

COMUNE DI BOLOGNA

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO
Via Zacconi, Bologna



PROGETTO ESECUTIVO

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oggetto:	U.S. 01 - BLOCCO AULE TABULATO DI CALCOLO	tavola n°: ST-R 03	
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PROGETTO STRUTTURE

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1 PREMESSA

La presente relazione, relativa all'unità strutturale U.S. 01 comprensiva di tre moduli, come individuata nell'immagine in seguito, riporta in forma integrale il tabulato di calcolo fornito dal codice di calcolo utilizzato per la modellazione delle opere strutturali (PROSAP della 2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara - Licenza dsi3083). Si rimanda, per quanto riguarda le informazioni generali alla base dei calcoli, alla sintesi dei risultati e al loro controllo, alle relazioni generali nonché a quelle specifiche per le singole unità strutturali.

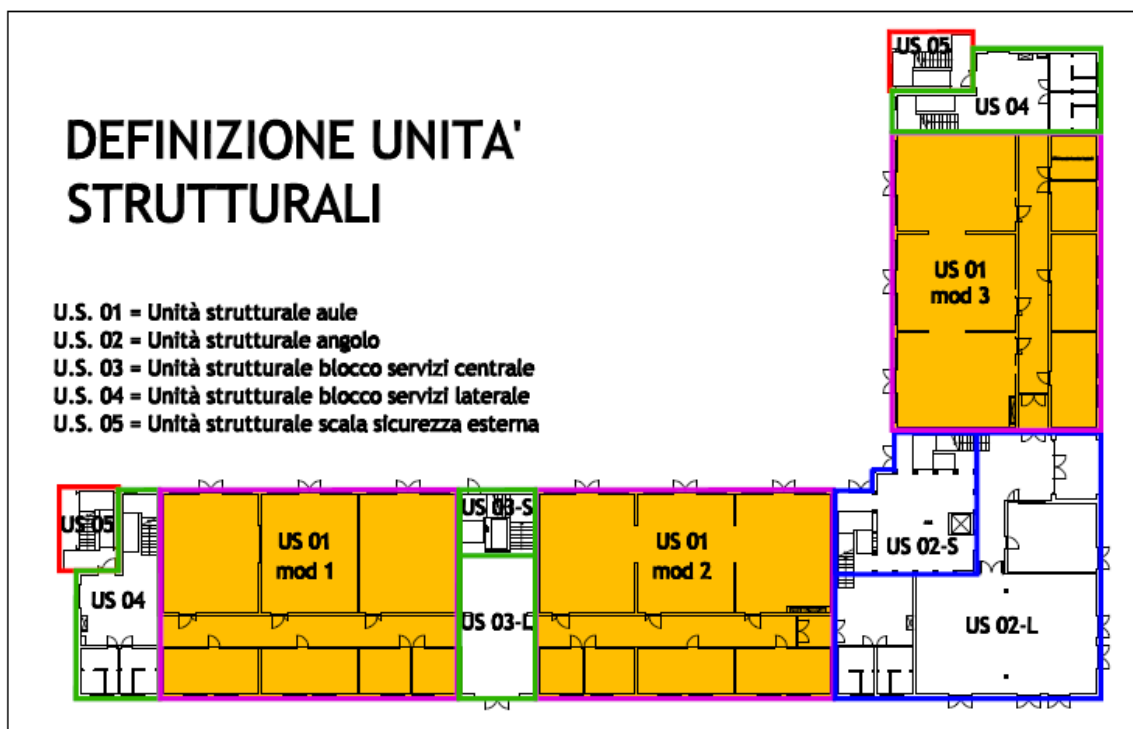


Figura 1: Definizione unità strutturali

2 TABULATO DI CALCOLO STRUTTURALE

2.1 DESCRIZIONE GENERALE DELL'OPERA

Descrizione generale dell'opera	
Fabbricato ad uso	
Ubicazione	Comune di BOLOGNA (BO) (Regione EMILIA-ROMAGNA)
	Località BOLOGNA (BO)
	Longitudine 11.340, Latitudine 44.498

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
III	50.0	1.5	75.0

2.2 QUADRO NORMATIVO DI RIFERIMENTO ADOTTATO

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.

Nel capitolo “normativa di riferimento” è comunque presente l’elenco completo delle normative disponibili.

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018
Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
Azione sismica	
Norma applicata per l’ azione sismica	D.M. 17-01-2018

2.3 AZIONI DI PROGETTO SULLA COSTRUZIONE

Nei capitoli “modellazione delle azioni” e “schematizzazione dei casi di carico” sono indicate le azioni sulla costruzioni.

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica*.

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L’analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L’analisi strutturale è condotta con il metodo dell’analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L’analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell’ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$$K * u = F$$

dove K = matrice di rigidezza
 u = vettore spostamenti nodali
 F = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

Elemento tipo TRUSS	(biella-D2)
Elemento tipo BEAM	(trave-D2)
Elemento tipo MEMBRANE	(membrana-D3)
Elemento tipo PLATE	(piastra-guscio-D3)
Elemento tipo BOUNDARY	(molla)
Elemento tipo STIFFNESS	(matrice di rigidezza)
Elemento tipo BRICK	(elemento solido)
Elemento tipo SOLAIO	(macro elemento composto da più membrane)

2.4 MODELLO NUMERICO

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità.

Tipo di analisi strutturale	
Carichi verticali	SI
Statica non lineare	NO
Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore PNO delta)	

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2018-07-183)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Codice Licenza:	Licenza dsi3083

Un attento esame preliminare della documentazione a corredo del software **ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico**. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

Affidabilità dei codici utilizzati

25.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.
E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link:
<http://www.2si.it/Software/Affidabilità.htm>

Modellazione della geometria e proprietà meccaniche:

nodi	5594
elementi D2 (per aste, travi, pilastri...)	510
elementi D3 (per pareti, platee, gusci...)	5068
elementi solaio	36
elementi solidi	0

Dimensione del modello strutturale [cm]:

X min =	-8.10
Xmax =	2315.90
Ymin =	-145.59
Ymax =	1774.41
Zmin =	-0.00
Zmax =	1060.00

Strutture verticali:

Elementi di tipo asta	NO
Pilastri	NO
Pareti	SI
Setti (a comportamento membranale)	NO

Strutture non verticali:

Elementi di tipo asta	NO
Travi	SI
Gusci	NO
Membrane	NO

Orizzontamenti:

Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	NO

Tipo di vincoli:

Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO

Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO
Modellazione della geometria e proprietà meccaniche:	
nodi	86
elementi D2 (per aste, travi, pilastri...)	144
elementi D3 (per pareti, platee, gusci...)	0
elementi solaio	18
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-120.00
Xmax =	300.00
Ymin =	-150.00
Ymax =	460.00
Zmin =	-80.00
Zmax =	920.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	NO
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	SI
Travi	SI
Gusci	NO
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	SI
Tipo di vincoli:	
Nodi vincolati rigidamente	SI
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

2.5 MODELLAZIONE DELLE AZIONI

Si veda il capitolo “Schematizzazione dei casi di carico” per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte “2.6. Azioni di progetto sulla costruzione”.

2.6 COMBINAZIONI E/O PERCORSI DI CARICO

Si veda il capitolo “Definizione delle combinazioni” in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	SI
SLD	SI
SLO	SI
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati

I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.

2.8.1. Risultati dell'analisi modale

Viene riportato il tipo di analisi modale condotta, restituiti i risultati della stessa e valutate le informazioni desumibili in merito al comportamento della struttura.

2.8.2. Deformate e sollecitazioni per condizioni di carico

Vengono riportati i principali risultati atti a descrivere il comportamento della struttura, in termini di stati di sollecitazione e di deformazione generalizzata, distinti per condizione elementare di carico o per combinazioni omogenee delle stesse.

2.8.3. Involuppo delle sollecitazioni maggiormente significative. L'analisi e la restituzione degli involuppi (nelle combinazioni considerate agli SLU e agli SLE) delle caratteristiche di sollecitazione devono essere finalizzate alla valutazione dello stato di sollecitazione nei diversi elementi della struttura.

2.8.4. Reazioni vincolari

Vengono riportate le reazioni dei vincoli nelle singole condizioni di carico e/o nelle combinazioni considerate.

2.8.5. Altri risultati significativi

La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:

per i dati in ingresso:

- modello solido della struttura
- numerazione di nodi e ed elementi
- configurazioni di carico statiche
- configurazioni di carico sismiche con baricentri delle masse e eccentricità

per le combinazioni più significative (statisticamente più gravose per la struttura):

- configurazioni deformate
- diagrammi e involuppi delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

- diagrammi di armatura
- percentuali di sfruttamento
- mappe delle verifiche più significative per i vari stati limite

Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni anormali. Si può pertanto asserire che l'elaborazione sia corretta e completa. I risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni.

2.7 VERIFICHE AGLI STATI LIMITE ULTIMI

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

2.8 VERIFICHE AGLI STATI LIMITE DI ESERCIZIO

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

2.9 RELAZIONE SUI MATERIALI

Il capitolo Materiali riporta informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.

3 NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare n.7 del C.S.LL.PP. del 21 gennaio 2019: "Istruzioni per l'applicazione dell'Aggiornamento delle Norme tecniche per le costruzioni di cui al decreto ministeriale 17 gennaio 2018".
3. D.Min. Infrastrutture Min. Interni e Prot. Civile 14 Gennaio 2008 e allegate "Norme tecniche per le costruzioni".
4. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
5. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
7. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
8. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
9. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
10. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
12. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
13. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
14. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
15. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
16. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
17. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
18. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.

19. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
20. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
21. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
22. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
23. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
24. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
25. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
26. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
27. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
28. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici.
29. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
30. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
31. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.
32. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
33. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
34. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
35. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

NOTA sul capitolo "normativa di riferimento": riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO". Laddove nei capitoli successivi vengano richiamate norme antecedenti al DM 17.01.08 è dovuto o a progettazione simulata di edificio esistente.

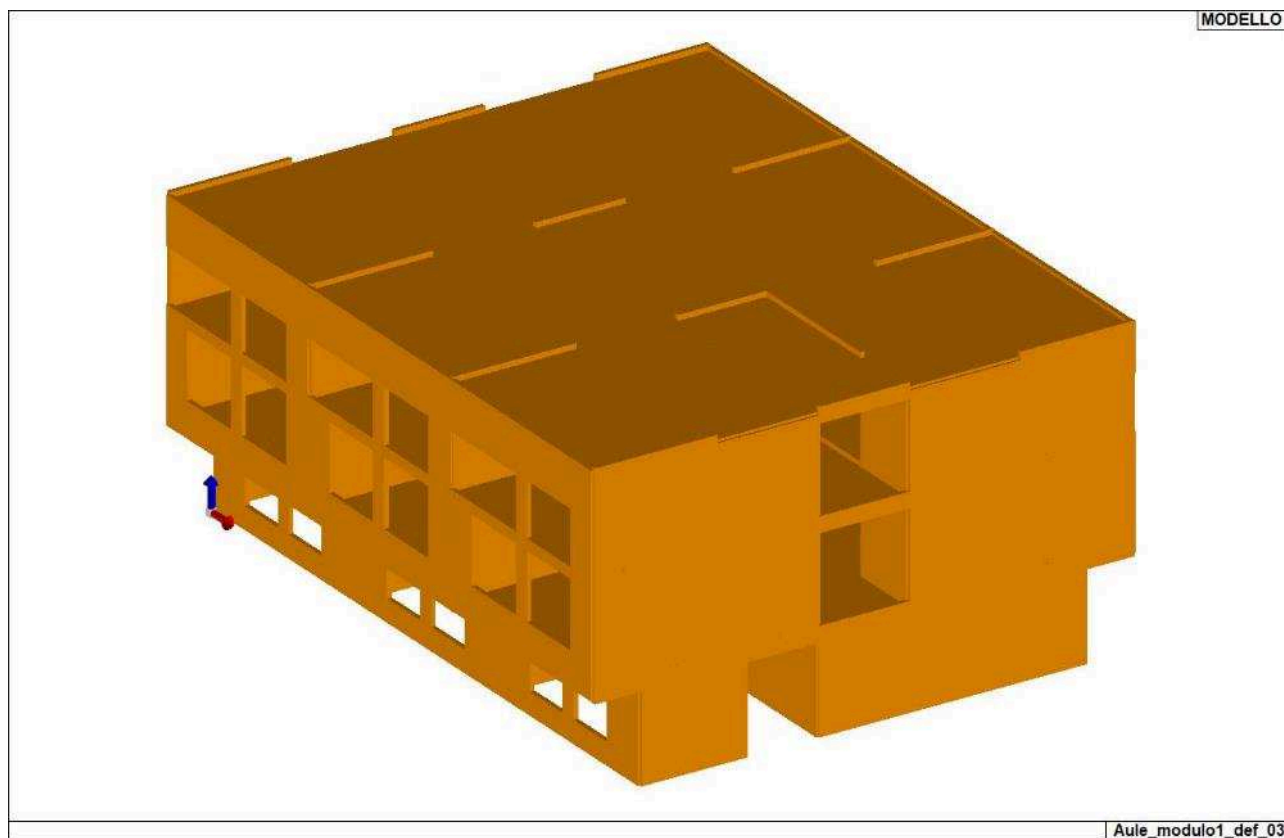


Figura 2: Vista solida

4 CARATTERISTICHE MATERIALI UTILIZZATI

4.1 LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale
Poisson	coefficiente di contrazione trasversale
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	cemento armato	Rck Fctm	resistenza caratteristica cubica resistenza media a trazione semplice
2	acciaio	Ft Fy Fd Fdt Sadm Sadmt	tensione di rottura a trazione tensione di snervamento resistenza di calcolo resistenza di calcolo per spess. $t > 40$ mm tensione ammissibile tensione ammissibile per spess. $t > 40$ mm
3	muratura	Resist. Fk Resist. Fvko	resistenza caratteristica a compressione resistenza caratteristica a taglio
4	legno	Resist. fc0k Resist. ft0k Resist. fmk Resist. fvk Modulo E0,05 Lamellare	Resistenza caratteristica (tensione amm. per REGLES) per compressione Resistenza caratteristica (tensione amm. per REGLES) per trazione Resistenza caratteristica (tensione amm. per REGLES) per flessione Resistenza caratteristica (tensione amm. per REGLES) per taglio Modulo elastico parallelo caratteristico lamellare o massiccio

Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Con riferimento al **Documento di Affidabilità** “Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST” - versione Maggio 2011, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Modellazione di strutture in c.a.

Test N°	Titolo
41	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
42	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
43	VERIFICA ALLE TA DI STRUTTURE IN C.A.
44	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
46	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
47	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
49	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
50	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
51	FATTORE DI STRUTTURA
52	SOVRARESISTENZE
53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
54	PARETI IN C.A. SNELLE IN ZONA SISMICA
80	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
120	PROGETTO E VERIFICA DI TRAVI PREM

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO - METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008
61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
74	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
75	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
76	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
77	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
78	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
79	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
85	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

Modellazione di strutture in muratura

Test N°	Titolo
81	ANALISI PUSHOVER DI UNA STRUTTURA IN MURATURA
84	ANALISI ELASTO PLASTICA INCREMENTALE, PARETE IN MURATURA
86	VERIFICA NON SISMICA DELLE MURATURE (D.M. 87 TA)
87	VERIFICA NON SISMICA DELLE MURATURE (D.M. 2005 SL)
88	FATTORE DI STRUTTURA

Modellazione di strutture in legno

Test N°	Titolo
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
89	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
90	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
91	FATTORE DI STRUTTURA
92	VERIFICHE EC5
93	SNELLEZZE EC5
94	VERIFICA AL FUOCO DI STRUTTURE IN LEGNO SECONDO EC5
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		kN/ m2	kN/ m2		kN/ m2	kN/ m3	
62	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)		8.250e+06	0.0	1.725e+05	5.0	0.0
	Modulo E0,05		8.250e+06				
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi						
	Resist. fc0k	100.0					
	Resist. ft0k	100.0					
	Resist. fmk	100.0					
	Resist. fvk	100.0					
64	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)		8.250e+06	0.0	1.725e+05	5.0	1.00e-05
	Modulo E0,05		8.250e+06				
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi						
	Resist. fc0k	100.0					
	Resist. ft0k	100.0					
	Resist. fmk	100.0					
	Resist. fvk	100.0					
78	Legno lamellare omogeneo GL32h E = 1.420e+05-legno E = 1.420e+05		1.420e+07	0.0	6.500e+05	4.9	0.0
	Modulo E0,05		1.180e+07				
	LamellareMateriale non massiccio e pertanto da considerare come lamellareSi						
	Resist. fc0k	3.200e+04					
	Resist. ft0k	2.560e+04					
	Resist. fmk	3.200e+04					
	Resist. fvk	3500.0					

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
aste						
Beta assegnato	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80		
travi						
3-3 Beta * LSi automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si		
3-3 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
3-3 Beta * L0.0 assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
2-2 Beta * LSi automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si		
2-2 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
2-2 Beta * L0.0 assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
1-1 Beta * LSi automatico	Si	Si	Si	Si	Si	Si
	Si	Si	Si	Si		
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
1-1 Beta * L0.0 assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
pilastr						
Metodo di calcolo 3-3	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato	Assegnato		
3-3 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00		
3-3 Beta * L0.0 assegnato [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Metodo di calcolo 2-2	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato	Assegnato
	Assegnato	Assegnato	Assegnato	Assegnato		
2-2 Beta assegnato	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00		
2-2 Beta * L0.0 assegnato	0.0	0.0	0.0	0.0	0.0	0.0

Legno	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
assegnato [cm]						
	0.0	0.0	0.0	0.0		
1-1 Beta assegnato	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
1-1 Beta * L	0.0	0.0	0.0	0.0	0.0	0.0
assegnato [cm]						
	0.0	0.0	0.0	0.0		
Generalità						
Gamma non sismico	1.45	1.45	1.45	1.45	1.45	1.45
	1.45	1.45	1.45	1.45		
Gamma sismico	1.45	1.45	1.45	1.45	1.45	1.45
	1.45	1.45	1.45	1.45		
Fattore di confidenza FC	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Classificazione						
Classe di servizio	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)
	2 (media umidità)	2 (media umidità)	2 (media umidità)	2 (media umidità)		
Per classe di servizio 1						
Kmod permanente	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60	0.60		
Kmod lunga	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70	0.70		
Kmod media	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80		
Kmod breve	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90	0.90		
Kmod istantanea	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
Kdef	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60	0.60		
Per classe di servizio 2						
Kmod permanente	0.60	0.60	0.60	0.60	0.60	0.60
	0.60	0.60	0.60	0.60		
Kmod lunga	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70	0.70		
Kmod media	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80		
Kmod breve	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90	0.90		
Kmod istantanea	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
Kdef	0.80	0.80	0.80	0.80	0.80	0.80
	0.80	0.80	0.80	0.80		
Per classe di servizio 3						
Kmod permanente	0.50	0.50	0.50	0.50	0.50	0.50
	0.50	0.50	0.50	0.50		
Kmod lunga	0.55	0.55	0.55	0.55	0.55	0.55
	0.55	0.55	0.55	0.55		
Kmod media	0.65	0.65	0.65	0.65	0.65	0.65
	0.65	0.65	0.65	0.65		
Kmod breve	0.70	0.70	0.70	0.70	0.70	0.70
	0.70	0.70	0.70	0.70		
Kmod istantanea	0.90	0.90	0.90	0.90	0.90	0.90
	0.90	0.90	0.90	0.90		
Kdef	2.00	2.00	2.00	2.00	2.00	2.00
	2.00	2.00	2.00	2.00		

XLAM	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
L direzione 1 [*] [cm]	1.00	1.00	1.00	1.00	1.00	1.00
	1.00	1.00	1.00	1.00		
L direzione 2 [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Verifica V da D.38	No	No	No	No	No	No
	No	No	No	No		
Verifica M da M.5-45	No	No	No	No	No	No
	No	No	No	No		
Media valori elementi	Si	Si	Si	Si	Si	Si

XLAM	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Conessioni pareti	Si	Si	Si	Si		
rvpk [kN/ m]	120.00	120.00	60.00	30.00	60.00	30.00
	60.00	60.00	60.00	30.00		
rvtk [kN/ m]	120.00	120.00	60.00	30.00	60.00	30.00
	60.00	60.00	60.00	30.00		
rvlk [kN/ m]	80.00	80.00	80.00	80.00	50.00	50.00
	80.00	50.00	50.00	50.00		
RHk [kN]	190.60	95.29	190.60	95.29	53.52	53.52
	95.29	31.00	62.00	62.00		
dH [cm]	10.00	10.00	10.00	10.00	10.00	10.00
	10.00	10.00	10.00	10.00		
fCH90k [kN/ m2]	15750.00	15750.00	15750.00	15750.00	15750.00	15750.00
	15750.00	15750.00	15750.00	15750.00		
Pannelli solaio						
f ist<L/	500.00	500.00	500.00	500.00	500.00	500.00
	500.00	500.00	500.00	500.00		
f inf<L/	350.00	350.00	350.00	350.00	350.00	350.00
	350.00	350.00	350.00	350.00		
Verifica vibrazioni (EC5 7.3)	No	No	No	No	No	No
	No	No	No	No		
E massetto collaborante [kN/ m2]	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07	2.000e+07
	2.000e+07	2.000e+07	2.000e+07	2.000e+07		
t massetto collaborante [cm]	4.00	4.00	4.00	4.00	4.00	4.00
	4.00	4.00	4.00	4.00		
Smorzamento percentuale	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
Resistenza al fuoco						
Spessore carbonizzazione [cm]	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0		
3- intradosso	No	No	No	No	No	No
	No	No	No	No		
3+ estradosso	No	No	No	No	No	No
	No	No	No	No		

5 MODELLAZIONE DELLE SEZIONI

5.1 LEGENDA TABELLA DATI SEZIONI

Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

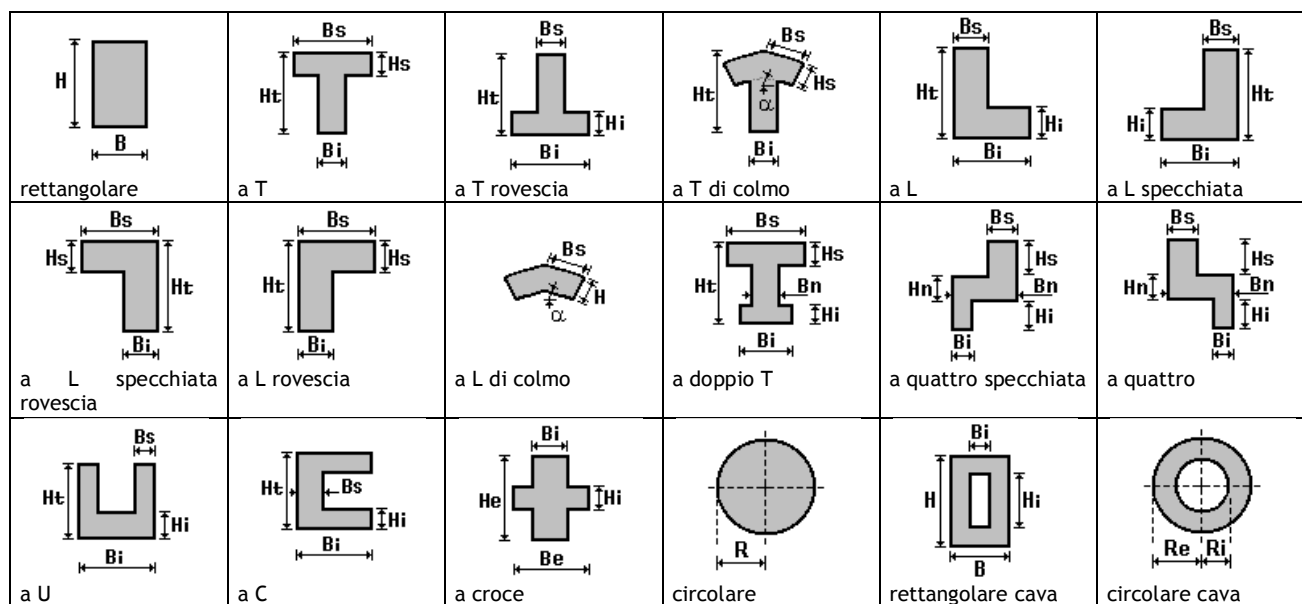
1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità

per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.



Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilati.

Per quanto concerne le sezioni di tipo generico (tipo 1.):

i valori dimensionali con prefisso B sono riferiti all'asse 2

i valori dimensionali con prefisso H sono riferiti all'asse 3

Con riferimento al Documento di Affidabilità "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST" - versione Settembre 2014, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
1	CARATTERISTICHE GEOMETRICHE E INERZIALI
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
104	ANALISI DI RESISTENZA AL FUOCO

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	solaio legno 22 cm Rettangolare: b=100 h=22	2200.00	1833.33	1833.33	3.057e+05	1.833e+06	8.873e+04	3.667e+04	8066.67	5.500e+04	1.210e+04
2	trave sbalzo-Rettangolare: b=16 h=56	896.00	746.67	746.67	6.270e+04	1.911e+04	2.342e+05	2389.33	8362.67	3584.00	1.254e+04
3	trave sbalzi 16x40 Rettangolare: b=16 h=40	640.00	533.33	533.33	4.085e+04	1.365e+04	8.533e+04	1706.67	4266.67	2560.00	6400.00
4	solaio legno 18 cm Rettangolare: b=100 h=18	1800.00	1500.00	1500.00	1.724e+05	1.500e+06	4.860e+04	3.000e+04	5400.00	4.500e+04	8100.00

6 MODELLAZIONE STRUTTURA: NODI

6.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidità dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

6.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
2	763.9	653.9	52.5	3	706.6	653.9	52.5	5	763.9	653.9	105.0
6	706.6	653.9	105.0	7	763.9	653.9	157.5	8	706.6	653.9	157.5
9	763.9	653.9	210.0	10	706.6	653.9	210.0	11	649.2	653.9	52.5
13	649.2	653.9	105.0	14	649.2	653.9	157.5	15	649.2	653.9	210.0
16	591.9	653.9	52.5	18	591.9	653.9	105.0	19	591.9	653.9	157.5
20	591.9	653.9	210.0	21	534.6	653.9	52.5	23	534.6	653.9	105.0
24	534.6	653.9	157.5	25	534.6	653.9	210.0	26	477.2	653.9	52.5
28	477.2	653.9	105.0	29	477.2	653.9	157.5	30	477.2	653.9	210.0
31	419.9	653.9	52.5	33	419.9	653.9	105.0	34	419.9	653.9	157.5
35	419.9	653.9	210.0	36	362.6	653.9	52.5	38	362.6	653.9	105.0
39	362.6	653.9	157.5	40	362.6	653.9	210.0	41	305.2	653.9	52.5
43	305.2	653.9	105.0	44	305.2	653.9	157.5	45	305.2	653.9	210.0
46	247.9	653.9	52.5	48	247.9	653.9	105.0	49	247.9	653.9	157.5
50	247.9	653.9	210.0	51	763.9	653.9	253.3	52	706.6	653.9	253.3
53	763.9	653.9	296.7	54	706.6	653.9	296.7	55	763.9	653.9	340.0
56	706.6	653.9	340.0	57	649.2	653.9	253.3	58	649.2	653.9	296.7
59	649.2	653.9	340.0	60	591.9	653.9	253.3	61	591.9	653.9	296.7
62	591.9	653.9	340.0	63	534.6	653.9	253.3	64	534.6	653.9	296.7
65	534.6	653.9	340.0	66	477.2	653.9	253.3	67	477.2	653.9	296.7
68	477.2	653.9	340.0	69	419.9	653.9	253.3	70	419.9	653.9	296.7
71	419.9	653.9	340.0	72	362.6	653.9	253.3	73	362.6	653.9	296.7
74	362.6	653.9	340.0	75	305.2	653.9	253.3	76	305.2	653.9	296.7
77	305.2	653.9	340.0	78	247.9	653.9	253.3	79	247.9	653.9	296.7
80	247.9	653.9	340.0	82	117.9	653.9	52.5	83	75.9	653.9	52.5
85	117.9	653.9	105.0	86	75.9	653.9	105.0	87	117.9	653.9	157.5
88	75.9	653.9	157.5	89	117.9	653.9	210.0	90	75.9	653.9	210.0
91	33.9	653.9	52.5	93	33.9	653.9	105.0	94	33.9	653.9	157.5
95	33.9	653.9	210.0	96	-8.1	653.9	52.5	98	-8.1	653.9	105.0

99	-8.1	653.9	157.5	100	-8.1	653.9	210.0	101	117.9	653.9	253.3
102	75.9	653.9	253.3	103	117.9	653.9	296.7	104	75.9	653.9	296.7
105	117.9	653.9	340.0	106	75.9	653.9	340.0	107	33.9	653.9	253.3
108	33.9	653.9	296.7	109	33.9	653.9	340.0	110	-8.1	653.9	253.3
111	-8.1	653.9	296.7	112	-8.1	653.9	340.0	113	204.6	653.9	253.3
114	204.6	653.9	210.0	115	204.6	653.9	296.7	116	204.6	653.9	340.0
117	161.2	653.9	253.3	118	161.2	653.9	210.0	119	161.2	653.9	296.7
120	161.2	653.9	340.0	122	-8.1	1607.7	52.5	123	-8.1	1548.1	52.5
125	-8.1	1607.7	105.0	126	-8.1	1548.1	105.0	127	-8.1	1607.7	157.5
128	-8.1	1548.1	157.5	129	-8.1	1607.7	210.0	130	-8.1	1548.1	210.0
131	-8.1	1488.5	52.5	133	-8.1	1488.5	105.0	134	-8.1	1488.5	157.5
135	-8.1	1488.5	210.0	136	-8.1	1428.9	52.5	138	-8.1	1428.9	105.0
139	-8.1	1428.9	157.5	140	-8.1	1428.9	210.0	141	-8.1	1369.3	52.5
143	-8.1	1369.3	105.0	144	-8.1	1369.3	157.5	145	-8.1	1369.3	210.0
146	-8.1	1309.6	52.5	148	-8.1	1309.6	105.0	149	-8.1	1309.6	157.5
150	-8.1	1309.6	210.0	151	-8.1	1250.0	52.5	153	-8.1	1250.0	105.0
154	-8.1	1250.0	157.5	155	-8.1	1250.0	210.0	156	-8.1	1190.4	52.5
158	-8.1	1190.4	105.0	159	-8.1	1190.4	157.5	160	-8.1	1190.4	210.0
161	-8.1	1130.8	52.5	163	-8.1	1130.8	105.0	164	-8.1	1130.8	157.5
165	-8.1	1130.8	210.0	166	-8.1	1071.2	52.5	168	-8.1	1071.2	105.0
169	-8.1	1071.2	157.5	170	-8.1	1071.2	210.0	171	-8.1	1011.6	52.5
173	-8.1	1011.6	105.0	174	-8.1	1011.6	157.5	175	-8.1	1011.6	210.0
176	-8.1	952.0	52.5	178	-8.1	952.0	105.0	179	-8.1	952.0	157.5
180	-8.1	952.0	210.0	181	-8.1	892.4	52.5	183	-8.1	892.4	105.0
184	-8.1	892.4	157.5	185	-8.1	892.4	210.0	186	-8.1	832.7	52.5
188	-8.1	832.7	105.0	189	-8.1	832.7	157.5	190	-8.1	832.7	210.0
191	-8.1	773.1	52.5	193	-8.1	773.1	105.0	194	-8.1	773.1	157.5
195	-8.1	773.1	210.0	196	-8.1	713.5	52.5	198	-8.1	713.5	105.0
199	-8.1	713.5	157.5	200	-8.1	713.5	210.0	201	-8.1	1607.7	253.3
202	-8.1	1548.1	253.3	203	-8.1	1607.7	296.7	204	-8.1	1548.1	296.7
205	-8.1	1607.7	340.0	206	-8.1	1548.1	340.0	207	-8.1	1488.5	253.3
208	-8.1	1488.5	296.7	209	-8.1	1488.5	340.0	210	-8.1	1428.9	253.3
211	-8.1	1428.9	296.7	212	-8.1	1428.9	340.0	213	-8.1	1369.3	253.3
214	-8.1	1369.3	296.7	215	-8.1	1369.3	340.0	216	-8.1	1309.6	253.3
217	-8.1	1309.6	296.7	218	-8.1	1309.6	340.0	219	-8.1	1250.0	253.3
220	-8.1	1250.0	296.7	221	-8.1	1250.0	340.0	222	-8.1	1190.4	253.3
223	-8.1	1190.4	296.7	224	-8.1	1190.4	340.0	225	-8.1	1130.8	253.3
226	-8.1	1130.8	296.7	227	-8.1	1130.8	340.0	228	-8.1	1071.2	253.3
229	-8.1	1071.2	296.7	230	-8.1	1071.2	340.0	231	-8.1	1011.6	253.3
232	-8.1	1011.6	296.7	233	-8.1	1011.6	340.0	234	-8.1	952.0	253.3
235	-8.1	952.0	296.7	236	-8.1	952.0	340.0	237	-8.1	892.4	253.3
238	-8.1	892.4	296.7	239	-8.1	892.4	340.0	240	-8.1	832.7	253.3
241	-8.1	832.7	296.7	242	-8.1	832.7	340.0	243	-8.1	773.1	253.3
244	-8.1	773.1	296.7	245	-8.1	773.1	340.0	246	-8.1	713.5	253.3
247	-8.1	713.5	296.7	248	-8.1	713.5	340.0	249	1843.9	1774.4	445.0
250	1243.9	-145.6	392.5	251	1303.9	-145.6	340.0	252	1303.9	-145.6	392.5
253	1363.9	-145.6	340.0	254	1363.9	-145.6	392.5	255	1243.9	-145.6	445.0
256	1363.9	-145.6	910.0	258	703.9	1607.7	52.5	259	763.9	1607.7	52.5
261	703.9	1607.7	105.0	262	763.9	1607.7	105.0	263	703.9	1607.7	157.5
264	763.9	1607.7	157.5	265	703.9	1607.7	210.0	266	763.9	1607.7	210.0
267	823.9	1607.7	52.5	269	823.9	1607.7	105.0	270	823.9	1607.7	157.5
271	823.9	1607.7	210.0	272	703.9	1607.7	253.3	273	763.9	1607.7	253.3
274	703.9	1607.7	296.7	275	763.9	1607.7	296.7	276	703.9	1607.7	340.0
277	763.9	1607.7	340.0	278	823.9	1607.7	253.3	279	823.9	1607.7	296.7
280	823.9	1607.7	340.0	282	1483.9	1607.7	52.5	283	1543.9	1607.7	52.5
285	1483.9	1607.7	105.0	286	1543.9	1607.7	105.0	287	1483.9	1607.7	157.5
288	1543.9	1607.7	157.5	289	1483.9	1607.7	210.0	290	1543.9	1607.7	210.0
291	1603.9	1607.7	52.5	293	1603.9	1607.7	105.0	294	1603.9	1607.7	157.5
295	1603.9	1607.7	210.0	296	1483.9	1607.7	253.3	297	1543.9	1607.7	253.3
298	1483.9	1607.7	296.7	299	1543.9	1607.7	296.7	300	1483.9	1607.7	340.0
301	1543.9	1607.7	340.0	302	1603.9	1607.7	253.3	303	1603.9	1607.7	296.7
304	1603.9	1607.7	340.0	305	1843.9	1774.4	392.5	306	1843.9	1774.4	340.0
307	2315.9	1607.7	52.5	309	1783.9	1774.4	392.5	310	2315.9	1607.7	105.0
311	1783.9	1774.4	340.0	312	2315.9	1607.7	157.5	313	1723.9	1774.4	392.5
314	2315.9	1607.7	210.0	315	1723.9	1774.4	340.0	316	2315.9	1607.7	253.3
317	1243.9	-145.6	340.0	318	2315.9	1607.7	296.7	319	2263.9	1607.7	340.0
320	2315.9	1607.7	340.0	321	763.9	1558.1	52.5	323	763.9	1558.1	105.0
324	763.9	1558.1	157.5	325	763.9	1558.1	210.0	326	763.9	1508.5	52.5
328	763.9	1508.5	105.0	329	763.9	1508.5	157.5	330	763.9	1508.5	210.0
331	763.9	1458.9	52.5	333	763.9	1458.9	105.0	334	763.9	1458.9	157.5
335	763.9	1458.9	210.0	336	763.9	1409.3	52.5	338	763.9	1409.3	105.0
339	763.9	1409.3	157.5	340	763.9	1409.3	210.0	341	763.9	1359.7	52.5
343	763.9	1359.7	105.0	344	763.9	1359.7	157.5	345	763.9	1359.7	210.0
346	763.9	1558.1	253.3	347	763.9	1558.1	296.7	348	763.9	1558.1	340.0
349	763.9	1508.5	253.3	350	763.9	1508.5	296.7	351	763.9	1508.5	340.0

352	763.9	1458.9	253.3	353	763.9	1458.9	296.7	354	763.9	1458.9	340.0
355	763.9	1409.3	253.3	356	763.9	1409.3	296.7	357	763.9	1409.3	340.0
358	763.9	1359.7	253.3	359	763.9	1359.7	296.7	360	763.9	1359.7	340.0
362	763.9	1021.9	52.5	363	763.9	974.4	52.5	365	763.9	1021.9	105.0
366	763.9	974.4	105.0	367	763.9	1021.9	157.5	368	763.9	974.4	157.5
369	763.9	1021.9	210.0	370	763.9	974.4	210.0	371	763.9	916.8	52.5
373	763.9	916.8	105.0	374	763.9	916.8	157.5	375	763.9	916.8	210.0
376	763.9	864.2	52.5	378	763.9	864.2	105.0	379	763.9	864.2	157.5
380	763.9	864.2	210.0	381	763.9	811.6	52.5	383	763.9	811.6	105.0
384	763.9	811.6	157.5	385	763.9	811.6	210.0	386	763.9	759.1	52.5
388	763.9	759.1	105.0	389	763.9	759.1	157.5	390	763.9	759.1	210.0
391	763.9	706.5	52.5	393	763.9	706.5	105.0	394	763.9	706.5	157.5
395	763.9	706.5	210.0	396	763.9	1021.9	253.3	397	763.9	974.4	253.3
398	763.9	1021.9	296.7	399	763.9	974.4	296.7	400	763.9	1021.9	340.0
401	763.9	974.4	340.0	402	763.9	916.8	253.3	403	763.9	916.8	296.7
404	763.9	916.8	340.0	405	763.9	864.2	253.3	406	763.9	864.2	296.7
407	763.9	864.2	340.0	408	763.9	811.6	253.3	409	763.9	811.6	296.7
410	763.9	811.6	340.0	411	763.9	759.1	253.3	412	763.9	759.1	296.7
413	763.9	759.1	340.0	414	763.9	706.5	253.3	415	763.9	706.5	296.7
416	763.9	706.5	340.0	417	1543.9	1558.1	52.5	419	1543.9	1558.1	105.0
420	1543.9	1558.1	157.5	421	1543.9	1558.1	210.0	422	1543.9	1508.5	52.5
424	1543.9	1508.5	105.0	425	1543.9	1508.5	157.5	426	1543.9	1508.5	210.0
427	1543.9	1458.9	52.5	429	1543.9	1458.9	105.0	430	1543.9	1458.9	157.5
431	1543.9	1458.9	210.0	432	1543.9	1409.3	52.5	434	1543.9	1409.3	105.0
435	1543.9	1409.3	157.5	436	1543.9	1409.3	210.0	437	1543.9	1359.7	52.5
439	1543.9	1359.7	105.0	440	1543.9	1359.7	157.5	441	1543.9	1359.7	210.0
442	1543.9	1558.1	253.3	443	1543.9	1558.1	296.7	444	1543.9	1558.1	340.0
445	1543.9	1508.5	253.3	446	1543.9	1508.5	296.7	447	1543.9	1508.5	340.0
448	1543.9	1458.9	253.3	449	1543.9	1458.9	296.7	450	1543.9	1458.9	340.0
451	1543.9	1409.3	253.3	452	1543.9	1409.3	296.7	453	1543.9	1409.3	340.0
454	1543.9	1359.7	253.3	455	1543.9	1359.7	296.7	456	1543.9	1359.7	340.0
458	1543.9	1021.9	52.5	459	1543.9	974.4	52.5	461	1543.9	1021.9	105.0
462	1543.9	974.4	105.0	463	1543.9	1021.9	157.5	464	1543.9	974.4	157.5
465	1543.9	1021.9	210.0	466	1543.9	974.4	210.0	467	1543.9	916.8	52.5
469	1543.9	916.8	105.0	470	1543.9	916.8	157.5	471	1543.9	916.8	210.0
472	1543.9	864.2	52.5	474	1543.9	864.2	105.0	475	1543.9	864.2	157.5
476	1543.9	864.2	210.0	477	1543.9	811.6	52.5	479	1543.9	811.6	105.0
480	1543.9	811.6	157.5	481	1543.9	811.6	210.0	482	1543.9	759.1	52.5
484	1543.9	759.1	105.0	485	1543.9	759.1	157.5	486	1543.9	759.1	210.0
487	1543.9	706.5	52.5	489	1543.9	706.5	105.0	490	1543.9	706.5	157.5
491	1543.9	706.5	210.0	492	1543.9	653.9	52.5	494	1543.9	653.9	105.0
495	1543.9	653.9	157.5	496	1543.9	653.9	210.0	497	1543.9	1021.9	253.3
498	1543.9	974.4	253.3	499	1543.9	1021.9	296.7	500	1543.9	974.4	296.7
501	1543.9	1021.9	340.0	502	1543.9	974.4	340.0	503	1543.9	916.8	253.3
504	1543.9	916.8	296.7	505	1543.9	916.8	340.0	506	1543.9	864.2	253.3
507	1543.9	864.2	296.7	508	1543.9	864.2	340.0	509	1543.9	811.6	253.3
510	1543.9	811.6	296.7	511	1543.9	811.6	340.0	512	1543.9	759.1	253.3
513	1543.9	759.1	296.7	514	1543.9	759.1	340.0	515	1543.9	706.5	253.3
516	1543.9	706.5	296.7	517	1543.9	706.5	340.0	518	1543.9	653.9	253.3
519	1543.9	653.9	296.7	520	1543.9	653.9	340.0	521	2315.9	1548.1	52.5
523	2315.9	1548.1	105.0	524	2315.9	1548.1	157.5	525	2315.9	1548.1	210.0
526	2315.9	1488.5	52.5	528	2315.9	1488.5	105.0	529	2315.9	1488.5	157.5
530	2315.9	1488.5	210.0	531	2315.9	1428.9	52.5	533	2315.9	1428.9	105.0
534	2315.9	1428.9	157.5	535	2315.9	1428.9	210.0	536	2315.9	1369.3	52.5
538	2315.9	1369.3	105.0	539	2315.9	1369.3	157.5	540	2315.9	1369.3	210.0
541	2315.9	1309.6	52.5	543	2315.9	1309.6	105.0	544	2315.9	1309.6	157.5
545	2315.9	1309.6	210.0	546	2315.9	1250.0	52.5	548	2315.9	1250.0	105.0
549	2315.9	1250.0	157.5	550	2315.9	1250.0	210.0	551	2315.9	1190.4	52.5
553	2315.9	1190.4	105.0	554	2315.9	1190.4	157.5	555	2315.9	1190.4	210.0
556	2315.9	1130.8	52.5	558	2315.9	1130.8	105.0	559	2315.9	1130.8	157.5
560	2315.9	1130.8	210.0	561	2315.9	1071.2	52.5	563	2315.9	1071.2	105.0
564	2315.9	1071.2	157.5	565	2315.9	1071.2	210.0	566	2315.9	1011.6	52.5
568	2315.9	1011.6	105.0	569	2315.9	1011.6	157.5	570	2315.9	1011.6	210.0
571	2315.9	952.0	52.5	573	2315.9	952.0	105.0	574	2315.9	952.0	157.5
575	2315.9	952.0	210.0	576	2315.9	892.4	52.5	578	2315.9	892.4	105.0
579	2315.9	892.4	157.5	580	2315.9	892.4	210.0	581	2315.9	832.7	52.5
583	2315.9	832.7	105.0	584	2315.9	832.7	157.5	585	2315.9	832.7	210.0
586	2315.9	773.1	52.5	588	2315.9	773.1	105.0	589	2315.9	773.1	157.5
590	2315.9	773.1	210.0	591	2315.9	713.5	52.5	593	2315.9	713.5	105.0
594	2315.9	713.5	157.5	595	2315.9	713.5	210.0	596	2315.9	653.9	52.5
598	2315.9	653.9	105.0	599	2315.9	653.9	157.5	600	2315.9	653.9	210.0
601	2315.9	1548.1	253.3	602	2315.9	1548.1	296.7	603	2315.9	1548.1	340.0
604	2315.9	1488.5	253.3	605	2315.9	1488.5	296.7	606	2315.9	1488.5	340.0
607	2315.9	1428.9	253.3	608	2315.9	1428.9	296.7	609	2315.9	1428.9	340.0
610	2315.9	1369.3	253.3	611	2315.9	1369.3	296.7	612	2315.9	1369.3	340.0

613	2315.9	1309.6	253.3	614	2315.9	1309.6	296.7	615	2315.9	1309.6	340.0
616	2315.9	1250.0	253.3	617	2315.9	1250.0	296.7	618	2315.9	1250.0	340.0
619	2315.9	1190.4	253.3	620	2315.9	1190.4	296.7	621	2315.9	1190.4	340.0
622	2315.9	1130.8	253.3	623	2315.9	1130.8	296.7	624	2315.9	1130.8	340.0
625	2315.9	1071.2	253.3	626	2315.9	1071.2	296.7	627	2315.9	1071.2	340.0
628	2315.9	1011.6	253.3	629	2315.9	1011.6	296.7	630	2315.9	1011.6	340.0
631	2315.9	952.0	253.3	632	2315.9	952.0	296.7	633	2315.9	952.0	340.0
634	2315.9	892.4	253.3	635	2315.9	892.4	296.7	636	2315.9	892.4	340.0
637	2315.9	832.7	253.3	638	2315.9	832.7	296.7	639	2315.9	832.7	340.0
640	2315.9	773.1	253.3	641	2315.9	773.1	296.7	642	2315.9	773.1	340.0
643	2315.9	713.5	253.3	644	2315.9	713.5	296.7	645	2315.9	713.5	340.0
646	2315.9	653.9	253.3	647	2315.9	653.9	296.7	648	2315.9	653.9	340.0
649	-8.1	21.4	40.0	650	49.2	21.4	40.0	652	-8.1	21.4	80.0
653	49.2	21.4	80.0	654	-8.1	21.4	120.0	655	49.2	21.4	120.0
656	106.6	21.4	40.0	658	106.6	21.4	80.0	659	106.6	21.4	120.0
660	163.9	21.4	40.0	662	163.9	21.4	80.0	663	163.9	21.4	120.0
664	-8.1	21.4	165.0	666	49.2	21.4	165.0	667	49.2	21.4	210.0
668	-8.1	21.4	210.0	669	106.6	21.4	165.0	670	106.6	21.4	210.0
671	163.9	21.4	165.0	672	163.9	21.4	210.0	673	49.2	21.4	253.3
674	49.2	21.4	296.7	675	49.2	21.4	340.0	676	106.6	21.4	253.3
677	106.6	21.4	296.7	678	106.6	21.4	340.0	679	163.9	21.4	253.3
680	163.9	21.4	296.7	681	163.9	21.4	340.0	683	343.9	21.4	40.0
684	403.9	21.4	40.0	686	343.9	21.4	80.0	687	-8.1	21.4	253.3
688	-8.1	21.4	296.7	689	-8.1	21.4	340.0	690	403.9	21.4	80.0
691	343.9	21.4	120.0	692	403.9	21.4	120.0	693	2315.9	499.7	752.5
694	2315.9	499.7	805.0	695	2315.9	499.7	857.5	696	2315.9	499.7	910.0
697	343.9	21.4	165.0	698	403.9	21.4	165.0	699	343.9	21.4	210.0
700	403.9	21.4	210.0	701	2315.9	551.1	752.5	702	2315.9	551.1	805.0
703	343.9	21.4	253.3	704	403.9	21.4	253.3	705	343.9	21.4	296.7
706	403.9	21.4	296.7	707	343.9	21.4	340.0	708	373.9	21.4	340.0
709	2315.9	551.1	857.5	710	2315.9	551.1	910.0	711	403.9	21.4	340.0
712	223.9	21.4	40.0	713	2260.6	653.9	52.5	715	2260.6	653.9	105.0
716	2260.6	653.9	157.5	717	2260.6	653.9	210.0	718	2205.4	653.9	52.5
720	2205.4	653.9	105.0	721	2205.4	653.9	157.5	722	2205.4	653.9	210.0
723	2150.1	653.9	52.5	725	2150.1	653.9	105.0	726	2150.1	653.9	157.5
727	2150.1	653.9	210.0	728	2094.8	653.9	52.5	730	2094.8	653.9	105.0
731	2094.8	653.9	157.5	732	2094.8	653.9	210.0	733	2039.5	653.9	52.5
735	2039.5	653.9	105.0	736	2039.5	653.9	157.5	737	2039.5	653.9	210.0
738	1984.3	653.9	52.5	740	1984.3	653.9	105.0	741	1984.3	653.9	157.5
742	1984.3	653.9	210.0	743	1929.0	653.9	52.5	745	1929.0	653.9	105.0
746	1929.0	653.9	157.5	747	1929.0	653.9	210.0	748	1873.7	653.9	52.5
750	1873.7	653.9	105.0	751	1873.7	653.9	157.5	752	1873.7	653.9	210.0
753	1818.4	653.9	52.5	755	1818.4	653.9	105.0	756	1818.4	653.9	157.5
757	1818.4	653.9	210.0	758	1763.2	653.9	52.5	760	1763.2	653.9	105.0
761	1763.2	653.9	157.5	762	1763.2	653.9	210.0	763	1707.9	653.9	52.5
765	1707.9	653.9	105.0	766	1707.9	653.9	157.5	767	1707.9	653.9	210.0
768	2260.6	653.9	253.3	769	2260.6	653.9	296.7	770	2260.6	653.9	340.0
771	2205.4	653.9	253.3	772	2205.4	653.9	296.7	773	2205.4	653.9	340.0
774	2150.1	653.9	253.3	775	2150.1	653.9	296.7	776	2150.1	653.9	340.0
777	2094.8	653.9	253.3	778	2094.8	653.9	296.7	779	2094.8	653.9	340.0
780	2039.5	653.9	253.3	781	2039.5	653.9	296.7	782	2039.5	653.9	340.0
783	1984.3	653.9	253.3	784	1984.3	653.9	296.7	785	1984.3	653.9	340.0
786	1929.0	653.9	253.3	787	1929.0	653.9	296.7	788	1929.0	653.9	340.0
789	1873.7	653.9	253.3	790	1873.7	653.9	296.7	791	1873.7	653.9	340.0
792	1818.4	653.9	253.3	793	1818.4	653.9	296.7	794	1818.4	653.9	340.0
795	1763.2	653.9	253.3	796	1763.2	653.9	296.7	797	1763.2	653.9	340.0
798	1707.9	653.9	253.3	799	1707.9	653.9	296.7	800	1707.9	653.9	340.0
802	1577.9	653.9	52.5	803	1577.9	653.9	105.0	804	1577.9	653.9	157.5
805	1577.9	653.9	210.0	806	1577.9	653.9	253.3	807	1577.9	653.9	296.7
808	1577.9	653.9	340.0	809	1664.6	653.9	253.3	810	1664.6	653.9	210.0
811	1664.6	653.9	296.7	812	1664.6	653.9	340.0	813	1621.2	653.9	253.3
814	1621.2	653.9	210.0	815	1621.2	653.9	296.7	816	1621.2	653.9	340.0
817	1487.3	653.9	52.5	819	1487.3	653.9	105.0	820	1487.3	653.9	157.5
821	1487.3	653.9	210.0	822	1430.7	653.9	52.5	824	1430.7	653.9	105.0
825	1430.7	653.9	157.5	826	1430.7	653.9	210.0	827	1374.1	653.9	52.5
829	1374.1	653.9	105.0	830	1374.1	653.9	157.5	831	1374.1	653.9	210.0
832	1317.5	653.9	52.5	834	1317.5	653.9	105.0	835	1317.5	653.9	157.5
836	1317.5	653.9	210.0	837	1260.9	653.9	52.5	839	1260.9	653.9	105.0
840	1260.9	653.9	157.5	841	1260.9	653.9	210.0	842	1204.3	653.9	52.5
844	1204.3	653.9	105.0	845	1204.3	653.9	157.5	846	1204.3	653.9	210.0
847	1147.7	653.9	52.5	849	1147.7	653.9	105.0	850	1147.7	653.9	157.5
851	1147.7	653.9	210.0	852	1091.1	653.9	52.5	854	1091.1	653.9	105.0
855	1091.1	653.9	157.5	856	1091.1	653.9	210.0	857	1034.5	653.9	52.5
859	1034.5	653.9	105.0	860	1034.5	653.9	157.5	861	1034.5	653.9	210.0
862	977.9	653.9	52.5	864	977.9	653.9	105.0	865	977.9	653.9	157.5

866	977.9	653.9	210.0	867	1487.3	653.9	253.3	868	1487.3	653.9	296.7
869	1487.3	653.9	340.0	870	1430.7	653.9	253.3	871	1430.7	653.9	296.7
872	1430.7	653.9	340.0	873	1374.1	653.9	253.3	874	1374.1	653.9	296.7
875	1374.1	653.9	340.0	876	1317.5	653.9	253.3	877	1317.5	653.9	296.7
878	1317.5	653.9	340.0	879	1260.9	653.9	253.3	880	1260.9	653.9	296.7
881	1260.9	653.9	340.0	882	1204.3	653.9	253.3	883	1204.3	653.9	296.7
884	1204.3	653.9	340.0	885	1147.7	653.9	253.3	886	1147.7	653.9	296.7
887	1147.7	653.9	340.0	888	1091.1	653.9	253.3	889	1091.1	653.9	296.7
890	1091.1	653.9	340.0	891	1034.5	653.9	253.3	892	1034.5	653.9	296.7
893	1034.5	653.9	340.0	894	977.9	653.9	253.3	895	977.9	653.9	296.7
896	977.9	653.9	340.0	898	847.9	653.9	52.5	899	805.9	653.9	52.5
901	847.9	653.9	105.0	902	805.9	653.9	105.0	903	847.9	653.9	157.5
904	805.9	653.9	157.5	905	847.9	653.9	210.0	906	805.9	653.9	210.0
907	847.9	653.9	253.3	908	805.9	653.9	253.3	909	847.9	653.9	296.7
910	805.9	653.9	296.7	911	847.9	653.9	340.0	912	805.9	653.9	340.0
913	934.6	653.9	253.3	914	934.6	653.9	210.0	915	934.6	653.9	296.7
916	934.6	653.9	340.0	917	891.2	653.9	253.3	918	891.2	653.9	210.0
919	891.2	653.9	296.7	920	891.2	653.9	340.0	922	223.9	21.4	80.0
924	283.9	21.4	40.0	926	283.9	21.4	80.0	927	763.9	1247.1	296.7
928	223.9	21.4	253.3	929	223.9	21.4	210.0	930	223.9	21.4	296.7
931	223.9	21.4	340.0	932	283.9	21.4	253.3	933	283.9	21.4	210.0
934	283.9	21.4	296.7	935	283.9	21.4	340.0	936	-8.1	75.1	40.0
938	-8.1	75.1	80.0	939	-8.1	75.1	120.0	940	-8.1	128.7	40.0
942	-8.1	128.7	80.0	943	-8.1	128.7	120.0	944	-8.1	182.3	40.0
946	-8.1	182.3	80.0	947	-8.1	182.3	120.0	948	-8.1	236.0	40.0
950	-8.1	236.0	80.0	951	-8.1	236.0	120.0	952	-8.1	289.6	40.0
954	-8.1	289.6	80.0	955	-8.1	289.6	120.0	956	-8.1	343.3	40.0
958	-8.1	343.3	80.0	959	-8.1	343.3	120.0	960	-8.1	396.9	40.0
962	-8.1	396.9	80.0	963	-8.1	396.9	120.0	964	-8.1	75.1	165.0
965	-8.1	75.1	210.0	966	-8.1	128.7	165.0	967	-8.1	128.7	210.0
968	-8.1	182.3	165.0	969	-8.1	182.3	210.0	970	-8.1	236.0	165.0
971	-8.1	236.0	210.0	972	-8.1	289.6	165.0	973	-8.1	289.6	210.0
974	-8.1	343.3	165.0	975	-8.1	343.3	210.0	976	-8.1	396.9	165.0
977	-8.1	396.9	210.0	978	-8.1	75.1	253.3	979	-8.1	75.1	296.7
980	-8.1	75.1	340.0	981	-8.1	128.7	253.3	982	-8.1	128.7	296.7
983	-8.1	128.7	340.0	984	-8.1	182.3	253.3	985	-8.1	182.3	296.7
986	-8.1	182.3	340.0	987	-8.1	236.0	253.3	988	-8.1	236.0	296.7
989	-8.1	236.0	340.0	990	-8.1	289.6	253.3	991	-8.1	289.6	296.7
992	-8.1	289.6	340.0	993	-8.1	343.3	253.3	994	-8.1	343.3	296.7
995	-8.1	343.3	340.0	996	-8.1	396.9	253.3	997	-8.1	396.9	296.7
998	-8.1	396.9	340.0	999	41.5	396.9	40.0	1001	41.5	396.9	80.0
1002	41.5	396.9	120.0	1003	91.1	396.9	40.0	1005	91.1	396.9	80.0
1006	91.1	396.9	120.0	1007	140.7	396.9	40.0	1009	140.7	396.9	80.0
1010	140.7	396.9	120.0	1011	190.3	396.9	40.0	1013	190.3	396.9	80.0
1014	190.3	396.9	120.0	1015	239.9	396.9	40.0	1017	239.9	396.9	80.0
1018	239.9	396.9	120.0	1019	41.5	396.9	165.0	1020	41.5	396.9	210.0
1021	91.1	396.9	165.0	1022	91.1	396.9	210.0	1023	140.7	396.9	165.0
1024	140.7	396.9	210.0	1025	190.3	396.9	165.0	1026	190.3	396.9	210.0
1027	239.9	396.9	165.0	1028	239.9	396.9	210.0	1029	41.5	396.9	253.3
1030	41.5	396.9	296.7	1031	41.5	396.9	340.0	1032	91.1	396.9	253.3
1033	91.1	396.9	296.7	1034	91.1	396.9	340.0	1035	140.7	396.9	253.3
1036	140.7	396.9	296.7	1037	140.7	396.9	340.0	1038	190.3	396.9	253.3
1039	190.3	396.9	296.7	1040	190.3	396.9	340.0	1041	239.9	396.9	253.3
1042	239.9	396.9	296.7	1043	239.9	396.9	340.0	1045	449.9	396.9	40.0
1046	502.2	396.9	40.0	1048	449.9	396.9	80.0	1049	502.2	396.9	80.0
1050	449.9	396.9	120.0	1051	502.2	396.9	120.0	1052	554.6	396.9	40.0
1054	554.6	396.9	80.0	1055	554.6	396.9	120.0	1056	606.9	396.9	40.0
1058	606.9	396.9	80.0	1059	606.9	396.9	120.0	1060	659.2	396.9	40.0
1062	659.2	396.9	80.0	1063	659.2	396.9	120.0	1064	711.6	396.9	40.0
1066	711.6	396.9	80.0	1067	711.6	396.9	120.0	1068	763.9	396.9	40.0
1070	763.9	396.9	80.0	1071	763.9	396.9	120.0	1072	449.9	396.9	165.0
1073	502.2	396.9	165.0	1074	449.9	396.9	210.0	1075	502.2	396.9	210.0
1076	554.6	396.9	165.0	1077	554.6	396.9	210.0	1078	606.9	396.9	165.0
1079	606.9	396.9	210.0	1080	659.2	396.9	165.0	1081	659.2	396.9	210.0
1082	711.6	396.9	165.0	1083	711.6	396.9	210.0	1084	763.9	396.9	165.0
1085	763.9	396.9	210.0	1086	449.9	396.9	253.3	1087	502.2	396.9	253.3
1088	449.9	396.9	296.7	1089	502.2	396.9	296.7	1090	449.9	396.9	340.0
1091	502.2	396.9	340.0	1092	554.6	396.9	253.3	1093	554.6	396.9	296.7
1094	554.6	396.9	340.0	1095	606.9	396.9	253.3	1096	606.9	396.9	296.7
1097	606.9	396.9	340.0	1098	659.2	396.9	253.3	1099	659.2	396.9	296.7
1100	659.2	396.9	340.0	1101	711.6	396.9	253.3	1102	711.6	396.9	296.7
1103	711.6	396.9	340.0	1104	763.9	396.9	253.3	1105	763.9	396.9	296.7
1106	763.9	396.9	340.0	1107	292.4	396.9	210.0	1108	292.4	396.9	296.7
1109	292.4	396.9	340.0	1110	292.4	396.9	253.3	1111	344.9	396.9	253.3
1112	344.9	396.9	210.0	1113	344.9	396.9	296.7	1114	344.9	396.9	340.0

1115	397.4	396.9	253.3	1116	397.4	396.9	210.0	1117	397.4	396.9	296.7
1118	397.4	396.9	340.0	1119	821.1	396.9	40.0	1121	821.1	396.9	80.0
1122	821.1	396.9	120.0	1123	878.3	396.9	40.0	1125	878.3	396.9	80.0
1126	878.3	396.9	120.0	1127	935.5	396.9	40.0	1129	935.5	396.9	80.0
1130	935.5	396.9	120.0	1131	992.7	396.9	40.0	1133	992.7	396.9	80.0
1134	992.7	396.9	120.0	1135	1049.9	396.9	40.0	1137	1049.9	396.9	80.0
1138	1049.9	396.9	120.0	1139	821.1	396.9	165.0	1140	821.1	396.9	210.0
1141	878.3	396.9	165.0	1142	878.3	396.9	210.0	1143	935.5	396.9	165.0
1144	935.5	396.9	210.0	1145	992.7	396.9	165.0	1146	992.7	396.9	210.0
1147	1049.9	396.9	165.0	1148	1049.9	396.9	210.0	1149	821.1	396.9	253.3
1150	821.1	396.9	296.7	1151	821.1	396.9	340.0	1152	878.3	396.9	253.3
1153	878.3	396.9	296.7	1154	878.3	396.9	340.0	1155	935.5	396.9	253.3
1156	935.5	396.9	296.7	1157	935.5	396.9	340.0	1158	992.7	396.9	253.3
1159	992.7	396.9	296.7	1160	992.7	396.9	340.0	1161	1049.9	396.9	253.3
1162	1049.9	396.9	296.7	1163	1049.9	396.9	340.0	1165	1257.9	396.9	40.0
1166	1315.1	396.9	40.0	1168	1257.9	396.9	80.0	1169	1315.1	396.9	80.0
1170	1257.9	396.9	120.0	1171	1315.1	396.9	120.0	1172	1372.3	396.9	40.0
1174	1372.3	396.9	80.0	1175	1372.3	396.9	120.0	1176	1429.5	396.9	40.0
1178	1429.5	396.9	80.0	1179	1429.5	396.9	120.0	1180	1486.7	396.9	40.0
1182	1486.7	396.9	80.0	1183	1486.7	396.9	120.0	1184	1543.9	396.9	40.0
1186	1543.9	396.9	80.0	1187	1543.9	396.9	120.0	1188	1257.9	396.9	165.0
1189	1315.1	396.9	165.0	1190	1257.9	396.9	210.0	1191	1315.1	396.9	210.0
1192	1372.3	396.9	165.0	1193	1372.3	396.9	210.0	1194	1429.5	396.9	165.0
1195	1429.5	396.9	210.0	1196	1486.7	396.9	165.0	1197	1486.7	396.9	210.0
1198	1543.9	396.9	165.0	1199	1543.9	396.9	210.0	1200	1257.9	396.9	253.3
1201	1315.1	396.9	253.3	1202	1257.9	396.9	296.7	1203	1315.1	396.9	296.7
1204	1257.9	396.9	340.0	1205	1315.1	396.9	340.0	1206	1372.3	396.9	253.3
1207	1372.3	396.9	296.7	1208	1372.3	396.9	340.0	1209	1429.5	396.9	253.3
1210	1429.5	396.9	296.7	1211	1429.5	396.9	340.0	1212	1486.7	396.9	253.3
1213	1486.7	396.9	296.7	1214	1486.7	396.9	340.0	1215	1543.9	396.9	253.3
1216	1543.9	396.9	296.7	1217	1543.9	396.9	340.0	1218	1101.9	396.9	253.3
1219	1101.9	396.9	210.0	1220	1101.9	396.9	296.7	1221	1101.9	396.9	340.0
1222	1153.9	396.9	253.3	1223	1153.9	396.9	210.0	1224	1153.9	396.9	296.7
1225	1153.9	396.9	340.0	1226	1205.9	396.9	253.3	1227	1205.9	396.9	210.0
1228	1205.9	396.9	296.7	1229	1205.9	396.9	340.0	1230	1596.2	396.9	40.0
1232	1596.2	396.9	80.0	1233	1596.2	396.9	120.0	1234	1648.6	396.9	40.0
1236	1648.6	396.9	80.0	1237	1648.6	396.9	120.0	1238	1700.9	396.9	40.0
1240	1700.9	396.9	80.0	1241	1700.9	396.9	120.0	1242	1753.2	396.9	40.0
1244	1753.2	396.9	80.0	1245	1753.2	396.9	120.0	1246	1805.6	396.9	40.0
1248	1805.6	396.9	80.0	1249	1805.6	396.9	120.0	1250	1857.9	396.9	40.0
1252	1857.9	396.9	80.0	1253	1857.9	396.9	120.0	1254	1596.2	396.9	165.0
1255	1596.2	396.9	210.0	1256	1648.6	396.9	165.0	1257	1648.6	396.9	210.0
1258	1700.9	396.9	165.0	1259	1700.9	396.9	210.0	1260	1753.2	396.9	165.0
1261	1753.2	396.9	210.0	1262	1805.6	396.9	165.0	1263	1805.6	396.9	210.0
1264	1857.9	396.9	165.0	1265	1857.9	396.9	210.0	1266	1596.2	396.9	253.3
1267	1596.2	396.9	296.7	1268	1596.2	396.9	340.0	1269	1648.6	396.9	253.3
1270	1648.6	396.9	296.7	1271	1648.6	396.9	340.0	1272	1700.9	396.9	253.3
1273	1700.9	396.9	296.7	1274	1700.9	396.9	340.0	1275	1753.2	396.9	253.3
1276	1753.2	396.9	296.7	1277	1753.2	396.9	340.0	1278	1805.6	396.9	253.3
1279	1805.6	396.9	296.7	1280	1805.6	396.9	340.0	1281	1857.9	396.9	253.3
1282	1857.9	396.9	296.7	1283	1857.9	396.9	340.0	1285	2067.9	396.9	40.0
1286	2117.5	396.9	40.0	1288	2067.9	396.9	80.0	1289	2117.5	396.9	80.0
1290	2067.9	396.9	120.0	1291	2117.5	396.9	120.0	1292	2167.1	396.9	40.0
1294	2167.1	396.9	80.0	1295	2167.1	396.9	120.0	1296	2216.7	396.9	40.0
1298	2216.7	396.9	80.0	1299	2216.7	396.9	120.0	1300	2266.3	396.9	40.0
1302	2266.3	396.9	80.0	1303	2266.3	396.9	120.0	1304	2315.9	396.9	40.0
1306	2315.9	396.9	80.0	1307	2315.9	396.9	120.0	1308	2067.9	396.9	165.0
1309	2117.5	396.9	165.0	1310	2067.9	396.9	210.0	1311	2117.5	396.9	210.0
1312	2167.1	396.9	165.0	1313	2167.1	396.9	210.0	1314	2216.7	396.9	165.0
1315	2216.7	396.9	210.0	1316	2266.3	396.9	165.0	1317	2266.3	396.9	210.0
1318	2315.9	396.9	165.0	1319	2315.9	396.9	210.0	1320	2067.9	396.9	253.3
1321	2117.5	396.9	253.3	1322	2067.9	396.9	296.7	1323	2117.5	396.9	296.7
1324	2067.9	396.9	340.0	1325	2117.5	396.9	340.0	1326	2167.1	396.9	253.3
1327	2167.1	396.9	296.7	1328	2167.1	396.9	340.0	1329	2216.7	396.9	253.3
1330	2216.7	396.9	296.7	1331	2216.7	396.9	340.0	1332	2266.3	396.9	253.3
1333	2266.3	396.9	296.7	1334	2266.3	396.9	340.0	1335	2315.9	396.9	253.3
1336	2315.9	396.9	296.7	1337	2315.9	396.9	340.0	1338	1910.4	396.9	253.3
1339	1910.4	396.9	210.0	1340	1910.4	396.9	296.7	1341	1910.4	396.9	340.0
1342	1962.9	396.9	253.3	1343	1962.9	396.9	210.0	1344	1962.9	396.9	296.7
1345	1962.9	396.9	340.0	1346	2015.4	396.9	253.3	1347	2015.4	396.9	210.0
1348	2015.4	396.9	296.7	1349	2015.4	396.9	340.0	1350	763.9	343.3	40.0
1352	763.9	343.3	80.0	1353	763.9	343.3	120.0	1354	763.9	289.6	40.0
1356	763.9	289.6	80.0	1357	763.9	289.6	120.0	1358	763.9	236.0	40.0
1360	763.9	236.0	80.0	1361	763.9	236.0	120.0	1362	763.9	182.3	40.0
1364	763.9	182.3	80.0	1365	763.9	182.3	120.0	1366	763.9	128.7	40.0

1368	763.9	128.7	80.0	1369	763.9	128.7	120.0	1370	763.9	75.1	40.0
1372	763.9	75.1	80.0	1373	763.9	75.1	120.0	1374	763.9	21.4	40.0
1376	763.9	21.4	80.0	1377	763.9	21.4	120.0	1378	763.9	343.3	165.0
1379	763.9	343.3	210.0	1380	763.9	289.6	165.0	1381	763.9	289.6	210.0
1382	763.9	236.0	165.0	1383	763.9	236.0	210.0	1384	763.9	182.3	165.0
1385	763.9	182.3	210.0	1386	763.9	128.7	165.0	1387	763.9	128.7	210.0
1388	763.9	75.1	165.0	1389	763.9	75.1	210.0	1390	763.9	21.4	165.0
1391	763.9	21.4	210.0	1392	763.9	343.3	253.3	1393	763.9	343.3	296.7
1394	763.9	343.3	340.0	1395	763.9	289.6	253.3	1396	763.9	289.6	296.7
1397	763.9	289.6	340.0	1398	763.9	236.0	253.3	1399	763.9	236.0	296.7
1400	763.9	236.0	340.0	1401	763.9	182.3	253.3	1402	763.9	182.3	296.7
1403	763.9	182.3	340.0	1404	763.9	128.7	253.3	1405	763.9	128.7	296.7
1406	763.9	128.7	340.0	1407	763.9	75.1	253.3	1408	763.9	75.1	296.7
1409	763.9	75.1	340.0	1410	763.9	21.4	253.3	1411	763.9	21.4	296.7
1412	763.9	21.4	340.0	1413	1543.9	343.3	40.0	1415	1543.9	343.3	80.0
1416	1543.9	343.3	120.0	1417	1543.9	289.6	40.0	1419	1543.9	289.6	80.0
1420	1543.9	289.6	120.0	1421	1543.9	236.0	40.0	1423	1543.9	236.0	80.0
1424	1543.9	236.0	120.0	1425	1543.9	182.3	40.0	1427	1543.9	182.3	80.0
1428	1543.9	182.3	120.0	1429	1543.9	128.7	40.0	1431	1543.9	128.7	80.0
1432	1543.9	128.7	120.0	1433	1543.9	75.1	40.0	1435	1543.9	75.1	80.0
1436	1543.9	75.1	120.0	1437	1543.9	21.4	40.0	1439	1543.9	21.4	80.0
1440	1543.9	21.4	120.0	1441	1543.9	343.3	165.0	1442	1543.9	343.3	210.0
1443	1543.9	289.6	165.0	1444	1543.9	289.6	210.0	1445	1543.9	236.0	165.0
1446	1543.9	236.0	210.0	1447	1543.9	182.3	165.0	1448	1543.9	182.3	210.0
1449	1543.9	128.7	165.0	1450	1543.9	128.7	210.0	1451	1543.9	75.1	165.0
1452	1543.9	75.1	210.0	1453	1543.9	21.4	165.0	1454	1543.9	21.4	210.0
1455	1543.9	343.3	253.3	1456	1543.9	343.3	296.7	1457	1543.9	343.3	340.0
1458	1543.9	289.6	253.3	1459	1543.9	289.6	296.7	1460	1543.9	289.6	340.0
1461	1543.9	236.0	253.3	1462	1543.9	236.0	296.7	1463	1543.9	236.0	340.0
1464	1543.9	182.3	253.3	1465	1543.9	182.3	296.7	1466	1543.9	182.3	340.0
1467	1543.9	128.7	253.3	1468	1543.9	128.7	296.7	1469	1543.9	128.7	340.0
1470	1543.9	75.1	253.3	1471	1543.9	75.1	296.7	1472	1543.9	75.1	340.0
1473	1543.9	21.4	253.3	1474	1543.9	21.4	296.7	1475	1543.9	21.4	340.0
1476	2315.9	343.3	40.0	1478	2315.9	343.3	80.0	1479	2315.9	343.3	120.0
1480	2315.9	289.6	40.0	1482	2315.9	289.6	80.0	1483	2315.9	289.6	120.0
1484	2315.9	236.0	40.0	1486	2315.9	236.0	80.0	1487	2315.9	236.0	120.0
1488	2315.9	182.3	40.0	1490	2315.9	182.3	80.0	1491	2315.9	182.3	120.0
1492	2315.9	128.7	40.0	1494	2315.9	128.7	80.0	1495	2315.9	128.7	120.0
1496	2315.9	75.1	40.0	1498	2315.9	75.1	80.0	1499	2315.9	75.1	120.0
1500	2315.9	21.4	40.0	1502	2315.9	21.4	80.0	1503	2315.9	21.4	120.0
1504	2315.9	343.3	165.0	1505	2315.9	343.3	210.0	1506	2315.9	289.6	165.0
1507	2315.9	289.6	210.0	1508	2315.9	236.0	165.0	1509	2315.9	236.0	210.0
1510	2315.9	182.3	165.0	1511	2315.9	182.3	210.0	1512	2315.9	128.7	165.0
1513	2315.9	128.7	210.0	1514	2315.9	75.1	165.0	1515	2315.9	75.1	210.0
1516	2315.9	21.4	165.0	1517	2315.9	21.4	210.0	1518	2315.9	343.3	253.3
1519	2315.9	343.3	296.7	1520	2315.9	343.3	340.0	1521	2315.9	289.6	253.3
1522	2315.9	289.6	296.7	1523	2315.9	289.6	340.0	1524	2315.9	236.0	253.3
1525	2315.9	236.0	296.7	1526	2315.9	236.0	340.0	1527	2315.9	182.3	253.3
1528	2315.9	182.3	296.7	1529	2315.9	182.3	340.0	1530	2315.9	128.7	253.3
1531	2315.9	128.7	296.7	1532	2315.9	128.7	340.0	1533	2315.9	75.1	253.3
1534	2315.9	75.1	296.7	1535	2315.9	75.1	340.0	1536	2315.9	21.4	253.3
1537	2315.9	21.4	296.7	1538	2315.9	21.4	340.0	1539	703.9	21.4	40.0
1541	703.9	21.4	80.0	1542	703.9	21.4	120.0	1543	643.9	21.4	40.0
1545	643.9	21.4	80.0	1546	643.9	21.4	120.0	1547	583.9	21.4	40.0
1549	583.9	21.4	80.0	1550	583.9	21.4	120.0	1551	703.9	21.4	165.0
1552	703.9	21.4	210.0	1553	643.9	21.4	165.0	1554	643.9	21.4	210.0
1555	583.9	21.4	165.0	1556	583.9	21.4	210.0	1557	703.9	21.4	253.3
1558	703.9	21.4	296.7	1559	703.9	21.4	340.0	1560	643.9	21.4	253.3
1561	643.9	21.4	296.7	1562	643.9	21.4	340.0	1563	583.9	21.4	253.3
1564	583.9	21.4	296.7	1565	583.9	21.4	340.0	1566	538.9	21.4	40.0
1568	538.9	21.4	80.0	1569	763.9	1247.1	253.3	1570	493.9	21.4	40.0
1572	493.9	21.4	80.0	1573	763.9	1247.1	210.0	1574	448.9	21.4	40.0
1576	448.9	21.4	80.0	1577	763.9	1247.1	157.5	1578	538.9	21.4	253.3
1579	538.9	21.4	210.0	1580	538.9	21.4	296.7	1581	538.9	21.4	340.0
1582	493.9	21.4	253.3	1583	493.9	21.4	210.0	1584	493.9	21.4	296.7
1585	493.9	21.4	340.0	1586	448.9	21.4	253.3	1587	448.9	21.4	210.0
1588	448.9	21.4	296.7	1589	448.9	21.4	340.0	1590	823.9	21.4	40.0
1592	823.9	21.4	80.0	1593	823.9	21.4	120.0	1594	883.9	21.4	40.0
1596	883.9	21.4	80.0	1597	883.9	21.4	120.0	1598	943.9	21.4	40.0
1600	943.9	21.4	80.0	1601	943.9	21.4	120.0	1602	823.9	21.4	165.0
1603	823.9	21.4	210.0	1604	883.9	21.4	165.0	1605	883.9	21.4	210.0
1606	943.9	21.4	165.0	1607	943.9	21.4	210.0	1608	823.9	21.4	253.3
1609	823.9	21.4	296.7	1610	823.9	21.4	340.0	1611	883.9	21.4	253.3
1612	883.9	21.4	296.7	1613	883.9	21.4	340.0	1614	943.9	21.4	253.3
1615	943.9	21.4	296.7	1616	943.9	21.4	340.0	1618	1123.9	21.4	40.0

1619	2315.9	499.7	1010.0	1620	2315.9	499.7	1060.0	1621	1123.9	21.4	80.0
1622	2315.9	551.1	960.0	1623	1123.9	21.4	120.0	1624	2315.9	551.1	1010.0
1625	1183.9	21.4	40.0	1627	1183.9	21.4	80.0	1628	1183.9	21.4	120.0
1629	1123.9	21.4	165.0	1630	2315.9	551.1	1060.0	1631	1123.9	21.4	210.0
1632	2315.9	602.5	960.0	1633	1183.9	21.4	165.0	1634	1183.9	21.4	210.0
1635	1123.9	21.4	253.3	1636	2315.9	602.5	1010.0	1637	1123.9	21.4	296.7
1638	2315.9	602.5	1060.0	1639	1123.9	21.4	340.0	1640	1153.9	21.4	340.0
1641	1183.9	21.4	253.3	1642	1183.9	21.4	296.7	1643	1183.9	21.4	340.0
1644	1003.9	21.4	40.0	1646	1003.9	21.4	80.0	1647	763.9	1247.1	105.0
1648	1063.9	21.4	40.0	1650	1063.9	21.4	80.0	1651	763.9	1247.1	52.5
1652	1003.9	21.4	253.3	1653	1003.9	21.4	210.0	1654	1003.9	21.4	296.7
1655	1003.9	21.4	340.0	1656	1063.9	21.4	253.3	1657	1063.9	21.4	210.0
1658	1063.9	21.4	296.7	1659	1063.9	21.4	340.0	1660	1483.9	21.4	40.0
1662	1483.9	21.4	80.0	1663	1483.9	21.4	120.0	1664	1423.9	21.4	40.0
1666	1423.9	21.4	80.0	1667	1423.9	21.4	120.0	1668	1363.9	21.4	40.0
1670	1363.9	21.4	80.0	1671	1363.9	21.4	120.0	1672	1483.9	21.4	165.0
1673	1483.9	21.4	210.0	1674	1423.9	21.4	165.0	1675	1423.9	21.4	210.0
1676	1363.9	21.4	165.0	1677	1363.9	21.4	210.0	1678	1483.9	21.4	253.3
1679	1483.9	21.4	296.7	1680	1483.9	21.4	340.0	1681	1423.9	21.4	253.3
1682	1423.9	21.4	296.7	1683	1423.9	21.4	340.0	1684	1363.9	21.4	253.3
1685	1363.9	21.4	296.7	1686	1363.9	21.4	340.0	1687	1318.9	21.4	40.0
1689	1318.9	21.4	80.0	1691	1273.9	21.4	40.0	1693	1273.9	21.4	80.0
1694	1543.9	1247.1	296.7	1695	1228.9	21.4	40.0	1697	1228.9	21.4	80.0
1698	1543.9	1247.1	253.3	1699	1318.9	21.4	253.3	1700	1318.9	21.4	210.0
1701	1318.9	21.4	296.7	1702	1318.9	21.4	340.0	1703	1273.9	21.4	253.3
1704	1273.9	21.4	210.0	1705	1273.9	21.4	296.7	1706	1273.9	21.4	340.0
1707	1228.9	21.4	253.3	1708	1228.9	21.4	210.0	1709	1228.9	21.4	296.7
1710	1228.9	21.4	340.0	1711	1603.9	21.4	40.0	1713	1603.9	21.4	80.0
1714	1603.9	21.4	120.0	1715	1663.9	21.4	40.0	1717	1663.9	21.4	80.0
1718	1663.9	21.4	120.0	1719	1723.9	21.4	40.0	1721	1723.9	21.4	80.0
1722	1723.9	21.4	120.0	1723	1603.9	21.4	165.0	1724	1603.9	21.4	210.0
1725	1663.9	21.4	165.0	1726	1663.9	21.4	210.0	1727	1723.9	21.4	165.0
1728	1723.9	21.4	210.0	1729	1603.9	21.4	253.3	1730	1603.9	21.4	296.7
1731	1603.9	21.4	340.0	1732	1663.9	21.4	253.3	1733	1663.9	21.4	296.7
1734	1663.9	21.4	340.0	1735	1723.9	21.4	253.3	1736	1723.9	21.4	296.7
1737	1723.9	21.4	340.0	1739	1903.9	21.4	40.0	1740	2315.9	602.5	752.5
1741	2315.9	602.5	805.0	1742	1903.9	21.4	80.0	1743	2315.9	602.5	857.5
1744	1903.9	21.4	120.0	1745	2315.9	602.5	910.0	1746	1963.9	21.4	40.0
1748	1963.9	21.4	80.0	1749	1963.9	21.4	120.0	1750	2315.9	448.3	960.0
1751	2315.9	448.3	1010.0	1752	1903.9	21.4	210.0	1753	2315.9	448.3	1060.0
1754	2315.9	499.7	960.0	1755	1963.9	21.4	210.0	1756	1903.9	21.4	253.3
1757	1963.9	21.4	165.0	1758	1903.9	21.4	296.7	1759	1903.9	21.4	165.0
1760	1903.9	21.4	340.0	1761	1933.9	21.4	340.0	1762	1963.9	21.4	253.3
1763	1963.9	21.4	296.7	1764	1963.9	21.4	340.0	1765	1783.9	21.4	40.0
1767	1783.9	21.4	80.0	1768	1543.9	1247.1	210.0	1769	1843.9	21.4	40.0
1771	1843.9	21.4	80.0	1772	1543.9	1247.1	157.5	1773	1783.9	21.4	253.3
1774	1783.9	21.4	210.0	1775	1783.9	21.4	296.7	1776	1783.9	21.4	340.0
1777	1843.9	21.4	253.3	1778	1843.9	21.4	210.0	1779	1843.9	21.4	296.7
1780	1843.9	21.4	340.0	1781	2258.6	21.4	40.0	1783	2258.6	21.4	80.0
1784	2258.6	21.4	120.0	1785	2201.2	21.4	40.0	1787	2201.2	21.4	80.0
1788	2201.2	21.4	120.0	1789	2143.9	21.4	40.0	1791	2143.9	21.4	80.0
1792	2143.9	21.4	120.0	1793	2258.6	21.4	165.0	1794	2258.6	21.4	210.0
1795	2201.2	21.4	165.0	1796	2201.2	21.4	210.0	1797	2143.9	21.4	165.0
1798	2143.9	21.4	210.0	1799	2258.6	21.4	253.3	1800	2258.6	21.4	296.7
1801	2258.6	21.4	340.0	1802	2201.2	21.4	253.3	1803	2201.2	21.4	296.7
1804	2201.2	21.4	340.0	1805	2143.9	21.4	253.3	1806	2143.9	21.4	296.7
1807	2143.9	21.4	340.0	1808	2098.9	21.4	40.0	1810	2098.9	21.4	80.0
1811	1543.9	1247.1	105.0	1812	2053.9	21.4	40.0	1814	2053.9	21.4	80.0
1815	1543.9	1247.1	52.5	1816	2008.9	21.4	40.0	1818	2008.9	21.4	80.0
1819	1543.9	1247.1	0.0	1820	2098.9	21.4	253.3	1821	2098.9	21.4	210.0
1822	2098.9	21.4	296.7	1823	2098.9	21.4	340.0	1824	2053.9	21.4	253.3
1825	2053.9	21.4	210.0	1826	2053.9	21.4	296.7	1827	2053.9	21.4	340.0
1828	2008.9	21.4	253.3	1829	2008.9	21.4	210.0	1830	2008.9	21.4	296.7
1831	2008.9	21.4	340.0	1832	-8.1	653.9	392.5	1833	33.9	653.9	392.5
1834	-8.1	653.9	445.0	1835	33.9	653.9	445.0	1836	-8.1	653.9	497.5
1837	33.9	653.9	497.5	1838	-8.1	653.9	550.0	1839	33.9	653.9	550.0
1840	75.9	653.9	392.5	1841	75.9	653.9	445.0	1842	75.9	653.9	497.5
1843	75.9	653.9	550.0	1844	117.9	653.9	392.5	1845	117.9	653.9	445.0
1846	117.9	653.9	497.5	1847	117.9	653.9	550.0	1848	-8.1	653.9	600.0
1849	33.9	653.9	600.0	1850	-8.1	653.9	650.0	1851	33.9	653.9	650.0
1852	-8.1	653.9	700.0	1853	33.9	653.9	700.0	1854	75.9	653.9	600.0
1855	75.9	653.9	650.0	1856	75.9	653.9	700.0	1857	117.9	653.9	600.0
1858	117.9	653.9	650.0	1859	117.9	653.9	700.0	1860	247.9	653.9	392.5
1861	305.2	653.9	392.5	1862	247.9	653.9	445.0	1863	305.2	653.9	445.0
1864	247.9	653.9	497.5	1865	305.2	653.9	497.5	1866	247.9	653.9	550.0

1867	305.2	653.9	550.0	1868	362.6	653.9	392.5	1869	362.6	653.9	445.0
1870	362.6	653.9	497.5	1871	362.6	653.9	550.0	1872	419.9	653.9	392.5
1873	419.9	653.9	445.0	1874	419.9	653.9	497.5	1875	419.9	653.9	550.0
1876	477.2	653.9	392.5	1877	477.2	653.9	445.0	1878	477.2	653.9	497.5
1879	477.2	653.9	550.0	1880	534.6	653.9	392.5	1881	534.6	653.9	445.0
1882	534.6	653.9	497.5	1883	534.6	653.9	550.0	1884	591.9	653.9	392.5
1885	591.9	653.9	445.0	1886	591.9	653.9	497.5	1887	591.9	653.9	550.0
1888	649.2	653.9	392.5	1889	649.2	653.9	445.0	1890	649.2	653.9	497.5
1891	649.2	653.9	550.0	1892	706.6	653.9	392.5	1893	706.6	653.9	445.0
1894	706.6	653.9	497.5	1895	706.6	653.9	550.0	1896	763.9	653.9	392.5
1897	763.9	653.9	445.0	1898	763.9	653.9	497.5	1899	763.9	653.9	550.0
1900	247.9	653.9	600.0	1901	305.2	653.9	600.0	1902	247.9	653.9	650.0
1903	305.2	653.9	650.0	1904	247.9	653.9	700.0	1905	305.2	653.9	700.0
1906	362.6	653.9	600.0	1907	362.6	653.9	650.0	1908	362.6	653.9	700.0
1909	419.9	653.9	600.0	1910	419.9	653.9	650.0	1911	419.9	653.9	700.0
1912	477.2	653.9	600.0	1913	477.2	653.9	650.0	1914	477.2	653.9	700.0
1915	534.6	653.9	600.0	1916	534.6	653.9	650.0	1917	534.6	653.9	700.0
1918	591.9	653.9	600.0	1919	591.9	653.9	650.0	1920	591.9	653.9	700.0
1921	649.2	653.9	600.0	1922	649.2	653.9	650.0	1923	649.2	653.9	700.0
1924	706.6	653.9	600.0	1925	706.6	653.9	650.0	1926	706.6	653.9	700.0
1927	763.9	653.9	600.0	1928	763.9	653.9	650.0	1929	763.9	653.9	700.0
1930	161.2	653.9	600.0	1931	161.2	653.9	550.0	1932	161.2	653.9	650.0
1933	161.2	653.9	700.0	1934	204.6	653.9	600.0	1935	204.6	653.9	550.0
1936	204.6	653.9	650.0	1937	204.6	653.9	700.0	1938	805.9	653.9	392.5
1939	805.9	653.9	445.0	1940	805.9	653.9	497.5	1941	805.9	653.9	550.0
1942	847.9	653.9	392.5	1943	847.9	653.9	445.0	1944	847.9	653.9	497.5
1945	847.9	653.9	550.0	1946	805.9	653.9	600.0	1947	805.9	653.9	650.0
1948	805.9	653.9	700.0	1949	847.9	653.9	600.0	1950	847.9	653.9	650.0
1951	847.9	653.9	700.0	1952	977.9	653.9	392.5	1953	1034.5	653.9	392.5
1954	977.9	653.9	445.0	1955	1034.5	653.9	445.0	1956	977.9	653.9	497.5
1957	1034.5	653.9	497.5	1958	977.9	653.9	550.0	1959	1034.5	653.9	550.0
1960	1091.1	653.9	392.5	1961	1091.1	653.9	445.0	1962	1091.1	653.9	497.5
1963	1091.1	653.9	550.0	1964	1147.7	653.9	392.5	1965	1147.7	653.9	445.0
1966	1147.7	653.9	497.5	1967	1147.7	653.9	550.0	1968	1204.3	653.9	392.5
1969	1204.3	653.9	445.0	1970	1204.3	653.9	497.5	1971	1204.3	653.9	550.0
1972	1260.9	653.9	392.5	1973	1260.9	653.9	445.0	1974	1260.9	653.9	497.5
1975	1260.9	653.9	550.0	1976	1317.5	653.9	392.5	1977	1317.5	653.9	445.0
1978	1317.5	653.9	497.5	1979	1317.5	653.9	550.0	1980	1374.1	653.9	392.5
1981	1374.1	653.9	445.0	1982	1374.1	653.9	497.5	1983	1374.1	653.9	550.0
1984	1430.7	653.9	392.5	1985	1430.7	653.9	445.0	1986	1430.7	653.9	497.5
1987	1430.7	653.9	550.0	1988	1487.3	653.9	392.5	1989	1487.3	653.9	445.0
1990	1487.3	653.9	497.5	1991	1487.3	653.9	550.0	1992	1543.9	653.9	392.5
1993	1543.9	653.9	445.0	1994	1543.9	653.9	497.5	1995	1543.9	653.9	550.0
1996	977.9	653.9	600.0	1997	1034.5	653.9	600.0	1998	977.9	653.9	650.0
1999	1034.5	653.9	650.0	2000	977.9	653.9	700.0	2001	1034.5	653.9	700.0
2002	1091.1	653.9	600.0	2003	1091.1	653.9	650.0	2004	1091.1	653.9	700.0
2005	1147.7	653.9	600.0	2006	1147.7	653.9	650.0	2007	1147.7	653.9	700.0
2008	1204.3	653.9	600.0	2009	1204.3	653.9	650.0	2010	1204.3	653.9	700.0
2011	1260.9	653.9	600.0	2012	1260.9	653.9	650.0	2013	1260.9	653.9	700.0
2014	1317.5	653.9	600.0	2015	1317.5	653.9	650.0	2016	1317.5	653.9	700.0
2017	1374.1	653.9	600.0	2018	1374.1	653.9	650.0	2019	1374.1	653.9	700.0
2020	1430.7	653.9	600.0	2021	1430.7	653.9	650.0	2022	1430.7	653.9	700.0
2023	1487.3	653.9	600.0	2024	1487.3	653.9	650.0	2025	1487.3	653.9	700.0
2026	1543.9	653.9	600.0	2027	1543.9	653.9	650.0	2028	1543.9	653.9	700.0
2029	891.2	653.9	600.0	2030	891.2	653.9	550.0	2031	891.2	653.9	650.0
2032	891.2	653.9	700.0	2033	934.6	653.9	600.0	2034	934.6	653.9	550.0
2035	934.6	653.9	650.0	2036	934.6	653.9	700.0	2037	1577.9	653.9	392.5
2038	1577.9	653.9	445.0	2039	1577.9	653.9	497.5	2040	1577.9	653.9	550.0
2041	1577.9	653.9	600.0	2042	1577.9	653.9	650.0	2043	1577.9	653.9	700.0
2044	1707.9	653.9	392.5	2045	1763.2	653.9	392.5	2046	1707.9	653.9	445.0
2047	1763.2	653.9	445.0	2048	1707.9	653.9	497.5	2049	1763.2	653.9	497.5
2050	1707.9	653.9	550.0	2051	1763.2	653.9	550.0	2052	1818.4	653.9	392.5
2053	1818.4	653.9	445.0	2054	1818.4	653.9	497.5	2055	1818.4	653.9	550.0
2056	1873.7	653.9	392.5	2057	1873.7	653.9	445.0	2058	1873.7	653.9	497.5
2059	1873.7	653.9	550.0	2060	1929.0	653.9	392.5	2061	1929.0	653.9	445.0
2062	1929.0	653.9	497.5	2063	1929.0	653.9	550.0	2064	1984.3	653.9	392.5
2065	1984.3	653.9	445.0	2066	1984.3	653.9	497.5	2067	1984.3	653.9	550.0
2068	2039.5	653.9	392.5	2069	2039.5	653.9	445.0	2070	2039.5	653.9	497.5
2071	2039.5	653.9	550.0	2072	2094.8	653.9	392.5	2073	2094.8	653.9	445.0
2074	2094.8	653.9	497.5	2075	2094.8	653.9	550.0	2076	2150.1	653.9	392.5
2077	2150.1	653.9	445.0	2078	2150.1	653.9	497.5	2079	2150.1	653.9	550.0
2080	2205.4	653.9	392.5	2081	2205.4	653.9	445.0	2082	2205.4	653.9	497.5
2083	2205.4	653.9	550.0	2084	2260.6	653.9	392.5	2085	2260.6	653.9	445.0
2086	2260.6	653.9	497.5	2087	2260.6	653.9	550.0	2088	2315.9	653.9	392.5
2089	2315.9	653.9	445.0	2090	2315.9	653.9	497.5	2091	2315.9	653.9	550.0

2092	1707.9	653.9	600.0	2093	1763.2	653.9	600.0	2094	1707.9	653.9	650.0
2095	1763.2	653.9	650.0	2096	1707.9	653.9	700.0	2097	1763.2	653.9	700.0
2098	1818.4	653.9	600.0	2099	1818.4	653.9	650.0	2100	1818.4	653.9	700.0
2101	1873.7	653.9	600.0	2102	1873.7	653.9	650.0	2103	1873.7	653.9	700.0
2104	1929.0	653.9	600.0	2105	1929.0	653.9	650.0	2106	1929.0	653.9	700.0
2107	1984.3	653.9	600.0	2108	1984.3	653.9	650.0	2109	1984.3	653.9	700.0
2110	2039.5	653.9	600.0	2111	2039.5	653.9	650.0	2112	2039.5	653.9	700.0
2113	2094.8	653.9	600.0	2114	2094.8	653.9	650.0	2115	2094.8	653.9	700.0
2116	2150.1	653.9	600.0	2117	2150.1	653.9	650.0	2118	2150.1	653.9	700.0
2119	2205.4	653.9	600.0	2120	2205.4	653.9	650.0	2121	2205.4	653.9	700.0
2122	2260.6	653.9	600.0	2123	2260.6	653.9	650.0	2124	2260.6	653.9	700.0
2125	2315.9	653.9	600.0	2126	2315.9	653.9	650.0	2127	2315.9	653.9	700.0
2128	1621.2	653.9	600.0	2129	1621.2	653.9	550.0	2130	1621.2	653.9	650.0
2131	1621.2	653.9	700.0	2132	1664.6	653.9	600.0	2133	1664.6	653.9	550.0
2134	1664.6	653.9	650.0	2135	1664.6	653.9	700.0	2136	-8.1	974.4	340.0
2137	-8.1	974.4	392.5	2138	47.2	974.4	392.5	2139	47.2	974.4	340.0
2140	-8.1	974.4	445.0	2141	47.2	974.4	445.0	2142	-8.1	974.4	497.5
2143	47.2	974.4	497.5	2144	-8.1	974.4	550.0	2145	47.2	974.4	550.0
2146	102.4	974.4	392.5	2147	102.4	974.4	340.0	2148	102.4	974.4	445.0
2149	102.4	974.4	497.5	2150	102.4	974.4	550.0	2151	157.7	974.4	392.5
2152	157.7	974.4	340.0	2153	157.7	974.4	445.0	2154	157.7	974.4	497.5
2155	157.7	974.4	550.0	2156	213.0	974.4	392.5	2157	213.0	974.4	340.0
2158	213.0	974.4	445.0	2159	213.0	974.4	497.5	2160	213.0	974.4	550.0
2161	268.3	974.4	392.5	2162	268.3	974.4	340.0	2163	268.3	974.4	445.0
2164	268.3	974.4	497.5	2165	268.3	974.4	550.0	2166	323.5	974.4	392.5
2167	323.5	974.4	340.0	2168	323.5	974.4	445.0	2169	323.5	974.4	497.5
2170	323.5	974.4	550.0	2171	378.8	974.4	392.5	2172	378.8	974.4	340.0
2173	378.8	974.4	445.0	2174	378.8	974.4	497.5	2175	378.8	974.4	550.0
2176	434.1	974.4	392.5	2177	434.1	974.4	340.0	2178	434.1	974.4	445.0
2179	434.1	974.4	497.5	2180	434.1	974.4	550.0	2181	489.4	974.4	392.5
2182	489.4	974.4	340.0	2183	489.4	974.4	445.0	2184	489.4	974.4	497.5
2185	489.4	974.4	550.0	2186	544.6	974.4	392.5	2187	544.6	974.4	340.0
2188	544.6	974.4	445.0	2189	544.6	974.4	497.5	2190	544.6	974.4	550.0
2191	599.9	974.4	392.5	2192	599.9	974.4	340.0	2193	599.9	974.4	445.0
2194	599.9	974.4	497.5	2195	599.9	974.4	550.0	2196	-8.1	974.4	600.0
2197	47.2	974.4	600.0	2198	-8.1	974.4	650.0	2199	47.2	974.4	650.0
2200	-8.1	974.4	700.0	2201	47.2	974.4	700.0	2202	102.4	974.4	600.0
2203	102.4	974.4	650.0	2204	102.4	974.4	700.0	2205	157.7	974.4	600.0
2206	157.7	974.4	650.0	2207	157.7	974.4	700.0	2208	213.0	974.4	600.0
2209	213.0	974.4	650.0	2210	213.0	974.4	700.0	2211	268.3	974.4	600.0
2212	268.3	974.4	650.0	2213	268.3	974.4	700.0	2214	323.5	974.4	600.0
2215	323.5	974.4	650.0	2216	323.5	974.4	700.0	2217	378.8	974.4	600.0
2218	378.8	974.4	650.0	2219	378.8	974.4	700.0	2220	434.1	974.4	600.0
2221	434.1	974.4	650.0	2222	434.1	974.4	700.0	2223	489.4	974.4	600.0
2224	489.4	974.4	650.0	2225	489.4	974.4	700.0	2226	544.6	974.4	600.0
2227	544.6	974.4	650.0	2228	544.6	974.4	700.0	2229	599.9	974.4	600.0
2230	599.9	974.4	650.0	2231	599.9	974.4	700.0	2232	729.9	974.4	340.0
2233	729.9	974.4	392.5	2234	763.9	974.4	392.5	2235	2315.9	974.4	157.5
2236	729.9	974.4	445.0	2237	763.9	974.4	445.0	2238	729.9	974.4	497.5
2239	763.9	974.4	497.5	2240	729.9	974.4	550.0	2241	763.9	974.4	550.0
2242	729.9	974.4	600.0	2243	763.9	974.4	600.0	2244	729.9	974.4	650.0
2245	763.9	974.4	650.0	2246	729.9	974.4	700.0	2247	763.9	974.4	700.0
2248	643.2	974.4	600.0	2249	643.2	974.4	550.0	2250	643.2	974.4	650.0
2251	643.2	974.4	700.0	2252	686.6	974.4	600.0	2253	686.6	974.4	550.0
2254	686.6	974.4	650.0	2255	686.6	974.4	700.0	2256	820.5	974.4	392.5
2257	820.5	974.4	340.0	2258	820.5	974.4	445.0	2259	820.5	974.4	497.5
2260	820.5	974.4	550.0	2261	877.1	974.4	392.5	2262	877.1	974.4	340.0
2263	877.1	974.4	445.0	2264	877.1	974.4	497.5	2265	877.1	974.4	550.0
2266	933.7	974.4	392.5	2267	933.7	974.4	340.0	2268	933.7	974.4	445.0
2269	933.7	974.4	497.5	2270	933.7	974.4	550.0	2271	990.3	974.4	392.5
2272	990.3	974.4	340.0	2273	990.3	974.4	445.0	2274	990.3	974.4	497.5
2275	990.3	974.4	550.0	2276	1046.9	974.4	392.5	2277	1046.9	974.4	340.0
2278	1046.9	974.4	445.0	2279	1046.9	974.4	497.5	2280	1046.9	974.4	550.0
2281	1103.5	974.4	392.5	2282	1103.5	974.4	340.0	2283	1103.5	974.4	445.0
2284	1103.5	974.4	497.5	2285	1103.5	974.4	550.0	2286	1160.1	974.4	392.5
2287	1160.1	974.4	340.0	2288	1160.1	974.4	445.0	2289	1160.1	974.4	497.5
2290	1160.1	974.4	550.0	2291	1216.7	974.4	392.5	2292	1216.7	974.4	340.0
2293	1216.7	974.4	445.0	2294	1216.7	974.4	497.5	2295	1216.7	974.4	550.0
2296	1273.3	974.4	392.5	2297	1273.3	974.4	340.0	2298	1273.3	974.4	445.0
2299	1273.3	974.4	497.5	2300	1273.3	974.4	550.0	2301	1329.9	974.4	392.5
2302	1329.9	974.4	340.0	2303	1329.9	974.4	445.0	2304	1329.9	974.4	497.5
2305	1329.9	974.4	550.0	2306	820.5	974.4	600.0	2307	820.5	974.4	650.0
2308	820.5	974.4	700.0	2309	877.1	974.4	600.0	2310	877.1	974.4	650.0
2311	877.1	974.4	700.0	2312	933.7	974.4	600.0	2313	933.7	974.4	650.0
2314	933.7	974.4	700.0	2315	990.3	974.4	600.0	2316	990.3	974.4	650.0

2317	990.3	974.4	700.0	2318	1046.9	974.4	600.0	2319	1046.9	974.4	650.0
2320	1046.9	974.4	700.0	2321	1103.5	974.4	600.0	2322	1103.5	974.4	650.0
2323	1103.5	974.4	700.0	2324	1160.1	974.4	600.0	2325	1160.1	974.4	650.0
2326	1160.1	974.4	700.0	2327	1216.7	974.4	600.0	2328	1216.7	974.4	650.0
2329	1216.7	974.4	700.0	2330	1273.3	974.4	600.0	2331	1273.3	974.4	650.0
2332	1273.3	974.4	700.0	2333	1329.9	974.4	600.0	2334	1329.9	974.4	650.0
2335	1329.9	974.4	700.0	2336	1303.9	-145.6	445.0	2337	1363.9	-145.6	445.0
2338	223.9	-145.6	1060.0	2339	2083.9	-145.6	1010.0	2340	283.9	-145.6	1060.0
2341	2143.9	-145.6	1010.0	2342	2023.9	-145.6	1060.0	2343	2083.9	-145.6	1060.0
2344	1475.9	974.4	550.0	2345	1509.9	974.4	550.0	2346	1543.9	974.4	392.5
2347	2315.9	974.4	210.0	2348	1543.9	974.4	445.0	2349	1543.9	974.4	497.5
2350	1543.9	974.4	550.0	2351	1475.9	974.4	600.0	2352	1509.9	974.4	600.0
2353	1475.9	974.4	650.0	2354	1509.9	974.4	650.0	2355	1475.9	974.4	700.0
2356	1509.9	974.4	700.0	2357	1543.9	974.4	600.0	2358	1543.9	974.4	650.0
2359	1543.9	974.4	700.0	2360	1378.6	974.4	600.0	2361	1378.6	974.4	550.0
2362	1378.6	974.4	650.0	2363	1378.6	974.4	700.0	2364	1427.2	974.4	600.0
2365	1427.2	974.4	550.0	2366	1427.2	974.4	650.0	2367	1427.2	974.4	700.0
2368	2315.9	974.4	340.0	2369	2315.9	974.4	392.5	2370	2266.3	974.4	392.5
2371	2266.3	974.4	340.0	2372	2315.9	974.4	445.0	2373	2266.3	974.4	445.0
2374	2315.9	974.4	497.5	2375	2266.3	974.4	497.5	2376	2315.9	974.4	550.0
2377	2266.3	974.4	550.0	2378	2216.7	974.4	392.5	2379	2216.7	974.4	340.0
2380	2216.7	974.4	445.0	2381	2216.7	974.4	497.5	2382	2216.7	974.4	550.0
2383	2167.1	974.4	392.5	2384	2167.1	974.4	340.0	2385	2167.1	974.4	445.0
2386	2167.1	974.4	497.5	2387	2167.1	974.4	550.0	2388	2117.5	974.4	392.5
2389	2117.5	974.4	340.0	2390	2117.5	974.4	445.0	2391	2117.5	974.4	497.5
2392	2117.5	974.4	550.0	2393	2067.9	974.4	392.5	2394	2067.9	974.4	340.0
2395	2067.9	974.4	445.0	2396	2067.9	974.4	497.5	2397	2067.9	974.4	550.0
2398	2315.9	974.4	600.0	2399	2266.3	974.4	600.0	2400	2315.9	974.4	650.0
2401	2266.3	974.4	650.0	2402	2315.9	974.4	700.0	2403	2266.3	974.4	700.0
2404	2216.7	974.4	600.0	2405	2216.7	974.4	650.0	2406	2216.7	974.4	700.0
2407	2167.1	974.4	600.0	2408	2167.1	974.4	650.0	2409	2167.1	974.4	700.0
2410	2117.5	974.4	600.0	2411	2117.5	974.4	650.0	2412	2117.5	974.4	700.0
2413	2067.9	974.4	600.0	2414	2067.9	974.4	650.0	2415	2067.9	974.4	700.0
2416	2315.9	1011.6	392.5	2417	2315.9	1071.2	392.5	2418	2315.9	1011.6	445.0
2419	2315.9	1071.2	445.0	2420	2315.9	1011.6	497.5	2421	2315.9	1071.2	497.5
2422	2315.9	1011.6	550.0	2423	2315.9	1071.2	550.0	2424	2315.9	1130.8	392.5
2425	2315.9	1130.8	445.0	2426	2315.9	1130.8	497.5	2427	2315.9	1130.8	550.0
2428	2315.9	1190.4	392.5	2429	2315.9	1190.4	445.0	2430	2315.9	1190.4	497.5
2431	2315.9	1190.4	550.0	2432	2315.9	1250.0	392.5	2433	2315.9	1250.0	445.0
2434	2315.9	1250.0	497.5	2435	2315.9	1250.0	550.0	2436	2315.9	1309.6	392.5
2437	2315.9	1309.6	445.0	2438	2315.9	1309.6	497.5	2439	2315.9	1309.6	550.0
2440	2315.9	1369.3	392.5	2441	2315.9	1369.3	445.0	2442	2315.9	1369.3	497.5
2443	2315.9	1369.3	550.0	2444	2315.9	1428.9	392.5	2445	2315.9	1428.9	445.0
2446	2315.9	1428.9	497.5	2447	2315.9	1428.9	550.0	2448	2315.9	1488.5	392.5
2449	2315.9	1488.5	445.0	2450	2315.9	1488.5	497.5	2451	2315.9	1488.5	550.0
2452	2315.9	1548.1	392.5	2453	2315.9	1548.1	445.0	2454	2315.9	1548.1	497.5
2455	2315.9	1548.1	550.0	2456	2315.9	1607.7	392.5	2457	2315.9	1607.7	445.0
2458	2315.9	1607.7	497.5	2459	2315.9	1607.7	550.0	2460	2315.9	1011.6	600.0
2461	2315.9	1071.2	600.0	2462	2315.9	1011.6	650.0	2463	2315.9	1071.2	650.0
2464	2315.9	1011.6	700.0	2465	2315.9	1071.2	700.0	2466	2315.9	1130.8	600.0
2467	2315.9	1130.8	650.0	2468	2315.9	1130.8	700.0	2469	2315.9	1190.4	600.0
2470	2315.9	1190.4	650.0	2471	2315.9	1190.4	700.0	2472	2315.9	1250.0	600.0
2473	2315.9	1250.0	650.0	2474	2315.9	1250.0	700.0	2475	2315.9	1309.6	600.0
2476	2315.9	1309.6	650.0	2477	2315.9	1309.6	700.0	2478	2315.9	1369.3	600.0
2479	2315.9	1369.3	650.0	2480	2315.9	1369.3	700.0	2481	2315.9	1428.9	600.0
2482	2315.9	1428.9	650.0	2483	2315.9	1428.9	700.0	2484	2315.9	1488.5	600.0
2485	2315.9	1488.5	650.0	2486	2315.9	1488.5	700.0	2487	2315.9	1548.1	600.0
2488	2315.9	1548.1	650.0	2489	2315.9	1548.1	700.0	2490	2315.9	1607.7	600.0
2491	2315.9	1607.7	650.0	2492	2315.9	1607.7	700.0	2493	2315.9	1663.3	392.5
2494	2315.9	1663.3	340.0	2495	2315.9	1663.3	445.0	2496	2315.9	1663.3	497.5
2497	2315.9	1663.3	550.0	2498	2315.9	1718.8	392.5	2499	2315.9	1718.8	340.0
2500	2315.9	1718.8	445.0	2501	2315.9	1718.8	497.5	2502	2315.9	1718.8	550.0
2503	2315.9	1774.4	392.5	2504	2315.9	1774.4	340.0	2505	2315.9	1774.4	445.0
2506	2315.9	1774.4	497.5	2507	2315.9	1774.4	550.0	2508	2315.9	1663.3	600.0
2509	2315.9	1663.3	650.0	2510	2315.9	1663.3	700.0	2511	2315.9	1718.8	600.0
2512	2315.9	1718.8	650.0	2513	2315.9	1718.8	700.0	2514	2315.9	1774.4	600.0
2515	2315.9	1774.4	650.0	2516	2315.9	1774.4	700.0	2517	2259.9	1774.4	392.5
2518	2259.9	1774.4	340.0	2519	2259.9	1774.4	445.0	2520	2259.9	1774.4	497.5
2521	2259.9	1774.4	550.0	2522	2203.9	1774.4	392.5	2523	2203.9	1774.4	340.0
2524	2203.9	1774.4	445.0	2525	2203.9	1774.4	497.5	2526	2203.9	1774.4	550.0
2527	2259.9	1774.4	600.0	2528	2259.9	1774.4	650.0	2529	2259.9	1774.4	700.0
2530	2203.9	1774.4	600.0	2531	2203.9	1774.4	650.0	2532	2203.9	1774.4	700.0
2533	1963.9	1774.4	340.0	2534	1963.9	1774.4	392.5	2535	1933.9	1774.4	392.5
2536	1933.9	1774.4	340.0	2537	1963.9	1774.4	445.0	2538	1933.9	1774.4	445.0
2539	1963.9	1774.4	497.5	2540	1933.9	1774.4	497.5	2541	1963.9	1774.4	550.0

2542	1933.9	1774.4	550.0	2543	1903.9	1774.4	392.5	2544	1903.9	1774.4	340.0
2545	1903.9	1774.4	445.0	2546	1903.9	1774.4	497.5	2547	1903.9	1774.4	550.0
2548	1963.9	1774.4	600.0	2549	1933.9	1774.4	600.0	2550	1963.9	1774.4	650.0
2551	1933.9	1774.4	650.0	2552	1963.9	1774.4	700.0	2553	1933.9	1774.4	700.0
2554	1903.9	1774.4	600.0	2555	1903.9	1774.4	650.0	2556	1903.9	1774.4	700.0
2557	1663.9	1774.4	340.0	2558	1663.9	1774.4	392.5	2559	1623.9	1774.4	392.5
2560	1623.9	1774.4	340.0	2561	1663.9	1774.4	445.0	2562	1623.9	1774.4	445.0
2563	1663.9	1774.4	497.5	2564	1623.9	1774.4	497.5	2565	1663.9	1774.4	550.0
2566	1623.9	1774.4	550.0	2567	1583.9	1774.4	392.5	2568	1583.9	1774.4	340.0
2569	1583.9	1774.4	445.0	2570	1583.9	1774.4	497.5	2571	1583.9	1774.4	550.0
2572	1543.9	1774.4	392.5	2573	1543.9	1774.4	340.0	2574	1543.9	1774.4	445.0
2575	1543.9	1774.4	497.5	2576	1543.9	1774.4	550.0	2577	1663.9	1774.4	600.0
2578	1623.9	1774.4	600.0	2579	1663.9	1774.4	650.0	2580	1623.9	1774.4	650.0
2581	1663.9	1774.4	700.0	2582	1623.9	1774.4	700.0	2583	1583.9	1774.4	600.0
2584	1583.9	1774.4	650.0	2585	1583.9	1774.4	700.0	2586	1543.9	1774.4	600.0
2587	1543.9	1774.4	650.0	2588	1543.9	1774.4	700.0	2589	1483.9	1774.4	392.5
2590	1483.9	1774.4	340.0	2591	1483.9	1774.4	445.0	2592	1483.9	1774.4	497.5
2593	1483.9	1774.4	550.0	2594	1423.9	1774.4	392.5	2595	1423.9	1774.4	340.0
2596	1423.9	1774.4	445.0	2597	1423.9	1774.4	497.5	2598	1423.9	1774.4	550.0
2599	1483.9	1774.4	600.0	2600	1483.9	1774.4	650.0	2601	1483.9	1774.4	700.0
2602	1423.9	1774.4	600.0	2603	1423.9	1774.4	650.0	2604	1423.9	1774.4	700.0
2605	1183.9	1774.4	340.0	2606	1183.9	1774.4	392.5	2607	1153.9	1774.4	392.5
2608	1153.9	1774.4	340.0	2609	1183.9	1774.4	445.0	2610	1153.9	1774.4	445.0
2611	1183.9	1774.4	497.5	2612	1153.9	1774.4	497.5	2613	1183.9	1774.4	550.0
2614	1153.9	1774.4	550.0	2615	1123.9	1774.4	392.5	2616	1123.9	1774.4	340.0
2617	1123.9	1774.4	445.0	2618	1123.9	1774.4	497.5	2619	1123.9	1774.4	550.0
2620	1183.9	1774.4	600.0	2621	1153.9	1774.4	600.0	2622	1183.9	1774.4	650.0
2623	1153.9	1774.4	650.0	2624	1183.9	1774.4	700.0	2625	1153.9	1774.4	700.0
2626	1123.9	1774.4	600.0	2627	1123.9	1774.4	650.0	2628	1123.9	1774.4	700.0
2629	883.9	1774.4	340.0	2630	883.9	1774.4	392.5	2631	843.9	1774.4	392.5
2632	843.9	1774.4	340.0	2633	883.9	1774.4	445.0	2634	843.9	1774.4	445.0
2635	883.9	1774.4	497.5	2636	843.9	1774.4	497.5	2637	883.9	1774.4	550.0
2638	843.9	1774.4	550.0	2639	803.9	1774.4	392.5	2640	803.9	1774.4	340.0
2641	803.9	1774.4	445.0	2642	803.9	1774.4	497.5	2643	803.9	1774.4	550.0
2644	763.9	1774.4	392.5	2645	763.9	1774.4	340.0	2646	763.9	1774.4	445.0
2647	763.9	1774.4	497.5	2648	763.9	1774.4	550.0	2649	883.9	1774.4	600.0
2650	843.9	1774.4	600.0	2651	883.9	1774.4	650.0	2652	843.9	1774.4	650.0
2653	883.9	1774.4	700.0	2654	843.9	1774.4	700.0	2655	803.9	1774.4	600.0
2656	803.9	1774.4	650.0	2657	803.9	1774.4	700.0	2658	763.9	1774.4	600.0
2659	763.9	1774.4	650.0	2660	763.9	1774.4	700.0	2661	703.9	1774.4	392.5
2662	703.9	1774.4	340.0	2663	703.9	1774.4	445.0	2664	703.9	1774.4	497.5
2665	703.9	1774.4	550.0	2666	643.9	1774.4	392.5	2667	643.9	1774.4	340.0
2668	643.9	1774.4	445.0	2669	643.9	1774.4	497.5	2670	643.9	1774.4	550.0
2671	703.9	1774.4	600.0	2672	703.9	1774.4	650.0	2673	703.9	1774.4	700.0
2674	643.9	1774.4	600.0	2675	643.9	1774.4	650.0	2676	643.9	1774.4	700.0
2677	403.9	1774.4	340.0	2678	403.9	1774.4	392.5	2679	373.9	1774.4	392.5
2680	373.9	1774.4	340.0	2681	403.9	1774.4	445.0	2682	373.9	1774.4	445.0
2683	403.9	1774.4	497.5	2684	373.9	1774.4	497.5	2685	403.9	1774.4	550.0
2686	373.9	1774.4	550.0	2687	343.9	1774.4	392.5	2688	343.9	1774.4	340.0
2689	343.9	1774.4	445.0	2690	343.9	1774.4	497.5	2691	343.9	1774.4	550.0
2692	403.9	1774.4	600.0	2693	373.9	1774.4	600.0	2694	403.9	1774.4	650.0
2695	373.9	1774.4	650.0	2696	403.9	1774.4	700.0	2697	373.9	1774.4	700.0
2698	343.9	1774.4	600.0	2699	343.9	1774.4	650.0	2700	343.9	1774.4	700.0
2701	103.9	1774.4	340.0	2702	103.9	1774.4	392.5	2703	47.9	1774.4	392.5
2704	47.9	1774.4	340.0	2705	103.9	1774.4	445.0	2706	47.9	1774.4	445.0
2707	103.9	1774.4	497.5	2708	47.9	1774.4	497.5	2709	103.9	1774.4	550.0
2710	47.9	1774.4	550.0	2711	-8.1	1774.4	392.5	2712	-8.1	1774.4	340.0
2713	-8.1	1774.4	445.0	2714	-8.1	1774.4	497.5	2715	-8.1	1774.4	550.0
2716	103.9	1774.4	600.0	2717	47.9	1774.4	600.0	2718	103.9	1774.4	650.0
2719	47.9	1774.4	650.0	2720	103.9	1774.4	700.0	2721	47.9	1774.4	700.0
2722	-8.1	1774.4	600.0	2723	-8.1	1774.4	650.0	2724	-8.1	1774.4	700.0
2725	-8.1	1718.8	392.5	2726	-8.1	1718.8	340.0	2727	-8.1	1718.8	445.0
2728	-8.1	1718.8	497.5	2729	-8.1	1718.8	550.0	2730	-8.1	1663.3	392.5
2731	-8.1	1663.3	340.0	2732	-8.1	1663.3	445.0	2733	-8.1	1663.3	497.5
2734	-8.1	1663.3	550.0	2735	-8.1	1607.7	392.5	2736	-8.1	1607.7	445.0
2737	-8.1	1607.7	497.5	2738	-8.1	1607.7	550.0	2739	-8.1	1718.8	600.0
2740	-8.1	1718.8	650.0	2741	-8.1	1718.8	700.0	2742	-8.1	1663.3	600.0
2743	-8.1	1663.3	650.0	2744	-8.1	1663.3	700.0	2745	-8.1	1607.7	600.0
2746	-8.1	1607.7	650.0	2747	-8.1	1607.7	700.0	2748	-8.1	1548.1	392.5
2749	-8.1	1548.1	445.0	2750	-8.1	1548.1	497.5	2751	-8.1	1548.1	550.0
2752	-8.1	1488.5	392.5	2753	-8.1	1488.5	445.0	2754	-8.1	1488.5	497.5
2755	-8.1	1488.5	550.0	2756	-8.1	1428.9	392.5	2757	-8.1	1428.9	445.0
2758	-8.1	1428.9	497.5	2759	-8.1	1428.9	550.0	2760	-8.1	1369.3	392.5
2761	-8.1	1369.3	445.0	2762	-8.1	1369.3	497.5	2763	-8.1	1369.3	550.0
2764	-8.1	1309.6	392.5	2765	-8.1	1309.6	445.0	2766	-8.1	1309.6	497.5

2767	-8.1	1309.6	550.0	2768	-8.1	1250.0	392.5	2769	-8.1	1250.0	445.0
2770	-8.1	1250.0	497.5	2771	-8.1	1250.0	550.0	2772	-8.1	1190.4	392.5
2773	-8.1	1190.4	445.0	2774	-8.1	1190.4	497.5	2775	-8.1	1190.4	550.0
2776	-8.1	1130.8	392.5	2777	-8.1	1130.8	445.0	2778	-8.1	1130.8	497.5
2779	-8.1	1130.8	550.0	2780	-8.1	1071.2	392.5	2781	-8.1	1071.2	445.0
2782	-8.1	1071.2	497.5	2783	-8.1	1071.2	550.0	2784	-8.1	1011.6	392.5
2785	-8.1	1011.6	445.0	2786	-8.1	1011.6	497.5	2787	-8.1	1011.6	550.0
2788	-8.1	1548.1	600.0	2789	-8.1	1548.1	650.0	2790	-8.1	1548.1	700.0
2791	-8.1	1488.5	600.0	2792	-8.1	1488.5	650.0	2793	-8.1	1488.5	700.0
2794	-8.1	1428.9	600.0	2795	-8.1	1428.9	650.0	2796	-8.1	1428.9	700.0
2797	-8.1	1369.3	600.0	2798	-8.1	1369.3	650.0	2799	-8.1	1369.3	700.0
2800	-8.1	1309.6	600.0	2801	-8.1	1309.6	650.0	2802	-8.1	1309.6	700.0
2803	-8.1	1250.0	600.0	2804	-8.1	1250.0	650.0	2805	-8.1	1250.0	700.0
2806	-8.1	1190.4	600.0	2807	-8.1	1190.4	650.0	2808	-8.1	1190.4	700.0
2809	-8.1	1130.8	600.0	2810	-8.1	1130.8	650.0	2811	-8.1	1130.8	700.0
2812	-8.1	1071.2	600.0	2813	-8.1	1071.2	650.0	2814	-8.1	1071.2	700.0
2815	-8.1	1011.6	600.0	2816	-8.1	1011.6	650.0	2817	-8.1	1011.6	700.0
2818	763.9	1718.8	392.5	2819	763.9	1718.8	340.0	2820	763.9	1718.8	445.0
2821	763.9	1718.8	497.5	2822	763.9	1718.8	550.0	2823	763.9	1663.3	392.5
2824	763.9	1663.3	340.0	2825	763.9	1663.3	445.0	2826	763.9	1663.3	497.5
2827	763.9	1663.3	550.0	2828	763.9	1607.7	392.5	2829	763.9	1607.7	445.0
2830	763.9	1607.7	497.5	2831	763.9	1607.7	550.0	2832	763.9	1718.8	600.0
2833	763.9	1718.8	650.0	2834	763.9	1718.8	700.0	2835	763.9	1663.3	600.0
2836	763.9	1663.3	650.0	2837	763.9	1663.3	700.0	2838	763.9	1607.7	600.0
2839	763.9	1607.7	650.0	2840	763.9	1607.7	700.0	2841	763.9	1558.1	392.5
2842	763.9	1558.1	445.0	2843	763.9	1558.1	497.5	2844	763.9	1558.1	550.0
2845	763.9	1508.5	392.5	2846	763.9	1508.5	445.0	2847	763.9	1508.5	497.5
2848	763.9	1508.5	550.0	2849	763.9	1458.9	392.5	2850	763.9	1458.9	445.0
2851	763.9	1458.9	497.5	2852	763.9	1458.9	550.0	2853	763.9	1409.3	392.5
2854	763.9	1409.3	445.0	2855	763.9	1409.3	497.5	2856	763.9	1409.3	550.0
2857	763.9	1359.7	392.5	2858	763.9	1359.7	445.0	2859	763.9	1359.7	497.5
2860	763.9	1359.7	550.0	2861	763.9	1558.1	600.0	2862	763.9	1558.1	650.0
2863	763.9	1558.1	700.0	2864	763.9	1508.5	600.0	2865	763.9	1508.5	650.0
2866	763.9	1508.5	700.0	2867	763.9	1458.9	600.0	2868	763.9	1458.9	650.0
2869	763.9	1458.9	700.0	2870	763.9	1409.3	600.0	2871	763.9	1409.3	650.0
2872	763.9	1409.3	700.0	2873	763.9	1359.7	600.0	2874	763.9	1359.7	650.0
2875	763.9	1359.7	700.0	2876	763.9	1303.4	392.5	2877	763.9	1303.4	340.0
2878	763.9	1303.4	445.0	2879	763.9	1303.4	497.5	2880	763.9	1303.4	550.0
2881	763.9	1247.1	392.5	2882	763.9	1247.1	340.0	2883	763.9	1247.1	445.0
2884	763.9	1247.1	497.5	2885	763.9	1247.1	550.0	2886	763.9	1190.8	392.5
2887	763.9	1190.8	340.0	2888	763.9	1190.8	445.0	2889	763.9	1190.8	497.5
2890	763.9	1190.8	550.0	2891	763.9	1134.5	392.5	2892	763.9	1134.5	340.0
2893	763.9	1134.5	445.0	2894	763.9	1134.5	497.5	2895	763.9	1134.5	550.0
2896	763.9	1078.2	392.5	2897	763.9	1078.2	340.0	2898	763.9	1078.2	445.0
2899	763.9	1078.2	497.5	2900	763.9	1078.2	550.0	2901	763.9	1021.9	392.5
2902	763.9	1021.9	445.0	2903	763.9	1021.9	497.5	2904	763.9	1021.9	550.0
2905	763.9	1303.4	600.0	2906	763.9	1303.4	650.0	2907	763.9	1303.4	700.0
2908	763.9	1247.1	600.0	2909	763.9	1247.1	650.0	2910	763.9	1247.1	700.0
2911	763.9	1190.8	600.0	2912	763.9	1190.8	650.0	2913	763.9	1190.8	700.0
2914	763.9	1134.5	600.0	2915	763.9	1134.5	650.0	2916	763.9	1134.5	700.0
2917	763.9	1078.2	600.0	2918	763.9	1078.2	650.0	2919	763.9	1078.2	700.0
2920	763.9	1021.9	600.0	2921	763.9	1021.9	650.0	2922	763.9	1021.9	700.0
2923	2315.9	974.4	253.3	2924	2315.9	974.4	105.0	2925	763.9	602.9	392.5
2926	763.9	602.9	340.0	2927	-8.1	974.4	105.0	2928	763.9	602.9	445.0
2929	-8.1	974.4	52.5	2930	763.9	602.9	497.5	2932	763.9	602.9	550.0
2933	763.9	551.4	392.5	2934	763.9	551.4	340.0	2935	763.9	551.4	445.0
2936	763.9	551.4	497.5	2937	763.9	551.4	550.0	2938	763.9	499.9	392.5
2939	763.9	499.9	340.0	2940	763.9	499.9	445.0	2941	763.9	499.9	497.5
2942	763.9	499.9	550.0	2943	763.9	448.4	392.5	2944	763.9	448.4	340.0
2945	763.9	448.4	445.0	2946	763.9	448.4	497.5	2947	763.9	448.4	550.0
2948	763.9	396.9	392.5	2949	763.9	396.9	445.0	2950	763.9	396.9	497.5
2951	763.9	396.9	550.0	2952	2315.9	974.4	296.7	2953	763.9	602.9	600.0
2954	2315.9	974.4	52.5	2955	763.9	602.9	650.0	2957	763.9	602.9	700.0
2958	763.9	551.4	600.0	2959	763.9	551.4	650.0	2960	763.9	551.4	700.0
2961	763.9	499.9	600.0	2962	763.9	499.9	650.0	2963	763.9	499.9	700.0
2964	763.9	448.4	600.0	2965	763.9	448.4	650.0	2966	763.9	448.4	700.0
2967	763.9	396.9	600.0	2968	763.9	396.9	650.0	2969	763.9	396.9	700.0
2970	763.9	343.3	392.5	2971	763.9	343.3	445.0	2972	763.9	343.3	497.5
2973	763.9	343.3	550.0	2974	763.9	289.6	392.5	2975	763.9	289.6	445.0
2976	763.9	289.6	497.5	2977	763.9	289.6	550.0	2978	763.9	236.0	392.5
2979	763.9	236.0	445.0	2980	763.9	236.0	497.5	2981	763.9	236.0	550.0
2982	763.9	182.3	392.5	2983	763.9	182.3	445.0	2984	763.9	182.3	497.5
2985	763.9	182.3	550.0	2986	763.9	128.7	392.5	2987	763.9	128.7	445.0
2988	763.9	128.7	497.5	2989	763.9	128.7	550.0	2990	763.9	75.1	392.5
2991	763.9	75.1	445.0	2992	763.9	75.1	497.5	2993	763.9	75.1	550.0

2994	763.9	21.4	392.5	2995	763.9	21.4	445.0	2996	763.9	21.4	497.5
2997	763.9	21.4	550.0	2998	763.9	343.3	600.0	2999	763.9	343.3	650.0
3000	763.9	343.3	700.0	3001	763.9	289.6	600.0	3002	763.9	289.6	650.0
3003	763.9	289.6	700.0	3004	763.9	236.0	600.0	3005	763.9	236.0	650.0
3006	763.9	236.0	700.0	3007	763.9	182.3	600.0	3008	763.9	182.3	650.0
3009	763.9	182.3	700.0	3010	763.9	128.7	600.0	3011	763.9	128.7	650.0
3012	763.9	128.7	700.0	3013	763.9	75.1	600.0	3014	763.9	75.1	650.0
3015	763.9	75.1	700.0	3016	763.9	21.4	600.0	3017	763.9	21.4	650.0
3018	763.9	21.4	700.0	3019	763.9	-34.3	392.5	3020	763.9	-34.3	340.0
3021	763.9	-34.3	445.0	3022	763.9	-34.3	497.5	3023	763.9	-34.3	550.0
3024	763.9	-89.9	392.5	3025	763.9	-89.9	340.0	3026	763.9	-89.9	445.0
3027	763.9	-89.9	497.5	3028	763.9	-89.9	550.0	3029	763.9	-145.6	392.5
3030	763.9	-145.6	340.0	3031	763.9	-145.6	445.0	3032	763.9	-145.6	497.5
3033	763.9	-145.6	550.0	3034	763.9	-34.3	600.0	3035	763.9	-34.3	650.0
3036	763.9	-34.3	700.0	3037	763.9	-89.9	600.0	3038	763.9	-89.9	650.0
3039	763.9	-89.9	700.0	3040	763.9	-145.6	600.0	3041	763.9	-145.6	650.0
3042	763.9	-145.6	700.0	3043	1543.9	1718.8	392.5	3044	1543.9	1718.8	340.0
3045	1543.9	1718.8	445.0	3046	1543.9	1718.8	497.5	3047	1543.9	1718.8	550.0
3048	1543.9	1663.3	392.5	3049	1543.9	1663.3	340.0	3050	1543.9	1663.3	445.0
3051	1543.9	1663.3	497.5	3052	1543.9	1663.3	550.0	3053	1543.9	1607.7	392.5
3054	1543.9	1607.7	445.0	3055	1543.9	1607.7	497.5	3056	1543.9	1607.7	550.0
3057	1543.9	1718.8	600.0	3058	1543.9	1718.8	650.0	3059	1543.9	1718.8	700.0
3060	1543.9	1663.3	600.0	3061	1543.9	1663.3	650.0	3062	1543.9	1663.3	700.0
3063	1543.9	1607.7	600.0	3064	1543.9	1607.7	650.0	3065	1543.9	1607.7	700.0
3066	1543.9	1558.1	392.5	3067	1543.9	1558.1	445.0	3068	1543.9	1558.1	497.5
3069	1543.9	1558.1	550.0	3070	1543.9	1508.5	392.5	3071	1543.9	1508.5	445.0
3072	1543.9	1508.5	497.5	3073	1543.9	1508.5	550.0	3074	1543.9	1458.9	392.5
3075	1543.9	1458.9	445.0	3076	1543.9	1458.9	497.5	3077	1543.9	1458.9	550.0
3078	1543.9	1409.3	392.5	3079	1543.9	1409.3	445.0	3080	1543.9	1409.3	497.5
3081	1543.9	1409.3	550.0	3082	1543.9	1359.7	392.5	3083	1543.9	1359.7	445.0
3084	1543.9	1359.7	497.5	3085	1543.9	1359.7	550.0	3086	1543.9	1558.1	600.0
3087	1543.9	1558.1	650.0	3088	1543.9	1558.1	700.0	3089	1543.9	1508.5	600.0
3090	1543.9	1508.5	650.0	3091	1543.9	1508.5	700.0	3092	1543.9	1458.9	600.0
3093	1543.9	1458.9	650.0	3094	1543.9	1458.9	700.0	3095	1543.9	1409.3	600.0
3096	1543.9	1409.3	650.0	3097	1543.9	1409.3	700.0	3098	1543.9	1359.7	600.0
3099	1543.9	1359.7	650.0	3100	1543.9	1359.7	700.0	3101	1543.9	1303.4	392.5
3102	1543.9	1303.4	340.0	3103	1543.9	1303.4	445.0	3104	1543.9	1303.4	497.5
3105	1543.9	1303.4	550.0	3106	1543.9	1247.1	392.5	3107	1543.9	1247.1	340.0
3108	1543.9	1247.1	445.0	3109	1543.9	1247.1	497.5	3110	1543.9	1247.1	550.0
3111	1543.9	1190.8	392.5	3112	1543.9	1190.8	340.0	3113	1543.9	1190.8	445.0
3114	1543.9	1190.8	497.5	3115	1543.9	1190.8	550.0	3116	1543.9	1134.5	392.5
3117	1543.9	1134.5	340.0	3118	1543.9	1134.5	445.0	3119	1543.9	1134.5	497.5
3120	1543.9	1134.5	550.0	3121	1543.9	1078.2	392.5	3122	1543.9	1078.2	340.0
3123	1543.9	1078.2	445.0	3124	1543.9	1078.2	497.5	3125	1543.9	1078.2	550.0
3126	1543.9	1021.9	392.5	3127	1543.9	1021.9	445.0	3128	1543.9	1021.9	497.5
3129	1543.9	1021.9	550.0	3130	1543.9	1303.4	600.0	3131	1543.9	1303.4	650.0
3132	1543.9	1303.4	700.0	3133	1543.9	1247.1	600.0	3134	1543.9	1247.1	650.0
3135	1543.9	1247.1	700.0	3136	1543.9	1190.8	600.0	3137	1543.9	1190.8	650.0
3138	1543.9	1190.8	700.0	3139	1543.9	1134.5	600.0	3140	1543.9	1134.5	650.0
3141	1543.9	1134.5	700.0	3142	1543.9	1078.2	600.0	3143	1543.9	1078.2	650.0
3144	1543.9	1078.2	700.0	3145	1543.9	1021.9	600.0	3146	1543.9	1021.9	650.0
3147	1543.9	1021.9	700.0	3148	1543.9	602.5	392.5	3149	1543.9	602.5	340.0
3150	1543.9	602.5	445.0	3151	1543.9	602.5	497.5	3152	1543.9	602.5	550.0
3153	1543.9	551.1	392.5	3154	1543.9	551.1	340.0	3155	1543.9	551.1	445.0
3156	1543.9	551.1	497.5	3157	1543.9	551.1	550.0	3158	1543.9	499.7	392.5
3159	1543.9	499.7	340.0	3160	1543.9	499.7	445.0	3161	1543.9	499.7	497.5
3162	1543.9	499.7	550.0	3163	1543.9	448.3	392.5	3164	1543.9	448.3	340.0
3165	1543.9	448.3	445.0	3166	1543.9	448.3	497.5	3167	1543.9	448.3	550.0
3168	1543.9	396.9	392.5	3169	1543.9	396.9	445.0	3170	1543.9	396.9	497.5
3171	1543.9	396.9	550.0	3172	1543.9	602.5	600.0	3173	1543.9	602.5	650.0
3174	1543.9	602.5	700.0	3175	1543.9	551.1	600.0	3176	1543.9	551.1	650.0
3177	1543.9	551.1	700.0	3178	1543.9	499.7	600.0	3179	1543.9	499.7	650.0
3180	1543.9	499.7	700.0	3181	1543.9	448.3	600.0	3182	1543.9	448.3	650.0
3183	1543.9	448.3	700.0	3184	1543.9	396.9	600.0	3185	1543.9	396.9	650.0
3186	1543.9	396.9	700.0	3187	1543.9	343.3	392.5	3188	1543.9	343.3	445.0
3189	1543.9	343.3	497.5	3190	1543.9	343.3	550.0	3191	1543.9	289.6	392.5
3192	1543.9	289.6	445.0	3193	1543.9	289.6	497.5	3194	1543.9	289.6	550.0
3195	1543.9	236.0	392.5	3196	1543.9	236.0	445.0	3197	1543.9	236.0	497.5
3198	1543.9	236.0	550.0	3199	1543.9	182.3	392.5	3200	1543.9	182.3	445.0
3201	1543.9	182.3	497.5	3202	1543.9	182.3	550.0	3203	1543.9	128.7	392.5
3204	1543.9	128.7	445.0	3205	1543.9	128.7	497.5	3206	1543.9	128.7	550.0
3207	1543.9	75.1	392.5	3208	1543.9	75.1	445.0	3209	1543.9	75.1	497.5
3210	1543.9	75.1	550.0	3211	1543.9	21.4	392.5	3212	1543.9	21.4	445.0
3213	1543.9	21.4	497.5	3214	1543.9	21.4	550.0	3215	1543.9	343.3	600.0
3216	1543.9	343.3	650.0	3217	1543.9	343.3	700.0	3218	1543.9	289.6	600.0

3219	1543.9	289.6	650.0	3220	1543.9	289.6	700.0	3221	1543.9	236.0	600.0
3222	1543.9	236.0	650.0	3223	1543.9	236.0	700.0	3224	1543.9	182.3	600.0
3225	1543.9	182.3	650.0	3226	1543.9	182.3	700.0	3227	1543.9	128.7	600.0
3228	1543.9	128.7	650.0	3229	1543.9	128.7	700.0	3230	1543.9	75.1	600.0
3231	1543.9	75.1	650.0	3232	1543.9	75.1	700.0	3233	1543.9	21.4	600.0
3234	1543.9	21.4	650.0	3235	1543.9	21.4	700.0	3236	1543.9	-34.3	392.5
3237	1543.9	-34.3	340.0	3238	1543.9	-34.3	445.0	3239	1543.9	-34.3	497.5
3240	1543.9	-34.3	550.0	3241	1543.9	-89.9	392.5	3242	1543.9	-89.9	340.0
3243	1543.9	-89.9	445.0	3244	1543.9	-89.9	497.5	3245	1543.9	-89.9	550.0
3246	1543.9	-145.6	392.5	3247	1543.9	-145.6	340.0	3248	1543.9	-145.6	445.0
3249	1543.9	-145.6	497.5	3250	1543.9	-145.6	550.0	3251	1543.9	-34.3	600.0
3252	1543.9	-34.3	650.0	3253	1543.9	-34.3	700.0	3254	1543.9	-89.9	600.0
3255	1543.9	-89.9	650.0	3256	1543.9	-89.9	700.0	3257	1543.9	-145.6	600.0
3258	1543.9	-145.6	650.0	3259	1543.9	-145.6	700.0	3260	-8.1	602.5	392.5
3261	-8.1	602.5	340.0	3262	-8.1	602.5	445.0	3263	-8.1	602.5	497.5
3264	-8.1	602.5	550.0	3265	-8.1	551.1	392.5	3266	-8.1	551.1	340.0
3267	-8.1	551.1	445.0	3268	-8.1	551.1	497.5	3269	-8.1	551.1	550.0
3270	-8.1	499.7	392.5	3271	-8.1	499.7	340.0	3272	-8.1	499.7	445.0
3273	-8.1	499.7	497.5	3274	-8.1	499.7	550.0	3275	-8.1	448.3	392.5
3276	-8.1	448.3	340.0	3277	-8.1	448.3	445.0	3278	-8.1	448.3	497.5
3279	-8.1	448.3	550.0	3280	-8.1	396.9	392.5	3281	-8.1	396.9	445.0
3282	-8.1	396.9	497.5	3283	-8.1	396.9	550.0	3284	-8.1	602.5	600.0
3285	-8.1	602.5	650.0	3286	-8.1	602.5	700.0	3287	-8.1	551.1	600.0
3288	-8.1	551.1	650.0	3289	-8.1	551.1	700.0	3290	-8.1	499.7	600.0
3291	-8.1	499.7	650.0	3292	-8.1	499.7	700.0	3293	-8.1	448.3	600.0
3294	-8.1	448.3	650.0	3295	-8.1	448.3	700.0	3296	-8.1	396.9	600.0
3297	-8.1	396.9	650.0	3298	-8.1	396.9	700.0	3299	-8.1	343.3	392.5
3300	-8.1	343.3	445.0	3301	-8.1	343.3	497.5	3302	-8.1	343.3	550.0
3303	-8.1	289.6	392.5	3304	-8.1	289.6	445.0	3305	-8.1	289.6	497.5
3306	-8.1	289.6	550.0	3307	-8.1	236.0	392.5	3308	-8.1	236.0	445.0
3309	-8.1	236.0	497.5	3310	-8.1	236.0	550.0	3311	-8.1	182.3	392.5
3312	-8.1	182.3	445.0	3313	-8.1	182.3	497.5	3314	-8.1	182.3	550.0
3315	-8.1	128.7	392.5	3316	-8.1	128.7	445.0	3317	-8.1	128.7	497.5
3318	-8.1	128.7	550.0	3319	-8.1	75.1	392.5	3320	-8.1	75.1	445.0
3321	-8.1	75.1	497.5	3322	-8.1	75.1	550.0	3323	-8.1	21.4	392.5
3324	-8.1	21.4	445.0	3325	-8.1	21.4	497.5	3326	-8.1	21.4	550.0
3327	-8.1	343.3	600.0	3328	-8.1	343.3	650.0	3329	-8.1	343.3	700.0
3330	-8.1	289.6	600.0	3331	-8.1	289.6	650.0	3332	-8.1	289.6	700.0
3333	-8.1	236.0	600.0	3334	-8.1	236.0	650.0	3335	-8.1	236.0	700.0
3336	-8.1	182.3	600.0	3337	-8.1	182.3	650.0	3338	-8.1	182.3	700.0
3339	-8.1	128.7	600.0	3340	-8.1	128.7	650.0	3341	-8.1	128.7	700.0
3342	-8.1	75.1	600.0	3343	-8.1	75.1	650.0	3344	-8.1	75.1	700.0
3345	-8.1	21.4	600.0	3346	-8.1	21.4	650.0	3347	-8.1	21.4	700.0
3348	-8.1	-34.3	392.5	3349	-8.1	-34.3	340.0	3350	-8.1	-34.3	445.0
3351	-8.1	-34.3	497.5	3352	-8.1	-34.3	550.0	3353	-8.1	-89.9	392.5
3354	-8.1	-89.9	340.0	3355	-8.1	-89.9	445.0	3356	-8.1	-89.9	497.5
3357	-8.1	-89.9	550.0	3358	-8.1	-145.6	392.5	3359	-8.1	-145.6	340.0
3360	-8.1	-145.6	445.0	3361	-8.1	-145.6	497.5	3362	-8.1	-145.6	550.0
3363	-8.1	-34.3	600.0	3364	-8.1	-34.3	650.0	3365	-8.1	-34.3	700.0
3366	-8.1	-89.9	600.0	3367	-8.1	-89.9	650.0	3368	-8.1	-89.9	700.0
3369	-8.1	-145.6	600.0	3370	-8.1	-145.6	650.0	3371	-8.1	-145.6	700.0
3372	47.9	-145.6	392.5	3373	47.9	-145.6	340.0	3374	47.9	-145.6	445.0
3375	47.9	-145.6	497.5	3376	47.9	-145.6	550.0	3377	103.9	-145.6	392.5
3378	103.9	-145.6	340.0	3379	103.9	-145.6	445.0	3380	103.9	-145.6	497.5
3381	103.9	-145.6	550.0	3382	47.9	-145.6	600.0	3383	47.9	-145.6	650.0
3384	47.9	-145.6	700.0	3385	103.9	-145.6	600.0	3386	103.9	-145.6	650.0
3387	103.9	-145.6	700.0	3388	343.9	-145.6	340.0	3389	343.9	-145.6	392.5
3390	373.9	-145.6	392.5	3391	373.9	-145.6	340.0	3392	343.9	-145.6	445.0
3393	373.9	-145.6	445.0	3394	343.9	-145.6	497.5	3395	373.9	-145.6	497.5
3396	343.9	-145.6	550.0	3397	373.9	-145.6	550.0	3398	403.9	-145.6	392.5
3399	403.9	-145.6	340.0	3400	403.9	-145.6	445.0	3401	403.9	-145.6	497.5
3402	403.9	-145.6	550.0	3403	343.9	-145.6	600.0	3404	373.9	-145.6	600.0
3405	343.9	-145.6	650.0	3406	373.9	-145.6	650.0	3407	343.9	-145.6	700.0
3408	373.9	-145.6	700.0	3409	403.9	-145.6	600.0	3410	403.9	-145.6	650.0
3411	403.9	-145.6	700.0	3412	643.9	-145.6	340.0	3413	643.9	-145.6	392.5
3414	683.9	-145.6	392.5	3415	683.9	-145.6	340.0	3416	643.9	-145.6	445.0
3417	683.9	-145.6	445.0	3418	643.9	-145.6	497.5	3419	683.9	-145.6	497.5
3420	643.9	-145.6	550.0	3421	683.9	-145.6	550.0	3422	723.9	-145.6	392.5
3423	723.9	-145.6	340.0	3424	723.9	-145.6	445.0	3425	723.9	-145.6	497.5
3426	723.9	-145.6	550.0	3427	643.9	-145.6	600.0	3428	683.9	-145.6	600.0
3429	643.9	-145.6	650.0	3430	683.9	-145.6	650.0	3431	643.9	-145.6	700.0
3432	683.9	-145.6	700.0	3433	723.9	-145.6	600.0	3434	723.9	-145.6	650.0
3435	723.9	-145.6	700.0	3436	803.9	-145.6	392.5	3437	803.9	-145.6	340.0
3438	803.9	-145.6	445.0	3439	803.9	-145.6	497.5	3440	803.9	-145.6	550.0
3441	843.9	-145.6	392.5	3442	843.9	-145.6	340.0	3443	843.9	-145.6	445.0

3444	843.9	-145.6	497.5	3445	843.9	-145.6	550.0	3446	883.9	-145.6	392.5
3447	883.9	-145.6	340.0	3448	883.9	-145.6	445.0	3449	883.9	-145.6	497.5
3450	883.9	-145.6	550.0	3451	803.9	-145.6	600.0	3452	803.9	-145.6	650.0
3453	803.9	-145.6	700.0	3454	843.9	-145.6	600.0	3455	843.9	-145.6	650.0
3456	843.9	-145.6	700.0	3457	883.9	-145.6	600.0	3458	883.9	-145.6	650.0
3459	883.9	-145.6	700.0	3460	1123.9	-145.6	340.0	3461	1123.9	-145.6	392.5
3462	1153.9	-145.6	392.5	3463	1153.9	-145.6	340.0	3464	1123.9	-145.6	445.0
3465	1153.9	-145.6	445.0	3466	1123.9	-145.6	497.5	3467	1153.9	-145.6	497.5
3468	1123.9	-145.6	550.0	3469	1153.9	-145.6	550.0	3470	1183.9	-145.6	392.5
3471	1183.9	-145.6	340.0	3472	1183.9	-145.6	445.0	3473	1183.9	-145.6	497.5
3474	1183.9	-145.6	550.0	3475	1123.9	-145.6	600.0	3476	1153.9	-145.6	600.0
3477	1123.9	-145.6	650.0	3478	1153.9	-145.6	650.0	3479	1123.9	-145.6	700.0
3480	1153.9	-145.6	700.0	3481	1183.9	-145.6	600.0	3482	1183.9	-145.6	650.0
3483	1183.9	-145.6	700.0	3484	1423.9	-145.6	340.0	3485	1423.9	-145.6	392.5
3486	1463.9	-145.6	392.5	3487	1463.9	-145.6	340.0	3488	1423.9	-145.6	445.0
3489	1463.9	-145.6	445.0	3490	1423.9	-145.6	497.5	3491	1463.9	-145.6	497.5
3492	1423.9	-145.6	550.0	3493	1463.9	-145.6	550.0	3494	1503.9	-145.6	392.5
3495	1503.9	-145.6	340.0	3496	1503.9	-145.6	445.0	3497	1503.9	-145.6	497.5
3498	1503.9	-145.6	550.0	3499	1423.9	-145.6	600.0	3500	1463.9	-145.6	600.0
3501	1423.9	-145.6	650.0	3502	1463.9	-145.6	650.0	3503	1423.9	-145.6	700.0
3504	1463.9	-145.6	700.0	3505	1503.9	-145.6	600.0	3506	1503.9	-145.6	650.0
3507	1503.9	-145.6	700.0	3508	1583.9	-145.6	392.5	3509	1583.9	-145.6	340.0
3510	1583.9	-145.6	445.0	3511	1583.9	-145.6	497.5	3512	1583.9	-145.6	550.0
3513	1623.9	-145.6	392.5	3514	1623.9	-145.6	340.0	3515	1623.9	-145.6	445.0
3516	1623.9	-145.6	497.5	3517	1623.9	-145.6	550.0	3518	1663.9	-145.6	392.5
3519	1663.9	-145.6	340.0	3520	1663.9	-145.6	445.0	3521	1663.9	-145.6	497.5
3522	1663.9	-145.6	550.0	3523	1583.9	-145.6	600.0	3524	1583.9	-145.6	650.0
3525	1583.9	-145.6	700.0	3526	1623.9	-145.6	600.0	3527	1623.9	-145.6	650.0
3528	1623.9	-145.6	700.0	3529	1663.9	-145.6	600.0	3530	1663.9	-145.6	650.0
3531	1663.9	-145.6	700.0	3532	1903.9	-145.6	340.0	3533	1903.9	-145.6	392.5
3534	1933.9	-145.6	392.5	3535	1933.9	-145.6	340.0	3536	1903.9	-145.6	445.0
3537	1933.9	-145.6	445.0	3538	1903.9	-145.6	497.5	3539	1933.9	-145.6	497.5
3540	1903.9	-145.6	550.0	3541	1933.9	-145.6	550.0	3542	1963.9	-145.6	392.5
3543	1963.9	-145.6	340.0	3544	1963.9	-145.6	445.0	3545	1963.9	-145.6	497.5
3546	1963.9	-145.6	550.0	3547	1903.9	-145.6	600.0	3548	1933.9	-145.6	600.0
3549	1903.9	-145.6	650.0	3550	1933.9	-145.6	650.0	3551	1903.9	-145.6	700.0
3552	1933.9	-145.6	700.0	3553	1963.9	-145.6	600.0	3554	1963.9	-145.6	650.0
3555	1963.9	-145.6	700.0	3556	2203.9	-145.6	340.0	3557	2203.9	-145.6	392.5
3558	2259.9	-145.6	392.5	3559	2259.9	-145.6	340.0	3560	2203.9	-145.6	445.0
3561	2259.9	-145.6	445.0	3562	2203.9	-145.6	497.5	3563	2259.9	-145.6	497.5
3564	2203.9	-145.6	550.0	3565	2259.9	-145.6	550.0	3566	2315.9	-145.6	392.5
3567	2315.9	-145.6	340.0	3568	2315.9	-145.6	445.0	3569	2315.9	-145.6	497.5
3570	2315.9	-145.6	550.0	3571	2203.9	-145.6	600.0	3572	2259.9	-145.6	600.0
3573	2203.9	-145.6	650.0	3574	2259.9	-145.6	650.0	3575	2203.9	-145.6	700.0
3576	2259.9	-145.6	700.0	3577	2315.9	-145.6	600.0	3578	2315.9	-145.6	650.0
3579	2315.9	-145.6	700.0	3580	2315.9	-89.9	392.5	3581	2315.9	-89.9	340.0
3582	2315.9	-89.9	445.0	3583	2315.9	-89.9	497.5	3584	2315.9	-89.9	550.0
3585	2315.9	-34.3	392.5	3586	2315.9	-34.3	340.0	3587	2315.9	-34.3	445.0
3588	2315.9	-34.3	497.5	3589	2315.9	-34.3	550.0	3590	2315.9	21.4	392.5
3591	2315.9	21.4	445.0	3592	2315.9	21.4	497.5	3593	2315.9	21.4	550.0
3594	2315.9	-89.9	600.0	3595	2315.9	-89.9	650.0	3596	2315.9	-89.9	700.0
3597	2315.9	-34.3	600.0	3598	2315.9	-34.3	650.0	3599	2315.9	-34.3	700.0
3600	2315.9	21.4	600.0	3601	2315.9	21.4	650.0	3602	2315.9	21.4	700.0
3603	2315.9	75.1	392.5	3604	2315.9	75.1	445.0	3605	2315.9	75.1	497.5
3606	2315.9	75.1	550.0	3607	2315.9	128.7	392.5	3608	2315.9	128.7	445.0
3609	2315.9	128.7	497.5	3610	2315.9	128.7	550.0	3611	2315.9	182.3	392.5
3612	2315.9	182.3	445.0	3613	2315.9	182.3	497.5	3614	2315.9	182.3	550.0
3615	2315.9	236.0	392.5	3616	2315.9	236.0	445.0	3617	2315.9	236.0	497.5
3618	2315.9	236.0	550.0	3619	2315.9	289.6	392.5	3620	2315.9	289.6	445.0
3621	2315.9	289.6	497.5	3622	2315.9	289.6	550.0	3623	2315.9	343.3	392.5
3624	2315.9	343.3	445.0	3625	2315.9	343.3	497.5	3626	2315.9	343.3	550.0
3627	2315.9	396.9	392.5	3628	2315.9	396.9	445.0	3629	2315.9	396.9	497.5
3630	2315.9	396.9	550.0	3631	2315.9	75.1	600.0	3632	2315.9	75.1	650.0
3633	2315.9	75.1	700.0	3634	2315.9	128.7	600.0	3635	2315.9	128.7	650.0
3636	2315.9	128.7	700.0	3637	2315.9	182.3	600.0	3638	2315.9	182.3	650.0
3639	2315.9	182.3	700.0	3640	2315.9	236.0	600.0	3641	2315.9	236.0	650.0
3642	2315.9	236.0	700.0	3643	2315.9	289.6	600.0	3644	2315.9	289.6	650.0
3645	2315.9	289.6	700.0	3646	2315.9	343.3	600.0	3647	2315.9	343.3	650.0
3648	2315.9	343.3	700.0	3649	2315.9	396.9	600.0	3650	2315.9	396.9	650.0
3651	2315.9	396.9	700.0	3652	2315.9	448.3	392.5	3653	2315.9	448.3	340.0
3654	2315.9	448.3	445.0	3655	2315.9	448.3	497.5	3656	2315.9	448.3	550.0
3657	2315.9	499.7	392.5	3658	2315.9	499.7	340.0	3659	2315.9	499.7	445.0
3660	2315.9	499.7	497.5	3661	2315.9	499.7	550.0	3662	2315.9	551.1	392.5
3663	2315.9	551.1	340.0	3664	2315.9	551.1	445.0	3665	2315.9	551.1	497.5
3666	2315.9	551.1	550.0	3667	2315.9	602.5	392.5	3668	2315.9	602.5	340.0

3669	2315.9	602.5	445.0	3670	2315.9	602.5	497.5	3671	2315.9	602.5	550.0
3672	2315.9	448.3	600.0	3673	2315.9	448.3	650.0	3674	2315.9	448.3	700.0
3675	2315.9	499.7	600.0	3676	2315.9	499.7	650.0	3677	2315.9	499.7	700.0
3678	2315.9	551.1	600.0	3679	2315.9	551.1	650.0	3680	2315.9	551.1	700.0
3681	2315.9	602.5	600.0	3682	2315.9	602.5	650.0	3683	2315.9	602.5	700.0
3684	-8.1	974.4	296.7	3685	-8.1	974.4	253.3	3686	-8.1	974.4	210.0
3687	-8.1	974.4	157.5	3688	-8.1	653.9	752.5	3689	33.9	653.9	752.5
3690	-8.1	653.9	805.0	3691	33.9	653.9	805.0	3692	-8.1	653.9	857.5
3693	33.9	653.9	857.5	3694	-8.1	653.9	910.0	3695	33.9	653.9	910.0
3696	75.9	653.9	752.5	3697	75.9	653.9	805.0	3698	75.9	653.9	857.5
3699	75.9	653.9	910.0	3700	117.9	653.9	752.5	3701	117.9	653.9	805.0
3702	117.9	653.9	857.5	3703	117.9	653.9	910.0	3704	-8.1	653.9	960.0
3705	33.9	653.9	960.0	3706	-8.1	653.9	1010.0	3707	33.9	653.9	1010.0
3708	-8.1	653.9	1060.0	3709	33.9	653.9	1060.0	3710	75.9	653.9	960.0
3711	75.9	653.9	1010.0	3712	75.9	653.9	1060.0	3713	117.9	653.9	960.0
3714	117.9	653.9	1010.0	3715	117.9	653.9	1060.0	3716	247.9	653.9	752.5
3717	305.2	653.9	752.5	3718	247.9	653.9	805.0	3719	305.2	653.9	805.0
3720	247.9	653.9	857.5	3721	305.2	653.9	857.5	3722	247.9	653.9	910.0
3723	305.2	653.9	910.0	3724	362.6	653.9	752.5	3725	362.6	653.9	805.0
3726	362.6	653.9	857.5	3727	362.6	653.9	910.0	3728	419.9	653.9	752.5
3729	419.9	653.9	805.0	3730	419.9	653.9	857.5	3731	419.9	653.9	910.0
3732	477.2	653.9	752.5	3733	477.2	653.9	805.0	3734	477.2	653.9	857.5
3735	477.2	653.9	910.0	3736	534.6	653.9	752.5	3737	534.6	653.9	805.0
3738	534.6	653.9	857.5	3739	534.6	653.9	910.0	3740	591.9	653.9	752.5
3741	591.9	653.9	805.0	3742	591.9	653.9	857.5	3743	591.9	653.9	910.0
3744	649.2	653.9	752.5	3745	649.2	653.9	805.0	3746	649.2	653.9	857.5
3747	649.2	653.9	910.0	3748	706.6	653.9	752.5	3749	706.6	653.9	805.0
3750	706.6	653.9	857.5	3751	706.6	653.9	910.0	3752	763.9	653.9	752.5
3753	763.9	653.9	805.0	3754	763.9	653.9	857.5	3755	763.9	653.9	910.0
3756	247.9	653.9	960.0	3757	305.2	653.9	960.0	3758	247.9	653.9	1010.0
3759	305.2	653.9	1010.0	3760	247.9	653.9	1060.0	3761	305.2	653.9	1060.0
3762	362.6	653.9	960.0	3763	362.6	653.9	1010.0	3764	362.6	653.9	1060.0
3765	419.9	653.9	960.0	3766	419.9	653.9	1010.0	3767	419.9	653.9	1060.0
3768	477.2	653.9	960.0	3769	477.2	653.9	1010.0	3770	477.2	653.9	1060.0
3771	534.6	653.9	960.0	3772	534.6	653.9	1010.0	3773	534.6	653.9	1060.0
3774	591.9	653.9	960.0	3775	591.9	653.9	1010.0	3776	591.9	653.9	1060.0
3777	649.2	653.9	960.0	3778	649.2	653.9	1010.0	3779	649.2	653.9	1060.0
3780	706.6	653.9	960.0	3781	706.6	653.9	1010.0	3782	706.6	653.9	1060.0
3783	763.9	653.9	960.0	3784	763.9	653.9	1010.0	3785	763.9	653.9	1060.0
3786	161.2	653.9	960.0	3787	161.2	653.9	910.0	3788	161.2	653.9	1010.0
3789	161.2	653.9	1060.0	3790	204.6	653.9	960.0	3791	204.6	653.9	910.0
3792	204.6	653.9	1010.0	3793	204.6	653.9	1060.0	3794	805.9	653.9	752.5
3795	805.9	653.9	805.0	3796	805.9	653.9	857.5	3797	805.9	653.9	910.0
3798	847.9	653.9	752.5	3799	847.9	653.9	805.0	3800	847.9	653.9	857.5
3801	847.9	653.9	910.0	3802	805.9	653.9	960.0	3803	805.9	653.9	1010.0
3804	805.9	653.9	1060.0	3805	847.9	653.9	960.0	3806	847.9	653.9	1010.0
3807	847.9	653.9	1060.0	3808	977.9	653.9	752.5	3809	1034.5	653.9	752.5
3810	977.9	653.9	805.0	3811	1034.5	653.9	805.0	3812	977.9	653.9	857.5
3813	1034.5	653.9	857.5	3814	977.9	653.9	910.0	3815	1034.5	653.9	910.0
3816	1091.1	653.9	752.5	3817	1091.1	653.9	805.0	3818	1091.1	653.9	857.5
3819	1091.1	653.9	910.0	3820	1147.7	653.9	752.5	3821	1147.7	653.9	805.0
3822	1147.7	653.9	857.5	3823	1147.7	653.9	910.0	3824	1204.3	653.9	752.5
3825	1204.3	653.9	805.0	3826	1204.3	653.9	857.5	3827	1204.3	653.9	910.0
3828	1260.9	653.9	752.5	3829	1260.9	653.9	805.0	3830	1260.9	653.9	857.5
3831	1260.9	653.9	910.0	3832	1317.5	653.9	752.5	3833	1317.5	653.9	805.0
3834	1317.5	653.9	857.5	3835	1317.5	653.9	910.0	3836	1374.1	653.9	752.5
3837	1374.1	653.9	805.0	3838	1374.1	653.9	857.5	3839	1374.1	653.9	910.0
3840	1430.7	653.9	752.5	3841	1430.7	653.9	805.0	3842	1430.7	653.9	857.5
3843	1430.7	653.9	910.0	3844	1487.3	653.9	752.5	3845	1487.3	653.9	805.0
3846	1487.3	653.9	857.5	3847	1487.3	653.9	910.0	3848	1543.9	653.9	752.5
3849	1543.9	653.9	805.0	3850	1543.9	653.9	857.5	3851	1543.9	653.9	910.0
3852	977.9	653.9	960.0	3853	1034.5	653.9	960.0	3854	977.9	653.9	1010.0
3855	1034.5	653.9	1010.0	3856	977.9	653.9	1060.0	3857	1034.5	653.9	1060.0
3858	1091.1	653.9	960.0	3859	1091.1	653.9	1010.0	3860	1091.1	653.9	1060.0
3861	1147.7	653.9	960.0	3862	1147.7	653.9	1010.0	3863	1147.7	653.9	1060.0
3864	1204.3	653.9	960.0	3865	1204.3	653.9	1010.0	3866	1204.3	653.9	1060.0
3867	1260.9	653.9	960.0	3868	1260.9	653.9	1010.0	3869	1260.9	653.9	1060.0
3870	1317.5	653.9	960.0	3871	1317.5	653.9	1010.0	3872	1317.5	653.9	1060.0
3873	1374.1	653.9	960.0	3874	1374.1	653.9	1010.0	3875	1374.1	653.9	1060.0
3876	1430.7	653.9	960.0	3877	1430.7	653.9	1010.0	3878	1430.7	653.9	1060.0
3879	1487.3	653.9	960.0	3880	1487.3	653.9	1010.0	3881	1487.3	653.9	1060.0
3882	1543.9	653.9	960.0	3883	1543.9	653.9	1010.0	3884	1543.9	653.9	1060.0
3885	891.2	653.9	960.0	3886	891.2	653.9	910.0	3887	891.2	653.9	1010.0
3888	891.2	653.9	1060.0	3889	934.6	653.9	960.0	3890	934.6	653.9	910.0
3891	934.6	653.9	1010.0	3892	934.6	653.9	1060.0	3893	1577.9	653.9	752.5

3894	1577.9	653.9	805.0	3895	1577.9	653.9	857.5	3896	1577.9	653.9	910.0
3897	1577.9	653.9	960.0	3898	1577.9	653.9	1010.0	3899	1577.9	653.9	1060.0
3900	1707.9	653.9	752.5	3901	1763.2	653.9	752.5	3902	1707.9	653.9	805.0
3903	1763.2	653.9	805.0	3904	1707.9	653.9	857.5	3905	1763.2	653.9	857.5
3906	1707.9	653.9	910.0	3907	1763.2	653.9	910.0	3908	1818.4	653.9	752.5
3909	1818.4	653.9	805.0	3910	1818.4	653.9	857.5	3911	1818.4	653.9	910.0
3912	1873.7	653.9	752.5	3913	1873.7	653.9	805.0	3914	1873.7	653.9	857.5
3915	1873.7	653.9	910.0	3916	1929.0	653.9	752.5	3917	1929.0	653.9	805.0
3918	1929.0	653.9	857.5	3919	1929.0	653.9	910.0	3920	1984.3	653.9	752.5
3921	1984.3	653.9	805.0	3922	1984.3	653.9	857.5	3923	1984.3	653.9	910.0
3924	2039.5	653.9	752.5	3925	2039.5	653.9	805.0	3926	2039.5	653.9	857.5
3927	2039.5	653.9	910.0	3928	2094.8	653.9	752.5	3929	2094.8	653.9	805.0
3930	2094.8	653.9	857.5	3931	2094.8	653.9	910.0	3932	2150.1	653.9	752.5
3933	2150.1	653.9	805.0	3934	2150.1	653.9	857.5	3935	2150.1	653.9	910.0
3936	2205.4	653.9	752.5	3937	2205.4	653.9	805.0	3938	2205.4	653.9	857.5
3939	2205.4	653.9	910.0	3940	2260.6	653.9	752.5	3941	2260.6	653.9	805.0
3942	2260.6	653.9	857.5	3943	2260.6	653.9	910.0	3944	2315.9	653.9	752.5
3945	2315.9	653.9	805.0	3946	2315.9	653.9	857.5	3947	2315.9	653.9	910.0
3948	1707.9	653.9	960.0	3949	1763.2	653.9	960.0	3950	1707.9	653.9	1010.0
3951	1763.2	653.9	1010.0	3952	1707.9	653.9	1060.0	3953	1763.2	653.9	1060.0
3954	1818.4	653.9	960.0	3955	1818.4	653.9	1010.0	3956	1818.4	653.9	1060.0
3957	1873.7	653.9	960.0	3958	1873.7	653.9	1010.0	3959	1873.7	653.9	1060.0
3960	1929.0	653.9	960.0	3961	1929.0	653.9	1010.0	3962	1929.0	653.9	1060.0
3963	1984.3	653.9	960.0	3964	1984.3	653.9	1010.0	3965	1984.3	653.9	1060.0
3966	2039.5	653.9	960.0	3967	2039.5	653.9	1010.0	3968	2039.5	653.9	1060.0
3969	2094.8	653.9	960.0	3970	2094.8	653.9	1010.0	3971	2094.8	653.9	1060.0
3972	2150.1	653.9	960.0	3973	2150.1	653.9	1010.0	3974	2150.1	653.9	1060.0
3975	2205.4	653.9	960.0	3976	2205.4	653.9	1010.0	3977	2205.4	653.9	1060.0
3978	2260.6	653.9	960.0	3979	2260.6	653.9	1010.0	3980	2260.6	653.9	1060.0
3981	2315.9	653.9	960.0	3982	2315.9	653.9	1010.0	3983	2315.9	653.9	1060.0
3984	1621.2	653.9	960.0	3985	1621.2	653.9	910.0	3986	1621.2	653.9	1010.0
3987	1621.2	653.9	1060.0	3988	1664.6	653.9	960.0	3989	1664.6	653.9	910.0
3990	1664.6	653.9	1010.0	3991	1664.6	653.9	1060.0	3992	-8.1	974.4	752.5
3993	47.2	974.4	752.5	3994	-8.1	974.4	805.0	3995	47.2	974.4	805.0
3996	-8.1	974.4	857.5	3997	47.2	974.4	857.5	3998	-8.1	974.4	910.0
3999	47.2	974.4	910.0	4000	102.4	974.4	752.5	4001	102.4	974.4	805.0
4002	102.4	974.4	857.5	4003	102.4	974.4	910.0	4004	157.7	974.4	752.5
4005	157.7	974.4	805.0	4006	157.7	974.4	857.5	4007	157.7	974.4	910.0
4008	213.0	974.4	752.5	4009	213.0	974.4	805.0	4010	213.0	974.4	857.5
4011	213.0	974.4	910.0	4012	268.3	974.4	752.5	4013	268.3	974.4	805.0
4014	268.3	974.4	857.5	4015	268.3	974.4	910.0	4016	323.5	974.4	752.5
4017	323.5	974.4	805.0	4018	323.5	974.4	857.5	4019	323.5	974.4	910.0
4020	378.8	974.4	752.5	4021	378.8	974.4	805.0	4022	378.8	974.4	857.5
4023	378.8	974.4	910.0	4024	434.1	974.4	752.5	4025	434.1	974.4	805.0
4026	434.1	974.4	857.5	4027	434.1	974.4	910.0	4028	489.4	974.4	752.5
4029	489.4	974.4	805.0	4030	489.4	974.4	857.5	4031	489.4	974.4	910.0
4032	544.6	974.4	752.5	4033	544.6	974.4	805.0	4034	544.6	974.4	857.5
4035	544.6	974.4	910.0	4036	599.9	974.4	752.5	4037	599.9	974.4	805.0
4038	599.9	974.4	857.5	4039	599.9	974.4	910.0	4040	-8.1	974.4	960.0
4041	47.2	974.4	960.0	4042	-8.1	974.4	1010.0	4043	47.2	974.4	1010.0
4044	-8.1	974.4	1060.0	4045	47.2	974.4	1060.0	4046	102.4	974.4	960.0
4047	102.4	974.4	1010.0	4048	102.4	974.4	1060.0	4049	157.7	974.4	960.0
4050	157.7	974.4	1010.0	4051	157.7	974.4	1060.0	4052	213.0	974.4	960.0
4053	213.0	974.4	1010.0	4054	213.0	974.4	1060.0	4055	268.3	974.4	960.0
4056	268.3	974.4	1010.0	4057	268.3	974.4	1060.0	4058	323.5	974.4	960.0
4059	323.5	974.4	1010.0	4060	323.5	974.4	1060.0	4061	378.8	974.4	960.0
4062	378.8	974.4	1010.0	4063	378.8	974.4	1060.0	4064	434.1	974.4	960.0
4065	434.1	974.4	1010.0	4066	434.1	974.4	1060.0	4067	489.4	974.4	960.0
4068	489.4	974.4	1010.0	4069	489.4	974.4	1060.0	4070	544.6	974.4	960.0
4071	544.6	974.4	1010.0	4072	544.6	974.4	1060.0	4073	599.9	974.4	960.0
4074	599.9	974.4	1010.0	4075	599.9	974.4	1060.0	4076	729.9	974.4	752.5
4077	763.9	974.4	752.5	4078	729.9	974.4	805.0	4079	763.9	974.4	805.0
4080	729.9	974.4	857.5	4081	763.9	974.4	857.5	4082	729.9	974.4	910.0
4083	763.9	974.4	910.0	4084	729.9	974.4	960.0	4085	763.9	974.4	960.0
4086	729.9	974.4	1010.0	4087	763.9	974.4	1010.0	4088	729.9	974.4	1060.0
4089	763.9	974.4	1060.0	4090	643.2	974.4	960.0	4091	643.2	974.4	910.0
4092	643.2	974.4	1010.0	4093	643.2	974.4	1060.0	4094	686.6	974.4	960.0
4095	686.6	974.4	910.0	4096	686.6	974.4	1010.0	4097	686.6	974.4	1060.0
4098	820.5	974.4	752.5	4099	820.5	974.4	805.0	4100	820.5	974.4	857.5
4101	820.5	974.4	910.0	4102	877.1	974.4	752.5	4103	877.1	974.4	805.0
4104	877.1	974.4	857.5	4105	877.1	974.4	910.0	4106	933.7	974.4	752.5
4107	933.7	974.4	805.0	4108	933.7	974.4	857.5	4109	933.7	974.4	910.0
4110	990.3	974.4	752.5	4111	990.3	974.4	805.0	4112	990.3	974.4	857.5
4113	990.3	974.4	910.0	4114	1046.9	974.4	752.5	4115	1046.9	974.4	805.0
4116	1046.9	974.4	857.5	4117	1046.9	974.4	910.0	4118	1103.5	974.4	752.5

4119	1103.5	974.4	805.0	4120	1103.5	974.4	857.5	4121	1103.5	974.4	910.0
4122	1160.1	974.4	752.5	4123	1160.1	974.4	805.0	4124	1160.1	974.4	857.5
4125	1160.1	974.4	910.0	4126	1216.7	974.4	752.5	4127	1216.7	974.4	805.0
4128	1216.7	974.4	857.5	4129	1216.7	974.4	910.0	4130	1273.3	974.4	752.5
4131	1273.3	974.4	805.0	4132	1273.3	974.4	857.5	4133	1273.3	974.4	910.0
4134	1329.9	974.4	752.5	4135	1329.9	974.4	805.0	4136	1329.9	974.4	857.5
4137	1329.9	974.4	910.0	4138	820.5	974.4	960.0	4139	820.5	974.4	1010.0
4140	820.5	974.4	1060.0	4141	877.1	974.4	960.0	4142	877.1	974.4	1010.0
4143	877.1	974.4	1060.0	4144	933.7	974.4	960.0	4145	933.7	974.4	1010.0
4146	933.7	974.4	1060.0	4147	990.3	974.4	960.0	4148	990.3	974.4	1010.0
4149	990.3	974.4	1060.0	4150	1046.9	974.4	960.0	4151	1046.9	974.4	1010.0
4152	1046.9	974.4	1060.0	4153	1103.5	974.4	960.0	4154	1103.5	974.4	1010.0
4155	1103.5	974.4	1060.0	4156	1160.1	974.4	960.0	4157	1160.1	974.4	1010.0
4158	1160.1	974.4	1060.0	4159	1216.7	974.4	960.0	4160	1216.7	974.4	1010.0
4161	1216.7	974.4	1060.0	4162	1273.3	974.4	960.0	4163	1273.3	974.4	1010.0
4164	1273.3	974.4	1060.0	4165	1329.9	974.4	960.0	4166	1329.9	974.4	1010.0
4167	1329.9	974.4	1060.0	4168	2143.9	-145.6	1060.0	4169	1723.9	-145.6	960.0
4170	1723.9	-145.6	340.0	4171	1723.9	-145.6	392.5	4172	1783.9	-145.6	340.0
4173	1783.9	-145.6	392.5	4174	1475.9	974.4	910.0	4175	1509.9	974.4	910.0
4176	1543.9	974.4	752.5	4177	1543.9	974.4	805.0	4178	1543.9	974.4	857.5
4179	1543.9	974.4	910.0	4180	1475.9	974.4	960.0	4181	1509.9	974.4	960.0
4182	1475.9	974.4	1010.0	4183	1509.9	974.4	1010.0	4184	1475.9	974.4	1060.0
4185	1509.9	974.4	1060.0	4186	1543.9	974.4	960.0	4187	1543.9	974.4	1010.0
4188	1543.9	974.4	1060.0	4189	1378.6	974.4	960.0	4190	1378.6	974.4	910.0
4191	1378.6	974.4	1010.0	4192	1378.6	974.4	1060.0	4193	1427.2	974.4	960.0
4194	1427.2	974.4	910.0	4195	1427.2	974.4	1010.0	4196	1427.2	974.4	1060.0
4197	2315.9	974.4	752.5	4198	2266.3	974.4	752.5	4199	2315.9	974.4	805.0
4200	2266.3	974.4	805.0	4201	2315.9	974.4	857.5	4202	2266.3	974.4	857.5
4203	2315.9	974.4	910.0	4204	2266.3	974.4	910.0	4205	2216.7	974.4	752.5
4206	2216.7	974.4	805.0	4207	2216.7	974.4	857.5	4208	2216.7	974.4	910.0
4209	2167.1	974.4	752.5	4210	2167.1	974.4	805.0	4211	2167.1	974.4	857.5
4212	2167.1	974.4	910.0	4213	2117.5	974.4	752.5	4214	2117.5	974.4	805.0
4215	2117.5	974.4	857.5	4216	2117.5	974.4	910.0	4217	2067.9	974.4	752.5
4218	2067.9	974.4	805.0	4219	2067.9	974.4	857.5	4220	2067.9	974.4	910.0
4221	2315.9	974.4	960.0	4222	2266.3	974.4	960.0	4223	2315.9	974.4	1010.0
4224	2266.3	974.4	1010.0	4225	2315.9	974.4	1060.0	4226	2266.3	974.4	1060.0
4227	2216.7	974.4	960.0	4228	2216.7	974.4	1010.0	4229	2216.7	974.4	1060.0
4230	2167.1	974.4	960.0	4231	2167.1	974.4	1010.0	4232	2167.1	974.4	1060.0
4233	2117.5	974.4	960.0	4234	2117.5	974.4	1010.0	4235	2117.5	974.4	1060.0
4236	2067.9	974.4	960.0	4237	2067.9	974.4	1010.0	4238	2067.9	974.4	1060.0
4239	2315.9	1011.6	752.5	4240	2315.9	1071.2	752.5	4241	2315.9	1011.6	805.0
4242	2315.9	1071.2	805.0	4243	2315.9	1011.6	857.5	4244	2315.9	1071.2	857.5
4245	2315.9	1011.6	910.0	4246	2315.9	1071.2	910.0	4247	2315.9	1130.8	752.5
4248	2315.9	1130.8	805.0	4249	2315.9	1130.8	857.5	4250	2315.9	1130.8	910.0
4251	2315.9	1190.4	752.5	4252	2315.9	1190.4	805.0	4253	2315.9	1190.4	857.5
4254	2315.9	1190.4	910.0	4255	2315.9	1250.0	752.5	4256	2315.9	1250.0	805.0
4257	2315.9	1250.0	857.5	4258	2315.9	1250.0	910.0	4259	2315.9	1309.6	752.5
4260	2315.9	1309.6	805.0	4261	2315.9	1309.6	857.5	4262	2315.9	1309.6	910.0
4263	2315.9	1369.3	752.5	4264	2315.9	1369.3	805.0	4265	2315.9	1369.3	857.5
4266	2315.9	1369.3	910.0	4267	2315.9	1428.9	752.5	4268	2315.9	1428.9	805.0
4269	2315.9	1428.9	857.5	4270	2315.9	1428.9	910.0	4271	2315.9	1488.5	752.5
4272	2315.9	1488.5	805.0	4273	2315.9	1488.5	857.5	4274	2315.9	1488.5	910.0
4275	2315.9	1548.1	752.5	4276	2315.9	1548.1	805.0	4277	2315.9	1548.1	857.5
4278	2315.9	1548.1	910.0	4279	2315.9	1607.7	752.5	4280	2315.9	1607.7	805.0
4281	2315.9	1607.7	857.5	4282	2315.9	1607.7	910.0	4283	2315.9	1011.6	960.0
4284	2315.9	1071.2	960.0	4285	2315.9	1011.6	1010.0	4286	2315.9	1071.2	1010.0
4287	2315.9	1011.6	1060.0	4288	2315.9	1071.2	1060.0	4289	2315.9	1130.8	960.0
4290	2315.9	1130.8	1010.0	4291	2315.9	1130.8	1060.0	4292	2315.9	1190.4	960.0
4293	2315.9	1190.4	1010.0	4294	2315.9	1190.4	1060.0	4295	2315.9	1250.0	960.0
4296	2315.9	1250.0	1010.0	4297	2315.9	1250.0	1060.0	4298	2315.9	1309.6	960.0
4299	2315.9	1309.6	1010.0	4300	2315.9	1309.6	1060.0	4301	2315.9	1369.3	960.0
4302	2315.9	1369.3	1010.0	4303	2315.9	1369.3	1060.0	4304	2315.9	1428.9	960.0
4305	2315.9	1428.9	1010.0	4306	2315.9	1428.9	1060.0	4307	2315.9	1488.5	960.0
4308	2315.9	1488.5	1010.0	4309	2315.9	1488.5	1060.0	4310	2315.9	1548.1	960.0
4311	2315.9	1548.1	1010.0	4312	2315.9	1548.1	1060.0	4313	2315.9	1607.7	960.0
4314	2315.9	1607.7	1010.0	4315	2315.9	1607.7	1060.0	4316	2315.9	1663.3	752.5
4317	2315.9	1663.3	805.0	4318	2315.9	1663.3	857.5	4319	2315.9	1663.3	910.0
4320	2315.9	1718.8	752.5	4321	2315.9	1718.8	805.0	4322	2315.9	1718.8	857.5
4323	2315.9	1718.8	910.0	4324	2315.9	1774.4	752.5	4325	2315.9	1774.4	805.0
4326	2315.9	1774.4	857.5	4327	2315.9	1774.4	910.0	4328	2315.9	1663.3	960.0
4329	2315.9	1663.3	1010.0	4330	2315.9	1663.3	1060.0	4331	2315.9	1718.8	960.0
4332	2315.9	1718.8	1010.0	4333	2315.9	1718.8	1060.0	4334	2315.9	1774.4	960.0
4335	2315.9	1774.4	1010.0	4336	2315.9	1774.4	1060.0	4337	2023.9	-145.6	960.0
4338	2083.9	-145.6	960.0	4339	2023.9	1774.4	910.0	4340	2259.9	1774.4	910.0
4341	2083.9	1774.4	910.0	4342	2143.9	1774.4	910.0	4343	2023.9	1774.4	340.0

4344	2203.9	1774.4	910.0	4345	2259.9	1774.4	960.0	4346	2259.9	1774.4	1010.0
4347	2259.9	1774.4	1060.0	4348	2203.9	1774.4	960.0	4349	2203.9	1774.4	1010.0
4350	2203.9	1774.4	1060.0	4351	1963.9	1774.4	752.5	4352	1933.9	1774.4	752.5
4353	1963.9	1774.4	805.0	4354	1933.9	1774.4	805.0	4355	1963.9	1774.4	857.5
4356	1933.9	1774.4	857.5	4357	1963.9	1774.4	910.0	4358	1933.9	1774.4	910.0
4359	1903.9	1774.4	752.5	4360	1903.9	1774.4	805.0	4361	1903.9	1774.4	857.5
4362	1903.9	1774.4	910.0	4363	1963.9	1774.4	960.0	4364	1933.9	1774.4	960.0
4365	1963.9	1774.4	1010.0	4366	1933.9	1774.4	1010.0	4367	1963.9	1774.4	1060.0
4368	1933.9	1774.4	1060.0	4369	1903.9	1774.4	960.0	4370	1903.9	1774.4	1010.0
4371	1903.9	1774.4	1060.0	4372	1663.9	1774.4	752.5	4373	1623.9	1774.4	752.5
4374	1663.9	1774.4	805.0	4375	1623.9	1774.4	805.0	4376	1663.9	1774.4	857.5
4377	1623.9	1774.4	857.5	4378	1663.9	1774.4	910.0	4379	1623.9	1774.4	910.0
4380	1583.9	1774.4	752.5	4381	1583.9	1774.4	805.0	4382	1583.9	1774.4	857.5
4383	1583.9	1774.4	910.0	4384	1543.9	1774.4	752.5	4385	1543.9	1774.4	805.0
4386	1543.9	1774.4	857.5	4387	1543.9	1774.4	910.0	4388	1663.9	1774.4	960.0
4389	1623.9	1774.4	960.0	4390	1663.9	1774.4	1010.0	4391	1623.9	1774.4	1010.0
4392	1663.9	1774.4	1060.0	4393	1623.9	1774.4	1060.0	4394	1583.9	1774.4	960.0
4395	1583.9	1774.4	1010.0	4396	1583.9	1774.4	1060.0	4397	1543.9	1774.4	960.0
4398	1543.9	1774.4	1010.0	4399	1543.9	1774.4	1060.0	4400	2023.9	1774.4	392.5
4401	2083.9	1774.4	340.0	4402	2083.9	1774.4	392.5	4403	1483.9	1774.4	910.0
4404	2143.9	1774.4	340.0	4405	2143.9	1774.4	392.5	4406	2023.9	1774.4	445.0
4407	1423.9	1774.4	910.0	4408	1483.9	1774.4	960.0	4409	1483.9	1774.4	1010.0
4410	1483.9	1774.4	1060.0	4411	1423.9	1774.4	960.0	4412	1423.9	1774.4	1010.0
4413	1423.9	1774.4	1060.0	4414	1183.9	1774.4	752.5	4415	1153.9	1774.4	752.5
4416	1183.9	1774.4	805.0	4417	1153.9	1774.4	805.0	4418	1183.9	1774.4	857.5
4419	1153.9	1774.4	857.5	4420	1183.9	1774.4	910.0	4421	1153.9	1774.4	910.0
4422	1123.9	1774.4	752.5	4423	1123.9	1774.4	805.0	4424	1123.9	1774.4	857.5
4425	1123.9	1774.4	910.0	4426	1183.9	1774.4	960.0	4427	1153.9	1774.4	960.0
4428	1183.9	1774.4	1010.0	4429	1153.9	1774.4	1010.0	4430	1183.9	1774.4	1060.0
4431	1153.9	1774.4	1060.0	4432	1123.9	1774.4	960.0	4433	1123.9	1774.4	1010.0
4434	1123.9	1774.4	1060.0	4435	883.9	1774.4	752.5	4436	843.9	1774.4	752.5
4437	883.9	1774.4	805.0	4438	843.9	1774.4	805.0	4439	883.9	1774.4	857.5
4440	843.9	1774.4	857.5	4441	883.9	1774.4	910.0	4442	843.9	1774.4	910.0
4443	803.9	1774.4	752.5	4444	803.9	1774.4	805.0	4445	803.9	1774.4	857.5
4446	803.9	1774.4	910.0	4447	763.9	1774.4	752.5	4448	763.9	1774.4	805.0
4449	763.9	1774.4	857.5	4450	763.9	1774.4	910.0	4451	883.9	1774.4	960.0
4452	843.9	1774.4	960.0	4453	883.9	1774.4	1010.0	4454	843.9	1774.4	1010.0
4455	883.9	1774.4	1060.0	4456	843.9	1774.4	1060.0	4457	803.9	1774.4	960.0
4458	803.9	1774.4	1010.0	4459	803.9	1774.4	1060.0	4460	763.9	1774.4	960.0
4461	763.9	1774.4	1010.0	4462	763.9	1774.4	1060.0	4463	2023.9	-145.6	1010.0
4464	1243.9	-145.6	910.0	4465	1303.9	-145.6	910.0	4466	703.9	1774.4	910.0
4467	2083.9	1774.4	445.0	4468	2143.9	1774.4	445.0	4469	2143.9	-145.6	960.0
4470	643.9	1774.4	910.0	4471	703.9	1774.4	960.0	4472	703.9	1774.4	1010.0
4473	703.9	1774.4	1060.0	4474	643.9	1774.4	960.0	4475	643.9	1774.4	1010.0
4476	643.9	1774.4	1060.0	4477	403.9	1774.4	752.5	4478	373.9	1774.4	752.5
4479	403.9	1774.4	805.0	4480	373.9	1774.4	805.0	4481	403.9	1774.4	857.5
4482	373.9	1774.4	857.5	4483	403.9	1774.4	910.0	4484	373.9	1774.4	910.0
4485	343.9	1774.4	752.5	4486	343.9	1774.4	805.0	4487	343.9	1774.4	857.5
4488	343.9	1774.4	910.0	4489	403.9	1774.4	960.0	4490	373.9	1774.4	960.0
4491	403.9	1774.4	1010.0	4492	373.9	1774.4	1010.0	4493	403.9	1774.4	1060.0
4494	373.9	1774.4	1060.0	4495	343.9	1774.4	960.0	4496	343.9	1774.4	1010.0
4497	343.9	1774.4	1060.0	4498	103.9	1774.4	752.5	4499	47.9	1774.4	752.5
4500	103.9	1774.4	805.0	4501	47.9	1774.4	805.0	4502	103.9	1774.4	857.5
4503	47.9	1774.4	857.5	4504	103.9	1774.4	910.0	4505	47.9	1774.4	910.0
4506	-8.1	1774.4	752.5	4507	-8.1	1774.4	805.0	4508	-8.1	1774.4	857.5
4509	-8.1	1774.4	910.0	4510	103.9	1774.4	960.0	4511	47.9	1774.4	960.0
4512	103.9	1774.4	1010.0	4513	47.9	1774.4	1010.0	4514	103.9	1774.4	1060.0
4515	47.9	1774.4	1060.0	4516	-8.1	1774.4	960.0	4517	-8.1	1774.4	1010.0
4518	-8.1	1774.4	1060.0	4519	-8.1	1718.8	752.5	4520	-8.1	1718.8	805.0
4521	-8.1	1718.8	857.5	4522	-8.1	1718.8	910.0	4523	-8.1	1663.3	752.5
4524	-8.1	1663.3	805.0	4525	-8.1	1663.3	857.5	4526	-8.1	1663.3	910.0
4527	-8.1	1607.7	752.5	4528	-8.1	1607.7	805.0	4529	-8.1	1607.7	857.5
4530	-8.1	1607.7	910.0	4531	-8.1	1718.8	960.0	4532	-8.1	1718.8	1010.0
4533	-8.1	1718.8	1060.0	4534	-8.1	1663.3	960.0	4535	-8.1	1663.3	1010.0
4536	-8.1	1663.3	1060.0	4537	-8.1	1607.7	960.0	4538	-8.1	1607.7	1010.0
4539	-8.1	1607.7	1060.0	4540	-8.1	1548.1	752.5	4541	-8.1	1548.1	805.0
4542	-8.1	1548.1	857.5	4543	-8.1	1548.1	910.0	4544	-8.1	1488.5	752.5
4545	-8.1	1488.5	805.0	4546	-8.1	1488.5	857.5	4547	-8.1	1488.5	910.0
4548	-8.1	1428.9	752.5	4549	-8.1	1428.9	805.0	4550	-8.1	1428.9	857.5
4551	-8.1	1428.9	910.0	4552	-8.1	1369.3	752.5	4553	-8.1	1369.3	805.0
4554	-8.1	1369.3	857.5	4555	-8.1	1369.3	910.0	4556	-8.1	1309.6	752.5
4557	-8.1	1309.6	805.0	4558	-8.1	1309.6	857.5	4559	-8.1	1309.6	910.0
4560	-8.1	1250.0	752.5	4561	-8.1	1250.0	805.0	4562	-8.1	1250.0	857.5
4563	-8.1	1250.0	910.0	4564	-8.1	1190.4	752.5	4565	-8.1	1190.4	805.0
4566	-8.1	1190.4	857.5	4567	-8.1	1190.4	910.0	4568	-8.1	1130.8	752.5

4569	-8.1	1130.8	805.0	4570	-8.1	1130.8	857.5	4571	-8.1	1130.8	910.0
4572	-8.1	1071.2	752.5	4573	-8.1	1071.2	805.0	4574	-8.1	1071.2	857.5
4575	-8.1	1071.2	910.0	4576	-8.1	1011.6	752.5	4577	-8.1	1011.6	805.0
4578	-8.1	1011.6	857.5	4579	-8.1	1011.6	910.0	4580	-8.1	1548.1	960.0
4581	-8.1	1548.1	1010.0	4582	-8.1	1548.1	1060.0	4583	-8.1	1488.5	960.0
4584	-8.1	1488.5	1010.0	4585	-8.1	1488.5	1060.0	4586	-8.1	1428.9	960.0
4587	-8.1	1428.9	1010.0	4588	-8.1	1428.9	1060.0	4589	-8.1	1369.3	960.0
4590	-8.1	1369.3	1010.0	4591	-8.1	1369.3	1060.0	4592	-8.1	1309.6	960.0
4593	-8.1	1309.6	1010.0	4594	-8.1	1309.6	1060.0	4595	-8.1	1250.0	960.0
4596	-8.1	1250.0	1010.0	4597	-8.1	1250.0	1060.0	4598	-8.1	1190.4	960.0
4599	-8.1	1190.4	1010.0	4600	-8.1	1190.4	1060.0	4601	-8.1	1130.8	960.0
4602	-8.1	1130.8	1010.0	4603	-8.1	1130.8	1060.0	4604	-8.1	1071.2	960.0
4605	-8.1	1071.2	1010.0	4606	-8.1	1071.2	1060.0	4607	-8.1	1011.6	960.0
4608	-8.1	1011.6	1010.0	4609	-8.1	1011.6	1060.0	4610	763.9	1718.8	752.5
4611	763.9	1718.8	805.0	4612	763.9	1718.8	857.5	4613	763.9	1718.8	910.0
4614	763.9	1663.3	752.5	4615	763.9	1663.3	805.0	4616	763.9	1663.3	857.5
4617	763.9	1663.3	910.0	4618	763.9	1607.7	752.5	4619	763.9	1607.7	805.0
4620	763.9	1607.7	857.5	4621	763.9	1607.7	910.0	4622	763.9	1718.8	960.0
4623	763.9	1718.8	1010.0	4624	763.9	1718.8	1060.0	4625	763.9	1663.3	960.0
4626	763.9	1663.3	1010.0	4627	763.9	1663.3	1060.0	4628	763.9	1607.7	960.0
4629	763.9	1607.7	1010.0	4630	763.9	1607.7	1060.0	4631	763.9	1558.1	752.5
4632	763.9	1558.1	805.0	4633	763.9	1558.1	857.5	4634	763.9	1558.1	910.0
4635	763.9	1508.5	752.5	4636	763.9	1508.5	805.0	4637	763.9	1508.5	857.5
4638	763.9	1508.5	910.0	4639	763.9	1458.9	752.5	4640	763.9	1458.9	805.0
4641	763.9	1458.9	857.5	4642	763.9	1458.9	910.0	4643	763.9	1409.3	752.5
4644	763.9	1409.3	805.0	4645	763.9	1409.3	857.5	4646	763.9	1409.3	910.0
4647	763.9	1359.7	752.5	4648	763.9	1359.7	805.0	4649	763.9	1359.7	857.5
4650	763.9	1359.7	910.0	4651	763.9	1558.1	960.0	4652	763.9	1558.1	1010.0
4653	763.9	1558.1	1060.0	4654	763.9	1508.5	960.0	4655	763.9	1508.5	1010.0
4656	763.9	1508.5	1060.0	4657	763.9	1458.9	960.0	4658	763.9	1458.9	1010.0
4659	763.9	1458.9	1060.0	4660	763.9	1409.3	960.0	4661	763.9	1409.3	1010.0
4662	763.9	1409.3	1060.0	4663	763.9	1359.7	960.0	4664	763.9	1359.7	1010.0
4665	763.9	1359.7	1060.0	4666	763.9	1303.4	752.5	4667	763.9	1303.4	805.0
4668	763.9	1303.4	857.5	4669	763.9	1303.4	910.0	4670	763.9	1247.1	752.5
4671	763.9	1247.1	805.0	4672	763.9	1247.1	857.5	4673	763.9	1247.1	910.0
4674	763.9	1190.8	752.5	4675	763.9	1190.8	805.0	4676	763.9	1190.8	857.5
4677	763.9	1190.8	910.0	4678	763.9	1134.5	752.5	4679	763.9	1134.5	805.0
4680	763.9	1134.5	857.5	4681	763.9	1134.5	910.0	4682	763.9	1078.2	752.5
4683	763.9	1078.2	805.0	4684	763.9	1078.2	857.5	4685	763.9	1078.2	910.0
4686	763.9	1021.9	752.5	4687	763.9	1021.9	805.0	4688	763.9	1021.9	857.5
4689	763.9	1021.9	910.0	4690	763.9	1303.4	960.0	4691	763.9	1303.4	1010.0
4692	763.9	1303.4	1060.0	4693	763.9	1247.1	960.0	4694	763.9	1247.1	1010.0
4695	763.9	1247.1	1060.0	4696	763.9	1190.8	960.0	4697	763.9	1190.8	1010.0
4698	763.9	1190.8	1060.0	4699	763.9	1134.5	960.0	4700	763.9	1134.5	1010.0
4701	763.9	1134.5	1060.0	4702	763.9	1078.2	960.0	4703	763.9	1078.2	1010.0
4704	763.9	1078.2	1060.0	4705	763.9	1021.9	960.0	4706	763.9	1021.9	1010.0
4707	763.9	1021.9	1060.0	4708	763.9	602.9	752.5	4709	763.9	602.9	805.0
4710	763.9	602.9	857.5	4711	763.9	602.9	910.0	4712	763.9	551.4	752.5
4713	763.9	551.4	805.0	4714	763.9	551.4	857.5	4715	763.9	551.4	910.0
4716	763.9	499.9	752.5	4717	763.9	499.9	805.0	4718	763.9	499.9	857.5
4719	763.9	499.9	910.0	4720	763.9	448.4	752.5	4721	763.9	448.4	805.0
4722	763.9	448.4	857.5	4723	763.9	448.4	910.0	4724	763.9	396.9	752.5
4725	763.9	396.9	805.0	4726	763.9	396.9	857.5	4727	763.9	396.9	910.0
4728	763.9	602.9	960.0	4729	763.9	602.9	1010.0	4730	763.9	602.9	1060.0
4731	763.9	551.4	960.0	4732	763.9	551.4	1010.0	4733	763.9	551.4	1060.0
4734	763.9	499.9	960.0	4735	763.9	499.9	1010.0	4736	763.9	499.9	1060.0
4737	763.9	448.4	960.0	4738	763.9	448.4	1010.0	4739	763.9	448.4	1060.0
4740	763.9	396.9	960.0	4741	763.9	396.9	1010.0	4742	763.9	396.9	1060.0
4743	763.9	343.3	752.5	4744	763.9	343.3	805.0	4745	763.9	343.3	857.5
4746	763.9	343.3	910.0	4747	763.9	289.6	752.5	4748	763.9	289.6	805.0
4749	763.9	289.6	857.5	4750	763.9	289.6	910.0	4751	763.9	236.0	752.5
4752	763.9	236.0	805.0	4753	763.9	236.0	857.5	4754	763.9	236.0	910.0
4755	763.9	182.3	752.5	4756	763.9	182.3	805.0	4757	763.9	182.3	857.5
4758	763.9	182.3	910.0	4759	763.9	128.7	752.5	4760	763.9	128.7	805.0
4761	763.9	128.7	857.5	4762	763.9	128.7	910.0	4763	763.9	75.1	752.5
4764	763.9	75.1	805.0	4765	763.9	75.1	857.5	4766	763.9	75.1	910.0
4767	763.9	21.4	752.5	4768	763.9	21.4	805.0	4769	763.9	21.4	857.5
4770	763.9	21.4	910.0	4771	763.9	343.3	960.0	4772	763.9	343.3	1010.0
4773	763.9	343.3	1060.0	4774	763.9	289.6	960.0	4775	763.9	289.6	1010.0
4776	763.9	289.6	1060.0	4777	763.9	236.0	960.0	4778	763.9	236.0	1010.0
4779	763.9	236.0	1060.0	4780	763.9	182.3	960.0	4781	763.9	182.3	1010.0
4782	763.9	182.3	1060.0	4783	763.9	128.7	960.0	4784	763.9	128.7	1010.0
4785	763.9	128.7	1060.0	4786	763.9	75.1	960.0	4787	763.9	75.1	1010.0
4788	763.9	75.1	1060.0	4789	763.9	21.4	960.0	4790	763.9	21.4	1010.0
4791	763.9	21.4	1060.0	4792	763.9	-34.3	752.5	4793	763.9	-34.3	805.0

4794	763.9	-34.3	857.5	4795	763.9	-34.3	910.0	4796	763.9	-89.9	752.5
4797	763.9	-89.9	805.0	4798	763.9	-89.9	857.5	4799	763.9	-89.9	910.0
4800	763.9	-145.6	752.5	4801	763.9	-145.6	805.0	4802	763.9	-145.6	857.5
4803	763.9	-145.6	910.0	4804	763.9	-34.3	960.0	4805	763.9	-34.3	1010.0
4806	763.9	-34.3	1060.0	4807	763.9	-89.9	960.0	4808	763.9	-89.9	1010.0
4809	763.9	-89.9	1060.0	4810	763.9	-145.6	960.0	4811	763.9	-145.6	1010.0
4812	763.9	-145.6	1060.0	4813	1543.9	1718.8	752.5	4814	1543.9	1718.8	805.0
4815	1543.9	1718.8	857.5	4816	1543.9	1718.8	910.0	4817	1543.9	1663.3	752.5
4818	1543.9	1663.3	805.0	4819	1543.9	1663.3	857.5	4820	1543.9	1663.3	910.0
4821	1543.9	1607.7	752.5	4822	1543.9	1607.7	805.0	4823	1543.9	1607.7	857.5
4824	1543.9	1607.7	910.0	4825	1543.9	1718.8	960.0	4826	1543.9	1718.8	1010.0
4827	1543.9	1718.8	1060.0	4828	1543.9	1663.3	960.0	4829	1543.9	1663.3	1010.0
4830	1543.9	1663.3	1060.0	4831	1543.9	1607.7	960.0	4832	1543.9	1607.7	1010.0
4833	1543.9	1607.7	1060.0	4834	1543.9	1558.1	752.5	4835	1543.9	1558.1	805.0
4836	1543.9	1558.1	857.5	4837	1543.9	1558.1	910.0	4838	1543.9	1508.5	752.5
4839	1543.9	1508.5	805.0	4840	1543.9	1508.5	857.5	4841	1543.9	1508.5	910.0
4842	1543.9	1458.9	752.5	4843	1543.9	1458.9	805.0	4844	1543.9	1458.9	857.5
4845	1543.9	1458.9	910.0	4846	1543.9	1409.3	752.5	4847	1543.9	1409.3	805.0
4848	1543.9	1409.3	857.5	4849	1543.9	1409.3	910.0	4850	1543.9	1359.7	752.5
4851	1543.9	1359.7	805.0	4852	1543.9	1359.7	857.5	4853	1543.9	1359.7	910.0
4854	1543.9	1558.1	960.0	4855	1543.9	1558.1	1010.0	4856	1543.9	1558.1	1060.0
4857	1543.9	1508.5	960.0	4858	1543.9	1508.5	1010.0	4859	1543.9	1508.5	1060.0
4860	1543.9	1458.9	960.0	4861	1543.9	1458.9	1010.0	4862	1543.9	1458.9	1060.0
4863	1543.9	1409.3	960.0	4864	1543.9	1409.3	1010.0	4865	1543.9	1409.3	1060.0
4866	1543.9	1359.7	960.0	4867	1543.9	1359.7	1010.0	4868	1543.9	1359.7	1060.0
4869	1543.9	1303.4	752.5	4870	1543.9	1303.4	805.0	4871	1543.9	1303.4	857.5
4872	1543.9	1303.4	910.0	4873	1543.9	1247.1	752.5	4874	1543.9	1247.1	805.0
4875	1543.9	1247.1	857.5	4876	1543.9	1247.1	910.0	4877	1543.9	1190.8	752.5
4878	1543.9	1190.8	805.0	4879	1543.9	1190.8	857.5	4880	1543.9	1190.8	910.0
4881	1543.9	1134.5	752.5	4882	1543.9	1134.5	805.0	4883	1543.9	1134.5	857.5
4884	1543.9	1134.5	910.0	4885	1543.9	1078.2	752.5	4886	1543.9	1078.2	805.0
4887	1543.9	1078.2	857.5	4888	1543.9	1078.2	910.0	4889	1543.9	1021.9	752.5
4890	1543.9	1021.9	805.0	4891	1543.9	1021.9	857.5	4892	1543.9	1021.9	910.0
4893	1543.9	1303.4	960.0	4894	1543.9	1303.4	1010.0	4895	1543.9	1303.4	1060.0
4896	1543.9	1247.1	960.0	4897	1543.9	1247.1	1010.0	4898	1543.9	1247.1	1060.0
4899	1543.9	1190.8	960.0	4900	1543.9	1190.8	1010.0	4901	1543.9	1190.8	1060.0
4902	1543.9	1134.5	960.0	4903	1543.9	1134.5	1010.0	4904	1543.9	1134.5	1060.0
4905	1543.9	1078.2	960.0	4906	1543.9	1078.2	1010.0	4907	1543.9	1078.2	1060.0
4908	1543.9	1021.9	960.0	4909	1543.9	1021.9	1010.0	4910	1543.9	1021.9	1060.0
4911	1543.9	602.5	752.5	4912	1543.9	602.5	805.0	4913	1543.9	602.5	857.5
4914	1543.9	602.5	910.0	4915	1543.9	551.1	752.5	4916	1543.9	551.1	805.0
4917	1543.9	551.1	857.5	4918	1543.9	551.1	910.0	4919	1543.9	499.7	752.5
4920	1543.9	499.7	805.0	4921	1543.9	499.7	857.5	4922	1543.9	499.7	910.0
4923	1543.9	448.3	752.5	4924	1543.9	448.3	805.0	4925	1543.9	448.3	857.5
4926	1543.9	448.3	910.0	4927	1543.9	396.9	752.5	4928	1543.9	396.9	805.0
4929	1543.9	396.9	857.5	4930	1543.9	396.9	910.0	4931	1543.9	602.5	960.0
4932	1543.9	602.5	1010.0	4933	1543.9	602.5	1060.0	4934	1543.9	551.1	960.0
4935	1543.9	551.1	1010.0	4936	1543.9	551.1	1060.0	4937	1543.9	499.7	960.0
4938	1543.9	499.7	1010.0	4939	1543.9	499.7	1060.0	4940	1543.9	448.3	960.0
4941	1543.9	448.3	1010.0	4942	1543.9	448.3	1060.0	4943	1543.9	396.9	960.0
4944	1543.9	396.9	1010.0	4945	1543.9	396.9	1060.0	4946	1543.9	343.3	752.5
4947	1543.9	343.3	805.0	4948	1543.9	343.3	857.5	4949	1543.9	343.3	910.0
4950	1543.9	289.6	752.5	4951	1543.9	289.6	805.0	4952	1543.9	289.6	857.5
4953	1543.9	289.6	910.0	4954	1543.9	236.0	752.5	4955	1543.9	236.0	805.0
4956	1543.9	236.0	857.5	4957	1543.9	236.0	910.0	4958	1543.9	182.3	752.5
4959	1543.9	182.3	805.0	4960	1543.9	182.3	857.5	4961	1543.9	182.3	910.0
4962	1543.9	128.7	752.5	4963	1543.9	128.7	805.0	4964	1543.9	128.7	857.5
4965	1543.9	128.7	910.0	4966	1543.9	75.1	752.5	4967	1543.9	75.1	805.0
4968	1543.9	75.1	857.5	4969	1543.9	75.1	910.0	4970	1543.9	21.4	752.5
4971	1543.9	21.4	805.0	4972	1543.9	21.4	857.5	4973	1543.9	21.4	910.0
4974	1543.9	343.3	960.0	4975	1543.9	343.3	1010.0	4976	1543.9	343.3	1060.0
4977	1543.9	289.6	960.0	4978	1543.9	289.6	1010.0	4979	1543.9	289.6	1060.0
4980	1543.9	236.0	960.0	4981	1543.9	236.0	1010.0	4982	1543.9	236.0	1060.0
4983	1543.9	182.3	960.0	4984	1543.9	182.3	1010.0	4985	1543.9	182.3	1060.0
4986	1543.9	128.7	960.0	4987	1543.9	128.7	1010.0	4988	1543.9	128.7	1060.0
4989	1543.9	75.1	960.0	4990	1543.9	75.1	1010.0	4991	1543.9	75.1	1060.0
4992	1543.9	21.4	960.0	4993	1543.9	21.4	1010.0	4994	1543.9	21.4	1060.0
4995	1543.9	-34.3	752.5	4996	1543.9	-34.3	805.0	4997	1543.9	-34.3	857.5
4998	1543.9	-34.3	910.0	4999	1543.9	-89.9	752.5	5000	1543.9	-89.9	805.0
5001	1543.9	-89.9	857.5	5002	1543.9	-89.9	910.0	5003	1543.9	-145.6	752.5
5004	1543.9	-145.6	805.0	5005	1543.9	-145.6	857.5	5006	1543.9	-145.6	910.0
5007	1543.9	-34.3	960.0	5008	1543.9	-34.3	1010.0	5009	1543.9	-34.3	1060.0
5010	1543.9	-89.9	960.0	5011	1543.9	-89.9	1010.0	5012	1543.9	-89.9	1060.0
5013	1543.9	-145.6	960.0	5014	1543.9	-145.6	1010.0	5015	1543.9	-145.6	1060.0
5016	-8.1	602.5	752.5	5017	-8.1	602.5	805.0	5018	-8.1	602.5	857.5

5019	-8.1	602.5	910.0	5020	-8.1	551.1	752.5	5021	-8.1	551.1	805.0
5022	-8.1	551.1	857.5	5023	-8.1	551.1	910.0	5024	-8.1	499.7	752.5
5025	-8.1	499.7	805.0	5026	-8.1	499.7	857.5	5027	-8.1	499.7	910.0
5028	-8.1	448.3	752.5	5029	-8.1	448.3	805.0	5030	-8.1	448.3	857.5
5031	-8.1	448.3	910.0	5032	-8.1	396.9	752.5	5033	-8.1	396.9	805.0
5034	-8.1	396.9	857.5	5035	-8.1	396.9	910.0	5036	-8.1	602.5	960.0
5037	-8.1	602.5	1010.0	5038	-8.1	602.5	1060.0	5039	-8.1	551.1	960.0
5040	-8.1	551.1	1010.0	5041	-8.1	551.1	1060.0	5042	-8.1	499.7	960.0
5043	-8.1	499.7	1010.0	5044	-8.1	499.7	1060.0	5045	-8.1	448.3	960.0
5046	-8.1	448.3	1010.0	5047	-8.1	448.3	1060.0	5048	-8.1	396.9	960.0
5049	-8.1	396.9	1010.0	5050	-8.1	396.9	1060.0	5051	-8.1	343.3	752.5
5052	-8.1	343.3	805.0	5053	-8.1	343.3	857.5	5054	-8.1	343.3	910.0
5055	-8.1	289.6	752.5	5056	-8.1	289.6	805.0	5057	-8.1	289.6	857.5
5058	-8.1	289.6	910.0	5059	-8.1	236.0	752.5	5060	-8.1	236.0	805.0
5061	-8.1	236.0	857.5	5062	-8.1	236.0	910.0	5063	-8.1	182.3	752.5
5064	-8.1	182.3	805.0	5065	-8.1	182.3	857.5	5066	-8.1	182.3	910.0
5067	-8.1	128.7	752.5	5068	-8.1	128.7	805.0	5069	-8.1	128.7	857.5
5070	-8.1	128.7	910.0	5071	-8.1	75.1	752.5	5072	-8.1	75.1	805.0
5073	-8.1	75.1	857.5	5074	-8.1	75.1	910.0	5075	-8.1	21.4	752.5
5076	-8.1	21.4	805.0	5077	-8.1	21.4	857.5	5078	-8.1	21.4	910.0
5079	-8.1	343.3	960.0	5080	-8.1	343.3	1010.0	5081	-8.1	343.3	1060.0
5082	-8.1	289.6	960.0	5083	-8.1	289.6	1010.0	5084	-8.1	289.6	1060.0
5085	-8.1	236.0	960.0	5086	-8.1	236.0	1010.0	5087	-8.1	236.0	1060.0
5088	-8.1	182.3	960.0	5089	-8.1	182.3	1010.0	5090	-8.1	182.3	1060.0
5091	-8.1	128.7	960.0	5092	-8.1	128.7	1010.0	5093	-8.1	128.7	1060.0
5094	-8.1	75.1	960.0	5095	-8.1	75.1	1010.0	5096	-8.1	75.1	1060.0
5097	-8.1	21.4	960.0	5098	-8.1	21.4	1010.0	5099	-8.1	21.4	1060.0
5100	-8.1	-34.3	752.5	5101	-8.1	-34.3	805.0	5102	-8.1	-34.3	857.5
5103	-8.1	-34.3	910.0	5104	-8.1	-89.9	752.5	5105	-8.1	-89.9	805.0
5106	-8.1	-89.9	857.5	5107	-8.1	-89.9	910.0	5108	-8.1	-145.6	752.5
5109	-8.1	-145.6	805.0	5110	-8.1	-145.6	857.5	5111	-8.1	-145.6	910.0
5112	-8.1	-34.3	960.0	5113	-8.1	-34.3	1010.0	5114	-8.1	-34.3	1060.0
5115	-8.1	-89.9	960.0	5116	-8.1	-89.9	1010.0	5117	-8.1	-89.9	1060.0
5118	-8.1	-145.6	960.0	5119	-8.1	-145.6	1010.0	5120	-8.1	-145.6	1060.0
5121	2083.9	-145.6	392.5	5122	2143.9	-145.6	340.0	5123	2143.9	-145.6	392.5
5124	47.9	-145.6	910.0	5125	2023.9	-145.6	445.0	5126	2083.9	-145.6	445.0
5127	2143.9	-145.6	445.0	5128	103.9	-145.6	910.0	5129	47.9	-145.6	960.0
5130	47.9	-145.6	1010.0	5131	47.9	-145.6	1060.0	5132	103.9	-145.6	960.0
5133	103.9	-145.6	1010.0	5134	103.9	-145.6	1060.0	5135	343.9	-145.6	752.5
5136	373.9	-145.6	752.5	5137	343.9	-145.6	805.0	5138	373.9	-145.6	805.0
5139	343.9	-145.6	857.5	5140	373.9	-145.6	857.5	5141	343.9	-145.6	910.0
5142	373.9	-145.6	910.0	5143	403.9	-145.6	752.5	5144	403.9	-145.6	805.0
5145	403.9	-145.6	857.5	5146	403.9	-145.6	910.0	5147	343.9	-145.6	960.0
5148	373.9	-145.6	960.0	5149	343.9	-145.6	1010.0	5150	373.9	-145.6	1010.0
5151	343.9	-145.6	1060.0	5152	373.9	-145.6	1060.0	5153	403.9	-145.6	960.0
5154	403.9	-145.6	1010.0	5155	403.9	-145.6	1060.0	5156	643.9	-145.6	752.5
5157	683.9	-145.6	752.5	5158	643.9	-145.6	805.0	5159	683.9	-145.6	805.0
5160	643.9	-145.6	857.5	5161	683.9	-145.6	857.5	5162	643.9	-145.6	910.0
5163	683.9	-145.6	910.0	5164	723.9	-145.6	752.5	5165	723.9	-145.6	805.0
5166	723.9	-145.6	857.5	5167	723.9	-145.6	910.0	5168	643.9	-145.6	960.0
5169	683.9	-145.6	960.0	5170	643.9	-145.6	1010.0	5171	683.9	-145.6	1010.0
5172	643.9	-145.6	1060.0	5173	683.9	-145.6	1060.0	5174	723.9	-145.6	960.0
5175	723.9	-145.6	1010.0	5176	723.9	-145.6	1060.0	5177	283.9	-145.6	960.0
5178	163.9	-145.6	1010.0	5179	223.9	-145.6	1010.0	5180	803.9	-145.6	910.0
5181	283.9	-145.6	1010.0	5182	943.9	-145.6	910.0	5183	1723.9	-145.6	910.0
5184	843.9	-145.6	910.0	5185	1783.9	-145.6	910.0	5186	1843.9	-145.6	910.0
5187	1003.9	-145.6	910.0	5188	883.9	-145.6	910.0	5189	803.9	-145.6	960.0
5190	803.9	-145.6	1010.0	5191	803.9	-145.6	1060.0	5192	843.9	-145.6	960.0
5193	843.9	-145.6	1010.0	5194	843.9	-145.6	1060.0	5195	883.9	-145.6	960.0
5196	883.9	-145.6	1010.0	5197	883.9	-145.6	1060.0	5198	1123.9	-145.6	752.5
5199	1153.9	-145.6	752.5	5200	1123.9	-145.6	805.0	5201	1153.9	-145.6	805.0
5202	1123.9	-145.6	857.5	5203	1153.9	-145.6	857.5	5204	1123.9	-145.6	910.0
5205	1153.9	-145.6	910.0	5206	1183.9	-145.6	752.5	5207	1183.9	-145.6	805.0
5208	1183.9	-145.6	857.5	5209	1183.9	-145.6	910.0	5210	1123.9	-145.6	960.0
5211	1153.9	-145.6	960.0	5212	1123.9	-145.6	1010.0	5213	1153.9	-145.6	1010.0
5214	1123.9	-145.6	1060.0	5215	1153.9	-145.6	1060.0	5216	1183.9	-145.6	960.0
5217	1183.9	-145.6	1010.0	5218	1183.9	-145.6	1060.0	5219	1423.9	-145.6	752.5
5220	1463.9	-145.6	752.5	5221	1423.9	-145.6	805.0	5222	1463.9	-145.6	805.0
5223	1423.9	-145.6	857.5	5224	1463.9	-145.6	857.5	5225	1423.9	-145.6	910.0
5226	1463.9	-145.6	910.0	5227	1503.9	-145.6	752.5	5228	1503.9	-145.6	805.0
5229	1503.9	-145.6	857.5	5230	1503.9	-145.6	910.0	5231	1423.9	-145.6	960.0
5232	1463.9	-145.6	960.0	5233	1423.9	-145.6	1010.0	5234	1463.9	-145.6	1010.0
5235	1423.9	-145.6	1060.0	5236	1463.9	-145.6	1060.0	5237	1503.9	-145.6	960.0
5238	1503.9	-145.6	1010.0	5239	1503.9	-145.6	1060.0	5240	1063.9	-145.6	910.0
5241	163.9	-145.6	1060.0	5242	943.9	-145.6	960.0	5243	1583.9	-145.6	910.0

5244	1003.9	-145.6	960.0	5245	1063.9	-145.6	960.0	5246	943.9	-145.6	1010.0
5247	1623.9	-145.6	910.0	5248	1003.9	-145.6	1010.0	5249	1063.9	-145.6	1010.0
5250	943.9	-145.6	1060.0	5251	1663.9	-145.6	910.0	5252	1583.9	-145.6	960.0
5253	1583.9	-145.6	1010.0	5254	1583.9	-145.6	1060.0	5255	1623.9	-145.6	960.0
5256	1623.9	-145.6	1010.0	5257	1623.9	-145.6	1060.0	5258	1663.9	-145.6	960.0
5259	1663.9	-145.6	1010.0	5260	1663.9	-145.6	1060.0	5261	1903.9	-145.6	752.5
5262	1933.9	-145.6	752.5	5263	1903.9	-145.6	805.0	5264	1933.9	-145.6	805.0
5265	1903.9	-145.6	857.5	5266	1933.9	-145.6	857.5	5267	1903.9	-145.6	910.0
5268	1933.9	-145.6	910.0	5269	1963.9	-145.6	752.5	5270	1963.9	-145.6	805.0
5271	1963.9	-145.6	857.5	5272	1963.9	-145.6	910.0	5273	1903.9	-145.6	960.0
5274	1933.9	-145.6	960.0	5275	1903.9	-145.6	1010.0	5276	1933.9	-145.6	1010.0
5277	1903.9	-145.6	1060.0	5278	1933.9	-145.6	1060.0	5279	1963.9	-145.6	960.0
5280	1963.9	-145.6	1010.0	5281	1963.9	-145.6	1060.0	5282	2203.9	-145.6	752.5
5283	2259.9	-145.6	752.5	5284	2203.9	-145.6	805.0	5285	2259.9	-145.6	805.0
5286	2203.9	-145.6	857.5	5287	2259.9	-145.6	857.5	5288	2203.9	-145.6	910.0
5289	2259.9	-145.6	910.0	5290	2315.9	-145.6	752.5	5291	2315.9	-145.6	805.0
5292	2315.9	-145.6	857.5	5293	2315.9	-145.6	910.0	5294	2203.9	-145.6	960.0
5295	2259.9	-145.6	960.0	5296	2203.9	-145.6	1010.0	5297	2259.9	-145.6	1010.0
5298	2203.9	-145.6	1060.0	5299	2259.9	-145.6	1060.0	5300	2315.9	-145.6	960.0
5301	2315.9	-145.6	1010.0	5302	2315.9	-145.6	1060.0	5303	2315.9	-89.9	752.5
5304	2315.9	-89.9	805.0	5305	2315.9	-89.9	857.5	5306	2315.9	-89.9	910.0
5307	2315.9	-34.3	752.5	5308	2315.9	-34.3	805.0	5309	2315.9	-34.3	857.5
5310	2315.9	-34.3	910.0	5311	2315.9	21.4	752.5	5312	2315.9	21.4	805.0
5313	2315.9	21.4	857.5	5314	2315.9	21.4	910.0	5315	2315.9	-89.9	960.0
5316	2315.9	-89.9	1010.0	5317	2315.9	-89.9	1060.0	5318	2315.9	-34.3	960.0
5319	2315.9	-34.3	1010.0	5320	2315.9	-34.3	1060.0	5321	2315.9	21.4	960.0
5322	2315.9	21.4	1010.0	5323	2315.9	21.4	1060.0	5324	2315.9	75.1	752.5
5325	2315.9	75.1	805.0	5326	2315.9	75.1	857.5	5327	2315.9	75.1	910.0
5328	2315.9	128.7	752.5	5329	2315.9	128.7	805.0	5330	2315.9	128.7	857.5
5331	2315.9	128.7	910.0	5332	2315.9	182.3	752.5	5333	2315.9	182.3	805.0
5334	2315.9	182.3	857.5	5335	2315.9	182.3	910.0	5336	2315.9	236.0	752.5
5337	2315.9	236.0	805.0	5338	2315.9	236.0	857.5	5339	2315.9	236.0	910.0
5340	2315.9	289.6	752.5	5341	2315.9	289.6	805.0	5342	2315.9	289.6	857.5
5343	2315.9	289.6	910.0	5344	2315.9	343.3	752.5	5345	2315.9	343.3	805.0
5346	2315.9	343.3	857.5	5347	2315.9	343.3	910.0	5348	2315.9	396.9	752.5
5349	2315.9	396.9	805.0	5350	2315.9	396.9	857.5	5351	2315.9	396.9	910.0
5352	2315.9	75.1	960.0	5353	2315.9	75.1	1010.0	5354	2315.9	75.1	1060.0
5355	2315.9	128.7	960.0	5356	2315.9	128.7	1010.0	5357	2315.9	128.7	1060.0
5358	2315.9	182.3	960.0	5359	2315.9	182.3	1010.0	5360	2315.9	182.3	1060.0
5361	2315.9	236.0	960.0	5362	2315.9	236.0	1010.0	5363	2315.9	236.0	1060.0
5364	2315.9	289.6	960.0	5365	2315.9	289.6	1010.0	5366	2315.9	289.6	1060.0
5367	2315.9	343.3	960.0	5368	2315.9	343.3	1010.0	5369	2315.9	343.3	1060.0
5370	2315.9	396.9	960.0	5371	2315.9	396.9	1010.0	5372	2315.9	396.9	1060.0
5373	2315.9	448.3	752.5	5374	2315.9	448.3	805.0	5375	2315.9	448.3	857.5
5376	2315.9	448.3	910.0	5377	373.9	21.4	296.7	5378	373.9	21.4	253.3
5379	373.9	21.4	210.0	5380	373.9	21.4	165.0	5381	373.9	21.4	120.0
5382	373.9	21.4	80.0	5383	373.9	21.4	40.0	5385	1933.9	21.4	210.0
5386	1933.9	21.4	253.3	5387	1153.9	21.4	296.7	5388	1153.9	21.4	40.0
5390	1153.9	21.4	80.0	5391	1153.9	21.4	120.0	5392	1153.9	21.4	165.0
5393	1153.9	21.4	210.0	5394	1153.9	21.4	253.3	5395	1933.9	21.4	296.7
5396	1933.9	21.4	40.0	5398	1933.9	21.4	80.0	5399	1933.9	21.4	120.0
5400	1933.9	21.4	165.0	5401	2023.9	1774.4	960.0	5402	2083.9	1774.4	960.0
5403	2143.9	1774.4	960.0	5404	2023.9	1774.4	1010.0	5405	2083.9	1774.4	1010.0
5406	2143.9	1774.4	1010.0	5407	2023.9	1774.4	1060.0	5408	2083.9	1774.4	1060.0
5409	2143.9	1774.4	1060.0	5410	1723.9	1774.4	960.0	5411	1783.9	1774.4	960.0
5412	1843.9	1774.4	960.0	5413	163.9	1774.4	910.0	5414	223.9	1774.4	910.0
5415	283.9	1774.4	910.0	5416	163.9	1774.4	960.0	5417	223.9	1774.4	960.0
5418	283.9	1774.4	960.0	5419	163.9	1774.4	1010.0	5420	223.9	1774.4	1010.0
5421	283.9	1774.4	1010.0	5422	163.9	1774.4	1060.0	5423	223.9	1774.4	1060.0
5424	283.9	1774.4	1060.0	5425	1723.9	1774.4	1010.0	5426	1783.9	1774.4	1010.0
5427	1843.9	1774.4	1010.0	5428	1723.9	1774.4	1060.0	5429	1783.9	1774.4	1060.0
5430	1843.9	1774.4	1060.0	5431	1783.9	1774.4	445.0	5432	1723.9	1774.4	445.0
5433	1843.9	-145.6	340.0	5434	1843.9	-145.6	392.5	5435	1723.9	-145.6	445.0
5436	1783.9	-145.6	445.0	5437	463.9	1774.4	910.0	5438	523.9	1774.4	910.0
5439	583.9	1774.4	910.0	5440	463.9	1774.4	960.0	5441	523.9	1774.4	960.0
5442	583.9	1774.4	960.0	5443	463.9	1774.4	1010.0	5444	523.9	1774.4	1010.0
5445	583.9	1774.4	1010.0	5446	463.9	1774.4	1060.0	5447	523.9	1774.4	1060.0
5448	583.9	1774.4	1060.0	5449	1843.9	-145.6	445.0	5450	1783.9	-145.6	960.0
5451	1843.9	-145.6	960.0	5452	1723.9	-145.6	1010.0	5453	1783.9	-145.6	1010.0
5454	1843.9	-145.6	1010.0	5455	1723.9	-145.6	1060.0	5456	1783.9	-145.6	1060.0
5457	163.9	-145.6	910.0	5458	163.9	1774.4	340.0	5459	163.9	1774.4	392.5
5460	223.9	1774.4	340.0	5461	223.9	1774.4	392.5	5462	283.9	1774.4	340.0
5463	283.9	1774.4	392.5	5464	163.9	1774.4	445.0	5465	223.9	1774.4	445.0
5466	283.9	1774.4	445.0	5467	223.9	-145.6	910.0	5468	283.9	-145.6	910.0
5469	1843.9	-145.6	1060.0	5470	463.9	1774.4	340.0	5471	463.9	1774.4	392.5

5472	523.9	1774.4	340.0	5473	523.9	1774.4	392.5	5474	583.9	1774.4	340.0
5475	583.9	1774.4	392.5	5476	463.9	1774.4	445.0	5477	523.9	1774.4	445.0
5478	583.9	1774.4	445.0	5479	1003.9	-145.6	1060.0	5480	1063.9	-145.6	1060.0
5481	463.9	-145.6	960.0	5482	523.9	-145.6	960.0	5483	583.9	-145.6	960.0
5484	463.9	-145.6	1010.0	5485	1243.9	-145.6	960.0	5486	1303.9	-145.6	960.0
5487	1363.9	-145.6	960.0	5488	1243.9	-145.6	1010.0	5489	1723.9	-145.6	910.0
5490	463.9	-145.6	910.0	5491	523.9	-145.6	910.0	5492	583.9	-145.6	910.0
5493	163.9	-145.6	340.0	5494	163.9	-145.6	392.5	5495	223.9	-145.6	340.0
5496	223.9	-145.6	392.5	5497	283.9	-145.6	340.0	5498	283.9	-145.6	392.5
5499	163.9	-145.6	445.0	5500	223.9	-145.6	445.0	5501	283.9	-145.6	445.0
5502	1783.9	-145.6	910.0	5503	943.9	1774.4	340.0	5504	943.9	1774.4	392.5
5505	1003.9	1774.4	340.0	5506	1003.9	1774.4	392.5	5507	1063.9	1774.4	340.0
5508	1063.9	1774.4	392.5	5509	943.9	1774.4	445.0	5510	1003.9	1774.4	445.0
5511	1063.9	1774.4	445.0	5512	1843.9	-145.6	910.0	5513	1303.9	-145.6	1010.0
5514	1363.9	-145.6	1010.0	5515	1243.9	-145.6	1060.0	5516	1303.9	-145.6	1060.0
5517	463.9	-145.6	340.0	5518	463.9	-145.6	392.5	5519	523.9	-145.6	340.0
5520	523.9	-145.6	392.5	5521	583.9	-145.6	340.0	5522	583.9	-145.6	392.5
5523	463.9	-145.6	445.0	5524	943.9	1774.4	910.0	5525	1003.9	1774.4	910.0
5526	1063.9	1774.4	910.0	5527	943.9	1774.4	960.0	5528	1003.9	1774.4	960.0
5529	1063.9	1774.4	960.0	5530	943.9	1774.4	1010.0	5531	1003.9	1774.4	1010.0
5532	1063.9	1774.4	1010.0	5533	943.9	1774.4	1060.0	5534	1003.9	1774.4	1060.0
5535	1063.9	1774.4	1060.0	5536	1243.9	1774.4	910.0	5537	1243.9	1774.4	960.0
5538	1303.9	1774.4	910.0	5539	1303.9	1774.4	960.0	5540	1363.9	1774.4	910.0
5541	1363.9	1774.4	960.0	5542	1243.9	1774.4	1010.0	5543	1303.9	1774.4	1010.0
5544	1363.9	1774.4	1010.0	5545	1243.9	1774.4	1060.0	5546	1303.9	1774.4	1060.0
5547	1363.9	1774.4	1060.0	5548	523.9	-145.6	445.0	5549	583.9	-145.6	445.0
5550	1363.9	-145.6	1060.0	5551	523.9	-145.6	1010.0	5552	583.9	-145.6	1010.0
5553	463.9	-145.6	1060.0	5554	523.9	-145.6	1060.0	5555	583.9	-145.6	1060.0
5556	943.9	-145.6	340.0	5557	943.9	-145.6	392.5	5558	1003.9	-145.6	340.0
5559	1003.9	-145.6	392.5	5560	1063.9	-145.6	340.0	5561	1063.9	-145.6	392.5
5562	943.9	-145.6	445.0	5563	1003.9	-145.6	445.0	5564	1063.9	-145.6	445.0
5565	163.9	-145.6	960.0	5566	223.9	-145.6	960.0	5567	2023.9	-145.6	910.0
5568	2083.9	-145.6	910.0	5569	1243.9	1774.4	340.0	5570	1243.9	1774.4	392.5
5571	1303.9	1774.4	340.0	5572	1303.9	1774.4	392.5	5573	1363.9	1774.4	340.0
5574	1363.9	1774.4	392.5	5575	1243.9	1774.4	445.0	5576	1303.9	1774.4	445.0
5577	1363.9	1774.4	445.0	5578	2143.9	-145.6	910.0	5579	2023.9	-145.6	340.0
5580	2023.9	-145.6	392.5	5581	2083.9	-145.6	340.0	5582	763.9	1303.4	296.7
5583	763.9	1303.4	253.3	5584	763.9	1303.4	210.0	5585	763.9	1303.4	157.5
5586	763.9	1303.4	105.0	5587	763.9	1303.4	52.5	5589	1543.9	1303.4	296.7
5590	1543.9	1303.4	253.3	5591	1543.9	1303.4	210.0	5592	1543.9	1303.4	157.5
5593	1543.9	1303.4	105.0	5594	1543.9	1303.4	52.5				

Nodo	X cm	Y cm	Z cm	Note	Rig. TX daN/cm	Rig. TY daN/cm	Rig. TZ daN/cm	Rig. RX daN cm/rad	Rig. RY daN cm/rad	Rig. RZ daN cm/rad
1	763.9	653.9	0.0	v=111000						
4	706.6	653.9	0.0	v=111000						
12	649.2	653.9	0.0	v=111000						
17	591.9	653.9	0.0	v=111000						
22	534.6	653.9	0.0	v=111000						
27	477.2	653.9	0.0	v=111000						
32	419.9	653.9	0.0	v=111000						
37	362.6	653.9	0.0	v=111000						
42	305.2	653.9	0.0	v=111000						
47	247.9	653.9	0.0	v=111000						
81	117.9	653.9	0.0	v=111000						
84	75.9	653.9	0.0	v=111000						
92	33.9	653.9	0.0	v=111000						
97	-8.1	653.9	0.0	v=111000						
121	-8.1	1607.7	0.0	v=111000						
124	-8.1	1548.1	0.0	v=111000						
132	-8.1	1488.5	0.0	v=111000						
137	-8.1	1428.9	0.0	v=111000						
142	-8.1	1369.3	0.0	v=111000						
147	-8.1	1309.6	0.0	v=111000						
152	-8.1	1250.0	0.0	v=111000						
157	-8.1	1190.4	0.0	v=111000						
162	-8.1	1130.8	0.0	v=111000						
167	-8.1	1071.2	0.0	v=111000						
172	-8.1	1011.6	0.0	v=111000						
177	-8.1	952.0	0.0	v=111000						
182	-8.1	892.4	0.0	v=111000						
187	-8.1	832.7	0.0	v=111000						
192	-8.1	773.1	0.0	v=111000						
197	-8.1	713.5	0.0	v=111000						

257	703.9	1607.7	0.0	v=111000
260	763.9	1607.7	0.0	v=111000
268	823.9	1607.7	0.0	v=111000
281	1483.9	1607.7	0.0	v=111000
284	1543.9	1607.7	0.0	v=111000
292	1603.9	1607.7	0.0	v=111000
308	2315.9	1607.7	0.0	v=111000
322	763.9	1558.1	0.0	v=111000
327	763.9	1508.5	0.0	v=111000
332	763.9	1458.9	0.0	v=111000
337	763.9	1409.3	0.0	v=111000
342	763.9	1359.7	0.0	v=111000
361	763.9	1021.9	0.0	v=111000
364	763.9	974.4	0.0	v=111000
372	763.9	916.8	0.0	v=111000
377	763.9	864.2	0.0	v=111000
382	763.9	811.6	0.0	v=111000
387	763.9	759.1	0.0	v=111000
392	763.9	706.5	0.0	v=111000
418	1543.9	1558.1	0.0	v=111000
423	1543.9	1508.5	0.0	v=111000
428	1543.9	1458.9	0.0	v=111000
433	1543.9	1409.3	0.0	v=111000
438	1543.9	1359.7	0.0	v=111000
457	1543.9	1021.9	0.0	v=111000
460	1543.9	974.4	0.0	v=111000
468	1543.9	916.8	0.0	v=111000
473	1543.9	864.2	0.0	v=111000
478	1543.9	811.6	0.0	v=111000
483	1543.9	759.1	0.0	v=111000
488	1543.9	706.5	0.0	v=111000
493	1543.9	653.9	0.0	v=111000
522	2315.9	1548.1	0.0	v=111000
527	2315.9	1488.5	0.0	v=111000
532	2315.9	1428.9	0.0	v=111000
537	2315.9	1369.3	0.0	v=111000
542	2315.9	1309.6	0.0	v=111000
547	2315.9	1250.0	0.0	v=111000
552	2315.9	1190.4	0.0	v=111000
557	2315.9	1130.8	0.0	v=111000
562	2315.9	1071.2	0.0	v=111000
567	2315.9	1011.6	0.0	v=111000
572	2315.9	952.0	0.0	v=111000
577	2315.9	892.4	0.0	v=111000
582	2315.9	832.7	0.0	v=111000
587	2315.9	773.1	0.0	v=111000
592	2315.9	713.5	0.0	v=111000
597	2315.9	653.9	0.0	v=111000
651	49.2	21.4	0.0	v=111000
657	106.6	21.4	0.0	v=111000
661	163.9	21.4	0.0	v=111000
665	-8.1	21.4	0.0	v=111000
682	343.9	21.4	0.0	v=111000
685	403.9	21.4	0.0	v=111000
714	2260.6	653.9	0.0	v=111000
719	2205.4	653.9	0.0	v=111000
724	2150.1	653.9	0.0	v=111000
729	2094.8	653.9	0.0	v=111000
734	2039.5	653.9	0.0	v=111000
739	1984.3	653.9	0.0	v=111000
744	1929.0	653.9	0.0	v=111000
749	1873.7	653.9	0.0	v=111000
754	1818.4	653.9	0.0	v=111000
759	1763.2	653.9	0.0	v=111000
764	1707.9	653.9	0.0	v=111000
801	1577.9	653.9	0.0	v=111000
818	1487.3	653.9	0.0	v=111000
823	1430.7	653.9	0.0	v=111000
828	1374.1	653.9	0.0	v=111000
833	1317.5	653.9	0.0	v=111000
838	1260.9	653.9	0.0	v=111000
843	1204.3	653.9	0.0	v=111000
848	1147.7	653.9	0.0	v=111000
853	1091.1	653.9	0.0	v=111000
858	1034.5	653.9	0.0	v=111000

863	977.9	653.9	0.0	v=111000
897	847.9	653.9	0.0	v=111000
900	805.9	653.9	0.0	v=111000
921	223.9	21.4	0.0	v=111000
923	1543.9	1303.4	0.0	v=111000
925	283.9	21.4	0.0	v=111000
937	-8.1	75.1	0.0	v=111000
941	-8.1	128.7	0.0	v=111000
945	-8.1	182.3	0.0	v=111000
949	-8.1	236.0	0.0	v=111000
953	-8.1	289.6	0.0	v=111000
957	-8.1	343.3	0.0	v=111000
961	-8.1	396.9	0.0	v=111000
1000	41.5	396.9	0.0	v=111000
1004	91.1	396.9	0.0	v=111000
1008	140.7	396.9	0.0	v=111000
1012	190.3	396.9	0.0	v=111000
1016	239.9	396.9	0.0	v=111000
1044	449.9	396.9	0.0	v=111000
1047	502.2	396.9	0.0	v=111000
1053	554.6	396.9	0.0	v=111000
1057	606.9	396.9	0.0	v=111000
1061	659.2	396.9	0.0	v=111000
1065	711.6	396.9	0.0	v=111000
1069	763.9	396.9	0.0	v=111000
1120	821.1	396.9	0.0	v=111000
1124	878.3	396.9	0.0	v=111000
1128	935.5	396.9	0.0	v=111000
1132	992.7	396.9	0.0	v=111000
1136	1049.9	396.9	0.0	v=111000
1164	1257.9	396.9	0.0	v=111000
1167	1315.1	396.9	0.0	v=111000
1173	1372.3	396.9	0.0	v=111000
1177	1429.5	396.9	0.0	v=111000
1181	1486.7	396.9	0.0	v=111000
1185	1543.9	396.9	0.0	v=111000
1231	1596.2	396.9	0.0	v=111000
1235	1648.6	396.9	0.0	v=111000
1239	1700.9	396.9	0.0	v=111000
1243	1753.2	396.9	0.0	v=111000
1247	1805.6	396.9	0.0	v=111000
1251	1857.9	396.9	0.0	v=111000
1284	2067.9	396.9	0.0	v=111000
1287	2117.5	396.9	0.0	v=111000
1293	2167.1	396.9	0.0	v=111000
1297	2216.7	396.9	0.0	v=111000
1301	2266.3	396.9	0.0	v=111000
1305	2315.9	396.9	0.0	v=111000
1351	763.9	343.3	0.0	v=111000
1355	763.9	289.6	0.0	v=111000
1359	763.9	236.0	0.0	v=111000
1363	763.9	182.3	0.0	v=111000
1367	763.9	128.7	0.0	v=111000
1371	763.9	75.1	0.0	v=111000
1375	763.9	21.4	0.0	v=111000
1414	1543.9	343.3	0.0	v=111000
1418	1543.9	289.6	0.0	v=111000
1422	1543.9	236.0	0.0	v=111000
1426	1543.9	182.3	0.0	v=111000
1430	1543.9	128.7	0.0	v=111000
1434	1543.9	75.1	0.0	v=111000
1438	1543.9	21.4	0.0	v=111000
1477	2315.9	343.3	0.0	v=111000
1481	2315.9	289.6	0.0	v=111000
1485	2315.9	236.0	0.0	v=111000
1489	2315.9	182.3	0.0	v=111000
1493	2315.9	128.7	0.0	v=111000
1497	2315.9	75.1	0.0	v=111000
1501	2315.9	21.4	0.0	v=111000
1540	703.9	21.4	0.0	v=111000
1544	643.9	21.4	0.0	v=111000
1548	583.9	21.4	0.0	v=111000
1567	538.9	21.4	0.0	v=111000
1571	493.9	21.4	0.0	v=111000
1575	448.9	21.4	0.0	v=111000

1591	823.9	21.4	0.0	v=111000
1595	883.9	21.4	0.0	v=111000
1599	943.9	21.4	0.0	v=111000
1617	1123.9	21.4	0.0	v=111000
1626	1183.9	21.4	0.0	v=111000
1645	1003.9	21.4	0.0	v=111000
1649	1063.9	21.4	0.0	v=111000
1661	1483.9	21.4	0.0	v=111000
1665	1423.9	21.4	0.0	v=111000
1669	1363.9	21.4	0.0	v=111000
1688	1318.9	21.4	0.0	v=111000
1690	763.9	1247.1	0.0	v=111000
1692	1273.9	21.4	0.0	v=111000
1696	1228.9	21.4	0.0	v=111000
1712	1603.9	21.4	0.0	v=111000
1716	1663.9	21.4	0.0	v=111000
1720	1723.9	21.4	0.0	v=111000
1738	1903.9	21.4	0.0	v=111000
1747	1963.9	21.4	0.0	v=111000
1766	1783.9	21.4	0.0	v=111000
1770	1843.9	21.4	0.0	v=111000
1782	2258.6	21.4	0.0	v=111000
1786	2201.2	21.4	0.0	v=111000
1790	2143.9	21.4	0.0	v=111000
1809	2098.9	21.4	0.0	v=111000
1813	2053.9	21.4	0.0	v=111000
1817	2008.9	21.4	0.0	v=111000
2931	-8.1	974.4	0.0	v=111000
2956	2315.9	974.4	0.0	v=111000
5384	373.9	21.4	0.0	v=111000
5389	1153.9	21.4	0.0	v=111000
5397	1933.9	21.4	0.0	v=111000
5588	763.9	1303.4	0.0	v=111000

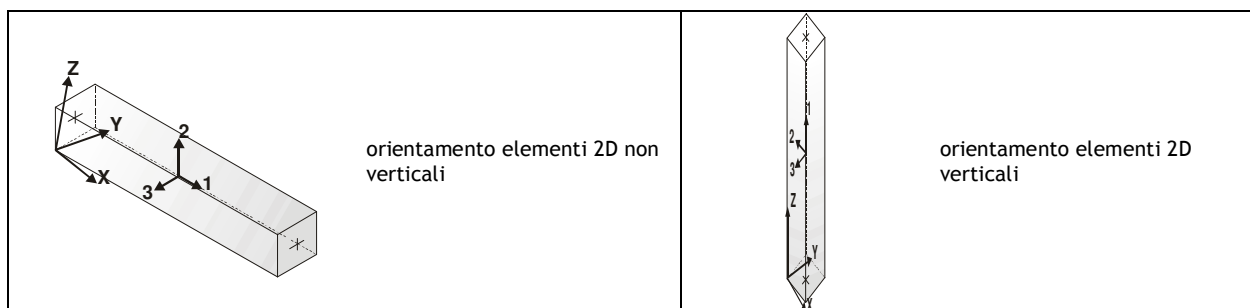
7 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

7.1 TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.

Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa,
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i

	restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Con riferimento al **Documento di Affidabilità** “Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST” - versione Settembre 2014, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
2	TRAVI A UNA CAMPATA
3	TRAVE A PIU' CAMPATE
4	TRAVE A UNA CAMPATA SU TERRENO ALLA WINKLER
5	TRAVI SU TERRENO ALLA WINKLER CON CARICO TRASVERSALE
6	TELAI PIANI CON CERNIERE ALLA BASE
7	TELAI PIANI CON INCASTRI ALLA BASE
11	STRUTTURE SOGGETTE A VARIAZIONI TERMICHE
12	STRUTTURE SU TERRENO ALLA WINKLER SOTTOPOSTE A CARICHI DISTRIBUITI TRIANGOLARI
21	DRILLING
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE
42	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
43	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
44	VERIFICA ALLE TA DI STRUTTURE IN C.A.
45	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
47	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
49	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
50	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
51	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
52	FATTORE DI STRUTTURA
53	SOVRARESISTENZE
54	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
56	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO - METODO OMEGA
57	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
58	LUCE LIBERA DI COLONNE IN ACCIAIO
59	SVERGOLAMENTO DI TRAVI IN ACCIAIO
64	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	VALUTAZIONE EFFETTO P- Δ SU PILASTRATA
74	VALUTAZIONE EFFETTO P- Δ SU TELAIO 3D
85	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
87	ANALISI ELASTO PLASTICA INCREMENTALE
88	ANALISI ELASTO PLASTICA INCREMENTALE
98	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
99	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
102	SNELLEZZE EC5
130	PROGETTO E VERIFICA DI TRAVI PREM

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	2726	2712	78	2					
2	Trave	2731	2726	78	2					
3	Trave	205	2731	78	2					
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO						PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE						PAG. 48 DI 2790				

4	Trave	206	205	78	2		
5	Trave	209	206	78	2		
6	Trave	212	209	78	2		
7	Trave	215	212	78	2		
8	Trave	2819	2645	78	2		
9	Trave	2824	2819	78	2		
10	Trave	277	2824	78	2		
11	Trave	689	980	78	2		
12	Trave	3349	689	78	2		
13	Trave	3354	3349	78	2		
14	Trave	3359	3354	78	2		
15	Trave	3044	2573	78	2		
16	Trave	3049	3044	78	2		
17	Trave	301	3049	78	2		
18	Trave	351	348	78	2		
19	Trave	354	351	78	2		
20	Trave	357	354	78	2		
21	Trave	360	357	78	2		
22	Trave	2499	2504	78	2		
23	Trave	2494	2499	78	2		
24	Trave	320	2494	78	2		
25	Trave	603	320	78	2		
26	Trave	606	603	78	2		
27	Trave	609	606	78	2		
28	Trave	612	609	78	2		
29	Trave	1526	1523	78	2		
30	Trave	1529	1526	78	2		
31	Trave	1532	1529	78	2		
32	Trave	1535	1532	78	2		
33	Trave	1538	1535	78	2		
34	Trave	3586	1538	78	2		
35	Trave	3581	3586	78	2		
36	Trave	3567	3581	78	2		
37	Trave	1463	1460	78	2		
38	Trave	1466	1463	78	2		
39	Trave	1469	1466	78	2		
40	Trave	1472	1469	78	2		
41	Trave	1475	1472	78	2		
42	Trave	3237	1475	78	2		
43	Trave	3242	3237	78	2		
44	Trave	3247	3242	78	2		
45	Trave	1400	1397	78	2		
46	Trave	1403	1400	78	2		
47	Trave	1406	1403	78	2		
48	Trave	1409	1406	78	2		
49	Trave	1412	1409	78	2		
50	Trave	3020	1412	78	2		
51	Trave	3025	3020	78	2		
52	Trave	3030	3025	78	2		
53	Trave	989	992	78	2		
54	Trave	986	989	78	2		
55	Trave	983	986	78	2		
56	Trave	980	983	78	2		
57	Trave	348	277	78	2		
58	Trave	444	301	78	2		
59	Trave	447	444	78	2		
60	Trave	450	447	78	2		
61	Trave	453	450	78	2		
62	Trave	456	453	78	2		
63	Trave	2712	2704	78	3	000001	
64	Trave	2704	2701	78	3		
65	Trave	2701	5458	78	3		
66	Trave	2688	2680	78	3		
67	Trave	2680	2677	78	3		
68	Trave	2677	5470	78	3		
69	Trave	2667	2662	78	3		
70	Trave	2662	2645	78	3		000001
71	Trave	2645	2640	78	3	000001	
72	Trave	2640	2632	78	3		
73	Trave	2632	2629	78	3		
74	Trave	2629	5503	78	3		
75	Trave	2616	2608	78	3		
76	Trave	2608	2605	78	3		
77	Trave	2605	5569	78	3		
78	Trave	2595	2590	78	3		

79	Trave	2590	2573	78	3		000001
80	Trave	2573	2568	78	3	000001	
81	Trave	2568	2560	78	3		
82	Trave	2560	2557	78	3		
83	Trave	2557	315	78	3		
84	Trave	2544	2536	78	3		
85	Trave	2536	2533	78	3		
86	Trave	2533	4343	78	3		
87	Trave	2523	2518	78	3		
88	Trave	2518	2504	78	3		000001
89	Trave	3359	3373	78	3	000001	
90	Trave	3373	3378	78	3		
91	Trave	3378	5493	78	3		
92	Trave	3388	3391	78	3		
93	Trave	3391	3399	78	3		
94	Trave	3399	5517	78	3		
95	Trave	3412	3415	78	3		
96	Trave	3415	3423	78	3		
97	Trave	3423	3030	78	3		000001
98	Trave	3030	3437	78	3	000001	
99	Trave	3437	3442	78	3		
100	Trave	3442	3447	78	3		
101	Trave	3447	5556	78	3		
102	Trave	3460	3463	78	3		
103	Trave	3463	3471	78	3		
104	Trave	3471	317	78	3		
105	Trave	3484	3487	78	3		
106	Trave	3487	3495	78	3		
107	Trave	3495	3247	78	3		000001
108	Trave	3247	3509	78	3	000001	
109	Trave	3509	3514	78	3		
110	Trave	3514	3519	78	3		
111	Trave	3519	4170	78	3		
112	Trave	3532	3535	78	3		
113	Trave	3535	3543	78	3		
114	Trave	3543	5579	78	3		
115	Trave	3556	3559	78	3		
116	Trave	3559	3567	78	3		000001
117	Trave	998	3276	78	2		
118	Trave	3276	3271	78	2		
119	Trave	3271	3266	78	2		
120	Trave	3266	3261	78	2		
121	Trave	3261	112	78	2		
122	Trave	1106	2944	78	2		
123	Trave	2944	2939	78	2		
124	Trave	2939	2934	78	2		
125	Trave	2934	2926	78	2		
126	Trave	2926	55	78	2		
127	Trave	1217	3164	78	2		
128	Trave	3164	3159	78	2		
129	Trave	3159	3154	78	2		
130	Trave	3154	3149	78	2		
131	Trave	3149	520	78	2		
132	Trave	1337	3653	78	2		
133	Trave	3653	3658	78	2		
134	Trave	3658	3663	78	2		
135	Trave	3663	3668	78	2		
136	Trave	3668	648	78	2		
137	Trave	2741	2724	78	2		
138	Trave	2744	2741	78	2		
139	Trave	2747	2744	78	2		
140	Trave	2790	2747	78	2		
141	Trave	2793	2790	78	2		
142	Trave	2796	2793	78	2		
143	Trave	2799	2796	78	2		
144	Trave	2834	2660	78	2		
145	Trave	2837	2834	78	2		
146	Trave	2840	2837	78	2		
147	Trave	3347	3344	78	2		
148	Trave	3365	3347	78	2		
149	Trave	3368	3365	78	2		
150	Trave	3371	3368	78	2		
151	Trave	3059	2588	78	2		
152	Trave	3062	3059	78	2		
153	Trave	3065	3062	78	2		

154	Trave	2866	2863	78	2
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156	Trave	2872	2869	78	2
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158	Trave	2513	2516	78	2
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160	Trave	2492	2510	78	2
161	Trave	2489	2492	78	2
162	Trave	2486	2489	78	2
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165	Trave	3642	3645	78	2
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173	Trave	3223	3220	78	2
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175	Trave	3229	3226	78	2
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177	Trave	3235	3232	78	2
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180	Trave	3259	3256	78	2
181	Trave	3006	3003	78	2
182	Trave	3009	3006	78	2
183	Trave	3012	3009	78	2
184	Trave	3015	3012	78	2
185	Trave	3018	3015	78	2
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187	Trave	3039	3036	78	2
188	Trave	3042	3039	78	2
189	Trave	3335	3332	78	2
190	Trave	3338	3335	78	2
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192	Trave	3344	3341	78	2
193	Trave	2863	2840	78	2
194	Trave	3088	3065	78	2
195	Trave	3091	3088	78	2
196	Trave	3094	3091	78	2
197	Trave	3097	3094	78	2
198	Trave	3100	3097	78	2
199	Trave	2724	2721	78	3
200	Trave	2721	2720	78	3
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202	Trave	2700	2697	78	3
203	Trave	2697	2696	78	3
204	Trave	5533	5534	78	3
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207	Trave	2660	2657	78	3
208	Trave	2657	2654	78	3
209	Trave	2654	2653	78	3
210	Trave	5507	2616	78	3
211	Trave	2628	2625	78	3
212	Trave	2625	2624	78	3
213	Trave	5573	2595	78	3
214	Trave	2604	2601	78	3
215	Trave	2601	2588	78	3
216	Trave	2588	2585	78	3
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218	Trave	2582	2581	78	3
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220	Trave	2556	2553	78	3
221	Trave	2553	2552	78	3
222	Trave	5428	5429	78	3
223	Trave	2532	2529	78	3
224	Trave	2529	2516	78	3
225	Trave	3371	3384	78	3
226	Trave	3384	3387	78	3
227	Trave	3387	3407	78	3
228	Trave	3407	3408	78	3

000001

000001

000001

000001

000001

000001

000001

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237	Trave	3459	3479	78	3		
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239	Trave	3480	3483	78	3		
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242	Trave	3504	3507	78	3		
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244	Trave	3259	3525	78	3	000001	
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247	Trave	3531	3551	78	3		
248	Trave	3551	3552	78	3		
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251	Trave	3575	3576	78	3		
252	Trave	3576	3579	78	3		000001
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255	Trave	2028	2359	78	2	000001	000001
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260	Trave	4582	4539	78	2		
261	Trave	4585	4582	78	2		
262	Trave	4588	4585	78	2		
263	Trave	4591	4588	78	2		
264	Trave	4624	4462	78	2		
265	Trave	4627	4624	78	2		
266	Trave	4630	4627	78	2		
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270	Trave	5120	5117	78	2		
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273	Trave	4833	4830	78	2		
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283	Trave	4306	4309	78	2		
284	Trave	4303	4306	78	2		
285	Trave	5363	5366	78	2		
286	Trave	5360	5363	78	2		
287	Trave	5357	5360	78	2		
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289	Trave	5323	5354	78	2		
290	Trave	5320	5323	78	2		
291	Trave	5317	5320	78	2		
292	Trave	5302	5317	78	2		
293	Trave	4982	4979	78	2		
294	Trave	4985	4982	78	2		
295	Trave	4988	4985	78	2		
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306	Trave	4806	4791	78	2		
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310	Trave	5090	5087	78	2		
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315	Trave	4859	4856	78	2		
316	Trave	4862	4859	78	2		
317	Trave	4865	4862	78	2		
318	Trave	4868	4865	78	2		
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325	Trave	4476	4473	78	3		
326	Trave	4473	4462	78	3		000001
327	Trave	4462	4459	78	3	000001	
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330	Trave	4455	5533	78	3		
331	Trave	4434	4431	78	3		
332	Trave	4431	4430	78	3		
333	Trave	4430	5545	78	3		
334	Trave	4413	4410	78	3		
335	Trave	4410	4399	78	3		000001
336	Trave	4399	4396	78	3	000001	
337	Trave	4396	4393	78	3		
338	Trave	4393	4392	78	3		
339	Trave	4392	5428	78	3		
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343	Trave	4350	4347	78	3		
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345	Trave	5120	5131	78	3	000001	
346	Trave	5131	5134	78	3		
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351	Trave	5172	5173	78	3		
352	Trave	5173	5176	78	3		
353	Trave	5176	4812	78	3		000001
354	Trave	4812	5191	78	3	000001	
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357	Trave	5197	5250	78	3		
358	Trave	5214	5215	78	3		
359	Trave	5215	5218	78	3		
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361	Trave	5235	5236	78	3		
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364	Trave	5015	5254	78	3	000001	
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381	Trave	642	639	78	2
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391	Trave	615	612	78	2
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400	Trave	502	501	78	2
401	Trave	501	3122	78	2
402	Trave	3122	3117	78	2
403	Trave	3117	3112	78	2
404	Trave	3112	3107	78	2
405	Trave	3107	3102	78	2
406	Trave	3102	456	78	2
407	Trave	2877	360	78	2
408	Trave	2882	2877	78	2
409	Trave	2887	2882	78	2
410	Trave	2892	2887	78	2
411	Trave	2897	2892	78	2
412	Trave	400	2897	78	2
413	Trave	401	400	78	2
414	Trave	404	401	78	2
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417	Trave	413	410	78	2
418	Trave	416	413	78	2
419	Trave	55	416	78	2
420	Trave	1394	1106	78	2
421	Trave	1397	1394	78	2
422	Trave	992	995	78	2
423	Trave	995	998	78	2
424	Trave	112	248	78	2
425	Trave	248	245	78	2
426	Trave	245	242	78	2
427	Trave	242	239	78	2
428	Trave	239	236	78	2
429	Trave	236	2136	78	2
430	Trave	2136	233	78	2
431	Trave	233	230	78	2
432	Trave	230	227	78	2
433	Trave	227	224	78	2
434	Trave	224	221	78	2
435	Trave	221	218	78	2
436	Trave	218	215	78	2
437	Trave	5460	5462	78	3
438	Trave	5472	5474	78	3
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442	Trave	4401	4404	78	3
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444	Trave	5424	4497	78	3
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449	Trave	5423	5424	78	3
450	Trave	5447	5448	78	3
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452	Trave	5546	5547	78	3
453	Trave	5429	5430	78	3

454	Trave	5408	5409	78	3		
455	Trave	4404	2523	78	3		
456	Trave	4343	4401	78	3		
457	Trave	315	311	78	3		
458	Trave	306	2544	78	3		
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460	Trave	5470	5472	78	3		
461	Trave	5503	5505	78	3		
462	Trave	5569	5571	78	3		
463	Trave	5430	4371	78	3		
464	Trave	5448	4476	78	3		
465	Trave	5474	2667	78	3		
466	Trave	2696	2676	78	3		
467	Trave	2653	2628	78	3		
468	Trave	2624	2604	78	3		
469	Trave	5422	5423	78	3		
470	Trave	5446	5447	78	3		
471	Trave	2581	2556	78	3		
472	Trave	2552	2532	78	3		
473	Trave	5493	5495	78	3		
474	Trave	5517	5519	78	3		
475	Trave	5556	5558	78	3		
476	Trave	317	251	78	3		
477	Trave	4170	4172	78	3		
478	Trave	5579	5581	78	3		
479	Trave	5241	2338	78	3		
480	Trave	5553	5554	78	3		
481	Trave	5250	5479	78	3		
482	Trave	5515	5516	78	3		
483	Trave	5455	5456	78	3		
484	Trave	2342	2343	78	3		
485	Trave	5495	5497	78	3		
486	Trave	5519	5521	78	3		
487	Trave	5558	5560	78	3		
488	Trave	251	253	78	3		
489	Trave	4172	5433	78	3		
490	Trave	5581	5122	78	3		
491	Trave	2338	2340	78	3		
492	Trave	5554	5555	78	3		
493	Trave	5479	5480	78	3		
494	Trave	5516	5550	78	3		
495	Trave	5456	5469	78	3		
496	Trave	2343	4168	78	3		
497	Trave	5497	3388	78	3		
498	Trave	5521	3412	78	3		
499	Trave	5560	3460	78	3		
500	Trave	253	3484	78	3		
501	Trave	5433	3532	78	3		
502	Trave	5122	3556	78	3		
503	Trave	2340	5151	78	3		
504	Trave	5555	5172	78	3		
505	Trave	5480	5214	78	3		
506	Trave	5550	5235	78	3		
507	Trave	5469	5277	78	3		
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509	Trave	4188	4238	78	2	000001	000001
510	Trave	2359	2415	78	2	000001	000001

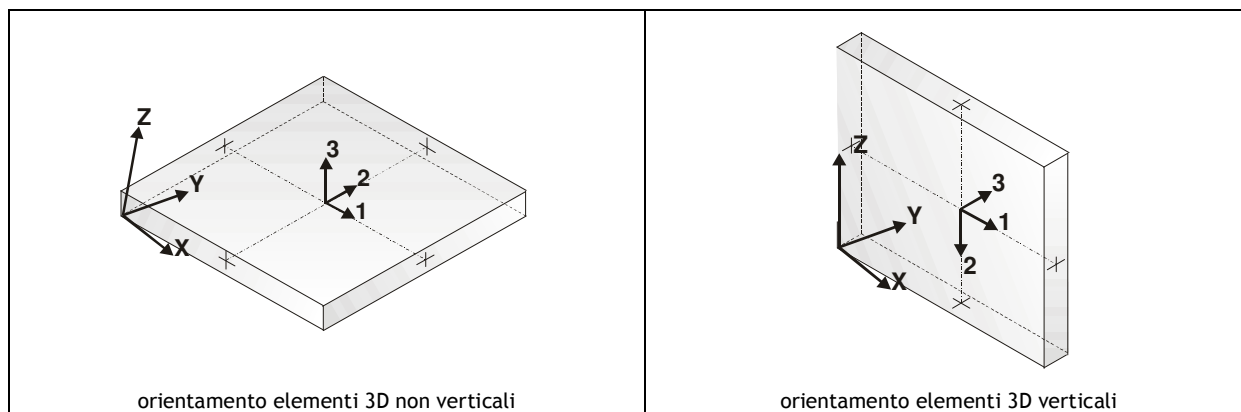
8 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

8.1 LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: Guscio (elemento guscio in elevazione non verticale) Guscio fond. (elemento guscio su suolo elastico) Setto (elemento guscio in elevazione verticale) Membrana (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Con riferimento al **Documento di Affidabilità "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST"** - versione Maggio 2011, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
8	MENSOLE CON ELEMENTI PLATE E MATERIALE ORTOTROPO
10	PIASTRA CON ELEMENTI PLATE E MATERIALE ORTOTROPO
21	DRILLING
25	TENSIONI DI ELEMENTI PLATE
31	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON PUNTI FISSI IMPORTATA DA FILE .DXF
32	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON SEGMENTI E FORI INTERNI IMPORTATA DA FILE .DXF
33	REALIZZAZIONE DI MESH PIANE SU GEOMETRIE COSTRUITE IN PRO_SAP
34	ANALISI DI BUCKLING DI PIASTRA ISOTROPA
35	ANALISI DI BUCKLING DI UN CILINDRO COMPRESSO INCASTRATO ALLA BASE
36	ANALISI DI PARETI FORATE
37	BIMETALLIC STRIP (NAFEMS EXERCISE 6)
38	ANALISI ELASTICA DI PIASTRA CON INTAGLIO CIRCOLARE (FLAT BAR WITH EDGE NOTCHES-NAFEMS EXERCISE 9)
39	PLATEA NERVATA

45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI

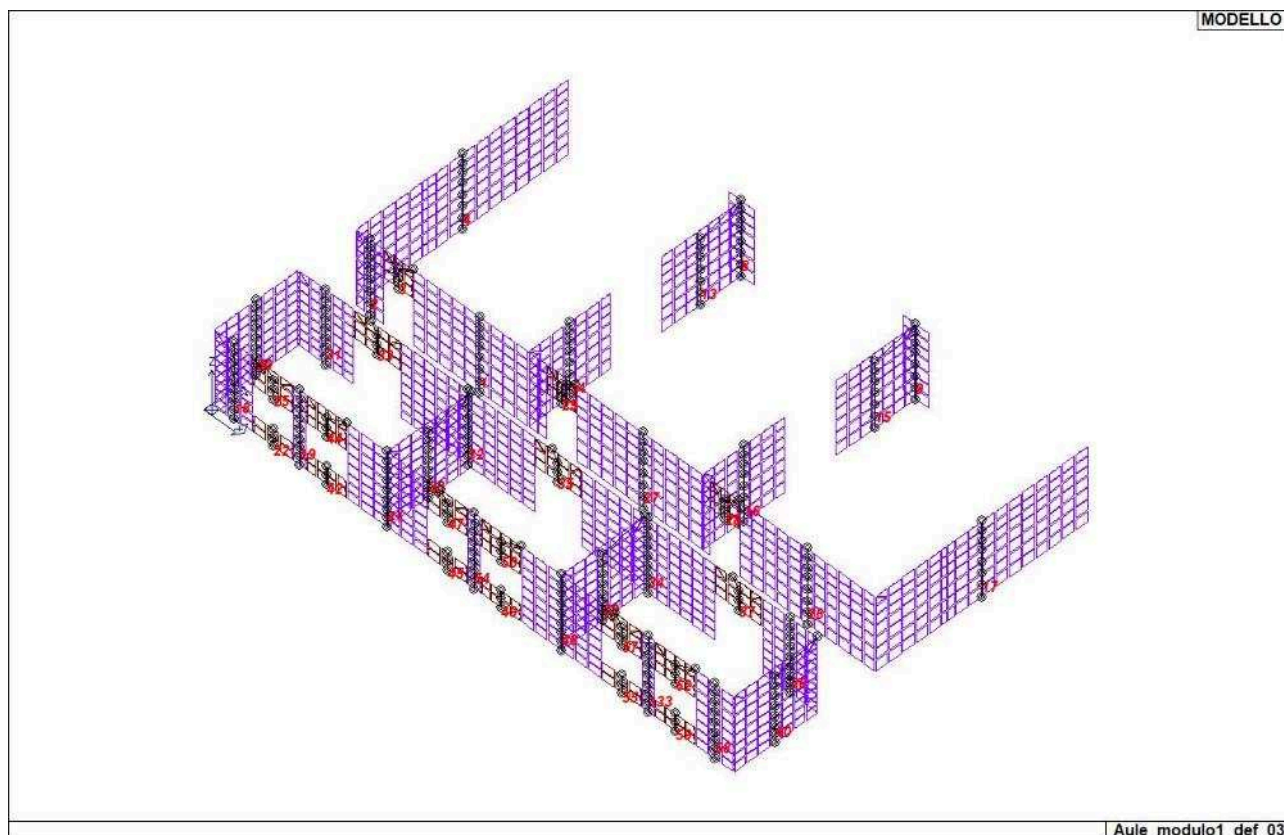


Figura 3: Numerazione macro piano terra

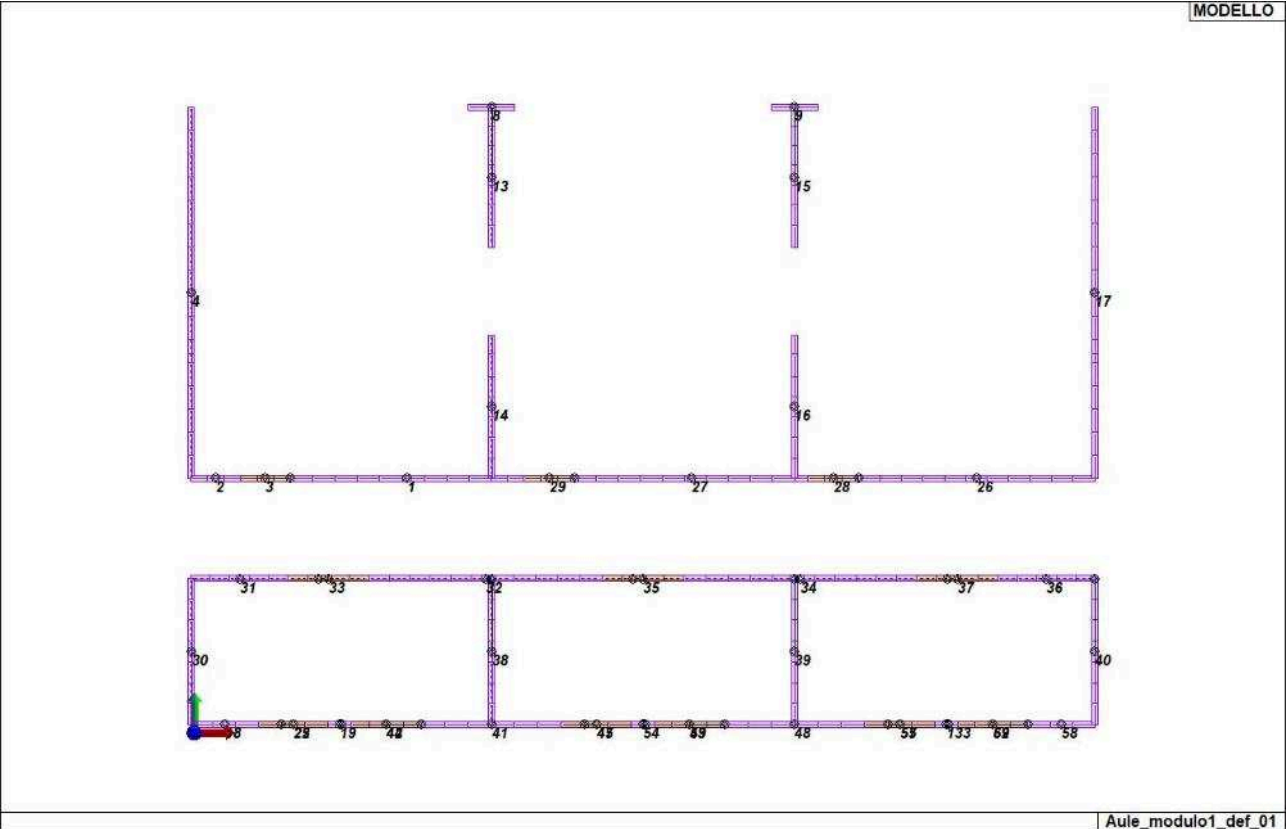


Figura 4: Numerazione macro piano terra - PIANTA

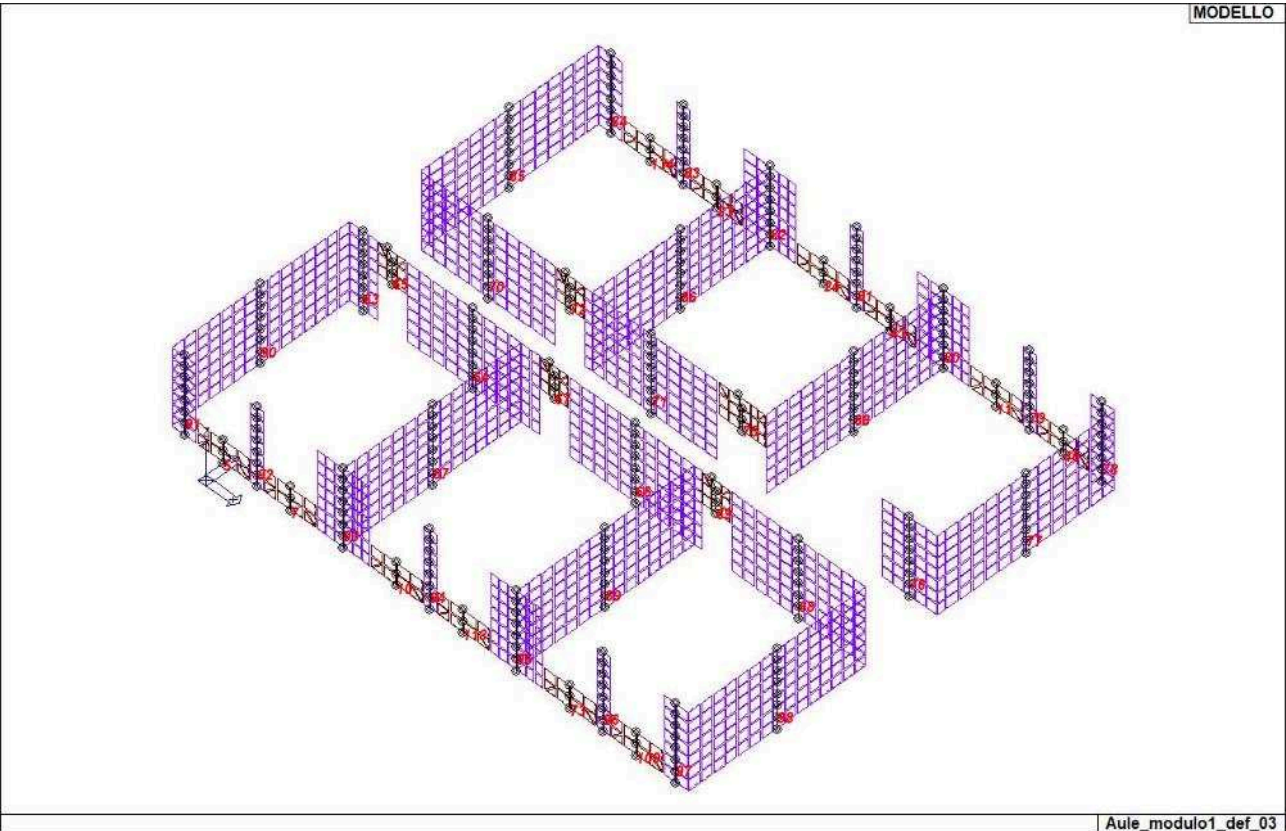


Figura 5: Numerazione macro piano primo

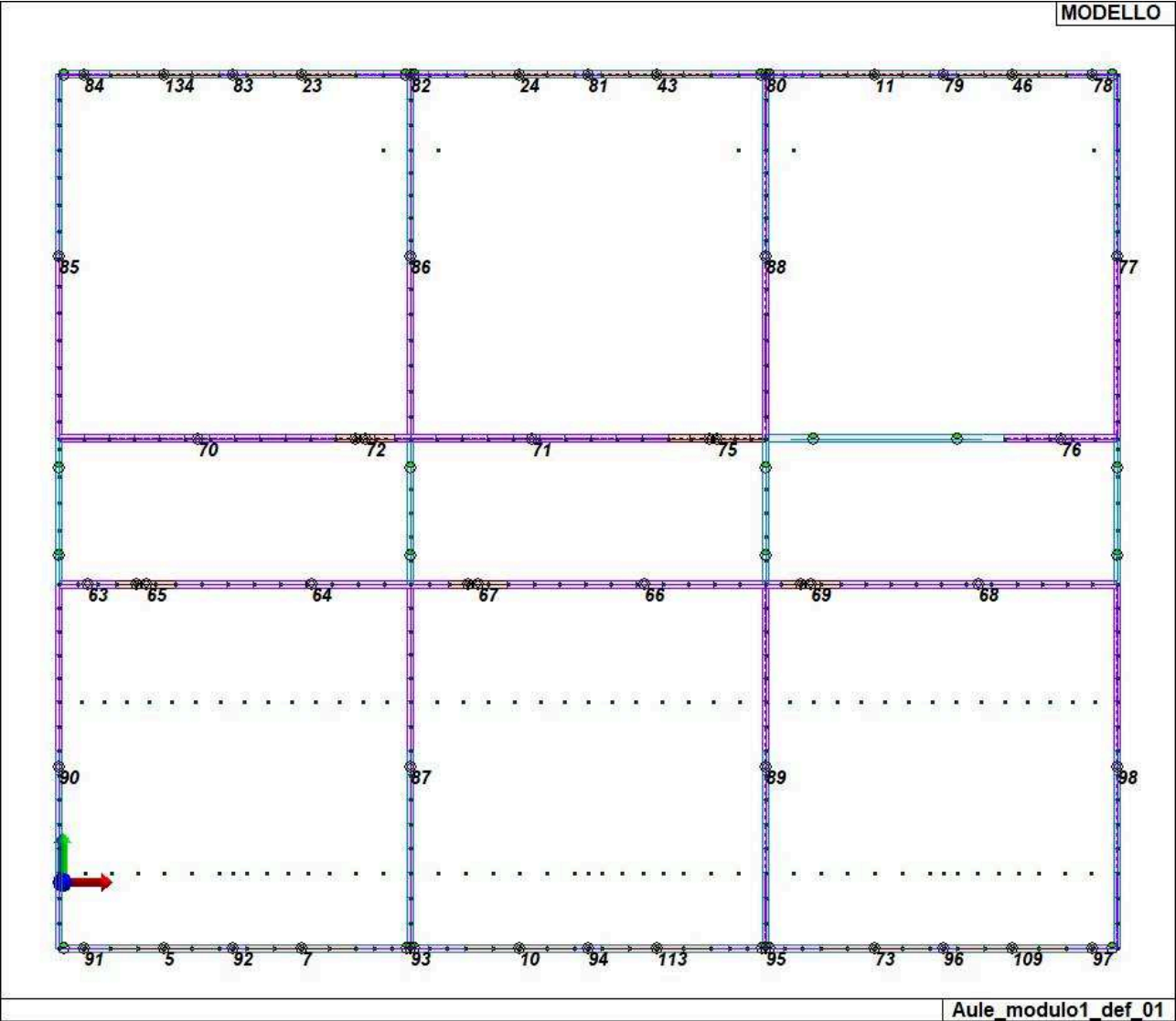


Figura 6: Numerazione macro piano primo - PIANTA

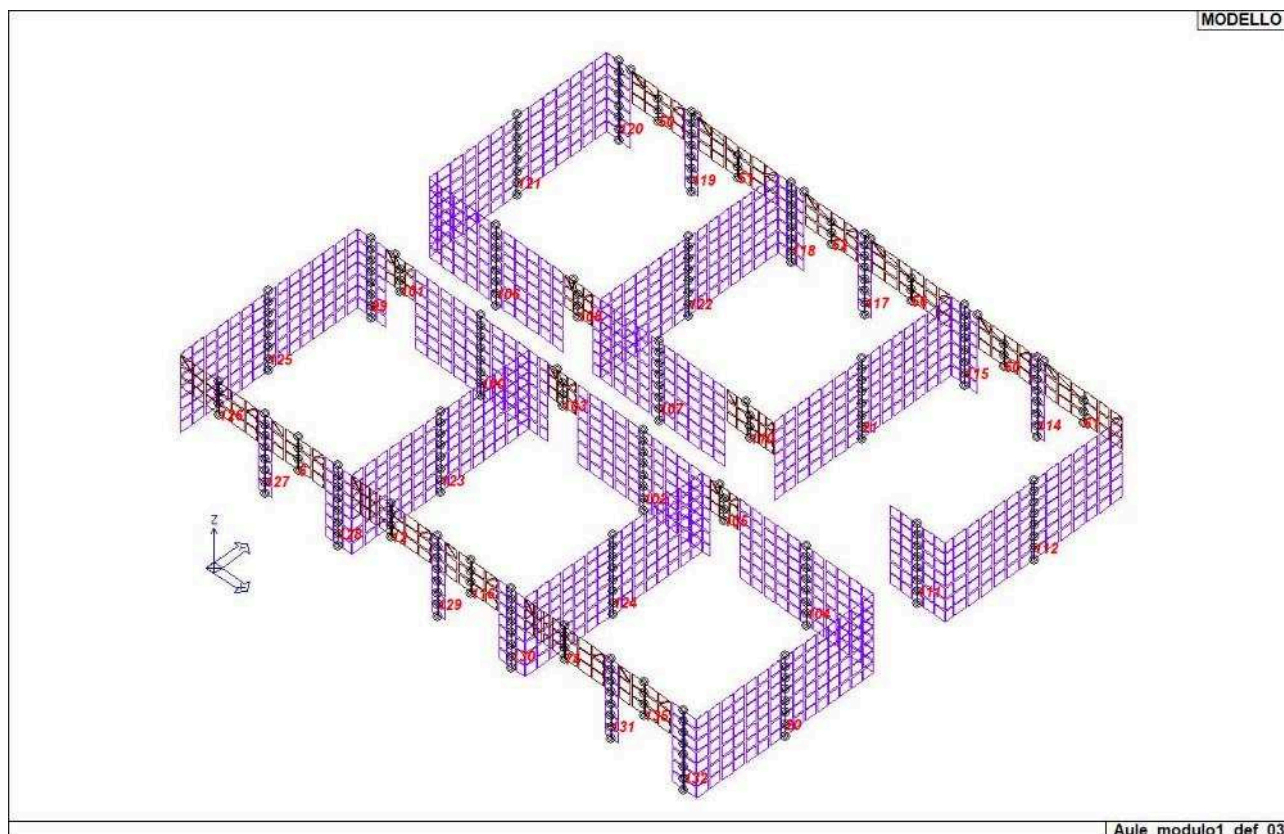


Figura 7: Numerazione macro piano secondo

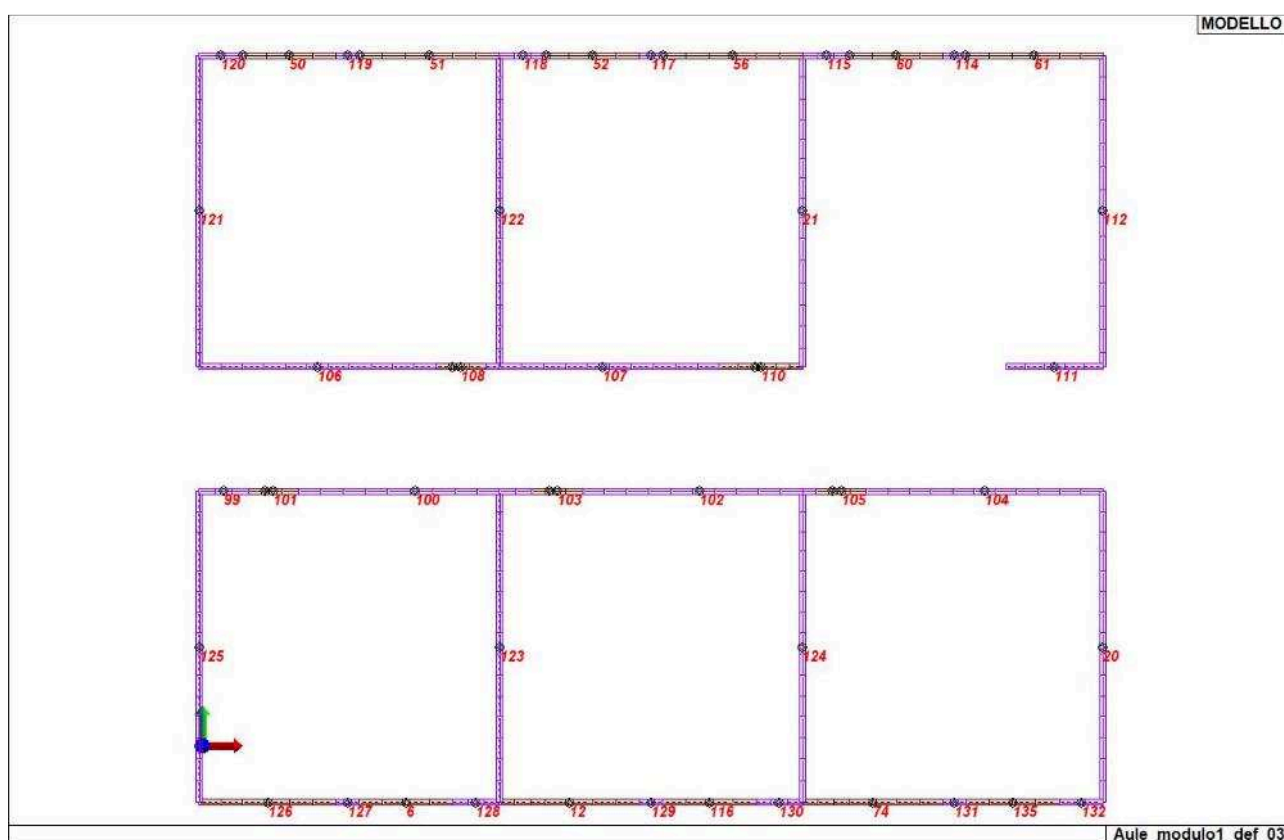


Figura 8: Numerazione macro piano secondo - PIANTA

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm3	Wink O daN/cm3
1	Setto	3	2	1	4	62	16.0		
2	Setto	6	5	2	3	62	16.0		
3	Setto	8	7	5	6	62	16.0		
4	Setto	10	9	7	8	62	16.0		
5	Setto	11	3	4	12	62	16.0		
6	Setto	13	6	3	11	62	16.0		
7	Setto	14	8	6	13	62	16.0		
8	Setto	15	10	8	14	62	16.0		
9	Setto	16	11	12	17	62	16.0		
10	Setto	18	13	11	16	62	16.0		
11	Setto	19	14	13	18	62	16.0		
12	Setto	20	15	14	19	62	16.0		
13	Setto	21	16	17	22	62	16.0		
14	Setto	23	18	16	21	62	16.0		
15	Setto	24	19	18	23	62	16.0		
16	Setto	25	20	19	24	62	16.0		
17	Setto	26	21	22	27	62	16.0		
18	Setto	28	23	21	26	62	16.0		
19	Setto	29	24	23	28	62	16.0		
20	Setto	30	25	24	29	62	16.0		
21	Setto	31	26	27	32	62	16.0		
22	Setto	33	28	26	31	62	16.0		
23	Setto	34	29	28	33	62	16.0		
24	Setto	35	30	29	34	62	16.0		
25	Setto	36	31	32	37	62	16.0		
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547	Setto	710	1745	1632	1622	62	16.0
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554	Setto	5378	704	700	5379	62	16.0
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557	Setto	1636	3982	3983	1638	62	16.0
558	Setto	2359	3147	4889	4176	62	16.0
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781	Setto	945	949	948	944	62	16.0
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806	Setto	974	976	977	975	62	16.0
807	Setto	668	965	978	687	62	16.0
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809	Setto	688	979	980	689	62	16.0
810	Setto	965	967	981	978	62	16.0
811	Setto	978	981	982	979	62	16.0
812	Setto	979	982	983	980	62	16.0
813	Setto	967	969	984	981	62	16.0
814	Setto	981	984	985	982	62	16.0
815	Setto	982	985	986	983	62	16.0
816	Setto	969	971	987	984	62	16.0
817	Setto	984	987	988	985	62	16.0
818	Setto	985	988	989	986	62	16.0
819	Setto	971	973	990	987	62	16.0
820	Setto	987	990	991	988	62	16.0
821	Setto	988	991	992	989	62	16.0
822	Setto	973	975	993	990	62	16.0
823	Setto	990	993	994	991	62	16.0

824	Setto	991	994	995	992	62	16.0
825	Setto	975	977	996	993	62	16.0
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828	Setto	960	999	1000	961	62	16.0
829	Setto	962	1001	999	960	62	16.0
830	Setto	963	1002	1001	962	62	16.0
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832	Setto	1001	1005	1003	999	62	16.0
833	Setto	1002	1006	1005	1001	62	16.0
834	Setto	1003	1007	1008	1004	62	16.0
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837	Setto	1007	1011	1012	1008	62	16.0
838	Setto	1009	1013	1011	1007	62	16.0
839	Setto	1010	1014	1013	1009	62	16.0
840	Setto	1011	1015	1016	1012	62	16.0
841	Setto	1013	1017	1015	1011	62	16.0
842	Setto	1014	1018	1017	1013	62	16.0
843	Setto	976	1019	1002	963	62	16.0
844	Setto	977	1020	1019	976	62	16.0
845	Setto	1019	1021	1006	1002	62	16.0
846	Setto	1020	1022	1021	1019	62	16.0
847	Setto	1021	1023	1010	1006	62	16.0
848	Setto	1022	1024	1023	1021	62	16.0
849	Setto	1023	1025	1014	1010	62	16.0
850	Setto	1024	1026	1025	1023	62	16.0
851	Setto	1025	1027	1018	1014	62	16.0
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854	Setto	997	1030	1029	996	62	16.0
855	Setto	998	1031	1030		62	16.0
856	Setto	1029	1032	1022	1020	62	16.0
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860	Setto	1033	1036	1035	1032	62	16.0
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863	Setto	1036	1039	1038	1035	62	16.0
864	Setto	1037	1040	1039	1036	62	16.0
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866	Setto	1039	1042	1041	1038	62	16.0
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880	Setto	1060	1064	1065	1061	62	16.0
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882	Setto	1063	1067	1066	1062	62	16.0
883	Setto	1064	1068	1069	1065	62	16.0
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896	Setto	1082	1084	1071	1067	62	16.0
897	Setto	1083	1085	1084	1082	62	16.0
898	Setto	1086	1087	1075	1074	62	16.0

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900	Setto	1090	1091	1089	1088	62	16.0
901	Setto	1087	1092	1077	1075	62	16.0
902	Setto	1089	1093	1092	1087	62	16.0
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912	Setto	1100	1103	1102	1099	62	16.0
913	Setto	1101	1104	1085	1083	62	16.0
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915	Setto	1103	1106	1105	1102	62	16.0
916	Setto	1041	1110	1107	1028	64	16.0
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921	Setto	1109	1114	1113	1108	64	16.0
922	Setto	1111	1115	1116	1112	64	16.0
923	Setto	1113	1117	1115	1111	64	16.0
924	Setto	1114	1118	1117	1113	64	16.0
925	Setto	1115	1086	1074	1116	64	16.0
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927	Setto	1117	1090	1088		64	16.0
928	Setto	1068	1119	1120	1069	62	16.0
929	Setto	1070	1121	1119	1068	62	16.0
930	Setto	1071	1122	1121	1070	62	16.0
931	Setto	1119	1123	1124	1120	62	16.0
932	Setto	1121	1125	1123	1119	62	16.0
933	Setto	1122	1126	1125	1121	62	16.0
934	Setto	1123	1127	1128	1124	62	16.0
935	Setto	1125	1129	1127	1123	62	16.0
936	Setto	1126	1130	1129	1125	62	16.0
937	Setto	1127	1131	1132	1128	62	16.0
938	Setto	1129	1133	1131	1127	62	16.0
939	Setto	1130	1134	1133	1129	62	16.0
940	Setto	1131	1135	1136	1132	62	16.0
941	Setto	1133	1137	1135	1131	62	16.0
942	Setto	1134	1138	1137	1133	62	16.0
943	Setto	1084	1139	1122	1071	62	16.0
944	Setto	1085	1140	1139	1084	62	16.0
945	Setto	1139	1141	1126	1122	62	16.0
946	Setto	1140	1142	1141	1139	62	16.0
947	Setto	1141	1143	1130	1126	62	16.0
948	Setto	1142	1144	1143	1141	62	16.0
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966	Setto	1159	1162	1161	1158	62	16.0
967	Setto	1160	1163	1162	1159	62	16.0
968	Setto	1165	1166	1167	1164	62	16.0
969	Setto	1168	1169	1166	1165	62	16.0
970	Setto	1170	1171	1169	1168	62	16.0
971	Setto	1166	1172	1173	1167	62	16.0
972	Setto	1169	1174	1172	1166	62	16.0
973	Setto	1171	1175	1174	1169	62	16.0

974	Setto	1172	1176	1177	1173	62	16.0
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976	Setto	1175	1179	1178	1174	62	16.0
977	Setto	1176	1180	1181	1177	62	16.0
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988	Setto	1193	1195	1194	1192	62	16.0
989	Setto	1194	1196	1183	1179	62	16.0
990	Setto	1195	1197	1196	1194	62	16.0
991	Setto	1196	1198	1187	1183	62	16.0
992	Setto	1197	1199	1198	1196	62	16.0
993	Setto	1200	1201	1191	1190	62	16.0
994	Setto	1202	1203	1201	1200	62	16.0
995	Setto	1204	1205	1203	1202	62	16.0
996	Setto	1201	1206	1193	1191	62	16.0
997	Setto	1203	1207	1206	1201	62	16.0
998	Setto	1205	1208	1207	1203	62	16.0
999	Setto	1206	1209	1195	1193	62	16.0
1000	Setto	1207	1210	1209	1206	62	16.0
1001	Setto	1208	1211	1210	1207	62	16.0
1002	Setto	1209	1212	1197	1195	62	16.0
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1004	Setto	1211	1214	1213	1210	62	16.0
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1006	Setto	1213	1216	1215	1212	62	16.0
1007	Setto	1214	1217	1216	1213	62	16.0
1008	Setto	1161	1218	1219	1148	64	16.0
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1010	Setto	1163	1221	1220		64	16.0
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1017	Setto	1226	1200	1190	1227	64	16.0
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1080	Setto	1300	1304	1305	1301	62	16.0
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1123	Setto	1355	1351	1350	1354	62	16.0

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1126	Setto	1359	1355	1354	1358	62	16.0
1127	Setto	1358	1354	1356	1360	62	16.0
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1134	Setto	1368	1364	1365	1369	62	16.0
1135	Setto	1371	1367	1366	1370	62	16.0
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1137	Setto	1372	1368	1369	1373	62	16.0
1138	Setto	1375	1371	1370	1374	62	16.0
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1140	Setto	1376	1372	1373	1377	62	16.0
1141	Setto	1353	1071	1084	1378	62	16.0
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1143	Setto	1357	1353	1378	1380	62	16.0
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1145	Setto	1361	1357	1380	1382	62	16.0
1146	Setto	1382	1380	1381	1383	62	16.0
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1155	Setto	1379	1085	1104	1392	62	16.0
1156	Setto	1392	1104	1105	1393	62	16.0
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1176	Setto	1414	1185	1184	1413	62	16.0
1177	Setto	1413	1184	1186	1415	62	16.0
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1227	Setto	1470	1467	1468	1471	62	16.0
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1276	Setto	1511	1509	1524	1527	62	16.0
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1301	Setto	1555	1553	1546	1550	62	16.0
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1314	Setto	5507	5508	2616		64	16.0
1315	Setto	1570	1566	1567	1571	64	16.0
1316	Setto	1572	1568	1566	1570	64	16.0
1317	Setto	2606	5570	2605		64	16.0
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1367	Setto	5351	5376	1750	5370	62	16.0
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1370	Setto	5376	696	1754	1750	62	16.0
1371	Setto	1750	1754	1619	1751	62	16.0
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1373	Setto	696	710	1622	1754	62	16.0
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1469	Setto	3677	3680	701	693	62	16.0
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1474	Setto	5388	1625	1626	5389	62	16.0
1475	Setto	5390	1627	1625	5388	62	16.0
1476	Setto	5391	1628	1627	5390	62	16.0
1477	Setto	5392	1633	1628	5391	62	16.0
1478	Setto	5393	1634	1633	5392	62	16.0
1479	Setto	5394	1641	1634	5393	62	16.0
1480	Setto	5387	1642	1641	5394	62	16.0
1481	Setto	1640	1643	1642	5387	62	16.0
1482	Setto	1719	1765	1766	1720	64	16.0
1483	Setto	1721	1767	1765	1719	64	16.0
1484	Setto	5535	4434	5532		64	16.0
1485	Setto	1765	1769	1770	1766	64	16.0
1486	Setto	1767	1771	1769	1765	64	16.0
1487	Setto	4428	4430	5542		64	16.0
1488	Setto	1769	1739	1738	1770	64	16.0
1489	Setto	1771	1742	1739	1769	64	16.0
1490	Setto	4410	4399	4409		64	16.0
1491	Setto	1735	1773	1774	1728	64	16.0
1492	Setto	1736	1775	1773	1735	64	16.0
1493	Setto	1737	1776	1775		64	16.0
1494	Setto	1773	1777	1778	1774	64	16.0
1495	Setto	1775	1779	1777	1773	64	16.0
1496	Setto	1776	1780	1779	1775	64	16.0
1497	Setto	1777	1756	1752	1778	64	16.0
1498	Setto	1779	1758	1756	1777	64	16.0

1499	Setto	1779	1760	1758		64	16.0
1500	Setto	1781	1500	1501	1782	62	16.0
1501	Setto	1783	1502	1500	1781	62	16.0
1502	Setto	1784	1503	1502	1783	62	16.0
1503	Setto	1785	1781	1782	1786	62	16.0
1504	Setto	1787	1783	1781	1785	62	16.0
1505	Setto	1788	1784	1783	1787	62	16.0
1506	Setto	1789	1785	1786	1790	62	16.0
1507	Setto	1791	1787	1785	1789	62	16.0
1508	Setto	1792	1788	1787	1791	62	16.0
1509	Setto	1793	1516	1503	1784	62	16.0
1510	Setto	1794	1517	1516	1793	62	16.0
1511	Setto	1795	1793	1784	1788	62	16.0
1512	Setto	1796	1794	1793	1795	62	16.0
1513	Setto	1797	1795	1788	1792	62	16.0
1514	Setto	1798	1796	1795	1797	62	16.0
1515	Setto	1799	1536	1517	1794	62	16.0
1516	Setto	1800	1537	1536	1799	62	16.0
1517	Setto	1801	1538	1537	1800	62	16.0
1518	Setto	1802	1799	1794	1796	62	16.0
1519	Setto	1803	1800	1799	1802	62	16.0
1520	Setto	1804	1801	1800	1803	62	16.0
1521	Setto	1805	1802	1796	1798	62	16.0
1522	Setto	1806	1803	1802	1805	62	16.0
1523	Setto	1807	1804	1803	1806	62	16.0
1524	Setto	1808	1789	1790	1809	64	16.0
1525	Setto	1810	1791	1789	1808	64	16.0
1526	Setto	4390	4392	5425		64	16.0
1527	Setto	1812	1808	1809	1813	64	16.0
1528	Setto	1814	1810	1808	1812	64	16.0
1529	Setto	5430	4371	5427		64	16.0
1530	Setto	1816	1812	1813	1817	64	16.0
1531	Setto	1818	1814	1812	1816	64	16.0
1532	Setto	4365	4367	5404		64	16.0
1533	Setto	1746	1816	1817	1747	64	16.0
1534	Setto	1748	1818	1816	1746	64	16.0
1535	Setto	4347	4336	4346		64	16.0
1536	Setto	1820	1805	1798	1821	64	16.0
1537	Setto	1822	1806	1805	1820	64	16.0
1538	Setto	1822	1807	1806		64	16.0
1539	Setto	1824	1820	1821	1825	64	16.0
1540	Setto	1826	1822	1820	1824	64	16.0
1541	Setto	1827	1823	1822	1826	64	16.0
1542	Setto	1828	1824	1825	1829	64	16.0
1543	Setto	1830	1826	1824	1828	64	16.0
1544	Setto	1831	1827	1826	1830	64	16.0
1545	Setto	1762	1828	1829	1755	64	16.0
1546	Setto	1763	1830	1828	1762	64	16.0
1547	Setto	1764	1831	1830		64	16.0
1548	Setto	1832	1833	109	112	62	16.0
1549	Setto	1834	1835	1833	1832	62	16.0
1550	Setto	1836	1837	1835	1834	62	16.0
1551	Setto	1838	1839	1837	1836	62	16.0
1552	Setto	1833	1840	106	109	62	16.0
1553	Setto	1835	1841	1840	1833	62	16.0
1554	Setto	1837	1842	1841	1835	62	16.0
1555	Setto	1839	1843	1842	1837	62	16.0
1556	Setto	1840	1844	105	106	62	16.0
1557	Setto	1841	1845	1844	1840	62	16.0
1558	Setto	1842	1846	1845	1841	62	16.0
1559	Setto	1843	1847	1846	1842	62	16.0
1560	Setto	1848	1849	1839	1838	62	16.0
1561	Setto	1850	1851	1849	1848	62	16.0
1562	Setto	1852	1853	1851	1850	62	16.0
1563	Setto	1849	1854	1843	1839	62	16.0
1564	Setto	1851	1855	1854	1849	62	16.0
1565	Setto	1853	1856	1855	1851	62	16.0
1566	Setto	1854	1857	1847	1843	62	16.0
1567	Setto	1855	1858	1857	1854	62	16.0
1568	Setto	1856	1859	1858	1855	62	16.0
1569	Setto	1860	1861	77	80	62	16.0
1570	Setto	1862	1863	1861	1860	62	16.0
1571	Setto	1864	1865	1863	1862	62	16.0
1572	Setto	1866	1867	1865	1864	62	16.0
1573	Setto	1861	1868	74	77	62	16.0

1574	Setto	1863	1869	1868	1861	62	16.0
1575	Setto	1865	1870	1869	1863	62	16.0
1576	Setto	1867	1871	1870	1865	62	16.0
1577	Setto	1868	1872	71	74	62	16.0
1578	Setto	1869	1873	1872	1868	62	16.0
1579	Setto	1870	1874	1873	1869	62	16.0
1580	Setto	1871	1875	1874	1870	62	16.0
1581	Setto	1872	1876	68	71	62	16.0
1582	Setto	1873	1877	1876	1872	62	16.0
1583	Setto	1874	1878	1877	1873	62	16.0
1584	Setto	1875	1879	1878	1874	62	16.0
1585	Setto	1876	1880	65	68	62	16.0
1586	Setto	1877	1881	1880	1876	62	16.0
1587	Setto	1878	1882	1881	1877	62	16.0
1588	Setto	1879	1883	1882	1878	62	16.0
1589	Setto	1880	1884	62	65	62	16.0
1590	Setto	1881	1885	1884	1880	62	16.0
1591	Setto	1882	1886	1885	1881	62	16.0
1592	Setto	1883	1887	1886	1882	62	16.0
1593	Setto	1884	1888	59	62	62	16.0
1594	Setto	1885	1889	1888	1884	62	16.0
1595	Setto	1886	1890	1889	1885	62	16.0
1596	Setto	1887	1891	1890	1886	62	16.0
1597	Setto	1888	1892	56	59	62	16.0
1598	Setto	1889	1893	1892	1888	62	16.0
1599	Setto	1890	1894	1893	1889	62	16.0
1600	Setto	1891	1895	1894	1890	62	16.0
1601	Setto	1892	1896	55	56	62	16.0
1602	Setto	1893	1897	1896	1892	62	16.0
1603	Setto	1894	1898	1897	1893	62	16.0
1604	Setto	1895	1899	1898	1894	62	16.0
1605	Setto	1900	1901	1867	1866	62	16.0
1606	Setto	1902	1903	1901	1900	62	16.0
1607	Setto	1904	1905	1903	1902	62	16.0
1608	Setto	1901	1906	1871	1867	62	16.0
1609	Setto	1903	1907	1906	1901	62	16.0
1610	Setto	1905	1908	1907	1903	62	16.0
1611	Setto	1906	1909	1875	1871	62	16.0
1612	Setto	1907	1910	1909	1906	62	16.0
1613	Setto	1908	1911	1910	1907	62	16.0
1614	Setto	1909	1912	1879	1875	62	16.0
1615	Setto	1910	1913	1912	1909	62	16.0
1616	Setto	1911	1914	1913	1910	62	16.0
1617	Setto	1912	1915	1883	1879	62	16.0
1618	Setto	1913	1916	1915	1912	62	16.0
1619	Setto	1914	1917	1916	1913	62	16.0
1620	Setto	1915	1918	1887	1883	62	16.0
1621	Setto	1916	1919	1918	1915	62	16.0
1622	Setto	1917	1920	1919	1916	62	16.0
1623	Setto	1918	1921	1891	1887	62	16.0
1624	Setto	1919	1922	1921	1918	62	16.0
1625	Setto	1920	1923	1922	1919	62	16.0
1626	Setto	1921	1924	1895	1891	62	16.0
1627	Setto	1922	1925	1924	1921	62	16.0
1628	Setto	1923	1926	1925	1922	62	16.0
1629	Setto	1924	1927	1899	1895	62	16.0
1630	Setto	1925	1928	1927	1924	62	16.0
1631	Setto	1926	1929	1928	1925	62	16.0
1632	Setto	1857	1930	1931	1847	64	16.0
1633	Setto	1858	1932	1930	1857	64	16.0
1634	Setto	1859	1933	1932		64	16.0
1635	Setto	1930	1934	1935	1931	64	16.0
1636	Setto	1932	1936	1934	1930	64	16.0
1637	Setto	1933	1937	1936	1932	64	16.0
1638	Setto	1934	1900	1866	1935	64	16.0
1639	Setto	1936	1902	1900	1934	64	16.0
1640	Setto	1936	1904	1902		64	16.0
1641	Setto	1896	1938	912	55	62	16.0
1642	Setto	1897	1939	1938	1896	62	16.0
1643	Setto	1898	1940	1939	1897	62	16.0
1644	Setto	1899	1941	1940	1898	62	16.0
1645	Setto	1938	1942	911	912	62	16.0
1646	Setto	1939	1943	1942	1938	62	16.0
1647	Setto	1940	1944	1943	1939	62	16.0
1648	Setto	1941	1945	1944	1940	62	16.0

1649	Setto	1927	1946	1941	1899	62	16.0
1650	Setto	1928	1947	1946	1927	62	16.0
1651	Setto	1929	1948	1947	1928	62	16.0
1652	Setto	1946	1949	1945	1941	62	16.0
1653	Setto	1947	1950	1949	1946	62	16.0
1654	Setto	1948	1951	1950	1947	62	16.0
1655	Setto	1952	1953	893	896	62	16.0
1656	Setto	1954	1955	1953	1952	62	16.0
1657	Setto	1956	1957	1955	1954	62	16.0
1658	Setto	1958	1959	1957	1956	62	16.0
1659	Setto	1953	1960	890	893	62	16.0
1660	Setto	1955	1961	1960	1953	62	16.0
1661	Setto	1957	1962	1961	1955	62	16.0
1662	Setto	1959	1963	1962	1957	62	16.0
1663	Setto	1960	1964	887	890	62	16.0
1664	Setto	1961	1965	1964	1960	62	16.0
1665	Setto	1962	1966	1965	1961	62	16.0
1666	Setto	1963	1967	1966	1962	62	16.0
1667	Setto	1964	1968	884	887	62	16.0
1668	Setto	1965	1969	1968	1964	62	16.0
1669	Setto	1966	1970	1969	1965	62	16.0
1670	Setto	1967	1971	1970	1966	62	16.0
1671	Setto	1968	1972	881	884	62	16.0
1672	Setto	1969	1973	1972	1968	62	16.0
1673	Setto	1970	1974	1973	1969	62	16.0
1674	Setto	1971	1975	1974	1970	62	16.0
1675	Setto	1972	1976	878	881	62	16.0
1676	Setto	1973	1977	1976	1972	62	16.0
1677	Setto	1974	1978	1977	1973	62	16.0
1678	Setto	1975	1979	1978	1974	62	16.0
1679	Setto	1976	1980	875	878	62	16.0
1680	Setto	1977	1981	1980	1976	62	16.0
1681	Setto	1978	1982	1981	1977	62	16.0
1682	Setto	1979	1983	1982	1978	62	16.0
1683	Setto	1980	1984	872	875	62	16.0
1684	Setto	1981	1985	1984	1980	62	16.0
1685	Setto	1982	1986	1985	1981	62	16.0
1686	Setto	1983	1987	1986	1982	62	16.0
1687	Setto	1984	1988	869	872	62	16.0
1688	Setto	1985	1989	1988	1984	62	16.0
1689	Setto	1986	1990	1989	1985	62	16.0
1690	Setto	1987	1991	1990	1986	62	16.0
1691	Setto	1988	1992	520	869	62	16.0
1692	Setto	1989	1993	1992	1988	62	16.0
1693	Setto	1990	1994	1993	1989	62	16.0
1694	Setto	1991	1995	1994	1990	62	16.0
1695	Setto	1996	1997	1959	1958	62	16.0
1696	Setto	1998	1999	1997	1996	62	16.0
1697	Setto	2000	2001	1999	1998	62	16.0
1698	Setto	1997	2002	1963	1959	62	16.0
1699	Setto	1999	2003	2002	1997	62	16.0
1700	Setto	2001	2004	2003	1999	62	16.0
1701	Setto	2002	2005	1967	1963	62	16.0
1702	Setto	2003	2006	2005	2002	62	16.0
1703	Setto	2004	2007	2006	2003	62	16.0
1704	Setto	2005	2008	1971	1967	62	16.0
1705	Setto	2006	2009	2008	2005	62	16.0
1706	Setto	2007	2010	2009	2006	62	16.0
1707	Setto	2008	2011	1975	1971	62	16.0
1708	Setto	2009	2012	2011	2008	62	16.0
1709	Setto	2010	2013	2012	2009	62	16.0
1710	Setto	2011	2014	1979	1975	62	16.0
1711	Setto	2012	2015	2014	2011	62	16.0
1712	Setto	2013	2016	2015	2012	62	16.0
1713	Setto	2014	2017	1983	1979	62	16.0
1714	Setto	2015	2018	2017	2014	62	16.0
1715	Setto	2016	2019	2018	2015	62	16.0
1716	Setto	2017	2020	1987	1983	62	16.0
1717	Setto	2018	2021	2020	2017	62	16.0
1718	Setto	2019	2022	2021	2018	62	16.0
1719	Setto	2020	2023	1991	1987	62	16.0
1720	Setto	2021	2024	2023	2020	62	16.0
1721	Setto	2022	2025	2024	2021	62	16.0
1722	Setto	2023	2026	1995	1991	62	16.0
1723	Setto	2024	2027	2026	2023	62	16.0

1724	Setto	2025	2028	2027	2024	62	16.0
1725	Setto	1949	2029	2030	1945	64	16.0
1726	Setto	1950	2031	2029	1949	64	16.0
1727	Setto	1951	2032	2031		64	16.0
1728	Setto	2029	2033	2034	2030	64	16.0
1729	Setto	2031	2035	2033	2029	64	16.0
1730	Setto	2032	2036	2035	2031	64	16.0
1731	Setto	2033	1996	1958	2034	64	16.0
1732	Setto	2035	1998	1996	2033	64	16.0
1733	Setto	2035	2000	1998		64	16.0
1734	Setto	1992	2037	808	520	62	16.0
1735	Setto	1993	2038	2037	1992	62	16.0
1736	Setto	1994	2039	2038	1993	62	16.0
1737	Setto	1995	2040	2039	1994	62	16.0
1738	Setto	2026	2041	2040	1995	62	16.0
1739	Setto	2027	2042	2041	2026	62	16.0
1740	Setto	2028	2043	2042	2027	62	16.0
1741	Setto	2044	2045	797	800	62	16.0
1742	Setto	2046	2047	2045	2044	62	16.0
1743	Setto	2048	2049	2047	2046	62	16.0
1744	Setto	2050	2051	2049	2048	62	16.0
1745	Setto	2045	2052	794	797	62	16.0
1746	Setto	2047	2053	2052	2045	62	16.0
1747	Setto	2049	2054	2053	2047	62	16.0
1748	Setto	2051	2055	2054	2049	62	16.0
1749	Setto	2052	2056	791	794	62	16.0
1750	Setto	2053	2057	2056	2052	62	16.0
1751	Setto	2054	2058	2057	2053	62	16.0
1752	Setto	2055	2059	2058	2054	62	16.0
1753	Setto	2056	2060	788	791	62	16.0
1754	Setto	2057	2061	2060	2056	62	16.0
1755	Setto	2058	2062	2061	2057	62	16.0
1756	Setto	2059	2063	2062	2058	62	16.0
1757	Setto	2060	2064	785	788	62	16.0
1758	Setto	2061	2065	2064	2060	62	16.0
1759	Setto	2062	2066	2065	2061	62	16.0
1760	Setto	2063	2067	2066	2062	62	16.0
1761	Setto	2064	2068	782	785	62	16.0
1762	Setto	2065	2069	2068	2064	62	16.0
1763	Setto	2066	2070	2069	2065	62	16.0
1764	Setto	2067	2071	2070	2066	62	16.0
1765	Setto	2068	2072	779	782	62	16.0
1766	Setto	2069	2073	2072	2068	62	16.0
1767	Setto	2070	2074	2073	2069	62	16.0
1768	Setto	2071	2075	2074	2070	62	16.0
1769	Setto	2072	2076	776	779	62	16.0
1770	Setto	2073	2077	2076	2072	62	16.0
1771	Setto	2074	2078	2077	2073	62	16.0
1772	Setto	2075	2079	2078	2074	62	16.0
1773	Setto	2076	2080	773	776	62	16.0
1774	Setto	2077	2081	2080	2076	62	16.0
1775	Setto	2078	2082	2081	2077	62	16.0
1776	Setto	2079	2083	2082	2078	62	16.0
1777	Setto	2080	2084	770	773	62	16.0
1778	Setto	2081	2085	2084	2080	62	16.0
1779	Setto	2082	2086	2085	2081	62	16.0
1780	Setto	2083	2087	2086	2082	62	16.0
1781	Setto	2084	2088	648	770	62	16.0
1782	Setto	2085	2089	2088	2084	62	16.0
1783	Setto	2086	2090	2089	2085	62	16.0
1784	Setto	2087	2091	2090	2086	62	16.0
1785	Setto	2092	2093	2051	2050	62	16.0
1786	Setto	2094	2095	2093	2092	62	16.0
1787	Setto	2096	2097	2095	2094	62	16.0
1788	Setto	2093	2098	2055	2051	62	16.0
1789	Setto	2095	2099	2098	2093	62	16.0
1790	Setto	2097	2100	2099	2095	62	16.0
1791	Setto	2098	2101	2059	2055	62	16.0
1792	Setto	2099	2102	2101	2098	62	16.0
1793	Setto	2100	2103	2102	2099	62	16.0
1794	Setto	2101	2104	2063	2059	62	16.0
1795	Setto	2102	2105	2104	2101	62	16.0
1796	Setto	2103	2106	2105	2102	62	16.0
1797	Setto	2104	2107	2067	2063	62	16.0
1798	Setto	2105	2108	2107	2104	62	16.0

1799	Setto	2106	2109	2108	2105	62	16.0
1800	Setto	2107	2110	2071	2067	62	16.0
1801	Setto	2108	2111	2110	2107	62	16.0
1802	Setto	2109	2112	2111	2108	62	16.0
1803	Setto	2110	2113	2075	2071	62	16.0
1804	Setto	2111	2114	2113	2110	62	16.0
1805	Setto	2112	2115	2114	2111	62	16.0
1806	Setto	2113	2116	2079	2075	62	16.0
1807	Setto	2114	2117	2116	2113	62	16.0
1808	Setto	2115	2118	2117	2114	62	16.0
1809	Setto	2116	2119	2083	2079	62	16.0
1810	Setto	2117	2120	2119	2116	62	16.0
1811	Setto	2118	2121	2120	2117	62	16.0
1812	Setto	2119	2122	2087	2083	62	16.0
1813	Setto	2120	2123	2122	2119	62	16.0
1814	Setto	2121	2124	2123	2120	62	16.0
1815	Setto	2122	2125	2091	2087	62	16.0
1816	Setto	2123	2126	2125	2122	62	16.0
1817	Setto	2124	2127	2126	2123	62	16.0
1818	Setto	2041	2128	2129	2040	64	16.0
1819	Setto	2042	2130	2128	2041	64	16.0
1820	Setto	2043	2131	2130		64	16.0
1821	Setto	2128	2132	2133	2129	64	16.0
1822	Setto	2130	2134	2132	2128	64	16.0
1823	Setto	2131	2135	2134	2130	64	16.0
1824	Setto	2132	2092	2050	2133	64	16.0
1825	Setto	2134	2094	2092	2132	64	16.0
1826	Setto	2134	2096	2094		64	16.0
1827	Setto	2137	2138	2139	2136	62	16.0
1828	Setto	2140	2141	2138	2137	62	16.0
1829	Setto	2142	2143	2141	2140	62	16.0
1830	Setto	2144	2145	2143	2142	62	16.0
1831	Setto	2138	2146	2147	2139	62	16.0
1832	Setto	2141	2148	2146	2138	62	16.0
1833	Setto	2143	2149	2148	2141	62	16.0
1834	Setto	2145	2150	2149	2143	62	16.0
1835	Setto	2146	2151	2152	2147	62	16.0
1836	Setto	2148	2153	2151	2146	62	16.0
1837	Setto	2149	2154	2153	2148	62	16.0
1838	Setto	2150	2155	2154	2149	62	16.0
1839	Setto	2151	2156	2157	2152	62	16.0
1840	Setto	2153	2158	2156	2151	62	16.0
1841	Setto	2154	2159	2158	2153	62	16.0
1842	Setto	2155	2160	2159	2154	62	16.0
1843	Setto	2156	2161	2162	2157	62	16.0
1844	Setto	2158	2163	2161	2156	62	16.0
1845	Setto	2159	2164	2163	2158	62	16.0
1846	Setto	2160	2165	2164	2159	62	16.0
1847	Setto	2161	2166	2167	2162	62	16.0
1848	Setto	2163	2168	2166	2161	62	16.0
1849	Setto	2164	2169	2168	2163	62	16.0
1850	Setto	2165	2170	2169	2164	62	16.0
1851	Setto	2166	2171	2172	2167	62	16.0
1852	Setto	2168	2173	2171	2166	62	16.0
1853	Setto	2169	2174	2173	2168	62	16.0
1854	Setto	2170	2175	2174	2169	62	16.0
1855	Setto	2171	2176	2177	2172	62	16.0
1856	Setto	2173	2178	2176	2171	62	16.0
1857	Setto	2174	2179	2178	2173	62	16.0
1858	Setto	2175	2180	2179	2174	62	16.0
1859	Setto	2176	2181	2182	2177	62	16.0
1860	Setto	2178	2183	2181	2176	62	16.0
1861	Setto	2179	2184	2183	2178	62	16.0
1862	Setto	2180	2185	2184	2179	62	16.0
1863	Setto	2181	2186	2187	2182	62	16.0
1864	Setto	2183	2188	2186	2181	62	16.0
1865	Setto	2184	2189	2188	2183	62	16.0
1866	Setto	2185	2190	2189	2184	62	16.0
1867	Setto	2186	2191	2192	2187	62	16.0
1868	Setto	2188	2193	2191	2186	62	16.0
1869	Setto	2189	2194	2193	2188	62	16.0
1870	Setto	2190	2195	2194	2189	62	16.0
1871	Setto	2196	2197	2145	2144	62	16.0
1872	Setto	2198	2199	2197	2196	62	16.0
1873	Setto	2200	2201	2199	2198	62	16.0

1874	Setto	2197	2202	2150	2145	62	16.0
1875	Setto	2199	2203	2202	2197	62	16.0
1876	Setto	2201	2204	2203	2199	62	16.0
1877	Setto	2202	2205	2155	2150	62	16.0
1878	Setto	2203	2206	2205	2202	62	16.0
1879	Setto	2204	2207	2206	2203	62	16.0
1880	Setto	2205	2208	2160	2155	62	16.0
1881	Setto	2206	2209	2208	2205	62	16.0
1882	Setto	2207	2210	2209	2206	62	16.0
1883	Setto	2208	2211	2165	2160	62	16.0
1884	Setto	2209	2212	2211	2208	62	16.0
1885	Setto	2210	2213	2212	2209	62	16.0
1886	Setto	2211	2214	2170	2165	62	16.0
1887	Setto	2212	2215	2214	2211	62	16.0
1888	Setto	2213	2216	2215	2212	62	16.0
1889	Setto	2214	2217	2175	2170	62	16.0
1890	Setto	2215	2218	2217	2214	62	16.0
1891	Setto	2216	2219	2218	2215	62	16.0
1892	Setto	2217	2220	2180	2175	62	16.0
1893	Setto	2218	2221	2220	2217	62	16.0
1894	Setto	2219	2222	2221	2218	62	16.0
1895	Setto	2220	2223	2185	2180	62	16.0
1896	Setto	2221	2224	2223	2220	62	16.0
1897	Setto	2222	2225	2224	2221	62	16.0
1898	Setto	2223	2226	2190	2185	62	16.0
1899	Setto	2224	2227	2226	2223	62	16.0
1900	Setto	2225	2228	2227	2224	62	16.0
1901	Setto	2226	2229	2195	2190	62	16.0
1902	Setto	2227	2230	2229	2226	62	16.0
1903	Setto	2228	2231	2230	2227	62	16.0
1904	Setto	2233	2234	401	2232	62	16.0
1905	Setto	2236	2237	2234	2233	62	16.0
1906	Setto	2238	2239	2237	2236	62	16.0
1907	Setto	2240	2241	2239	2238	62	16.0
1908	Setto	2242	2243	2241	2240	62	16.0
1909	Setto	2244	2245	2243	2242	62	16.0
1910	Setto	2246	2247	2245	2244	62	16.0
1911	Setto	2229	2248	2249	2195	64	16.0
1912	Setto	2230	2250	2248	2229	64	16.0
1913	Setto	2231	2251	2250		64	16.0
1914	Setto	2248	2252	2253	2249	64	16.0
1915	Setto	2250	2254	2252	2248	64	16.0
1916	Setto	2251	2255	2254	2250	64	16.0
1917	Setto	2252	2242	2240	2253	64	16.0
1918	Setto	2254	2244	2242	2252	64	16.0
1919	Setto	2254	2246	2244		64	16.0
1920	Setto	2234	2256	2257	401	62	16.0
1921	Setto	2237	2258	2256	2234	62	16.0
1922	Setto	2239	2259	2258	2237	62	16.0
1923	Setto	2241	2260	2259	2239	62	16.0
1924	Setto	2256	2261	2262	2257	62	16.0
1925	Setto	2258	2263	2261	2256	62	16.0
1926	Setto	2259	2264	2263	2258	62	16.0
1927	Setto	2260	2265	2264	2259	62	16.0
1928	Setto	2261	2266	2267	2262	62	16.0
1929	Setto	2263	2268	2266	2261	62	16.0
1930	Setto	2264	2269	2268	2263	62	16.0
1931	Setto	2265	2270	2269	2264	62	16.0
1932	Setto	2266	2271	2272	2267	62	16.0
1933	Setto	2268	2273	2271	2266	62	16.0
1934	Setto	2269	2274	2273	2268	62	16.0
1935	Setto	2270	2275	2274	2269	62	16.0
1936	Setto	2271	2276	2277	2272	62	16.0
1937	Setto	2273	2278	2276	2271	62	16.0
1938	Setto	2274	2279	2278	2273	62	16.0
1939	Setto	2275	2280	2279	2274	62	16.0
1940	Setto	2276	2281	2282	2277	62	16.0
1941	Setto	2278	2283	2281	2276	62	16.0
1942	Setto	2279	2284	2283	2278	62	16.0
1943	Setto	2280	2285	2284	2279	62	16.0
1944	Setto	2281	2286	2287	2282	62	16.0
1945	Setto	2283	2288	2286	2281	62	16.0
1946	Setto	2284	2289	2288	2283	62	16.0
1947	Setto	2285	2290	2289	2284	62	16.0
1948	Setto	2286	2291	2292	2287	62	16.0

1949	Setto	2288	2293	2291	2286	62	16.0
1950	Setto	2289	2294	2293	2288	62	16.0
1951	Setto	2290	2295	2294	2289	62	16.0
1952	Setto	2291	2296	2297	2292	62	16.0
1953	Setto	2293	2298	2296	2291	62	16.0
1954	Setto	2294	2299	2298	2293	62	16.0
1955	Setto	2295	2300	2299	2294	62	16.0
1956	Setto	2296	2301	2302	2297	62	16.0
1957	Setto	2298	2303	2301	2296	62	16.0
1958	Setto	2299	2304	2303	2298	62	16.0
1959	Setto	2300	2305	2304	2299	62	16.0
1960	Setto	2243	2306	2260	2241	62	16.0
1961	Setto	2245	2307	2306	2243	62	16.0
1962	Setto	2247	2308	2307	2245	62	16.0
1963	Setto	2306	2309	2265	2260	62	16.0
1964	Setto	2307	2310	2309	2306	62	16.0
1965	Setto	2308	2311	2310	2307	62	16.0
1966	Setto	2309	2312	2270	2265	62	16.0
1967	Setto	2310	2313	2312	2309	62	16.0
1968	Setto	2311	2314	2313	2310	62	16.0
1969	Setto	2312	2315	2275	2270	62	16.0
1970	Setto	2313	2316	2315	2312	62	16.0
1971	Setto	2314	2317	2316	2313	62	16.0
1972	Setto	2315	2318	2280	2275	62	16.0
1973	Setto	2316	2319	2318	2315	62	16.0
1974	Setto	2317	2320	2319	2316	62	16.0
1975	Setto	2318	2321	2285	2280	62	16.0
1976	Setto	2319	2322	2321	2318	62	16.0
1977	Setto	2320	2323	2322	2319	62	16.0
1978	Setto	2321	2324	2290	2285	62	16.0
1979	Setto	2322	2325	2324	2321	62	16.0
1980	Setto	2323	2326	2325	2322	62	16.0
1981	Setto	2324	2327	2295	2290	62	16.0
1982	Setto	2325	2328	2327	2324	62	16.0
1983	Setto	2326	2329	2328	2325	62	16.0
1984	Setto	2327	2330	2300	2295	62	16.0
1985	Setto	2328	2331	2330	2327	62	16.0
1986	Setto	2329	2332	2331	2328	62	16.0
1987	Setto	2330	2333	2305	2300	62	16.0
1988	Setto	2331	2334	2333	2330	62	16.0
1989	Setto	2332	2335	2334	2331	62	16.0
1990	Setto	3520	5435	4171	3518	64	16.0
1991	Setto	5435	5436	4173	4171	64	16.0
1992	Setto	5436	5449	5434	4173	64	16.0
1993	Setto	5449	3536	3533	5434	64	16.0
1994	Setto	5258	4169	5489	5251	64	16.0
1995	Setto	4169	5450	5502	5489	64	16.0
1996	Setto	5450	5451	5512	5502	64	16.0
1997	Setto	5451	5273	5267	5512	64	16.0
1998	Setto	2351	2352	2345	2344	64	16.0
1999	Setto	2353	2354	2352	2351	64	16.0
2000	Setto	2355	2356	2354	2353	64	16.0
2001	Setto	2352	2357	2350	2345	64	16.0
2002	Setto	2354	2358	2357	2352	64	16.0
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2004	Setto	2333	2360	2361	2305	64	16.0
2005	Setto	2334	2362	2360	2333	64	16.0
2006	Setto	2335	2363	2362		64	16.0
2007	Setto	2360	2364	2365	2361	64	16.0
2008	Setto	2362	2366	2364	2360	64	16.0
2009	Setto	2363	2367	2366	2362	64	16.0
2010	Setto	2364	2351	2344	2365	64	16.0
2011	Setto	2366	2353	2351	2364	64	16.0
2012	Setto	4173	5434	5433	4172	64	16.0
2013	Setto	2370	2369	2368	2371	62	16.0
2014	Setto	2373	2372	2369	2370	62	16.0
2015	Setto	2375	2374	2372	2373	62	16.0
2016	Setto	2377	2376	2374	2375	62	16.0
2017	Setto	2378	2370	2371	2379	62	16.0
2018	Setto	2380	2373	2370	2378	62	16.0
2019	Setto	2381	2375	2373	2380	62	16.0
2020	Setto	2382	2377	2375	2381	62	16.0
2021	Setto	2383	2378	2379	2384	62	16.0
2022	Setto	2385	2380	2378	2383	62	16.0
2023	Setto	2386	2381	2380	2385	62	16.0

2024	Setto	2387	2382	2381	2386	62	16.0
2025	Setto	2388	2383	2384	2389	62	16.0
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2027	Setto	2391	2386	2385	2390	62	16.0
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2033	Setto	2399	2398	2376	2377	62	16.0
2034	Setto	2401	2400	2398	2399	62	16.0
2035	Setto	2403	2402	2400	2401	62	16.0
2036	Setto	2404	2399	2377	2382	62	16.0
2037	Setto	2405	2401	2399	2404	62	16.0
2038	Setto	2406	2403	2401	2405	62	16.0
2039	Setto	2407	2404	2382	2387	62	16.0
2040	Setto	2408	2405	2404	2407	62	16.0
2041	Setto	2409	2406	2405	2408	62	16.0
2042	Setto	2410	2407	2387	2392	62	16.0
2043	Setto	2411	2408	2407	2410	62	16.0
2044	Setto	2412	2409	2408	2411	62	16.0
2045	Setto	2413	2410	2392	2397	62	16.0
2046	Setto	2414	2411	2410	2413	62	16.0
2047	Setto	2415	2412	2411	2414	62	16.0
2048	Setto	630	627	2417	2416	62	16.0
2049	Setto	2416	2417	2419	2418	62	16.0
2050	Setto	2418	2419	2421	2420	62	16.0
2051	Setto	2420	2421	2423	2422	62	16.0
2052	Setto	627	624	2424	2417	62	16.0
2053	Setto	2417	2424	2425	2419	62	16.0
2054	Setto	2419	2425	2426	2421	62	16.0
2055	Setto	2421	2426	2427	2423	62	16.0
2056	Setto	624	621	2428	2424	62	16.0
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2059	Setto	2426	2430	2431	2427	62	16.0
2060	Setto	621	618	2432	2428	62	16.0
2061	Setto	2428	2432	2433	2429	62	16.0
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2063	Setto	2430	2434	2435	2431	62	16.0
2064	Setto	618	615	2436	2432	62	16.0
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2067	Setto	2434	2438	2439	2435	62	16.0
2068	Setto	615	612	2440	2436	62	16.0
2069	Setto	2436	2440	2441	2437	62	16.0
2070	Setto	2437	2441	2442	2438	62	16.0
2071	Setto	2438	2442	2443	2439	62	16.0
2072	Setto	612	609	2444	2440	62	16.0
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2074	Setto	2441	2445	2446	2442	62	16.0
2075	Setto	2442	2446	2447	2443	62	16.0
2076	Setto	609	606	2448	2444	62	16.0
2077	Setto	2444	2448	2449	2445	62	16.0
2078	Setto	2445	2449	2450	2446	62	16.0
2079	Setto	2446	2450	2451	2447	62	16.0
2080	Setto	606	603	2452	2448	62	16.0
2081	Setto	2448	2452	2453	2449	62	16.0
2082	Setto	2449	2453	2454	2450	62	16.0
2083	Setto	2450	2454	2455	2451	62	16.0
2084	Setto	603	320	2456	2452	62	16.0
2085	Setto	2452	2456	2457	2453	62	16.0
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2094	Setto	2427	2431	2469	2466	62	16.0
2095	Setto	2466	2469	2470	2467	62	16.0
2096	Setto	2467	2470	2471	2468	62	16.0
2097	Setto	2431	2435	2472	2469	62	16.0
2098	Setto	2469	2472	2473	2470	62	16.0

2099	Setto	2470	2473	2474	2471	62	16.0
2100	Setto	2435	2439	2475	2472	62	16.0
2101	Setto	2472	2475	2476	2473	62	16.0
2102	Setto	2473	2476	2477	2474	62	16.0
2103	Setto	2439	2443	2478	2475	62	16.0
2104	Setto	2475	2478	2479	2476	62	16.0
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2109	Setto	2447	2451	2484	2481	62	16.0
2110	Setto	2481	2484	2485	2482	62	16.0
2111	Setto	2482	2485	2486	2483	62	16.0
2112	Setto	2451	2455	2487	2484	62	16.0
2113	Setto	2484	2487	2488	2485	62	16.0
2114	Setto	2485	2488	2489	2486	62	16.0
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2117	Setto	2488	2491	2492	2489	62	16.0
2118	Setto	2368	630	2416	2369	62	16.0
2119	Setto	2369	2416	2418	2372	62	16.0
2120	Setto	2372	2418	2420	2374	62	16.0
2121	Setto	2374	2420	2422	2376	62	16.0
2122	Setto	2376	2422	2460	2398	62	16.0
2123	Setto	2398	2460	2462	2400	62	16.0
2124	Setto	2400	2462	2464	2402	62	16.0
2125	Setto	320	2494	2493	2456	62	16.0
2126	Setto	2456	2493	2495	2457	62	16.0
2127	Setto	2457	2495	2496	2458	62	16.0
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2131	Setto	2495	2500	2501	2496	62	16.0
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2137	Setto	2459	2497	2508	2490	62	16.0
2138	Setto	2490	2508	2509	2491	62	16.0
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2140	Setto	2497	2502	2511	2508	62	16.0
2141	Setto	2508	2511	2512	2509	62	16.0
2142	Setto	2509	2512	2513	2510	62	16.0
2143	Setto	2502	2507	2514	2511	62	16.0
2144	Setto	2511	2514	2515	2512	62	16.0
2145	Setto	2512	2515	2516	2513	62	16.0
2146	Setto	2517	2503	2504	2518	62	16.0
2147	Setto	2519	2505	2503	2517	62	16.0
2148	Setto	2520	2506	2505	2519	62	16.0
2149	Setto	2521	2507	2506	2520	62	16.0
2150	Setto	2522	2517	2518	2523	62	16.0
2151	Setto	2524	2519	2517	2522	62	16.0
2152	Setto	2525	2520	2519	2524	62	16.0
2153	Setto	2526	2521	2520	2525	62	16.0
2154	Setto	2527	2514	2507	2521	62	16.0
2155	Setto	2528	2515	2514	2527	62	16.0
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2158	Setto	2531	2528	2527	2530	62	16.0
2159	Setto	2532	2529	2528	2531	62	16.0
2160	Setto	2535	2534	2533	2536	62	16.0
2161	Setto	2538	2537	2534	2535	62	16.0
2162	Setto	2540	2539	2537	2538	62	16.0
2163	Setto	2542	2541	2539	2540	62	16.0
2164	Setto	2543	2535	2536	2544	62	16.0
2165	Setto	2545	2538	2535	2543	62	16.0
2166	Setto	2546	2540	2538	2545	62	16.0
2167	Setto	2547	2542	2540	2546	62	16.0
2168	Setto	2549	2548	2541	2542	62	16.0
2169	Setto	2551	2550	2548	2549	62	16.0
2170	Setto	2553	2552	2550	2551	62	16.0
2171	Setto	2554	2549	2542	2547	62	16.0
2172	Setto	2555	2551	2549	2554	62	16.0
2173	Setto	2556	2553	2551	2555	62	16.0

2174	Setto	2559	2558	2557	2560	62	16.0
2175	Setto	2562	2561	2558	2559	62	16.0
2176	Setto	2564	2563	2561	2562	62	16.0
2177	Setto	2566	2565	2563	2564	62	16.0
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2181	Setto	2571	2566	2564	2570	62	16.0
2182	Setto	2572	2567	2568	2573	62	16.0
2183	Setto	2574	2569	2567	2572	62	16.0
2184	Setto	2575	2570	2569	2574	62	16.0
2185	Setto	2576	2571	2570	2575	62	16.0
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2201	Setto	2597	2592	2591	2596	62	16.0
2202	Setto	2598	2593	2592	2597	62	16.0
2203	Setto	2599	2586	2576	2593	62	16.0
2204	Setto	2600	2587	2586	2599	62	16.0
2205	Setto	2601	2588	2587	2600	62	16.0
2206	Setto	2602	2599	2593	2598	62	16.0
2207	Setto	2603	2600	2599	2602	62	16.0
2208	Setto	2604	2601	2600	2603	62	16.0
2209	Setto	2607	2606	2605	2608	62	16.0
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2221	Setto	2627	2623	2621	2626	62	16.0
2222	Setto	2628	2625	2623	2627	62	16.0
2223	Setto	2631	2630	2629	2632	62	16.0
2224	Setto	2634	2633	2630	2631	62	16.0
2225	Setto	2636	2635	2633	2634	62	16.0
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2232	Setto	2646	2641	2639	2644	62	16.0
2233	Setto	2647	2642	2641	2646	62	16.0
2234	Setto	2648	2643	2642	2647	62	16.0
2235	Setto	2650	2649	2637	2638	62	16.0
2236	Setto	2652	2651	2649	2650	62	16.0
2237	Setto	2654	2653	2651	2652	62	16.0
2238	Setto	2655	2650	2638	2643	62	16.0
2239	Setto	2656	2652	2650	2655	62	16.0
2240	Setto	2657	2654	2652	2656	62	16.0
2241	Setto	2658	2655	2643	2648	62	16.0
2242	Setto	2659	2656	2655	2658	62	16.0
2243	Setto	2660	2657	2656	2659	62	16.0
2244	Setto	2661	2644	2645	2662	62	16.0
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2246	Setto	2664	2647	2646	2663	62	16.0
2247	Setto	2665	2648	2647	2664	62	16.0
2248	Setto	2666	2661	2662	2667	62	16.0

2249	Setto	2668	2663	2661	2666	62	16.0
2250	Setto	2669	2664	2663	2668	62	16.0
2251	Setto	2670	2665	2664	2669	62	16.0
2252	Setto	2671	2658	2648	2665	62	16.0
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2263	Setto	2689	2682	2679	2687	62	16.0
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2268	Setto	2697	2696	2694	2695	62	16.0
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2270	Setto	2699	2695	2693	2698	62	16.0
2271	Setto	2700	2697	2695	2699	62	16.0
2272	Setto	2703	2702	2701	2704	62	16.0
2273	Setto	2706	2705	2702	2703	62	16.0
2274	Setto	2708	2707	2705	2706	62	16.0
2275	Setto	2710	2709	2707	2708	62	16.0
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2280	Setto	2717	2716	2709	2710	62	16.0
2281	Setto	2719	2718	2716	2717	62	16.0
2282	Setto	2721	2720	2718	2719	62	16.0
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2295	Setto	2735	2730	2732	2736	62	16.0
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2299	Setto	2739	2722	2723	2740	62	16.0
2300	Setto	2740	2723	2724	2741	62	16.0
2301	Setto	2734	2729	2739	2742	62	16.0
2302	Setto	2742	2739	2740	2743	62	16.0
2303	Setto	2743	2740	2741	2744	62	16.0
2304	Setto	2738	2734	2742	2745	62	16.0
2305	Setto	2745	2742	2743	2746	62	16.0
2306	Setto	2746	2743	2744	2747	62	16.0
2307	Setto	206	205	2735	2748	62	16.0
2308	Setto	2748	2735	2736	2749	62	16.0
2309	Setto	2749	2736	2737	2750	62	16.0
2310	Setto	2750	2737	2738	2751	62	16.0
2311	Setto	209	206	2748	2752	62	16.0
2312	Setto	2752	2748	2749	2753	62	16.0
2313	Setto	2753	2749	2750	2754	62	16.0
2314	Setto	2754	2750	2751	2755	62	16.0
2315	Setto	212	209	2752	2756	62	16.0
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2317	Setto	2757	2753	2754	2758	62	16.0
2318	Setto	2758	2754	2755	2759	62	16.0
2319	Setto	215	212	2756	2760	62	16.0
2320	Setto	2760	2756	2757	2761	62	16.0
2321	Setto	2761	2757	2758	2762	62	16.0
2322	Setto	2762	2758	2759	2763	62	16.0
2323	Setto	218	215	2760	2764	62	16.0

2324	Setto	2764	2760	2761	2765	62	16.0
2325	Setto	2765	2761	2762	2766	62	16.0
2326	Setto	2766	2762	2763	2767	62	16.0
2327	Setto	221	218	2764	2768	62	16.0
2328	Setto	2768	2764	2765	2769	62	16.0
2329	Setto	2769	2765	2766	2770	62	16.0
2330	Setto	2770	2766	2767	2771	62	16.0
2331	Setto	224	221	2768	2772	62	16.0
2332	Setto	2772	2768	2769	2773	62	16.0
2333	Setto	2773	2769	2770	2774	62	16.0
2334	Setto	2774	2770	2771	2775	62	16.0
2335	Setto	227	224	2772	2776	62	16.0
2336	Setto	2776	2772	2773	2777	62	16.0
2337	Setto	2777	2773	2774	2778	62	16.0
2338	Setto	2778	2774	2775	2779	62	16.0
2339	Setto	230	227	2776	2780	62	16.0
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2342	Setto	2782	2778	2779	2783	62	16.0
2343	Setto	233	230	2780	2784	62	16.0
2344	Setto	2784	2780	2781	2785	62	16.0
2345	Setto	2785	2781	2782	2786	62	16.0
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2353	Setto	2759	2755	2791	2794	62	16.0
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2356	Setto	2763	2759	2794	2797	62	16.0
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2359	Setto	2767	2763	2797	2800	62	16.0
2360	Setto	2800	2797	2798	2801	62	16.0
2361	Setto	2801	2798	2799	2802	62	16.0
2362	Setto	2771	2767	2800	2803	62	16.0
2363	Setto	2803	2800	2801	2804	62	16.0
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2365	Setto	2775	2771	2803	2806	62	16.0
2366	Setto	2806	2803	2804	2807	62	16.0
2367	Setto	2807	2804	2805	2808	62	16.0
2368	Setto	2779	2775	2806	2809	62	16.0
2369	Setto	2809	2806	2807	2810	62	16.0
2370	Setto	2810	2807	2808	2811	62	16.0
2371	Setto	2783	2779	2809	2812	62	16.0
2372	Setto	2812	2809	2810	2813	62	16.0
2373	Setto	2813	2810	2811	2814	62	16.0
2374	Setto	2787	2783	2812	2815	62	16.0
2375	Setto	2815	2812	2813	2816	62	16.0
2376	Setto	2816	2813	2814	2817	62	16.0
2377	Setto	2136	233	2784	2137	62	16.0
2378	Setto	2137	2784	2785	2140	62	16.0
2379	Setto	2140	2785	2786	2142	62	16.0
2380	Setto	2142	2786	2787	2144	62	16.0
2381	Setto	2144	2787	2815	2196	62	16.0
2382	Setto	2196	2815	2816	2198	62	16.0
2383	Setto	2198	2816	2817	2200	62	16.0
2384	Setto	2819	2645	2644	2818	62	16.0
2385	Setto	2818	2644	2646	2820	62	16.0
2386	Setto	2820	2646	2647	2821	62	16.0
2387	Setto	2821	2647	2648	2822	62	16.0
2388	Setto	2824	2819	2818	2823	62	16.0
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2391	Setto	2826	2821	2822	2827	62	16.0
2392	Setto	277	2824	2823	2828	62	16.0
2393	Setto	2828	2823	2825	2829	62	16.0
2394	Setto	2829	2825	2826	2830	62	16.0
2395	Setto	2830	2826	2827	2831	62	16.0
2396	Setto	2822	2648	2658	2832	62	16.0
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2399	Setto	2827	2822	2832	2835	62	16.0
2400	Setto	2835	2832	2833	2836	62	16.0
2401	Setto	2836	2833	2834	2837	62	16.0
2402	Setto	2831	2827	2835	2838	62	16.0
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2405	Setto	348	277	2828	2841	62	16.0
2406	Setto	2841	2828	2829	2842	62	16.0
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2408	Setto	2843	2830	2831	2844	62	16.0
2409	Setto	351	348	2841	2845	62	16.0
2410	Setto	2845	2841	2842	2846	62	16.0
2411	Setto	2846	2842	2843	2847	62	16.0
2412	Setto	2847	2843	2844	2848	62	16.0
2413	Setto	354	351	2845	2849	62	16.0
2414	Setto	2849	2845	2846	2850	62	16.0
2415	Setto	2850	2846	2847	2851	62	16.0
2416	Setto	2851	2847	2848	2852	62	16.0
2417	Setto	357	354	2849	2853	62	16.0
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2421	Setto	360	357	2853	2857	62	16.0
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2460	Setto	400	2897	2896	2901	62	16.0
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2462	Setto	2902	2898	2899	2903	62	16.0
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2473	Setto	2895	2890	2911	2914	62	16.0

2474	Setto	2914	2911	2912	2915	62	16.0
2475	Setto	2915	2912	2913	2916	62	16.0
2476	Setto	2900	2895	2914	2917	62	16.0
2477	Setto	2917	2914	2915	2918	62	16.0
2478	Setto	2918	2915	2916	2919	62	16.0
2479	Setto	2904	2900	2917	2920	62	16.0
2480	Setto	2920	2917	2918	2921	62	16.0
2481	Setto	2921	2918	2919	2922	62	16.0
2482	Setto	401	400	2901	2234	62	16.0
2483	Setto	2234	2901	2902	2237	62	16.0
2484	Setto	2237	2902	2903	2239	62	16.0
2485	Setto	2239	2903	2904	2241	62	16.0
2486	Setto	2241	2904	2920	2243	62	16.0
2487	Setto	2243	2920	2921	2245	62	16.0
2488	Setto	2245	2921	2922	2247	62	16.0
2489	Setto	2926	55	1896	2925	62	16.0
2490	Setto	2925	1896	1897	2928	62	16.0
2491	Setto	2928	1897	1898	2930	62	16.0
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2493	Setto	2934	2926	2925	2933	62	16.0
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2495	Setto	2935	2928	2930	2936	62	16.0
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2499	Setto	2940	2935	2936	2941	62	16.0
2500	Setto	2941	2936	2937	2942	62	16.0
2501	Setto	2944	2939	2938	2943	62	16.0
2502	Setto	2943	2938	2940	2945	62	16.0
2503	Setto	2945	2940	2941	2946	62	16.0
2504	Setto	2946	2941	2942	2947	62	16.0
2505	Setto	1106	2944	2943	2948	62	16.0
2506	Setto	2948	2943	2945	2949	62	16.0
2507	Setto	2949	2945	2946	2950	62	16.0
2508	Setto	2950	2946	2947	2951	62	16.0
2509	Setto	2932	1899	1927	2953	62	16.0
2510	Setto	2953	1927	1928	2955	62	16.0
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2524	Setto	1394	1106	2948	2970	62	16.0
2525	Setto	2970	2948	2949	2971	62	16.0
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2528	Setto	1397	1394	2970	2974	62	16.0
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2535	Setto	2980	2976	2977	2981	62	16.0
2536	Setto	1403	1400	2978	2982	62	16.0
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2540	Setto	1406	1403	2982	2986	62	16.0
2541	Setto	2986	2982	2983	2987	62	16.0
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2544	Setto	1409	1406	2986	2990	62	16.0
2545	Setto	2990	2986	2987	2991	62	16.0
2546	Setto	2991	2987	2988	2992	62	16.0
2547	Setto	2992	2988	2989	2993	62	16.0
2548	Setto	1412	1409	2990	2994	62	16.0

2549	Setto	2994	2990	2991	2995	62	16.0
2550	Setto	2995	2991	2992	2996	62	16.0
2551	Setto	2996	2992	2993	2997	62	16.0
2552	Setto	2973	2951	2967	2998	62	16.0
2553	Setto	2998	2967	2968	2999	62	16.0
2554	Setto	2999	2968	2969	3000	62	16.0
2555	Setto	2977	2973	2998	3001	62	16.0
2556	Setto	3001	2998	2999	3002	62	16.0
2557	Setto	3002	2999	3000	3003	62	16.0
2558	Setto	2981	2977	3001	3004	62	16.0
2559	Setto	3004	3001	3002	3005	62	16.0
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2561	Setto	2985	2981	3004	3007	62	16.0
2562	Setto	3007	3004	3005	3008	62	16.0
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2566	Setto	3011	3008	3009	3012	62	16.0
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2570	Setto	2997	2993	3013	3016	62	16.0
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2573	Setto	3020	1412	2994	3019	62	16.0
2574	Setto	3019	2994	2995	3021	62	16.0
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2576	Setto	3022	2996	2997	3023	62	16.0
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2579	Setto	3026	3021	3022	3027	62	16.0
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2585	Setto	3023	2997	3016	3034	62	16.0
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2597	Setto	3046	2575	2576	3047	62	16.0
2598	Setto	3049	3044	3043	3048	62	16.0
2599	Setto	3048	3043	3045	3050	62	16.0
2600	Setto	3050	3045	3046	3051	62	16.0
2601	Setto	3051	3046	3047	3052	62	16.0
2602	Setto	301	3049	3048	3053	62	16.0
2603	Setto	3053	3048	3050	3054	62	16.0
2604	Setto	3054	3050	3051	3055	62	16.0
2605	Setto	3055	3051	3052	3056	62	16.0
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2614	Setto	3064	3061	3062	3065	62	16.0
2615	Setto	444	301	3053	3066	62	16.0
2616	Setto	3066	3053	3054	3067	62	16.0
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2618	Setto	3068	3055	3056	3069	62	16.0
2619	Setto	447	444	3066	3070	62	16.0
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2621	Setto	3071	3067	3068	3072	62	16.0
2622	Setto	3072	3068	3069	3073	62	16.0
2623	Setto	450	447	3070	3074	62	16.0

2624	Setto	3074	3070	3071	3075	62	16.0
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2626	Setto	3076	3072	3073	3077	62	16.0
2627	Setto	453	450	3074	3078	62	16.0
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2629	Setto	3079	3075	3076	3080	62	16.0
2630	Setto	3080	3076	3077	3081	62	16.0
2631	Setto	456	453	3078	3082	62	16.0
2632	Setto	3082	3078	3079	3083	62	16.0
2633	Setto	3083	3079	3080	3084	62	16.0
2634	Setto	3084	3080	3081	3085	62	16.0
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2641	Setto	3077	3073	3089	3092	62	16.0
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2649	Setto	3099	3096	3097	3100	62	16.0
2650	Setto	3102	456	3082	3101	62	16.0
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2656	Setto	3108	3103	3104	3109	62	16.0
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2658	Setto	3112	3107	3106	3111	62	16.0
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2662	Setto	3117	3112	3111	3116	62	16.0
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2666	Setto	3122	3117	3116	3121	62	16.0
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2670	Setto	572	2956	2954	571	62	16.0
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2677	Setto	3110	3105	3130	3133	62	16.0
2678	Setto	3133	3130	3131	3134	62	16.0
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2686	Setto	3125	3120	3139	3142	62	16.0
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2688	Setto	3143	3140	3141	3144	62	16.0
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2693	Setto	2346	3126	3127	2348	62	16.0
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2695	Setto	2349	3128	3129	2350	62	16.0
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2697	Setto	2357	3145	3146	2358	62	16.0
2698	Setto	2358	3146	3147	2359	62	16.0

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2700	Setto	3148	1992	1993	3150	62	16.0
2701	Setto	3150	1993	1994	3151	62	16.0
2702	Setto	3151	1994	1995	3152	62	16.0
2703	Setto	3154	3149	3148	3153	62	16.0
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2705	Setto	3155	3150	3151	3156	62	16.0
2706	Setto	3156	3151	3152	3157	62	16.0
2707	Setto	3159	3154	3153	3158	62	16.0
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2734	Setto	1457	1217	3168	3187	62	16.0
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2738	Setto	1460	1457	3187	3191	62	16.0
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2774	Setto	3206	3202	3224	3227	62	16.0
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2776	Setto	3228	3225	3226	3229	62	16.0
2777	Setto	3210	3206	3227	3230	62	16.0
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2781	Setto	3233	3230	3231	3234	62	16.0
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2783	Setto	3237	1475	3211	3236	62	16.0
2784	Setto	3236	3211	3212	3238	62	16.0
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2798	Setto	3245	3240	3251	3254	62	16.0
2799	Setto	3254	3251	3252	3255	62	16.0
2800	Setto	3255	3252	3253	3256	62	16.0
2801	Setto	3250	3245	3254	3257	62	16.0
2802	Setto	3257	3254	3255	3258	62	16.0
2803	Setto	3258	3255	3256	3259	62	16.0
2804	Setto	3261	112	1832	3260	62	16.0
2805	Setto	3260	1832	1834	3262	62	16.0
2806	Setto	3262	1834	1836	3263	62	16.0
2807	Setto	3263	1836	1838	3264	62	16.0
2808	Setto	3266	3261	3260	3265	62	16.0
2809	Setto	3265	3260	3262	3267	62	16.0
2810	Setto	3267	3262	3263	3268	62	16.0
2811	Setto	3268	3263	3264	3269	62	16.0
2812	Setto	3271	3266	3265	3270	62	16.0
2813	Setto	3270	3265	3267	3272	62	16.0
2814	Setto	3272	3267	3268	3273	62	16.0
2815	Setto	3273	3268	3269	3274	62	16.0
2816	Setto	3276	3271	3270	3275	62	16.0
2817	Setto	3275	3270	3272	3277	62	16.0
2818	Setto	3277	3272	3273	3278	62	16.0
2819	Setto	3278	3273	3274	3279	62	16.0
2820	Setto	998	3276	3275	3280	62	16.0
2821	Setto	3280	3275	3277	3281	62	16.0
2822	Setto	3281	3277	3278	3282	62	16.0
2823	Setto	3282	3278	3279	3283	62	16.0
2824	Setto	3264	1838	1848	3284	62	16.0
2825	Setto	3284	1848	1850	3285	62	16.0
2826	Setto	3285	1850	1852	3286	62	16.0
2827	Setto	3269	3264	3284	3287	62	16.0
2828	Setto	3287	3284	3285	3288	62	16.0
2829	Setto	3288	3285	3286	3289	62	16.0
2830	Setto	3274	3269	3287	3290	62	16.0
2831	Setto	3290	3287	3288	3291	62	16.0
2832	Setto	3291	3288	3289	3292	62	16.0
2833	Setto	3279	3274	3290	3293	62	16.0
2834	Setto	3293	3290	3291	3294	62	16.0
2835	Setto	3294	3291	3292	3295	62	16.0
2836	Setto	3283	3279	3293	3296	62	16.0
2837	Setto	3296	3293	3294	3297	62	16.0
2838	Setto	3297	3294	3295	3298	62	16.0
2839	Setto	995	998	3280	3299	62	16.0
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2841	Setto	3300	3281	3282	3301	62	16.0
2842	Setto	3301	3282	3283	3302	62	16.0
2843	Setto	992	995	3299	3303	62	16.0
2844	Setto	3303	3299	3300	3304	62	16.0
2845	Setto	3304	3300	3301	3305	62	16.0
2846	Setto	3305	3301	3302	3306	62	16.0
2847	Setto	989	992	3303	3307	62	16.0
2848	Setto	3307	3303	3304	3308	62	16.0

2849	Setto	3308	3304	3305	3309	62	16.0
2850	Setto	3309	3305	3306	3310	62	16.0
2851	Setto	986	989	3307	3311	62	16.0
2852	Setto	3311	3307	3308	3312	62	16.0
2853	Setto	3312	3308	3309	3313	62	16.0
2854	Setto	3313	3309	3310	3314	62	16.0
2855	Setto	983	986	3311	3315	62	16.0
2856	Setto	3315	3311	3312	3316	62	16.0
2857	Setto	3316	3312	3313	3317	62	16.0
2858	Setto	3317	3313	3314	3318	62	16.0
2859	Setto	980	983	3315	3319	62	16.0
2860	Setto	3319	3315	3316	3320	62	16.0
2861	Setto	3320	3316	3317	3321	62	16.0
2862	Setto	3321	3317	3318	3322	62	16.0
2863	Setto	689	980	3319	3323	62	16.0
2864	Setto	3323	3319	3320	3324	62	16.0
2865	Setto	3324	3320	3321	3325	62	16.0
2866	Setto	3325	3321	3322	3326	62	16.0
2867	Setto	3302	3283	3296	3327	62	16.0
2868	Setto	3327	3296	3297	3328	62	16.0
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2870	Setto	3306	3302	3327	3330	62	16.0
2871	Setto	3330	3327	3328	3331	62	16.0
2872	Setto	3331	3328	3329	3332	62	16.0
2873	Setto	3310	3306	3330	3333	62	16.0
2874	Setto	3333	3330	3331	3334	62	16.0
2875	Setto	3334	3331	3332	3335	62	16.0
2876	Setto	3314	3310	3333	3336	62	16.0
2877	Setto	3336	3333	3334	3337	62	16.0
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2879	Setto	3318	3314	3336	3339	62	16.0
2880	Setto	3339	3336	3337	3340	62	16.0
2881	Setto	3340	3337	3338	3341	62	16.0
2882	Setto	3322	3318	3339	3342	62	16.0
2883	Setto	3342	3339	3340	3343	62	16.0
2884	Setto	3343	3340	3341	3344	62	16.0
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2886	Setto	3345	3342	3343	3346	62	16.0
2887	Setto	3346	3343	3344	3347	62	16.0
2888	Setto	3349	689	3323	3348	62	16.0
2889	Setto	3348	3323	3324	3350	62	16.0
2890	Setto	3350	3324	3325	3351	62	16.0
2891	Setto	3351	3325	3326	3352	62	16.0
2892	Setto	3354	3349	3348	3353	62	16.0
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2894	Setto	3355	3350	3351	3356	62	16.0
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2899	Setto	3361	3356	3357	3362	62	16.0
2900	Setto	3352	3326	3345	3363	62	16.0
2901	Setto	3363	3345	3346	3364	62	16.0
2902	Setto	3364	3346	3347	3365	62	16.0
2903	Setto	3357	3352	3363	3366	62	16.0
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2905	Setto	3367	3364	3365	3368	62	16.0
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2921	Setto	3383	3386	3385	3382	62	16.0
2922	Setto	3384	3387	3386	3383	62	16.0
2923	Setto	3389	3390	3391	3388	62	16.0

2924	Setto	3392	3393	3390	3389	62	16.0
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2926	Setto	3396	3397	3395	3394	62	16.0
2927	Setto	3390	3398	3399	3391	62	16.0
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2932	Setto	3405	3406	3404	3403	62	16.0
2933	Setto	3407	3408	3406	3405	62	16.0
2934	Setto	3404	3409	3402	3397	62	16.0
2935	Setto	3406	3410	3409	3404	62	16.0
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2937	Setto	3413	3414	3415	3412	62	16.0
2938	Setto	3416	3417	3414	3413	62	16.0
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3001	Setto	3494	3246	3247	3495	62	16.0
3002	Setto	3496	3248	3246	3494	62	16.0
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3026	Setto	3257	3523	3512	3250	62	16.0
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3127	Setto	3622	3626	3646	3643	62	16.0
3128	Setto	3643	3646	3647	3644	62	16.0
3129	Setto	3644	3647	3648	3645	62	16.0
3130	Setto	3626	3630	3649	3646	62	16.0
3131	Setto	3646	3649	3650	3647	62	16.0
3132	Setto	3647	3650	3651	3648	62	16.0
3133	Setto	1337	3653	3652	3627	62	16.0
3134	Setto	3627	3652	3654	3628	62	16.0
3135	Setto	3628	3654	3655	3629	62	16.0
3136	Setto	3629	3655	3656	3630	62	16.0
3137	Setto	3653	3658	3657	3652	62	16.0
3138	Setto	3652	3657	3659	3654	62	16.0
3139	Setto	3654	3659	3660	3655	62	16.0
3140	Setto	3655	3660	3661	3656	62	16.0
3141	Setto	3658	3663	3662	3657	62	16.0
3142	Setto	3657	3662	3664	3659	62	16.0
3143	Setto	3659	3664	3665	3660	62	16.0
3144	Setto	3660	3665	3666	3661	62	16.0
3145	Setto	3663	3668	3667	3662	62	16.0
3146	Setto	3662	3667	3669	3664	62	16.0
3147	Setto	3664	3669	3670	3665	62	16.0
3148	Setto	3665	3670	3671	3666	62	16.0

3149	Setto	3668	648	2088	3667	62	16.0
3150	Setto	3667	2088	2089	3669	62	16.0
3151	Setto	3669	2089	2090	3670	62	16.0
3152	Setto	3670	2090	2091	3671	62	16.0
3153	Setto	3630	3656	3672	3649	62	16.0
3154	Setto	3649	3672	3673	3650	62	16.0
3155	Setto	3650	3673	3674	3651	62	16.0
3156	Setto	3656	3661	3675	3672	62	16.0
3157	Setto	3672	3675	3676	3673	62	16.0
3158	Setto	3673	3676	3677	3674	62	16.0
3159	Setto	3661	3666	3678	3675	62	16.0
3160	Setto	3675	3678	3679	3676	62	16.0
3161	Setto	3676	3679	3680	3677	62	16.0
3162	Setto	3666	3671	3681	3678	62	16.0
3163	Setto	3678	3681	3682	3679	62	16.0
3164	Setto	3679	3682	3683	3680	62	16.0
3165	Setto	3671	2091	2125	3681	62	16.0
3166	Setto	3681	2125	2126	3682	62	16.0
3167	Setto	3682	2126	2127	3683	62	16.0
3168	Setto	235	3684	2136	236	62	16.0
3169	Setto	234	3685	3684	235	62	16.0
3170	Setto	180	3686	3685	234	62	16.0
3171	Setto	179	3687	3686	180	62	16.0
3172	Setto	178	2927	3687	179	62	16.0
3173	Setto	176	2929	2927	178	62	16.0
3174	Setto	177	2931	2929	176	62	16.0
3175	Setto	632	2952	2368	633	62	16.0
3176	Setto	631	2923	2952	632	62	16.0
3177	Setto	575	2347	2923	631	62	16.0
3178	Setto	573	2924	2235	574	62	16.0
3179	Setto	574	2235	2347	575	62	16.0
3180	Setto	502	501	3126	2346	62	16.0
3181	Setto	501	3122	3121	3126	62	16.0
3182	Setto	3688	3689	1853	1852	62	16.0
3183	Setto	3690	3691	3689	3688	62	16.0
3184	Setto	3692	3693	3691	3690	62	16.0
3185	Setto	3694	3695	3693	3692	62	16.0
3186	Setto	3689	3696	1856	1853	62	16.0
3187	Setto	3691	3697	3696	3689	62	16.0
3188	Setto	3693	3698	3697	3691	62	16.0
3189	Setto	3695	3699	3698	3693	62	16.0
3190	Setto	3696	3700	1859	1856	62	16.0
3191	Setto	3697	3701	3700	3696	62	16.0
3192	Setto	3698	3702	3701	3697	62	16.0
3193	Setto	3699	3703	3702	3698	62	16.0
3194	Setto	3704	3705	3695	3694	62	16.0
3195	Setto	3706	3707	3705	3704	62	16.0
3196	Setto	3708	3709	3707	3706	62	16.0
3197	Setto	3705	3710	3699	3695	62	16.0
3198	Setto	3707	3711	3710	3705	62	16.0
3199	Setto	3709	3712	3711	3707	62	16.0
3200	Setto	3710	3713	3703	3699	62	16.0
3201	Setto	3711	3714	3713	3710	62	16.0
3202	Setto	3712	3715	3714	3711	62	16.0
3203	Setto	3716	3717	1905	1904	62	16.0
3204	Setto	3718	3719	3717	3716	62	16.0
3205	Setto	3720	3721	3719	3718	62	16.0
3206	Setto	3722	3723	3721	3720	62	16.0
3207	Setto	3717	3724	1908	1905	62	16.0
3208	Setto	3719	3725	3724	3717	62	16.0
3209	Setto	3721	3726	3725	3719	62	16.0
3210	Setto	3723	3727	3726	3721	62	16.0
3211	Setto	3724	3728	1911	1908	62	16.0
3212	Setto	3725	3729	3728	3724	62	16.0
3213	Setto	3726	3730	3729	3725	62	16.0
3214	Setto	3727	3731	3730	3726	62	16.0
3215	Setto	3728	3732	1914	1911	62	16.0
3216	Setto	3729	3733	3732	3728	62	16.0
3217	Setto	3730	3734	3733	3729	62	16.0
3218	Setto	3731	3735	3734	3730	62	16.0
3219	Setto	3732	3736	1917	1914	62	16.0
3220	Setto	3733	3737	3736	3732	62	16.0
3221	Setto	3734	3738	3737	3733	62	16.0
3222	Setto	3735	3739	3738	3734	62	16.0
3223	Setto	3736	3740	1920	1917	62	16.0

3224	Setto	3737	3741	3740	3736	62	16.0
3225	Setto	3738	3742	3741	3737	62	16.0
3226	Setto	3739	3743	3742	3738	62	16.0
3227	Setto	3740	3744	1923	1920	62	16.0
3228	Setto	3741	3745	3744	3740	62	16.0
3229	Setto	3742	3746	3745	3741	62	16.0
3230	Setto	3743	3747	3746	3742	62	16.0
3231	Setto	3744	3748	1926	1923	62	16.0
3232	Setto	3745	3749	3748	3744	62	16.0
3233	Setto	3746	3750	3749	3745	62	16.0
3234	Setto	3747	3751	3750	3746	62	16.0
3235	Setto	3748	3752	1929	1926	62	16.0
3236	Setto	3749	3753	3752	3748	62	16.0
3237	Setto	3750	3754	3753	3749	62	16.0
3238	Setto	3751	3755	3754	3750	62	16.0
3239	Setto	3756	3757	3723	3722	62	16.0
3240	Setto	3758	3759	3757	3756	62	16.0
3241	Setto	3760	3761	3759	3758	62	16.0
3242	Setto	3757	3762	3727	3723	62	16.0
3243	Setto	3759	3763	3762	3757	62	16.0
3244	Setto	3761	3764	3763	3759	62	16.0
3245	Setto	3762	3765	3731	3727	62	16.0
3246	Setto	3763	3766	3765	3762	62	16.0
3247	Setto	3764	3767	3766	3763	62	16.0
3248	Setto	3765	3768	3735	3731	62	16.0
3249	Setto	3766	3769	3768	3765	62	16.0
3250	Setto	3767	3770	3769	3766	62	16.0
3251	Setto	3768	3771	3739	3735	62	16.0
3252	Setto	3769	3772	3771	3768	62	16.0
3253	Setto	3770	3773	3772	3769	62	16.0
3254	Setto	3771	3774	3743	3739	62	16.0
3255	Setto	3772	3775	3774	3771	62	16.0
3256	Setto	3773	3776	3775	3772	62	16.0
3257	Setto	3774	3777	3747	3743	62	16.0
3258	Setto	3775	3778	3777	3774	62	16.0
3259	Setto	3776	3779	3778	3775	62	16.0
3260	Setto	3777	3780	3751	3747	62	16.0
3261	Setto	3778	3781	3780	3777	62	16.0
3262	Setto	3779	3782	3781	3778	62	16.0
3263	Setto	3780	3783	3755	3751	62	16.0
3264	Setto	3781	3784	3783	3780	62	16.0
3265	Setto	3782	3785	3784	3781	62	16.0
3266	Setto	3713	3786	3787	3703	64	16.0
3267	Setto	3714	3788	3786	3713	64	16.0
3268	Setto	3715	3789	3788		64	16.0
3269	Setto	3786	3790	3791	3787	64	16.0
3270	Setto	3788	3792	3790	3786	64	16.0
3271	Setto	3789	3793	3792	3788	64	16.0
3272	Setto	3790	3756	3722	3791	64	16.0
3273	Setto	3792	3758	3756	3790	64	16.0
3274	Setto	3792	3760	3758		64	16.0
3275	Setto	3752	3794	1948	1929	62	16.0
3276	Setto	3753	3795	3794	3752	62	16.0
3277	Setto	3754	3796	3795	3753	62	16.0
3278	Setto	3755	3797	3796	3754	62	16.0
3279	Setto	3794	3798	1951	1948	62	16.0
3280	Setto	3795	3799	3798	3794	62	16.0
3281	Setto	3796	3800	3799	3795	62	16.0
3282	Setto	3797	3801	3800	3796	62	16.0
3283	Setto	3783	3802	3797	3755	62	16.0
3284	Setto	3784	3803	3802	3783	62	16.0
3285	Setto	3785	3804	3803	3784	62	16.0
3286	Setto	3802	3805	3801	3797	62	16.0
3287	Setto	3803	3806	3805	3802	62	16.0
3288	Setto	3804	3807	3806	3803	62	16.0
3289	Setto	3808	3809	2001	2000	62	16.0
3290	Setto	3810	3811	3809	3808	62	16.0
3291	Setto	3812	3813	3811	3810	62	16.0
3292	Setto	3814	3815	3813	3812	62	16.0
3293	Setto	3809	3816	2004	2001	62	16.0
3294	Setto	3811	3817	3816	3809	62	16.0
3295	Setto	3813	3818	3817	3811	62	16.0
3296	Setto	3815	3819	3818	3813	62	16.0
3297	Setto	3816	3820	2007	2004	62	16.0
3298	Setto	3817	3821	3820	3816	62	16.0

3299	Setto	3818	3822	3821	3817	62	16.0
3300	Setto	3819	3823	3822	3818	62	16.0
3301	Setto	3820	3824	2010	2007	62	16.0
3302	Setto	3821	3825	3824	3820	62	16.0
3303	Setto	3822	3826	3825	3821	62	16.0
3304	Setto	3823	3827	3826	3822	62	16.0
3305	Setto	3824	3828	2013	2010	62	16.0
3306	Setto	3825	3829	3828	3824	62	16.0
3307	Setto	3826	3830	3829	3825	62	16.0
3308	Setto	3827	3831	3830	3826	62	16.0
3309	Setto	3828	3832	2016	2013	62	16.0
3310	Setto	3829	3833	3832	3828	62	16.0
3311	Setto	3830	3834	3833	3829	62	16.0
3312	Setto	3831	3835	3834	3830	62	16.0
3313	Setto	3832	3836	2019	2016	62	16.0
3314	Setto	3833	3837	3836	3832	62	16.0
3315	Setto	3834	3838	3837	3833	62	16.0
3316	Setto	3835	3839	3838	3834	62	16.0
3317	Setto	3836	3840	2022	2019	62	16.0
3318	Setto	3837	3841	3840	3836	62	16.0
3319	Setto	3838	3842	3841	3837	62	16.0
3320	Setto	3839	3843	3842	3838	62	16.0
3321	Setto	3840	3844	2025	2022	62	16.0
3322	Setto	3841	3845	3844	3840	62	16.0
3323	Setto	3842	3846	3845	3841	62	16.0
3324	Setto	3843	3847	3846	3842	62	16.0
3325	Setto	3844	3848	2028	2025	62	16.0
3326	Setto	3845	3849	3848	3844	62	16.0
3327	Setto	3846	3850	3849	3845	62	16.0
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3329	Setto	3852	3853	3815	3814	62	16.0
3330	Setto	3854	3855	3853	3852	62	16.0
3331	Setto	3856	3857	3855	3854	62	16.0
3332	Setto	3853	3858	3819	3815	62	16.0
3333	Setto	3855	3859	3858	3853	62	16.0
3334	Setto	3857	3860	3859	3855	62	16.0
3335	Setto	3858	3861	3823	3819	62	16.0
3336	Setto	3859	3862	3861	3858	62	16.0
3337	Setto	3860	3863	3862	3859	62	16.0
3338	Setto	3861	3864	3827	3823	62	16.0
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3340	Setto	3863	3866	3865	3862	62	16.0
3341	Setto	3864	3867	3831	3827	62	16.0
3342	Setto	3865	3868	3867	3864	62	16.0
3343	Setto	3866	3869	3868	3865	62	16.0
3344	Setto	3867	3870	3835	3831	62	16.0
3345	Setto	3868	3871	3870	3867	62	16.0
3346	Setto	3869	3872	3871	3868	62	16.0
3347	Setto	3870	3873	3839	3835	62	16.0
3348	Setto	3871	3874	3873	3870	62	16.0
3349	Setto	3872	3875	3874	3871	62	16.0
3350	Setto	3873	3876	3843	3839	62	16.0
3351	Setto	3874	3877	3876	3873	62	16.0
3352	Setto	3875	3878	3877	3874	62	16.0
3353	Setto	3876	3879	3847	3843	62	16.0
3354	Setto	3877	3880	3879	3876	62	16.0
3355	Setto	3878	3881	3880	3877	62	16.0
3356	Setto	3879	3882	3851	3847	62	16.0
3357	Setto	3880	3883	3882	3879	62	16.0
3358	Setto	3881	3884	3883	3880	62	16.0
3359	Setto	3805	3885	3886	3801	64	16.0
3360	Setto	3806	3887	3885	3805	64	16.0
3361	Setto	3807	3888	3887		64	16.0
3362	Setto	3885	3889	3890	3886	64	16.0
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3366	Setto	3891	3854	3852	3889	64	16.0
3367	Setto	3891	3856	3854		64	16.0
3368	Setto	3848	3893	2043	2028	62	16.0
3369	Setto	3849	3894	3893	3848	62	16.0
3370	Setto	3850	3895	3894	3849	62	16.0
3371	Setto	3851	3896	3895	3850	62	16.0
3372	Setto	3882	3897	3896	3851	62	16.0
3373	Setto	3883	3898	3897	3882	62	16.0

3374	Setto	3884	3899	3898	3883	62	16.0
3375	Setto	3900	3901	2097	2096	62	16.0
3376	Setto	3902	3903	3901	3900	62	16.0
3377	Setto	3904	3905	3903	3902	62	16.0
3378	Setto	3906	3907	3905	3904	62	16.0
3379	Setto	3901	3908	2100	2097	62	16.0
3380	Setto	3903	3909	3908	3901	62	16.0
3381	Setto	3905	3910	3909	3903	62	16.0
3382	Setto	3907	3911	3910	3905	62	16.0
3383	Setto	3908	3912	2103	2100	62	16.0
3384	Setto	3909	3913	3912	3908	62	16.0
3385	Setto	3910	3914	3913	3909	62	16.0
3386	Setto	3911	3915	3914	3910	62	16.0
3387	Setto	3912	3916	2106	2103	62	16.0
3388	Setto	3913	3917	3916	3912	62	16.0
3389	Setto	3914	3918	3917	3913	62	16.0
3390	Setto	3915	3919	3918	3914	62	16.0
3391	Setto	3916	3920	2109	2106	62	16.0
3392	Setto	3917	3921	3920	3916	62	16.0
3393	Setto	3918	3922	3921	3917	62	16.0
3394	Setto	3919	3923	3922	3918	62	16.0
3395	Setto	3920	3924	2112	2109	62	16.0
3396	Setto	3921	3925	3924	3920	62	16.0
3397	Setto	3922	3926	3925	3921	62	16.0
3398	Setto	3923	3927	3926	3922	62	16.0
3399	Setto	3924	3928	2115	2112	62	16.0
3400	Setto	3925	3929	3928	3924	62	16.0
3401	Setto	3926	3930	3929	3925	62	16.0
3402	Setto	3927	3931	3930	3926	62	16.0
3403	Setto	3928	3932	2118	2115	62	16.0
3404	Setto	3929	3933	3932	3928	62	16.0
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3406	Setto	3931	3935	3934	3930	62	16.0
3407	Setto	3932	3936	2121	2118	62	16.0
3408	Setto	3933	3937	3936	3932	62	16.0
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3412	Setto	3937	3941	3940	3936	62	16.0
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3415	Setto	3940	3944	2127	2124	62	16.0
3416	Setto	3941	3945	3944	3940	62	16.0
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3422	Setto	3949	3954	3911	3907	62	16.0
3423	Setto	3951	3955	3954	3949	62	16.0
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3432	Setto	3961	3964	3963	3960	62	16.0
3433	Setto	3962	3965	3964	3961	62	16.0
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3439	Setto	3968	3971	3970	3967	62	16.0
3440	Setto	3969	3972	3935	3931	62	16.0
3441	Setto	3970	3973	3972	3969	62	16.0
3442	Setto	3971	3974	3973	3970	62	16.0
3443	Setto	3972	3975	3939	3935	62	16.0
3444	Setto	3973	3976	3975	3972	62	16.0
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3446	Setto	3975	3978	3943	3939	62	16.0
3447	Setto	3976	3979	3978	3975	62	16.0
3448	Setto	3977	3980	3979	3976	62	16.0

3449	Setto	3978	3981	3947	3943	62	16.0
3450	Setto	3979	3982	3981	3978	62	16.0
3451	Setto	3980	3983	3982	3979	62	16.0
3452	Setto	3897	3984	3985	3896	64	16.0
3453	Setto	3898	3986	3984	3897	64	16.0
3454	Setto	3899	3987	3986		64	16.0
3455	Setto	3984	3988	3989	3985	64	16.0
3456	Setto	3986	3990	3988	3984	64	16.0
3457	Setto	3987	3991	3990	3986	64	16.0
3458	Setto	3988	3948	3906	3989	64	16.0
3459	Setto	3990	3950	3948	3988	64	16.0
3460	Setto	3990	3952	3950		64	16.0
3461	Setto	3992	3993	2201	2200	62	16.0
3462	Setto	3994	3995	3993	3992	62	16.0
3463	Setto	3996	3997	3995	3994	62	16.0
3464	Setto	3998	3999	3997	3996	62	16.0
3465	Setto	3993	4000	2204	2201	62	16.0
3466	Setto	3995	4001	4000	3993	62	16.0
3467	Setto	3997	4002	4001	3995	62	16.0
3468	Setto	3999	4003	4002	3997	62	16.0
3469	Setto	4000	4004	2207	2204	62	16.0
3470	Setto	4001	4005	4004	4000	62	16.0
3471	Setto	4002	4006	4005	4001	62	16.0
3472	Setto	4003	4007	4006	4002	62	16.0
3473	Setto	4004	4008	2210	2207	62	16.0
3474	Setto	4005	4009	4008	4004	62	16.0
3475	Setto	4006	4010	4009	4005	62	16.0
3476	Setto	4007	4011	4010	4006	62	16.0
3477	Setto	4008	4012	2213	2210	62	16.0
3478	Setto	4009	4013	4012	4008	62	16.0
3479	Setto	4010	4014	4013	4009	62	16.0
3480	Setto	4011	4015	4014	4010	62	16.0
3481	Setto	4012	4016	2216	2213	62	16.0
3482	Setto	4013	4017	4016	4012	62	16.0
3483	Setto	4014	4018	4017	4013	62	16.0
3484	Setto	4015	4019	4018	4014	62	16.0
3485	Setto	4016	4020	2219	2216	62	16.0
3486	Setto	4017	4021	4020	4016	62	16.0
3487	Setto	4018	4022	4021	4017	62	16.0
3488	Setto	4019	4023	4022	4018	62	16.0
3489	Setto	4020	4024	2222	2219	62	16.0
3490	Setto	4021	4025	4024	4020	62	16.0
3491	Setto	4022	4026	4025	4021	62	16.0
3492	Setto	4023	4027	4026	4022	62	16.0
3493	Setto	4024	4028	2225	2222	62	16.0
3494	Setto	4025	4029	4028	4024	62	16.0
3495	Setto	4026	4030	4029	4025	62	16.0
3496	Setto	4027	4031	4030	4026	62	16.0
3497	Setto	4028	4032	2228	2225	62	16.0
3498	Setto	4029	4033	4032	4028	62	16.0
3499	Setto	4030	4034	4033	4029	62	16.0
3500	Setto	4031	4035	4034	4030	62	16.0
3501	Setto	4032	4036	2231	2228	62	16.0
3502	Setto	4033	4037	4036	4032	62	16.0
3503	Setto	4034	4038	4037	4033	62	16.0
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3507	Setto	4044	4045	4043	4042	62	16.0
3508	Setto	4041	4046	4003	3999	62	16.0
3509	Setto	4043	4047	4046	4041	62	16.0
3510	Setto	4045	4048	4047	4043	62	16.0
3511	Setto	4046	4049	4007	4003	62	16.0
3512	Setto	4047	4050	4049	4046	62	16.0
3513	Setto	4048	4051	4050	4047	62	16.0
3514	Setto	4049	4052	4011	4007	62	16.0
3515	Setto	4050	4053	4052	4049	62	16.0
3516	Setto	4051	4054	4053	4050	62	16.0
3517	Setto	4052	4055	4015	4011	62	16.0
3518	Setto	4053	4056	4055	4052	62	16.0
3519	Setto	4054	4057	4056	4053	62	16.0
3520	Setto	4055	4058	4019	4015	62	16.0
3521	Setto	4056	4059	4058	4055	62	16.0
3522	Setto	4057	4060	4059	4056	62	16.0
3523	Setto	4058	4061	4023	4019	62	16.0

3524	Setto	4059	4062	4061	4058	62	16.0
3525	Setto	4060	4063	4062	4059	62	16.0
3526	Setto	4061	4064	4027	4023	62	16.0
3527	Setto	4062	4065	4064	4061	62	16.0
3528	Setto	4063	4066	4065	4062	62	16.0
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3533	Setto	4068	4071	4070	4067	62	16.0
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3535	Setto	4070	4073	4039	4035	62	16.0
3536	Setto	4071	4074	4073	4070	62	16.0
3537	Setto	4072	4075	4074	4071	62	16.0
3538	Setto	4076	4077	2247	2246	62	16.0
3539	Setto	4078	4079	4077	4076	62	16.0
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3541	Setto	4082	4083	4081	4080	62	16.0
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3543	Setto	4086	4087	4085	4084	62	16.0
3544	Setto	4088	4089	4087	4086	62	16.0
3545	Setto	4073	4090	4091	4039	64	16.0
3546	Setto	4074	4092	4090	4073	64	16.0
3547	Setto	4075	4093	4092		64	16.0
3548	Setto	4090	4094	4095	4091	64	16.0
3549	Setto	4092	4096	4094	4090	64	16.0
3550	Setto	4093	4097	4096	4092	64	16.0
3551	Setto	4094	4084	4082	4095	64	16.0
3552	Setto	4096	4086	4084	4094	64	16.0
3553	Setto	4096	4088	4086		64	16.0
3554	Setto	4077	4098	2308	2247	62	16.0
3555	Setto	4079	4099	4098	4077	62	16.0
3556	Setto	4081	4100	4099	4079	62	16.0
3557	Setto	4083	4101	4100	4081	62	16.0
3558	Setto	4098	4102	2311	2308	62	16.0
3559	Setto	4099	4103	4102	4098	62	16.0
3560	Setto	4100	4104	4103	4099	62	16.0
3561	Setto	4101	4105	4104	4100	62	16.0
3562	Setto	4102	4106	2314	2311	62	16.0
3563	Setto	4103	4107	4106	4102	62	16.0
3564	Setto	4104	4108	4107	4103	62	16.0
3565	Setto	4105	4109	4108	4104	62	16.0
3566	Setto	4106	4110	2317	2314	62	16.0
3567	Setto	4107	4111	4110	4106	62	16.0
3568	Setto	4108	4112	4111	4107	62	16.0
3569	Setto	4109	4113	4112	4108	62	16.0
3570	Setto	4110	4114	2320	2317	62	16.0
3571	Setto	4111	4115	4114	4110	62	16.0
3572	Setto	4112	4116	4115	4111	62	16.0
3573	Setto	4113	4117	4116	4112	62	16.0
3574	Setto	4114	4118	2323	2320	62	16.0
3575	Setto	4115	4119	4118	4114	62	16.0
3576	Setto	4116	4120	4119	4115	62	16.0
3577	Setto	4117	4121	4120	4116	62	16.0
3578	Setto	4118	4122	2326	2323	62	16.0
3579	Setto	4119	4123	4122	4118	62	16.0
3580	Setto	4120	4124	4123	4119	62	16.0
3581	Setto	4121	4125	4124	4120	62	16.0
3582	Setto	4122	4126	2329	2326	62	16.0
3583	Setto	4123	4127	4126	4122	62	16.0
3584	Setto	4124	4128	4127	4123	62	16.0
3585	Setto	4125	4129	4128	4124	62	16.0
3586	Setto	4126	4130	2332	2329	62	16.0
3587	Setto	4127	4131	4130	4126	62	16.0
3588	Setto	4128	4132	4131	4127	62	16.0
3589	Setto	4129	4133	4132	4128	62	16.0
3590	Setto	4130	4134	2335	2332	62	16.0
3591	Setto	4131	4135	4134	4130	62	16.0
3592	Setto	4132	4136	4135	4131	62	16.0
3593	Setto	4133	4137	4136	4132	62	16.0
3594	Setto	4085	4138	4101	4083	62	16.0
3595	Setto	4087	4139	4138	4085	62	16.0
3596	Setto	4089	4140	4139	4087	62	16.0
3597	Setto	4138	4141	4105	4101	62	16.0
3598	Setto	4139	4142	4141	4138	62	16.0

3599	Setto	4140	4143	4142	4139	62	16.0
3600	Setto	4141	4144	4109	4105	62	16.0
3601	Setto	4142	4145	4144	4141	62	16.0
3602	Setto	4143	4146	4145	4142	62	16.0
3603	Setto	4144	4147	4113	4109	62	16.0
3604	Setto	4145	4148	4147	4144	62	16.0
3605	Setto	4146	4149	4148	4145	62	16.0
3606	Setto	4147	4150	4117	4113	62	16.0
3607	Setto	4148	4151	4150	4147	62	16.0
3608	Setto	4149	4152	4151	4148	62	16.0
3609	Setto	4150	4153	4121	4117	62	16.0
3610	Setto	4151	4154	4153	4150	62	16.0
3611	Setto	4152	4155	4154	4151	62	16.0
3612	Setto	4153	4156	4125	4121	62	16.0
3613	Setto	4154	4157	4156	4153	62	16.0
3614	Setto	4155	4158	4157	4154	62	16.0
3615	Setto	4156	4159	4129	4125	62	16.0
3616	Setto	4157	4160	4159	4156	62	16.0
3617	Setto	4158	4161	4160	4157	62	16.0
3618	Setto	4159	4162	4133	4129	62	16.0
3619	Setto	4160	4163	4162	4159	62	16.0
3620	Setto	4161	4164	4163	4160	62	16.0
3621	Setto	4162	4165	4137	4133	62	16.0
3622	Setto	4163	4166	4165	4162	62	16.0
3623	Setto	4164	4167	4166	4163	62	16.0
3624	Setto	3544	5125	5580	3542	64	16.0
3625	Setto	5125	5126	5121	5580	64	16.0
3626	Setto	5126	5127	5123	5121	64	16.0
3627	Setto	5127	3560	3557	5123	64	16.0
3628	Setto	3519	4171	4170		64	16.0
3629	Setto	4171	4173	4172	4170	64	16.0
3630	Setto	2367	2355	2353	2366	64	16.0
3631	Setto	2356	2359	2354		64	16.0
3632	Setto	4180	4181	4175	4174	64	16.0
3633	Setto	4182	4183	4181	4180	64	16.0
3634	Setto	4184	4185	4183	4182	64	16.0
3635	Setto	4181	4186	4179	4175	64	16.0
3636	Setto	4183	4187	4186	4181	64	16.0
3637	Setto	4183	4188	4187		64	16.0
3638	Setto	4165	4189	4190	4137	64	16.0
3639	Setto	4166	4191	4189	4165	64	16.0
3640	Setto	4167	4192	4191		64	16.0
3641	Setto	4189	4193	4194	4190	64	16.0
3642	Setto	4191	4195	4193	4189	64	16.0
3643	Setto	4192	4196	4195	4191	64	16.0
3644	Setto	4193	4180	4174	4194	64	16.0
3645	Setto	4195	4182	4180	4193	64	16.0
3646	Setto	5121	5123	5122	5581	64	16.0
3647	Setto	4198	4197	2402	2403	62	16.0
3648	Setto	4200	4199	4197	4198	62	16.0
3649	Setto	4202	4201	4199	4200	62	16.0
3650	Setto	4204	4203	4201	4202	62	16.0
3651	Setto	4205	4198	2403	2406	62	16.0
3652	Setto	4206	4200	4198	4205	62	16.0
3653	Setto	4207	4202	4200	4206	62	16.0
3654	Setto	4208	4204	4202	4207	62	16.0
3655	Setto	4209	4205	2406	2409	62	16.0
3656	Setto	4210	4206	4205	4209	62	16.0
3657	Setto	4211	4207	4206	4210	62	16.0
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3666	Setto	4220	4216	4215	4219	62	16.0
3667	Setto	4222	4221	4203	4204	62	16.0
3668	Setto	4224	4223	4221	4222	62	16.0
3669	Setto	4226	4225	4223	4224	62	16.0
3670	Setto	4227	4222	4204	4208	62	16.0
3671	Setto	4228	4224	4222	4227	62	16.0
3672	Setto	4229	4226	4224	4228	62	16.0
3673	Setto	4230	4227	4208	4212	62	16.0

3674	Setto	4231	4228	4227	4230	62	16.0
3675	Setto	4232	4229	4228	4231	62	16.0
3676	Setto	4233	4230	4212	4216	62	16.0
3677	Setto	4234	4231	4230	4233	62	16.0
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3679	Setto	4236	4233	4216	4220	62	16.0
3680	Setto	4237	4234	4233	4236	62	16.0
3681	Setto	4238	4235	4234	4237	62	16.0
3682	Setto	2464	2465	4240	4239	62	16.0
3683	Setto	4239	4240	4242	4241	62	16.0
3684	Setto	4241	4242	4244	4243	62	16.0
3685	Setto	4243	4244	4246	4245	62	16.0
3686	Setto	2465	2468	4247	4240	62	16.0
3687	Setto	4240	4247	4248	4242	62	16.0
3688	Setto	4242	4248	4249	4244	62	16.0
3689	Setto	4244	4249	4250	4246	62	16.0
3690	Setto	2468	2471	4251	4247	62	16.0
3691	Setto	4247	4251	4252	4248	62	16.0
3692	Setto	4248	4252	4253	4249	62	16.0
3693	Setto	4249	4253	4254	4250	62	16.0
3694	Setto	2471	2474	4255	4251	62	16.0
3695	Setto	4251	4255	4256	4252	62	16.0
3696	Setto	4252	4256	4257	4253	62	16.0
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3698	Setto	2474	2477	4259	4255	62	16.0
3699	Setto	4255	4259	4260	4256	62	16.0
3700	Setto	4256	4260	4261	4257	62	16.0
3701	Setto	4257	4261	4262	4258	62	16.0
3702	Setto	2477	2480	4263	4259	62	16.0
3703	Setto	4259	4263	4264	4260	62	16.0
3704	Setto	4260	4264	4265	4261	62	16.0
3705	Setto	4261	4265	4266	4262	62	16.0
3706	Setto	2480	2483	4267	4263	62	16.0
3707	Setto	4263	4267	4268	4264	62	16.0
3708	Setto	4264	4268	4269	4265	62	16.0
3709	Setto	4265	4269	4270	4266	62	16.0
3710	Setto	2483	2486	4271	4267	62	16.0
3711	Setto	4267	4271	4272	4268	62	16.0
3712	Setto	4268	4272	4273	4269	62	16.0
3713	Setto	4269	4273	4274	4270	62	16.0
3714	Setto	2486	2489	4275	4271	62	16.0
3715	Setto	4271	4275	4276	4272	62	16.0
3716	Setto	4272	4276	4277	4273	62	16.0
3717	Setto	4273	4277	4278	4274	62	16.0
3718	Setto	2489	2492	4279	4275	62	16.0
3719	Setto	4275	4279	4280	4276	62	16.0
3720	Setto	4276	4280	4281	4277	62	16.0
3721	Setto	4277	4281	4282	4278	62	16.0
3722	Setto	4245	4246	4284	4283	62	16.0
3723	Setto	4283	4284	4286	4285	62	16.0
3724	Setto	4285	4286	4288	4287	62	16.0
3725	Setto	4246	4250	4289	4284	62	16.0
3726	Setto	4284	4289	4290	4286	62	16.0
3727	Setto	4286	4290	4291	4288	62	16.0
3728	Setto	4250	4254	4292	4289	62	16.0
3729	Setto	4289	4292	4293	4290	62	16.0
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3731	Setto	4254	4258	4295	4292	62	16.0
3732	Setto	4292	4295	4296	4293	62	16.0
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3735	Setto	4295	4298	4299	4296	62	16.0
3736	Setto	4296	4299	4300	4297	62	16.0
3737	Setto	4262	4266	4301	4298	62	16.0
3738	Setto	4298	4301	4302	4299	62	16.0
3739	Setto	4299	4302	4303	4300	62	16.0
3740	Setto	4266	4270	4304	4301	62	16.0
3741	Setto	4301	4304	4305	4302	62	16.0
3742	Setto	4302	4305	4306	4303	62	16.0
3743	Setto	4270	4274	4307	4304	62	16.0
3744	Setto	4304	4307	4308	4305	62	16.0
3745	Setto	4305	4308	4309	4306	62	16.0
3746	Setto	4274	4278	4310	4307	62	16.0
3747	Setto	4307	4310	4311	4308	62	16.0
3748	Setto	4308	4311	4312	4309	62	16.0

3749	Setto	4278	4282	4313	4310	62	16.0
3750	Setto	4310	4313	4314	4311	62	16.0
3751	Setto	4311	4314	4315	4312	62	16.0
3752	Setto	2402	2464	4239	4197	62	16.0
3753	Setto	4197	4239	4241	4199	62	16.0
3754	Setto	4199	4241	4243	4201	62	16.0
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3756	Setto	4203	4245	4283	4221	62	16.0
3757	Setto	4221	4283	4285	4223	62	16.0
3758	Setto	4223	4285	4287	4225	62	16.0
3759	Setto	2492	2510	4316	4279	62	16.0
3760	Setto	4279	4316	4317	4280	62	16.0
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3764	Setto	4316	4320	4321	4317	62	16.0
3765	Setto	4317	4321	4322	4318	62	16.0
3766	Setto	4318	4322	4323	4319	62	16.0
3767	Setto	2513	2516	4324	4320	62	16.0
3768	Setto	4320	4324	4325	4321	62	16.0
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3770	Setto	4322	4326	4327	4323	62	16.0
3771	Setto	4282	4319	4328	4313	62	16.0
3772	Setto	4313	4328	4329	4314	62	16.0
3773	Setto	4314	4329	4330	4315	62	16.0
3774	Setto	4319	4323	4331	4328	62	16.0
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3776	Setto	4329	4332	4333	4330	62	16.0
3777	Setto	4323	4327	4334	4331	62	16.0
3778	Setto	4331	4334	4335	4332	62	16.0
3779	Setto	4332	4335	4336	4333	62	16.0
3780	Setto	5427	4371	4370		64	16.0
3781	Setto	4402	4405	4404	4401	64	16.0
3782	Setto	4405	2522	2523		64	16.0
3783	Setto	2537	4406	4400	2534	64	16.0
3784	Setto	4406	4467	4402	4400	64	16.0
3785	Setto	4467	4468	4405	4402	64	16.0
3786	Setto	4468	2524	2522	4405	64	16.0
3787	Setto	3472	255	250	3470	64	16.0
3788	Setto	4345	4334	4327	4340	64	16.0
3789	Setto	4346	4335	4334	4345	64	16.0
3790	Setto	4346	4336	4335		64	16.0
3791	Setto	4348	4345	4340	4344	64	16.0
3792	Setto	4349	4346	4345	4348	64	16.0
3793	Setto	4350	4347	4346	4349	64	16.0
3794	Setto	4352	4351	2552	2553	62	16.0
3795	Setto	4354	4353	4351	4352	62	16.0
3796	Setto	4356	4355	4353	4354	62	16.0
3797	Setto	4358	4357	4355	4356	62	16.0
3798	Setto	4359	4352	2553	2556	62	16.0
3799	Setto	4360	4354	4352	4359	62	16.0
3800	Setto	4361	4356	4354	4360	62	16.0
3801	Setto	4362	4358	4356	4361	62	16.0
3802	Setto	4364	4363	4357	4358	62	16.0
3803	Setto	4366	4365	4363	4364	62	16.0
3804	Setto	4368	4367	4365	4366	62	16.0
3805	Setto	4369	4364	4358	4362	62	16.0
3806	Setto	4370	4366	4364	4369	62	16.0
3807	Setto	4371	4368	4366	4370	62	16.0
3808	Setto	4373	4372	2581	2582	62	16.0
3809	Setto	4375	4374	4372	4373	62	16.0
3810	Setto	4377	4376	4374	4375	62	16.0
3811	Setto	4379	4378	4376	4377	62	16.0
3812	Setto	4380	4373	2582	2585	62	16.0
3813	Setto	4381	4375	4373	4380	62	16.0
3814	Setto	4382	4377	4375	4381	62	16.0
3815	Setto	4383	4379	4377	4382	62	16.0
3816	Setto	4384	4380	2585	2588	62	16.0
3817	Setto	4385	4381	4380	4384	62	16.0
3818	Setto	4386	4382	4381	4385	62	16.0
3819	Setto	4387	4383	4382	4386	62	16.0
3820	Setto	4389	4388	4378	4379	62	16.0
3821	Setto	4391	4390	4388	4389	62	16.0
3822	Setto	4393	4392	4390	4391	62	16.0
3823	Setto	4394	4389	4379	4383	62	16.0

3824	Setto	4395	4391	4389	4394	62	16.0
3825	Setto	4396	4393	4391	4395	62	16.0
3826	Setto	4397	4394	4383	4387	62	16.0
3827	Setto	4398	4395	4394	4397	62	16.0
3828	Setto	4399	4396	4395	4398	62	16.0
3829	Setto	255	2336	252	250	64	16.0
3830	Setto	2336	2337	254	252	64	16.0
3831	Setto	2337	3488	3485	254	64	16.0
3832	Setto	5216	5485	4464	5209	64	16.0
3833	Setto	5485	5486	4465	4464	64	16.0
3834	Setto	5154	5484	5481	5153	64	16.0
3835	Setto	5484	5551	5482	5481	64	16.0
3836	Setto	5551	5552	5483	5482	64	16.0
3837	Setto	4408	4397	4387	4403	64	16.0
3838	Setto	4409	4398	4397	4408	64	16.0
3839	Setto	4409	4399	4398		64	16.0
3840	Setto	4411	4408	4403	4407	64	16.0
3841	Setto	4412	4409	4408	4411	64	16.0
3842	Setto	4413	4410	4409	4412	64	16.0
3843	Setto	4415	4414	2624	2625	62	16.0
3844	Setto	4417	4416	4414	4415	62	16.0
3845	Setto	4419	4418	4416	4417	62	16.0
3846	Setto	4421	4420	4418	4419	62	16.0
3847	Setto	4422	4415	2625	2628	62	16.0
3848	Setto	4423	4417	4415	4422	62	16.0
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3853	Setto	4431	4430	4428	4429	62	16.0
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3855	Setto	4433	4429	4427	4432	62	16.0
3856	Setto	4434	4431	4429	4433	62	16.0
3857	Setto	4436	4435	2653	2654	62	16.0
3858	Setto	4438	4437	4435	4436	62	16.0
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3860	Setto	4442	4441	4439	4440	62	16.0
3861	Setto	4443	4436	2654	2657	62	16.0
3862	Setto	4444	4438	4436	4443	62	16.0
3863	Setto	4445	4440	4438	4444	62	16.0
3864	Setto	4446	4442	4440	4445	62	16.0
3865	Setto	4447	4443	2657	2660	62	16.0
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3867	Setto	4449	4445	4444	4448	62	16.0
3868	Setto	4450	4446	4445	4449	62	16.0
3869	Setto	4452	4451	4441	4442	62	16.0
3870	Setto	4454	4453	4451	4452	62	16.0
3871	Setto	4456	4455	4453	4454	62	16.0
3872	Setto	4457	4452	4442	4446	62	16.0
3873	Setto	4458	4454	4452	4457	62	16.0
3874	Setto	4459	4456	4454	4458	62	16.0
3875	Setto	4460	4457	4446	4450	62	16.0
3876	Setto	4461	4458	4457	4460	62	16.0
3877	Setto	4462	4459	4458	4461	62	16.0
3878	Setto	5552	5170	5168	5483	64	16.0
3879	Setto	5197	5250	5246	5196	64	16.0
3880	Setto	5250	5479	5248	5246	64	16.0
3881	Setto	5479	5480	5249	5248	64	16.0
3882	Setto	5249	5214	5212		64	16.0
3883	Setto	3447	5557	5556		64	16.0
3884	Setto	5557	5559	5558	5556	64	16.0
3885	Setto	4473	4462	4472		64	16.0
3886	Setto	4471	4460	4450	4466	64	16.0
3887	Setto	4472	4461	4460	4471	64	16.0
3888	Setto	4472	4462	4461		64	16.0
3889	Setto	4474	4471	4466	4470	64	16.0
3890	Setto	4475	4472	4471	4474	64	16.0
3891	Setto	4476	4473	4472	4475	64	16.0
3892	Setto	4478	4477	2696	2697	62	16.0
3893	Setto	4480	4479	4477	4478	62	16.0
3894	Setto	4482	4481	4479	4480	62	16.0
3895	Setto	4484	4483	4481	4482	62	16.0
3896	Setto	4485	4478	2697	2700	62	16.0
3897	Setto	4486	4480	4478	4485	62	16.0
3898	Setto	4487	4482	4480	4486	62	16.0

3899	Setto	4488	4484	4482	4487	62	16.0
3900	Setto	4490	4489	4483	4484	62	16.0
3901	Setto	4492	4491	4489	4490	62	16.0
3902	Setto	4494	4493	4491	4492	62	16.0
3903	Setto	4495	4490	4484	4488	62	16.0
3904	Setto	4496	4492	4490	4495	62	16.0
3905	Setto	4497	4494	4492	4496	62	16.0
3906	Setto	4499	4498	2720	2721	62	16.0
3907	Setto	4501	4500	4498	4499	62	16.0
3908	Setto	4503	4502	4500	4501	62	16.0
3909	Setto	4505	4504	4502	4503	62	16.0
3910	Setto	4506	4499	2721	2724	62	16.0
3911	Setto	4507	4501	4499	4506	62	16.0
3912	Setto	4508	4503	4501	4507	62	16.0
3913	Setto	4509	4505	4503	4508	62	16.0
3914	Setto	4511	4510	4504	4505	62	16.0
3915	Setto	4513	4512	4510	4511	62	16.0
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3917	Setto	4516	4511	4505	4509	62	16.0
3918	Setto	4517	4513	4511	4516	62	16.0
3919	Setto	4518	4515	4513	4517	62	16.0
3920	Setto	2741	2724	4506	4519	62	16.0
3921	Setto	4519	4506	4507	4520	62	16.0
3922	Setto	4520	4507	4508	4521	62	16.0
3923	Setto	4521	4508	4509	4522	62	16.0
3924	Setto	2744	2741	4519	4523	62	16.0
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3926	Setto	4524	4520	4521	4525	62	16.0
3927	Setto	4525	4521	4522	4526	62	16.0
3928	Setto	2747	2744	4523	4527	62	16.0
3929	Setto	4527	4523	4524	4528	62	16.0
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3931	Setto	4529	4525	4526	4530	62	16.0
3932	Setto	4522	4509	4516	4531	62	16.0
3933	Setto	4531	4516	4517	4532	62	16.0
3934	Setto	4532	4517	4518	4533	62	16.0
3935	Setto	4526	4522	4531	4534	62	16.0
3936	Setto	4534	4531	4532	4535	62	16.0
3937	Setto	4535	4532	4533	4536	62	16.0
3938	Setto	4530	4526	4534	4537	62	16.0
3939	Setto	4537	4534	4535	4538	62	16.0
3940	Setto	4538	4535	4536	4539	62	16.0
3941	Setto	2790	2747	4527	4540	62	16.0
3942	Setto	4540	4527	4528	4541	62	16.0
3943	Setto	4541	4528	4529	4542	62	16.0
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3947	Setto	4545	4541	4542	4546	62	16.0
3948	Setto	4546	4542	4543	4547	62	16.0
3949	Setto	2796	2793	4544	4548	62	16.0
3950	Setto	4548	4544	4545	4549	62	16.0
3951	Setto	4549	4545	4546	4550	62	16.0
3952	Setto	4550	4546	4547	4551	62	16.0
3953	Setto	2799	2796	4548	4552	62	16.0
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3955	Setto	4553	4549	4550	4554	62	16.0
3956	Setto	4554	4550	4551	4555	62	16.0
3957	Setto	2802	2799	4552	4556	62	16.0
3958	Setto	4556	4552	4553	4557	62	16.0
3959	Setto	4557	4553	4554	4558	62	16.0
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3961	Setto	2805	2802	4556	4560	62	16.0
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3963	Setto	4561	4557	4558	4562	62	16.0
3964	Setto	4562	4558	4559	4563	62	16.0
3965	Setto	2808	2805	4560	4564	62	16.0
3966	Setto	4564	4560	4561	4565	62	16.0
3967	Setto	4565	4561	4562	4566	62	16.0
3968	Setto	4566	4562	4563	4567	62	16.0
3969	Setto	2811	2808	4564	4568	62	16.0
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3971	Setto	4569	4565	4566	4570	62	16.0
3972	Setto	4570	4566	4567	4571	62	16.0
3973	Setto	2814	2811	4568	4572	62	16.0

3974	Setto	4572	4568	4569	4573	62	16.0
3975	Setto	4573	4569	4570	4574	62	16.0
3976	Setto	4574	4570	4571	4575	62	16.0
3977	Setto	2817	2814	4572	4576	62	16.0
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3979	Setto	4577	4573	4574	4578	62	16.0
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3982	Setto	4580	4537	4538	4581	62	16.0
3983	Setto	4581	4538	4539	4582	62	16.0
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3988	Setto	4586	4583	4584	4587	62	16.0
3989	Setto	4587	4584	4585	4588	62	16.0
3990	Setto	4555	4551	4586	4589	62	16.0
3991	Setto	4589	4586	4587	4590	62	16.0
3992	Setto	4590	4587	4588	4591	62	16.0
3993	Setto	4559	4555	4589	4592	62	16.0
3994	Setto	4592	4589	4590	4593	62	16.0
3995	Setto	4593	4590	4591	4594	62	16.0
3996	Setto	4563	4559	4592	4595	62	16.0
3997	Setto	4595	4592	4593	4596	62	16.0
3998	Setto	4596	4593	4594	4597	62	16.0
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4001	Setto	4599	4596	4597	4600	62	16.0
4002	Setto	4571	4567	4598	4601	62	16.0
4003	Setto	4601	4598	4599	4602	62	16.0
4004	Setto	4602	4599	4600	4603	62	16.0
4005	Setto	4575	4571	4601	4604	62	16.0
4006	Setto	4604	4601	4602	4605	62	16.0
4007	Setto	4605	4602	4603	4606	62	16.0
4008	Setto	4579	4575	4604	4607	62	16.0
4009	Setto	4607	4604	4605	4608	62	16.0
4010	Setto	4608	4605	4606	4609	62	16.0
4011	Setto	2200	2817	4576	3992	62	16.0
4012	Setto	3992	4576	4577	3994	62	16.0
4013	Setto	3994	4577	4578	3996	62	16.0
4014	Setto	3996	4578	4579	3998	62	16.0
4015	Setto	3998	4579	4607	4040	62	16.0
4016	Setto	4040	4607	4608	4042	62	16.0
4017	Setto	4042	4608	4609	4044	62	16.0
4018	Setto	2834	2660	4447	4610	62	16.0
4019	Setto	4610	4447	4448	4611	62	16.0
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4043	Setto	2866	2863	4631	4635	62	16.0
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4049	Setto	4640	4636	4637	4641	62	16.0
4050	Setto	4641	4637	4638	4642	62	16.0
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4063	Setto	4654	4651	4652	4655	62	16.0
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4065	Setto	4642	4638	4654	4657	62	16.0
4066	Setto	4657	4654	4655	4658	62	16.0
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4068	Setto	4646	4642	4657	4660	62	16.0
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4071	Setto	4650	4646	4660	4663	62	16.0
4072	Setto	4663	4660	4661	4664	62	16.0
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4074	Setto	2907	2875	4647	4666	62	16.0
4075	Setto	4666	4647	4648	4667	62	16.0
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4086	Setto	2916	2913	4674	4678	62	16.0
4087	Setto	4678	4674	4675	4679	62	16.0
4088	Setto	4679	4675	4676	4680	62	16.0
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4098	Setto	4669	4650	4663	4690	62	16.0
4099	Setto	4690	4663	4664	4691	62	16.0
4100	Setto	4691	4664	4665	4692	62	16.0
4101	Setto	4673	4669	4690	4693	62	16.0
4102	Setto	4693	4690	4691	4694	62	16.0
4103	Setto	4694	4691	4692	4695	62	16.0
4104	Setto	4677	4673	4693	4696	62	16.0
4105	Setto	4696	4693	4694	4697	62	16.0
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4107	Setto	4681	4677	4696	4699	62	16.0
4108	Setto	4699	4696	4697	4700	62	16.0
4109	Setto	4700	4697	4698	4701	62	16.0
4110	Setto	4685	4681	4699	4702	62	16.0
4111	Setto	4702	4699	4700	4703	62	16.0
4112	Setto	4703	4700	4701	4704	62	16.0
4113	Setto	4689	4685	4702	4705	62	16.0
4114	Setto	4705	4702	4703	4706	62	16.0
4115	Setto	4706	4703	4704	4707	62	16.0
4116	Setto	2247	2922	4686	4077	62	16.0
4117	Setto	4077	4686	4687	4079	62	16.0
4118	Setto	4079	4687	4688	4081	62	16.0
4119	Setto	4081	4688	4689	4083	62	16.0
4120	Setto	4083	4689	4705	4085	62	16.0
4121	Setto	4085	4705	4706	4087	62	16.0
4122	Setto	4087	4706	4707	4089	62	16.0
4123	Setto	2957	1929	3752	4708	62	16.0

4124	Setto	4708	3752	3753	4709	62	16.0
4125	Setto	4709	3753	3754	4710	62	16.0
4126	Setto	4710	3754	3755	4711	62	16.0
4127	Setto	2960	2957	4708	4712	62	16.0
4128	Setto	4712	4708	4709	4713	62	16.0
4129	Setto	4713	4709	4710	4714	62	16.0
4130	Setto	4714	4710	4711	4715	62	16.0
4131	Setto	2963	2960	4712	4716	62	16.0
4132	Setto	4716	4712	4713	4717	62	16.0
4133	Setto	4717	4713	4714	4718	62	16.0
4134	Setto	4718	4714	4715	4719	62	16.0
4135	Setto	2966	2963	4716	4720	62	16.0
4136	Setto	4720	4716	4717	4721	62	16.0
4137	Setto	4721	4717	4718	4722	62	16.0
4138	Setto	4722	4718	4719	4723	62	16.0
4139	Setto	2969	2966	4720	4724	62	16.0
4140	Setto	4724	4720	4721	4725	62	16.0
4141	Setto	4725	4721	4722	4726	62	16.0
4142	Setto	4726	4722	4723	4727	62	16.0
4143	Setto	4711	3755	3783	4728	62	16.0
4144	Setto	4728	3783	3784	4729	62	16.0
4145	Setto	4729	3784	3785	4730	62	16.0
4146	Setto	4715	4711	4728	4731	62	16.0
4147	Setto	4731	4728	4729	4732	62	16.0
4148	Setto	4732	4729	4730	4733	62	16.0
4149	Setto	4719	4715	4731	4734	62	16.0
4150	Setto	4734	4731	4732	4735	62	16.0
4151	Setto	4735	4732	4733	4736	62	16.0
4152	Setto	4723	4719	4734	4737	62	16.0
4153	Setto	4737	4734	4735	4738	62	16.0
4154	Setto	4738	4735	4736	4739	62	16.0
4155	Setto	4727	4723	4737	4740	62	16.0
4156	Setto	4740	4737	4738	4741	62	16.0
4157	Setto	4741	4738	4739	4742	62	16.0
4158	Setto	3000	2969	4724	4743	62	16.0
4159	Setto	4743	4724	4725	4744	62	16.0
4160	Setto	4744	4725	4726	4745	62	16.0
4161	Setto	4745	4726	4727	4746	62	16.0
4162	Setto	3003	3000	4743	4747	62	16.0
4163	Setto	4747	4743	4744	4748	62	16.0
4164	Setto	4748	4744	4745	4749	62	16.0
4165	Setto	4749	4745	4746	4750	62	16.0
4166	Setto	3006	3003	4747	4751	62	16.0
4167	Setto	4751	4747	4748	4752	62	16.0
4168	Setto	4752	4748	4749	4753	62	16.0
4169	Setto	4753	4749	4750	4754	62	16.0
4170	Setto	3009	3006	4751	4755	62	16.0
4171	Setto	4755	4751	4752	4756	62	16.0
4172	Setto	4756	4752	4753	4757	62	16.0
4173	Setto	4757	4753	4754	4758	62	16.0
4174	Setto	3012	3009	4755	4759	62	16.0
4175	Setto	4759	4755	4756	4760	62	16.0
4176	Setto	4760	4756	4757	4761	62	16.0
4177	Setto	4761	4757	4758	4762	62	16.0
4178	Setto	3015	3012	4759	4763	62	16.0
4179	Setto	4763	4759	4760	4764	62	16.0
4180	Setto	4764	4760	4761	4765	62	16.0
4181	Setto	4765	4761	4762	4766	62	16.0
4182	Setto	3018	3015	4763	4767	62	16.0
4183	Setto	4767	4763	4764	4768	62	16.0
4184	Setto	4768	4764	4765	4769	62	16.0
4185	Setto	4769	4765	4766	4770	62	16.0
4186	Setto	4746	4727	4740	4771	62	16.0
4187	Setto	4771	4740	4741	4772	62	16.0
4188	Setto	4772	4741	4742	4773	62	16.0
4189	Setto	4750	4746	4771	4774	62	16.0
4190	Setto	4774	4771	4772	4775	62	16.0
4191	Setto	4775	4772	4773	4776	62	16.0
4192	Setto	4754	4750	4774	4777	62	16.0
4193	Setto	4777	4774	4775	4778	62	16.0
4194	Setto	4778	4775	4776	4779	62	16.0
4195	Setto	4758	4754	4777	4780	62	16.0
4196	Setto	4780	4777	4778	4781	62	16.0
4197	Setto	4781	4778	4779	4782	62	16.0
4198	Setto	4762	4758	4780	4783	62	16.0

4199	Setto	4783	4780	4781	4784	62	16.0
4200	Setto	4784	4781	4782	4785	62	16.0
4201	Setto	4766	4762	4783	4786	62	16.0
4202	Setto	4786	4783	4784	4787	62	16.0
4203	Setto	4787	4784	4785	4788	62	16.0
4204	Setto	4770	4766	4786	4789	62	16.0
4205	Setto	4789	4786	4787	4790	62	16.0
4206	Setto	4790	4787	4788	4791	62	16.0
4207	Setto	3036	3018	4767	4792	62	16.0
4208	Setto	4792	4767	4768	4793	62	16.0
4209	Setto	4793	4768	4769	4794	62	16.0
4210	Setto	4794	4769	4770	4795	62	16.0
4211	Setto	3039	3036	4792	4796	62	16.0
4212	Setto	4796	4792	4793	4797	62	16.0
4213	Setto	4797	4793	4794	4798	62	16.0
4214	Setto	4798	4794	4795	4799	62	16.0
4215	Setto	3042	3039	4796	4800	62	16.0
4216	Setto	4800	4796	4797	4801	62	16.0
4217	Setto	4801	4797	4798	4802	62	16.0
4218	Setto	4802	4798	4799	4803	62	16.0
4219	Setto	4795	4770	4789	4804	62	16.0
4220	Setto	4804	4789	4790	4805	62	16.0
4221	Setto	4805	4790	4791	4806	62	16.0
4222	Setto	4799	4795	4804	4807	62	16.0
4223	Setto	4807	4804	4805	4808	62	16.0
4224	Setto	4808	4805	4806	4809	62	16.0
4225	Setto	4803	4799	4807	4810	62	16.0
4226	Setto	4810	4807	4808	4811	62	16.0
4227	Setto	4811	4808	4809	4812	62	16.0
4228	Setto	3059	2588	4384	4813	62	16.0
4229	Setto	4813	4384	4385	4814	62	16.0
4230	Setto	4814	4385	4386	4815	62	16.0
4231	Setto	4815	4386	4387	4816	62	16.0
4232	Setto	3062	3059	4813	4817	62	16.0
4233	Setto	4817	4813	4814	4818	62	16.0
4234	Setto	4818	4814	4815	4819	62	16.0
4235	Setto	4819	4815	4816	4820	62	16.0
4236	Setto	3065	3062	4817	4821	62	16.0
4237	Setto	4821	4817	4818	4822	62	16.0
4238	Setto	4822	4818	4819	4823	62	16.0
4239	Setto	4823	4819	4820	4824	62	16.0
4240	Setto	4816	4387	4397	4825	62	16.0
4241	Setto	4825	4397	4398	4826	62	16.0
4242	Setto	4826	4398	4399	4827	62	16.0
4243	Setto	4820	4816	4825	4828	62	16.0
4244	Setto	4828	4825	4826	4829	62	16.0
4245	Setto	4829	4826	4827	4830	62	16.0
4246	Setto	4824	4820	4828	4831	62	16.0
4247	Setto	4831	4828	4829	4832	62	16.0
4248	Setto	4832	4829	4830	4833	62	16.0
4249	Setto	3088	3065	4821	4834	62	16.0
4250	Setto	4834	4821	4822	4835	62	16.0
4251	Setto	4835	4822	4823	4836	62	16.0
4252	Setto	4836	4823	4824	4837	62	16.0
4253	Setto	3091	3088	4834	4838	62	16.0
4254	Setto	4838	4834	4835	4839	62	16.0
4255	Setto	4839	4835	4836	4840	62	16.0
4256	Setto	4840	4836	4837	4841	62	16.0
4257	Setto	3094	3091	4838	4842	62	16.0
4258	Setto	4842	4838	4839	4843	62	16.0
4259	Setto	4843	4839	4840	4844	62	16.0
4260	Setto	4844	4840	4841	4845	62	16.0
4261	Setto	3097	3094	4842	4846	62	16.0
4262	Setto	4846	4842	4843	4847	62	16.0
4263	Setto	4847	4843	4844	4848	62	16.0
4264	Setto	4848	4844	4845	4849	62	16.0
4265	Setto	3100	3097	4846	4850	62	16.0
4266	Setto	4850	4846	4847	4851	62	16.0
4267	Setto	4851	4847	4848	4852	62	16.0
4268	Setto	4852	4848	4849	4853	62	16.0
4269	Setto	4837	4824	4831	4854	62	16.0
4270	Setto	4854	4831	4832	4855	62	16.0
4271	Setto	4855	4832	4833	4856	62	16.0
4272	Setto	4841	4837	4854	4857	62	16.0
4273	Setto	4857	4854	4855	4858	62	16.0

4274	Setto	4858	4855	4856	4859	62	16.0
4275	Setto	4845	4841	4857	4860	62	16.0
4276	Setto	4860	4857	4858	4861	62	16.0
4277	Setto	4861	4858	4859	4862	62	16.0
4278	Setto	4849	4845	4860	4863	62	16.0
4279	Setto	4863	4860	4861	4864	62	16.0
4280	Setto	4864	4861	4862	4865	62	16.0
4281	Setto	4853	4849	4863	4866	62	16.0
4282	Setto	4866	4863	4864	4867	62	16.0
4283	Setto	4867	4864	4865	4868	62	16.0
4284	Setto	3132	3100	4850	4869	62	16.0
4285	Setto	4869	4850	4851	4870	62	16.0
4286	Setto	4870	4851	4852	4871	62	16.0
4287	Setto	4871	4852	4853	4872	62	16.0
4288	Setto	3135	3132	4869	4873	62	16.0
4289	Setto	4873	4869	4870	4874	62	16.0
4290	Setto	4874	4870	4871	4875	62	16.0
4291	Setto	4875	4871	4872	4876	62	16.0
4292	Setto	3138	3135	4873	4877	62	16.0
4293	Setto	4877	4873	4874	4878	62	16.0
4294	Setto	4878	4874	4875	4879	62	16.0
4295	Setto	4879	4875	4876	4880	62	16.0
4296	Setto	3141	3138	4877	4881	62	16.0
4297	Setto	4881	4877	4878	4882	62	16.0
4298	Setto	4882	4878	4879	4883	62	16.0
4299	Setto	4883	4879	4880	4884	62	16.0
4300	Setto	3144	3141	4881	4885	62	16.0
4301	Setto	4885	4881	4882	4886	62	16.0
4302	Setto	4886	4882	4883	4887	62	16.0
4303	Setto	4887	4883	4884	4888	62	16.0
4304	Setto	4889	4885	4886	4890	62	16.0
4305	Setto	4890	4886	4887	4891	62	16.0
4306	Setto	4891	4887	4888	4892	62	16.0
4307	Setto	4872	4853	4866	4893	62	16.0
4308	Setto	4893	4866	4867	4894	62	16.0
4309	Setto	4894	4867	4868	4895	62	16.0
4310	Setto	4876	4872	4893	4896	62	16.0
4311	Setto	4896	4893	4894	4897	62	16.0
4312	Setto	4897	4894	4895	4898	62	16.0
4313	Setto	4880	4876	4896	4899	62	16.0
4314	Setto	4899	4896	4897	4900	62	16.0
4315	Setto	4900	4897	4898	4901	62	16.0
4316	Setto	4884	4880	4899	4902	62	16.0
4317	Setto	4902	4899	4900	4903	62	16.0
4318	Setto	4903	4900	4901	4904	62	16.0
4319	Setto	4888	4884	4902	4905	62	16.0
4320	Setto	4905	4902	4903	4906	62	16.0
4321	Setto	4906	4903	4904	4907	62	16.0
4322	Setto	4892	4888	4905	4908	62	16.0
4323	Setto	4908	4905	4906	4909	62	16.0
4324	Setto	4909	4906	4907	4910	62	16.0
4325	Setto	4176	4889	4890	4177	62	16.0
4326	Setto	4177	4890	4891	4178	62	16.0
4327	Setto	4178	4891	4892	4179	62	16.0
4328	Setto	4179	4892	4908	4186	62	16.0
4329	Setto	4186	4908	4909	4187	62	16.0
4330	Setto	4187	4909	4910	4188	62	16.0
4331	Setto	3174	2028	3848	4911	62	16.0
4332	Setto	4911	3848	3849	4912	62	16.0
4333	Setto	4912	3849	3850	4913	62	16.0
4334	Setto	4913	3850	3851	4914	62	16.0
4335	Setto	3177	3174	4911	4915	62	16.0
4336	Setto	4915	4911	4912	4916	62	16.0
4337	Setto	4916	4912	4913	4917	62	16.0
4338	Setto	4917	4913	4914	4918	62	16.0
4339	Setto	3180	3177	4915	4919	62	16.0
4340	Setto	4919	4915	4916	4920	62	16.0
4341	Setto	4920	4916	4917	4921	62	16.0
4342	Setto	4921	4917	4918	4922	62	16.0
4343	Setto	3183	3180	4919	4923	62	16.0
4344	Setto	4923	4919	4920	4924	62	16.0
4345	Setto	4924	4920	4921	4925	62	16.0
4346	Setto	4925	4921	4922	4926	62	16.0
4347	Setto	3186	3183	4923	4927	62	16.0
4348	Setto	4927	4923	4924	4928	62	16.0

4349	Setto	4928	4924	4925	4929	62	16.0
4350	Setto	4929	4925	4926	4930	62	16.0
4351	Setto	4914	3851	3882	4931	62	16.0
4352	Setto	4931	3882	3883	4932	62	16.0
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4356	Setto	4935	4932	4933	4936	62	16.0
4357	Setto	4922	4918	4934	4937	62	16.0
4358	Setto	4937	4934	4935	4938	62	16.0
4359	Setto	4938	4935	4936	4939	62	16.0
4360	Setto	4926	4922	4937	4940	62	16.0
4361	Setto	4940	4937	4938	4941	62	16.0
4362	Setto	4941	4938	4939	4942	62	16.0
4363	Setto	4930	4926	4940	4943	62	16.0
4364	Setto	4943	4940	4941	4944	62	16.0
4365	Setto	4944	4941	4942	4945	62	16.0
4366	Setto	3217	3186	4927	4946	62	16.0
4367	Setto	4946	4927	4928	4947	62	16.0
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4373	Setto	4952	4948	4949	4953	62	16.0
4374	Setto	3223	3220	4950	4954	62	16.0
4375	Setto	4954	4950	4951	4955	62	16.0
4376	Setto	4955	4951	4952	4956	62	16.0
4377	Setto	4956	4952	4953	4957	62	16.0
4378	Setto	3226	3223	4954	4958	62	16.0
4379	Setto	4958	4954	4955	4959	62	16.0
4380	Setto	4959	4955	4956	4960	62	16.0
4381	Setto	4960	4956	4957	4961	62	16.0
4382	Setto	3229	3226	4958	4962	62	16.0
4383	Setto	4962	4958	4959	4963	62	16.0
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4387	Setto	4966	4962	4963	4967	62	16.0
4388	Setto	4967	4963	4964	4968	62	16.0
4389	Setto	4968	4964	4965	4969	62	16.0
4390	Setto	3235	3232	4966	4970	62	16.0
4391	Setto	4970	4966	4967	4971	62	16.0
4392	Setto	4971	4967	4968	4972	62	16.0
4393	Setto	4972	4968	4969	4973	62	16.0
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4396	Setto	4975	4944	4945	4976	62	16.0
4397	Setto	4953	4949	4974	4977	62	16.0
4398	Setto	4977	4974	4975	4978	62	16.0
4399	Setto	4978	4975	4976	4979	62	16.0
4400	Setto	4957	4953	4977	4980	62	16.0
4401	Setto	4980	4977	4978	4981	62	16.0
4402	Setto	4981	4978	4979	4982	62	16.0
4403	Setto	4961	4957	4980	4983	62	16.0
4404	Setto	4983	4980	4981	4984	62	16.0
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4406	Setto	4965	4961	4983	4986	62	16.0
4407	Setto	4986	4983	4984	4987	62	16.0
4408	Setto	4987	4984	4985	4988	62	16.0
4409	Setto	4969	4965	4986	4989	62	16.0
4410	Setto	4989	4986	4987	4990	62	16.0
4411	Setto	4990	4987	4988	4991	62	16.0
4412	Setto	4973	4969	4989	4992	62	16.0
4413	Setto	4992	4989	4990	4993	62	16.0
4414	Setto	4993	4990	4991	4994	62	16.0
4415	Setto	3253	3235	4970	4995	62	16.0
4416	Setto	4995	4970	4971	4996	62	16.0
4417	Setto	4996	4971	4972	4997	62	16.0
4418	Setto	4997	4972	4973	4998	62	16.0
4419	Setto	3256	3253	4995	4999	62	16.0
4420	Setto	4999	4995	4996	5000	62	16.0
4421	Setto	5000	4996	4997	5001	62	16.0
4422	Setto	5001	4997	4998	5002	62	16.0
4423	Setto	3259	3256	4999	5003	62	16.0

4424	Setto	5003	4999	5000	5004	62	16.0
4425	Setto	5004	5000	5001	5005	62	16.0
4426	Setto	5005	5001	5002	5006	62	16.0
4427	Setto	4998	4973	4992	5007	62	16.0
4428	Setto	5007	4992	4993	5008	62	16.0
4429	Setto	5008	4993	4994	5009	62	16.0
4430	Setto	5002	4998	5007	5010	62	16.0
4431	Setto	5010	5007	5008	5011	62	16.0
4432	Setto	5011	5008	5009	5012	62	16.0
4433	Setto	5006	5002	5010	5013	62	16.0
4434	Setto	5013	5010	5011	5014	62	16.0
4435	Setto	5014	5011	5012	5015	62	16.0
4436	Setto	3286	1852	3688	5016	62	16.0
4437	Setto	5016	3688	3690	5017	62	16.0
4438	Setto	5017	3690	3692	5018	62	16.0
4439	Setto	5018	3692	3694	5019	62	16.0
4440	Setto	3289	3286	5016	5020	62	16.0
4441	Setto	5020	5016	5017	5021	62	16.0
4442	Setto	5021	5017	5018	5022	62	16.0
4443	Setto	5022	5018	5019	5023	62	16.0
4444	Setto	3292	3289	5020	5024	62	16.0
4445	Setto	5024	5020	5021	5025	62	16.0
4446	Setto	5025	5021	5022	5026	62	16.0
4447	Setto	5026	5022	5023	5027	62	16.0
4448	Setto	3295	3292	5024	5028	62	16.0
4449	Setto	5028	5024	5025	5029	62	16.0
4450	Setto	5029	5025	5026	5030	62	16.0
4451	Setto	5030	5026	5027	5031	62	16.0
4452	Setto	3298	3295	5028	5032	62	16.0
4453	Setto	5032	5028	5029	5033	62	16.0
4454	Setto	5033	5029	5030	5034	62	16.0
4455	Setto	5034	5030	5031	5035	62	16.0
4456	Setto	5019	3694	3704	5036	62	16.0
4457	Setto	5036	3704	3706	5037	62	16.0
4458	Setto	5037	3706	3708	5038	62	16.0
4459	Setto	5023	5019	5036	5039	62	16.0
4460	Setto	5039	5036	5037	5040	62	16.0
4461	Setto	5040	5037	5038	5041	62	16.0
4462	Setto	5027	5023	5039	5042	62	16.0
4463	Setto	5042	5039	5040	5043	62	16.0
4464	Setto	5043	5040	5041	5044	62	16.0
4465	Setto	5031	5027	5042	5045	62	16.0
4466	Setto	5045	5042	5043	5046	62	16.0
4467	Setto	5046	5043	5044	5047	62	16.0
4468	Setto	5035	5031	5045	5048	62	16.0
4469	Setto	5048	5045	5046	5049	62	16.0
4470	Setto	5049	5046	5047	5050	62	16.0
4471	Setto	3329	3298	5032	5051	62	16.0
4472	Setto	5051	5032	5033	5052	62	16.0
4473	Setto	5052	5033	5034	5053	62	16.0
4474	Setto	5053	5034	5035	5054	62	16.0
4475	Setto	3332	3329	5051	5055	62	16.0
4476	Setto	5055	5051	5052	5056	62	16.0
4477	Setto	5056	5052	5053	5057	62	16.0
4478	Setto	5057	5053	5054	5058	62	16.0
4479	Setto	3335	3332	5055	5059	62	16.0
4480	Setto	5059	5055	5056	5060	62	16.0
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4484	Setto	5063	5059	5060	5064	62	16.0
4485	Setto	5064	5060	5061	5065	62	16.0
4486	Setto	5065	5061	5062	5066	62	16.0
4487	Setto	3341	3338	5063	5067	62	16.0
4488	Setto	5067	5063	5064	5068	62	16.0
4489	Setto	5068	5064	5065	5069	62	16.0
4490	Setto	5069	5065	5066	5070	62	16.0
4491	Setto	3344	3341	5067	5071	62	16.0
4492	Setto	5071	5067	5068	5072	62	16.0
4493	Setto	5072	5068	5069	5073	62	16.0
4494	Setto	5073	5069	5070	5074	62	16.0
4495	Setto	3347	3344	5071	5075	62	16.0
4496	Setto	5075	5071	5072	5076	62	16.0
4497	Setto	5076	5072	5073	5077	62	16.0
4498	Setto	5077	5073	5074	5078	62	16.0

4499	Setto	5054	5035	5048	5079	62	16.0
4500	Setto	5079	5048	5049	5080	62	16.0
4501	Setto	5080	5049	5050	5081	62	16.0
4502	Setto	5058	5054	5079	5082	62	16.0
4503	Setto	5082	5079	5080	5083	62	16.0
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4516	Setto	5095	5092	5093	5096	62	16.0
4517	Setto	5078	5074	5094	5097	62	16.0
4518	Setto	5097	5094	5095	5098	62	16.0
4519	Setto	5098	5095	5096	5099	62	16.0
4520	Setto	3365	3347	5075	5100	62	16.0
4521	Setto	5100	5075	5076	5101	62	16.0
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4525	Setto	5104	5100	5101	5105	62	16.0
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4527	Setto	5106	5102	5103	5107	62	16.0
4528	Setto	3371	3368	5104	5108	62	16.0
4529	Setto	5108	5104	5105	5109	62	16.0
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4531	Setto	5110	5106	5107	5111	62	16.0
4532	Setto	5103	5078	5097	5112	62	16.0
4533	Setto	5112	5097	5098	5113	62	16.0
4534	Setto	5113	5098	5099	5114	62	16.0
4535	Setto	5107	5103	5112	5115	62	16.0
4536	Setto	5115	5112	5113	5116	62	16.0
4537	Setto	5116	5113	5114	5117	62	16.0
4538	Setto	5111	5107	5115	5118	62	16.0
4539	Setto	5118	5115	5116	5119	62	16.0
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4541	Setto	3379	5499	5494	3377	64	16.0
4542	Setto	4493	5446	5443		64	16.0
4543	Setto	5446	5447	5444	5443	64	16.0
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4545	Setto	5448	4476	4475	5445	64	16.0
4546	Setto	2677	5471	5470		64	16.0
4547	Setto	5471	5473	5472	5470	64	16.0
4548	Setto	5473	5475	5474	5472	64	16.0
4549	Setto	5118	5129	5124	5111	64	16.0
4550	Setto	5119	5130	5129	5118	64	16.0
4551	Setto	5120	5131	5130		64	16.0
4552	Setto	5129	5132	5128	5124	64	16.0
4553	Setto	5130	5133	5132	5129	64	16.0
4554	Setto	5131	5134	5133	5130	64	16.0
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4556	Setto	5137	5138	5136	5135	62	16.0
4557	Setto	5139	5140	5138	5137	62	16.0
4558	Setto	5141	5142	5140	5139	62	16.0
4559	Setto	5136	5143	3411	3408	62	16.0
4560	Setto	5138	5144	5143	5136	62	16.0
4561	Setto	5140	5145	5144	5138	62	16.0
4562	Setto	5142	5146	5145	5140	62	16.0
4563	Setto	5147	5148	5142	5141	62	16.0
4564	Setto	5149	5150	5148	5147	62	16.0
4565	Setto	5151	5152	5150	5149	62	16.0
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4570	Setto	5158	5159	5157	5156	62	16.0
4571	Setto	5160	5161	5159	5158	62	16.0
4572	Setto	5162	5163	5161	5160	62	16.0
4573	Setto	5157	5164	3435	3432	62	16.0

4574	Setto	5159	5165	5164	5157	62	16.0
4575	Setto	5161	5166	5165	5159	62	16.0
4576	Setto	5163	5167	5166	5161	62	16.0
4577	Setto	5164	4800	3042	3435	62	16.0
4578	Setto	5165	4801	4800	5164	62	16.0
4579	Setto	5166	4802	4801	5165	62	16.0
4580	Setto	5167	4803	4802	5166	62	16.0
4581	Setto	5168	5169	5163	5162	62	16.0
4582	Setto	5170	5171	5169	5168	62	16.0
4583	Setto	5172	5173	5171	5170	62	16.0
4584	Setto	5169	5174	5167	5163	62	16.0
4585	Setto	5171	5175	5174	5169	62	16.0
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4587	Setto	5174	4810	4803	5167	62	16.0
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4589	Setto	5176	4812	4811	5175	62	16.0
4590	Setto	5475	2666	2667		64	16.0
4591	Setto	2681	5476	5471	2678	64	16.0
4592	Setto	5476	5477	5473	5471	64	16.0
4593	Setto	5477	5478	5475	5473	64	16.0
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4595	Setto	4196	4184	4182	4195	64	16.0
4596	Setto	4185	4188	4183		64	16.0
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4598	Setto	5454	5275	5273	5451	64	16.0
4599	Setto	4489	5440	5437	4483	64	16.0
4600	Setto	5440	5441	5438	5437	64	16.0
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4602	Setto	4810	5189	5180	4803	64	16.0
4603	Setto	4811	5190	5189	4810	64	16.0
4604	Setto	4812	5191	5190		64	16.0
4605	Setto	5189	5192	5184	5180	64	16.0
4606	Setto	5190	5193	5192	5189	64	16.0
4607	Setto	5191	5194	5193	5190	64	16.0
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4610	Setto	5194	5197	5196	5193	64	16.0
4611	Setto	5198	5199	3480	3479	62	16.0
4612	Setto	5200	5201	5199	5198	62	16.0
4613	Setto	5202	5203	5201	5200	62	16.0
4614	Setto	5204	5205	5203	5202	62	16.0
4615	Setto	5199	5206	3483	3480	62	16.0
4616	Setto	5201	5207	5206	5199	62	16.0
4617	Setto	5203	5208	5207	5201	62	16.0
4618	Setto	5205	5209	5208	5203	62	16.0
4619	Setto	5210	5211	5205	5204	62	16.0
4620	Setto	5212	5213	5211	5210	62	16.0
4621	Setto	5214	5215	5213	5212	62	16.0
4622	Setto	5211	5216	5209	5205	62	16.0
4623	Setto	5213	5217	5216	5211	62	16.0
4624	Setto	5215	5218	5217	5213	62	16.0
4625	Setto	5219	5220	3504	3503	62	16.0
4626	Setto	5221	5222	5220	5219	62	16.0
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4629	Setto	5220	5227	3507	3504	62	16.0
4630	Setto	5222	5228	5227	5220	62	16.0
4631	Setto	5224	5229	5228	5222	62	16.0
4632	Setto	5226	5230	5229	5224	62	16.0
4633	Setto	5227	5003	3259	3507	62	16.0
4634	Setto	5228	5004	5003	5227	62	16.0
4635	Setto	5229	5005	5004	5228	62	16.0
4636	Setto	5230	5006	5005	5229	62	16.0
4637	Setto	5231	5232	5226	5225	62	16.0
4638	Setto	5233	5234	5232	5231	62	16.0
4639	Setto	5235	5236	5234	5233	62	16.0
4640	Setto	5232	5237	5230	5226	62	16.0
4641	Setto	5234	5238	5237	5232	62	16.0
4642	Setto	5236	5239	5238	5234	62	16.0
4643	Setto	5237	5013	5006	5230	62	16.0
4644	Setto	5238	5014	5013	5237	62	16.0
4645	Setto	5239	5015	5014	5238	62	16.0
4646	Setto	5442	4474	4470	5439	64	16.0
4647	Setto	4491	5443	5440	4489	64	16.0
4648	Setto	5443	5444	5441	5440	64	16.0

4649	Setto	5444	5445	5442	5441	64	16.0
4650	Setto	5445	4475	4474	5442	64	16.0
4651	Setto	5499	5500	5496	5494	64	16.0
4652	Setto	5500	5501	5498	5496	64	16.0
4653	Setto	2533	4400	4343		64	16.0
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4655	Setto	4392	5428	5425		64	16.0
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4657	Setto	5429	5430	5427	5426	64	16.0
4658	Setto	5013	5252	5243	5006	64	16.0
4659	Setto	5014	5253	5252	5013	64	16.0
4660	Setto	5015	5254	5253		64	16.0
4661	Setto	5252	5255	5247	5243	64	16.0
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4664	Setto	5255	5258	5251	5247	64	16.0
4665	Setto	5256	5259	5258	5255	64	16.0
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4667	Setto	5261	5262	3552	3551	62	16.0
4668	Setto	5263	5264	5262	5261	62	16.0
4669	Setto	5265	5266	5264	5263	62	16.0
4670	Setto	5267	5268	5266	5265	62	16.0
4671	Setto	5262	5269	3555	3552	62	16.0
4672	Setto	5264	5270	5269	5262	62	16.0
4673	Setto	5266	5271	5270	5264	62	16.0
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4675	Setto	5273	5274	5268	5267	62	16.0
4676	Setto	5275	5276	5274	5273	62	16.0
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4679	Setto	5276	5280	5279	5274	62	16.0
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4682	Setto	5284	5285	5283	5282	62	16.0
4683	Setto	5286	5287	5285	5284	62	16.0
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4685	Setto	5283	5290	3579	3576	62	16.0
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4688	Setto	5289	5293	5292	5287	62	16.0
4689	Setto	5294	5295	5289	5288	62	16.0
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4695	Setto	3579	3596	5303	5290	62	16.0
4696	Setto	5290	5303	5304	5291	62	16.0
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4699	Setto	3596	3599	5307	5303	62	16.0
4700	Setto	5303	5307	5308	5304	62	16.0
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4702	Setto	5305	5309	5310	5306	62	16.0
4703	Setto	3599	3602	5311	5307	62	16.0
4704	Setto	5307	5311	5312	5308	62	16.0
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4707	Setto	5293	5306	5315	5300	62	16.0
4708	Setto	5300	5315	5316	5301	62	16.0
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4710	Setto	5306	5310	5318	5315	62	16.0
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4716	Setto	3602	3633	5324	5311	62	16.0
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4718	Setto	5312	5325	5326	5313	62	16.0
4719	Setto	5313	5326	5327	5314	62	16.0
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4721	Setto	5324	5328	5329	5325	62	16.0
4722	Setto	5325	5329	5330	5326	62	16.0
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4724	Setto	3636	3639	5332	5328	62	16.0
4725	Setto	5328	5332	5333	5329	62	16.0
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4732	Setto	3642	3645	5340	5336	62	16.0
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4734	Setto	5337	5341	5342	5338	62	16.0
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4737	Setto	5340	5344	5345	5341	62	16.0
4738	Setto	5341	5345	5346	5342	62	16.0
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4740	Setto	3648	3651	5348	5344	62	16.0
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4744	Setto	5314	5327	5352	5321	62	16.0
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4751	Setto	5355	5358	5359	5356	62	16.0
4752	Setto	5356	5359	5360	5357	62	16.0
4753	Setto	5335	5339	5361	5358	62	16.0
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4755	Setto	5359	5362	5363	5360	62	16.0
4756	Setto	5339	5343	5364	5361	62	16.0
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4758	Setto	5362	5365	5366	5363	62	16.0
4759	Setto	5343	5347	5367	5364	62	16.0
4760	Setto	5364	5367	5368	5365	62	16.0
4761	Setto	5365	5368	5369	5366	62	16.0
4762	Setto	5347	5351	5370	5367	62	16.0
4763	Setto	5367	5370	5371	5368	62	16.0
4764	Setto	5368	5371	5372	5369	62	16.0
4765	Setto	3651	3674	5373	5348	62	16.0
4766	Setto	5348	5373	5374	5349	62	16.0
4767	Setto	5349	5374	5375	5350	62	16.0
4768	Setto	5350	5375	5376	5351	62	16.0
4769	Setto	3674	3677	693	5373	62	16.0
4770	Setto	5396	1746	1747	5397	62	16.0
4771	Setto	5398	1748	1746	5396	62	16.0
4772	Setto	5399	1749	1748	5398	62	16.0
4773	Setto	5400	1757	1749	5399	62	16.0
4774	Setto	5385	1755	1757	5400	62	16.0
4775	Setto	5386	1762	1755	5385	62	16.0
4776	Setto	5395	1763	1762	5386	62	16.0
4777	Setto	1761	1764	1763	5395	62	16.0
4778	Setto	1823	1807	1822		64	16.0
4779	Setto	1763	1764	1830		64	16.0
4780	Setto	1736	1737	1775		64	16.0
4781	Setto	1780	1760	1779		64	16.0
4782	Setto	1702	1686	1701		64	16.0
4783	Setto	1642	1643	1709		64	16.0
4784	Setto	1615	1616	1654		64	16.0
4785	Setto	1659	1639	1658		64	16.0
4786	Setto	1581	1565	1580		64	16.0
4787	Setto	706	711	1588		64	16.0
4788	Setto	680	681	930		64	16.0
4789	Setto	935	707	934		64	16.0
4790	Setto	1349	1324	1348		64	16.0
4791	Setto	1282	1283	1340		64	16.0
4792	Setto	1229	1204	1228		64	16.0
4793	Setto	1162	1163	1220		64	16.0
4794	Setto	1118	1090	1117		64	16.0
4795	Setto	1042	1043	1108		64	16.0
4796	Setto	103	105	119		64	16.0
4797	Setto	116	80	115		64	16.0
4798	Setto	909	911	919		64	16.0

4799	Setto	916	896	915		64	16.0
4800	Setto	807	808	815		64	16.0
4801	Setto	812	800	811		64	16.0
4802	Setto	707	708	5377	705	62	16.0
4803	Setto	683	5383	5384	682	62	16.0
4804	Setto	686	5382	5383	683	62	16.0
4805	Setto	691	5381	5382	686	62	16.0
4806	Setto	697	5380	5381	691	62	16.0
4807	Setto	699	5379	5380	697	62	16.0
4808	Setto	703	5378	5379	699	62	16.0
4809	Setto	705	5377	5378	703	62	16.0
4810	Setto	1618	5388	5389	1617	62	16.0
4811	Setto	1621	5390	5388	1618	62	16.0
4812	Setto	1623	5391	5390	1621	62	16.0
4813	Setto	1629	5392	5391	1623	62	16.0
4814	Setto	1631	5393	5392	1629	62	16.0
4815	Setto	1635	5394	5393	1631	62	16.0
4816	Setto	1637	5387	5394	1635	62	16.0
4817	Setto	1639	1640	5387	1637	62	16.0
4818	Setto	1739	5396	5397	1738	62	16.0
4819	Setto	1742	5398	5396	1739	62	16.0
4820	Setto	1744	5399	5398	1742	62	16.0
4821	Setto	1759	5400	5399	1744	62	16.0
4822	Setto	1752	5385	5400	1759	62	16.0
4823	Setto	1756	5386	5385	1752	62	16.0
4824	Setto	1758	5395	5386	1756	62	16.0
4825	Setto	1760	1761	5395	1758	62	16.0
4826	Setto	2230	2231	2250		64	16.0
4827	Setto	2255	2246	2254		64	16.0
4828	Setto	2334	2335	2362		64	16.0
4829	Setto	5434	3533	3532		64	16.0
4830	Setto	2135	2096	2134		64	16.0
4831	Setto	2042	2043	2130		64	16.0
4832	Setto	2036	2000	2035		64	16.0
4833	Setto	1950	1951	2031		64	16.0
4834	Setto	1937	1904	1936		64	16.0
4835	Setto	1858	1859	1932		64	16.0
4836	Setto	3991	3952	3990		64	16.0
4837	Setto	3898	3899	3986		64	16.0
4838	Setto	3806	3807	3887		64	16.0
4839	Setto	3892	3856	3891		64	16.0
4840	Setto	3714	3715	3788		64	16.0
4841	Setto	3793	3760	3792		64	16.0
4842	Setto	4074	4075	4092		64	16.0
4843	Setto	4097	4088	4096		64	16.0
4844	Setto	4166	4167	4191		64	16.0
4845	Setto	5123	3557	3556		64	16.0
4846	Setto	5520	5522	5521	5519	64	16.0
4847	Setto	5522	3413	3412		64	16.0
4848	Setto	3400	5523	5518	3398	64	16.0
4849	Setto	5523	5548	5520	5518	64	16.0
4850	Setto	5548	5549	5522	5520	64	16.0
4851	Setto	5549	3416	3413	5522	64	16.0
4852	Setto	5153	5481	5490	5146	64	16.0
4853	Setto	5481	5482	5491	5490	64	16.0
4854	Setto	5482	5483	5492	5491	64	16.0
4855	Setto	5483	5168	5162	5492	64	16.0
4856	Setto	4390	5425	5410	4388	64	16.0
4857	Setto	5425	5426	5411	5410	64	16.0
4858	Setto	5426	5427	5412	5411	64	16.0
4859	Setto	5427	4370	4369	5412	64	16.0
4860	Setto	4367	5407	5404		64	16.0
4861	Setto	5407	5408	5405	5404	64	16.0
4862	Setto	4510	5416	5413	4504	64	16.0
4863	Setto	5416	5417	5414	5413	64	16.0
4864	Setto	5417	5418	5415	5414	64	16.0
4865	Setto	5418	4495	4488	5415	64	16.0
4866	Setto	4512	5419	5416	4510	64	16.0
4867	Setto	5419	5420	5417	5416	64	16.0
4868	Setto	5420	5421	5418	5417	64	16.0
4869	Setto	5421	4496	4495	5418	64	16.0
4870	Setto	4514	5422	5419		64	16.0
4871	Setto	5422	5423	5420	5419	64	16.0
4872	Setto	5423	5424	5421	5420	64	16.0
4873	Setto	5421	4497	4496		64	16.0

4874	Setto	5408	5409	5406	5405	64	16.0
4875	Setto	5409	4350	4349	5406	64	16.0
4876	Setto	4453	5530	5527	4451	64	16.0
4877	Setto	5530	5531	5528	5527	64	16.0
4878	Setto	5531	5532	5529	5528	64	16.0
4879	Setto	5532	4433	4432	5529	64	16.0
4880	Setto	4430	5545	5542		64	16.0
4881	Setto	5545	5546	5543	5542	64	16.0
4882	Setto	5546	5547	5544	5543	64	16.0
4883	Setto	5547	4413	4412	5544	64	16.0
4884	Setto	2605	5570	5569		64	16.0
4885	Setto	5570	5572	5571	5569	64	16.0
4886	Setto	5572	5574	5573	5571	64	16.0
4887	Setto	5574	2594	2595		64	16.0
4888	Setto	2609	5575	5570	2606	64	16.0
4889	Setto	5575	5576	5572	5570	64	16.0
4890	Setto	5486	5487	256	4465	64	16.0
4891	Setto	5487	5231	5225	256	64	16.0
4892	Setto	5217	5488	5485	5216	64	16.0
4893	Setto	5488	5513	5486	5485	64	16.0
4894	Setto	4363	5401	4339	4357	64	16.0
4895	Setto	5401	5402	4341	4339	64	16.0
4896	Setto	5402	5403	4342	4341	64	16.0
4897	Setto	5403	4348	4344	4342	64	16.0
4898	Setto	4365	5404	5401	4363	64	16.0
4899	Setto	5404	5405	5402	5401	64	16.0
4900	Setto	5405	5406	5403	5402	64	16.0
4901	Setto	5406	4349	4348	5403	64	16.0
4902	Setto	5576	5577	5574	5572	64	16.0
4903	Setto	5577	2596	2594	5574	64	16.0
4904	Setto	4426	5537	5536	4420	64	16.0
4905	Setto	5537	5539	5538	5536	64	16.0
4906	Setto	5539	5541	5540	5538	64	16.0
4907	Setto	5541	4411	4407	5540	64	16.0
4908	Setto	4428	5542	5537	4426	64	16.0
4909	Setto	5542	5543	5539	5537	64	16.0
4910	Setto	5543	5544	5541	5539	64	16.0
4911	Setto	5544	4412	4411	5541	64	16.0
4912	Setto	5246	5248	5244	5242	64	16.0
4913	Setto	5248	5249	5245	5244	64	16.0
4914	Setto	2701	5459	5458		64	16.0
4915	Setto	5459	5461	5460	5458	64	16.0
4916	Setto	5461	5463	5462	5460	64	16.0
4917	Setto	5463	2687	2688		64	16.0
4918	Setto	2705	5464	5459	2702	64	16.0
4919	Setto	5464	5465	5461	5459	64	16.0
4920	Setto	5465	5466	5463	5461	64	16.0
4921	Setto	5466	2689	2687	5463	64	16.0
4922	Setto	5249	5212	5210	5245	64	16.0
4923	Setto	5218	5515	5488		64	16.0
4924	Setto	5515	5516	5513	5488	64	16.0
4925	Setto	309	305	306	311	64	16.0
4926	Setto	305	2543	2544		64	16.0
4927	Setto	2561	5432	313	2558	64	16.0
4928	Setto	5432	5431	309	313	64	16.0
4929	Setto	5431	249	305	309	64	16.0
4930	Setto	5456	5469	5454	5453	64	16.0
4931	Setto	5454	5277	5275		64	16.0
4932	Setto	5259	5452	4169	5258	64	16.0
4933	Setto	5452	5453	5450	4169	64	16.0
4934	Setto	5513	5514	5487	5486	64	16.0
4935	Setto	5514	5233	5231	5487	64	16.0
4936	Setto	5260	5455	5452	5259	64	16.0
4937	Setto	5455	5456	5453	5452	64	16.0
4938	Setto	249	2545	2543	305	64	16.0
4939	Setto	4388	5410	5183	4378	64	16.0
4940	Setto	5410	5411	5185	5183	64	16.0
4941	Setto	5516	5550	5514	5513	64	16.0
4942	Setto	5514	5235	5233		64	16.0
4943	Setto	3471	250	317		64	16.0
4944	Setto	250	252	251	317	64	16.0
4945	Setto	252	254	253	251	64	16.0
4946	Setto	254	3485	3484		64	16.0
4947	Setto	5411	5412	5186	5185	64	16.0
4948	Setto	5412	4369	4362	5186	64	16.0

4949	Setto	3448	5562	5557	3446	64	16.0
4950	Setto	5562	5563	5559	5557	64	16.0
4951	Setto	5563	5564	5561	5559	64	16.0
4952	Setto	5564	3464	3461	5561	64	16.0
4953	Setto	5195	5242	5182	5188	64	16.0
4954	Setto	5242	5244	5187	5182	64	16.0
4955	Setto	5132	5565	5457	5128	64	16.0
4956	Setto	5565	5566	5467	5457	64	16.0
4957	Setto	5566	5177	5468	5467	64	16.0
4958	Setto	5177	5147	5141	5468	64	16.0
4959	Setto	5133	5178	5565	5132	64	16.0
4960	Setto	5178	5179	5566	5565	64	16.0
4961	Setto	5179	5181	5177	5566	64	16.0
4962	Setto	5181	5149	5147	5177	64	16.0
4963	Setto	5134	5241	5178	5133	64	16.0
4964	Setto	5241	2338	5179	5178	64	16.0
4965	Setto	2338	2340	5181	5179	64	16.0
4966	Setto	5181	5151	5149		64	16.0
4967	Setto	4455	5533	5530		64	16.0
4968	Setto	5533	5534	5531	5530	64	16.0
4969	Setto	5534	5535	5532	5531	64	16.0
4970	Setto	5532	4434	4433		64	16.0
4971	Setto	2629	5504	5503		64	16.0
4972	Setto	5281	2342	4463		64	16.0
4973	Setto	2342	2343	2339	4463	64	16.0
4974	Setto	2343	4168	2341	2339	64	16.0
4975	Setto	2341	5298	5296		64	16.0
4976	Setto	3543	5580	5579		64	16.0
4977	Setto	5580	5121	5581	5579	64	16.0
4978	Setto	5504	5506	5505	5503	64	16.0
4979	Setto	5506	5508	5507	5505	64	16.0
4980	Setto	5508	2615	2616		64	16.0
4981	Setto	5279	4337	5567	5272	64	16.0
4982	Setto	4337	4338	5568	5567	64	16.0
4983	Setto	4338	4469	5578	5568	64	16.0
4984	Setto	4469	5294	5288	5578	64	16.0
4985	Setto	5280	4463	4337	5279	64	16.0
4986	Setto	4463	2339	4338	4337	64	16.0
4987	Setto	2339	2341	4469	4338	64	16.0
4988	Setto	2341	5296	5294	4469	64	16.0
4989	Setto	2633	5509	5504	2630	64	16.0
4990	Setto	5509	5510	5506	5504	64	16.0
4991	Setto	5510	5511	5508	5506	64	16.0
4992	Setto	5511	2617	2615	5508	64	16.0
4993	Setto	4451	5527	5524	4441	64	16.0
4994	Setto	5527	5528	5525	5524	64	16.0
4995	Setto	5528	5529	5526	5525	64	16.0
4996	Setto	5529	4432	4425	5526	64	16.0
4997	Setto	3378	5494	5493		64	16.0
4998	Setto	5494	5496	5495	5493	64	16.0
4999	Setto	5496	5498	5497	5495	64	16.0
5000	Setto	5498	3389	3388		64	16.0
5001	Setto	5582	359	360	2877	62	16.0
5002	Setto	5583	358	359	5582	62	16.0
5003	Setto	5584	345	358	5583	62	16.0
5004	Setto	5585	344	345	5584	62	16.0
5005	Setto	5586	343	344	5585	62	16.0
5006	Setto	5587	341	343	5586	62	16.0
5007	Setto	5588	342	341	5587	62	16.0
5008	Setto	5589	455	456	3102	62	16.0
5009	Setto	5590	454	455	5589	62	16.0
5010	Setto	5591	441	454	5590	62	16.0
5011	Setto	5592	440	441	5591	62	16.0
5012	Setto	5593	439	440	5592	62	16.0
5013	Setto	5594	437	439	5593	62	16.0
5014	Setto	923	438	437	5594	62	16.0
5015	Setto	927	5582	2877	2882	62	16.0
5016	Setto	1569	5583	5582	927	62	16.0
5017	Setto	1573	5584	5583	1569	62	16.0
5018	Setto	1577	5585	5584	1573	62	16.0
5019	Setto	1647	5586	5585	1577	62	16.0
5020	Setto	1651	5587	5586	1647	62	16.0
5021	Setto	1690	5588	5587	1651	62	16.0
5022	Setto	1819	923	5594	1815	62	16.0
5023	Setto	1694	5589	3102	3107	62	16.0

5024	Setto	1698	5590	5589	1694	62	16.0
5025	Setto	1768	5591	5590	1698	62	16.0
5026	Setto	1772	5592	5591	1768	62	16.0
5027	Setto	1811	5593	5592	1772	62	16.0
5028	Setto	1815	5594	5593	1811	62	16.0
5029	Setto	444	443	301		62	16.0
5030	Setto	348	347	277		62	16.0
5031	Setto	111	112	108		62	16.0
5032	Setto	688	689	674		62	16.0
5033	Setto	997	998	1030		62	16.0
5034	Setto	53	415	55		62	16.0
5035	Setto	519	516	520		62	16.0
5036	Setto	647	644	648		62	16.0
5037	Setto	1520	1519	1337		62	16.0
5038	Setto	1537	1534	1538		62	16.0
5039	Setto	1474	1471	1475		62	16.0
5040	Setto	1457	1456	1217		62	16.0
5041	Setto	1394	1393	1106		62	16.0
5042	Setto	1411	1408	1412		62	16.0
5043	Setto	5122	5123	3556		64	16.0
5044	Setto	3542	5580	3543		64	16.0
5045	Setto	5433	5434	3532		64	16.0
5046	Setto	3518	4171	3519		64	16.0
5047	Setto	253	254	3484		64	16.0
5048	Setto	3470	250	3471		64	16.0
5049	Setto	5560	5561	3460		64	16.0
5050	Setto	3446	5557	3447		64	16.0
5051	Setto	5521	5522	3412		64	16.0
5052	Setto	3398	5518	3399		64	16.0
5053	Setto	5497	5498	3388		64	16.0
5054	Setto	3377	5494	3378		64	16.0
5055	Setto	5119	5120	5130		64	16.0
5056	Setto	2340	5151	5181		64	16.0
5057	Setto	5154	5155	5484		64	16.0
5058	Setto	5555	5172	5552		64	16.0
5059	Setto	4811	4812	5190		64	16.0
5060	Setto	5480	5214	5249		64	16.0
5061	Setto	5217	5218	5488		64	16.0
5062	Setto	5550	5235	5514		64	16.0
5063	Setto	5014	5015	5253		64	16.0
5064	Setto	5469	5277	5454		64	16.0
5065	Setto	5280	5281	4463		64	16.0
5066	Setto	4168	5298	2341		64	16.0
5067	Setto	2702	5459	2701		64	16.0
5068	Setto	5462	5463	2688		64	16.0

9 MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

9.1 LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.

Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.

L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano. L'elemento balcone è derivato dall'elemento solaio.

I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.

L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico <i>Variab.</i> Carico variabile generico <i>Var. rid.</i> Carico variabile generico con riduzione in funzione dell' area (c.5.5. ...) <i>Neve</i> Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <i>per valore raro</i>
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <i>per valore frequente</i>
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: <i>per valore quasi permanente</i>
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: <i>per la definizione delle masse sismiche</i>
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento <i>S</i> elemento utilizzato solo per scarico <i>C</i> elemento utilizzato per scarico e per modellazione piano rigido <i>P</i> elemento utilizzato come pannello <i>M</i> scarico monodirezionale <i>B</i> scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali
Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce istantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
simboli utilizzati con il metodo delle tensioni ammissibili:	
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
simboli utilizzati con il metodo degli stati limite:	
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)

verif.	rapporto S_d/S_u con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto S_d/S_u con sollecitazioni taglianti proporzionali: valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di Vigilanza sulle Costruzioni, Provincia di Terni).

Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.

Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova. Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova. Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.

(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzeria
Ver. CIS	Rapporto p_a/p_r (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
p_a	Pressione sulla parete causata dall'azione sismica
p_r	Pressione resistente del meccanismo ad arco

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 130 DI 2790

Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

Con riferimento al **Documento di Affidabilità** “Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST” - versione Maggio 2011, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
14	ANALISI DEI CARICHI PER UN SOLAIO DI COPERTURA
15	EFFETTI DELLO SPESSORE SULLA RIGIDEZZA DEI SOLAI
16	SOLAIO: CONFRONTO FRA RIGIDO E DEFORMABILE
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
28	FRECCIA DI SOLAI IN C.A.
119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

ID Arch.	Tipo	G1k kN/ m2	G2k kN/ m2	Qk kN/ m2	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
1	Variab.	1.10	1.00	3.00		1.00	0.70	0.70	0.60	0.60	1.00
2	Neve	0.90	0.50	1.20		1.00	0.50	0.20	0.0	0.0	1.00
3	Variab.	1.10	1.30	3.00		1.00	0.70	0.70	0.60	0.60	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k kN/ m2	G2k kN/ m2	Qk kN/ m2	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	CM	3	m=78	22.0	0.0	1.10	1.30	3.00	3373 3412 3020 1581 707 675	3378 3415 1412 1585 935 689	3388 3423 1559 1589 931 3349	3391 3030 1562 711 681 3354	3399 3025 1565 708 678 3359
2	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2257 2282 502 3107 447 277 360 2897	2262 2287 501 3102 444 348 2877 400	2267 2292 3122 456 301 351 2882 401	2272 2297 3117 453 300 354 2887 401	2277 2302 3112 450 280 357 2892
3	CM	3	m=78	22.0	0.0	1.10	1.30	3.00	3437 3471 3242 1686 1640 1613 3030	3442 3484 3237 1702 1639 1610	3447 3487 1475 1706 1659 1412	3460 3495 1680 1710 1655 3020	3463 3247 1683 1643 1616 3025
4	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1610 1639 1702 1472 1457 1205 1163 1106 1406	1613 1640 1686 1469 1217 1204 1160 1394 1409	1616 1643 1683 1466 1214 1229 1157 1397 1412	1655 1710 1680 1463 1211 1225 1154 1400	1659 1706 1475 1460 1208 1221 1151 1403
5	CM	3	m=78	22.0	0.0	1.10	1.30	3.00	3509 3543 3586 1823 1760	3514 3556 1538 1827 1780	3519 3559 1801 1831 1776	3532 3567 1804 1764 1737	3535 3581 1807 1761 1734
6	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1731 1731 1760 1823 1535 1520	1475 1734 1761 1807 1532 1337	3237 1737 1764 1804 1529 1334	3242 1776 1831 1801 1526 1331	3247 1780 1827 1538 1523 1328

									1325	1324	1349	1345	1341
									1283	1280	1277	1274	1271
									1268	1217	1457	1460	1463
									1466	1469	1472	1475	
7	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	770	773	776	779	782
									785	788	791	794	797
									800	812	816	808	520
									3149	3154	3159	3164	1217
									1268	1271	1274	1277	1280
									1283	1341	1345	1349	1324
									1325	1328	1331	1334	1337
									3653	3658	3663	3668	648
8	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	869	872	875	878	881
									884	887	890	893	896
									916	920	911	912	55
									2926	2934	2939	2944	1106
									1151	1154	1157	1160	1163
									1221	1225	1229	1204	1205
									1208	1211	1214	1217	3164
									3159	3154	3149	520	
9	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	56	59	62	65	68
									71	74	77	80	116
									120	105	106	109	112
									3261	3266	3271	3276	998
									1031	1034	1037	1040	1043
									1109	1114	1118	1090	1091
									1094	1097	1100	1103	1106
									2944	2939	2934	2926	55
10	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2232	2192	2187	2182	2177
									2172	2167	2162	2157	2152
									2147	2139	2136	236	239
									242	245	248	112	109
									106	105	120	116	80
									77	74	71	68	65
									62	59	56	55	416
									413	410	407	404	401
11	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	912	911	920	916	896
									893	890	887	884	881
									878	875	872	869	520
									517	514	511	508	505
									502	2302	2297	2292	2287
									2282	2277	2272	2267	2262
									2257	401	404	407	410
									413	416	55		
12	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	4225	4287	4288	4291	4294
									4297	4300	4303	4306	4309
									4312	4315	4330	4333	4336
									4347	4350	4367	4368	4371
									4392	4393	4396	4399	4827
									4830	4833	4856	4859	4862
									4865	4868	4895	4898	4901
									4904	4907	4910	4188	
13	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1103	1100	1097	1094	1091
									1090	1118	1114	1109	1043
									1040	1037	1034	1031	998
									995	992	989	986	983
									980	689	675	678	681
									931	935	707	708	711
									1589	1585	1581	1565	1562
									1559	1412	1409	1406	1403
									1400	1397	1394	1106	
14	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	3804	3807	3888	3892	3856
									3857	3860	3863	3866	3869
									3872	3875	3878	3881	3884
									4188	4185	4184	4196	4192
									4167	4164	4161	4158	4155
									4152	4149	4146	4143	4140
									4089	3785			
15	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	4140	4143	4146	4149	4152
									4155	4158	4161	4164	4167
									4192	4196	4184	4185	4188
									4910	4907	4904	4901	4898
									4895	4868	4865	4862	4859
									4856	4833	4830	4827	4399
									4410	4413	4430	4431	4434

									4455	4456	4459	4462	4624
									4627	4630	4653	4656	4659
									4662	4665	4692	4695	4698
									4701	4704	4707	4089	
16	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2394	2389	2384	2379	2371
									2368	630	627	624	621
									618	615	612	609	606
									603	320	319	304	301
									444	447	450	453	456
									3102	3107	3112	3117	3122
									501	502			
17	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	505	508	511	514	517
									520	808	816	812	800
									797	794	791	788	785
									782	779	776	773	770
									648	645	642	639	636
									633	2368	2371	2379	2384
									2389	2394	502		
18	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	5254	5257	5260	5277	5278
									5281	5298	5299	5302	5317
									5320	5323	5354	5357	5360
									5363	5366	5369	5372	1753
									1620	1630	1638	3983	3980
									3977	3974	3971	3968	3965
									3962	3959	3956	3953	3952
									3991	3987	3899	3884	4933
									4936	4939	4942	4945	4976
									4979	4982	4985	4988	4991
									4994	5009	5012	5015	
19	CM	3	m=78	22.0	0.0	1.10	1.30	3.00	2518	2523	2533	2536	2544
									2557	2560	2568	2573	3044
									3049	301	304	319	320
									2494	2499	2504		
20	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	3899	3987	3991	3952	3953
									3956	3959	3962	3965	3968
									3971	3974	3977	3980	3983
									4225	4226	4229	4232	4235
									4238	4188	3884		
21	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2741	2744	2747	2790	2793
									2796	2799	2802	2805	2808
									2811	2814	2817	2200	2201
									2204	2207	2210	2213	2216
									2219	2222	2225	2228	2231
									2251	2255	2246	2247	2922
									2919	2916	2913	2910	2907
									2875	2872	2869	2866	2863
									2840	2837	2834	2660	2673
									2676	2696	2697	2700	2720
									2721	2724			
22	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1853	1856	1859	1933	1937
									1904	1905	1908	1911	1914
									1917	1920	1923	1926	1929
									2247	2246	2255	2251	2231
									2228	2225	2222	2219	2216
									2213	2210	2207	2204	2201
									2200	1852			
23	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	3289	3292	3295	3298	3329
									3332	3335	3338	3341	3344
									3347	3365	3368	3371	3384
									3387	3407	3408	3411	3431
									3432	3435	3042	3039	3036
									3018	3015	3012	3009	3006
									3003	3000	2969	2966	2963
									2960	2957	1929	1926	1923
									1920	1917	1914	1911	1908
									1905	1904	1937	1933	1859
									1856	1853	1852	3286	
24	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	3453	3456	3459	3479	3480
									3483	3503	3504	3507	3259
									3256	3253	3235	3232	3229
									3226	3223	3220	3217	3186
									3183	3180	3177	3174	2028
									2025	2022	2019	2016	2013
									2010	2007	2004	2001	2000
									2036	2032	1951	1948	1929

									2957	2960	2963	2966	2969
									3000	3003	3006	3009	3012
									3015	3018	3036	3039	3042
25	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	3525	3528	3531	3551	3552
									3555	3575	3576	3579	3596
									3599	3602	3633	3636	3639
									3642	3645	3648	3651	3674
									3677	3680	3683	2127	2124
									2121	2118	2115	2112	2109
									2106	2103	2100	2097	2096
									2135	2131	2043	2028	3174
									3177	3180	3183	3186	3217
									3220	3223	3226	3229	3232
									3235	3253	3256	3259	
26	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2043	2131	2135	2096	2097
									2100	2103	2106	2109	2112
									2115	2118	2121	2124	2127
									2402	2403	2406	2409	2412
									2415	2359	2028		
27	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2402	2464	2465	2468	2471
									2474	2477	2480	2483	2486
									2489	2492	2510	2513	2516
									2529	2532	2552	2553	2556
									2581	2582	2585	2588	3059
									3062	3065	3088	3091	3094
									3097	3100	3132	3135	3138
									3141	3144	3147	2359	
28	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2308	2311	2314	2317	2320
									2323	2326	2329	2332	2335
									2363	2367	2355	2356	2359
									3147	3144	3141	3138	3135
									3132	3100	3097	3094	3091
									3088	3065	3062	3059	2588
									2601	2604	2624	2625	2628
									2653	2654	2657	2660	2834
									2837	2840	2863	2866	2869
									2872	2875	2907	2910	2913
									2916	2919	2922	2247	
29	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	1948	1951	2032	2036	2000
									2001	2004	2007	2010	2013
									2016	2019	2022	2025	2028
									2359	2356	2355	2367	2363
									2335	2332	2329	2326	2323
									2320	2317	2314	2311	2308
									2247	1929			
30	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	4533	4536	4539	4582	4585
									4588	4591	4594	4597	4600
									4603	4606	4609	4044	4045
									4048	4051	4054	4057	4060
									4063	4066	4069	4072	4075
									4093	4097	4088	4089	4707
									4704	4701	4698	4695	4692
									4665	4662	4659	4656	4653
									4630	4627	4624	4462	4473
									4476	4493	4494	4497	4514
									4515	4518			
31	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	3709	3712	3715	3789	3793
									3760	3761	3764	3767	3770
									3773	3776	3779	3782	3785
									4089	4088	4097	4093	4075
									4072	4069	4066	4063	4060
									4057	4054	4051	4048	4045
									4044	3708			
32	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	5041	5044	5047	5050	5081
									5084	5087	5090	5093	5096
									5099	5114	5117	5120	5131
									5134	5151	5152	5155	5172
									5173	5176	4812	4809	4806
									4791	4788	4785	4782	4779
									4776	4773	4742	4739	4736
									4733	4730	3785	3782	3779
									3776	3773	3770	3767	3764
									3761	3760	3793	3789	3715
									3712	3709	3708	5038	
33	CM	2	m=78	18.0	0.0	0.90	0.50	1.20	5191	5194	5197	5214	5215

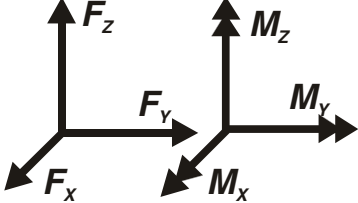
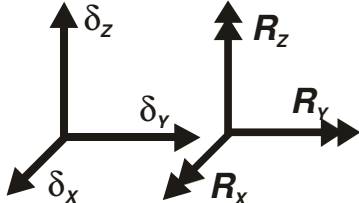
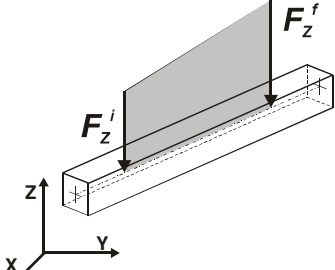
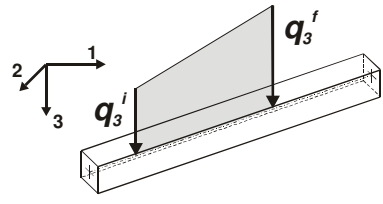
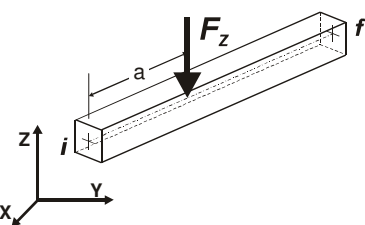
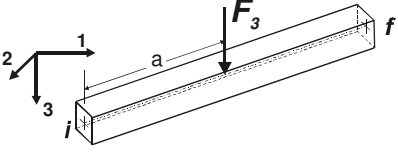
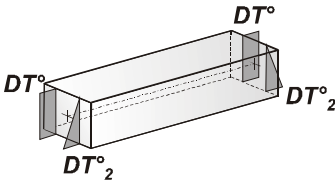
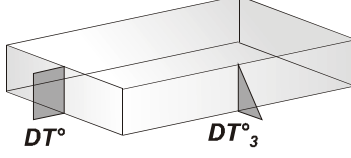
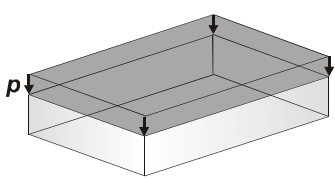
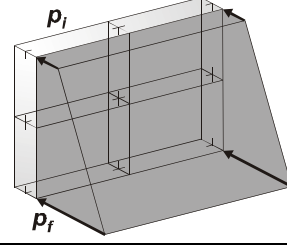
									5218	5235	5236	5239	5015
									5012	5009	4994	4991	4988
									4985	4982	4979	4976	4945
									4942	4939	4936	4933	3884
									3881	3878	3875	3872	3869
									3866	3863	3860	3857	3856
									3892	3888	3807	3804	3785
									4730	4733	4736	4739	4742
									4773	4776	4779	4782	4785
									4788	4791	4806	4809	4812
34	CM	1	m=78	22.0	0.0	1.10	1.00	3.00	2139	2147	2152	2157	2162
									2167	2172	2177	2182	2187
									2192	2232	401	400	2897
									2892	2887	2882	2877	360
									357	354	351	348	277
									276	205	206	209	212
									215	218	221	224	227
									230	233	2136		
35	CM	3	m=78	22.0	0.0	1.10	1.30	3.00	301	3049	3044	2573	2590
									2595	5573	5571	5569	2605
									2608	2616	5507	5505	5503
									2629	2632	2640	2645	2819
									2824	277	280	300	
36	CM	3	m=78	22.0	0.0	1.10	1.30	3.00	276	277	2824	2819	2645
									2662	2667	5474	5472	5470
									2677	2680	2688	5462	5460
									5458	2701	2704	2712	2726
									2731	205			

10 MODELLAZIONE DELLE AZIONI

10.1 LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	carico concentrato nodale 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	spostamento nodale impresso 6 dati (spostamento Tx, Ty, Tz, rotazione Rx, Ry, Rz)
3	carico distribuito globale su elemento tipo trave 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo,

 Carico concentrato nodale	 Spostamento impresso
 Carico distribuito globale	 Carico distribuito locale
 Carico concentrato globale	 Carico concentrato locale
 Carico termico 2D	 Carico termico 3D
 Carico pressione uniforme	 Carico pressione variabile

Tipo carico di pressione uniforme su piastra

Id	Tipo	pressione
		kN/ m2
7	QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03	0.28
8	QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03	0.28
9	QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03	0.56
10	QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03	0.56
11	QVK PAN ++ vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02	1.40
12	QVK PAN -- vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02	1.40
13	QVK PAN ++ vento*0.4 (L01 PT pv=6,86)-P3:p= 2.740e-02	2.74
14	QVK PAN -- vento*0.8 (L01 PT pv=6,86)-P3:p= 5.490e-02	5.49
15	QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02	1.12
16	QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02	1.12
17	QVK PAN ++ vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02	2.80
18	QVK PAN -- vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02	2.80

11 SCHEMATIZZAZIONE DEI CASI DI CARICO

11.1 LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	<i>Sigla</i>	<i>Tipo</i>	<i>Descrizione</i>
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Etk	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	Pk	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qsk	CDC=Qsk (variabile solai)	
5	Qnk	CDC=Qnk (carico da neve)	
6	Qvk	CDC=Qvk (carico da vento) dir Y +	D3 :da 206 a 212 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 137 DI 2790

CDC	Tipo	Sigla Id	Note
			2.800e-03
			D3 :da 206 a 212 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 213 a 240 Azione : QVK PAN ++ vento*0.4 (L01 PT pv=6,86)-P3:p=2.740e-02
			D3 :da 241 a 247 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 241 a 247 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 528 a 546 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 528 a 546 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 550 a 551 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 550 a 551 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 554 a 556 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 554 a 556 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 560 a 576 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 560 a 576 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 763 a 771 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 763 a 771 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p=2.800e-03
			D3 :da 1288 a 1359 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1288 a 1359 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1376 a 1465 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1376 a 1465 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1474 a 1489 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1474 a 1489 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 1490 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 1491 a 1534 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1491 a 1534 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 1535 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 1536 a 1547 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1536 a 1547 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1990 a 1997 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1990 a 1997 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 2012 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 2012 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2146 a 2159 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 2160 a 2173 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 2174 a 2208 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 2209 a 2222 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 2223 a 2257 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 2258 a 2271 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 2272 a 2285 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03

CDC	Tipo	Sigla Id	Note
			D3 :da 2909 a 2922 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p=1.120e-02
			D3 :da 2923 a 2936 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=3,5)-P3:p=2.800e-02
			D3 :da 2937 a 2978 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p=1.120e-02
			D3 :da 2979 a 2992 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=3,5)-P3:p=2.800e-02
			D3 :da 2993 a 3034 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p=1.120e-02
			D3 :da 3035 a 3048 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=3,5)-P3:p=2.800e-02
			D3 :da 3049 a 3062 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p=1.120e-02
			D3 :da 3624 a 3629 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3624 a 3629 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 3646 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 3646 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3780 a 3787 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3788 a 3793 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p=5.600e-03
			D3 :da 3794 a 3807 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=3,5)-P3:p=1.400e-02
			D3 :da 3808 a 3828 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p=5.600e-03
			D3 :da 3829 a 3836 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3829 a 3836 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3837 a 3842 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p=5.600e-03
			D3 :da 3843 a 3856 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=3,5)-P3:p=1.400e-02
			D3 :da 3857 a 3877 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p=5.600e-03
			D3 :da 3878 a 3884 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3878 a 3884 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3885 a 3891 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p=5.600e-03
			D3 :da 3892 a 3905 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=3,5)-P3:p=1.400e-02
			D3 :da 3906 a 3919 Azione : QVK PAN ++ vento*0.4 (L05 L07 pv=1,4)-P3:p=5.600e-03
			D3 :da 4541 a 4548 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4541 a 4548 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4549 a 4554 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p=1.120e-02
			D3 :da 4555 a 4568 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=3,5)-P3:p=2.800e-02
			D3 :da 4569 a 4589 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p=1.120e-02
			D3 :da 4590 a 4594 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4597 a 4601 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4597 a 4601 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4602 a 4610 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p=1.120e-02
			D3 :da 4611 a 4624 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=3,5)-P3:p=2.800e-02
			D3 :da 4625 a 4645 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p=1.120e-02
			D3 :da 4646 a 4657 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-

CDC	Tipo	Sigla Id	Note
			P3:p= 2.800e-03
			D3 :da 4658 a 4666 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 4667 a 4680 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02
			D3 :da 4681 a 4694 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 4770 a 4789 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4770 a 4789 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4802 a 4825 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4802 a 4825 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 4829 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 4829 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4845 a 5000 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4845 a 5000 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5032 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5032 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 5043 a 5054 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 5043 a 5054 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5055 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 5056 a 5058 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 5056 a 5058 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5059 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 5060 a 5062 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 5060 a 5062 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5063 Azione : QVK PAN ++ vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 5064 a 5068 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 5064 a 5068 Azione : QVK PAN ++ vento*0.4 (da personalizzare)-P3:p= 2.800e-03
7	Qvk	CDC=Qvk (carico da vento) dir Y -	D3 :da 206 a 212 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 213 a 240 Azione : QVK PAN -- vento*0.8 (L01 PT pv=6,86)-P3:p= 5.490e-02
			D3 :da 241 a 247 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 528 a 546 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 550 a 551 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 554 a 556 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 560 a 576 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 763 a 771 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1288 a 1359 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1376 a 1465 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 1474 a 1489 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 1490 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 1491 a 1534 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 1535 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 1536 a 1547 Azione : QVK PAN -- vento*0.4 (da personalizzare)-

CDC	Tipo	Sigla Id	Note
			P3:p= 2.800e-03
			D3 :da 1990 a 1997 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 2012 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 2146 a 2159 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 2160 a 2173 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02
			D3 :da 2174 a 2208 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 2209 a 2222 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02
			D3 :da 2223 a 2257 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 2258 a 2271 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02
			D3 :da 2272 a 2285 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 2909 a 2922 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 2923 a 2936 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 2937 a 2978 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 2979 a 2992 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 2993 a 3034 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 3035 a 3048 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 3049 a 3062 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 3624 a 3629 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 3646 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3780 a 3787 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3780 a 3787 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3788 a 3793 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 3794 a 3807 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02
			D3 :da 3808 a 3828 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 3829 a 3836 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3837 a 3842 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 3843 a 3856 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02
			D3 :da 3857 a 3877 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 3878 a 3884 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 3885 a 3891 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 3892 a 3905 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=3,5)-P3:p= 2.800e-02
			D3 :da 3906 a 3919 Azione : QVK PAN -- vento*0.8 (L05 L07 pv=1,4)-P3:p= 1.120e-02
			D3 :da 4541 a 4548 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4549 a 4554 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 4555 a 4568 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 4569 a 4589 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 4590 a 4594 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03

CDC	Tipo	Sigla Id	Note
			D3 :da 4590 a 4594 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4597 a 4601 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4602 a 4610 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 4611 a 4624 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 4625 a 4645 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 4646 a 4657 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4646 a 4657 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4658 a 4666 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 4667 a 4680 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=3,5)-P3:p= 1.400e-02
			D3 :da 4681 a 4694 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 4770 a 4789 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4802 a 4825 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 4829 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 4845 a 5000 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5032 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 :da 5043 a 5054 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5055 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 5056 a 5058 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5059 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 5060 a 5062 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
			D3 : 5063 Azione : QVK PAN -- vento*0.4 (L05 L07 pv=1,4)-P3:p= 5.600e-03
			D3 :da 5064 a 5068 Azione : QVK PAN -- vento*0.4 (da personalizzare)-P3:p= 2.800e-03
8	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)
			partecipazione:1.00 per 5 CDC=Qnk (carico da neve)
9	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	come precedente CDC sismico
10	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	come precedente CDC sismico
11	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	come precedente CDC sismico
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
13	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
15	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
16	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	come precedente CDC sismico
17	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
18	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
19	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
20	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	come precedente CDC sismico
21	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	come precedente CDC sismico
22	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	come precedente CDC sismico
23	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	come precedente CDC sismico

12 DEFINIZIONE DELLE COMBINAZIONI

12.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.

Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:

Combinazione fondamentale SLU

$$\gamma G1 \cdot G1 + \gamma G2 \cdot G2 + \gamma P \cdot P + \gamma Q1 \cdot Qk1 + \gamma Q2 \cdot \psi 02 \cdot Qk2 + \gamma Q3 \cdot \psi 03 \cdot Qk3 + \dots$$

Combinazione caratteristica (rara) SLE

$$G1 + G2 + P + Qk1 + \psi 02 \cdot Qk2 + \psi 03 \cdot Qk3 + \dots$$

Combinazione frequente SLE

$$G1 + G2 + P + \psi 11 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \dots$$

Combinazione quasi permanente SLE

$$G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \psi 23 \cdot Qk3 + \dots$$

Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica E

$$E + G1 + G2 + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \dots$$

Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali

$$G1 + G2 + Ad + P + \psi 21 \cdot Qk1 + \psi 22 \cdot Qk2 + \dots$$

Dove:

NTC 2018 Tabella 2.5.1

Destinazione d'uso/azione	$\psi 0$	$\psi 1$	$\psi 2$
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30kN$)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30kN$)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota ≤ 1000 m	0,50	0,20	0,00
Neve a quota > 1000 m	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:

- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
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- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γ_f	EQU	A1	A2
Carichi permanenti	Favorevoli	γ_{G1}	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli	γ_{G2}	0,8	0,8	0,8
	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	γ_{Qi}	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 15	
16	SLU	Comb. SLU A1 16	
17	SLU	Comb. SLU A1 17	
18	SLU	Comb. SLU A1 18	
19	SLU	Comb. SLU A1 19	
20	SLU	Comb. SLU A1 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 23	
24	SLU	Comb. SLU A1 24	
25	SLU	Comb. SLU A1 25	
26	SLU	Comb. SLU A1 26	
27	SLU	Comb. SLU A1 27	
28	SLU	Comb. SLU A1 28	
29	SLU	Comb. SLU A1 29	
30	SLU	Comb. SLU A1 30	
31	SLU	Comb. SLU A1 31	
32	SLU	Comb. SLU A1 32	
33	SLU	Comb. SLU A1 33	
34	SLU	Comb. SLU A1 34	
35	SLU	Comb. SLU A1 35	
36	SLU	Comb. SLU A1 36	
37	SLU	Comb. SLU A1 37	
38	SLU	Comb. SLU A1 38	
39	SLU	Comb. SLU A1 39	
40	SLU	Comb. SLU A1 40	
41	SLU	Comb. SLU A1 41	
42	SLU	Comb. SLU A1 42	
43	SLU	Comb. SLU A1 43	
44	SLU	Comb. SLU A1 44	
45	SLU	Comb. SLU A1 45	
46	SLU	Comb. SLU A1 46	
47	SLU	Comb. SLU A1 47	
48	SLU	Comb. SLU A1 48	
49	SLU	Comb. SLU A1 49	
50	SLU	Comb. SLU A1 50	
51	SLU	Comb. SLU A1 51	
52	SLU	Comb. SLU A1 52	
53	SLU	Comb. SLU A1 53	
54	SLU	Comb. SLU A1 54	
55	SLU	Comb. SLU A1 55	

Cmb	Tipo	Sigla Id	effetto P-delta
56	SLU	Comb. SLU A1 56	
57	SLU	Comb. SLU A1 57	
58	SLU	Comb. SLU A1 58	
59	SLU	Comb. SLU A1 59	
60	SLU	Comb. SLU A1 60	
61	SLU	Comb. SLU A1 61	
62	SLU	Comb. SLU A1 62	
63	SLU	Comb. SLU A1 63	
64	SLU	Comb. SLU A1 64	
65	SLE(r)	Comb. SLE(rara) 65	
66	SLE(r)	Comb. SLE(rara) 66	
67	SLE(r)	Comb. SLE(rara) 67	
68	SLE(r)	Comb. SLE(rara) 68	
69	SLE(r)	Comb. SLE(rara) 69	
70	SLE(r)	Comb. SLE(rara) 70	
71	SLE(r)	Comb. SLE(rara) 71	
72	SLE(r)	Comb. SLE(rara) 72	
73	SLE(r)	Comb. SLE(rara) 73	
74	SLE(r)	Comb. SLE(rara) 74	
75	SLE(r)	Comb. SLE(rara) 75	
76	SLE(r)	Comb. SLE(rara) 76	
77	SLE(r)	Comb. SLE(rara) 77	
78	SLE(r)	Comb. SLE(rara) 78	
79	SLE(r)	Comb. SLE(rara) 79	
80	SLE(r)	Comb. SLE(rara) 80	
81	SLE(r)	Comb. SLE(rara) 81	
82	SLE(r)	Comb. SLE(rara) 82	
83	SLE(r)	Comb. SLE(rara) 83	
84	SLE(r)	Comb. SLE(rara) 84	
85	SLE(r)	Comb. SLE(rara) 85	
86	SLE(r)	Comb. SLE(rara) 86	
87	SLE(r)	Comb. SLE(rara) 87	
88	SLE(r)	Comb. SLE(rara) 88	
89	SLE(r)	Comb. SLE(rara) 89	
90	SLE(r)	Comb. SLE(rara) 90	
91	SLE(r)	Comb. SLE(rara) 91	
92	SLE(r)	Comb. SLE(rara) 92	
93	SLE(r)	Comb. SLE(rara) 93	
94	SLE(r)	Comb. SLE(rara) 94	
95	SLE(r)	Comb. SLE(rara) 95	
96	SLE(r)	Comb. SLE(rara) 96	
97	SLE(f)	Comb. SLE(freq.) 97	
98	SLE(f)	Comb. SLE(freq.) 98	
99	SLE(f)	Comb. SLE(freq.) 99	
100	SLE(f)	Comb. SLE(freq.) 100	
101	SLE(f)	Comb. SLE(freq.) 101	
102	SLE(f)	Comb. SLE(freq.) 102	
103	SLE(f)	Comb. SLE(freq.) 103	
104	SLE(f)	Comb. SLE(freq.) 104	
105	SLE(f)	Comb. SLE(freq.) 105	
106	SLE(p)	Comb. SLE(perm.) 106	
107	SLE(p)	Comb. SLE(perm.) 107	
108	SLD(sis)	Comb. SLE (SLO Operativo sism.) 108	
109	SLD(sis)	Comb. SLE (SLO Operativo sism.) 109	
110	SLD(sis)	Comb. SLE (SLO Operativo sism.) 110	
111	SLD(sis)	Comb. SLE (SLO Operativo sism.) 111	
112	SLD(sis)	Comb. SLE (SLO Operativo sism.) 112	
113	SLD(sis)	Comb. SLE (SLO Operativo sism.) 113	
114	SLD(sis)	Comb. SLE (SLO Operativo sism.) 114	
115	SLD(sis)	Comb. SLE (SLO Operativo sism.) 115	
116	SLD(sis)	Comb. SLE (SLO Operativo sism.) 116	
117	SLD(sis)	Comb. SLE (SLO Operativo sism.) 117	
118	SLD(sis)	Comb. SLE (SLO Operativo sism.) 118	
119	SLD(sis)	Comb. SLE (SLO Operativo sism.) 119	
120	SLD(sis)	Comb. SLE (SLO Operativo sism.) 120	
121	SLD(sis)	Comb. SLE (SLO Operativo sism.) 121	
122	SLD(sis)	Comb. SLE (SLO Operativo sism.) 122	
123	SLD(sis)	Comb. SLE (SLO Operativo sism.) 123	
124	SLD(sis)	Comb. SLE (SLO Operativo sism.) 124	
125	SLD(sis)	Comb. SLE (SLO Operativo sism.) 125	
126	SLD(sis)	Comb. SLE (SLO Operativo sism.) 126	
127	SLD(sis)	Comb. SLE (SLO Operativo sism.) 127	

Cmb	Tipo	Sigla Id	effetto P-delta
128	SLD(sis)	Comb. SLE (SLO Operativo sism.) 128	
129	SLD(sis)	Comb. SLE (SLO Operativo sism.) 129	
130	SLD(sis)	Comb. SLE (SLO Operativo sism.) 130	
131	SLD(sis)	Comb. SLE (SLO Operativo sism.) 131	
132	SLD(sis)	Comb. SLE (SLO Operativo sism.) 132	
133	SLD(sis)	Comb. SLE (SLO Operativo sism.) 133	
134	SLD(sis)	Comb. SLE (SLO Operativo sism.) 134	
135	SLD(sis)	Comb. SLE (SLO Operativo sism.) 135	
136	SLD(sis)	Comb. SLE (SLO Operativo sism.) 136	
137	SLD(sis)	Comb. SLE (SLO Operativo sism.) 137	
138	SLD(sis)	Comb. SLE (SLO Operativo sism.) 138	
139	SLD(sis)	Comb. SLE (SLO Operativo sism.) 139	
140	SLD(sis)	Comb. SLE (SLD Danno sism.) 140	
141	SLD(sis)	Comb. SLE (SLD Danno sism.) 141	
142	SLD(sis)	Comb. SLE (SLD Danno sism.) 142	
143	SLD(sis)	Comb. SLE (SLD Danno sism.) 143	
144	SLD(sis)	Comb. SLE (SLD Danno sism.) 144	
145	SLD(sis)	Comb. SLE (SLD Danno sism.) 145	
146	SLD(sis)	Comb. SLE (SLD Danno sism.) 146	
147	SLD(sis)	Comb. SLE (SLD Danno sism.) 147	
148	SLD(sis)	Comb. SLE (SLD Danno sism.) 148	
149	SLD(sis)	Comb. SLE (SLD Danno sism.) 149	
150	SLD(sis)	Comb. SLE (SLD Danno sism.) 150	
151	SLD(sis)	Comb. SLE (SLD Danno sism.) 151	
152	SLD(sis)	Comb. SLE (SLD Danno sism.) 152	
153	SLD(sis)	Comb. SLE (SLD Danno sism.) 153	
154	SLD(sis)	Comb. SLE (SLD Danno sism.) 154	
155	SLD(sis)	Comb. SLE (SLD Danno sism.) 155	
156	SLD(sis)	Comb. SLE (SLD Danno sism.) 156	
157	SLD(sis)	Comb. SLE (SLD Danno sism.) 157	
158	SLD(sis)	Comb. SLE (SLD Danno sism.) 158	
159	SLD(sis)	Comb. SLE (SLD Danno sism.) 159	
160	SLD(sis)	Comb. SLE (SLD Danno sism.) 160	
161	SLD(sis)	Comb. SLE (SLD Danno sism.) 161	
162	SLD(sis)	Comb. SLE (SLD Danno sism.) 162	
163	SLD(sis)	Comb. SLE (SLD Danno sism.) 163	
164	SLD(sis)	Comb. SLE (SLD Danno sism.) 164	
165	SLD(sis)	Comb. SLE (SLD Danno sism.) 165	
166	SLD(sis)	Comb. SLE (SLD Danno sism.) 166	
167	SLD(sis)	Comb. SLE (SLD Danno sism.) 167	
168	SLD(sis)	Comb. SLE (SLD Danno sism.) 168	
169	SLD(sis)	Comb. SLE (SLD Danno sism.) 169	
170	SLD(sis)	Comb. SLE (SLD Danno sism.) 170	
171	SLD(sis)	Comb. SLE (SLD Danno sism.) 171	
172	SLU	Comb. SLU A1 (SLV sism.) 172	
173	SLU	Comb. SLU A1 (SLV sism.) 173	
174	SLU	Comb. SLU A1 (SLV sism.) 174	
175	SLU	Comb. SLU A1 (SLV sism.) 175	
176	SLU	Comb. SLU A1 (SLV sism.) 176	
177	SLU	Comb. SLU A1 (SLV sism.) 177	
178	SLU	Comb. SLU A1 (SLV sism.) 178	
179	SLU	Comb. SLU A1 (SLV sism.) 179	
180	SLU	Comb. SLU A1 (SLV sism.) 180	
181	SLU	Comb. SLU A1 (SLV sism.) 181	
182	SLU	Comb. SLU A1 (SLV sism.) 182	
183	SLU	Comb. SLU A1 (SLV sism.) 183	
184	SLU	Comb. SLU A1 (SLV sism.) 184	
185	SLU	Comb. SLU A1 (SLV sism.) 185	
186	SLU	Comb. SLU A1 (SLV sism.) 186	
187	SLU	Comb. SLU A1 (SLV sism.) 187	
188	SLU	Comb. SLU A1 (SLV sism.) 188	
189	SLU	Comb. SLU A1 (SLV sism.) 189	
190	SLU	Comb. SLU A1 (SLV sism.) 190	
191	SLU	Comb. SLU A1 (SLV sism.) 191	
192	SLU	Comb. SLU A1 (SLV sism.) 192	
193	SLU	Comb. SLU A1 (SLV sism.) 193	
194	SLU	Comb. SLU A1 (SLV sism.) 194	
195	SLU	Comb. SLU A1 (SLV sism.) 195	
196	SLU	Comb. SLU A1 (SLV sism.) 196	
197	SLU	Comb. SLU A1 (SLV sism.) 197	
198	SLU	Comb. SLU A1 (SLV sism.) 198	
199	SLU	Comb. SLU A1 (SLV sism.) 199	

Cmb	Tipo	Sigla Id	effetto P-delta
200	SLU	Comb. SLU A1 (SLV sism.) 200	
201	SLU	Comb. SLU A1 (SLV sism.) 201	
202	SLU	Comb. SLU A1 (SLV sism.) 202	
203	SLU	Comb. SLU A1 (SLV sism.) 203	
204	SLU	Comb. SLU A1 (SLC sism.) 204	
205	SLU	Comb. SLU A1 (SLC sism.) 205	
206	SLU	Comb. SLU A1 (SLC sism.) 206	
207	SLU	Comb. SLU A1 (SLC sism.) 207	
208	SLU	Comb. SLU A1 (SLC sism.) 208	
209	SLU	Comb. SLU A1 (SLC sism.) 209	
210	SLU	Comb. SLU A1 (SLC sism.) 210	
211	SLU	Comb. SLU A1 (SLC sism.) 211	
212	SLU	Comb. SLU A1 (SLC sism.) 212	
213	SLU	Comb. SLU A1 (SLC sism.) 213	
214	SLU	Comb. SLU A1 (SLC sism.) 214	
215	SLU	Comb. SLU A1 (SLC sism.) 215	
216	SLU	Comb. SLU A1 (SLC sism.) 216	
217	SLU	Comb. SLU A1 (SLC sism.) 217	
218	SLU	Comb. SLU A1 (SLC sism.) 218	
219	SLU	Comb. SLU A1 (SLC sism.) 219	
220	SLU	Comb. SLU A1 (SLC sism.) 220	
221	SLU	Comb. SLU A1 (SLC sism.) 221	
222	SLU	Comb. SLU A1 (SLC sism.) 222	
223	SLU	Comb. SLU A1 (SLC sism.) 223	
224	SLU	Comb. SLU A1 (SLC sism.) 224	
225	SLU	Comb. SLU A1 (SLC sism.) 225	
226	SLU	Comb. SLU A1 (SLC sism.) 226	
227	SLU	Comb. SLU A1 (SLC sism.) 227	
228	SLU	Comb. SLU A1 (SLC sism.) 228	
229	SLU	Comb. SLU A1 (SLC sism.) 229	
230	SLU	Comb. SLU A1 (SLC sism.) 230	
231	SLU	Comb. SLU A1 (SLC sism.) 231	
232	SLU	Comb. SLU A1 (SLC sism.) 232	
233	SLU	Comb. SLU A1 (SLC sism.) 233	
234	SLU	Comb. SLU A1 (SLC sism.) 234	
235	SLU	Comb. SLU A1 (SLC sism.) 235	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
2	1.30	1.30	1.50	0.0	0.75	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
3	1.30	1.30	1.50	1.50	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
4	1.30	1.30	1.50	1.50	0.75	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
5	1.00	1.00	0.80	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
6	1.00	1.00	0.80	0.0	0.75	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
7	1.00	1.00	0.80	1.50	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
8	1.00	1.00	0.80	1.50	0.75	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
9	1.30	1.30	1.50	0.0	1.50	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
10	1.30	1.30	1.50	1.05	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
11	1.30	1.30	1.50	1.05	1.50	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
12	1.00	1.00	0.80	0.0	1.50	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
13	1.00	1.00	0.80	1.05	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
14	1.00	1.00	0.80	1.05	1.50	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
15	1.30	1.30	1.50	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
16	1.30	1.30	1.50	0.0	0.75	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
17	1.30	1.30	1.50	1.05	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
18	1.30	1.30	1.50	1.05	0.75	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
19	1.00	1.00	0.80	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
20	1.00	1.00	0.80	0.0	0.75	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
21	1.00	1.00	0.80	1.05	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
22	1.00	1.00	0.80	1.05	0.75	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
23	1.30	1.30	1.50	1.05	0.75	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
24	1.00	1.00	0.80	1.05	0.75	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
25	1.30	1.30	1.50	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
26	1.30	1.30	1.50	0.0	0.75	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
27	1.30	1.30	1.50	1.50	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
28	1.30	1.30	1.50	1.50	0.75	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
29	1.00	1.00	0.80	0.0	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
30	1.00	1.00	0.80	0.0	0.75	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
31	1.00	1.00	0.80	1.50	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
32	1.00	1.00	0.80	1.50	0.75	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
33	1.30	1.30	1.50	0.0	1.50	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
34	1.30	1.30	1.50	1.05	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
35	1.30	1.30	1.50	1.05	1.50	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
36	1.00	1.00	0.80	0.0	1.50	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
37	1.00	1.00	0.80	1.05	0.0	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
38	1.00	1.00	0.80	1.05	1.50	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
39	1.30	1.30	1.50	1.05	0.75	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
40	1.00	1.00	0.80	1.05	0.75	0.0	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
41	1.30	1.30	1.50	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
42	1.30	1.30	1.50	0.0	0.75	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
43	1.30	1.30	1.50	1.05	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
44	1.30	1.30	1.50	1.05	0.75	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
45	1.00	1.00	0.80	0.0	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
46	1.00	1.00	0.80	0.0	0.75	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
47	1.00	1.00	0.80	1.05	0.0	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
48	1.00	1.00	0.80	1.05	0.75	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
49	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
50	1.30	1.30	1.50	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
51	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
52	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
53	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
54	1.00	1.00	0.80	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
55	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
56	1.00	1.00	0.80	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
57	1.30	1.30	1.50	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
58	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
59	1.30	1.30	1.50	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
60	1.00	1.00	0.80	0.0	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
61	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
62	1.00	1.00	0.80	1.05	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
63	1.30	1.30	1.50	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
64	1.00	1.00	0.80	1.05	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
65	1.00	1.00	1.00	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
66	1.00	1.00	1.00	0.0	0.50	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
67	1.00	1.00	1.00	1.00	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
68	1.00	1.00	1.00	1.00	0.50	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
69	1.00	1.00	1.00	0.0	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
70	1.00	1.00	1.00	0.70	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
71	1.00	1.00	1.00	0.70	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
72	1.00	1.00	1.00	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
73	1.00	1.00	1.00	0.0	0.50	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
74	1.00	1.00	1.00	0.70	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
75	1.00	1.00	1.00	0.70	0.50	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
76	1.00	1.00	1.00	0.70	0.50	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
77	1.00	1.00	1.00	0.0	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
78	1.00	1.00	1.00	0.0	0.50	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
79	1.00	1.00	1.00	1.00	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
80	1.00	1.00	1.00	1.00	0.50	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
81	1.00	1.00	1.00	0.0	1.00	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
82	1.00	1.00	1.00	0.70	0.0	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
83	1.00	1.00	1.00	0.70	1.00	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
84	1.00	1.00	1.00	0.70	0.50	0.0	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
85	1.00	1.00	1.00	0.0	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
86	1.00	1.00	1.00	0.0	0.50	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
87	1.00	1.00	1.00	0.70	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
88	1.00	1.00	1.00	0.70	0.50	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
89	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
90	1.00	1.00	1.00	0.0	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
91	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
92	1.00	1.00	1.00	1.00	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
93	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
94	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
95	1.00	1.00	1.00	0.70	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
96	1.00	1.00	1.00	0.70	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
97	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
98	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
99	1.00	1.00	1.00	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
100	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
101	1.00	1.00	1.00	0.60	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
102	1.00	1.00	1.00	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
103	1.00	1.00	1.00	0.60	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
104	1.00	1.00	1.00	0.0	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
105	1.00	1.00	1.00	0.60	0.0	0.0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
106	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
107	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
108	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
109	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
110	1.00	1.00	1.00	0.60	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
111	1.00	1.00	1.00	0.60	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
112	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
113	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
114	1.00	1.00	1.00	0.60	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
115	1.00	1.00	1.00	0.60	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
116	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
117	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
118	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
119	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
120	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
121	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
122	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
123	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
124	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
125	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
126	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
127	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
128	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
129	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
130	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
131	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
132	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
133	1.00	1.00	1.00	0.60	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
134	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
135	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
136	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
137	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
138	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
139	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
140	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
141	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
142	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
143	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
144	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0
	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
145	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0
	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
146	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
147	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0
	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
148	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
149	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
150	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
151	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
152	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0
	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
153	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0
	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
154	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	-0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
155	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
156	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
157	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
158	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
159	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
160	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
161	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
162	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
163	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
164	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0
	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
165	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0
	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
166	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
167	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0
	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
168	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0
	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
169	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0
	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
170	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	-1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
171	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0
	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					
172	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0					
173	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0					
174	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0					
175	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0					
176	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0					
177	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0					
178	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0					
179	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0					
180	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0					
181	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0					
182	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0					
183	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0					
184	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0					
185	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0					
186	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0					
187	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0					
188	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0					
189	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0					
190	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0					
191	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0					
192	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0					
193	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0					
194	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0					

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
195	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0					
196	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0					
197	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0					
198	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0					
199	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0					
200	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0					
201	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0					
202	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0					
203	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0					
204	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0					
205	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0					
206	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0					
207	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0					
208	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30					
209	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30					
210	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30					
211	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30					
212	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0					
213	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0					
214	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0					
215	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0					
216	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30					
217	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30					
218	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30					
219	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30					
220	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0					
221	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0					
222	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0					
223	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0					
224	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0					
225	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0					
226	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0					
227	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0					
228	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00					
229	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00					
230	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00					
231	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00					
232	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00					
233	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00					
234	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00					
235	1.00	1.00	1.00	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00					

13 AZIONE SISMICA

13.1 VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell'allegato alle NTC (rispettivamente media pesata e interpolazione).

L'azione sismica viene definita in relazione ad un periodo di riferimento V_r che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento V_r e la probabilità di superamento P_{ver} associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno T_r e i relativi parametri di pericolosità sismica (vedi tabella successiva):

ag: accelerazione orizzontale massima del terreno;

Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

13.1.1 PARAMETRI DELLA STRUTTURA					
Classe d'uso	Vita V_n [anni]	Coeff. Uso	Periodo V_r [anni]	Tipo di suolo	Categoria topografica
III	50.0	1.5	75.0	C	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente $S = S_s \cdot S_t$ (3.2.3)

Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale

Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale

Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.

Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.

Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	11.340	44.498	
16952	11.319	44.465	4.017
16953	11.389	44.466	5.253
16731	11.388	44.516	4.286
16730	11.317	44.515	2.618

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45.0	0.064	2.480	0.270
SLD	63.0	75.0	0.079	2.480	0.280
SLV	10.0	712.0	0.191	2.420	0.310
SLC	5.0	1462.0	0.240	2.440	0.320

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.064	1.500	2.480	0.848	0.146	0.437	1.856
SLD	0.079	1.500	2.480	0.941	0.149	0.447	1.916
SLV	0.191	1.423	2.420	1.427	0.160	0.479	2.363
SLC	0.240	1.349	2.440	1.613	0.163	0.489	2.559

14 RISULTATI ANALISI SISMICHE

14.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

- 9. Esk caso di carico sismico con analisi statica equivalente
- 10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l'azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura - "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell'ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

- a) **analisi sismica statica equivalente:**
 - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
 - azione sismica complessiva
- b) **analisi sismica dinamica con spettro di risposta:**
 - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
 - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
 - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione ϵ_T (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità

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1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare 619/2009 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio/ dell'elastomero e tensioni nell'acciaio.

Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.

In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok - verifica positiva , NV - verifica negativa, ND - verifica non completata
dE	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elastomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $\text{Sig } s < f_{yk}$
- 3) $\text{Gam } t < 5$
- 4) $\text{Gam } s < \text{Gam } *$ (caratteristica dell' elastomero)
- 5) $\text{Gam } s < 2$
- 6) $V < 0.5 V_{cr}$

Con riferimento al **Documento di Affidabilità** "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST" - versione Maggio 2011, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
23	DM 2008: SPETTRO
29	SISMICA 1000/H, SOMMA V, EFFETTO P-Δ
30	ANALISI DI UN EDIFICIO CON ISOLATORI SISMICI

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70	MASSE SISMICHE
75	PROGETTO DI ISOLATORI ELASTOMERICI
76	VERIFICA DI ISOLATORI ELASTOMERICI
77	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.311 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	0.0	-0.96	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	0.0	-0.96	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	0.0	-0.96	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	0.0	-0.96	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	0.0	-0.96	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	0.0	-0.96	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	0.0	-0.96	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	0.0	-0.96	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	0.0	-0.96	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	0.0	-0.96	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	0.0	-0.96	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	0.0	-0.96	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	0.0	-0.79	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	0.0	-0.79	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	0.0	-0.79	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	0.0	-0.19	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	0.0	-0.19	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	0.0	-0.19	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	0.0	-0.19	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.220	0.311	0.363	3344.34	63.6	0.34	6.52e-03	0.11	2.13e-03	0.0	0.0
2	3.470	0.288	0.359	0.20	3.76e-03	4722.21	89.8	0.13	2.51e-03	0.0	0.0
3	3.946	0.253	0.364	1269.47	24.1	0.02	4.37e-04	0.03	5.08e-04	0.0	0.0
4	8.865	0.113	0.208	0.17	3.26e-03	440.55	8.4	4.83	9.19e-02	0.0	0.0
5	9.277	0.108	0.216	378.59	7.2	0.58	1.11e-02	5.42	0.1	0.0	0.0
6	10.942	0.091	0.213	188.88	3.6	0.12	2.33e-03	1.42	2.71e-02	0.0	0.0
7	15.586	0.064	0.155	5.29e-03	1.00e-04	0.57	1.08e-02	2030.09	38.6	0.0	0.0
8	18.508	0.054	0.138	0.03	6.37e-04	43.47	0.8	1.81	3.45e-02	0.0	0.0
9	27.846	0.036	0.120	2.74e-03	5.20e-05	0.01	2.63e-04	2505.00	47.6	0.0	0.0
Risulta				5181.68		5207.89		4548.86			
In percentuale				98.49		98.99		86.46			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.343 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	0.0	0.96	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	0.0	0.96	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	0.0	0.96	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	0.0	0.96	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	0.0	0.96	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	0.0	0.96	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	0.0	0.96	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	0.0	0.96	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	0.0	0.96	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	0.0	0.96	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	0.0	0.96	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	0.0	0.96	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	0.0	0.79	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	0.0	0.79	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	0.0	0.79	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	0.0	0.19	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	0.0	0.19	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	0.0	0.19	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	0.0	0.19	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	2.912	0.343	0.303	3299.17	62.7	0.05	9.62e-04	0.08	1.51e-03	0.0	0.0
2	3.469	0.288	0.359	0.02	4.43e-04	4722.51	89.8	0.13	2.48e-03	0.0	0.0
3	4.336	0.231	0.317	1389.83	26.4	0.01	2.59e-04	0.06	1.09e-03	0.0	0.0
4	8.269	0.121	0.197	223.12	4.2	0.22	4.19e-03	3.56	6.77e-02	0.0	0.0
5	8.866	0.113	0.208	0.25	4.70e-03	440.98	8.4	4.28	8.14e-02	0.0	0.0
6	11.910	0.084	0.199	269.23	5.1	0.02	3.13e-04	0.02	3.38e-04	0.0	0.0
7	15.505	0.064	0.156	0.03	5.57e-04	0.63	1.20e-02	1981.54	37.7	0.0	0.0
8	18.502	0.054	0.138	0.01	2.84e-04	43.44	0.8	2.88	5.48e-02	0.0	0.0
9	27.379	0.037	0.120	0.07	1.40e-03	6.06e-03	1.15e-04	2527.49	48.0	0.0	0.0
Risulta				5181.73		5207.87		4520.05			
In percentuale				98.49		98.99		85.91			

CDC	Tipo	Sigla Id	Note
10	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.289 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	1.16	0.0	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	1.16	0.0	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	1.16	0.0	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	1.16	0.0	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	1.16	0.0	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	1.16	0.0	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	1.16	0.0	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	1.16	0.0	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	1.16	0.0	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	1.16	0.0	11.54	5.01	1.593	2.4076e-04	0.217

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
2.97	41.87	11.54	5.79	1.16	0.0	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	1.16	0.0	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	1.16	0.0	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	1.16	0.0	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	1.16	0.0	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X %	M efficace Y %	M efficace Z %	Energia	Energia x v			
	Hz	sec	g	x g kN	x g kN	x g kN					
1	3.034	0.330	0.334	2879.30	54.7	388.14	7.4	0.13	2.53e-03	0.0	0.0
2	3.463	0.289	0.359	592.39	11.3	4111.00	78.1	0.04	8.19e-04	0.0	0.0
3	4.187	0.239	0.343	1179.39	22.4	223.29	4.2	0.10	1.82e-03	0.0	0.0
4	8.575	0.117	0.202	98.63	1.9	212.70	4.0	7.71	0.1	0.0	0.0
5	8.965	0.112	0.210	193.14	3.7	215.32	4.1	3.43e-03	6.51e-05	0.0	0.0
6	11.597	0.086	0.203	233.36	4.4	17.48	0.3	0.14	2.71e-03	0.0	0.0
7	15.508	0.064	0.156	1.19e-06	0.0	0.60	1.13e-02	1984.20	37.7	0.0	0.0
8	18.155	0.055	0.140	12.45	0.2	36.23	0.7	5.69	0.1	0.0	0.0
9	27.431	0.036	0.120	7.57e-04	1.44e-05	2.39e-06	0.0	2525.48	48.0	0.0	0.0
Risulta				5188.66		5204.76		4523.50			
In percentuale				98.62		98.93		85.98			

CDC	Tipo	Sigla Id	Note
11	Edk	CDC=Ed (dinamico SLO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.289 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	-1.16	0.0	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	-1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	-1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	-1.16	0.0	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	-1.16	0.0	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	-1.16	0.0	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	-1.16	0.0	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	-1.16	0.0	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	-1.16	0.0	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	-1.16	0.0	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	-1.16	0.0	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	-1.16	0.0	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	-1.16	0.0	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	-1.16	0.0	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	-1.16	0.0	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	-1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	-1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	-1.16	0.0	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	-1.16	0.0	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.033	0.330	0.334	2869.64	54.5	407.56	7.7	0.04	8.41e-04	0.0	0.0
2	3.466	0.289	0.359	608.87	11.6	4098.28	77.9	0.22	4.13e-03	0.0	0.0
3	4.189	0.239	0.343	1173.29	22.3	216.61	4.1	5.68e-03	1.08e-04	0.0	0.0
4	8.662	0.115	0.204	81.45	1.5	246.95	4.7	8.23e-05	1.56e-06	0.0	0.0
5	8.958	0.112	0.210	200.42	3.8	184.07	3.5	9.63	0.2	0.0	0.0
6	11.280	0.089	0.208	238.97	4.5	13.28	0.3	2.09	3.97e-02	0.0	0.0
7	15.577	0.064	0.155	0.04	8.36e-04	0.66	1.26e-02	2023.63	38.5	0.0	0.0
8	18.230	0.055	0.139	10.90	0.2	37.08	0.7	0.26	4.86e-03	0.0	0.0
9	27.773	0.036	0.120	0.07	1.34e-03	0.07	1.34e-03	2508.63	47.7	0.0	0.0
Risulta				5183.65		5204.57		4544.50			
In percentuale				98.53		98.92		86.38			

CDC	Tipo	Sigla Id	Note
12	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.311 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	0.0	-0.96	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	0.0	-0.96	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	0.0	-0.96	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	0.0	-0.96	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	0.0	-0.96	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	0.0	-0.96	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	0.0	-0.96	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	0.0	-0.96	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	0.0	-0.96	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	0.0	-0.96	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	0.0	-0.96	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	0.0	-0.96	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	0.0	-0.79	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	0.0	-0.79	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	0.0	-0.79	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	0.0	-0.19	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	0.0	-0.19	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	0.0	-0.19	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	0.0	-0.19	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.220	0.311	0.410	3344.34	63.6	0.34	6.52e-03	0.11	2.13e-03	0.0	0.0
2	3.470	0.288	0.403	0.20	3.76e-03	4722.21	89.8	0.13	2.51e-03	0.0	0.0
3	3.946	0.253	0.410	1269.47	24.1	0.02	4.37e-04	0.03	5.08e-04	0.0	0.0
4	8.865	0.113	0.231	0.17	3.26e-03	440.55	8.4	4.83	9.19e-02	0.0	0.0
5	9.277	0.108	0.240	378.59	7.2	0.58	1.11e-02	5.42	0.1	0.0	0.0
6	10.942	0.091	0.235	188.88	3.6	0.12	2.33e-03	1.42	2.71e-02	0.0	0.0
7	15.586	0.064	0.172	5.29e-03	1.00e-04	0.57	1.08e-02	2030.09	38.6	0.0	0.0
8	18.508	0.054	0.154	0.03	6.37e-04	43.47	0.8	1.81	3.45e-02	0.0	0.0
9	27.846	0.036	0.134	2.74e-03	5.20e-05	0.01	2.63e-04	2505.00	47.6	0.0	0.0
Risulta				5181.68		5207.89		4548.86			
In percentuale				98.49		98.99		86.46			

CDC	Tipo	Sigla Id	Note
13	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.343 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	0.0	0.96	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	0.0	0.96	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	0.0	0.96	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	0.0	0.96	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	0.0	0.96	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	0.0	0.96	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	0.0	0.96	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	0.0	0.96	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	0.0	0.96	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	0.0	0.96	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	0.0	0.96	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	0.0	0.96	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	0.0	0.79	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	0.0	0.79	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	0.0	0.79	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	0.0	0.19	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	0.0	0.19	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	0.0	0.19	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	0.0	0.19	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	2.912	0.343	0.344	3299.17	62.7	0.05	9.62e-04	0.08	1.51e-03	0.0	0.0
2	3.469	0.288	0.403	0.02	4.43e-04	4722.51	89.8	0.13	2.48e-03	0.0	0.0
3	4.336	0.231	0.353	1389.83	26.4	0.01	2.59e-04	0.06	1.09e-03	0.0	0.0
4	8.269	0.121	0.219	223.12	4.2	0.22	4.19e-03	3.56	6.77e-02	0.0	0.0
5	8.866	0.113	0.231	0.25	4.70e-03	440.98	8.4	4.28	8.14e-02	0.0	0.0
6	11.910	0.084	0.218	269.23	5.1	0.02	3.13e-04	0.02	3.38e-04	0.0	0.0
7	15.505	0.064	0.172	0.03	5.57e-04	0.63	1.20e-02	1981.54	37.7	0.0	0.0
8	18.502	0.054	0.154	0.01	2.84e-04	43.44	0.8	2.88	5.48e-02	0.0	0.0
9	27.379	0.037	0.134	0.07	1.40e-03	6.06e-03	1.15e-04	2527.49	48.0	0.0	0.0
Risulta				5181.73		5207.87		4520.05			
In percentuale				98.49		98.99		85.91			

CDC	Tipo	Sigla Id	Note
14	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.289 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	1.16	0.0	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	1.16	0.0	11.54	7.93	1.110	0.025	0.010

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
9.10	53.13	11.31	8.08	1.16	0.0	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	1.16	0.0	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	1.16	0.0	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	1.16	0.0	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	1.16	0.0	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	1.16	0.0	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	1.16	0.0	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	1.16	0.0	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	1.16	0.0	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	1.16	0.0	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	1.16	0.0	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	1.16	0.0	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	1.16	0.0	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	1.16	0.0	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.034	0.330	0.378	2879.30	54.7	388.14	7.4	0.13	2.53e-03	0.0	0.0
2	3.463	0.289	0.404	592.39	11.3	4111.00	78.1	0.04	8.19e-04	0.0	0.0
3	4.187	0.239	0.384	1179.39	22.4	223.29	4.2	0.10	1.82e-03	0.0	0.0
4	8.575	0.117	0.224	98.63	1.9	212.70	4.0	7.71	0.1	0.0	0.0
5	8.965	0.112	0.234	193.14	3.7	215.32	4.1	3.43e-03	6.51e-05	0.0	0.0
6	11.597	0.086	0.223	233.36	4.4	17.48	0.3	0.14	2.71e-03	0.0	0.0
7	15.508	0.064	0.172	1.19e-06	0.0	0.60	1.13e-02	1984.20	37.7	0.0	0.0
8	18.155	0.055	0.155	12.45	0.2	36.23	0.7	5.69	0.1	0.0	0.0
9	27.431	0.036	0.134	7.57e-04	1.44e-05	2.39e-06	0.0	2525.48	48.0	0.0	0.0
Risulta				5188.66		5204.76		4523.50			
In percentuale				98.62		98.93		85.98			

CDC	Tipo	Sigla Id	Note
15	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.289 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	-1.16	0.0	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	-1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	-1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	-1.16	0.0	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	-1.16	0.0	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	-1.16	0.0	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	-1.16	0.0	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	-1.16	0.0	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	-1.16	0.0	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	-1.16	0.0	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	-1.16	0.0	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	-1.16	0.0	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	-1.16	0.0	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	-1.16	0.0	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	-1.16	0.0	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	-1.16	0.0	11.54	3.28	0.655	0.0	0.181

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
1.57	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	-1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	-1.16	0.0	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	-1.16	0.0	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X %	M efficace Y %	M efficace Z %	Energia	Energia x v			
	Hz	sec	g	x g	x g	x g					
1	3.033	0.330	0.378	2869.64	54.5	407.56	7.7	0.04	8.41e-04	0.0	0.0
2	3.466	0.289	0.404	608.87	11.6	4098.28	77.9	0.22	4.13e-03	0.0	0.0
3	4.189	0.239	0.384	1173.29	22.3	216.61	4.1	5.68e-03	1.08e-04	0.0	0.0
4	8.662	0.115	0.226	81.45	1.5	246.95	4.7	8.23e-05	1.56e-06	0.0	0.0
5	8.958	0.112	0.233	200.42	3.8	184.07	3.5	9.63	0.2	0.0	0.0
6	11.280	0.089	0.228	238.97	4.5	13.28	0.3	2.09	3.97e-02	0.0	0.0
7	15.577	0.064	0.172	0.04	8.36e-04	0.66	1.26e-02	2023.63	38.5	0.0	0.0
8	18.230	0.055	0.155	10.90	0.2	37.08	0.7	0.26	4.86e-03	0.0	0.0
9	27.773	0.036	0.134	0.07	1.34e-03	0.07	1.34e-03	2508.63	47.7	0.0	0.0
Risulta				5183.65		5204.57		4544.50			
In percentuale				98.53		98.92		86.38			

CDC	Tipo	Sigla Id	Note
16	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.311 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	0.0	-0.96	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	0.0	-0.96	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	0.0	-0.96	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	0.0	-0.96	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	0.0	-0.96	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	0.0	-0.96	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	0.0	-0.96	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	0.0	-0.96	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	0.0	-0.96	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	0.0	-0.96	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	0.0	-0.96	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	0.0	-0.96	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	0.0	-0.79	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	0.0	-0.79	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	0.0	-0.79	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	0.0	-0.19	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	0.0	-0.19	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	0.0	-0.19	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	0.0	-0.19	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.220	0.311	0.412	3344.34	63.6	0.34	6.52e-03	0.11	2.13e-03	0.0	0.0
2	3.470	0.288	0.397	0.20	3.76e-03	4722.21	89.8	0.13	2.51e-03	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
3	3.946	0.253	0.379	1269.47	24.1	0.02	4.37e-04	0.03	5.08e-04	0.0	0.0
4	8.865	0.113	0.204	0.17	3.26e-03	440.55	8.4	4.83	9.19e-02	0.0	0.0
5	9.277	0.108	0.206	378.59	7.2	0.58	1.11e-02	5.42	0.1	0.0	0.0
6	10.942	0.091	0.195	188.88	3.6	0.12	2.33e-03	1.42	2.71e-02	0.0	0.0
7	15.586	0.064	0.152	5.29e-03	1.00e-04	0.57	1.08e-02	2030.09	38.6	0.0	0.0
8	18.508	0.054	0.141	0.03	6.37e-04	43.47	0.8	1.81	3.45e-02	0.0	0.0
9	27.846	0.036	0.129	2.74e-03	5.20e-05	0.01	2.63e-04	2505.00	47.6	0.0	0.0
Risulta				5181.68		5207.89		4548.86			
In percentuale				98.49		98.99		86.46			

CDC	Tipo	Sigla Id	Note
17	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.343 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	0.0	0.96	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	0.0	0.96	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	0.0	0.96	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	0.0	0.96	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	0.0	0.96	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	0.0	0.96	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	0.0	0.96	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	0.0	0.96	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	0.0	0.96	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	0.0	0.96	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	0.0	0.96	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	0.0	0.96	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	0.0	0.79	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	0.0	0.79	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	0.0	0.79	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	0.0	0.19	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	0.0	0.19	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	0.0	0.19	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	0.0	0.19	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	2.912	0.343	0.357	3299.17	62.7	0.05	9.62e-04	0.08	1.51e-03	0.0	0.0
2	3.469	0.288	0.397	0.02	4.43e-04	4722.51	89.8	0.13	2.48e-03	0.0	0.0
3	4.336	0.231	0.310	1389.83	26.4	0.01	2.59e-04	0.06	1.09e-03	0.0	0.0
4	8.269	0.121	0.202	223.12	4.2	0.22	4.19e-03	3.56	6.77e-02	0.0	0.0
5	8.866	0.113	0.204	0.25	4.70e-03	440.98	8.4	4.28	8.14e-02	0.0	0.0
6	11.910	0.084	0.183	269.23	5.1	0.02	3.13e-04	0.02	3.38e-04	0.0	0.0
7	15.505	0.064	0.152	0.03	5.57e-04	0.63	1.20e-02	1981.54	37.7	0.0	0.0
8	18.502	0.054	0.141	0.01	2.84e-04	43.44	0.8	2.88	5.48e-02	0.0	0.0
9	27.379	0.037	0.129	0.07	1.40e-03	6.06e-03	1.15e-04	2527.49	48.0	0.0	0.0
Risulta				5181.73		5207.87		4520.05			
In percentuale				98.49		98.99		85.91			

CDC	Tipo	Sigla Id	Note
18	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.289 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	1.16	0.0	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	1.16	0.0	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	1.16	0.0	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	1.16	0.0	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	1.16	0.0	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	1.16	0.0	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	1.16	0.0	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	1.16	0.0	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	1.16	0.0	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	1.16	0.0	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	1.16	0.0	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	1.16	0.0	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	1.16	0.0	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	1.16	0.0	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	1.16	0.0	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.034	0.330	0.391	2879.30	54.7	388.14	7.4	0.13	2.53e-03	0.0	0.0
2	3.463	0.289	0.398	592.39	11.3	4111.00	78.1	0.04	8.19e-04	0.0	0.0
3	4.187	0.239	0.336	1179.39	22.4	223.29	4.2	0.10	1.82e-03	0.0	0.0
4	8.575	0.117	0.202	98.63	1.9	212.70	4.0	7.71	0.1	0.0	0.0
5	8.965	0.112	0.204	193.14	3.7	215.32	4.1	3.43e-03	6.51e-05	0.0	0.0
6	11.597	0.086	0.186	233.36	4.4	17.48	0.3	0.14	2.71e-03	0.0	0.0
7	15.508	0.064	0.152	1.19e-06	0.0	0.60	1.13e-02	1984.20	37.7	0.0	0.0
8	18.155	0.055	0.141	12.45	0.2	36.23	0.7	5.69	0.1	0.0	0.0
9	27.431	0.036	0.129	7.57e-04	1.44e-05	2.39e-06	0.0	2525.48	48.0	0.0	0.0
Risulta				5188.66		5204.76		4523.50			
In percentuale				98.62		98.93		85.98			

CDC	Tipo	Sigla Id	Note
19	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.289 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	-1.16	0.0	11.54	7.54	1.092	0.001	0.039

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
10.10	60.68	11.31	8.09	-1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	-1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	-1.16	0.0	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	-1.16	0.0	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	-1.16	0.0	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	-1.16	0.0	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	-1.16	0.0	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	-1.16	0.0	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	-1.16	0.0	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	-1.16	0.0	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	-1.16	0.0	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	-1.16	0.0	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	-1.16	0.0	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	-1.16	0.0	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	-1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	-1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	-1.16	0.0	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	-1.16	0.0	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.033	0.330	0.391	2869.64	54.5	407.56	7.7	0.04	8.41e-04	0.0	0.0
2	3.466	0.289	0.397	608.87	11.6	4098.28	77.9	0.22	4.13e-03	0.0	0.0
3	4.189	0.239	0.336	1173.29	22.3	216.61	4.1	5.68e-03	1.08e-04	0.0	0.0
4	8.662	0.115	0.203	81.45	1.5	246.95	4.7	8.23e-05	1.56e-06	0.0	0.0
5	8.958	0.112	0.204	200.42	3.8	184.07	3.5	9.63	0.2	0.0	0.0
6	11.280	0.089	0.190	238.97	4.5	13.28	0.3	2.09	3.97e-02	0.0	0.0
7	15.577	0.064	0.152	0.04	8.36e-04	0.66	1.26e-02	2023.63	38.5	0.0	0.0
8	18.230	0.055	0.141	10.90	0.2	37.08	0.7	0.26	4.86e-03	0.0	0.0
9	27.773	0.036	0.129	0.07	1.34e-03	0.07	1.34e-03	2508.63	47.7	0.0	0.0
Risulta				5183.65		5204.57		4544.50			
In percentuale				98.53		98.92		86.38			

CDC	Tipo	Sigla Id	Note
20	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.311 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	0.0	-0.96	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	0.0	-0.96	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	0.0	-0.96	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	0.0	-0.96	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	0.0	-0.96	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	0.0	-0.96	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	0.0	-0.96	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	0.0	-0.96	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	0.0	-0.96	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	0.0	-0.96	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	0.0	-0.96	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	0.0	-0.96	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	0.0	-0.96	11.54	5.01	1.593	2.4076e-04	0.217

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
2.97	41.87	11.54	5.79	0.0	-0.79	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	0.0	-0.79	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	0.0	-0.79	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	0.0	-0.19	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	0.0	-0.19	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	0.0	-0.19	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	0.0	-0.48	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	0.0	-0.19	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.220	0.311	0.486	3344.34	63.6	0.34	6.52e-03	0.11	2.13e-03	0.0	0.0
2	3.470	0.288	0.461	0.20	3.76e-03	4722.21	89.8	0.13	2.51e-03	0.0	0.0
3	3.946	0.253	0.428	1269.47	24.1	0.02	4.37e-04	0.03	5.08e-04	0.0	0.0
4	8.865	0.113	0.236	0.17	3.26e-03	440.55	8.4	4.83	9.19e-02	0.0	0.0
5	9.277	0.108	0.235	378.59	7.2	0.58	1.11e-02	5.42	0.1	0.0	0.0
6	10.942	0.091	0.219	188.88	3.6	0.12	2.33e-03	1.42	2.71e-02	0.0	0.0
7	15.586	0.064	0.176	5.29e-03	1.00e-04	0.57	1.08e-02	2030.09	38.6	0.0	0.0
8	18.508	0.054	0.165	0.03	6.37e-04	43.47	0.8	1.81	3.45e-02	0.0	0.0
9	27.846	0.036	0.154	2.74e-03	5.20e-05	0.01	2.63e-04	2505.00	47.6	0.0	0.0
Risulta				5181.68		5207.89		4548.86			
In percentuale				98.49		98.99		86.46			

CDC	Tipo	Sigla Id	Note
21	Edk	CDC=Ed (dinamico SL CO) alfa=0.0 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.343 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	0.0	0.96	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	0.0	0.96	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	0.0	0.96	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	0.0	0.96	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	0.0	0.96	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	0.0	0.96	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	0.0	0.96	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	0.0	0.96	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	0.0	0.96	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	0.0	0.96	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	0.0	0.96	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	0.0	0.96	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	0.0	0.96	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	0.0	0.79	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	0.0	0.79	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	0.0	0.79	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	0.0	0.19	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	0.0	0.19	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	0.0	0.19	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	0.0	0.48	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	0.0	0.19	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g kN	%	M efficace Y x g kN	%	M efficace Z x g kN	%	Energia	Energia x v
	Hz	sec	g								
1	2.912	0.343	0.433	3299.17	62.7	0.05	9.62e-04	0.08	1.51e-03	0.0	0.0
2	3.469	0.288	0.461	0.02	4.43e-04	4722.51	89.8	0.13	2.48e-03	0.0	0.0
3	4.336	0.231	0.348	1389.83	26.4	0.01	2.59e-04	0.06	1.09e-03	0.0	0.0
4	8.269	0.121	0.238	223.12	4.2	0.22	4.19e-03	3.56	6.77e-02	0.0	0.0
5	8.866	0.113	0.236	0.25	4.70e-03	440.98	8.4	4.28	8.14e-02	0.0	0.0
6	11.910	0.084	0.207	269.23	5.1	0.02	3.13e-04	0.02	3.38e-04	0.0	0.0
7	15.505	0.064	0.176	0.03	5.57e-04	0.63	1.20e-02	1981.54	37.7	0.0	0.0
8	18.502	0.054	0.165	0.01	2.84e-04	43.44	0.8	2.88	5.48e-02	0.0	0.0
9	27.379	0.037	0.154	0.07	1.40e-03	6.06e-03	1.15e-04	2527.49	48.0	0.0	0.0
Risulta				5181.73		5207.87		4520.05			
In percentuale				98.49		98.99		85.91			

CDC	Tipo	Sigla Id	Note
22	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. +)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.289 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	1.16	0.0	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	1.16	0.0	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	1.16	0.0	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	1.16	0.0	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	1.16	0.0	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	1.16	0.0	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	1.16	0.0	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	1.16	0.0	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	1.16	0.0	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	1.16	0.0	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	1.16	0.0	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	1.16	0.0	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	1.16	0.0	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	1.16	0.0	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	1.16	0.0	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g kN	%	M efficace Y x g kN	%	M efficace Z x g kN	%	Energia	Energia x v
	Hz	sec	g								
1	3.034	0.330	0.469	2879.30	54.7	388.14	7.4	0.13	2.53e-03	0.0	0.0
2	3.463	0.289	0.462	592.39	11.3	4111.00	78.1	0.04	8.19e-04	0.0	0.0
3	4.187	0.239	0.373	1179.39	22.4	223.29	4.2	0.10	1.82e-03	0.0	0.0
4	8.575	0.117	0.236	98.63	1.9	212.70	4.0	7.71	0.1	0.0	0.0
5	8.965	0.112	0.235	193.14	3.7	215.32	4.1	3.43e-03	6.51e-05	0.0	0.0
6	11.597	0.086	0.211	233.36	4.4	17.48	0.3	0.14	2.71e-03	0.0	0.0
7	15.508	0.064	0.176	1.19e-06	0.0	0.60	1.13e-02	1984.20	37.7	0.0	0.0
8	18.155	0.055	0.165	12.45	0.2	36.23	0.7	5.69	0.1	0.0	0.0
9	27.431	0.036	0.154	7.57e-04	1.44e-05	2.39e-06	0.0	2525.48	48.0	0.0	0.0
Risulta				5188.66		5204.76		4523.50			

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X % x g	M efficace Y % x g	M efficace Z % x g	Energia	Energia x v
In percentuale				98.62	98.93	85.98		

CDC	Tipo	Sigla Id	Note
23	Edk	CDC=Ed (dinamico SL CO) alfa=90.00 (ecc. -)	
			categoria suolo: da R.S.L.
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.289 sec.
			fattore q: 1.000
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	kN	m	m	m	m	m	m			
10.60	692.36	11.55	8.14	-1.16	0.0	11.54	7.54	1.092	0.001	0.039
10.10	60.68	11.31	8.09	-1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.60	60.68	11.31	8.09	-1.16	0.0	11.54	7.93	1.110	0.025	0.010
9.10	53.13	11.31	8.08	-1.16	0.0	11.54	7.85	1.004	0.026	0.014
8.58	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
8.05	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.53	45.58	11.31	8.07	-1.16	0.0	11.54	7.85	1.004	0.026	0.013
7.00	1824.87	11.54	8.14	-1.16	0.0	11.54	7.87	1.019	2.2526e-04	0.016
6.50	49.16	11.26	8.08	-1.16	0.0	11.54	7.88	1.020	0.032	0.012
6.00	49.16	11.26	8.08	-1.16	0.0	11.54	7.88	1.020	0.032	0.012
5.50	48.85	11.29	8.08	-1.16	0.0	11.54	7.87	1.019	0.028	0.013
4.98	48.54	11.33	8.08	-1.16	0.0	11.54	7.87	1.019	0.024	0.013
4.45	54.58	11.35	8.08	-1.16	0.0	11.54	7.90	1.069	0.021	0.012
3.93	60.63	11.37	8.09	-1.16	0.0	11.54	7.90	1.069	0.019	0.012
3.40	1862.96	11.54	8.12	-1.16	0.0	11.54	5.01	1.593	2.4076e-04	0.217
2.97	41.87	11.54	5.79	-1.16	0.0	11.54	4.92	1.933	4.5863e-05	0.062
2.53	41.87	11.54	5.79	-1.16	0.0	11.54	4.92	1.933	0.0	0.062
2.10	40.56	11.59	6.26	-1.16	0.0	11.54	5.07	1.827	0.004	0.083
1.65	15.99	11.54	2.28	-1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.57	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
1.20	15.10	11.54	2.28	-1.16	0.0	11.54	3.28	0.655	0.0	0.181
1.05	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.80	15.94	11.54	2.06	-1.16	0.0	11.54	3.10	0.628	0.0	0.193
0.53	23.26	11.71	9.85	-1.16	0.0	11.54	6.60	2.342	0.015	0.172
0.40	17.67	11.54	1.88	-1.16	0.0	11.54	3.10	0.628	0.0	0.227
Risulta	5261.13									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	kN		kN		kN			
1	3.033	0.330	0.469	2869.64	54.5	407.56	7.7	0.04	8.41e-04	0.0	0.0
2	3.466	0.289	0.462	608.87	11.6	4098.28	77.9	0.22	4.13e-03	0.0	0.0
3	4.189	0.239	0.373	1173.29	22.3	216.61	4.1	5.68e-03	1.08e-04	0.0	0.0
4	8.662	0.115	0.236	81.45	1.5	246.95	4.7	8.23e-05	1.56e-06	0.0	0.0
5	8.958	0.112	0.235	200.42	3.8	184.07	3.5	9.63	0.2	0.0	0.0
6	11.280	0.089	0.215	238.97	4.5	13.28	0.3	2.09	3.97e-02	0.0	0.0
7	15.577	0.064	0.176	0.04	8.36e-04	0.66	1.26e-02	2023.63	38.5	0.0	0.0
8	18.230	0.055	0.165	10.90	0.2	37.08	0.7	0.26	4.86e-03	0.0	0.0
9	27.773	0.036	0.154	0.07	1.34e-03	0.07	1.34e-03	2508.63	47.7	0.0	0.0
Risulta				5183.65		5204.57		4544.50			
In percentuale				98.53		98.92		86.38			

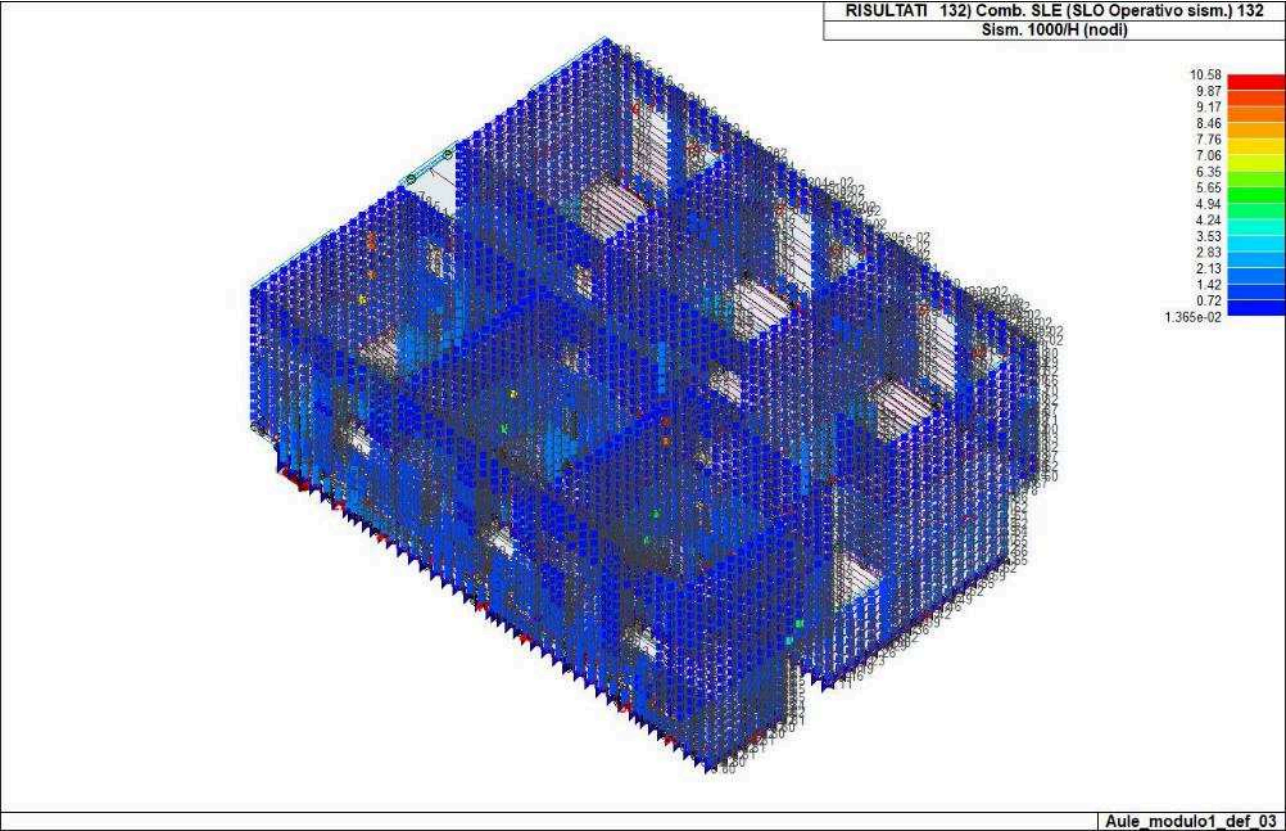


Figura 9: Valutazione 1000/H

15 RISULTATI NODALI

15.1 LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione F_z , della reazione M_x e della reazione M_y .

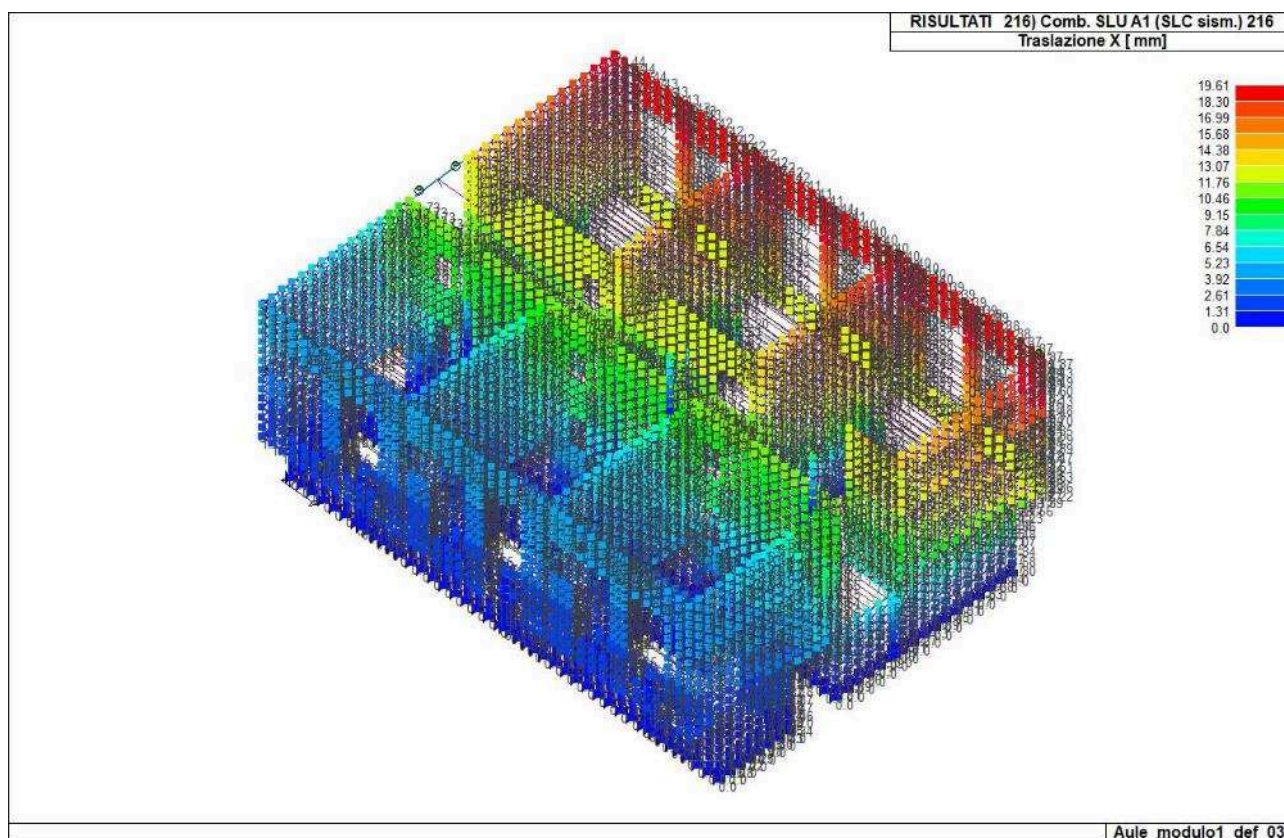


Figura 10: Spostamenti in direzione X

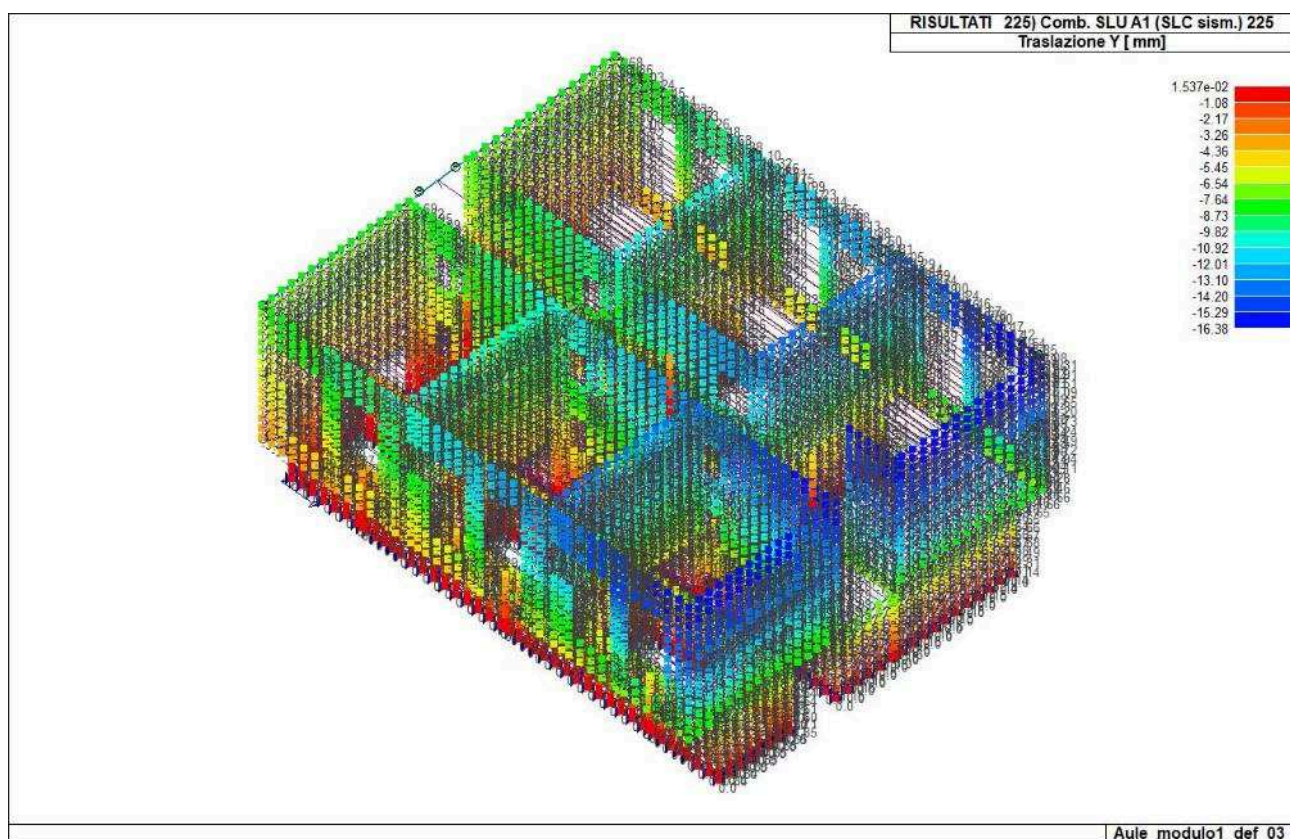


Figura 11: Spostamenti in direzione Y

Nodo	Cmb	Traslazione X mm	Traslazione Y mm	Traslazione Z mm	Rotazione X	Rotazione Y	Rotazione Z
1	1	0.0	0.0	0.0	-9.38e-05	0.0	-1.20e-06
1	65	0.0	0.0	0.0	-5.95e-05	0.0	0.0
1	97	0.0	0.0	0.0	3.36e-05	0.0	0.0
1	106	0.0	0.0	0.0	3.36e-05	0.0	0.0
1	108	0.0	0.0	0.0	-6.89e-04	0.0	-4.93e-06
1	140	0.0	0.0	0.0	-7.81e-04	0.0	-5.38e-06
1	172	0.0	0.0	0.0	-7.71e-04	0.0	-5.37e-06
1	204	0.0	0.0	0.0	-9.07e-04	0.0	-6.07e-06
2	28	-2.20e-03	-0.12	-0.08	2.20e-04	0.0	-2.05e-05
2	44	-2.06e-03	-0.17	-0.07	3.06e-04	0.0	-1.85e-05
2	80	-1.53e-03	-0.08	-0.06	1.50e-04	0.0	-1.44e-05
2	88	-1.44e-03	-0.11	-0.05	2.07e-04	0.0	-1.30e-05
2	98	-1.15e-03	-0.03	-0.04	4.50e-05	0.0	-1.16e-05
2	105	-1.13e-03	-0.04	-0.04	7.46e-05	0.0	-1.12e-05
2	107	-1.10e-03	-0.03	-0.04	4.28e-05	0.0	-1.10e-05
2	115	-0.70	-0.42	-0.04	8.04e-04	0.0	4.75e-05
2	133	-0.04	-0.65	-0.07	1.23e-03	0.0	-5.87e-06
2	139	-0.40	-0.76	-0.07	1.45e-03	0.0	2.58e-05
2	147	-0.79	-0.47	-0.04	8.99e-04	0.0	5.49e-05
2	165	-0.05	-0.72	-0.07	1.38e-03	0.0	-5.19e-06
2	171	-0.45	-0.86	-0.07	1.63e-03	0.0	3.05e-05
2	179	-0.79	-0.47	-0.04	8.92e-04	0.0	5.46e-05
2	197	-0.05	-0.72	-0.07	1.36e-03	0.0	-5.17e-06
2	203	-0.45	-0.85	-0.07	1.62e-03	0.0	3.09e-05
2	211	-0.93	-0.55	-0.04	1.04e-03	0.0	6.60e-05
2	229	-0.06	-0.83	-0.08	1.58e-03	0.0	-3.85e-06
2	235	-0.54	-0.99	-0.07	1.88e-03	0.0	3.91e-05
3	4	-2.24e-03	0.04	-0.04	-8.42e-05	0.0	-2.25e-05
3	28	-2.33e-03	-0.11	-0.04	1.98e-04	0.0	-2.27e-05
3	44	-2.18e-03	-0.16	-0.03	2.86e-04	0.0	-1.99e-05
3	68	-1.56e-03	0.02	-0.03	-5.42e-05	0.0	-1.58e-05
3	80	-1.62e-03	-0.07	-0.03	1.34e-04	0.0	-1.59e-05
3	88	-1.52e-03	-0.10	-0.02	1.93e-04	0.0	-1.41e-05
3	98	-1.20e-03	-0.02	-0.02	3.24e-05	0.0	-1.32e-05
3	105	-1.18e-03	-0.04	-0.02	6.25e-05	0.0	-1.26e-05
3	107	-1.14e-03	-0.02	-0.02	3.08e-05	0.0	-1.26e-05
3	115	-0.70	-0.45	-0.02	8.53e-04	0.0	4.92e-05

3	136	0.39	0.73	-0.04	-1.41e-03	0.0	-5.39e-05
3	139	-0.40	-0.77	-8.00e-03	1.47e-03	0.0	2.88e-05
3	147	-0.79	-0.50	-0.01	9.57e-04	0.0	5.70e-05
3	168	0.44	0.83	-0.04	-1.59e-03	0.0	-5.92e-05
3	171	-0.45	-0.87	-6.19e-03	1.65e-03	0.0	3.41e-05
3	179	-0.79	-0.50	-0.01	9.49e-04	0.0	5.67e-05
3	200	0.45	0.82	-0.04	-1.58e-03	0.0	-5.97e-05
3	203	-0.45	-0.86	-6.35e-03	1.64e-03	0.0	3.45e-05
3	211	-0.93	-0.58	-0.01	1.10e-03	0.0	6.88e-05
3	232	0.54	0.97	-0.04	-1.85e-03	0.0	-6.88e-05
3	235	-0.54	-1.01	-3.65e-03	1.91e-03	0.0	4.36e-05
4	1	0.0	0.0	0.0	-1.07e-04	0.0	-1.40e-06
4	65	0.0	0.0	0.0	-6.90e-05	0.0	-1.03e-06
4	97	0.0	0.0	0.0	2.41e-05	0.0	-1.05e-06
4	106	0.0	0.0	0.0	2.41e-05	0.0	-1.05e-06
4	108	0.0	0.0	0.0	-7.64e-04	0.0	-5.20e-06
4	140	0.0	0.0	0.0	-8.64e-04	0.0	-5.67e-06
4	172	0.0	0.0	0.0	-8.53e-04	0.0	-5.65e-06
4	204	0.0	0.0	0.0	-1.00e-03	0.0	-6.37e-06
5	28	-3.35e-04	-0.24	-0.14	1.94e-04	0.0	-3.61e-05
5	42	-9.36e-04	-0.30	-0.08	2.69e-04	0.0	-2.24e-05
5	44	-6.91e-04	-0.33	-0.13	2.84e-04	0.0	-3.26e-05
5	80	-2.42e-04	-0.16	-0.10	1.31e-04	0.0	-2.53e-05
5	86	-6.42e-04	-0.20	-0.06	1.81e-04	0.0	-1.62e-05
5	88	-4.79e-04	-0.22	-0.09	1.91e-04	0.0	-2.30e-05
5	98	3.47e-05	-0.05	-0.08	2.89e-05	0.0	-2.03e-05
5	104	-2.12e-04	-0.07	-0.05	5.09e-05	0.0	-1.38e-05
5	105	-7.22e-05	-0.08	-0.07	5.95e-05	0.0	-1.96e-05
5	106	-1.29e-04	-0.03	-0.05	1.89e-05	0.0	-1.35e-05
5	107	1.14e-05	-0.05	-0.07	2.75e-05	0.0	-1.93e-05
5	112	1.42	0.75	-0.07	-7.39e-04	0.0	-1.37e-04
5	133	-0.09	-1.29	-0.12	1.22e-03	0.0	-9.75e-06
5	139	-0.80	-1.53	-0.11	1.44e-03	0.0	5.40e-05
5	144	1.60	0.85	-0.07	-8.35e-04	0.0	-1.52e-04
5	165	-0.10	-1.45	-0.12	1.37e-03	0.0	-8.47e-06
5	171	-0.90	-1.71	-0.12	1.62e-03	0.0	6.35e-05
5	176	1.60	0.84	-0.07	-8.28e-04	0.0	-1.51e-04
5	197	-0.10	-1.43	-0.12	1.35e-03	0.0	-8.36e-06
5	203	-0.91	-1.70	-0.12	1.61e-03	0.0	6.44e-05
5	208	1.88	0.99	-0.07	-9.72e-04	0.0	-1.74e-04
5	229	-0.12	-1.66	-0.13	1.57e-03	0.0	-5.87e-06
5	235	-1.09	-1.98	-0.12	1.88e-03	0.0	8.07e-05
6	4	-1.01e-04	0.08	-0.08	-1.05e-04	0.0	-3.88e-05
6	42	-9.39e-04	-0.29	-0.04	2.59e-04	0.0	-2.44e-05
6	44	-7.23e-04	-0.30	-0.07	2.70e-04	0.0	-3.60e-05
6	68	-8.06e-05	0.05	-0.06	-6.88e-05	0.0	-2.73e-05
6	86	-6.39e-04	-0.19	-0.03	1.74e-04	0.0	-1.77e-05
6	88	-4.96e-04	-0.20	-0.05	1.81e-04	0.0	-2.54e-05
6	98	4.46e-05	-0.04	-0.05	2.06e-05	0.0	-2.31e-05
6	104	-1.89e-04	-0.06	-0.03	4.52e-05	0.0	-1.56e-05
6	105	-6.56e-05	-0.07	-0.04	5.14e-05	0.0	-2.22e-05
6	106	-9.90e-05	-0.02	-0.03	1.33e-05	0.0	-1.54e-05
6	107	2.41e-05	-0.03	-0.04	1.95e-05	0.0	-2.20e-05
6	112	1.42	0.83	-0.06	-8.03e-04	0.0	-1.44e-04
6	136	0.80	1.48	-0.07	-1.42e-03	0.0	-1.01e-04
6	139	-0.80	-1.54	-0.02	1.46e-03	0.0	5.65e-05
6	144	1.60	0.94	-0.06	-9.07e-04	0.0	-1.59e-04
6	168	0.90	1.67	-0.07	-1.60e-03	0.0	-1.11e-04
6	171	-0.90	-1.73	-0.01	1.64e-03	0.0	6.67e-05
6	176	1.60	0.93	-0.06	-8.99e-04	0.0	-1.58e-04
6	200	0.91	1.65	-0.07	-1.59e-03	0.0	-1.12e-04
6	203	-0.91	-1.72	-0.01	1.63e-03	0.0	6.76e-05
6	208	1.88	1.09	-0.06	-1.05e-03	0.0	-1.82e-04
6	232	1.09	1.94	-0.08	-1.86e-03	0.0	-1.29e-04
6	235	-1.09	-2.01	-9.39e-03	1.90e-03	0.0	8.50e-05
7	28	5.01e-03	-0.33	-0.20	1.55e-04	0.0	-4.37e-05
7	44	3.63e-03	-0.47	-0.18	2.50e-04	0.0	-3.97e-05
7	52	5.65e-03	-0.11	-0.19	1.08e-05	0.0	-4.17e-05
7	80	3.46e-03	-0.23	-0.14	1.04e-04	0.0	-3.06e-05
7	88	2.54e-03	-0.32	-0.12	1.67e-04	0.0	-2.80e-05
7	92	3.89e-03	-0.07	-0.13	7.47e-06	0.0	-2.93e-05
7	98	3.17e-03	-0.06	-0.11	6.08e-06	0.0	-2.44e-05
7	105	2.82e-03	-0.11	-0.11	3.79e-05	0.0	-2.36e-05
7	107	2.96e-03	-0.06	-0.10	5.73e-06	0.0	-2.32e-05
7	112	2.15	1.14	-0.11	-7.61e-04	0.0	-1.96e-04

7	133	-0.13	-1.93	-0.15	1.19e-03	0.0	-1.06e-05
7	139	-1.21	-2.28	-0.14	1.42e-03	0.0	8.36e-05
7	144	2.42	1.29	-0.11	-8.57e-04	0.0	-2.18e-04
7	165	-0.15	-2.16	-0.16	1.34e-03	0.0	-8.83e-06
7	171	-1.36	-2.56	-0.15	1.60e-03	0.0	9.74e-05
7	176	2.42	1.28	-0.11	-8.50e-04	0.0	-2.17e-04
7	197	-0.15	-2.14	-0.16	1.33e-03	0.0	-8.55e-06
7	203	-1.38	-2.54	-0.15	1.59e-03	0.0	9.88e-05
7	208	2.85	1.51	-0.11	-9.94e-04	0.0	-2.51e-04
7	229	-0.18	-2.48	-0.17	1.54e-03	0.0	-5.16e-06
7	235	-1.64	-2.96	-0.16	1.85e-03	0.0	1.23e-04
8	4	5.62e-03	0.15	-0.12	-1.35e-04	0.0	-4.71e-05
8	44	3.72e-03	-0.44	-0.10	2.44e-04	0.0	-4.62e-05
8	52	5.78e-03	-0.08	-0.12	5.62e-06	0.0	-4.91e-05
8	68	3.88e-03	0.09	-0.08	-9.00e-05	0.0	-3.31e-05
8	88	2.61e-03	-0.30	-0.07	1.63e-04	0.0	-3.25e-05
8	92	3.98e-03	-0.05	-0.08	3.86e-06	0.0	-3.45e-05
8	98	3.26e-03	-0.04	-0.07	3.07e-06	0.0	-2.87e-05
8	105	2.90e-03	-0.09	-0.06	3.48e-05	0.0	-2.77e-05
8	107	3.05e-03	-0.04	-0.07	2.87e-06	0.0	-2.73e-05
8	112	2.15	1.25	-0.08	-8.17e-04	0.0	-2.04e-04
8	136	1.21	2.22	-0.10	-1.43e-03	0.0	-1.38e-04
8	139	-1.21	-2.31	-0.03	1.43e-03	0.0	8.37e-05
8	144	2.43	1.42	-0.09	-9.20e-04	0.0	-2.26e-04
8	168	1.37	2.51	-0.11	-1.61e-03	0.0	-1.53e-04
8	171	-1.36	-2.59	-0.02	1.61e-03	0.0	9.81e-05
8	176	2.43	1.41	-0.09	-9.13e-04	0.0	-2.26e-04
8	200	1.39	2.49	-0.11	-1.60e-03	0.0	-1.54e-04
8	203	-1.38	-2.57	-0.02	1.60e-03	0.0	9.95e-05
8	208	2.85	1.65	-0.09	-1.07e-03	0.0	-2.60e-04
8	232	1.65	2.92	-0.11	-1.87e-03	0.0	-1.79e-04
8	235	-1.64	-3.00	-0.02	1.87e-03	0.0	1.24e-04
9	28	0.01	-0.41	-0.26	1.08e-04	0.0	-4.04e-05
9	44	0.01	-0.59	-0.23	2.08e-04	0.0	-3.73e-05
9	52	0.02	-0.10	-0.26	-3.57e-05	0.0	-3.80e-05
9	80	0.01	-0.27	-0.18	7.07e-05	0.0	-2.83e-05
9	88	8.07e-03	-0.40	-0.16	1.37e-04	0.0	-2.62e-05
9	92	0.01	-0.07	-0.18	-2.51e-05	0.0	-2.67e-05
9	98	8.62e-03	-0.06	-0.15	-2.10e-05	0.0	-2.22e-05
9	105	7.89e-03	-0.12	-0.14	1.18e-05	0.0	-2.17e-05
9	107	8.08e-03	-0.06	-0.14	-2.01e-05	0.0	-2.12e-05
9	112	2.89	1.55	-0.15	-7.81e-04	0.0	-2.48e-04
9	133	-0.17	-2.55	-0.18	1.15e-03	0.0	-6.14e-06
9	139	-1.61	-3.02	-0.17	1.38e-03	0.0	1.18e-04
9	144	3.26	1.75	-0.15	-8.77e-04	0.0	-2.77e-04
9	165	-0.19	-2.86	-0.19	1.30e-03	0.0	-4.05e-06
9	171	-1.82	-3.40	-0.17	1.56e-03	0.0	1.36e-04
9	176	3.26	1.73	-0.15	-8.69e-04	0.0	-2.76e-04
9	197	-0.20	-2.83	-0.18	1.29e-03	0.0	-3.50e-06
9	203	-1.85	-3.37	-0.17	1.54e-03	0.0	1.38e-04
9	208	3.83	2.04	-0.15	-1.01e-03	0.0	-3.20e-04
9	229	-0.23	-3.29	-0.19	1.50e-03	0.0	0.0
9	235	-2.20	-3.93	-0.18	1.81e-03	0.0	1.69e-04
10	4	0.01	0.22	-0.16	-1.70e-04	0.0	-4.61e-05
10	44	0.01	-0.56	-0.14	2.12e-04	0.0	-4.80e-05
10	52	0.01	-0.07	-0.16	-3.00e-05	0.0	-4.91e-05
10	68	9.82e-03	0.15	-0.11	-1.15e-04	0.0	-3.25e-05
10	88	7.47e-03	-0.38	-0.10	1.40e-04	0.0	-3.38e-05
10	92	9.95e-03	-0.05	-0.11	-2.12e-05	0.0	-3.45e-05
10	98	8.08e-03	-0.04	-0.09	-1.78e-05	0.0	-2.87e-05
10	105	7.38e-03	-0.11	-0.09	1.48e-05	0.0	-2.80e-05
10	107	7.58e-03	-0.04	-0.09	-1.70e-05	0.0	-2.73e-05
10	112	2.88	1.69	-0.11	-8.29e-04	0.0	-2.57e-04
10	136	1.62	2.97	-0.14	-1.43e-03	0.0	-1.69e-04
10	139	-1.61	-3.05	-0.04	1.40e-03	0.0	1.15e-04
10	144	3.24	1.90	-0.12	-9.31e-04	0.0	-2.87e-04
10	168	1.83	3.35	-0.14	-1.61e-03	0.0	-1.88e-04
10	171	-1.82	-3.43	-0.04	1.57e-03	0.0	1.33e-04
10	176	3.24	1.89	-0.12	-9.24e-04	0.0	-2.85e-04
10	200	1.86	3.33	-0.14	-1.60e-03	0.0	-1.90e-04
10	203	-1.84	-3.41	-0.04	1.56e-03	0.0	1.35e-04
10	208	3.81	2.21	-0.12	-1.08e-03	0.0	-3.31e-04
10	232	2.21	3.90	-0.15	-1.87e-03	0.0	-2.21e-04
10	235	-2.19	-3.98	-0.03	1.83e-03	0.0	1.67e-04
11	4	-2.04e-03	0.05	-0.03	-1.05e-04	0.0	-1.99e-05

11	28	-2.14e-03	-0.10	-0.03	1.77e-04	0.0	-2.06e-05
11	44	-2.02e-03	-0.14	-0.02	2.67e-04	0.0	-1.82e-05
11	68	-1.42e-03	0.03	-0.02	-6.86e-05	0.0	-1.40e-05
11	80	-1.49e-03	-0.07	-0.02	1.19e-04	0.0	-1.44e-05
11	88	-1.41e-03	-0.10	-0.02	1.79e-04	0.0	-1.29e-05
11	98	-1.08e-03	-0.01	-0.02	2.01e-05	0.0	-1.18e-05
11	105	-1.07e-03	-0.03	-0.02	5.07e-05	0.0	-1.13e-05
11	107	-1.03e-03	-0.01	-0.02	1.91e-05	0.0	-1.13e-05
11	115	-0.70	-0.48	-0.02	9.04e-04	0.0	4.98e-05
11	134	0.04	0.60	-0.02	-1.15e-03	0.0	-1.87e-05
11	139	-0.40	-0.78	-9.50e-03	1.49e-03	0.0	2.88e-05
11	147	-0.79	-0.54	-0.02	1.02e-03	0.0	5.75e-05
11	166	0.05	0.68	-0.02	-1.30e-03	0.0	-1.97e-05
11	171	-0.45	-0.88	-8.74e-03	1.67e-03	0.0	3.40e-05
11	179	-0.79	-0.53	-0.01	1.01e-03	0.0	5.72e-05
11	198	0.05	0.67	-0.02	-1.29e-03	0.0	-1.97e-05
11	203	-0.45	-0.88	-8.80e-03	1.66e-03	0.0	3.44e-05
11	211	-0.93	-0.62	-0.01	1.18e-03	0.0	6.92e-05
11	230	0.06	0.79	-0.02	-1.50e-03	0.0	-2.16e-05
11	235	-0.54	-1.02	-7.68e-03	1.94e-03	0.0	4.33e-05
12	1	0.0	0.0	0.0	-1.19e-04	0.0	-1.26e-06
12	65	0.0	0.0	0.0	-7.80e-05	0.0	0.0
12	97	0.0	0.0	0.0	1.49e-05	0.0	0.0
12	106	0.0	0.0	0.0	1.49e-05	0.0	0.0
12	108	0.0	0.0	0.0	-8.38e-04	0.0	-5.06e-06
12	140	0.0	0.0	0.0	-9.46e-04	0.0	-5.53e-06
12	172	0.0	0.0	0.0	-9.34e-04	0.0	-5.51e-06
12	204	0.0	0.0	0.0	-1.09e-03	0.0	-6.24e-06
13	4	1.88e-04	0.11	-0.06	-1.19e-04	0.0	-3.49e-05
13	44	-4.88e-04	-0.28	-0.05	2.55e-04	0.0	-3.31e-05
13	46	-7.98e-04	-0.26	-0.02	2.45e-04	0.0	-1.66e-05
13	68	1.23e-04	0.07	-0.04	-7.84e-05	0.0	-2.45e-05
13	86	-5.21e-04	-0.18	-0.02	1.67e-04	0.0	-1.63e-05
13	88	-3.27e-04	-0.19	-0.03	1.71e-04	0.0	-2.33e-05
13	98	2.13e-04	-0.02	-0.03	1.20e-05	0.0	-2.10e-05
13	105	9.40e-05	-0.05	-0.03	4.31e-05	0.0	-2.02e-05
13	107	1.85e-04	-0.02	-0.03	1.14e-05	0.0	-2.00e-05
13	112	1.42	0.91	-0.03	-8.69e-04	0.0	-1.42e-04
13	134	0.09	1.21	-0.05	-1.15e-03	0.0	-3.27e-05
13	139	-0.80	-1.56	-0.02	1.47e-03	0.0	5.82e-05
13	144	1.60	1.02	-0.03	-9.80e-04	0.0	-1.57e-04
13	166	0.10	1.36	-0.05	-1.30e-03	0.0	-3.43e-05
13	171	-0.90	-1.76	-0.02	1.65e-03	0.0	6.83e-05
13	176	1.60	1.02	-0.03	-9.73e-04	0.0	-1.56e-04
13	198	0.10	1.35	-0.05	-1.29e-03	0.0	-3.45e-05
13	203	-0.92	-1.75	-0.02	1.64e-03	0.0	6.92e-05
13	208	1.88	1.19	-0.03	-1.14e-03	0.0	-1.80e-04
13	230	0.12	1.58	-0.05	-1.50e-03	0.0	-3.77e-05
13	235	-1.09	-2.04	-0.01	1.92e-03	0.0	8.66e-05
14	4	6.06e-03	0.17	-0.08	-1.39e-04	0.0	-4.27e-05
14	44	4.07e-03	-0.41	-0.07	2.37e-04	0.0	-4.25e-05
14	52	6.20e-03	-0.05	-0.08	0.0	0.0	-4.47e-05
14	68	4.19e-03	0.11	-0.06	-9.29e-05	0.0	-3.00e-05
14	88	2.86e-03	-0.28	-0.05	1.58e-04	0.0	-2.99e-05
14	92	4.28e-03	-0.03	-0.06	0.0	0.0	-3.14e-05
14	98	3.52e-03	-0.03	-0.05	0.0	0.0	-2.61e-05
14	105	3.14e-03	-0.08	-0.05	3.16e-05	0.0	-2.53e-05
14	107	3.29e-03	-0.03	-0.05	0.0	0.0	-2.49e-05
14	112	2.15	1.37	-0.05	-8.74e-04	0.0	-2.02e-04
14	134	0.14	1.81	-0.07	-1.15e-03	0.0	-4.01e-05
14	139	-1.21	-2.33	-0.03	1.45e-03	0.0	8.66e-05
14	144	2.43	1.54	-0.05	-9.84e-04	0.0	-2.25e-04
14	166	0.15	2.04	-0.07	-1.30e-03	0.0	-4.21e-05
14	171	-1.36	-2.62	-0.02	1.63e-03	0.0	1.01e-04
14	176	2.43	1.53	-0.05	-9.76e-04	0.0	-2.24e-04
14	198	0.16	2.02	-0.07	-1.28e-03	0.0	-4.24e-05
14	203	-1.38	-2.61	-0.02	1.62e-03	0.0	1.02e-04
14	208	2.85	1.79	-0.05	-1.14e-03	0.0	-2.59e-04
14	230	0.18	2.36	-0.07	-1.50e-03	0.0	-4.65e-05
14	235	-1.64	-3.04	-0.02	1.89e-03	0.0	1.27e-04
15	4	0.01	0.25	-0.11	-1.62e-04	0.0	-4.11e-05
15	44	0.01	-0.53	-0.10	2.16e-04	0.0	-4.36e-05
15	52	0.01	-0.04	-0.11	-2.30e-05	0.0	-4.41e-05
15	68	9.75e-03	0.17	-0.08	-1.09e-04	0.0	-2.90e-05
15	88	7.37e-03	-0.36	-0.07	1.43e-04	0.0	-3.06e-05

15	92	9.86e-03	-0.03	-0.08	-1.63e-05	0.0	-3.10e-05
15	98	8.03e-03	-0.02	-0.07	-1.37e-05	0.0	-2.58e-05
15	105	7.34e-03	-0.09	-0.06	1.85e-05	0.0	-2.52e-05
15	107	7.54e-03	-0.02	-0.06	-1.31e-05	0.0	-2.45e-05
15	112	2.87	1.83	-0.07	-8.77e-04	0.0	-2.56e-04
15	134	0.18	2.42	-0.09	-1.15e-03	0.0	-4.11e-05
15	139	-1.60	-3.08	-0.04	1.41e-03	0.0	1.18e-04
15	144	3.23	2.06	-0.07	-9.86e-04	0.0	-2.85e-04
15	166	0.21	2.72	-0.10	-1.29e-03	0.0	-4.34e-05
15	171	-1.81	-3.47	-0.03	1.59e-03	0.0	1.37e-04
15	176	3.23	2.04	-0.07	-9.78e-04	0.0	-2.84e-04
15	198	0.21	2.70	-0.10	-1.28e-03	0.0	-4.39e-05
15	203	-1.84	-3.45	-0.03	1.58e-03	0.0	1.39e-04
15	208	3.80	2.39	-0.07	-1.14e-03	0.0	-3.30e-04
15	230	0.25	3.15	-0.10	-1.49e-03	0.0	-4.85e-05
15	235	-2.18	-4.03	-0.03	1.86e-03	0.0	1.71e-04
16	4	-1.73e-03	0.06	-0.02	-1.21e-04	0.0	-1.53e-05
16	28	-1.84e-03	-0.09	-0.02	1.59e-04	0.0	-1.64e-05
16	44	-1.76e-03	-0.13	-0.02	2.51e-04	0.0	-1.48e-05
16	68	-1.20e-03	0.04	-0.01	-8.02e-05	0.0	-1.08e-05
16	80	-1.27e-03	-0.06	-0.01	1.07e-04	0.0	-1.15e-05
16	88	-1.22e-03	-0.09	-0.01	1.68e-04	0.0	-1.04e-05
16	98	-9.00e-04	-6.69e-03	-0.01	1.01e-05	0.0	-9.26e-06
16	105	-8.98e-04	-0.02	-0.01	4.10e-05	0.0	-8.94e-06
16	107	-8.55e-04	-6.35e-03	-0.01	9.60e-06	0.0	-8.82e-06
16	115	-0.70	-0.50	-0.01	9.56e-04	0.0	5.11e-05
16	134	0.04	0.61	-0.02	-1.15e-03	0.0	-1.47e-05
16	139	-0.40	-0.79	-7.53e-03	1.50e-03	0.0	2.94e-05
16	147	-0.79	-0.57	-0.01	1.07e-03	0.0	5.87e-05
16	166	0.05	0.68	-0.02	-1.30e-03	0.0	-1.55e-05
16	171	-0.45	-0.89	-7.01e-03	1.69e-03	0.0	3.43e-05
16	179	-0.79	-0.56	-0.01	1.07e-03	0.0	5.84e-05
16	198	0.05	0.68	-0.02	-1.29e-03	0.0	-1.56e-05
16	203	-0.45	-0.89	-7.05e-03	1.68e-03	0.0	3.48e-05
16	211	-0.93	-0.66	-0.01	1.25e-03	0.0	7.01e-05
16	230	0.06	0.79	-0.02	-1.50e-03	0.0	-1.71e-05
16	235	-0.54	-1.04	-6.30e-03	1.97e-03	0.0	4.33e-05
17	1	0.0	0.0	0.0	-1.28e-04	0.0	0.0
17	65	0.0	0.0	0.0	-8.50e-05	0.0	0.0
17	97	0.0	0.0	0.0	7.54e-06	0.0	0.0
17	106	0.0	0.0	0.0	7.54e-06	0.0	0.0
17	108	0.0	0.0	0.0	-9.08e-04	0.0	-4.74e-06
17	140	0.0	0.0	0.0	-1.02e-03	0.0	-5.20e-06
17	172	0.0	0.0	0.0	-1.01e-03	0.0	-5.18e-06
17	204	0.0	0.0	0.0	-1.18e-03	0.0	-5.90e-06
18	4	5.97e-04	0.13	-0.04	-1.29e-04	0.0	-2.68e-05
18	44	-1.52e-04	-0.26	-0.03	2.44e-04	0.0	-2.66e-05
18	51	8.29e-04	-0.02	-0.04	8.87e-06	0.0	-2.66e-05
18	68	4.11e-04	0.08	-0.03	-8.60e-05	0.0	-1.89e-05
18	88	-8.86e-05	-0.18	-0.02	1.63e-04	0.0	-1.87e-05
18	91	5.66e-04	-0.01	-0.03	6.17e-06	0.0	-1.87e-05
18	98	4.49e-04	-0.01	-0.02	5.26e-06	0.0	-1.64e-05
18	105	3.17e-04	-0.04	-0.02	3.64e-05	0.0	-1.59e-05
18	107	4.10e-04	-0.01	-0.02	4.95e-06	0.0	-1.56e-05
18	112	1.42	0.98	-0.02	-9.34e-04	0.0	-1.36e-04
18	134	0.09	1.21	-0.03	-1.15e-03	0.0	-2.64e-05
18	139	-0.80	-1.58	-0.01	1.49e-03	0.0	6.03e-05
18	144	1.60	1.11	-0.02	-1.05e-03	0.0	-1.51e-04
18	166	0.10	1.36	-0.03	-1.29e-03	0.0	-2.78e-05
18	171	-0.90	-1.78	-0.01	1.67e-03	0.0	7.01e-05
18	176	1.60	1.10	-0.02	-1.05e-03	0.0	-1.51e-04
18	198	0.10	1.35	-0.03	-1.28e-03	0.0	-2.81e-05
18	203	-0.92	-1.77	-0.01	1.67e-03	0.0	7.11e-05
18	208	1.88	1.29	-0.02	-1.22e-03	0.0	-1.74e-04
18	230	0.12	1.58	-0.03	-1.49e-03	0.0	-3.09e-05
18	235	-1.09	-2.07	-0.01	1.95e-03	0.0	8.80e-05
19	4	6.63e-03	0.20	-0.06	-1.42e-04	0.0	-3.24e-05
19	44	4.51e-03	-0.39	-0.05	2.33e-04	0.0	-3.36e-05
19	52	6.75e-03	-0.02	-0.06	-2.79e-06	0.0	-3.45e-05
19	68	4.58e-03	0.13	-0.04	-9.45e-05	0.0	-2.28e-05
19	88	3.18e-03	-0.26	-0.04	1.55e-04	0.0	-2.36e-05
19	92	4.67e-03	-0.02	-0.04	-2.04e-06	0.0	-2.42e-05
19	98	3.84e-03	-0.01	-0.04	-1.83e-06	0.0	-2.01e-05
19	105	3.45e-03	-0.06	-0.03	2.96e-05	0.0	-1.96e-05
19	107	3.60e-03	-0.01	-0.03	-1.79e-06	0.0	-1.92e-05

19	112	2.15	1.47	-0.03	-9.31e-04	0.0	-1.96e-04
19	134	0.14	1.81	-0.05	-1.14e-03	0.0	-3.30e-05
19	139	-1.21	-2.36	-0.02	1.46e-03	0.0	9.09e-05
19	144	2.43	1.66	-0.03	-1.05e-03	0.0	-2.19e-04
19	166	0.15	2.04	-0.05	-1.28e-03	0.0	-3.49e-05
19	171	-1.36	-2.65	-0.02	1.65e-03	0.0	1.05e-04
19	176	2.43	1.65	-0.03	-1.04e-03	0.0	-2.18e-04
19	198	0.16	2.02	-0.05	-1.27e-03	0.0	-3.54e-05
19	203	-1.38	-2.64	-0.02	1.64e-03	0.0	1.07e-04
19	208	2.85	1.93	-0.03	-1.22e-03	0.0	-2.52e-04
19	230	0.18	2.36	-0.05	-1.48e-03	0.0	-3.92e-05
19	235	-1.64	-3.09	-0.02	1.92e-03	0.0	1.31e-04
20	4	0.01	0.27	-0.08	-1.55e-04	0.0	-3.01e-05
20	44	0.01	-0.51	-0.07	2.21e-04	0.0	-3.35e-05
20	52	0.01	-0.02	-0.08	-1.60e-05	0.0	-3.29e-05
20	68	0.01	0.18	-0.06	-1.04e-04	0.0	-2.12e-05
20	88	7.57e-03	-0.34	-0.05	1.47e-04	0.0	-2.35e-05
20	92	0.01	-0.01	-0.06	-1.14e-05	0.0	-2.31e-05
20	98	8.26e-03	-9.73e-03	-0.05	-9.58e-06	0.0	-1.92e-05
20	105	7.55e-03	-0.08	-0.05	2.22e-05	0.0	-1.89e-05
20	107	7.76e-03	-9.15e-03	-0.05	-9.18e-06	0.0	-1.83e-05
20	112	2.87	1.96	-0.05	-9.25e-04	0.0	-2.50e-04
20	134	0.18	2.41	-0.06	-1.13e-03	0.0	-3.42e-05
20	139	-1.60	-3.12	-0.03	1.43e-03	0.0	1.24e-04
20	144	3.23	2.21	-0.05	-1.04e-03	0.0	-2.79e-04
20	166	0.21	2.71	-0.07	-1.27e-03	0.0	-3.65e-05
20	171	-1.81	-3.51	-0.03	1.61e-03	0.0	1.43e-04
20	176	3.23	2.19	-0.05	-1.03e-03	0.0	-2.78e-04
20	198	0.21	2.69	-0.07	-1.26e-03	0.0	-3.71e-05
20	203	-1.83	-3.49	-0.03	1.61e-03	0.0	1.45e-04
20	208	3.80	2.57	-0.05	-1.21e-03	0.0	-3.24e-04
20	230	0.25	3.13	-0.07	-1.46e-03	0.0	-4.16e-05
20	235	-2.18	-4.09	-0.03	1.88e-03	0.0	1.77e-04
21	4	-1.37e-03	0.07	-0.02	-1.33e-04	0.0	-1.03e-05
21	28	-1.49e-03	-0.08	-0.01	1.46e-04	0.0	-1.17e-05
21	44	-1.46e-03	-0.13	-0.01	2.39e-04	0.0	-1.07e-05
21	68	-9.48e-04	0.05	-0.01	-8.82e-05	0.0	-7.27e-06
21	80	-1.03e-03	-0.05	-0.01	9.77e-05	0.0	-8.16e-06
21	88	-1.01e-03	-0.08	-9.53e-03	1.60e-04	0.0	-7.54e-06
21	98	-6.94e-04	-2.27e-03	-9.42e-03	3.05e-06	0.0	-6.42e-06
21	105	-7.03e-04	-0.02	-9.04e-03	3.41e-05	0.0	-6.26e-06
21	107	-6.60e-04	-2.13e-03	-9.11e-03	2.85e-06	0.0	-6.11e-06
21	115	-0.70	-0.53	-9.80e-03	1.01e-03	0.0	5.31e-05
21	134	0.04	0.61	-0.01	-1.15e-03	0.0	-1.11e-05
21	139	-0.40	-0.80	-6.72e-03	1.52e-03	0.0	3.09e-05
21	147	-0.79	-0.60	-9.89e-03	1.14e-03	0.0	6.06e-05
21	166	0.05	0.68	-0.01	-1.30e-03	0.0	-1.17e-05
21	171	-0.45	-0.91	-6.42e-03	1.72e-03	0.0	3.57e-05
21	179	-0.79	-0.60	-9.84e-03	1.13e-03	0.0	6.03e-05
21	198	0.05	0.68	-0.01	-1.28e-03	0.0	-1.19e-05
21	203	-0.45	-0.90	-6.45e-03	1.71e-03	0.0	3.62e-05
21	211	-0.93	-0.70	-9.95e-03	1.32e-03	0.0	7.18e-05
21	230	0.06	0.79	-0.01	-1.50e-03	0.0	-1.32e-05
21	235	-0.54	-1.06	-6.02e-03	2.00e-03	0.0	4.44e-05
22	1	0.0	0.0	0.0	-1.35e-04	0.0	0.0
22	65	0.0	0.0	0.0	-8.98e-05	0.0	0.0
22	97	0.0	0.0	0.0	2.24e-06	0.0	0.0
22	106	0.0	0.0	0.0	2.24e-06	0.0	0.0
22	108	0.0	0.0	0.0	-9.74e-04	0.0	-4.39e-06
22	140	0.0	0.0	0.0	-1.10e-03	0.0	-4.85e-06
22	172	0.0	0.0	0.0	-1.08e-03	0.0	-4.83e-06
22	204	0.0	0.0	0.0	-1.27e-03	0.0	-5.54e-06
23	4	1.05e-03	0.14	-0.03	-1.37e-04	0.0	-1.79e-05
23	44	2.19e-04	-0.25	-0.03	2.36e-04	0.0	-1.91e-05
23	51	1.25e-03	-6.16e-03	-0.03	1.42e-06	0.0	-1.83e-05
23	68	7.31e-04	0.09	-0.02	-9.11e-05	0.0	-1.26e-05
23	88	1.74e-04	-0.17	-0.02	1.57e-04	0.0	-1.34e-05
23	91	8.64e-04	-4.26e-03	-0.02	0.0	0.0	-1.29e-05
23	98	7.10e-04	-3.58e-03	-0.02	0.0	0.0	-1.13e-05
23	105	5.63e-04	-0.04	-0.02	3.19e-05	0.0	-1.10e-05
23	107	6.59e-04	-3.36e-03	-0.02	0.0	0.0	-1.07e-05
23	112	1.42	1.05	-0.02	-9.97e-04	0.0	-1.30e-04
23	134	0.09	1.21	-0.02	-1.14e-03	0.0	-2.01e-05
23	139	-0.80	-1.60	-0.01	1.51e-03	0.0	6.34e-05
23	144	1.60	1.19	-0.02	-1.12e-03	0.0	-1.45e-04

23	166	0.10	1.36	-0.02	-1.28e-03	0.0	-2.14e-05
23	171	-0.90	-1.80	-0.01	1.70e-03	0.0	7.30e-05
23	176	1.60	1.18	-0.02	-1.12e-03	0.0	-1.45e-04
23	198	0.10	1.35	-0.02	-1.27e-03	0.0	-2.17e-05
23	203	-0.91	-1.80	-0.01	1.69e-03	0.0	7.41e-05
23	208	1.88	1.38	-0.02	-1.31e-03	0.0	-1.68e-04
23	230	0.12	1.57	-0.03	-1.48e-03	0.0	-2.43e-05
23	235	-1.09	-2.10	-0.01	1.98e-03	0.0	9.06e-05
24	4	7.24e-03	0.21	-0.05	-1.42e-04	0.0	-2.11e-05
24	44	5.00e-03	-0.37	-0.04	2.31e-04	0.0	-2.37e-05
24	52	7.35e-03	-5.99e-03	-0.04	-4.25e-06	0.0	-2.32e-05
24	68	5.02e-03	0.14	-0.03	-9.50e-05	0.0	-1.49e-05
24	88	3.52e-03	-0.25	-0.03	1.53e-04	0.0	-1.66e-05
24	92	5.09e-03	-4.08e-03	-0.03	-3.07e-06	0.0	-1.63e-05
24	98	4.19e-03	-3.21e-03	-0.03	-2.67e-06	0.0	-1.35e-05
24	105	3.78e-03	-0.05	-0.03	2.87e-05	0.0	-1.33e-05
24	107	3.93e-03	-2.98e-03	-0.03	-2.59e-06	0.0	-1.29e-05
24	112	2.15	1.58	-0.02	-9.87e-04	0.0	-1.89e-04
24	134	0.14	1.80	-0.04	-1.13e-03	0.0	-2.56e-05
24	139	-1.21	-2.39	-0.02	1.48e-03	0.0	9.57e-05
24	144	2.43	1.78	-0.02	-1.11e-03	0.0	-2.11e-04
24	166	0.15	2.03	-0.04	-1.27e-03	0.0	-2.74e-05
24	171	-1.36	-2.69	-0.02	1.67e-03	0.0	1.10e-04
24	176	2.43	1.76	-0.02	-1.10e-03	0.0	-2.11e-04
24	198	0.16	2.01	-0.04	-1.26e-03	0.0	-2.79e-05
24	203	-1.38	-2.68	-0.02	1.66e-03	0.0	1.11e-04
24	208	2.86	2.06	-0.02	-1.29e-03	0.0	-2.45e-04
24	230	0.18	2.35	-0.04	-1.46e-03	0.0	-3.14e-05
24	235	-1.64	-3.14	-0.02	1.95e-03	0.0	1.36e-04
25	4	0.02	0.29	-0.06	-1.48e-04	0.0	-1.86e-05
25	44	0.01	-0.49	-0.05	2.25e-04	0.0	-2.32e-05
25	52	0.02	-2.05e-03	-0.06	-1.02e-05	0.0	-2.13e-05
25	68	0.01	0.19	-0.04	-9.92e-05	0.0	-1.32e-05
25	88	7.98e-03	-0.33	-0.04	1.50e-04	0.0	-1.62e-05
25	92	0.01	-1.27e-03	-0.04	-7.25e-06	0.0	-1.50e-05
25	98	8.70e-03	-8.12e-04	-0.04	-6.14e-06	0.0	-1.24e-05
25	105	7.96e-03	-0.07	-0.04	2.54e-05	0.0	-1.25e-05
25	107	8.18e-03	-6.66e-04	-0.04	-5.90e-06	0.0	-1.18e-05
25	112	2.87	2.09	-0.03	-9.75e-04	0.0	-2.43e-04
25	134	0.18	2.39	-0.05	-1.11e-03	0.0	-2.71e-05
25	139	-1.60	-3.16	-0.03	1.45e-03	0.0	1.30e-04
25	144	3.23	2.36	-0.03	-1.10e-03	0.0	-2.72e-04
25	166	0.21	2.69	-0.05	-1.25e-03	0.0	-2.93e-05
25	171	-1.81	-3.56	-0.03	1.64e-03	0.0	1.48e-04
25	176	3.23	2.34	-0.03	-1.09e-03	0.0	-2.71e-04
25	198	0.21	2.67	-0.05	-1.24e-03	0.0	-3.00e-05
25	203	-1.83	-3.54	-0.03	1.63e-03	0.0	1.50e-04
25	208	3.80	2.74	-0.03	-1.28e-03	0.0	-3.17e-04
25	230	0.25	3.11	-0.05	-1.44e-03	0.0	-3.44e-05
25	235	-2.18	-4.15	-0.02	1.91e-03	0.0	1.82e-04
26	4	-1.02e-03	0.07	-0.01	-1.39e-04	0.0	-6.04e-06
26	44	-1.17e-03	-0.12	-0.01	2.31e-04	0.0	-7.08e-06
26	47	-8.85e-04	-0.12	-7.94e-03	2.32e-04	0.0	-5.61e-06
26	68	-6.99e-04	0.05	-8.91e-03	-9.30e-05	0.0	-4.27e-06
26	87	-7.16e-04	-0.08	-7.52e-03	1.54e-04	0.0	-4.73e-06
26	88	-8.04e-04	-0.08	-7.85e-03	1.54e-04	0.0	-4.96e-06
26	98	-4.91e-04	5.27e-04	-7.79e-03	-1.34e-06	0.0	-3.94e-06
26	102	-3.34e-04	0.02	-6.35e-03	-3.18e-05	0.0	-2.46e-06
26	105	-5.12e-04	-0.02	-7.52e-03	2.98e-05	0.0	-3.91e-06
26	106	-3.18e-04	5.35e-04	-6.30e-03	-1.24e-06	0.0	-2.62e-06
26	107	-4.67e-04	5.28e-04	-7.58e-03	-1.33e-06	0.0	-3.75e-06
26	114	-0.56	-0.14	-0.01	2.60e-04	0.0	4.29e-05
26	115	-0.70	-0.56	-9.44e-03	1.07e-03	0.0	5.51e-05
26	136	0.40	0.82	-9.31e-03	-1.55e-03	0.0	-4.02e-05
26	146	-0.63	-0.15	-0.01	2.93e-04	0.0	4.88e-05
26	147	-0.79	-0.63	-9.67e-03	1.20e-03	0.0	6.26e-05
26	168	0.45	0.92	-9.53e-03	-1.74e-03	0.0	-4.50e-05
26	178	-0.63	-0.15	-0.01	2.92e-04	0.0	4.84e-05
26	179	-0.79	-0.63	-9.63e-03	1.19e-03	0.0	6.23e-05
26	200	0.45	0.92	-9.49e-03	-1.74e-03	0.0	-4.55e-05
26	210	-0.75	-0.18	-0.01	3.45e-04	0.0	5.74e-05
26	211	-0.93	-0.74	-9.97e-03	1.40e-03	0.0	7.38e-05
26	232	0.54	1.07	-9.79e-03	-2.04e-03	0.0	-5.36e-05
27	1	0.0	0.0	0.0	-1.39e-04	0.0	0.0
27	65	0.0	0.0	0.0	-9.26e-05	0.0	0.0

27	97	0.0	0.0	0.0	-1.08e-06	0.0	0.0
27	106	0.0	0.0	0.0	-1.08e-06	0.0	0.0
27	108	0.0	0.0	0.0	-1.04e-03	0.0	-3.38e-06
27	140	0.0	0.0	0.0	-1.17e-03	0.0	-3.75e-06
27	172	0.0	0.0	0.0	-1.15e-03	0.0	-3.73e-06
27	204	0.0	0.0	0.0	-1.35e-03	0.0	-4.28e-06
28	4	1.50e-03	0.15	-0.02	-1.40e-04	0.0	-1.03e-05
28	45	-2.56e-04	-0.24	-0.01	2.32e-04	0.0	-6.55e-06
28	51	1.67e-03	1.82e-03	-0.02	-2.93e-06	0.0	-1.11e-05
28	68	1.05e-03	0.10	-0.02	-9.38e-05	0.0	-7.27e-06
28	85	2.78e-05	-0.16	-0.01	1.54e-04	0.0	-6.06e-06
28	91	1.16e-03	1.36e-03	-0.02	-2.14e-06	0.0	-7.79e-06
28	98	9.66e-04	1.33e-03	-0.02	-2.00e-06	0.0	-6.81e-06
28	103	8.79e-04	0.03	-0.01	-3.25e-05	0.0	-6.18e-06
28	107	9.02e-04	1.32e-03	-0.01	-1.95e-06	0.0	-6.49e-06
28	112	1.42	1.12	-0.01	-1.06e-03	0.0	-1.25e-04
28	114	-1.14	-0.27	-0.02	2.58e-04	0.0	8.79e-05
28	136	0.80	1.63	-0.02	-1.53e-03	0.0	-7.98e-05
28	144	1.60	1.26	-0.01	-1.19e-03	0.0	-1.40e-04
28	146	-1.28	-0.31	-0.02	2.92e-04	0.0	9.98e-05
28	168	0.90	1.83	-0.02	-1.72e-03	0.0	-8.93e-05
28	176	1.60	1.26	-0.01	-1.18e-03	0.0	-1.40e-04
28	178	-1.28	-0.31	-0.02	2.91e-04	0.0	9.91e-05
28	200	0.92	1.83	-0.02	-1.72e-03	0.0	-9.04e-05
28	208	1.88	1.47	-0.01	-1.39e-03	0.0	-1.63e-04
28	210	-1.51	-0.36	-0.02	3.43e-04	0.0	1.17e-04
28	232	1.09	2.14	-0.02	-2.01e-03	0.0	-1.07e-04
29	4	7.85e-03	0.22	-0.04	-1.42e-04	0.0	-1.16e-05
29	45	1.19e-03	-0.37	-0.02	2.31e-04	0.0	-8.38e-06
29	52	7.93e-03	3.96e-03	-0.04	-4.60e-06	0.0	-1.37e-05
29	68	5.44e-03	0.15	-0.03	-9.48e-05	0.0	-8.23e-06
29	75	4.59e-03	0.24	-0.02	-1.56e-04	0.0	-6.16e-06
29	92	5.50e-03	2.90e-03	-0.03	-3.30e-06	0.0	-9.60e-06
29	98	4.54e-03	2.59e-03	-0.02	-2.86e-06	0.0	-7.98e-06
29	103	4.25e-03	0.05	-0.02	-3.33e-05	0.0	-7.13e-06
29	107	4.26e-03	2.55e-03	-0.02	-2.77e-06	0.0	-7.59e-06
29	112	2.16	1.68	-0.02	-1.04e-03	0.0	-1.83e-04
29	114	-1.72	-0.41	-0.03	2.56e-04	0.0	1.32e-04
29	136	1.21	2.42	-0.03	-1.51e-03	0.0	-1.15e-04
29	144	2.43	1.89	-0.02	-1.18e-03	0.0	-2.06e-04
29	146	-1.94	-0.46	-0.03	2.89e-04	0.0	1.50e-04
29	168	1.37	2.73	-0.03	-1.70e-03	0.0	-1.29e-04
29	176	2.43	1.87	-0.02	-1.17e-03	0.0	-2.05e-04
29	178	-1.94	-0.46	-0.03	2.88e-04	0.0	1.49e-04
29	200	1.39	2.72	-0.03	-1.69e-03	0.0	-1.31e-04
29	208	2.86	2.19	-0.01	-1.37e-03	0.0	-2.39e-04
29	210	-2.28	-0.54	-0.03	3.40e-04	0.0	1.76e-04
29	232	1.65	3.19	-0.03	-1.98e-03	0.0	-1.55e-04
30	4	0.02	0.30	-0.05	-1.43e-04	0.0	-9.29e-06
30	18	0.01	0.49	-0.05	-2.34e-04	0.0	-5.95e-06
30	52	0.02	6.82e-03	-0.05	-5.96e-06	0.0	-1.20e-05
30	68	0.01	0.20	-0.04	-9.58e-05	0.0	-6.62e-06
30	75	9.73e-03	0.32	-0.03	-1.56e-04	0.0	-4.39e-06
30	92	0.01	4.95e-03	-0.03	-4.26e-06	0.0	-8.43e-06
30	98	9.33e-03	4.35e-03	-0.03	-3.65e-06	0.0	-7.00e-06
30	103	8.77e-03	0.07	-0.03	-3.40e-05	0.0	-6.05e-06
30	107	8.78e-03	4.25e-03	-0.03	-3.52e-06	0.0	-6.66e-06
30	112	2.87	2.22	-0.02	-1.03e-03	0.0	-2.37e-04
30	114	-2.28	-0.54	-0.04	2.52e-04	0.0	1.78e-04
30	136	1.62	3.21	-0.04	-1.48e-03	0.0	-1.48e-04
30	144	3.24	2.50	-0.02	-1.16e-03	0.0	-2.67e-04
30	146	-2.58	-0.61	-0.04	2.85e-04	0.0	2.01e-04
30	168	1.83	3.61	-0.04	-1.67e-03	0.0	-1.66e-04
30	176	3.24	2.48	-0.02	-1.15e-03	0.0	-2.66e-04
30	178	-2.57	-0.61	-0.04	2.84e-04	0.0	2.00e-04
30	200	1.85	3.60	-0.04	-1.66e-03	0.0	-1.68e-04
30	208	3.80	2.91	-0.02	-1.34e-03	0.0	-3.11e-04
30	210	-3.03	-0.72	-0.05	3.36e-04	0.0	2.35e-04
30	232	2.20	4.22	-0.04	-1.95e-03	0.0	-2.00e-04
31	4	-6.97e-04	0.08	-0.01	-1.43e-04	0.0	-2.99e-06
31	18	-6.66e-04	0.12	-9.99e-03	-2.33e-04	0.0	-2.05e-06
31	44	-9.12e-04	-0.12	-9.29e-03	2.27e-04	0.0	-4.39e-06
31	68	-4.76e-04	0.05	-7.71e-03	-9.53e-05	0.0	-2.12e-06
31	75	-4.55e-04	0.08	-7.32e-03	-1.56e-04	0.0	-1.50e-06
31	88	-6.19e-04	-0.08	-6.86e-03	1.51e-04	0.0	-3.06e-06

31	98	-3.09e-04	2.06e-03	-6.85e-03	-3.70e-06	0.0	-2.15e-06
31	103	-3.07e-04	0.02	-6.74e-03	-3.39e-05	0.0	-1.89e-06
31	105	-3.40e-04	-0.01	-6.65e-03	2.74e-05	0.0	-2.20e-06
31	107	-2.93e-04	1.99e-03	-6.69e-03	-3.57e-06	0.0	-2.05e-06
31	114	-0.56	-0.16	-0.01	3.13e-04	0.0	4.47e-05
31	115	-0.70	-0.59	-9.99e-03	1.12e-03	0.0	5.69e-05
31	136	0.39	0.83	-8.41e-03	-1.57e-03	0.0	-3.85e-05
31	146	-0.63	-0.19	-0.01	3.54e-04	0.0	5.06e-05
31	147	-0.79	-0.67	-0.01	1.27e-03	0.0	6.43e-05
31	168	0.45	0.94	-8.62e-03	-1.77e-03	0.0	-4.32e-05
31	178	-0.63	-0.19	-0.01	3.52e-04	0.0	5.02e-05
31	179	-0.79	-0.66	-0.01	1.26e-03	0.0	6.40e-05
31	200	0.45	0.93	-8.59e-03	-1.77e-03	0.0	-4.37e-05
31	210	-0.75	-0.22	-0.01	4.16e-04	0.0	5.91e-05
31	211	-0.93	-0.78	-0.01	1.47e-03	0.0	7.55e-05
31	232	0.54	1.10	-8.86e-03	-2.07e-03	0.0	-5.18e-05
32	1	0.0	0.0	0.0	-1.40e-04	0.0	0.0
32	65	0.0	0.0	0.0	-9.39e-05	0.0	0.0
32	97	0.0	0.0	0.0	-2.90e-06	0.0	0.0
32	106	0.0	0.0	0.0	-2.90e-06	0.0	0.0
32	108	0.0	0.0	0.0	-1.10e-03	0.0	-3.18e-06
32	140	0.0	0.0	0.0	-1.23e-03	0.0	-3.55e-06
32	172	0.0	0.0	0.0	-1.22e-03	0.0	-3.52e-06
32	204	0.0	0.0	0.0	-1.42e-03	0.0	-4.08e-06
33	4	1.91e-03	0.15	-0.02	-1.42e-04	0.0	-4.88e-06
33	18	1.51e-03	0.24	-0.02	-2.32e-04	0.0	-3.17e-06
33	51	2.04e-03	6.13e-03	-0.02	-5.06e-06	0.0	-5.93e-06
33	68	1.33e-03	0.10	-0.01	-9.49e-05	0.0	-3.47e-06
33	75	1.06e-03	0.16	-0.01	-1.55e-04	0.0	-2.33e-06
33	91	1.42e-03	4.40e-03	-0.01	-3.64e-06	0.0	-4.17e-06
33	98	1.20e-03	3.98e-03	-0.01	-3.31e-06	0.0	-3.65e-06
33	103	1.10e-03	0.04	-0.01	-3.35e-05	0.0	-3.16e-06
33	107	1.12e-03	3.84e-03	-0.01	-3.20e-06	0.0	-3.47e-06
33	112	1.42	1.19	-6.08e-03	-1.12e-03	0.0	-1.22e-04
33	114	-1.14	-0.33	-0.02	3.12e-04	0.0	9.10e-05
33	136	0.80	1.66	-0.02	-1.56e-03	0.0	-7.67e-05
33	144	1.60	1.34	-5.21e-03	-1.26e-03	0.0	-1.37e-04
33	146	-1.28	-0.37	-0.02	3.52e-04	0.0	1.03e-04
33	168	0.90	1.86	-0.02	-1.75e-03	0.0	-8.62e-05
33	176	1.60	1.33	-5.35e-03	-1.25e-03	0.0	-1.37e-04
33	178	-1.28	-0.37	-0.02	3.51e-04	0.0	1.02e-04
33	200	0.92	1.86	-0.02	-1.75e-03	0.0	-8.73e-05
33	208	1.88	1.56	-4.09e-03	-1.47e-03	0.0	-1.60e-04
33	210	-1.50	-0.44	-0.03	4.14e-04	0.0	1.20e-04
33	232	1.09	2.18	-0.02	-2.05e-03	0.0	-1.04e-04
34	4	8.40e-03	0.22	-0.03	-1.41e-04	0.0	-4.99e-06
34	18	7.07e-03	0.37	-0.03	-2.32e-04	0.0	-2.72e-06
34	52	8.47e-03	9.14e-03	-0.03	-4.36e-06	0.0	-7.04e-06
34	68	5.83e-03	0.15	-0.02	-9.41e-05	0.0	-3.57e-06
34	75	4.94e-03	0.24	-0.02	-1.55e-04	0.0	-2.06e-06
34	92	5.87e-03	6.54e-03	-0.02	-3.13e-06	0.0	-4.94e-06
34	98	4.85e-03	5.62e-03	-0.02	-2.71e-06	0.0	-4.10e-06
34	103	4.55e-03	0.05	-0.02	-3.30e-05	0.0	-3.45e-06
34	107	4.56e-03	5.42e-03	-0.02	-2.63e-06	0.0	-3.90e-06
34	112	2.16	1.77	-8.65e-03	-1.10e-03	0.0	-1.80e-04
34	114	-1.72	-0.49	-0.03	3.10e-04	0.0	1.36e-04
34	136	1.21	2.47	-0.02	-1.53e-03	0.0	-1.12e-04
34	144	2.43	2.00	-7.32e-03	-1.24e-03	0.0	-2.02e-04
34	146	-1.94	-0.56	-0.04	3.50e-04	0.0	1.54e-04
34	168	1.37	2.78	-0.02	-1.72e-03	0.0	-1.26e-04
34	176	2.43	1.98	-7.52e-03	-1.23e-03	0.0	-2.01e-04
34	178	-1.94	-0.55	-0.04	3.48e-04	0.0	1.53e-04
34	200	1.39	2.77	-0.02	-1.72e-03	0.0	-1.27e-04
34	208	2.86	2.32	-5.59e-03	-1.44e-03	0.0	-2.35e-04
34	210	-2.28	-0.65	-0.04	4.11e-04	0.0	1.80e-04
34	232	1.65	3.25	-0.03	-2.01e-03	0.0	-1.52e-04
35	4	0.02	0.30	-0.04	-1.40e-04	0.0	-2.96e-06
35	18	0.02	0.49	-0.04	-2.30e-04	0.0	0.0
35	68	0.01	0.20	-0.03	-9.33e-05	0.0	-2.17e-06
35	75	0.01	0.33	-0.03	-1.54e-04	0.0	0.0
35	98	0.01	6.86e-03	-0.03	-1.98e-06	0.0	-3.31e-06
35	103	9.60e-03	0.07	-0.03	-3.23e-05	0.0	-2.54e-06
35	107	9.59e-03	6.63e-03	-0.03	-1.93e-06	0.0	-3.15e-06
35	112	2.88	2.34	-0.01	-1.08e-03	0.0	-2.34e-04
35	114	-2.29	-0.65	-0.05	3.07e-04	0.0	1.81e-04

35	136	1.62	3.26	-0.03	-1.50e-03	0.0	-1.44e-04
35	144	3.25	2.64	-9.74e-03	-1.22e-03	0.0	-2.63e-04
35	146	-2.58	-0.74	-0.05	3.46e-04	0.0	2.05e-04
35	168	1.83	3.67	-0.03	-1.68e-03	0.0	-1.62e-04
35	176	3.25	2.62	-0.01	-1.21e-03	0.0	-2.62e-04
35	178	-2.58	-0.74	-0.05	3.45e-04	0.0	2.03e-04
35	200	1.86	3.66	-0.03	-1.68e-03	0.0	-1.65e-04
35	208	3.82	3.07	-7.35e-03	-1.41e-03	0.0	-3.08e-04
35	210	-3.04	-0.87	-0.05	4.07e-04	0.0	2.39e-04
35	232	2.21	4.30	-0.03	-1.97e-03	0.0	-1.96e-04
36	4	-4.37e-04	0.08	-9.80e-03	-1.44e-04	0.0	-1.22e-06
36	18	-4.32e-04	0.12	-9.35e-03	-2.33e-04	0.0	0.0
36	44	-7.00e-04	-0.12	-8.63e-03	2.24e-04	0.0	-2.80e-06
36	68	-2.93e-04	0.05	-7.19e-03	-9.62e-05	0.0	0.0
36	75	-2.90e-04	0.08	-6.88e-03	-1.56e-04	0.0	0.0
36	88	-4.68e-04	-0.08	-6.41e-03	1.49e-04	0.0	-1.93e-06
36	98	-1.60e-04	2.81e-03	-6.45e-03	-4.80e-06	0.0	-1.11e-06
36	103	-1.63e-04	0.02	-6.36e-03	-3.48e-05	0.0	0.0
36	105	-1.98e-04	-0.01	-6.26e-03	2.62e-05	0.0	-1.21e-06
36	107	-1.50e-04	2.70e-03	-6.31e-03	-4.62e-06	0.0	-1.05e-06
36	114	-0.56	-0.19	-0.02	3.68e-04	0.0	4.57e-05
36	115	-0.70	-0.62	-0.01	1.18e-03	0.0	5.80e-05
36	136	0.39	0.85	-8.93e-03	-1.60e-03	0.0	-3.76e-05
36	146	-0.63	-0.22	-0.02	4.15e-04	0.0	5.17e-05
36	147	-0.79	-0.70	-0.02	1.33e-03	0.0	6.55e-05
36	168	0.45	0.95	-9.25e-03	-1.80e-03	0.0	-4.23e-05
36	178	-0.63	-0.22	-0.02	4.13e-04	0.0	5.13e-05
36	179	-0.79	-0.70	-0.02	1.32e-03	0.0	6.52e-05
36	200	0.45	0.95	-9.16e-03	-1.80e-03	0.0	-4.29e-05
36	210	-0.74	-0.26	-0.02	4.87e-04	0.0	6.02e-05
36	211	-0.93	-0.82	-0.02	1.55e-03	0.0	7.67e-05
36	232	0.54	1.12	-9.54e-03	-2.11e-03	0.0	-5.10e-05
37	1	0.0	0.0	0.0	-1.41e-04	0.0	0.0
37	65	0.0	0.0	0.0	-9.43e-05	0.0	0.0
37	97	0.0	0.0	0.0	-3.76e-06	0.0	0.0
37	106	0.0	0.0	0.0	-3.76e-06	0.0	0.0
37	108	0.0	0.0	0.0	-1.16e-03	0.0	-3.07e-06
37	140	0.0	0.0	0.0	-1.30e-03	0.0	-3.44e-06
37	172	0.0	0.0	0.0	-1.29e-03	0.0	-3.41e-06
37	204	0.0	0.0	0.0	-1.50e-03	0.0	-3.97e-06
38	4	2.23e-03	0.15	-0.02	-1.42e-04	0.0	-1.77e-06
38	18	1.80e-03	0.25	-0.02	-2.32e-04	0.0	0.0
38	51	2.34e-03	8.16e-03	-0.02	-5.89e-06	0.0	-2.96e-06
38	68	1.56e-03	0.10	-0.01	-9.50e-05	0.0	-1.29e-06
38	75	1.27e-03	0.16	-0.01	-1.55e-04	0.0	0.0
38	91	1.63e-03	5.83e-03	-0.01	-4.22e-06	0.0	-2.08e-06
38	98	1.38e-03	5.23e-03	-0.01	-3.82e-06	0.0	-1.82e-06
38	103	1.28e-03	0.04	-0.01	-3.39e-05	0.0	-1.43e-06
38	107	1.30e-03	5.03e-03	-0.01	-3.68e-06	0.0	-1.73e-06
38	112	1.42	1.25	3.51e-03	-1.18e-03	0.0	-1.21e-04
38	114	-1.14	-0.39	-0.03	3.66e-04	0.0	9.30e-05
38	136	0.80	1.68	-0.02	-1.58e-03	0.0	-7.54e-05
38	144	1.60	1.41	5.50e-03	-1.33e-03	0.0	-1.36e-04
38	146	-1.28	-0.44	-0.04	4.13e-04	0.0	1.05e-04
38	168	0.90	1.90	-0.02	-1.78e-03	0.0	-8.50e-05
38	176	1.60	1.40	5.28e-03	-1.32e-03	0.0	-1.36e-04
38	178	-1.28	-0.43	-0.04	4.11e-04	0.0	1.04e-04
38	200	0.92	1.89	-0.02	-1.78e-03	0.0	-8.61e-05
38	208	1.88	1.64	8.24e-03	-1.54e-03	0.0	-1.59e-04
38	210	-1.50	-0.51	-0.04	4.85e-04	0.0	1.22e-04
38	232	1.09	2.22	-0.02	-2.09e-03	0.0	-1.03e-04
39	4	8.87e-03	0.23	-0.03	-1.40e-04	0.0	-1.23e-06
39	18	7.49e-03	0.37	-0.03	-2.30e-04	0.0	0.0
39	52	8.91e-03	0.01	-0.03	-3.86e-06	0.0	-3.27e-06
39	68	6.16e-03	0.15	-0.02	-9.33e-05	0.0	0.0
39	75	5.24e-03	0.24	-0.02	-1.53e-04	0.0	0.0
39	92	6.19e-03	8.14e-03	-0.02	-2.78e-06	0.0	-2.29e-06
39	98	5.11e-03	6.94e-03	-0.02	-2.42e-06	0.0	-1.90e-06
39	103	4.81e-03	0.05	-0.02	-3.25e-05	0.0	-1.35e-06
39	107	4.82e-03	6.69e-03	-0.02	-2.35e-06	0.0	-1.81e-06
39	112	2.15	1.87	4.07e-03	-1.16e-03	0.0	-1.78e-04
39	114	-1.72	-0.58	-0.05	3.64e-04	0.0	1.39e-04
39	136	1.21	2.51	-0.03	-1.55e-03	0.0	-1.10e-04
39	144	2.43	2.10	6.86e-03	-1.30e-03	0.0	-2.01e-04
39	146	-1.94	-0.65	-0.05	4.11e-04	0.0	1.56e-04

39	168	1.37	2.82	-0.03	-1.74e-03	0.0	-1.25e-04
39	176	2.43	2.09	6.52e-03	-1.29e-03	0.0	-2.00e-04
39	178	-1.93	-0.65	-0.05	4.09e-04	0.0	1.55e-04
39	200	1.39	2.82	-0.03	-1.74e-03	0.0	-1.26e-04
39	208	2.85	2.45	0.01	-1.52e-03	0.0	-2.34e-04
39	210	-2.28	-0.77	-0.06	4.82e-04	0.0	1.82e-04
39	232	1.65	3.31	-0.03	-2.04e-03	0.0	-1.50e-04
40	4	0.02	0.30	-0.04	-1.37e-04	0.0	0.0
40	18	0.02	0.49	-0.04	-2.28e-04	0.0	2.71e-06
40	68	0.01	0.20	-0.03	-9.15e-05	0.0	0.0
40	75	0.01	0.33	-0.03	-1.52e-04	0.0	1.73e-06
40	98	0.01	7.80e-03	-0.02	0.0	0.0	-1.26e-06
40	103	0.01	0.07	-0.02	-3.11e-05	0.0	0.0
40	107	0.01	7.52e-03	-0.02	0.0	0.0	-1.20e-06
40	112	2.90	2.47	3.25e-03	-1.13e-03	0.0	-2.33e-04
40	114	-2.30	-0.77	-0.06	3.61e-04	0.0	1.84e-04
40	136	1.63	3.31	-0.03	-1.51e-03	0.0	-1.43e-04
40	144	3.26	2.78	6.74e-03	-1.27e-03	0.0	-2.62e-04
40	146	-2.60	-0.87	-0.07	4.07e-04	0.0	2.07e-04
40	168	1.84	3.73	-0.04	-1.70e-03	0.0	-1.61e-04
40	176	3.26	2.76	6.28e-03	-1.27e-03	0.0	-2.61e-04
40	178	-2.59	-0.86	-0.07	4.05e-04	0.0	2.06e-04
40	200	1.87	3.72	-0.04	-1.70e-03	0.0	-1.64e-04
40	208	3.84	3.24	0.01	-1.48e-03	0.0	-3.07e-04
40	210	-3.05	-1.02	-0.07	4.77e-04	0.0	2.41e-04
40	232	2.22	4.37	-0.04	-2.00e-03	0.0	-1.95e-04
41	4	-2.56e-04	0.08	-9.98e-03	-1.44e-04	0.0	0.0
41	18	-2.67e-04	0.12	-9.57e-03	-2.33e-04	0.0	0.0
41	44	-5.52e-04	-0.12	-8.69e-03	2.22e-04	0.0	-2.15e-06
41	68	-1.65e-04	0.05	-7.33e-03	-9.63e-05	0.0	0.0
41	75	-1.73e-04	0.08	-7.05e-03	-1.56e-04	0.0	0.0
41	88	-3.62e-04	-0.08	-6.47e-03	1.47e-04	0.0	-1.47e-06
41	98	-5.40e-05	3.19e-03	-6.56e-03	-5.31e-06	0.0	0.0
41	103	-6.03e-05	0.02	-6.49e-03	-3.51e-05	0.0	0.0
41	105	-9.83e-05	-0.01	-6.37e-03	2.55e-05	0.0	0.0
41	107	-4.93e-05	3.06e-03	-6.43e-03	-5.11e-06	0.0	0.0
41	114	-0.56	-0.22	-0.02	4.23e-04	0.0	4.62e-05
41	115	-0.70	-0.66	-0.01	1.24e-03	0.0	5.86e-05
41	136	0.39	0.86	-0.01	-1.63e-03	0.0	-3.73e-05
41	146	-0.63	-0.25	-0.02	4.78e-04	0.0	5.22e-05
41	147	-0.79	-0.74	-0.01	1.40e-03	0.0	6.61e-05
41	168	0.44	0.97	-0.01	-1.84e-03	0.0	-4.21e-05
41	178	-0.63	-0.25	-0.02	4.75e-04	0.0	5.18e-05
41	179	-0.79	-0.74	-0.01	1.39e-03	0.0	6.57e-05
41	200	0.45	0.97	-0.01	-1.83e-03	0.0	-4.26e-05
41	210	-0.74	-0.29	-0.02	5.60e-04	0.0	6.07e-05
41	211	-0.93	-0.86	-0.02	1.63e-03	0.0	7.73e-05
41	232	0.54	1.14	-0.01	-2.15e-03	0.0	-5.08e-05
42	1	0.0	0.0	0.0	-1.41e-04	0.0	0.0
42	65	0.0	0.0	0.0	-9.42e-05	0.0	0.0
42	97	0.0	0.0	0.0	-4.19e-06	0.0	0.0
42	106	0.0	0.0	0.0	-4.19e-06	0.0	0.0
42	108	0.0	0.0	0.0	-1.22e-03	0.0	-2.98e-06
42	140	0.0	0.0	0.0	-1.37e-03	0.0	-3.35e-06
42	172	0.0	0.0	0.0	-1.35e-03	0.0	-3.32e-06
42	204	0.0	0.0	0.0	-1.58e-03	0.0	-3.87e-06
43	4	2.47e-03	0.15	-0.02	-1.42e-04	0.0	0.0
43	18	2.02e-03	0.24	-0.02	-2.31e-04	0.0	0.0
43	51	2.56e-03	9.15e-03	-0.02	-6.14e-06	0.0	-1.75e-06
43	68	1.72e-03	0.10	-0.01	-9.47e-05	0.0	0.0
43	75	1.42e-03	0.16	-0.01	-1.54e-04	0.0	0.0
43	91	1.79e-03	6.52e-03	-0.01	-4.40e-06	0.0	-1.23e-06
43	98	1.52e-03	5.83e-03	-0.01	-3.97e-06	0.0	-1.07e-06
43	103	1.41e-03	0.04	-0.01	-3.38e-05	0.0	0.0
43	107	1.43e-03	5.60e-03	-0.01	-3.82e-06	0.0	-1.02e-06
43	112	1.42	1.32	7.98e-03	-1.24e-03	0.0	-1.21e-04
43	114	-1.14	-0.44	-0.04	4.22e-04	0.0	9.38e-05
43	136	0.80	1.71	-0.02	-1.61e-03	0.0	-7.50e-05
43	144	1.60	1.48	0.01	-1.39e-03	0.0	-1.36e-04
43	146	-1.28	-0.50	-0.04	4.76e-04	0.0	1.06e-04
43	168	0.90	1.93	-0.02	-1.81e-03	0.0	-8.47e-05
43	176	1.60	1.48	1.00e-02	-1.39e-03	0.0	-1.35e-04
43	178	-1.28	-0.50	-0.04	4.73e-04	0.0	1.05e-04
43	200	0.92	1.93	-0.02	-1.81e-03	0.0	-8.57e-05
43	208	1.88	1.73	0.01	-1.62e-03	0.0	-1.59e-04

43	210	-1.50	-0.59	-0.05	5.57e-04	0.0	1.23e-04
43	232	1.09	2.26	-0.02	-2.12e-03	0.0	-1.02e-04
44	4	9.33e-03	0.23	-0.03	-1.38e-04	0.0	0.0
44	18	7.91e-03	0.37	-0.03	-2.28e-04	0.0	1.85e-06
44	52	9.36e-03	0.01	-0.03	-3.27e-06	0.0	-1.76e-06
44	68	6.48e-03	0.15	-0.02	-9.24e-05	0.0	0.0
44	75	5.54e-03	0.24	-0.02	-1.52e-04	0.0	1.18e-06
44	92	6.50e-03	8.83e-03	-0.02	-2.37e-06	0.0	-1.23e-06
44	98	5.38e-03	7.51e-03	-0.02	-2.08e-06	0.0	-1.02e-06
44	103	5.06e-03	0.05	-0.02	-3.20e-05	0.0	0.0
44	107	5.07e-03	7.22e-03	-0.02	-2.02e-06	0.0	0.0
44	112	2.15	1.96	0.02	-1.21e-03	0.0	-1.79e-04
44	114	-1.71	-0.66	-0.07	4.19e-04	0.0	1.40e-04
44	136	1.21	2.55	-0.03	-1.57e-03	0.0	-1.11e-04
44	144	2.42	2.21	0.02	-1.37e-03	0.0	-2.01e-04
44	146	-1.93	-0.75	-0.07	4.73e-04	0.0	1.58e-04
44	168	1.37	2.87	-0.03	-1.77e-03	0.0	-1.25e-04
44	176	2.42	2.20	0.02	-1.36e-03	0.0	-2.00e-04
44	178	-1.93	-0.75	-0.07	4.70e-04	0.0	1.57e-04
44	200	1.39	2.87	-0.03	-1.77e-03	0.0	-1.26e-04
44	208	2.85	2.57	0.03	-1.59e-03	0.0	-2.35e-04
44	210	-2.27	-0.88	-0.08	5.53e-04	0.0	1.84e-04
44	232	1.65	3.37	-0.03	-2.08e-03	0.0	-1.51e-04
45	4	0.02	0.30	-0.04	-1.35e-04	0.0	1.96e-06
45	18	0.02	0.48	-0.04	-2.25e-04	0.0	3.89e-06
45	68	0.02	0.20	-0.03	-8.99e-05	0.0	1.28e-06
45	75	0.01	0.32	-0.03	-1.50e-04	0.0	2.57e-06
45	98	0.01	8.03e-03	-0.03	0.0	0.0	0.0
45	103	0.01	0.07	-0.03	-3.01e-05	0.0	0.0
45	107	0.01	7.74e-03	-0.03	0.0	0.0	0.0
45	112	2.92	2.59	0.03	-1.19e-03	0.0	-2.34e-04
45	114	-2.32	-0.88	-0.10	4.15e-04	0.0	1.86e-04
45	136	1.65	3.36	-0.04	-1.53e-03	0.0	-1.44e-04
45	144	3.29	2.92	0.04	-1.34e-03	0.0	-2.64e-04
45	146	-2.61	-1.00	-0.11	4.68e-04	0.0	2.09e-04
45	168	1.86	3.79	-0.04	-1.72e-03	0.0	-1.63e-04
45	176	3.29	2.90	0.04	-1.33e-03	0.0	-2.63e-04
45	178	-2.61	-0.99	-0.11	4.66e-04	0.0	2.08e-04
45	200	1.88	3.79	-0.04	-1.72e-03	0.0	-1.65e-04
45	208	3.87	3.40	0.05	-1.56e-03	0.0	-3.09e-04
45	210	-3.07	-1.17	-0.12	5.48e-04	0.0	2.43e-04
45	232	2.24	4.45	-0.05	-2.03e-03	0.0	-1.97e-04
46	4	-1.65e-04	0.08	-0.01	-1.44e-04	0.0	0.0
46	18	-1.85e-04	0.12	-0.01	-2.32e-04	0.0	0.0
46	44	-4.78e-04	-0.11	-0.01	2.20e-04	0.0	-2.04e-06
46	68	-1.01e-04	0.05	-8.79e-03	-9.63e-05	0.0	0.0
46	75	-1.13e-04	0.08	-8.51e-03	-1.55e-04	0.0	0.0
46	88	-3.09e-04	-0.08	-7.64e-03	1.46e-04	0.0	-1.39e-06
46	98	0.0	3.50e-03	-7.80e-03	-5.69e-06	0.0	0.0
46	103	-8.53e-06	0.02	-7.74e-03	-3.53e-05	0.0	0.0
46	105	-4.77e-05	-0.01	-7.57e-03	2.50e-05	0.0	0.0
46	106	1.75e-05	2.49e-03	-6.73e-03	-4.10e-06	0.0	0.0
46	107	1.83e-06	3.36e-03	-7.65e-03	-5.46e-06	0.0	0.0
46	112	0.70	0.69	0.09	-1.31e-03	0.0	-5.98e-05
46	114	-0.56	-0.25	-0.13	4.75e-04	0.0	4.63e-05
46	136	0.39	0.88	-0.02	-1.66e-03	0.0	-3.73e-05
46	144	0.79	0.78	0.10	-1.48e-03	0.0	-6.74e-05
46	146	-0.63	-0.28	-0.15	5.36e-04	0.0	5.23e-05
46	168	0.44	0.99	-0.03	-1.86e-03	0.0	-4.21e-05
46	176	0.79	0.78	0.10	-1.47e-03	0.0	-6.70e-05
46	178	-0.63	-0.28	-0.15	5.33e-04	0.0	5.19e-05
46	200	0.45	0.99	-0.03	-1.86e-03	0.0	-4.26e-05
46	208	0.93	0.91	0.12	-1.72e-03	0.0	-7.86e-05
46	210	-0.74	-0.33	-0.17	6.27e-04	0.0	6.08e-05
46	232	0.53	1.16	-0.03	-2.19e-03	0.0	-5.08e-05
47	1	0.0	0.0	0.0	-1.40e-04	0.0	0.0
47	65	0.0	0.0	0.0	-9.41e-05	0.0	0.0
47	97	0.0	0.0	0.0	-4.50e-06	0.0	0.0
47	106	0.0	0.0	0.0	-4.50e-06	0.0	0.0
47	108	0.0	0.0	0.0	-1.27e-03	0.0	-2.92e-06
47	140	0.0	0.0	0.0	-1.43e-03	0.0	-3.28e-06
47	172	0.0	0.0	0.0	-1.41e-03	0.0	-3.26e-06
47	204	0.0	0.0	0.0	-1.65e-03	0.0	-3.80e-06
48	4	2.69e-03	0.15	-0.02	-1.41e-04	0.0	0.0
48	18	2.22e-03	0.24	-0.02	-2.30e-04	0.0	0.0

48	51	2.77e-03	9.95e-03	-0.02	-6.28e-06	0.0	-1.55e-06
48	68	1.88e-03	0.10	-0.02	-9.43e-05	0.0	0.0
48	75	1.57e-03	0.16	-0.02	-1.54e-04	0.0	0.0
48	91	1.93e-03	7.08e-03	-0.02	-4.50e-06	0.0	-1.09e-06
48	98	1.65e-03	6.32e-03	-0.02	-4.05e-06	0.0	0.0
48	103	1.54e-03	0.04	-0.02	-3.38e-05	0.0	0.0
48	107	1.55e-03	6.07e-03	-0.02	-3.91e-06	0.0	0.0
48	112	1.42	1.38	0.15	-1.30e-03	0.0	-1.21e-04
48	114	-1.14	-0.50	-0.22	4.73e-04	0.0	9.40e-05
48	136	0.80	1.74	-0.04	-1.63e-03	0.0	-7.50e-05
48	144	1.60	1.56	0.17	-1.46e-03	0.0	-1.36e-04
48	146	-1.28	-0.57	-0.25	5.34e-04	0.0	1.06e-04
48	168	0.90	1.96	-0.05	-1.84e-03	0.0	-8.46e-05
48	176	1.60	1.55	0.17	-1.45e-03	0.0	-1.35e-04
48	178	-1.28	-0.56	-0.25	5.30e-04	0.0	1.05e-04
48	200	0.92	1.96	-0.05	-1.84e-03	0.0	-8.57e-05
48	208	1.88	1.81	0.20	-1.70e-03	0.0	-1.59e-04
48	210	-1.50	-0.66	-0.29	6.24e-04	0.0	1.23e-04
48	232	1.09	2.31	-0.05	-2.16e-03	0.0	-1.02e-04
49	4	0.01	0.22	-0.04	-1.37e-04	0.0	0.0
49	18	8.86e-03	0.36	-0.04	-2.26e-04	0.0	2.05e-06
49	68	7.23e-03	0.15	-0.03	-9.15e-05	0.0	0.0
49	75	6.21e-03	0.24	-0.03	-1.51e-04	0.0	1.32e-06
49	98	5.97e-03	7.95e-03	-0.02	-1.77e-06	0.0	0.0
49	103	5.63e-03	0.05	-0.02	-3.16e-05	0.0	0.0
49	107	5.63e-03	7.64e-03	-0.02	-1.73e-06	0.0	0.0
49	112	2.14	2.06	0.18	-1.27e-03	0.0	-1.79e-04
49	114	-1.71	-0.75	-0.28	4.70e-04	0.0	1.40e-04
49	136	1.21	2.59	-0.06	-1.59e-03	0.0	-1.11e-04
49	144	2.42	2.32	0.20	-1.43e-03	0.0	-2.01e-04
49	146	-1.93	-0.85	-0.31	5.30e-04	0.0	1.58e-04
49	168	1.36	2.92	-0.07	-1.80e-03	0.0	-1.25e-04
49	176	2.42	2.31	0.20	-1.42e-03	0.0	-2.00e-04
49	178	-1.92	-0.84	-0.31	5.26e-04	0.0	1.57e-04
49	200	1.38	2.92	-0.07	-1.80e-03	0.0	-1.27e-04
49	208	2.84	2.70	0.24	-1.67e-03	0.0	-2.35e-04
49	210	-2.26	-0.99	-0.36	6.19e-04	0.0	1.84e-04
49	232	1.64	3.43	-0.07	-2.11e-03	0.0	-1.51e-04
50	4	0.03	0.30	-0.06	-1.33e-04	0.0	2.02e-06
50	18	0.03	0.48	-0.05	-2.23e-04	0.0	3.92e-06
50	68	0.02	0.20	-0.04	-8.85e-05	0.0	1.32e-06
50	75	0.02	0.32	-0.04	-1.48e-04	0.0	2.59e-06
50	98	0.02	8.20e-03	-0.04	0.0	0.0	0.0
50	103	0.02	0.07	-0.04	-2.93e-05	0.0	0.0
50	107	0.02	7.90e-03	-0.03	0.0	0.0	0.0
50	112	2.96	2.72	0.18	-1.23e-03	0.0	-2.36e-04
50	114	-2.34	-1.00	-0.31	4.65e-04	0.0	1.86e-04
50	136	1.67	3.42	-0.08	-1.55e-03	0.0	-1.46e-04
50	144	3.33	3.06	0.20	-1.39e-03	0.0	-2.66e-04
50	146	-2.64	-1.13	-0.34	5.24e-04	0.0	2.10e-04
50	168	1.88	3.85	-0.09	-1.74e-03	0.0	-1.65e-04
50	176	3.33	3.05	0.20	-1.38e-03	0.0	-2.64e-04
50	178	-2.64	-1.12	-0.34	5.21e-04	0.0	2.09e-04
50	200	1.91	3.85	-0.08	-1.74e-03	0.0	-1.67e-04
50	208	3.92	3.57	0.24	-1.62e-03	0.0	-3.10e-04
50	210	-3.10	-1.32	-0.39	6.13e-04	0.0	2.44e-04
50	232	2.27	4.53	-0.09	-2.05e-03	0.0	-2.00e-04
51	28	0.02	-0.44	-0.33	6.44e-05	0.0	-2.90e-05
51	44	0.01	-0.68	-0.29	1.69e-04	0.0	-2.73e-05
51	52	0.02	-0.08	-0.33	-7.75e-05	0.0	-2.65e-05
51	80	0.01	-0.30	-0.23	4.01e-05	0.0	-2.03e-05
51	88	8.86e-03	-0.45	-0.20	1.10e-04	0.0	-1.91e-05
51	92	0.01	-0.06	-0.23	-5.45e-05	0.0	-1.86e-05
51	98	9.41e-03	-0.05	-0.19	-4.55e-05	0.0	-1.55e-05
51	105	8.64e-03	-0.12	-0.18	-1.19e-05	0.0	-1.53e-05
51	107	8.84e-03	-0.04	-0.18	-4.34e-05	0.0	-1.48e-05
51	112	3.36	1.89	-0.20	-7.96e-04	0.0	-2.86e-04
51	113	2.70	-0.08	-0.21	-3.41e-05	0.0	-2.32e-04
51	139	-1.88	-3.62	-0.20	1.34e-03	0.0	1.50e-04
51	144	3.79	2.13	-0.20	-8.91e-04	0.0	-3.20e-04
51	145	3.04	-0.08	-0.22	-3.35e-05	0.0	-2.59e-04
51	171	-2.12	-4.06	-0.20	1.51e-03	0.0	1.72e-04
51	176	3.79	2.11	-0.20	-8.83e-04	0.0	-3.19e-04
51	177	3.03	-0.08	-0.22	-3.55e-05	0.0	-2.57e-04
51	203	-2.15	-4.03	-0.20	1.50e-03	0.0	1.75e-04

51	208	4.46	2.48	-0.20	-1.03e-03	0.0	-3.72e-04
51	209	3.57	-0.08	-0.22	-3.71e-05	0.0	-2.99e-04
51	235	-2.56	-4.70	-0.20	1.76e-03	0.0	2.12e-04
52	4	0.02	0.31	-0.21	-1.98e-04	0.0	-3.63e-05
52	44	0.01	-0.65	-0.18	1.84e-04	0.0	-4.07e-05
52	52	0.02	-0.05	-0.21	-5.92e-05	0.0	-3.98e-05
52	68	0.01	0.20	-0.15	-1.34e-04	0.0	-2.56e-05
52	88	8.47e-03	-0.43	-0.12	1.21e-04	0.0	-2.85e-05
52	92	0.01	-0.03	-0.15	-4.17e-05	0.0	-2.80e-05
52	98	9.08e-03	-0.03	-0.12	-3.48e-05	0.0	-2.33e-05
52	105	8.33e-03	-0.11	-0.11	-1.75e-06	0.0	-2.29e-05
52	107	8.53e-03	-0.03	-0.11	-3.32e-05	0.0	-2.21e-05
52	112	3.36	2.05	-0.14	-8.37e-04	0.0	-2.95e-04
52	136	1.90	3.60	-0.17	-1.43e-03	0.0	-1.89e-04
52	139	-1.88	-3.65	-0.06	1.36e-03	0.0	1.45e-04
52	144	3.79	2.31	-0.15	-9.38e-04	0.0	-3.30e-04
52	168	2.14	4.05	-0.18	-1.61e-03	0.0	-2.11e-04
52	171	-2.12	-4.11	-0.05	1.54e-03	0.0	1.66e-04
52	176	3.79	2.29	-0.15	-9.31e-04	0.0	-3.28e-04
52	200	2.17	4.02	-0.18	-1.60e-03	0.0	-2.13e-04
52	203	-2.15	-4.08	-0.05	1.53e-03	0.0	1.69e-04
52	208	4.46	2.68	-0.15	-1.08e-03	0.0	-3.82e-04
52	232	2.58	4.71	-0.19	-1.86e-03	0.0	-2.50e-04
52	235	-2.56	-4.76	-0.04	1.79e-03	0.0	2.06e-04
53	28	0.01	-0.46	-0.44	2.83e-05	0.0	-1.54e-05
53	44	0.01	-0.74	-0.38	1.35e-04	0.0	-1.54e-05
53	52	0.02	-0.03	-0.44	-1.12e-04	0.0	-1.30e-05
53	80	9.82e-03	-0.31	-0.31	1.47e-05	0.0	-1.08e-05
53	88	7.91e-03	-0.49	-0.26	8.60e-05	0.0	-1.08e-05
53	92	0.01	-0.02	-0.31	-7.85e-05	0.0	-9.14e-06
53	98	8.45e-03	-0.02	-0.25	-6.56e-05	0.0	-7.61e-06
53	105	7.75e-03	-0.11	-0.24	-3.15e-05	0.0	-7.79e-06
53	107	7.94e-03	-0.02	-0.24	-6.25e-05	0.0	-7.25e-06
53	109	3.82	9.79e-04	-0.28	-7.25e-05	0.0	-3.24e-04
53	112	3.82	2.24	-0.27	-8.07e-04	0.0	-3.23e-04
53	139	-2.14	-4.18	-0.25	1.30e-03	0.0	1.85e-04
53	141	4.30	5.86e-03	-0.29	-7.47e-05	0.0	-3.64e-04
53	144	4.31	2.52	-0.27	-9.00e-04	0.0	-3.63e-04
53	171	-2.42	-4.71	-0.25	1.48e-03	0.0	2.10e-04
53	173	4.30	0.02	-0.29	-7.99e-05	0.0	-3.63e-04
53	176	4.31	2.50	-0.27	-8.93e-04	0.0	-3.62e-04
53	203	-2.45	-4.67	-0.25	1.46e-03	0.0	2.13e-04
53	205	5.06	0.04	-0.30	-8.79e-05	0.0	-4.25e-04
53	208	5.07	2.93	-0.28	-1.03e-03	0.0	-4.24e-04
53	235	-2.92	-5.45	-0.25	1.72e-03	0.0	2.56e-04
54	4	0.01	0.40	-0.28	-2.20e-04	0.0	-1.80e-05
54	44	0.01	-0.72	-0.23	1.62e-04	0.0	-2.44e-05
54	52	0.01	-0.02	-0.28	-8.21e-05	0.0	-2.14e-05
54	68	9.52e-03	0.27	-0.20	-1.50e-04	0.0	-1.27e-05
54	88	7.48e-03	-0.48	-0.16	1.05e-04	0.0	-1.70e-05
54	92	9.91e-03	-0.01	-0.19	-5.78e-05	0.0	-1.51e-05
54	98	8.07e-03	-8.59e-03	-0.16	-4.83e-05	0.0	-1.25e-05
54	105	7.39e-03	-0.10	-0.15	-1.48e-05	0.0	-1.27e-05
54	107	7.58e-03	-8.01e-03	-0.15	-4.61e-05	0.0	-1.19e-05
54	112	3.82	2.41	-0.18	-8.42e-04	0.0	-3.29e-04
54	136	2.16	4.21	-0.22	-1.43e-03	0.0	-2.05e-04
54	139	-2.14	-4.23	-0.09	1.33e-03	0.0	1.81e-04
54	144	4.31	2.72	-0.19	-9.42e-04	0.0	-3.69e-04
54	168	2.43	4.75	-0.22	-1.60e-03	0.0	-2.30e-04
54	171	-2.42	-4.76	-0.08	1.51e-03	0.0	2.06e-04
54	176	4.31	2.70	-0.19	-9.35e-04	0.0	-3.68e-04
54	200	2.47	4.71	-0.22	-1.59e-03	0.0	-2.33e-04
54	203	-2.45	-4.73	-0.08	1.50e-03	0.0	2.09e-04
54	208	5.07	3.15	-0.19	-1.09e-03	0.0	-4.30e-04
54	232	2.93	5.51	-0.23	-1.85e-03	0.0	-2.76e-04
54	235	-2.92	-5.53	-0.07	1.76e-03	0.0	2.53e-04
55	4	0.01	0.51	-0.61	4.12e-04	1.05e-04	3.57e-06
55	18	9.40e-03	0.82	-0.53	3.59e-04	9.48e-05	3.76e-06
55	52	0.01	0.03	-0.61	4.07e-04	1.05e-04	3.01e-06
55	68	8.33e-03	0.34	-0.43	2.87e-04	7.48e-05	2.57e-06
55	75	6.59e-03	0.55	-0.37	2.52e-04	6.79e-05	2.70e-06
55	92	8.95e-03	0.02	-0.42	2.84e-04	7.45e-05	2.19e-06
55	98	7.30e-03	0.02	-0.35	2.32e-04	6.35e-05	1.93e-06
55	103	6.65e-03	0.12	-0.33	2.20e-04	6.12e-05	2.02e-06
55	107	6.85e-03	0.02	-0.33	2.19e-04	6.11e-05	1.89e-06

55	112	4.29	2.59	-0.39	2.46e-04	9.88e-04	-4.75e-04
55	124	-0.24	4.54	-0.40	2.42e-04	8.05e-04	1.89e-05
55	136	2.42	4.77	-0.38	2.32e-04	-1.30e-04	-2.78e-04
55	144	4.83	2.92	-0.39	2.49e-04	1.10e-03	-5.36e-04
55	156	-0.27	5.11	-0.41	2.44e-04	8.98e-04	2.16e-05
55	168	2.73	5.37	-0.39	2.34e-04	-1.54e-04	-3.15e-04
55	176	4.83	2.89	-0.39	2.48e-04	1.09e-03	-5.39e-04
55	188	-0.27	5.02	-0.41	2.44e-04	8.84e-04	2.45e-05
55	200	2.77	5.33	-0.39	2.34e-04	-1.47e-04	-3.24e-04
55	208	5.68	3.38	-0.41	2.53e-04	1.26e-03	-6.35e-04
55	220	-0.32	5.82	-0.42	2.48e-04	1.02e-03	3.12e-05
55	232	3.29	6.22	-0.40	2.36e-04	-1.74e-04	-3.90e-04
56	4	0.01	0.50	-0.41	4.00e-05	0.0	3.61e-06
56	18	8.75e-03	0.82	-0.36	-2.79e-05	0.0	4.98e-06
56	52	0.01	0.03	-0.40	1.19e-04	0.0	1.46e-06
56	68	7.82e-03	0.34	-0.29	3.05e-05	0.0	2.52e-06
56	75	6.13e-03	0.55	-0.25	-1.48e-05	0.0	3.43e-06
56	92	8.44e-03	0.02	-0.28	8.29e-05	0.0	1.09e-06
56	98	6.87e-03	0.02	-0.23	6.79e-05	0.0	1.04e-06
56	103	6.24e-03	0.12	-0.22	4.70e-05	0.0	1.50e-06
56	107	6.45e-03	0.02	-0.22	6.45e-05	0.0	1.03e-06
56	112	4.29	2.78	-0.25	-5.74e-04	0.0	-3.73e-04
56	136	2.42	4.83	-0.29	-1.20e-03	0.0	-2.26e-04
56	144	4.83	3.13	-0.26	-6.54e-04	0.0	-4.21e-04
56	168	2.73	5.44	-0.30	-1.36e-03	0.0	-2.55e-04
56	176	4.83	3.10	-0.26	-6.41e-04	0.0	-4.20e-04
56	200	2.77	5.40	-0.30	-1.35e-03	0.0	-2.60e-04
56	208	5.68	3.63	-0.26	-7.56e-04	0.0	-4.94e-04
56	232	3.29	6.31	-0.31	-1.58e-03	0.0	-3.11e-04
57	4	0.02	0.33	-0.15	-1.80e-04	0.0	-3.15e-05
57	44	0.01	-0.62	-0.12	2.00e-04	0.0	-3.63e-05
57	52	0.02	-0.03	-0.14	-4.09e-05	0.0	-3.50e-05
57	68	0.01	0.22	-0.10	-1.21e-04	0.0	-2.22e-05
57	88	8.48e-03	-0.42	-0.09	1.32e-04	0.0	-2.55e-05
57	92	0.01	-0.02	-0.10	-2.89e-05	0.0	-2.46e-05
57	98	9.14e-03	-0.01	-0.09	-2.42e-05	0.0	-2.04e-05
57	105	8.37e-03	-0.09	-0.08	8.37e-06	0.0	-2.02e-05
57	107	8.59e-03	-0.01	-0.08	-2.31e-05	0.0	-1.94e-05
57	112	3.36	2.21	-0.08	-8.78e-04	0.0	-2.94e-04
57	134	0.22	2.92	-0.12	-1.14e-03	0.0	-3.72e-05
57	139	-1.88	-3.69	-0.05	1.39e-03	0.0	1.48e-04
57	144	3.79	2.49	-0.08	-9.85e-04	0.0	-3.29e-04
57	166	0.24	3.28	-0.12	-1.28e-03	0.0	-3.96e-05
57	171	-2.12	-4.15	-0.05	1.56e-03	0.0	1.70e-04
57	176	3.79	2.47	-0.08	-9.78e-04	0.0	-3.28e-04
57	198	0.25	3.25	-0.12	-1.27e-03	0.0	-4.04e-05
57	203	-2.15	-4.13	-0.05	1.55e-03	0.0	1.73e-04
57	208	4.46	2.89	-0.09	-1.14e-03	0.0	-3.81e-04
57	230	0.29	3.79	-0.13	-1.48e-03	0.0	-4.54e-05
57	235	-2.56	-4.83	-0.04	1.82e-03	0.0	2.10e-04
58	4	0.01	0.41	-0.20	-1.93e-04	0.0	-1.49e-05
58	44	0.01	-0.70	-0.16	1.87e-04	0.0	-2.17e-05
58	52	0.01	-2.77e-03	-0.19	-5.44e-05	0.0	-1.84e-05
58	68	9.69e-03	0.27	-0.14	-1.31e-04	0.0	-1.06e-05
58	88	7.56e-03	-0.47	-0.12	1.23e-04	0.0	-1.51e-05
58	92	0.01	-1.68e-03	-0.14	-3.83e-05	0.0	-1.29e-05
58	98	8.20e-03	-9.90e-04	-0.11	-3.20e-05	0.0	-1.07e-05
58	105	7.50e-03	-0.09	-0.11	0.0	0.0	-1.09e-05
58	107	7.70e-03	-7.74e-04	-0.11	-3.06e-05	0.0	-1.02e-05
58	112	3.83	2.59	-0.11	-8.77e-04	0.0	-3.29e-04
58	134	0.25	3.41	-0.15	-1.14e-03	0.0	-2.95e-05
58	139	-2.14	-4.28	-0.07	1.36e-03	0.0	1.84e-04
58	144	4.31	2.91	-0.11	-9.84e-04	0.0	-3.69e-04
58	166	0.28	3.84	-0.16	-1.28e-03	0.0	-3.23e-05
58	171	-2.42	-4.82	-0.07	1.54e-03	0.0	2.09e-04
58	176	4.31	2.89	-0.11	-9.77e-04	0.0	-3.68e-04
58	198	0.28	3.80	-0.15	-1.27e-03	0.0	-3.32e-05
58	203	-2.45	-4.79	-0.07	1.53e-03	0.0	2.12e-04
58	208	5.07	3.38	-0.11	-1.14e-03	0.0	-4.30e-04
58	230	0.33	4.43	-0.16	-1.47e-03	0.0	-3.87e-05
58	235	-2.92	-5.61	-0.06	1.80e-03	0.0	2.55e-04
59	4	0.01	0.50	-0.29	-1.69e-05	0.0	6.81e-06
59	18	8.75e-03	0.81	-0.26	-8.49e-05	0.0	8.55e-06
59	52	0.01	0.03	-0.28	7.17e-05	0.0	3.67e-06
59	68	7.80e-03	0.33	-0.20	-8.81e-06	0.0	4.73e-06

59	75	6.12e-03	0.54	-0.18	-5.41e-05	0.0	5.89e-06
59	92	8.39e-03	0.02	-0.20	5.02e-05	0.0	2.63e-06
59	98	6.82e-03	0.02	-0.16	4.13e-05	0.0	2.32e-06
59	103	6.20e-03	0.12	-0.16	1.97e-05	0.0	2.94e-06
59	107	6.39e-03	0.02	-0.16	3.94e-05	0.0	2.24e-06
59	112	4.29	2.97	-0.16	-5.08e-04	0.0	-3.61e-04
59	134	0.27	3.90	-0.20	-8.20e-04	0.0	-1.92e-05
59	136	2.42	4.90	-0.20	-9.82e-04	0.0	-2.19e-04
59	144	4.83	3.34	-0.16	-5.77e-04	0.0	-4.08e-04
59	166	0.31	4.39	-0.21	-9.28e-04	0.0	-2.23e-05
59	168	2.73	5.51	-0.20	-1.11e-03	0.0	-2.48e-04
59	176	4.83	3.31	-0.16	-5.65e-04	0.0	-4.06e-04
59	198	0.31	4.35	-0.21	-9.19e-04	0.0	-2.35e-05
59	200	2.77	5.48	-0.20	-1.10e-03	0.0	-2.51e-04
59	208	5.68	3.87	-0.16	-6.63e-04	0.0	-4.78e-04
59	230	0.37	5.06	-0.22	-1.08e-03	0.0	-2.97e-05
59	232	3.29	6.41	-0.21	-1.29e-03	0.0	-3.01e-04
60	4	0.02	0.34	-0.11	-1.64e-04	0.0	-2.18e-05
60	44	0.01	-0.60	-0.09	2.13e-04	0.0	-2.73e-05
60	52	0.02	-7.63e-03	-0.10	-2.57e-05	0.0	-2.51e-05
60	68	0.01	0.23	-0.08	-1.10e-04	0.0	-1.54e-05
60	88	8.68e-03	-0.40	-0.06	1.41e-04	0.0	-1.91e-05
60	92	0.01	-5.15e-03	-0.07	-1.81e-05	0.0	-1.76e-05
60	98	9.38e-03	-3.97e-03	-0.06	-1.52e-05	0.0	-1.46e-05
60	105	8.59e-03	-0.08	-0.06	1.69e-05	0.0	-1.46e-05
60	107	8.82e-03	-3.64e-03	-0.06	-1.45e-05	0.0	-1.39e-05
60	112	3.36	2.36	-0.06	-9.20e-04	0.0	-2.89e-04
60	134	0.22	2.89	-0.08	-1.12e-03	0.0	-3.14e-05
60	139	-1.88	-3.73	-0.04	1.41e-03	0.0	1.54e-04
60	144	3.79	2.66	-0.06	-1.03e-03	0.0	-3.24e-04
60	166	0.24	3.26	-0.08	-1.26e-03	0.0	-3.38e-05
60	171	-2.12	-4.20	-0.04	1.59e-03	0.0	1.76e-04
60	176	3.79	2.64	-0.06	-1.03e-03	0.0	-3.23e-04
60	198	0.25	3.23	-0.08	-1.25e-03	0.0	-3.47e-05
60	203	-2.15	-4.18	-0.04	1.58e-03	0.0	1.79e-04
60	208	4.46	3.09	-0.06	-1.20e-03	0.0	-3.77e-04
60	230	0.29	3.76	-0.09	-1.45e-03	0.0	-3.97e-05
60	235	-2.56	-4.90	-0.04	1.85e-03	0.0	2.16e-04
61	4	0.01	0.42	-0.14	-1.71e-04	0.0	-8.64e-06
61	45	2.85e-03	-0.70	-0.05	2.23e-04	0.0	-9.97e-06
61	52	0.02	6.05e-03	-0.14	-3.26e-05	0.0	-1.21e-05
61	68	0.01	0.28	-0.10	-1.15e-04	0.0	-6.17e-06
61	85	3.79e-03	-0.46	-0.06	1.44e-04	0.0	-8.37e-06
61	92	0.01	4.50e-03	-0.10	-2.30e-05	0.0	-8.50e-06
61	98	8.47e-03	4.12e-03	-0.08	-1.93e-05	0.0	-7.02e-06
61	103	7.84e-03	0.10	-0.08	-4.92e-05	0.0	-5.89e-06
61	107	7.95e-03	4.08e-03	-0.08	-1.84e-05	0.0	-6.67e-06
61	112	3.83	2.76	-0.08	-9.17e-04	0.0	-3.25e-04
61	134	0.25	3.38	-0.10	-1.11e-03	0.0	-2.59e-05
61	136	2.16	4.34	-0.10	-1.43e-03	0.0	-2.01e-04
61	144	4.31	3.11	-0.08	-1.03e-03	0.0	-3.66e-04
61	166	0.28	3.80	-0.11	-1.25e-03	0.0	-2.87e-05
61	168	2.44	4.89	-0.10	-1.61e-03	0.0	-2.26e-04
61	176	4.31	3.08	-0.08	-1.02e-03	0.0	-3.65e-04
61	198	0.28	3.76	-0.11	-1.24e-03	0.0	-2.97e-05
61	200	2.47	4.87	-0.10	-1.60e-03	0.0	-2.29e-04
61	208	5.07	3.61	-0.08	-1.19e-03	0.0	-4.27e-04
61	230	0.33	4.39	-0.11	-1.44e-03	0.0	-3.52e-05
61	232	2.94	5.70	-0.11	-1.87e-03	0.0	-2.73e-04
62	4	0.01	0.49	-0.20	-2.55e-05	0.0	8.90e-06
62	18	8.97e-03	0.81	-0.18	-9.15e-05	0.0	1.09e-05
62	52	0.01	0.02	-0.20	6.19e-05	0.0	5.12e-06
62	68	7.93e-03	0.33	-0.14	-1.48e-05	0.0	6.16e-06
62	75	6.26e-03	0.54	-0.13	-5.88e-05	0.0	7.48e-06
62	92	8.47e-03	0.02	-0.14	4.35e-05	0.0	3.64e-06
62	98	6.88e-03	0.01	-0.12	3.58e-05	0.0	3.13e-06
62	103	6.26e-03	0.12	-0.12	1.47e-05	0.0	3.85e-06
62	107	6.45e-03	0.01	-0.11	3.41e-05	0.0	3.01e-06
62	112	4.29	3.15	-0.11	-6.01e-04	0.0	-3.60e-04
62	134	0.27	3.85	-0.14	-9.21e-04	0.0	-1.85e-05
62	136	2.42	4.96	-0.14	-1.12e-03	0.0	-2.18e-04
62	144	4.83	3.55	-0.11	-6.81e-04	0.0	-4.06e-04
62	166	0.31	4.34	-0.15	-1.04e-03	0.0	-2.15e-05
62	168	2.73	5.59	-0.14	-1.26e-03	0.0	-2.46e-04
62	176	4.83	3.53	-0.11	-6.67e-04	0.0	-4.04e-04

62	198	0.31	4.30	-0.15	-1.03e-03	0.0	-2.27e-05
62	200	2.77	5.56	-0.14	-1.25e-03	0.0	-2.50e-04
62	208	5.68	4.12	-0.12	-7.81e-04	0.0	-4.75e-04
62	230	0.37	5.01	-0.15	-1.21e-03	0.0	-2.90e-05
62	232	3.29	6.51	-0.15	-1.46e-03	0.0	-2.99e-04
63	4	0.02	0.35	-0.08	-1.52e-04	0.0	-1.22e-05
63	47	9.56e-03	-0.59	-0.05	2.25e-04	0.0	-1.54e-05
63	52	0.02	3.61e-03	-0.08	-1.43e-05	0.0	-1.54e-05
63	68	0.01	0.24	-0.06	-1.02e-04	0.0	-8.67e-06
63	87	8.58e-03	-0.39	-0.05	1.48e-04	0.0	-1.25e-05
63	92	0.01	2.73e-03	-0.06	-1.01e-05	0.0	-1.08e-05
63	98	9.77e-03	2.57e-03	-0.05	-8.52e-06	0.0	-8.96e-06
63	102	5.63e-03	0.08	-0.04	-3.67e-05	0.0	-5.19e-06
63	106	5.67e-03	2.61e-03	-0.04	-6.02e-06	0.0	-5.90e-06
63	107	9.19e-03	2.58e-03	-0.05	-8.17e-06	0.0	-8.52e-06
63	112	3.37	2.51	-0.04	-9.65e-04	0.0	-2.83e-04
63	134	0.22	2.87	-0.06	-1.09e-03	0.0	-2.57e-05
63	136	1.90	3.79	-0.06	-1.45e-03	0.0	-1.76e-04
63	144	3.79	2.83	-0.04	-1.09e-03	0.0	-3.18e-04
63	166	0.24	3.23	-0.06	-1.23e-03	0.0	-2.81e-05
63	168	2.14	4.26	-0.06	-1.63e-03	0.0	-1.98e-04
63	176	3.79	2.81	-0.04	-1.08e-03	0.0	-3.17e-04
63	198	0.25	3.20	-0.06	-1.22e-03	0.0	-2.90e-05
63	200	2.17	4.25	-0.06	-1.62e-03	0.0	-2.01e-04
63	208	4.46	3.29	-0.04	-1.26e-03	0.0	-3.71e-04
63	230	0.29	3.73	-0.07	-1.42e-03	0.0	-3.40e-05
63	232	2.58	4.98	-0.06	-1.90e-03	0.0	-2.38e-04
64	4	0.02	0.42	-0.10	-1.55e-04	0.0	-2.71e-06
64	18	0.01	0.69	-0.10	-2.45e-04	0.0	0.0
64	52	0.02	0.01	-0.10	-1.70e-05	0.0	-6.34e-06
64	68	0.01	0.28	-0.07	-1.04e-04	0.0	-2.01e-06
64	75	8.73e-03	0.46	-0.07	-1.64e-04	0.0	0.0
64	92	0.01	7.87e-03	-0.07	-1.20e-05	0.0	-4.43e-06
64	98	8.83e-03	6.89e-03	-0.06	-1.01e-05	0.0	-3.64e-06
64	103	8.19e-03	0.10	-0.06	-4.03e-05	0.0	-2.64e-06
64	107	8.29e-03	6.71e-03	-0.06	-9.67e-06	0.0	-3.45e-06
64	112	3.83	2.93	-0.06	-9.58e-04	0.0	-3.22e-04
64	134	0.25	3.34	-0.08	-1.08e-03	0.0	-2.26e-05
64	136	2.16	4.41	-0.07	-1.43e-03	0.0	-1.97e-04
64	144	4.31	3.30	-0.06	-1.08e-03	0.0	-3.63e-04
64	166	0.28	3.76	-0.08	-1.22e-03	0.0	-2.54e-05
64	168	2.44	4.96	-0.08	-1.61e-03	0.0	-2.23e-04
64	176	4.31	3.27	-0.06	-1.07e-03	0.0	-3.61e-04
64	198	0.28	3.72	-0.08	-1.21e-03	0.0	-2.63e-05
64	200	2.47	4.94	-0.08	-1.61e-03	0.0	-2.26e-04
64	208	5.07	3.83	-0.06	-1.25e-03	0.0	-4.24e-04
64	230	0.33	4.34	-0.08	-1.41e-03	0.0	-3.18e-05
64	232	2.94	5.79	-0.08	-1.88e-03	0.0	-2.69e-04
65	4	0.01	0.49	-0.15	-2.67e-05	0.0	9.93e-06
65	18	9.26e-03	0.80	-0.14	-9.13e-05	0.0	1.22e-05
65	52	0.01	0.02	-0.15	5.91e-05	0.0	5.62e-06
65	68	8.13e-03	0.33	-0.11	-1.58e-05	0.0	6.85e-06
65	75	6.46e-03	0.53	-0.10	-5.88e-05	0.0	8.34e-06
65	92	8.63e-03	0.01	-0.11	4.15e-05	0.0	3.98e-06
65	98	7.00e-03	0.01	-0.09	3.41e-05	0.0	3.38e-06
65	103	6.39e-03	0.12	-0.09	1.34e-05	0.0	4.19e-06
65	107	6.56e-03	0.01	-0.09	3.25e-05	0.0	3.24e-06
65	112	4.29	3.34	-0.08	-6.40e-04	0.0	-3.59e-04
65	134	0.27	3.80	-0.11	-9.28e-04	0.0	-1.83e-05
65	136	2.42	5.02	-0.10	-1.14e-03	0.0	-2.17e-04
65	144	4.83	3.76	-0.08	-7.24e-04	0.0	-4.04e-04
65	166	0.31	4.28	-0.11	-1.05e-03	0.0	-2.13e-05
65	168	2.73	5.66	-0.10	-1.29e-03	0.0	-2.45e-04
65	176	4.83	3.74	-0.08	-7.09e-04	0.0	-4.03e-04
65	198	0.31	4.24	-0.11	-1.04e-03	0.0	-2.24e-05
65	200	2.77	5.63	-0.10	-1.28e-03	0.0	-2.49e-04
65	208	5.68	4.37	-0.08	-8.29e-04	0.0	-4.74e-04
65	230	0.37	4.95	-0.11	-1.22e-03	0.0	-2.85e-05
65	232	3.29	6.60	-0.11	-1.50e-03	0.0	-2.98e-04
66	4	0.02	0.36	-0.06	-1.44e-04	0.0	-4.72e-06
66	18	0.02	0.59	-0.06	-2.35e-04	0.0	-1.53e-06
66	52	0.02	9.67e-03	-0.06	-6.77e-06	0.0	-7.98e-06
66	68	0.01	0.24	-0.04	-9.64e-05	0.0	-3.42e-06
66	75	0.01	0.39	-0.04	-1.57e-04	0.0	-1.29e-06
66	92	0.01	6.98e-03	-0.04	-4.82e-06	0.0	-5.59e-06

66	98	0.01	6.09e-03	-0.04	-4.11e-06	0.0	-4.63e-06
66	103	9.63e-03	0.08	-0.04	-3.45e-05	0.0	-3.67e-06
66	107	9.66e-03	5.92e-03	-0.04	-3.96e-06	0.0	-4.40e-06
66	112	3.37	2.66	-0.03	-1.01e-03	0.0	-2.79e-04
66	114	-2.68	-0.65	-0.05	2.50e-04	0.0	2.15e-04
66	136	1.90	3.84	-0.05	-1.46e-03	0.0	-1.72e-04
66	144	3.80	3.00	-0.03	-1.14e-03	0.0	-3.14e-04
66	146	-3.02	-0.73	-0.05	2.82e-04	0.0	2.43e-04
66	168	2.14	4.33	-0.05	-1.64e-03	0.0	-1.93e-04
66	176	3.80	2.98	-0.03	-1.13e-03	0.0	-3.13e-04
66	178	-3.02	-0.73	-0.05	2.81e-04	0.0	2.42e-04
66	200	2.17	4.32	-0.05	-1.64e-03	0.0	-1.96e-04
66	208	4.46	3.48	-0.03	-1.33e-03	0.0	-3.66e-04
66	210	-3.55	-0.87	-0.06	3.33e-04	0.0	2.84e-04
66	232	2.58	5.06	-0.05	-1.92e-03	0.0	-2.34e-04
67	4	0.02	0.42	-0.08	-1.45e-04	0.0	1.61e-06
67	18	0.01	0.69	-0.08	-2.35e-04	0.0	4.43e-06
67	52	0.02	0.01	-0.08	-7.21e-06	0.0	-2.17e-06
67	68	0.01	0.28	-0.06	-9.67e-05	0.0	1.01e-06
67	75	9.23e-03	0.46	-0.06	-1.57e-04	0.0	2.89e-06
67	92	0.01	9.20e-03	-0.06	-5.13e-06	0.0	-1.51e-06
67	98	9.23e-03	7.97e-03	-0.05	-4.36e-06	0.0	-1.22e-06
67	103	8.59e-03	0.10	-0.05	-3.47e-05	0.0	0.0
67	107	8.67e-03	7.74e-03	-0.05	-4.19e-06	0.0	-1.15e-06
67	112	3.83	3.10	-0.04	-1.00e-03	0.0	-3.20e-04
67	114	-3.05	-0.76	-0.07	2.48e-04	0.0	2.54e-04
67	136	2.16	4.47	-0.06	-1.44e-03	0.0	-1.95e-04
67	144	4.31	3.49	-0.04	-1.13e-03	0.0	-3.60e-04
67	146	-3.44	-0.86	-0.07	2.80e-04	0.0	2.86e-04
67	168	2.44	5.03	-0.06	-1.62e-03	0.0	-2.20e-04
67	176	4.32	3.46	-0.04	-1.12e-03	0.0	-3.59e-04
67	178	-3.44	-0.85	-0.07	2.79e-04	0.0	2.85e-04
67	200	2.47	5.02	-0.06	-1.62e-03	0.0	-2.23e-04
67	208	5.07	4.05	-0.04	-1.31e-03	0.0	-4.21e-04
67	210	-4.04	-1.01	-0.07	3.31e-04	0.0	3.34e-04
67	232	2.94	5.88	-0.06	-1.90e-03	0.0	-2.67e-04
68	4	0.01	0.48	-0.12	-2.53e-05	0.0	9.96e-06
68	18	9.59e-03	0.79	-0.11	-8.90e-05	0.0	1.23e-05
68	52	0.01	0.02	-0.12	5.91e-05	0.0	5.41e-06
68	68	8.35e-03	0.32	-0.09	-1.49e-05	0.0	6.85e-06
68	75	6.68e-03	0.53	-0.08	-5.73e-05	0.0	8.44e-06
68	92	8.80e-03	0.01	-0.08	4.14e-05	0.0	3.82e-06
68	98	7.14e-03	9.92e-03	-0.07	3.41e-05	0.0	3.21e-06
68	103	6.53e-03	0.11	-0.07	1.37e-05	0.0	4.08e-06
68	107	6.69e-03	9.61e-03	-0.07	3.24e-05	0.0	3.07e-06
68	112	4.29	3.53	-0.06	-6.85e-04	0.0	-3.59e-04
68	114	-3.42	-0.86	-0.09	9.09e-05	0.0	2.93e-04
68	136	2.42	5.09	-0.08	-1.18e-03	0.0	-2.17e-04
68	144	4.83	3.97	-0.06	-7.76e-04	0.0	-4.05e-04
68	146	-3.86	-0.98	-0.09	9.84e-05	0.0	3.30e-04
68	168	2.73	5.73	-0.08	-1.34e-03	0.0	-2.46e-04
68	176	4.83	3.95	-0.06	-7.59e-04	0.0	-4.03e-04
68	178	-3.85	-0.97	-0.09	8.87e-05	0.0	3.28e-04
68	200	2.77	5.71	-0.08	-1.32e-03	0.0	-2.49e-04
68	208	5.68	4.62	-0.06	-8.87e-04	0.0	-4.74e-04
68	210	-4.53	-1.15	-0.10	9.49e-05	0.0	3.84e-04
68	232	3.29	6.70	-0.08	-1.55e-03	0.0	-2.98e-04
69	4	0.02	0.36	-0.05	-1.39e-04	0.0	0.0
69	18	0.02	0.59	-0.05	-2.30e-04	0.0	2.84e-06
69	52	0.02	0.01	-0.05	-2.15e-06	0.0	-3.11e-06
69	68	0.01	0.24	-0.04	-9.26e-05	0.0	0.0
69	75	0.01	0.39	-0.04	-1.53e-04	0.0	1.79e-06
69	92	0.01	8.77e-03	-0.04	-1.57e-06	0.0	-2.18e-06
69	98	0.01	7.56e-03	-0.03	-1.40e-06	0.0	-1.80e-06
69	103	0.01	0.08	-0.03	-3.17e-05	0.0	0.0
69	107	0.01	7.32e-03	-0.03	-1.38e-06	0.0	-1.71e-06
69	112	3.37	2.81	-0.02	-1.06e-03	0.0	-2.76e-04
69	114	-2.68	-0.79	-0.06	3.04e-04	0.0	2.18e-04
69	136	1.90	3.90	-0.04	-1.47e-03	0.0	-1.69e-04
69	144	3.80	3.16	-0.01	-1.20e-03	0.0	-3.11e-04
69	146	-3.03	-0.89	-0.06	3.44e-04	0.0	2.46e-04
69	168	2.15	4.39	-0.04	-1.66e-03	0.0	-1.91e-04
69	176	3.80	3.14	-0.01	-1.19e-03	0.0	-3.10e-04
69	178	-3.02	-0.88	-0.06	3.42e-04	0.0	2.44e-04
69	200	2.18	4.38	-0.04	-1.65e-03	0.0	-1.93e-04

69	208	4.47	3.68	-0.01	-1.39e-03	0.0	-3.64e-04
69	210	-3.56	-1.04	-0.07	4.04e-04	0.0	2.87e-04
69	232	2.59	5.14	-0.04	-1.94e-03	0.0	-2.31e-04
70	4	0.02	0.42	-0.07	-1.38e-04	0.0	4.31e-06
70	18	0.01	0.69	-0.07	-2.29e-04	0.0	6.88e-06
70	52	0.02	0.01	-0.07	-1.35e-06	0.0	0.0
70	68	0.01	0.28	-0.05	-9.21e-05	0.0	2.89e-06
70	75	9.82e-03	0.46	-0.05	-1.53e-04	0.0	4.61e-06
70	92	0.01	9.26e-03	-0.05	-1.02e-06	0.0	0.0
70	98	9.72e-03	8.00e-03	-0.04	0.0	0.0	0.0
70	103	9.07e-03	0.10	-0.04	-3.13e-05	0.0	1.11e-06
70	107	9.13e-03	7.76e-03	-0.04	0.0	0.0	0.0
70	112	3.83	3.26	-0.02	-1.05e-03	0.0	-3.18e-04
70	114	-3.05	-0.92	-0.07	3.02e-04	0.0	2.56e-04
70	136	2.16	4.53	-0.05	-1.45e-03	0.0	-1.93e-04
70	144	4.32	3.67	-0.02	-1.18e-03	0.0	-3.59e-04
70	146	-3.44	-1.04	-0.08	3.41e-04	0.0	2.88e-04
70	168	2.44	5.10	-0.05	-1.64e-03	0.0	-2.19e-04
70	176	4.32	3.65	-0.02	-1.18e-03	0.0	-3.57e-04
70	178	-3.44	-1.03	-0.08	3.40e-04	0.0	2.86e-04
70	200	2.47	5.09	-0.05	-1.63e-03	0.0	-2.22e-04
70	208	5.07	4.28	-0.02	-1.38e-03	0.0	-4.20e-04
70	210	-4.04	-1.22	-0.08	4.01e-04	0.0	3.35e-04
70	232	2.94	5.97	-0.05	-1.92e-03	0.0	-2.65e-04
71	4	0.01	0.48	-0.10	-2.38e-05	0.0	9.67e-06
71	18	0.01	0.79	-0.09	-8.69e-05	0.0	1.22e-05
71	52	0.01	0.01	-0.10	5.96e-05	0.0	4.98e-06
71	68	8.72e-03	0.32	-0.07	-1.39e-05	0.0	6.62e-06
71	75	7.03e-03	0.52	-0.07	-5.60e-05	0.0	8.30e-06
71	92	9.13e-03	9.44e-03	-0.07	4.17e-05	0.0	3.50e-06
71	98	7.41e-03	8.19e-03	-0.06	3.43e-05	0.0	2.92e-06
71	103	6.81e-03	0.11	-0.06	1.41e-05	0.0	3.82e-06
71	107	6.95e-03	7.96e-03	-0.06	3.26e-05	0.0	2.78e-06
71	112	4.29	3.71	-0.04	-7.26e-04	0.0	-3.59e-04
71	114	-3.42	-1.05	-0.09	1.18e-04	0.0	2.93e-04
71	136	2.42	5.15	-0.07	-1.22e-03	0.0	-2.17e-04
71	144	4.83	4.18	-0.04	-8.22e-04	0.0	-4.05e-04
71	146	-3.86	-1.18	-0.10	1.29e-04	0.0	3.30e-04
71	168	2.73	5.81	-0.07	-1.37e-03	0.0	-2.46e-04
71	176	4.83	4.16	-0.04	-8.03e-04	0.0	-4.03e-04
71	178	-3.85	-1.18	-0.10	1.18e-04	0.0	3.28e-04
71	200	2.77	5.79	-0.07	-1.36e-03	0.0	-2.49e-04
71	208	5.68	4.87	-0.03	-9.38e-04	0.0	-4.74e-04
71	210	-4.53	-1.39	-0.10	1.28e-04	0.0	3.84e-04
71	232	3.29	6.80	-0.07	-1.60e-03	0.0	-2.99e-04
72	4	0.02	0.36	-0.05	-1.35e-04	0.0	2.95e-06
72	18	0.02	0.58	-0.05	-2.26e-04	0.0	5.27e-06
72	68	0.01	0.24	-0.04	-9.02e-05	0.0	1.96e-06
72	75	0.01	0.39	-0.03	-1.51e-04	0.0	3.50e-06
72	98	0.01	7.87e-03	-0.03	0.0	0.0	0.0
72	103	0.01	0.08	-0.03	-3.00e-05	0.0	0.0
72	107	0.01	7.61e-03	-0.03	0.0	0.0	0.0
72	112	3.38	2.95	1.31e-03	-1.11e-03	0.0	-2.75e-04
72	114	-2.69	-0.92	-0.07	3.58e-04	0.0	2.20e-04
72	136	1.90	3.96	-0.04	-1.48e-03	0.0	-1.68e-04
72	144	3.81	3.33	5.36e-03	-1.25e-03	0.0	-3.10e-04
72	146	-3.03	-1.04	-0.08	4.04e-04	0.0	2.48e-04
72	168	2.15	4.46	-0.04	-1.67e-03	0.0	-1.90e-04
72	176	3.81	3.31	4.81e-03	-1.25e-03	0.0	-3.09e-04
72	178	-3.03	-1.04	-0.08	4.02e-04	0.0	2.46e-04
72	200	2.18	4.45	-0.04	-1.67e-03	0.0	-1.92e-04
72	208	4.47	3.87	0.01	-1.46e-03	0.0	-3.63e-04
72	210	-3.56	-1.22	-0.09	4.73e-04	0.0	2.88e-04
72	232	2.59	5.23	-0.05	-1.96e-03	0.0	-2.30e-04
73	4	0.02	0.41	-0.06	-1.34e-04	0.0	5.75e-06
73	18	0.02	0.68	-0.06	-2.25e-04	0.0	8.23e-06
73	52	0.02	0.01	-0.06	2.00e-06	0.0	1.72e-06
73	68	0.01	0.28	-0.05	-8.92e-05	0.0	3.89e-06
73	75	0.01	0.46	-0.04	-1.50e-04	0.0	5.55e-06
73	92	0.01	8.62e-03	-0.05	1.34e-06	0.0	1.21e-06
73	98	0.01	7.48e-03	-0.04	1.02e-06	0.0	0.0
73	103	9.63e-03	0.10	-0.04	-2.92e-05	0.0	1.85e-06
73	107	9.68e-03	7.26e-03	-0.04	0.0	0.0	0.0
73	112	3.83	3.43	-3.16e-03	-1.10e-03	0.0	-3.18e-04
73	114	-3.05	-1.08	-0.09	3.56e-04	0.0	2.56e-04

73	136	2.16	4.59	-0.05	-1.46e-03	0.0	-1.93e-04
73	144	4.32	3.86	1.51e-03	-1.24e-03	0.0	-3.58e-04
73	146	-3.44	-1.22	-0.10	4.01e-04	0.0	2.89e-04
73	168	2.44	5.18	-0.06	-1.65e-03	0.0	-2.18e-04
73	176	4.32	3.84	8.80e-04	-1.23e-03	0.0	-3.57e-04
73	178	-3.44	-1.21	-0.10	3.99e-04	0.0	2.87e-04
73	200	2.47	5.17	-0.05	-1.65e-03	0.0	-2.21e-04
73	208	5.08	4.50	7.74e-03	-1.44e-03	0.0	-4.19e-04
73	210	-4.04	-1.43	-0.11	4.70e-04	0.0	3.36e-04
73	232	2.94	6.07	-0.06	-1.94e-03	0.0	-2.65e-04
74	4	0.01	0.47	-0.09	-2.24e-05	0.0	9.29e-06
74	45	2.05e-03	-0.78	-0.04	1.61e-04	0.0	-6.28e-06
74	52	0.01	0.01	-0.09	6.03e-05	0.0	4.46e-06
74	68	8.86e-03	0.32	-0.07	-1.29e-05	0.0	6.35e-06
74	75	7.18e-03	0.52	-0.06	-5.48e-05	0.0	8.12e-06
74	92	9.25e-03	7.64e-03	-0.06	4.22e-05	0.0	3.12e-06
74	98	7.51e-03	6.70e-03	-0.06	3.46e-05	0.0	2.58e-06
74	103	6.91e-03	0.11	-0.06	1.45e-05	0.0	3.53e-06
74	107	7.03e-03	6.53e-03	-0.06	3.29e-05	0.0	2.45e-06
74	112	4.29	3.90	-0.01	-7.68e-04	0.0	-3.59e-04
74	114	-3.42	-1.23	-0.11	1.46e-04	0.0	2.93e-04
74	136	2.42	5.22	-0.07	-1.25e-03	0.0	-2.18e-04
74	144	4.83	4.39	-9.31e-03	-8.69e-04	0.0	-4.05e-04
74	146	-3.85	-1.39	-0.12	1.60e-04	0.0	3.29e-04
74	168	2.73	5.88	-0.07	-1.41e-03	0.0	-2.46e-04
74	176	4.83	4.37	-0.01	-8.49e-04	0.0	-4.04e-04
74	178	-3.85	-1.38	-0.12	1.47e-04	0.0	3.27e-04
74	200	2.77	5.88	-0.07	-1.40e-03	0.0	-2.50e-04
74	208	5.68	5.12	-2.22e-03	-9.90e-04	0.0	-4.75e-04
74	210	-4.53	-1.63	-0.13	1.61e-04	0.0	3.83e-04
74	232	3.29	6.90	-0.08	-1.64e-03	0.0	-2.99e-04
75	4	0.02	0.35	-0.05	-1.32e-04	0.0	4.16e-06
75	18	0.02	0.58	-0.05	-2.23e-04	0.0	6.35e-06
75	68	0.02	0.24	-0.04	-8.83e-05	0.0	2.80e-06
75	75	0.01	0.39	-0.04	-1.49e-04	0.0	4.26e-06
75	98	0.01	7.65e-03	-0.03	1.27e-06	0.0	0.0
75	103	0.01	0.08	-0.03	-2.88e-05	0.0	1.16e-06
75	107	0.01	7.40e-03	-0.03	1.17e-06	0.0	0.0
75	112	3.38	3.10	0.04	-1.16e-03	0.0	-2.75e-04
75	114	-2.69	-1.06	-0.13	4.12e-04	0.0	2.21e-04
75	136	1.91	4.02	-0.05	-1.50e-03	0.0	-1.67e-04
75	144	3.81	3.49	0.05	-1.31e-03	0.0	-3.10e-04
75	146	-3.03	-1.20	-0.14	4.64e-04	0.0	2.49e-04
75	168	2.15	4.53	-0.06	-1.69e-03	0.0	-1.89e-04
75	176	3.81	3.47	0.05	-1.30e-03	0.0	-3.09e-04
75	178	-3.03	-1.19	-0.14	4.62e-04	0.0	2.47e-04
75	200	2.18	4.52	-0.05	-1.69e-03	0.0	-1.92e-04
75	208	4.48	4.07	0.06	-1.53e-03	0.0	-3.63e-04
75	210	-3.56	-1.40	-0.16	5.43e-04	0.0	2.89e-04
75	232	2.59	5.31	-0.06	-1.99e-03	0.0	-2.30e-04
76	4	0.02	0.41	-0.06	-1.31e-04	0.0	6.40e-06
76	18	0.02	0.68	-0.06	-2.21e-04	0.0	8.86e-06
76	52	0.02	0.01	-0.06	4.10e-06	0.0	2.28e-06
76	68	0.01	0.27	-0.05	-8.71e-05	0.0	4.34e-06
76	75	0.01	0.45	-0.05	-1.47e-04	0.0	5.98e-06
76	92	0.01	7.72e-03	-0.05	2.81e-06	0.0	1.59e-06
76	98	0.01	6.73e-03	-0.04	2.23e-06	0.0	1.30e-06
76	103	0.01	0.10	-0.04	-2.79e-05	0.0	2.16e-06
76	107	0.01	6.55e-03	-0.04	2.08e-06	0.0	1.24e-06
76	112	3.83	3.60	0.04	-1.15e-03	0.0	-3.17e-04
76	114	-3.05	-1.24	-0.15	4.09e-04	0.0	2.56e-04
76	136	2.16	4.66	-0.07	-1.48e-03	0.0	-1.92e-04
76	144	4.32	4.05	0.05	-1.29e-03	0.0	-3.57e-04
76	146	-3.44	-1.40	-0.17	4.61e-04	0.0	2.89e-04
76	168	2.44	5.25	-0.07	-1.66e-03	0.0	-2.17e-04
76	176	4.32	4.03	0.05	-1.29e-03	0.0	-3.56e-04
76	178	-3.44	-1.39	-0.17	4.59e-04	0.0	2.87e-04
76	200	2.47	5.25	-0.07	-1.66e-03	0.0	-2.21e-04
76	208	5.08	4.72	0.07	-1.51e-03	0.0	-4.18e-04
76	210	-4.04	-1.64	-0.19	5.40e-04	0.0	3.36e-04
76	232	2.94	6.16	-0.07	-1.96e-03	0.0	-2.64e-04
77	4	0.01	0.47	-0.09	-2.14e-05	0.0	8.89e-06
77	45	2.01e-03	-0.78	-0.04	1.62e-04	0.0	-6.81e-06
77	52	0.01	8.24e-03	-0.09	6.09e-05	0.0	3.89e-06
77	68	9.08e-03	0.31	-0.07	-1.23e-05	0.0	6.05e-06

77	75	7.40e-03	0.52	-0.06	-5.41e-05	0.0	7.93e-06
77	92	9.42e-03	6.03e-03	-0.06	4.26e-05	0.0	2.72e-06
77	98	7.65e-03	5.37e-03	-0.06	3.49e-05	0.0	2.21e-06
77	103	7.05e-03	0.11	-0.06	1.49e-05	0.0	3.21e-06
77	107	7.16e-03	5.27e-03	-0.06	3.32e-05	0.0	2.10e-06
77	112	4.29	4.09	0.04	-8.11e-04	0.0	-3.60e-04
77	114	-3.42	-1.42	-0.18	1.74e-04	0.0	2.92e-04
77	136	2.42	5.29	-0.08	-1.29e-03	0.0	-2.18e-04
77	144	4.83	4.61	0.05	-9.17e-04	0.0	-4.06e-04
77	146	-3.85	-1.60	-0.20	1.92e-04	0.0	3.29e-04
77	168	2.73	5.96	-0.09	-1.45e-03	0.0	-2.47e-04
77	176	4.83	4.58	0.05	-8.95e-04	0.0	-4.04e-04
77	178	-3.85	-1.59	-0.20	1.77e-04	0.0	3.27e-04
77	200	2.77	5.96	-0.09	-1.44e-03	0.0	-2.50e-04
77	208	5.68	5.37	0.07	-1.04e-03	0.0	-4.75e-04
77	210	-4.53	-1.87	-0.22	1.96e-04	0.0	3.83e-04
77	232	3.29	7.00	-0.09	-1.69e-03	0.0	-2.99e-04
78	4	0.03	0.35	-0.07	-1.30e-04	0.0	4.56e-06
78	18	0.02	0.58	-0.06	-2.20e-04	0.0	6.70e-06
78	68	0.02	0.24	-0.05	-8.66e-05	0.0	3.08e-06
78	75	0.02	0.39	-0.05	-1.47e-04	0.0	4.51e-06
78	98	0.02	7.23e-03	-0.04	2.15e-06	0.0	0.0
78	103	0.01	0.08	-0.04	-2.78e-05	0.0	1.38e-06
78	107	0.01	7.00e-03	-0.04	2.00e-06	0.0	0.0
78	112	3.39	3.25	0.17	-1.21e-03	0.0	-2.75e-04
78	114	-2.69	-1.20	-0.32	4.61e-04	0.0	2.21e-04
78	136	1.91	4.08	-0.09	-1.51e-03	0.0	-1.67e-04
78	144	3.81	3.66	0.20	-1.36e-03	0.0	-3.10e-04
78	146	-3.03	-1.35	-0.35	5.19e-04	0.0	2.49e-04
78	168	2.15	4.59	-0.10	-1.70e-03	0.0	-1.89e-04
78	176	3.82	3.64	0.20	-1.35e-03	0.0	-3.08e-04
78	178	-3.03	-1.35	-0.35	5.17e-04	0.0	2.47e-04
78	200	2.19	4.59	-0.09	-1.70e-03	0.0	-1.92e-04
78	208	4.48	4.26	0.24	-1.59e-03	0.0	-3.62e-04
78	210	-3.56	-1.58	-0.40	6.07e-04	0.0	2.89e-04
78	232	2.60	5.40	-0.10	-2.00e-03	0.0	-2.29e-04
79	4	0.02	0.41	-0.07	-1.29e-04	0.0	6.69e-06
79	45	4.23e-03	-0.67	-0.03	2.29e-04	0.0	-5.95e-06
79	68	0.02	0.27	-0.05	-8.56e-05	0.0	4.54e-06
79	75	0.01	0.45	-0.05	-1.46e-04	0.0	6.17e-06
79	98	0.01	5.88e-03	-0.05	2.93e-06	0.0	1.45e-06
79	103	0.01	0.09	-0.05	-2.70e-05	0.0	2.30e-06
79	107	0.01	5.74e-03	-0.05	2.74e-06	0.0	1.38e-06
79	112	3.84	3.77	0.17	-1.19e-03	0.0	-3.16e-04
79	114	-3.05	-1.40	-0.33	4.58e-04	0.0	2.56e-04
79	136	2.16	4.72	-0.10	-1.49e-03	0.0	-1.92e-04
79	144	4.32	4.24	0.20	-1.34e-03	0.0	-3.57e-04
79	146	-3.44	-1.58	-0.37	5.16e-04	0.0	2.88e-04
79	168	2.44	5.32	-0.11	-1.68e-03	0.0	-2.17e-04
79	176	4.32	4.22	0.20	-1.34e-03	0.0	-3.55e-04
79	178	-3.44	-1.57	-0.37	5.14e-04	0.0	2.87e-04
79	200	2.48	5.32	-0.10	-1.68e-03	0.0	-2.20e-04
79	208	5.08	4.94	0.24	-1.57e-03	0.0	-4.17e-04
79	210	-4.04	-1.85	-0.42	6.04e-04	0.0	3.35e-04
79	232	2.94	6.26	-0.11	-1.97e-03	0.0	-2.63e-04
80	4	0.01	0.46	-0.09	-2.02e-05	0.0	8.30e-06
80	45	1.96e-03	-0.77	-0.04	1.62e-04	0.0	-7.16e-06
80	52	0.01	6.41e-03	-0.08	6.21e-05	0.0	3.28e-06
80	68	9.26e-03	0.31	-0.06	-1.14e-05	0.0	5.62e-06
80	85	3.01e-03	-0.51	-0.04	1.17e-04	0.0	-4.33e-06
80	92	9.56e-03	4.76e-03	-0.06	4.34e-05	0.0	2.28e-06
80	98	7.77e-03	4.36e-03	-0.05	3.56e-05	0.0	1.84e-06
80	103	7.18e-03	0.11	-0.05	1.55e-05	0.0	2.85e-06
80	107	7.28e-03	4.31e-03	-0.05	3.38e-05	0.0	1.74e-06
80	112	4.28	4.28	0.18	-8.51e-04	0.0	-3.60e-04
80	114	-3.42	-1.60	-0.36	2.01e-04	0.0	2.92e-04
80	136	2.42	5.36	-0.11	-1.32e-03	0.0	-2.18e-04
80	144	4.83	4.82	0.21	-9.62e-04	0.0	-4.06e-04
80	146	-3.85	-1.80	-0.40	2.23e-04	0.0	3.29e-04
80	168	2.73	6.04	-0.12	-1.49e-03	0.0	-2.47e-04
80	176	4.83	4.80	0.21	-9.39e-04	0.0	-4.04e-04
80	178	-3.85	-1.79	-0.39	2.06e-04	0.0	3.27e-04
80	200	2.76	6.04	-0.11	-1.48e-03	0.0	-2.51e-04
80	208	5.68	5.62	0.25	-1.10e-03	0.0	-4.75e-04
80	210	-4.53	-2.11	-0.45	2.29e-04	0.0	3.82e-04

80	232	3.29	7.10	-0.12	-1.73e-03	0.0	-3.00e-04
81	1	0.0	0.0	0.0	-1.35e-04	0.0	0.0
81	65	0.0	0.0	0.0	-9.04e-05	0.0	0.0
81	97	0.0	0.0	0.0	-2.17e-06	0.0	0.0
81	106	0.0	0.0	0.0	-2.17e-06	0.0	0.0
81	108	0.0	0.0	0.0	-1.44e-03	0.0	0.0
81	140	0.0	0.0	0.0	-1.62e-03	0.0	0.0
81	172	0.0	0.0	0.0	-1.60e-03	0.0	0.0
81	204	0.0	0.0	0.0	-1.87e-03	0.0	1.03e-06
82	4	0.02	0.07	-0.04	-1.36e-04	0.0	9.16e-06
82	18	0.01	0.12	-0.04	-2.24e-04	0.0	1.03e-05
82	28	0.02	-0.07	-0.04	1.31e-04	0.0	3.91e-06
82	68	0.01	0.05	-0.03	-9.07e-05	0.0	6.42e-06
82	75	7.39e-03	0.08	-0.03	-1.49e-04	0.0	7.19e-06
82	80	0.01	-0.05	-0.03	8.73e-05	0.0	2.92e-06
82	98	9.63e-03	1.58e-03	-0.02	-2.42e-06	0.0	4.08e-06
82	103	8.44e-03	0.02	-0.02	-3.17e-05	0.0	4.53e-06
82	107	8.96e-03	1.55e-03	-0.02	-2.37e-06	0.0	3.94e-06
82	108	0.53	0.76	-0.14	-1.43e-03	0.0	1.08e-05
82	112	0.66	0.79	-0.14	-1.48e-03	0.0	1.29e-05
82	136	0.38	0.92	-0.08	-1.73e-03	0.0	5.50e-05
82	140	0.60	0.85	-0.16	-1.61e-03	0.0	1.16e-05
82	144	0.75	0.89	-0.15	-1.67e-03	0.0	1.40e-05
82	168	0.43	1.04	-0.09	-1.95e-03	0.0	6.11e-05
82	172	0.60	0.84	-0.16	-1.59e-03	0.0	1.16e-05
82	176	0.75	0.88	-0.15	-1.66e-03	0.0	1.38e-05
82	200	0.44	1.04	-0.09	-1.96e-03	0.0	5.89e-05
82	204	0.70	0.99	-0.18	-1.86e-03	0.0	1.29e-05
82	208	0.88	1.03	-0.18	-1.95e-03	0.0	1.53e-05
82	232	0.52	1.22	-0.11	-2.30e-03	0.0	6.76e-05
83	4	0.02	0.07	-0.04	-1.30e-04	0.0	9.11e-06
83	28	0.02	-0.07	-0.04	1.34e-04	0.0	3.76e-06
83	44	0.02	-0.12	-0.03	2.23e-04	0.0	1.39e-06
83	68	0.01	0.05	-0.03	-8.68e-05	0.0	6.38e-06
83	80	0.01	-0.05	-0.03	8.93e-05	0.0	2.82e-06
83	88	0.01	-0.08	-0.02	1.49e-04	0.0	1.24e-06
83	98	9.64e-03	-1.52e-04	-0.02	0.0	0.0	4.03e-06
83	105	9.44e-03	-0.02	-0.02	2.98e-05	0.0	3.30e-06
83	107	8.97e-03	-1.24e-04	-0.02	0.0	0.0	3.89e-06
83	112	0.66	0.78	-0.02	-1.48e-03	0.0	1.39e-05
83	134	0.06	0.56	-0.04	-1.06e-03	0.0	6.12e-05
83	139	-0.37	-0.90	-4.25e-03	1.71e-03	0.0	-4.79e-05
83	144	0.75	0.88	-0.02	-1.67e-03	0.0	1.51e-05
83	166	0.06	0.63	-0.04	-1.19e-03	0.0	6.81e-05
83	171	-0.41	-1.02	-2.14e-03	1.92e-03	0.0	-5.41e-05
83	176	0.75	0.88	-0.02	-1.66e-03	0.0	1.49e-05
83	198	0.06	0.63	-0.04	-1.19e-03	0.0	6.59e-05
83	203	-0.42	-1.02	-2.17e-03	1.93e-03	0.0	-5.19e-05
83	208	0.88	1.03	-0.02	-1.95e-03	0.0	1.67e-05
83	230	0.07	0.74	-0.05	-1.39e-03	0.0	7.60e-05
83	235	-0.50	-1.20	9.85e-04	2.27e-03	0.0	-6.08e-05
84	1	0.0	0.0	0.0	-1.31e-04	0.0	0.0
84	65	0.0	0.0	0.0	-8.72e-05	0.0	0.0
84	97	0.0	0.0	0.0	0.0	0.0	0.0
84	106	0.0	0.0	0.0	0.0	0.0	0.0
84	108	0.0	0.0	0.0	-1.43e-03	0.0	0.0
84	140	0.0	0.0	0.0	-1.61e-03	0.0	1.04e-06
84	172	0.0	0.0	0.0	-1.60e-03	0.0	1.05e-06
84	204	0.0	0.0	0.0	-1.87e-03	0.0	1.14e-06
85	4	0.03	0.14	-0.08	-1.35e-04	0.0	1.73e-05
85	18	0.02	0.24	-0.07	-2.23e-04	0.0	1.90e-05
85	28	0.03	-0.14	-0.07	1.32e-04	0.0	8.42e-06
85	68	0.02	0.10	-0.05	-9.02e-05	0.0	1.21e-05
85	75	0.01	0.16	-0.05	-1.49e-04	0.0	1.33e-05
85	80	0.02	-0.09	-0.05	8.75e-05	0.0	6.22e-06
85	98	0.02	3.20e-03	-0.04	-2.11e-06	0.0	7.98e-06
85	103	0.01	0.03	-0.04	-3.14e-05	0.0	8.71e-06
85	107	0.01	3.13e-03	-0.04	-2.09e-06	0.0	7.70e-06
85	108	1.12	1.50	-0.24	-1.40e-03	0.0	5.44e-06
85	112	1.40	1.56	-0.23	-1.45e-03	0.0	9.34e-06
85	136	0.80	1.83	-0.14	-1.70e-03	0.0	9.52e-05
85	140	1.27	1.69	-0.26	-1.58e-03	0.0	5.12e-06
85	144	1.57	1.76	-0.25	-1.63e-03	0.0	9.42e-06
85	168	0.90	2.06	-0.15	-1.91e-03	0.0	1.06e-04
85	172	1.26	1.67	-0.26	-1.56e-03	0.0	4.87e-06

85	176	1.57	1.75	-0.25	-1.63e-03	0.0	8.50e-06
85	200	0.91	2.06	-0.16	-1.92e-03	0.0	1.01e-04
85	204	1.48	1.95	-0.30	-1.82e-03	0.0	4.19e-06
85	208	1.85	2.05	-0.29	-1.91e-03	0.0	8.25e-06
85	232	1.08	2.43	-0.18	-2.26e-03	0.0	1.16e-04
86	4	0.03	0.14	-0.07	-1.31e-04	0.0	1.74e-05
86	28	0.03	-0.14	-0.07	1.34e-04	0.0	8.47e-06
86	44	0.03	-0.23	-0.06	2.23e-04	0.0	4.30e-06
86	68	0.02	0.09	-0.05	-8.74e-05	0.0	1.22e-05
86	80	0.02	-0.09	-0.05	8.90e-05	0.0	6.26e-06
86	88	0.02	-0.16	-0.04	1.48e-04	0.0	3.48e-06
86	98	0.02	-1.43e-04	-0.04	0.0	0.0	8.03e-06
86	105	0.02	-0.03	-0.04	2.94e-05	0.0	6.78e-06
86	106	8.01e-03	2.04e-04	-0.03	0.0	0.0	6.05e-06
86	107	0.01	-9.37e-05	-0.04	0.0	0.0	7.75e-06
86	112	1.40	1.56	-0.04	-1.46e-03	0.0	1.01e-05
86	134	0.11	1.11	-0.08	-1.05e-03	0.0	1.16e-04
86	139	-0.77	-1.79	-8.57e-03	1.69e-03	0.0	-8.05e-05
86	144	1.57	1.75	-0.04	-1.65e-03	0.0	1.02e-05
86	166	0.12	1.25	-0.09	-1.18e-03	0.0	1.29e-04
86	171	-0.87	-2.02	-4.56e-03	1.90e-03	0.0	-9.10e-05
86	176	1.57	1.75	-0.04	-1.64e-03	0.0	9.33e-06
86	198	0.12	1.25	-0.09	-1.17e-03	0.0	1.25e-04
86	203	-0.88	-2.03	-4.75e-03	1.90e-03	0.0	-8.66e-05
86	208	1.85	2.05	-0.04	-1.92e-03	0.0	9.22e-06
86	234	0.19	1.43	-0.09	-1.34e-03	0.0	1.49e-04
86	235	-1.05	-2.39	1.16e-03	2.24e-03	0.0	-1.01e-04
87	4	0.04	0.21	-0.12	-1.33e-04	0.0	2.21e-05
87	18	0.03	0.35	-0.11	-2.21e-04	0.0	2.43e-05
87	28	0.04	-0.21	-0.11	1.33e-04	0.0	1.10e-05
87	68	0.02	0.14	-0.08	-8.90e-05	0.0	1.55e-05
87	75	0.02	0.24	-0.08	-1.48e-04	0.0	1.70e-05
87	80	0.03	-0.14	-0.07	8.84e-05	0.0	8.13e-06
87	98	0.02	4.38e-03	-0.07	-1.23e-06	0.0	1.03e-05
87	103	0.02	0.05	-0.06	-3.05e-05	0.0	1.12e-05
87	107	0.02	4.30e-03	-0.06	-1.24e-06	0.0	9.92e-06
87	108	1.74	2.23	-0.29	-1.36e-03	0.0	-2.31e-05
87	112	2.17	2.31	-0.28	-1.41e-03	0.0	-1.91e-05
87	136	1.23	2.71	-0.18	-1.65e-03	0.0	1.09e-04
87	140	1.96	2.51	-0.32	-1.53e-03	0.0	-2.74e-05
87	144	2.44	2.60	-0.30	-1.59e-03	0.0	-2.29e-05
87	168	1.39	3.05	-0.19	-1.86e-03	0.0	1.21e-04
87	172	1.96	2.48	-0.32	-1.52e-03	0.0	-2.77e-05
87	176	2.44	2.59	-0.31	-1.58e-03	0.0	-2.43e-05
87	200	1.41	3.06	-0.20	-1.86e-03	0.0	1.15e-04
87	204	2.30	2.90	-0.36	-1.77e-03	0.0	-3.45e-05
87	208	2.87	3.04	-0.35	-1.85e-03	0.0	-3.09e-05
87	232	1.67	3.60	-0.22	-2.19e-03	0.0	1.30e-04
88	4	0.04	0.21	-0.11	-1.32e-04	0.0	2.23e-05
88	28	0.04	-0.21	-0.10	1.33e-04	0.0	1.12e-05
88	47	0.02	-0.35	-0.06	2.23e-04	0.0	2.31e-06
88	68	0.02	0.14	-0.08	-8.81e-05	0.0	1.57e-05
88	80	0.03	-0.14	-0.07	8.86e-05	0.0	8.25e-06
88	87	0.02	-0.23	-0.06	1.48e-04	0.0	4.40e-06
88	98	0.02	1.04e-04	-0.06	0.0	0.0	1.04e-05
88	105	0.02	-0.05	-0.06	2.90e-05	0.0	8.83e-06
88	106	0.01	5.52e-04	-0.04	0.0	0.0	7.86e-06
88	107	0.02	1.68e-04	-0.06	0.0	0.0	1.00e-05
88	112	2.17	2.32	-0.05	-1.44e-03	0.0	-1.88e-05
88	136	1.23	2.67	-0.12	-1.65e-03	0.0	1.10e-04
88	144	2.45	2.62	-0.05	-1.62e-03	0.0	-2.26e-05
88	168	1.39	3.01	-0.13	-1.86e-03	0.0	1.21e-04
88	176	2.45	2.60	-0.05	-1.61e-03	0.0	-2.40e-05
88	200	1.41	3.02	-0.13	-1.87e-03	0.0	1.15e-04
88	208	2.87	3.05	-0.05	-1.89e-03	0.0	-3.06e-05
88	232	1.67	3.56	-0.14	-2.20e-03	0.0	1.31e-04
89	4	0.04	0.28	-0.16	-1.31e-04	0.0	2.18e-05
89	18	0.04	0.47	-0.15	-2.19e-04	0.0	2.46e-05
89	68	0.03	0.19	-0.11	-8.77e-05	0.0	1.53e-05
89	75	0.02	0.31	-0.11	-1.46e-04	0.0	1.72e-05
89	98	0.02	4.69e-03	-0.09	0.0	0.0	9.75e-06
89	103	0.02	0.07	-0.09	-2.94e-05	0.0	1.09e-05
89	107	0.02	4.63e-03	-0.09	0.0	0.0	9.43e-06
89	108	2.40	2.93	-0.30	-1.31e-03	0.0	-7.22e-05
89	112	2.99	3.04	-0.29	-1.35e-03	0.0	-6.97e-05

89	136	1.69	3.56	-0.20	-1.58e-03	0.0	9.91e-05
89	140	2.70	3.30	-0.33	-1.48e-03	0.0	-8.26e-05
89	144	3.36	3.42	-0.31	-1.52e-03	0.0	-8.00e-05
89	168	1.90	4.01	-0.22	-1.78e-03	0.0	1.10e-04
89	172	2.70	3.26	-0.33	-1.46e-03	0.0	-8.27e-05
89	176	3.36	3.40	-0.31	-1.52e-03	0.0	-8.15e-05
89	200	1.93	4.02	-0.22	-1.79e-03	0.0	1.02e-04
89	204	3.17	3.81	-0.37	-1.71e-03	0.0	-9.89e-05
89	208	3.95	3.99	-0.35	-1.78e-03	0.0	-9.81e-05
89	232	2.29	4.73	-0.25	-2.11e-03	0.0	1.15e-04
90	4	0.04	0.28	-0.15	-1.33e-04	0.0	2.20e-05
90	47	0.02	-0.47	-0.08	2.22e-04	0.0	0.0
90	68	0.03	0.18	-0.10	-8.88e-05	0.0	1.54e-05
90	87	0.02	-0.31	-0.08	1.48e-04	0.0	3.27e-06
90	98	0.02	6.41e-04	-0.08	-1.26e-06	0.0	9.85e-06
90	102	0.01	0.06	-0.06	-3.05e-05	0.0	9.02e-06
90	106	0.01	1.13e-03	-0.06	-1.30e-06	0.0	7.60e-06
90	107	0.02	7.11e-04	-0.08	-1.26e-06	0.0	9.53e-06
90	112	2.97	3.07	-0.14	-1.41e-03	0.0	-7.22e-05
90	136	1.68	3.53	-0.16	-1.61e-03	0.0	9.66e-05
90	144	3.34	3.46	-0.15	-1.58e-03	0.0	-8.28e-05
90	168	1.89	3.98	-0.17	-1.82e-03	0.0	1.07e-04
90	176	3.34	3.44	-0.14	-1.58e-03	0.0	-8.42e-05
90	200	1.92	3.99	-0.17	-1.82e-03	0.0	9.97e-05
90	208	3.93	4.03	-0.15	-1.85e-03	0.0	-1.01e-04
90	232	2.28	4.70	-0.19	-2.15e-03	0.0	1.12e-04
91	4	0.02	0.06	-0.06	-1.24e-04	0.0	8.72e-06
91	28	0.02	-0.07	-0.06	1.37e-04	0.0	3.03e-06
91	44	0.02	-0.12	-0.05	2.24e-04	0.0	0.0
91	68	0.01	0.04	-0.04	-8.24e-05	0.0	6.11e-06
91	80	0.01	-0.05	-0.04	9.16e-05	0.0	2.31e-06
91	88	0.01	-0.08	-0.04	1.50e-04	0.0	0.0
91	98	9.62e-03	-1.84e-03	-0.04	3.07e-06	0.0	3.70e-06
91	105	9.43e-03	-0.02	-0.04	3.22e-05	0.0	2.96e-06
91	107	8.95e-03	-1.76e-03	-0.04	2.92e-06	0.0	3.58e-06
91	112	0.66	0.78	-0.03	-1.48e-03	0.0	1.59e-05
91	134	0.06	0.54	-0.07	-1.02e-03	0.0	6.17e-05
91	139	-0.37	-0.88	-0.01	1.68e-03	0.0	-5.05e-05
91	144	0.75	0.87	-0.02	-1.67e-03	0.0	1.75e-05
91	166	0.06	0.61	-0.07	-1.15e-03	0.0	6.88e-05
91	171	-0.41	-1.00	-9.74e-03	1.89e-03	0.0	-5.71e-05
91	176	0.75	0.87	-0.03	-1.66e-03	0.0	1.75e-05
91	198	0.06	0.60	-0.07	-1.15e-03	0.0	6.64e-05
91	203	-0.42	-1.00	-9.69e-03	1.90e-03	0.0	-5.49e-05
91	208	0.88	1.02	-0.02	-1.95e-03	0.0	1.99e-05
91	230	0.07	0.71	-0.08	-1.34e-03	0.0	7.66e-05
91	235	-0.50	-1.18	-5.43e-03	2.24e-03	0.0	-6.44e-05
92	1	0.0	0.0	0.0	-1.26e-04	0.0	0.0
92	65	0.0	0.0	0.0	-8.35e-05	0.0	0.0
92	97	0.0	0.0	0.0	2.21e-06	0.0	0.0
92	106	0.0	0.0	0.0	2.21e-06	0.0	0.0
92	108	0.0	0.0	0.0	-1.43e-03	0.0	1.10e-06
92	140	0.0	0.0	0.0	-1.61e-03	0.0	1.18e-06
92	172	0.0	0.0	0.0	-1.59e-03	0.0	1.19e-06
92	204	0.0	0.0	0.0	-1.86e-03	0.0	1.32e-06
93	4	0.03	0.13	-0.11	-1.26e-04	0.0	1.77e-05
93	28	0.03	-0.14	-0.10	1.36e-04	0.0	8.65e-06
93	44	0.03	-0.24	-0.09	2.24e-04	0.0	4.39e-06
93	68	0.02	0.09	-0.07	-8.40e-05	0.0	1.24e-05
93	80	0.02	-0.10	-0.07	9.09e-05	0.0	6.39e-06
93	88	0.02	-0.16	-0.06	1.49e-04	0.0	3.55e-06
93	98	0.02	-3.53e-03	-0.06	2.03e-06	0.0	8.19e-06
93	105	0.02	-0.03	-0.06	3.14e-05	0.0	6.91e-06
93	107	0.01	-3.36e-03	-0.06	1.91e-06	0.0	7.90e-06
93	112	1.40	1.55	-0.04	-1.48e-03	0.0	1.17e-05
93	134	0.11	1.07	-0.12	-1.02e-03	0.0	1.17e-04
93	139	-0.77	-1.77	-0.02	1.68e-03	0.0	-8.20e-05
93	144	1.57	1.75	-0.03	-1.67e-03	0.0	1.20e-05
93	166	0.12	1.21	-0.13	-1.14e-03	0.0	1.30e-04
93	171	-0.87	-1.99	-0.01	1.89e-03	0.0	-9.28e-05
93	176	1.57	1.74	-0.03	-1.66e-03	0.0	1.11e-05
93	198	0.12	1.21	-0.13	-1.14e-03	0.0	1.26e-04
93	203	-0.88	-2.00	-0.01	1.89e-03	0.0	-8.83e-05
93	208	1.85	2.04	-0.03	-1.95e-03	0.0	1.12e-05
93	230	0.14	1.41	-0.14	-1.34e-03	0.0	1.45e-04

93	235	-1.05	-2.35	-2.37e-03	2.23e-03	0.0	-1.03e-04
94	4	0.04	0.20	-0.14	-1.30e-04	0.0	2.30e-05
94	28	0.04	-0.22	-0.14	1.33e-04	0.0	1.19e-05
94	44	0.03	-0.35	-0.12	2.22e-04	0.0	6.55e-06
94	68	0.02	0.13	-0.10	-8.69e-05	0.0	1.62e-05
94	80	0.03	-0.14	-0.10	8.88e-05	0.0	8.74e-06
94	88	0.02	-0.24	-0.09	1.48e-04	0.0	5.19e-06
94	98	0.02	-4.30e-03	-0.08	0.0	0.0	1.08e-05
94	105	0.02	-0.05	-0.08	2.95e-05	0.0	9.22e-06
94	107	0.02	-4.08e-03	-0.08	0.0	0.0	1.04e-05
94	112	2.17	2.33	-0.04	-1.48e-03	0.0	-1.83e-05
94	134	0.15	1.60	-0.18	-1.01e-03	0.0	1.54e-04
94	139	-1.20	-2.65	-0.02	1.66e-03	0.0	-8.97e-05
94	144	2.45	2.63	-0.04	-1.66e-03	0.0	-2.22e-05
94	166	0.17	1.81	-0.19	-1.14e-03	0.0	1.72e-04
94	171	-1.35	-2.98	-7.98e-03	1.87e-03	0.0	-1.02e-04
94	176	2.45	2.62	-0.04	-1.66e-03	0.0	-2.36e-05
94	198	0.17	1.80	-0.19	-1.13e-03	0.0	1.66e-04
94	203	-1.37	-2.99	-8.18e-03	1.88e-03	0.0	-9.54e-05
94	208	2.88	3.07	-0.03	-1.94e-03	0.0	-3.02e-05
94	230	0.20	2.11	-0.20	-1.33e-03	0.0	1.92e-04
94	235	-1.64	-3.52	3.58e-03	2.22e-03	0.0	-1.11e-04
95	4	0.04	0.27	-0.18	-1.35e-04	0.0	2.28e-05
95	44	0.03	-0.47	-0.15	2.19e-04	0.0	4.99e-06
95	68	0.03	0.18	-0.13	-9.03e-05	0.0	1.60e-05
95	88	0.02	-0.31	-0.11	1.46e-04	0.0	4.14e-06
95	98	0.02	-3.52e-03	-0.11	-2.70e-06	0.0	1.03e-05
95	105	0.02	-0.07	-0.10	2.71e-05	0.0	8.68e-06
95	107	0.02	-3.31e-03	-0.10	-2.64e-06	0.0	1.00e-05
95	112	2.96	3.10	-0.05	-1.47e-03	0.0	-7.51e-05
95	134	0.20	2.13	-0.23	-9.99e-04	0.0	1.72e-04
95	139	-1.63	-3.51	-0.02	1.64e-03	0.0	-7.38e-05
95	144	3.33	3.50	-0.04	-1.65e-03	0.0	-8.61e-05
95	166	0.22	2.40	-0.25	-1.12e-03	0.0	1.92e-04
95	171	-1.84	-3.96	-5.06e-03	1.85e-03	0.0	-8.35e-05
95	176	3.33	3.48	-0.05	-1.65e-03	0.0	-8.75e-05
95	198	0.23	2.40	-0.24	-1.12e-03	0.0	1.86e-04
95	203	-1.87	-3.97	-5.39e-03	1.86e-03	0.0	-7.66e-05
95	208	3.91	4.08	-0.04	-1.93e-03	0.0	-1.05e-04
95	230	0.26	2.81	-0.27	-1.31e-03	0.0	2.15e-04
95	235	-2.22	-4.68	0.01	2.19e-03	0.0	-8.81e-05
96	28	0.02	-0.07	-0.07	0.0	2.67e-05	1.52e-05
96	44	0.02	-0.12	-0.07	0.0	2.32e-05	1.50e-05
96	80	0.01	-0.05	-0.05	0.0	1.83e-05	1.04e-05
96	88	0.01	-0.08	-0.05	0.0	1.59e-05	1.03e-05
96	98	9.68e-03	-3.08e-03	-0.04	0.0	1.40e-05	7.00e-06
96	105	9.49e-03	-0.02	-0.04	0.0	1.33e-05	7.17e-06
96	107	9.01e-03	-2.95e-03	-0.04	0.0	1.30e-05	6.55e-06
96	111	-0.52	-0.75	-0.17	0.0	-1.05e-03	1.62e-04
96	112	0.66	0.77	0.09	0.0	1.34e-03	-1.47e-04
96	139	-0.37	-0.86	-0.10	0.0	-7.39e-04	9.03e-05
96	143	-0.58	-0.84	-0.18	0.0	-1.19e-03	1.82e-04
96	144	0.75	0.86	0.11	0.0	1.51e-03	-1.66e-04
96	171	-0.41	-0.97	-0.11	0.0	-8.36e-04	1.01e-04
96	175	-0.58	-0.83	-0.18	0.0	-1.19e-03	1.82e-04
96	176	0.75	0.86	0.11	0.0	1.51e-03	-1.67e-04
96	203	-0.42	-0.98	-0.12	0.0	-8.48e-04	1.04e-04
96	207	-0.69	-0.97	-0.21	0.0	-1.40e-03	2.14e-04
96	208	0.88	1.01	0.13	0.0	1.77e-03	-1.99e-04
96	235	-0.50	-1.15	-0.13	0.0	-1.01e-03	1.24e-04
97	1	0.0	0.0	0.0	0.0	8.41e-06	0.0
97	65	0.0	0.0	0.0	0.0	6.13e-06	0.0
97	97	0.0	0.0	0.0	0.0	8.18e-06	0.0
97	106	0.0	0.0	0.0	0.0	8.18e-06	0.0
97	108	0.0	0.0	0.0	0.0	1.04e-03	-8.33e-06
97	140	0.0	0.0	0.0	0.0	1.17e-03	-9.46e-06
97	172	0.0	0.0	0.0	0.0	1.17e-03	-9.49e-06
97	204	0.0	0.0	0.0	0.0	1.37e-03	-1.13e-05
98	28	0.03	-0.15	-0.12	0.0	1.72e-05	1.98e-05
98	44	0.03	-0.24	-0.11	0.0	1.34e-05	1.85e-05
98	80	0.02	-0.10	-0.08	0.0	1.18e-05	1.36e-05
98	88	0.02	-0.16	-0.08	0.0	9.29e-06	1.27e-05
98	98	0.02	-7.11e-03	-0.07	0.0	1.01e-05	9.75e-06
98	105	0.02	-0.04	-0.06	0.0	9.19e-06	9.63e-06
98	107	0.01	-6.81e-03	-0.06	0.0	9.45e-06	9.11e-06

98	111	-1.09	-1.51	-0.29	0.0	-1.13e-03	1.86e-04
98	112	1.40	1.55	0.15	0.0	1.43e-03	-2.07e-04
98	139	-0.77	-1.74	-0.18	0.0	-7.84e-04	1.30e-04
98	143	-1.23	-1.70	-0.32	0.0	-1.27e-03	2.08e-04
98	144	1.57	1.75	0.18	0.0	1.61e-03	-2.35e-04
98	171	-0.87	-1.96	-0.19	0.0	-8.87e-04	1.45e-04
98	175	-1.23	-1.68	-0.32	0.0	-1.27e-03	2.08e-04
98	176	1.57	1.74	0.18	0.0	1.61e-03	-2.36e-04
98	203	-0.88	-1.97	-0.20	0.0	-9.00e-04	1.49e-04
98	207	-1.45	-1.97	-0.36	0.0	-1.50e-03	2.43e-04
98	208	1.85	2.04	0.23	0.0	1.89e-03	-2.79e-04
98	235	-1.05	-2.32	-0.22	0.0	-1.07e-03	1.77e-04
99	28	0.04	-0.22	-0.17	0.0	8.64e-06	2.28e-05
99	44	0.03	-0.36	-0.15	0.0	5.42e-06	2.00e-05
99	80	0.03	-0.15	-0.12	0.0	6.10e-06	1.58e-05
99	88	0.02	-0.24	-0.11	0.0	3.95e-06	1.38e-05
99	98	0.02	-9.19e-03	-0.09	0.0	6.36e-06	1.24e-05
99	105	0.02	-0.05	-0.09	0.0	5.46e-06	1.18e-05
99	107	0.02	-8.79e-03	-0.09	0.0	6.02e-06	1.16e-05
99	111	-1.71	-2.28	-0.37	0.0	-1.15e-03	1.84e-04
99	112	2.18	2.34	0.19	0.0	1.44e-03	-2.00e-04
99	139	-1.20	-2.62	-0.23	0.0	-7.95e-04	1.34e-04
99	143	-1.93	-2.57	-0.41	0.0	-1.29e-03	2.06e-04
99	144	2.45	2.64	0.22	0.0	1.62e-03	-2.27e-04
99	171	-1.35	-2.95	-0.25	0.0	-8.99e-04	1.50e-04
99	175	-1.93	-2.54	-0.41	0.0	-1.29e-03	2.04e-04
99	176	2.45	2.63	0.22	0.0	1.62e-03	-2.25e-04
99	203	-1.37	-2.96	-0.25	0.0	-9.12e-04	1.52e-04
99	207	-2.27	-2.97	-0.47	0.0	-1.52e-03	2.36e-04
99	208	2.88	3.08	0.28	0.0	1.91e-03	-2.66e-04
99	235	-1.64	-3.49	-0.29	0.0	-1.09e-03	1.79e-04
100	4	0.04	0.26	-0.20	0.0	3.21e-06	2.92e-05
100	28	0.04	-0.29	-0.22	0.0	0.0	2.68e-05
100	44	0.03	-0.47	-0.19	0.0	-2.08e-06	2.22e-05
100	68	0.03	0.17	-0.14	0.0	2.32e-06	2.03e-05
100	80	0.03	-0.19	-0.15	0.0	0.0	1.87e-05
100	88	0.02	-0.32	-0.14	0.0	-1.20e-06	1.57e-05
100	98	0.02	-8.31e-03	-0.12	0.0	1.16e-06	1.59e-05
100	105	0.02	-0.07	-0.12	0.0	0.0	1.49e-05
100	107	0.02	-7.94e-03	-0.12	0.0	1.20e-06	1.51e-05
100	111	-2.33	-3.05	-0.43	0.0	-1.01e-03	1.62e-04
100	112	2.95	3.14	0.20	0.0	1.26e-03	-1.73e-04
100	139	-1.62	-3.50	-0.28	0.0	-7.04e-04	1.31e-04
100	143	-2.63	-3.44	-0.47	0.0	-1.14e-03	1.80e-04
100	144	3.32	3.54	0.24	0.0	1.42e-03	-1.97e-04
100	171	-1.84	-3.94	-0.31	0.0	-7.95e-04	1.45e-04
100	175	-2.63	-3.40	-0.47	0.0	-1.14e-03	1.73e-04
100	176	3.33	3.52	0.24	0.0	1.42e-03	-1.89e-04
100	203	-1.86	-3.96	-0.31	0.0	-8.07e-04	1.43e-04
100	207	-3.09	-3.98	-0.54	0.0	-1.34e-03	1.97e-04
100	208	3.91	4.13	0.30	0.0	1.67e-03	-2.21e-04
100	235	-2.22	-4.66	-0.35	0.0	-9.60e-04	1.65e-04
101	4	0.04	0.34	-0.18	-1.30e-04	0.0	1.75e-05
101	45	7.39e-03	-0.57	-0.06	2.24e-04	0.0	-4.93e-06
101	68	0.03	0.23	-0.13	-8.69e-05	0.0	1.23e-05
101	75	0.02	0.38	-0.12	-1.46e-04	0.0	1.46e-05
101	98	0.02	4.18e-03	-0.11	0.0	0.0	6.97e-06
101	103	0.02	0.08	-0.10	-2.88e-05	0.0	8.24e-06
101	107	0.02	4.16e-03	-0.10	0.0	0.0	6.77e-06
101	108	2.73	3.48	-0.30	-1.27e-03	0.0	-1.43e-04
101	112	3.40	3.60	-0.29	-1.31e-03	0.0	-1.44e-04
101	136	1.92	4.23	-0.21	-1.53e-03	0.0	5.94e-05
101	140	3.07	3.92	-0.33	-1.44e-03	0.0	-1.62e-04
101	144	3.82	4.06	-0.32	-1.48e-03	0.0	-1.64e-04
101	168	2.16	4.76	-0.23	-1.73e-03	0.0	6.53e-05
101	172	3.07	3.88	-0.33	-1.42e-03	0.0	-1.61e-04
101	176	3.83	4.04	-0.32	-1.47e-03	0.0	-1.64e-04
101	200	2.19	4.77	-0.23	-1.73e-03	0.0	5.92e-05
101	204	3.61	4.53	-0.37	-1.66e-03	0.0	-1.90e-04
101	208	4.49	4.74	-0.36	-1.73e-03	0.0	-1.95e-04
101	232	2.60	5.62	-0.26	-2.04e-03	0.0	6.45e-05
102	4	0.04	0.33	-0.18	-1.34e-04	0.0	1.76e-05
102	47	0.02	-0.56	-0.10	2.22e-04	0.0	-2.72e-06
102	68	0.03	0.22	-0.13	-8.93e-05	0.0	1.24e-05
102	87	0.02	-0.38	-0.09	1.48e-04	0.0	0.0

102	98	0.02	1.27e-03	-0.10	-1.61e-06	0.0	7.04e-06
102	102	0.01	0.08	-0.07	-3.08e-05	0.0	7.09e-06
102	106	0.01	1.76e-03	-0.07	-1.61e-06	0.0	5.60e-06
102	107	0.02	1.34e-03	-0.10	-1.61e-06	0.0	6.84e-06
102	112	3.40	3.67	-0.17	-1.38e-03	0.0	-1.43e-04
102	136	1.92	4.22	-0.20	-1.58e-03	0.0	6.02e-05
102	144	3.83	4.14	-0.18	-1.56e-03	0.0	-1.63e-04
102	168	2.17	4.76	-0.21	-1.79e-03	0.0	6.62e-05
102	176	3.83	4.12	-0.18	-1.55e-03	0.0	-1.63e-04
102	200	2.20	4.77	-0.21	-1.79e-03	0.0	6.00e-05
102	208	4.50	4.83	-0.19	-1.82e-03	0.0	-1.94e-04
102	232	2.61	5.62	-0.23	-2.11e-03	0.0	6.55e-05
103	4	0.03	0.40	-0.22	-1.30e-04	0.0	1.21e-05
103	47	0.02	-0.66	-0.12	2.25e-04	0.0	-6.41e-06
103	68	0.02	0.26	-0.15	-8.68e-05	0.0	8.35e-06
103	87	0.02	-0.44	-0.11	1.50e-04	0.0	-3.25e-06
103	98	0.02	3.58e-03	-0.12	0.0	0.0	3.54e-06
103	102	0.01	0.09	-0.09	-2.90e-05	0.0	4.30e-06
103	106	0.01	3.74e-03	-0.09	0.0	0.0	2.84e-06
103	107	0.02	3.60e-03	-0.12	0.0	0.0	3.44e-06
103	108	3.09	4.02	-0.32	-1.25e-03	0.0	-2.19e-04
103	112	3.84	4.16	-0.31	-1.29e-03	0.0	-2.22e-04
103	136	2.17	4.88	-0.23	-1.51e-03	0.0	2.86e-05
103	140	3.47	4.53	-0.35	-1.41e-03	0.0	-2.47e-04
103	144	4.33	4.69	-0.33	-1.45e-03	0.0	-2.51e-04
103	168	2.45	5.50	-0.25	-1.70e-03	0.0	3.14e-05
103	172	3.47	4.48	-0.35	-1.40e-03	0.0	-2.46e-04
103	176	4.33	4.66	-0.34	-1.45e-03	0.0	-2.51e-04
103	200	2.48	5.51	-0.25	-1.70e-03	0.0	2.71e-05
103	204	4.08	5.24	-0.39	-1.64e-03	0.0	-2.89e-04
103	208	5.09	5.47	-0.37	-1.70e-03	0.0	-2.95e-04
103	232	2.95	6.48	-0.28	-2.01e-03	0.0	2.82e-05
104	4	0.03	0.39	-0.23	-1.34e-04	0.0	1.18e-05
104	47	0.02	-0.66	-0.13	2.22e-04	0.0	-6.69e-06
104	68	0.02	0.26	-0.16	-8.97e-05	0.0	8.16e-06
104	87	0.02	-0.44	-0.12	1.48e-04	0.0	-3.46e-06
104	98	0.02	2.03e-03	-0.13	-1.88e-06	0.0	3.37e-06
104	102	0.01	0.09	-0.09	-3.11e-05	0.0	4.26e-06
104	106	0.01	2.52e-03	-0.09	-1.86e-06	0.0	2.79e-06
104	107	0.02	2.10e-03	-0.12	-1.88e-06	0.0	3.29e-06
104	112	3.84	4.26	-0.21	-1.36e-03	0.0	-2.21e-04
104	136	2.17	4.90	-0.24	-1.56e-03	0.0	2.97e-05
104	144	4.33	4.80	-0.22	-1.54e-03	0.0	-2.49e-04
104	168	2.45	5.53	-0.25	-1.76e-03	0.0	3.26e-05
104	176	4.33	4.78	-0.22	-1.53e-03	0.0	-2.49e-04
104	200	2.48	5.54	-0.25	-1.77e-03	0.0	2.82e-05
104	208	5.09	5.61	-0.23	-1.79e-03	0.0	-2.93e-04
104	232	2.95	6.52	-0.28	-2.08e-03	0.0	2.94e-05
105	4	0.01	0.45	-0.27	6.12e-06	0.0	6.86e-06
105	47	7.47e-03	-0.76	-0.15	1.96e-04	0.0	-8.27e-06
105	52	0.02	4.01e-03	-0.26	8.96e-05	0.0	1.36e-06
105	68	0.01	0.30	-0.19	6.71e-06	0.0	4.56e-06
105	87	6.84e-03	-0.51	-0.14	1.43e-04	0.0	-5.43e-06
105	92	0.01	3.13e-03	-0.18	6.24e-05	0.0	0.0
105	98	8.42e-03	3.15e-03	-0.15	5.07e-05	0.0	0.0
105	102	4.68e-03	0.10	-0.11	1.31e-05	0.0	1.39e-06
105	106	4.73e-03	3.45e-03	-0.11	3.16e-05	0.0	0.0
105	107	7.89e-03	3.19e-03	-0.15	4.80e-05	0.0	0.0
105	108	3.44	4.56	-0.36	3.20e-04	0.0	-2.96e-04
105	112	4.28	4.71	-0.35	2.25e-04	0.0	-3.70e-04
105	136	2.41	5.52	-0.27	-1.23e-03	0.0	-2.24e-04
105	140	3.87	5.13	-0.39	3.54e-04	0.0	-3.34e-04
105	144	4.83	5.30	-0.37	2.47e-04	0.0	-4.17e-04
105	168	2.72	6.22	-0.28	-1.39e-03	0.0	-2.53e-04
105	172	3.87	5.08	-0.39	3.36e-04	0.0	-3.32e-04
105	176	4.83	5.28	-0.37	2.24e-04	0.0	-4.17e-04
105	200	2.76	6.23	-0.29	-1.38e-03	0.0	-2.57e-04
105	204	4.55	5.94	-0.43	3.77e-04	0.0	-3.89e-04
105	208	5.67	6.19	-0.41	2.44e-04	0.0	-4.90e-04
105	232	3.28	7.34	-0.32	-1.62e-03	0.0	-3.08e-04
106	4	0.01	0.45	-0.32	1.22e-06	0.0	6.77e-06
106	47	7.30e-03	-0.76	-0.18	1.94e-04	0.0	-8.01e-06
106	52	0.01	3.49e-03	-0.30	8.53e-05	0.0	1.33e-06
106	68	0.01	0.30	-0.22	3.34e-06	0.0	4.52e-06
106	87	6.69e-03	-0.50	-0.16	1.41e-04	0.0	-5.22e-06

106	92	0.01	2.79e-03	-0.21	5.94e-05	0.0	0.0
106	98	8.33e-03	2.93e-03	-0.18	4.84e-05	0.0	0.0
106	102	4.59e-03	0.10	-0.13	1.16e-05	0.0	1.49e-06
106	106	4.63e-03	3.42e-03	-0.12	3.03e-05	0.0	0.0
106	107	7.80e-03	3.00e-03	-0.17	4.58e-05	0.0	0.0
106	112	4.29	4.85	-0.26	2.19e-04	0.0	-3.77e-04
106	136	2.41	5.57	-0.30	-1.10e-03	0.0	-2.27e-04
106	144	4.83	5.46	-0.27	2.41e-04	0.0	-4.24e-04
106	168	2.73	6.28	-0.32	-1.24e-03	0.0	-2.57e-04
106	176	4.83	5.44	-0.27	2.21e-04	0.0	-4.24e-04
106	200	2.76	6.30	-0.32	-1.23e-03	0.0	-2.61e-04
106	208	5.68	6.38	-0.29	2.43e-04	0.0	-4.99e-04
106	232	3.29	7.42	-0.34	-1.44e-03	0.0	-3.13e-04
107	4	0.04	0.33	-0.22	-1.38e-04	0.0	1.79e-05
107	44	0.03	-0.56	-0.18	2.18e-04	0.0	0.0
107	68	0.03	0.22	-0.16	-9.23e-05	0.0	1.26e-05
107	88	0.02	-0.38	-0.13	1.45e-04	0.0	0.0
107	98	0.02	-1.70e-03	-0.13	-4.25e-06	0.0	7.22e-06
107	105	0.02	-0.08	-0.12	2.57e-05	0.0	5.65e-06
107	107	0.02	-1.54e-03	-0.12	-4.16e-06	0.0	7.02e-06
107	112	3.40	3.74	-0.06	-1.46e-03	0.0	-1.43e-04
107	134	0.23	2.56	-0.28	-9.91e-04	0.0	1.75e-04
107	139	-1.88	-4.22	-0.02	1.63e-03	0.0	-4.63e-05
107	144	3.83	4.21	-0.05	-1.64e-03	0.0	-1.62e-04
107	166	0.25	2.89	-0.30	-1.12e-03	0.0	1.96e-04
107	171	-2.12	-4.76	-6.12e-03	1.84e-03	0.0	-5.23e-05
107	176	3.84	4.19	-0.06	-1.64e-03	0.0	-1.63e-04
107	198	0.26	2.88	-0.29	-1.11e-03	0.0	1.92e-04
107	203	-2.15	-4.77	-6.50e-03	1.84e-03	0.0	-4.61e-05
107	208	4.51	4.92	-0.05	-1.92e-03	0.0	-1.93e-04
107	230	0.30	3.37	-0.32	-1.30e-03	0.0	2.22e-04
107	235	-2.57	-5.62	0.01	2.17e-03	0.0	-5.15e-05
108	4	0.04	0.39	-0.29	-1.39e-04	0.0	1.06e-05
108	48	0.02	-0.66	-0.18	2.19e-04	0.0	-7.87e-06
108	68	0.02	0.26	-0.20	-9.32e-05	0.0	7.37e-06
108	88	0.02	-0.44	-0.16	1.45e-04	0.0	-4.39e-06
108	98	0.02	5.77e-04	-0.16	-4.81e-06	0.0	2.62e-06
108	102	0.01	0.09	-0.11	-3.36e-05	0.0	3.99e-06
108	106	0.01	1.33e-03	-0.11	-4.27e-06	0.0	2.45e-06
108	107	0.02	6.84e-04	-0.16	-4.74e-06	0.0	2.59e-06
108	112	3.84	4.37	-0.08	-1.45e-03	0.0	-2.15e-04
108	134	0.25	2.99	-0.34	-9.85e-04	0.0	1.87e-04
108	136	2.17	4.92	-0.28	-1.63e-03	0.0	3.29e-05
108	144	4.33	4.92	-0.07	-1.63e-03	0.0	-2.43e-04
108	166	0.28	3.37	-0.36	-1.11e-03	0.0	2.10e-04
108	168	2.45	5.55	-0.29	-1.83e-03	0.0	3.63e-05
108	176	4.33	4.90	-0.08	-1.63e-03	0.0	-2.42e-04
108	198	0.29	3.36	-0.35	-1.11e-03	0.0	2.08e-04
108	200	2.48	5.57	-0.29	-1.84e-03	0.0	3.15e-05
108	208	5.09	5.74	-0.07	-1.91e-03	0.0	-2.85e-04
108	230	0.34	3.94	-0.39	-1.30e-03	0.0	2.43e-04
108	232	2.95	6.56	-0.31	-2.17e-03	0.0	3.32e-05
109	4	0.01	0.45	-0.37	2.77e-05	0.0	7.82e-06
109	47	6.88e-03	-0.75	-0.21	1.91e-04	0.0	-5.85e-06
109	52	0.01	2.98e-03	-0.36	1.03e-04	0.0	2.90e-06
109	68	9.73e-03	0.30	-0.26	2.16e-05	0.0	5.32e-06
109	87	6.30e-03	-0.50	-0.19	1.42e-04	0.0	-3.48e-06
109	92	9.83e-03	2.45e-03	-0.25	7.18e-05	0.0	2.04e-06
109	98	7.95e-03	2.71e-03	-0.21	5.87e-05	0.0	1.65e-06
109	102	4.31e-03	0.10	-0.14	2.06e-05	0.0	2.23e-06
109	106	4.34e-03	3.34e-03	-0.14	3.73e-05	0.0	1.13e-06
109	107	7.44e-03	2.80e-03	-0.20	5.57e-05	0.0	1.57e-06
109	112	4.29	4.99	-0.12	3.12e-04	0.0	-3.97e-04
109	134	0.27	3.42	-0.41	-1.47e-03	0.0	-1.98e-05
109	136	2.42	5.63	-0.35	-1.47e-03	0.0	-2.38e-04
109	144	4.83	5.63	-0.11	3.43e-04	0.0	-4.48e-04
109	166	0.31	3.85	-0.44	-1.66e-03	0.0	-2.28e-05
109	168	2.73	6.34	-0.36	-1.67e-03	0.0	-2.69e-04
109	176	4.83	5.60	-0.12	3.16e-04	0.0	-4.48e-04
109	198	0.31	3.84	-0.44	-1.64e-03	0.0	-2.42e-05
109	200	2.76	6.37	-0.36	-1.65e-03	0.0	-2.74e-04
109	208	5.68	6.57	-0.11	3.48e-04	0.0	-5.28e-04
109	230	0.37	4.50	-0.47	-1.92e-03	0.0	-3.05e-05
109	232	3.29	7.50	-0.39	-1.94e-03	0.0	-3.29e-04
110	4	0.04	0.32	-0.26	0.0	-9.53e-06	3.23e-05

110	28	0.04	-0.34	-0.27	0.0	-1.11e-05	2.86e-05
110	44	0.03	-0.56	-0.24	0.0	-9.95e-06	2.36e-05
110	68	0.03	0.21	-0.18	0.0	-6.49e-06	2.26e-05
110	80	0.03	-0.23	-0.19	0.0	-7.53e-06	2.01e-05
110	88	0.02	-0.38	-0.17	0.0	-6.77e-06	1.68e-05
110	98	0.02	-4.93e-03	-0.16	0.0	-5.39e-06	1.77e-05
110	105	0.02	-0.08	-0.15	0.0	-5.21e-06	1.65e-05
110	107	0.02	-4.68e-03	-0.15	0.0	-4.99e-06	1.69e-05
110	112	3.41	3.80	0.19	0.0	1.09e-03	-2.94e-04
110	115	-3.36	-3.81	-0.48	0.0	-1.10e-03	3.28e-04
110	139	-1.88	-4.22	-0.34	0.0	-6.20e-04	2.02e-04
110	144	3.84	4.29	0.23	0.0	1.23e-03	-3.34e-04
110	147	-3.79	-4.30	-0.52	0.0	-1.24e-03	3.68e-04
110	171	-2.12	-4.76	-0.37	0.0	-6.99e-04	2.26e-04
110	176	3.84	4.27	0.23	0.0	1.23e-03	-3.33e-04
110	179	-3.79	-4.28	-0.52	0.0	-1.24e-03	3.67e-04
110	203	-2.16	-4.78	-0.37	0.0	-7.09e-04	2.30e-04
110	208	4.51	5.01	0.29	0.0	1.44e-03	-3.94e-04
110	211	-4.46	-5.02	-0.59	0.0	-1.45e-03	4.28e-04
110	235	-2.57	-5.63	-0.41	0.0	-8.43e-04	2.72e-04
111	4	0.04	0.38	-0.36	0.0	-2.71e-05	3.36e-05
111	47	0.02	-0.65	-0.23	0.0	-1.60e-05	1.78e-05
111	68	0.03	0.26	-0.25	0.0	-1.87e-05	2.36e-05
111	87	0.02	-0.44	-0.20	0.0	-1.40e-05	1.65e-05
111	98	0.02	1.63e-04	-0.21	0.0	-1.47e-05	1.85e-05
111	105	0.02	-0.09	-0.20	0.0	-1.37e-05	1.72e-05
111	106	0.01	6.42e-04	-0.13	0.0	-8.49e-06	1.25e-05
111	107	0.02	2.31e-04	-0.20	0.0	-1.38e-05	1.76e-05
111	112	3.84	4.47	0.06	0.0	1.04e-03	-4.20e-04
111	114	-3.05	-2.11	-0.55	0.0	-8.58e-04	3.73e-04
111	136	2.17	4.94	-0.28	0.0	5.83e-04	-2.40e-04
111	144	4.33	5.03	0.09	0.0	1.18e-03	-4.76e-04
111	146	-3.43	-2.37	-0.59	0.0	-9.65e-04	4.17e-04
111	168	2.45	5.57	-0.29	0.0	6.60e-04	-2.73e-04
111	176	4.33	5.01	0.09	0.0	1.18e-03	-4.78e-04
111	178	-3.43	-2.36	-0.59	0.0	-9.64e-04	4.18e-04
111	200	2.48	5.59	-0.29	0.0	6.69e-04	-2.81e-04
111	208	5.09	5.88	0.14	0.0	1.38e-03	-5.66e-04
111	210	-4.04	-2.77	-0.65	0.0	-1.13e-03	4.88e-04
111	232	2.95	6.59	-0.30	0.0	7.98e-04	-3.41e-04
112	4	0.01	0.44	-0.49	3.11e-04	1.03e-04	4.98e-06
112	48	6.84e-03	-0.75	-0.31	1.97e-04	7.95e-05	3.28e-06
112	52	0.01	2.44e-03	-0.48	3.01e-04	1.06e-04	4.33e-06
112	68	9.04e-03	0.30	-0.34	2.17e-04	7.31e-05	3.60e-06
112	88	6.14e-03	-0.50	-0.28	1.74e-04	6.95e-05	3.04e-06
112	92	9.19e-03	2.08e-03	-0.33	2.11e-04	7.50e-05	3.17e-06
112	98	7.41e-03	2.43e-03	-0.28	1.75e-04	6.33e-05	2.82e-06
112	102	3.93e-03	0.10	-0.18	1.16e-04	4.42e-05	2.59e-06
112	106	3.98e-03	3.19e-03	-0.18	1.14e-04	4.49e-05	2.44e-06
112	107	6.92e-03	2.54e-03	-0.26	1.66e-04	6.06e-05	2.76e-06
112	112	4.29	5.14	-0.02	1.06e-04	9.50e-04	-4.86e-04
112	114	-3.42	-2.43	-0.63	2.86e-04	-1.08e-03	3.99e-04
112	136	2.42	5.68	-0.40	2.47e-04	-1.27e-04	-2.84e-04
112	144	4.83	5.79	0.01	9.90e-05	1.06e-03	-5.48e-04
112	146	-3.86	-2.73	-0.68	3.01e-04	-1.22e-03	4.50e-04
112	168	2.73	6.41	-0.42	2.57e-04	-1.50e-04	-3.21e-04
112	176	4.83	5.77	6.49e-03	1.03e-04	1.05e-03	-5.51e-04
112	178	-3.85	-2.72	-0.67	2.96e-04	-1.20e-03	4.50e-04
112	200	2.76	6.43	-0.42	2.57e-04	-1.44e-04	-3.31e-04
112	208	5.68	6.77	0.05	9.42e-05	1.21e-03	-6.50e-04
112	210	-4.53	-3.19	-0.74	3.15e-04	-1.41e-03	5.29e-04
112	232	3.29	7.58	-0.44	2.72e-04	-1.70e-04	-3.97e-04
113	4	0.03	0.35	-0.12	-1.29e-04	0.0	8.73e-06
113	18	0.03	0.57	-0.11	-2.18e-04	0.0	1.08e-05
113	68	0.02	0.23	-0.09	-8.57e-05	0.0	5.90e-06
113	75	0.02	0.38	-0.08	-1.45e-04	0.0	7.29e-06
113	98	0.02	6.14e-03	-0.07	2.49e-06	0.0	2.36e-06
113	103	0.02	0.08	-0.07	-2.73e-05	0.0	3.13e-06
113	107	0.02	5.99e-03	-0.07	2.33e-06	0.0	2.20e-06
113	112	3.38	3.37	0.02	-1.22e-03	0.0	-2.94e-04
113	114	-2.68	-1.31	-0.21	4.90e-04	0.0	2.39e-04
113	136	1.91	4.13	-0.12	-1.49e-03	0.0	-1.78e-04
113	144	3.81	3.79	0.04	-1.38e-03	0.0	-3.31e-04
113	146	-3.02	-1.48	-0.23	5.52e-04	0.0	2.69e-04
113	168	2.15	4.65	-0.13	-1.68e-03	0.0	-2.02e-04

113	176	3.81	3.77	0.03	-1.37e-03	0.0	-3.30e-04
113	178	-3.02	-1.47	-0.23	5.49e-04	0.0	2.67e-04
113	200	2.18	4.65	-0.13	-1.69e-03	0.0	-2.05e-04
113	208	4.48	4.42	0.05	-1.61e-03	0.0	-3.88e-04
113	210	-3.55	-1.73	-0.25	6.45e-04	0.0	3.13e-04
113	232	2.59	5.47	-0.14	-1.98e-03	0.0	-2.45e-04
114	4	0.04	0.29	-0.12	-1.29e-04	0.0	8.51e-06
114	18	0.04	0.48	-0.11	-2.18e-04	0.0	1.01e-05
114	68	0.03	0.20	-0.09	-8.57e-05	0.0	5.76e-06
114	75	0.03	0.32	-0.08	-1.45e-04	0.0	6.82e-06
114	98	0.02	7.19e-03	-0.07	2.46e-06	0.0	2.58e-06
114	103	0.02	0.07	-0.07	-2.73e-05	0.0	3.20e-06
114	107	0.02	6.97e-03	-0.07	2.30e-06	0.0	2.40e-06
114	112	3.01	2.84	0.02	-1.22e-03	0.0	-2.69e-04
114	114	-2.37	-1.10	-0.21	4.90e-04	0.0	2.17e-04
114	136	1.70	3.48	-0.12	-1.49e-03	0.0	-1.66e-04
114	144	3.39	3.19	0.04	-1.38e-03	0.0	-3.03e-04
114	146	-2.68	-1.24	-0.23	5.52e-04	0.0	2.44e-04
114	168	1.92	3.92	-0.13	-1.69e-03	0.0	-1.87e-04
114	176	3.39	3.18	0.03	-1.37e-03	0.0	-3.02e-04
114	178	-2.67	-1.23	-0.23	5.49e-04	0.0	2.43e-04
114	200	1.94	3.92	-0.13	-1.69e-03	0.0	-1.90e-04
114	208	3.98	3.72	0.05	-1.61e-03	0.0	-3.55e-04
114	210	-3.15	-1.45	-0.25	6.46e-04	0.0	2.84e-04
114	232	2.31	4.61	-0.14	-1.99e-03	0.0	-2.28e-04
115	4	0.03	0.40	-0.12	-1.29e-04	0.0	8.40e-06
115	45	4.77e-03	-0.67	-0.05	2.28e-04	0.0	-7.22e-06
115	68	0.02	0.27	-0.09	-8.56e-05	0.0	5.65e-06
115	75	0.02	0.45	-0.08	-1.45e-04	0.0	7.47e-06
115	98	0.01	5.05e-03	-0.07	2.60e-06	0.0	1.79e-06
115	103	0.01	0.09	-0.07	-2.72e-05	0.0	2.76e-06
115	107	0.01	4.97e-03	-0.07	2.44e-06	0.0	1.67e-06
115	112	3.84	3.90	0.02	-1.22e-03	0.0	-3.27e-04
115	114	-3.05	-1.52	-0.21	4.89e-04	0.0	2.65e-04
115	136	2.17	4.77	-0.12	-1.49e-03	0.0	-1.98e-04
115	144	4.33	4.39	0.03	-1.38e-03	0.0	-3.69e-04
115	146	-3.44	-1.72	-0.23	5.51e-04	0.0	2.99e-04
115	168	2.44	5.38	-0.13	-1.68e-03	0.0	-2.24e-04
115	176	4.33	4.37	0.03	-1.37e-03	0.0	-3.68e-04
115	178	-3.44	-1.71	-0.23	5.48e-04	0.0	2.97e-04
115	200	2.48	5.38	-0.13	-1.68e-03	0.0	-2.28e-04
115	208	5.09	5.12	0.05	-1.61e-03	0.0	-4.32e-04
115	210	-4.04	-2.01	-0.25	6.45e-04	0.0	3.48e-04
115	232	2.94	6.33	-0.14	-1.98e-03	0.0	-2.72e-04
116	4	0.01	0.46	-0.12	-1.28e-04	0.0	7.66e-06
116	45	2.00e-03	-0.77	-0.05	2.28e-04	0.0	-8.37e-06
116	52	0.01	5.43e-03	-0.12	4.89e-06	0.0	2.20e-06
116	68	9.56e-03	0.31	-0.09	-8.55e-05	0.0	5.14e-06
116	85	3.09e-03	-0.51	-0.05	1.53e-04	0.0	-5.35e-06
116	92	9.81e-03	4.09e-03	-0.08	3.37e-06	0.0	1.50e-06
116	98	7.98e-03	3.84e-03	-0.07	2.71e-06	0.0	1.12e-06
116	103	7.40e-03	0.10	-0.07	-2.71e-05	0.0	2.25e-06
116	107	7.48e-03	3.83e-03	-0.07	2.54e-06	0.0	1.04e-06
116	112	4.28	4.42	0.02	-1.22e-03	0.0	-3.57e-04
116	114	-3.42	-1.74	-0.21	4.89e-04	0.0	2.89e-04
116	136	2.41	5.41	-0.12	-1.49e-03	0.0	-2.17e-04
116	144	4.83	4.98	0.03	-1.37e-03	0.0	-4.03e-04
116	146	-3.85	-1.96	-0.23	5.51e-04	0.0	3.25e-04
116	168	2.72	6.10	-0.13	-1.68e-03	0.0	-2.45e-04
116	176	4.83	4.96	0.03	-1.37e-03	0.0	-4.01e-04
116	178	-3.85	-1.95	-0.23	5.48e-04	0.0	3.23e-04
116	200	2.76	6.11	-0.13	-1.68e-03	0.0	-2.49e-04
116	208	5.67	5.81	0.05	-1.60e-03	0.0	-4.72e-04
116	210	-4.52	-2.29	-0.25	6.44e-04	0.0	3.79e-04
116	232	3.28	7.18	-0.14	-1.98e-03	0.0	-2.97e-04
117	4	0.04	0.34	-0.17	-1.29e-04	0.0	8.59e-06
117	45	7.01e-03	-0.57	-0.06	2.26e-04	0.0	-5.84e-06
117	68	0.02	0.23	-0.12	-8.59e-05	0.0	5.80e-06
117	75	0.02	0.38	-0.11	-1.45e-04	0.0	7.19e-06
117	98	0.02	5.14e-03	-0.10	1.92e-06	0.0	2.28e-06
117	103	0.02	0.08	-0.10	-2.76e-05	0.0	3.06e-06
117	107	0.02	5.06e-03	-0.09	1.80e-06	0.0	2.12e-06
117	112	3.39	3.48	-0.15	-1.25e-03	0.0	-2.94e-04
117	136	1.91	4.18	-0.17	-1.50e-03	0.0	-1.78e-04
117	144	3.81	3.93	-0.16	-1.41e-03	0.0	-3.32e-04

117	168	2.16	4.71	-0.18	-1.69e-03	0.0	-2.02e-04
117	176	3.81	3.91	-0.16	-1.41e-03	0.0	-3.30e-04
117	200	2.19	4.71	-0.18	-1.69e-03	0.0	-2.05e-04
117	208	4.48	4.58	-0.17	-1.65e-03	0.0	-3.89e-04
117	232	2.60	5.54	-0.19	-1.99e-03	0.0	-2.46e-04
118	4	0.04	0.29	-0.16	-1.29e-04	0.0	8.74e-06
118	18	0.04	0.47	-0.15	-2.18e-04	0.0	1.03e-05
118	68	0.03	0.19	-0.12	-8.59e-05	0.0	5.93e-06
118	75	0.03	0.32	-0.11	-1.45e-04	0.0	6.97e-06
118	98	0.02	5.97e-03	-0.10	1.92e-06	0.0	2.74e-06
118	103	0.02	0.07	-0.09	-2.76e-05	0.0	3.35e-06
118	107	0.02	5.83e-03	-0.09	1.80e-06	0.0	2.55e-06
118	112	3.02	2.94	-0.15	-1.26e-03	0.0	-2.57e-04
118	136	1.70	3.53	-0.17	-1.50e-03	0.0	-1.56e-04
118	144	3.40	3.31	-0.16	-1.41e-03	0.0	-2.90e-04
118	168	1.92	3.97	-0.18	-1.69e-03	0.0	-1.76e-04
118	176	3.40	3.30	-0.16	-1.41e-03	0.0	-2.89e-04
118	200	1.95	3.98	-0.18	-1.70e-03	0.0	-1.79e-04
118	208	3.99	3.86	-0.17	-1.65e-03	0.0	-3.40e-04
118	232	2.31	4.68	-0.19	-2.00e-03	0.0	-2.14e-04
119	4	0.03	0.40	-0.17	-1.29e-04	0.0	8.34e-06
119	45	5.17e-03	-0.67	-0.06	2.27e-04	0.0	-7.38e-06
119	68	0.02	0.27	-0.12	-8.60e-05	0.0	5.61e-06
119	85	7.08e-03	-0.44	-0.07	1.52e-04	0.0	-4.57e-06
119	98	0.02	4.31e-03	-0.10	1.93e-06	0.0	1.72e-06
119	103	0.02	0.09	-0.10	-2.76e-05	0.0	2.70e-06
119	107	0.02	4.28e-03	-0.10	1.81e-06	0.0	1.59e-06
119	112	3.84	4.03	-0.15	-1.25e-03	0.0	-3.29e-04
119	136	2.17	4.82	-0.17	-1.50e-03	0.0	-1.99e-04
119	144	4.33	4.54	-0.16	-1.41e-03	0.0	-3.71e-04
119	168	2.44	5.44	-0.18	-1.69e-03	0.0	-2.26e-04
119	176	4.33	4.51	-0.16	-1.40e-03	0.0	-3.70e-04
119	200	2.48	5.44	-0.18	-1.69e-03	0.0	-2.29e-04
119	208	5.09	5.29	-0.17	-1.65e-03	0.0	-4.35e-04
119	232	2.95	6.41	-0.19	-1.99e-03	0.0	-2.74e-04
120	4	0.01	0.46	-0.17	-1.29e-04	0.0	7.85e-06
120	47	7.40e-03	-0.76	-0.10	2.28e-04	0.0	-8.25e-06
120	52	0.01	4.69e-03	-0.16	3.44e-06	0.0	2.01e-06
120	68	9.96e-03	0.30	-0.12	-8.60e-05	0.0	5.26e-06
120	87	6.75e-03	-0.51	-0.09	1.52e-04	0.0	-5.30e-06
120	92	0.01	3.59e-03	-0.12	2.37e-06	0.0	1.36e-06
120	98	8.25e-03	3.48e-03	-0.10	1.92e-06	0.0	1.01e-06
120	102	4.58e-03	0.10	-0.08	-2.84e-05	0.0	1.78e-06
120	106	4.64e-03	3.61e-03	-0.07	1.09e-06	0.0	0.0
120	107	7.74e-03	3.50e-03	-0.10	1.80e-06	0.0	0.0
120	112	4.28	4.57	-0.15	-1.25e-03	0.0	-3.57e-04
120	136	2.41	5.47	-0.17	-1.49e-03	0.0	-2.17e-04
120	144	4.82	5.14	-0.16	-1.41e-03	0.0	-4.03e-04
120	168	2.72	6.16	-0.17	-1.68e-03	0.0	-2.45e-04
120	176	4.83	5.12	-0.16	-1.40e-03	0.0	-4.02e-04
120	200	2.76	6.17	-0.17	-1.69e-03	0.0	-2.49e-04
120	208	5.67	6.00	-0.17	-1.64e-03	0.0	-4.72e-04
120	232	3.28	7.26	-0.19	-1.99e-03	0.0	-2.97e-04
121	1	0.0	0.0	0.0	0.0	2.68e-06	0.0
121	65	0.0	0.0	0.0	0.0	2.03e-06	0.0
121	97	0.0	0.0	0.0	0.0	3.38e-06	0.0
121	106	0.0	0.0	0.0	0.0	3.38e-06	0.0
121	108	0.0	0.0	0.0	0.0	2.03e-03	-3.12e-06
121	140	0.0	0.0	0.0	0.0	2.28e-03	-3.50e-06
121	172	0.0	0.0	0.0	0.0	2.29e-03	-3.48e-06
121	204	0.0	0.0	0.0	0.0	2.70e-03	-4.07e-06
122	18	3.08e-03	0.10	-0.11	0.0	5.60e-06	0.0
122	44	4.48e-03	-0.12	-0.04	0.0	8.26e-06	-1.06e-06
122	52	5.76e-03	-0.01	-0.08	0.0	1.07e-05	-1.17e-06
122	75	2.19e-03	0.06	-0.08	0.0	3.98e-06	0.0
122	88	3.12e-03	-0.08	-0.03	0.0	5.75e-06	0.0
122	92	3.98e-03	-9.94e-03	-0.06	0.0	7.35e-06	0.0
122	98	3.22e-03	-8.52e-03	-0.05	0.0	5.94e-06	0.0
122	103	2.78e-03	6.18e-03	-0.05	0.0	5.12e-06	0.0
122	105	2.97e-03	-0.02	-0.04	0.0	5.47e-06	0.0
122	107	3.02e-03	-8.16e-03	-0.05	0.0	5.57e-06	0.0
122	112	1.31	0.75	-0.22	0.0	2.48e-03	-6.39e-05
122	136	0.75	0.83	-0.27	0.0	1.43e-03	-4.10e-05
122	139	-0.75	-0.85	0.17	0.0	-1.42e-03	3.97e-05
122	144	1.48	0.85	-0.24	0.0	2.80e-03	-7.19e-05

122	168	0.85	0.94	-0.30	0.0	1.61e-03	-4.63e-05
122	171	-0.85	-0.95	0.20	0.0	-1.60e-03	4.49e-05
122	184	1.49	0.88	-0.25	0.0	2.81e-03	-8.10e-05
122	200	0.88	0.94	-0.30	0.0	1.66e-03	-4.72e-05
122	203	-0.87	-0.96	0.20	0.0	-1.65e-03	4.58e-05
122	216	1.80	1.06	-0.29	0.0	3.40e-03	-9.75e-05
122	232	1.05	1.11	-0.34	0.0	1.99e-03	-5.63e-05
122	235	-1.05	-1.13	0.24	0.0	-1.98e-03	5.50e-05
123	4	4.09e-03	0.05	-0.07	0.0	7.67e-06	-1.05e-06
123	44	3.86e-03	-0.12	-0.05	0.0	7.25e-06	-1.07e-06
123	52	5.08e-03	-0.01	-0.07	0.0	9.56e-06	-1.18e-06
123	68	2.83e-03	0.03	-0.05	0.0	5.31e-06	0.0
123	88	2.68e-03	-0.08	-0.04	0.0	5.03e-06	0.0
123	92	3.49e-03	-9.79e-03	-0.05	0.0	6.57e-06	0.0
123	98	2.81e-03	-8.39e-03	-0.04	0.0	5.29e-06	0.0
123	105	2.58e-03	-0.02	-0.04	0.0	4.84e-06	0.0
123	107	2.63e-03	-8.03e-03	-0.04	0.0	4.95e-06	0.0
123	112	1.27	0.75	-0.03	0.0	2.42e-03	-6.39e-05
123	134	0.06	0.49	-0.08	0.0	1.04e-04	-5.12e-06
123	139	-0.73	-0.85	9.94e-03	0.0	-1.38e-03	3.96e-05
123	144	1.44	0.85	-0.03	0.0	2.72e-03	-7.19e-05
123	166	0.06	0.55	-0.09	0.0	1.19e-04	-5.76e-06
123	171	-0.82	-0.96	0.02	0.0	-1.56e-03	4.49e-05
123	176	1.45	0.85	-0.03	0.0	2.74e-03	-7.18e-05
123	200	0.85	0.94	-0.09	0.0	1.61e-03	-4.71e-05
123	203	-0.85	-0.96	0.02	0.0	-1.60e-03	4.58e-05
123	216	1.74	1.06	-0.07	0.0	3.30e-03	-9.74e-05
123	232	1.02	1.11	-0.10	0.0	1.93e-03	-5.63e-05
123	235	-1.02	-1.13	0.02	0.0	-1.92e-03	5.50e-05
124	1	0.0	0.0	0.0	0.0	2.16e-06	0.0
124	65	0.0	0.0	0.0	0.0	1.64e-06	0.0
124	97	0.0	0.0	0.0	0.0	2.90e-06	0.0
124	106	0.0	0.0	0.0	0.0	2.90e-06	0.0
124	108	0.0	0.0	0.0	0.0	1.98e-03	-3.17e-06
124	140	0.0	0.0	0.0	0.0	2.22e-03	-3.56e-06
124	172	0.0	0.0	0.0	0.0	2.23e-03	-3.54e-06
124	204	0.0	0.0	0.0	0.0	2.63e-03	-4.13e-06
125	18	6.04e-03	0.20	-0.21	0.0	5.26e-06	-1.51e-06
125	44	8.84e-03	-0.25	-0.09	0.0	7.99e-06	-2.01e-06
125	52	0.01	-0.02	-0.17	0.0	1.03e-05	-2.19e-06
125	75	4.29e-03	0.13	-0.15	0.0	3.73e-06	-1.09e-06
125	88	6.16e-03	-0.16	-0.07	0.0	5.55e-06	-1.42e-06
125	92	7.85e-03	-0.02	-0.12	0.0	7.10e-06	-1.55e-06
125	98	6.35e-03	-0.01	-0.10	0.0	5.73e-06	-1.30e-06
125	103	5.48e-03	0.02	-0.11	0.0	4.91e-06	-1.18e-06
125	105	5.86e-03	-0.04	-0.09	0.0	5.27e-06	-1.25e-06
125	107	5.96e-03	-0.01	-0.10	0.0	5.36e-06	-1.24e-06
125	112	2.61	1.53	-0.41	0.0	2.46e-03	-1.30e-04
125	136	1.50	1.69	-0.50	0.0	1.41e-03	-8.27e-05
125	139	-1.49	-1.72	0.30	0.0	-1.40e-03	8.02e-05
125	144	2.94	1.73	-0.44	0.0	2.77e-03	-1.46e-04
125	168	1.70	1.91	-0.55	0.0	1.60e-03	-9.34e-05
125	171	-1.69	-1.94	0.35	0.0	-1.59e-03	9.09e-05
125	176	2.96	1.72	-0.44	0.0	2.79e-03	-1.46e-04
125	200	1.75	1.92	-0.55	0.0	1.64e-03	-9.52e-05
125	203	-1.74	-1.95	0.35	0.0	-1.63e-03	9.27e-05
125	216	3.58	2.16	-0.53	0.0	3.37e-03	-1.97e-04
125	232	2.10	2.26	-0.62	0.0	1.97e-03	-1.14e-04
125	235	-2.08	-2.29	0.43	0.0	-1.96e-03	1.11e-04
126	4	8.10e-03	0.11	-0.14	0.0	7.48e-06	-1.96e-06
126	44	7.65e-03	-0.25	-0.10	0.0	7.10e-06	-2.03e-06
126	52	0.01	-0.02	-0.13	0.0	9.37e-06	-2.21e-06
126	68	5.61e-03	0.07	-0.10	0.0	5.18e-06	-1.39e-06
126	88	5.31e-03	-0.16	-0.07	0.0	4.92e-06	-1.44e-06
126	92	6.93e-03	-0.02	-0.09	0.0	6.44e-06	-1.56e-06
126	98	5.59e-03	-0.01	-0.08	0.0	5.18e-06	-1.31e-06
126	105	5.12e-03	-0.04	-0.07	0.0	4.74e-06	-1.26e-06
126	107	5.22e-03	-0.01	-0.08	0.0	4.84e-06	-1.25e-06
126	112	2.54	1.53	-0.06	0.0	2.40e-03	-1.30e-04
126	136	1.46	1.69	-0.18	0.0	1.37e-03	-8.27e-05
126	139	-1.45	-1.72	0.03	0.0	-1.36e-03	8.02e-05
126	144	2.86	1.73	-0.06	0.0	2.70e-03	-1.46e-04
126	168	1.65	1.91	-0.19	0.0	1.55e-03	-9.34e-05
126	171	-1.64	-1.94	0.04	0.0	-1.54e-03	9.09e-05
126	176	2.88	1.72	-0.07	0.0	2.72e-03	-1.46e-04

126	200	1.70	1.92	-0.19	0.0	1.60e-03	-9.52e-05
126	203	-1.69	-1.95	0.04	0.0	-1.59e-03	9.27e-05
126	216	3.47	2.16	-0.16	0.0	3.27e-03	-1.97e-04
126	232	2.03	2.27	-0.21	0.0	1.92e-03	-1.14e-04
126	235	-2.02	-2.29	0.06	0.0	-1.91e-03	1.11e-04
127	4	0.01	0.17	-0.32	0.0	7.70e-06	-2.63e-06
127	44	0.01	-0.37	-0.16	0.0	7.58e-06	-2.81e-06
127	52	0.02	-0.03	-0.27	0.0	9.78e-06	-3.03e-06
127	68	9.40e-03	0.11	-0.22	0.0	5.33e-06	-1.87e-06
127	88	9.05e-03	-0.25	-0.12	0.0	5.25e-06	-1.99e-06
127	92	0.01	-0.02	-0.19	0.0	6.72e-06	-2.13e-06
127	98	9.33e-03	-0.02	-0.16	0.0	5.40e-06	-1.78e-06
127	103	8.03e-03	0.03	-0.17	0.0	4.58e-06	-1.61e-06
127	105	8.60e-03	-0.06	-0.14	0.0	4.96e-06	-1.72e-06
127	107	8.74e-03	-0.02	-0.16	0.0	5.04e-06	-1.70e-06
127	112	3.90	2.32	-0.56	0.0	2.43e-03	-1.93e-04
127	136	2.24	2.57	-0.70	0.0	1.39e-03	-1.23e-04
127	139	-2.22	-2.60	0.39	0.0	-1.38e-03	1.19e-04
127	144	4.39	2.62	-0.61	0.0	2.74e-03	-2.18e-04
127	168	2.53	2.90	-0.76	0.0	1.57e-03	-1.38e-04
127	171	-2.52	-2.93	0.45	0.0	-1.56e-03	1.35e-04
127	176	4.42	2.61	-0.61	0.0	2.76e-03	-2.18e-04
127	200	2.61	2.91	-0.76	0.0	1.62e-03	-1.41e-04
127	203	-2.59	-2.94	0.45	0.0	-1.61e-03	1.38e-04
127	216	5.34	3.27	-0.72	0.0	3.32e-03	-2.92e-04
127	232	3.13	3.43	-0.87	0.0	1.94e-03	-1.69e-04
127	235	-3.11	-3.47	0.56	0.0	-1.93e-03	1.65e-04
128	4	0.01	0.17	-0.21	0.0	7.19e-06	-2.66e-06
128	44	0.01	-0.37	-0.15	0.0	6.87e-06	-2.84e-06
128	52	0.01	-0.03	-0.20	0.0	9.09e-06	-3.06e-06
128	68	8.29e-03	0.11	-0.15	0.0	4.97e-06	-1.89e-06
128	88	7.87e-03	-0.25	-0.11	0.0	4.76e-06	-2.01e-06
128	92	0.01	-0.02	-0.14	0.0	6.24e-06	-2.15e-06
128	98	8.28e-03	-0.02	-0.12	0.0	5.01e-06	-1.80e-06
128	105	7.58e-03	-0.06	-0.11	0.0	4.57e-06	-1.74e-06
128	107	7.73e-03	-0.02	-0.11	0.0	4.67e-06	-1.72e-06
128	112	3.79	2.32	-0.10	0.0	2.37e-03	-1.94e-04
128	136	2.18	2.57	-0.27	0.0	1.35e-03	-1.23e-04
128	139	-2.16	-2.60	0.05	0.0	-1.34e-03	1.19e-04
128	144	4.27	2.62	-0.09	0.0	2.67e-03	-2.18e-04
128	168	2.46	2.90	-0.29	0.0	1.53e-03	-1.39e-04
128	171	-2.44	-2.93	0.07	0.0	-1.52e-03	1.35e-04
128	176	4.30	2.61	-0.10	0.0	2.69e-03	-2.18e-04
128	200	2.53	2.91	-0.29	0.0	1.57e-03	-1.41e-04
128	203	-2.51	-2.94	0.06	0.0	-1.57e-03	1.38e-04
128	216	5.17	3.27	-0.25	0.0	3.22e-03	-2.92e-04
128	232	3.03	3.43	-0.32	0.0	1.89e-03	-1.69e-04
128	235	-3.02	-3.47	0.09	0.0	-1.88e-03	1.65e-04
129	4	0.02	0.23	-0.44	0.0	6.97e-06	-3.01e-06
129	44	0.02	-0.49	-0.25	0.0	7.11e-06	-3.42e-06
129	52	0.02	-0.04	-0.39	0.0	9.11e-06	-3.58e-06
129	68	0.01	0.15	-0.31	0.0	4.82e-06	-2.14e-06
129	88	0.01	-0.33	-0.18	0.0	4.90e-06	-2.41e-06
129	92	0.01	-0.03	-0.27	0.0	6.24e-06	-2.51e-06
129	98	0.01	-0.02	-0.23	0.0	4.98e-06	-2.09e-06
129	103	0.01	0.04	-0.23	0.0	4.17e-06	-1.87e-06
129	105	0.01	-0.08	-0.21	0.0	4.58e-06	-2.03e-06
129	107	0.01	-0.02	-0.22	0.0	4.64e-06	-1.99e-06
129	112	5.17	3.12	-0.70	0.0	2.40e-03	-2.57e-04
129	136	2.97	3.45	-0.88	0.0	1.37e-03	-1.62e-04
129	139	-2.94	-3.49	0.43	0.0	-1.36e-03	1.58e-04
129	144	5.82	3.51	-0.76	0.0	2.70e-03	-2.90e-04
129	168	3.35	3.89	-0.96	0.0	1.55e-03	-1.82e-04
129	171	-3.33	-3.93	0.51	0.0	-1.54e-03	1.78e-04
129	176	5.87	3.50	-0.75	0.0	2.72e-03	-2.89e-04
129	200	3.45	3.90	-0.96	0.0	1.59e-03	-1.86e-04
129	203	-3.43	-3.95	0.51	0.0	-1.58e-03	1.82e-04
129	216	7.07	4.38	-0.89	0.0	3.26e-03	-3.84e-04
129	232	4.14	4.61	-1.08	0.0	1.91e-03	-2.22e-04
129	235	-4.12	-4.65	0.64	0.0	-1.90e-03	2.18e-04
130	4	0.02	0.23	-0.30	0.0	6.86e-06	-3.06e-06
130	44	0.01	-0.49	-0.21	0.0	6.60e-06	-3.45e-06
130	52	0.02	-0.04	-0.28	0.0	8.77e-06	-3.62e-06
130	68	0.01	0.15	-0.21	0.0	4.73e-06	-2.17e-06
130	88	0.01	-0.33	-0.15	0.0	4.56e-06	-2.43e-06

130	92	0.01	-0.03	-0.20	0.0	6.01e-06	-2.54e-06
130	98	0.01	-0.02	-0.17	0.0	4.81e-06	-2.12e-06
130	105	9.93e-03	-0.08	-0.15	0.0	4.39e-06	-2.05e-06
130	107	0.01	-0.02	-0.16	0.0	4.48e-06	-2.02e-06
130	112	5.02	3.12	-0.13	0.0	2.34e-03	-2.57e-04
130	136	2.88	3.45	-0.38	0.0	1.33e-03	-1.62e-04
130	139	-2.86	-3.49	0.06	0.0	-1.32e-03	1.58e-04
130	144	5.66	3.51	-0.13	0.0	2.63e-03	-2.90e-04
130	168	3.26	3.89	-0.40	0.0	1.50e-03	-1.83e-04
130	171	-3.24	-3.93	0.09	0.0	-1.50e-03	1.79e-04
130	176	5.70	3.50	-0.13	0.0	2.65e-03	-2.89e-04
130	200	3.35	3.90	-0.40	0.0	1.55e-03	-1.86e-04
130	203	-3.33	-3.95	0.08	0.0	-1.54e-03	1.82e-04
130	216	6.85	4.38	-0.34	0.0	3.16e-03	-3.84e-04
130	232	4.02	4.61	-0.44	0.0	1.86e-03	-2.23e-04
130	235	-4.00	-4.65	0.12	0.0	-1.85e-03	2.19e-04
131	4	3.47e-03	0.05	-0.05	0.0	6.59e-06	-1.10e-06
131	44	3.22e-03	-0.12	-0.04	0.0	6.13e-06	-1.12e-06
131	52	4.38e-03	-0.01	-0.05	0.0	8.34e-06	-1.23e-06
131	68	2.39e-03	0.03	-0.04	0.0	4.55e-06	0.0
131	88	2.23e-03	-0.08	-0.03	0.0	4.24e-06	0.0
131	92	3.00e-03	-9.40e-03	-0.04	0.0	5.71e-06	0.0
131	98	2.40e-03	-8.06e-03	-0.03	0.0	4.57e-06	0.0
131	105	2.18e-03	-0.02	-0.03	0.0	4.15e-06	0.0
131	107	2.24e-03	-7.71e-03	-0.03	0.0	4.26e-06	0.0
131	112	1.24	0.76	-0.03	0.0	2.35e-03	-6.38e-05
131	136	0.71	0.84	-0.06	0.0	1.35e-03	-4.09e-05
131	139	-0.71	-0.85	4.24e-05	0.0	-1.34e-03	3.96e-05
131	144	1.39	0.85	-0.02	0.0	2.65e-03	-7.18e-05
131	168	0.80	0.94	-0.06	0.0	1.52e-03	-4.62e-05
131	171	-0.80	-0.96	3.77e-03	0.0	-1.51e-03	4.48e-05
131	176	1.40	0.85	-0.03	0.0	2.66e-03	-7.17e-05
131	200	0.83	0.95	-0.06	0.0	1.56e-03	-4.71e-05
131	203	-0.82	-0.96	3.47e-03	0.0	-1.56e-03	4.57e-05
131	216	1.68	1.07	-0.06	0.0	3.19e-03	-9.74e-05
131	232	0.99	1.12	-0.07	0.0	1.87e-03	-5.63e-05
131	235	-0.98	-1.13	9.07e-03	0.0	-1.87e-03	5.49e-05
132	1	0.0	0.0	0.0	0.0	1.60e-06	0.0
132	65	0.0	0.0	0.0	0.0	1.22e-06	0.0
132	97	0.0	0.0	0.0	0.0	2.38e-06	0.0
132	106	0.0	0.0	0.0	0.0	2.38e-06	0.0
132	108	0.0	0.0	0.0	0.0	1.92e-03	-3.21e-06
132	140	0.0	0.0	0.0	0.0	2.16e-03	-3.60e-06
132	172	0.0	0.0	0.0	0.0	2.17e-03	-3.59e-06
132	204	0.0	0.0	0.0	0.0	2.56e-03	-4.19e-06
133	4	6.93e-03	0.11	-0.11	0.0	6.59e-06	-2.06e-06
133	44	6.44e-03	-0.24	-0.08	0.0	6.11e-06	-2.12e-06
133	52	8.76e-03	-0.02	-0.10	0.0	8.33e-06	-2.31e-06
133	68	4.78e-03	0.07	-0.08	0.0	4.54e-06	-1.46e-06
133	88	4.45e-03	-0.16	-0.06	0.0	4.22e-06	-1.50e-06
133	92	6.00e-03	-0.02	-0.07	0.0	5.70e-06	-1.63e-06
133	98	4.80e-03	-0.01	-0.06	0.0	4.56e-06	-1.37e-06
133	105	4.36e-03	-0.04	-0.06	0.0	4.14e-06	-1.32e-06
133	107	4.47e-03	-0.01	-0.06	0.0	4.25e-06	-1.31e-06
133	112	2.47	1.53	-0.05	0.0	2.33e-03	-1.30e-04
133	136	1.41	1.70	-0.12	0.0	1.33e-03	-8.28e-05
133	139	-1.41	-1.72	-1.87e-03	0.0	-1.32e-03	8.02e-05
133	144	2.78	1.73	-0.05	0.0	2.62e-03	-1.46e-04
133	168	1.60	1.92	-0.12	0.0	1.51e-03	-9.35e-05
133	171	-1.59	-1.94	5.32e-03	0.0	-1.50e-03	9.08e-05
133	176	2.80	1.72	-0.05	0.0	2.64e-03	-1.46e-04
133	200	1.64	1.92	-0.12	0.0	1.55e-03	-9.53e-05
133	203	-1.64	-1.95	4.72e-03	0.0	-1.54e-03	9.27e-05
133	216	3.35	2.16	-0.11	0.0	3.16e-03	-1.97e-04
133	232	1.97	2.27	-0.13	0.0	1.86e-03	-1.14e-04
133	235	-1.96	-2.30	0.02	0.0	-1.85e-03	1.11e-04
134	4	0.01	0.17	-0.16	0.0	6.58e-06	-2.82e-06
134	44	9.64e-03	-0.37	-0.13	0.0	6.07e-06	-2.98e-06
134	52	0.01	-0.03	-0.16	0.0	8.31e-06	-3.22e-06
134	68	7.16e-03	0.11	-0.12	0.0	4.54e-06	-2.00e-06
134	88	6.67e-03	-0.25	-0.09	0.0	4.20e-06	-2.11e-06
134	92	8.99e-03	-0.02	-0.11	0.0	5.69e-06	-2.27e-06
134	98	7.20e-03	-0.02	-0.09	0.0	4.56e-06	-1.90e-06
134	105	6.54e-03	-0.06	-0.09	0.0	4.13e-06	-1.83e-06
134	107	6.71e-03	-0.02	-0.09	0.0	4.24e-06	-1.81e-06

134	112	3.68	2.32	-0.08	0.0	2.30e-03	-1.94e-04
134	136	2.11	2.57	-0.17	0.0	1.31e-03	-1.23e-04
134	139	-2.10	-2.60	-6.01e-03	0.0	-1.30e-03	1.19e-04
134	144	4.15	2.62	-0.08	0.0	2.59e-03	-2.18e-04
134	168	2.39	2.90	-0.18	0.0	1.48e-03	-1.39e-04
134	171	-2.37	-2.93	4.51e-03	0.0	-1.48e-03	1.35e-04
134	176	4.18	2.61	-0.08	0.0	2.61e-03	-2.18e-04
134	200	2.45	2.91	-0.18	0.0	1.53e-03	-1.41e-04
134	203	-2.44	-2.95	3.61e-03	0.0	-1.52e-03	1.38e-04
134	216	5.00	3.27	-0.16	0.0	3.11e-03	-2.92e-04
134	232	2.94	3.43	-0.20	0.0	1.83e-03	-1.69e-04
134	235	-2.93	-3.47	0.02	0.0	-1.82e-03	1.65e-04
135	4	0.01	0.23	-0.23	0.0	6.60e-06	-3.30e-06
135	44	0.01	-0.49	-0.18	0.0	6.03e-06	-3.63e-06
135	52	0.02	-0.04	-0.22	0.0	8.30e-06	-3.85e-06
135	68	9.55e-03	0.15	-0.16	0.0	4.55e-06	-2.34e-06
135	88	8.87e-03	-0.33	-0.13	0.0	4.17e-06	-2.56e-06
135	92	0.01	-0.03	-0.15	0.0	5.69e-06	-2.71e-06
135	98	9.59e-03	-0.02	-0.13	0.0	4.55e-06	-2.26e-06
135	105	8.70e-03	-0.08	-0.12	0.0	4.12e-06	-2.19e-06
135	107	8.93e-03	-0.02	-0.12	0.0	4.24e-06	-2.15e-06
135	112	4.88	3.12	-0.11	0.0	2.27e-03	-2.58e-04
135	136	2.79	3.45	-0.23	0.0	1.29e-03	-1.62e-04
135	139	-2.77	-3.49	-0.01	0.0	-1.28e-03	1.58e-04
135	144	5.50	3.52	-0.11	0.0	2.56e-03	-2.91e-04
135	168	3.16	3.89	-0.25	0.0	1.46e-03	-1.83e-04
135	171	-3.14	-3.93	-1.21e-03	0.0	-1.45e-03	1.79e-04
135	176	5.54	3.50	-0.11	0.0	2.58e-03	-2.90e-04
135	200	3.25	3.91	-0.25	0.0	1.50e-03	-1.87e-04
135	203	-3.23	-3.95	-2.42e-03	0.0	-1.49e-03	1.82e-04
135	216	6.63	4.39	-0.22	0.0	3.06e-03	-3.85e-04
135	232	3.89	4.61	-0.27	0.0	1.80e-03	-2.23e-04
135	235	-3.88	-4.65	0.02	0.0	-1.79e-03	2.19e-04
136	4	2.80e-03	0.05	-0.05	0.0	5.42e-06	-1.20e-06
136	44	2.55e-03	-0.12	-0.04	0.0	4.91e-06	-1.22e-06
136	52	3.64e-03	-0.01	-0.04	0.0	7.02e-06	-1.33e-06
136	68	1.92e-03	0.03	-0.03	0.0	3.72e-06	0.0
136	88	1.75e-03	-0.08	-0.03	0.0	3.38e-06	0.0
136	92	2.48e-03	-8.91e-03	-0.03	0.0	4.78e-06	0.0
136	98	1.96e-03	-7.64e-03	-0.03	0.0	3.79e-06	0.0
136	105	1.76e-03	-0.02	-0.02	0.0	3.40e-06	0.0
136	107	1.82e-03	-7.31e-03	-0.03	0.0	3.51e-06	0.0
136	112	1.20	0.76	-0.02	0.0	2.28e-03	-6.39e-05
136	136	0.69	0.84	-0.04	0.0	1.30e-03	-4.10e-05
136	139	-0.68	-0.85	-0.01	0.0	-1.30e-03	3.95e-05
136	144	1.36	0.86	-0.02	0.0	2.57e-03	-7.19e-05
136	168	0.78	0.95	-0.04	0.0	1.47e-03	-4.63e-05
136	171	-0.77	-0.96	-0.01	0.0	-1.47e-03	4.47e-05
136	176	1.36	0.85	-0.02	0.0	2.59e-03	-7.18e-05
136	200	0.80	0.95	-0.04	0.0	1.52e-03	-4.72e-05
136	203	-0.80	-0.97	-0.01	0.0	-1.51e-03	4.56e-05
136	216	1.63	1.07	-0.04	0.0	3.08e-03	-9.74e-05
136	232	0.96	1.12	-0.04	0.0	1.82e-03	-5.63e-05
136	235	-0.95	-1.14	-8.67e-03	0.0	-1.81e-03	5.48e-05
137	1	0.0	0.0	0.0	0.0	0.0	0.0
137	65	0.0	0.0	0.0	0.0	0.0	0.0
137	97	0.0	0.0	0.0	0.0	1.82e-06	0.0
137	106	0.0	0.0	0.0	0.0	1.82e-06	0.0
137	108	0.0	0.0	0.0	0.0	1.86e-03	-3.21e-06
137	140	0.0	0.0	0.0	0.0	2.10e-03	-3.61e-06
137	172	0.0	0.0	0.0	0.0	2.11e-03	-3.59e-06
137	204	0.0	0.0	0.0	0.0	2.48e-03	-4.19e-06
138	4	5.66e-03	0.11	-0.09	0.0	5.58e-06	-2.27e-06
138	44	5.14e-03	-0.24	-0.07	0.0	5.03e-06	-2.31e-06
138	52	7.34e-03	-0.02	-0.09	0.0	7.17e-06	-2.53e-06
138	68	3.88e-03	0.07	-0.06	0.0	3.83e-06	-1.61e-06
138	88	3.53e-03	-0.16	-0.05	0.0	3.46e-06	-1.64e-06
138	92	5.00e-03	-0.02	-0.06	0.0	4.89e-06	-1.78e-06
138	98	3.96e-03	-0.01	-0.05	0.0	3.88e-06	-1.50e-06
138	105	3.55e-03	-0.04	-0.05	0.0	3.49e-06	-1.45e-06
138	107	3.67e-03	-0.01	-0.05	0.0	3.60e-06	-1.43e-06
138	112	2.40	1.54	-0.05	0.0	2.26e-03	-1.30e-04
138	136	1.37	1.70	-0.08	0.0	1.29e-03	-8.30e-05
138	139	-1.36	-1.73	-0.02	0.0	-1.28e-03	8.01e-05
138	144	2.70	1.73	-0.05	0.0	2.55e-03	-1.46e-04

138	168	1.55	1.92	-0.08	0.0	1.46e-03	-9.36e-05
138	171	-1.54	-1.94	-0.02	0.0	-1.45e-03	9.08e-05
138	176	2.72	1.73	-0.05	0.0	2.57e-03	-1.46e-04
138	200	1.59	1.93	-0.08	0.0	1.50e-03	-9.55e-05
138	203	-1.59	-1.95	-0.02	0.0	-1.49e-03	9.26e-05
138	216	3.24	2.16	-0.07	0.0	3.05e-03	-1.97e-04
138	232	1.91	2.27	-0.08	0.0	1.80e-03	-1.14e-04
138	235	-1.90	-2.30	-0.02	0.0	-1.79e-03	1.11e-04
139	4	8.64e-03	0.17	-0.14	0.0	5.83e-06	-3.17e-06
139	44	7.82e-03	-0.37	-0.11	0.0	5.20e-06	-3.26e-06
139	52	0.01	-0.03	-0.14	0.0	7.40e-06	-3.55e-06
139	68	5.93e-03	0.11	-0.10	0.0	4.01e-06	-2.25e-06
139	88	5.38e-03	-0.25	-0.08	0.0	3.58e-06	-2.31e-06
139	92	7.60e-03	-0.02	-0.10	0.0	5.05e-06	-2.51e-06
139	98	6.03e-03	-0.02	-0.08	0.0	4.03e-06	-2.10e-06
139	105	5.41e-03	-0.06	-0.08	0.0	3.62e-06	-2.03e-06
139	107	5.59e-03	-0.02	-0.08	0.0	3.74e-06	-2.01e-06
139	112	3.58	2.33	-0.07	0.0	2.23e-03	-1.94e-04
139	136	2.04	2.57	-0.12	0.0	1.27e-03	-1.23e-04
139	139	-2.03	-2.61	-0.04	0.0	-1.26e-03	1.19e-04
139	144	4.03	2.62	-0.07	0.0	2.52e-03	-2.19e-04
139	168	2.31	2.90	-0.12	0.0	1.44e-03	-1.39e-04
139	171	-2.30	-2.94	-0.03	0.0	-1.43e-03	1.35e-04
139	176	4.06	2.61	-0.07	0.0	2.53e-03	-2.19e-04
139	200	2.38	2.91	-0.12	0.0	1.48e-03	-1.42e-04
139	203	-2.37	-2.95	-0.03	0.0	-1.47e-03	1.38e-04
139	216	4.84	3.27	-0.11	0.0	3.01e-03	-2.93e-04
139	232	2.85	3.44	-0.13	0.0	1.77e-03	-1.70e-04
139	235	-2.84	-3.47	-0.03	0.0	-1.77e-03	1.66e-04
140	4	0.01	0.23	-0.19	0.0	6.13e-06	-3.83e-06
140	44	0.01	-0.49	-0.16	0.0	5.38e-06	-4.01e-06
140	52	0.02	-0.03	-0.19	0.0	7.67e-06	-4.35e-06
140	68	8.08e-03	0.15	-0.14	0.0	4.22e-06	-2.72e-06
140	88	7.29e-03	-0.33	-0.11	0.0	3.72e-06	-2.84e-06
140	92	0.01	-0.02	-0.13	0.0	5.25e-06	-3.06e-06
140	98	8.19e-03	-0.02	-0.11	0.0	4.19e-06	-2.57e-06
140	105	7.35e-03	-0.08	-0.11	0.0	3.77e-06	-2.48e-06
140	107	7.59e-03	-0.02	-0.11	0.0	3.90e-06	-2.45e-06
140	112	4.74	3.12	-0.10	0.0	2.20e-03	-2.59e-04
140	136	2.71	3.45	-0.16	0.0	1.25e-03	-1.63e-04
140	139	-2.69	-3.49	-0.05	0.0	-1.24e-03	1.58e-04
140	144	5.34	3.52	-0.10	0.0	2.48e-03	-2.92e-04
140	168	3.06	3.89	-0.16	0.0	1.42e-03	-1.84e-04
140	171	-3.05	-3.93	-0.05	0.0	-1.41e-03	1.79e-04
140	176	5.38	3.50	-0.10	0.0	2.50e-03	-2.92e-04
140	200	3.15	3.91	-0.16	0.0	1.46e-03	-1.88e-04
140	203	-3.13	-3.95	-0.05	0.0	-1.45e-03	1.83e-04
140	216	6.41	4.39	-0.15	0.0	2.96e-03	-3.87e-04
140	232	3.77	4.61	-0.17	0.0	1.74e-03	-2.24e-04
140	235	-3.76	-4.65	-0.04	0.0	-1.74e-03	2.19e-04
141	4	2.06e-03	0.05	-0.04	0.0	4.08e-06	-1.36e-06
141	44	1.80e-03	-0.12	-0.03	0.0	3.56e-06	-1.35e-06
141	52	2.82e-03	-0.01	-0.04	0.0	5.54e-06	-1.48e-06
141	68	1.39e-03	0.04	-0.03	0.0	2.77e-06	0.0
141	88	1.22e-03	-0.08	-0.02	0.0	2.42e-06	0.0
141	92	1.90e-03	-8.39e-03	-0.03	0.0	3.74e-06	-1.05e-06
141	98	1.48e-03	-7.18e-03	-0.02	0.0	2.91e-06	0.0
141	105	1.29e-03	-0.02	-0.02	0.0	2.55e-06	0.0
141	107	1.35e-03	-6.88e-03	-0.02	0.0	2.67e-06	0.0
141	112	1.17	0.76	-0.02	0.0	2.21e-03	-6.42e-05
141	134	0.05	0.50	-0.03	0.0	9.53e-05	-5.28e-06
141	139	-0.66	-0.86	-0.02	0.0	-1.26e-03	3.95e-05
141	144	1.32	0.86	-0.02	0.0	2.49e-03	-7.22e-05
141	166	0.06	0.56	-0.03	0.0	1.09e-04	-5.92e-06
141	171	-0.75	-0.97	-0.02	0.0	-1.42e-03	4.47e-05
141	176	1.32	0.86	-0.02	0.0	2.51e-03	-7.21e-05
141	200	0.77	0.96	-0.03	0.0	1.47e-03	-4.73e-05
141	203	-0.77	-0.97	-0.02	0.0	-1.46e-03	4.56e-05
141	216	1.57	1.07	-0.03	0.0	2.98e-03	-9.77e-05
141	232	0.93	1.13	-0.03	0.0	1.76e-03	-5.65e-05
141	235	-0.92	-1.14	-0.02	0.0	-1.75e-03	5.48e-05
142	1	0.0	0.0	0.0	0.0	0.0	0.0
142	65	0.0	0.0	0.0	0.0	0.0	0.0
142	97	0.0	0.0	0.0	0.0	1.19e-06	0.0
142	106	0.0	0.0	0.0	0.0	1.19e-06	0.0

142	108	0.0	0.0	0.0	0.0	1.81e-03	-3.24e-06
142	140	0.0	0.0	0.0	0.0	2.04e-03	-3.63e-06
142	172	0.0	0.0	0.0	0.0	2.05e-03	-3.61e-06
142	204	0.0	0.0	0.0	0.0	2.41e-03	-4.22e-06
143	4	4.23e-03	0.11	-0.08	0.0	4.39e-06	-2.58e-06
143	44	3.70e-03	-0.24	-0.07	0.0	3.81e-06	-2.58e-06
143	52	5.76e-03	-0.02	-0.08	0.0	5.84e-06	-2.84e-06
143	68	2.87e-03	0.07	-0.06	0.0	2.99e-06	-1.84e-06
143	88	2.51e-03	-0.16	-0.05	0.0	2.60e-06	-1.83e-06
143	92	3.89e-03	-0.01	-0.06	0.0	3.95e-06	-2.00e-06
143	98	3.02e-03	-0.01	-0.05	0.0	3.10e-06	-1.69e-06
143	105	2.65e-03	-0.04	-0.05	0.0	2.73e-06	-1.62e-06
143	107	2.77e-03	-0.01	-0.05	0.0	2.85e-06	-1.61e-06
143	112	2.33	1.54	-0.04	0.0	2.19e-03	-1.30e-04
143	134	0.10	1.01	-0.06	0.0	9.37e-05	-1.05e-05
143	139	-1.32	-1.73	-0.03	0.0	-1.24e-03	8.01e-05
143	144	2.62	1.74	-0.04	0.0	2.47e-03	-1.47e-04
143	166	0.11	1.14	-0.06	0.0	1.07e-04	-1.18e-05
143	171	-1.49	-1.95	-0.03	0.0	-1.41e-03	9.08e-05
143	176	2.64	1.73	-0.04	0.0	2.49e-03	-1.47e-04
143	200	1.54	1.93	-0.06	0.0	1.45e-03	-9.59e-05
143	203	-1.54	-1.95	-0.03	0.0	-1.45e-03	9.26e-05
143	216	3.13	2.17	-0.05	0.0	2.95e-03	-1.98e-04
143	232	1.85	2.28	-0.06	0.0	1.74e-03	-1.14e-04
143	235	-1.84	-2.30	-0.03	0.0	-1.73e-03	1.11e-04
144	4	6.63e-03	0.17	-0.12	0.0	4.85e-06	-3.66e-06
144	44	5.77e-03	-0.36	-0.10	0.0	4.18e-06	-3.66e-06
144	52	8.92e-03	-0.03	-0.12	0.0	6.28e-06	-4.04e-06
144	68	4.50e-03	0.11	-0.09	0.0	3.31e-06	-2.60e-06
144	88	3.93e-03	-0.24	-0.07	0.0	2.86e-06	-2.60e-06
144	92	6.02e-03	-0.02	-0.09	0.0	4.27e-06	-2.85e-06
144	98	4.70e-03	-0.02	-0.07	0.0	3.37e-06	-2.40e-06
144	105	4.13e-03	-0.06	-0.07	0.0	2.98e-06	-2.31e-06
144	107	4.32e-03	-0.02	-0.07	0.0	3.11e-06	-2.30e-06
144	112	3.47	2.33	-0.07	0.0	2.16e-03	-1.95e-04
144	134	0.15	1.53	-0.08	0.0	9.13e-05	-1.52e-05
144	139	-1.97	-2.61	-0.05	0.0	-1.23e-03	1.19e-04
144	144	3.91	2.62	-0.07	0.0	2.44e-03	-2.20e-04
144	166	0.17	1.72	-0.09	0.0	1.04e-04	-1.71e-05
144	171	-2.23	-2.94	-0.05	0.0	-1.39e-03	1.35e-04
144	176	3.94	2.61	-0.07	0.0	2.46e-03	-2.20e-04
144	200	2.30	2.92	-0.09	0.0	1.43e-03	-1.43e-04
144	203	-2.29	-2.95	-0.05	0.0	-1.43e-03	1.38e-04
144	216	4.67	3.27	-0.08	0.0	2.91e-03	-2.94e-04
144	232	2.76	3.44	-0.09	0.0	1.72e-03	-1.70e-04
144	235	-2.75	-3.47	-0.05	0.0	-1.71e-03	1.66e-04
145	4	9.31e-03	0.24	-0.17	0.0	5.38e-06	-4.55e-06
145	44	8.07e-03	-0.48	-0.14	0.0	4.60e-06	-4.55e-06
145	52	0.01	-0.03	-0.17	0.0	6.79e-06	-5.04e-06
145	68	6.33e-03	0.16	-0.12	0.0	3.69e-06	-3.23e-06
145	88	5.50e-03	-0.32	-0.10	0.0	3.17e-06	-3.23e-06
145	92	8.35e-03	-0.02	-0.12	0.0	4.63e-06	-3.56e-06
145	98	6.55e-03	-0.02	-0.10	0.0	3.68e-06	-2.99e-06
145	105	5.77e-03	-0.08	-0.10	0.0	3.28e-06	-2.88e-06
145	107	6.03e-03	-0.02	-0.10	0.0	3.42e-06	-2.86e-06
145	112	4.60	3.12	-0.09	0.0	2.13e-03	-2.61e-04
145	134	0.20	2.05	-0.12	0.0	8.85e-05	-1.95e-05
145	139	-2.61	-3.49	-0.07	0.0	-1.20e-03	1.58e-04
145	144	5.18	3.52	-0.09	0.0	2.41e-03	-2.94e-04
145	166	0.22	2.31	-0.12	0.0	1.01e-04	-2.19e-05
145	171	-2.95	-3.93	-0.07	0.0	-1.36e-03	1.79e-04
145	176	5.22	3.50	-0.09	0.0	2.42e-03	-2.93e-04
145	200	3.05	3.91	-0.12	0.0	1.41e-03	-1.89e-04
145	203	-3.03	-3.95	-0.07	0.0	-1.40e-03	1.83e-04
145	216	6.18	4.39	-0.11	0.0	2.86e-03	-3.89e-04
145	232	3.65	4.62	-0.12	0.0	1.69e-03	-2.26e-04
145	235	-3.64	-4.65	-0.07	0.0	-1.68e-03	2.20e-04
146	4	1.20e-03	0.05	-0.04	0.0	2.53e-06	-1.51e-06
146	44	9.58e-04	-0.12	-0.03	0.0	2.03e-06	-1.48e-06
146	52	1.90e-03	-0.01	-0.04	0.0	3.85e-06	-1.64e-06
146	68	7.84e-04	0.04	-0.03	0.0	1.66e-06	-1.07e-06
146	88	6.20e-04	-0.08	-0.02	0.0	1.33e-06	-1.05e-06
146	92	1.25e-03	-7.87e-03	-0.03	0.0	2.54e-06	-1.16e-06
146	98	9.23e-04	-6.74e-03	-0.02	0.0	1.90e-06	0.0
146	105	7.58e-04	-0.02	-0.02	0.0	1.58e-06	0.0

146	107	8.23e-04	-6.45e-03	-0.02	0.0	1.71e-06	0.0
146	112	1.13	0.76	-0.02	0.0	2.14e-03	-6.48e-05
146	134	0.05	0.50	-0.02	0.0	9.24e-05	-5.34e-06
146	139	-0.64	-0.86	-0.02	0.0	-1.22e-03	3.96e-05
146	144	1.28	0.86	-0.02	0.0	2.42e-03	-7.29e-05
146	166	0.06	0.57	-0.02	0.0	1.06e-04	-5.98e-06
146	171	-0.73	-0.97	-0.02	0.0	-1.38e-03	4.50e-05
146	176	1.28	0.86	-0.02	0.0	2.43e-03	-7.28e-05
146	198	0.06	0.57	-0.02	0.0	1.15e-04	-6.35e-06
146	203	-0.75	-0.97	-0.02	0.0	-1.41e-03	4.59e-05
146	208	1.51	1.01	-0.02	0.0	2.87e-03	-8.55e-05
146	230	0.08	0.66	-0.02	0.0	1.42e-04	-7.68e-06
146	235	-0.89	-1.14	-0.02	0.0	-1.69e-03	5.51e-05
147	1	0.0	0.0	0.0	0.0	0.0	0.0
147	65	0.0	0.0	0.0	0.0	0.0	0.0
147	97	0.0	0.0	0.0	0.0	0.0	0.0
147	106	0.0	0.0	0.0	0.0	0.0	0.0
147	108	0.0	0.0	0.0	0.0	1.75e-03	-3.28e-06
147	140	0.0	0.0	0.0	0.0	1.97e-03	-3.68e-06
147	172	0.0	0.0	0.0	0.0	1.98e-03	-3.66e-06
147	204	0.0	0.0	0.0	0.0	2.34e-03	-4.27e-06
148	4	2.58e-03	0.11	-0.08	0.0	2.97e-06	-2.92e-06
148	44	2.07e-03	-0.24	-0.07	0.0	2.42e-06	-2.85e-06
148	52	3.96e-03	-0.02	-0.08	0.0	4.29e-06	-3.16e-06
148	68	1.69e-03	0.07	-0.05	0.0	1.98e-06	-2.07e-06
148	88	1.35e-03	-0.16	-0.05	0.0	1.61e-06	-2.03e-06
148	92	2.61e-03	-0.01	-0.05	0.0	2.85e-06	-2.24e-06
148	98	1.95e-03	-0.01	-0.05	0.0	2.17e-06	-1.89e-06
148	105	1.62e-03	-0.04	-0.04	0.0	1.84e-06	-1.81e-06
148	107	1.75e-03	-0.01	-0.04	0.0	1.96e-06	-1.81e-06
148	112	2.25	1.54	-0.04	0.0	2.12e-03	-1.32e-04
148	134	0.10	1.01	-0.05	0.0	9.10e-05	-1.06e-05
148	139	-1.28	-1.73	-0.04	0.0	-1.20e-03	8.04e-05
148	144	2.54	1.74	-0.04	0.0	2.39e-03	-1.48e-04
148	166	0.11	1.14	-0.05	0.0	1.04e-04	-1.19e-05
148	171	-1.45	-1.95	-0.04	0.0	-1.36e-03	9.11e-05
148	176	2.56	1.73	-0.04	0.0	2.41e-03	-1.48e-04
148	198	0.12	1.14	-0.05	0.0	1.14e-04	-1.27e-05
148	203	-1.49	-1.96	-0.04	0.0	-1.40e-03	9.30e-05
148	208	3.02	2.03	-0.04	0.0	2.84e-03	-1.74e-04
148	230	0.15	1.34	-0.05	0.0	1.41e-04	-1.53e-05
148	235	-1.78	-2.30	-0.04	0.0	-1.68e-03	1.12e-04
149	4	4.28e-03	0.17	-0.12	0.0	3.60e-06	-4.22e-06
149	44	3.45e-03	-0.36	-0.10	0.0	2.97e-06	-4.11e-06
149	52	6.35e-03	-0.03	-0.12	0.0	4.91e-06	-4.57e-06
149	68	2.83e-03	0.11	-0.08	0.0	2.43e-06	-3.00e-06
149	88	2.28e-03	-0.24	-0.07	0.0	2.00e-06	-2.92e-06
149	92	4.21e-03	-0.02	-0.08	0.0	3.30e-06	-3.23e-06
149	98	3.17e-03	-0.02	-0.07	0.0	2.55e-06	-2.73e-06
149	105	2.66e-03	-0.06	-0.07	0.0	2.20e-06	-2.62e-06
149	107	2.86e-03	-0.01	-0.07	0.0	2.33e-06	-2.61e-06
149	112	3.36	2.33	-0.06	0.0	2.10e-03	-1.97e-04
149	134	0.14	1.53	-0.07	0.0	8.90e-05	-1.55e-05
149	139	-1.91	-2.61	-0.06	0.0	-1.19e-03	1.20e-04
149	144	3.79	2.63	-0.06	0.0	2.36e-03	-2.22e-04
149	166	0.17	1.73	-0.07	0.0	1.02e-04	-1.74e-05
149	171	-2.16	-2.94	-0.06	0.0	-1.34e-03	1.36e-04
149	176	3.82	2.62	-0.06	0.0	2.38e-03	-2.21e-04
149	198	0.18	1.72	-0.07	0.0	1.11e-04	-1.85e-05
149	203	-2.22	-2.95	-0.06	0.0	-1.38e-03	1.39e-04
149	208	4.50	3.07	-0.06	0.0	2.81e-03	-2.60e-04
149	230	0.22	2.02	-0.07	0.0	1.38e-04	-2.24e-05
149	235	-2.66	-3.48	-0.06	0.0	-1.65e-03	1.66e-04
150	4	6.36e-03	0.24	-0.16	0.0	4.27e-06	-5.35e-06
150	44	5.18e-03	-0.48	-0.14	0.0	3.56e-06	-5.19e-06
150	52	9.11e-03	-0.03	-0.16	0.0	5.58e-06	-5.81e-06
150	68	4.24e-03	0.16	-0.11	0.0	2.90e-06	-3.80e-06
150	88	3.45e-03	-0.32	-0.10	0.0	2.43e-06	-3.69e-06
150	92	6.07e-03	-0.02	-0.11	0.0	3.77e-06	-4.11e-06
150	98	4.63e-03	-0.02	-0.10	0.0	2.96e-06	-3.47e-06
150	105	3.93e-03	-0.08	-0.09	0.0	2.59e-06	-3.33e-06
150	107	4.19e-03	-0.02	-0.09	0.0	2.72e-06	-3.32e-06
150	112	4.46	3.12	-0.09	0.0	2.07e-03	-2.63e-04
150	134	0.19	2.05	-0.10	0.0	8.65e-05	-1.99e-05
150	139	-2.53	-3.49	-0.09	0.0	-1.17e-03	1.59e-04

150	144	5.02	3.52	-0.09	0.0	2.33e-03	-2.96e-04
150	166	0.22	2.31	-0.10	0.0	9.90e-05	-2.24e-05
150	171	-2.86	-3.93	-0.09	0.0	-1.32e-03	1.80e-04
150	176	5.06	3.51	-0.09	0.0	2.34e-03	-2.95e-04
150	198	0.24	2.31	-0.10	0.0	1.09e-04	-2.39e-05
150	203	-2.94	-3.95	-0.09	0.0	-1.36e-03	1.84e-04
150	208	5.97	4.12	-0.09	0.0	2.77e-03	-3.47e-04
150	230	0.29	2.71	-0.10	0.0	1.34e-04	-2.91e-05
150	235	-3.52	-4.65	-0.09	0.0	-1.63e-03	2.21e-04
151	20	-1.30e-03	0.10	-0.02	0.0	-2.34e-06	0.0
151	28	5.76e-04	-0.08	-0.04	0.0	1.39e-06	-1.73e-06
151	44	4.42e-05	-0.12	-0.03	0.0	0.0	-1.53e-06
151	73	-8.97e-04	0.07	-0.02	0.0	-1.58e-06	0.0
151	80	3.25e-04	-0.05	-0.03	0.0	0.0	-1.22e-06
151	88	-2.99e-05	-0.08	-0.02	0.0	0.0	-1.09e-06
151	98	3.16e-04	-6.32e-03	-0.02	0.0	0.0	-1.02e-06
151	102	-3.36e-04	0.01	-0.02	0.0	0.0	0.0
151	105	1.76e-04	-0.02	-0.02	0.0	0.0	0.0
151	107	2.43e-04	-6.05e-03	-0.02	0.0	0.0	0.0
151	111	-0.89	-0.75	-0.02	0.0	-1.69e-03	5.10e-05
151	112	1.10	0.77	-0.02	0.0	2.08e-03	-6.60e-05
151	139	-0.62	-0.86	-0.02	0.0	-1.18e-03	4.01e-05
151	143	-1.00	-0.85	-0.02	0.0	-1.90e-03	5.75e-05
151	144	1.23	0.86	-0.02	0.0	2.34e-03	-7.42e-05
151	171	-0.70	-0.97	-0.02	0.0	-1.33e-03	4.55e-05
151	175	-1.01	-0.84	-0.02	0.0	-1.91e-03	5.73e-05
151	176	1.24	0.86	-0.02	0.0	2.36e-03	-7.42e-05
151	203	-0.72	-0.97	-0.02	0.0	-1.37e-03	4.65e-05
151	207	-1.19	-0.98	-0.02	0.0	-2.25e-03	6.73e-05
151	208	1.47	1.01	-0.02	0.0	2.78e-03	-8.71e-05
151	235	-0.86	-1.15	-0.02	0.0	-1.64e-03	5.59e-05
152	1	0.0	0.0	0.0	0.0	-1.52e-06	0.0
152	65	0.0	0.0	0.0	0.0	-1.12e-06	0.0
152	97	0.0	0.0	0.0	0.0	0.0	0.0
152	106	0.0	0.0	0.0	0.0	0.0	0.0
152	108	0.0	0.0	0.0	0.0	1.70e-03	-3.34e-06
152	140	0.0	0.0	0.0	0.0	1.91e-03	-3.75e-06
152	172	0.0	0.0	0.0	0.0	1.92e-03	-3.73e-06
152	204	0.0	0.0	0.0	0.0	2.26e-03	-4.36e-06
153	20	-2.50e-03	0.21	-0.03	0.0	-2.10e-06	-1.09e-06
153	28	1.36e-03	-0.15	-0.08	0.0	1.92e-06	-3.39e-06
153	44	2.72e-04	-0.24	-0.07	0.0	0.0	-3.01e-06
153	73	-1.70e-03	0.14	-0.03	0.0	-1.34e-06	-1.25e-06
153	80	7.96e-04	-0.10	-0.05	0.0	1.20e-06	-2.39e-06
153	88	7.15e-05	-0.16	-0.05	0.0	0.0	-2.14e-06
153	98	7.56e-04	-0.01	-0.05	0.0	1.10e-06	-2.01e-06
153	105	4.70e-04	-0.04	-0.04	0.0	0.0	-1.93e-06
153	107	6.04e-04	-0.01	-0.04	0.0	0.0	-1.92e-06
153	111	-1.78	-1.51	-0.05	0.0	-1.67e-03	1.04e-04
153	112	2.18	1.54	-0.04	0.0	2.06e-03	-1.34e-04
153	139	-1.24	-1.73	-0.05	0.0	-1.17e-03	8.12e-05
153	143	-2.00	-1.70	-0.05	0.0	-1.88e-03	1.17e-04
153	144	2.46	1.74	-0.04	0.0	2.32e-03	-1.51e-04
153	171	-1.40	-1.95	-0.05	0.0	-1.32e-03	9.21e-05
153	175	-2.01	-1.69	-0.05	0.0	-1.89e-03	1.16e-04
153	176	2.48	1.73	-0.04	0.0	2.33e-03	-1.50e-04
153	203	-1.44	-1.96	-0.05	0.0	-1.35e-03	9.41e-05
153	207	-2.37	-1.97	-0.05	0.0	-2.23e-03	1.37e-04
153	208	2.92	2.03	-0.04	0.0	2.75e-03	-1.77e-04
153	235	-1.72	-2.31	-0.05	0.0	-1.62e-03	1.13e-04
154	20	-3.53e-03	0.32	-0.05	0.0	-1.76e-06	-1.65e-06
154	28	2.53e-03	-0.23	-0.12	0.0	2.72e-06	-5.01e-06
154	44	8.46e-04	-0.36	-0.10	0.0	1.53e-06	-4.44e-06
154	73	-2.33e-03	0.21	-0.05	0.0	0.0	-1.87e-06
154	80	1.54e-03	-0.15	-0.08	0.0	1.77e-06	-3.54e-06
154	88	4.20e-04	-0.24	-0.07	0.0	0.0	-3.17e-06
154	98	1.43e-03	-0.01	-0.07	0.0	1.57e-06	-2.98e-06
154	105	9.87e-04	-0.06	-0.07	0.0	1.27e-06	-2.86e-06
154	107	1.19e-03	-0.01	-0.07	0.0	1.39e-06	-2.86e-06
154	111	-2.65	-2.28	-0.07	0.0	-1.65e-03	1.55e-04
154	112	3.26	2.33	-0.06	0.0	2.03e-03	-2.00e-04
154	139	-1.85	-2.61	-0.07	0.0	-1.15e-03	1.21e-04
154	143	-2.98	-2.57	-0.07	0.0	-1.86e-03	1.74e-04
154	144	3.67	2.63	-0.06	0.0	2.29e-03	-2.25e-04
154	171	-2.09	-2.94	-0.07	0.0	-1.30e-03	1.37e-04

154	175	-3.00	-2.54	-0.07	0.0	-1.87e-03	1.74e-04
154	176	3.70	2.62	-0.06	0.0	2.30e-03	-2.24e-04
154	203	-2.14	-2.95	-0.07	0.0	-1.33e-03	1.40e-04
154	207	-3.53	-2.97	-0.07	0.0	-2.20e-03	2.04e-04
154	208	4.36	3.07	-0.06	0.0	2.72e-03	-2.63e-04
154	235	-2.57	-3.48	-0.07	0.0	-1.60e-03	1.68e-04
155	28	4.19e-03	-0.30	-0.16	0.0	3.58e-06	-6.50e-06
155	44	1.87e-03	-0.48	-0.14	0.0	2.31e-06	-5.76e-06
155	52	5.39e-03	-0.03	-0.16	0.0	4.13e-06	-6.49e-06
155	80	2.64e-03	-0.20	-0.11	0.0	2.38e-06	-4.60e-06
155	88	1.09e-03	-0.32	-0.10	0.0	1.54e-06	-4.11e-06
155	92	3.44e-03	-0.02	-0.11	0.0	2.75e-06	-4.60e-06
155	98	2.40e-03	-0.02	-0.10	0.0	2.09e-06	-3.89e-06
155	105	1.79e-03	-0.08	-0.09	0.0	1.77e-06	-3.73e-06
155	107	2.06e-03	-0.02	-0.09	0.0	1.89e-06	-3.73e-06
155	111	-3.51	-3.05	-0.10	0.0	-1.62e-03	2.06e-04
155	112	4.31	3.13	-0.08	0.0	2.00e-03	-2.65e-04
155	139	-2.44	-3.49	-0.10	0.0	-1.13e-03	1.59e-04
155	143	-3.95	-3.44	-0.10	0.0	-1.83e-03	2.32e-04
155	144	4.86	3.52	-0.08	0.0	2.25e-03	-2.99e-04
155	171	-2.76	-3.93	-0.10	0.0	-1.28e-03	1.81e-04
155	175	-3.97	-3.40	-0.10	0.0	-1.84e-03	2.31e-04
155	176	4.89	3.51	-0.08	0.0	2.27e-03	-2.98e-04
155	203	-2.84	-3.95	-0.10	0.0	-1.31e-03	1.85e-04
155	207	-4.68	-3.98	-0.10	0.0	-2.16e-03	2.72e-04
155	208	5.77	4.12	-0.08	0.0	2.67e-03	-3.50e-04
155	235	-3.40	-4.65	-0.10	0.0	-1.57e-03	2.22e-04
156	16	-1.76e-03	0.10	-0.02	0.0	-3.21e-06	0.0
156	28	-4.61e-04	-0.08	-0.04	0.0	0.0	-1.62e-06
156	44	-8.73e-04	-0.12	-0.04	0.0	-1.41e-06	-1.43e-06
156	73	-1.28e-03	0.07	-0.02	0.0	-2.32e-06	0.0
156	80	-4.07e-04	-0.05	-0.03	0.0	0.0	-1.14e-06
156	88	-6.82e-04	-0.08	-0.02	0.0	-1.12e-06	-1.01e-06
156	98	-2.98e-04	-5.95e-03	-0.02	0.0	0.0	0.0
156	102	-7.44e-04	0.01	-0.02	0.0	-1.31e-06	0.0
156	105	-4.12e-04	-0.02	-0.02	0.0	0.0	0.0
156	106	-6.22e-04	-4.16e-03	-0.02	0.0	-1.07e-06	0.0
156	107	-3.44e-04	-5.69e-03	-0.02	0.0	0.0	0.0
156	115	-1.06	-0.78	-0.03	0.0	-2.01e-03	6.58e-05
156	127	0.04	-0.77	-0.03	0.0	7.11e-05	-4.92e-06
156	139	-0.60	-0.86	-0.03	0.0	-1.14e-03	4.10e-05
156	147	-1.19	-0.88	-0.03	0.0	-2.26e-03	7.43e-05
156	159	0.04	-0.87	-0.03	0.0	8.17e-05	-5.51e-06
156	171	-0.68	-0.97	-0.03	0.0	-1.29e-03	4.65e-05
156	179	-1.20	-0.87	-0.03	0.0	-2.28e-03	7.43e-05
156	191	0.05	-0.85	-0.03	0.0	8.96e-05	-5.88e-06
156	203	-0.70	-0.97	-0.03	0.0	-1.32e-03	4.76e-05
156	211	-1.42	-1.02	-0.03	0.0	-2.69e-03	8.76e-05
156	215	-1.13	-1.05	-0.03	0.0	-2.14e-03	8.22e-05
156	235	-0.83	-1.15	-0.03	0.0	-1.58e-03	5.72e-05
157	1	0.0	0.0	0.0	0.0	-2.48e-06	0.0
157	65	0.0	0.0	0.0	0.0	-1.84e-06	0.0
157	97	0.0	0.0	0.0	0.0	-1.14e-06	0.0
157	106	0.0	0.0	0.0	0.0	-1.14e-06	0.0
157	108	0.0	0.0	0.0	0.0	1.64e-03	-3.42e-06
157	140	0.0	0.0	0.0	0.0	1.85e-03	-3.84e-06
157	172	0.0	0.0	0.0	0.0	1.85e-03	-3.83e-06
157	204	0.0	0.0	0.0	0.0	2.18e-03	-4.47e-06
158	16	-3.42e-03	0.21	-0.04	0.0	-2.91e-06	-1.59e-06
158	28	-7.26e-04	-0.15	-0.08	0.0	0.0	-3.26e-06
158	44	-1.57e-03	-0.24	-0.07	0.0	0.0	-2.87e-06
158	73	-2.48e-03	0.14	-0.03	0.0	-2.10e-06	-1.19e-06
158	80	-6.77e-04	-0.10	-0.06	0.0	0.0	-2.30e-06
158	88	-1.24e-03	-0.16	-0.05	0.0	0.0	-2.04e-06
158	98	-4.82e-04	-0.01	-0.05	0.0	0.0	-1.93e-06
158	102	-1.41e-03	0.02	-0.03	0.0	-1.10e-06	-1.28e-06
158	105	-7.16e-04	-0.04	-0.04	0.0	0.0	-1.85e-06
158	106	-1.17e-03	-7.48e-03	-0.03	0.0	0.0	-1.33e-06
158	107	-5.81e-04	-0.01	-0.04	0.0	0.0	-1.85e-06
158	115	-2.11	-1.57	-0.05	0.0	-1.99e-03	1.33e-04
158	127	0.07	-1.55	-0.06	0.0	7.08e-05	-9.89e-06
158	139	-1.20	-1.73	-0.05	0.0	-1.13e-03	8.28e-05
158	147	-2.38	-1.76	-0.06	0.0	-2.24e-03	1.50e-04
158	159	0.09	-1.74	-0.06	0.0	8.13e-05	-1.11e-05
158	171	-1.35	-1.95	-0.06	0.0	-1.27e-03	9.39e-05

158	179	-2.40	-1.75	-0.06	0.0	-2.26e-03	1.50e-04
158	191	0.09	-1.71	-0.06	0.0	8.91e-05	-1.18e-05
158	203	-1.39	-1.96	-0.06	0.0	-1.31e-03	9.60e-05
158	211	-2.83	-2.06	-0.06	0.0	-2.66e-03	1.77e-04
158	215	-2.25	-2.11	-0.06	0.0	-2.12e-03	1.66e-04
158	235	-1.66	-2.31	-0.06	0.0	-1.57e-03	1.15e-04
159	16	-4.87e-03	0.32	-0.07	0.0	-2.43e-06	-2.51e-06
159	28	-6.00e-04	-0.23	-0.12	0.0	0.0	-4.99e-06
159	44	-1.93e-03	-0.36	-0.11	0.0	0.0	-4.42e-06
159	73	-3.52e-03	0.21	-0.05	0.0	-1.74e-06	-1.87e-06
159	80	-6.72e-04	-0.15	-0.08	0.0	0.0	-3.53e-06
159	88	-1.56e-03	-0.24	-0.08	0.0	0.0	-3.15e-06
159	98	-4.41e-04	-0.01	-0.07	0.0	0.0	-2.98e-06
159	102	-1.93e-03	0.03	-0.05	0.0	0.0	-2.01e-06
159	105	-8.02e-04	-0.06	-0.07	0.0	0.0	-2.85e-06
159	106	-1.56e-03	-9.66e-03	-0.05	0.0	0.0	-2.08e-06
159	107	-6.01e-04	-0.01	-0.07	0.0	0.0	-2.85e-06
159	115	-3.15	-2.36	-0.08	0.0	-1.96e-03	1.98e-04
159	127	0.11	-2.34	-0.08	0.0	6.99e-05	-1.47e-05
159	139	-1.78	-2.61	-0.08	0.0	-1.11e-03	1.22e-04
159	147	-3.55	-2.66	-0.08	0.0	-2.21e-03	2.23e-04
159	159	0.13	-2.63	-0.09	0.0	8.03e-05	-1.64e-05
159	171	-2.02	-2.94	-0.08	0.0	-1.25e-03	1.39e-04
159	179	-3.57	-2.65	-0.08	0.0	-2.22e-03	2.23e-04
159	191	0.14	-2.57	-0.09	0.0	8.81e-05	-1.75e-05
159	203	-2.07	-2.95	-0.08	0.0	-1.29e-03	1.42e-04
159	211	-4.21	-3.10	-0.09	0.0	-2.62e-03	2.63e-04
159	215	-3.36	-3.18	-0.09	0.0	-2.09e-03	2.44e-04
159	235	-2.48	-3.48	-0.09	0.0	-1.54e-03	1.71e-04
160	16	-6.00e-03	0.43	-0.09	0.0	-1.82e-06	-3.50e-06
160	28	8.84e-05	-0.30	-0.17	0.0	1.90e-06	-6.77e-06
160	44	-1.77e-03	-0.48	-0.15	0.0	0.0	-6.00e-06
160	73	-4.33e-03	0.29	-0.07	0.0	-1.30e-06	-2.62e-06
160	80	-2.70e-04	-0.20	-0.12	0.0	1.18e-06	-4.80e-06
160	88	-1.51e-03	-0.32	-0.10	0.0	0.0	-4.29e-06
160	98	-7.02e-05	-0.02	-0.10	0.0	1.05e-06	-4.07e-06
160	102	-2.23e-03	0.05	-0.06	0.0	0.0	-2.78e-06
160	105	-5.72e-04	-0.08	-0.09	0.0	0.0	-3.90e-06
160	106	-1.73e-03	-0.01	-0.07	0.0	0.0	-2.88e-06
160	107	-3.08e-04	-0.01	-0.09	0.0	0.0	-3.90e-06
160	115	-4.17	-3.16	-0.11	0.0	-1.93e-03	2.61e-04
160	127	0.15	-3.13	-0.11	0.0	6.87e-05	-1.93e-05
160	139	-2.36	-3.49	-0.11	0.0	-1.09e-03	1.61e-04
160	147	-4.70	-3.56	-0.12	0.0	-2.17e-03	2.95e-04
160	159	0.17	-3.52	-0.12	0.0	7.88e-05	-2.16e-05
160	171	-2.67	-3.94	-0.12	0.0	-1.23e-03	1.82e-04
160	179	-4.73	-3.54	-0.12	0.0	-2.19e-03	2.95e-04
160	191	0.19	-3.44	-0.12	0.0	8.66e-05	-2.30e-05
160	203	-2.74	-3.95	-0.12	0.0	-1.27e-03	1.86e-04
160	211	-5.58	-4.15	-0.12	0.0	-2.58e-03	3.47e-04
160	215	-4.45	-4.25	-0.12	0.0	-2.06e-03	3.20e-04
160	235	-3.28	-4.65	-0.12	0.0	-1.52e-03	2.24e-04
161	16	-2.19e-03	0.10	-0.02	0.0	-4.09e-06	0.0
161	28	-1.38e-03	-0.08	-0.04	0.0	-2.41e-06	-1.29e-06
161	44	-1.67e-03	-0.12	-0.04	0.0	-3.01e-06	-1.13e-06
161	73	-1.60e-03	0.07	-0.02	0.0	-2.98e-06	0.0
161	80	-1.05e-03	-0.05	-0.03	0.0	-1.85e-06	0.0
161	88	-1.25e-03	-0.08	-0.03	0.0	-2.25e-06	0.0
161	98	-8.38e-04	-5.63e-03	-0.02	0.0	-1.48e-06	0.0
161	102	-1.09e-03	0.01	-0.02	0.0	-2.02e-06	0.0
161	105	-9.27e-04	-0.02	-0.02	0.0	-1.66e-06	0.0
161	106	-9.86e-04	-3.94e-03	-0.02	0.0	-1.81e-06	0.0
161	107	-8.59e-04	-5.39e-03	-0.02	0.0	-1.53e-06	0.0
161	115	-1.02	-0.78	-0.03	0.0	-1.94e-03	6.80e-05
161	127	0.04	-0.77	-0.03	0.0	6.95e-05	-4.60e-06
161	139	-0.58	-0.86	-0.03	0.0	-1.10e-03	4.21e-05
161	147	-1.15	-0.88	-0.04	0.0	-2.19e-03	7.67e-05
161	159	0.04	-0.87	-0.04	0.0	7.99e-05	-5.17e-06
161	171	-0.65	-0.97	-0.04	0.0	-1.24e-03	4.77e-05
161	179	-1.16	-0.87	-0.04	0.0	-2.20e-03	7.68e-05
161	203	-0.67	-0.98	-0.04	0.0	-1.27e-03	4.88e-05
161	211	-1.37	-1.02	-0.04	0.0	-2.59e-03	9.06e-05
161	235	-0.80	-1.15	-0.04	0.0	-1.52e-03	5.87e-05
162	1	0.0	0.0	0.0	0.0	-3.32e-06	0.0
162	65	0.0	0.0	0.0	0.0	-2.47e-06	0.0

162	97	0.0	0.0	0.0	0.0	-1.85e-06	0.0
162	106	0.0	0.0	0.0	0.0	-1.85e-06	0.0
162	108	0.0	0.0	0.0	0.0	1.58e-03	-3.50e-06
162	140	0.0	0.0	0.0	0.0	1.78e-03	-3.93e-06
162	172	0.0	0.0	0.0	0.0	1.79e-03	-3.92e-06
162	204	0.0	0.0	0.0	0.0	2.10e-03	-4.59e-06
163	16	-4.33e-03	0.21	-0.05	0.0	-3.92e-06	-1.20e-06
163	28	-2.61e-03	-0.15	-0.08	0.0	-2.00e-06	-2.65e-06
163	44	-3.23e-03	-0.24	-0.08	0.0	-2.66e-06	-2.32e-06
163	73	-3.16e-03	0.14	-0.03	0.0	-2.85e-06	0.0
163	80	-2.01e-03	-0.10	-0.06	0.0	-1.57e-06	-1.87e-06
163	88	-2.42e-03	-0.16	-0.05	0.0	-2.01e-06	-1.65e-06
163	98	-1.60e-03	-0.01	-0.05	0.0	-1.26e-06	-1.57e-06
163	102	-2.15e-03	0.02	-0.03	0.0	-1.90e-06	-1.01e-06
163	105	-1.79e-03	-0.04	-0.05	0.0	-1.45e-06	-1.50e-06
163	106	-1.93e-03	-7.14e-03	-0.03	0.0	-1.69e-06	-1.06e-06
163	107	-1.65e-03	-9.82e-03	-0.05	0.0	-1.32e-06	-1.50e-06
163	115	-2.04	-1.57	-0.07	0.0	-1.92e-03	1.37e-04
163	127	0.07	-1.55	-0.07	0.0	6.93e-05	-9.29e-06
163	139	-1.15	-1.73	-0.07	0.0	-1.09e-03	8.49e-05
163	147	-2.30	-1.76	-0.07	0.0	-2.17e-03	1.55e-04
163	159	0.08	-1.74	-0.07	0.0	7.96e-05	-1.04e-05
163	171	-1.30	-1.95	-0.07	0.0	-1.23e-03	9.62e-05
163	179	-2.31	-1.76	-0.07	0.0	-2.18e-03	1.55e-04
163	203	-1.34	-1.96	-0.07	0.0	-1.26e-03	9.85e-05
163	211	-2.73	-2.06	-0.07	0.0	-2.57e-03	1.83e-04
163	235	-1.60	-2.31	-0.08	0.0	-1.51e-03	1.18e-04
164	16	-6.36e-03	0.32	-0.07	0.0	-3.59e-06	-2.05e-06
164	28	-3.57e-03	-0.23	-0.13	0.0	-1.29e-06	-4.26e-06
164	44	-4.55e-03	-0.36	-0.12	0.0	-2.03e-06	-3.75e-06
164	73	-4.63e-03	0.21	-0.05	0.0	-2.62e-06	-1.53e-06
164	80	-2.77e-03	-0.15	-0.09	0.0	-1.08e-06	-3.01e-06
164	88	-3.42e-03	-0.24	-0.08	0.0	-1.57e-06	-2.67e-06
164	98	-2.22e-03	-0.01	-0.07	0.0	0.0	-2.54e-06
164	102	-3.12e-03	0.04	-0.05	0.0	-1.66e-06	-1.68e-06
164	105	-2.50e-03	-0.06	-0.07	0.0	-1.07e-06	-2.43e-06
164	106	-2.80e-03	-9.19e-03	-0.05	0.0	-1.45e-06	-1.76e-06
164	107	-2.30e-03	-0.01	-0.07	0.0	0.0	-2.43e-06
164	115	-3.04	-2.36	-0.10	0.0	-1.90e-03	2.03e-04
164	127	0.11	-2.34	-0.10	0.0	6.87e-05	-1.39e-05
164	139	-1.72	-2.61	-0.10	0.0	-1.07e-03	1.25e-04
164	147	-3.43	-2.66	-0.11	0.0	-2.14e-03	2.29e-04
164	159	0.13	-2.63	-0.11	0.0	7.89e-05	-1.56e-05
164	171	-1.94	-2.94	-0.11	0.0	-1.21e-03	1.42e-04
164	179	-3.45	-2.65	-0.11	0.0	-2.15e-03	2.29e-04
164	203	-1.99	-2.95	-0.11	0.0	-1.24e-03	1.45e-04
164	211	-4.07	-3.10	-0.11	0.0	-2.54e-03	2.71e-04
164	235	-2.39	-3.48	-0.11	0.0	-1.49e-03	1.75e-04
165	16	-8.17e-03	0.43	-0.10	0.0	-3.05e-06	-3.16e-06
165	28	-4.06e-03	-0.30	-0.18	0.0	0.0	-6.22e-06
165	44	-5.45e-03	-0.48	-0.16	0.0	-1.08e-06	-5.50e-06
165	73	-5.95e-03	0.29	-0.07	0.0	-2.22e-06	-2.37e-06
165	80	-3.21e-03	-0.20	-0.13	0.0	0.0	-4.40e-06
165	88	-4.14e-03	-0.32	-0.11	0.0	0.0	-3.93e-06
165	98	-2.57e-03	-0.01	-0.10	0.0	0.0	-3.74e-06
165	102	-3.94e-03	0.05	-0.07	0.0	-1.27e-06	-2.55e-06
165	105	-2.96e-03	-0.07	-0.10	0.0	0.0	-3.58e-06
165	106	-3.50e-03	-9.77e-03	-0.07	0.0	-1.05e-06	-2.65e-06
165	107	-2.70e-03	-0.01	-0.10	0.0	0.0	-3.59e-06
165	115	-4.03	-3.16	-0.14	0.0	-1.87e-03	2.67e-04
165	127	0.15	-3.13	-0.14	0.0	6.77e-05	-1.86e-05
165	139	-2.28	-3.49	-0.14	0.0	-1.05e-03	1.64e-04
165	147	-4.54	-3.56	-0.15	0.0	-2.10e-03	3.01e-04
165	159	0.17	-3.52	-0.15	0.0	7.76e-05	-2.08e-05
165	171	-2.58	-3.94	-0.15	0.0	-1.19e-03	1.85e-04
165	179	-4.57	-3.54	-0.15	0.0	-2.12e-03	3.01e-04
165	203	-2.64	-3.95	-0.15	0.0	-1.22e-03	1.90e-04
165	211	-5.39	-4.15	-0.15	0.0	-2.50e-03	3.55e-04
165	235	-3.16	-4.66	-0.16	0.0	-1.46e-03	2.28e-04
166	16	-2.45e-03	0.10	-0.02	0.0	-4.68e-06	0.0
166	28	-2.02e-03	-0.08	-0.05	0.0	-3.75e-06	0.0
166	44	-2.23e-03	-0.12	-0.04	0.0	-4.18e-06	0.0
166	73	-1.79e-03	0.07	-0.02	0.0	-3.42e-06	0.0
166	80	-1.51e-03	-0.05	-0.03	0.0	-2.80e-06	0.0
166	88	-1.65e-03	-0.08	-0.03	0.0	-3.09e-06	0.0

166	98	-1.22e-03	-5.39e-03	-0.03	0.0	-2.28e-06	0.0
166	102	-1.33e-03	0.01	-0.02	0.0	-2.53e-06	0.0
166	105	-1.29e-03	-0.02	-0.03	0.0	-2.41e-06	0.0
166	106	-1.23e-03	-3.78e-03	-0.02	0.0	-2.35e-06	0.0
166	107	-1.22e-03	-5.16e-03	-0.03	0.0	-2.29e-06	0.0
166	115	-0.98	-0.78	-0.05	0.0	-1.87e-03	6.97e-05
166	127	0.04	-0.77	-0.05	0.0	6.83e-05	-4.15e-06
166	139	-0.56	-0.86	-0.05	0.0	-1.05e-03	4.30e-05
166	147	-1.11	-0.88	-0.05	0.0	-2.10e-03	7.86e-05
166	159	0.04	-0.87	-0.05	0.0	7.85e-05	-4.72e-06
166	171	-0.63	-0.97	-0.05	0.0	-1.19e-03	4.87e-05
166	179	-1.12	-0.87	-0.05	0.0	-2.12e-03	7.88e-05
166	203	-0.64	-0.98	-0.05	0.0	-1.22e-03	4.99e-05
166	211	-1.32	-1.02	-0.05	0.0	-2.50e-03	9.28e-05
166	235	-0.77	-1.15	-0.05	0.0	-1.46e-03	5.99e-05
167	1	0.0	0.0	0.0	0.0	-3.87e-06	0.0
167	65	0.0	0.0	0.0	0.0	-2.88e-06	0.0
167	97	0.0	0.0	0.0	0.0	-2.35e-06	0.0
167	106	0.0	0.0	0.0	0.0	-2.35e-06	0.0
167	108	0.0	0.0	0.0	0.0	1.52e-03	-3.53e-06
167	140	0.0	0.0	0.0	0.0	1.71e-03	-3.97e-06
167	172	0.0	0.0	0.0	0.0	1.72e-03	-3.96e-06
167	204	0.0	0.0	0.0	0.0	2.02e-03	-4.65e-06
168	16	-4.91e-03	0.21	-0.05	0.0	-4.70e-06	0.0
168	28	-3.98e-03	-0.15	-0.09	0.0	-3.59e-06	-1.55e-06
168	44	-4.42e-03	-0.24	-0.08	0.0	-4.06e-06	-1.34e-06
168	73	-3.59e-03	0.14	-0.04	0.0	-3.44e-06	0.0
168	80	-2.97e-03	-0.10	-0.07	0.0	-2.70e-06	-1.09e-06
168	88	-3.26e-03	-0.16	-0.06	0.0	-3.01e-06	0.0
168	98	-2.41e-03	-9.86e-03	-0.05	0.0	-2.22e-06	0.0
168	102	-2.66e-03	0.02	-0.04	0.0	-2.54e-06	0.0
168	105	-2.55e-03	-0.04	-0.05	0.0	-2.36e-06	0.0
168	106	-2.47e-03	-6.87e-03	-0.04	0.0	-2.36e-06	0.0
168	107	-2.42e-03	-9.43e-03	-0.05	0.0	-2.24e-06	0.0
168	115	-1.96	-1.57	-0.09	0.0	-1.85e-03	1.41e-04
168	127	0.07	-1.55	-0.09	0.0	6.81e-05	-8.39e-06
168	139	-1.11	-1.74	-0.09	0.0	-1.05e-03	8.69e-05
168	147	-2.21	-1.76	-0.10	0.0	-2.09e-03	1.59e-04
168	159	0.08	-1.74	-0.10	0.0	7.83e-05	-9.52e-06
168	171	-1.25	-1.96	-0.10	0.0	-1.18e-03	9.84e-05
168	179	-2.22	-1.76	-0.10	0.0	-2.10e-03	1.60e-04
168	203	-1.28	-1.96	-0.10	0.0	-1.21e-03	1.01e-04
168	211	-2.62	-2.06	-0.10	0.0	-2.47e-03	1.88e-04
168	235	-1.53	-2.31	-0.11	0.0	-1.45e-03	1.21e-04
169	16	-7.40e-03	0.32	-0.08	0.0	-4.73e-06	-1.07e-06
169	28	-5.84e-03	-0.23	-0.14	0.0	-3.34e-06	-2.66e-06
169	44	-6.53e-03	-0.36	-0.13	0.0	-3.87e-06	-2.31e-06
169	73	-5.41e-03	0.21	-0.06	0.0	-3.47e-06	0.0
169	80	-4.37e-03	-0.15	-0.10	0.0	-2.54e-06	-1.87e-06
169	88	-4.83e-03	-0.24	-0.09	0.0	-2.89e-06	-1.64e-06
169	98	-3.57e-03	-0.01	-0.08	0.0	-2.12e-06	-1.59e-06
169	102	-4.00e-03	0.04	-0.06	0.0	-2.55e-06	-1.01e-06
169	105	-3.79e-03	-0.06	-0.08	0.0	-2.27e-06	-1.51e-06
169	106	-3.72e-03	-8.80e-03	-0.06	0.0	-2.37e-06	-1.08e-06
169	107	-3.59e-03	-0.01	-0.08	0.0	-2.15e-06	-1.52e-06
169	115	-2.93	-2.36	-0.14	0.0	-1.83e-03	2.10e-04
169	127	0.11	-2.34	-0.14	0.0	6.76e-05	-1.26e-05
169	139	-1.65	-2.61	-0.14	0.0	-1.03e-03	1.29e-04
169	147	-3.30	-2.66	-0.14	0.0	-2.06e-03	2.37e-04
169	159	0.12	-2.63	-0.15	0.0	7.77e-05	-1.42e-05
169	171	-1.87	-2.94	-0.15	0.0	-1.17e-03	1.46e-04
169	179	-3.32	-2.65	-0.14	0.0	-2.07e-03	2.37e-04
169	203	-1.92	-2.96	-0.15	0.0	-1.20e-03	1.49e-04
169	211	-3.92	-3.10	-0.16	0.0	-2.45e-03	2.79e-04
169	235	-2.29	-3.48	-0.16	0.0	-1.43e-03	1.79e-04
170	16	-9.92e-03	0.43	-0.10	0.0	-4.62e-06	-2.02e-06
170	28	-7.57e-03	-0.30	-0.20	0.0	-2.88e-06	-4.35e-06
170	44	-8.56e-03	-0.48	-0.18	0.0	-3.48e-06	-3.82e-06
170	73	-7.27e-03	0.29	-0.08	0.0	-3.40e-06	-1.53e-06
170	80	-5.70e-03	-0.20	-0.14	0.0	-2.23e-06	-3.08e-06
170	88	-6.35e-03	-0.32	-0.13	0.0	-2.63e-06	-2.73e-06
170	98	-4.68e-03	-0.01	-0.11	0.0	-1.89e-06	-2.63e-06
170	102	-5.37e-03	0.05	-0.08	0.0	-2.47e-06	-1.75e-06
170	105	-4.99e-03	-0.07	-0.11	0.0	-2.06e-06	-2.51e-06
170	106	-4.99e-03	-9.18e-03	-0.08	0.0	-2.28e-06	-1.84e-06

170	107	-4.72e-03	-0.01	-0.11	0.0	-1.95e-06	-2.52e-06
170	115	-3.88	-3.16	-0.19	0.0	-1.81e-03	2.76e-04
170	127	0.14	-3.13	-0.19	0.0	6.67e-05	-1.69e-05
170	139	-2.19	-3.49	-0.19	0.0	-1.02e-03	1.68e-04
170	147	-4.38	-3.56	-0.20	0.0	-2.04e-03	3.11e-04
170	159	0.16	-3.52	-0.20	0.0	7.67e-05	-1.91e-05
170	171	-2.48	-3.94	-0.20	0.0	-1.15e-03	1.91e-04
170	179	-4.40	-3.54	-0.20	0.0	-2.05e-03	3.12e-04
170	203	-2.54	-3.95	-0.20	0.0	-1.18e-03	1.95e-04
170	211	-5.19	-4.15	-0.21	0.0	-2.41e-03	3.67e-04
170	235	-3.04	-4.66	-0.22	0.0	-1.41e-03	2.35e-04
171	18	-2.54e-03	0.10	-0.04	0.0	-4.89e-06	0.0
171	28	-2.28e-03	-0.08	-0.05	0.0	-4.35e-06	0.0
171	44	-2.45e-03	-0.12	-0.05	0.0	-4.69e-06	0.0
171	75	-1.85e-03	0.07	-0.03	0.0	-3.58e-06	0.0
171	80	-1.68e-03	-0.05	-0.04	0.0	-3.22e-06	0.0
171	88	-1.80e-03	-0.08	-0.03	0.0	-3.45e-06	0.0
171	98	-1.36e-03	-5.24e-03	-0.03	0.0	-2.63e-06	0.0
171	103	-1.44e-03	9.68e-03	-0.03	0.0	-2.77e-06	0.0
171	105	-1.43e-03	-0.02	-0.03	0.0	-2.75e-06	0.0
171	107	-1.36e-03	-5.01e-03	-0.03	0.0	-2.62e-06	0.0
171	115	-0.95	-0.78	-0.06	0.0	-1.79e-03	7.02e-05
171	135	-0.56	-0.86	-0.06	0.0	-1.06e-03	4.20e-05
171	139	-0.53	-0.87	-0.06	0.0	-1.01e-03	4.32e-05
171	147	-1.07	-0.88	-0.07	0.0	-2.02e-03	7.92e-05
171	167	-0.63	-0.97	-0.07	0.0	-1.19e-03	4.74e-05
171	171	-0.60	-0.97	-0.07	0.0	-1.14e-03	4.89e-05
171	179	-1.07	-0.87	-0.07	0.0	-2.03e-03	7.93e-05
171	203	-0.62	-0.98	-0.07	0.0	-1.17e-03	5.01e-05
171	211	-1.26	-1.02	-0.07	0.0	-2.39e-03	9.34e-05
171	235	-0.74	-1.15	-0.08	0.0	-1.40e-03	6.01e-05
172	1	0.0	0.0	0.0	0.0	-4.00e-06	0.0
172	65	0.0	0.0	0.0	0.0	-2.98e-06	0.0
172	97	0.0	0.0	0.0	0.0	-2.53e-06	0.0
172	106	0.0	0.0	0.0	0.0	-2.53e-06	0.0
172	108	0.0	0.0	0.0	0.0	1.45e-03	-3.48e-06
172	140	0.0	0.0	0.0	0.0	1.64e-03	-3.92e-06
172	172	0.0	0.0	0.0	0.0	1.65e-03	-3.92e-06
172	204	0.0	0.0	0.0	0.0	1.94e-03	-4.60e-06
173	18	-5.11e-03	0.21	-0.08	0.0	-5.07e-06	0.0
173	28	-4.56e-03	-0.15	-0.11	0.0	-4.45e-06	0.0
173	44	-4.91e-03	-0.24	-0.10	0.0	-4.80e-06	0.0
173	75	-3.74e-03	0.14	-0.06	0.0	-3.72e-06	0.0
173	80	-3.37e-03	-0.10	-0.08	0.0	-3.30e-06	0.0
173	88	-3.61e-03	-0.16	-0.07	0.0	-3.54e-06	0.0
173	98	-2.75e-03	-9.56e-03	-0.06	0.0	-2.73e-06	0.0
173	103	-2.90e-03	0.02	-0.06	0.0	-2.89e-06	0.0
173	105	-2.87e-03	-0.04	-0.06	0.0	-2.85e-06	0.0
173	107	-2.74e-03	-9.15e-03	-0.06	0.0	-2.73e-06	0.0
173	115	-1.88	-1.57	-0.13	0.0	-1.78e-03	1.43e-04
173	135	-1.11	-1.73	-0.13	0.0	-1.05e-03	8.56e-05
173	139	-1.06	-1.74	-0.13	0.0	-1.00e-03	8.80e-05
173	147	-2.12	-1.76	-0.14	0.0	-2.00e-03	1.62e-04
173	167	-1.25	-1.95	-0.14	0.0	-1.18e-03	9.67e-05
173	171	-1.20	-1.96	-0.14	0.0	-1.13e-03	9.95e-05
173	179	-2.14	-1.76	-0.14	0.0	-2.02e-03	1.62e-04
173	203	-1.23	-1.96	-0.14	0.0	-1.16e-03	1.02e-04
173	211	-2.52	-2.06	-0.15	0.0	-2.38e-03	1.91e-04
173	235	-1.47	-2.31	-0.15	0.0	-1.39e-03	1.22e-04
174	18	-7.80e-03	0.32	-0.12	0.0	-5.47e-06	0.0
174	28	-6.89e-03	-0.23	-0.16	0.0	-4.79e-06	0.0
174	44	-7.43e-03	-0.36	-0.15	0.0	-5.14e-06	0.0
174	75	-5.72e-03	0.21	-0.09	0.0	-4.02e-06	0.0
174	80	-5.11e-03	-0.15	-0.11	0.0	-3.57e-06	0.0
174	88	-5.47e-03	-0.24	-0.11	0.0	-3.81e-06	0.0
174	98	-4.19e-03	-0.01	-0.09	0.0	-3.00e-06	0.0
174	103	-4.43e-03	0.03	-0.09	0.0	-3.16e-06	0.0
174	105	-4.38e-03	-0.06	-0.09	0.0	-3.12e-06	0.0
174	107	-4.18e-03	-0.01	-0.09	0.0	-3.00e-06	0.0
174	115	-2.81	-2.36	-0.19	0.0	-1.76e-03	2.15e-04
174	135	-1.66	-2.60	-0.20	0.0	-1.04e-03	1.28e-04
174	139	-1.59	-2.61	-0.20	0.0	-9.94e-04	1.31e-04
174	147	-3.17	-2.66	-0.20	0.0	-1.98e-03	2.43e-04
174	167	-1.87	-2.93	-0.21	0.0	-1.17e-03	1.45e-04
174	171	-1.79	-2.95	-0.21	0.0	-1.12e-03	1.49e-04

174	179	-3.19	-2.65	-0.20	0.0	-1.99e-03	2.43e-04
174	203	-1.84	-2.96	-0.21	0.0	-1.15e-03	1.52e-04
174	211	-3.76	-3.10	-0.22	0.0	-2.35e-03	2.87e-04
174	235	-2.19	-3.48	-0.23	0.0	-1.37e-03	1.83e-04
175	18	-0.01	0.43	-0.17	0.0	-6.24e-06	0.0
175	28	-9.47e-03	-0.30	-0.22	0.0	-5.59e-06	-1.22e-06
175	44	-0.01	-0.48	-0.21	0.0	-5.94e-06	-1.01e-06
175	75	-7.90e-03	0.29	-0.12	0.0	-4.60e-06	0.0
175	80	-7.04e-03	-0.20	-0.16	0.0	-4.17e-06	0.0
175	88	-7.52e-03	-0.32	-0.15	0.0	-4.40e-06	0.0
175	98	-5.83e-03	-0.01	-0.13	0.0	-3.55e-06	0.0
175	103	-6.15e-03	0.05	-0.12	0.0	-3.71e-06	0.0
175	105	-6.07e-03	-0.07	-0.12	0.0	-3.67e-06	0.0
175	107	-5.82e-03	-0.01	-0.12	0.0	-3.55e-06	0.0
175	115	-3.73	-3.16	-0.26	0.0	-1.74e-03	2.86e-04
175	135	-2.20	-3.48	-0.27	0.0	-1.03e-03	1.70e-04
175	139	-2.11	-3.50	-0.27	0.0	-9.85e-04	1.74e-04
175	147	-4.21	-3.56	-0.28	0.0	-1.96e-03	3.23e-04
175	167	-2.48	-3.92	-0.29	0.0	-1.16e-03	1.92e-04
175	171	-2.38	-3.94	-0.28	0.0	-1.11e-03	1.97e-04
175	179	-4.23	-3.54	-0.28	0.0	-1.97e-03	3.24e-04
175	203	-2.44	-3.95	-0.29	0.0	-1.14e-03	2.02e-04
175	211	-4.98	-4.15	-0.30	0.0	-2.33e-03	3.81e-04
175	235	-2.91	-4.66	-0.32	0.0	-1.36e-03	2.42e-04
176	28	-2.00e-03	-0.08	-0.04	0.0	-3.95e-06	1.24e-06
176	42	-2.24e-03	-0.12	-0.03	0.0	-4.38e-06	0.0
176	44	-2.22e-03	-0.12	-0.04	0.0	-4.34e-06	1.06e-06
176	80	-1.49e-03	-0.05	-0.03	0.0	-2.94e-06	0.0
176	86	-1.65e-03	-0.08	-0.02	0.0	-3.22e-06	0.0
176	88	-1.63e-03	-0.08	-0.03	0.0	-3.20e-06	0.0
176	98	-1.19e-03	-5.14e-03	-0.03	0.0	-2.40e-06	0.0
176	104	-1.28e-03	-0.02	-0.02	0.0	-2.55e-06	0.0
176	105	-1.27e-03	-0.02	-0.02	0.0	-2.53e-06	0.0
176	106	-1.21e-03	-3.64e-03	-0.02	0.0	-2.42e-06	0.0
176	107	-1.20e-03	-4.93e-03	-0.02	0.0	-2.40e-06	0.0
176	115	-0.91	-0.78	-0.05	0.0	-1.72e-03	6.93e-05
176	135	-0.54	-0.86	-0.05	0.0	-1.02e-03	4.17e-05
176	139	-0.51	-0.87	-0.05	0.0	-9.67e-04	4.27e-05
176	147	-1.02	-0.88	-0.05	0.0	-1.94e-03	7.80e-05
176	167	-0.60	-0.97	-0.06	0.0	-1.15e-03	4.70e-05
176	171	-0.58	-0.98	-0.06	0.0	-1.09e-03	4.83e-05
176	179	-1.03	-0.87	-0.05	0.0	-1.95e-03	7.81e-05
176	203	-0.59	-0.98	-0.06	0.0	-1.12e-03	4.94e-05
176	211	-1.21	-1.02	-0.06	0.0	-2.29e-03	9.19e-05
176	235	-0.70	-1.15	-0.06	0.0	-1.33e-03	5.91e-05
177	1	0.0	0.0	0.0	0.0	-3.61e-06	0.0
177	65	0.0	0.0	0.0	0.0	-2.70e-06	0.0
177	97	0.0	0.0	0.0	0.0	-2.34e-06	0.0
177	106	0.0	0.0	0.0	0.0	-2.34e-06	0.0
177	108	0.0	0.0	0.0	0.0	1.39e-03	-3.34e-06
177	140	0.0	0.0	0.0	0.0	1.57e-03	-3.78e-06
177	172	0.0	0.0	0.0	0.0	1.58e-03	-3.77e-06
177	204	0.0	0.0	0.0	0.0	1.86e-03	-4.44e-06
178	28	-4.09e-03	-0.15	-0.09	0.0	-4.32e-06	2.20e-06
178	42	-4.54e-03	-0.24	-0.06	0.0	-4.65e-06	1.19e-06
178	44	-4.51e-03	-0.24	-0.08	0.0	-4.66e-06	1.91e-06
178	80	-3.05e-03	-0.10	-0.06	0.0	-3.22e-06	1.54e-06
178	86	-3.35e-03	-0.16	-0.04	0.0	-3.44e-06	0.0
178	88	-3.32e-03	-0.16	-0.06	0.0	-3.44e-06	1.34e-06
178	98	-2.48e-03	-9.37e-03	-0.05	0.0	-2.68e-06	1.26e-06
178	104	-2.63e-03	-0.04	-0.04	0.0	-2.79e-06	0.0
178	105	-2.61e-03	-0.04	-0.05	0.0	-2.79e-06	1.19e-06
178	106	-2.50e-03	-6.57e-03	-0.03	0.0	-2.67e-06	0.0
178	107	-2.48e-03	-8.97e-03	-0.05	0.0	-2.68e-06	1.19e-06
178	115	-1.81	-1.57	-0.10	0.0	-1.70e-03	1.43e-04
178	135	-1.07	-1.73	-0.11	0.0	-1.01e-03	8.59e-05
178	139	-1.02	-1.74	-0.11	0.0	-9.59e-04	8.79e-05
178	147	-2.04	-1.77	-0.11	0.0	-1.92e-03	1.61e-04
178	167	-1.20	-1.95	-0.11	0.0	-1.14e-03	9.69e-05
178	171	-1.15	-1.96	-0.11	0.0	-1.08e-03	9.93e-05
178	179	-2.05	-1.76	-0.11	0.0	-1.93e-03	1.62e-04
178	203	-1.17	-1.97	-0.11	0.0	-1.11e-03	1.02e-04
178	211	-2.41	-2.06	-0.12	0.0	-2.27e-03	1.90e-04
178	235	-1.40	-2.32	-0.13	0.0	-1.32e-03	1.22e-04
179	16	-7.17e-03	0.32	-0.06	0.0	-5.53e-06	1.89e-06

179	28	-6.43e-03	-0.23	-0.13	0.0	-5.09e-06	2.71e-06
179	44	-7.01e-03	-0.36	-0.12	0.0	-5.36e-06	2.40e-06
179	73	-5.28e-03	0.21	-0.05	0.0	-4.07e-06	1.35e-06
179	80	-4.79e-03	-0.15	-0.09	0.0	-3.78e-06	1.89e-06
179	88	-5.17e-03	-0.24	-0.09	0.0	-3.97e-06	1.68e-06
179	98	-3.94e-03	-0.01	-0.08	0.0	-3.20e-06	1.53e-06
179	102	-4.17e-03	0.04	-0.05	0.0	-3.27e-06	1.03e-06
179	105	-4.13e-03	-0.06	-0.07	0.0	-3.30e-06	1.47e-06
179	106	-3.96e-03	-8.30e-03	-0.05	0.0	-3.13e-06	0.0
179	107	-3.94e-03	-0.01	-0.07	0.0	-3.19e-06	1.45e-06
179	115	-2.70	-2.36	-0.15	0.0	-1.68e-03	2.19e-04
179	135	-1.59	-2.60	-0.16	0.0	-9.96e-04	1.31e-04
179	139	-1.52	-2.62	-0.16	0.0	-9.50e-04	1.33e-04
179	147	-3.04	-2.66	-0.16	0.0	-1.90e-03	2.46e-04
179	167	-1.80	-2.93	-0.17	0.0	-1.12e-03	1.47e-04
179	171	-1.71	-2.95	-0.17	0.0	-1.07e-03	1.50e-04
179	179	-3.05	-2.65	-0.16	0.0	-1.91e-03	2.47e-04
179	203	-1.75	-2.96	-0.17	0.0	-1.10e-03	1.54e-04
179	211	-3.60	-3.10	-0.18	0.0	-2.25e-03	2.91e-04
179	235	-2.09	-3.49	-0.19	0.0	-1.31e-03	1.85e-04
180	18	-0.01	0.43	-0.14	0.0	-6.90e-06	2.85e-06
180	28	-9.25e-03	-0.30	-0.18	0.0	-6.52e-06	2.75e-06
180	44	-9.96e-03	-0.48	-0.17	0.0	-6.72e-06	2.50e-06
180	75	-7.56e-03	0.29	-0.10	0.0	-5.08e-06	2.00e-06
180	80	-6.89e-03	-0.20	-0.13	0.0	-4.82e-06	1.93e-06
180	88	-7.36e-03	-0.32	-0.12	0.0	-4.96e-06	1.76e-06
180	98	-5.73e-03	-0.01	-0.10	0.0	-4.11e-06	1.55e-06
180	103	-6.01e-03	0.05	-0.10	0.0	-4.21e-06	1.55e-06
180	105	-5.97e-03	-0.07	-0.10	0.0	-4.19e-06	1.51e-06
180	107	-5.73e-03	-0.01	-0.10	0.0	-4.08e-06	1.48e-06
180	115	-3.57	-3.16	-0.21	0.0	-1.67e-03	2.96e-04
180	135	-2.11	-3.48	-0.21	0.0	-9.87e-04	1.76e-04
180	139	-2.01	-3.50	-0.21	0.0	-9.42e-04	1.79e-04
180	147	-4.03	-3.56	-0.22	0.0	-1.88e-03	3.34e-04
180	167	-2.38	-3.92	-0.23	0.0	-1.11e-03	1.99e-04
180	171	-2.27	-3.94	-0.23	0.0	-1.06e-03	2.02e-04
180	179	-4.05	-3.54	-0.22	0.0	-1.89e-03	3.35e-04
180	203	-2.33	-3.96	-0.23	0.0	-1.09e-03	2.08e-04
180	211	-4.77	-4.15	-0.24	0.0	-2.23e-03	3.94e-04
180	235	-2.78	-4.66	-0.25	0.0	-1.30e-03	2.49e-04
181	28	-9.13e-04	-0.08	-0.02	0.0	-2.11e-06	2.92e-06
181	42	-1.68e-03	-0.12	-0.01	0.0	-3.37e-06	1.54e-06
181	44	-1.29e-03	-0.12	-0.02	0.0	-2.75e-06	2.52e-06
181	80	-7.30e-04	-0.05	-0.02	0.0	-1.66e-06	2.02e-06
181	86	-1.24e-03	-0.08	-9.46e-03	0.0	-2.50e-06	1.11e-06
181	88	-9.83e-04	-0.08	-0.01	0.0	-2.08e-06	1.76e-06
181	98	-5.68e-04	-4.79e-03	-0.01	0.0	-1.35e-06	1.64e-06
181	104	-8.97e-04	-0.02	-8.54e-03	0.0	-1.89e-06	0.0
181	105	-6.77e-04	-0.02	-0.01	0.0	-1.53e-06	1.55e-06
181	106	-8.25e-04	-3.40e-03	-8.39e-03	0.0	-1.76e-06	0.0
181	107	-6.05e-04	-4.59e-03	-0.01	0.0	-1.40e-06	1.54e-06
181	115	-0.87	-0.78	-0.02	0.0	-1.65e-03	6.84e-05
181	135	-0.52	-0.86	-0.02	0.0	-9.75e-04	4.15e-05
181	139	-0.49	-0.87	-0.02	0.0	-9.25e-04	4.22e-05
181	147	-0.98	-0.88	-0.02	0.0	-1.86e-03	7.69e-05
181	171	-0.55	-0.98	-0.02	0.0	-1.04e-03	4.76e-05
181	179	-0.99	-0.87	-0.02	0.0	-1.86e-03	7.69e-05
181	203	-0.56	-0.98	-0.02	0.0	-1.07e-03	4.85e-05
181	211	-1.16	-1.02	-0.02	0.0	-2.20e-03	9.01e-05
181	235	-0.67	-1.15	-0.02	0.0	-1.27e-03	5.79e-05
182	1	0.0	0.0	0.0	0.0	-2.50e-06	0.0
182	65	0.0	0.0	0.0	0.0	-1.91e-06	0.0
182	97	0.0	0.0	0.0	0.0	-1.63e-06	0.0
182	106	0.0	0.0	0.0	0.0	-1.63e-06	0.0
182	108	0.0	0.0	0.0	0.0	1.34e-03	-3.19e-06
182	140	0.0	0.0	0.0	0.0	1.51e-03	-3.62e-06
182	172	0.0	0.0	0.0	0.0	1.51e-03	-3.61e-06
182	204	0.0	0.0	0.0	0.0	1.78e-03	-4.27e-06
183	28	-2.11e-03	-0.15	-0.04	0.0	-2.88e-06	5.34e-06
183	42	-3.48e-03	-0.24	-0.03	0.0	-3.77e-06	2.88e-06
183	44	-2.79e-03	-0.24	-0.04	0.0	-3.36e-06	4.64e-06
183	80	-1.66e-03	-0.10	-0.03	0.0	-2.21e-06	3.71e-06
183	86	-2.58e-03	-0.16	-0.02	0.0	-2.80e-06	2.07e-06
183	88	-2.12e-03	-0.16	-0.03	0.0	-2.53e-06	3.25e-06
183	98	-1.34e-03	-8.92e-03	-0.03	0.0	-1.86e-06	3.00e-06

183	104	-1.93e-03	-0.04	-0.02	0.0	-2.23e-06	1.85e-06
183	105	-1.53e-03	-0.04	-0.02	0.0	-2.00e-06	2.86e-06
183	106	-1.80e-03	-6.26e-03	-0.02	0.0	-2.13e-06	1.83e-06
183	107	-1.40e-03	-8.54e-03	-0.02	0.0	-1.90e-06	2.84e-06
183	115	-1.73	-1.57	-0.04	0.0	-1.63e-03	1.43e-04
183	135	-1.02	-1.73	-0.04	0.0	-9.63e-04	8.62e-05
183	139	-0.97	-1.74	-0.04	0.0	-9.15e-04	8.77e-05
183	147	-1.95	-1.76	-0.04	0.0	-1.83e-03	1.61e-04
183	171	-1.10	-1.96	-0.04	0.0	-1.03e-03	9.88e-05
183	179	-1.96	-1.76	-0.04	0.0	-1.84e-03	1.61e-04
183	203	-1.12	-1.97	-0.04	0.0	-1.06e-03	1.01e-04
183	211	-2.31	-2.06	-0.04	0.0	-2.17e-03	1.89e-04
183	235	-1.34	-2.32	-0.04	0.0	-1.26e-03	1.20e-04
184	28	-3.87e-03	-0.22	-0.07	0.0	-4.02e-06	7.04e-06
184	42	-5.59e-03	-0.35	-0.04	0.0	-4.42e-06	3.94e-06
184	44	-4.76e-03	-0.36	-0.06	0.0	-4.33e-06	6.17e-06
184	80	-3.00e-03	-0.15	-0.05	0.0	-3.01e-06	4.91e-06
184	86	-4.14e-03	-0.24	-0.03	0.0	-3.28e-06	2.84e-06
184	88	-3.59e-03	-0.24	-0.04	0.0	-3.22e-06	4.33e-06
184	98	-2.48e-03	-0.01	-0.04	0.0	-2.57e-06	3.99e-06
184	104	-3.21e-03	-0.05	-0.02	0.0	-2.73e-06	2.53e-06
184	105	-2.74e-03	-0.06	-0.04	0.0	-2.67e-06	3.81e-06
184	106	-3.04e-03	-7.89e-03	-0.02	0.0	-2.64e-06	2.50e-06
184	107	-2.56e-03	-0.01	-0.04	0.0	-2.58e-06	3.78e-06
184	115	-2.58	-2.36	-0.06	0.0	-1.60e-03	2.21e-04
184	135	-1.53	-2.60	-0.06	0.0	-9.50e-04	1.33e-04
184	139	-1.45	-2.62	-0.06	0.0	-9.03e-04	1.34e-04
184	147	-2.91	-2.66	-0.06	0.0	-1.80e-03	2.49e-04
184	171	-1.64	-2.95	-0.06	0.0	-1.02e-03	1.52e-04
184	179	-2.92	-2.65	-0.06	0.0	-1.81e-03	2.49e-04
184	203	-1.67	-2.96	-0.06	0.0	-1.04e-03	1.55e-04
184	211	-3.44	-3.10	-0.06	0.0	-2.13e-03	2.93e-04
184	235	-2.00	-3.49	-0.07	0.0	-1.24e-03	1.85e-04
185	16	-8.30e-03	0.44	-0.04	0.0	-5.32e-06	5.00e-06
185	28	-6.38e-03	-0.29	-0.09	0.0	-5.09e-06	8.01e-06
185	44	-7.38e-03	-0.48	-0.08	0.0	-5.29e-06	7.10e-06
185	73	-6.15e-03	0.29	-0.03	0.0	-3.92e-06	3.62e-06
185	80	-4.87e-03	-0.20	-0.06	0.0	-3.77e-06	5.62e-06
185	88	-5.53e-03	-0.32	-0.06	0.0	-3.90e-06	5.02e-06
185	98	-4.08e-03	-0.01	-0.05	0.0	-3.20e-06	4.61e-06
185	102	-4.84e-03	0.05	-0.03	0.0	-3.19e-06	3.12e-06
185	105	-4.38e-03	-0.07	-0.05	0.0	-3.28e-06	4.42e-06
185	106	-4.60e-03	-7.76e-03	-0.03	0.0	-3.07e-06	3.05e-06
185	107	-4.16e-03	-0.01	-0.05	0.0	-3.18e-06	4.39e-06
185	115	-3.41	-3.16	-0.07	0.0	-1.58e-03	3.03e-04
185	135	-2.02	-3.48	-0.08	0.0	-9.37e-04	1.81e-04
185	139	-1.92	-3.50	-0.08	0.0	-8.92e-04	1.83e-04
185	147	-3.84	-3.56	-0.08	0.0	-1.78e-03	3.41e-04
185	171	-2.17	-3.94	-0.08	0.0	-1.01e-03	2.06e-04
185	179	-3.86	-3.54	-0.08	0.0	-1.79e-03	3.42e-04
185	203	-2.22	-3.96	-0.08	0.0	-1.03e-03	2.12e-04
185	211	-4.55	-4.15	-0.08	0.0	-2.11e-03	4.02e-04
185	235	-2.64	-4.66	-0.09	0.0	-1.23e-03	2.53e-04
186	28	1.33e-03	-0.07	-0.02	0.0	1.79e-06	5.16e-06
186	44	6.40e-04	-0.12	-0.01	0.0	0.0	4.57e-06
186	52	1.62e-03	-7.02e-03	-0.02	0.0	2.27e-06	4.93e-06
186	80	8.24e-04	-0.05	-0.01	0.0	1.05e-06	3.57e-06
186	88	3.67e-04	-0.08	-9.65e-03	0.0	0.0	3.18e-06
186	92	1.02e-03	-4.97e-03	-0.01	0.0	1.38e-06	3.42e-06
186	98	6.89e-04	-4.28e-03	-9.38e-03	0.0	0.0	2.79e-06
186	105	5.15e-04	-0.02	-8.91e-03	0.0	0.0	2.68e-06
186	107	5.80e-04	-4.10e-03	-8.87e-03	0.0	0.0	2.63e-06
186	112	0.84	0.77	-7.71e-03	0.0	1.58e-03	-6.72e-05
186	115	-0.84	-0.78	-0.01	0.0	-1.58e-03	7.25e-05
186	139	-0.47	-0.87	-9.97e-03	0.0	-8.83e-04	4.43e-05
186	144	0.94	0.87	-7.57e-03	0.0	1.78e-03	-7.61e-05
186	147	-0.94	-0.88	-0.01	0.0	-1.78e-03	8.14e-05
186	171	-0.53	-0.98	-0.01	0.0	-9.98e-04	4.97e-05
186	176	0.95	0.86	-7.65e-03	0.0	1.78e-03	-7.60e-05
186	199	-0.56	-0.97	-0.01	0.0	-1.06e-03	4.96e-05
186	203	-0.54	-0.98	-0.01	0.0	-1.02e-03	5.07e-05
186	208	1.11	1.01	-7.46e-03	0.0	2.10e-03	-8.98e-05
186	231	-0.66	-1.13	-0.01	0.0	-1.25e-03	5.82e-05
186	235	-0.64	-1.15	-0.01	0.0	-1.21e-03	6.02e-05
187	1	0.0	0.0	0.0	0.0	0.0	0.0

187	65	0.0	0.0	0.0	0.0	0.0	0.0
187	97	0.0	0.0	0.0	0.0	0.0	0.0
187	106	0.0	0.0	0.0	0.0	0.0	0.0
187	108	0.0	0.0	0.0	0.0	1.28e-03	-3.29e-06
187	140	0.0	0.0	0.0	0.0	1.45e-03	-3.75e-06
187	172	0.0	0.0	0.0	0.0	1.45e-03	-3.73e-06
187	204	0.0	0.0	0.0	0.0	1.71e-03	-4.43e-06
188	28	2.11e-03	-0.15	-0.03	0.0	0.0	9.42e-06
188	44	8.67e-04	-0.24	-0.03	0.0	0.0	8.28e-06
188	51	2.65e-03	-0.01	-0.03	0.0	0.0	8.74e-06
188	80	1.27e-03	-0.10	-0.02	0.0	0.0	6.53e-06
188	88	4.42e-04	-0.16	-0.02	0.0	0.0	5.78e-06
188	91	1.63e-03	-9.40e-03	-0.02	0.0	0.0	6.08e-06
188	98	1.04e-03	-8.34e-03	-0.02	0.0	0.0	5.18e-06
188	105	7.22e-04	-0.04	-0.02	0.0	0.0	4.95e-06
188	107	8.39e-04	-7.99e-03	-0.02	0.0	0.0	4.88e-06
188	112	1.66	1.55	-0.01	0.0	1.55e-03	-1.37e-04
188	115	-1.66	-1.57	-0.02	0.0	-1.55e-03	1.47e-04
188	139	-0.93	-1.74	-0.02	0.0	-8.69e-04	8.97e-05
188	144	1.87	1.75	-0.01	0.0	1.74e-03	-1.55e-04
188	147	-1.87	-1.76	-0.02	0.0	-1.74e-03	1.65e-04
188	171	-1.05	-1.96	-0.02	0.0	-9.82e-04	1.01e-04
188	176	1.88	1.74	-0.01	0.0	1.75e-03	-1.55e-04
188	199	-1.12	-1.94	-0.02	0.0	-1.04e-03	1.01e-04
188	203	-1.07	-1.97	-0.02	0.0	-1.00e-03	1.03e-04
188	208	2.21	2.04	-0.01	0.0	2.06e-03	-1.83e-04
188	231	-1.32	-2.28	-0.02	0.0	-1.23e-03	1.18e-04
188	235	-1.28	-2.32	-0.02	0.0	-1.20e-03	1.22e-04
189	28	1.79e-03	-0.22	-0.05	0.0	-1.83e-06	1.25e-05
189	44	1.92e-04	-0.36	-0.04	0.0	-2.32e-06	1.09e-05
189	51	2.58e-03	-0.02	-0.05	0.0	-1.28e-06	1.17e-05
189	80	9.49e-04	-0.15	-0.03	0.0	-1.45e-06	8.69e-06
189	86	-1.87e-03	-0.24	-0.02	0.0	-2.17e-06	4.96e-06
189	88	-1.15e-04	-0.24	-0.03	0.0	-1.78e-06	7.64e-06
189	98	7.30e-04	-0.01	-0.03	0.0	-1.25e-06	7.03e-06
189	104	-1.18e-03	-0.05	-0.02	0.0	-1.72e-06	4.40e-06
189	105	3.23e-04	-0.06	-0.03	0.0	-1.39e-06	6.70e-06
189	106	-1.02e-03	-7.42e-03	-0.02	0.0	-1.64e-06	4.34e-06
189	107	4.80e-04	-0.01	-0.03	0.0	-1.30e-06	6.65e-06
189	112	2.46	2.34	-0.02	0.0	1.51e-03	-2.09e-04
189	115	-2.46	-2.36	-0.03	0.0	-1.52e-03	2.22e-04
189	139	-1.38	-2.62	-0.03	0.0	-8.53e-04	1.35e-04
189	144	2.77	2.64	-0.02	0.0	1.70e-03	-2.36e-04
189	147	-2.77	-2.66	-0.03	0.0	-1.71e-03	2.50e-04
189	171	-1.56	-2.95	-0.03	0.0	-9.64e-04	1.52e-04
189	176	2.78	2.63	-0.02	0.0	1.71e-03	-2.36e-04
189	199	-1.66	-2.92	-0.03	0.0	-1.02e-03	1.52e-04
189	203	-1.59	-2.96	-0.03	0.0	-9.83e-04	1.55e-04
189	208	3.28	3.08	-0.02	0.0	2.02e-03	-2.79e-04
189	231	-1.96	-3.43	-0.03	0.0	-1.21e-03	1.78e-04
189	235	-1.90	-3.49	-0.03	0.0	-1.17e-03	1.85e-04
190	16	-4.38e-03	0.44	-0.03	0.0	-3.89e-06	8.39e-06
190	28	1.31e-04	-0.29	-0.06	0.0	-3.80e-06	1.41e-05
190	44	-1.61e-03	-0.47	-0.05	0.0	-4.00e-06	1.23e-05
190	73	-3.30e-03	0.29	-0.02	0.0	-2.86e-06	6.07e-06
190	80	-2.97e-04	-0.20	-0.04	0.0	-2.80e-06	9.85e-06
190	88	-1.46e-03	-0.32	-0.04	0.0	-2.93e-06	8.67e-06
190	98	-3.27e-04	-0.01	-0.04	0.0	-2.31e-06	8.14e-06
190	102	-2.32e-03	0.05	-0.02	0.0	-2.29e-06	5.36e-06
190	105	-7.80e-04	-0.07	-0.03	0.0	-2.39e-06	7.75e-06
190	106	-2.12e-03	-7.12e-03	-0.02	0.0	-2.19e-06	5.29e-06
190	107	-5.83e-04	-9.96e-03	-0.03	0.0	-2.30e-06	7.73e-06
190	115	-3.25	-3.16	-0.04	0.0	-1.49e-03	3.02e-04
190	139	-1.82	-3.50	-0.04	0.0	-8.38e-04	1.83e-04
190	147	-3.66	-3.56	-0.04	0.0	-1.67e-03	3.40e-04
190	171	-2.06	-3.94	-0.04	0.0	-9.47e-04	2.06e-04
190	179	-3.67	-3.54	-0.04	0.0	-1.68e-03	3.41e-04
190	199	-2.19	-3.91	-0.04	0.0	-1.00e-03	2.06e-04
190	203	-2.10	-3.96	-0.04	0.0	-9.66e-04	2.11e-04
190	211	-4.33	-4.15	-0.04	0.0	-1.98e-03	4.00e-04
190	231	-2.58	-4.58	-0.04	0.0	-1.18e-03	2.42e-04
190	235	-2.51	-4.66	-0.04	0.0	-1.15e-03	2.51e-04
191	4	4.87e-03	0.06	-0.02	0.0	7.96e-06	6.68e-06
191	44	3.95e-03	-0.12	-0.01	0.0	6.27e-06	7.31e-06
191	52	5.16e-03	-6.12e-03	-0.02	0.0	8.44e-06	7.26e-06

191	68	3.28e-03	0.04	-0.01	0.0	5.34e-06	4.63e-06
191	88	2.66e-03	-0.08	-9.96e-03	0.0	4.22e-06	5.05e-06
191	92	3.47e-03	-4.33e-03	-0.01	0.0	5.67e-06	5.02e-06
191	98	2.69e-03	-3.75e-03	-9.86e-03	0.0	4.37e-06	4.09e-06
191	105	2.44e-03	-0.02	-9.32e-03	0.0	3.93e-06	4.00e-06
191	107	2.46e-03	-3.59e-03	-9.32e-03	0.0	3.99e-06	3.84e-06
191	111	-0.64	-0.75	-0.01	0.0	-1.21e-03	7.51e-05
191	112	0.80	0.77	-4.49e-03	0.0	1.51e-03	-8.35e-05
191	139	-0.45	-0.87	-0.01	0.0	-8.42e-04	5.39e-05
191	143	-0.72	-0.84	-0.01	0.0	-1.37e-03	8.41e-05
191	144	0.90	0.87	-3.88e-03	0.0	1.70e-03	-9.46e-05
191	171	-0.50	-0.98	-0.01	0.0	-9.52e-04	6.05e-05
191	175	-0.73	-0.83	-0.01	0.0	-1.37e-03	8.39e-05
191	176	0.91	0.86	-3.88e-03	0.0	1.71e-03	-9.47e-05
191	203	-0.51	-0.98	-0.01	0.0	-9.69e-04	6.19e-05
191	207	-0.85	-0.98	-0.02	0.0	-1.61e-03	9.79e-05
191	208	1.07	1.01	-2.90e-03	0.0	2.01e-03	-1.12e-04
191	235	-0.61	-1.15	-0.01	0.0	-1.16e-03	7.35e-05
192	1	0.0	0.0	0.0	0.0	2.30e-06	0.0
192	65	0.0	0.0	0.0	0.0	1.58e-06	0.0
192	97	0.0	0.0	0.0	0.0	1.93e-06	0.0
192	106	0.0	0.0	0.0	0.0	1.93e-06	0.0
192	108	0.0	0.0	0.0	0.0	1.23e-03	-4.09e-06
192	140	0.0	0.0	0.0	0.0	1.38e-03	-4.67e-06
192	172	0.0	0.0	0.0	0.0	1.39e-03	-4.66e-06
192	204	0.0	0.0	0.0	0.0	1.63e-03	-5.56e-06
193	4	8.82e-03	0.12	-0.03	0.0	5.42e-06	1.24e-05
193	44	7.01e-03	-0.24	-0.03	0.0	3.86e-06	1.24e-05
193	52	9.34e-03	-0.01	-0.03	0.0	5.78e-06	1.30e-05
193	68	5.93e-03	0.08	-0.02	0.0	3.61e-06	8.63e-06
193	88	4.72e-03	-0.16	-0.02	0.0	2.56e-06	8.62e-06
193	92	6.28e-03	-9.06e-03	-0.02	0.0	3.84e-06	9.03e-06
193	98	4.85e-03	-7.78e-03	-0.02	0.0	2.91e-06	7.38e-06
193	105	4.37e-03	-0.04	-0.02	0.0	2.55e-06	7.12e-06
193	107	4.43e-03	-7.45e-03	-0.02	0.0	2.63e-06	6.94e-06
193	111	-1.28	-1.51	-0.03	0.0	-1.19e-03	1.36e-04
193	112	1.59	1.55	-9.92e-03	0.0	1.48e-03	-1.52e-04
193	139	-0.89	-1.74	-0.02	0.0	-8.27e-04	9.89e-05
193	143	-1.44	-1.70	-0.03	0.0	-1.34e-03	1.52e-04
193	144	1.79	1.75	-8.90e-03	0.0	1.67e-03	-1.72e-04
193	171	-1.00	-1.96	-0.02	0.0	-9.35e-04	1.11e-04
193	175	-1.44	-1.68	-0.03	0.0	-1.34e-03	1.52e-04
193	176	1.80	1.74	-8.93e-03	0.0	1.67e-03	-1.71e-04
193	203	-1.02	-1.97	-0.02	0.0	-9.52e-04	1.13e-04
193	207	-1.70	-1.97	-0.03	0.0	-1.58e-03	1.77e-04
193	208	2.12	2.04	-7.32e-03	0.0	1.97e-03	-2.03e-04
193	235	-1.22	-2.32	-0.02	0.0	-1.14e-03	1.34e-04
194	4	0.01	0.18	-0.05	0.0	1.55e-06	1.74e-05
194	44	8.29e-03	-0.36	-0.04	0.0	0.0	1.56e-05
194	52	0.01	-0.02	-0.05	0.0	1.76e-06	1.75e-05
194	68	7.30e-03	0.12	-0.03	0.0	0.0	1.21e-05
194	88	5.56e-03	-0.24	-0.03	0.0	0.0	1.09e-05
194	92	7.75e-03	-0.01	-0.03	0.0	1.09e-06	1.21e-05
194	98	5.94e-03	-0.01	-0.03	0.0	0.0	9.97e-06
194	105	5.29e-03	-0.06	-0.03	0.0	0.0	9.51e-06
194	107	5.41e-03	-9.57e-03	-0.03	0.0	0.0	9.41e-06
194	111	-1.89	-2.28	-0.04	0.0	-1.16e-03	1.80e-04
194	112	2.36	2.34	-0.02	0.0	1.44e-03	-2.01e-04
194	139	-1.32	-2.62	-0.03	0.0	-8.08e-04	1.33e-04
194	143	-2.13	-2.57	-0.04	0.0	-1.31e-03	2.01e-04
194	144	2.66	2.64	-0.01	0.0	1.62e-03	-2.27e-04
194	171	-1.49	-2.95	-0.03	0.0	-9.13e-04	1.49e-04
194	175	-2.14	-2.54	-0.04	0.0	-1.31e-03	2.00e-04
194	176	2.66	2.63	-0.01	0.0	1.62e-03	-2.27e-04
194	203	-1.51	-2.96	-0.03	0.0	-9.30e-04	1.52e-04
194	207	-2.51	-2.97	-0.04	0.0	-1.54e-03	2.33e-04
194	208	3.13	3.08	-0.01	0.0	1.91e-03	-2.68e-04
194	235	-1.81	-3.49	-0.03	0.0	-1.11e-03	1.80e-04
195	4	0.01	0.25	-0.07	0.0	-2.77e-06	2.06e-05
195	44	7.36e-03	-0.47	-0.05	0.0	-3.43e-06	1.72e-05
195	52	0.01	-0.02	-0.06	0.0	-2.61e-06	2.01e-05
195	68	6.99e-03	0.17	-0.05	0.0	-2.01e-06	1.44e-05
195	88	4.87e-03	-0.32	-0.04	0.0	-2.45e-06	1.21e-05
195	92	7.48e-03	-0.01	-0.05	0.0	-1.91e-06	1.41e-05
195	98	5.64e-03	-9.54e-03	-0.04	0.0	-1.69e-06	1.16e-05

195	105	4.90e-03	-0.07	-0.04	0.0	-1.79e-06	1.10e-05
195	107	5.08e-03	-9.11e-03	-0.04	0.0	-1.66e-06	1.10e-05
195	111	-2.49	-3.05	-0.05	0.0	-1.13e-03	2.33e-04
195	112	3.10	3.14	-0.02	0.0	1.40e-03	-2.62e-04
195	139	-1.73	-3.50	-0.04	0.0	-7.88e-04	1.73e-04
195	143	-2.81	-3.44	-0.05	0.0	-1.27e-03	2.61e-04
195	144	3.49	3.54	-0.02	0.0	1.57e-03	-2.97e-04
195	171	-1.96	-3.94	-0.04	0.0	-8.90e-04	1.94e-04
195	175	-2.81	-3.40	-0.05	0.0	-1.27e-03	2.59e-04
195	176	3.50	3.52	-0.02	0.0	1.58e-03	-2.97e-04
195	203	-2.00	-3.96	-0.04	0.0	-9.07e-04	1.98e-04
195	207	-3.31	-3.98	-0.05	0.0	-1.50e-03	3.02e-04
195	208	4.12	4.13	-0.02	0.0	1.86e-03	-3.51e-04
195	235	-2.38	-4.66	-0.05	0.0	-1.08e-03	2.35e-04
196	28	0.01	-0.07	-0.03	0.0	1.70e-05	1.15e-05
196	44	9.18e-03	-0.12	-0.02	0.0	1.42e-05	1.10e-05
196	80	7.27e-03	-0.05	-0.02	0.0	1.16e-05	7.89e-06
196	88	6.27e-03	-0.08	-0.02	0.0	9.70e-06	7.55e-06
196	98	5.51e-03	-3.28e-03	-0.02	0.0	9.03e-06	5.54e-06
196	105	5.21e-03	-0.02	-0.01	0.0	8.43e-06	5.55e-06
196	107	5.10e-03	-3.15e-03	-0.01	0.0	8.36e-06	5.18e-06
196	112	0.75	0.77	-9.78e-03	0.0	1.43e-03	-1.22e-04
196	134	0.05	0.51	-0.03	0.0	9.31e-05	1.94e-06
196	139	-0.41	-0.86	-3.54e-03	0.0	-7.94e-04	7.55e-05
196	144	0.84	0.87	-9.17e-03	0.0	1.62e-03	-1.38e-04
196	166	0.06	0.58	-0.03	0.0	1.04e-04	1.35e-06
196	171	-0.47	-0.97	-2.12e-03	0.0	-8.98e-04	8.48e-05
196	176	0.85	0.86	-9.74e-03	0.0	1.62e-03	-1.39e-04
196	198	0.06	0.58	-0.03	0.0	1.07e-04	0.0
196	203	-0.48	-0.98	-2.06e-03	0.0	-9.13e-04	8.72e-05
196	208	0.99	1.01	-9.17e-03	0.0	1.90e-03	-1.65e-04
196	230	0.07	0.68	-0.03	0.0	1.25e-04	-1.36e-06
196	235	-0.57	-1.15	7.05e-05	0.0	-1.09e-03	1.04e-04
197	1	0.0	0.0	0.0	0.0	5.48e-06	0.0
197	65	0.0	0.0	0.0	0.0	3.92e-06	0.0
197	97	0.0	0.0	0.0	0.0	4.80e-06	0.0
197	106	0.0	0.0	0.0	0.0	4.80e-06	0.0
197	108	0.0	0.0	0.0	0.0	1.15e-03	-7.11e-06
197	140	0.0	0.0	0.0	0.0	1.30e-03	-8.09e-06
197	172	0.0	0.0	0.0	0.0	1.30e-03	-8.11e-06
197	204	0.0	0.0	0.0	0.0	1.52e-03	-9.66e-06
198	28	0.02	-0.15	-0.05	0.0	1.17e-05	1.77e-05
198	44	0.02	-0.24	-0.04	0.0	9.18e-06	1.62e-05
198	80	0.01	-0.10	-0.03	0.0	8.02e-06	1.22e-05
198	88	0.01	-0.16	-0.03	0.0	6.32e-06	1.12e-05
198	98	9.97e-03	-7.32e-03	-0.03	0.0	6.68e-06	9.03e-06
198	105	9.33e-03	-0.04	-0.03	0.0	6.07e-06	8.83e-06
198	107	9.24e-03	-7.01e-03	-0.03	0.0	6.20e-06	8.47e-06
198	112	1.51	1.55	-0.01	0.0	1.44e-03	-1.86e-04
198	134	0.10	1.03	-0.06	0.0	8.85e-05	2.18e-06
198	139	-0.83	-1.74	-8.90e-03	0.0	-7.97e-04	1.18e-04
198	144	1.70	1.75	-0.01	0.0	1.62e-03	-2.10e-04
198	166	0.11	1.16	-0.06	0.0	9.94e-05	1.14e-06
198	171	-0.94	-1.96	-6.53e-03	0.0	-9.01e-04	1.32e-04
198	176	1.70	1.74	-0.01	0.0	1.62e-03	-2.11e-04
198	198	0.11	1.16	-0.06	0.0	1.02e-04	0.0
198	203	-0.96	-1.97	-6.57e-03	0.0	-9.16e-04	1.35e-04
198	208	2.00	2.04	-0.01	0.0	1.91e-03	-2.50e-04
198	230	0.13	1.36	-0.07	0.0	1.20e-04	-2.93e-06
198	235	-1.14	-2.32	-3.11e-03	0.0	-1.09e-03	1.61e-04
199	28	0.02	-0.22	-0.07	0.0	4.94e-06	2.17e-05
199	44	0.02	-0.36	-0.06	0.0	3.10e-06	1.90e-05
199	52	0.02	-0.02	-0.07	0.0	6.14e-06	2.10e-05
199	80	0.02	-0.15	-0.05	0.0	3.40e-06	1.50e-05
199	88	0.01	-0.24	-0.04	0.0	2.18e-06	1.32e-05
199	92	0.02	-0.01	-0.05	0.0	4.20e-06	1.46e-05
199	98	0.01	-9.46e-03	-0.04	0.0	3.35e-06	1.19e-05
199	105	0.01	-0.05	-0.04	0.0	2.85e-06	1.14e-05
199	107	0.01	-9.06e-03	-0.04	0.0	3.12e-06	1.12e-05
199	112	2.27	2.34	-0.02	0.0	1.40e-03	-1.98e-04
199	114	-1.80	-1.11	-0.08	0.0	-1.12e-03	1.80e-04
199	139	-1.26	-2.62	-0.02	0.0	-7.80e-04	1.33e-04
199	144	2.55	2.64	-0.01	0.0	1.58e-03	-2.24e-04
199	146	-2.03	-1.25	-0.09	0.0	-1.26e-03	2.01e-04
199	171	-1.42	-2.95	-0.01	0.0	-8.81e-04	1.49e-04

199	176	2.56	2.63	-0.01	0.0	1.58e-03	-2.22e-04
199	178	-2.03	-1.25	-0.09	0.0	-1.26e-03	2.00e-04
199	203	-1.44	-2.96	-0.01	0.0	-8.96e-04	1.51e-04
199	208	3.01	3.08	-9.70e-03	0.0	1.86e-03	-2.63e-04
199	210	-2.39	-1.46	-0.10	0.0	-1.48e-03	2.32e-04
199	235	-1.72	-3.49	-9.99e-03	0.0	-1.07e-03	1.78e-04
200	4	0.03	0.25	-0.10	0.0	0.0	2.62e-05
200	44	0.02	-0.47	-0.08	0.0	-3.18e-06	2.08e-05
200	52	0.03	-0.01	-0.10	0.0	-1.46e-06	2.52e-05
200	68	0.02	0.17	-0.07	0.0	0.0	1.83e-05
200	88	0.01	-0.32	-0.06	0.0	-2.15e-06	1.47e-05
200	92	0.02	-0.01	-0.07	0.0	-1.01e-06	1.76e-05
200	98	0.01	-8.79e-03	-0.06	0.0	0.0	1.45e-05
200	105	0.01	-0.07	-0.05	0.0	-1.03e-06	1.36e-05
200	107	0.01	-8.39e-03	-0.05	0.0	0.0	1.38e-05
200	112	2.98	3.14	-0.02	0.0	1.32e-03	-2.04e-04
200	114	-2.37	-1.49	-0.11	0.0	-1.06e-03	1.88e-04
200	139	-1.66	-3.50	-0.03	0.0	-7.43e-04	1.46e-04
200	144	3.36	3.54	-0.01	0.0	1.49e-03	-2.32e-04
200	146	-2.67	-1.68	-0.12	0.0	-1.20e-03	2.10e-04
200	171	-1.87	-3.94	-0.03	0.0	-8.39e-04	1.63e-04
200	176	3.37	3.52	-0.01	0.0	1.49e-03	-2.27e-04
200	178	-2.68	-1.67	-0.12	0.0	-1.20e-03	2.06e-04
200	203	-1.90	-3.96	-0.03	0.0	-8.53e-04	1.63e-04
200	208	3.96	4.13	-6.41e-03	0.0	1.76e-03	-2.68e-04
200	210	-3.15	-1.96	-0.13	0.0	-1.41e-03	2.37e-04
200	235	-2.27	-4.66	-0.02	0.0	-1.02e-03	1.91e-04
201	4	0.02	0.28	-0.58	0.0	6.28e-06	-3.02e-06
201	44	0.02	-0.59	-0.35	0.0	6.71e-06	-3.75e-06
201	52	0.03	-0.04	-0.52	0.0	8.50e-06	-3.76e-06
201	68	0.01	0.19	-0.40	0.0	4.33e-06	-2.14e-06
201	88	0.01	-0.40	-0.25	0.0	4.61e-06	-2.63e-06
201	92	0.02	-0.03	-0.36	0.0	5.80e-06	-2.64e-06
201	98	0.01	-0.03	-0.31	0.0	4.61e-06	-2.18e-06
201	105	0.01	-0.10	-0.28	0.0	4.24e-06	-2.14e-06
201	107	0.01	-0.02	-0.30	0.0	4.28e-06	-2.08e-06
201	112	6.20	3.77	-0.82	0.0	2.37e-03	-3.09e-04
201	136	3.55	4.17	-1.02	0.0	1.35e-03	-1.92e-04
201	139	-3.53	-4.22	0.43	0.0	-1.34e-03	1.88e-04
201	144	6.99	4.25	-0.88	0.0	2.68e-03	-3.48e-04
201	168	4.02	4.71	-1.12	0.0	1.52e-03	-2.17e-04
201	171	-3.99	-4.76	0.52	0.0	-1.52e-03	2.13e-04
201	176	7.04	4.24	-0.87	0.0	2.70e-03	-3.48e-04
201	200	4.14	4.73	-1.11	0.0	1.57e-03	-2.22e-04
201	203	-4.11	-4.78	0.52	0.0	-1.56e-03	2.18e-04
201	216	8.47	5.31	-1.01	0.0	3.21e-03	-4.57e-04
201	232	4.96	5.58	-1.25	0.0	1.88e-03	-2.65e-04
201	235	-4.93	-5.63	0.66	0.0	-1.87e-03	2.61e-04
202	4	0.02	0.28	-0.38	0.0	6.63e-06	-3.09e-06
202	44	0.02	-0.59	-0.28	0.0	6.40e-06	-3.79e-06
202	52	0.02	-0.04	-0.36	0.0	8.54e-06	-3.82e-06
202	68	0.01	0.19	-0.27	0.0	4.57e-06	-2.19e-06
202	88	0.01	-0.39	-0.20	0.0	4.42e-06	-2.66e-06
202	92	0.02	-0.03	-0.25	0.0	5.84e-06	-2.68e-06
202	98	0.01	-0.02	-0.22	0.0	4.66e-06	-2.22e-06
202	105	0.01	-0.10	-0.20	0.0	4.25e-06	-2.17e-06
202	107	0.01	-0.02	-0.21	0.0	4.34e-06	-2.11e-06
202	112	6.03	3.77	-0.17	0.0	2.31e-03	-3.09e-04
202	136	3.45	4.18	-0.47	0.0	1.31e-03	-1.93e-04
202	139	-3.43	-4.22	0.06	0.0	-1.30e-03	1.88e-04
202	144	6.80	4.26	-0.17	0.0	2.61e-03	-3.48e-04
202	168	3.90	4.71	-0.50	0.0	1.48e-03	-2.17e-04
202	171	-3.88	-4.76	0.09	0.0	-1.48e-03	2.13e-04
202	176	6.85	4.24	-0.17	0.0	2.63e-03	-3.48e-04
202	200	4.01	4.73	-0.50	0.0	1.53e-03	-2.22e-04
202	203	-3.99	-4.78	0.09	0.0	-1.52e-03	2.18e-04
202	216	8.21	5.31	-0.44	0.0	3.12e-03	-4.57e-04
202	232	4.81	5.58	-0.55	0.0	1.83e-03	-2.65e-04
202	235	-4.79	-5.63	0.14	0.0	-1.82e-03	2.61e-04
203	4	0.02	0.34	-0.78	0.0	5.54e-06	-2.65e-06
203	44	0.02	-0.69	-0.51	0.0	6.36e-06	-3.93e-06
203	52	0.03	-0.04	-0.71	0.0	7.86e-06	-3.64e-06
203	68	0.02	0.22	-0.55	0.0	3.80e-06	-1.88e-06
203	88	0.02	-0.46	-0.37	0.0	4.35e-06	-2.74e-06
203	92	0.02	-0.03	-0.50	0.0	5.35e-06	-2.54e-06

203	98	0.02	-0.03	-0.43	0.0	4.22e-06	-2.08e-06
203	105	0.01	-0.11	-0.39	0.0	3.89e-06	-2.08e-06
203	107	0.02	-0.03	-0.41	0.0	3.90e-06	-1.97e-06
203	112	7.22	4.43	-0.95	0.0	2.36e-03	-3.62e-04
203	136	4.13	4.91	-1.19	0.0	1.33e-03	-2.23e-04
203	139	-4.10	-4.96	0.38	0.0	-1.33e-03	2.19e-04
203	144	8.14	5.00	-1.02	0.0	2.66e-03	-4.08e-04
203	168	4.68	5.54	-1.29	0.0	1.51e-03	-2.52e-04
203	171	-4.65	-5.59	0.48	0.0	-1.50e-03	2.48e-04
203	176	8.20	4.98	-1.01	0.0	2.68e-03	-4.08e-04
203	200	4.81	5.56	-1.28	0.0	1.55e-03	-2.58e-04
203	203	-4.78	-5.61	0.47	0.0	-1.55e-03	2.54e-04
203	216	9.85	6.24	-1.15	0.0	3.18e-03	-5.30e-04
203	232	5.77	6.56	-1.43	0.0	1.86e-03	-3.08e-04
203	235	-5.74	-6.61	0.62	0.0	-1.86e-03	3.04e-04
204	4	0.02	0.34	-0.51	0.0	6.53e-06	-2.82e-06
204	44	0.02	-0.69	-0.37	0.0	6.26e-06	-3.99e-06
204	52	0.03	-0.04	-0.48	0.0	8.42e-06	-3.78e-06
204	68	0.01	0.23	-0.36	0.0	4.50e-06	-2.00e-06
204	88	0.01	-0.46	-0.27	0.0	4.32e-06	-2.78e-06
204	92	0.02	-0.03	-0.34	0.0	5.76e-06	-2.64e-06
204	98	0.01	-0.02	-0.29	0.0	4.59e-06	-2.17e-06
204	105	0.01	-0.11	-0.27	0.0	4.17e-06	-2.15e-06
204	107	0.01	-0.02	-0.28	0.0	4.27e-06	-2.06e-06
204	112	7.02	4.44	-0.23	0.0	2.29e-03	-3.62e-04
204	136	4.01	4.91	-0.59	0.0	1.30e-03	-2.24e-04
204	139	-3.99	-4.96	0.03	0.0	-1.29e-03	2.19e-04
204	144	7.92	5.00	-0.23	0.0	2.59e-03	-4.08e-04
204	168	4.54	5.54	-0.63	0.0	1.47e-03	-2.53e-04
204	171	-4.51	-5.59	0.07	0.0	-1.46e-03	2.48e-04
204	176	7.98	4.98	-0.23	0.0	2.61e-03	-4.08e-04
204	200	4.67	5.56	-0.62	0.0	1.51e-03	-2.58e-04
204	203	-4.64	-5.61	0.07	0.0	-1.50e-03	2.54e-04
204	216	9.55	6.24	-0.55	0.0	3.09e-03	-5.31e-04
204	232	5.60	6.56	-0.68	0.0	1.81e-03	-3.08e-04
204	235	-5.57	-6.61	0.13	0.0	-1.80e-03	3.04e-04
205	4	0.02	0.42	-1.11	-5.40e-04	1.18e-04	2.41e-06
205	44	0.03	-0.77	-0.77	-3.35e-04	-5.25e-05	-2.62e-06
205	52	0.03	-0.02	-1.03	-4.84e-04	8.15e-05	0.0
205	68	0.02	0.28	-0.78	-3.82e-04	8.19e-05	1.73e-06
205	88	0.02	-0.51	-0.56	-2.45e-04	-3.17e-05	-1.63e-06
205	92	0.02	-0.01	-0.73	-3.44e-04	5.76e-05	0.0
205	98	0.02	-9.79e-03	-0.62	-2.98e-04	4.82e-05	0.0
205	105	0.02	-0.11	-0.57	-2.73e-04	2.95e-05	0.0
205	107	0.02	-9.26e-03	-0.59	-2.86e-04	4.61e-05	0.0
205	112	8.24	5.11	-0.47	-2.23e-04	1.08e-03	-4.16e-04
205	136	4.71	5.67	-1.41	-9.95e-04	6.33e-04	-2.52e-04
205	139	-4.68	-5.69	0.23	4.23e-04	-5.41e-04	2.53e-04
205	144	9.29	5.76	-0.45	-2.15e-04	1.21e-03	-4.68e-04
205	168	5.32	6.39	-1.52	-1.08e-03	7.10e-04	-2.85e-04
205	171	-5.29	-6.41	0.34	5.11e-04	-6.18e-04	2.86e-04
205	176	9.36	5.74	-0.47	-2.30e-04	1.22e-03	-4.68e-04
205	200	5.48	6.41	-1.51	-1.07e-03	7.28e-04	-2.91e-04
205	203	-5.45	-6.43	0.33	5.00e-04	-6.36e-04	2.92e-04
205	216	11.22	7.19	-1.34	-8.51e-04	1.42e-03	-6.02e-04
205	232	6.57	7.56	-1.66	-1.20e-03	8.63e-04	-3.49e-04
205	235	-6.54	-7.58	0.48	6.31e-04	-7.71e-04	3.50e-04
206	4	0.02	0.42	-0.75	-4.18e-04	1.12e-04	-2.08e-06
206	44	0.02	-0.77	-0.55	-2.57e-04	-3.57e-05	-3.76e-06
206	52	0.03	-0.02	-0.71	-3.74e-04	8.06e-05	-3.29e-06
206	68	0.02	0.28	-0.53	-2.95e-04	7.77e-05	-1.47e-06
206	88	0.02	-0.51	-0.39	-1.88e-04	-2.07e-05	-2.59e-06
206	92	0.02	-0.01	-0.50	-2.66e-04	5.69e-05	-2.28e-06
206	98	0.02	-9.36e-03	-0.42	-2.30e-04	4.74e-05	-1.85e-06
206	105	0.02	-0.11	-0.39	-2.10e-04	3.11e-05	-1.87e-06
206	107	0.02	-8.85e-03	-0.40	-2.20e-04	4.54e-05	-1.74e-06
206	112	8.01	5.11	-0.35	-1.63e-04	1.11e-03	-4.13e-04
206	136	4.57	5.67	-0.76	-7.48e-04	6.55e-04	-2.53e-04
206	139	-4.54	-5.68	-0.05	3.08e-04	-5.64e-04	2.49e-04
206	144	9.03	5.76	-0.35	-1.56e-04	1.25e-03	-4.65e-04
206	168	5.17	6.39	-0.80	-8.15e-04	7.35e-04	-2.86e-04
206	171	-5.14	-6.41	-2.53e-03	3.74e-04	-6.44e-04	2.82e-04
206	176	9.10	5.74	-0.35	-1.66e-04	2.6e-03	-4.65e-04
206	200	5.32	6.41	-0.80	-8.07e-04	7.53e-04	-2.91e-04
206	203	-5.29	-6.43	-6.23e-03	3.67e-04	-6.62e-04	2.88e-04

206	216	10.87	7.18	-0.72	-6.62e-04	1.47e-03	-6.00e-04
206	232	6.38	7.56	-0.87	-9.06e-04	8.92e-04	-3.49e-04
206	235	-6.35	-7.58	0.06	4.65e-04	-8.02e-04	3.45e-04
207	4	0.02	0.29	-0.30	0.0	6.62e-06	-3.46e-06
207	44	0.02	-0.59	-0.23	0.0	5.97e-06	-4.00e-06
207	52	0.02	-0.04	-0.29	0.0	8.30e-06	-4.16e-06
207	68	0.01	0.19	-0.21	0.0	4.57e-06	-2.46e-06
207	88	0.01	-0.39	-0.16	0.0	4.13e-06	-2.81e-06
207	92	0.01	-0.03	-0.20	0.0	5.69e-06	-2.92e-06
207	98	0.01	-0.02	-0.17	0.0	4.55e-06	-2.42e-06
207	105	0.01	-0.10	-0.16	0.0	4.11e-06	-2.36e-06
207	107	0.01	-0.02	-0.16	0.0	4.24e-06	-2.31e-06
207	112	5.86	3.78	-0.14	0.0	2.24e-03	-3.10e-04
207	136	3.35	4.18	-0.29	0.0	1.27e-03	-1.93e-04
207	139	-3.33	-4.22	-0.03	0.0	-1.26e-03	1.89e-04
207	144	6.60	4.26	-0.14	0.0	2.53e-03	-3.49e-04
207	168	3.79	4.71	-0.31	0.0	1.44e-03	-2.18e-04
207	171	-3.76	-4.76	-0.01	0.0	-1.43e-03	2.14e-04
207	176	6.65	4.24	-0.14	0.0	2.55e-03	-3.49e-04
207	200	3.89	4.73	-0.31	0.0	1.48e-03	-2.23e-04
207	203	-3.87	-4.78	-0.02	0.0	-1.47e-03	2.18e-04
207	216	7.94	5.31	-0.28	0.0	3.02e-03	-4.59e-04
207	232	4.67	5.58	-0.33	0.0	1.78e-03	-2.66e-04
207	235	-4.65	-5.63	8.11e-03	0.0	-1.77e-03	2.62e-04
208	4	0.02	0.35	-0.40	0.0	6.64e-06	-3.45e-06
208	44	0.02	-0.68	-0.31	0.0	5.91e-06	-4.25e-06
208	52	0.02	-0.04	-0.38	0.0	8.29e-06	-4.30e-06
208	68	0.01	0.23	-0.28	0.0	4.57e-06	-2.45e-06
208	88	0.01	-0.46	-0.22	0.0	4.09e-06	-2.98e-06
208	92	0.02	-0.03	-0.27	0.0	5.68e-06	-3.01e-06
208	98	0.01	-0.02	-0.23	0.0	4.54e-06	-2.49e-06
208	105	0.01	-0.11	-0.21	0.0	4.10e-06	-2.43e-06
208	107	0.01	-0.02	-0.22	0.0	4.23e-06	-2.36e-06
208	112	6.82	4.44	-0.20	0.0	2.23e-03	-3.63e-04
208	136	3.89	4.91	-0.37	0.0	1.26e-03	-2.24e-04
208	139	-3.87	-4.95	-0.07	0.0	-1.25e-03	2.20e-04
208	144	7.69	5.00	-0.20	0.0	2.51e-03	-4.09e-04
208	168	4.40	5.54	-0.39	0.0	1.43e-03	-2.53e-04
208	171	-4.38	-5.58	-0.05	0.0	-1.42e-03	2.49e-04
208	176	7.75	4.98	-0.20	0.0	2.53e-03	-4.09e-04
208	200	4.53	5.56	-0.39	0.0	1.47e-03	-2.59e-04
208	203	-4.51	-5.60	-0.05	0.0	-1.46e-03	2.54e-04
208	216	9.24	6.24	-0.35	0.0	2.99e-03	-5.32e-04
208	232	5.43	6.56	-0.41	0.0	1.76e-03	-3.09e-04
208	235	-5.41	-6.60	-0.02	0.0	-1.75e-03	3.05e-04
209	4	0.02	0.43	-0.58	-2.84e-04	1.03e-04	-3.40e-06
209	44	0.02	-0.77	-0.45	-1.72e-04	-7.35e-06	-4.20e-06
209	52	0.03	-0.02	-0.56	-2.53e-04	8.07e-05	-4.34e-06
209	68	0.02	0.28	-0.41	-2.00e-04	7.21e-05	-2.41e-06
209	88	0.01	-0.51	-0.32	-1.26e-04	-1.81e-06	-2.93e-06
209	92	0.02	-0.01	-0.39	-1.79e-04	5.69e-05	-3.03e-06
209	98	0.02	-8.81e-03	-0.33	-1.55e-04	4.73e-05	-2.49e-06
209	105	0.01	-0.11	-0.31	-1.42e-04	3.47e-05	-2.42e-06
209	107	0.01	-8.32e-03	-0.32	-1.49e-04	4.52e-05	-2.36e-06
209	112	7.78	5.11	-0.29	-1.09e-04	1.14e-03	-4.13e-04
209	136	4.44	5.67	-0.49	-4.85e-04	6.71e-04	-2.53e-04
209	139	-4.41	-5.68	-0.15	1.87e-04	-5.81e-04	2.48e-04
209	144	8.77	5.76	-0.29	-1.04e-04	1.28e-03	-4.65e-04
209	168	5.02	6.39	-0.51	-5.27e-04	7.53e-04	-2.86e-04
209	171	-4.99	-6.41	-0.13	2.30e-04	-6.63e-04	2.81e-04
209	176	8.84	5.74	-0.30	-1.10e-04	1.29e-03	-4.64e-04
209	200	5.16	6.41	-0.50	-5.23e-04	7.70e-04	-2.92e-04
209	203	-5.13	-6.43	-0.13	2.25e-04	-6.80e-04	2.87e-04
209	216	10.53	7.18	-0.46	-4.36e-04	1.49e-03	-6.00e-04
209	232	6.19	7.56	-0.54	-5.86e-04	9.13e-04	-3.49e-04
209	235	-6.16	-7.58	-0.10	2.88e-04	-8.22e-04	3.44e-04
210	4	0.01	0.29	-0.25	0.0	6.36e-06	-4.20e-06
210	44	0.01	-0.58	-0.20	0.0	5.51e-06	-4.47e-06
210	52	0.02	-0.04	-0.24	0.0	7.87e-06	-4.82e-06
210	68	9.96e-03	0.19	-0.18	0.0	4.38e-06	-2.98e-06
210	88	8.94e-03	-0.39	-0.14	0.0	3.82e-06	-3.16e-06
210	92	0.01	-0.02	-0.17	0.0	5.39e-06	-3.40e-06
210	98	0.01	-0.02	-0.14	0.0	4.32e-06	-2.84e-06
210	105	9.02e-03	-0.09	-0.14	0.0	3.88e-06	-2.74e-06
210	107	9.32e-03	-0.02	-0.14	0.0	4.02e-06	-2.71e-06

210	112	5.69	3.78	-0.13	0.0	2.18e-03	-3.12e-04
210	136	3.24	4.18	-0.20	0.0	1.24e-03	-1.95e-04
210	139	-3.23	-4.22	-0.08	0.0	-1.23e-03	1.89e-04
210	144	6.41	4.26	-0.13	0.0	2.46e-03	-3.51e-04
210	168	3.67	4.72	-0.21	0.0	1.40e-03	-2.20e-04
210	171	-3.65	-4.76	-0.07	0.0	-1.39e-03	2.14e-04
210	176	6.46	4.24	-0.13	0.0	2.47e-03	-3.51e-04
210	200	3.77	4.74	-0.21	0.0	1.44e-03	-2.24e-04
210	203	-3.75	-4.78	-0.07	0.0	-1.43e-03	2.19e-04
210	216	7.68	5.31	-0.19	0.0	2.93e-03	-4.62e-04
210	232	4.52	5.59	-0.22	0.0	1.72e-03	-2.68e-04
210	235	-4.50	-5.63	-0.06	0.0	-1.71e-03	2.63e-04
211	4	0.02	0.35	-0.34	0.0	6.51e-06	-4.41e-06
211	44	0.02	-0.68	-0.27	0.0	5.56e-06	-4.77e-06
211	52	0.02	-0.03	-0.33	0.0	7.99e-06	-5.14e-06
211	68	0.01	0.23	-0.24	0.0	4.49e-06	-3.13e-06
211	88	0.01	-0.45	-0.19	0.0	3.86e-06	-3.36e-06
211	92	0.02	-0.02	-0.23	0.0	5.48e-06	-3.61e-06
211	98	0.01	-0.02	-0.19	0.0	4.40e-06	-3.01e-06
211	105	0.01	-0.10	-0.18	0.0	3.95e-06	-2.90e-06
211	107	0.01	-0.02	-0.19	0.0	4.10e-06	-2.87e-06
211	112	6.63	4.44	-0.18	0.0	2.16e-03	-3.66e-04
211	136	3.78	4.92	-0.26	0.0	1.22e-03	-2.26e-04
211	139	-3.75	-4.95	-0.11	0.0	-1.22e-03	2.21e-04
211	144	7.47	5.01	-0.18	0.0	2.44e-03	-4.12e-04
211	168	4.27	5.54	-0.27	0.0	1.38e-03	-2.56e-04
211	171	-4.25	-5.58	-0.11	0.0	-1.38e-03	2.50e-04
211	176	7.52	4.98	-0.18	0.0	2.46e-03	-4.12e-04
211	200	4.39	5.57	-0.26	0.0	1.42e-03	-2.61e-04
211	203	-4.37	-5.60	-0.11	0.0	-1.42e-03	2.55e-04
211	216	8.94	6.24	-0.25	0.0	2.90e-03	-5.37e-04
211	232	5.26	6.57	-0.28	0.0	1.71e-03	-3.12e-04
211	235	-5.24	-6.60	-0.09	0.0	-1.70e-03	3.06e-04
212	4	0.02	0.43	-0.49	-1.82e-04	9.62e-05	-4.29e-06
212	44	0.02	-0.76	-0.40	-1.07e-04	2.02e-05	-4.50e-06
212	52	0.03	-0.01	-0.48	-1.60e-04	8.15e-05	-5.05e-06
212	68	0.01	0.28	-0.35	-1.28e-04	6.72e-05	-3.03e-06
212	88	0.01	-0.51	-0.28	-7.83e-05	1.66e-05	-3.17e-06
212	92	0.02	-9.99e-03	-0.34	-1.14e-04	5.74e-05	-3.54e-06
212	98	0.01	-8.20e-03	-0.28	-9.85e-05	4.77e-05	-2.93e-06
212	105	0.01	-0.11	-0.27	-8.98e-05	3.87e-05	-2.80e-06
212	107	0.01	-7.73e-03	-0.27	-9.46e-05	4.56e-05	-2.79e-06
212	112	7.56	5.11	-0.26	-6.90e-05	1.14e-03	-4.16e-04
212	136	4.30	5.66	-0.35	-3.00e-04	6.73e-04	-2.56e-04
212	139	-4.28	-5.68	-0.19	1.11e-04	-5.82e-04	2.50e-04
212	144	8.52	5.76	-0.26	-6.58e-05	1.28e-03	-4.69e-04
212	168	4.86	6.39	-0.36	-3.25e-04	7.55e-04	-2.89e-04
212	171	-4.84	-6.40	-0.18	1.36e-04	-6.64e-04	2.83e-04
212	176	8.58	5.74	-0.26	-6.92e-05	1.29e-03	-4.68e-04
212	200	5.00	6.41	-0.36	-3.23e-04	7.71e-04	-2.95e-04
212	203	-4.98	-6.43	-0.18	1.34e-04	-6.80e-04	2.89e-04
212	216	10.18	7.18	-0.34	-2.72e-04	1.48e-03	-6.06e-04
212	232	6.00	7.56	-0.37	-3.61e-04	9.13e-04	-3.53e-04
212	235	-5.97	-7.58	-0.16	1.72e-04	-8.21e-04	3.47e-04
213	4	0.01	0.29	-0.22	0.0	5.84e-06	-5.16e-06
213	44	0.01	-0.58	-0.19	0.0	4.97e-06	-5.15e-06
213	52	0.02	-0.03	-0.22	0.0	7.24e-06	-5.72e-06
213	68	8.00e-03	0.19	-0.16	0.0	4.02e-06	-3.66e-06
213	88	6.93e-03	-0.39	-0.13	0.0	3.44e-06	-3.66e-06
213	92	0.01	-0.02	-0.16	0.0	4.95e-06	-4.04e-06
213	98	8.20e-03	-0.02	-0.13	0.0	3.96e-06	-3.40e-06
213	105	7.25e-03	-0.09	-0.12	0.0	3.54e-06	-3.26e-06
213	107	7.57e-03	-0.02	-0.12	0.0	3.68e-06	-3.25e-06
213	112	5.52	3.78	-0.12	0.0	2.11e-03	-3.14e-04
213	134	0.23	2.48	-0.15	0.0	8.62e-05	-2.27e-05
213	139	-3.13	-4.22	-0.10	0.0	-1.19e-03	1.90e-04
213	144	6.22	4.26	-0.12	0.0	2.38e-03	-3.54e-04
213	166	0.27	2.80	-0.15	0.0	9.87e-05	-2.55e-05
213	171	-3.54	-4.76	-0.10	0.0	-1.35e-03	2.15e-04
213	176	6.26	4.24	-0.12	0.0	2.40e-03	-3.54e-04
213	200	3.65	4.74	-0.15	0.0	1.39e-03	-2.26e-04
213	203	-3.64	-4.77	-0.10	0.0	-1.38e-03	2.20e-04
213	216	7.41	5.32	-0.14	0.0	2.83e-03	-4.65e-04
213	232	4.38	5.59	-0.16	0.0	1.67e-03	-2.70e-04
213	235	-4.36	-5.63	-0.09	0.0	-1.66e-03	2.64e-04

214	4	0.01	0.35	-0.30	0.0	6.32e-06	-5.69e-06
214	44	0.01	-0.68	-0.25	0.0	5.37e-06	-5.65e-06
214	52	0.02	-0.03	-0.30	0.0	7.72e-06	-6.32e-06
214	68	9.82e-03	0.23	-0.21	0.0	4.36e-06	-4.04e-06
214	88	8.48e-03	-0.45	-0.18	0.0	3.73e-06	-4.01e-06
214	92	0.01	-0.02	-0.21	0.0	5.29e-06	-4.46e-06
214	98	9.98e-03	-0.02	-0.18	0.0	4.25e-06	-3.75e-06
214	105	8.85e-03	-0.10	-0.17	0.0	3.82e-06	-3.59e-06
214	107	9.22e-03	-0.02	-0.17	0.0	3.96e-06	-3.58e-06
214	112	6.43	4.44	-0.16	0.0	2.10e-03	-3.70e-04
214	134	0.27	2.92	-0.20	0.0	8.46e-05	-2.57e-05
214	139	-3.64	-4.95	-0.14	0.0	-1.18e-03	2.22e-04
214	144	7.24	5.01	-0.16	0.0	2.36e-03	-4.17e-04
214	166	0.31	3.30	-0.20	0.0	9.68e-05	-2.89e-05
214	171	-4.11	-5.58	-0.14	0.0	-1.33e-03	2.52e-04
214	176	7.29	4.99	-0.16	0.0	2.38e-03	-4.16e-04
214	200	4.25	5.57	-0.20	0.0	1.38e-03	-2.64e-04
214	203	-4.23	-5.60	-0.14	0.0	-1.37e-03	2.57e-04
214	216	8.63	6.24	-0.19	0.0	2.80e-03	-5.43e-04
214	232	5.09	6.57	-0.20	0.0	1.65e-03	-3.16e-04
214	235	-5.07	-6.60	-0.13	0.0	-1.64e-03	3.09e-04
215	4	0.02	0.43	-0.44	-1.09e-04	9.12e-05	-6.25e-06
215	44	0.01	-0.76	-0.37	-5.93e-05	4.30e-05	-5.91e-06
215	52	0.02	-0.01	-0.43	-9.42e-05	8.29e-05	-6.89e-06
215	68	0.01	0.28	-0.31	-7.65e-05	6.39e-05	-4.44e-06
215	88	0.01	-0.51	-0.26	-4.36e-05	3.18e-05	-4.21e-06
215	92	0.02	-9.26e-03	-0.30	-6.69e-05	5.84e-05	-4.86e-06
215	98	0.01	-7.56e-03	-0.26	-5.79e-05	4.86e-05	-4.08e-06
215	105	0.01	-0.11	-0.24	-5.23e-05	4.24e-05	-3.88e-06
215	107	0.01	-7.10e-03	-0.24	-5.55e-05	4.64e-05	-3.90e-06
215	112	7.33	5.11	-0.24	-3.82e-05	1.14e-03	-4.24e-04
215	134	0.31	3.38	-0.27	-1.80e-04	1.08e-04	-2.85e-05
215	139	-4.14	-5.68	-0.21	6.94e-05	-5.78e-04	2.54e-04
215	144	8.26	5.76	-0.24	-3.60e-05	1.28e-03	-4.78e-04
215	166	0.35	3.80	-0.28	-1.95e-04	1.17e-04	-3.21e-05
215	171	-4.69	-6.40	-0.21	8.50e-05	-6.59e-04	2.87e-04
215	176	8.32	5.73	-0.24	-3.79e-05	1.28e-03	-4.78e-04
215	200	4.84	6.41	-0.28	-1.95e-04	7.67e-04	-3.01e-04
215	203	-4.82	-6.43	-0.21	8.37e-05	-6.74e-04	2.93e-04
215	216	9.83	7.18	-0.27	-1.67e-04	1.45e-03	-6.19e-04
215	232	5.80	7.56	-0.28	-2.18e-04	9.06e-04	-3.60e-04
215	235	-5.78	-7.57	-0.20	1.07e-04	-8.13e-04	3.52e-04
216	4	8.36e-03	0.29	-0.21	0.0	4.72e-06	-6.18e-06
216	44	6.85e-03	-0.58	-0.18	0.0	3.97e-06	-5.95e-06
216	52	0.01	-0.03	-0.21	0.0	6.03e-06	-6.70e-06
216	68	5.60e-03	0.20	-0.15	0.0	3.22e-06	-4.39e-06
216	88	4.59e-03	-0.39	-0.13	0.0	2.72e-06	-4.24e-06
216	92	7.81e-03	-0.02	-0.15	0.0	4.10e-06	-4.74e-06
216	98	6.00e-03	-0.02	-0.12	0.0	3.24e-06	-4.00e-06
216	105	5.14e-03	-0.09	-0.12	0.0	2.86e-06	-3.84e-06
216	107	5.46e-03	-0.02	-0.12	0.0	2.99e-06	-3.83e-06
216	112	5.34	3.78	-0.12	0.0	2.04e-03	-3.17e-04
216	134	0.23	2.49	-0.12	0.0	8.44e-05	-2.33e-05
216	139	-3.03	-4.22	-0.11	0.0	-1.15e-03	1.90e-04
216	144	6.02	4.26	-0.12	0.0	2.30e-03	-3.57e-04
216	166	0.26	2.80	-0.13	0.0	9.66e-05	-2.61e-05
216	171	-3.42	-4.76	-0.11	0.0	-1.30e-03	2.16e-04
216	176	6.07	4.25	-0.12	0.0	2.32e-03	-3.57e-04
216	198	0.28	2.80	-0.13	0.0	1.06e-04	-2.80e-05
216	203	-3.52	-4.77	-0.11	0.0	-1.34e-03	2.21e-04
216	208	7.16	4.98	-0.12	0.0	2.73e-03	-4.19e-04
216	230	0.35	3.28	-0.13	0.0	1.31e-04	-3.41e-05
216	235	-4.22	-5.63	-0.11	0.0	-1.60e-03	2.65e-04
217	4	0.01	0.36	-0.29	0.0	4.99e-06	-6.95e-06
217	44	8.68e-03	-0.67	-0.25	0.0	4.22e-06	-6.64e-06
217	52	0.01	-0.02	-0.28	0.0	6.31e-06	-7.54e-06
217	68	7.09e-03	0.24	-0.20	0.0	3.41e-06	-4.95e-06
217	88	5.85e-03	-0.45	-0.17	0.0	2.90e-06	-4.74e-06
217	92	9.68e-03	-0.02	-0.20	0.0	4.29e-06	-5.34e-06
217	98	7.48e-03	-0.01	-0.17	0.0	3.40e-06	-4.51e-06
217	105	6.46e-03	-0.10	-0.16	0.0	3.02e-06	-4.31e-06
217	107	6.83e-03	-0.01	-0.16	0.0	3.15e-06	-4.32e-06
217	112	6.22	4.44	-0.16	0.0	2.03e-03	-3.74e-04
217	134	0.26	2.93	-0.17	0.0	8.27e-05	-2.65e-05
217	139	-3.52	-4.95	-0.15	0.0	-1.14e-03	2.23e-04

217	144	7.01	5.01	-0.16	0.0	2.28e-03	-4.21e-04
217	166	0.30	3.30	-0.17	0.0	9.46e-05	-2.97e-05
217	171	-3.98	-5.58	-0.15	0.0	-1.29e-03	2.53e-04
217	176	7.06	4.99	-0.16	0.0	2.30e-03	-4.20e-04
217	198	0.33	3.30	-0.17	0.0	1.04e-04	-3.19e-05
217	203	-4.09	-5.60	-0.15	0.0	-1.32e-03	2.58e-04
217	208	8.33	5.85	-0.16	0.0	2.71e-03	-4.94e-04
217	230	0.41	3.86	-0.17	0.0	1.29e-04	-3.90e-05
217	235	-4.91	-6.60	-0.15	0.0	-1.59e-03	3.10e-04
218	4	0.01	0.43	-0.42	-5.71e-05	8.98e-05	-8.03e-06
218	44	0.01	-0.76	-0.36	-2.37e-05	6.11e-05	-7.43e-06
218	52	0.02	-0.01	-0.41	-4.67e-05	8.60e-05	-8.63e-06
218	68	8.62e-03	0.29	-0.29	-4.00e-05	6.32e-05	-5.71e-06
218	88	7.17e-03	-0.51	-0.25	-1.77e-05	4.41e-05	-5.31e-06
218	92	0.01	-8.01e-03	-0.29	-3.31e-05	6.07e-05	-6.11e-06
218	98	9.00e-03	-6.47e-03	-0.24	-2.87e-05	5.06e-05	-5.17e-06
218	105	7.81e-03	-0.11	-0.23	-2.51e-05	4.64e-05	-4.92e-06
218	107	8.24e-03	-6.05e-03	-0.23	-2.75e-05	4.84e-05	-4.95e-06
218	112	7.09	5.11	-0.23	-8.33e-05	1.13e-03	-4.29e-04
218	134	0.30	3.37	-0.24	-8.63e-05	1.16e-04	-2.96e-05
218	139	-4.01	-5.67	-0.22	5.29e-05	-5.72e-04	2.55e-04
218	144	8.00	5.76	-0.23	-9.03e-05	1.27e-03	-4.83e-04
218	166	0.34	3.80	-0.24	-9.37e-05	1.25e-04	-3.32e-05
218	171	-4.54	-6.40	-0.22	6.31e-05	-6.52e-04	2.89e-04
218	176	8.05	5.73	-0.23	-8.92e-05	1.27e-03	-4.83e-04
218	198	0.37	3.80	-0.24	-9.34e-05	1.27e-04	-3.58e-05
218	203	-4.66	-6.42	-0.22	6.25e-05	-6.65e-04	2.95e-04
218	208	9.50	6.72	-0.23	-9.93e-05	1.49e-03	-5.67e-04
218	230	0.46	4.45	-0.24	-1.05e-04	1.42e-04	-4.37e-05
218	235	-5.59	-7.57	-0.22	7.79e-05	-8.02e-04	3.54e-04
219	28	5.94e-03	-0.36	-0.21	0.0	4.19e-06	-7.57e-06
219	44	3.04e-03	-0.58	-0.18	0.0	2.86e-06	-6.70e-06
219	52	7.37e-03	-0.03	-0.21	0.0	4.73e-06	-7.59e-06
219	80	3.81e-03	-0.24	-0.15	0.0	2.81e-06	-5.36e-06
219	88	1.87e-03	-0.39	-0.13	0.0	1.93e-06	-4.79e-06
219	92	4.76e-03	-0.02	-0.15	0.0	3.17e-06	-5.37e-06
219	98	3.42e-03	-0.02	-0.12	0.0	2.45e-06	-4.55e-06
219	105	2.67e-03	-0.09	-0.12	0.0	2.11e-06	-4.36e-06
219	107	2.98e-03	-0.02	-0.12	0.0	2.23e-06	-4.37e-06
219	111	-4.20	-3.69	-0.13	0.0	-1.60e-03	2.48e-04
219	112	5.17	3.78	-0.11	0.0	1.97e-03	-3.19e-04
219	139	-2.93	-4.22	-0.13	0.0	-1.11e-03	1.91e-04
219	143	-4.74	-4.15	-0.13	0.0	-1.81e-03	2.80e-04
219	144	5.83	4.27	-0.10	0.0	2.22e-03	-3.60e-04
219	171	-3.31	-4.76	-0.13	0.0	-1.26e-03	2.17e-04
219	175	-4.76	-4.11	-0.13	0.0	-1.82e-03	2.79e-04
219	176	5.87	4.25	-0.10	0.0	2.24e-03	-3.59e-04
219	203	-3.40	-4.77	-0.13	0.0	-1.29e-03	2.21e-04
219	207	-5.61	-4.81	-0.13	0.0	-2.14e-03	3.28e-04
219	208	6.92	4.99	-0.10	0.0	2.64e-03	-4.22e-04
219	235	-4.07	-5.63	-0.13	0.0	-1.55e-03	2.66e-04
220	28	7.92e-03	-0.41	-0.28	0.0	4.58e-06	-8.47e-06
220	44	4.43e-03	-0.67	-0.25	0.0	3.22e-06	-7.49e-06
220	52	9.58e-03	-0.02	-0.28	0.0	5.10e-06	-8.51e-06
220	80	5.14e-03	-0.28	-0.20	0.0	3.09e-06	-6.01e-06
220	88	2.82e-03	-0.45	-0.18	0.0	2.18e-06	-5.35e-06
220	92	6.25e-03	-0.02	-0.20	0.0	3.44e-06	-6.04e-06
220	98	4.57e-03	-0.01	-0.17	0.0	2.68e-06	-5.12e-06
220	105	3.68e-03	-0.10	-0.16	0.0	2.33e-06	-4.90e-06
220	107	4.05e-03	-0.01	-0.16	0.0	2.45e-06	-4.91e-06
220	111	-4.89	-4.32	-0.17	0.0	-1.59e-03	2.93e-04
220	112	6.02	4.45	-0.14	0.0	1.96e-03	-3.75e-04
220	139	-3.40	-4.95	-0.17	0.0	-1.10e-03	2.23e-04
220	143	-5.51	-4.87	-0.17	0.0	-1.79e-03	3.30e-04
220	144	6.79	5.01	-0.14	0.0	2.20e-03	-4.23e-04
220	171	-3.85	-5.57	-0.17	0.0	-1.24e-03	2.53e-04
220	175	-5.54	-4.82	-0.17	0.0	-1.80e-03	3.29e-04
220	176	6.83	4.99	-0.14	0.0	2.22e-03	-4.22e-04
220	203	-3.96	-5.60	-0.17	0.0	-1.28e-03	2.59e-04
220	207	-6.53	-5.63	-0.18	0.0	-2.12e-03	3.86e-04
220	208	8.06	5.85	-0.14	0.0	2.62e-03	-4.96e-04
220	235	-4.74	-6.60	-0.17	0.0	-1.53e-03	3.11e-04
221	28	0.01	-0.46	-0.41	-4.89e-06	8.71e-05	-9.13e-06
221	44	5.95e-03	-0.76	-0.36	2.87e-06	7.47e-05	-8.03e-06
221	52	0.01	-9.88e-03	-0.41	-1.35e-05	9.02e-05	-9.24e-06

221	80	6.58e-03	-0.31	-0.29	-3.67e-06	6.16e-05	-6.48e-06
221	88	3.85e-03	-0.51	-0.25	1.50e-06	5.33e-05	-5.75e-06
221	92	7.83e-03	-6.74e-03	-0.29	-9.44e-06	6.37e-05	-6.55e-06
221	98	5.81e-03	-5.36e-03	-0.24	-8.17e-06	5.32e-05	-5.56e-06
221	105	4.76e-03	-0.11	-0.23	-5.80e-06	5.02e-05	-5.31e-06
221	107	5.18e-03	-4.99e-03	-0.23	-7.72e-06	5.09e-05	-5.33e-06
221	111	-5.58	-4.95	-0.24	3.74e-05	-8.08e-04	3.35e-04
221	112	6.86	5.11	-0.21	-5.48e-05	1.12e-03	-4.29e-04
221	139	-3.88	-5.67	-0.24	5.38e-05	-5.64e-04	2.54e-04
221	143	-6.29	-5.57	-0.25	4.30e-05	-9.17e-04	3.78e-04
221	144	7.74	5.76	-0.21	-6.08e-05	1.26e-03	-4.83e-04
221	171	-4.39	-6.39	-0.24	6.15e-05	-6.44e-04	2.88e-04
221	175	-6.31	-5.52	-0.25	4.23e-05	-9.18e-04	3.77e-04
221	176	7.79	5.73	-0.21	-6.03e-05	1.26e-03	-4.83e-04
221	203	-4.51	-6.42	-0.24	6.14e-05	-6.54e-04	2.94e-04
221	207	-7.44	-6.45	-0.25	5.06e-05	-1.09e-03	4.43e-04
221	208	9.19	6.72	-0.21	-6.93e-05	1.47e-03	-5.67e-04
221	235	-5.40	-7.56	-0.24	7.35e-05	-7.88e-04	3.54e-04
222	16	-6.66e-03	0.53	-0.12	0.0	-1.32e-06	-4.30e-06
222	28	1.14e-03	-0.36	-0.22	0.0	2.77e-06	-8.15e-06
222	44	-1.21e-03	-0.58	-0.19	0.0	1.61e-06	-7.23e-06
222	73	-4.80e-03	0.35	-0.09	0.0	0.0	-3.22e-06
222	80	4.06e-04	-0.24	-0.15	0.0	1.80e-06	-5.78e-06
222	88	-1.16e-03	-0.38	-0.14	0.0	1.03e-06	-5.17e-06
222	98	5.21e-04	-0.01	-0.13	0.0	1.56e-06	-4.92e-06
222	102	-2.27e-03	0.06	-0.08	0.0	0.0	-3.41e-06
222	105	-1.06e-04	-0.09	-0.12	0.0	1.27e-06	-4.72e-06
222	106	-1.67e-03	-9.67e-03	-0.08	0.0	0.0	-3.52e-06
222	107	2.08e-04	-0.01	-0.12	0.0	1.38e-06	-4.72e-06
222	112	5.00	3.79	-0.10	0.0	1.91e-03	-3.22e-04
222	127	0.18	-3.78	-0.15	0.0	6.75e-05	-2.28e-05
222	139	-2.83	-4.22	-0.15	0.0	-1.07e-03	1.92e-04
222	144	5.64	4.27	-0.09	0.0	2.15e-03	-3.62e-04
222	159	0.20	-4.25	-0.15	0.0	7.73e-05	-2.55e-05
222	171	-3.20	-4.76	-0.15	0.0	-1.22e-03	2.17e-04
222	176	5.67	4.25	-0.09	0.0	2.16e-03	-3.62e-04
222	191	0.22	-4.16	-0.15	0.0	8.51e-05	-2.73e-05
222	203	-3.28	-4.77	-0.15	0.0	-1.25e-03	2.22e-04
222	208	6.69	4.99	-0.09	0.0	2.55e-03	-4.25e-04
222	215	-5.34	-5.14	-0.15	0.0	-2.03e-03	3.81e-04
222	235	-3.93	-5.63	-0.15	0.0	-1.50e-03	2.67e-04
223	20	-7.18e-03	0.63	-0.11	0.0	-1.39e-06	-3.35e-06
223	28	2.59e-03	-0.41	-0.29	0.0	3.44e-06	-9.30e-06
223	44	-2.85e-04	-0.67	-0.26	0.0	2.22e-06	-8.25e-06
223	73	-5.09e-03	0.42	-0.12	0.0	0.0	-3.72e-06
223	80	1.36e-03	-0.27	-0.21	0.0	2.27e-06	-6.60e-06
223	88	-5.57e-04	-0.45	-0.18	0.0	1.46e-06	-5.91e-06
223	98	1.34e-03	-0.01	-0.17	0.0	1.96e-06	-5.64e-06
223	102	-2.15e-03	0.08	-0.11	0.0	0.0	-3.93e-06
223	105	5.84e-04	-0.10	-0.16	0.0	1.65e-06	-5.41e-06
223	106	-1.44e-03	-6.92e-03	-0.11	0.0	0.0	-4.06e-06
223	107	9.45e-04	-0.01	-0.16	0.0	1.76e-06	-5.42e-06
223	112	5.82	4.45	-0.13	0.0	1.89e-03	-3.77e-04
223	127	0.21	-4.43	-0.19	0.0	6.64e-05	-2.61e-05
223	139	-3.29	-4.94	-0.19	0.0	-1.06e-03	2.23e-04
223	144	6.56	5.01	-0.13	0.0	2.13e-03	-4.24e-04
223	159	0.24	-4.98	-0.20	0.0	7.61e-05	-2.91e-05
223	171	-3.72	-5.57	-0.19	0.0	-1.20e-03	2.53e-04
223	176	6.60	4.99	-0.13	0.0	2.14e-03	-4.23e-04
223	191	0.26	-4.88	-0.20	0.0	8.39e-05	-3.12e-05
223	203	-3.82	-5.59	-0.20	0.0	-1.24e-03	2.58e-04
223	208	7.79	5.86	-0.12	0.0	2.53e-03	-4.97e-04
223	215	-6.21	-6.03	-0.20	0.0	-2.01e-03	4.42e-04
223	235	-4.58	-6.59	-0.20	0.0	-1.48e-03	3.11e-04
224	20	-7.67e-03	0.73	-0.16	-7.52e-06	4.14e-05	-3.60e-06
224	28	4.36e-03	-0.46	-0.43	1.57e-05	9.58e-05	-9.96e-06
224	44	9.27e-04	-0.76	-0.38	2.10e-05	8.52e-05	-8.82e-06
224	73	-5.25e-03	0.49	-0.17	-3.35e-06	4.24e-05	-4.01e-06
224	80	2.54e-03	-0.31	-0.30	1.11e-05	6.77e-05	-7.08e-06
224	88	2.55e-04	-0.50	-0.27	1.46e-05	6.07e-05	-6.32e-06
224	98	2.35e-03	-4.27e-03	-0.25	5.03e-06	5.67e-05	-6.08e-06
224	105	1.46e-03	-0.10	-0.24	6.81e-06	5.44e-05	-5.82e-06
224	107	1.86e-03	-3.93e-03	-0.24	5.01e-06	5.43e-05	-5.84e-06
224	112	6.63	5.11	-0.20	-4.60e-05	1.11e-03	-4.29e-04
224	127	0.24	-5.08	-0.27	6.12e-05	1.03e-04	-2.88e-05

224	139	-3.75	-5.66	-0.27	6.46e-05	-5.55e-04	2.53e-04
224	144	7.48	5.75	-0.20	-5.24e-05	1.24e-03	-4.83e-04
224	159	0.27	-5.71	-0.27	6.82e-05	1.09e-04	-3.22e-05
224	171	-4.24	-6.39	-0.27	7.22e-05	-6.34e-04	2.87e-04
224	176	7.53	5.73	-0.20	-5.23e-05	1.24e-03	-4.83e-04
224	191	0.30	-5.59	-0.27	6.70e-05	1.11e-04	-3.45e-05
224	203	-4.35	-6.41	-0.27	7.24e-05	-6.42e-04	2.94e-04
224	208	8.88	6.72	-0.19	-6.22e-05	1.45e-03	-5.67e-04
224	215	-7.07	-6.90	-0.28	7.40e-05	-9.56e-04	5.01e-04
224	235	-5.21	-7.56	-0.28	8.43e-05	-7.73e-04	3.53e-04
225	16	-9.38e-03	0.53	-0.13	0.0	-2.44e-06	-4.28e-06
225	28	-3.95e-03	-0.36	-0.23	0.0	0.0	-8.07e-06
225	44	-5.73e-03	-0.57	-0.21	0.0	0.0	-7.18e-06
225	73	-6.83e-03	0.35	-0.09	0.0	-1.77e-06	-3.20e-06
225	80	-3.21e-03	-0.24	-0.16	0.0	0.0	-5.73e-06
225	88	-4.40e-03	-0.38	-0.15	0.0	0.0	-5.14e-06
225	98	-2.56e-03	-0.01	-0.14	0.0	0.0	-4.89e-06
225	102	-4.41e-03	0.06	-0.09	0.0	0.0	-3.40e-06
225	105	-3.06e-03	-0.09	-0.13	0.0	0.0	-4.69e-06
225	106	-3.88e-03	-8.77e-03	-0.09	0.0	0.0	-3.51e-06
225	107	-2.75e-03	-0.01	-0.13	0.0	0.0	-4.69e-06
225	115	-4.83	-3.81	-0.18	0.0	-1.84e-03	3.16e-04
225	127	0.17	-3.78	-0.18	0.0	6.67e-05	-2.25e-05
225	139	-2.73	-4.22	-0.18	0.0	-1.04e-03	1.93e-04
225	147	-5.45	-4.30	-0.18	0.0	-2.08e-03	3.57e-04
225	159	0.20	-4.25	-0.19	0.0	7.65e-05	-2.52e-05
225	171	-3.09	-4.76	-0.19	0.0	-1.18e-03	2.19e-04
225	179	-5.48	-4.28	-0.18	0.0	-2.09e-03	3.57e-04
225	203	-3.17	-4.77	-0.19	0.0	-1.21e-03	2.24e-04
225	211	-6.46	-5.01	-0.19	0.0	-2.46e-03	4.21e-04
225	235	-3.79	-5.63	-0.20	0.0	-1.44e-03	2.70e-04
226	16	-0.01	0.63	-0.17	0.0	-1.82e-06	-5.40e-06
226	28	-3.25e-03	-0.41	-0.32	0.0	1.92e-06	-9.91e-06
226	44	-5.48e-03	-0.67	-0.28	0.0	0.0	-8.84e-06
226	73	-7.46e-03	0.42	-0.12	0.0	-1.31e-06	-4.04e-06
226	80	-2.79e-03	-0.27	-0.22	0.0	1.19e-06	-7.05e-06
226	88	-4.27e-03	-0.44	-0.20	0.0	0.0	-6.34e-06
226	98	-2.20e-03	-9.59e-03	-0.18	0.0	1.00e-06	-6.03e-06
226	102	-4.64e-03	0.08	-0.12	0.0	0.0	-4.25e-06
226	105	-2.82e-03	-0.10	-0.18	0.0	0.0	-5.79e-06
226	106	-4.01e-03	-5.93e-03	-0.12	0.0	0.0	-4.39e-06
226	107	-2.46e-03	-9.07e-03	-0.17	0.0	0.0	-5.79e-06
226	115	-5.62	-4.47	-0.23	0.0	-1.82e-03	3.67e-04
226	127	0.20	-4.43	-0.23	0.0	6.60e-05	-2.64e-05
226	139	-3.18	-4.94	-0.23	0.0	-1.03e-03	2.23e-04
226	147	-6.34	-5.03	-0.24	0.0	-2.06e-03	4.14e-04
226	159	0.23	-4.98	-0.24	0.0	7.56e-05	-2.94e-05
226	171	-3.59	-5.57	-0.24	0.0	-1.16e-03	2.53e-04
226	179	-6.38	-5.01	-0.24	0.0	-2.07e-03	4.14e-04
226	203	-3.69	-5.59	-0.24	0.0	-1.19e-03	2.59e-04
226	211	-7.52	-5.88	-0.25	0.0	-2.44e-03	4.88e-04
226	235	-4.41	-6.59	-0.25	0.0	-1.43e-03	3.11e-04
227	16	-0.01	0.73	-0.25	-1.41e-06	6.15e-05	-6.04e-06
227	28	-1.90e-03	-0.46	-0.46	2.17e-05	1.05e-04	-1.09e-05
227	44	-4.64e-03	-0.75	-0.41	2.65e-05	9.46e-05	-9.74e-06
227	73	-7.80e-03	0.49	-0.18	0.0	4.53e-05	-4.52e-06
227	80	-1.91e-03	-0.30	-0.32	1.55e-05	7.40e-05	-7.79e-06
227	88	-3.74e-03	-0.50	-0.29	1.87e-05	6.74e-05	-6.99e-06
227	98	-1.47e-03	-3.20e-03	-0.26	9.13e-06	6.14e-05	-6.70e-06
227	102	-4.59e-03	0.10	-0.17	6.48e-06	4.34e-05	-4.75e-06
227	105	-2.21e-03	-0.10	-0.25	1.08e-05	5.93e-05	-6.42e-06
227	106	-3.85e-03	-1.09e-03	-0.18	8.24e-06	4.39e-05	-4.89e-06
227	107	-1.81e-03	-2.90e-03	-0.25	9.00e-06	5.89e-05	-6.44e-06
227	115	-6.41	-5.11	-0.32	6.93e-05	-7.59e-04	4.16e-04
227	127	0.23	-5.08	-0.32	7.35e-05	1.06e-04	-2.95e-05
227	139	-3.62	-5.66	-0.32	7.49e-05	1.91e-04	2.53e-04
227	147	-7.22	-5.76	-0.32	7.70e-05	-8.63e-04	4.70e-04
227	159	0.27	-5.71	-0.33	8.16e-05	1.12e-04	-3.29e-05
227	171	-4.09	-6.38	-0.33	8.34e-05	2.06e-04	2.86e-04
227	179	-7.27	-5.74	-0.32	7.70e-05	-8.61e-04	4.69e-04
227	203	-4.20	-6.40	-0.33	8.37e-05	1.99e-04	2.93e-04
227	211	-8.57	-6.73	-0.34	8.89e-05	-1.02e-03	5.53e-04
227	235	-5.03	-7.55	-0.34	9.71e-05	2.14e-04	3.52e-04
228	16	-0.01	0.53	-0.14	0.0	-4.24e-06	-3.30e-06
228	28	-8.81e-03	-0.35	-0.26	0.0	-2.07e-06	-6.50e-06

228	44	-0.01	-0.57	-0.23	0.0	-2.76e-06	-5.77e-06
228	73	-8.77e-03	0.35	-0.10	0.0	-3.12e-06	-2.48e-06
228	80	-6.66e-03	-0.24	-0.18	0.0	-1.67e-06	-4.61e-06
228	88	-7.50e-03	-0.38	-0.17	0.0	-2.13e-06	-4.13e-06
228	98	-5.50e-03	-0.01	-0.15	0.0	-1.44e-06	-3.94e-06
228	102	-6.47e-03	0.06	-0.10	0.0	-2.19e-06	-2.72e-06
228	105	-5.89e-03	-0.09	-0.14	0.0	-1.63e-06	-3.78e-06
228	106	-6.00e-03	-7.98e-03	-0.10	0.0	-2.00e-06	-2.83e-06
228	107	-5.58e-03	-0.01	-0.14	0.0	-1.52e-06	-3.78e-06
228	115	-4.66	-3.81	-0.23	0.0	-1.79e-03	3.26e-04
228	127	0.17	-3.78	-0.24	0.0	6.59e-05	-2.10e-05
228	139	-2.63	-4.22	-0.24	0.0	-1.01e-03	1.98e-04
228	147	-5.25	-4.30	-0.25	0.0	-2.01e-03	3.68e-04
228	159	0.20	-4.25	-0.25	0.0	7.57e-05	-2.35e-05
228	171	-2.98	-4.76	-0.25	0.0	-1.14e-03	2.25e-04
228	179	-5.29	-4.28	-0.25	0.0	-2.02e-03	3.68e-04
228	203	-3.05	-4.77	-0.25	0.0	-1.17e-03	2.30e-04
228	211	-6.23	-5.01	-0.26	0.0	-2.39e-03	4.34e-04
228	235	-3.65	-5.63	-0.27	0.0	-1.40e-03	2.76e-04
229	16	-0.01	0.63	-0.18	0.0	-3.41e-06	-5.13e-06
229	28	-9.54e-03	-0.41	-0.35	0.0	0.0	-9.50e-06
229	44	-0.01	-0.66	-0.32	0.0	-1.43e-06	-8.51e-06
229	73	-0.01	0.42	-0.13	0.0	-2.50e-06	-3.85e-06
229	80	-7.27e-03	-0.27	-0.25	0.0	0.0	-6.76e-06
229	88	-8.32e-03	-0.44	-0.22	0.0	-1.18e-06	-6.11e-06
229	98	-6.04e-03	-8.35e-03	-0.20	0.0	0.0	-5.78e-06
229	102	-7.37e-03	0.08	-0.13	0.0	-1.58e-06	-4.10e-06
229	105	-6.51e-03	-0.09	-0.19	0.0	0.0	-5.56e-06
229	106	-6.82e-03	-5.07e-03	-0.14	0.0	-1.38e-06	-4.24e-06
229	107	-6.15e-03	-7.88e-03	-0.19	0.0	0.0	-5.56e-06
229	115	-5.43	-4.47	-0.30	0.0	-1.77e-03	3.73e-04
229	127	0.20	-4.43	-0.30	0.0	6.54e-05	-2.57e-05
229	139	-3.07	-4.94	-0.30	0.0	-9.97e-04	2.26e-04
229	147	-6.12	-5.03	-0.31	0.0	-1.99e-03	4.21e-04
229	159	0.23	-4.98	-0.32	0.0	7.50e-05	-2.87e-05
229	171	-3.47	-5.57	-0.32	0.0	-1.13e-03	2.56e-04
229	179	-6.16	-5.01	-0.31	0.0	-2.00e-03	4.21e-04
229	203	-3.55	-5.59	-0.32	0.0	-1.16e-03	2.62e-04
229	211	-7.26	-5.88	-0.33	0.0	-2.36e-03	4.96e-04
229	235	-4.25	-6.59	-0.34	0.0	-1.38e-03	3.15e-04
230	16	-0.01	0.73	-0.27	-1.33e-05	6.80e-05	-7.74e-06
230	28	-8.76e-03	-0.45	-0.51	-1.39e-06	1.15e-04	-1.35e-05
230	44	-0.01	-0.75	-0.46	4.94e-06	1.05e-04	-1.22e-05
230	73	-0.01	0.49	-0.20	-8.76e-06	5.02e-05	-5.80e-06
230	80	-6.80e-03	-0.30	-0.36	0.0	8.15e-05	-9.66e-06
230	88	-8.13e-03	-0.50	-0.33	3.42e-06	7.47e-05	-8.77e-06
230	98	-5.67e-03	-2.25e-03	-0.29	-3.65e-06	6.77e-05	-8.28e-06
230	102	-7.59e-03	0.10	-0.19	-2.35e-06	4.85e-05	-6.00e-06
230	105	-6.24e-03	-0.10	-0.28	-1.74e-06	6.56e-05	-7.98e-06
230	106	-6.94e-03	-3.71e-04	-0.20	0.0	4.91e-05	-6.17e-06
230	107	-5.85e-03	-1.98e-03	-0.28	-3.25e-06	6.50e-05	-7.98e-06
230	115	-6.19	-5.11	-0.40	5.84e-05	-7.34e-04	4.14e-04
230	127	0.23	-5.07	-0.41	6.17e-05	1.12e-04	-3.12e-05
230	139	-3.49	-5.65	-0.40	6.23e-05	2.05e-04	2.50e-04
230	147	-6.98	-5.76	-0.42	6.62e-05	-8.35e-04	4.67e-04
230	159	0.26	-5.70	-0.42	6.98e-05	1.18e-04	-3.46e-05
230	171	-3.95	-6.38	-0.42	7.06e-05	2.22e-04	2.84e-04
230	179	-7.02	-5.73	-0.42	6.63e-05	-8.32e-04	4.67e-04
230	203	-4.05	-6.40	-0.42	7.11e-05	2.15e-04	2.90e-04
230	211	-8.27	-6.72	-0.44	7.85e-05	-9.88e-04	5.50e-04
230	235	-4.84	-7.54	-0.45	8.45e-05	2.32e-04	3.50e-04
231	18	-0.01	0.53	-0.22	0.0	-7.16e-06	-1.63e-06
231	28	-0.01	-0.35	-0.29	0.0	-6.60e-06	-2.63e-06
231	44	-0.01	-0.57	-0.26	0.0	-6.91e-06	-2.27e-06
231	75	-0.01	0.35	-0.16	0.0	-5.28e-06	-1.20e-06
231	80	-8.98e-03	-0.24	-0.20	0.0	-4.91e-06	-1.87e-06
231	88	-9.56e-03	-0.38	-0.19	0.0	-5.12e-06	-1.62e-06
231	98	-7.49e-03	-0.01	-0.16	0.0	-4.21e-06	-1.62e-06
231	103	-7.87e-03	0.06	-0.15	0.0	-4.35e-06	-1.45e-06
231	105	-7.78e-03	-0.08	-0.16	0.0	-4.31e-06	-1.54e-06
231	107	-7.48e-03	-0.01	-0.16	0.0	-4.19e-06	-1.55e-06
231	115	-4.48	-3.81	-0.32	0.0	-1.73e-03	3.42e-04
231	135	-2.64	-4.20	-0.33	0.0	-1.02e-03	2.03e-04
231	139	-2.53	-4.22	-0.33	0.0	-9.79e-04	2.07e-04
231	147	-5.05	-4.30	-0.34	0.0	-1.95e-03	3.86e-04

231	167	-2.98	-4.73	-0.35	0.0	-1.15e-03	2.29e-04
231	171	-2.86	-4.76	-0.35	0.0	-1.11e-03	2.34e-04
231	179	-5.08	-4.28	-0.34	0.0	-1.96e-03	3.86e-04
231	203	-2.93	-4.78	-0.35	0.0	-1.13e-03	2.40e-04
231	211	-5.99	-5.02	-0.38	0.0	-2.31e-03	4.55e-04
231	235	-3.50	-5.63	-0.39	0.0	-1.35e-03	2.88e-04
232	18	-0.02	0.63	-0.29	0.0	-7.73e-06	-3.81e-06
232	28	-0.02	-0.40	-0.38	0.0	-7.20e-06	-5.37e-06
232	44	-0.02	-0.66	-0.35	0.0	-7.48e-06	-4.77e-06
232	75	-0.01	0.42	-0.21	0.0	-5.71e-06	-2.78e-06
232	80	-0.01	-0.27	-0.27	0.0	-5.35e-06	-3.82e-06
232	88	-0.01	-0.44	-0.25	0.0	-5.54e-06	-3.41e-06
232	98	-9.62e-03	-7.34e-03	-0.22	0.0	-4.61e-06	-3.27e-06
232	103	-0.01	0.08	-0.20	0.0	-4.75e-06	-3.00e-06
232	105	-9.96e-03	-0.09	-0.21	0.0	-4.71e-06	-3.13e-06
232	107	-9.59e-03	-6.92e-03	-0.21	0.0	-4.59e-06	-3.14e-06
232	115	-5.23	-4.47	-0.40	0.0	-1.72e-03	3.94e-04
232	135	-3.09	-4.92	-0.41	0.0	-1.02e-03	2.33e-04
232	139	-2.95	-4.94	-0.41	0.0	-9.74e-04	2.37e-04
232	147	-5.90	-5.03	-0.43	0.0	-1.94e-03	4.44e-04
232	167	-3.48	-5.54	-0.44	0.0	-1.15e-03	2.63e-04
232	171	-3.34	-5.57	-0.44	0.0	-1.10e-03	2.69e-04
232	179	-5.93	-5.01	-0.43	0.0	-1.95e-03	4.45e-04
232	203	-3.42	-5.59	-0.44	0.0	-1.13e-03	2.75e-04
232	211	-6.99	-5.88	-0.47	0.0	-2.30e-03	5.24e-04
232	235	-4.08	-6.59	-0.48	0.0	-1.35e-03	3.31e-04
233	18	-0.02	0.73	-0.43	-7.55e-05	1.08e-04	-1.35e-05
233	28	-0.02	-0.45	-0.56	-8.23e-05	1.30e-04	-1.72e-05
233	44	-0.02	-0.75	-0.52	-7.21e-05	1.19e-04	-1.58e-05
233	75	-0.01	0.49	-0.31	-5.35e-05	7.79e-05	-9.78e-06
233	80	-0.01	-0.30	-0.40	-5.80e-05	9.21e-05	-1.23e-05
233	88	-0.01	-0.50	-0.37	-5.13e-05	8.48e-05	-1.13e-05
233	98	-0.01	-1.50e-03	-0.32	-4.87e-05	7.68e-05	-1.03e-05
233	103	-0.01	0.10	-0.30	-4.69e-05	7.32e-05	-9.74e-06
233	105	-0.01	-0.10	-0.31	-4.64e-05	7.45e-05	-1.00e-05
233	107	-0.01	-1.25e-03	-0.31	-4.66e-05	7.39e-05	-9.97e-06
233	115	-5.97	-5.11	-0.53	-2.36e-05	-7.07e-04	4.21e-04
233	135	-3.52	-5.62	-0.54	-2.37e-05	1.70e-04	2.47e-04
233	139	-3.37	-5.65	-0.54	-2.38e-05	2.18e-04	2.53e-04
233	147	-6.73	-5.75	-0.56	-2.07e-05	-8.06e-04	4.76e-04
233	167	-3.98	-6.33	-0.57	-2.08e-05	1.81e-04	2.80e-04
233	171	-3.81	-6.37	-0.57	-2.09e-05	2.35e-04	2.87e-04
233	179	-6.77	-5.73	-0.56	-2.06e-05	-8.01e-04	4.76e-04
233	203	-3.90	-6.39	-0.57	-2.07e-05	2.28e-04	2.94e-04
233	211	-7.98	-6.72	-0.60	-1.60e-05	-9.53e-04	5.62e-04
233	235	-4.66	-7.54	-0.62	-1.59e-05	2.46e-04	3.54e-04
234	18	-0.01	0.53	-0.17	0.0	-8.48e-06	2.95e-06
234	28	-0.01	-0.35	-0.22	0.0	-8.40e-06	2.70e-06
234	44	-0.01	-0.57	-0.20	0.0	-8.51e-06	2.52e-06
234	75	-9.90e-03	0.35	-0.12	0.0	-6.23e-06	2.08e-06
234	80	-9.13e-03	-0.23	-0.16	0.0	-6.18e-06	1.91e-06
234	88	-9.65e-03	-0.38	-0.14	0.0	-6.25e-06	1.80e-06
234	98	-7.64e-03	-0.01	-0.13	0.0	-5.26e-06	1.55e-06
234	103	-7.96e-03	0.06	-0.12	0.0	-5.32e-06	1.58e-06
234	105	-7.91e-03	-0.08	-0.12	0.0	-5.33e-06	1.53e-06
234	107	-7.62e-03	-9.86e-03	-0.12	0.0	-5.20e-06	1.50e-06
234	115	-4.29	-3.81	-0.25	0.0	-1.66e-03	3.60e-04
234	135	-2.54	-4.20	-0.26	0.0	-9.83e-04	2.13e-04
234	139	-2.42	-4.22	-0.26	0.0	-9.39e-04	2.17e-04
234	147	-4.84	-4.30	-0.27	0.0	-1.87e-03	4.06e-04
234	167	-2.86	-4.73	-0.28	0.0	-1.11e-03	2.41e-04
234	171	-2.73	-4.76	-0.28	0.0	-1.06e-03	2.45e-04
234	179	-4.86	-4.28	-0.27	0.0	-1.88e-03	4.07e-04
234	203	-2.80	-4.78	-0.28	0.0	-1.08e-03	2.51e-04
234	211	-5.73	-5.02	-0.29	0.0	-2.22e-03	4.79e-04
234	235	-3.34	-5.63	-0.31	0.0	-1.30e-03	3.01e-04
235	18	-0.02	0.63	-0.21	0.0	-1.03e-05	3.68e-06
235	28	-0.02	-0.40	-0.28	0.0	-1.06e-05	3.31e-06
235	44	-0.02	-0.66	-0.25	0.0	-1.05e-05	3.17e-06
235	75	-0.01	0.42	-0.15	0.0	-7.56e-06	2.63e-06
235	80	-0.01	-0.27	-0.20	0.0	-7.74e-06	2.38e-06
235	88	-0.01	-0.44	-0.18	0.0	-7.73e-06	2.29e-06
235	98	-0.01	-6.66e-03	-0.16	0.0	-6.58e-06	1.99e-06
235	103	-0.01	0.08	-0.15	0.0	-6.60e-06	2.04e-06
235	105	-0.01	-0.09	-0.15	0.0	-6.63e-06	1.97e-06

235	107	-0.01	-6.27e-03	-0.15	0.0	-6.49e-06	1.94e-06
235	115	-5.01	-4.47	-0.30	0.0	-1.66e-03	4.28e-04
235	135	-2.96	-4.92	-0.31	0.0	-9.83e-04	2.53e-04
235	139	-2.83	-4.94	-0.31	0.0	-9.39e-04	2.56e-04
235	147	-5.65	-5.03	-0.32	0.0	-1.87e-03	4.82e-04
235	167	-3.34	-5.54	-0.33	0.0	-1.11e-03	2.86e-04
235	171	-3.19	-5.57	-0.33	0.0	-1.06e-03	2.90e-04
235	179	-5.67	-5.01	-0.32	0.0	-1.88e-03	4.84e-04
235	203	-3.27	-5.60	-0.33	0.0	-1.08e-03	2.97e-04
235	211	-6.69	-5.88	-0.35	0.0	-2.21e-03	5.70e-04
235	235	-3.90	-6.60	-0.36	0.0	-1.29e-03	3.57e-04
236	11	-0.02	0.44	-0.31	-1.40e-04	1.22e-04	1.22e-05
236	28	-0.02	-0.45	-0.38	-1.63e-04	1.34e-04	1.25e-05
236	44	-0.02	-0.75	-0.35	-1.54e-04	1.23e-04	1.19e-05
236	71	-0.02	0.29	-0.22	-1.00e-04	8.70e-05	8.78e-06
236	80	-0.02	-0.30	-0.27	-1.15e-04	9.54e-05	9.03e-06
236	88	-0.02	-0.50	-0.24	-1.09e-04	8.78e-05	8.59e-06
236	98	-0.01	-6.43e-04	-0.21	-9.20e-05	7.95e-05	7.62e-06
236	103	-0.01	0.10	-0.20	-8.66e-05	7.58e-05	7.47e-06
236	105	-0.01	-0.10	-0.21	-9.06e-05	7.72e-05	7.51e-06
236	106	-0.01	8.06e-04	-0.14	-6.83e-05	5.86e-05	6.14e-06
236	107	-0.01	-4.36e-04	-0.20	-8.86e-05	7.65e-05	7.41e-06
236	115	-5.73	-5.11	-0.37	-1.60e-04	-7.10e-04	5.12e-04
236	135	-3.39	-5.62	-0.38	-1.70e-04	1.74e-04	3.04e-04
236	139	-3.23	-5.65	-0.38	-1.70e-04	2.26e-04	3.06e-04
236	147	-6.46	-5.75	-0.39	-1.69e-04	-8.10e-04	5.76e-04
236	167	-3.82	-6.33	-0.40	-1.80e-04	1.86e-04	3.42e-04
236	171	-3.65	-6.37	-0.40	-1.81e-04	2.44e-04	3.46e-04
236	179	-6.49	-5.73	-0.39	-1.68e-04	-8.04e-04	5.79e-04
236	203	-3.74	-6.39	-0.40	-1.81e-04	2.36e-04	3.55e-04
236	211	-7.65	-6.72	-0.42	-1.82e-04	-9.55e-04	6.81e-04
236	235	-4.46	-7.53	-0.44	-1.97e-04	2.55e-04	4.25e-04
237	16	-0.01	0.53	-0.05	0.0	-5.30e-06	5.91e-06
237	28	-8.92e-03	-0.35	-0.11	0.0	-5.34e-06	8.68e-06
237	44	-9.97e-03	-0.57	-0.10	0.0	-5.54e-06	7.83e-06
237	73	-7.99e-03	0.36	-0.04	0.0	-3.91e-06	4.30e-06
237	80	-6.74e-03	-0.23	-0.08	0.0	-3.94e-06	6.14e-06
237	88	-7.44e-03	-0.38	-0.07	0.0	-4.07e-06	5.57e-06
237	98	-5.67e-03	-9.21e-03	-0.06	0.0	-3.31e-06	5.11e-06
237	102	-6.36e-03	0.07	-0.04	0.0	-3.23e-06	3.69e-06
237	105	-5.99e-03	-0.08	-0.06	0.0	-3.39e-06	4.93e-06
237	106	-6.07e-03	-6.07e-03	-0.04	0.0	-3.12e-06	3.61e-06
237	107	-5.72e-03	-8.76e-03	-0.06	0.0	-3.28e-06	4.90e-06
237	115	-4.09	-3.81	-0.09	0.0	-1.56e-03	3.73e-04
237	135	-2.42	-4.20	-0.09	0.0	-9.27e-04	2.22e-04
237	139	-2.30	-4.22	-0.09	0.0	-8.83e-04	2.24e-04
237	147	-4.61	-4.30	-0.09	0.0	-1.76e-03	4.20e-04
237	171	-2.60	-4.76	-0.10	0.0	-9.98e-04	2.53e-04
237	179	-4.63	-4.28	-0.09	0.0	-1.77e-03	4.22e-04
237	203	-2.66	-4.78	-0.10	0.0	-1.02e-03	2.60e-04
237	211	-5.46	-5.02	-0.10	0.0	-2.08e-03	4.97e-04
237	235	-3.17	-5.63	-0.10	0.0	-1.22e-03	3.11e-04
238	16	-0.01	0.63	-0.07	0.0	-4.51e-06	7.31e-06
238	28	-0.01	-0.40	-0.15	0.0	-4.41e-06	9.90e-06
238	44	-0.01	-0.66	-0.13	0.0	-4.71e-06	9.09e-06
238	73	-9.72e-03	0.42	-0.05	0.0	-3.33e-06	5.35e-06
238	80	-8.55e-03	-0.27	-0.10	0.0	-3.27e-06	7.07e-06
238	88	-9.31e-03	-0.44	-0.09	0.0	-3.47e-06	6.54e-06
238	98	-7.18e-03	-5.42e-03	-0.08	0.0	-2.69e-06	5.97e-06
238	102	-7.81e-03	0.08	-0.05	0.0	-2.72e-06	4.62e-06
238	105	-7.54e-03	-0.09	-0.08	0.0	-2.80e-06	5.81e-06
238	106	-7.47e-03	-3.10e-03	-0.05	0.0	-2.62e-06	4.52e-06
238	107	-7.22e-03	-5.09e-03	-0.08	0.0	-2.68e-06	5.77e-06
238	115	-4.77	-4.47	-0.11	0.0	-1.55e-03	4.52e-04
238	135	-2.82	-4.92	-0.11	0.0	-9.19e-04	2.68e-04
238	139	-2.68	-4.94	-0.11	0.0	-8.75e-04	2.70e-04
238	147	-5.37	-5.03	-0.12	0.0	-1.75e-03	5.09e-04
238	171	-3.03	-5.57	-0.12	0.0	-9.89e-04	3.05e-04
238	179	-5.39	-5.01	-0.12	0.0	-1.75e-03	5.12e-04
238	203	-3.10	-5.60	-0.12	0.0	-1.01e-03	3.13e-04
238	211	-6.35	-5.88	-0.12	0.0	-2.07e-03	6.02e-04
238	235	-3.70	-6.60	-0.13	0.0	-1.21e-03	3.75e-04
239	16	-0.01	0.73	-0.09	-5.54e-05	7.69e-05	9.99e-06
239	28	-0.01	-0.45	-0.21	-1.13e-04	1.29e-04	1.27e-05
239	48	-0.01	-0.75	-0.15	-9.16e-05	9.56e-05	9.54e-06

239	73	-0.01	0.49	-0.07	-4.18e-05	5.69e-05	7.35e-06
239	80	-9.20e-03	-0.30	-0.14	-8.05e-05	9.16e-05	9.18e-06
239	88	-0.01	-0.50	-0.13	-7.85e-05	8.42e-05	8.62e-06
239	98	-7.69e-03	-2.15e-04	-0.12	-6.26e-05	7.63e-05	7.89e-06
239	102	-8.47e-03	0.10	-0.07	-4.56e-05	5.51e-05	6.45e-06
239	105	-8.11e-03	-0.10	-0.11	-6.27e-05	7.40e-05	7.72e-06
239	106	-8.09e-03	1.13e-03	-0.07	-4.77e-05	5.59e-05	6.34e-06
239	107	-7.74e-03	-2.29e-05	-0.11	-6.05e-05	7.33e-05	7.67e-06
239	115	-5.43	-5.11	-0.15	-1.29e-04	-7.32e-04	5.36e-04
239	135	-3.22	-5.62	-0.15	-1.48e-04	1.74e-04	3.17e-04
239	139	-3.06	-5.65	-0.15	-1.49e-04	2.30e-04	3.18e-04
239	147	-6.12	-5.76	-0.15	-1.38e-04	-8.35e-04	6.04e-04
239	171	-3.46	-6.37	-0.16	-1.60e-04	2.49e-04	3.59e-04
239	179	-6.15	-5.73	-0.15	-1.37e-04	-8.27e-04	6.07e-04
239	203	-3.53	-6.39	-0.16	-1.60e-04	2.42e-04	3.69e-04
239	211	-7.24	-6.73	-0.16	-1.50e-04	-9.80e-04	7.15e-04
239	235	-4.22	-7.54	-0.16	-1.77e-04	2.63e-04	4.42e-04
240	16	-6.24e-03	0.54	-0.04	0.0	-4.01e-06	9.32e-06
240	28	-1.95e-03	-0.35	-0.08	0.0	-4.71e-06	1.42e-05
240	44	-3.72e-03	-0.57	-0.07	0.0	-4.77e-06	1.25e-05
240	73	-4.67e-03	0.36	-0.03	0.0	-2.94e-06	6.77e-06
240	80	-1.81e-03	-0.23	-0.06	0.0	-3.41e-06	1.00e-05
240	88	-2.99e-03	-0.38	-0.05	0.0	-3.45e-06	8.91e-06
240	98	-1.57e-03	-7.98e-03	-0.05	0.0	-2.74e-06	8.43e-06
240	102	-3.44e-03	0.07	-0.03	0.0	-2.43e-06	5.88e-06
240	105	-2.04e-03	-0.08	-0.04	0.0	-2.79e-06	8.05e-06
240	106	-3.19e-03	-5.24e-03	-0.03	0.0	-2.34e-06	5.77e-06
240	107	-1.80e-03	-7.59e-03	-0.04	0.0	-2.68e-06	8.05e-06
240	115	-3.89	-3.81	-0.05	0.0	-1.46e-03	3.73e-04
240	139	-2.18	-4.22	-0.05	0.0	-8.27e-04	2.24e-04
240	147	-4.38	-4.30	-0.05	0.0	-1.65e-03	4.20e-04
240	171	-2.47	-4.76	-0.05	0.0	-9.34e-04	2.53e-04
240	179	-4.39	-4.28	-0.05	0.0	-1.66e-03	4.21e-04
240	199	-2.62	-4.72	-0.05	0.0	-9.88e-04	2.53e-04
240	203	-2.52	-4.78	-0.05	0.0	-9.53e-04	2.59e-04
240	211	-5.18	-5.02	-0.05	0.0	-1.95e-03	4.95e-04
240	231	-3.09	-5.53	-0.05	0.0	-1.17e-03	2.99e-04
240	235	-3.00	-5.63	-0.05	0.0	-1.14e-03	3.09e-04
241	28	-4.18e-03	-0.40	-0.11	0.0	-4.93e-06	1.34e-05
241	42	-8.02e-03	-0.66	-0.05	0.0	-4.16e-06	8.74e-06
241	44	-5.94e-03	-0.66	-0.09	0.0	-4.95e-06	1.20e-05
241	80	-3.41e-03	-0.27	-0.07	0.0	-3.53e-06	9.55e-06
241	86	-5.97e-03	-0.44	-0.04	0.0	-3.02e-06	6.43e-06
241	88	-4.58e-03	-0.44	-0.06	0.0	-3.55e-06	8.63e-06
241	98	-2.83e-03	-3.98e-03	-0.06	0.0	-2.77e-06	8.13e-06
241	104	-4.51e-03	-0.09	-0.03	0.0	-2.36e-06	5.94e-06
241	105	-3.32e-03	-0.09	-0.06	0.0	-2.82e-06	7.83e-06
241	106	-4.22e-03	-2.12e-03	-0.03	0.0	-2.24e-06	5.93e-06
241	107	-3.03e-03	-3.71e-03	-0.06	0.0	-2.69e-06	7.82e-06
241	115	-4.51	-4.47	-0.06	0.0	-1.45e-03	4.54e-04
241	139	-2.54	-4.94	-0.06	0.0	-8.17e-04	2.71e-04
241	147	-5.09	-5.03	-0.06	0.0	-1.63e-03	5.10e-04
241	171	-2.87	-5.57	-0.06	0.0	-9.23e-04	3.05e-04
241	179	-5.11	-5.01	-0.06	0.0	-1.64e-03	5.13e-04
241	199	-3.04	-5.53	-0.06	0.0	-9.77e-04	3.07e-04
241	203	-2.93	-5.59	-0.06	0.0	-9.42e-04	3.14e-04
241	211	-6.01	-5.88	-0.07	0.0	-1.93e-03	6.03e-04
241	231	-3.59	-6.48	-0.07	0.0	-1.15e-03	3.62e-04
241	235	-3.49	-6.60	-0.07	0.0	-1.12e-03	3.75e-04
242	28	-6.27e-03	-0.45	-0.15	-2.00e-05	1.24e-04	1.06e-05
242	42	-9.75e-03	-0.75	-0.07	-2.72e-05	8.29e-05	7.80e-06
242	48	-6.63e-03	-0.75	-0.11	-2.30e-05	9.15e-05	7.83e-06
242	80	-4.90e-03	-0.30	-0.10	-1.45e-05	8.78e-05	7.61e-06
242	86	-7.21e-03	-0.50	-0.05	-1.93e-05	6.06e-05	5.78e-06
242	88	-6.08e-03	-0.50	-0.09	-1.85e-05	8.05e-05	7.10e-06
242	98	-3.97e-03	1.92e-04	-0.09	-8.44e-06	7.30e-05	6.58e-06
242	104	-5.45e-03	-0.10	-0.05	-1.11e-05	5.37e-05	5.29e-06
242	105	-4.48e-03	-0.10	-0.08	-1.04e-05	7.08e-05	6.42e-06
242	106	-5.10e-03	1.46e-03	-0.05	-9.28e-06	5.31e-05	5.26e-06
242	107	-4.13e-03	3.72e-04	-0.08	-8.56e-06	7.02e-05	6.39e-06
242	115	-5.14	-5.11	-0.09	2.60e-06	-7.55e-04	5.35e-04
242	135	-3.05	-5.62	-0.09	-6.20e-05	1.75e-04	3.16e-04
242	136	2.88	5.65	-0.07	4.60e-05	-9.43e-05	-3.04e-04
242	147	-5.79	-5.76	-0.09	3.96e-06	-8.60e-04	6.02e-04
242	167	-3.44	-6.33	-0.09	-6.86e-05	1.87e-04	3.56e-04

242	168	3.26	6.37	-0.07	5.28e-05	-1.14e-04	-3.45e-04
242	179	-5.81	-5.74	-0.09	1.67e-06	-8.50e-04	6.06e-04
242	199	-3.46	-6.32	-0.09	-6.85e-05	1.85e-04	3.61e-04
242	200	3.32	6.40	-0.07	5.28e-05	-1.07e-04	-3.55e-04
242	211	-6.84	-6.73	-0.09	2.23e-06	-1.01e-03	7.13e-04
242	231	-4.09	-7.41	-0.09	-7.87e-05	2.04e-04	4.27e-04
242	232	3.97	7.54	-0.07	6.31e-05	-1.29e-04	-4.28e-04
243	4	8.43e-03	0.31	-0.08	0.0	-5.82e-06	2.09e-05
243	44	5.09e-03	-0.57	-0.07	0.0	-5.89e-06	1.69e-05
243	52	9.22e-03	-0.01	-0.08	0.0	-5.64e-06	2.01e-05
243	68	5.49e-03	0.21	-0.06	0.0	-4.10e-06	1.47e-05
243	88	3.26e-03	-0.38	-0.05	0.0	-4.15e-06	1.20e-05
243	92	6.01e-03	-8.06e-03	-0.06	0.0	-3.98e-06	1.41e-05
243	98	4.40e-03	-6.79e-03	-0.05	0.0	-3.35e-06	1.18e-05
243	105	3.64e-03	-0.08	-0.05	0.0	-3.32e-06	1.11e-05
243	107	3.89e-03	-6.45e-03	-0.05	0.0	-3.20e-06	1.12e-05
243	112	3.70	3.80	-0.03	0.0	1.36e-03	-3.31e-04
243	115	-3.69	-3.81	-0.06	0.0	-1.37e-03	3.54e-04
243	139	-2.07	-4.22	-0.05	0.0	-7.72e-04	2.14e-04
243	144	4.17	4.28	-0.03	0.0	1.53e-03	-3.75e-04
243	147	-4.16	-4.30	-0.06	0.0	-1.54e-03	3.97e-04
243	171	-2.34	-4.76	-0.05	0.0	-8.71e-04	2.41e-04
243	176	4.18	4.26	-0.03	0.0	1.54e-03	-3.75e-04
243	179	-4.17	-4.28	-0.06	0.0	-1.54e-03	3.98e-04
243	203	-2.38	-4.78	-0.05	0.0	-8.88e-04	2.46e-04
243	208	4.92	5.00	-0.03	0.0	1.81e-03	-4.44e-04
243	211	-4.91	-5.02	-0.06	0.0	-1.82e-03	4.66e-04
243	235	-2.84	-5.63	-0.06	0.0	-1.06e-03	2.93e-04
244	4	5.09e-03	0.38	-0.11	0.0	-7.83e-06	1.85e-05
244	44	1.90e-03	-0.66	-0.09	0.0	-7.43e-06	1.49e-05
244	51	5.98e-03	-4.59e-03	-0.11	0.0	-7.27e-06	1.67e-05
244	68	3.16e-03	0.25	-0.08	0.0	-5.47e-06	1.30e-05
244	88	1.03e-03	-0.44	-0.06	0.0	-5.21e-06	1.07e-05
244	91	3.75e-03	-3.09e-03	-0.08	0.0	-5.10e-06	1.18e-05
244	98	2.51e-03	-2.50e-03	-0.06	0.0	-4.41e-06	1.05e-05
244	105	1.80e-03	-0.09	-0.06	0.0	-4.30e-06	9.98e-06
244	107	2.10e-03	-2.31e-03	-0.06	0.0	-4.18e-06	1.01e-05
244	112	4.28	4.46	-0.05	0.0	1.33e-03	-4.24e-04
244	115	-4.27	-4.47	-0.07	0.0	-1.34e-03	4.44e-04
244	139	-2.40	-4.94	-0.07	0.0	-7.56e-04	2.66e-04
244	144	4.82	5.03	-0.04	0.0	1.50e-03	-4.79e-04
244	147	-4.82	-5.03	-0.08	0.0	-1.51e-03	4.99e-04
244	171	-2.71	-5.57	-0.07	0.0	-8.54e-04	3.00e-04
244	176	4.83	5.01	-0.04	0.0	1.50e-03	-4.81e-04
244	179	-4.83	-5.01	-0.08	0.0	-1.51e-03	5.02e-04
244	203	-2.76	-5.60	-0.07	0.0	-8.70e-04	3.08e-04
244	208	5.69	5.87	-0.04	0.0	1.77e-03	-5.69e-04
244	211	-5.69	-5.88	-0.08	0.0	-1.78e-03	5.89e-04
244	235	-3.30	-6.60	-0.07	0.0	-1.04e-03	3.67e-04
245	4	9.01e-04	0.44	-0.16	1.02e-04	1.13e-04	1.17e-05
245	42	-4.88e-03	-0.75	-0.07	3.86e-05	7.87e-05	8.05e-06
245	48	-1.72e-03	-0.75	-0.11	5.34e-05	8.75e-05	8.17e-06
245	68	2.42e-04	0.29	-0.11	7.08e-05	8.03e-05	8.41e-06
245	86	-3.61e-03	-0.50	-0.05	2.87e-05	5.75e-05	5.97e-06
245	88	-1.63e-03	-0.50	-0.09	4.86e-05	7.68e-05	7.41e-06
245	98	1.82e-04	6.32e-04	-0.09	5.40e-05	6.98e-05	6.94e-06
245	102	-2.02e-03	0.10	-0.05	3.58e-05	4.97e-05	5.64e-06
245	104	-2.14e-03	-0.10	-0.05	3.24e-05	5.09e-05	5.50e-06
245	106	-1.80e-03	1.80e-03	-0.05	3.41e-05	5.04e-05	5.49e-06
245	107	-1.02e-04	7.99e-04	-0.08	5.12e-05	6.70e-05	6.73e-06
245	114	-3.90	-2.42	-0.10	1.39e-04	-1.02e-03	4.36e-04
245	115	-4.84	-5.12	-0.09	9.65e-05	-7.79e-04	5.35e-04
245	136	2.72	5.66	-0.09	1.08e-04	-1.05e-04	-3.04e-04
245	146	-4.39	-2.73	-0.10	1.50e-04	-1.15e-03	4.90e-04
245	147	-5.46	-5.77	-0.10	1.02e-04	-8.86e-04	6.03e-04
245	168	3.08	6.38	-0.09	1.15e-04	-1.26e-04	-3.45e-04
245	178	-4.40	-2.71	-0.10	1.47e-04	-1.14e-03	4.91e-04
245	179	-5.47	-5.75	-0.10	1.00e-04	-8.75e-04	6.06e-04
245	200	3.13	6.40	-0.09	1.14e-04	-1.19e-04	-3.55e-04
245	210	-5.17	-3.18	-0.10	1.62e-04	-1.34e-03	5.76e-04
245	211	-6.44	-6.74	-0.10	1.07e-04	-1.03e-03	7.14e-04
245	232	3.74	7.55	-0.09	1.25e-04	-1.43e-04	-4.27e-04
246	4	0.02	0.32	-0.13	0.0	-8.24e-06	2.78e-05
246	44	0.02	-0.56	-0.11	0.0	-8.30e-06	2.11e-05
246	52	0.02	-9.66e-03	-0.13	0.0	-8.38e-06	2.63e-05

246	68	0.02	0.21	-0.09	0.0	-5.69e-06	1.95e-05
246	88	0.01	-0.38	-0.07	0.0	-5.73e-06	1.50e-05
246	92	0.02	-6.76e-03	-0.09	0.0	-5.79e-06	1.84e-05
246	98	0.01	-5.70e-03	-0.07	0.0	-4.69e-06	1.54e-05
246	105	0.01	-0.08	-0.07	0.0	-4.56e-06	1.44e-05
246	107	0.01	-5.42e-03	-0.07	0.0	-4.40e-06	1.46e-05
246	112	3.54	3.80	-0.02	0.0	1.25e-03	-3.04e-04
246	114	-2.82	-1.80	-0.14	0.0	-1.01e-03	2.72e-04
246	139	-1.97	-4.22	-0.04	0.0	-7.10e-04	2.04e-04
246	144	3.99	4.28	-0.01	0.0	1.41e-03	-3.45e-04
246	146	-3.18	-2.03	-0.15	0.0	-1.14e-03	3.05e-04
246	171	-2.23	-4.76	-0.04	0.0	-8.01e-04	2.29e-04
246	176	4.00	4.27	-0.01	0.0	1.41e-03	-3.44e-04
246	178	-3.19	-2.01	-0.15	0.0	-1.14e-03	3.03e-04
246	203	-2.27	-4.78	-0.04	0.0	-8.14e-04	2.33e-04
246	208	4.70	5.01	-5.77e-03	0.0	1.66e-03	-4.07e-04
246	210	-3.75	-2.36	-0.16	0.0	-1.34e-03	3.53e-04
246	235	-2.70	-5.63	-0.04	0.0	-9.69e-04	2.76e-04
247	4	0.02	0.38	-0.17	0.0	-1.48e-05	2.52e-05
247	44	0.01	-0.65	-0.14	0.0	-1.26e-05	1.90e-05
247	52	0.02	-2.25e-03	-0.17	0.0	-1.44e-05	2.36e-05
247	68	0.01	0.25	-0.12	0.0	-1.02e-05	1.77e-05
247	88	8.02e-03	-0.44	-0.10	0.0	-8.75e-06	1.36e-05
247	92	0.01	-1.45e-03	-0.12	0.0	-9.99e-06	1.66e-05
247	98	9.53e-03	-1.03e-03	-0.10	0.0	-8.12e-06	1.40e-05
247	105	8.44e-03	-0.09	-0.09	0.0	-7.67e-06	1.32e-05
247	107	8.81e-03	-9.04e-04	-0.09	0.0	-7.63e-06	1.34e-05
247	112	4.06	4.47	-0.03	0.0	1.19e-03	-4.19e-04
247	114	-3.25	-2.11	-0.17	0.0	-9.69e-04	3.64e-04
247	139	-2.27	-4.94	-0.07	0.0	-6.83e-04	2.68e-04
247	144	4.58	5.03	-0.02	0.0	1.34e-03	-4.74e-04
247	146	-3.66	-2.38	-0.19	0.0	-1.09e-03	4.09e-04
247	171	-2.57	-5.57	-0.07	0.0	-7.71e-04	3.02e-04
247	176	4.58	5.01	-0.02	0.0	1.34e-03	-4.76e-04
247	178	-3.66	-2.36	-0.18	0.0	-1.09e-03	4.09e-04
247	203	-2.61	-5.60	-0.07	0.0	-7.83e-04	3.09e-04
247	208	5.39	5.88	-0.01	0.0	1.58e-03	-5.64e-04
247	210	-4.31	-2.77	-0.20	0.0	-1.28e-03	4.78e-04
247	235	-3.11	-6.60	-0.06	0.0	-9.31e-04	3.68e-04
248	4	7.88e-03	0.44	-0.24	2.23e-04	1.08e-04	1.03e-05
248	48	3.09e-03	-0.75	-0.16	1.36e-04	8.35e-05	7.21e-06
248	52	8.46e-03	5.67e-04	-0.23	2.14e-04	1.11e-04	9.66e-06
248	68	5.25e-03	0.29	-0.17	1.56e-04	7.67e-05	7.40e-06
248	88	2.74e-03	-0.50	-0.14	1.21e-04	7.32e-05	6.54e-06
248	92	5.63e-03	7.38e-04	-0.16	1.50e-04	7.87e-05	6.97e-06
248	98	4.29e-03	1.25e-03	-0.14	1.24e-04	6.65e-05	6.09e-06
248	102	1.31e-03	0.10	-0.08	8.33e-05	4.70e-05	5.01e-06
248	106	1.44e-03	2.28e-03	-0.08	8.13e-05	4.76e-05	4.86e-06
248	107	3.88e-03	1.40e-03	-0.13	1.18e-04	6.38e-05	5.91e-06
248	112	4.56	5.13	-0.03	3.47e-05	9.31e-04	-5.21e-04
248	115	-4.55	-5.13	-0.22	2.01e-04	-8.04e-04	5.33e-04
248	136	2.57	5.67	-0.07	1.96e-04	-1.16e-04	-3.04e-04
248	144	5.14	5.78	-0.02	2.42e-05	1.04e-03	-5.88e-04
248	147	-5.13	-5.78	-0.23	2.12e-04	-9.13e-04	6.00e-04
248	168	2.90	6.39	-0.06	2.06e-04	-1.38e-04	-3.44e-04
248	176	5.15	5.76	-0.02	2.74e-05	1.03e-03	-5.91e-04
248	179	-5.14	-5.75	-0.23	2.08e-04	-9.00e-04	6.03e-04
248	200	2.95	6.41	-0.06	2.05e-04	-1.31e-04	-3.54e-04
248	208	6.06	6.75	-4.64e-03	1.32e-05	1.19e-03	-6.98e-04
248	211	-6.05	-6.75	-0.25	2.22e-04	-1.06e-03	7.10e-04
248	232	3.51	7.56	-0.05	2.19e-04	-1.56e-04	-4.27e-04
249	4	0.01	1.26	-3.10	-7.79e-04	0.0	2.25e-04
249	44	-0.01	-3.63	-2.34	2.64e-03	0.0	-9.31e-04
249	46	-0.02	-3.59	-1.13	2.62e-03	0.0	-9.11e-04
249	68	8.66e-03	0.84	-2.21	-5.17e-04	0.0	1.49e-04
249	86	-0.01	-2.41	-1.25	1.76e-03	0.0	-6.13e-04
249	88	-7.71e-03	-2.42	-1.71	1.76e-03	0.0	-6.22e-04
249	98	6.82e-03	-0.05	-1.82	2.64e-05	0.0	-2.42e-05
249	105	3.56e-03	-0.52	-1.72	3.72e-04	0.0	-1.42e-04
249	107	6.41e-03	-0.05	-1.76	2.53e-05	0.0	-2.30e-05
249	112	9.11	-1.11	-2.61	-6.42e-04	0.0	-5.26e-04
249	124	-0.28	4.86	-3.68	-1.28e-03	0.0	7.51e-06
249	129	5.15	-6.53	-0.06	1.33e-03	0.0	-3.29e-04
249	144	10.27	-1.25	-2.71	-7.25e-04	0.0	-5.90e-04
249	156	-0.32	5.48	-3.92	-1.45e-03	0.0	1.20e-05

249	161	5.82	-7.35	0.15	1.50e-03	0.0	-3.69e-04
249	176	10.35	-1.25	-2.67	-7.00e-04	0.0	-5.89e-04
249	188	-0.37	5.44	-3.88	-1.43e-03	0.0	1.47e-05
249	193	5.99	-7.31	0.14	1.48e-03	0.0	-3.76e-04
249	216	12.47	-1.80	-2.71	1.49e-04	0.0	-7.43e-04
249	220	-0.47	6.35	-4.23	-1.67e-03	0.0	2.43e-05
249	225	7.19	-8.56	0.45	1.72e-03	0.0	-4.46e-04
250	4	0.02	1.30	-3.35	-1.49e-03	-1.65e-06	-3.30e-04
250	19	9.21e-03	2.20	-1.26	-2.57e-03	-2.79e-06	-5.53e-04
250	28	0.02	-0.96	-3.68	8.87e-04	0.0	1.68e-04
250	68	0.01	0.87	-2.40	-9.90e-04	-1.10e-06	-2.20e-04
250	72	8.32e-03	1.47	-1.43	-1.70e-03	-1.86e-06	-3.68e-04
250	80	0.01	-0.64	-2.62	5.94e-04	0.0	1.12e-04
250	98	8.95e-03	-0.01	-2.17	4.02e-05	0.0	0.0
250	102	6.17e-03	0.29	-1.58	-3.19e-04	0.0	-7.31e-05
250	103	9.01e-03	0.28	-2.05	-3.08e-04	0.0	-7.29e-05
250	107	8.48e-03	-0.01	-2.09	3.83e-05	0.0	0.0
250	108	2.79	1.14	-1.32	-3.76e-04	4.17e-06	-3.02e-04
250	127	-1.97	-4.79	-3.84	1.16e-03	-3.53e-06	-2.68e-05
250	129	-0.72	-4.98	-3.69	1.12e-03	-1.65e-06	-2.36e-04
250	140	3.14	1.29	-1.22	-4.28e-04	4.68e-06	-3.41e-04
250	159	-2.22	-5.38	-4.06	1.30e-03	-3.97e-06	-3.05e-05
250	161	-0.81	-5.60	-3.89	1.25e-03	-1.86e-06	-2.67e-04
250	172	2.97	1.27	-1.25	-4.16e-04	4.38e-06	-3.35e-04
250	191	-2.12	-5.31	-4.03	1.29e-03	-3.82e-06	-3.13e-05
250	193	-0.82	-5.52	-3.88	1.24e-03	-1.89e-06	-2.67e-04
250	204	3.39	1.48	-1.12	-4.87e-04	4.96e-06	-3.91e-04
250	223	-2.43	-6.17	-4.34	1.49e-03	-4.40e-06	-3.86e-05
250	225	-0.96	-6.42	-4.17	1.43e-03	-2.22e-06	-3.18e-04
251	18	0.02	0.85	-2.81	6.63e-04	-1.13e-04	-6.81e-06
251	28	0.02	-0.49	-3.60	9.25e-04	-1.13e-04	2.38e-06
251	75	0.02	0.57	-2.03	4.83e-04	-8.59e-05	-4.52e-06
251	80	0.02	-0.32	-2.56	6.58e-04	-8.60e-05	1.60e-06
251	98	0.01	6.56e-03	-2.12	5.31e-04	-8.44e-05	0.0
251	103	0.01	0.12	-2.00	4.97e-04	-8.42e-05	-1.06e-06
251	105	0.01	-0.10	-2.08	5.27e-04	-8.40e-05	0.0
251	107	0.01	6.31e-03	-2.04	5.12e-04	-8.41e-05	0.0
251	108	2.62	0.83	-1.09	3.67e-04	-2.83e-04	-2.86e-04
251	127	-1.85	-4.16	-3.90	1.14e-03	5.94e-05	-2.26e-05
251	130	0.70	4.47	-0.41	-1.51e-04	-1.33e-04	2.18e-04
251	140	2.95	0.93	-0.98	3.49e-04	-3.08e-04	-3.22e-04
251	159	-2.08	-4.68	-4.13	1.22e-03	7.70e-05	-2.58e-05
251	162	0.79	5.02	-0.20	-2.33e-04	-1.40e-04	2.46e-04
251	172	2.78	0.91	-1.02	3.52e-04	-2.92e-04	-3.20e-04
251	191	-1.99	-4.62	-4.09	1.21e-03	6.81e-05	-2.76e-05
251	194	0.80	4.96	-0.22	-2.23e-04	-1.41e-04	2.50e-04
251	204	3.17	1.06	-0.87	3.26e-04	-3.20e-04	-3.74e-04
251	223	-2.28	-5.37	-4.43	1.33e-03	8.99e-05	-3.44e-05
251	226	0.93	5.78	0.08	-3.43e-04	-1.50e-04	2.99e-04
252	4	0.02	1.11	-3.27	-1.13e-03	0.0	-3.53e-04
252	19	7.40e-03	1.88	-1.21	-1.97e-03	0.0	-5.92e-04
252	28	0.02	-0.86	-3.60	7.03e-04	0.0	1.81e-04
252	68	0.01	0.74	-2.34	-7.52e-04	0.0	-2.36e-04
252	72	6.67e-03	1.25	-1.38	-1.30e-03	0.0	-3.94e-04
252	80	0.01	-0.57	-2.56	4.71e-04	0.0	1.21e-04
252	98	7.43e-03	-0.01	-2.12	3.82e-05	0.0	1.28e-06
252	102	4.85e-03	0.24	-1.53	-2.40e-04	0.0	-7.81e-05
252	103	7.45e-03	0.24	-2.00	-2.29e-04	0.0	-7.78e-05
252	107	7.00e-03	-0.01	-2.04	3.64e-05	0.0	1.23e-06
252	108	2.79	0.94	-1.09	-4.31e-04	0.0	-3.01e-04
252	127	-1.98	-4.74	-3.90	1.17e-03	0.0	-2.44e-05
252	129	-0.72	-5.06	-3.67	1.09e-03	0.0	-2.33e-04
252	140	3.14	1.06	-0.98	-4.89e-04	0.0	-3.39e-04
252	159	-2.22	-5.33	-4.13	1.31e-03	0.0	-2.79e-05
252	161	-0.81	-5.69	-3.87	1.23e-03	0.0	-2.63e-04
252	172	2.97	1.05	-1.02	-4.73e-04	0.0	-3.34e-04
252	191	-2.12	-5.26	-4.09	1.29e-03	0.0	-2.79e-05
252	193	-0.82	-5.62	-3.86	1.21e-03	0.0	-2.63e-04
252	204	3.39	1.22	-0.87	-5.51e-04	0.0	-3.90e-04
252	223	-2.43	-6.12	-4.43	1.50e-03	0.0	-3.44e-05
252	225	-0.96	-6.54	-4.16	1.41e-03	0.0	-3.13e-04
253	18	0.02	0.84	-2.72	6.64e-04	-1.21e-04	-2.53e-05
253	28	0.02	-0.48	-3.52	9.26e-04	-1.18e-04	1.07e-05
253	75	0.02	0.56	-1.96	4.84e-04	-9.28e-05	-1.68e-05
253	80	0.02	-0.32	-2.49	6.59e-04	-9.09e-05	7.29e-06

253	98	0.01	6.74e-03	-2.05	5.31e-04	-9.10e-05	1.01e-06
253	103	0.01	0.12	-1.94	4.98e-04	-9.14e-05	-2.54e-06
253	105	0.01	-0.10	-2.01	5.27e-04	-9.11e-05	3.12e-06
253	107	0.01	6.51e-03	-1.97	5.13e-04	-9.12e-05	1.01e-06
253	108	2.62	0.64	-0.88	3.86e-04	-1.97e-04	-2.85e-04
253	127	-1.85	-4.12	-3.93	1.14e-03	-1.70e-05	-1.94e-05
253	130	0.70	4.54	-0.32	-1.60e-04	-1.11e-04	2.17e-04
253	140	2.94	0.72	-0.75	3.70e-04	-2.10e-04	-3.21e-04
253	159	-2.08	-4.64	-4.17	1.22e-03	-7.78e-06	-2.24e-05
253	162	0.79	5.11	-0.11	-2.44e-04	-1.14e-04	2.45e-04
253	172	2.78	0.71	-0.80	3.72e-04	-2.03e-04	-3.19e-04
253	191	-1.98	-4.58	-4.13	1.21e-03	-1.17e-05	-2.39e-05
253	194	0.80	5.05	-0.12	-2.34e-04	-1.13e-04	2.48e-04
253	209	3.17	-2.48	-1.82	8.42e-04	-2.20e-04	-3.70e-04
253	223	-2.27	-5.33	-4.48	1.33e-03	0.0	-3.02e-05
253	226	0.93	5.89	0.18	-3.57e-04	-1.16e-04	2.96e-04
254	19	6.48e-03	1.50	-1.15	-1.27e-03	-6.11e-06	-6.58e-04
254	28	0.02	-0.74	-3.52	4.92e-04	1.83e-06	2.02e-04
254	72	5.92e-03	1.00	-1.32	-8.39e-04	-4.07e-06	-4.38e-04
254	80	0.01	-0.50	-2.50	3.30e-04	1.22e-06	1.35e-04
254	98	6.81e-03	-0.01	-2.05	3.70e-05	0.0	1.83e-06
254	102	4.42e-03	0.19	-1.46	-1.48e-04	0.0	-8.65e-05
254	105	6.95e-03	-0.17	-2.01	1.31e-04	0.0	4.60e-05
254	107	6.42e-03	-0.01	-1.97	3.53e-05	0.0	1.77e-06
254	108	2.79	0.74	-0.89	-4.74e-04	-2.63e-06	-3.75e-04
254	127	-1.97	-4.69	-3.93	1.16e-03	4.37e-06	2.31e-04
254	129	-0.72	-5.12	-3.63	1.05e-03	3.48e-06	2.40e-05
254	140	3.14	0.84	-0.75	-5.38e-04	-2.96e-06	-4.23e-04
254	159	-2.22	-5.27	-4.17	1.30e-03	4.91e-06	2.60e-04
254	161	-0.81	-5.76	-3.83	1.18e-03	3.91e-06	2.66e-05
254	172	2.97	0.83	-0.80	-5.17e-04	-2.87e-06	-4.16e-04
254	191	-2.12	-5.20	-4.13	1.28e-03	4.77e-06	2.55e-04
254	193	-0.82	-5.70	-3.82	1.17e-03	3.77e-06	2.21e-05
254	204	3.39	0.96	-0.63	-6.00e-04	-3.33e-06	-4.86e-04
254	223	-2.43	-6.05	-4.48	1.48e-03	5.52e-06	2.99e-04
254	225	-0.96	-6.64	-4.13	1.36e-03	4.34e-06	2.26e-05
255	8	6.91e-03	2.09	-2.71	-1.50e-03	-3.35e-06	-5.39e-04
255	19	-2.45e-05	3.55	-1.26	-2.57e-03	-5.63e-06	-9.02e-04
255	28	5.83e-03	-1.42	-3.68	8.88e-04	1.74e-06	2.77e-04
255	68	3.68e-03	1.39	-2.40	-9.90e-04	-2.23e-06	-3.58e-04
255	72	-9.35e-04	2.36	-1.43	-1.70e-03	-3.75e-06	-6.01e-04
255	80	3.10e-03	-0.95	-2.62	5.94e-04	1.16e-06	1.85e-04
255	97	-3.66e-03	-0.02	-1.61	2.73e-05	0.0	1.79e-06
255	98	-3.79e-04	-0.04	-2.17	4.02e-05	0.0	2.66e-06
255	102	-3.11e-03	0.45	-1.58	-3.19e-04	0.0	-1.19e-04
255	106	-3.66e-03	-0.02	-1.61	2.73e-05	0.0	1.79e-06
255	107	-8.48e-04	-0.03	-2.09	3.84e-05	0.0	2.54e-06
255	111	-2.89	-1.34	-2.87	4.53e-04	-4.46e-06	3.26e-04
255	127	-2.05	-5.38	-3.85	1.16e-03	0.0	-3.22e-05
255	129	-0.75	-5.58	-3.70	1.12e-03	3.58e-06	-2.57e-04
255	143	-3.25	-1.50	-2.97	5.05e-04	-5.02e-06	3.67e-04
255	159	-2.31	-6.04	-4.07	1.31e-03	0.0	-3.67e-05
255	161	-0.85	-6.28	-3.90	1.25e-03	4.01e-06	-2.90e-04
255	175	-3.08	-1.48	-2.94	4.93e-04	-4.64e-06	3.58e-04
255	191	-2.20	-5.96	-4.03	1.29e-03	0.0	-3.68e-05
255	193	-0.86	-6.19	-3.88	1.24e-03	3.67e-06	-2.88e-04
255	207	-3.52	-1.72	-3.07	5.64e-04	-5.23e-06	4.15e-04
255	223	-2.53	-6.93	-4.35	1.49e-03	0.0	-4.53e-05
255	225	-1.00	-7.20	-4.17	1.43e-03	4.16e-06	-3.41e-04
256	4	0.44	1.48	-3.20	7.83e-04	3.16e-06	-8.90e-04
256	19	0.14	3.17	-1.16	1.20e-03	5.22e-06	-1.45e-03
256	28	0.44	-2.00	-3.53	-2.35e-04	-1.54e-06	4.07e-04
256	68	0.30	0.97	-2.28	5.26e-04	2.10e-06	-5.94e-04
256	72	0.15	2.03	-1.32	8.12e-04	3.48e-06	-9.69e-04
256	80	0.30	-1.36	-2.50	-1.53e-04	-1.03e-06	2.70e-04
256	98	0.24	-0.32	-2.06	5.27e-05	0.0	-1.49e-05
256	105	0.23	-0.63	-2.02	-2.09e-05	0.0	8.20e-05
256	107	0.23	-0.30	-1.98	5.08e-05	0.0	-1.41e-05
256	108	8.21	1.24	-1.00	-5.97e-05	4.34e-06	-6.11e-04
256	127	-5.39	-8.74	-3.87	2.82e-04	-1.05e-05	3.99e-04
256	129	-1.80	-9.42	-3.61	2.55e-04	-1.05e-05	8.09e-05
256	140	9.21	1.43	-0.88	-7.34e-05	4.88e-06	-6.87e-04
256	159	-6.09	-9.80	-4.10	3.11e-04	-1.18e-05	4.51e-04
256	161	-2.06	-10.56	-3.82	2.81e-04	-1.18e-05	9.18e-05
256	172	8.78	1.41	-0.93	-6.87e-05	4.75e-06	-6.76e-04

256	191	-5.83	-9.68	-4.06	3.07e-04	-1.16e-05	4.38e-04
256	193	-2.08	-10.43	-3.81	2.79e-04	-1.16e-05	7.82e-05
256	204	10.03	1.69	-0.77	-8.67e-05	5.51e-06	-7.86e-04
256	223	-6.74	-11.21	-4.40	3.48e-04	-1.34e-05	5.11e-04
256	225	-2.45	-12.11	-4.11	3.16e-04	-1.35e-05	8.48e-05
257	1	0.0	0.0	0.0	-2.48e-04	0.0	-1.75e-06
257	65	0.0	0.0	0.0	-1.66e-04	0.0	-1.17e-06
257	97	0.0	0.0	0.0	-1.54e-05	0.0	0.0
257	106	0.0	0.0	0.0	-1.54e-05	0.0	0.0
257	108	0.0	0.0	0.0	-7.89e-04	0.0	-2.86e-06
257	140	0.0	0.0	0.0	-8.85e-04	0.0	-3.22e-06
257	172	0.0	0.0	0.0	-8.75e-04	0.0	-3.19e-06
257	204	0.0	0.0	0.0	-1.02e-03	0.0	-3.74e-06
258	4	2.53e-03	0.16	-0.05	-2.52e-04	0.0	-5.03e-05
258	45	6.19e-04	-0.33	-0.01	4.61e-04	0.0	1.67e-04
258	52	3.24e-03	0.03	-0.05	-4.45e-05	0.0	0.0
258	68	1.75e-03	0.11	-0.04	-1.69e-04	0.0	-3.35e-05
258	85	7.98e-04	-0.22	-0.02	3.01e-04	0.0	1.11e-04
258	92	2.23e-03	0.02	-0.03	-3.08e-05	0.0	0.0
258	98	1.79e-03	0.01	-0.03	-2.46e-05	0.0	0.0
258	103	1.52e-03	0.04	-0.03	-6.92e-05	0.0	-1.13e-05
258	107	1.68e-03	0.01	-0.03	-2.31e-05	0.0	0.0
258	112	0.90	0.43	0.22	-8.14e-04	0.0	-5.99e-05
258	115	-0.90	-0.40	-0.27	7.68e-04	0.0	5.95e-05
258	136	0.52	0.73	0.12	-1.39e-03	0.0	-3.90e-05
258	144	1.02	0.48	0.25	-9.14e-04	0.0	-6.75e-05
258	147	-1.01	-0.45	-0.31	8.68e-04	0.0	6.71e-05
258	168	0.58	0.81	0.14	-1.56e-03	0.0	-4.40e-05
258	176	1.02	0.47	0.26	-9.07e-04	0.0	-6.72e-05
258	179	-1.02	-0.45	-0.31	8.61e-04	0.0	6.68e-05
258	200	0.60	0.81	0.14	-1.55e-03	0.0	-4.48e-05
258	216	1.23	0.58	0.31	-1.10e-03	0.0	-8.51e-05
258	219	-1.23	-0.55	-0.36	1.05e-03	0.0	8.47e-05
258	232	0.72	0.94	0.17	-1.81e-03	0.0	-5.35e-05
259	4	3.13e-03	0.12	-0.13	-2.25e-04	0.0	0.0
259	45	7.48e-04	-0.20	-0.03	3.69e-04	0.0	0.0
259	52	3.80e-03	0.03	-0.12	-4.46e-05	0.0	0.0
259	68	2.17e-03	0.08	-0.09	-1.51e-04	0.0	0.0
259	85	9.65e-04	-0.13	-0.04	2.40e-04	0.0	0.0
259	92	2.62e-03	0.02	-0.09	-3.09e-05	0.0	0.0
259	98	2.12e-03	0.01	-0.07	-2.47e-05	0.0	0.0
259	103	1.84e-03	0.03	-0.07	-6.32e-05	0.0	0.0
259	107	1.99e-03	0.01	-0.07	-2.32e-05	0.0	0.0
259	112	0.90	0.39	-0.11	-7.55e-04	0.0	-5.64e-05
259	136	0.52	0.71	-0.15	-1.37e-03	0.0	-3.44e-05
259	144	1.02	0.44	-0.11	-8.47e-04	0.0	-6.36e-05
259	168	0.58	0.79	-0.16	-1.54e-03	0.0	-3.88e-05
259	176	1.02	0.44	-0.11	-8.40e-04	0.0	-6.33e-05
259	200	0.60	0.79	-0.16	-1.52e-03	0.0	-3.94e-05
259	216	1.23	0.53	-0.12	-1.02e-03	0.0	-8.01e-05
259	232	0.72	0.92	-0.17	-1.78e-03	0.0	-4.71e-05
260	1	0.0	0.0	0.0	-2.08e-04	0.0	0.0
260	65	0.0	0.0	0.0	-1.40e-04	0.0	0.0
260	97	0.0	0.0	0.0	-1.53e-05	0.0	0.0
260	106	0.0	0.0	0.0	-1.53e-05	0.0	0.0
260	108	0.0	0.0	0.0	-7.30e-04	0.0	-2.74e-06
260	140	0.0	0.0	0.0	-8.18e-04	0.0	-3.09e-06
260	172	0.0	0.0	0.0	-8.08e-04	0.0	-3.06e-06
260	204	0.0	0.0	0.0	-9.39e-04	0.0	-3.58e-06
261	4	6.34e-03	0.28	-0.09	-2.07e-04	0.0	-5.78e-05
261	45	1.51e-03	-0.54	-0.02	3.46e-04	0.0	1.93e-04
261	52	7.89e-03	0.05	-0.08	-3.30e-05	0.0	0.0
261	68	4.40e-03	0.19	-0.06	-1.39e-04	0.0	-3.85e-05
261	85	1.96e-03	-0.35	-0.03	2.26e-04	0.0	1.29e-04
261	92	5.43e-03	0.03	-0.06	-2.29e-05	0.0	0.0
261	98	4.38e-03	0.03	-0.05	-1.84e-05	0.0	0.0
261	103	3.75e-03	0.08	-0.05	-5.59e-05	0.0	-1.29e-05
261	107	4.10e-03	0.03	-0.05	-1.73e-05	0.0	0.0
261	112	1.99	0.86	0.41	-8.22e-04	0.0	-1.16e-04
261	115	-1.98	-0.81	-0.50	7.87e-04	0.0	1.16e-04
261	136	1.14	1.46	0.22	-1.41e-03	0.0	-7.15e-05
261	144	2.24	0.96	0.46	-9.23e-04	0.0	-1.31e-04
261	147	-2.23	-0.91	-0.56	8.88e-04	0.0	1.30e-04
261	168	1.28	1.64	0.25	-1.59e-03	0.0	-8.08e-05
261	176	2.26	0.95	0.47	-9.16e-04	0.0	-1.30e-04

261	179	-2.25	-0.90	-0.56	8.81e-04	0.0	1.30e-04
261	200	1.32	1.63	0.26	-1.58e-03	0.0	-8.21e-05
261	216	2.71	1.16	0.57	-1.11e-03	0.0	-1.65e-04
261	219	-2.70	-1.11	-0.66	1.08e-03	0.0	1.64e-04
261	232	1.59	1.90	0.32	-1.84e-03	0.0	-9.82e-05
262	4	7.03e-03	0.23	-0.24	-1.98e-04	0.0	0.0
262	45	1.68e-03	-0.37	-0.05	3.13e-04	0.0	-1.55e-06
262	52	8.54e-03	0.05	-0.22	-3.35e-05	0.0	0.0
262	68	4.88e-03	0.16	-0.17	-1.33e-04	0.0	0.0
262	85	2.17e-03	-0.24	-0.07	2.04e-04	0.0	-1.12e-06
262	92	5.89e-03	0.03	-0.16	-2.33e-05	0.0	0.0
262	98	4.76e-03	0.03	-0.13	-1.86e-05	0.0	0.0
262	103	4.13e-03	0.07	-0.13	-5.40e-05	0.0	0.0
262	107	4.46e-03	0.03	-0.13	-1.76e-05	0.0	0.0
262	112	1.99	0.79	-0.20	-7.67e-04	0.0	-1.14e-04
262	136	1.14	1.43	-0.27	-1.40e-03	0.0	-6.96e-05
262	144	2.24	0.89	-0.21	-8.61e-04	0.0	-1.29e-04
262	168	1.28	1.61	-0.28	-1.57e-03	0.0	-7.86e-05
262	176	2.26	0.88	-0.20	-8.54e-04	0.0	-1.28e-04
262	200	1.32	1.60	-0.28	-1.56e-03	0.0	-7.97e-05
262	216	2.71	1.07	-0.22	-1.03e-03	0.0	-1.62e-04
262	232	1.59	1.86	-0.31	-1.82e-03	0.0	-9.52e-05
263	4	0.01	0.38	-0.12	-1.61e-04	0.0	-5.81e-05
263	45	2.53e-03	-0.69	-0.03	2.56e-04	0.0	1.96e-04
263	52	0.01	0.06	-0.11	-1.46e-05	0.0	0.0
263	68	7.45e-03	0.25	-0.09	-1.08e-04	0.0	-3.87e-05
263	85	3.29e-03	-0.45	-0.04	1.68e-04	0.0	1.31e-04
263	92	9.12e-03	0.04	-0.08	-1.02e-05	0.0	0.0
263	98	7.37e-03	0.04	-0.07	-8.22e-06	0.0	0.0
263	103	6.33e-03	0.10	-0.07	-4.04e-05	0.0	-1.29e-05
263	107	6.89e-03	0.03	-0.07	-7.78e-06	0.0	0.0
263	112	3.22	1.29	0.55	-8.26e-04	0.0	-1.70e-04
263	115	-3.21	-1.23	-0.68	8.10e-04	0.0	1.70e-04
263	136	1.84	2.21	0.30	-1.43e-03	0.0	-1.04e-04
263	144	3.63	1.45	0.63	-9.29e-04	0.0	-1.92e-04
263	147	-3.62	-1.39	-0.76	9.13e-04	0.0	1.92e-04
263	168	2.08	2.48	0.35	-1.61e-03	0.0	-1.17e-04
263	176	3.66	1.44	0.63	-9.22e-04	0.0	-1.91e-04
263	179	-3.65	-1.37	-0.76	9.06e-04	0.0	1.91e-04
263	200	2.14	2.47	0.36	-1.60e-03	0.0	-1.19e-04
263	216	4.39	1.75	0.77	-1.12e-03	0.0	-2.42e-04
263	219	-4.38	-1.68	-0.90	1.11e-03	0.0	2.42e-04
263	232	2.57	2.88	0.44	-1.87e-03	0.0	-1.43e-04
264	4	0.01	0.33	-0.34	-1.61e-04	0.0	0.0
264	45	2.75e-03	-0.51	-0.08	2.52e-04	0.0	-2.32e-06
264	52	0.01	0.06	-0.32	-1.54e-05	0.0	0.0
264	68	7.99e-03	0.22	-0.24	-1.08e-04	0.0	0.0
264	85	3.55e-03	-0.33	-0.10	1.66e-04	0.0	-1.67e-06
264	92	9.65e-03	0.04	-0.23	-1.08e-05	0.0	0.0
264	98	7.81e-03	0.04	-0.19	-8.68e-06	0.0	0.0
264	103	6.76e-03	0.09	-0.19	-4.06e-05	0.0	0.0
264	107	7.31e-03	0.03	-0.18	-8.21e-06	0.0	0.0
264	112	3.22	1.20	-0.28	-7.72e-04	0.0	-1.70e-04
264	136	1.84	2.17	-0.38	-1.41e-03	0.0	-1.04e-04
264	144	3.63	1.34	-0.29	-8.68e-04	0.0	-1.91e-04
264	168	2.08	2.44	-0.40	-1.59e-03	0.0	-1.17e-04
264	176	3.66	1.33	-0.29	-8.60e-04	0.0	-1.91e-04
264	200	2.15	2.42	-0.40	-1.58e-03	0.0	-1.19e-04
264	216	4.39	1.61	-0.31	-1.04e-03	0.0	-2.42e-04
264	232	2.57	2.83	-0.44	-1.84e-03	0.0	-1.42e-04
265	4	0.02	0.45	-0.15	-1.15e-04	0.0	-5.45e-05
265	45	3.66e-03	-0.80	-0.04	1.81e-04	0.0	1.89e-04
265	52	0.02	0.07	-0.14	8.14e-06	0.0	1.01e-06
265	68	0.01	0.30	-0.10	-7.68e-05	0.0	-3.64e-05
265	85	4.77e-03	-0.53	-0.05	1.21e-04	0.0	1.26e-04
265	92	0.01	0.05	-0.10	5.53e-06	0.0	0.0
265	98	0.01	0.04	-0.08	4.29e-06	0.0	0.0
265	103	9.17e-03	0.12	-0.08	-2.35e-05	0.0	-1.19e-05
265	107	9.96e-03	0.03	-0.08	3.96e-06	0.0	0.0
265	112	4.58	1.73	0.66	-8.23e-04	0.0	-2.25e-04
265	115	-4.56	-1.66	-0.82	8.31e-04	0.0	2.25e-04
265	136	2.62	2.97	0.36	-1.44e-03	0.0	-1.37e-04
265	144	5.16	1.94	0.75	-9.27e-04	0.0	-2.53e-04
265	147	-5.14	-1.87	-0.91	9.35e-04	0.0	2.54e-04
265	168	2.96	3.34	0.41	-1.62e-03	0.0	-1.54e-04

265	176	5.20	1.93	0.76	-9.19e-04	0.0	-2.52e-04
265	179	-5.18	-1.86	-0.92	9.27e-04	0.0	2.53e-04
265	200	3.05	3.32	0.42	-1.61e-03	0.0	-1.57e-04
265	216	6.24	2.34	0.92	-1.12e-03	0.0	-3.20e-04
265	219	-6.22	-2.27	-1.08	1.13e-03	0.0	3.21e-04
265	232	3.65	3.87	0.52	-1.89e-03	0.0	-1.88e-04
266	4	0.02	0.40	-0.46	-1.19e-04	0.0	0.0
266	45	3.93e-03	-0.63	-0.12	1.89e-04	0.0	-3.09e-06
266	52	0.02	0.07	-0.44	7.74e-06	0.0	0.0
266	68	0.01	0.27	-0.32	-7.89e-05	0.0	0.0
266	75	7.72e-03	0.41	-0.30	-1.36e-04	0.0	1.29e-06
266	92	0.01	0.05	-0.31	5.28e-06	0.0	0.0
266	98	0.01	0.04	-0.26	4.14e-06	0.0	0.0
266	103	9.65e-03	0.11	-0.25	-2.42e-05	0.0	0.0
266	107	0.01	0.04	-0.25	3.84e-06	0.0	0.0
266	112	4.58	1.60	-0.37	-7.68e-04	0.0	-2.25e-04
266	136	2.62	2.92	-0.50	-1.42e-03	0.0	-1.37e-04
266	144	5.16	1.80	-0.38	-8.66e-04	0.0	-2.54e-04
266	168	2.96	3.28	-0.53	-1.60e-03	0.0	-1.55e-04
266	176	5.20	1.79	-0.38	-8.58e-04	0.0	-2.53e-04
266	200	3.05	3.26	-0.52	-1.59e-03	0.0	-1.57e-04
266	216	6.24	2.16	-0.41	-1.04e-03	0.0	-3.20e-04
266	232	3.65	3.80	-0.57	-1.86e-03	0.0	-1.88e-04
267	4	3.71e-03	0.16	-0.05	-2.52e-04	0.0	5.07e-05
267	45	8.74e-04	-0.33	-0.01	4.62e-04	0.0	-1.68e-04
267	52	4.34e-03	0.03	-0.05	-4.41e-05	0.0	0.0
267	68	2.58e-03	0.11	-0.04	-1.69e-04	0.0	3.38e-05
267	85	1.13e-03	-0.22	-0.02	3.03e-04	0.0	-1.12e-04
267	92	3.00e-03	0.02	-0.03	-3.05e-05	0.0	0.0
267	98	2.44e-03	0.01	-0.03	-2.43e-05	0.0	0.0
267	103	2.15e-03	0.04	-0.03	-6.92e-05	0.0	1.12e-05
267	107	2.29e-03	0.01	-0.03	-2.29e-05	0.0	0.0
267	109	0.90	-0.01	-0.28	2.49e-05	0.0	-5.54e-05
267	112	0.90	0.36	-0.28	-6.99e-04	0.0	-4.28e-05
267	136	0.52	0.70	-0.17	-1.35e-03	0.0	4.04e-06
267	141	1.01	-0.02	-0.31	3.01e-05	0.0	-6.24e-05
267	144	1.02	0.41	-0.31	-7.84e-04	0.0	-4.82e-05
267	168	0.58	0.79	-0.19	-1.51e-03	0.0	4.51e-06
267	173	1.02	-0.01	-0.31	2.46e-05	0.0	-6.22e-05
267	176	1.02	0.40	-0.31	-7.77e-04	0.0	-4.80e-05
267	200	0.60	0.78	-0.19	-1.50e-03	0.0	3.82e-06
267	213	1.23	1.17e-03	-0.37	-3.18e-06	0.0	-7.85e-05
267	216	1.23	0.49	-0.37	-9.36e-04	0.0	-6.18e-05
267	232	0.72	0.91	-0.23	-1.75e-03	0.0	3.97e-06
268	1	0.0	0.0	0.0	-2.48e-04	0.0	1.82e-06
268	65	0.0	0.0	0.0	-1.67e-04	0.0	1.21e-06
268	97	0.0	0.0	0.0	-1.52e-05	0.0	0.0
268	106	0.0	0.0	0.0	-1.52e-05	0.0	0.0
268	108	0.0	0.0	0.0	-6.80e-04	0.0	-2.59e-06
268	140	0.0	0.0	0.0	-7.62e-04	0.0	-2.92e-06
268	172	0.0	0.0	0.0	-7.53e-04	0.0	-2.89e-06
268	204	0.0	0.0	0.0	-8.73e-04	0.0	-3.38e-06
269	4	7.71e-03	0.28	-0.09	-2.07e-04	0.0	5.86e-05
269	45	1.85e-03	-0.54	-0.02	3.47e-04	0.0	-1.97e-04
269	52	9.19e-03	0.05	-0.09	-3.26e-05	0.0	0.0
269	68	5.36e-03	0.19	-0.07	-1.39e-04	0.0	3.91e-05
269	85	2.38e-03	-0.35	-0.03	2.27e-04	0.0	-1.31e-04
269	92	6.34e-03	0.03	-0.06	-2.26e-05	0.0	0.0
269	98	5.14e-03	0.03	-0.05	-1.81e-05	0.0	0.0
269	103	4.49e-03	0.08	-0.05	-5.58e-05	0.0	1.28e-05
269	107	4.82e-03	0.03	-0.05	-1.70e-05	0.0	0.0
269	109	1.98	-0.03	-0.51	3.10e-05	0.0	-1.14e-04
269	112	1.99	0.73	-0.51	-7.08e-04	0.0	-1.13e-04
269	136	1.14	1.41	-0.31	-1.37e-03	0.0	-6.85e-05
269	141	2.23	-0.03	-0.57	3.62e-05	0.0	-1.28e-04
269	144	2.24	0.82	-0.57	-7.95e-04	0.0	-1.27e-04
269	168	1.29	1.59	-0.34	-1.54e-03	0.0	-7.74e-05
269	173	2.25	-0.03	-0.57	3.08e-05	0.0	-1.28e-04
269	176	2.26	0.81	-0.57	-7.88e-04	0.0	-1.26e-04
269	200	1.32	1.57	-0.35	-1.53e-03	0.0	-7.83e-05
269	213	2.70	7.03e-04	-0.68	2.20e-06	0.0	-1.62e-04
269	216	2.71	0.98	-0.67	-9.49e-04	0.0	-1.60e-04
269	232	1.59	1.83	-0.41	-1.78e-03	0.0	-9.33e-05
270	4	0.01	0.38	-0.13	-1.62e-04	0.0	5.94e-05
270	45	2.97e-03	-0.69	-0.03	2.57e-04	0.0	-2.01e-04

270	52	0.01	0.06	-0.12	-1.42e-05	0.0	-1.33e-06
270	68	8.53e-03	0.26	-0.09	-1.08e-04	0.0	3.95e-05
270	85	3.81e-03	-0.45	-0.04	1.70e-04	0.0	-1.34e-04
270	92	0.01	0.04	-0.08	-9.87e-06	0.0	0.0
270	98	8.24e-03	0.03	-0.07	-7.94e-06	0.0	0.0
270	103	7.18e-03	0.10	-0.07	-4.03e-05	0.0	1.27e-05
270	107	7.73e-03	0.03	-0.07	-7.50e-06	0.0	0.0
270	109	3.22	-0.05	-0.70	4.12e-05	0.0	-1.71e-04
270	112	3.22	1.10	-0.69	-7.14e-04	0.0	-1.70e-04
270	136	1.84	2.14	-0.42	-1.39e-03	0.0	-1.03e-04
270	141	3.63	-0.06	-0.78	4.65e-05	0.0	-1.92e-04
270	144	3.63	1.24	-0.77	-8.03e-04	0.0	-1.91e-04
270	168	2.08	2.40	-0.46	-1.56e-03	0.0	-1.17e-04
270	173	3.65	-0.05	-0.78	4.10e-05	0.0	-1.91e-04
270	176	3.66	1.23	-0.78	-7.95e-04	0.0	-1.90e-04
270	200	2.15	2.38	-0.48	-1.55e-03	0.0	-1.18e-04
270	213	4.38	-3.82e-03	-0.92	1.16e-05	0.0	-2.42e-04
270	216	4.39	1.48	-0.92	-9.61e-04	0.0	-2.41e-04
270	232	2.57	2.78	-0.56	-1.81e-03	0.0	-1.41e-04
271	4	0.02	0.45	-0.15	-1.16e-04	0.0	5.63e-05
271	45	4.20e-03	-0.80	-0.04	1.82e-04	0.0	-1.95e-04
271	52	0.02	0.06	-0.15	8.55e-06	0.0	-2.60e-06
271	68	0.01	0.30	-0.11	-7.71e-05	0.0	3.74e-05
271	85	5.37e-03	-0.53	-0.05	1.22e-04	0.0	-1.30e-04
271	92	0.01	0.04	-0.10	5.83e-06	0.0	-1.84e-06
271	98	0.01	0.04	-0.09	4.57e-06	0.0	-1.57e-06
271	103	0.01	0.12	-0.08	-2.34e-05	0.0	1.16e-05
271	107	0.01	0.03	-0.08	4.23e-06	0.0	-1.50e-06
271	109	4.57	-0.07	-0.84	5.36e-05	0.0	-2.27e-04
271	112	4.58	1.48	-0.83	-7.12e-04	0.0	-2.26e-04
271	136	2.62	2.87	-0.50	-1.40e-03	0.0	-1.38e-04
271	141	5.15	-0.08	-0.93	5.90e-05	0.0	-2.55e-04
271	144	5.16	1.66	-0.93	-8.03e-04	0.0	-2.54e-04
271	168	2.96	3.23	-0.56	-1.58e-03	0.0	-1.56e-04
271	173	5.19	-0.07	-0.94	5.35e-05	0.0	-2.55e-04
271	176	5.20	1.65	-0.93	-7.95e-04	0.0	-2.53e-04
271	200	3.05	3.20	-0.57	-1.56e-03	0.0	-1.58e-04
271	213	6.22	-0.01	-1.11	2.34e-05	0.0	-3.23e-04
271	216	6.24	1.98	-1.10	-9.63e-04	0.0	-3.21e-04
271	232	3.65	3.73	-0.67	-1.82e-03	0.0	-1.88e-04
272	4	0.02	0.49	-0.17	-7.23e-05	0.0	-5.06e-05
272	45	4.63e-03	-0.86	-0.05	9.81e-05	0.0	1.75e-04
272	52	0.02	0.06	-0.16	2.57e-05	0.0	0.0
272	68	0.01	0.33	-0.12	-4.77e-05	0.0	-3.37e-05
272	85	6.03e-03	-0.57	-0.06	6.83e-05	0.0	1.17e-04
272	92	0.02	0.04	-0.11	1.76e-05	0.0	0.0
272	98	0.01	0.03	-0.10	1.39e-05	0.0	0.0
272	103	0.01	0.13	-0.09	-8.84e-06	0.0	-1.11e-05
272	107	0.01	0.03	-0.09	1.29e-05	0.0	0.0
272	112	5.76	2.08	0.72	-8.16e-04	0.0	-2.69e-04
272	115	-5.74	-2.03	-0.90	8.42e-04	0.0	2.70e-04
272	136	3.29	3.60	0.38	-1.44e-03	0.0	-1.64e-04
272	144	6.50	2.34	0.82	-9.21e-04	0.0	-3.03e-04
272	147	-6.47	-2.28	-1.00	9.47e-04	0.0	3.04e-04
272	168	3.72	4.04	0.45	-1.62e-03	0.0	-1.85e-04
272	176	6.54	2.33	0.82	-9.13e-04	0.0	-3.02e-04
272	179	-6.52	-2.27	-1.01	9.39e-04	0.0	3.03e-04
272	200	3.83	4.02	0.46	-1.61e-03	0.0	-1.88e-04
272	216	7.85	2.83	1.00	-1.12e-03	0.0	-3.84e-04
272	219	-7.82	-2.77	-1.18	1.14e-03	0.0	3.84e-04
272	232	4.60	4.69	0.57	-1.89e-03	0.0	-2.25e-04
273	4	0.02	0.45	-0.59	-8.49e-05	0.0	1.05e-06
273	45	4.96e-03	-0.71	-0.16	1.51e-04	0.0	-3.72e-06
273	52	0.03	0.06	-0.56	2.87e-05	0.0	0.0
273	68	0.01	0.30	-0.42	-5.60e-05	0.0	0.0
273	75	9.74e-03	0.47	-0.38	-1.09e-04	0.0	1.56e-06
273	92	0.02	0.04	-0.40	1.98e-05	0.0	0.0
273	98	0.01	0.03	-0.33	1.57e-05	0.0	0.0
273	103	0.01	0.12	-0.32	-1.05e-05	0.0	0.0
273	107	0.01	0.03	-0.32	1.47e-05	0.0	0.0
273	112	5.76	1.94	-0.46	-7.61e-04	0.0	-2.70e-04
273	136	3.29	3.54	-0.61	-1.42e-03	0.0	-1.64e-04
273	144	6.50	2.18	-0.48	-8.59e-04	0.0	-3.04e-04
273	168	3.72	3.98	-0.65	-1.60e-03	0.0	-1.86e-04
273	176	6.54	2.16	-0.48	-8.51e-04	0.0	-3.03e-04

273	200	3.83	3.95	-0.64	-1.59e-03	0.0	-1.88e-04
273	216	7.85	2.62	-0.51	-1.04e-03	0.0	-3.84e-04
273	232	4.60	4.61	-0.70	-1.86e-03	0.0	-2.25e-04
274	4	0.02	0.51	-0.21	-3.03e-05	0.0	-4.28e-05
274	45	5.51e-03	-0.89	-0.06	0.0	0.0	1.42e-04
274	52	0.03	0.04	-0.20	3.75e-05	0.0	-1.35e-06
274	68	0.02	0.34	-0.15	-1.95e-05	0.0	-2.86e-05
274	85	7.17e-03	-0.59	-0.07	3.75e-06	0.0	9.41e-05
274	92	0.02	0.03	-0.14	2.57e-05	0.0	-1.01e-06
274	98	0.02	0.02	-0.12	2.02e-05	0.0	0.0
274	103	0.01	0.13	-0.11	3.74e-06	0.0	-1.02e-05
274	107	0.02	0.02	-0.11	1.88e-05	0.0	0.0
274	112	6.98	2.44	0.74	-8.10e-04	0.0	-3.16e-04
274	115	-6.95	-2.39	-0.96	8.47e-04	0.0	3.14e-04
274	136	3.99	4.22	0.39	-1.43e-03	0.0	-1.93e-04
274	144	7.87	2.74	0.84	-9.14e-04	0.0	-3.56e-04
274	147	-7.84	-2.70	-1.07	9.52e-04	0.0	3.54e-04
274	168	4.51	4.75	0.45	-1.61e-03	0.0	-2.18e-04
274	176	7.93	2.72	0.85	-9.07e-04	0.0	-3.54e-04
274	179	-7.90	-2.68	-1.07	9.44e-04	0.0	3.53e-04
274	200	4.64	4.71	0.46	-1.60e-03	0.0	-2.21e-04
274	216	9.51	3.31	1.04	-1.11e-03	0.0	-4.51e-04
274	219	-9.48	-3.27	-1.26	1.15e-03	0.0	4.49e-04
274	232	5.57	5.51	0.58	-1.88e-03	0.0	-2.64e-04
275	4	0.03	0.48	-0.79	-5.88e-05	0.0	1.23e-06
275	45	6.02e-03	-0.77	-0.22	1.15e-04	0.0	-4.35e-06
275	52	0.03	0.04	-0.76	4.36e-05	0.0	-1.12e-06
275	68	0.02	0.32	-0.56	-3.82e-05	0.0	0.0
275	85	7.76e-03	-0.51	-0.26	8.22e-05	0.0	-3.14e-06
275	92	0.02	0.03	-0.53	3.01e-05	0.0	0.0
275	98	0.02	0.02	-0.45	2.39e-05	0.0	0.0
275	103	0.01	0.12	-0.43	0.0	0.0	0.0
275	107	0.02	0.02	-0.43	2.24e-05	0.0	0.0
275	112	6.99	2.26	-0.59	-7.56e-04	0.0	-3.15e-04
275	136	3.99	4.15	-0.76	-1.42e-03	0.0	-1.92e-04
275	144	7.87	2.55	-0.61	-8.54e-04	0.0	-3.55e-04
275	168	4.51	4.67	-0.80	-1.60e-03	0.0	-2.17e-04
275	176	7.93	2.52	-0.60	-8.46e-04	0.0	-3.54e-04
275	200	4.65	4.63	-0.80	-1.59e-03	0.0	-2.20e-04
275	216	9.51	3.06	-0.64	-1.03e-03	0.0	-4.50e-04
275	232	5.57	5.41	-0.86	-1.86e-03	0.0	-2.63e-04
276	4	0.03	0.50	-0.28	-5.03e-06	0.0	8.99e-06
276	18	0.02	0.81	-0.26	-4.37e-05	0.0	1.56e-05
276	52	0.04	0.02	-0.27	4.24e-05	0.0	-1.27e-06
276	68	0.02	0.33	-0.20	-2.55e-06	0.0	5.76e-06
276	75	0.01	0.54	-0.18	-2.84e-05	0.0	1.02e-05
276	92	0.02	0.01	-0.19	2.91e-05	0.0	-1.08e-06
276	98	0.02	0.01	-0.16	2.27e-05	0.0	-1.35e-06
276	103	0.02	0.12	-0.15	1.06e-05	0.0	0.0
276	107	0.02	0.01	-0.15	2.11e-05	0.0	-1.41e-06
276	112	8.23	2.79	0.71	-8.06e-04	0.0	-3.55e-04
276	115	-8.19	-2.76	-1.01	8.48e-04	0.0	3.53e-04
276	136	4.70	4.83	0.35	-1.43e-03	0.0	-2.17e-04
276	144	9.27	3.14	0.82	-9.10e-04	0.0	-4.00e-04
276	147	-9.24	-3.11	-1.12	9.53e-04	0.0	3.98e-04
276	168	5.31	5.44	0.41	-1.61e-03	0.0	-2.45e-04
276	176	9.34	3.11	0.83	-9.03e-04	0.0	-3.99e-04
276	179	-9.31	-3.09	-1.13	9.45e-04	0.0	3.96e-04
276	200	5.47	5.40	0.43	-1.60e-03	0.0	-2.48e-04
276	216	11.20	3.80	1.02	-1.11e-03	0.0	-5.09e-04
276	219	-11.16	-3.77	-1.32	1.15e-03	0.0	5.06e-04
276	232	6.56	6.32	0.54	-1.87e-03	0.0	-2.96e-04
277	4	0.03	0.49	-1.07	-6.88e-04	7.83e-05	-2.57e-06
277	45	7.12e-03	-0.81	-0.31	-1.87e-04	2.96e-05	-2.38e-06
277	52	0.04	0.02	-1.03	-6.40e-04	7.91e-05	-3.77e-06
277	68	0.02	0.33	-0.75	-4.86e-04	5.52e-05	-1.85e-06
277	75	0.01	0.54	-0.68	-4.61e-04	4.86e-05	0.0
277	92	0.02	0.01	-0.72	-4.54e-04	5.57e-05	-2.64e-06
277	98	0.02	8.84e-03	-0.61	-3.92e-04	4.63e-05	-2.19e-06
277	103	0.02	0.12	-0.59	-3.87e-04	4.40e-05	-1.82e-06
277	107	0.02	8.46e-03	-0.58	-3.76e-04	4.42e-05	-2.08e-06
277	112	8.22	2.59	-0.76	-4.33e-04	1.05e-03	-4.14e-04
277	136	4.70	4.77	-0.95	-9.13e-04	6.22e-04	-2.53e-04
277	144	9.27	2.91	-0.78	-4.41e-04	1.18e-03	-4.67e-04
277	168	5.31	5.37	-1.00	-9.80e-04	6.97e-04	-2.86e-04

277	176	9.34	2.89	-0.77	-4.43e-04	1.18e-03	-4.66e-04
277	200	5.47	5.32	-0.99	-9.72e-04	7.13e-04	-2.91e-04
277	216	11.19	3.51	-0.82	-7.02e-04	1.38e-03	-5.99e-04
277	232	6.56	6.22	-1.06	-1.07e-03	8.45e-04	-3.49e-04
278	4	0.02	0.49	-0.18	-7.27e-05	0.0	5.27e-05
278	45	5.28e-03	-0.87	-0.05	9.97e-05	0.0	-1.83e-04
278	52	0.03	0.06	-0.17	2.61e-05	0.0	-2.83e-06
278	68	0.02	0.33	-0.12	-4.80e-05	0.0	3.50e-05
278	85	6.76e-03	-0.57	-0.06	6.95e-05	0.0	-1.22e-04
278	92	0.02	0.04	-0.12	1.79e-05	0.0	-2.00e-06
278	98	0.01	0.03	-0.10	1.42e-05	0.0	-1.69e-06
278	103	0.01	0.13	-0.10	-8.75e-06	0.0	1.07e-05
278	107	0.01	0.03	-0.09	1.32e-05	0.0	-1.62e-06
278	109	5.75	-0.10	-0.92	6.28e-05	0.0	-2.72e-04
278	112	5.76	1.79	-0.91	-7.07e-04	0.0	-2.71e-04
278	136	3.29	3.48	-0.55	-1.40e-03	0.0	-1.65e-04
278	141	6.48	-0.11	-1.02	6.82e-05	0.0	-3.06e-04
278	144	6.50	2.01	-1.02	-7.98e-04	0.0	-3.05e-04
278	168	3.73	3.92	-0.61	-1.58e-03	0.0	-1.86e-04
278	173	6.53	-0.10	-1.03	6.27e-05	0.0	-3.05e-04
278	176	6.55	1.99	-1.02	-7.90e-04	0.0	-3.04e-04
278	200	3.83	3.88	-0.63	-1.56e-03	0.0	-1.89e-04
278	213	7.83	-0.03	-1.22	3.18e-05	0.0	-3.87e-04
278	216	7.85	2.40	-1.21	-9.60e-04	0.0	-3.85e-04
278	232	4.60	4.53	-0.74	-1.83e-03	0.0	-2.26e-04
279	4	0.03	0.51	-0.21	-3.08e-05	0.0	4.53e-05
279	45	6.52e-03	-0.89	-0.06	0.0	0.0	-1.50e-04
279	52	0.03	0.04	-0.20	3.79e-05	0.0	0.0
279	68	0.02	0.34	-0.15	-1.97e-05	0.0	3.01e-05
279	85	8.35e-03	-0.59	-0.07	4.91e-06	0.0	-1.00e-04
279	92	0.02	0.03	-0.14	2.60e-05	0.0	0.0
279	98	0.02	0.02	-0.12	2.05e-05	0.0	0.0
279	103	0.02	0.13	-0.12	3.83e-06	0.0	9.72e-06
279	107	0.02	0.02	-0.12	1.91e-05	0.0	0.0
279	109	6.97	-0.13	-0.98	6.82e-05	0.0	-3.16e-04
279	112	6.99	2.09	-0.98	-7.01e-04	0.0	-3.15e-04
279	136	3.99	4.09	-0.60	-1.39e-03	0.0	-1.92e-04
279	141	7.86	-0.15	-1.09	7.36e-05	0.0	-3.56e-04
279	144	7.87	2.35	-1.08	-7.92e-04	0.0	-3.55e-04
279	168	4.51	4.60	-0.66	-1.57e-03	0.0	-2.16e-04
279	173	7.91	-0.13	-1.10	6.80e-05	0.0	-3.54e-04
279	176	7.93	2.33	-1.09	-7.84e-04	0.0	-3.53e-04
279	200	4.65	4.56	-0.68	-1.55e-03	0.0	-2.20e-04
279	213	9.49	-0.05	-1.29	3.60e-05	0.0	-4.50e-04
279	216	9.51	2.81	-1.29	-9.55e-04	0.0	-4.49e-04
279	232	5.57	5.32	-0.79	-1.82e-03	0.0	-2.63e-04
280	4	0.03	0.50	-0.29	-5.50e-06	0.0	-6.22e-06
280	18	0.02	0.82	-0.26	-4.48e-05	0.0	-9.14e-06
280	52	0.04	0.02	-0.28	4.29e-05	0.0	-1.26e-06
280	68	0.02	0.33	-0.20	-2.83e-06	0.0	-4.09e-06
280	75	0.01	0.55	-0.18	-2.90e-05	0.0	-6.04e-06
280	92	0.03	0.01	-0.19	2.94e-05	0.0	0.0
280	98	0.02	0.01	-0.16	2.30e-05	0.0	0.0
280	103	0.02	0.12	-0.16	1.07e-05	0.0	-1.41e-06
280	107	0.02	0.01	-0.16	2.14e-05	0.0	0.0
280	109	8.21	-0.16	-1.03	7.02e-05	0.0	-3.55e-04
280	112	8.23	2.39	-1.03	-6.98e-04	0.0	-3.55e-04
280	136	4.70	4.69	-0.65	-1.39e-03	0.0	-2.17e-04
280	141	9.25	-0.18	-1.14	7.55e-05	0.0	-4.00e-04
280	144	9.27	2.69	-1.14	-7.88e-04	0.0	-4.00e-04
280	168	5.31	5.27	-0.71	-1.56e-03	0.0	-2.46e-04
280	173	9.32	-0.16	-1.15	6.98e-05	0.0	-3.98e-04
280	176	9.34	2.67	-1.15	-7.81e-04	0.0	-3.98e-04
280	200	5.47	5.23	-0.73	-1.55e-03	0.0	-2.50e-04
280	213	11.17	-0.06	-1.35	3.72e-05	0.0	-5.05e-04
280	216	11.20	3.22	-1.35	-9.52e-04	0.0	-5.05e-04
280	232	6.56	6.10	-0.85	-1.81e-03	0.0	-2.99e-04
281	1	0.0	0.0	0.0	-2.26e-04	0.0	-1.89e-06
281	65	0.0	0.0	0.0	-1.50e-04	0.0	-1.27e-06
281	97	0.0	0.0	0.0	6.57e-06	0.0	0.0
281	106	0.0	0.0	0.0	6.57e-06	0.0	0.0
281	108	0.0	0.0	0.0	-6.85e-05	0.0	-2.82e-06
281	140	0.0	0.0	0.0	-7.75e-05	0.0	-3.16e-06
281	172	0.0	0.0	0.0	-7.49e-05	0.0	-3.14e-06
281	204	0.0	0.0	0.0	-8.58e-05	0.0	-3.66e-06

282	4	3.62e-03	0.13	-0.05	-2.08e-04	0.0	-5.21e-05
282	43	2.70e-03	-0.35	-0.03	4.92e-04	0.0	1.67e-04
282	52	4.13e-03	-4.97e-03	-0.05	6.82e-06	0.0	-1.67e-06
282	68	2.52e-03	0.09	-0.03	-1.38e-04	0.0	-3.48e-05
282	87	1.91e-03	-0.23	-0.02	3.28e-04	0.0	1.11e-04
282	92	2.86e-03	-3.75e-03	-0.03	5.23e-06	0.0	-1.18e-06
282	98	2.34e-03	-3.85e-03	-0.03	5.56e-06	0.0	-1.00e-06
282	105	2.12e-03	-0.05	-0.03	7.02e-05	0.0	2.14e-05
282	107	2.20e-03	-3.82e-03	-0.03	5.56e-06	0.0	0.0
282	112	0.90	0.03	0.22	-5.11e-05	0.0	-5.69e-05
282	115	-0.90	-0.03	-0.28	6.23e-05	0.0	5.50e-05
282	129	0.51	-0.73	0.11	1.39e-03	0.0	-3.42e-05
282	144	1.02	0.03	0.26	-5.75e-05	0.0	-6.40e-05
282	147	-1.01	-0.04	-0.31	6.86e-05	0.0	6.21e-05
282	161	0.58	-0.82	0.13	1.56e-03	0.0	-3.85e-05
282	176	1.02	0.03	0.26	-5.22e-05	0.0	-6.38e-05
282	179	-1.02	-0.04	-0.31	6.34e-05	0.0	6.19e-05
282	193	0.59	-0.81	0.14	1.54e-03	0.0	-3.89e-05
282	216	1.23	0.01	0.32	-1.74e-05	0.0	-8.05e-05
282	219	-1.22	-0.02	-0.37	2.86e-05	0.0	7.86e-05
282	225	0.71	-0.94	0.17	1.80e-03	0.0	-4.62e-05
283	4	4.22e-03	0.09	-0.14	-1.78e-04	0.0	-1.35e-06
283	43	3.09e-03	-0.22	-0.08	4.00e-04	0.0	0.0
283	52	4.69e-03	-6.65e-03	-0.12	8.51e-06	0.0	-1.07e-06
283	68	2.94e-03	0.06	-0.09	-1.18e-04	0.0	0.0
283	87	2.19e-03	-0.15	-0.06	2.68e-04	0.0	0.0
283	92	3.26e-03	-4.95e-03	-0.09	6.42e-06	0.0	0.0
283	98	2.67e-03	-4.88e-03	-0.07	6.55e-06	0.0	0.0
283	105	2.42e-03	-0.03	-0.07	5.87e-05	0.0	0.0
283	107	2.52e-03	-4.82e-03	-0.07	6.51e-06	0.0	0.0
283	112	0.90	-5.71e-03	-0.07	7.50e-06	0.0	-5.72e-05
283	129	0.51	-0.74	7.43e-03	1.41e-03	0.0	-3.46e-05
283	130	-0.50	0.73	-0.15	-1.39e-03	0.0	3.34e-05
283	144	1.02	-6.26e-03	-0.07	8.47e-06	0.0	-6.44e-05
283	161	0.58	-0.83	0.02	1.58e-03	0.0	-3.90e-05
283	162	-0.57	0.82	-0.16	-1.57e-03	0.0	3.79e-05
283	176	1.03	-8.94e-03	-0.07	1.36e-05	0.0	-6.42e-05
283	193	0.59	-0.82	0.02	1.57e-03	0.0	-3.96e-05
283	194	-0.59	0.81	-0.16	-1.56e-03	0.0	3.84e-05
283	216	1.23	-0.04	-0.07	6.62e-05	0.0	-8.11e-05
283	225	0.71	-0.96	0.03	1.83e-03	0.0	-4.72e-05
283	226	-0.71	0.95	-0.17	-1.82e-03	0.0	4.60e-05
284	1	0.0	0.0	0.0	-1.85e-04	0.0	0.0
284	65	0.0	0.0	0.0	-1.22e-04	0.0	0.0
284	97	0.0	0.0	0.0	7.44e-06	0.0	0.0
284	106	0.0	0.0	0.0	7.44e-06	0.0	0.0
284	108	0.0	0.0	0.0	-1.20e-05	0.0	-2.82e-06
284	140	0.0	0.0	0.0	-1.40e-05	0.0	-3.17e-06
284	172	0.0	0.0	0.0	-1.20e-05	0.0	-3.15e-06
284	204	0.0	0.0	0.0	-1.25e-05	0.0	-3.67e-06
285	4	8.79e-03	0.23	-0.09	-1.76e-04	0.0	-6.18e-05
285	41	3.04e-03	-0.57	-0.04	3.66e-04	0.0	1.95e-04
285	52	9.89e-03	-7.65e-03	-0.08	2.80e-06	0.0	-2.87e-06
285	68	6.13e-03	0.16	-0.06	-1.17e-04	0.0	-4.13e-05
285	85	2.30e-03	-0.38	-0.03	2.45e-04	0.0	1.30e-04
285	92	6.86e-03	-5.86e-03	-0.06	2.31e-06	0.0	-2.01e-06
285	98	5.62e-03	-6.19e-03	-0.05	2.82e-06	0.0	-1.68e-06
285	104	3.13e-03	-0.08	-0.03	5.16e-05	0.0	2.50e-05
285	106	3.33e-03	-6.20e-03	-0.03	3.32e-06	0.0	-1.12e-06
285	107	5.29e-03	-6.19e-03	-0.05	2.89e-06	0.0	-1.60e-06
285	112	1.99	0.06	0.41	-5.42e-05	0.0	-1.16e-04
285	115	-1.98	-0.07	-0.51	6.00e-05	0.0	1.13e-04
285	129	1.12	-1.45	0.21	1.39e-03	0.0	-6.98e-05
285	144	2.24	0.06	0.47	-6.06e-05	0.0	-1.30e-04
285	147	-2.23	-0.08	-0.57	6.64e-05	0.0	1.27e-04
285	161	1.27	-1.64	0.24	1.56e-03	0.0	-7.87e-05
285	176	2.26	0.06	0.48	-5.53e-05	0.0	-1.30e-04
285	179	-2.25	-0.07	-0.57	6.11e-05	0.0	1.27e-04
285	193	1.31	-1.62	0.25	1.55e-03	0.0	-7.97e-05
285	216	2.71	0.02	0.58	-2.02e-05	0.0	-1.64e-04
285	219	-2.70	-0.03	-0.68	2.60e-05	0.0	1.61e-04
285	225	1.57	-1.89	0.31	1.81e-03	0.0	-9.50e-05
286	4	9.49e-03	0.18	-0.24	-1.65e-04	0.0	-2.66e-06
286	43	6.95e-03	-0.41	-0.16	3.32e-04	0.0	0.0
286	52	0.01	-0.01	-0.22	3.50e-06	0.0	-2.09e-06

286	68	6.62e-03	0.12	-0.17	-1.09e-04	0.0	-1.85e-06
286	87	4.93e-03	-0.27	-0.11	2.22e-04	0.0	0.0
286	92	7.32e-03	-7.73e-03	-0.16	2.80e-06	0.0	-1.47e-06
286	98	6.00e-03	-7.75e-03	-0.13	3.23e-06	0.0	-1.23e-06
286	105	5.44e-03	-0.06	-0.12	4.70e-05	0.0	0.0
286	107	5.66e-03	-7.68e-03	-0.13	3.28e-06	0.0	-1.17e-06
286	112	1.99	-8.82e-03	-0.13	3.21e-06	0.0	-1.16e-04
286	129	1.12	-1.48	0.02	1.41e-03	0.0	-7.00e-05
286	130	-1.11	1.46	-0.27	-1.41e-03	0.0	6.77e-05
286	144	2.24	-9.85e-03	-0.13	4.05e-06	0.0	-1.30e-04
286	161	1.27	-1.66	0.03	1.59e-03	0.0	-7.90e-05
286	162	-1.26	1.65	-0.28	-1.58e-03	0.0	7.66e-05
286	176	2.26	-0.02	-0.13	9.21e-06	0.0	-1.30e-04
286	193	1.31	-1.65	0.03	1.58e-03	0.0	-8.01e-05
286	194	-1.29	1.63	-0.28	-1.57e-03	0.0	7.77e-05
286	216	2.71	-0.07	-0.13	6.21e-05	0.0	-1.64e-04
286	225	1.57	-1.93	0.06	1.84e-03	0.0	-9.54e-05
286	226	-1.55	1.91	-0.31	-1.83e-03	0.0	9.31e-05
287	4	0.01	0.32	-0.12	-1.49e-04	0.0	-6.35e-05
287	41	5.11e-03	-0.73	-0.05	2.63e-04	0.0	1.99e-04
287	52	0.02	-7.55e-03	-0.12	0.0	0.0	-3.27e-06
287	68	0.01	0.21	-0.09	-9.93e-05	0.0	-4.24e-05
287	85	3.85e-03	-0.49	-0.04	1.76e-04	0.0	1.32e-04
287	92	0.01	-5.94e-03	-0.08	0.0	0.0	-2.30e-06
287	98	9.40e-03	-6.66e-03	-0.07	0.0	0.0	-1.92e-06
287	104	5.24e-03	-0.10	-0.04	3.59e-05	0.0	2.55e-05
287	106	5.59e-03	-7.15e-03	-0.05	1.02e-06	0.0	-1.28e-06
287	107	8.85e-03	-6.73e-03	-0.07	0.0	0.0	-1.83e-06
287	112	3.22	0.09	0.56	-5.69e-05	0.0	-1.72e-04
287	115	-3.21	-0.10	-0.69	5.79e-05	0.0	1.68e-04
287	129	1.82	-2.18	0.28	1.39e-03	0.0	-1.04e-04
287	144	3.63	0.10	0.64	-6.33e-05	0.0	-1.94e-04
287	147	-3.62	-0.11	-0.77	6.44e-05	0.0	1.90e-04
287	161	2.06	-2.46	0.32	1.56e-03	0.0	-1.17e-04
287	176	3.66	0.09	0.65	-5.80e-05	0.0	-1.93e-04
287	179	-3.64	-0.10	-0.78	5.91e-05	0.0	1.89e-04
287	193	2.12	-2.43	0.34	1.55e-03	0.0	-1.19e-04
287	216	4.39	0.04	0.79	-2.27e-05	0.0	-2.44e-04
287	219	-4.37	-0.05	-0.92	2.37e-05	0.0	2.41e-04
287	225	2.54	-2.84	0.42	1.81e-03	0.0	-1.41e-04
288	4	0.02	0.26	-0.35	-1.48e-04	0.0	-3.98e-06
288	41	5.46e-03	-0.56	-0.14	2.58e-04	0.0	0.0
288	52	0.02	-9.74e-03	-0.32	0.0	0.0	-3.13e-06
288	68	0.01	0.17	-0.24	-9.83e-05	0.0	-2.76e-06
288	85	4.11e-03	-0.37	-0.10	1.72e-04	0.0	0.0
288	92	0.01	-7.48e-03	-0.23	0.0	0.0	-2.20e-06
288	98	9.84e-03	-7.94e-03	-0.19	0.0	0.0	-1.83e-06
288	104	5.53e-03	-0.08	-0.12	3.52e-05	0.0	0.0
288	106	5.88e-03	-8.00e-03	-0.13	1.05e-06	0.0	-1.23e-06
288	107	9.28e-03	-7.95e-03	-0.18	0.0	0.0	-1.75e-06
288	112	3.22	-8.75e-03	-0.19	0.0	0.0	-1.72e-04
288	129	1.82	-2.22	0.02	1.41e-03	0.0	-1.04e-04
288	130	-1.80	2.20	-0.38	-1.41e-03	0.0	1.01e-04
288	144	3.63	-0.01	-0.19	0.0	0.0	-1.94e-04
288	161	2.06	-2.50	0.04	1.59e-03	0.0	-1.18e-04
288	162	-2.04	2.48	-0.40	-1.59e-03	0.0	1.14e-04
288	176	3.66	-0.02	-0.19	5.31e-06	0.0	-1.93e-04
288	193	2.12	-2.48	0.04	1.58e-03	0.0	-1.19e-04
288	194	-2.10	2.46	-0.40	-1.57e-03	0.0	1.16e-04
288	216	4.39	-0.10	-0.19	5.84e-05	0.0	-2.44e-04
288	225	2.54	-2.89	0.07	1.84e-03	0.0	-1.42e-04
288	226	-2.52	2.88	-0.44	-1.84e-03	0.0	1.39e-04
289	4	0.02	0.39	-0.15	-1.24e-04	0.0	-6.15e-05
289	41	7.38e-03	-0.84	-0.06	1.75e-04	0.0	1.92e-04
289	52	0.02	-6.50e-03	-0.14	0.0	0.0	-3.24e-06
289	68	0.01	0.26	-0.10	-8.26e-05	0.0	-4.12e-05
289	85	5.57e-03	-0.56	-0.05	1.17e-04	0.0	1.28e-04
289	92	0.02	-5.26e-03	-0.10	0.0	0.0	-2.29e-06
289	98	0.01	-6.21e-03	-0.08	0.0	0.0	-1.94e-06
289	104	7.57e-03	-0.12	-0.05	2.29e-05	0.0	2.45e-05
289	106	8.07e-03	-7.05e-03	-0.06	0.0	0.0	-1.35e-06
289	107	0.01	-6.33e-03	-0.08	0.0	0.0	-1.85e-06
289	112	4.58	0.12	0.67	-5.77e-05	0.0	-2.28e-04
289	115	-4.55	-0.13	-0.83	5.67e-05	0.0	2.24e-04
289	129	2.58	-2.91	0.33	1.39e-03	0.0	-1.37e-04

289	144	5.16	0.13	0.77	-6.41e-05	0.0	-2.56e-04
289	147	-5.14	-0.15	-0.93	6.31e-05	0.0	2.53e-04
289	161	2.92	-3.28	0.39	1.56e-03	0.0	-1.55e-04
289	176	5.20	0.12	0.78	-5.88e-05	0.0	-2.56e-04
289	179	-5.18	-0.13	-0.93	5.78e-05	0.0	2.52e-04
289	193	3.01	-3.25	0.40	1.55e-03	0.0	-1.57e-04
289	216	6.24	0.05	0.95	-2.33e-05	0.0	-3.24e-04
289	219	-6.21	-0.06	-1.11	2.23e-05	0.0	3.20e-04
289	225	3.61	-3.79	0.50	1.81e-03	0.0	-1.87e-04
290	4	0.02	0.34	-0.47	-1.25e-04	0.0	-5.30e-06
290	41	7.80e-03	-0.67	-0.19	1.83e-04	0.0	0.0
290	52	0.02	-7.46e-03	-0.44	0.0	0.0	-4.17e-06
290	68	0.02	0.22	-0.33	-8.36e-05	0.0	-3.68e-06
290	85	5.88e-03	-0.45	-0.14	1.22e-04	0.0	0.0
290	92	0.02	-5.95e-03	-0.31	0.0	0.0	-2.93e-06
290	98	0.01	-6.84e-03	-0.26	0.0	0.0	-2.44e-06
290	104	7.90e-03	-0.10	-0.17	2.43e-05	0.0	-1.24e-06
290	106	8.40e-03	-7.56e-03	-0.17	0.0	0.0	-1.63e-06
290	107	0.01	-6.94e-03	-0.25	0.0	0.0	-2.33e-06
290	112	4.58	-6.92e-03	-0.26	-1.91e-06	0.0	-2.28e-04
290	129	2.59	-2.96	3.73e-05	1.41e-03	0.0	-1.38e-04
290	130	-2.56	2.95	-0.50	-1.41e-03	0.0	1.33e-04
290	144	5.16	-8.70e-03	-0.26	-1.30e-06	0.0	-2.57e-04
290	161	2.92	-3.33	0.03	1.59e-03	0.0	-1.56e-04
290	162	-2.90	3.32	-0.53	-1.59e-03	0.0	1.51e-04
290	176	5.20	-0.02	-0.26	3.88e-06	0.0	-2.56e-04
290	193	3.01	-3.30	0.03	1.57e-03	0.0	-1.58e-04
290	194	-2.98	3.29	-0.52	-1.57e-03	0.0	1.53e-04
290	216	6.24	-0.13	-0.26	5.69e-05	0.0	-3.24e-04
290	225	3.61	-3.86	0.07	1.84e-03	0.0	-1.88e-04
290	226	-3.58	3.84	-0.57	-1.84e-03	0.0	1.84e-04
291	4	4.81e-03	0.13	-0.05	-2.05e-04	0.0	4.94e-05
291	43	3.48e-03	-0.35	-0.04	4.92e-04	0.0	-1.67e-04
291	52	5.24e-03	-6.23e-03	-0.05	8.98e-06	0.0	0.0
291	68	3.35e-03	0.09	-0.04	-1.36e-04	0.0	3.30e-05
291	87	2.47e-03	-0.23	-0.03	3.29e-04	0.0	-1.11e-04
291	92	3.64e-03	-4.64e-03	-0.04	6.75e-06	0.0	0.0
291	98	2.99e-03	-4.58e-03	-0.03	6.82e-06	0.0	0.0
291	105	2.72e-03	-0.05	-0.03	7.12e-05	0.0	-2.24e-05
291	107	2.82e-03	-4.53e-03	-0.03	6.77e-06	0.0	0.0
291	109	0.90	-0.43	-0.28	8.17e-04	0.0	-5.82e-05
291	112	0.90	-0.04	-0.28	6.54e-05	0.0	-5.78e-05
291	129	0.51	-0.75	-0.17	1.43e-03	0.0	-3.60e-05
291	141	1.01	-0.48	-0.31	9.19e-04	0.0	-6.55e-05
291	144	1.02	-0.04	-0.31	7.37e-05	0.0	-6.51e-05
291	161	0.58	-0.84	-0.19	1.61e-03	0.0	-4.07e-05
291	173	1.02	-0.48	-0.31	9.11e-04	0.0	-6.52e-05
291	176	1.02	-0.04	-0.31	7.87e-05	0.0	-6.48e-05
291	193	0.59	-0.84	-0.19	1.60e-03	0.0	-4.13e-05
291	213	1.23	-0.59	-0.37	1.12e-03	0.0	-8.23e-05
291	216	1.23	-0.08	-0.36	1.49e-04	0.0	-8.19e-05
291	225	0.71	-0.98	-0.23	1.87e-03	0.0	-4.94e-05
292	1	0.0	0.0	0.0	-2.24e-04	0.0	1.69e-06
292	65	0.0	0.0	0.0	-1.49e-04	0.0	1.13e-06
292	97	0.0	0.0	0.0	7.42e-06	0.0	0.0
292	106	0.0	0.0	0.0	7.42e-06	0.0	0.0
292	108	0.0	0.0	0.0	4.29e-05	0.0	-2.81e-06
292	140	0.0	0.0	0.0	4.78e-05	0.0	-3.16e-06
292	172	0.0	0.0	0.0	4.92e-05	0.0	-3.14e-06
292	204	0.0	0.0	0.0	5.91e-05	0.0	-3.67e-06
293	4	0.01	0.23	-0.09	-1.73e-04	0.0	5.64e-05
293	43	7.43e-03	-0.57	-0.07	3.66e-04	0.0	-1.94e-04
293	52	0.01	-0.01	-0.09	4.94e-06	0.0	-1.32e-06
293	68	7.10e-03	0.15	-0.07	-1.15e-04	0.0	3.76e-05
293	87	5.27e-03	-0.38	-0.05	2.44e-04	0.0	-1.30e-04
293	92	7.78e-03	-7.62e-03	-0.06	3.81e-06	0.0	0.0
293	98	6.39e-03	-7.66e-03	-0.05	4.08e-06	0.0	0.0
293	105	5.80e-03	-0.08	-0.05	5.21e-05	0.0	-2.65e-05
293	107	6.02e-03	-7.59e-03	-0.05	4.09e-06	0.0	0.0
293	109	1.98	-0.86	-0.50	8.16e-04	0.0	-1.16e-04
293	112	1.99	-0.07	-0.50	6.10e-05	0.0	-1.16e-04
293	129	1.12	-1.50	-0.31	1.43e-03	0.0	-7.04e-05
293	141	2.24	-0.97	-0.56	9.18e-04	0.0	-1.30e-04
293	144	2.24	-0.08	-0.56	6.91e-05	0.0	-1.30e-04
293	161	1.27	-1.69	-0.35	1.61e-03	0.0	-7.94e-05

293	173	2.25	-0.96	-0.56	9.10e-04	0.0	-1.30e-04
293	176	2.26	-0.09	-0.56	7.41e-05	0.0	-1.30e-04
293	193	1.31	-1.68	-0.36	1.60e-03	0.0	-8.06e-05
293	213	2.70	-1.18	-0.67	1.12e-03	0.0	-1.64e-04
293	216	2.71	-0.16	-0.66	1.45e-04	0.0	-1.64e-04
293	225	1.57	-1.96	-0.42	1.87e-03	0.0	-9.62e-05
294	4	0.02	0.31	-0.13	-1.46e-04	0.0	5.55e-05
294	43	0.01	-0.73	-0.09	2.62e-04	0.0	-1.99e-04
294	52	0.02	-0.01	-0.12	1.84e-06	0.0	-2.99e-06
294	68	0.01	0.21	-0.09	-9.74e-05	0.0	3.69e-05
294	87	8.48e-03	-0.49	-0.07	1.75e-04	0.0	-1.32e-04
294	92	0.01	-8.58e-03	-0.09	1.47e-06	0.0	-2.10e-06
294	98	0.01	-8.86e-03	-0.07	1.69e-06	0.0	-1.75e-06
294	105	9.34e-03	-0.10	-0.07	3.64e-05	0.0	-2.78e-05
294	107	9.70e-03	-8.82e-03	-0.07	1.72e-06	0.0	-1.67e-06
294	109	3.22	-1.29	-0.69	8.13e-04	0.0	-1.72e-04
294	112	3.23	-0.10	-0.68	5.68e-05	0.0	-1.73e-04
294	129	1.82	-2.26	-0.43	1.43e-03	0.0	-1.05e-04
294	141	3.63	-1.45	-0.76	9.16e-04	0.0	-1.94e-04
294	144	3.63	-0.12	-0.76	6.47e-05	0.0	-1.94e-04
294	161	2.06	-2.54	-0.48	1.61e-03	0.0	-1.18e-04
294	173	3.65	-1.44	-0.77	9.08e-04	0.0	-1.93e-04
294	176	3.66	-0.13	-0.76	6.97e-05	0.0	-1.94e-04
294	193	2.12	-2.52	-0.49	1.60e-03	0.0	-1.20e-04
294	213	4.38	-1.77	-0.90	1.11e-03	0.0	-2.44e-04
294	216	4.39	-0.24	-0.90	1.40e-04	0.0	-2.45e-04
294	225	2.54	-2.95	-0.57	1.87e-03	0.0	-1.43e-04
295	4	0.02	0.38	-0.16	-1.21e-04	0.0	5.10e-05
295	43	0.02	-0.84	-0.11	1.75e-04	0.0	-1.92e-04
295	52	0.03	-0.01	-0.15	1.53e-06	0.0	-5.10e-06
295	68	0.02	0.25	-0.11	-8.08e-05	0.0	3.38e-05
295	87	0.01	-0.56	-0.08	1.17e-04	0.0	-1.28e-04
295	92	0.02	-8.77e-03	-0.10	1.04e-06	0.0	-3.57e-06
295	98	0.01	-9.14e-03	-0.09	0.0	0.0	-2.95e-06
295	105	0.01	-0.12	-0.08	2.40e-05	0.0	-2.79e-05
295	107	0.01	-9.12e-03	-0.08	0.0	0.0	-2.80e-06
295	109	4.57	-1.72	-0.82	8.10e-04	0.0	-2.28e-04
295	112	4.58	-0.13	-0.81	5.43e-05	0.0	-2.29e-04
295	129	2.59	-3.01	-0.51	1.43e-03	0.0	-1.39e-04
295	141	5.15	-1.93	-0.91	9.12e-04	0.0	-2.57e-04
295	144	5.16	-0.15	-0.91	6.20e-05	0.0	-2.58e-04
295	161	2.92	-3.39	-0.57	1.61e-03	0.0	-1.57e-04
295	173	5.19	-1.92	-0.92	9.04e-04	0.0	-2.56e-04
295	176	5.20	-0.16	-0.91	6.71e-05	0.0	-2.57e-04
295	193	3.01	-3.36	-0.58	1.60e-03	0.0	-1.59e-04
295	213	6.23	-2.35	-1.08	1.11e-03	0.0	-3.23e-04
295	216	6.24	-0.31	-1.08	1.38e-04	0.0	-3.25e-04
295	225	3.61	-3.93	-0.68	1.87e-03	0.0	-1.90e-04
296	4	0.03	0.44	-0.17	-9.63e-05	0.0	-5.91e-05
296	41	9.33e-03	-0.90	-0.07	8.33e-05	0.0	1.80e-04
296	52	0.03	-6.43e-03	-0.16	0.0	0.0	-4.33e-06
296	68	0.02	0.29	-0.12	-6.44e-05	0.0	-3.96e-05
296	85	7.04e-03	-0.60	-0.06	5.53e-05	0.0	1.20e-04
296	92	0.02	-5.15e-03	-0.11	0.0	0.0	-3.06e-06
296	98	0.02	-5.98e-03	-0.10	0.0	0.0	-2.61e-06
296	104	9.57e-03	-0.13	-0.06	9.72e-06	0.0	2.24e-05
296	106	0.01	-6.62e-03	-0.06	-1.68e-06	0.0	-1.84e-06
296	107	0.02	-6.07e-03	-0.09	-1.02e-06	0.0	-2.50e-06
296	112	5.76	0.14	0.73	-5.74e-05	0.0	-2.73e-04
296	115	-5.73	-0.16	-0.92	5.53e-05	0.0	2.68e-04
296	129	3.25	-3.51	0.36	1.38e-03	0.0	-1.65e-04
296	144	6.50	0.16	0.84	-6.37e-05	0.0	-3.08e-04
296	147	-6.47	-0.17	-1.02	6.17e-05	0.0	3.03e-04
296	161	3.68	-3.95	0.42	1.55e-03	0.0	-1.86e-04
296	176	6.55	0.15	0.84	-5.84e-05	0.0	-3.07e-04
296	179	-6.51	-0.16	-1.03	5.63e-05	0.0	3.02e-04
296	193	3.79	-3.92	0.44	1.54e-03	0.0	-1.89e-04
296	216	7.85	0.06	1.03	-2.24e-05	0.0	-3.89e-04
296	219	-7.82	-0.07	-1.22	2.04e-05	0.0	3.84e-04
296	225	4.54	-4.57	0.55	1.80e-03	0.0	-2.25e-04
297	4	0.03	0.39	-0.60	-1.08e-04	0.0	-6.38e-06
297	41	9.84e-03	-0.75	-0.26	1.35e-04	0.0	0.0
297	52	0.03	-7.74e-03	-0.57	3.42e-06	0.0	-5.03e-06
297	68	0.02	0.26	-0.42	-7.18e-05	0.0	-4.44e-06
297	85	7.42e-03	-0.50	-0.19	9.00e-05	0.0	0.0

297	92	0.02	-6.12e-03	-0.40	2.20e-06	0.0	-3.53e-06
297	98	0.02	-6.88e-03	-0.34	1.28e-06	0.0	-2.94e-06
297	104	9.97e-03	-0.11	-0.22	1.79e-05	0.0	-1.49e-06
297	106	0.01	-7.40e-03	-0.22	0.0	0.0	-1.97e-06
297	107	0.02	-6.96e-03	-0.32	1.08e-06	0.0	-2.80e-06
297	112	5.77	-5.98e-03	-0.34	-1.39e-06	0.0	-2.74e-04
297	129	3.25	-3.57	-0.03	1.41e-03	0.0	-1.65e-04
297	130	-3.22	3.56	-0.61	-1.40e-03	0.0	1.60e-04
297	144	6.50	-8.00e-03	-0.34	0.0	0.0	-3.08e-04
297	161	3.68	-4.02	3.51e-03	1.58e-03	0.0	-1.87e-04
297	162	-3.65	4.00	-0.64	-1.58e-03	0.0	1.81e-04
297	176	6.55	-0.02	-0.34	4.32e-06	0.0	-3.07e-04
297	193	3.79	-3.98	-7.29e-05	1.57e-03	0.0	-1.89e-04
297	194	-3.75	3.97	-0.64	-1.57e-03	0.0	1.84e-04
297	216	7.85	-0.16	-0.34	5.73e-05	0.0	-3.89e-04
297	225	4.54	-4.65	0.05	1.83e-03	0.0	-2.26e-04
297	226	-4.51	4.64	-0.69	-1.83e-03	0.0	2.20e-04
298	4	0.03	0.47	-0.21	-6.59e-05	0.0	-5.25e-05
298	41	0.01	-0.92	-0.09	-2.27e-05	0.0	1.46e-04
298	52	0.04	-6.81e-03	-0.20	-1.13e-06	0.0	-7.23e-06
298	68	0.02	0.31	-0.15	-4.44e-05	0.0	-3.53e-05
298	85	8.41e-03	-0.61	-0.07	-1.56e-05	0.0	9.72e-05
298	92	0.03	-5.26e-03	-0.14	-1.21e-06	0.0	-5.11e-06
298	98	0.02	-5.66e-03	-0.12	-2.12e-06	0.0	-4.34e-06
298	104	0.01	-0.13	-0.08	-5.76e-06	0.0	1.70e-05
298	106	0.01	-5.71e-03	-0.08	-3.30e-06	0.0	-3.02e-06
298	107	0.02	-5.67e-03	-0.11	-2.29e-06	0.0	-4.15e-06
298	112	6.99	0.17	0.75	-5.71e-05	0.0	-3.20e-04
298	115	-6.95	-0.18	-0.98	5.26e-05	0.0	3.12e-04
298	129	3.94	-4.11	0.36	1.37e-03	0.0	-1.94e-04
298	144	7.88	0.19	0.86	-6.33e-05	0.0	-3.60e-04
298	147	-7.84	-0.20	-1.09	5.87e-05	0.0	3.52e-04
298	161	4.46	-4.62	0.43	1.54e-03	0.0	-2.19e-04
298	176	7.93	0.17	0.87	-5.78e-05	0.0	-3.59e-04
298	179	-7.90	-0.19	-1.09	5.32e-05	0.0	3.51e-04
298	193	4.59	-4.58	0.45	1.53e-03	0.0	-2.22e-04
298	216	9.51	0.07	1.07	-2.10e-05	0.0	-4.55e-04
298	219	-9.47	-0.08	-1.29	1.65e-05	0.0	4.47e-04
298	225	5.50	-5.35	0.56	1.78e-03	0.0	-2.65e-04
299	4	0.03	0.43	-0.80	-9.50e-05	0.0	-7.46e-06
299	43	0.02	-0.80	-0.58	9.53e-05	0.0	0.0
299	52	0.04	-0.01	-0.77	3.65e-06	0.0	-5.87e-06
299	68	0.02	0.29	-0.56	-6.36e-05	0.0	-5.19e-06
299	87	0.02	-0.54	-0.42	6.33e-05	0.0	0.0
299	92	0.03	-9.73e-03	-0.54	2.20e-06	0.0	-4.13e-06
299	98	0.02	-9.51e-03	-0.45	0.0	0.0	-3.44e-06
299	105	0.02	-0.11	-0.42	1.30e-05	0.0	-2.72e-06
299	107	0.02	-9.35e-03	-0.43	0.0	0.0	-3.28e-06
299	112	6.99	-7.15e-03	-0.45	-2.53e-06	0.0	-3.20e-04
299	129	3.94	-4.18	-0.10	1.40e-03	0.0	-1.93e-04
299	130	-3.90	4.16	-0.76	-1.40e-03	0.0	1.87e-04
299	144	7.88	-9.38e-03	-0.45	-2.08e-06	0.0	-3.60e-04
299	161	4.46	-4.70	-0.06	1.58e-03	0.0	-2.18e-04
299	162	-4.42	4.68	-0.80	-1.58e-03	0.0	2.12e-04
299	176	7.94	-0.02	-0.45	3.09e-06	0.0	-3.59e-04
299	193	4.59	-4.67	-0.06	1.57e-03	0.0	-2.21e-04
299	194	-4.55	4.65	-0.80	-1.56e-03	0.0	2.15e-04
299	216	9.51	-0.18	-0.45	5.59e-05	0.0	-4.55e-04
299	225	5.50	-5.45	-2.94e-03	1.83e-03	0.0	-2.64e-04
299	226	-5.46	5.43	-0.86	-1.83e-03	0.0	2.57e-04
300	4	0.04	0.48	-0.28	-4.69e-05	0.0	-5.08e-06
300	43	0.03	-0.82	-0.21	-9.24e-05	0.0	-3.11e-05
300	52	0.04	-4.74e-03	-0.27	-3.10e-06	0.0	-1.15e-05
300	68	0.03	0.32	-0.20	-3.19e-05	0.0	-3.96e-06
300	87	0.02	-0.55	-0.15	-6.22e-05	0.0	-2.13e-05
300	92	0.03	-3.53e-03	-0.19	-2.72e-06	0.0	-8.25e-06
300	98	0.03	-3.49e-03	-0.16	-3.70e-06	0.0	-7.28e-06
300	105	0.02	-0.11	-0.15	-1.56e-05	0.0	-9.83e-06
300	107	0.02	-3.42e-03	-0.15	-3.88e-06	0.0	-7.03e-06
300	112	8.23	0.20	0.73	-5.78e-05	0.0	-3.62e-04
300	115	-8.18	-0.20	-1.03	5.00e-05	0.0	3.48e-04
300	129	4.64	-4.70	0.33	1.36e-03	0.0	-2.23e-04
300	144	9.27	0.22	0.84	-6.38e-05	0.0	-4.07e-04
300	147	-9.23	-0.23	-1.14	5.60e-05	0.0	3.93e-04
300	161	5.25	-5.28	0.40	1.53e-03	0.0	-2.51e-04

300	176	9.35	0.20	0.84	-5.83e-05	0.0	-4.05e-04
300	179	-9.30	-0.21	-1.15	5.06e-05	0.0	3.91e-04
300	193	5.40	-5.24	0.41	1.52e-03	0.0	-2.55e-04
300	216	11.20	0.08	1.04	-2.10e-05	0.0	-5.12e-04
300	219	-11.15	-0.09	-1.35	1.33e-05	0.0	4.98e-04
300	225	6.48	-6.11	0.53	1.77e-03	0.0	-3.03e-04
301	4	0.04	0.47	-1.08	-6.68e-04	6.67e-05	-9.91e-06
301	44	0.03	-0.83	-0.84	-4.69e-04	5.84e-05	-6.40e-06
301	52	0.04	-0.01	-1.04	-6.18e-04	6.73e-05	-9.59e-06
301	68	0.03	0.31	-0.76	-4.72e-04	4.69e-05	-6.97e-06
301	88	0.02	-0.55	-0.60	-3.39e-04	4.13e-05	-4.63e-06
301	92	0.03	-8.93e-03	-0.73	-4.39e-04	4.73e-05	-6.76e-06
301	98	0.03	-8.16e-03	-0.61	-3.79e-04	3.90e-05	-5.69e-06
301	105	0.02	-0.12	-0.57	-3.53e-04	3.70e-05	-5.16e-06
301	107	0.02	-7.93e-03	-0.58	-3.64e-04	3.71e-05	-5.43e-06
301	112	8.23	-4.04e-03	-0.61	-4.09e-04	1.04e-03	-4.17e-04
301	129	4.64	-4.78	-0.21	1.82e-04	6.02e-04	-2.53e-04
301	130	-4.59	4.77	-0.95	-9.10e-04	-5.28e-04	2.42e-04
301	144	9.27	-6.43e-03	-0.61	-4.15e-04	1.16e-03	-4.69e-04
301	161	5.25	-5.39	-0.17	2.50e-04	6.76e-04	-2.86e-04
301	162	-5.20	5.37	-1.00	-9.78e-04	-6.02e-04	2.75e-04
301	176	9.34	-0.02	-0.61	-4.16e-04	1.17e-03	-4.69e-04
301	193	5.40	-5.34	-0.17	2.42e-04	6.92e-04	-2.91e-04
301	194	-5.35	5.33	-0.99	-9.70e-04	-6.18e-04	2.80e-04
301	216	11.20	-0.20	-0.61	-4.11e-04	1.37e-03	-6.00e-04
301	225	6.48	-6.24	-0.10	3.42e-04	8.21e-04	-3.48e-04
301	226	-6.43	6.22	-1.06	-1.07e-03	-7.47e-04	3.37e-04
302	4	0.03	0.43	-0.18	-9.36e-05	0.0	4.64e-05
302	43	0.02	-0.90	-0.13	8.48e-05	0.0	-1.80e-04
302	52	0.03	-0.01	-0.17	1.98e-06	0.0	-5.72e-06
302	68	0.02	0.29	-0.13	-6.25e-05	0.0	3.07e-05
302	87	0.02	-0.60	-0.09	5.63e-05	0.0	-1.20e-04
302	92	0.02	-9.39e-03	-0.12	1.16e-06	0.0	-4.00e-06
302	98	0.02	-9.51e-03	-0.10	0.0	0.0	-3.28e-06
302	105	0.02	-0.13	-0.09	1.14e-05	0.0	-2.64e-05
302	107	0.02	-9.43e-03	-0.10	0.0	0.0	-3.11e-06
302	109	5.75	-2.07	-0.90	8.05e-04	0.0	-2.73e-04
302	112	5.77	-0.16	-0.89	5.33e-05	0.0	-2.74e-04
302	129	3.25	-3.63	-0.57	1.42e-03	0.0	-1.66e-04
302	141	6.48	-2.33	-1.00	9.06e-04	0.0	-3.07e-04
302	144	6.50	-0.18	-1.00	6.09e-05	0.0	-3.09e-04
302	161	3.68	-4.09	-0.63	1.60e-03	0.0	-1.87e-04
302	173	6.53	-2.31	-1.01	8.99e-04	0.0	-3.06e-04
302	176	6.55	-0.19	-1.00	6.61e-05	0.0	-3.08e-04
302	193	3.79	-4.06	-0.64	1.59e-03	0.0	-1.90e-04
302	213	7.83	-2.83	-1.19	1.11e-03	0.0	-3.87e-04
302	216	7.85	-0.37	-1.18	1.37e-04	0.0	-3.90e-04
302	225	4.54	-4.74	-0.75	1.86e-03	0.0	-2.26e-04
303	4	0.04	0.46	-0.22	-6.32e-05	0.0	3.76e-05
303	43	0.03	-0.92	-0.16	-2.07e-05	0.0	-1.46e-04
303	52	0.04	-0.01	-0.21	1.04e-06	0.0	-4.52e-06
303	68	0.03	0.31	-0.15	-4.25e-05	0.0	2.49e-05
303	87	0.02	-0.61	-0.11	-1.42e-05	0.0	-9.72e-05
303	92	0.03	-0.01	-0.15	0.0	0.0	-3.15e-06
303	98	0.02	-9.80e-03	-0.12	0.0	0.0	-2.54e-06
303	105	0.02	-0.13	-0.11	-3.74e-06	0.0	-2.13e-05
303	107	0.02	-9.61e-03	-0.12	-1.08e-06	0.0	-2.40e-06
303	109	6.97	-2.42	-0.96	7.99e-04	0.0	-3.18e-04
303	112	6.99	-0.18	-0.96	5.28e-05	0.0	-3.20e-04
303	129	3.94	-4.24	-0.61	1.41e-03	0.0	-1.93e-04
303	141	7.86	-2.72	-1.07	9.00e-04	0.0	-3.58e-04
303	144	7.88	-0.21	-1.06	6.05e-05	0.0	-3.60e-04
303	161	4.46	-4.78	-0.67	1.59e-03	0.0	-2.17e-04
303	173	7.92	-2.70	-1.08	8.93e-04	0.0	-3.57e-04
303	176	7.94	-0.22	-1.07	6.58e-05	0.0	-3.59e-04
303	193	4.59	-4.74	-0.69	1.58e-03	0.0	-2.21e-04
303	213	9.49	-3.31	-1.27	1.10e-03	0.0	-4.53e-04
303	216	9.51	-0.43	-1.26	1.38e-04	0.0	-4.56e-04
303	225	5.50	-5.54	-0.80	1.84e-03	0.0	-2.63e-04
304	4	0.04	0.47	-0.29	-4.41e-05	0.0	-1.18e-05
304	44	0.03	-0.82	-0.23	-9.13e-05	0.0	2.92e-05
304	52	0.05	-0.01	-0.28	0.0	0.0	-1.75e-06
304	68	0.03	0.31	-0.20	-3.00e-05	0.0	-7.74e-06
304	88	0.02	-0.55	-0.16	-6.14e-05	0.0	1.96e-05
304	92	0.03	-9.24e-03	-0.20	-1.17e-06	0.0	-1.07e-06

304	98	0.03	-8.24e-03	-0.17	-2.41e-06	0.0	0.0
304	105	0.02	-0.12	-0.16	-1.46e-05	0.0	3.69e-06
304	107	0.02	-7.95e-03	-0.16	-2.64e-06	0.0	0.0
304	109	8.21	-2.76	-1.02	7.95e-04	0.0	-3.56e-04
304	112	8.23	-0.21	-1.01	5.20e-05	0.0	-3.59e-04
304	129	4.64	-4.85	-0.65	1.40e-03	0.0	-2.15e-04
304	141	9.26	-3.11	-1.13	8.96e-04	0.0	-4.01e-04
304	144	9.28	-0.23	-1.12	5.98e-05	0.0	-4.04e-04
304	161	5.25	-5.46	-0.72	1.58e-03	0.0	-2.43e-04
304	173	9.33	-3.08	-1.13	8.89e-04	0.0	-3.99e-04
304	176	9.35	-0.25	-1.13	6.51e-05	0.0	-4.03e-04
304	193	5.40	-5.42	-0.73	1.57e-03	0.0	-2.46e-04
304	213	11.18	-3.79	-1.32	1.10e-03	0.0	-5.09e-04
304	216	11.20	-0.49	-1.32	1.38e-04	0.0	-5.14e-04
304	225	6.48	-6.34	-0.84	1.83e-03	0.0	-2.94e-04
305	4	0.04	0.86	-3.10	-7.78e-04	0.0	1.34e-04
305	44	0.02	-2.25	-2.35	2.64e-03	0.0	-5.66e-04
305	52	0.04	-0.06	-2.92	4.42e-05	0.0	-2.69e-05
305	68	0.03	0.57	-2.21	-5.17e-04	0.0	8.88e-05
305	88	0.01	-1.50	-1.71	1.76e-03	0.0	-3.78e-04
305	92	0.03	-0.04	-2.09	3.14e-05	0.0	-1.89e-05
305	98	0.02	-0.04	-1.82	2.63e-05	0.0	-1.56e-05
305	105	0.02	-0.33	-1.72	3.72e-04	0.0	-8.72e-05
305	107	0.02	-0.03	-1.76	2.53e-05	0.0	-1.48e-05
305	112	9.04	-1.06	-2.61	-6.42e-04	0.0	-4.52e-04
305	124	-0.26	4.31	-3.68	-1.28e-03	0.0	1.00e-05
305	129	5.11	-5.83	-0.06	1.33e-03	0.0	-2.79e-04
305	144	10.19	-1.20	-2.71	-7.25e-04	0.0	-5.08e-04
305	156	-0.30	4.85	-3.92	-1.45e-03	0.0	1.37e-05
305	161	5.78	-6.57	0.15	1.50e-03	0.0	-3.14e-04
305	176	10.27	-1.21	-2.67	-7.00e-04	0.0	-5.07e-04
305	188	-0.35	4.81	-3.89	-1.43e-03	0.0	1.57e-05
305	193	5.95	-6.54	0.14	1.48e-03	0.0	-3.19e-04
305	216	12.38	-1.73	-2.71	1.49e-04	0.0	-6.41e-04
305	220	-0.45	5.62	-4.23	-1.67e-03	0.0	2.35e-05
305	225	7.14	-7.66	0.45	1.72e-03	0.0	-3.79e-04
306	4	0.07	0.44	-3.10	-6.44e-04	-6.95e-05	-2.15e-05
306	44	0.05	-0.84	-2.35	-4.06e-04	-6.80e-05	2.42e-05
306	52	0.07	-0.04	-2.92	-5.76e-04	-7.51e-05	-1.02e-05
306	68	0.05	0.29	-2.21	-4.58e-04	-4.50e-05	-1.47e-05
306	88	0.03	-0.56	-1.71	-2.99e-04	-4.40e-05	1.58e-05
306	92	0.05	-0.03	-2.09	-4.12e-04	-4.88e-05	-7.13e-06
306	98	0.04	-0.02	-1.82	-3.59e-04	-3.31e-05	-5.88e-06
306	105	0.04	-0.13	-1.72	-3.32e-04	-3.07e-05	-1.17e-06
306	107	0.04	-0.02	-1.76	-3.47e-04	-2.95e-05	-5.57e-06
306	112	8.92	-1.02	-2.61	-7.17e-04	-1.92e-04	-3.66e-04
306	124	-0.24	3.75	-3.68	-1.12e-03	0.0	1.46e-05
306	129	5.05	-5.14	-0.06	4.31e-04	-1.71e-04	-2.22e-04
306	144	10.05	-1.15	-2.71	-7.63e-04	-2.12e-04	-4.12e-04
306	156	-0.28	4.22	-3.92	-1.22e-03	3.93e-06	1.74e-05
306	161	5.71	-5.79	0.15	5.28e-04	-1.89e-04	-2.50e-04
306	176	10.13	-1.17	-2.67	-7.46e-04	-2.11e-04	-4.12e-04
306	188	-0.33	4.19	-3.89	-1.21e-03	5.67e-06	1.77e-05
306	193	5.88	-5.77	0.14	5.16e-04	-1.92e-04	-2.53e-04
306	216	12.22	-1.67	-2.71	-3.26e-04	-2.67e-04	-5.24e-04
306	220	-0.43	4.89	-4.23	-1.35e-03	1.32e-05	2.30e-05
306	225	7.05	-6.76	0.45	6.59e-04	-2.24e-04	-3.01e-04
307	18	4.87e-03	0.09	-0.11	0.0	9.28e-06	0.0
307	44	4.79e-03	-0.13	-0.04	0.0	9.10e-06	0.0
307	52	6.96e-03	-0.02	-0.08	0.0	1.32e-05	-1.14e-06
307	75	3.44e-03	0.06	-0.07	0.0	6.55e-06	0.0
307	88	3.39e-03	-0.09	-0.03	0.0	6.43e-06	0.0
307	92	4.83e-03	-0.02	-0.06	0.0	9.18e-06	0.0
307	98	3.96e-03	-0.01	-0.05	0.0	7.53e-06	0.0
307	103	3.59e-03	1.56e-03	-0.05	0.0	6.83e-06	0.0
307	105	3.58e-03	-0.03	-0.04	0.0	6.81e-06	0.0
307	107	3.73e-03	-0.01	-0.05	0.0	7.10e-06	0.0
307	112	1.31	-0.40	0.03	0.0	2.48e-03	-6.46e-05
307	129	0.74	-0.86	0.18	0.0	1.41e-03	-4.10e-05
307	130	-0.74	0.83	-0.27	0.0	-1.40e-03	3.97e-05
307	144	1.48	-0.44	0.03	0.0	2.80e-03	-7.28e-05
307	161	0.84	-0.96	0.20	0.0	1.59e-03	-4.62e-05
307	162	-0.83	0.94	-0.30	0.0	-1.58e-03	4.50e-05
307	184	1.49	-0.49	0.04	0.0	2.82e-03	-8.18e-05
307	193	0.87	-0.97	0.20	0.0	1.64e-03	-4.71e-05

307	194	-0.86	0.94	-0.30	0.0	-1.63e-03	4.59e-05
307	216	1.80	-0.59	0.07	0.0	3.40e-03	-9.85e-05
307	225	1.04	-1.14	0.25	0.0	1.97e-03	-5.63e-05
307	226	-1.03	1.11	-0.34	0.0	-1.95e-03	5.51e-05
308	1	0.0	0.0	0.0	0.0	4.97e-06	0.0
308	65	0.0	0.0	0.0	0.0	3.68e-06	0.0
308	97	0.0	0.0	0.0	0.0	4.48e-06	0.0
308	106	0.0	0.0	0.0	0.0	4.48e-06	0.0
308	108	0.0	0.0	0.0	0.0	2.03e-03	-3.15e-06
308	140	0.0	0.0	0.0	0.0	2.29e-03	-3.54e-06
308	172	0.0	0.0	0.0	0.0	2.30e-03	-3.53e-06
308	204	0.0	0.0	0.0	0.0	2.70e-03	-4.12e-06
309	4	0.04	0.78	-3.13	-6.17e-04	0.0	1.46e-04
309	44	0.02	-1.91	-2.37	2.02e-03	0.0	-6.05e-04
309	52	0.05	-0.04	-2.95	2.53e-05	0.0	-2.72e-05
309	68	0.03	0.52	-2.22	-4.10e-04	0.0	9.64e-05
309	88	0.02	-1.28	-1.72	1.35e-03	0.0	-4.05e-04
309	92	0.03	-0.03	-2.11	1.81e-05	0.0	-1.90e-05
309	98	0.03	-0.03	-1.83	1.53e-05	0.0	-1.58e-05
309	105	0.02	-0.28	-1.73	2.81e-04	0.0	-9.25e-05
309	107	0.02	-0.03	-1.76	1.48e-05	0.0	-1.50e-05
309	112	9.05	-0.82	-2.61	-5.76e-04	0.0	-4.59e-04
309	124	-0.25	4.36	-3.66	-1.23e-03	0.0	1.37e-05
309	129	5.12	-5.72	-0.09	1.08e-03	0.0	-2.87e-04
309	144	10.20	-0.92	-2.71	-6.49e-04	0.0	-5.16e-04
309	156	-0.30	4.91	-3.89	-1.39e-03	0.0	1.79e-05
309	161	5.79	-6.44	0.12	1.21e-03	0.0	-3.23e-04
309	176	10.27	-0.93	-2.68	-6.25e-04	0.0	-5.14e-04
309	188	-0.35	4.86	-3.86	-1.37e-03	0.0	2.04e-05
309	193	5.96	-6.41	0.10	1.20e-03	0.0	-3.28e-04
309	216	12.39	-1.38	-2.67	-7.26e-04	0.0	-6.49e-04
309	220	-0.45	5.67	-4.19	-1.60e-03	0.0	2.93e-05
309	225	7.14	-7.50	0.41	1.40e-03	0.0	-3.90e-04
310	18	9.82e-03	0.19	-0.21	0.0	9.49e-06	-1.93e-06
310	44	9.63e-03	-0.26	-0.09	0.0	9.23e-06	-1.70e-06
310	52	0.01	-0.04	-0.17	0.0	1.34e-05	-2.29e-06
310	75	6.93e-03	0.12	-0.14	0.0	6.70e-06	-1.37e-06
310	88	6.81e-03	-0.17	-0.06	0.0	6.53e-06	-1.22e-06
310	92	9.71e-03	-0.03	-0.12	0.0	9.32e-06	-1.61e-06
310	98	7.97e-03	-0.03	-0.10	0.0	7.65e-06	-1.35e-06
310	103	7.23e-03	5.92e-03	-0.10	0.0	6.95e-06	-1.28e-06
310	105	7.20e-03	-0.05	-0.09	0.0	6.92e-06	-1.25e-06
310	107	7.51e-03	-0.02	-0.09	0.0	7.22e-06	-1.29e-06
310	112	2.61	-0.80	0.03	0.0	2.46e-03	-1.31e-04
310	129	1.48	-1.74	0.31	0.0	1.40e-03	-8.27e-05
310	130	-1.47	1.69	-0.50	0.0	-1.38e-03	8.02e-05
310	144	2.94	-0.90	0.04	0.0	2.77e-03	-1.48e-04
310	161	1.68	-1.96	0.36	0.0	1.58e-03	-9.34e-05
310	162	-1.66	1.91	-0.55	0.0	-1.56e-03	9.08e-05
310	176	2.97	-0.90	0.04	0.0	2.80e-03	-1.47e-04
310	193	1.73	-1.96	0.36	0.0	1.62e-03	-9.52e-05
310	194	-1.71	1.91	-0.54	0.0	-1.61e-03	9.26e-05
310	216	3.58	-1.20	0.10	0.0	3.37e-03	-1.99e-04
310	225	2.07	-2.31	0.43	0.0	1.95e-03	-1.14e-04
310	226	-2.06	2.26	-0.62	0.0	-1.93e-03	1.11e-04
311	4	0.07	0.45	-3.13	-6.66e-04	-2.83e-05	-1.32e-05
311	44	0.04	-0.85	-2.37	-4.27e-04	-2.56e-05	-3.15e-06
311	52	0.07	-0.03	-2.96	-5.98e-04	-3.33e-05	-1.01e-05
311	68	0.05	0.30	-2.22	-4.74e-04	-1.36e-05	-9.11e-06
311	88	0.03	-0.57	-1.72	-3.14e-04	-1.18e-05	-2.42e-06
311	92	0.05	-0.02	-2.11	-4.28e-04	-1.69e-05	-7.07e-06
311	98	0.04	-0.02	-1.83	-3.73e-04	-2.24e-06	-5.82e-06
311	105	0.03	-0.13	-1.73	-3.45e-04	0.0	-4.77e-06
311	107	0.04	-0.02	-1.76	-3.61e-04	1.32e-06	-5.52e-06
311	112	8.92	-0.82	-2.61	-7.18e-04	-1.45e-04	-3.70e-04
311	124	-0.24	3.80	-3.66	-1.13e-03	3.10e-05	1.39e-05
311	129	5.05	-5.07	-0.09	4.07e-04	-1.30e-04	-2.23e-04
311	144	10.05	-0.92	-2.71	-7.62e-04	-1.64e-04	-4.16e-04
311	156	-0.28	4.28	-3.89	-1.22e-03	3.50e-05	1.66e-05
311	161	5.71	-5.71	0.12	5.02e-04	-1.47e-04	-2.52e-04
311	176	10.13	-0.94	-2.68	-7.47e-04	-1.62e-04	-4.15e-04
311	188	-0.33	4.24	-3.86	-1.21e-03	3.65e-05	1.74e-05
311	193	5.88	-5.69	0.10	4.91e-04	-1.49e-04	-2.55e-04
311	216	12.22	-1.38	-2.67	-3.56e-04	-2.14e-04	-5.28e-04
311	220	-0.43	4.95	-4.19	-1.35e-03	4.38e-05	2.28e-05

311	225	7.05	-6.66	0.41	6.31e-04	-1.79e-04	-3.04e-04
312	4	0.02	0.14	-0.31	0.0	1.26e-05	-3.48e-06
312	44	0.01	-0.39	-0.15	0.0	9.45e-06	-2.60e-06
312	52	0.02	-0.06	-0.26	0.0	1.37e-05	-3.54e-06
312	68	0.01	0.09	-0.21	0.0	8.79e-06	-2.45e-06
312	88	0.01	-0.26	-0.11	0.0	6.69e-06	-1.86e-06
312	92	0.01	-0.04	-0.18	0.0	9.55e-06	-2.49e-06
312	98	0.01	-0.04	-0.16	0.0	7.85e-06	-2.09e-06
312	103	0.01	0.01	-0.16	0.0	7.16e-06	-1.98e-06
312	105	0.01	-0.08	-0.14	0.0	7.10e-06	-1.92e-06
312	107	0.01	-0.03	-0.15	0.0	7.41e-06	-1.99e-06
312	112	3.90	-1.21	9.23e-03	0.0	2.43e-03	-1.96e-04
312	129	2.21	-2.63	0.40	0.0	1.38e-03	-1.23e-04
312	130	-2.19	2.56	-0.69	0.0	-1.36e-03	1.19e-04
312	144	4.40	-1.36	0.03	0.0	2.74e-03	-2.20e-04
312	161	2.50	-2.96	0.46	0.0	1.56e-03	-1.39e-04
312	162	-2.48	2.89	-0.76	0.0	-1.54e-03	1.35e-04
312	176	4.43	-1.36	0.03	0.0	2.76e-03	-2.20e-04
312	193	2.58	-2.97	0.46	0.0	1.60e-03	-1.41e-04
312	194	-2.55	2.90	-0.76	0.0	-1.59e-03	1.37e-04
312	216	5.34	-1.82	0.10	0.0	3.32e-03	-2.95e-04
312	225	3.09	-3.49	0.57	0.0	1.92e-03	-1.69e-04
312	226	-3.07	3.43	-0.87	0.0	-1.90e-03	1.65e-04
313	4	0.05	0.68	-3.13	-4.26e-04	0.0	1.65e-04
313	44	0.02	-1.53	-2.37	1.30e-03	0.0	-6.73e-04
313	52	0.05	-0.03	-2.96	6.51e-06	0.0	-2.83e-05
313	68	0.03	0.45	-2.22	-2.83e-04	0.0	1.09e-04
313	88	0.02	-1.02	-1.72	8.71e-04	0.0	-4.50e-04
313	92	0.03	-0.02	-2.11	4.93e-06	0.0	-1.98e-05
313	98	0.03	-0.02	-1.82	4.37e-06	0.0	-1.64e-05
313	105	0.02	-0.22	-1.72	1.77e-04	0.0	-1.02e-04
313	107	0.03	-0.02	-1.75	4.39e-06	0.0	-1.56e-05
313	112	9.05	-0.57	-2.62	-5.06e-04	0.0	-4.73e-04
313	124	-0.25	4.39	-3.62	-1.16e-03	0.0	1.98e-05
313	129	5.12	-5.60	-0.11	1.03e-03	0.0	-3.02e-04
313	144	10.20	-0.64	-2.73	-5.69e-04	0.0	-5.31e-04
313	156	-0.30	4.95	-3.86	-1.31e-03	0.0	2.49e-05
313	161	5.79	-6.30	0.09	1.15e-03	0.0	-3.39e-04
313	176	10.27	-0.65	-2.70	-5.45e-04	0.0	-5.30e-04
313	188	-0.34	4.90	-3.82	-1.29e-03	0.0	2.79e-05
313	193	5.96	-6.26	0.07	1.15e-03	0.0	-3.45e-04
313	216	12.38	-1.03	-2.70	-6.14e-04	0.0	-6.66e-04
313	220	-0.45	5.72	-4.16	-1.50e-03	0.0	3.84e-05
313	225	7.14	-7.33	0.37	1.33e-03	0.0	-4.10e-04
314	4	0.03	0.20	-0.43	0.0	1.31e-05	-4.88e-06
314	44	0.02	-0.52	-0.24	0.0	9.74e-06	-3.57e-06
314	52	0.03	-0.08	-0.38	0.0	1.42e-05	-4.92e-06
314	68	0.02	0.13	-0.30	0.0	9.17e-06	-3.44e-06
314	88	0.01	-0.35	-0.17	0.0	6.91e-06	-2.57e-06
314	92	0.02	-0.05	-0.26	0.0	9.89e-06	-3.47e-06
314	98	0.02	-0.05	-0.22	0.0	8.15e-06	-2.91e-06
314	103	0.01	0.02	-0.23	0.0	7.46e-06	-2.77e-06
314	105	0.01	-0.10	-0.20	0.0	7.37e-06	-2.68e-06
314	107	0.02	-0.04	-0.21	0.0	7.70e-06	-2.78e-06
314	112	5.17	-1.62	-0.04	0.0	2.40e-03	-2.60e-04
314	129	2.93	-3.52	0.44	0.0	1.35e-03	-1.62e-04
314	130	-2.90	3.44	-0.87	0.0	-1.34e-03	1.57e-04
314	144	5.83	-1.82	-0.01	0.0	2.71e-03	-2.93e-04
314	161	3.31	-3.97	0.53	0.0	1.53e-03	-1.83e-04
314	162	-3.28	3.88	-0.95	0.0	-1.51e-03	1.77e-04
314	176	5.87	-1.83	-0.02	0.0	2.73e-03	-2.93e-04
314	193	3.41	-3.98	0.52	0.0	1.57e-03	-1.87e-04
314	194	-3.38	3.89	-0.95	0.0	-1.56e-03	1.81e-04
314	216	7.07	-2.44	0.06	0.0	3.26e-03	-3.88e-04
314	225	4.09	-4.68	0.65	0.0	1.89e-03	-2.23e-04
314	226	-4.06	4.60	-1.08	0.0	-1.87e-03	2.17e-04
315	4	0.06	0.46	-3.13	-6.87e-04	9.05e-06	-6.53e-06
315	44	0.04	-0.84	-2.37	-4.47e-04	1.33e-05	-2.29e-05
315	52	0.07	-0.02	-2.96	-6.19e-04	5.23e-06	-9.55e-06
315	68	0.04	0.30	-2.22	-4.89e-04	1.42e-05	-4.65e-06
315	88	0.03	-0.56	-1.72	-3.29e-04	1.71e-05	-1.55e-05
315	92	0.05	-0.02	-2.11	-4.44e-04	1.16e-05	-6.66e-06
315	98	0.04	-0.01	-1.82	-3.87e-04	2.41e-05	-5.47e-06
315	105	0.03	-0.12	-1.72	-3.59e-04	2.64e-05	-7.13e-06
315	107	0.04	-0.01	-1.75	-3.74e-04	2.73e-05	-5.18e-06

315	112	8.91	-0.61	-2.62	-7.19e-04	1.20e-04	-3.72e-04
315	124	-0.24	3.85	-3.62	-1.13e-03	1.14e-04	1.42e-05
315	129	5.05	-5.00	-0.11	3.82e-04	-6.09e-05	-2.25e-04
315	144	10.04	-0.69	-2.73	-7.62e-04	1.32e-04	-4.19e-04
315	156	-0.28	4.34	-3.86	-1.22e-03	1.25e-04	1.70e-05
315	161	5.71	-5.62	0.09	4.77e-04	-7.20e-05	-2.53e-04
315	176	10.12	-0.71	-2.70	-7.49e-04	1.28e-04	-4.18e-04
315	188	-0.33	4.30	-3.82	-1.21e-03	1.23e-04	1.81e-05
315	193	5.87	-5.60	0.07	4.65e-04	-7.10e-05	-2.57e-04
315	216	12.21	-1.08	-2.70	-3.87e-04	-7.58e-05	-5.30e-04
315	220	-0.43	5.01	-4.16	-1.35e-03	1.39e-04	2.39e-05
315	225	7.04	-6.55	0.37	6.04e-04	-8.83e-05	-3.06e-04
316	4	0.03	0.24	-0.57	0.0	1.38e-05	-6.28e-06
316	44	0.02	-0.63	-0.34	0.0	1.01e-05	-4.47e-06
316	52	0.03	-0.09	-0.50	0.0	1.48e-05	-6.26e-06
316	68	0.02	0.16	-0.40	0.0	9.65e-06	-4.43e-06
316	88	0.02	-0.42	-0.24	0.0	7.15e-06	-3.22e-06
316	92	0.02	-0.06	-0.35	0.0	1.03e-05	-4.42e-06
316	98	0.02	-0.05	-0.30	0.0	8.51e-06	-3.72e-06
316	103	0.02	0.02	-0.30	0.0	7.83e-06	-3.56e-06
316	105	0.02	-0.12	-0.27	0.0	7.69e-06	-3.41e-06
316	107	0.02	-0.05	-0.29	0.0	8.04e-06	-3.55e-06
316	112	6.21	-1.96	-0.10	0.0	2.38e-03	-3.13e-04
316	129	3.51	-4.27	0.45	0.0	1.33e-03	-1.93e-04
316	130	-3.48	4.16	-1.02	0.0	-1.32e-03	1.86e-04
316	144	6.99	-2.20	-0.08	0.0	2.68e-03	-3.52e-04
316	161	3.97	-4.80	0.54	0.0	1.51e-03	-2.18e-04
316	162	-3.93	4.70	-1.11	0.0	-1.49e-03	2.11e-04
316	176	7.05	-2.21	-0.08	0.0	2.70e-03	-3.52e-04
316	193	4.09	-4.82	0.53	0.0	1.55e-03	-2.22e-04
316	194	-4.05	4.72	-1.11	0.0	-1.54e-03	2.15e-04
316	216	8.48	-2.95	9.99e-05	0.0	3.21e-03	-4.61e-04
316	225	4.90	-5.67	0.67	0.0	1.86e-03	-2.66e-04
316	226	-4.86	5.57	-1.25	0.0	-1.85e-03	2.59e-04
317	4	0.02	0.51	-3.35	7.91e-04	-8.24e-05	1.08e-05
317	18	0.02	0.84	-2.88	6.62e-04	-8.07e-05	1.97e-05
317	28	0.02	-0.49	-3.68	9.24e-04	-8.21e-05	-7.85e-06
317	68	0.01	0.34	-2.40	5.68e-04	-6.23e-05	7.09e-06
317	75	0.01	0.56	-2.08	4.82e-04	-6.12e-05	1.30e-05
317	80	0.01	-0.32	-2.62	6.57e-04	-6.21e-05	-5.31e-06
317	98	0.01	7.04e-03	-2.17	5.30e-04	-6.02e-05	-1.26e-06
317	103	0.01	0.12	-2.05	4.96e-04	-5.99e-05	1.68e-06
317	107	0.01	6.76e-03	-2.09	5.11e-04	-5.98e-05	-1.20e-06
317	108	2.62	1.02	-1.32	3.49e-04	-2.78e-04	-2.87e-04
317	127	-1.86	-4.20	-3.84	1.14e-03	9.76e-05	-2.62e-05
317	130	0.70	4.38	-0.49	-1.41e-04	-1.15e-04	2.20e-04
317	140	2.95	1.14	-1.22	3.29e-04	-3.05e-04	-3.23e-04
317	159	-2.09	-4.72	-4.06	1.22e-03	1.17e-04	-2.98e-05
317	162	0.79	4.93	-0.29	-2.23e-04	-1.22e-04	2.49e-04
317	172	2.78	1.12	-1.25	3.32e-04	-2.88e-04	-3.20e-04
317	191	-1.99	-4.65	-4.03	1.21e-03	1.07e-04	-3.18e-05
317	194	0.80	4.86	-0.31	-2.12e-04	-1.23e-04	2.52e-04
317	204	3.17	1.30	-1.12	3.03e-04	-3.18e-04	-3.75e-04
317	223	-2.29	-5.41	-4.34	1.33e-03	1.31e-04	-3.93e-05
317	226	0.93	5.66	-0.01	-3.30e-04	-1.33e-04	3.02e-04
318	4	0.04	0.29	-0.76	0.0	1.48e-05	-8.21e-06
318	44	0.03	-0.73	-0.49	0.0	1.05e-05	-5.58e-06
318	52	0.04	-0.10	-0.69	0.0	1.56e-05	-8.04e-06
318	68	0.03	0.19	-0.53	0.0	1.04e-05	-5.80e-06
318	88	0.02	-0.49	-0.35	0.0	7.50e-06	-4.04e-06
318	92	0.03	-0.07	-0.49	0.0	1.09e-05	-5.68e-06
318	98	0.02	-0.06	-0.41	0.0	9.04e-06	-4.80e-06
318	105	0.02	-0.14	-0.38	0.0	8.16e-06	-4.39e-06
318	107	0.02	-0.06	-0.39	0.0	8.56e-06	-4.59e-06
318	112	7.23	-2.29	-0.21	0.0	2.36e-03	-3.67e-04
318	129	4.09	-5.01	0.40	0.0	1.32e-03	-2.25e-04
318	130	-4.04	4.89	-1.18	0.0	-1.30e-03	2.16e-04
318	144	8.15	-2.58	-0.19	0.0	2.66e-03	-4.13e-04
318	161	4.62	-5.64	0.50	0.0	1.49e-03	-2.54e-04
318	162	-4.58	5.52	-1.28	0.0	-1.48e-03	2.44e-04
318	176	8.21	-2.59	-0.20	0.0	2.68e-03	-4.12e-04
318	193	4.76	-5.66	0.49	0.0	1.54e-03	-2.59e-04
318	194	-4.71	5.54	-1.28	0.0	-1.52e-03	2.50e-04
318	216	9.86	-3.46	-0.11	0.0	3.18e-03	-5.35e-04
318	225	5.70	-6.66	0.64	0.0	1.84e-03	-3.09e-04

318	226	-5.66	6.54	-1.43	0.0	-1.83e-03	3.00e-04
319	1	0.02	0.41	0.0	0.0	0.0	0.0
319	44	0.03	-0.82	0.0	0.0	0.0	0.0
319	52	0.05	-0.08	0.0	0.0	0.0	0.0
319	65	0.01	0.27	0.0	0.0	0.0	0.0
319	88	0.02	-0.55	0.0	0.0	0.0	0.0
319	92	0.03	-0.05	0.0	0.0	0.0	0.0
319	97	0.02	-0.03	0.0	0.0	0.0	0.0
319	98	0.03	-0.05	0.0	0.0	0.0	0.0
319	105	0.03	-0.14	0.0	0.0	0.0	0.0
319	106	0.02	-0.03	0.0	0.0	0.0	0.0
319	107	0.03	-0.04	0.0	0.0	0.0	0.0
319	108	6.73	-2.27	0.0	0.0	0.0	0.0
319	112	8.25	-2.44	0.0	0.0	0.0	0.0
319	129	4.66	-5.67	0.0	0.0	0.0	0.0
319	140	7.59	-2.56	0.0	0.0	0.0	0.0
319	144	9.30	-2.74	0.0	0.0	0.0	0.0
319	161	5.26	-6.38	0.0	0.0	0.0	0.0
319	172	7.62	-2.54	0.0	0.0	0.0	0.0
319	176	9.37	-2.76	0.0	0.0	0.0	0.0
319	193	5.42	-6.40	0.0	0.0	0.0	0.0
319	204	8.97	-2.97	0.0	0.0	0.0	0.0
319	216	11.23	-3.70	0.0	0.0	0.0	0.0
319	225	6.50	-7.53	0.0	0.0	0.0	0.0
320	4	0.05	0.36	-1.09	-5.32e-04	3.37e-05	-1.63e-05
320	44	0.03	-0.82	-0.75	-3.21e-04	1.86e-04	-9.07e-06
320	52	0.05	-0.09	-1.01	-4.73e-04	7.15e-05	-1.50e-05
320	68	0.03	0.24	-0.77	-3.74e-04	2.50e-05	-1.16e-05
320	88	0.02	-0.55	-0.54	-2.34e-04	1.27e-04	-6.73e-06
320	92	0.03	-0.06	-0.71	-3.35e-04	5.02e-05	-1.07e-05
320	98	0.03	-0.05	-0.60	-2.87e-04	4.14e-05	-9.17e-06
320	105	0.03	-0.15	-0.56	-2.62e-04	5.59e-05	-8.24e-06
320	107	0.03	-0.05	-0.57	-2.75e-04	3.95e-05	-8.82e-06
320	112	8.25	-2.62	-1.08	-6.71e-04	1.07e-03	-4.27e-04
320	129	4.66	-5.75	0.26	4.45e-04	6.13e-04	-2.60e-04
320	130	-4.60	5.65	-1.40	-9.95e-04	-5.34e-04	2.43e-04
320	144	9.30	-2.94	-1.14	-7.20e-04	1.20e-03	-4.81e-04
320	161	5.26	-6.47	0.36	5.34e-04	6.88e-04	-2.93e-04
320	162	-5.21	6.37	-1.51	-1.08e-03	-6.09e-04	2.75e-04
320	176	9.37	-2.96	-1.12	-6.98e-04	1.20e-03	-4.81e-04
320	193	5.42	-6.50	0.35	5.23e-04	7.05e-04	-2.99e-04
320	194	-5.37	6.40	-1.50	-1.07e-03	-6.26e-04	2.81e-04
320	216	11.23	-3.96	-0.32	-1.31e-04	1.41e-03	-6.14e-04
320	225	6.50	-7.65	0.51	6.55e-04	8.37e-04	-3.56e-04
320	226	-6.44	7.55	-1.66	-1.21e-03	-7.58e-04	3.38e-04
321	4	3.37e-03	0.12	-0.15	0.0	6.84e-06	0.0
321	45	7.18e-04	-0.19	-0.04	0.0	1.46e-06	0.0
321	52	4.11e-03	0.03	-0.15	0.0	8.35e-06	0.0
321	68	2.33e-03	0.08	-0.11	0.0	4.73e-06	0.0
321	85	9.72e-04	-0.12	-0.05	0.0	1.98e-06	0.0
321	92	2.83e-03	0.02	-0.10	0.0	5.74e-06	0.0
321	98	2.28e-03	0.01	-0.09	0.0	4.63e-06	0.0
321	103	1.97e-03	0.03	-0.08	0.0	4.00e-06	0.0
321	107	2.13e-03	0.01	-0.08	0.0	4.33e-06	0.0
321	112	1.03	0.39	-0.10	0.0	2.05e-03	1.97e-04
321	136	0.59	0.71	-0.11	0.0	1.17e-03	1.13e-04
321	144	1.17	0.44	-0.10	0.0	2.31e-03	2.22e-04
321	168	0.67	0.79	-0.12	0.0	1.32e-03	1.28e-04
321	176	1.17	0.44	-0.10	0.0	2.33e-03	2.24e-04
321	200	0.69	0.79	-0.12	0.0	1.36e-03	1.31e-04
321	216	1.41	0.53	-0.10	0.0	2.79e-03	2.62e-04
321	232	0.82	0.92	-0.12	0.0	1.63e-03	1.57e-04
322	1	0.0	0.0	0.0	0.0	1.93e-06	0.0
322	65	0.0	0.0	0.0	0.0	1.45e-06	0.0
322	97	0.0	0.0	0.0	0.0	2.42e-06	0.0
322	106	0.0	0.0	0.0	0.0	2.42e-06	0.0
322	108	0.0	0.0	0.0	0.0	1.62e-03	9.37e-06
322	140	0.0	0.0	0.0	0.0	1.83e-03	1.06e-05
322	172	0.0	0.0	0.0	0.0	1.84e-03	1.06e-05
322	204	0.0	0.0	0.0	0.0	2.16e-03	1.25e-05
323	4	7.05e-03	0.23	-0.26	0.0	7.44e-06	0.0
323	45	1.51e-03	-0.35	-0.08	0.0	1.61e-06	0.0
323	52	8.61e-03	0.05	-0.25	0.0	9.07e-06	0.0
323	68	4.89e-03	0.15	-0.18	0.0	5.16e-06	0.0
323	85	2.04e-03	-0.23	-0.09	0.0	2.17e-06	0.0

323	92	5.93e-03	0.03	-0.18	0.0	6.24e-06	0.0
323	98	4.78e-03	0.03	-0.15	0.0	5.04e-06	0.0
323	103	4.12e-03	0.07	-0.14	0.0	4.35e-06	0.0
323	107	4.47e-03	0.03	-0.14	0.0	4.71e-06	0.0
323	112	2.14	0.79	-0.17	0.0	2.20e-03	2.53e-04
323	136	1.22	1.43	-0.21	0.0	1.26e-03	1.46e-04
323	144	2.41	0.89	-0.18	0.0	2.48e-03	2.85e-04
323	168	1.38	1.61	-0.21	0.0	1.42e-03	1.65e-04
323	176	2.43	0.88	-0.18	0.0	2.50e-03	2.86e-04
323	200	1.42	1.60	-0.21	0.0	1.46e-03	1.68e-04
323	216	2.90	1.07	-0.18	0.0	2.99e-03	3.30e-04
323	232	1.70	1.86	-0.22	0.0	1.75e-03	2.01e-04
324	4	0.01	0.32	-0.36	0.0	8.14e-06	0.0
324	45	2.40e-03	-0.50	-0.11	0.0	1.77e-06	0.0
324	52	0.01	0.06	-0.35	0.0	9.90e-06	-1.04e-06
324	68	7.73e-03	0.22	-0.25	0.0	5.64e-06	0.0
324	75	5.17e-03	0.33	-0.23	0.0	3.80e-06	0.0
324	92	9.36e-03	0.04	-0.25	0.0	6.82e-06	0.0
324	98	7.55e-03	0.04	-0.21	0.0	5.50e-06	0.0
324	103	6.52e-03	0.09	-0.20	0.0	4.76e-06	0.0
324	107	7.06e-03	0.03	-0.20	0.0	5.15e-06	0.0
324	112	3.34	1.20	-0.24	0.0	2.37e-03	2.04e-04
324	136	1.91	2.17	-0.29	0.0	1.35e-03	1.21e-04
324	144	3.76	1.35	-0.25	0.0	2.67e-03	2.30e-04
324	168	2.16	2.44	-0.31	0.0	1.53e-03	1.36e-04
324	176	3.79	1.33	-0.25	0.0	2.69e-03	2.29e-04
324	200	2.22	2.42	-0.30	0.0	1.57e-03	1.37e-04
324	216	4.54	1.61	-0.26	0.0	3.22e-03	2.55e-04
324	232	2.66	2.83	-0.32	0.0	1.89e-03	1.63e-04
325	4	0.02	0.40	-0.47	0.0	8.77e-06	-1.80e-06
325	45	3.38e-03	-0.62	-0.14	0.0	1.90e-06	-1.15e-06
325	52	0.02	0.07	-0.46	0.0	1.06e-05	-2.08e-06
325	68	0.01	0.27	-0.33	0.0	6.08e-06	-1.29e-06
325	75	7.27e-03	0.41	-0.30	0.0	4.11e-06	-1.01e-06
325	92	0.01	0.05	-0.32	0.0	7.32e-06	-1.48e-06
325	98	0.01	0.04	-0.27	0.0	5.91e-06	-1.25e-06
325	103	9.14e-03	0.11	-0.26	0.0	5.12e-06	-1.14e-06
325	107	9.90e-03	0.04	-0.25	0.0	5.54e-06	-1.20e-06
325	112	4.63	1.61	-0.32	0.0	2.51e-03	8.12e-05
325	136	2.64	2.92	-0.38	0.0	1.43e-03	-2.81e-05
325	144	5.21	1.80	-0.32	0.0	2.83e-03	9.14e-05
325	168	2.99	3.29	-0.40	0.0	1.62e-03	-3.16e-05
325	176	5.25	1.79	-0.32	0.0	2.85e-03	8.68e-05
325	200	3.08	3.26	-0.40	0.0	1.67e-03	-3.22e-05
325	216	6.29	2.16	-0.34	0.0	3.41e-03	7.77e-05
325	232	3.69	3.80	-0.42	0.0	2.00e-03	-3.70e-05
326	4	3.36e-03	0.12	-0.09	0.0	6.61e-06	0.0
326	45	6.29e-04	-0.18	-0.03	0.0	1.24e-06	0.0
326	52	4.13e-03	0.03	-0.09	0.0	8.11e-06	0.0
326	68	2.32e-03	0.08	-0.07	0.0	4.57e-06	0.0
326	85	9.04e-04	-0.12	-0.03	0.0	1.78e-06	0.0
326	92	2.84e-03	0.02	-0.07	0.0	5.57e-06	0.0
326	98	2.28e-03	0.01	-0.05	0.0	4.47e-06	0.0
326	103	1.96e-03	0.03	-0.05	0.0	3.84e-06	0.0
326	107	2.13e-03	0.01	-0.05	0.0	4.18e-06	0.0
326	112	1.11	0.39	-0.06	0.0	2.15e-03	1.22e-04
326	136	0.64	0.71	-0.07	0.0	1.23e-03	7.01e-05
326	144	1.25	0.44	-0.06	0.0	2.42e-03	1.37e-04
326	168	0.72	0.79	-0.07	0.0	1.39e-03	7.92e-05
326	176	1.26	0.44	-0.06	0.0	2.44e-03	1.38e-04
326	200	0.74	0.79	-0.07	0.0	1.43e-03	8.07e-05
326	216	1.51	0.53	-0.06	0.0	2.91e-03	1.58e-04
326	232	0.89	0.92	-0.08	0.0	1.71e-03	9.63e-05
327	1	0.0	0.0	0.0	0.0	1.80e-06	0.0
327	65	0.0	0.0	0.0	0.0	1.35e-06	0.0
327	97	0.0	0.0	0.0	0.0	2.34e-06	0.0
327	106	0.0	0.0	0.0	0.0	2.34e-06	0.0
327	108	0.0	0.0	0.0	0.0	1.73e-03	6.18e-06
327	140	0.0	0.0	0.0	0.0	1.95e-03	6.97e-06
327	172	0.0	0.0	0.0	0.0	1.96e-03	6.98e-06
327	204	0.0	0.0	0.0	0.0	2.31e-03	8.22e-06
328	4	6.88e-03	0.23	-0.19	0.0	6.97e-06	0.0
328	45	1.29e-03	-0.35	-0.06	0.0	1.33e-06	0.0
328	52	8.44e-03	0.05	-0.18	0.0	8.53e-06	0.0
328	68	4.75e-03	0.15	-0.13	0.0	4.82e-06	0.0

328	75	3.13e-03	0.23	-0.12	0.0	3.20e-06	0.0
328	92	5.79e-03	0.03	-0.13	0.0	5.86e-06	0.0
328	98	4.66e-03	0.03	-0.11	0.0	4.71e-06	0.0
328	103	4.00e-03	0.07	-0.10	0.0	4.06e-06	0.0
328	107	4.35e-03	0.03	-0.10	0.0	4.40e-06	0.0
328	112	2.25	0.79	-0.12	0.0	2.21e-03	1.77e-04
328	136	1.28	1.43	-0.14	0.0	1.26e-03	1.03e-04
328	144	2.53	0.89	-0.12	0.0	2.49e-03	1.99e-04
328	168	1.45	1.61	-0.14	0.0	1.43e-03	1.16e-04
328	176	2.55	0.88	-0.12	0.0	2.51e-03	1.99e-04
328	200	1.49	1.60	-0.14	0.0	1.47e-03	1.17e-04
328	216	3.05	1.07	-0.12	0.0	3.00e-03	2.24e-04
328	232	1.79	1.86	-0.15	0.0	1.76e-03	1.40e-04
329	4	0.01	0.32	-0.28	0.0	7.47e-06	-1.20e-06
329	45	2.02e-03	-0.49	-0.09	0.0	1.44e-06	0.0
329	52	0.01	0.07	-0.27	0.0	9.10e-06	-1.34e-06
329	68	7.36e-03	0.22	-0.19	0.0	5.17e-06	0.0
329	75	4.86e-03	0.33	-0.17	0.0	3.46e-06	0.0
329	92	8.96e-03	0.05	-0.19	0.0	6.25e-06	0.0
329	98	7.20e-03	0.04	-0.16	0.0	5.04e-06	0.0
329	103	6.19e-03	0.09	-0.15	0.0	4.34e-06	0.0
329	107	6.73e-03	0.03	-0.15	0.0	4.71e-06	0.0
329	112	3.43	1.20	-0.18	0.0	2.30e-03	1.16e-04
329	136	1.96	2.17	-0.20	0.0	1.31e-03	-2.24e-05
329	144	3.86	1.35	-0.18	0.0	2.59e-03	1.31e-04
329	168	2.21	2.44	-0.21	0.0	1.48e-03	-2.51e-05
329	176	3.89	1.33	-0.18	0.0	2.61e-03	1.29e-04
329	200	2.28	2.42	-0.21	0.0	1.53e-03	-2.43e-05
329	216	4.65	1.61	-0.19	0.0	3.11e-03	1.33e-04
329	232	2.73	2.83	-0.22	0.0	1.83e-03	-2.72e-05
330	4	0.01	0.40	-0.38	0.0	7.98e-06	-2.04e-06
330	18	9.58e-03	0.61	-0.34	0.0	5.28e-06	-1.59e-06
330	52	0.02	0.07	-0.37	0.0	9.67e-06	-2.34e-06
330	68	0.01	0.27	-0.27	0.0	5.52e-06	-1.46e-06
330	75	6.75e-03	0.41	-0.24	0.0	3.72e-06	-1.16e-06
330	92	0.01	0.05	-0.26	0.0	6.65e-06	-1.66e-06
330	98	9.94e-03	0.04	-0.22	0.0	5.36e-06	-1.40e-06
330	103	8.56e-03	0.11	-0.21	0.0	4.64e-06	-1.28e-06
330	107	9.29e-03	0.04	-0.21	0.0	5.01e-06	-1.35e-06
330	112	4.66	1.61	-0.24	0.0	2.38e-03	6.40e-05
330	136	2.66	2.92	-0.28	0.0	1.36e-03	-2.66e-05
330	144	5.25	1.80	-0.24	0.0	2.69e-03	7.20e-05
330	168	3.01	3.29	-0.29	0.0	1.54e-03	-3.00e-05
330	176	5.29	1.79	-0.24	0.0	2.71e-03	6.60e-05
330	200	3.10	3.26	-0.28	0.0	1.58e-03	-3.11e-05
330	216	6.32	2.17	-0.25	0.0	3.23e-03	5.72e-05
330	232	3.71	3.80	-0.30	0.0	1.89e-03	-3.63e-05
331	4	3.23e-03	0.12	-0.09	0.0	6.25e-06	0.0
331	45	5.08e-04	-0.18	-0.03	0.0	0.0	0.0
331	52	3.99e-03	0.03	-0.09	0.0	7.72e-06	0.0
331	68	2.23e-03	0.08	-0.06	0.0	4.31e-06	0.0
331	85	7.96e-04	-0.12	-0.03	0.0	1.55e-06	0.0
331	92	2.73e-03	0.02	-0.06	0.0	5.29e-06	0.0
331	98	2.19e-03	0.02	-0.05	0.0	4.23e-06	0.0
331	103	1.87e-03	0.03	-0.05	0.0	3.62e-06	0.0
331	107	2.04e-03	0.01	-0.05	0.0	3.94e-06	0.0
331	112	1.15	0.39	-0.05	0.0	2.20e-03	6.62e-05
331	132	0.67	0.71	-0.06	0.0	1.29e-03	4.08e-05
331	136	0.66	0.71	-0.06	0.0	1.26e-03	3.86e-05
331	144	1.30	0.44	-0.05	0.0	2.48e-03	7.46e-05
331	164	0.76	0.79	-0.06	0.0	1.45e-03	4.60e-05
331	168	0.74	0.79	-0.06	0.0	1.42e-03	4.35e-05
331	176	1.31	0.44	-0.05	0.0	2.50e-03	7.43e-05
331	200	0.77	0.79	-0.06	0.0	1.46e-03	4.38e-05
331	216	1.56	0.53	-0.05	0.0	2.98e-03	8.09e-05
331	232	0.92	0.92	-0.06	0.0	1.75e-03	5.20e-05
332	1	0.0	0.0	0.0	0.0	1.60e-06	0.0
332	65	0.0	0.0	0.0	0.0	1.20e-06	0.0
332	97	0.0	0.0	0.0	0.0	2.17e-06	0.0
332	106	0.0	0.0	0.0	0.0	2.17e-06	0.0
332	108	0.0	0.0	0.0	0.0	1.79e-03	3.39e-06
332	140	0.0	0.0	0.0	0.0	2.02e-03	3.82e-06
332	172	0.0	0.0	0.0	0.0	2.02e-03	3.81e-06
332	204	0.0	0.0	0.0	0.0	2.38e-03	4.48e-06
333	4	6.53e-03	0.23	-0.17	0.0	6.46e-06	0.0

333	45	1.03e-03	-0.34	-0.06	0.0	1.04e-06	0.0
333	52	8.06e-03	0.05	-0.17	0.0	7.94e-06	0.0
333	68	4.50e-03	0.15	-0.12	0.0	4.45e-06	0.0
333	75	2.91e-03	0.23	-0.11	0.0	2.90e-06	0.0
333	92	5.52e-03	0.04	-0.12	0.0	5.44e-06	0.0
333	98	4.42e-03	0.03	-0.10	0.0	4.36e-06	0.0
333	103	3.78e-03	0.07	-0.09	0.0	3.73e-06	0.0
333	107	4.12e-03	0.03	-0.09	0.0	4.06e-06	0.0
333	112	2.31	0.79	-0.10	0.0	2.22e-03	7.95e-05
333	132	1.35	1.43	-0.11	0.0	1.30e-03	-1.10e-05
333	136	1.32	1.43	-0.11	0.0	1.27e-03	-1.52e-05
333	144	2.60	0.89	-0.10	0.0	2.50e-03	8.95e-05
333	164	1.52	1.61	-0.11	0.0	1.46e-03	-1.24e-05
333	168	1.49	1.61	-0.11	0.0	1.43e-03	-1.70e-05
333	176	2.62	0.88	-0.10	0.0	2.52e-03	8.86e-05
333	200	1.53	1.60	-0.11	0.0	1.47e-03	-1.64e-05
333	216	3.12	1.07	-0.10	0.0	3.00e-03	8.99e-05
333	232	1.84	1.86	-0.12	0.0	1.76e-03	-1.84e-05
334	4	9.98e-03	0.32	-0.26	0.0	6.78e-06	-1.49e-06
334	45	1.59e-03	-0.49	-0.08	0.0	1.11e-06	0.0
334	52	0.01	0.07	-0.26	0.0	8.29e-06	-1.67e-06
334	68	6.88e-03	0.22	-0.18	0.0	4.68e-06	-1.07e-06
334	75	4.46e-03	0.32	-0.16	0.0	3.09e-06	0.0
334	92	8.43e-03	0.05	-0.18	0.0	5.69e-06	-1.19e-06
334	98	6.75e-03	0.04	-0.15	0.0	4.57e-06	-1.01e-06
334	103	5.77e-03	0.09	-0.14	0.0	3.92e-06	0.0
334	107	6.29e-03	0.03	-0.14	0.0	4.26e-06	0.0
334	112	3.48	1.20	-0.15	0.0	2.24e-03	6.77e-05
334	132	2.03	2.17	-0.17	0.0	1.31e-03	-1.70e-05
334	136	1.99	2.17	-0.17	0.0	1.28e-03	-2.16e-05
334	144	3.92	1.35	-0.16	0.0	2.53e-03	7.62e-05
334	164	2.30	2.44	-0.17	0.0	1.48e-03	-1.90e-05
334	168	2.25	2.44	-0.17	0.0	1.45e-03	-2.43e-05
334	176	3.95	1.34	-0.16	0.0	2.55e-03	7.31e-05
334	200	2.31	2.42	-0.17	0.0	1.49e-03	-2.45e-05
334	216	4.70	1.61	-0.16	0.0	3.03e-03	6.34e-05
334	232	2.77	2.83	-0.17	0.0	1.78e-03	-2.81e-05
335	4	0.01	0.40	-0.36	0.0	7.17e-06	-2.36e-06
335	18	8.74e-03	0.61	-0.31	0.0	4.71e-06	-1.85e-06
335	52	0.02	0.07	-0.35	0.0	8.71e-06	-2.68e-06
335	68	9.40e-03	0.27	-0.25	0.0	4.96e-06	-1.69e-06
335	75	6.14e-03	0.41	-0.22	0.0	3.32e-06	-1.35e-06
335	92	0.01	0.05	-0.25	0.0	5.98e-06	-1.90e-06
335	98	9.20e-03	0.04	-0.20	0.0	4.81e-06	-1.60e-06
335	103	7.88e-03	0.11	-0.19	0.0	4.15e-06	-1.47e-06
335	107	8.58e-03	0.04	-0.19	0.0	4.49e-06	-1.54e-06
335	112	4.66	1.61	-0.21	0.0	2.28e-03	6.21e-05
335	132	2.73	2.92	-0.23	0.0	1.33e-03	-2.25e-05
335	136	2.66	2.92	-0.23	0.0	1.30e-03	-2.18e-05
335	144	5.26	1.80	-0.21	0.0	2.57e-03	6.99e-05
335	164	3.08	3.28	-0.23	0.0	1.50e-03	-2.52e-05
335	168	3.01	3.29	-0.23	0.0	1.47e-03	-2.45e-05
335	176	5.30	1.79	-0.21	0.0	2.59e-03	6.38e-05
335	200	3.10	3.26	-0.23	0.0	1.51e-03	-2.50e-05
335	216	6.31	2.17	-0.21	0.0	3.07e-03	7.60e-05
335	232	3.71	3.81	-0.24	0.0	1.81e-03	-2.89e-05
336	4	3.02e-03	0.12	-0.09	0.0	5.78e-06	0.0
336	45	3.68e-04	-0.18	-0.03	0.0	0.0	0.0
336	52	3.76e-03	0.03	-0.09	0.0	7.19e-06	0.0
336	68	2.07e-03	0.08	-0.06	0.0	3.97e-06	0.0
336	75	1.31e-03	0.12	-0.05	0.0	2.51e-06	0.0
336	92	2.57e-03	0.02	-0.06	0.0	4.91e-06	0.0
336	98	2.04e-03	0.02	-0.05	0.0	3.91e-06	0.0
336	103	1.73e-03	0.03	-0.05	0.0	3.32e-06	0.0
336	107	1.90e-03	0.01	-0.05	0.0	3.64e-06	0.0
336	112	1.17	0.39	-0.05	0.0	2.22e-03	2.52e-05
336	132	0.69	0.71	-0.05	0.0	1.30e-03	-5.50e-06
336	136	0.67	0.71	-0.05	0.0	1.27e-03	-7.24e-06
336	144	1.32	0.44	-0.05	0.0	2.50e-03	2.84e-05
336	164	0.77	0.79	-0.05	0.0	1.47e-03	-6.13e-06
336	168	0.76	0.79	-0.05	0.0	1.43e-03	-8.13e-06
336	176	1.33	0.44	-0.05	0.0	2.52e-03	2.75e-05
336	196	0.78	0.78	-0.05	0.0	1.49e-03	-6.06e-06
336	200	0.78	0.79	-0.05	0.0	1.47e-03	-8.13e-06
336	216	1.58	0.53	-0.05	0.0	3.00e-03	2.43e-05

336	228	0.93	0.91	-0.05	0.0	1.76e-03	-6.96e-06
336	232	0.93	0.92	-0.05	0.0	1.77e-03	-9.28e-06
337	1	0.0	0.0	0.0	0.0	1.35e-06	0.0
337	65	0.0	0.0	0.0	0.0	1.02e-06	0.0
337	97	0.0	0.0	0.0	0.0	1.96e-06	0.0
337	106	0.0	0.0	0.0	0.0	1.96e-06	0.0
337	108	0.0	0.0	0.0	0.0	1.81e-03	2.21e-06
337	140	0.0	0.0	0.0	0.0	2.04e-03	2.49e-06
337	172	0.0	0.0	0.0	0.0	2.05e-03	2.42e-06
337	204	0.0	0.0	0.0	0.0	2.42e-03	2.82e-06
338	4	6.06e-03	0.23	-0.17	0.0	5.87e-06	-1.01e-06
338	45	7.40e-04	-0.34	-0.06	0.0	0.0	0.0
338	52	7.54e-03	0.05	-0.17	0.0	7.28e-06	-1.13e-06
338	68	4.16e-03	0.15	-0.12	0.0	4.03e-06	0.0
338	75	2.63e-03	0.23	-0.11	0.0	2.57e-06	0.0
338	92	5.15e-03	0.04	-0.12	0.0	4.97e-06	0.0
338	98	4.10e-03	0.03	-0.10	0.0	3.96e-06	0.0
338	103	3.48e-03	0.07	-0.09	0.0	3.37e-06	0.0
338	107	3.81e-03	0.03	-0.09	0.0	3.68e-06	0.0
338	112	2.33	0.79	-0.10	0.0	2.21e-03	3.99e-05
338	132	1.37	1.43	-0.10	0.0	1.29e-03	-1.15e-05
338	136	1.33	1.43	-0.10	0.0	1.26e-03	-1.43e-05
338	144	2.63	0.89	-0.10	0.0	2.49e-03	4.50e-05
338	164	1.54	1.61	-0.10	0.0	1.46e-03	-1.29e-05
338	168	1.51	1.61	-0.10	0.0	1.43e-03	-1.61e-05
338	176	2.65	0.88	-0.10	0.0	2.51e-03	4.25e-05
338	196	1.56	1.59	-0.10	0.0	1.48e-03	-1.28e-05
338	200	1.55	1.60	-0.10	0.0	1.47e-03	-1.64e-05
338	216	3.15	1.07	-0.10	0.0	2.98e-03	3.48e-05
338	228	1.85	1.85	-0.10	0.0	1.75e-03	-1.47e-05
338	232	1.86	1.86	-0.10	0.0	1.76e-03	-1.90e-05
339	4	9.16e-03	0.32	-0.26	0.0	6.03e-06	-1.73e-06
339	45	1.13e-03	-0.48	-0.09	0.0	0.0	0.0
339	52	0.01	0.07	-0.26	0.0	7.44e-06	-1.95e-06
339	68	6.29e-03	0.22	-0.18	0.0	4.15e-06	-1.24e-06
339	75	3.99e-03	0.32	-0.16	0.0	2.67e-06	-1.00e-06
339	92	7.77e-03	0.05	-0.18	0.0	5.09e-06	-1.38e-06
339	98	6.19e-03	0.04	-0.15	0.0	4.06e-06	-1.17e-06
339	103	5.26e-03	0.09	-0.14	0.0	3.46e-06	-1.08e-06
339	107	5.75e-03	0.04	-0.14	0.0	3.78e-06	-1.12e-06
339	112	3.49	1.20	-0.15	0.0	2.20e-03	4.56e-05
339	132	2.04	2.17	-0.15	0.0	1.29e-03	-1.75e-05
339	136	1.99	2.18	-0.15	0.0	1.25e-03	-1.83e-05
339	144	3.93	1.35	-0.15	0.0	2.48e-03	5.13e-05
339	164	2.31	2.44	-0.15	0.0	1.45e-03	-1.96e-05
339	168	2.25	2.44	-0.15	0.0	1.42e-03	-2.06e-05
339	176	3.96	1.34	-0.15	0.0	2.50e-03	4.65e-05
339	196	2.34	2.42	-0.15	0.0	1.47e-03	-1.98e-05
339	200	2.32	2.43	-0.15	0.0	1.46e-03	-2.12e-05
339	216	4.71	1.62	-0.15	0.0	2.96e-03	4.75e-05
339	228	2.76	2.81	-0.15	0.0	1.74e-03	-2.32e-05
339	232	2.78	2.83	-0.15	0.0	1.74e-03	-2.46e-05
340	4	0.01	0.40	-0.36	0.0	6.26e-06	-2.68e-06
340	18	7.74e-03	0.61	-0.31	0.0	4.01e-06	-2.11e-06
340	52	0.02	0.07	-0.36	0.0	7.67e-06	-3.01e-06
340	68	8.50e-03	0.27	-0.25	0.0	4.31e-06	-1.91e-06
340	75	5.42e-03	0.41	-0.22	0.0	2.81e-06	-1.53e-06
340	92	0.01	0.05	-0.25	0.0	5.25e-06	-2.13e-06
340	98	8.35e-03	0.04	-0.21	0.0	4.20e-06	-1.80e-06
340	103	7.11e-03	0.11	-0.20	0.0	3.60e-06	-1.65e-06
340	107	7.76e-03	0.04	-0.20	0.0	3.91e-06	-1.72e-06
340	112	4.64	1.61	-0.20	0.0	2.19e-03	8.21e-05
340	132	2.72	2.92	-0.20	0.0	1.28e-03	-2.01e-05
340	136	2.65	2.93	-0.20	0.0	1.24e-03	-1.70e-05
340	144	5.23	1.81	-0.20	0.0	2.47e-03	9.26e-05
340	164	3.07	3.28	-0.20	0.0	1.44e-03	-2.25e-05
340	168	2.99	3.29	-0.20	0.0	1.41e-03	-1.90e-05
340	176	5.27	1.79	-0.20	0.0	2.49e-03	8.81e-05
340	196	3.10	3.25	-0.20	0.0	1.46e-03	-2.29e-05
340	200	3.08	3.26	-0.20	0.0	1.45e-03	-1.87e-05
340	216	6.26	2.17	-0.20	0.0	2.94e-03	1.22e-04
340	228	3.68	3.78	-0.20	0.0	1.73e-03	-2.72e-05
340	232	3.69	3.81	-0.20	0.0	1.73e-03	-2.11e-05
341	28	3.13e-03	-0.08	-0.09	0.0	5.93e-06	0.0
341	45	2.19e-04	-0.18	-0.03	0.0	0.0	0.0

341	52	3.47e-03	0.03	-0.09	0.0	6.58e-06	0.0
341	75	1.16e-03	0.12	-0.06	0.0	2.20e-06	0.0
341	80	2.13e-03	-0.05	-0.06	0.0	4.04e-06	0.0
341	92	2.36e-03	0.02	-0.06	0.0	4.48e-06	0.0
341	98	1.87e-03	0.02	-0.05	0.0	3.55e-06	0.0
341	103	1.57e-03	0.03	-0.05	0.0	2.99e-06	0.0
341	107	1.73e-03	0.02	-0.05	0.0	3.28e-06	0.0
341	112	1.18	0.39	-0.05	0.0	2.22e-03	1.57e-05
341	136	0.67	0.71	-0.04	0.0	1.27e-03	-6.34e-06
341	139	-0.67	-0.68	-0.06	0.0	-1.26e-03	5.65e-06
341	144	1.32	0.44	-0.05	0.0	2.50e-03	1.76e-05
341	168	0.76	0.79	-0.04	0.0	1.43e-03	-7.13e-06
341	171	-0.75	-0.76	-0.06	0.0	-1.43e-03	6.44e-06
341	176	1.33	0.44	-0.05	0.0	2.52e-03	1.60e-05
341	200	0.78	0.79	-0.04	0.0	1.47e-03	-7.37e-06
341	203	-0.78	-0.76	-0.06	0.0	-1.47e-03	6.68e-06
341	216	1.58	0.53	-0.05	0.0	2.99e-03	1.50e-05
341	232	0.93	0.92	-0.04	0.0	1.76e-03	-8.59e-06
341	235	-0.93	-0.89	-0.06	0.0	-1.76e-03	7.90e-06
342	1	0.0	0.0	0.0	0.0	1.08e-06	0.0
342	65	0.0	0.0	0.0	0.0	0.0	0.0
342	97	0.0	0.0	0.0	0.0	1.71e-06	0.0
342	106	0.0	0.0	0.0	0.0	1.71e-06	0.0
342	108	0.0	0.0	0.0	-1.01e-06	1.82e-03	1.41e-06
342	140	0.0	0.0	0.0	-1.13e-06	2.05e-03	1.59e-06
342	172	0.0	0.0	0.0	-1.04e-06	2.06e-03	1.47e-06
342	204	0.0	0.0	0.0	-1.18e-06	2.42e-03	1.68e-06
343	28	6.23e-03	-0.16	-0.19	0.0	5.89e-06	-1.33e-06
343	45	4.34e-04	-0.34	-0.06	0.0	0.0	0.0
343	52	6.92e-03	0.05	-0.18	0.0	6.54e-06	-1.27e-06
343	75	2.31e-03	0.23	-0.11	0.0	2.19e-06	0.0
343	80	4.25e-03	-0.11	-0.13	0.0	4.02e-06	0.0
343	92	4.71e-03	0.04	-0.13	0.0	4.45e-06	0.0
343	98	3.73e-03	0.03	-0.11	0.0	3.53e-06	0.0
343	103	3.14e-03	0.07	-0.10	0.0	2.97e-06	0.0
343	107	3.45e-03	0.03	-0.10	0.0	3.27e-06	0.0
343	112	2.34	0.79	-0.09	-1.12e-06	2.19e-03	3.11e-05
343	136	1.33	1.43	-0.09	1.03e-06	1.25e-03	-1.15e-05
343	139	-1.33	-1.38	-0.11	-1.02e-06	-1.24e-03	1.01e-05
343	144	2.63	0.89	-0.09	-1.26e-06	2.47e-03	3.50e-05
343	168	1.51	1.61	-0.09	1.16e-06	1.41e-03	-1.30e-05
343	171	-1.50	-1.56	-0.11	-1.15e-06	-1.41e-03	1.15e-05
343	176	2.65	0.88	-0.09	-1.21e-06	2.49e-03	3.17e-05
343	200	1.55	1.60	-0.09	1.15e-06	1.45e-03	-1.32e-05
343	203	-1.54	-1.54	-0.11	-1.14e-06	-1.45e-03	1.18e-05
343	216	3.14	1.07	-0.09	2.17e-06	2.95e-03	3.61e-05
343	232	1.86	1.86	-0.09	1.35e-06	1.74e-03	-1.53e-05
343	235	-1.85	-1.81	-0.12	-1.35e-06	-1.73e-03	1.39e-05
344	18	4.98e-03	0.48	-0.24	0.0	3.16e-06	-1.49e-06
344	28	9.31e-03	-0.23	-0.28	0.0	5.87e-06	-2.21e-06
344	52	0.01	0.07	-0.28	0.0	6.52e-06	-2.14e-06
344	75	3.46e-03	0.32	-0.17	0.0	2.20e-06	-1.08e-06
344	80	6.35e-03	-0.15	-0.20	0.0	4.00e-06	-1.56e-06
344	92	7.03e-03	0.05	-0.20	0.0	4.44e-06	-1.51e-06
344	98	5.57e-03	0.04	-0.16	0.0	3.52e-06	-1.28e-06
344	103	4.69e-03	0.09	-0.15	0.0	2.96e-06	-1.17e-06
344	107	5.16e-03	0.04	-0.15	0.0	3.26e-06	-1.22e-06
344	112	3.48	1.20	-0.15	2.56e-06	2.15e-03	5.51e-05
344	136	1.98	2.18	-0.14	1.60e-06	1.22e-03	-1.39e-05
344	139	-1.97	-2.10	-0.17	-1.59e-06	-1.22e-03	1.14e-05
344	144	3.92	1.35	-0.15	2.89e-06	2.43e-03	6.21e-05
344	168	2.24	2.45	-0.13	1.81e-06	1.38e-03	-1.55e-05
344	171	-2.23	-2.37	-0.17	-1.80e-06	-1.38e-03	1.31e-05
344	176	3.95	1.34	-0.15	2.87e-06	2.44e-03	5.82e-05
344	200	2.30	2.43	-0.13	1.84e-06	1.42e-03	-1.54e-05
344	203	-2.29	-2.35	-0.17	-1.83e-06	-1.42e-03	1.30e-05
344	216	4.68	1.62	-0.14	3.77e-06	2.89e-03	7.95e-05
344	232	2.76	2.83	-0.13	2.20e-06	1.71e-03	-1.76e-05
344	235	-2.75	-2.76	-0.17	-2.19e-06	-1.70e-03	1.51e-05
345	18	6.63e-03	0.61	-0.33	0.0	3.20e-06	-2.30e-06
345	28	0.01	-0.30	-0.39	0.0	5.88e-06	-3.32e-06
345	52	0.01	0.08	-0.39	0.0	6.54e-06	-3.25e-06
345	75	4.61e-03	0.41	-0.23	0.0	2.23e-06	-1.67e-06
345	80	8.44e-03	-0.20	-0.27	0.0	4.02e-06	-2.34e-06
345	92	9.36e-03	0.05	-0.27	0.0	4.46e-06	-2.30e-06

345	98	7.41e-03	0.04	-0.22	0.0	3.54e-06	-1.94e-06
345	103	6.24e-03	0.11	-0.21	0.0	2.99e-06	-1.78e-06
345	107	6.86e-03	0.04	-0.21	0.0	3.28e-06	-1.85e-06
345	112	4.60	1.61	-0.21	3.16e-06	2.11e-03	1.04e-04
345	136	2.62	2.93	-0.19	1.90e-06	1.20e-03	-9.60e-05
345	139	-2.60	-2.85	-0.23	-1.89e-06	-1.19e-03	9.23e-05
345	144	5.18	1.81	-0.21	3.56e-06	2.38e-03	1.18e-04
345	168	2.96	3.29	-0.19	2.15e-06	1.36e-03	-1.08e-04
345	171	-2.95	-3.21	-0.23	-2.13e-06	-1.35e-03	1.04e-04
345	176	5.22	1.79	-0.21	3.57e-06	2.40e-03	1.14e-04
345	200	3.04	3.26	-0.19	2.20e-06	1.39e-03	-1.08e-04
345	203	-3.03	-3.18	-0.23	-2.19e-06	-1.39e-03	1.04e-04
345	216	6.18	2.17	-0.20	4.57e-06	2.83e-03	-2.06e-04
345	232	3.65	3.81	-0.18	2.64e-06	1.67e-03	-1.27e-04
345	235	-3.63	-3.73	-0.24	-2.63e-06	-1.66e-03	1.24e-04
346	4	0.02	0.45	-0.58	0.0	9.17e-06	-2.53e-06
346	18	0.01	0.70	-0.52	0.0	6.10e-06	-1.87e-06
346	52	0.02	0.06	-0.57	0.0	1.11e-05	-3.00e-06
346	68	0.01	0.30	-0.41	0.0	6.36e-06	-1.81e-06
346	75	9.11e-03	0.47	-0.37	0.0	4.31e-06	-1.36e-06
346	92	0.02	0.04	-0.40	0.0	7.64e-06	-2.11e-06
346	98	0.01	0.03	-0.33	0.0	6.17e-06	-1.77e-06
346	103	0.01	0.12	-0.32	0.0	5.35e-06	-1.59e-06
346	107	0.01	0.03	-0.31	0.0	5.78e-06	-1.69e-06
346	112	5.74	1.94	-0.39	0.0	2.59e-03	8.67e-05
346	136	3.28	3.54	-0.47	0.0	1.48e-03	-2.27e-05
346	144	6.47	2.18	-0.40	0.0	2.92e-03	9.77e-05
346	168	3.71	3.98	-0.49	0.0	1.67e-03	-2.55e-05
346	176	6.52	2.16	-0.40	0.0	2.95e-03	9.16e-05
346	200	3.82	3.95	-0.49	0.0	1.72e-03	-2.56e-05
346	216	7.80	2.62	-0.41	0.0	3.52e-03	1.18e-04
346	232	4.58	4.61	-0.52	0.0	2.06e-03	-2.94e-05
347	4	0.02	0.48	-0.76	0.0	9.47e-06	-3.26e-06
347	18	0.02	0.76	-0.68	0.0	6.32e-06	-2.33e-06
347	52	0.03	0.04	-0.74	0.0	1.14e-05	-3.93e-06
347	68	0.02	0.32	-0.53	0.0	6.56e-06	-2.32e-06
347	75	0.01	0.51	-0.48	0.0	4.46e-06	-1.70e-06
347	92	0.02	0.03	-0.52	0.0	7.87e-06	-2.76e-06
347	98	0.02	0.02	-0.43	0.0	6.35e-06	-2.30e-06
347	103	0.01	0.12	-0.41	0.0	5.51e-06	-2.04e-06
347	107	0.01	0.02	-0.41	0.0	5.94e-06	-2.19e-06
347	112	6.88	2.27	-0.49	0.0	2.64e-03	-2.51e-04
347	136	3.93	4.15	-0.59	0.0	1.50e-03	-1.60e-04
347	144	7.76	2.55	-0.51	0.0	2.98e-03	-2.82e-04
347	168	4.44	4.67	-0.61	0.0	1.70e-03	-1.81e-04
347	176	7.82	2.53	-0.50	0.0	3.00e-03	-2.79e-04
347	200	4.57	4.64	-0.61	0.0	1.75e-03	-1.83e-04
347	216	9.35	3.07	-0.52	0.0	3.58e-03	-3.63e-04
347	232	5.48	5.42	-0.64	0.0	2.10e-03	-2.17e-04
348	4	0.03	0.50	-0.99	-4.11e-04	7.91e-05	-3.94e-06
348	18	0.02	0.82	-0.88	-3.96e-04	6.92e-05	-2.71e-06
348	52	0.03	0.02	-0.96	-3.75e-04	7.98e-05	-4.84e-06
348	68	0.02	0.33	-0.69	-2.91e-04	5.57e-05	-2.79e-06
348	75	0.01	0.55	-0.62	-2.81e-04	4.91e-05	-1.97e-06
348	92	0.02	0.01	-0.68	-2.67e-04	5.62e-05	-3.40e-06
348	98	0.02	0.01	-0.56	-2.33e-04	4.67e-05	-2.82e-06
348	103	0.02	0.12	-0.54	-2.32e-04	4.44e-05	-2.48e-06
348	107	0.02	0.01	-0.54	-2.24e-04	4.46e-05	-2.68e-06
348	112	8.04	2.59	-0.63	-4.00e-04	1.08e-03	-4.04e-04
348	136	4.59	4.77	-0.74	-6.02e-04	6.40e-04	-2.48e-04
348	144	9.06	2.92	-0.65	-4.22e-04	1.21e-03	-4.55e-04
348	168	5.19	5.37	-0.77	-6.50e-04	7.17e-04	-2.80e-04
348	176	9.13	2.89	-0.64	-4.17e-04	1.22e-03	-4.54e-04
348	200	5.34	5.32	-0.77	-6.44e-04	7.34e-04	-2.86e-04
348	216	10.92	3.51	-0.67	-4.57e-04	1.42e-03	-5.86e-04
348	232	6.40	6.22	-0.80	-7.14e-04	8.69e-04	-3.42e-04
349	4	0.02	0.45	-0.48	0.0	8.31e-06	-2.80e-06
349	18	0.01	0.70	-0.43	0.0	5.53e-06	-2.11e-06
349	52	0.02	0.06	-0.47	0.0	1.00e-05	-3.26e-06
349	68	0.01	0.30	-0.34	0.0	5.75e-06	-1.99e-06
349	75	8.43e-03	0.47	-0.30	0.0	3.90e-06	-1.53e-06
349	92	0.02	0.04	-0.33	0.0	6.91e-06	-2.30e-06
349	98	0.01	0.04	-0.28	0.0	5.57e-06	-1.93e-06
349	103	0.01	0.12	-0.26	0.0	4.83e-06	-1.74e-06
349	107	0.01	0.03	-0.26	0.0	5.21e-06	-1.84e-06

349	112	5.71	1.94	-0.30	0.0	2.44e-03	1.01e-04
349	136	3.26	3.54	-0.35	0.0	1.39e-03	-2.03e-05
349	144	6.43	2.18	-0.31	0.0	2.75e-03	1.13e-04
349	168	3.69	3.98	-0.36	0.0	1.57e-03	-2.27e-05
349	176	6.48	2.16	-0.31	0.0	2.77e-03	1.08e-04
349	200	3.79	3.95	-0.36	0.0	1.61e-03	-2.24e-05
349	216	7.74	2.62	-0.31	0.0	3.29e-03	1.46e-04
349	232	4.54	4.61	-0.37	0.0	1.93e-03	-2.54e-05
350	4	0.02	0.48	-0.64	0.0	8.48e-06	-3.56e-06
350	18	0.01	0.76	-0.56	0.0	5.65e-06	-2.61e-06
350	52	0.03	0.05	-0.63	0.0	1.02e-05	-4.20e-06
350	68	0.02	0.32	-0.45	0.0	5.87e-06	-2.53e-06
350	75	0.01	0.51	-0.40	0.0	3.98e-06	-1.90e-06
350	92	0.02	0.03	-0.44	0.0	7.04e-06	-2.95e-06
350	98	0.01	0.03	-0.36	0.0	5.68e-06	-2.46e-06
350	103	0.01	0.12	-0.35	0.0	4.92e-06	-2.20e-06
350	107	0.01	0.03	-0.35	0.0	5.31e-06	-2.34e-06
350	112	6.78	2.27	-0.39	0.0	2.47e-03	-2.65e-04
350	136	3.87	4.16	-0.44	0.0	1.40e-03	-1.69e-04
350	144	7.64	2.55	-0.40	0.0	2.78e-03	-2.98e-04
350	168	4.37	4.68	-0.46	0.0	1.59e-03	-1.90e-04
350	176	7.70	2.53	-0.40	0.0	2.80e-03	-2.95e-04
350	200	4.50	4.64	-0.45	0.0	1.63e-03	-1.92e-04
350	216	9.18	3.07	-0.41	0.0	3.33e-03	-3.85e-04
350	232	5.39	5.42	-0.47	0.0	1.96e-03	-2.29e-04
351	4	0.03	0.50	-0.92	-2.13e-04	8.02e-05	-4.21e-06
351	18	0.02	0.82	-0.81	-2.14e-04	7.02e-05	-2.97e-06
351	52	0.03	0.02	-0.90	-1.86e-04	8.08e-05	-5.08e-06
351	68	0.02	0.34	-0.64	-1.52e-04	5.65e-05	-2.97e-06
351	75	0.01	0.55	-0.57	-1.52e-04	4.99e-05	-2.14e-06
351	92	0.02	0.02	-0.63	-1.34e-04	5.69e-05	-3.55e-06
351	98	0.02	0.01	-0.52	-1.19e-04	4.73e-05	-2.93e-06
351	103	0.01	0.12	-0.50	-1.21e-04	4.50e-05	-2.59e-06
351	107	0.02	0.01	-0.50	-1.15e-04	4.52e-05	-2.78e-06
351	112	7.85	2.59	-0.55	-2.37e-04	1.11e-03	-4.07e-04
351	136	4.48	4.77	-0.61	-3.78e-04	6.59e-04	-2.50e-04
351	144	8.85	2.92	-0.56	-2.53e-04	1.25e-03	-4.59e-04
351	168	5.06	5.37	-0.62	-4.11e-04	7.39e-04	-2.83e-04
351	176	8.92	2.89	-0.55	-2.50e-04	1.25e-03	-4.58e-04
351	200	5.21	5.33	-0.62	-4.07e-04	7.55e-04	-2.88e-04
351	216	10.63	3.51	-0.57	-2.77e-04	1.46e-03	-5.92e-04
351	232	6.25	6.22	-0.64	-4.56e-04	8.94e-04	-3.45e-04
352	4	0.02	0.45	-0.45	0.0	7.50e-06	-3.19e-06
352	18	0.01	0.70	-0.40	0.0	5.00e-06	-2.45e-06
352	52	0.02	0.07	-0.45	0.0	9.04e-06	-3.64e-06
352	68	0.01	0.30	-0.32	0.0	5.19e-06	-2.27e-06
352	75	7.62e-03	0.47	-0.28	0.0	3.52e-06	-1.78e-06
352	92	0.01	0.05	-0.31	0.0	6.22e-06	-2.57e-06
352	98	0.01	0.04	-0.26	0.0	5.01e-06	-2.16e-06
352	103	9.73e-03	0.12	-0.25	0.0	4.34e-06	-1.96e-06
352	107	0.01	0.04	-0.25	0.0	4.68e-06	-2.06e-06
352	112	5.66	1.94	-0.27	0.0	2.30e-03	1.23e-04
352	132	3.31	3.54	-0.29	0.0	1.34e-03	-2.19e-05
352	136	3.23	3.54	-0.29	0.0	1.31e-03	-1.12e-04
352	144	6.38	2.18	-0.27	0.0	2.59e-03	1.38e-04
352	164	3.73	3.98	-0.29	0.0	1.52e-03	-2.46e-05
352	168	3.65	3.99	-0.29	0.0	1.48e-03	-1.26e-04
352	176	6.42	2.16	-0.27	0.0	2.61e-03	1.34e-04
352	200	3.75	3.95	-0.29	0.0	1.52e-03	-1.26e-04
352	216	7.65	2.62	-0.27	0.0	3.10e-03	-2.39e-04
352	232	4.50	4.61	-0.30	0.0	1.82e-03	-1.49e-04
353	4	0.02	0.49	-0.60	0.0	7.82e-06	-4.03e-06
353	18	0.01	0.77	-0.53	0.0	5.29e-06	-3.07e-06
353	52	0.02	0.05	-0.60	0.0	9.34e-06	-4.63e-06
353	68	0.01	0.33	-0.42	0.0	5.41e-06	-2.86e-06
353	75	9.19e-03	0.51	-0.37	0.0	3.73e-06	-2.22e-06
353	92	0.02	0.04	-0.42	0.0	6.43e-06	-3.26e-06
353	98	0.01	0.03	-0.35	0.0	5.19e-06	-2.72e-06
353	103	0.01	0.12	-0.33	0.0	4.52e-06	-2.47e-06
353	107	0.01	0.03	-0.33	0.0	4.86e-06	-2.60e-06
353	112	6.66	2.27	-0.35	0.0	2.32e-03	-2.83e-04
353	132	3.89	4.16	-0.37	0.0	1.35e-03	-1.74e-04
353	136	3.80	4.16	-0.37	0.0	1.31e-03	-1.79e-04
353	144	7.51	2.55	-0.35	0.0	2.61e-03	-3.19e-04
353	164	4.39	4.67	-0.38	0.0	1.52e-03	-1.97e-04

353	168	4.29	4.68	-0.38	0.0	1.49e-03	-2.02e-04
353	176	7.56	2.53	-0.35	0.0	2.63e-03	-3.17e-04
353	200	4.42	4.64	-0.38	0.0	1.53e-03	-2.05e-04
353	216	9.00	3.07	-0.36	0.0	3.12e-03	-4.14e-04
353	232	5.29	5.42	-0.39	0.0	1.83e-03	-2.45e-04
354	4	0.02	0.50	-0.88	-5.06e-05	8.09e-05	-4.83e-06
354	18	0.02	0.82	-0.77	-6.57e-05	7.10e-05	-3.62e-06
354	52	0.03	0.02	-0.88	-2.99e-05	8.16e-05	-5.58e-06
354	68	0.02	0.34	-0.62	-3.70e-05	5.70e-05	-3.41e-06
354	75	0.01	0.55	-0.54	-4.71e-05	5.04e-05	-2.61e-06
354	92	0.02	0.02	-0.61	-2.32e-05	5.74e-05	-3.92e-06
354	98	0.02	0.01	-0.51	-2.49e-05	4.77e-05	-3.26e-06
354	103	0.01	0.12	-0.48	-2.98e-05	4.54e-05	-2.93e-06
354	107	0.01	0.01	-0.48	-2.51e-05	4.56e-05	-3.10e-06
354	112	7.67	2.59	-0.50	-1.13e-04	1.13e-03	-4.12e-04
354	132	4.48	4.76	-0.53	-2.14e-04	6.90e-04	-2.49e-04
354	136	4.37	4.77	-0.53	-2.14e-04	6.67e-04	-2.54e-04
354	144	8.64	2.92	-0.51	-1.24e-04	1.26e-03	-4.65e-04
354	164	5.06	5.36	-0.54	-2.37e-04	7.72e-04	-2.80e-04
354	168	4.94	5.37	-0.54	-2.38e-04	7.48e-04	-2.86e-04
354	176	8.71	2.89	-0.51	-1.22e-04	1.27e-03	-4.64e-04
354	200	5.08	5.33	-0.54	-2.35e-04	7.64e-04	-2.92e-04
354	216	10.35	3.51	-0.51	-1.41e-04	1.46e-03	-6.00e-04
354	232	6.09	6.22	-0.55	-2.70e-04	9.03e-04	-3.50e-04
355	4	0.02	0.45	-0.46	0.0	6.47e-06	-3.60e-06
355	18	9.53e-03	0.70	-0.40	0.0	4.19e-06	-2.83e-06
355	52	0.02	0.07	-0.46	0.0	7.88e-06	-4.05e-06
355	68	0.01	0.31	-0.32	0.0	4.46e-06	-2.56e-06
355	75	6.67e-03	0.47	-0.28	0.0	2.94e-06	-2.05e-06
355	92	0.01	0.05	-0.32	0.0	5.40e-06	-2.86e-06
355	98	0.01	0.04	-0.26	0.0	4.33e-06	-2.41e-06
355	103	8.70e-03	0.12	-0.25	0.0	3.72e-06	-2.20e-06
355	107	9.49e-03	0.04	-0.25	0.0	4.04e-06	-2.30e-06
355	112	5.59	1.94	-0.26	0.0	2.19e-03	-1.94e-04
355	132	3.27	3.54	-0.26	0.0	1.28e-03	-1.23e-04
355	136	3.18	3.55	-0.26	0.0	1.24e-03	-1.28e-04
355	144	6.30	2.18	-0.26	0.0	2.46e-03	-2.18e-04
355	164	3.69	3.98	-0.26	0.0	1.44e-03	-1.39e-04
355	168	3.60	3.99	-0.26	0.0	1.40e-03	-1.44e-04
355	176	6.34	2.17	-0.26	0.0	2.48e-03	-2.14e-04
355	196	3.74	3.94	-0.26	0.0	1.46e-03	-1.38e-04
355	200	3.70	3.96	-0.26	0.0	1.44e-03	-1.45e-04
355	216	7.53	2.62	-0.26	0.0	2.93e-03	-2.85e-04
355	228	4.42	4.59	-0.26	0.0	1.73e-03	-1.62e-04
355	232	4.44	4.62	-0.26	0.0	1.73e-03	-1.72e-04
356	4	0.02	0.49	-0.61	0.0	6.60e-06	-4.62e-06
356	18	0.01	0.77	-0.53	0.0	4.31e-06	-3.63e-06
356	52	0.02	0.06	-0.61	0.0	8.03e-06	-5.18e-06
356	68	0.01	0.33	-0.43	0.0	4.56e-06	-3.28e-06
356	75	7.99e-03	0.52	-0.37	0.0	3.03e-06	-2.62e-06
356	92	0.02	0.04	-0.42	0.0	5.51e-06	-3.65e-06
356	98	0.01	0.03	-0.35	0.0	4.43e-06	-3.07e-06
356	103	0.01	0.13	-0.33	0.0	3.81e-06	-2.80e-06
356	107	0.01	0.03	-0.33	0.0	4.13e-06	-2.93e-06
356	112	6.53	2.27	-0.34	0.0	2.18e-03	-3.02e-04
356	132	3.82	4.16	-0.34	0.0	1.27e-03	-1.85e-04
356	136	3.72	4.16	-0.34	0.0	1.24e-03	-1.90e-04
356	144	7.37	2.56	-0.34	0.0	2.46e-03	-3.40e-04
356	164	4.31	4.68	-0.34	0.0	1.44e-03	-2.09e-04
356	168	4.21	4.68	-0.34	0.0	1.40e-03	-2.15e-04
356	176	7.42	2.54	-0.34	0.0	2.48e-03	-3.38e-04
356	196	4.37	4.63	-0.34	0.0	1.45e-03	-2.09e-04
356	200	4.33	4.65	-0.34	0.0	1.44e-03	-2.18e-04
356	216	8.80	3.07	-0.34	0.0	2.92e-03	-4.43e-04
356	228	5.17	5.39	-0.34	0.0	1.72e-03	-2.46e-04
356	232	5.18	5.43	-0.34	0.0	1.72e-03	-2.60e-04
357	4	0.02	0.50	-0.90	1.02e-04	8.23e-05	-5.66e-06
357	18	0.01	0.82	-0.78	7.12e-05	7.23e-05	-4.46e-06
357	52	0.03	0.02	-0.89	1.19e-04	8.28e-05	-6.32e-06
357	68	0.01	0.34	-0.63	7.05e-05	5.80e-05	-4.02e-06
357	75	9.32e-03	0.55	-0.54	4.98e-05	5.14e-05	-3.22e-06
357	92	0.02	0.02	-0.62	8.18e-05	5.84e-05	-4.45e-06
357	98	0.01	0.01	-0.51	6.38e-05	4.85e-05	-3.73e-06
357	103	0.01	0.12	-0.49	5.56e-05	4.63e-05	-3.42e-06
357	107	0.01	0.01	-0.49	5.94e-05	4.64e-05	-3.56e-06

357	112	7.48	2.59	-0.49	4.41e-05	1.13e-03	-4.19e-04
357	132	4.37	4.77	-0.50	-7.19e-05	6.95e-04	-2.52e-04
357	136	4.25	4.77	-0.50	-8.81e-05	6.70e-04	-2.58e-04
357	144	8.43	2.92	-0.49	4.22e-05	1.27e-03	-4.71e-04
357	164	4.93	5.36	-0.50	-8.84e-05	7.78e-04	-2.84e-04
357	168	4.81	5.37	-0.50	-1.07e-04	7.51e-04	-2.91e-04
357	176	8.49	2.89	-0.49	4.15e-05	1.28e-03	-4.71e-04
357	196	5.00	5.31	-0.50	-8.68e-05	7.84e-04	-2.86e-04
357	200	4.95	5.33	-0.50	-1.04e-04	7.66e-04	-2.97e-04
357	216	10.06	3.51	-0.49	-3.07e-05	1.46e-03	-6.10e-04
357	228	5.92	6.18	-0.50	-1.11e-04	9.17e-04	-3.38e-04
357	232	5.93	6.22	-0.50	-1.32e-04	9.05e-04	-3.55e-04
358	18	8.01e-03	0.70	-0.42	0.0	3.29e-06	-3.15e-06
358	28	0.01	-0.35	-0.50	0.0	5.97e-06	-4.43e-06
358	52	0.02	0.07	-0.49	0.0	6.63e-06	-4.40e-06
358	75	5.57e-03	0.47	-0.30	0.0	2.30e-06	-2.28e-06
358	80	0.01	-0.23	-0.35	0.0	4.08e-06	-3.13e-06
358	92	0.01	0.05	-0.35	0.0	4.52e-06	-3.11e-06
358	98	8.94e-03	0.04	-0.28	0.0	3.59e-06	-2.62e-06
358	103	7.53e-03	0.12	-0.27	0.0	3.04e-06	-2.40e-06
358	107	8.28e-03	0.04	-0.27	0.0	3.33e-06	-2.50e-06
358	112	5.50	1.95	-0.27	3.42e-06	2.08e-03	-2.17e-04
358	136	3.13	3.55	-0.24	2.02e-06	1.18e-03	-1.41e-04
358	139	-3.12	-3.47	-0.29	-2.01e-06	-1.17e-03	1.36e-04
358	144	6.20	2.19	-0.27	3.86e-06	2.35e-03	-2.44e-04
358	168	3.54	3.99	-0.24	2.28e-06	1.33e-03	-1.59e-04
358	171	-3.53	-3.91	-0.30	-2.27e-06	-1.33e-03	1.54e-04
358	176	6.25	2.17	-0.27	3.87e-06	2.37e-03	-2.42e-04
358	200	3.64	3.96	-0.24	2.35e-06	1.37e-03	-1.61e-04
358	203	-3.62	-3.88	-0.30	-2.34e-06	-1.37e-03	1.56e-04
358	216	7.39	2.63	-0.25	4.88e-06	2.79e-03	-3.21e-04
358	232	4.36	4.62	-0.24	2.82e-06	1.64e-03	-1.91e-04
358	235	-4.35	-4.54	-0.30	-2.80e-06	-1.64e-03	1.86e-04
359	18	9.45e-03	0.78	-0.57	0.0	3.49e-06	-4.17e-06
359	28	0.02	-0.40	-0.66	0.0	6.16e-06	-5.72e-06
359	52	0.02	0.06	-0.66	0.0	6.83e-06	-5.72e-06
359	75	6.58e-03	0.52	-0.40	0.0	2.44e-06	-3.00e-06
359	80	0.01	-0.26	-0.46	0.0	4.22e-06	-4.04e-06
359	92	0.01	0.04	-0.46	0.0	4.66e-06	-4.04e-06
359	98	0.01	0.04	-0.38	0.0	3.72e-06	-3.41e-06
359	103	8.86e-03	0.13	-0.36	0.0	3.17e-06	-3.14e-06
359	107	9.73e-03	0.03	-0.36	0.0	3.45e-06	-3.26e-06
359	112	6.40	2.28	-0.36	3.04e-06	2.07e-03	-3.17e-04
359	136	3.64	4.17	-0.33	0.0	1.17e-03	-1.99e-04
359	139	-3.62	-4.10	-0.39	0.0	-1.16e-03	1.93e-04
359	144	7.21	2.56	-0.36	3.43e-06	2.33e-03	-3.57e-04
359	168	4.11	4.69	-0.33	1.32e-03	2.32e-03	-2.25e-04
359	171	-4.10	-4.62	-0.39	0.0	-1.31e-03	2.18e-04
359	176	7.26	2.54	-0.36	3.42e-06	2.35e-03	-3.56e-04
359	200	4.23	4.65	-0.33	0.0	1.36e-03	-2.29e-04
359	203	-4.21	-4.58	-0.39	0.0	-1.35e-03	2.22e-04
359	216	8.59	3.08	-0.34	-3.22e-06	2.75e-03	-4.66e-04
359	232	5.07	5.43	-0.32	0.0	1.63e-03	-2.73e-04
359	235	-5.05	-5.36	-0.40	0.0	-1.62e-03	2.66e-04
360	18	0.01	0.82	-0.83	2.11e-04	7.42e-05	-5.45e-06
360	28	0.02	-0.47	-0.97	2.91e-04	8.41e-05	-7.34e-06
360	52	0.02	0.03	-0.97	2.77e-04	8.47e-05	-7.39e-06
360	75	7.74e-03	0.55	-0.58	1.49e-04	5.27e-05	-3.93e-06
360	80	0.01	-0.31	-0.68	2.02e-04	5.93e-05	-5.19e-06
360	92	0.02	0.02	-0.68	1.92e-04	5.97e-05	-5.22e-06
360	98	0.01	0.01	-0.56	1.56e-04	4.98e-05	-4.40e-06
360	103	0.01	0.12	-0.53	1.44e-04	4.75e-05	-4.07e-06
360	107	0.01	0.01	-0.53	1.48e-04	4.76e-05	-4.21e-06
360	112	7.29	2.59	-0.53	1.33e-04	1.13e-03	-4.24e-04
360	133	-0.28	-3.98	-0.56	2.79e-04	-1.56e-05	2.03e-05
360	136	4.14	4.77	-0.50	1.63e-05	6.69e-04	-2.61e-04
360	144	8.21	2.92	-0.52	1.32e-04	1.27e-03	-4.77e-04
360	165	-0.33	-4.48	-0.56	2.95e-04	-2.41e-05	2.39e-05
360	168	4.68	5.37	-0.49	0.0	7.50e-04	-2.95e-04
360	176	8.27	2.89	-0.52	1.31e-04	1.28e-03	-4.77e-04
360	200	4.81	5.33	-0.49	1.83e-06	7.64e-04	-3.01e-04
360	203	-4.79	-5.30	-0.56	2.93e-04	-6.69e-04	2.92e-04
360	216	9.77	3.51	-0.51	6.86e-05	1.44e-03	-6.18e-04
360	232	5.77	6.22	-0.49	-2.22e-05	9.03e-04	-3.60e-04
360	235	-5.75	-6.20	-0.57	3.17e-04	-8.07e-04	3.51e-04

361	1	0.0	0.0	0.0	0.0	-3.81e-06	0.0
361	65	0.0	0.0	0.0	0.0	-2.83e-06	0.0
361	97	0.0	0.0	0.0	0.0	-2.31e-06	0.0
361	106	0.0	0.0	0.0	0.0	-2.31e-06	0.0
361	108	0.0	0.0	0.0	0.0	1.46e-03	-3.39e-06
361	140	0.0	0.0	0.0	0.0	1.65e-03	-3.83e-06
361	172	0.0	0.0	0.0	0.0	1.65e-03	-3.82e-06
361	204	0.0	0.0	0.0	0.0	1.95e-03	-4.51e-06
362	4	-2.13e-03	0.01	-0.19	0.0	-3.78e-06	1.33e-06
362	16	-2.49e-03	0.09	-0.12	0.0	-4.55e-06	1.01e-06
362	44	-2.13e-03	-0.17	-0.13	0.0	-3.85e-06	1.15e-06
362	68	-1.58e-03	7.11e-03	-0.13	0.0	-2.81e-06	0.0
362	73	-1.82e-03	0.06	-0.09	0.0	-3.33e-06	0.0
362	88	-1.58e-03	-0.12	-0.09	0.0	-2.86e-06	0.0
362	98	-1.22e-03	-0.03	-0.10	0.0	-2.17e-06	0.0
362	102	-1.35e-03	-6.51e-03	-0.07	0.0	-2.46e-06	0.0
362	105	-1.28e-03	-0.05	-0.09	0.0	-2.29e-06	0.0
362	106	-1.26e-03	-0.02	-0.07	0.0	-2.29e-06	0.0
362	107	-1.22e-03	-0.03	-0.10	0.0	-2.19e-06	0.0
362	115	-0.95	-0.43	-0.04	0.0	-1.80e-03	7.26e-05
362	124	-0.04	0.66	-0.18	0.0	-7.19e-05	3.81e-06
362	139	-0.54	-0.76	-0.01	0.0	-1.01e-03	4.39e-05
362	147	-1.07	-0.48	-0.04	0.0	-2.03e-03	8.18e-05
362	156	-0.04	0.75	-0.19	0.0	-8.19e-05	4.29e-06
362	171	-0.61	-0.86	-3.92e-03	0.0	-1.15e-03	4.95e-05
362	179	-1.08	-0.47	-0.04	0.0	-2.04e-03	8.19e-05
362	196	0.64	0.78	-0.19	0.0	1.20e-03	-4.78e-05
362	203	-0.62	-0.85	-4.59e-03	0.0	-1.17e-03	5.07e-05
362	211	-1.27	-0.55	-0.03	0.0	-2.41e-03	9.64e-05
362	232	0.74	0.92	-0.21	0.0	1.40e-03	-5.92e-05
362	235	-0.74	-0.99	0.01	0.0	-1.40e-03	6.07e-05
363	16	-2.01e-03	0.09	-0.08	0.0	-3.81e-06	1.01e-06
363	28	-1.36e-03	-0.13	-0.15	0.0	-2.57e-06	1.26e-06
363	44	-1.59e-03	-0.17	-0.13	0.0	-3.02e-06	1.15e-06
363	73	-1.47e-03	0.06	-0.06	0.0	-2.79e-06	0.0
363	80	-1.04e-03	-0.09	-0.11	0.0	-1.96e-06	0.0
363	88	-1.19e-03	-0.12	-0.09	0.0	-2.26e-06	0.0
363	98	-8.58e-04	-0.03	-0.09	0.0	-1.62e-06	0.0
363	102	-1.06e-03	-6.45e-03	-0.06	0.0	-2.02e-06	0.0
363	105	-9.26e-04	-0.05	-0.08	0.0	-1.75e-06	0.0
363	106	-9.79e-04	-0.02	-0.06	0.0	-1.86e-06	0.0
363	107	-8.75e-04	-0.03	-0.08	0.0	-1.66e-06	0.0
363	115	-0.92	-0.43	-0.09	9.55e-06	-1.75e-03	7.23e-05
363	133	-0.04	-0.65	-0.13	0.0	-8.40e-05	4.31e-06
363	139	-0.52	-0.76	-0.12	5.71e-06	-9.81e-04	4.37e-05
363	147	-1.04	-0.48	-0.09	1.08e-05	-1.97e-03	8.14e-05
363	165	-0.05	-0.73	-0.13	0.0	-9.55e-05	4.85e-06
363	171	-0.58	-0.86	-0.13	6.46e-06	-1.11e-03	4.93e-05
363	179	-1.04	-0.47	-0.09	1.08e-05	-1.98e-03	8.16e-05
363	197	-0.05	-0.72	-0.13	0.0	-1.01e-04	5.27e-06
363	203	-0.60	-0.85	-0.13	6.62e-06	-1.13e-03	5.05e-05
363	211	-1.23	-0.55	-0.09	1.27e-05	-2.33e-03	9.59e-05
363	229	-0.06	-0.83	-0.14	0.0	-1.22e-04	6.47e-06
363	235	-0.71	-0.99	-0.13	7.95e-06	-1.36e-03	6.04e-05
364	1	0.0	0.0	0.0	0.0	-3.13e-06	0.0
364	65	0.0	0.0	0.0	0.0	-2.33e-06	0.0
364	97	0.0	0.0	0.0	0.0	-1.86e-06	0.0
364	106	0.0	0.0	0.0	0.0	-1.86e-06	0.0
364	108	0.0	0.0	0.0	-7.43e-06	1.42e-03	-3.43e-06
364	140	0.0	0.0	0.0	-8.37e-06	1.60e-03	-3.88e-06
364	172	0.0	0.0	0.0	-8.35e-06	1.60e-03	-3.87e-06
364	204	0.0	0.0	0.0	-9.81e-06	1.89e-03	-4.56e-06
365	4	-4.18e-03	0.05	-0.38	0.0	-3.58e-06	2.46e-06
365	16	-4.93e-03	0.19	-0.24	0.0	-4.43e-06	1.91e-06
365	44	-4.21e-03	-0.33	-0.28	0.0	-3.73e-06	2.15e-06
365	68	-3.10e-03	0.03	-0.27	0.0	-2.68e-06	1.76e-06
365	73	-3.61e-03	0.12	-0.17	0.0	-3.24e-06	1.39e-06
365	88	-3.13e-03	-0.23	-0.20	0.0	-2.78e-06	1.55e-06
365	98	-2.40e-03	-0.06	-0.21	0.0	-2.06e-06	1.42e-06
365	102	-2.67e-03	-4.76e-03	-0.14	0.0	-2.39e-06	1.15e-06
365	105	-2.52e-03	-0.09	-0.20	0.0	-2.19e-06	1.39e-06
365	106	-2.49e-03	-0.04	-0.14	0.0	-2.23e-06	1.11e-06
365	107	-2.41e-03	-0.05	-0.20	0.0	-2.09e-06	1.38e-06
365	115	-1.90	-0.85	-0.12	0.0	-1.79e-03	1.50e-04
365	124	-0.08	1.35	-0.33	0.0	-7.22e-05	7.55e-06

365	139	-1.07	-1.53	-0.08	0.0	-1.01e-03	9.01e-05
365	147	-2.14	-0.95	-0.10	0.0	-2.02e-03	1.69e-04
365	156	-0.09	1.53	-0.34	0.0	-8.21e-05	8.51e-06
365	171	-1.21	-1.72	-0.06	0.0	-1.14e-03	1.02e-04
365	179	-2.15	-0.94	-0.10	0.0	-2.03e-03	1.69e-04
365	188	-0.09	1.50	-0.34	0.0	-8.78e-05	9.37e-06
365	203	-1.24	-1.70	-0.06	0.0	-1.17e-03	1.04e-04
365	211	-2.54	-1.09	-0.09	0.0	-2.39e-03	1.99e-04
365	224	-0.14	1.76	-0.36	0.0	-1.31e-04	6.59e-06
365	235	-1.48	-1.98	-0.04	0.0	-1.40e-03	1.25e-04
366	16	-4.02e-03	0.19	-0.17	0.0	-3.79e-06	1.91e-06
366	28	-2.72e-03	-0.25	-0.31	0.0	-2.56e-06	2.32e-06
366	44	-3.19e-03	-0.33	-0.27	0.0	-3.02e-06	2.15e-06
366	73	-2.94e-03	0.12	-0.12	0.0	-2.78e-06	1.39e-06
366	80	-2.08e-03	-0.17	-0.21	0.0	-1.96e-06	1.67e-06
366	88	-2.39e-03	-0.23	-0.19	0.0	-2.26e-06	1.55e-06
366	98	-1.72e-03	-0.06	-0.18	0.0	-1.61e-06	1.42e-06
366	102	-2.13e-03	-4.69e-03	-0.12	0.0	-2.01e-06	1.15e-06
366	105	-1.86e-03	-0.09	-0.17	0.0	-1.74e-06	1.39e-06
366	106	-1.96e-03	-0.04	-0.12	0.0	-1.85e-06	1.11e-06
366	107	-1.75e-03	-0.05	-0.17	0.0	-1.64e-06	1.38e-06
366	115	-1.83	-0.85	-0.18	1.00e-05	-1.73e-03	1.49e-04
366	133	-0.09	-1.30	-0.25	0.0	-8.36e-05	8.58e-06
366	139	-1.03	-1.53	-0.24	5.97e-06	-9.75e-04	8.98e-05
366	147	-2.07	-0.95	-0.18	1.13e-05	-1.95e-03	1.68e-04
366	165	-0.10	-1.45	-0.26	0.0	-9.51e-05	9.67e-06
366	171	-1.16	-1.72	-0.25	6.76e-06	-1.10e-03	1.01e-04
366	179	-2.08	-0.94	-0.18	1.14e-05	-1.96e-03	1.68e-04
366	197	-0.11	-1.44	-0.26	0.0	-1.01e-04	1.06e-05
366	203	-1.19	-1.70	-0.25	6.94e-06	-1.13e-03	1.04e-04
366	211	-2.45	-1.09	-0.18	1.34e-05	-2.31e-03	1.98e-04
366	229	-0.13	-1.66	-0.27	0.0	-1.22e-04	1.30e-05
366	235	-1.42	-1.98	-0.26	8.32e-06	-1.35e-03	1.24e-04
367	4	-6.08e-03	0.10	-0.58	0.0	-3.22e-06	3.36e-06
367	16	-7.29e-03	0.30	-0.36	0.0	-4.21e-06	2.68e-06
367	44	-6.21e-03	-0.48	-0.45	0.0	-3.49e-06	3.00e-06
367	68	-4.53e-03	0.07	-0.41	0.0	-2.42e-06	2.41e-06
367	73	-5.33e-03	0.20	-0.26	0.0	-3.09e-06	1.96e-06
367	88	-4.62e-03	-0.32	-0.32	0.0	-2.60e-06	2.17e-06
367	98	-3.50e-03	-0.07	-0.33	0.0	-1.87e-06	1.96e-06
367	102	-3.95e-03	4.27e-03	-0.22	0.0	-2.26e-06	1.62e-06
367	105	-3.69e-03	-0.12	-0.31	0.0	-2.01e-06	1.92e-06
367	106	-3.68e-03	-0.05	-0.21	0.0	-2.10e-06	1.57e-06
367	107	-3.52e-03	-0.07	-0.31	0.0	-1.90e-06	1.91e-06
367	115	-2.84	-1.27	-0.21	0.0	-1.77e-03	2.28e-04
367	124	-0.11	2.05	-0.44	0.0	-7.20e-05	1.10e-05
367	139	-1.60	-2.29	-0.19	0.0	-1.00e-03	1.37e-04
367	147	-3.20	-1.42	-0.20	0.0	-2.00e-03	2.57e-04
367	156	-0.13	2.32	-0.46	0.0	-8.20e-05	1.25e-05
367	171	-1.81	-2.57	-0.17	0.0	-1.13e-03	1.55e-04
367	179	-3.21	-1.41	-0.20	0.0	-2.01e-03	2.58e-04
367	188	-0.14	2.27	-0.46	0.0	-8.77e-05	1.38e-05
367	203	-1.85	-2.55	-0.17	0.0	-1.16e-03	1.58e-04
367	211	-3.79	-1.63	-0.18	0.0	-2.37e-03	3.03e-04
367	220	-0.17	2.65	-0.48	0.0	-1.07e-04	1.71e-05
367	235	-2.21	-2.97	-0.15	0.0	-1.38e-03	1.90e-04
368	16	-6.01e-03	0.30	-0.26	0.0	-3.73e-06	2.67e-06
368	28	-4.07e-03	-0.34	-0.47	0.0	-2.49e-06	3.19e-06
368	44	-4.78e-03	-0.48	-0.41	0.0	-2.98e-06	2.99e-06
368	73	-4.40e-03	0.20	-0.19	0.0	-2.73e-06	1.95e-06
368	80	-3.11e-03	-0.23	-0.33	0.0	-1.91e-06	2.30e-06
368	88	-3.58e-03	-0.32	-0.29	0.0	-2.23e-06	2.16e-06
368	98	-2.56e-03	-0.07	-0.27	0.0	-1.56e-06	1.95e-06
368	102	-3.18e-03	4.42e-03	-0.18	0.0	-1.98e-06	1.61e-06
368	105	-2.77e-03	-0.12	-0.26	0.0	-1.70e-06	1.92e-06
368	106	-2.93e-03	-0.04	-0.18	0.0	-1.83e-06	1.56e-06
368	107	-2.61e-03	-0.07	-0.26	0.0	-1.60e-06	1.90e-06
368	115	-2.74	-1.27	-0.27	1.03e-05	-1.71e-03	2.28e-04
368	133	-0.13	-1.93	-0.37	0.0	-8.29e-05	1.26e-05
368	139	-1.54	-2.29	-0.36	6.09e-06	-9.65e-04	1.36e-04
368	147	-3.08	-1.42	-0.27	1.16e-05	-1.93e-03	2.56e-04
368	165	-0.15	-2.17	-0.39	0.0	-9.43e-05	1.42e-05
368	171	-1.74	-2.57	-0.38	6.89e-06	-1.09e-03	1.54e-04
368	179	-3.10	-1.41	-0.27	1.17e-05	-1.94e-03	2.57e-04
368	197	-0.16	-2.15	-0.39	0.0	-9.99e-05	1.56e-05

368	203	-1.78	-2.55	-0.37	7.09e-06	-1.12e-03	1.58e-04
368	211	-3.65	-1.63	-0.28	1.37e-05	-2.28e-03	3.03e-04
368	229	-0.19	-2.49	-0.41	0.0	-1.21e-04	1.93e-05
368	235	-2.13	-2.97	-0.39	8.51e-06	-1.33e-03	1.89e-04
369	4	-7.77e-03	0.18	-0.81	0.0	-2.53e-06	4.04e-06
369	16	-9.52e-03	0.43	-0.48	0.0	-3.78e-06	3.31e-06
369	44	-8.08e-03	-0.61	-0.65	0.0	-2.95e-06	3.68e-06
369	68	-5.80e-03	0.11	-0.57	0.0	-1.94e-06	2.91e-06
369	73	-6.97e-03	0.28	-0.35	0.0	-2.77e-06	2.42e-06
369	88	-6.01e-03	-0.41	-0.46	0.0	-2.22e-06	2.67e-06
369	98	-4.48e-03	-0.07	-0.46	0.0	-1.47e-06	2.37e-06
369	102	-5.16e-03	0.02	-0.30	0.0	-1.98e-06	2.00e-06
369	105	-4.76e-03	-0.13	-0.43	0.0	-1.64e-06	2.34e-06
369	106	-4.80e-03	-0.05	-0.30	0.0	-1.83e-06	1.94e-06
369	107	-4.53e-03	-0.07	-0.44	0.0	-1.52e-06	2.31e-06
369	115	-3.76	-1.67	-0.34	0.0	-1.75e-03	3.09e-04
369	124	-0.15	2.76	-0.55	0.0	-7.11e-05	1.44e-05
369	139	-2.12	-3.03	-0.34	0.0	-9.88e-04	1.85e-04
369	147	-4.24	-1.87	-0.33	0.0	-1.97e-03	3.48e-04
369	156	-0.17	3.11	-0.56	0.0	-8.10e-05	1.63e-05
369	171	-2.40	-3.41	-0.32	0.0	-1.12e-03	2.09e-04
369	179	-4.27	-1.86	-0.33	0.0	-1.98e-03	3.50e-04
369	188	-0.18	3.05	-0.56	0.0	-8.67e-05	1.81e-05
369	203	-2.46	-3.38	-0.33	0.0	-1.14e-03	2.14e-04
369	211	-5.03	-2.16	-0.31	0.0	-2.34e-03	4.12e-04
369	220	-0.22	3.55	-0.58	0.0	-1.06e-04	2.26e-05
369	235	-2.94	-3.94	-0.31	0.0	-1.37e-03	2.57e-04
370	16	-7.94e-03	0.43	-0.36	0.0	-3.70e-06	3.29e-06
370	28	-5.33e-03	-0.42	-0.66	0.0	-2.45e-06	3.84e-06
370	44	-6.31e-03	-0.61	-0.58	0.0	-2.98e-06	3.65e-06
370	73	-5.81e-03	0.28	-0.26	0.0	-2.71e-06	2.41e-06
370	80	-4.07e-03	-0.28	-0.46	0.0	-1.88e-06	2.77e-06
370	88	-4.72e-03	-0.41	-0.41	0.0	-2.23e-06	2.65e-06
370	98	-3.35e-03	-0.07	-0.38	0.0	-1.52e-06	2.35e-06
370	102	-4.20e-03	0.02	-0.25	0.0	-1.97e-06	1.99e-06
370	105	-3.64e-03	-0.13	-0.36	0.0	-1.68e-06	2.32e-06
370	106	-3.87e-03	-0.04	-0.25	0.0	-1.82e-06	1.92e-06
370	107	-3.42e-03	-0.07	-0.36	0.0	-1.57e-06	2.29e-06
370	115	-3.63	-1.67	-0.38	8.47e-06	-1.69e-03	3.09e-04
370	133	-0.18	-2.56	-0.51	0.0	-8.18e-05	1.64e-05
370	139	-2.04	-3.03	-0.50	5.01e-06	-9.54e-04	1.84e-04
370	147	-4.09	-1.87	-0.38	9.55e-06	-1.91e-03	3.48e-04
370	165	-0.20	-2.87	-0.53	0.0	-9.31e-05	1.86e-05
370	171	-2.31	-3.41	-0.52	5.67e-06	-1.08e-03	2.08e-04
370	179	-4.11	-1.86	-0.38	9.60e-06	-1.92e-03	3.49e-04
370	197	-0.21	-2.84	-0.53	0.0	-9.87e-05	2.05e-05
370	203	-2.36	-3.38	-0.52	5.83e-06	-1.10e-03	2.14e-04
370	211	-4.84	-2.16	-0.39	1.13e-05	-2.26e-03	4.11e-04
370	229	-0.26	-3.30	-0.56	0.0	-1.20e-04	2.55e-05
370	235	-2.82	-3.94	-0.54	7.00e-06	-1.32e-03	2.56e-04
371	16	-1.43e-03	0.09	-0.04	0.0	-2.80e-06	1.00e-06
371	28	-6.30e-04	-0.13	-0.07	0.0	-1.33e-06	1.23e-06
371	44	-9.21e-04	-0.17	-0.06	0.0	-1.87e-06	1.12e-06
371	73	-1.05e-03	0.06	-0.03	0.0	-2.05e-06	0.0
371	80	-5.15e-04	-0.09	-0.05	0.0	-1.07e-06	0.0
371	88	-7.09e-04	-0.12	-0.04	0.0	-1.43e-06	0.0
371	98	-4.14e-04	-0.03	-0.04	0.0	0.0	0.0
371	102	-7.11e-04	-5.99e-03	-0.03	0.0	-1.40e-06	0.0
371	105	-4.95e-04	-0.05	-0.04	0.0	-1.02e-06	0.0
371	106	-6.39e-04	-0.02	-0.03	0.0	-1.26e-06	0.0
371	107	-4.46e-04	-0.03	-0.04	0.0	0.0	0.0
371	115	-0.88	-0.43	-0.04	-3.36e-06	-1.67e-03	7.10e-05
371	133	-0.04	-0.65	-0.05	0.0	-8.25e-05	4.26e-06
371	139	-0.49	-0.77	-0.05	-2.01e-06	-9.38e-04	4.29e-05
371	147	-0.99	-0.48	-0.04	-3.78e-06	-1.88e-03	8.00e-05
371	165	-0.05	-0.73	-0.05	0.0	-9.38e-05	4.79e-06
371	171	-0.56	-0.86	-0.05	-2.27e-06	-1.06e-03	4.84e-05
371	179	-1.00	-0.47	-0.04	-3.79e-06	-1.89e-03	8.00e-05
371	197	-0.05	-0.72	-0.05	0.0	-9.87e-05	5.19e-06
371	203	-0.57	-0.85	-0.05	-2.32e-06	-1.08e-03	4.95e-05
371	211	-1.18	-0.55	-0.04	-4.46e-06	-2.23e-03	9.41e-05
371	229	-0.06	-0.83	-0.06	0.0	-1.19e-04	6.37e-06
371	235	-0.68	-0.99	-0.05	-2.79e-06	-1.29e-03	5.92e-05
372	1	0.0	0.0	0.0	0.0	-2.19e-06	0.0
372	65	0.0	0.0	0.0	0.0	-1.64e-06	0.0

372	97	0.0	0.0	0.0	0.0	-1.23e-06	0.0
372	106	0.0	0.0	0.0	0.0	-1.23e-06	0.0
372	108	0.0	0.0	0.0	2.60e-06	1.36e-03	-3.45e-06
372	140	0.0	0.0	0.0	2.93e-06	1.53e-03	-3.90e-06
372	172	0.0	0.0	0.0	2.92e-06	1.53e-03	-3.89e-06
372	204	0.0	0.0	0.0	3.43e-06	1.81e-03	-4.58e-06
373	16	-2.92e-03	0.19	-0.07	0.0	-2.91e-06	1.89e-06
373	28	-1.38e-03	-0.25	-0.14	0.0	-1.54e-06	2.29e-06
373	44	-1.94e-03	-0.33	-0.13	0.0	-2.05e-06	2.11e-06
373	73	-2.14e-03	0.12	-0.05	0.0	-2.13e-06	1.38e-06
373	80	-1.11e-03	-0.17	-0.10	0.0	-1.22e-06	1.64e-06
373	88	-1.49e-03	-0.23	-0.09	0.0	-1.55e-06	1.53e-06
373	98	-8.94e-04	-0.06	-0.08	0.0	0.0	1.41e-06
373	102	-1.46e-03	-4.16e-03	-0.05	0.0	-1.47e-06	1.14e-06
373	105	-1.05e-03	-0.09	-0.08	0.0	-1.12e-06	1.37e-06
373	106	-1.32e-03	-0.04	-0.05	0.0	-1.34e-06	1.10e-06
373	107	-9.54e-04	-0.05	-0.08	0.0	-1.03e-06	1.36e-06
373	115	-1.76	-0.85	-0.08	-3.55e-06	-1.65e-03	1.47e-04
373	133	-0.09	-1.30	-0.10	0.0	-8.21e-05	8.49e-06
373	139	-0.99	-1.53	-0.10	-2.11e-06	-9.29e-04	8.84e-05
373	147	-1.98	-0.95	-0.08	-4.00e-06	-1.86e-03	1.66e-04
373	165	-0.10	-1.45	-0.11	0.0	-9.33e-05	9.57e-06
373	171	-1.11	-1.72	-0.10	-2.39e-06	-1.05e-03	9.98e-05
373	179	-1.99	-0.94	-0.08	-4.02e-06	-1.87e-03	1.66e-04
373	197	-0.10	-1.44	-0.11	0.0	-9.82e-05	1.04e-05
373	203	-1.14	-1.70	-0.10	-2.45e-06	-1.07e-03	1.02e-04
373	211	-2.34	-1.09	-0.08	-4.73e-06	-2.20e-03	1.95e-04
373	229	-0.13	-1.66	-0.11	0.0	-1.18e-04	1.28e-05
373	235	-1.36	-1.98	-0.11	-2.94e-06	-1.22e-03	1.22e-04
374	16	-4.49e-03	0.30	-0.11	0.0	-3.00e-06	2.66e-06
374	28	-2.25e-03	-0.34	-0.22	0.0	-1.71e-06	3.17e-06
374	44	-3.08e-03	-0.48	-0.19	0.0	-2.20e-06	2.95e-06
374	73	-3.29e-03	0.20	-0.08	0.0	-2.20e-06	1.94e-06
374	80	-1.80e-03	-0.23	-0.15	0.0	-1.33e-06	2.28e-06
374	88	-2.35e-03	-0.32	-0.13	0.0	-1.66e-06	2.14e-06
374	98	-1.45e-03	-0.07	-0.12	0.0	-1.08e-06	1.94e-06
374	102	-2.26e-03	5.07e-03	-0.08	0.0	-1.54e-06	1.60e-06
374	105	-1.68e-03	-0.11	-0.12	0.0	-1.22e-06	1.90e-06
374	106	-2.04e-03	-0.04	-0.08	0.0	-1.40e-06	1.54e-06
374	107	-1.53e-03	-0.06	-0.12	0.0	-1.12e-06	1.89e-06
374	115	-2.62	-1.27	-0.12	-3.68e-06	-1.63e-03	2.25e-04
374	133	-0.13	-1.93	-0.16	0.0	-8.14e-05	1.25e-05
374	139	-1.47	-2.29	-0.15	-2.18e-06	-9.18e-04	1.35e-04
374	147	-2.95	-1.42	-0.12	-4.15e-06	-1.84e-03	2.53e-04
374	165	-0.15	-2.17	-0.16	0.0	-9.25e-05	1.41e-05
374	171	-1.66	-2.57	-0.16	-2.47e-06	-1.04e-03	1.52e-04
374	179	-2.96	-1.41	-0.12	-4.17e-06	-1.84e-03	2.54e-04
374	197	-0.16	-2.14	-0.16	0.0	-9.74e-05	1.54e-05
374	203	-1.70	-2.55	-0.16	-2.53e-06	-1.06e-03	1.56e-04
374	211	-3.49	-1.63	-0.12	-4.92e-06	-2.17e-03	2.99e-04
374	229	-0.19	-2.49	-0.17	0.0	-1.18e-04	1.91e-05
374	235	-2.03	-2.97	-0.16	-3.04e-06	-1.27e-03	1.87e-04
375	16	-6.09e-03	0.43	-0.15	0.0	-3.05e-06	3.31e-06
375	28	-3.19e-03	-0.42	-0.29	0.0	-1.78e-06	3.86e-06
375	44	-4.27e-03	-0.61	-0.25	0.0	-2.28e-06	3.66e-06
375	73	-4.46e-03	0.28	-0.11	0.0	-2.24e-06	2.42e-06
375	80	-2.53e-03	-0.28	-0.20	0.0	-1.39e-06	2.79e-06
375	88	-3.25e-03	-0.41	-0.18	0.0	-1.72e-06	2.65e-06
375	98	-2.04e-03	-0.07	-0.17	0.0	-1.12e-06	2.37e-06
375	102	-3.08e-03	0.02	-0.11	0.0	-1.58e-06	1.99e-06
375	105	-2.34e-03	-0.13	-0.16	0.0	-1.26e-06	2.33e-06
375	106	-2.80e-03	-0.04	-0.11	0.0	-1.45e-06	1.92e-06
375	107	-2.15e-03	-0.06	-0.16	0.0	-1.17e-06	2.30e-06
375	115	-3.47	-1.67	-0.16	-3.14e-06	-1.61e-03	3.06e-04
375	133	-0.17	-2.56	-0.21	0.0	-8.05e-05	1.64e-05
375	139	-1.95	-3.03	-0.20	-1.85e-06	-9.07e-04	1.83e-04
375	147	-3.91	-1.87	-0.16	-3.54e-06	-1.81e-03	3.45e-04
375	165	-0.20	-2.87	-0.21	0.0	-9.14e-05	1.85e-05
375	171	-2.20	-3.41	-0.21	-2.09e-06	-1.02e-03	2.07e-04
375	179	-3.92	-1.85	-0.16	-3.56e-06	-1.82e-03	3.46e-04
375	197	-0.21	-2.84	-0.21	0.0	-9.63e-05	2.04e-05
375	203	-2.25	-3.38	-0.21	-2.15e-06	-1.05e-03	2.12e-04
375	211	-4.62	-2.16	-0.17	-4.20e-06	-2.14e-03	4.07e-04
375	229	-0.25	-3.29	-0.22	0.0	-1.16e-04	2.53e-05
375	235	-2.69	-3.94	-0.22	-2.58e-06	-1.25e-03	2.54e-04

376	16	-8.98e-04	0.09	-0.02	0.0	-1.86e-06	0.0
376	28	2.75e-05	-0.13	-0.04	0.0	0.0	1.06e-06
376	44	-3.23e-04	-0.17	-0.03	0.0	0.0	0.0
376	73	-6.61e-04	0.06	-0.01	0.0	-1.36e-06	0.0
376	80	-4.43e-05	-0.09	-0.03	0.0	0.0	0.0
376	88	-2.78e-04	-0.12	-0.02	0.0	0.0	0.0
376	98	-1.14e-05	-0.03	-0.02	0.0	0.0	0.0
376	102	-3.93e-04	-5.29e-03	-0.01	0.0	0.0	0.0
376	105	-1.05e-04	-0.05	-0.02	0.0	0.0	0.0
376	106	-3.32e-04	-0.02	-0.01	0.0	0.0	0.0
376	107	-5.73e-05	-0.03	-0.02	0.0	0.0	0.0
376	115	-0.85	-0.43	-0.02	0.0	-1.60e-03	6.98e-05
376	133	-0.04	-0.65	-0.03	0.0	-8.15e-05	4.09e-06
376	139	-0.48	-0.77	-0.02	0.0	-9.01e-04	4.19e-05
376	147	-0.96	-0.48	-0.02	0.0	-1.81e-03	7.86e-05
376	165	-0.05	-0.73	-0.03	0.0	-9.26e-05	4.60e-06
376	171	-0.54	-0.86	-0.02	0.0	-1.02e-03	4.73e-05
376	179	-0.96	-0.47	-0.02	0.0	-1.82e-03	7.85e-05
376	197	-0.05	-0.72	-0.03	0.0	-9.69e-05	4.97e-06
376	203	-0.55	-0.85	-0.02	0.0	-1.04e-03	4.83e-05
376	211	-1.13	-0.55	-0.02	0.0	-2.14e-03	9.22e-05
376	229	-0.06	-0.83	-0.03	0.0	-1.17e-04	6.12e-06
376	235	-0.66	-0.99	-0.03	0.0	-1.24e-03	5.77e-05
377	1	0.0	0.0	0.0	0.0	-1.33e-06	0.0
377	65	0.0	0.0	0.0	0.0	-1.01e-06	0.0
377	97	0.0	0.0	0.0	0.0	0.0	0.0
377	106	0.0	0.0	0.0	0.0	0.0	0.0
377	108	0.0	0.0	0.0	0.0	1.31e-03	-3.43e-06
377	140	0.0	0.0	0.0	0.0	1.47e-03	-3.87e-06
377	172	0.0	0.0	0.0	0.0	1.47e-03	-3.86e-06
377	204	0.0	0.0	0.0	0.0	1.74e-03	-4.54e-06
378	16	-1.92e-03	0.19	-0.04	0.0	-2.08e-06	1.82e-06
378	28	-1.53e-04	-0.24	-0.08	0.0	0.0	2.14e-06
378	44	-8.18e-04	-0.33	-0.07	0.0	-1.13e-06	1.97e-06
378	73	-1.41e-03	0.12	-0.03	0.0	-1.52e-06	1.33e-06
378	80	-2.33e-04	-0.17	-0.06	0.0	0.0	1.54e-06
378	88	-6.76e-04	-0.22	-0.05	0.0	0.0	1.43e-06
378	98	-1.43e-04	-0.05	-0.05	0.0	0.0	1.33e-06
378	102	-8.60e-04	-3.38e-03	-0.03	0.0	0.0	1.08e-06
378	105	-3.23e-04	-0.09	-0.04	0.0	0.0	1.29e-06
378	106	-7.37e-04	-0.04	-0.03	0.0	0.0	1.04e-06
378	107	-2.28e-04	-0.05	-0.04	0.0	0.0	1.29e-06
378	115	-1.69	-0.85	-0.04	0.0	-1.58e-03	1.44e-04
378	133	-0.09	-1.30	-0.05	0.0	-8.10e-05	8.26e-06
378	139	-0.95	-1.53	-0.05	0.0	-8.90e-04	8.64e-05
378	147	-1.90	-0.95	-0.04	0.0	-1.78e-03	1.62e-04
378	165	-0.10	-1.45	-0.05	0.0	-9.21e-05	9.31e-06
378	171	-1.07	-1.72	-0.05	0.0	-1.01e-03	9.75e-05
378	179	-1.91	-0.94	-0.04	0.0	-1.79e-03	1.62e-04
378	197	-0.10	-1.44	-0.05	0.0	-9.63e-05	1.01e-05
378	203	-1.09	-1.70	-0.05	0.0	-1.03e-03	9.96e-05
378	211	-2.25	-1.09	-0.04	0.0	-2.11e-03	1.91e-04
378	229	-0.12	-1.66	-0.05	0.0	-1.16e-04	1.25e-05
378	235	-1.30	-1.98	-0.05	0.0	-1.23e-03	1.19e-04
379	16	-3.09e-03	0.30	-0.06	0.0	-2.27e-06	2.72e-06
379	28	-5.91e-04	-0.34	-0.12	0.0	0.0	3.23e-06
379	44	-1.53e-03	-0.48	-0.10	0.0	-1.39e-06	2.99e-06
379	73	-2.27e-03	0.20	-0.04	0.0	-1.66e-06	1.98e-06
379	80	-6.01e-04	-0.23	-0.08	0.0	0.0	2.32e-06
379	88	-1.23e-03	-0.32	-0.07	0.0	-1.08e-06	2.16e-06
379	98	-4.27e-04	-0.07	-0.07	0.0	0.0	1.99e-06
379	102	-1.42e-03	5.96e-03	-0.04	0.0	-1.09e-06	1.63e-06
379	105	-6.81e-04	-0.11	-0.06	0.0	0.0	1.94e-06
379	106	-1.24e-03	-0.04	-0.04	0.0	0.0	1.57e-06
379	107	-5.42e-04	-0.06	-0.06	0.0	0.0	1.93e-06
379	115	-2.51	-1.26	-0.06	0.0	-1.56e-03	2.21e-04
379	133	-0.13	-1.93	-0.07	0.0	-8.02e-05	1.23e-05
379	139	-1.41	-2.29	-0.07	0.0	-8.76e-04	1.32e-04
379	147	-2.83	-1.42	-0.06	0.0	-1.75e-03	2.49e-04
379	165	-0.15	-2.17	-0.07	0.0	-9.11e-05	1.39e-05
379	171	-1.59	-2.57	-0.07	0.0	-9.90e-04	1.49e-04
379	179	-2.84	-1.40	-0.06	0.0	-1.76e-03	2.49e-04
379	197	-0.15	-2.14	-0.07	0.0	-9.53e-05	1.52e-05
379	203	-1.63	-2.55	-0.07	0.0	-1.01e-03	1.53e-04
379	211	-3.35	-1.63	-0.06	0.0	-2.07e-03	2.93e-04

379	229	-0.18	-2.49	-0.07	0.0	-1.15e-04	1.87e-05
379	235	-1.94	-2.97	-0.07	0.0	-1.21e-03	1.83e-04
380	16	-4.35e-03	0.43	-0.07	0.0	-2.30e-06	3.57e-06
380	28	-1.16e-03	-0.42	-0.16	0.0	0.0	4.26e-06
380	44	-2.35e-03	-0.60	-0.14	0.0	-1.41e-06	3.99e-06
380	73	-3.19e-03	0.28	-0.05	0.0	-1.68e-06	2.60e-06
380	80	-1.06e-03	-0.28	-0.11	0.0	0.0	3.07e-06
380	88	-1.86e-03	-0.41	-0.10	0.0	-1.09e-06	2.88e-06
380	98	-7.92e-04	-0.07	-0.09	0.0	0.0	2.61e-06
380	102	-2.04e-03	0.02	-0.05	0.0	-1.11e-06	2.15e-06
380	105	-1.12e-03	-0.13	-0.09	0.0	0.0	2.56e-06
380	106	-1.79e-03	-0.04	-0.05	0.0	0.0	2.08e-06
380	107	-9.34e-04	-0.06	-0.09	0.0	0.0	2.54e-06
380	115	-3.32	-1.67	-0.08	0.0	-1.53e-03	3.02e-04
380	133	-0.17	-2.55	-0.10	0.0	-7.90e-05	1.64e-05
380	139	-1.87	-3.03	-0.09	0.0	-8.63e-04	1.80e-04
380	147	-3.74	-1.87	-0.08	0.0	-1.72e-03	3.40e-04
380	165	-0.19	-2.87	-0.10	0.0	-8.98e-05	1.85e-05
380	171	-2.11	-3.40	-0.10	0.0	-9.75e-04	2.03e-04
380	179	-3.76	-1.85	-0.08	0.0	-1.73e-03	3.41e-04
380	197	-0.20	-2.83	-0.10	0.0	-9.39e-05	2.03e-05
380	203	-2.15	-3.38	-0.10	0.0	-9.95e-04	2.09e-04
380	211	-4.43	-2.15	-0.08	0.0	-2.04e-03	4.01e-04
380	229	-0.24	-3.29	-0.10	0.0	-1.13e-04	2.51e-05
380	235	-2.57	-3.93	-0.10	0.0	-1.19e-03	2.50e-04
381	28	5.76e-04	-0.13	-0.03	0.0	0.0	0.0
381	44	1.78e-04	-0.17	-0.02	0.0	0.0	0.0
381	51	8.02e-04	-0.05	-0.03	0.0	1.31e-06	0.0
381	80	3.50e-04	-0.09	-0.02	0.0	0.0	0.0
381	88	8.53e-05	-0.12	-0.02	0.0	0.0	0.0
381	91	5.01e-04	-0.04	-0.02	0.0	0.0	0.0
381	98	3.32e-04	-0.03	-0.02	0.0	0.0	0.0
381	105	2.27e-04	-0.05	-0.02	0.0	0.0	0.0
381	107	2.75e-04	-0.03	-0.02	0.0	0.0	0.0
381	112	0.82	0.37	-0.02	0.0	1.54e-03	-7.05e-05
381	113	0.66	-0.04	-0.02	0.0	1.24e-03	-5.70e-05
381	139	-0.46	-0.77	-0.02	0.0	-8.65e-04	4.19e-05
381	144	0.92	0.42	-0.02	0.0	1.74e-03	-7.94e-05
381	145	0.74	-0.04	-0.02	0.0	1.40e-03	-6.42e-05
381	171	-0.52	-0.86	-0.02	0.0	-9.78e-04	4.74e-05
381	176	0.92	0.41	-0.02	0.0	1.75e-03	-7.92e-05
381	177	0.74	-0.04	-0.02	0.0	1.40e-03	-6.38e-05
381	203	-0.53	-0.85	-0.02	0.0	-9.97e-04	4.82e-05
381	208	1.09	0.49	-0.02	0.0	2.06e-03	-9.31e-05
381	209	0.88	-0.04	-0.02	0.0	1.65e-03	-7.48e-05
381	235	-0.63	-0.99	-0.02	0.0	-1.19e-03	5.77e-05
382	1	0.0	0.0	0.0	0.0	0.0	0.0
382	65	0.0	0.0	0.0	0.0	0.0	0.0
382	97	0.0	0.0	0.0	0.0	0.0	0.0
382	106	0.0	0.0	0.0	0.0	0.0	0.0
382	108	0.0	0.0	0.0	0.0	1.26e-03	-3.59e-06
382	140	0.0	0.0	0.0	0.0	1.41e-03	-4.04e-06
382	172	0.0	0.0	0.0	0.0	1.42e-03	-4.02e-06
382	204	0.0	0.0	0.0	0.0	1.67e-03	-4.72e-06
383	28	9.80e-04	-0.24	-0.06	0.0	0.0	1.64e-06
383	44	2.20e-04	-0.33	-0.05	0.0	0.0	1.53e-06
383	51	1.43e-03	-0.09	-0.06	0.0	0.0	1.55e-06
383	80	5.81e-04	-0.16	-0.04	0.0	0.0	1.19e-06
383	88	7.46e-05	-0.22	-0.03	0.0	0.0	1.12e-06
383	91	8.81e-04	-0.06	-0.04	0.0	0.0	1.13e-06
383	98	5.60e-04	-0.05	-0.03	0.0	0.0	1.05e-06
383	105	3.60e-04	-0.08	-0.03	0.0	0.0	1.03e-06
383	107	4.53e-04	-0.05	-0.03	0.0	0.0	1.03e-06
383	112	1.62	0.75	-0.03	0.0	1.52e-03	-1.41e-04
383	113	1.31	-0.07	-0.03	0.0	1.22e-03	-1.14e-04
383	139	-0.91	-1.53	-0.03	0.0	-8.52e-04	8.49e-05
383	144	1.83	0.85	-0.03	0.0	1.71e-03	-1.59e-04
383	145	1.48	-0.07	-0.03	0.0	1.38e-03	-1.29e-04
383	171	-1.03	-1.72	-0.03	0.0	-9.63e-04	9.59e-05
383	176	1.84	0.84	-0.03	0.0	1.72e-03	-1.59e-04
383	177	1.48	-0.07	-0.03	0.0	1.38e-03	-1.28e-04
383	203	-1.05	-1.70	-0.03	0.0	-9.82e-04	9.77e-05
383	208	2.16	0.99	-0.03	0.0	2.02e-03	-1.87e-04
383	209	1.74	-0.07	-0.03	0.0	1.62e-03	-1.50e-04
383	235	-1.25	-1.98	-0.03	0.0	-1.17e-03	1.17e-04

384	28	1.15e-03	-0.34	-0.08	0.0	0.0	3.29e-06
384	44	7.36e-05	-0.47	-0.07	0.0	0.0	3.02e-06
384	51	1.81e-03	-0.11	-0.08	0.0	0.0	3.10e-06
384	73	-1.20e-03	0.20	-0.03	0.0	0.0	2.03e-06
384	80	6.47e-04	-0.23	-0.06	0.0	0.0	2.37e-06
384	88	-6.77e-05	-0.32	-0.05	0.0	0.0	2.18e-06
384	98	6.46e-04	-0.06	-0.05	0.0	0.0	2.04e-06
384	105	3.63e-04	-0.11	-0.05	0.0	0.0	1.98e-06
384	107	4.97e-04	-0.06	-0.05	0.0	0.0	1.98e-06
384	112	2.41	1.14	-0.05	0.0	1.48e-03	-2.11e-04
384	113	1.94	-0.09	-0.05	0.0	1.19e-03	-1.70e-04
384	139	-1.35	-2.29	-0.05	0.0	-8.35e-04	1.28e-04
384	144	2.72	1.29	-0.05	0.0	1.67e-03	-2.38e-04
384	145	2.19	-0.09	-0.05	0.0	1.35e-03	-1.92e-04
384	171	-1.53	-2.57	-0.05	0.0	-9.43e-04	1.45e-04
384	176	2.73	1.28	-0.05	0.0	1.68e-03	-2.38e-04
384	177	2.19	-0.09	-0.05	0.0	1.35e-03	-1.91e-04
384	203	-1.56	-2.55	-0.05	0.0	-9.62e-04	1.48e-04
384	208	3.21	1.51	-0.05	0.0	1.98e-03	-2.80e-04
384	209	2.58	-0.09	-0.05	0.0	1.59e-03	-2.25e-04
384	235	-1.86	-2.97	-0.05	0.0	-1.15e-03	1.76e-04
385	20	-2.45e-03	0.45	-0.03	0.0	-1.39e-06	3.16e-06
385	28	1.16e-03	-0.41	-0.11	0.0	0.0	5.07e-06
385	44	-1.86e-04	-0.60	-0.09	0.0	0.0	4.65e-06
385	73	-1.77e-03	0.28	-0.04	0.0	-1.05e-06	2.96e-06
385	80	6.09e-04	-0.28	-0.08	0.0	0.0	3.63e-06
385	88	-2.90e-04	-0.40	-0.07	0.0	0.0	3.35e-06
385	98	6.35e-04	-0.06	-0.07	0.0	0.0	3.10e-06
385	102	-8.69e-04	0.02	-0.04	0.0	0.0	2.45e-06
385	105	2.78e-04	-0.13	-0.06	0.0	0.0	3.01e-06
385	106	-6.59e-04	-0.04	-0.04	0.0	0.0	2.37e-06
385	107	4.50e-04	-0.06	-0.06	0.0	0.0	2.99e-06
385	112	3.18	1.54	-0.06	0.0	1.45e-03	-2.88e-04
385	113	2.56	-0.09	-0.07	0.0	1.17e-03	-2.32e-04
385	139	-1.79	-3.03	-0.06	0.0	-8.18e-04	1.75e-04
385	144	3.59	1.75	-0.07	0.0	1.64e-03	-3.24e-04
385	145	2.89	-0.10	-0.07	0.0	1.32e-03	-2.62e-04
385	171	-2.02	-3.40	-0.06	0.0	-9.24e-04	1.98e-04
385	176	3.60	1.73	-0.06	0.0	1.64e-03	-3.25e-04
385	177	2.89	-0.09	-0.07	0.0	1.32e-03	-2.61e-04
385	203	-2.06	-3.37	-0.06	0.0	-9.42e-04	2.02e-04
385	208	4.24	2.03	-0.06	0.0	1.93e-03	-3.83e-04
385	209	3.41	-0.09	-0.07	0.0	1.55e-03	-3.07e-04
385	235	-2.46	-3.93	-0.06	0.0	-1.12e-03	2.42e-04
386	28	7.41e-04	-0.13	-0.03	0.0	1.68e-06	0.0
386	44	3.52e-04	-0.17	-0.03	0.0	0.0	0.0
386	51	9.61e-04	-0.05	-0.03	0.0	2.07e-06	0.0
386	80	4.79e-04	-0.09	-0.02	0.0	1.10e-06	0.0
386	88	2.20e-04	-0.11	-0.02	0.0	0.0	0.0
386	91	6.26e-04	-0.03	-0.02	0.0	1.36e-06	0.0
386	98	4.60e-04	-0.03	-0.02	0.0	1.02e-06	0.0
386	105	3.58e-04	-0.05	-0.02	0.0	0.0	0.0
386	107	4.05e-04	-0.03	-0.02	0.0	0.0	0.0
386	112	0.79	0.37	-0.02	0.0	1.49e-03	-7.85e-05
386	113	0.63	-0.04	-0.02	0.0	1.20e-03	-6.39e-05
386	139	-0.44	-0.76	-0.02	0.0	-8.32e-04	4.46e-05
386	144	0.89	0.42	-0.02	0.0	1.67e-03	-8.84e-05
386	145	0.71	-0.04	-0.02	0.0	1.35e-03	-7.20e-05
386	171	-0.50	-0.86	-0.02	0.0	-9.40e-04	5.04e-05
386	176	0.89	0.41	-0.02	0.0	1.68e-03	-8.81e-05
386	177	0.71	-0.04	-0.02	0.0	1.35e-03	-7.14e-05
386	203	-0.51	-0.85	-0.02	0.0	-9.57e-04	5.13e-05
386	208	1.05	0.49	-0.02	0.0	1.98e-03	-1.03e-04
386	209	0.84	-0.04	-0.02	0.0	1.59e-03	-8.37e-05
386	235	-0.60	-0.99	-0.02	0.0	-1.14e-03	6.15e-05
387	1	0.0	0.0	0.0	0.0	0.0	0.0
387	65	0.0	0.0	0.0	0.0	0.0	0.0
387	97	0.0	0.0	0.0	0.0	0.0	0.0
387	106	0.0	0.0	0.0	0.0	0.0	0.0
387	108	0.0	0.0	0.0	0.0	1.21e-03	-4.07e-06
387	140	0.0	0.0	0.0	0.0	1.36e-03	-4.57e-06
387	172	0.0	0.0	0.0	0.0	1.36e-03	-4.54e-06
387	204	0.0	0.0	0.0	0.0	1.60e-03	-5.31e-06
388	28	1.74e-03	-0.24	-0.06	0.0	2.03e-06	0.0
388	44	9.31e-04	-0.33	-0.05	0.0	1.24e-06	0.0

388	52	2.15e-03	-0.09	-0.06	0.0	2.39e-06	0.0
388	80	1.14e-03	-0.16	-0.04	0.0	1.34e-06	0.0
388	88	5.98e-04	-0.22	-0.03	0.0	0.0	0.0
388	92	1.41e-03	-0.06	-0.04	0.0	1.58e-06	0.0
388	98	1.06e-03	-0.05	-0.03	0.0	1.20e-06	0.0
388	105	8.48e-04	-0.08	-0.03	0.0	0.0	0.0
388	107	9.40e-04	-0.05	-0.03	0.0	1.08e-06	0.0
388	112	1.56	0.75	-0.03	0.0	1.46e-03	-1.49e-04
388	113	1.26	-0.07	-0.03	0.0	1.17e-03	-1.21e-04
388	139	-0.88	-1.53	-0.03	0.0	-8.18e-04	8.66e-05
388	144	1.76	0.85	-0.03	0.0	1.64e-03	-1.68e-04
388	145	1.42	-0.07	-0.03	0.0	1.32e-03	-1.36e-04
388	171	-0.99	-1.72	-0.03	0.0	-9.25e-04	9.78e-05
388	176	1.77	0.84	-0.03	0.0	1.65e-03	-1.67e-04
388	177	1.42	-0.07	-0.03	0.0	1.32e-03	-1.35e-04
388	203	-1.01	-1.70	-0.03	0.0	-9.41e-04	9.95e-05
388	208	2.08	0.99	-0.03	0.0	1.94e-03	-1.96e-04
388	209	1.67	-0.07	-0.03	0.0	1.56e-03	-1.58e-04
388	235	-1.20	-1.98	-0.03	0.0	-1.12e-03	1.19e-04
389	28	2.93e-03	-0.34	-0.09	0.0	2.05e-06	3.14e-06
389	44	1.70e-03	-0.47	-0.07	0.0	1.31e-06	2.86e-06
389	52	3.53e-03	-0.11	-0.09	0.0	2.37e-06	3.15e-06
389	80	1.93e-03	-0.23	-0.06	0.0	1.36e-06	2.26e-06
389	88	1.11e-03	-0.32	-0.05	0.0	0.0	2.07e-06
389	92	2.33e-03	-0.08	-0.06	0.0	1.57e-06	2.27e-06
389	98	1.76e-03	-0.06	-0.05	0.0	1.19e-06	1.98e-06
389	105	1.44e-03	-0.11	-0.05	0.0	1.00e-06	1.92e-06
389	107	1.57e-03	-0.06	-0.05	0.0	1.07e-06	1.92e-06
389	112	2.32	1.14	-0.05	0.0	1.42e-03	-2.05e-04
389	113	1.87	-0.09	-0.05	0.0	1.14e-03	-1.66e-04
389	139	-1.30	-2.29	-0.05	0.0	-7.97e-04	1.24e-04
389	144	2.62	1.29	-0.05	0.0	1.60e-03	-2.32e-04
389	145	2.10	-0.09	-0.05	0.0	1.29e-03	-1.87e-04
389	171	-1.47	-2.57	-0.05	0.0	-9.01e-04	1.39e-04
389	176	2.62	1.28	-0.05	0.0	1.60e-03	-2.31e-04
389	177	2.11	-0.09	-0.05	0.0	1.29e-03	-1.85e-04
389	203	-1.50	-2.55	-0.05	0.0	-9.17e-04	1.42e-04
389	208	3.09	1.51	-0.05	0.0	1.89e-03	-2.71e-04
389	209	2.48	-0.09	-0.05	0.0	1.51e-03	-2.17e-04
389	235	-1.78	-2.96	-0.05	0.0	-1.09e-03	1.69e-04
390	28	3.99e-03	-0.41	-0.12	0.0	1.67e-06	6.53e-06
390	44	2.39e-03	-0.60	-0.10	0.0	1.04e-06	5.84e-06
390	52	4.75e-03	-0.11	-0.12	0.0	1.92e-06	6.53e-06
390	80	2.63e-03	-0.28	-0.08	0.0	1.09e-06	4.64e-06
390	88	1.56e-03	-0.40	-0.07	0.0	0.0	4.18e-06
390	92	3.14e-03	-0.07	-0.08	0.0	1.26e-06	4.64e-06
390	98	2.36e-03	-0.06	-0.07	0.0	0.0	3.95e-06
390	105	1.95e-03	-0.13	-0.06	0.0	0.0	3.79e-06
390	107	2.12e-03	-0.06	-0.06	0.0	0.0	3.79e-06
390	112	3.05	1.54	-0.07	0.0	1.38e-03	-2.69e-04
390	113	2.46	-0.09	-0.07	0.0	1.11e-03	-2.16e-04
390	139	-1.71	-3.03	-0.06	0.0	-7.74e-04	1.65e-04
390	144	3.44	1.75	-0.07	0.0	1.55e-03	-3.04e-04
390	145	2.77	-0.09	-0.07	0.0	1.25e-03	-2.44e-04
390	171	-1.94	-3.40	-0.06	0.0	-8.75e-04	1.87e-04
390	176	3.45	1.73	-0.07	0.0	1.55e-03	-3.03e-04
390	177	2.77	-0.09	-0.07	0.0	1.25e-03	-2.43e-04
390	203	-1.97	-3.37	-0.06	0.0	-8.90e-04	1.90e-04
390	208	4.06	2.03	-0.07	0.0	1.83e-03	-3.56e-04
390	209	3.26	-0.09	-0.07	0.0	1.47e-03	-2.85e-04
390	235	-2.35	-3.93	-0.06	0.0	-1.06e-03	2.27e-04
391	28	6.00e-05	-0.13	-0.07	0.0	1.91e-06	-2.30e-06
391	44	-1.91e-04	-0.17	-0.06	0.0	1.17e-06	-1.88e-06
391	46	-4.73e-04	-0.14	-0.02	0.0	0.0	0.0
391	80	2.09e-05	-0.09	-0.05	0.0	1.29e-06	-1.57e-06
391	86	-3.33e-04	-0.10	-0.02	0.0	0.0	0.0
391	88	-1.47e-04	-0.11	-0.04	0.0	0.0	-1.29e-06
391	98	1.08e-04	-0.03	-0.04	0.0	1.22e-06	-1.25e-06
391	104	-1.22e-04	-0.04	-0.02	0.0	0.0	0.0
391	105	3.75e-05	-0.04	-0.04	0.0	1.02e-06	-1.15e-06
391	107	8.14e-05	-0.03	-0.04	0.0	1.11e-06	-1.16e-06
391	112	0.75	0.37	-0.04	0.0	1.42e-03	-9.26e-05
391	124	-0.04	0.67	-0.04	0.0	-7.42e-05	0.0
391	139	-0.42	-0.76	-0.03	0.0	-7.98e-04	4.99e-05
391	144	0.84	0.42	-0.04	0.0	1.60e-03	-1.04e-04

391	156	-0.04	0.76	-0.04	0.0	-8.41e-05	0.0
391	171	-0.47	-0.86	-0.03	0.0	-9.01e-04	5.66e-05
391	176	0.84	0.41	-0.04	0.0	1.61e-03	-1.04e-04
391	188	-0.05	0.74	-0.04	0.0	-8.58e-05	1.48e-06
391	203	-0.48	-0.85	-0.03	0.0	-9.16e-04	5.77e-05
391	208	0.99	0.49	-0.04	0.0	1.89e-03	-1.22e-04
391	220	-0.05	0.87	-0.04	0.0	-1.02e-04	2.36e-06
391	235	-0.57	-0.99	-0.03	0.0	-1.09e-03	6.94e-05
392	1	0.0	0.0	0.0	0.0	0.0	0.0
392	65	0.0	0.0	0.0	0.0	0.0	0.0
392	97	0.0	0.0	0.0	0.0	0.0	0.0
392	106	0.0	0.0	0.0	0.0	0.0	0.0
392	108	0.0	0.0	0.0	0.0	1.15e-03	-4.80e-06
392	140	0.0	0.0	0.0	0.0	1.29e-03	-5.37e-06
392	172	0.0	0.0	0.0	0.0	1.29e-03	-5.33e-06
392	204	0.0	0.0	0.0	0.0	1.52e-03	-6.21e-06
393	28	1.56e-03	-0.24	-0.11	0.0	4.05e-06	-1.40e-06
393	44	8.47e-04	-0.33	-0.09	0.0	3.02e-06	-1.06e-06
393	51	1.99e-03	-0.08	-0.11	0.0	4.30e-06	-1.33e-06
393	80	1.04e-03	-0.16	-0.08	0.0	2.77e-06	0.0
393	88	5.66e-04	-0.22	-0.07	0.0	2.08e-06	0.0
393	91	1.33e-03	-0.06	-0.07	0.0	2.94e-06	0.0
393	98	1.03e-03	-0.05	-0.06	0.0	2.42e-06	0.0
393	105	8.43e-04	-0.08	-0.06	0.0	2.16e-06	0.0
393	107	9.34e-04	-0.05	-0.06	0.0	2.24e-06	0.0
393	112	1.50	0.75	-0.07	0.0	1.41e-03	-1.64e-04
393	124	-0.08	1.36	-0.07	0.0	-7.32e-05	3.11e-06
393	139	-0.84	-1.53	-0.05	0.0	-7.92e-04	9.18e-05
393	144	1.69	0.85	-0.07	0.0	1.59e-03	-1.84e-04
393	156	-0.09	1.53	-0.07	0.0	-8.31e-05	3.75e-06
393	171	-0.95	-1.71	-0.05	0.0	-8.94e-04	1.04e-04
393	176	1.69	0.84	-0.07	0.0	1.60e-03	-1.83e-04
393	188	-0.09	1.50	-0.07	0.0	-8.49e-05	4.67e-06
393	203	-0.96	-1.70	-0.05	0.0	-9.09e-04	1.06e-04
393	208	1.99	0.99	-0.07	0.0	1.88e-03	-2.16e-04
393	220	-0.11	1.75	-0.07	0.0	-1.01e-04	6.42e-06
393	235	-1.15	-1.98	-0.05	0.0	-1.08e-03	1.27e-04
394	28	4.60e-03	-0.33	-0.15	0.0	5.29e-06	2.39e-06
394	44	3.20e-03	-0.47	-0.13	0.0	4.14e-06	2.19e-06
394	52	5.21e-03	-0.11	-0.15	0.0	5.62e-06	2.42e-06
394	80	3.13e-03	-0.23	-0.10	0.0	3.63e-06	1.74e-06
394	88	2.20e-03	-0.32	-0.09	0.0	2.87e-06	1.61e-06
394	92	3.54e-03	-0.08	-0.10	0.0	3.86e-06	1.76e-06
394	98	2.81e-03	-0.06	-0.08	0.0	3.08e-06	1.57e-06
394	105	2.45e-03	-0.11	-0.08	0.0	2.80e-06	1.53e-06
394	107	2.59e-03	-0.06	-0.08	0.0	2.88e-06	1.53e-06
394	112	2.24	1.14	-0.09	0.0	1.37e-03	-2.08e-04
394	124	-0.12	2.06	-0.09	0.0	-7.07e-05	8.37e-06
394	139	-1.25	-2.29	-0.07	0.0	-7.69e-04	1.23e-04
394	144	2.52	1.29	-0.09	0.0	1.55e-03	-2.34e-04
394	156	-0.13	2.32	-0.09	0.0	-8.04e-05	9.45e-06
394	171	-1.42	-2.57	-0.07	0.0	-8.69e-04	1.39e-04
394	176	2.53	1.28	-0.09	0.0	1.55e-03	-2.33e-04
394	188	-0.13	2.28	-0.09	0.0	-8.21e-05	1.06e-05
394	203	-1.44	-2.55	-0.07	0.0	-8.83e-04	1.41e-04
394	208	2.97	1.51	-0.09	0.0	1.82e-03	-2.73e-04
394	220	-0.16	2.65	-0.10	0.0	-9.79e-05	1.34e-05
394	235	-1.72	-2.96	-0.07	0.0	-1.05e-03	1.68e-04
395	28	7.84e-03	-0.41	-0.18	0.0	4.13e-06	9.06e-06
395	44	5.80e-03	-0.60	-0.16	0.0	3.26e-06	7.92e-06
395	52	8.62e-03	-0.10	-0.18	0.0	4.35e-06	9.14e-06
395	80	5.36e-03	-0.28	-0.13	0.0	2.83e-06	6.39e-06
395	88	4.00e-03	-0.40	-0.11	0.0	2.25e-06	5.63e-06
395	92	5.88e-03	-0.07	-0.13	0.0	2.98e-06	6.45e-06
395	98	4.69e-03	-0.06	-0.11	0.0	2.38e-06	5.39e-06
395	105	4.17e-03	-0.13	-0.10	0.0	2.17e-06	5.13e-06
395	107	4.35e-03	-0.06	-0.10	0.0	2.22e-06	5.15e-06
395	112	2.95	1.55	-0.11	0.0	1.31e-03	-2.32e-04
395	124	-0.15	2.77	-0.11	0.0	-6.73e-05	1.81e-05
395	139	-1.65	-3.03	-0.09	0.0	-7.32e-04	1.48e-04
395	144	3.32	1.75	-0.11	0.0	1.47e-03	-2.62e-04
395	156	-0.17	3.12	-0.12	0.0	-7.65e-05	2.00e-05
395	171	-1.86	-3.40	-0.09	0.0	-8.27e-04	1.66e-04
395	176	3.32	1.73	-0.11	0.0	1.47e-03	-2.58e-04
395	188	-0.18	3.06	-0.11	0.0	-7.82e-05	2.12e-05

395	203	-1.89	-3.37	-0.09	0.0	-8.41e-04	1.67e-04
395	208	3.91	2.03	-0.11	0.0	1.73e-03	-3.03e-04
395	220	-0.21	3.56	-0.12	0.0	-9.32e-05	2.53e-05
395	235	-2.26	-3.93	-0.09	0.0	-1.00e-03	1.99e-04
396	4	-8.88e-03	0.25	-1.04	0.0	-1.33e-06	4.27e-06
396	16	-0.01	0.54	-0.61	0.0	-2.99e-06	3.61e-06
396	44	-9.39e-03	-0.70	-0.87	0.0	-1.90e-06	3.96e-06
396	68	-6.65e-03	0.17	-0.73	0.0	-1.09e-06	3.08e-06
396	73	-8.19e-03	0.36	-0.44	0.0	-2.19e-06	2.64e-06
396	88	-6.99e-03	-0.47	-0.62	0.0	-1.46e-06	2.87e-06
396	98	-5.13e-03	-0.06	-0.60	0.0	0.0	2.51e-06
396	102	-6.04e-03	0.04	-0.39	0.0	-1.45e-06	2.17e-06
396	105	-5.48e-03	-0.14	-0.57	0.0	0.0	2.49e-06
396	106	-5.61e-03	-0.04	-0.39	0.0	-1.30e-06	2.09e-06
396	107	-5.20e-03	-0.06	-0.57	0.0	0.0	2.45e-06
396	108	3.66	1.83	-0.65	0.0	1.40e-03	-3.00e-04
396	115	-4.52	-1.99	-0.48	0.0	-1.73e-03	3.75e-04
396	139	-2.55	-3.63	-0.49	0.0	-9.75e-04	2.23e-04
396	140	4.12	2.06	-0.67	0.0	1.58e-03	-3.38e-04
396	147	-5.10	-2.23	-0.47	0.0	-1.95e-03	4.22e-04
396	171	-2.88	-4.08	-0.49	0.0	-1.10e-03	2.53e-04
396	172	4.14	2.03	-0.66	0.0	1.58e-03	-3.38e-04
396	179	-5.12	-2.22	-0.47	0.0	-1.96e-03	4.24e-04
396	203	-2.95	-4.05	-0.49	0.0	-1.13e-03	2.59e-04
396	204	4.87	2.38	-0.68	0.0	1.86e-03	-3.98e-04
396	211	-6.04	-2.58	-0.46	0.0	-2.31e-03	4.99e-04
396	235	-3.53	-4.72	-0.48	0.0	-1.35e-03	3.11e-04
397	16	-9.47e-03	0.54	-0.47	0.0	-3.89e-06	3.60e-06
397	28	-6.28e-03	-0.47	-0.86	0.0	-2.75e-06	4.09e-06
397	44	-7.51e-03	-0.70	-0.76	0.0	-3.28e-06	3.95e-06
397	73	-6.93e-03	0.36	-0.34	0.0	-2.86e-06	2.64e-06
397	80	-4.81e-03	-0.32	-0.60	0.0	-2.10e-06	2.96e-06
397	88	-5.63e-03	-0.47	-0.53	0.0	-2.45e-06	2.87e-06
397	98	-3.94e-03	-0.06	-0.49	0.0	-1.70e-06	2.50e-06
397	102	-5.01e-03	0.04	-0.32	0.0	-2.12e-06	2.16e-06
397	105	-4.30e-03	-0.14	-0.47	0.0	-1.86e-06	2.48e-06
397	106	-4.62e-03	-0.04	-0.33	0.0	-1.98e-06	2.09e-06
397	107	-4.04e-03	-0.06	-0.47	0.0	-1.74e-06	2.44e-06
397	115	-4.36	-1.99	-0.49	6.51e-06	-1.68e-03	3.74e-04
397	133	-0.21	-3.06	-0.66	0.0	-8.11e-05	1.94e-05
397	139	-2.45	-3.63	-0.64	3.90e-06	-9.47e-04	2.23e-04
397	147	-4.91	-2.23	-0.49	7.34e-06	-1.89e-03	4.21e-04
397	165	-0.24	-3.43	-0.68	0.0	-9.22e-05	2.20e-05
397	171	-2.77	-4.08	-0.66	4.41e-06	-1.07e-03	2.52e-04
397	179	-4.93	-2.21	-0.49	7.37e-06	-1.90e-03	4.23e-04
397	197	-0.25	-3.39	-0.68	0.0	-9.79e-05	2.43e-05
397	203	-2.84	-4.05	-0.66	4.53e-06	-1.10e-03	2.59e-04
397	211	-5.81	-2.58	-0.50	8.69e-06	-2.24e-03	4.98e-04
397	229	-0.31	-3.94	-0.71	0.0	-1.19e-04	3.03e-05
397	235	-3.39	-4.72	-0.69	5.43e-06	-1.31e-03	3.10e-04
398	4	-9.27e-03	0.35	-1.39	0.0	1.14e-06	3.29e-06
398	16	-0.01	0.66	-0.79	0.0	-1.33e-06	3.09e-06
398	44	-0.01	-0.77	-1.21	0.0	0.0	3.11e-06
398	68	-6.99e-03	0.23	-0.98	0.0	0.0	2.39e-06
398	73	-9.06e-03	0.44	-0.58	0.0	0.0	2.25e-06
398	88	-7.52e-03	-0.52	-0.85	0.0	0.0	2.27e-06
398	98	-5.34e-03	-0.04	-0.81	0.0	0.0	1.89e-06
398	102	-6.59e-03	0.07	-0.53	0.0	0.0	1.76e-06
398	105	-5.79e-03	-0.13	-0.77	0.0	0.0	1.91e-06
398	106	-6.10e-03	-0.03	-0.53	0.0	0.0	1.67e-06
398	107	-5.45e-03	-0.04	-0.77	0.0	0.0	1.86e-06
398	115	-5.26	-2.30	-0.68	0.0	-1.70e-03	4.32e-04
398	132	3.09	4.12	-0.87	0.0	9.99e-04	-2.52e-04
398	139	-2.97	-4.21	-0.67	0.0	-9.57e-04	2.58e-04
398	147	-5.93	-2.58	-0.67	0.0	-1.91e-03	4.87e-04
398	164	3.49	4.64	-0.88	0.0	1.13e-03	-2.84e-04
398	171	-3.36	-4.73	-0.66	0.0	-1.08e-03	2.91e-04
398	179	-5.97	-2.56	-0.67	0.0	-1.92e-03	4.89e-04
398	196	3.52	4.60	-0.88	0.0	1.14e-03	-2.88e-04
398	203	-3.44	-4.69	-0.67	0.0	-1.11e-03	2.99e-04
398	211	-7.03	-2.98	-0.65	0.0	-2.27e-03	5.76e-04
398	228	4.16	5.36	-0.89	0.0	1.34e-03	-3.41e-04
398	235	-4.11	-5.48	-0.65	0.0	-1.33e-03	3.59e-04
399	16	-0.01	0.66	-0.62	0.0	-4.76e-06	3.40e-06
399	28	-7.37e-03	-0.49	-1.16	0.0	-4.07e-06	3.57e-06

399	44	-8.84e-03	-0.77	-1.02	0.0	-4.52e-06	3.54e-06
399	73	-8.12e-03	0.44	-0.45	0.0	-3.51e-06	2.48e-06
399	80	-5.64e-03	-0.33	-0.81	0.0	-3.04e-06	2.60e-06
399	88	-6.62e-03	-0.52	-0.72	0.0	-3.34e-06	2.58e-06
399	98	-4.61e-03	-0.04	-0.66	0.0	-2.49e-06	2.18e-06
399	102	-5.88e-03	0.07	-0.43	0.0	-2.74e-06	1.98e-06
399	105	-5.04e-03	-0.13	-0.63	0.0	-2.63e-06	2.19e-06
399	106	-5.43e-03	-0.02	-0.44	0.0	-2.61e-06	1.89e-06
399	107	-4.73e-03	-0.04	-0.63	0.0	-2.51e-06	2.14e-06
399	115	-5.08	-2.29	-0.66	5.15e-06	-1.68e-03	4.35e-04
399	133	-0.25	-3.53	-0.86	0.0	-8.16e-05	2.20e-05
399	139	-2.86	-4.21	-0.84	3.24e-06	-9.47e-04	2.59e-04
399	147	-5.72	-2.58	-0.66	5.81e-06	-1.89e-03	4.90e-04
399	165	-0.28	-3.97	-0.89	0.0	-9.27e-05	2.50e-05
399	171	-3.23	-4.73	-0.86	3.66e-06	-1.07e-03	2.93e-04
399	179	-5.75	-2.56	-0.66	5.79e-06	-1.90e-03	4.92e-04
399	197	-0.30	-3.93	-0.88	0.0	-9.83e-05	2.78e-05
399	203	-3.31	-4.69	-0.86	3.72e-06	-1.10e-03	3.01e-04
399	211	-6.78	-2.98	-0.67	6.80e-06	-2.24e-03	5.80e-04
399	229	-0.36	-4.57	-0.92	0.0	-1.19e-04	3.48e-05
399	235	-3.95	-5.48	-0.90	4.46e-06	-1.31e-03	3.61e-04
400	16	-0.01	0.82	-1.13	-3.28e-04	9.15e-05	-4.34e-06
400	18	-9.13e-03	0.82	-1.76	-5.23e-04	1.19e-04	-6.53e-06
400	28	-5.61e-03	-0.46	-2.09	-6.13e-04	1.32e-04	-8.32e-06
400	73	-8.32e-03	0.55	-0.82	-2.37e-04	6.77e-05	-3.24e-06
400	75	-6.82e-03	0.55	-1.24	-3.67e-04	8.62e-05	-4.70e-06
400	80	-4.47e-03	-0.30	-1.46	-4.28e-04	9.46e-05	-5.90e-06
400	98	-3.57e-03	0.02	-1.20	-3.50e-04	8.19e-05	-5.04e-06
400	102	-5.64e-03	0.12	-0.78	-2.20e-04	6.32e-05	-3.45e-06
400	103	-4.35e-03	0.12	-1.13	-3.31e-04	7.91e-05	-4.70e-06
400	106	-5.07e-03	0.01	-0.78	-2.20e-04	6.33e-05	-3.58e-06
400	107	-3.78e-03	0.02	-1.14	-3.32e-04	7.92e-05	-4.83e-06
400	115	-5.98	-2.56	-1.13	-3.30e-04	-1.01e-03	4.30e-04
400	133	-0.28	-3.97	-1.32	-3.71e-04	-3.69e-06	1.93e-05
400	136	3.37	4.77	-0.99	-2.98e-04	6.95e-04	-2.69e-04
400	147	-6.75	-2.88	-1.13	-3.30e-04	-1.15e-03	4.85e-04
400	165	-0.32	-4.47	-1.34	-3.76e-04	-1.41e-05	2.29e-05
400	168	3.81	5.37	-0.97	-2.94e-04	7.74e-04	-3.04e-04
400	179	-6.78	-2.86	-1.13	-3.31e-04	-1.14e-03	4.85e-04
400	197	-0.34	-4.42	-1.34	-3.75e-04	-1.38e-05	2.56e-05
400	200	3.90	5.33	-0.98	-2.94e-04	7.77e-04	-3.11e-04
400	211	-8.00	-3.34	-1.12	-3.31e-04	-1.35e-03	5.72e-04
400	229	-0.41	-5.15	-1.37	-3.82e-04	-2.95e-05	3.35e-05
400	232	4.67	6.22	-0.95	-2.88e-04	9.06e-04	-3.72e-04
401	16	-0.01	0.81	-0.90	-4.42e-04	9.41e-05	0.0
401	18	-0.01	0.82	-1.40	-6.80e-04	1.22e-04	0.0
401	28	-0.01	-0.45	-1.70	-8.06e-04	1.36e-04	-1.24e-06
401	73	-0.01	0.54	-0.66	-3.21e-04	6.97e-05	0.0
401	75	-9.57e-03	0.55	-0.99	-4.80e-04	8.85e-05	0.0
401	80	-7.88e-03	-0.30	-1.19	-5.64e-04	9.73e-05	0.0
401	98	-6.46e-03	0.02	-0.97	-4.62e-04	8.41e-05	0.0
401	102	-7.66e-03	0.12	-0.63	-3.00e-04	6.52e-05	0.0
401	103	-7.07e-03	0.12	-0.91	-4.37e-04	8.13e-05	0.0
401	106	-7.16e-03	0.01	-0.64	-3.03e-04	6.53e-05	0.0
401	107	-6.56e-03	0.02	-0.92	-4.39e-04	8.14e-05	0.0
401	115	-5.81	-2.56	-0.95	-4.38e-04	-1.01e-03	4.70e-04
401	133	-0.28	-3.96	-1.19	-5.13e-04	-3.12e-06	2.23e-05
401	136	3.26	4.77	-0.68	-3.75e-04	6.98e-04	-2.83e-04
401	147	-6.54	-2.88	-0.96	-4.38e-04	-1.15e-03	5.30e-04
401	165	-0.32	-4.46	-1.23	-5.23e-04	-1.37e-05	2.59e-05
401	168	3.69	5.36	-0.65	-3.67e-04	7.77e-04	-3.20e-04
401	179	-6.58	-2.85	-0.96	-4.39e-04	-1.14e-03	5.32e-04
401	197	-0.34	-4.41	-1.22	-5.21e-04	-1.31e-05	2.89e-05
401	200	3.77	5.32	-0.65	-3.68e-04	7.79e-04	-3.28e-04
401	211	-7.75	-3.34	-0.97	-4.39e-04	-1.35e-03	6.27e-04
401	229	-0.41	-5.14	-1.27	-5.34e-04	-2.89e-05	3.68e-05
401	232	4.51	6.21	-0.61	-3.57e-04	9.07e-04	-3.94e-04
402	16	-7.43e-03	0.54	-0.19	0.0	-3.07e-06	3.80e-06
402	28	-3.99e-03	-0.46	-0.37	0.0	-1.78e-06	4.39e-06
402	44	-5.29e-03	-0.69	-0.32	0.0	-2.30e-06	4.20e-06
402	73	-5.44e-03	0.36	-0.14	0.0	-2.25e-06	2.78e-06
402	80	-3.15e-03	-0.31	-0.26	0.0	-1.39e-06	3.17e-06
402	88	-4.01e-03	-0.47	-0.23	0.0	-1.74e-06	3.05e-06
402	98	-2.54e-03	-0.06	-0.21	0.0	-1.12e-06	2.68e-06
402	102	-3.78e-03	0.04	-0.13	0.0	-1.61e-06	2.29e-06

402	105	-2.90e-03	-0.14	-0.20	0.0	-1.27e-06	2.65e-06
402	106	-3.44e-03	-0.04	-0.13	0.0	-1.47e-06	2.21e-06
402	107	-2.67e-03	-0.05	-0.20	0.0	-1.17e-06	2.61e-06
402	115	-4.16	-1.99	-0.21	-2.73e-06	-1.59e-03	3.73e-04
402	133	-0.21	-3.05	-0.26	0.0	-7.96e-05	1.95e-05
402	139	-2.34	-3.63	-0.25	-1.60e-06	-9.00e-04	2.23e-04
402	147	-4.69	-2.23	-0.21	-3.07e-06	-1.80e-03	4.20e-04
402	165	-0.24	-3.43	-0.26	0.0	-9.05e-05	2.21e-05
402	171	-2.64	-4.08	-0.26	-1.80e-06	-1.02e-03	2.51e-04
402	179	-4.71	-2.21	-0.21	-3.09e-06	-1.80e-03	4.22e-04
402	197	-0.25	-3.39	-0.26	0.0	-9.54e-05	2.44e-05
402	203	-2.70	-4.04	-0.26	-1.86e-06	-1.04e-03	2.58e-04
402	211	-5.55	-2.58	-0.21	-3.65e-06	-2.13e-03	4.97e-04
402	229	-0.30	-3.94	-0.27	0.0	-1.15e-04	3.04e-05
402	235	-3.23	-4.72	-0.27	-2.23e-06	-1.24e-03	3.09e-04
403	16	-8.80e-03	0.66	-0.25	0.0	-2.96e-06	4.38e-06
403	28	-4.83e-03	-0.49	-0.48	0.0	-1.59e-06	5.06e-06
403	44	-6.35e-03	-0.76	-0.42	0.0	-2.15e-06	4.89e-06
403	73	-6.45e-03	0.44	-0.18	0.0	-2.18e-06	3.21e-06
403	80	-3.80e-03	-0.33	-0.34	0.0	-1.26e-06	3.66e-06
403	88	-4.82e-03	-0.51	-0.30	0.0	-1.64e-06	3.55e-06
403	98	-3.07e-03	-0.03	-0.28	0.0	-1.02e-06	3.08e-06
403	102	-4.52e-03	0.07	-0.17	0.0	-1.55e-06	2.66e-06
403	105	-3.50e-03	-0.13	-0.26	0.0	-1.18e-06	3.06e-06
403	106	-4.12e-03	-0.02	-0.17	0.0	-1.41e-06	2.57e-06
403	107	-3.22e-03	-0.03	-0.26	0.0	-1.08e-06	3.01e-06
403	115	-4.84	-2.29	-0.27	-2.92e-06	-1.58e-03	4.44e-04
403	133	-0.24	-3.53	-0.32	0.0	-7.89e-05	2.27e-05
403	139	-2.73	-4.20	-0.32	-1.69e-06	-8.94e-04	2.64e-04
403	147	-5.46	-2.57	-0.27	-3.29e-06	-1.79e-03	5.00e-04
403	165	-0.27	-3.97	-0.33	0.0	-8.96e-05	2.58e-05
403	171	-3.08	-4.72	-0.32	-1.91e-06	-1.01e-03	2.98e-04
403	179	-5.49	-2.55	-0.27	-3.31e-06	-1.79e-03	5.02e-04
403	197	-0.29	-3.92	-0.33	0.0	-9.45e-05	2.86e-05
403	203	-3.15	-4.69	-0.32	-1.96e-06	-1.03e-03	3.07e-04
403	211	-6.46	-2.98	-0.27	-3.91e-06	-2.11e-03	5.92e-04
403	229	-0.35	-4.56	-0.34	0.0	-1.14e-04	3.56e-05
403	235	-3.76	-5.47	-0.33	-2.36e-06	-1.23e-03	3.67e-04
404	16	-9.94e-03	0.81	-0.36	-4.02e-04	8.98e-05	6.46e-06
404	18	-8.04e-03	0.82	-0.59	-6.11e-04	1.17e-04	7.75e-06
404	28	-5.27e-03	-0.45	-0.71	-7.34e-04	1.30e-04	7.98e-06
404	73	-7.29e-03	0.54	-0.26	-2.94e-04	6.64e-05	4.75e-06
404	75	-6.02e-03	0.55	-0.41	-4.33e-04	8.49e-05	5.61e-06
404	80	-4.18e-03	-0.30	-0.50	-5.15e-04	9.32e-05	5.76e-06
404	98	-3.37e-03	0.02	-0.41	-4.20e-04	8.04e-05	4.84e-06
404	102	-5.09e-03	0.12	-0.25	-2.78e-04	6.19e-05	4.06e-06
404	103	-4.00e-03	0.12	-0.38	-3.97e-04	7.77e-05	4.80e-06
404	106	-4.63e-03	0.01	-0.26	-2.81e-04	6.20e-05	3.98e-06
404	107	-3.55e-03	0.02	-0.39	-4.00e-04	7.78e-05	4.71e-06
404	115	-5.53	-2.55	-0.39	-4.09e-04	-1.03e-03	5.23e-04
404	133	-0.28	-3.96	-0.45	-5.02e-04	-1.22e-05	2.71e-05
404	136	3.11	4.76	-0.33	-3.09e-04	7.04e-04	-3.01e-04
404	147	-6.23	-2.88	-0.39	-4.10e-04	-1.17e-03	5.89e-04
404	165	-0.31	-4.46	-0.46	-5.15e-04	-2.34e-05	3.06e-05
404	168	3.51	5.36	-0.32	-2.97e-04	7.83e-04	-3.41e-04
404	179	-6.26	-2.85	-0.39	-4.11e-04	-1.16e-03	5.92e-04
404	197	-0.33	-4.41	-0.45	-5.13e-04	-2.23e-05	3.39e-05
404	200	3.59	5.32	-0.32	-2.98e-04	7.83e-04	-3.51e-04
404	211	-7.37	-3.34	-0.40	-4.14e-04	-1.37e-03	6.97e-04
404	229	-0.40	-5.14	-0.47	-5.31e-04	-3.87e-05	4.20e-05
404	232	4.29	6.21	-0.31	-2.82e-04	9.11e-04	-4.22e-04
405	16	-5.36e-03	0.54	-0.09	0.0	-2.14e-06	4.23e-06
405	28	-1.58e-03	-0.46	-0.20	0.0	0.0	5.06e-06
405	44	-2.98e-03	-0.69	-0.17	0.0	-1.18e-06	4.78e-06
405	73	-3.93e-03	0.36	-0.07	0.0	-1.57e-06	3.09e-06
405	80	-1.41e-03	-0.31	-0.14	0.0	0.0	3.65e-06
405	88	-2.34e-03	-0.46	-0.12	0.0	0.0	3.46e-06
405	98	-1.06e-03	-0.05	-0.11	0.0	0.0	3.09e-06
405	102	-2.53e-03	0.04	-0.07	0.0	-1.01e-06	2.57e-06
405	105	-1.45e-03	-0.13	-0.11	0.0	0.0	3.04e-06
405	106	-2.23e-03	-0.04	-0.07	0.0	0.0	2.49e-06
405	107	-1.23e-03	-0.05	-0.11	0.0	0.0	3.00e-06
405	115	-3.98	-1.98	-0.11	0.0	-1.51e-03	3.72e-04
405	133	-0.20	-3.05	-0.12	0.0	-7.78e-05	1.97e-05
405	139	-2.24	-3.62	-0.12	0.0	-8.53e-04	2.21e-04

405	147	-4.48	-2.23	-0.11	0.0	-1.70e-03	4.19e-04
405	165	-0.23	-3.43	-0.12	0.0	-8.84e-05	2.23e-05
405	171	-2.53	-4.07	-0.12	0.0	-9.64e-04	2.50e-04
405	179	-4.50	-2.21	-0.11	0.0	-1.71e-03	4.20e-04
405	197	-0.24	-3.39	-0.12	0.0	-9.26e-05	2.45e-05
405	203	-2.58	-4.04	-0.12	0.0	-9.84e-04	2.57e-04
405	211	-5.30	-2.57	-0.11	0.0	-2.01e-03	4.95e-04
405	229	-0.29	-3.94	-0.12	0.0	-1.12e-04	3.04e-05
405	235	-3.08	-4.71	-0.12	0.0	-1.17e-03	3.07e-04
406	16	-6.26e-03	0.67	-0.12	0.0	-1.82e-06	4.87e-06
406	28	-1.80e-03	-0.48	-0.26	0.0	0.0	5.82e-06
406	44	-3.45e-03	-0.76	-0.22	0.0	0.0	5.56e-06
406	73	-4.59e-03	0.44	-0.09	0.0	-1.33e-06	3.56e-06
406	80	-1.62e-03	-0.32	-0.18	0.0	0.0	4.20e-06
406	88	-2.71e-03	-0.51	-0.15	0.0	0.0	4.03e-06
406	98	-1.22e-03	-0.03	-0.15	0.0	0.0	3.54e-06
406	102	-2.95e-03	0.07	-0.09	0.0	0.0	2.98e-06
406	105	-1.67e-03	-0.12	-0.14	0.0	0.0	3.50e-06
406	106	-2.59e-03	-0.02	-0.09	0.0	0.0	2.90e-06
406	107	-1.42e-03	-0.03	-0.14	0.0	0.0	3.45e-06
406	115	-4.63	-2.28	-0.14	0.0	-1.50e-03	4.48e-04
406	133	-0.24	-3.52	-0.15	0.0	-7.66e-05	2.30e-05
406	139	-2.60	-4.19	-0.15	0.0	-8.45e-04	2.66e-04
406	147	-5.22	-2.57	-0.14	0.0	-1.69e-03	5.05e-04
406	165	-0.27	-3.96	-0.15	0.0	-8.71e-05	2.61e-05
406	171	-2.94	-4.72	-0.15	0.0	-9.55e-04	3.01e-04
406	179	-5.24	-2.55	-0.14	0.0	-1.69e-03	5.07e-04
406	197	-0.28	-3.92	-0.15	0.0	-9.13e-05	2.89e-05
406	203	-3.00	-4.68	-0.15	0.0	-9.75e-04	3.09e-04
406	211	-6.17	-2.97	-0.14	0.0	-2.00e-03	5.97e-04
406	229	-0.34	-4.56	-0.16	0.0	-1.10e-04	3.59e-05
406	235	-3.59	-5.47	-0.15	0.0	-1.16e-03	3.70e-04
407	16	-6.81e-03	0.81	-0.17	-2.49e-04	8.58e-05	5.41e-06
407	18	-4.32e-03	0.82	-0.31	-3.77e-04	1.13e-04	6.38e-06
407	28	-1.51e-03	-0.45	-0.38	-4.57e-04	1.25e-04	6.44e-06
407	73	-4.99e-03	0.54	-0.12	-1.82e-04	6.34e-05	3.97e-06
407	75	-3.33e-03	0.55	-0.22	-2.67e-04	8.15e-05	4.62e-06
407	80	-1.46e-03	-0.30	-0.26	-3.21e-04	8.94e-05	4.66e-06
407	98	-1.07e-03	0.02	-0.21	-2.61e-04	7.70e-05	3.91e-06
407	102	-3.14e-03	0.12	-0.12	-1.74e-04	5.89e-05	3.35e-06
407	103	-1.71e-03	0.12	-0.20	-2.47e-04	7.44e-05	3.91e-06
407	106	-2.73e-03	0.01	-0.12	-1.76e-04	5.90e-05	3.26e-06
407	107	-1.31e-03	0.02	-0.20	-2.49e-04	7.45e-05	3.82e-06
407	115	-5.27	-2.55	-0.20	-2.58e-04	-1.05e-03	5.25e-04
407	133	-0.27	-3.96	-0.22	-3.18e-04	-2.06e-05	2.62e-05
407	136	2.96	4.76	-0.19	-1.86e-04	7.09e-04	-3.03e-04
407	147	-5.94	-2.88	-0.20	-2.59e-04	-1.19e-03	5.91e-04
407	165	-0.31	-4.46	-0.22	-3.27e-04	-3.24e-05	2.97e-05
407	168	3.35	5.36	-0.19	-1.78e-04	7.90e-04	-3.44e-04
407	179	-5.97	-2.85	-0.20	-2.60e-04	-1.18e-03	5.94e-04
407	197	-0.32	-4.41	-0.22	-3.25e-04	-3.09e-05	3.30e-05
407	200	3.42	5.32	-0.19	-1.79e-04	7.88e-04	-3.53e-04
407	211	-7.03	-3.34	-0.20	-2.62e-04	-1.39e-03	7.00e-04
407	229	-0.39	-5.14	-0.22	-3.37e-04	-4.80e-05	4.11e-05
407	232	4.08	6.21	-0.19	-1.68e-04	9.17e-04	-4.25e-04
408	20	-3.06e-03	0.56	-0.04	0.0	-1.38e-06	3.76e-06
408	28	1.22e-03	-0.45	-0.14	0.0	0.0	6.07e-06
408	44	-3.49e-04	-0.69	-0.12	0.0	0.0	5.62e-06
408	73	-2.24e-03	0.36	-0.04	0.0	-1.04e-06	3.54e-06
408	80	6.09e-04	-0.31	-0.10	0.0	0.0	4.35e-06
408	88	-4.38e-04	-0.46	-0.08	0.0	0.0	4.05e-06
408	98	6.46e-04	-0.05	-0.08	0.0	0.0	3.69e-06
408	102	-1.12e-03	0.05	-0.04	0.0	0.0	2.95e-06
408	105	2.30e-04	-0.13	-0.08	0.0	0.0	3.60e-06
408	106	-8.61e-04	-0.03	-0.04	0.0	0.0	2.86e-06
408	107	4.30e-04	-0.05	-0.08	0.0	0.0	3.57e-06
408	112	3.80	1.88	-0.07	0.0	1.43e-03	-3.57e-04
408	115	-3.80	-1.98	-0.08	0.0	-1.43e-03	3.64e-04
408	139	-2.14	-3.62	-0.08	0.0	-8.05e-04	2.17e-04
408	144	4.29	2.13	-0.07	0.0	1.61e-03	-4.03e-04
408	147	-4.29	-2.22	-0.08	0.0	-1.61e-03	4.10e-04
408	171	-2.42	-4.07	-0.08	0.0	-9.09e-04	2.45e-04
408	176	4.30	2.11	-0.07	0.0	1.61e-03	-4.04e-04
408	179	-4.30	-2.21	-0.08	0.0	-1.61e-03	4.11e-04
408	203	-2.46	-4.04	-0.08	0.0	-9.27e-04	2.51e-04

408	208	5.06	2.47	-0.07	0.0	1.90e-03	-4.76e-04
408	211	-5.06	-2.57	-0.08	0.0	-1.90e-03	4.84e-04
408	235	-2.94	-4.71	-0.08	0.0	-1.11e-03	3.01e-04
409	20	-3.65e-03	0.68	-0.05	0.0	-1.39e-06	4.11e-06
409	28	1.36e-03	-0.47	-0.19	0.0	0.0	6.52e-06
409	44	-4.34e-04	-0.75	-0.15	0.0	0.0	6.14e-06
409	73	-2.67e-03	0.45	-0.06	0.0	-1.03e-06	3.87e-06
409	80	6.64e-04	-0.32	-0.13	0.0	0.0	4.69e-06
409	88	-5.31e-04	-0.50	-0.11	0.0	0.0	4.43e-06
409	98	6.97e-04	-0.03	-0.11	0.0	0.0	3.96e-06
409	102	-1.34e-03	0.08	-0.06	0.0	0.0	3.24e-06
409	105	2.23e-04	-0.12	-0.10	0.0	0.0	3.89e-06
409	106	-1.03e-03	-0.02	-0.06	0.0	0.0	3.15e-06
409	107	4.50e-04	-0.02	-0.10	0.0	0.0	3.84e-06
409	112	4.42	2.23	-0.09	0.0	1.41e-03	-4.37e-04
409	115	-4.41	-2.28	-0.11	0.0	-1.41e-03	4.44e-04
409	139	-2.48	-4.19	-0.10	0.0	-7.95e-04	2.64e-04
409	144	4.98	2.52	-0.09	0.0	1.59e-03	-4.93e-04
409	147	-4.98	-2.56	-0.11	0.0	-1.59e-03	5.00e-04
409	171	-2.81	-4.71	-0.10	0.0	-8.98e-04	2.98e-04
409	176	4.99	2.49	-0.09	0.0	1.59e-03	-4.95e-04
409	179	-4.99	-2.54	-0.11	0.0	-1.59e-03	5.02e-04
409	203	-2.86	-4.68	-0.10	0.0	-9.16e-04	3.06e-04
409	208	5.88	2.92	-0.09	0.0	1.88e-03	-5.84e-04
409	211	-5.88	-2.97	-0.11	0.0	-1.88e-03	5.92e-04
409	235	-3.41	-5.46	-0.10	0.0	-1.09e-03	3.67e-04
410	16	-4.29e-03	0.81	-0.11	-1.01e-04	8.18e-05	5.20e-06
410	18	-1.38e-03	0.82	-0.22	-1.53e-04	1.08e-04	6.12e-06
410	28	1.45e-03	-0.45	-0.27	-1.94e-04	1.20e-04	6.14e-06
410	73	-3.14e-03	0.54	-0.08	-7.45e-05	6.04e-05	3.81e-06
410	75	-1.20e-03	0.55	-0.15	-1.09e-04	7.81e-05	4.43e-06
410	80	6.87e-04	-0.30	-0.18	-1.36e-04	8.56e-05	4.44e-06
410	98	7.15e-04	0.02	-0.15	-1.10e-04	7.37e-05	3.72e-06
410	102	-1.58e-03	0.12	-0.08	-7.39e-05	5.59e-05	3.20e-06
410	103	7.60e-05	0.12	-0.14	-1.04e-04	7.11e-05	3.73e-06
410	106	-1.22e-03	0.01	-0.08	-7.54e-05	5.59e-05	3.11e-06
410	107	4.38e-04	0.02	-0.14	-1.05e-04	7.11e-05	3.64e-06
410	112	5.02	2.59	-0.13	-8.70e-05	9.64e-04	-5.18e-04
410	115	-5.02	-2.55	-0.15	-1.23e-04	-8.22e-04	5.25e-04
410	136	2.83	4.76	-0.14	-6.34e-05	-9.38e-05	-3.04e-04
410	144	5.66	2.91	-0.13	-8.48e-05	1.08e-03	-5.85e-04
410	147	-5.66	-2.88	-0.15	-1.26e-04	-9.35e-04	5.92e-04
410	168	3.19	5.36	-0.14	-5.82e-05	-1.14e-04	-3.44e-04
410	176	5.68	2.89	-0.14	-8.52e-05	1.07e-03	-5.88e-04
410	179	-5.68	-2.85	-0.15	-1.25e-04	-9.24e-04	5.95e-04
410	200	3.25	5.32	-0.14	-5.90e-05	-1.07e-04	-3.54e-04
410	208	6.68	3.37	-0.13	-8.19e-05	1.24e-03	-6.94e-04
410	211	-6.68	-3.34	-0.15	-1.29e-04	-1.09e-03	7.01e-04
410	232	3.88	6.21	-0.14	-5.14e-05	-1.28e-04	-4.26e-04
411	28	4.65e-03	-0.45	-0.15	0.0	1.13e-06	7.71e-06
411	44	2.80e-03	-0.68	-0.12	0.0	0.0	6.96e-06
411	52	5.50e-03	-0.09	-0.15	0.0	1.33e-06	7.66e-06
411	80	3.06e-03	-0.30	-0.10	0.0	0.0	5.49e-06
411	88	1.83e-03	-0.46	-0.08	0.0	0.0	4.99e-06
411	92	3.63e-03	-0.06	-0.10	0.0	0.0	5.45e-06
411	98	2.73e-03	-0.05	-0.08	0.0	0.0	4.65e-06
411	105	2.25e-03	-0.13	-0.08	0.0	0.0	4.49e-06
411	107	2.44e-03	-0.05	-0.08	0.0	0.0	4.48e-06
411	112	3.64	1.89	-0.08	0.0	1.34e-03	-3.41e-04
411	139	-2.04	-3.62	-0.07	0.0	-7.56e-04	2.09e-04
411	144	4.10	2.13	-0.09	0.0	1.51e-03	-3.84e-04
411	171	-2.31	-4.07	-0.07	0.0	-8.54e-04	2.36e-04
411	176	4.11	2.11	-0.08	0.0	1.52e-03	-3.85e-04
411	203	-2.35	-4.04	-0.07	0.0	-8.69e-04	2.41e-04
411	208	4.84	2.47	-0.09	0.0	1.78e-03	-4.54e-04
411	235	-2.80	-4.71	-0.07	0.0	-1.04e-03	2.88e-04
412	28	4.98e-03	-0.47	-0.19	0.0	0.0	7.58e-06
412	44	2.96e-03	-0.74	-0.16	0.0	0.0	7.01e-06
412	52	5.91e-03	-0.04	-0.19	0.0	0.0	7.43e-06
412	80	3.27e-03	-0.31	-0.13	0.0	0.0	5.43e-06
412	88	1.91e-03	-0.50	-0.11	0.0	0.0	5.04e-06
412	92	3.88e-03	-0.03	-0.13	0.0	0.0	5.32e-06
412	98	2.89e-03	-0.02	-0.11	0.0	0.0	4.59e-06
412	105	2.38e-03	-0.12	-0.10	0.0	0.0	4.47e-06
412	107	2.58e-03	-0.02	-0.10	0.0	0.0	4.44e-06

412	112	4.21	2.23	-0.11	0.0	1.31e-03	-4.30e-04
412	139	-2.37	-4.19	-0.10	0.0	-7.40e-04	2.61e-04
412	144	4.75	2.52	-0.11	0.0	1.48e-03	-4.85e-04
412	171	-2.67	-4.71	-0.09	0.0	-8.36e-04	2.94e-04
412	176	4.76	2.50	-0.11	0.0	1.48e-03	-4.87e-04
412	203	-2.72	-4.67	-0.10	0.0	-8.51e-04	3.02e-04
412	208	5.60	2.92	-0.11	0.0	1.74e-03	-5.75e-04
412	235	-3.24	-5.46	-0.09	0.0	-1.01e-03	3.62e-04
413	4	4.49e-03	0.51	-0.27	4.16e-05	1.15e-04	6.92e-06
413	18	2.08e-03	0.82	-0.22	3.95e-05	1.04e-04	6.75e-06
413	52	5.89e-03	0.03	-0.26	3.63e-05	1.15e-04	6.48e-06
413	68	2.91e-03	0.34	-0.18	2.83e-05	8.21e-05	4.99e-06
413	75	1.30e-03	0.55	-0.15	2.69e-05	7.47e-05	4.88e-06
413	92	3.84e-03	0.02	-0.18	2.47e-05	8.20e-05	4.70e-06
413	98	2.82e-03	0.02	-0.15	1.90e-05	7.03e-05	4.12e-06
413	103	2.18e-03	0.12	-0.14	1.89e-05	6.78e-05	4.12e-06
413	107	2.50e-03	0.02	-0.14	1.77e-05	6.78e-05	4.02e-06
413	112	4.77	2.59	-0.15	3.78e-05	9.71e-04	-5.18e-04
413	136	2.69	4.76	-0.15	4.54e-05	-1.06e-04	-3.04e-04
413	144	5.38	2.91	-0.15	4.03e-05	1.09e-03	-5.85e-04
413	168	3.03	5.36	-0.15	4.89e-05	-1.27e-04	-3.44e-04
413	176	5.39	2.89	-0.15	4.02e-05	1.07e-03	-5.88e-04
413	200	3.09	5.32	-0.15	4.86e-05	-1.20e-04	-3.54e-04
413	208	6.35	3.37	-0.15	4.41e-05	1.24e-03	-6.94e-04
413	232	3.68	6.21	-0.15	5.38e-05	-1.43e-04	-4.26e-04
414	28	9.28e-03	-0.45	-0.22	0.0	1.91e-06	9.97e-06
414	44	6.94e-03	-0.68	-0.19	0.0	1.47e-06	8.84e-06
414	52	0.01	-0.08	-0.22	0.0	2.02e-06	1.00e-05
414	80	6.35e-03	-0.30	-0.15	0.0	1.30e-06	7.07e-06
414	88	4.79e-03	-0.46	-0.13	0.0	1.00e-06	6.31e-06
414	92	6.91e-03	-0.06	-0.15	0.0	1.37e-06	7.08e-06
414	98	5.51e-03	-0.05	-0.13	0.0	1.07e-06	5.98e-06
414	105	4.93e-03	-0.13	-0.12	0.0	0.0	5.73e-06
414	107	5.11e-03	-0.05	-0.12	0.0	0.0	5.73e-06
414	112	3.50	1.89	-0.13	0.0	1.24e-03	-3.27e-04
414	124	-0.18	3.35	-0.13	0.0	-6.47e-05	1.93e-05
414	139	-1.96	-3.62	-0.11	0.0	-7.00e-04	2.03e-04
414	144	3.94	2.13	-0.13	0.0	1.40e-03	-3.69e-04
414	156	-0.21	3.78	-0.14	0.0	-7.33e-05	2.14e-05
414	171	-2.21	-4.07	-0.11	0.0	-7.91e-04	2.29e-04
414	176	3.95	2.11	-0.13	0.0	1.40e-03	-3.68e-04
414	188	-0.21	3.71	-0.14	0.0	-7.50e-05	2.34e-05
414	203	-2.25	-4.03	-0.11	0.0	-8.03e-04	2.33e-04
414	208	4.64	2.48	-0.14	0.0	1.65e-03	-4.34e-04
414	220	-0.25	4.31	-0.14	0.0	-8.93e-05	2.84e-05
414	235	-2.68	-4.71	-0.11	0.0	-9.57e-04	2.79e-04
415	4	9.32e-03	0.38	-0.28	0.0	0.0	9.05e-06
415	44	6.97e-03	-0.74	-0.24	0.0	0.0	7.86e-06
415	52	0.01	-0.04	-0.28	0.0	0.0	8.54e-06
415	68	6.37e-03	0.25	-0.20	0.0	0.0	6.44e-06
415	88	4.80e-03	-0.49	-0.17	0.0	0.0	5.65e-06
415	92	6.97e-03	-0.02	-0.20	0.0	0.0	6.10e-06
415	98	5.54e-03	-0.02	-0.16	0.0	0.0	5.22e-06
415	105	4.95e-03	-0.11	-0.15	0.0	0.0	5.05e-06
415	107	5.14e-03	-0.02	-0.15	0.0	0.0	5.03e-06
415	109	4.01	-1.20e-03	-0.17	0.0	1.19e-03	-4.30e-04
415	112	4.02	2.24	-0.16	0.0	1.20e-03	-4.31e-04
415	139	-2.25	-4.18	-0.16	0.0	-6.76e-04	2.62e-04
415	141	4.52	3.68e-03	-0.17	0.0	1.35e-03	-4.85e-04
415	144	4.53	2.52	-0.16	0.0	1.35e-03	-4.86e-04
415	171	-2.55	-4.71	-0.16	0.0	-7.63e-04	2.95e-04
415	173	4.53	0.02	-0.17	0.0	1.35e-03	-4.87e-04
415	176	4.54	2.50	-0.16	0.0	1.35e-03	-4.88e-04
415	203	-2.59	-4.67	-0.16	0.0	-7.75e-04	3.03e-04
415	205	5.33	0.04	-0.17	0.0	1.59e-03	-5.75e-04
415	208	5.34	2.92	-0.16	0.0	1.59e-03	-5.76e-04
415	235	-3.08	-5.45	-0.16	0.0	-9.23e-04	3.63e-04
416	4	8.25e-03	0.51	-0.35	2.45e-04	1.10e-04	7.03e-06
416	18	5.73e-03	0.82	-0.30	2.17e-04	9.93e-05	6.85e-06
416	52	9.41e-03	0.03	-0.35	2.40e-04	1.10e-04	6.58e-06
416	68	5.62e-03	0.34	-0.24	1.71e-04	7.85e-05	5.07e-06
416	75	3.94e-03	0.55	-0.21	1.52e-04	7.13e-05	4.95e-06
416	92	6.39e-03	0.02	-0.24	1.67e-04	7.82e-05	4.77e-06
416	98	5.06e-03	0.02	-0.20	1.36e-04	6.69e-05	4.17e-06
416	103	4.42e-03	0.12	-0.19	1.30e-04	6.45e-05	4.17e-06

416	107	4.68e-03	0.02	-0.19	1.29e-04	6.44e-05	4.07e-06
416	109	4.52	0.04	-0.21	1.43e-04	9.82e-04	-5.15e-04
416	112	4.53	2.59	-0.20	1.57e-04	9.79e-04	-5.16e-04
416	136	2.55	4.77	-0.18	1.52e-04	-1.18e-04	-3.02e-04
416	141	5.09	0.05	-0.21	1.45e-04	1.10e-03	-5.81e-04
416	144	5.10	2.92	-0.20	1.60e-04	1.10e-03	-5.82e-04
416	168	2.88	5.36	-0.18	1.55e-04	-1.40e-04	-3.42e-04
416	173	5.10	0.06	-0.21	1.45e-04	1.08e-03	-5.84e-04
416	176	5.11	2.89	-0.20	1.60e-04	1.08e-03	-5.85e-04
416	200	2.93	5.32	-0.18	1.55e-04	-1.33e-04	-3.52e-04
416	205	6.00	0.09	-0.21	1.48e-04	1.26e-03	-6.89e-04
416	208	6.01	3.38	-0.20	1.65e-04	1.25e-03	-6.91e-04
416	232	3.48	6.21	-0.18	1.59e-04	-1.58e-04	-4.24e-04
417	4	4.48e-03	0.09	-0.16	0.0	9.07e-06	0.0
417	43	3.29e-03	-0.21	-0.11	0.0	6.66e-06	0.0
417	52	5.03e-03	-6.25e-03	-0.15	0.0	1.02e-05	0.0
417	68	3.12e-03	0.06	-0.11	0.0	6.31e-06	0.0
417	87	2.33e-03	-0.14	-0.08	0.0	4.71e-06	0.0
417	92	3.49e-03	-4.67e-03	-0.11	0.0	7.05e-06	0.0
417	98	2.85e-03	-4.64e-03	-0.09	0.0	5.77e-06	0.0
417	105	2.58e-03	-0.03	-0.08	0.0	5.21e-06	0.0
417	107	2.68e-03	-4.59e-03	-0.08	0.0	5.43e-06	0.0
417	112	1.03	-5.48e-03	-0.10	0.0	2.05e-03	1.97e-04
417	129	0.58	-0.74	-0.05	0.0	1.16e-03	1.11e-04
417	130	-0.58	0.73	-0.11	0.0	-1.15e-03	-1.11e-04
417	144	1.17	-6.04e-03	-0.10	0.0	2.31e-03	2.22e-04
417	161	0.66	-0.83	-0.05	0.0	1.31e-03	1.26e-04
417	162	-0.65	0.82	-0.12	0.0	-1.30e-03	-1.26e-04
417	176	1.17	-8.72e-03	-0.10	0.0	2.33e-03	2.23e-04
417	193	0.68	-0.82	-0.05	0.0	1.35e-03	1.29e-04
417	194	-0.67	0.81	-0.12	0.0	-1.33e-03	-1.29e-04
417	216	1.41	-0.04	-0.09	0.0	2.79e-03	2.61e-04
417	225	0.81	-0.96	-0.05	0.0	1.61e-03	1.54e-04
417	226	-0.81	0.95	-0.12	0.0	-1.60e-03	-1.54e-04
418	1	0.0	0.0	0.0	0.0	3.42e-06	0.0
418	65	0.0	0.0	0.0	0.0	2.54e-06	0.0
418	97	0.0	0.0	0.0	0.0	3.25e-06	0.0
418	106	0.0	0.0	0.0	0.0	3.25e-06	0.0
418	108	0.0	0.0	0.0	0.0	1.62e-03	9.36e-06
418	140	0.0	0.0	0.0	0.0	1.83e-03	1.05e-05
418	172	0.0	0.0	0.0	0.0	1.84e-03	1.06e-05
418	204	0.0	0.0	0.0	0.0	2.16e-03	1.25e-05
419	4	9.37e-03	0.18	-0.27	0.0	9.80e-06	0.0
419	43	6.88e-03	-0.39	-0.20	0.0	7.21e-06	0.0
419	52	0.01	-0.01	-0.26	0.0	1.10e-05	0.0
419	68	6.52e-03	0.12	-0.19	0.0	6.82e-06	0.0
419	87	4.86e-03	-0.26	-0.14	0.0	5.10e-06	0.0
419	92	7.29e-03	-7.56e-03	-0.18	0.0	7.63e-06	0.0
419	98	5.96e-03	-7.61e-03	-0.15	0.0	6.24e-06	0.0
419	105	5.39e-03	-0.06	-0.14	0.0	5.64e-06	0.0
419	107	5.61e-03	-7.54e-03	-0.14	0.0	5.87e-06	0.0
419	112	2.14	-8.68e-03	-0.17	0.0	2.20e-03	2.52e-04
419	129	1.21	-1.48	-0.08	0.0	1.24e-03	1.43e-04
419	130	-1.19	1.46	-0.21	0.0	-1.23e-03	-1.44e-04
419	144	2.41	-9.72e-03	-0.17	0.0	2.48e-03	2.84e-04
419	161	1.36	-1.66	-0.08	0.0	1.40e-03	1.62e-04
419	162	-1.35	1.65	-0.21	0.0	-1.39e-03	-1.63e-04
419	176	2.43	-0.02	-0.17	0.0	2.50e-03	2.85e-04
419	193	1.40	-1.65	-0.08	0.0	1.44e-03	1.65e-04
419	194	-1.39	1.63	-0.21	0.0	-1.43e-03	-1.66e-04
419	216	2.90	-0.07	-0.15	0.0	2.99e-03	3.29e-04
419	225	1.68	-1.93	-0.06	0.0	1.73e-03	1.97e-04
419	226	-1.67	1.91	-0.22	0.0	-1.72e-03	-1.98e-04
420	4	0.01	0.26	-0.37	0.0	1.06e-05	-1.84e-06
420	41	5.05e-03	-0.54	-0.17	0.0	3.66e-06	0.0
420	52	0.02	-9.36e-03	-0.36	0.0	1.19e-05	-1.73e-06
420	68	0.01	0.17	-0.26	0.0	7.39e-06	-1.32e-06
420	85	3.80e-03	-0.36	-0.12	0.0	2.76e-06	0.0
420	92	0.01	-7.21e-03	-0.25	0.0	8.27e-06	-1.24e-06
420	98	9.38e-03	-7.71e-03	-0.21	0.0	6.76e-06	-1.07e-06
420	104	5.18e-03	-0.08	-0.13	0.0	3.73e-06	0.0
420	106	5.52e-03	-7.85e-03	-0.14	0.0	3.98e-06	0.0
420	107	8.83e-03	-7.73e-03	-0.20	0.0	6.36e-06	-1.03e-06
420	112	3.34	-8.53e-03	-0.24	0.0	2.37e-03	2.04e-04
420	129	1.88	-2.22	-0.11	0.0	1.34e-03	1.19e-04

420	130	-1.87	2.20	-0.29	0.0	-1.32e-03	-1.21e-04
420	144	3.76	-9.96e-03	-0.25	0.0	2.67e-03	2.29e-04
420	161	2.13	-2.50	-0.09	0.0	1.51e-03	1.34e-04
420	162	-2.11	2.48	-0.31	0.0	-1.50e-03	-1.36e-04
420	176	3.79	-0.02	-0.24	0.0	2.69e-03	2.28e-04
420	193	2.19	-2.48	-0.09	0.0	1.55e-03	1.35e-04
420	194	-2.17	2.46	-0.30	0.0	-1.54e-03	-1.37e-04
420	216	4.54	-0.10	-0.21	0.0	3.22e-03	2.55e-04
420	225	2.63	-2.89	-0.08	0.0	1.86e-03	1.60e-04
420	226	-2.61	2.88	-0.32	0.0	-1.85e-03	-1.62e-04
421	4	0.02	0.33	-0.48	0.0	1.13e-05	-3.41e-06
421	41	7.06e-03	-0.66	-0.22	0.0	3.91e-06	-1.53e-06
421	52	0.02	-6.52e-03	-0.46	0.0	1.27e-05	-3.34e-06
421	68	0.01	0.22	-0.34	0.0	7.86e-06	-2.42e-06
421	85	5.32e-03	-0.44	-0.16	0.0	2.94e-06	-1.16e-06
421	92	0.02	-5.30e-03	-0.33	0.0	8.80e-06	-2.37e-06
421	98	0.01	-6.29e-03	-0.27	0.0	7.20e-06	-2.02e-06
421	104	7.23e-03	-0.09	-0.17	0.0	3.97e-06	-1.39e-06
421	106	7.70e-03	-7.20e-03	-0.18	0.0	4.23e-06	-1.45e-06
421	107	0.01	-6.42e-03	-0.26	0.0	6.77e-06	-1.94e-06
421	112	4.63	-6.39e-03	-0.31	0.0	2.51e-03	7.98e-05
421	129	2.61	-2.96	-0.13	0.0	1.42e-03	-2.94e-05
421	130	-2.59	2.95	-0.38	0.0	-1.40e-03	2.55e-05
421	144	5.22	-8.16e-03	-0.32	0.0	2.83e-03	8.99e-05
421	161	2.95	-3.33	-0.12	0.0	1.60e-03	-3.29e-05
421	162	-2.93	3.32	-0.40	0.0	-1.59e-03	2.90e-05
421	176	5.26	-0.02	-0.32	0.0	2.85e-03	8.52e-05
421	193	3.04	-3.30	-0.12	0.0	1.65e-03	-3.33e-05
421	194	-3.01	3.29	-0.40	0.0	-1.63e-03	2.94e-05
421	216	6.29	-0.13	-0.27	0.0	3.41e-03	7.63e-05
421	225	3.64	-3.86	-0.10	0.0	1.97e-03	-3.81e-05
421	226	-3.62	3.85	-0.42	0.0	-1.96e-03	3.42e-05
422	4	4.42e-03	0.09	-0.10	0.0	8.61e-06	0.0
422	43	3.25e-03	-0.20	-0.08	0.0	6.35e-06	0.0
422	52	5.01e-03	-6.44e-03	-0.10	0.0	9.77e-06	0.0
422	68	3.07e-03	0.06	-0.07	0.0	5.99e-06	0.0
422	87	2.29e-03	-0.14	-0.05	0.0	4.47e-06	0.0
422	92	3.46e-03	-4.80e-03	-0.07	0.0	6.76e-06	0.0
422	98	2.82e-03	-4.75e-03	-0.06	0.0	5.51e-06	0.0
422	105	2.55e-03	-0.03	-0.05	0.0	4.97e-06	0.0
422	107	2.65e-03	-4.70e-03	-0.05	0.0	5.18e-06	0.0
422	112	1.11	-5.58e-03	-0.06	0.0	2.15e-03	1.22e-04
422	124	-0.03	0.61	-0.07	0.0	-6.44e-05	-6.22e-06
422	129	0.63	-0.74	-0.04	0.0	1.21e-03	6.89e-05
422	144	1.25	-6.13e-03	-0.06	0.0	2.42e-03	1.37e-04
422	156	-0.04	0.69	-0.07	0.0	-7.52e-05	-7.05e-06
422	161	0.71	-0.83	-0.03	0.0	1.37e-03	7.79e-05
422	176	1.26	-8.82e-03	-0.06	0.0	2.44e-03	1.37e-04
422	188	-0.04	0.68	-0.07	0.0	-8.55e-05	-7.33e-06
422	193	0.73	-0.82	-0.03	0.0	1.41e-03	7.94e-05
422	216	1.51	-0.04	-0.05	0.0	2.91e-03	1.58e-04
422	225	0.87	-0.96	-0.03	0.0	1.69e-03	9.47e-05
422	226	-0.87	0.95	-0.07	0.0	-1.68e-03	-9.51e-05
423	1	0.0	0.0	0.0	0.0	3.19e-06	0.0
423	65	0.0	0.0	0.0	0.0	2.37e-06	0.0
423	97	0.0	0.0	0.0	0.0	3.13e-06	0.0
423	106	0.0	0.0	0.0	0.0	3.13e-06	0.0
423	108	0.0	0.0	0.0	0.0	1.73e-03	6.18e-06
423	140	0.0	0.0	0.0	0.0	1.95e-03	6.97e-06
423	172	0.0	0.0	0.0	0.0	1.96e-03	6.98e-06
423	204	0.0	0.0	0.0	0.0	2.31e-03	8.22e-06
424	4	8.99e-03	0.17	-0.19	0.0	8.96e-06	0.0
424	43	6.62e-03	-0.38	-0.15	0.0	6.63e-06	0.0
424	52	0.01	-0.01	-0.19	0.0	1.02e-05	0.0
424	68	6.25e-03	0.12	-0.13	0.0	6.23e-06	0.0
424	87	4.67e-03	-0.26	-0.11	0.0	4.67e-06	0.0
424	92	7.05e-03	-7.75e-03	-0.13	0.0	7.04e-06	0.0
424	98	5.75e-03	-7.76e-03	-0.11	0.0	5.74e-06	0.0
424	105	5.18e-03	-0.06	-0.10	0.0	5.18e-06	0.0
424	107	5.40e-03	-7.69e-03	-0.10	0.0	5.39e-06	0.0
424	112	2.25	-8.81e-03	-0.12	0.0	2.21e-03	1.76e-04
424	124	-0.07	1.23	-0.14	0.0	-6.59e-05	-1.15e-05
424	129	1.27	-1.48	-0.07	0.0	1.25e-03	1.01e-04
424	144	2.53	-9.84e-03	-0.12	0.0	2.49e-03	1.99e-04
424	156	-0.08	1.38	-0.14	0.0	-7.70e-05	-1.29e-05

424	161	1.43	-1.66	-0.07	0.0	1.41e-03	1.14e-04
424	176	2.55	-0.02	-0.12	0.0	2.51e-03	1.99e-04
424	188	-0.09	1.37	-0.14	0.0	-8.77e-05	-1.31e-05
424	193	1.47	-1.65	-0.07	0.0	1.45e-03	1.16e-04
424	216	3.05	-0.07	-0.11	0.0	3.00e-03	2.24e-04
424	225	1.77	-1.93	-0.06	0.0	1.74e-03	1.38e-04
424	226	-1.76	1.91	-0.15	0.0	-1.73e-03	-1.39e-04
425	4	0.01	0.26	-0.29	0.0	9.41e-06	-2.09e-06
425	41	4.58e-03	-0.53	-0.14	0.0	3.17e-06	-1.01e-06
425	52	0.02	-9.26e-03	-0.28	0.0	1.07e-05	-2.02e-06
425	68	9.59e-03	0.17	-0.20	0.0	6.54e-06	-1.49e-06
425	85	3.45e-03	-0.36	-0.10	0.0	2.38e-06	0.0
425	92	0.01	-7.14e-03	-0.20	0.0	7.40e-06	-1.44e-06
425	98	8.83e-03	-7.65e-03	-0.16	0.0	6.03e-06	-1.23e-06
425	104	4.77e-03	-0.08	-0.11	0.0	3.26e-06	0.0
425	106	5.10e-03	-7.80e-03	-0.11	0.0	3.48e-06	0.0
425	107	8.30e-03	-7.67e-03	-0.16	0.0	5.67e-06	-1.19e-06
425	112	3.43	-8.44e-03	-0.18	0.0	2.30e-03	1.15e-04
425	124	-0.10	1.85	-0.20	0.0	-6.78e-05	9.45e-05
425	129	1.93	-2.22	-0.11	0.0	1.30e-03	-2.23e-05
425	144	3.86	-9.87e-03	-0.18	0.0	2.59e-03	1.30e-04
425	156	-0.12	2.09	-0.21	0.0	-7.93e-05	1.07e-04
425	161	2.19	-2.50	-0.10	0.0	1.46e-03	-2.48e-05
425	176	3.89	-0.02	-0.18	0.0	2.61e-03	1.29e-04
425	188	-0.14	2.06	-0.21	0.0	-9.05e-05	1.05e-04
425	193	2.25	-2.48	-0.10	0.0	1.51e-03	-2.39e-05
425	216	4.65	-0.10	-0.16	0.0	3.12e-03	1.33e-04
425	225	2.69	-2.89	-0.09	0.0	1.81e-03	-2.66e-05
425	226	-2.68	2.88	-0.22	0.0	-1.79e-03	2.42e-05
426	4	0.02	0.33	-0.39	0.0	9.82e-06	-3.52e-06
426	41	6.30e-03	-0.65	-0.19	0.0	3.34e-06	-1.59e-06
426	52	0.02	-5.64e-03	-0.39	0.0	1.12e-05	-3.48e-06
426	68	0.01	0.22	-0.27	0.0	6.83e-06	-2.49e-06
426	85	4.74e-03	-0.44	-0.14	0.0	2.51e-06	-1.21e-06
426	92	0.01	-4.68e-03	-0.27	0.0	7.74e-06	-2.47e-06
426	98	0.01	-5.77e-03	-0.22	0.0	6.31e-06	-2.09e-06
426	104	6.53e-03	-0.09	-0.14	0.0	3.42e-06	-1.44e-06
426	106	6.98e-03	-6.86e-03	-0.14	0.0	3.64e-06	-1.50e-06
426	107	0.01	-5.93e-03	-0.21	0.0	5.92e-06	-2.01e-06
426	112	4.66	-5.86e-03	-0.24	0.0	2.38e-03	6.27e-05
426	124	-0.14	2.48	-0.28	0.0	-6.91e-05	6.87e-05
426	129	2.63	-2.96	-0.15	0.0	1.34e-03	-2.83e-05
426	144	5.25	-7.63e-03	-0.24	0.0	2.69e-03	7.06e-05
426	156	-0.16	2.79	-0.28	0.0	-8.09e-05	7.74e-05
426	161	2.97	-3.33	-0.14	0.0	1.52e-03	-3.18e-05
426	176	5.29	-0.02	-0.24	0.0	2.71e-03	6.46e-05
426	188	-0.18	2.76	-0.28	0.0	-9.26e-05	7.35e-05
426	193	3.06	-3.30	-0.14	0.0	1.56e-03	-3.27e-05
426	216	6.32	-0.13	-0.22	0.0	3.23e-03	5.60e-05
426	220	-0.24	3.21	-0.29	0.0	-1.19e-04	8.46e-05
426	225	3.66	-3.86	-0.13	0.0	1.87e-03	-3.80e-05
427	4	4.18e-03	0.09	-0.09	0.0	8.01e-06	0.0
427	43	3.08e-03	-0.20	-0.07	0.0	5.92e-06	0.0
427	52	4.79e-03	-6.47e-03	-0.09	0.0	9.20e-06	0.0
427	68	2.90e-03	0.06	-0.06	0.0	5.56e-06	0.0
427	87	2.16e-03	-0.13	-0.05	0.0	4.16e-06	0.0
427	92	3.31e-03	-4.82e-03	-0.06	0.0	6.35e-06	0.0
427	98	2.69e-03	-4.76e-03	-0.05	0.0	5.15e-06	0.0
427	105	2.41e-03	-0.03	-0.05	0.0	4.64e-06	0.0
427	107	2.52e-03	-4.70e-03	-0.05	0.0	4.83e-06	0.0
427	112	1.15	-5.57e-03	-0.05	0.0	2.20e-03	6.64e-05
427	124	-0.04	0.61	-0.06	0.0	-6.76e-05	-5.38e-06
427	129	0.65	-0.74	-0.04	0.0	1.24e-03	3.83e-05
427	144	1.30	-6.13e-03	-0.05	0.0	2.48e-03	7.49e-05
427	156	-0.04	0.69	-0.06	0.0	-7.87e-05	-6.02e-06
427	161	0.73	-0.83	-0.04	0.0	1.40e-03	4.32e-05
427	176	1.31	-8.81e-03	-0.05	0.0	2.50e-03	7.45e-05
427	188	-0.05	0.68	-0.06	0.0	-8.90e-05	-6.01e-06
427	193	0.75	-0.82	-0.04	0.0	1.44e-03	4.35e-05
427	216	1.56	-0.04	-0.05	0.0	2.98e-03	8.13e-05
427	220	-0.06	0.79	-0.06	0.0	-1.13e-04	-6.95e-06
427	225	0.90	-0.96	-0.04	0.0	1.73e-03	5.16e-05
428	1	0.0	0.0	0.0	0.0	2.84e-06	0.0
428	65	0.0	0.0	0.0	0.0	2.11e-06	0.0
428	97	0.0	0.0	0.0	0.0	2.90e-06	0.0

428	106	0.0	0.0	0.0	0.0	2.90e-06	0.0
428	108	0.0	0.0	0.0	0.0	1.79e-03	3.47e-06
428	140	0.0	0.0	0.0	0.0	2.02e-03	3.92e-06
428	172	0.0	0.0	0.0	0.0	2.02e-03	3.90e-06
428	204	0.0	0.0	0.0	0.0	2.38e-03	4.59e-06
429	4	8.39e-03	0.17	-0.18	0.0	8.13e-06	-1.34e-06
429	43	6.19e-03	-0.38	-0.15	0.0	6.03e-06	0.0
429	52	9.63e-03	-0.01	-0.18	0.0	9.34e-06	-1.29e-06
429	68	5.82e-03	0.11	-0.13	0.0	5.64e-06	0.0
429	87	4.36e-03	-0.25	-0.10	0.0	4.24e-06	0.0
429	92	6.65e-03	-7.86e-03	-0.13	0.0	6.45e-06	0.0
429	98	5.40e-03	-7.85e-03	-0.10	0.0	5.24e-06	0.0
429	105	4.85e-03	-0.06	-0.10	0.0	4.71e-06	0.0
429	107	5.06e-03	-7.76e-03	-0.10	0.0	4.91e-06	0.0
429	112	2.31	-8.87e-03	-0.11	0.0	2.22e-03	7.97e-05
429	124	-0.07	1.23	-0.11	0.0	-6.77e-05	6.47e-05
429	129	1.30	-1.48	-0.09	0.0	1.25e-03	-1.51e-05
429	144	2.60	-9.90e-03	-0.11	0.0	2.50e-03	8.98e-05
429	156	-0.08	1.38	-0.11	0.0	-7.89e-05	7.29e-05
429	161	1.47	-1.66	-0.09	0.0	1.41e-03	-1.68e-05
429	176	2.62	-0.02	-0.11	0.0	2.52e-03	8.88e-05
429	188	-0.09	1.37	-0.11	0.0	-8.94e-05	7.21e-05
429	193	1.51	-1.65	-0.09	0.0	1.45e-03	-1.62e-05
429	216	3.12	-0.07	-0.11	0.0	3.00e-03	9.05e-05
429	220	-0.12	1.59	-0.11	0.0	-1.14e-04	8.44e-05
429	225	1.81	-1.93	-0.09	0.0	1.74e-03	-1.80e-05
430	4	0.01	0.26	-0.27	0.0	8.30e-06	-2.36e-06
430	41	4.05e-03	-0.53	-0.13	0.0	2.70e-06	-1.12e-06
430	52	0.01	-9.07e-03	-0.27	0.0	9.56e-06	-2.33e-06
430	68	8.81e-03	0.17	-0.19	0.0	5.76e-06	-1.68e-06
430	85	3.05e-03	-0.35	-0.10	0.0	2.02e-06	0.0
430	92	0.01	-7.01e-03	-0.19	0.0	6.60e-06	-1.65e-06
430	98	8.17e-03	-7.53e-03	-0.16	0.0	5.36e-06	-1.41e-06
430	104	4.30e-03	-0.08	-0.10	0.0	2.82e-06	0.0
430	106	4.61e-03	-7.72e-03	-0.10	0.0	3.02e-06	-1.02e-06
430	107	7.67e-03	-7.56e-03	-0.15	0.0	5.02e-06	-1.35e-06
430	112	3.48	-8.29e-03	-0.16	0.0	2.25e-03	6.74e-05
430	124	-0.11	1.85	-0.17	0.0	-6.77e-05	6.38e-05
430	129	1.96	-2.22	-0.13	0.0	1.26e-03	-2.24e-05
430	144	3.92	-9.72e-03	-0.16	0.0	2.53e-03	7.59e-05
430	156	-0.12	2.09	-0.17	0.0	-7.89e-05	7.19e-05
430	161	2.22	-2.50	-0.13	0.0	1.43e-03	-2.51e-05
430	176	3.95	-0.02	-0.16	0.0	2.55e-03	7.28e-05
430	188	-0.14	2.06	-0.17	0.0	-8.96e-05	6.95e-05
430	193	2.28	-2.48	-0.13	0.0	1.47e-03	-2.51e-05
430	216	4.71	-0.10	-0.16	0.0	3.04e-03	6.35e-05
430	220	-0.18	2.40	-0.17	0.0	-1.15e-04	8.06e-05
430	225	2.73	-2.89	-0.13	0.0	1.76e-03	-2.87e-05
431	4	0.02	0.33	-0.38	0.0	8.46e-06	-3.63e-06
431	41	5.49e-03	-0.65	-0.18	0.0	2.80e-06	-1.66e-06
431	52	0.02	-4.63e-03	-0.37	0.0	9.79e-06	-3.64e-06
431	68	0.01	0.22	-0.26	0.0	5.87e-06	-2.57e-06
431	85	4.13e-03	-0.43	-0.13	0.0	2.09e-06	-1.26e-06
431	92	0.01	-3.97e-03	-0.26	0.0	6.75e-06	-2.58e-06
431	98	0.01	-5.18e-03	-0.22	0.0	5.48e-06	-2.18e-06
431	104	5.80e-03	-0.09	-0.14	0.0	2.89e-06	-1.49e-06
431	106	6.22e-03	-6.47e-03	-0.14	0.0	3.09e-06	-1.54e-06
431	107	0.01	-5.36e-03	-0.20	0.0	5.14e-06	-2.09e-06
431	112	4.66	-5.25e-03	-0.22	0.0	2.28e-03	6.09e-05
431	124	-0.14	2.48	-0.23	0.0	-6.73e-05	6.60e-05
431	129	2.63	-2.96	-0.19	0.0	1.28e-03	-2.35e-05
431	144	5.26	-7.01e-03	-0.22	0.0	2.57e-03	6.86e-05
431	156	-0.17	2.79	-0.23	0.0	-7.86e-05	7.44e-05
431	161	2.97	-3.33	-0.18	0.0	1.45e-03	-2.63e-05
431	176	5.30	-0.02	-0.22	0.0	2.59e-03	6.24e-05
431	188	-0.19	2.76	-0.23	0.0	-8.95e-05	7.06e-05
431	193	3.06	-3.30	-0.18	0.0	1.49e-03	-2.66e-05
431	216	6.31	-0.13	-0.22	0.0	3.08e-03	7.47e-05
431	220	-0.24	3.21	-0.23	0.0	-1.15e-04	8.15e-05
431	225	3.66	-3.86	-0.18	0.0	1.79e-03	-3.06e-05
432	28	4.00e-03	-0.12	-0.10	0.0	7.63e-06	0.0
432	43	2.83e-03	-0.20	-0.08	0.0	5.39e-06	0.0
432	52	4.45e-03	-6.71e-03	-0.10	0.0	8.47e-06	0.0
432	80	2.77e-03	-0.08	-0.07	0.0	5.27e-06	0.0
432	87	1.98e-03	-0.13	-0.06	0.0	3.78e-06	0.0

432	92	3.06e-03	-4.99e-03	-0.07	0.0	5.83e-06	0.0
432	98	2.48e-03	-4.90e-03	-0.06	0.0	4.72e-06	0.0
432	105	2.22e-03	-0.03	-0.05	0.0	4.22e-06	0.0
432	107	2.32e-03	-4.83e-03	-0.05	0.0	4.41e-06	0.0
432	112	1.17	-5.69e-03	-0.05	0.0	2.22e-03	2.63e-05
432	129	0.66	-0.74	-0.06	0.0	1.25e-03	-7.50e-06
432	133	-0.05	-0.70	-0.06	0.0	-8.70e-05	2.38e-05
432	144	1.32	-6.24e-03	-0.05	0.0	2.50e-03	2.96e-05
432	161	0.75	-0.83	-0.06	0.0	1.42e-03	-8.39e-06
432	165	-0.05	-0.79	-0.06	0.0	-1.01e-04	2.68e-05
432	176	1.33	-8.93e-03	-0.05	0.0	2.52e-03	2.87e-05
432	193	0.77	-0.82	-0.06	0.0	1.45e-03	-8.32e-06
432	197	-0.06	-0.77	-0.06	0.0	-1.11e-04	2.61e-05
432	216	1.58	-0.04	-0.05	0.0	3.00e-03	2.59e-05
432	225	0.92	-0.96	-0.06	0.0	1.74e-03	-9.45e-06
432	229	-0.07	-0.90	-0.06	0.0	-1.40e-04	3.04e-05
433	1	0.0	0.0	0.0	0.0	2.42e-06	0.0
433	65	0.0	0.0	0.0	0.0	1.80e-06	0.0
433	97	0.0	0.0	0.0	0.0	2.59e-06	0.0
433	106	0.0	0.0	0.0	0.0	2.59e-06	0.0
433	108	0.0	0.0	0.0	0.0	1.81e-03	2.77e-06
433	140	0.0	0.0	0.0	0.0	2.04e-03	3.12e-06
433	172	0.0	0.0	0.0	0.0	2.05e-03	3.06e-06
433	204	0.0	0.0	0.0	0.0	2.42e-03	3.58e-06
434	28	8.00e-03	-0.23	-0.19	0.0	7.64e-06	-1.47e-06
434	43	5.65e-03	-0.38	-0.16	0.0	5.40e-06	-1.15e-06
434	52	8.89e-03	-0.01	-0.19	0.0	8.48e-06	-1.58e-06
434	80	5.53e-03	-0.16	-0.13	0.0	5.28e-06	-1.05e-06
434	87	3.96e-03	-0.25	-0.11	0.0	3.79e-06	0.0
434	92	6.12e-03	-8.05e-03	-0.13	0.0	5.84e-06	-1.12e-06
434	98	4.95e-03	-8.00e-03	-0.11	0.0	4.72e-06	0.0
434	105	4.43e-03	-0.06	-0.10	0.0	4.23e-06	0.0
434	107	4.63e-03	-7.91e-03	-0.10	0.0	4.41e-06	0.0
434	112	2.33	-9.00e-03	-0.11	0.0	2.21e-03	4.08e-05
434	129	1.32	-1.48	-0.11	0.0	1.24e-03	-1.50e-05
434	133	-0.09	-1.40	-0.12	0.0	-8.56e-05	4.04e-05
434	144	2.63	-0.01	-0.11	0.0	2.49e-03	4.60e-05
434	161	1.49	-1.67	-0.11	0.0	1.41e-03	-1.68e-05
434	165	-0.11	-1.57	-0.12	0.0	-9.91e-05	4.55e-05
434	176	2.65	-0.02	-0.11	0.0	2.51e-03	4.35e-05
434	193	1.53	-1.65	-0.11	0.0	1.45e-03	-1.70e-05
434	197	-0.12	-1.55	-0.12	0.0	-1.10e-04	4.38e-05
434	216	3.15	-0.07	-0.11	0.0	2.98e-03	3.62e-05
434	225	1.83	-1.93	-0.12	0.0	1.73e-03	-1.96e-05
434	229	-0.15	-1.79	-0.12	0.0	-1.38e-04	5.07e-05
435	28	0.01	-0.32	-0.29	0.0	7.68e-06	-2.41e-06
435	41	3.47e-03	-0.53	-0.15	0.0	2.24e-06	-1.20e-06
435	52	0.01	-8.96e-03	-0.29	0.0	8.51e-06	-2.58e-06
435	80	8.30e-03	-0.21	-0.20	0.0	5.30e-06	-1.71e-06
435	85	2.60e-03	-0.35	-0.11	0.0	1.67e-06	0.0
435	92	9.19e-03	-6.93e-03	-0.20	0.0	5.86e-06	-1.83e-06
435	98	7.43e-03	-7.46e-03	-0.17	0.0	4.73e-06	-1.55e-06
435	104	3.79e-03	-0.08	-0.10	0.0	2.41e-06	-1.07e-06
435	106	4.08e-03	-7.66e-03	-0.10	0.0	2.60e-06	-1.10e-06
435	107	6.95e-03	-7.49e-03	-0.16	0.0	4.43e-06	-1.49e-06
435	112	3.49	-8.19e-03	-0.16	0.0	2.20e-03	4.48e-05
435	129	1.97	-2.22	-0.17	0.0	1.24e-03	-1.96e-05
435	133	-0.14	-2.10	-0.17	0.0	-8.37e-05	4.98e-05
435	144	3.94	-9.61e-03	-0.16	0.0	2.48e-03	5.05e-05
435	161	2.22	-2.50	-0.17	0.0	1.40e-03	-2.20e-05
435	165	-0.16	-2.36	-0.17	0.0	-9.70e-05	5.61e-05
435	176	3.96	-0.02	-0.16	0.0	2.50e-03	4.56e-05
435	193	2.29	-2.48	-0.17	0.0	1.44e-03	-2.26e-05
435	197	-0.17	-2.32	-0.17	0.0	-1.08e-04	5.32e-05
435	216	4.71	-0.10	-0.16	0.0	2.96e-03	4.62e-05
435	225	2.74	-2.89	-0.17	0.0	1.72e-03	-2.62e-05
435	229	-0.22	-2.69	-0.18	0.0	-1.36e-04	6.13e-05
436	28	0.02	-0.39	-0.40	0.0	7.73e-06	-3.53e-06
436	41	4.65e-03	-0.64	-0.20	0.0	2.28e-06	-1.72e-06
436	52	0.02	-3.63e-03	-0.40	0.0	8.54e-06	-3.78e-06
436	80	0.01	-0.26	-0.28	0.0	5.34e-06	-2.50e-06
436	85	3.49e-03	-0.43	-0.14	0.0	1.70e-06	-1.30e-06
436	92	0.01	-3.27e-03	-0.28	0.0	5.88e-06	-2.67e-06
436	98	9.92e-03	-4.59e-03	-0.23	0.0	4.75e-06	-2.26e-06
436	104	5.05e-03	-0.09	-0.14	0.0	2.43e-06	-1.52e-06

436	106	5.45e-03	-6.09e-03	-0.14	0.0	2.61e-06	-1.58e-06
436	107	9.28e-03	-4.81e-03	-0.21	0.0	4.45e-06	-2.16e-06
436	112	4.64	-4.64e-03	-0.22	0.0	2.19e-03	8.11e-05
436	129	2.61	-2.96	-0.23	0.0	1.23e-03	-1.82e-05
436	133	-0.18	-2.80	-0.23	0.0	-8.15e-05	7.56e-05
436	144	5.23	-6.40e-03	-0.22	0.0	2.47e-03	9.15e-05
436	161	2.95	-3.33	-0.23	0.0	1.39e-03	-2.03e-05
436	165	-0.21	-3.15	-0.24	0.0	-9.45e-05	8.54e-05
436	176	5.27	-0.02	-0.22	0.0	2.49e-03	8.70e-05
436	193	3.04	-3.30	-0.23	0.0	1.43e-03	-1.98e-05
436	197	-0.23	-3.09	-0.24	0.0	-1.05e-04	8.30e-05
436	216	6.26	-0.13	-0.22	0.0	2.94e-03	1.21e-04
436	225	3.64	-3.86	-0.24	0.0	1.71e-03	-2.22e-05
436	229	-0.29	-3.59	-0.24	0.0	-1.33e-04	9.71e-05
437	28	3.62e-03	-0.12	-0.12	0.0	6.86e-06	0.0
437	43	2.53e-03	-0.20	-0.10	0.0	4.79e-06	0.0
437	52	4.04e-03	-7.61e-03	-0.12	0.0	7.65e-06	0.0
437	80	2.49e-03	-0.08	-0.08	0.0	4.72e-06	0.0
437	87	1.76e-03	-0.13	-0.07	0.0	3.34e-06	0.0
437	92	2.77e-03	-5.61e-03	-0.08	0.0	5.25e-06	0.0
437	98	2.23e-03	-5.40e-03	-0.07	0.0	4.22e-06	0.0
437	105	1.99e-03	-0.03	-0.06	0.0	3.76e-06	0.0
437	107	2.08e-03	-5.30e-03	-0.06	0.0	3.94e-06	0.0
437	112	1.18	-6.16e-03	-0.07	0.0	2.22e-03	1.75e-05
437	129	0.66	-0.74	-0.08	0.0	1.25e-03	-7.28e-06
437	133	-0.05	-0.70	-0.08	0.0	-8.88e-05	1.86e-05
437	144	1.33	-6.71e-03	-0.07	0.0	2.51e-03	1.97e-05
437	161	0.75	-0.83	-0.08	0.0	1.42e-03	-8.18e-06
437	165	-0.05	-0.79	-0.08	0.0	-1.03e-04	2.09e-05
437	176	1.33	-9.41e-03	-0.07	0.0	2.52e-03	1.81e-05
437	193	0.77	-0.83	-0.08	0.0	1.45e-03	-8.43e-06
437	197	-0.06	-0.77	-0.08	0.0	-1.13e-04	1.99e-05
437	216	1.58	-0.04	-0.07	0.0	2.99e-03	1.58e-05
437	225	0.92	-0.96	-0.08	0.0	1.74e-03	-9.78e-06
437	229	-0.07	-0.90	-0.08	0.0	-1.41e-04	2.30e-05
438	1	0.0	0.0	0.0	0.0	1.95e-06	0.0
438	65	0.0	0.0	0.0	0.0	1.45e-06	0.0
438	97	0.0	0.0	0.0	0.0	2.25e-06	0.0
438	106	0.0	0.0	0.0	0.0	2.25e-06	0.0
438	108	0.0	0.0	0.0	0.0	1.82e-03	4.39e-06
438	140	0.0	0.0	0.0	0.0	2.05e-03	4.94e-06
438	172	0.0	0.0	0.0	0.0	2.06e-03	4.79e-06
438	204	0.0	0.0	0.0	0.0	2.43e-03	5.62e-06
439	28	7.21e-03	-0.23	-0.23	0.0	6.80e-06	-1.63e-06
439	43	5.04e-03	-0.38	-0.19	0.0	4.75e-06	-1.27e-06
439	52	8.04e-03	-0.01	-0.23	0.0	7.58e-06	-1.76e-06
439	80	4.96e-03	-0.16	-0.16	0.0	4.68e-06	-1.16e-06
439	87	3.51e-03	-0.25	-0.13	0.0	3.31e-06	0.0
439	92	5.52e-03	-8.49e-03	-0.16	0.0	5.20e-06	-1.25e-06
439	98	4.44e-03	-8.36e-03	-0.13	0.0	4.18e-06	-1.06e-06
439	105	3.96e-03	-0.06	-0.12	0.0	3.73e-06	0.0
439	107	4.14e-03	-8.24e-03	-0.12	0.0	3.90e-06	-1.01e-06
439	112	2.34	-9.33e-03	-0.13	0.0	2.19e-03	3.04e-05
439	129	1.32	-1.48	-0.15	0.0	1.23e-03	-1.29e-05
439	133	-0.09	-1.40	-0.15	0.0	-8.66e-05	3.37e-05
439	144	2.64	-0.01	-0.13	0.0	2.47e-03	3.42e-05
439	161	1.49	-1.67	-0.15	0.0	1.39e-03	-1.44e-05
439	165	-0.11	-1.58	-0.16	0.0	-1.00e-04	3.80e-05
439	176	2.66	-0.02	-0.13	0.0	2.49e-03	3.08e-05
439	193	1.53	-1.65	-0.15	0.0	1.43e-03	-1.47e-05
439	197	-0.12	-1.55	-0.15	0.0	-1.10e-04	3.60e-05
439	216	3.15	-0.07	-0.13	0.0	2.95e-03	3.36e-05
439	225	1.83	-1.93	-0.16	0.0	1.72e-03	-1.70e-05
439	233	-0.14	-1.81	-0.16	0.0	-1.35e-04	4.12e-05
440	28	0.01	-0.32	-0.35	0.0	6.73e-06	-2.57e-06
440	41	2.85e-03	-0.53	-0.18	0.0	1.78e-06	-1.26e-06
440	52	0.01	-9.10e-03	-0.34	0.0	7.50e-06	-2.76e-06
440	80	7.41e-03	-0.21	-0.24	0.0	4.63e-06	-1.83e-06
440	85	2.14e-03	-0.35	-0.13	0.0	1.33e-06	0.0
440	92	8.23e-03	-7.02e-03	-0.24	0.0	5.14e-06	-1.95e-06
440	98	6.62e-03	-7.53e-03	-0.19	0.0	4.14e-06	-1.65e-06
440	104	3.24e-03	-0.08	-0.12	0.0	2.02e-06	-1.12e-06
440	106	3.51e-03	-7.69e-03	-0.12	0.0	2.19e-06	-1.16e-06
440	107	6.18e-03	-7.56e-03	-0.18	0.0	3.86e-06	-1.58e-06
440	112	3.48	-8.23e-03	-0.19	0.0	2.15e-03	5.36e-05

440	129	1.96	-2.22	-0.23	0.0	1.21e-03	-1.51e-05
440	133	-0.14	-2.10	-0.23	0.0	-8.34e-05	5.34e-05
440	144	3.92	-9.66e-03	-0.19	0.0	2.42e-03	6.05e-05
440	161	2.21	-2.50	-0.23	0.0	1.37e-03	-1.68e-05
440	165	-0.16	-2.36	-0.24	0.0	-9.64e-05	6.03e-05
440	176	3.95	-0.02	-0.19	0.0	2.44e-03	5.64e-05
440	193	2.28	-2.48	-0.23	0.0	1.40e-03	-1.67e-05
440	197	-0.18	-2.32	-0.23	0.0	-1.07e-04	5.81e-05
440	216	4.68	-0.10	-0.19	0.0	2.89e-03	7.73e-05
440	225	2.73	-2.90	-0.24	0.0	1.68e-03	-1.89e-05
440	233	-0.21	-2.71	-0.24	0.0	-1.31e-04	7.13e-05
441	28	0.01	-0.38	-0.47	0.0	6.66e-06	-3.63e-06
441	41	3.78e-03	-0.64	-0.24	0.0	1.76e-06	-1.77e-06
441	52	0.02	-2.81e-03	-0.46	0.0	7.41e-06	-3.87e-06
441	80	9.83e-03	-0.26	-0.33	0.0	4.58e-06	-2.57e-06
441	85	2.83e-03	-0.43	-0.17	0.0	1.31e-06	-1.33e-06
441	92	0.01	-2.69e-03	-0.32	0.0	5.08e-06	-2.74e-06
441	98	8.78e-03	-4.12e-03	-0.26	0.0	4.08e-06	-2.31e-06
441	104	4.29e-03	-0.09	-0.17	0.0	1.99e-06	-1.55e-06
441	106	4.65e-03	-5.77e-03	-0.17	0.0	2.15e-06	-1.61e-06
441	107	8.19e-03	-4.35e-03	-0.25	0.0	3.81e-06	-2.21e-06
441	112	4.60	-4.15e-03	-0.26	0.0	2.11e-03	1.04e-04
441	129	2.58	-2.96	-0.31	0.0	1.18e-03	-9.66e-05
441	133	-0.18	-2.80	-0.31	0.0	-7.99e-05	8.83e-05
441	144	5.18	-5.91e-03	-0.26	0.0	2.38e-03	1.17e-04
441	161	2.92	-3.33	-0.32	0.0	1.34e-03	-1.09e-04
441	165	-0.21	-3.15	-0.32	0.0	-9.25e-05	9.98e-05
441	176	5.22	-0.02	-0.26	0.0	2.39e-03	1.14e-04
441	193	3.00	-3.30	-0.32	0.0	1.37e-03	-1.08e-04
441	197	-0.23	-3.09	-0.32	0.0	-1.03e-04	9.84e-05
441	216	6.18	-0.13	-0.26	0.0	2.83e-03	-2.07e-04
441	225	3.60	-3.86	-0.33	0.0	1.65e-03	-1.28e-04
441	233	-0.28	-3.62	-0.33	0.0	-1.29e-04	1.41e-05
442	4	0.03	0.39	-0.59	0.0	1.16e-05	-4.88e-06
442	41	8.82e-03	-0.73	-0.27	0.0	4.05e-06	-2.08e-06
442	52	0.03	-5.71e-03	-0.58	0.0	1.31e-05	-4.85e-06
442	68	0.02	0.26	-0.42	0.0	8.10e-06	-3.45e-06
442	85	6.64e-03	-0.49	-0.20	0.0	3.05e-06	-1.58e-06
442	92	0.02	-4.69e-03	-0.40	0.0	9.09e-06	-3.43e-06
442	98	0.02	-5.70e-03	-0.34	0.0	7.43e-06	-2.90e-06
442	104	9.01e-03	-0.10	-0.22	0.0	4.10e-06	-1.95e-06
442	106	9.60e-03	-6.64e-03	-0.22	0.0	4.36e-06	-2.04e-06
442	107	0.02	-5.83e-03	-0.32	0.0	6.99e-06	-2.78e-06
442	112	5.74	-4.82e-03	-0.39	0.0	2.59e-03	8.49e-05
442	129	3.24	-3.57	-0.17	0.0	1.46e-03	-2.51e-05
442	130	-3.21	3.56	-0.47	0.0	-1.45e-03	1.95e-05
442	144	6.47	-6.84e-03	-0.39	0.0	2.92e-03	9.58e-05
442	161	3.66	-4.02	-0.15	0.0	1.65e-03	-2.80e-05
442	162	-3.63	4.01	-0.49	0.0	-1.64e-03	2.24e-05
442	176	6.52	-0.02	-0.39	0.0	2.95e-03	8.97e-05
442	193	3.77	-3.98	-0.15	0.0	1.70e-03	-2.79e-05
442	194	-3.74	3.97	-0.49	0.0	-1.69e-03	2.23e-05
442	216	7.80	-0.15	-0.33	0.0	3.52e-03	1.16e-04
442	225	4.52	-4.65	-0.13	0.0	2.04e-03	-3.17e-05
442	226	-4.49	4.64	-0.52	0.0	-2.02e-03	2.61e-05
443	4	0.03	0.43	-0.77	0.0	1.17e-05	-6.43e-06
443	43	0.02	-0.79	-0.59	0.0	8.79e-06	-4.43e-06
443	52	0.03	-8.78e-03	-0.75	0.0	1.33e-05	-6.44e-06
443	68	0.02	0.29	-0.54	0.0	8.17e-06	-4.54e-06
443	87	0.02	-0.53	-0.42	0.0	6.20e-06	-3.21e-06
443	92	0.02	-6.70e-03	-0.53	0.0	9.20e-06	-4.55e-06
443	98	0.02	-6.97e-03	-0.44	0.0	7.51e-06	-3.84e-06
443	105	0.02	-0.11	-0.41	0.0	6.80e-06	-3.54e-06
443	107	0.02	-6.95e-03	-0.42	0.0	7.06e-06	-3.67e-06
443	112	6.89	-4.71e-03	-0.49	0.0	2.64e-03	-2.53e-04
443	129	3.88	-4.18	-0.24	0.0	1.49e-03	-1.62e-04
443	130	-3.84	4.16	-0.59	0.0	-1.47e-03	1.54e-04
443	144	7.76	-6.95e-03	-0.50	0.0	2.98e-03	-2.84e-04
443	161	4.39	-4.70	-0.22	0.0	1.68e-03	-1.82e-04
443	162	-4.35	4.69	-0.61	0.0	-1.67e-03	1.75e-04
443	176	7.82	-0.02	-0.50	0.0	3.00e-03	-2.81e-04
443	193	4.52	-4.66	-0.22	0.0	1.73e-03	-1.84e-04
443	194	-4.48	4.65	-0.61	0.0	-1.72e-03	1.76e-04
443	216	9.35	-0.18	-0.43	0.0	3.58e-03	-3.65e-04
443	225	5.42	-5.45	-0.19	0.0	2.08e-03	-2.18e-04

443	226	-5.38	5.43	-0.64	0.0	-2.06e-03	2.11e-04
444	4	0.04	0.48	-1.01	-3.82e-04	6.98e-05	-8.15e-06
444	43	0.03	-0.83	-0.77	-2.37e-04	5.70e-05	-5.57e-06
444	52	0.04	-8.12e-03	-0.98	-3.44e-04	7.05e-05	-8.20e-06
444	68	0.02	0.32	-0.71	-2.71e-04	4.90e-05	-5.75e-06
444	87	0.02	-0.55	-0.55	-1.74e-04	4.05e-05	-4.03e-06
444	92	0.03	-5.95e-03	-0.69	-2.45e-04	4.95e-05	-5.78e-06
444	98	0.02	-5.58e-03	-0.57	-2.15e-04	4.08e-05	-4.86e-06
444	105	0.02	-0.11	-0.54	-1.99e-04	3.88e-05	-4.48e-06
444	107	0.02	-5.43e-03	-0.55	-2.07e-04	3.89e-05	-4.65e-06
444	112	8.05	-1.28e-03	-0.63	-2.37e-04	1.07e-03	-4.06e-04
444	129	4.53	-4.78	-0.35	1.85e-04	6.20e-04	-2.48e-04
444	130	-4.49	4.77	-0.75	-5.99e-04	-5.42e-04	2.39e-04
444	144	9.07	-3.63e-03	-0.64	-2.40e-04	1.20e-03	-4.57e-04
444	161	5.13	-5.38	-0.32	2.34e-04	6.96e-04	-2.80e-04
444	162	-5.08	5.37	-0.77	-6.48e-04	-6.18e-04	2.71e-04
444	176	9.14	-0.02	-0.64	-2.40e-04	1.20e-03	-4.57e-04
444	193	5.27	-5.34	-0.32	2.29e-04	7.12e-04	-2.85e-04
444	194	-5.23	5.33	-0.77	-6.43e-04	-6.35e-04	2.76e-04
444	216	10.92	-0.20	-0.56	-2.36e-04	1.40e-03	-5.88e-04
444	225	6.32	-6.24	-0.29	3.01e-04	8.45e-04	-3.41e-04
444	226	-6.28	6.23	-0.80	-7.15e-04	-7.67e-04	3.32e-04
445	4	0.02	0.39	-0.50	0.0	1.01e-05	-4.86e-06
445	41	7.78e-03	-0.73	-0.24	0.0	3.45e-06	-2.11e-06
445	52	0.03	-3.64e-03	-0.49	0.0	1.15e-05	-4.87e-06
445	68	0.02	0.26	-0.35	0.0	7.02e-06	-3.44e-06
445	85	5.85e-03	-0.49	-0.17	0.0	2.59e-06	-1.60e-06
445	92	0.02	-3.25e-03	-0.34	0.0	7.96e-06	-3.44e-06
445	98	0.01	-4.50e-03	-0.28	0.0	6.48e-06	-2.91e-06
445	104	8.04e-03	-0.10	-0.18	0.0	3.51e-06	-1.95e-06
445	106	8.58e-03	-5.86e-03	-0.18	0.0	3.74e-06	-2.03e-06
445	107	0.01	-4.69e-03	-0.27	0.0	6.09e-06	-2.78e-06
445	112	5.71	-3.62e-03	-0.30	0.0	2.44e-03	9.92e-05
445	124	-0.17	2.99	-0.35	0.0	-6.95e-05	9.14e-05
445	129	3.22	-3.57	-0.19	0.0	1.37e-03	-2.22e-05
445	144	6.44	-5.63e-03	-0.31	0.0	2.75e-03	1.12e-04
445	156	-0.20	3.37	-0.36	0.0	-8.14e-05	1.03e-04
445	161	3.64	-4.02	-0.18	0.0	1.55e-03	-2.47e-05
445	176	6.48	-0.02	-0.31	0.0	2.77e-03	1.07e-04
445	188	-0.23	3.33	-0.35	0.0	-9.34e-05	1.00e-04
445	193	3.74	-3.98	-0.19	0.0	1.59e-03	-2.42e-05
445	216	7.74	-0.15	-0.28	0.0	3.29e-03	1.44e-04
445	220	-0.29	3.88	-0.37	0.0	-1.20e-04	1.17e-04
445	225	4.49	-4.65	-0.17	0.0	1.91e-03	-2.72e-05
446	4	0.03	0.44	-0.66	0.0	1.03e-05	-6.26e-06
446	41	9.30e-03	-0.78	-0.31	0.0	3.52e-06	-2.65e-06
446	52	0.03	-5.21e-03	-0.65	0.0	1.18e-05	-6.32e-06
446	68	0.02	0.29	-0.46	0.0	7.19e-06	-4.42e-06
446	85	6.99e-03	-0.52	-0.23	0.0	2.64e-06	-2.01e-06
446	92	0.02	-4.19e-03	-0.45	0.0	8.14e-06	-4.46e-06
446	98	0.02	-4.89e-03	-0.38	0.0	6.63e-06	-3.76e-06
446	104	9.58e-03	-0.11	-0.24	0.0	3.60e-06	-2.48e-06
446	106	0.01	-5.42e-03	-0.24	0.0	3.84e-06	-2.59e-06
446	107	0.02	-4.96e-03	-0.36	0.0	6.23e-06	-3.59e-06
446	112	6.78	-2.66e-03	-0.40	0.0	2.47e-03	-2.66e-04
446	124	-0.20	3.50	-0.45	0.0	-6.94e-05	1.67e-05
446	129	3.82	-4.18	-0.27	0.0	1.39e-03	-1.69e-04
446	144	7.64	-4.89e-03	-0.40	0.0	2.78e-03	-3.00e-04
446	156	-0.23	3.94	-0.46	0.0	-8.13e-05	1.95e-05
446	161	4.32	-4.70	-0.26	0.0	1.57e-03	-1.91e-04
446	176	7.70	-0.02	-0.40	0.0	2.80e-03	-2.97e-04
446	188	-0.27	3.90	-0.46	0.0	-9.35e-05	2.07e-05
446	193	4.44	-4.66	-0.26	0.0	1.61e-03	-1.93e-04
446	216	9.18	-0.18	-0.37	0.0	3.33e-03	-3.87e-04
446	220	-0.34	4.54	-0.47	0.0	-1.21e-04	2.64e-05
446	225	5.32	-5.45	-0.24	0.0	1.93e-03	-2.30e-04
447	4	0.03	0.48	-0.95	-1.71e-04	7.28e-05	-7.69e-06
447	43	0.02	-0.82	-0.74	-8.00e-05	5.98e-05	-5.39e-06
447	52	0.04	-6.33e-03	-0.93	-1.41e-04	7.36e-05	-7.81e-06
447	68	0.02	0.32	-0.66	-1.22e-04	5.11e-05	-5.42e-06
447	87	0.02	-0.55	-0.53	-6.15e-05	4.24e-05	-3.89e-06
447	92	0.03	-4.67e-03	-0.65	-1.02e-04	5.17e-05	-5.51e-06
447	98	0.02	-4.46e-03	-0.54	-9.36e-05	4.26e-05	-4.63e-06
447	105	0.02	-0.11	-0.51	-8.47e-05	4.05e-05	-4.27e-06
447	107	0.02	-4.36e-03	-0.51	-9.11e-05	4.06e-05	-4.42e-06

447	112	7.86	-1.13e-04	-0.56	-1.09e-04	1.10e-03	-4.11e-04
447	124	-0.23	4.02	-0.61	-3.41e-04	-5.37e-06	1.75e-05
447	129	4.42	-4.78	-0.41	1.93e-04	6.40e-04	-2.51e-04
447	144	8.85	-2.45e-03	-0.56	-1.12e-04	1.23e-03	-4.62e-04
447	156	-0.27	4.52	-0.62	-3.72e-04	-1.19e-05	2.08e-05
447	161	5.00	-5.38	-0.40	2.29e-04	7.18e-04	-2.83e-04
447	176	8.92	-0.02	-0.56	-1.11e-04	1.24e-03	-4.62e-04
447	188	-0.31	4.47	-0.62	-3.69e-04	-1.54e-05	2.30e-05
447	193	5.14	-5.34	-0.40	2.25e-04	7.34e-04	-2.89e-04
447	216	10.64	-0.20	-0.52	-1.06e-04	1.44e-03	-5.96e-04
447	220	-0.39	5.20	-0.64	-4.15e-04	-2.78e-05	3.01e-05
447	225	6.17	-6.23	-0.38	2.78e-04	8.70e-04	-3.45e-04
448	4	0.02	0.39	-0.48	0.0	8.56e-06	-4.82e-06
448	41	6.73e-03	-0.72	-0.23	0.0	2.87e-06	-2.16e-06
448	52	0.02	-1.32e-03	-0.48	0.0	9.93e-06	-4.88e-06
448	68	0.01	0.26	-0.33	0.0	5.94e-06	-3.41e-06
448	85	5.05e-03	-0.48	-0.17	0.0	2.14e-06	-1.63e-06
448	92	0.02	-1.62e-03	-0.33	0.0	6.85e-06	-3.45e-06
448	98	0.01	-3.15e-03	-0.27	0.0	5.56e-06	-2.91e-06
448	104	7.07e-03	-0.10	-0.17	0.0	2.94e-06	-1.95e-06
448	106	7.58e-03	-4.99e-03	-0.17	0.0	3.13e-06	-2.02e-06
448	107	0.01	-3.41e-03	-0.26	0.0	5.21e-06	-2.78e-06
448	112	5.66	-2.28e-03	-0.28	0.0	2.30e-03	1.22e-04
448	124	-0.17	3.00	-0.29	0.0	-6.66e-05	1.04e-04
448	129	3.19	-3.57	-0.24	0.0	1.29e-03	-1.13e-04
448	144	6.38	-4.29e-03	-0.28	0.0	2.59e-03	1.38e-04
448	156	-0.20	3.37	-0.29	0.0	-7.79e-05	1.17e-04
448	161	3.60	-4.02	-0.23	0.0	1.46e-03	-1.28e-04
448	176	6.43	-0.02	-0.28	0.0	2.61e-03	1.34e-04
448	188	-0.23	3.33	-0.29	0.0	-8.90e-05	1.15e-04
448	193	3.71	-3.98	-0.23	0.0	1.50e-03	-1.27e-04
448	216	7.65	-0.15	-0.28	0.0	3.10e-03	-2.40e-04
448	220	-0.29	3.88	-0.30	0.0	-1.14e-04	1.36e-04
448	225	4.44	-4.65	-0.23	0.0	1.80e-03	-1.50e-04
449	4	0.02	0.44	-0.64	0.0	8.57e-06	-6.08e-06
449	41	7.99e-03	-0.78	-0.31	0.0	2.91e-06	-2.66e-06
449	52	0.03	-1.25e-03	-0.63	0.0	9.98e-06	-6.20e-06
449	68	0.02	0.29	-0.44	0.0	5.95e-06	-4.30e-06
449	85	5.99e-03	-0.52	-0.23	0.0	2.17e-06	-2.02e-06
449	92	0.02	-1.42e-03	-0.44	0.0	6.89e-06	-4.38e-06
449	98	0.02	-2.59e-03	-0.36	0.0	5.59e-06	-3.68e-06
449	104	8.36e-03	-0.11	-0.23	0.0	2.95e-06	-2.43e-06
449	106	8.95e-03	-3.94e-03	-0.23	0.0	3.14e-06	-2.53e-06
449	107	0.01	-2.78e-03	-0.35	0.0	5.24e-06	-3.52e-06
449	112	6.66	-3.61e-04	-0.36	0.0	2.32e-03	-2.85e-04
449	124	-0.20	3.51	-0.38	0.0	-6.59e-05	1.66e-05
449	129	3.75	-4.17	-0.32	0.0	1.30e-03	-1.80e-04
449	144	7.51	-2.57e-03	-0.36	0.0	2.61e-03	-3.21e-04
449	156	-0.23	3.95	-0.38	0.0	-7.71e-05	1.94e-05
449	161	4.24	-4.70	-0.31	0.0	1.47e-03	-2.03e-04
449	176	7.56	-0.02	-0.36	0.0	2.63e-03	-3.19e-04
449	188	-0.26	3.90	-0.38	0.0	-8.83e-05	2.07e-05
449	193	4.36	-4.66	-0.32	0.0	1.51e-03	-2.05e-04
449	216	9.00	-0.17	-0.36	0.0	3.11e-03	-4.17e-04
449	220	-0.34	4.54	-0.39	0.0	-1.13e-04	2.66e-05
449	225	5.23	-5.45	-0.31	0.0	1.81e-03	-2.45e-04
450	4	0.03	0.48	-0.93	9.74e-06	7.49e-05	-7.57e-06
450	43	0.02	-0.82	-0.75	5.81e-05	6.14e-05	-5.30e-06
450	52	0.03	-5.95e-03	-0.93	3.43e-05	7.56e-05	-7.70e-06
450	68	0.02	0.32	-0.65	4.77e-06	5.26e-05	-5.34e-06
450	87	0.01	-0.55	-0.53	3.70e-05	4.36e-05	-3.83e-06
450	92	0.02	-4.40e-03	-0.65	2.11e-05	5.31e-05	-5.42e-06
450	98	0.02	-4.22e-03	-0.53	1.05e-05	4.37e-05	-4.55e-06
450	105	0.02	-0.11	-0.50	1.35e-05	4.16e-05	-4.20e-06
450	107	0.02	-4.13e-03	-0.50	8.15e-06	4.16e-05	-4.34e-06
450	112	7.67	-3.54e-06	-0.52	0.0	1.11e-03	-4.14e-04
450	124	-0.23	4.02	-0.54	-1.83e-04	-6.26e-06	1.76e-05
450	129	4.31	-4.78	-0.47	2.29e-04	6.47e-04	-2.53e-04
450	144	8.64	-2.36e-03	-0.53	-2.01e-06	1.25e-03	-4.66e-04
450	156	-0.27	4.52	-0.55	-2.07e-04	-1.30e-05	2.09e-05
450	161	4.88	-5.38	-0.47	2.57e-04	7.26e-04	-2.85e-04
450	176	8.71	-0.02	-0.52	-1.36e-06	1.25e-03	-4.66e-04
450	188	-0.30	4.47	-0.54	-2.04e-04	-1.63e-05	2.31e-05
450	193	5.01	-5.34	-0.47	2.54e-04	7.42e-04	-2.91e-04
450	216	10.35	-0.20	-0.52	4.16e-06	1.45e-03	-6.01e-04

450	220	-0.39	5.20	-0.55	-2.39e-04	-2.88e-05	3.02e-05
450	225	6.01	-6.23	-0.46	2.95e-04	8.79e-04	-3.47e-04
451	28	0.02	-0.43	-0.50	0.0	7.79e-06	-4.56e-06
451	41	5.64e-03	-0.72	-0.25	0.0	2.33e-06	-2.20e-06
451	52	0.02	1.10e-03	-0.50	0.0	8.58e-06	-4.88e-06
451	80	0.01	-0.29	-0.35	0.0	5.38e-06	-3.24e-06
451	85	4.23e-03	-0.48	-0.18	0.0	1.74e-06	-1.66e-06
451	92	0.01	7.07e-05	-0.35	0.0	5.90e-06	-3.45e-06
451	98	0.01	-1.74e-03	-0.29	0.0	4.77e-06	-2.91e-06
451	104	6.11e-03	-0.10	-0.18	0.0	2.44e-06	-1.94e-06
451	106	6.57e-03	-4.09e-03	-0.18	0.0	2.62e-06	-2.01e-06
451	107	0.01	-2.08e-03	-0.27	0.0	4.46e-06	-2.78e-06
451	112	5.59	-8.84e-04	-0.28	0.0	2.18e-03	-1.95e-04
451	129	3.14	-3.57	-0.29	0.0	1.22e-03	-1.29e-04
451	133	-0.21	-3.38	-0.30	0.0	-7.98e-05	1.65e-05
451	144	6.30	-2.88e-03	-0.28	0.0	2.46e-03	-2.19e-04
451	161	3.55	-4.02	-0.30	0.0	1.38e-03	-1.45e-04
451	165	-0.25	-3.80	-0.30	0.0	-9.25e-05	1.92e-05
451	176	6.34	-0.02	-0.28	0.0	2.48e-03	-2.16e-04
451	193	3.66	-3.98	-0.30	0.0	1.42e-03	-1.46e-04
451	197	-0.28	-3.73	-0.30	0.0	-1.03e-04	2.02e-05
451	216	7.53	-0.15	-0.28	0.0	2.93e-03	-2.86e-04
451	225	4.38	-4.65	-0.30	0.0	1.71e-03	-1.73e-04
451	229	-0.35	-4.33	-0.30	0.0	-1.31e-04	2.53e-05
452	28	0.02	-0.46	-0.67	0.0	7.87e-06	-5.67e-06
452	41	6.66e-03	-0.78	-0.33	0.0	2.43e-06	-2.71e-06
452	52	0.03	3.14e-03	-0.67	0.0	8.62e-06	-6.06e-06
452	80	0.02	-0.31	-0.47	0.0	5.43e-06	-4.02e-06
452	85	4.99e-03	-0.52	-0.24	0.0	1.81e-06	-2.04e-06
452	92	0.02	1.64e-03	-0.46	0.0	5.93e-06	-4.27e-06
452	98	0.01	-4.88e-05	-0.38	0.0	4.80e-06	-3.59e-06
452	104	7.16e-03	-0.11	-0.24	0.0	2.48e-06	-2.38e-06
452	106	7.71e-03	-2.32e-03	-0.24	0.0	2.64e-06	-2.47e-06
452	107	0.01	-3.73e-04	-0.36	0.0	4.49e-06	-3.43e-06
452	112	6.53	2.14e-03	-0.37	0.0	2.18e-03	-3.04e-04
452	129	3.67	-4.17	-0.38	0.0	1.22e-03	-1.90e-04
452	133	-0.25	-3.95	-0.39	0.0	-7.85e-05	1.78e-05
452	144	7.36	-5.57e-05	-0.37	0.0	2.46e-03	-3.42e-04
452	161	4.15	-4.70	-0.39	0.0	1.38e-03	-2.15e-04
452	165	-0.29	-4.44	-0.39	0.0	-9.11e-05	2.08e-05
452	176	7.42	-0.02	-0.37	0.0	2.48e-03	-3.41e-04
452	193	4.27	-4.66	-0.39	0.0	1.42e-03	-2.18e-04
452	197	-0.32	-4.36	-0.39	0.0	-1.02e-04	2.26e-05
452	216	8.80	-0.17	-0.37	0.0	2.92e-03	-4.46e-04
452	225	5.12	-5.44	-0.39	0.0	1.70e-03	-2.60e-04
452	229	-0.40	-5.06	-0.40	0.0	-1.29e-04	2.90e-05
453	28	0.03	-0.50	-0.98	2.29e-04	7.67e-05	-6.90e-06
453	43	0.02	-0.82	-0.80	1.97e-04	6.23e-05	-5.38e-06
453	52	0.03	-5.28e-03	-0.97	2.07e-04	7.68e-05	-7.33e-06
453	80	0.02	-0.33	-0.68	1.57e-04	5.38e-05	-4.88e-06
453	87	0.01	-0.55	-0.56	1.36e-04	4.42e-05	-3.87e-06
453	92	0.02	-3.92e-03	-0.68	1.42e-04	5.38e-05	-5.16e-06
453	98	0.02	-3.80e-03	-0.56	1.12e-04	4.44e-05	-4.34e-06
453	105	0.01	-0.11	-0.53	1.09e-04	4.22e-05	-4.05e-06
453	107	0.02	-3.72e-03	-0.53	1.05e-04	4.22e-05	-4.14e-06
453	112	7.48	3.43e-04	-0.54	1.05e-04	1.12e-03	-4.22e-04
453	129	4.20	-4.78	-0.55	3.00e-04	6.48e-04	-2.57e-04
453	133	-0.28	-4.52	-0.56	2.95e-04	-1.73e-05	2.02e-05
453	144	8.43	-2.02e-03	-0.54	1.05e-04	1.25e-03	-4.75e-04
453	161	4.75	-5.38	-0.56	3.24e-04	7.27e-04	-2.91e-04
453	165	-0.33	-5.09	-0.56	3.18e-04	-2.54e-05	2.39e-05
453	176	8.49	-0.02	-0.54	1.06e-04	1.26e-03	-4.75e-04
453	193	4.88	-5.34	-0.56	3.22e-04	7.42e-04	-2.97e-04
453	197	-0.36	-4.99	-0.56	3.15e-04	-2.85e-05	2.64e-05
453	216	10.06	-0.20	-0.54	1.12e-04	1.44e-03	-6.14e-04
453	225	5.85	-6.23	-0.56	3.59e-04	8.79e-04	-3.55e-04
453	229	-0.46	-5.80	-0.57	3.49e-04	-4.29e-05	3.44e-05
454	28	0.02	-0.42	-0.59	0.0	6.59e-06	-4.58e-06
454	41	4.54e-03	-0.72	-0.30	0.0	1.73e-06	-2.23e-06
454	52	0.02	3.47e-03	-0.59	0.0	7.34e-06	-4.87e-06
454	80	0.01	-0.28	-0.41	0.0	4.53e-06	-3.24e-06
454	85	3.40e-03	-0.48	-0.22	0.0	1.29e-06	-1.67e-06
454	92	0.01	1.72e-03	-0.41	0.0	5.03e-06	-3.43e-06
454	98	0.01	-3.77e-04	-0.34	0.0	4.04e-06	-2.89e-06
454	104	5.14e-03	-0.10	-0.21	0.0	1.96e-06	-1.93e-06

454	106	5.58e-03	-3.22e-03	-0.21	0.0	2.12e-06	-2.00e-06
454	107	9.83e-03	-7.83e-04	-0.32	0.0	3.77e-06	-2.76e-06
454	112	5.50	4.69e-04	-0.33	0.0	2.08e-03	-2.18e-04
454	129	3.09	-3.57	-0.39	0.0	1.16e-03	-1.41e-04
454	133	-0.22	-3.38	-0.39	0.0	-7.72e-05	1.60e-05
454	144	6.20	-1.52e-03	-0.33	0.0	2.35e-03	-2.46e-04
454	161	3.50	-4.02	-0.40	0.0	1.32e-03	-1.59e-04
454	165	-0.25	-3.80	-0.40	0.0	-8.94e-05	1.86e-05
454	176	6.25	-0.01	-0.33	0.0	2.36e-03	-2.43e-04
454	193	3.59	-3.98	-0.40	0.0	1.35e-03	-1.61e-04
454	197	-0.27	-3.73	-0.40	0.0	-9.95e-05	1.98e-05
454	216	7.39	-0.15	-0.33	0.0	2.78e-03	-3.23e-04
454	225	4.31	-4.65	-0.41	0.0	1.62e-03	-1.91e-04
454	233	-0.34	-4.36	-0.42	0.0	-1.27e-04	1.36e-05
455	28	0.02	-0.46	-0.78	0.0	6.50e-06	-5.57e-06
455	45	2.03e-03	-0.77	-0.27	0.0	0.0	-1.73e-06
455	52	0.02	7.87e-03	-0.77	0.0	7.25e-06	-5.89e-06
455	80	0.01	-0.30	-0.54	0.0	4.47e-06	-3.94e-06
455	85	3.95e-03	-0.52	-0.28	0.0	1.25e-06	-2.04e-06
455	92	0.02	4.94e-03	-0.54	0.0	4.97e-06	-4.15e-06
455	98	0.01	2.68e-03	-0.44	0.0	3.98e-06	-3.49e-06
455	104	5.99e-03	-0.10	-0.28	0.0	1.91e-06	-2.32e-06
455	107	0.01	2.21e-03	-0.42	0.0	3.71e-06	-3.33e-06
455	112	6.40	4.79e-03	-0.43	0.0	2.06e-03	-3.20e-04
455	130	-3.57	4.18	-0.33	0.0	-1.14e-03	1.92e-04
455	133	-0.25	-3.95	-0.51	0.0	-7.51e-05	1.79e-05
455	144	7.21	2.60e-03	-0.43	0.0	2.32e-03	-3.60e-04
455	162	-4.04	4.70	-0.32	0.0	-1.29e-03	2.18e-04
455	165	-0.29	-4.44	-0.52	0.0	-8.70e-05	2.10e-05
455	176	7.26	-0.01	-0.43	0.0	2.34e-03	-3.59e-04
455	194	-4.15	4.66	-0.32	0.0	-1.33e-03	2.22e-04
455	197	-0.32	-4.36	-0.52	0.0	-9.71e-05	2.28e-05
455	216	8.58	-0.17	-0.43	0.0	2.75e-03	-4.69e-04
455	226	-4.98	5.45	-0.31	0.0	-1.60e-03	2.66e-04
455	233	-0.39	-5.10	-0.53	0.0	-1.26e-04	1.49e-05
456	28	0.02	-0.49	-1.12	4.09e-04	7.82e-05	-6.74e-06
456	43	0.02	-0.82	-0.92	3.45e-04	6.37e-05	-5.36e-06
456	52	0.03	-4.47e-03	-1.11	3.88e-04	7.82e-05	-7.02e-06
456	80	0.02	-0.33	-0.78	2.83e-04	5.49e-05	-4.76e-06
456	87	0.01	-0.55	-0.64	2.40e-04	4.52e-05	-3.84e-06
456	92	0.02	-3.33e-03	-0.77	2.69e-04	5.49e-05	-4.95e-06
456	98	0.01	-3.29e-03	-0.63	2.17e-04	4.53e-05	-4.16e-06
456	105	0.01	-0.11	-0.60	2.09e-04	4.31e-05	-3.91e-06
456	107	0.01	-3.23e-03	-0.60	2.04e-04	4.32e-05	-3.98e-06
456	112	7.28	8.43e-04	-0.61	2.14e-04	1.12e-03	-4.28e-04
456	129	4.09	-4.78	-0.69	4.00e-04	6.49e-04	-2.61e-04
456	133	-0.28	-4.52	-0.70	4.01e-04	-1.82e-05	2.05e-05
456	144	8.21	-1.52e-03	-0.61	2.15e-04	1.26e-03	-4.82e-04
456	161	4.62	-5.38	-0.70	4.24e-04	7.27e-04	-2.95e-04
456	165	-0.32	-5.09	-0.71	4.26e-04	-2.65e-05	2.41e-05
456	176	8.27	-0.02	-0.61	2.17e-04	1.26e-03	-4.82e-04
456	193	4.75	-5.34	-0.70	4.23e-04	7.42e-04	-3.01e-04
456	197	-0.36	-4.99	-0.71	4.22e-04	-2.92e-05	2.67e-05
456	216	9.77	-0.20	-0.62	2.23e-04	1.43e-03	-6.24e-04
456	225	5.69	-6.23	-0.72	4.60e-04	8.77e-04	-3.60e-04
456	233	-0.45	-5.84	-0.73	4.59e-04	-5.79e-05	1.73e-05
457	1	0.0	0.0	0.0	0.0	0.0	0.0
457	65	0.0	0.0	0.0	0.0	0.0	0.0
457	97	0.0	0.0	0.0	0.0	0.0	0.0
457	106	0.0	0.0	0.0	0.0	0.0	0.0
457	108	0.0	0.0	0.0	0.0	1.46e-03	-3.44e-06
457	140	0.0	0.0	0.0	0.0	1.64e-03	-3.88e-06
457	172	0.0	0.0	0.0	0.0	1.65e-03	-3.87e-06
457	204	0.0	0.0	0.0	0.0	1.94e-03	-4.55e-06
458	4	9.32e-04	6.64e-03	-0.19	0.0	1.75e-06	0.0
458	44	6.29e-04	-0.18	-0.13	0.0	1.19e-06	0.0
458	52	1.34e-03	-0.07	-0.18	0.0	2.52e-06	0.0
458	68	6.15e-04	2.38e-03	-0.13	0.0	1.15e-06	0.0
458	88	4.13e-04	-0.12	-0.09	0.0	0.0	0.0
458	92	8.85e-04	-0.05	-0.12	0.0	1.67e-06	0.0
458	98	6.73e-04	-0.04	-0.10	0.0	1.27e-06	0.0
458	105	5.51e-04	-0.05	-0.09	0.0	1.04e-06	0.0
458	107	6.04e-04	-0.04	-0.10	0.0	1.14e-06	0.0
458	112	0.94	-0.04	-0.13	0.0	1.79e-03	-7.14e-05
458	124	-0.04	0.59	-0.18	0.0	-6.77e-05	3.29e-06

458	129	0.52	-0.78	-0.03	0.0	9.93e-04	-4.24e-05
458	144	1.06	-0.04	-0.14	0.0	2.02e-03	-8.05e-05
458	156	-0.04	0.66	-0.19	0.0	-7.75e-05	3.77e-06
458	161	0.59	-0.87	-0.02	0.0	1.12e-03	-4.79e-05
458	176	1.07	-0.04	-0.14	0.0	2.03e-03	-8.06e-05
458	188	-0.04	0.66	-0.19	0.0	-8.33e-05	4.17e-06
458	193	0.61	-0.86	-0.02	0.0	1.15e-03	-4.91e-05
458	208	1.26	-0.04	-0.14	0.0	2.39e-03	-9.50e-05
458	220	-0.05	0.77	-0.20	0.0	-1.02e-04	5.26e-06
458	225	0.73	-1.00	-4.33e-03	0.0	1.37e-03	-5.89e-05
459	28	1.26e-03	-0.14	-0.14	0.0	2.26e-06	0.0
459	44	8.06e-04	-0.18	-0.12	0.0	1.43e-06	0.0
459	52	1.46e-03	-0.07	-0.14	0.0	2.66e-06	0.0
459	80	8.40e-04	-0.10	-0.10	0.0	1.51e-06	0.0
459	88	5.40e-04	-0.12	-0.09	0.0	0.0	0.0
459	92	9.79e-04	-0.05	-0.10	0.0	1.78e-06	0.0
459	98	7.55e-04	-0.04	-0.08	0.0	1.37e-06	0.0
459	105	6.40e-04	-0.05	-0.08	0.0	1.15e-06	0.0
459	107	6.86e-04	-0.04	-0.08	0.0	1.24e-06	0.0
459	112	0.91	-0.04	-0.09	0.0	1.73e-03	-7.11e-05
459	129	0.51	-0.78	-0.12	0.0	9.62e-04	-4.22e-05
459	133	-0.04	-0.74	-0.12	0.0	-8.03e-05	3.78e-06
459	144	1.03	-0.04	-0.09	0.0	1.95e-03	-8.02e-05
459	161	0.57	-0.87	-0.12	0.0	1.09e-03	-4.77e-05
459	165	-0.05	-0.82	-0.13	0.0	-9.18e-05	4.32e-06
459	176	1.03	-0.04	-0.09	0.0	1.96e-03	-8.03e-05
459	193	0.59	-0.86	-0.12	0.0	1.11e-03	-4.89e-05
459	197	-0.05	-0.81	-0.13	0.0	-9.74e-05	4.75e-06
459	208	1.22	-0.04	-0.09	0.0	2.31e-03	-9.46e-05
459	225	0.70	-1.00	-0.13	0.0	1.33e-03	-5.86e-05
459	229	-0.06	-0.94	-0.13	0.0	-1.18e-04	5.97e-06
460	1	0.0	0.0	0.0	0.0	0.0	0.0
460	65	0.0	0.0	0.0	0.0	0.0	0.0
460	97	0.0	0.0	0.0	0.0	0.0	0.0
460	106	0.0	0.0	0.0	0.0	0.0	0.0
460	108	0.0	0.0	0.0	0.0	1.41e-03	-3.49e-06
460	140	0.0	0.0	0.0	0.0	1.59e-03	-3.93e-06
460	172	0.0	0.0	0.0	0.0	1.59e-03	-3.92e-06
460	204	0.0	0.0	0.0	0.0	1.88e-03	-4.61e-06
461	4	1.82e-03	0.03	-0.39	0.0	1.64e-06	0.0
461	44	1.22e-03	-0.35	-0.28	0.0	1.11e-06	0.0
461	52	2.63e-03	-0.11	-0.37	0.0	2.42e-06	0.0
461	68	1.20e-03	0.02	-0.27	0.0	1.08e-06	0.0
461	88	8.02e-04	-0.24	-0.20	0.0	0.0	0.0
461	92	1.74e-03	-0.08	-0.26	0.0	1.60e-06	0.0
461	98	1.32e-03	-0.07	-0.21	0.0	1.21e-06	0.0
461	105	1.08e-03	-0.10	-0.19	0.0	0.0	0.0
461	107	1.19e-03	-0.06	-0.20	0.0	1.08e-06	0.0
461	112	1.88	-0.06	-0.26	0.0	1.78e-03	-1.47e-04
461	124	-0.07	1.19	-0.32	0.0	-6.80e-05	6.54e-06
461	129	1.05	-1.55	-0.10	0.0	9.87e-04	-8.70e-05
461	144	2.12	-0.06	-0.26	0.0	2.00e-03	-1.66e-04
461	156	-0.08	1.35	-0.33	0.0	-7.78e-05	7.51e-06
461	161	1.18	-1.74	-0.08	0.0	1.12e-03	-9.84e-05
461	176	2.14	-0.07	-0.26	0.0	2.01e-03	-1.66e-04
461	188	-0.09	1.33	-0.33	0.0	-8.33e-05	8.33e-06
461	193	1.21	-1.73	-0.09	0.0	1.14e-03	-1.01e-04
461	208	2.52	-0.07	-0.27	0.0	2.37e-03	-1.96e-04
461	220	-0.11	1.56	-0.35	0.0	-1.02e-04	1.06e-05
461	225	1.45	-2.01	-0.07	0.0	1.37e-03	-1.21e-04
462	28	2.40e-03	-0.26	-0.28	0.0	2.06e-06	0.0
462	44	1.52e-03	-0.35	-0.25	0.0	1.25e-06	0.0
462	52	2.82e-03	-0.11	-0.28	0.0	2.46e-06	0.0
462	80	1.61e-03	-0.18	-0.20	0.0	1.37e-06	0.0
462	88	1.01e-03	-0.24	-0.17	0.0	0.0	0.0
462	92	1.88e-03	-0.08	-0.20	0.0	1.63e-06	0.0
462	98	1.45e-03	-0.06	-0.16	0.0	1.25e-06	0.0
462	105	1.22e-03	-0.09	-0.15	0.0	1.04e-06	0.0
462	107	1.31e-03	-0.06	-0.15	0.0	1.13e-06	0.0
462	112	1.82	-0.06	-0.17	0.0	1.72e-03	-1.47e-04
462	129	1.01	-1.55	-0.22	0.0	9.55e-04	-8.67e-05
462	133	-0.08	-1.48	-0.24	0.0	-8.01e-05	7.53e-06
462	144	2.05	-0.06	-0.18	0.0	1.94e-03	-1.65e-04
462	161	1.14	-1.74	-0.23	0.0	1.08e-03	-9.81e-05
462	165	-0.10	-1.65	-0.25	0.0	-9.15e-05	8.63e-06

462	176	2.06	-0.07	-0.18	0.0	1.95e-03	-1.66e-04
462	193	1.17	-1.73	-0.23	0.0	1.10e-03	-1.01e-04
462	197	-0.10	-1.62	-0.25	0.0	-9.71e-05	9.53e-06
462	208	2.43	-0.07	-0.18	0.0	2.29e-03	-1.95e-04
462	225	1.40	-2.01	-0.25	0.0	1.32e-03	-1.21e-04
462	229	-0.12	-1.87	-0.26	0.0	-1.18e-04	1.20e-05
463	4	2.64e-03	0.08	-0.60	0.0	1.54e-06	0.0
463	44	1.76e-03	-0.50	-0.46	0.0	1.02e-06	0.0
463	52	3.87e-03	-0.14	-0.58	0.0	2.32e-06	0.0
463	68	1.74e-03	0.05	-0.42	0.0	1.01e-06	0.0
463	88	1.15e-03	-0.34	-0.33	0.0	0.0	0.0
463	92	2.55e-03	-0.10	-0.40	0.0	1.53e-06	0.0
463	98	1.93e-03	-0.08	-0.33	0.0	1.15e-06	0.0
463	105	1.57e-03	-0.13	-0.31	0.0	0.0	0.0
463	107	1.73e-03	-0.08	-0.31	0.0	1.03e-06	0.0
463	112	2.81	-0.08	-0.39	0.0	1.76e-03	-2.23e-04
463	124	-0.11	1.81	-0.44	0.0	-6.79e-05	9.58e-06
463	129	1.56	-2.32	-0.21	0.0	9.78e-04	-1.32e-04
463	144	3.17	-0.08	-0.39	0.0	1.98e-03	-2.52e-04
463	156	-0.12	2.05	-0.45	0.0	-7.78e-05	1.10e-05
463	161	1.77	-2.61	-0.20	0.0	1.11e-03	-1.49e-04
463	176	3.19	-0.09	-0.39	0.0	1.99e-03	-2.52e-04
463	188	-0.13	2.02	-0.45	0.0	-8.35e-05	1.23e-05
463	193	1.81	-2.59	-0.20	0.0	1.13e-03	-1.53e-04
463	208	3.76	-0.10	-0.40	0.0	2.35e-03	-2.97e-04
463	220	-0.16	2.37	-0.47	0.0	-1.02e-04	1.56e-05
463	225	2.16	-3.01	-0.19	0.0	1.35e-03	-1.84e-04
464	28	3.41e-03	-0.37	-0.43	0.0	1.87e-06	0.0
464	44	2.11e-03	-0.50	-0.38	0.0	1.09e-06	0.0
464	52	4.04e-03	-0.14	-0.43	0.0	2.27e-06	0.0
464	80	2.27e-03	-0.25	-0.30	0.0	1.24e-06	0.0
464	88	1.41e-03	-0.34	-0.26	0.0	0.0	0.0
464	92	2.69e-03	-0.10	-0.30	0.0	1.51e-06	0.0
464	98	2.07e-03	-0.08	-0.24	0.0	1.15e-06	0.0
464	105	1.73e-03	-0.13	-0.23	0.0	0.0	0.0
464	107	1.87e-03	-0.08	-0.23	0.0	1.03e-06	0.0
464	112	2.72	-0.08	-0.26	0.0	1.70e-03	-2.23e-04
464	129	1.51	-2.32	-0.34	0.0	9.45e-04	-1.32e-04
464	133	-0.13	-2.21	-0.35	0.0	-7.95e-05	1.11e-05
464	144	3.06	-0.08	-0.27	0.0	1.91e-03	-2.51e-04
464	161	1.71	-2.61	-0.35	0.0	1.07e-03	-1.49e-04
464	165	-0.14	-2.47	-0.37	0.0	-9.08e-05	1.27e-05
464	176	3.08	-0.09	-0.27	0.0	1.92e-03	-2.52e-04
464	193	1.74	-2.59	-0.35	0.0	1.09e-03	-1.53e-04
464	197	-0.15	-2.43	-0.37	0.0	-9.64e-05	1.41e-05
464	208	3.63	-0.10	-0.27	0.0	2.27e-03	-2.97e-04
464	225	2.09	-3.01	-0.37	0.0	1.31e-03	-1.83e-04
464	229	-0.19	-2.80	-0.39	0.0	-1.17e-04	1.78e-05
465	4	3.41e-03	0.15	-0.84	0.0	1.54e-06	0.0
465	44	2.25e-03	-0.64	-0.68	0.0	1.03e-06	0.0
465	52	5.04e-03	-0.15	-0.82	0.0	2.33e-06	0.0
465	68	2.24e-03	0.09	-0.58	0.0	1.01e-06	0.0
465	88	1.47e-03	-0.43	-0.48	0.0	0.0	0.0
465	92	3.33e-03	-0.11	-0.57	0.0	1.54e-06	0.0
465	98	2.51e-03	-0.09	-0.47	0.0	1.16e-06	0.0
465	105	2.04e-03	-0.15	-0.44	0.0	0.0	0.0
465	107	2.25e-03	-0.08	-0.44	0.0	1.04e-06	0.0
465	112	3.73	-0.08	-0.54	0.0	1.73e-03	-3.01e-04
465	124	-0.14	2.44	-0.55	0.0	-6.73e-05	1.26e-05
465	129	2.08	-3.08	-0.38	0.0	9.67e-04	-1.78e-04
465	144	4.21	-0.08	-0.55	0.0	1.95e-03	-3.40e-04
465	156	-0.16	2.75	-0.56	0.0	-7.71e-05	1.45e-05
465	161	2.35	-3.45	-0.37	0.0	1.09e-03	-2.01e-04
465	176	4.23	-0.10	-0.54	0.0	1.96e-03	-3.41e-04
465	188	-0.18	2.72	-0.56	0.0	-8.28e-05	1.62e-05
465	193	2.40	-3.43	-0.38	0.0	1.12e-03	-2.06e-04
465	208	4.99	-0.11	-0.56	0.0	2.31e-03	-4.02e-04
465	220	-0.22	3.18	-0.57	0.0	-1.02e-04	2.07e-05
465	225	2.87	-3.99	-0.37	0.0	1.34e-03	-2.48e-04
466	28	4.34e-03	-0.45	-0.60	0.0	1.80e-06	0.0
466	44	2.64e-03	-0.64	-0.52	0.0	1.03e-06	0.0
466	52	5.18e-03	-0.15	-0.59	0.0	2.20e-06	0.0
466	80	2.89e-03	-0.31	-0.42	0.0	1.19e-06	0.0
466	88	1.75e-03	-0.43	-0.36	0.0	0.0	0.0
466	92	3.45e-03	-0.11	-0.41	0.0	1.46e-06	0.0

466	98	2.64e-03	-0.09	-0.34	0.0	1.10e-06	0.0
466	105	2.20e-03	-0.15	-0.32	0.0	0.0	0.0
466	107	2.38e-03	-0.08	-0.32	0.0	0.0	0.0
466	112	3.60	-0.08	-0.36	0.0	1.67e-03	-3.01e-04
466	129	2.00	-3.08	-0.46	0.0	9.34e-04	-1.78e-04
466	133	-0.17	-2.92	-0.48	0.0	-7.85e-05	1.45e-05
466	144	4.06	-0.08	-0.37	0.0	1.89e-03	-3.40e-04
466	161	2.26	-3.45	-0.47	0.0	1.06e-03	-2.01e-04
466	165	-0.19	-3.27	-0.50	0.0	-8.97e-05	1.67e-05
466	176	4.08	-0.09	-0.37	0.0	1.90e-03	-3.41e-04
466	193	2.32	-3.42	-0.47	0.0	1.08e-03	-2.06e-04
466	197	-0.20	-3.21	-0.50	0.0	-9.53e-05	1.86e-05
466	208	4.81	-0.11	-0.38	0.0	2.24e-03	-4.01e-04
466	225	2.77	-3.99	-0.50	0.0	1.29e-03	-2.47e-04
466	229	-0.25	-3.72	-0.53	0.0	-1.16e-04	2.36e-05
467	28	1.46e-03	-0.14	-0.07	0.0	2.54e-06	0.0
467	44	1.03e-03	-0.18	-0.06	0.0	1.75e-06	0.0
467	52	1.63e-03	-0.07	-0.06	0.0	2.86e-06	0.0
467	80	9.90e-04	-0.09	-0.05	0.0	1.71e-06	0.0
467	88	7.02e-04	-0.12	-0.04	0.0	1.19e-06	0.0
467	92	1.10e-03	-0.05	-0.04	0.0	1.93e-06	0.0
467	98	8.64e-04	-0.04	-0.04	0.0	1.51e-06	0.0
467	105	7.56e-04	-0.05	-0.04	0.0	1.31e-06	0.0
467	107	7.93e-04	-0.04	-0.04	0.0	1.38e-06	0.0
467	112	0.88	-0.04	-0.04	0.0	1.66e-03	-7.01e-05
467	129	0.49	-0.78	-0.04	0.0	9.20e-04	-4.15e-05
467	133	-0.04	-0.74	-0.05	0.0	-7.97e-05	3.69e-06
467	144	0.99	-0.04	-0.04	0.0	1.87e-03	-7.90e-05
467	161	0.55	-0.87	-0.05	0.0	1.04e-03	-4.70e-05
467	165	-0.05	-0.83	-0.05	0.0	-9.09e-05	4.23e-06
467	176	0.99	-0.04	-0.04	0.0	1.88e-03	-7.91e-05
467	193	0.56	-0.86	-0.05	0.0	1.06e-03	-4.80e-05
467	197	-0.05	-0.81	-0.05	0.0	-9.58e-05	4.65e-06
467	208	1.17	-0.04	-0.04	0.0	2.21e-03	-9.31e-05
467	225	0.67	-1.00	-0.05	0.0	1.27e-03	-5.76e-05
467	229	-0.06	-0.94	-0.05	0.0	-1.16e-04	5.85e-06
468	1	0.0	0.0	0.0	0.0	0.0	0.0
468	65	0.0	0.0	0.0	0.0	0.0	0.0
468	97	0.0	0.0	0.0	0.0	0.0	0.0
468	106	0.0	0.0	0.0	0.0	0.0	0.0
468	108	0.0	0.0	0.0	0.0	1.35e-03	-3.52e-06
468	140	0.0	0.0	0.0	0.0	1.52e-03	-3.97e-06
468	172	0.0	0.0	0.0	0.0	1.53e-03	-3.96e-06
468	204	0.0	0.0	0.0	0.0	1.80e-03	-4.64e-06
469	28	2.72e-03	-0.26	-0.13	0.0	2.17e-06	0.0
469	44	1.89e-03	-0.35	-0.11	0.0	1.44e-06	0.0
469	52	3.06e-03	-0.11	-0.13	0.0	2.50e-06	0.0
469	80	1.83e-03	-0.18	-0.09	0.0	1.46e-06	0.0
469	88	1.28e-03	-0.24	-0.08	0.0	0.0	0.0
469	92	2.06e-03	-0.08	-0.09	0.0	1.68e-06	0.0
469	98	1.61e-03	-0.06	-0.07	0.0	1.30e-06	0.0
469	105	1.40e-03	-0.09	-0.07	0.0	1.11e-06	0.0
469	107	1.48e-03	-0.06	-0.07	0.0	1.19e-06	0.0
469	112	1.74	-0.06	-0.08	0.0	1.64e-03	-1.45e-04
469	129	0.97	-1.55	-0.09	0.0	9.12e-04	-8.56e-05
469	133	-0.08	-1.48	-0.09	0.0	-7.94e-05	7.40e-06
469	144	1.97	-0.06	-0.08	0.0	1.85e-03	-1.63e-04
469	161	1.09	-1.74	-0.09	0.0	1.03e-03	-9.69e-05
469	165	-0.10	-1.65	-0.10	0.0	-9.06e-05	8.49e-06
469	176	1.98	-0.07	-0.08	0.0	1.86e-03	-1.64e-04
469	193	1.12	-1.73	-0.09	0.0	1.05e-03	-9.92e-05
469	197	-0.10	-1.62	-0.09	0.0	-9.54e-05	9.36e-06
469	208	2.33	-0.07	-0.08	0.0	2.19e-03	-1.93e-04
469	225	1.33	-2.01	-0.10	0.0	1.26e-03	-1.19e-04
469	229	-0.12	-1.87	-0.10	0.0	-1.16e-04	1.18e-05
470	28	3.73e-03	-0.37	-0.19	0.0	1.88e-06	0.0
470	44	2.53e-03	-0.50	-0.17	0.0	1.18e-06	0.0
470	52	4.24e-03	-0.14	-0.19	0.0	2.21e-06	0.0
470	80	2.51e-03	-0.25	-0.13	0.0	1.25e-06	0.0
470	88	1.71e-03	-0.34	-0.12	0.0	0.0	0.0
470	92	2.85e-03	-0.10	-0.13	0.0	1.47e-06	0.0
470	98	2.22e-03	-0.08	-0.11	0.0	1.13e-06	0.0
470	105	1.92e-03	-0.13	-0.10	0.0	0.0	0.0
470	107	2.03e-03	-0.08	-0.10	0.0	1.03e-06	0.0
470	112	2.60	-0.08	-0.11	0.0	1.62e-03	-2.21e-04

470	129	1.44	-2.32	-0.13	0.0	9.01e-04	-1.30e-04
470	133	-0.13	-2.20	-0.14	0.0	-7.88e-05	1.09e-05
470	144	2.93	-0.08	-0.11	0.0	1.82e-03	-2.49e-04
470	161	1.63	-2.60	-0.14	0.0	1.02e-03	-1.47e-04
470	165	-0.14	-2.47	-0.14	0.0	-8.98e-05	1.26e-05
470	176	2.94	-0.09	-0.11	0.0	1.83e-03	-2.50e-04
470	193	1.67	-2.58	-0.14	0.0	1.04e-03	-1.51e-04
470	197	-0.15	-2.43	-0.14	0.0	-9.46e-05	1.39e-05
470	208	3.47	-0.10	-0.12	0.0	2.16e-03	-2.94e-04
470	225	1.99	-3.01	-0.14	0.0	1.24e-03	-1.81e-04
470	229	-0.18	-2.80	-0.15	0.0	-1.15e-04	1.76e-05
471	28	4.63e-03	-0.45	-0.26	0.0	1.82e-06	0.0
471	44	3.08e-03	-0.63	-0.23	0.0	1.13e-06	0.0
471	52	5.32e-03	-0.15	-0.26	0.0	2.15e-06	0.0
471	80	3.11e-03	-0.31	-0.18	0.0	1.21e-06	0.0
471	88	2.08e-03	-0.43	-0.16	0.0	0.0	0.0
471	92	3.57e-03	-0.10	-0.18	0.0	1.43e-06	0.0
471	98	2.77e-03	-0.08	-0.15	0.0	1.10e-06	0.0
471	105	2.37e-03	-0.15	-0.14	0.0	0.0	0.0
471	107	2.53e-03	-0.08	-0.14	0.0	0.0	0.0
471	112	3.44	-0.08	-0.15	0.0	1.60e-03	-3.00e-04
471	129	1.91	-3.07	-0.18	0.0	8.89e-04	-1.76e-04
471	133	-0.17	-2.91	-0.18	0.0	-7.78e-05	1.44e-05
471	144	3.88	-0.08	-0.15	0.0	1.80e-03	-3.38e-04
471	161	2.16	-3.45	-0.18	0.0	1.01e-03	-2.00e-04
471	165	-0.19	-3.27	-0.19	0.0	-8.87e-05	1.66e-05
471	176	3.90	-0.09	-0.15	0.0	1.81e-03	-3.39e-04
471	193	2.21	-3.42	-0.18	0.0	1.03e-03	-2.05e-04
471	197	-0.20	-3.21	-0.19	0.0	-9.35e-05	1.85e-05
471	208	4.59	-0.11	-0.15	0.0	2.13e-03	-3.99e-04
471	225	2.64	-3.98	-0.19	0.0	1.23e-03	-2.46e-04
471	229	-0.24	-3.71	-0.20	0.0	-1.13e-04	2.34e-05
472	28	1.61e-03	-0.14	-0.04	0.0	2.73e-06	0.0
472	44	1.20e-03	-0.18	-0.03	0.0	2.00e-06	0.0
472	52	1.74e-03	-0.06	-0.04	0.0	2.99e-06	0.0
472	80	1.09e-03	-0.09	-0.03	0.0	1.86e-06	0.0
472	88	8.22e-04	-0.12	-0.02	0.0	1.37e-06	0.0
472	92	1.18e-03	-0.04	-0.03	0.0	2.03e-06	0.0
472	98	9.36e-04	-0.04	-0.02	0.0	1.60e-06	0.0
472	105	8.36e-04	-0.05	-0.02	0.0	1.42e-06	0.0
472	107	8.66e-04	-0.03	-0.02	0.0	1.48e-06	0.0
472	112	0.84	-0.03	-0.02	0.0	1.60e-03	-6.95e-05
472	129	0.47	-0.78	-0.02	0.0	8.85e-04	-4.09e-05
472	133	-0.04	-0.74	-0.02	0.0	-7.95e-05	3.41e-06
472	144	0.95	-0.03	-0.02	0.0	1.80e-03	-7.83e-05
472	161	0.53	-0.87	-0.02	0.0	1.00e-03	-4.63e-05
472	165	-0.05	-0.83	-0.02	0.0	-9.06e-05	3.93e-06
472	176	0.95	-0.04	-0.02	0.0	1.81e-03	-7.82e-05
472	193	0.54	-0.86	-0.02	0.0	1.02e-03	-4.72e-05
472	197	-0.05	-0.81	-0.02	0.0	-9.48e-05	4.32e-06
472	208	1.12	-0.04	-0.02	0.0	2.13e-03	-9.19e-05
472	225	0.64	-1.00	-0.02	0.0	1.22e-03	-5.66e-05
472	229	-0.06	-0.94	-0.02	0.0	-1.14e-04	5.49e-06
473	1	0.0	0.0	0.0	0.0	0.0	0.0
473	65	0.0	0.0	0.0	0.0	0.0	0.0
473	97	0.0	0.0	0.0	0.0	0.0	0.0
473	106	0.0	0.0	0.0	0.0	0.0	0.0
473	108	0.0	0.0	0.0	0.0	1.30e-03	-3.53e-06
473	140	0.0	0.0	0.0	0.0	1.46e-03	-3.98e-06
473	172	0.0	0.0	0.0	0.0	1.47e-03	-3.96e-06
473	204	0.0	0.0	0.0	0.0	1.73e-03	-4.64e-06
474	28	2.93e-03	-0.26	-0.07	0.0	2.27e-06	0.0
474	44	2.16e-03	-0.35	-0.06	0.0	1.60e-06	0.0
474	52	3.21e-03	-0.11	-0.07	0.0	2.53e-06	0.0
474	80	1.99e-03	-0.18	-0.05	0.0	1.53e-06	0.0
474	88	1.48e-03	-0.23	-0.04	0.0	1.09e-06	0.0
474	92	2.18e-03	-0.08	-0.05	0.0	1.71e-06	0.0
474	98	1.72e-03	-0.06	-0.04	0.0	1.34e-06	0.0
474	105	1.52e-03	-0.09	-0.04	0.0	1.17e-06	0.0
474	107	1.58e-03	-0.06	-0.04	0.0	1.23e-06	0.0
474	112	1.68	-0.06	-0.04	0.0	1.57e-03	-1.43e-04
474	129	0.93	-1.55	-0.04	0.0	8.74e-04	-8.41e-05
474	133	-0.08	-1.47	-0.04	0.0	-7.91e-05	7.02e-06
474	144	1.89	-0.06	-0.04	0.0	1.77e-03	-1.61e-04
474	161	1.05	-1.74	-0.04	0.0	9.88e-04	-9.52e-05

474	165	-0.10	-1.65	-0.04	0.0	-9.01e-05	8.08e-06
474	176	1.90	-0.07	-0.04	0.0	1.78e-03	-1.61e-04
474	193	1.07	-1.73	-0.04	0.0	1.01e-03	-9.72e-05
474	197	-0.10	-1.62	-0.04	0.0	-9.43e-05	8.91e-06
474	208	2.24	-0.07	-0.04	0.0	2.10e-03	-1.90e-04
474	225	1.28	-2.01	-0.04	0.0	1.20e-03	-1.17e-04
474	229	-0.12	-1.87	-0.05	0.0	-1.14e-04	1.13e-05
475	28	3.95e-03	-0.36	-0.11	0.0	1.95e-06	0.0
475	44	2.85e-03	-0.50	-0.09	0.0	1.33e-06	0.0
475	52	4.36e-03	-0.14	-0.11	0.0	2.22e-06	0.0
475	80	2.68e-03	-0.25	-0.07	0.0	1.32e-06	0.0
475	88	1.95e-03	-0.34	-0.06	0.0	0.0	0.0
475	92	2.95e-03	-0.10	-0.07	0.0	1.49e-06	0.0
475	98	2.32e-03	-0.08	-0.06	0.0	1.17e-06	0.0
475	105	2.05e-03	-0.12	-0.06	0.0	1.01e-06	0.0
475	107	2.14e-03	-0.07	-0.06	0.0	1.07e-06	0.0
475	112	2.50	-0.07	-0.06	0.0	1.55e-03	-2.18e-04
475	129	1.39	-2.32	-0.06	0.0	8.61e-04	-1.28e-04
475	133	-0.12	-2.20	-0.06	0.0	-7.83e-05	1.06e-05
475	144	2.81	-0.08	-0.06	0.0	1.74e-03	-2.46e-04
475	161	1.57	-2.60	-0.06	0.0	9.73e-04	-1.45e-04
475	165	-0.14	-2.47	-0.07	0.0	-8.91e-05	1.22e-05
475	176	2.83	-0.08	-0.06	0.0	1.75e-03	-2.46e-04
475	193	1.60	-2.58	-0.06	0.0	9.93e-04	-1.48e-04
475	197	-0.15	-2.42	-0.07	0.0	-9.33e-05	1.35e-05
475	208	3.33	-0.09	-0.06	0.0	2.06e-03	-2.89e-04
475	225	1.91	-3.01	-0.07	0.0	1.19e-03	-1.78e-04
475	229	-0.18	-2.80	-0.07	0.0	-1.13e-04	1.71e-05
476	28	4.88e-03	-0.45	-0.14	0.0	2.05e-06	0.0
476	44	3.47e-03	-0.63	-0.12	0.0	1.41e-06	0.0
476	52	5.43e-03	-0.14	-0.14	0.0	2.31e-06	0.0
476	80	3.30e-03	-0.30	-0.10	0.0	1.38e-06	0.0
476	88	2.36e-03	-0.42	-0.09	0.0	0.0	0.0
476	92	3.67e-03	-0.10	-0.10	0.0	1.56e-06	0.0
476	98	2.88e-03	-0.08	-0.08	0.0	1.22e-06	0.0
476	105	2.53e-03	-0.15	-0.08	0.0	1.06e-06	0.0
476	107	2.65e-03	-0.08	-0.08	0.0	1.11e-06	0.0
476	112	3.30	-0.08	-0.08	0.0	1.52e-03	-2.96e-04
476	129	1.83	-3.07	-0.09	0.0	8.48e-04	-1.74e-04
476	133	-0.17	-2.91	-0.09	0.0	-7.70e-05	1.44e-05
476	144	3.72	-0.08	-0.08	0.0	1.72e-03	-3.34e-04
476	161	2.07	-3.45	-0.09	0.0	9.59e-04	-1.97e-04
476	165	-0.19	-3.26	-0.09	0.0	-8.77e-05	1.65e-05
476	176	3.74	-0.09	-0.08	0.0	1.72e-03	-3.35e-04
476	193	2.12	-3.42	-0.09	0.0	9.79e-04	-2.02e-04
476	197	-0.20	-3.21	-0.09	0.0	-9.19e-05	1.83e-05
476	208	4.40	-0.10	-0.08	0.0	2.03e-03	-3.94e-04
476	225	2.52	-3.98	-0.09	0.0	1.17e-03	-2.42e-04
476	229	-0.24	-3.71	-0.09	0.0	-1.11e-04	2.32e-05
477	28	1.49e-03	-0.14	-0.03	0.0	2.67e-06	-1.17e-06
477	44	1.15e-03	-0.18	-0.02	0.0	2.03e-06	0.0
477	52	1.59e-03	-0.06	-0.03	0.0	2.86e-06	-1.22e-06
477	80	1.02e-03	-0.09	-0.02	0.0	1.82e-06	0.0
477	88	7.88e-04	-0.12	-0.02	0.0	1.40e-06	0.0
477	92	1.09e-03	-0.04	-0.02	0.0	1.95e-06	0.0
477	98	8.64e-04	-0.03	-0.02	0.0	1.55e-06	0.0
477	105	7.79e-04	-0.05	-0.01	0.0	1.39e-06	0.0
477	107	8.01e-04	-0.03	-0.01	0.0	1.44e-06	0.0
477	112	0.81	-0.03	-0.02	0.0	1.53e-03	-7.19e-05
477	129	0.45	-0.78	-0.01	0.0	8.51e-04	-4.18e-05
477	144	0.92	-0.03	-0.02	0.0	1.73e-03	-8.10e-05
477	161	0.51	-0.87	-0.01	0.0	9.61e-04	-4.71e-05
477	176	0.92	-0.04	-0.02	0.0	1.74e-03	-8.07e-05
477	193	0.52	-0.86	-0.01	0.0	9.80e-04	-4.80e-05
477	208	1.08	-0.04	-0.02	0.0	2.04e-03	-9.47e-05
477	225	0.62	-1.00	-0.01	0.0	1.17e-03	-5.74e-05
478	1	0.0	0.0	0.0	0.0	0.0	0.0
478	65	0.0	0.0	0.0	0.0	0.0	0.0
478	97	0.0	0.0	0.0	0.0	0.0	0.0
478	106	0.0	0.0	0.0	0.0	0.0	0.0
478	108	0.0	0.0	0.0	0.0	1.25e-03	-3.74e-06
478	140	0.0	0.0	0.0	0.0	1.41e-03	-4.20e-06
478	172	0.0	0.0	0.0	0.0	1.41e-03	-4.17e-06
478	204	0.0	0.0	0.0	0.0	1.66e-03	-4.88e-06
479	28	2.84e-03	-0.26	-0.05	0.0	2.47e-06	-1.24e-06

479	44	2.17e-03	-0.34	-0.05	0.0	1.86e-06	0.0
479	52	3.04e-03	-0.11	-0.05	0.0	2.66e-06	-1.36e-06
479	80	1.94e-03	-0.18	-0.04	0.0	1.68e-06	0.0
479	88	1.49e-03	-0.23	-0.03	0.0	1.28e-06	0.0
479	92	2.08e-03	-0.08	-0.04	0.0	1.81e-06	0.0
479	98	1.65e-03	-0.06	-0.03	0.0	1.44e-06	0.0
479	105	1.48e-03	-0.09	-0.03	0.0	1.29e-06	0.0
479	107	1.53e-03	-0.06	-0.03	0.0	1.33e-06	0.0
479	112	1.61	-0.06	-0.03	0.0	1.51e-03	-1.44e-04
479	129	0.90	-1.55	-0.03	0.0	8.38e-04	-8.37e-05
479	144	1.82	-0.06	-0.03	0.0	1.70e-03	-1.62e-04
479	161	1.01	-1.74	-0.03	0.0	9.47e-04	-9.45e-05
479	176	1.83	-0.06	-0.03	0.0	1.71e-03	-1.61e-04
479	193	1.03	-1.73	-0.03	0.0	9.65e-04	-9.64e-05
479	208	2.15	-0.07	-0.03	0.0	2.01e-03	-1.90e-04
479	225	1.23	-2.01	-0.03	0.0	1.15e-03	-1.15e-04
480	28	4.04e-03	-0.36	-0.08	0.0	2.38e-06	0.0
480	44	3.06e-03	-0.50	-0.07	0.0	1.78e-06	0.0
480	52	4.34e-03	-0.14	-0.08	0.0	2.58e-06	0.0
480	80	2.75e-03	-0.25	-0.06	0.0	1.62e-06	0.0
480	88	2.10e-03	-0.33	-0.05	0.0	1.23e-06	0.0
480	92	2.96e-03	-0.09	-0.06	0.0	1.75e-06	0.0
480	98	2.35e-03	-0.08	-0.05	0.0	1.39e-06	0.0
480	105	2.11e-03	-0.12	-0.04	0.0	1.25e-06	0.0
480	107	2.18e-03	-0.07	-0.04	0.0	1.29e-06	0.0
480	112	2.40	-0.07	-0.05	0.0	1.48e-03	-2.14e-04
480	113	1.93	-1.24	-0.05	0.0	1.19e-03	-1.73e-04
480	129	1.33	-2.32	-0.04	0.0	8.22e-04	-1.25e-04
480	144	2.70	-0.07	-0.05	0.0	1.67e-03	-2.41e-04
480	145	2.18	-1.39	-0.05	0.0	1.34e-03	-1.95e-04
480	161	1.50	-2.60	-0.05	0.0	9.29e-04	-1.41e-04
480	176	2.71	-0.08	-0.05	0.0	1.67e-03	-2.41e-04
480	177	2.18	-1.37	-0.05	0.0	1.34e-03	-1.94e-04
480	193	1.53	-2.58	-0.04	0.0	9.47e-04	-1.44e-04
480	208	3.19	-0.09	-0.05	0.0	1.97e-03	-2.83e-04
480	209	2.57	-1.59	-0.05	0.0	1.58e-03	-2.27e-04
480	225	1.83	-3.00	-0.05	0.0	1.13e-03	-1.73e-04
481	28	5.24e-03	-0.44	-0.11	0.0	2.64e-06	1.41e-06
481	44	3.96e-03	-0.63	-0.09	0.0	2.01e-06	1.55e-06
481	52	5.65e-03	-0.14	-0.11	0.0	2.83e-06	1.14e-06
481	80	3.58e-03	-0.30	-0.07	0.0	1.80e-06	1.02e-06
481	88	2.72e-03	-0.42	-0.06	0.0	1.38e-06	1.11e-06
481	92	3.85e-03	-0.10	-0.07	0.0	1.93e-06	0.0
481	98	3.06e-03	-0.08	-0.06	0.0	1.54e-06	0.0
481	105	2.74e-03	-0.14	-0.06	0.0	1.38e-06	0.0
481	107	2.83e-03	-0.08	-0.06	0.0	1.43e-06	0.0
481	112	3.17	-0.08	-0.06	0.0	1.45e-03	-2.89e-04
481	113	2.55	-1.63	-0.06	0.0	1.17e-03	-2.33e-04
481	129	1.76	-3.07	-0.06	0.0	8.07e-04	-1.69e-04
481	144	3.57	-0.08	-0.06	0.0	1.63e-03	-3.26e-04
481	145	2.87	-1.83	-0.06	0.0	1.31e-03	-2.63e-04
481	161	1.99	-3.44	-0.06	0.0	9.11e-04	-1.91e-04
481	176	3.58	-0.09	-0.06	0.0	1.64e-03	-3.26e-04
481	177	2.88	-1.81	-0.06	0.0	1.32e-03	-2.62e-04
481	193	2.02	-3.42	-0.06	0.0	9.29e-04	-1.95e-04
481	208	4.21	-0.10	-0.06	0.0	1.93e-03	-3.84e-04
481	209	3.39	-2.10	-0.06	0.0	1.55e-03	-3.08e-04
481	225	2.41	-3.98	-0.06	0.0	1.11e-03	-2.34e-04
482	28	6.43e-04	-0.13	-0.03	0.0	1.95e-06	-3.20e-06
482	44	4.59e-04	-0.18	-0.03	0.0	1.50e-06	-2.66e-06
482	52	7.16e-04	-0.06	-0.03	0.0	2.09e-06	-3.24e-06
482	80	4.36e-04	-0.09	-0.02	0.0	1.34e-06	-2.21e-06
482	88	3.14e-04	-0.12	-0.02	0.0	1.03e-06	-1.85e-06
482	92	4.85e-04	-0.04	-0.02	0.0	1.43e-06	-2.23e-06
482	98	3.80e-04	-0.03	-0.02	0.0	1.13e-06	-1.80e-06
482	105	3.34e-04	-0.05	-0.02	0.0	1.02e-06	-1.68e-06
482	107	3.51e-04	-0.03	-0.02	0.0	1.05e-06	-1.69e-06
482	112	0.78	-0.03	-0.02	0.0	1.48e-03	-8.06e-05
482	113	0.63	-0.42	-0.02	0.0	1.19e-03	-6.59e-05
482	129	0.43	-0.78	-0.02	0.0	8.19e-04	-4.59e-05
482	141	0.88	-0.48	-0.02	0.0	1.66e-03	-9.02e-05
482	144	0.88	-0.03	-0.02	0.0	1.66e-03	-9.06e-05
482	161	0.49	-0.87	-0.02	0.0	9.25e-04	-5.16e-05
482	173	0.88	-0.48	-0.02	0.0	1.66e-03	-8.98e-05
482	176	0.88	-0.03	-0.02	0.0	1.67e-03	-9.02e-05

482	193	0.50	-0.86	-0.02	0.0	9.41e-04	-5.26e-05
482	205	1.04	-0.55	-0.02	0.0	1.96e-03	-1.05e-04
482	208	1.04	-0.04	-0.02	0.0	1.96e-03	-1.06e-04
482	225	0.59	-1.00	-0.02	0.0	1.12e-03	-6.26e-05
483	1	0.0	0.0	0.0	0.0	0.0	0.0
483	65	0.0	0.0	0.0	0.0	0.0	0.0
483	97	0.0	0.0	0.0	0.0	0.0	0.0
483	106	0.0	0.0	0.0	0.0	0.0	0.0
483	108	0.0	0.0	0.0	0.0	1.20e-03	-4.31e-06
483	140	0.0	0.0	0.0	0.0	1.35e-03	-4.82e-06
483	172	0.0	0.0	0.0	0.0	1.35e-03	-4.79e-06
483	204	0.0	0.0	0.0	0.0	1.59e-03	-5.57e-06
484	28	1.91e-03	-0.26	-0.06	0.0	3.04e-06	-3.52e-06
484	44	1.45e-03	-0.34	-0.05	0.0	2.43e-06	-2.85e-06
484	52	2.05e-03	-0.11	-0.06	0.0	3.17e-06	-3.62e-06
484	80	1.30e-03	-0.17	-0.04	0.0	2.09e-06	-2.42e-06
484	88	1.00e-03	-0.23	-0.04	0.0	1.68e-06	-1.97e-06
484	92	1.40e-03	-0.07	-0.04	0.0	2.17e-06	-2.49e-06
484	98	1.11e-03	-0.06	-0.03	0.0	1.74e-06	-2.00e-06
484	105	9.98e-04	-0.09	-0.03	0.0	1.60e-06	-1.84e-06
484	107	1.03e-03	-0.06	-0.03	0.0	1.63e-06	-1.86e-06
484	109	1.55	-0.86	-0.04	0.0	1.45e-03	-1.52e-04
484	112	1.55	-0.06	-0.04	0.0	1.45e-03	-1.52e-04
484	129	0.86	-1.55	-0.04	0.0	8.07e-04	-8.70e-05
484	141	1.75	-0.96	-0.04	0.0	1.63e-03	-1.71e-04
484	144	1.75	-0.06	-0.04	0.0	1.64e-03	-1.71e-04
484	161	0.97	-1.74	-0.04	0.0	9.11e-04	-9.81e-05
484	173	1.75	-0.95	-0.04	0.0	1.64e-03	-1.70e-04
484	176	1.75	-0.06	-0.04	0.0	1.64e-03	-1.70e-04
484	193	0.99	-1.73	-0.04	0.0	9.27e-04	-9.98e-05
484	205	2.06	-1.10	-0.04	0.0	1.93e-03	-1.99e-04
484	208	2.06	-0.07	-0.04	0.0	1.93e-03	-2.00e-04
484	225	1.18	-2.01	-0.04	0.0	1.10e-03	-1.19e-04
485	28	3.87e-03	-0.36	-0.09	0.0	3.81e-06	-1.08e-06
485	44	3.05e-03	-0.49	-0.07	0.0	3.10e-06	0.0
485	52	4.08e-03	-0.13	-0.09	0.0	3.94e-06	-1.27e-06
485	80	2.65e-03	-0.24	-0.06	0.0	2.63e-06	0.0
485	88	2.10e-03	-0.33	-0.05	0.0	2.15e-06	0.0
485	92	2.79e-03	-0.09	-0.06	0.0	2.71e-06	0.0
485	98	2.23e-03	-0.08	-0.05	0.0	2.19e-06	0.0
485	105	2.03e-03	-0.12	-0.05	0.0	2.02e-06	0.0
485	107	2.08e-03	-0.07	-0.05	0.0	2.05e-06	0.0
485	109	2.30	-1.28	-0.05	0.0	1.41e-03	-2.09e-04
485	112	2.31	-0.07	-0.05	0.0	1.41e-03	-2.09e-04
485	129	1.28	-2.32	-0.05	0.0	7.88e-04	-1.21e-04
485	141	2.59	-1.43	-0.05	0.0	1.59e-03	-2.35e-04
485	144	2.60	-0.07	-0.05	0.0	1.59e-03	-2.36e-04
485	161	1.45	-2.60	-0.05	0.0	8.89e-04	-1.37e-04
485	173	2.60	-1.42	-0.05	0.0	1.59e-03	-2.34e-04
485	176	2.61	-0.08	-0.05	0.0	1.60e-03	-2.34e-04
485	193	1.47	-2.58	-0.05	0.0	9.05e-04	-1.39e-04
485	205	3.06	-1.64	-0.05	0.0	1.88e-03	-2.74e-04
485	208	3.07	-0.09	-0.05	0.0	1.88e-03	-2.75e-04
485	225	1.75	-3.00	-0.05	0.0	1.08e-03	-1.66e-04
486	28	6.05e-03	-0.44	-0.12	0.0	4.04e-06	3.20e-06
486	44	4.82e-03	-0.62	-0.10	0.0	3.29e-06	3.07e-06
486	52	6.32e-03	-0.14	-0.12	0.0	4.15e-06	2.91e-06
486	80	4.16e-03	-0.30	-0.08	0.0	2.78e-06	2.25e-06
486	88	3.34e-03	-0.42	-0.07	0.0	2.29e-06	2.17e-06
486	92	4.34e-03	-0.10	-0.08	0.0	2.86e-06	2.06e-06
486	98	3.48e-03	-0.08	-0.07	0.0	2.32e-06	1.71e-06
486	105	3.19e-03	-0.14	-0.06	0.0	2.14e-06	1.71e-06
486	107	3.25e-03	-0.07	-0.06	0.0	2.17e-06	1.64e-06
486	108	2.45	-0.03	-0.07	0.0	1.11e-03	-2.20e-04
486	112	3.04	-0.07	-0.07	0.0	1.38e-03	-2.72e-04
486	129	1.69	-3.07	-0.06	0.0	7.67e-04	-1.58e-04
486	140	2.76	-0.02	-0.07	0.0	1.25e-03	-2.48e-04
486	144	3.42	-0.08	-0.07	0.0	1.55e-03	-3.07e-04
486	161	1.91	-3.44	-0.06	0.0	8.66e-04	-1.79e-04
486	172	2.76	-0.03	-0.07	0.0	1.25e-03	-2.46e-04
486	176	3.43	-0.09	-0.07	0.0	1.55e-03	-3.06e-04
486	193	1.94	-3.42	-0.06	0.0	8.81e-04	-1.83e-04
486	204	3.25	-0.03	-0.07	0.0	1.47e-03	-2.89e-04
486	208	4.04	-0.10	-0.07	0.0	1.83e-03	-3.60e-04
486	225	2.31	-3.98	-0.06	0.0	1.05e-03	-2.19e-04

487	4	-1.89e-03	0.02	-0.07	0.0	0.0	-6.05e-06
487	28	-1.69e-03	-0.13	-0.07	0.0	0.0	-6.15e-06
487	44	-1.50e-03	-0.17	-0.06	0.0	0.0	-5.19e-06
487	68	-1.31e-03	8.54e-03	-0.05	0.0	0.0	-4.18e-06
487	80	-1.17e-03	-0.09	-0.05	0.0	0.0	-4.25e-06
487	88	-1.05e-03	-0.12	-0.04	0.0	0.0	-3.61e-06
487	98	-9.28e-04	-0.03	-0.04	0.0	0.0	-3.44e-06
487	103	-9.34e-04	-0.02	-0.04	0.0	0.0	-3.21e-06
487	105	-8.90e-04	-0.05	-0.04	0.0	0.0	-3.23e-06
487	107	-8.76e-04	-0.03	-0.04	0.0	0.0	-3.23e-06
487	115	-0.74	-0.03	-0.03	0.0	-1.41e-03	8.91e-05
487	124	-0.04	0.59	-0.05	0.0	-7.34e-05	-1.32e-06
487	129	0.41	-0.77	-0.03	0.0	7.84e-04	-5.38e-05
487	147	-0.84	-0.03	-0.03	0.0	-1.59e-03	1.01e-04
487	156	-0.04	0.67	-0.05	0.0	-8.31e-05	0.0
487	161	0.46	-0.87	-0.03	0.0	8.85e-04	-6.04e-05
487	179	-0.84	-0.03	-0.03	0.0	-1.59e-03	1.00e-04
487	188	-0.05	0.66	-0.05	0.0	-8.49e-05	0.0
487	193	0.47	-0.86	-0.03	0.0	8.99e-04	-6.15e-05
487	211	-0.99	-0.03	-0.03	0.0	-1.87e-03	1.19e-04
487	220	-0.05	0.78	-0.05	0.0	-1.01e-04	0.0
487	225	0.56	-1.00	-0.03	0.0	1.07e-03	-7.31e-05
488	1	0.0	0.0	0.0	0.0	-1.51e-06	0.0
488	65	0.0	0.0	0.0	0.0	-1.07e-06	0.0
488	97	0.0	0.0	0.0	0.0	0.0	0.0
488	106	0.0	0.0	0.0	0.0	0.0	0.0
488	108	0.0	0.0	0.0	0.0	1.13e-03	-5.22e-06
488	140	0.0	0.0	0.0	0.0	1.28e-03	-5.79e-06
488	172	0.0	0.0	0.0	0.0	1.28e-03	-5.76e-06
488	204	0.0	0.0	0.0	0.0	1.51e-03	-6.65e-06
489	18	-1.50e-03	0.16	-0.10	0.0	2.78e-06	-5.59e-06
489	28	-7.70e-04	-0.26	-0.12	0.0	4.33e-06	-6.82e-06
489	44	-7.56e-04	-0.34	-0.10	0.0	3.62e-06	-5.68e-06
489	75	-1.03e-03	0.10	-0.07	0.0	1.96e-06	-3.88e-06
489	80	-5.41e-04	-0.17	-0.08	0.0	2.99e-06	-4.70e-06
489	88	-5.32e-04	-0.23	-0.07	0.0	2.52e-06	-3.94e-06
489	98	-4.02e-04	-0.06	-0.07	0.0	2.44e-06	-3.83e-06
489	103	-5.05e-04	-0.02	-0.06	0.0	2.17e-06	-3.56e-06
489	105	-4.06e-04	-0.09	-0.06	0.0	2.28e-06	-3.57e-06
489	107	-3.85e-04	-0.06	-0.06	0.0	2.29e-06	-3.59e-06
489	115	-1.48	-0.06	-0.05	0.0	-1.40e-03	1.60e-04
489	124	-0.08	1.20	-0.08	0.0	-7.15e-05	0.0
489	129	0.82	-1.55	-0.05	0.0	7.83e-04	-9.42e-05
489	147	-1.67	-0.06	-0.05	0.0	-1.58e-03	1.81e-04
489	156	-0.09	1.36	-0.08	0.0	-8.12e-05	0.0
489	161	0.93	-1.74	-0.05	0.0	8.84e-04	-1.06e-04
489	179	-1.68	-0.05	-0.05	0.0	-1.58e-03	1.80e-04
489	188	-0.09	1.34	-0.08	0.0	-8.30e-05	1.75e-06
489	193	0.95	-1.72	-0.05	0.0	8.97e-04	-1.08e-04
489	211	-1.97	-0.04	-0.05	0.0	-1.86e-03	2.12e-04
489	220	-0.11	1.57	-0.09	0.0	-9.90e-05	3.51e-06
489	225	1.13	-2.01	-0.05	0.0	1.07e-03	-1.28e-04
490	28	3.16e-03	-0.36	-0.16	0.0	7.46e-06	-3.08e-06
490	44	2.57e-03	-0.49	-0.13	0.0	6.31e-06	-2.39e-06
490	52	3.27e-03	-0.13	-0.16	0.0	7.49e-06	-3.26e-06
490	80	2.18e-03	-0.24	-0.11	0.0	5.16e-06	-2.11e-06
490	88	1.78e-03	-0.33	-0.09	0.0	4.39e-06	-1.64e-06
490	92	2.25e-03	-0.09	-0.11	0.0	5.18e-06	-2.23e-06
490	98	1.80e-03	-0.08	-0.09	0.0	4.20e-06	-1.78e-06
490	105	1.66e-03	-0.12	-0.09	0.0	3.95e-06	-1.61e-06
490	107	1.69e-03	-0.07	-0.08	0.0	3.95e-06	-1.65e-06
490	108	1.79	-0.04	-0.11	0.0	1.10e-03	-1.76e-04
490	112	2.22	-0.07	-0.10	0.0	1.37e-03	-2.15e-04
490	129	1.24	-2.32	-0.07	0.0	7.64e-04	-1.23e-04
490	140	2.02	-0.03	-0.11	0.0	1.24e-03	-1.98e-04
490	144	2.51	-0.07	-0.11	0.0	1.54e-03	-2.42e-04
490	161	1.40	-2.60	-0.07	0.0	8.62e-04	-1.39e-04
490	172	2.02	-0.04	-0.11	0.0	1.24e-03	-1.95e-04
490	176	2.51	-0.08	-0.11	0.0	1.54e-03	-2.41e-04
490	193	1.42	-2.58	-0.07	0.0	8.76e-04	-1.41e-04
490	204	2.37	-0.03	-0.11	0.0	1.46e-03	-2.28e-04
490	208	2.95	-0.09	-0.11	0.0	1.82e-03	-2.82e-04
490	225	1.69	-3.00	-0.07	0.0	1.04e-03	-1.68e-04
491	28	8.16e-03	-0.44	-0.20	0.0	6.88e-06	7.16e-06
491	44	6.81e-03	-0.62	-0.17	0.0	5.83e-06	6.46e-06

491	52	8.27e-03	-0.14	-0.20	0.0	6.92e-06	6.83e-06
491	80	5.64e-03	-0.30	-0.14	0.0	4.77e-06	4.98e-06
491	88	4.74e-03	-0.42	-0.12	0.0	4.07e-06	4.52e-06
491	92	5.71e-03	-0.09	-0.14	0.0	4.80e-06	4.76e-06
491	98	4.62e-03	-0.08	-0.11	0.0	3.92e-06	3.88e-06
491	105	4.31e-03	-0.14	-0.11	0.0	3.68e-06	3.75e-06
491	107	4.34e-03	-0.07	-0.11	0.0	3.69e-06	3.68e-06
491	108	2.35	-0.03	-0.13	0.0	1.05e-03	-1.85e-04
491	112	2.93	-0.07	-0.13	0.0	1.31e-03	-2.32e-04
491	129	1.63	-3.07	-0.09	0.0	7.29e-04	-1.37e-04
491	140	2.65	-0.02	-0.14	0.0	1.18e-03	-2.09e-04
491	144	3.30	-0.07	-0.13	0.0	1.47e-03	-2.62e-04
491	161	1.84	-3.44	-0.09	0.0	8.23e-04	-1.55e-04
491	172	2.65	-0.03	-0.14	0.0	1.18e-03	-2.05e-04
491	176	3.30	-0.08	-0.13	0.0	1.47e-03	-2.58e-04
491	193	1.87	-3.41	-0.09	0.0	8.36e-04	-1.56e-04
491	204	3.12	-0.02	-0.14	0.0	1.39e-03	-2.40e-04
491	208	3.88	-0.10	-0.14	0.0	1.73e-03	-3.02e-04
491	225	2.22	-3.98	-0.09	0.0	9.94e-04	-1.87e-04
492	4	-6.78e-03	0.02	-0.08	-4.96e-05	0.0	-3.21e-05
492	28	-6.67e-03	-0.13	-0.09	2.36e-04	0.0	-3.07e-05
492	44	-5.74e-03	-0.17	-0.08	3.19e-04	0.0	-2.60e-05
492	68	-4.69e-03	9.17e-03	-0.06	-3.02e-05	0.0	-2.23e-05
492	80	-4.62e-03	-0.09	-0.06	1.60e-04	0.0	-2.15e-05
492	88	-3.99e-03	-0.12	-0.06	2.16e-04	0.0	-1.83e-05
492	98	-3.71e-03	-0.03	-0.05	5.29e-05	0.0	-1.79e-05
492	105	-3.51e-03	-0.05	-0.05	8.20e-05	0.0	-1.68e-05
492	107	-3.49e-03	-0.03	-0.05	5.01e-05	0.0	-1.70e-05
492	115	-0.70	-0.03	-0.03	5.04e-05	0.0	3.72e-05
492	129	0.38	-0.77	-0.07	1.47e-03	0.0	-1.07e-05
492	133	-0.05	-0.73	-0.08	1.40e-03	0.0	-5.73e-06
492	147	-0.78	-0.03	-0.03	4.95e-05	0.0	4.41e-05
492	161	0.43	-0.87	-0.08	1.65e-03	0.0	-1.00e-05
492	165	-0.05	-0.82	-0.09	1.57e-03	0.0	-4.31e-06
492	179	-0.79	-0.03	-0.03	4.43e-05	0.0	4.37e-05
492	193	0.44	-0.86	-0.08	1.64e-03	0.0	-1.12e-05
492	197	-0.05	-0.81	-0.09	1.54e-03	0.0	-4.39e-06
492	211	-0.92	-0.03	-0.03	3.83e-05	0.0	5.43e-05
492	225	0.52	-1.00	-0.08	1.91e-03	0.0	-1.08e-05
492	229	-0.06	-0.93	-0.09	1.78e-03	0.0	-1.92e-06
493	1	0.0	0.0	0.0	-9.09e-05	0.0	-1.92e-06
493	65	0.0	0.0	0.0	-5.75e-05	0.0	-1.39e-06
493	97	0.0	0.0	0.0	3.69e-05	0.0	-1.34e-06
493	106	0.0	0.0	0.0	3.69e-05	0.0	-1.34e-06
493	108	0.0	0.0	0.0	3.31e-05	0.0	-5.19e-06
493	140	0.0	0.0	0.0	3.09e-05	0.0	-5.59e-06
493	172	0.0	0.0	0.0	3.29e-05	0.0	-5.56e-06
493	204	0.0	0.0	0.0	3.20e-05	0.0	-6.17e-06
494	4	-6.63e-03	0.05	-0.15	-7.81e-05	0.0	-5.74e-05
494	28	-6.25e-03	-0.25	-0.16	2.10e-04	0.0	-5.66e-05
494	44	-5.36e-03	-0.34	-0.14	2.98e-04	0.0	-4.85e-05
494	68	-4.58e-03	0.03	-0.10	-5.01e-05	0.0	-4.00e-05
494	80	-4.32e-03	-0.17	-0.11	1.42e-04	0.0	-3.95e-05
494	88	-3.73e-03	-0.23	-0.10	2.01e-04	0.0	-3.41e-05
494	98	-3.46e-03	-0.06	-0.09	3.74e-05	0.0	-3.26e-05
494	105	-3.27e-03	-0.09	-0.08	6.77e-05	0.0	-3.08e-05
494	107	-3.26e-03	-0.06	-0.08	3.54e-05	0.0	-3.09e-05
494	115	-1.41	-0.06	-0.05	3.53e-05	0.0	7.99e-05
494	129	0.78	-1.55	-0.12	1.47e-03	0.0	-2.13e-05
494	133	-0.09	-1.47	-0.14	1.39e-03	0.0	-1.31e-05
494	147	-1.59	-0.06	-0.05	3.44e-05	0.0	9.39e-05
494	161	0.88	-1.74	-0.13	1.64e-03	0.0	-2.03e-05
494	165	-0.10	-1.65	-0.15	1.56e-03	0.0	-1.08e-05
494	177	1.27	-0.92	-0.15	8.63e-04	0.0	-1.23e-04
494	179	-1.59	-0.05	-0.05	2.91e-05	0.0	9.33e-05
494	193	0.89	-1.72	-0.13	1.63e-03	0.0	-2.22e-05
494	209	1.49	-1.06	-0.16	1.00e-03	0.0	-1.39e-04
494	211	-1.87	-0.04	-0.04	2.29e-05	0.0	1.15e-04
494	225	1.06	-2.01	-0.14	1.90e-03	0.0	-2.16e-05
495	18	-1.59e-03	0.26	-0.17	-2.18e-04	0.0	-6.33e-05
495	28	-3.92e-04	-0.36	-0.23	1.70e-04	0.0	-7.51e-05
495	44	-3.39e-04	-0.49	-0.20	2.63e-04	0.0	-6.54e-05
495	75	-1.07e-03	0.17	-0.12	-1.45e-04	0.0	-4.45e-05
495	80	-2.69e-04	-0.24	-0.16	1.14e-04	0.0	-5.24e-05
495	88	-2.34e-04	-0.33	-0.14	1.76e-04	0.0	-4.59e-05

495	98	-2.06e-04	-0.07	-0.13	1.41e-05	0.0	-4.26e-05
495	103	-3.64e-04	-0.02	-0.12	-1.86e-05	0.0	-4.02e-05
495	105	-1.96e-04	-0.12	-0.12	4.56e-05	0.0	-4.05e-05
495	107	-1.91e-04	-0.07	-0.12	1.34e-05	0.0	-4.04e-05
495	113	1.70	-1.24	-0.20	7.56e-04	0.0	-1.70e-04
495	115	-2.13	-0.07	-0.07	1.30e-05	0.0	1.27e-04
495	129	1.18	-2.32	-0.16	1.44e-03	0.0	-2.95e-05
495	145	1.92	-1.39	-0.21	8.49e-04	0.0	-1.86e-04
495	147	-2.40	-0.07	-0.06	1.21e-05	0.0	1.48e-04
495	161	1.34	-2.60	-0.17	1.62e-03	0.0	-2.83e-05
495	177	1.92	-1.37	-0.21	8.38e-04	0.0	-1.85e-04
495	179	-2.40	-0.06	-0.06	6.76e-06	0.0	1.47e-04
495	193	1.36	-2.58	-0.17	1.60e-03	0.0	-3.01e-05
495	209	2.25	-1.59	-0.22	9.75e-04	0.0	-2.10e-04
495	211	-2.82	-0.05	-0.05	0.0	0.0	1.79e-04
495	225	1.61	-3.00	-0.18	1.87e-03	0.0	-2.93e-05
496	28	0.02	-0.44	-0.30	1.16e-04	0.0	-8.19e-05
496	44	0.01	-0.62	-0.26	2.16e-04	0.0	-7.21e-05
496	80	0.01	-0.30	-0.21	7.66e-05	0.0	-5.71e-05
496	88	9.20e-03	-0.42	-0.18	1.43e-04	0.0	-5.06e-05
496	98	8.59e-03	-0.08	-0.17	-1.57e-05	0.0	-4.59e-05
496	105	8.10e-03	-0.14	-0.16	1.70e-05	0.0	-4.39e-05
496	107	8.07e-03	-0.07	-0.16	-1.49e-05	0.0	-4.35e-05
496	112	2.88	-0.07	-0.23	-1.43e-05	0.0	-2.67e-04
496	113	2.31	-1.63	-0.26	7.18e-04	0.0	-2.21e-04
496	129	1.61	-3.06	-0.21	1.39e-03	0.0	-2.93e-05
496	144	3.24	-0.07	-0.24	-1.33e-05	0.0	-2.96e-04
496	145	2.60	-1.83	-0.27	8.10e-04	0.0	-2.43e-04
496	161	1.81	-3.44	-0.21	1.57e-03	0.0	-2.75e-05
496	176	3.24	-0.08	-0.24	-8.12e-06	0.0	-2.94e-04
496	177	2.60	-1.80	-0.27	7.99e-04	0.0	-2.42e-04
496	193	1.84	-3.41	-0.21	1.55e-03	0.0	-2.88e-05
496	208	3.81	-0.10	-0.25	-1.92e-06	0.0	-3.38e-04
496	209	3.05	-2.09	-0.29	9.35e-04	0.0	-2.76e-04
496	225	2.19	-3.98	-0.22	1.82e-03	0.0	-2.72e-05
497	4	4.05e-03	0.22	-1.09	0.0	1.73e-06	0.0
497	44	2.67e-03	-0.73	-0.92	0.0	1.21e-06	0.0
497	52	6.03e-03	-0.14	-1.08	0.0	2.52e-06	0.0
497	68	2.66e-03	0.14	-0.76	0.0	1.15e-06	0.0
497	88	1.74e-03	-0.49	-0.64	0.0	0.0	0.0
497	92	3.98e-03	-0.10	-0.76	0.0	1.67e-06	0.0
497	98	3.00e-03	-0.08	-0.62	0.0	1.27e-06	0.0
497	105	2.43e-03	-0.16	-0.58	0.0	1.05e-06	0.0
497	107	2.69e-03	-0.08	-0.59	0.0	1.15e-06	0.0
497	112	4.48	-0.08	-0.72	0.0	1.71e-03	-3.65e-04
497	129	2.49	-3.68	-0.55	0.0	9.56e-04	-2.15e-04
497	144	5.05	-0.08	-0.73	0.0	1.93e-03	-4.11e-04
497	161	2.82	-4.13	-0.55	0.0	1.08e-03	-2.43e-04
497	176	5.08	-0.09	-0.73	0.0	1.94e-03	-4.13e-04
497	193	2.89	-4.10	-0.55	0.0	1.11e-03	-2.49e-04
497	208	5.99	-0.11	-0.75	0.0	2.29e-03	-4.86e-04
497	225	3.45	-4.78	-0.55	0.0	1.32e-03	-2.99e-04
498	28	5.12e-03	-0.51	-0.77	0.0	1.79e-06	0.0
498	44	3.08e-03	-0.73	-0.67	0.0	1.01e-06	0.0
498	52	6.14e-03	-0.14	-0.76	0.0	2.19e-06	0.0
498	80	3.40e-03	-0.34	-0.54	0.0	1.18e-06	0.0
498	88	2.04e-03	-0.49	-0.47	0.0	0.0	0.0
498	92	4.08e-03	-0.10	-0.53	0.0	1.45e-06	0.0
498	98	3.12e-03	-0.08	-0.44	0.0	1.10e-06	0.0
498	105	2.59e-03	-0.16	-0.41	0.0	0.0	0.0
498	107	2.81e-03	-0.08	-0.41	0.0	0.0	0.0
498	112	4.32	-0.08	-0.46	0.0	1.66e-03	-3.64e-04
498	129	2.40	-3.68	-0.58	0.0	9.26e-04	-2.15e-04
498	133	-0.20	-3.49	-0.61	0.0	-7.75e-05	1.73e-05
498	144	4.87	-0.08	-0.47	0.0	1.87e-03	-4.11e-04
498	161	2.72	-4.13	-0.60	0.0	1.05e-03	-2.43e-04
498	165	-0.23	-3.91	-0.63	0.0	-8.85e-05	2.00e-05
498	176	4.90	-0.09	-0.47	0.0	1.88e-03	-4.12e-04
498	193	2.78	-4.10	-0.60	0.0	1.07e-03	-2.49e-04
498	197	-0.24	-3.84	-0.63	0.0	-9.42e-05	2.23e-05
498	208	5.77	-0.11	-0.48	0.0	2.21e-03	-4.86e-04
498	225	3.32	-4.77	-0.63	0.0	1.28e-03	-2.99e-04
498	229	-0.30	-4.45	-0.66	0.0	-1.15e-04	2.83e-05
499	28	5.80e-03	-0.54	-1.49	0.0	2.54e-06	0.0
499	44	3.23e-03	-0.81	-1.29	0.0	1.64e-06	0.0

499	52	7.16e-03	-0.11	-1.49	0.0	2.99e-06	0.0
499	80	3.82e-03	-0.36	-1.04	0.0	1.71e-06	0.0
499	88	2.11e-03	-0.54	-0.90	0.0	1.10e-06	0.0
499	92	4.73e-03	-0.08	-1.04	0.0	2.00e-06	0.0
499	98	3.58e-03	-0.06	-0.85	0.0	1.55e-06	0.0
499	105	2.90e-03	-0.16	-0.81	0.0	1.31e-06	0.0
499	107	3.21e-03	-0.06	-0.80	0.0	1.41e-06	0.0
499	112	5.22	-0.06	-0.91	0.0	1.69e-03	-4.24e-04
499	129	2.91	-4.26	-0.94	0.0	9.45e-04	-2.50e-04
499	133	-0.24	-4.03	-1.00	0.0	-7.60e-05	2.02e-05
499	144	5.88	-0.06	-0.92	0.0	1.91e-03	-4.78e-04
499	161	3.29	-4.78	-0.96	0.0	1.07e-03	-2.83e-04
499	165	-0.27	-4.53	-1.02	0.0	-8.69e-05	2.33e-05
499	176	5.92	-0.08	-0.92	0.0	1.92e-03	-4.80e-04
499	177	4.78	-2.49	-1.02	0.0	1.55e-03	-3.86e-04
499	193	3.36	-4.74	-0.96	0.0	1.09e-03	-2.91e-04
499	208	6.97	-0.10	-0.94	0.0	2.26e-03	-5.65e-04
499	209	5.63	-2.89	-1.05	0.0	1.82e-03	-4.54e-04
499	225	4.02	-5.53	-0.98	0.0	1.31e-03	-3.49e-04
500	28	5.92e-03	-0.53	-1.03	0.0	1.69e-06	0.0
500	44	3.54e-03	-0.80	-0.90	0.0	0.0	0.0
500	52	7.11e-03	-0.11	-1.01	0.0	2.10e-06	0.0
500	80	3.93e-03	-0.36	-0.72	0.0	1.11e-06	0.0
500	88	2.35e-03	-0.54	-0.63	0.0	0.0	0.0
500	92	4.72e-03	-0.07	-0.71	0.0	1.38e-06	0.0
500	98	3.60e-03	-0.06	-0.58	0.0	1.04e-06	0.0
500	105	2.99e-03	-0.15	-0.55	0.0	0.0	0.0
500	107	3.25e-03	-0.06	-0.55	0.0	0.0	0.0
500	112	5.03	-0.06	-0.61	0.0	1.65e-03	-4.26e-04
500	129	2.80	-4.25	-0.74	0.0	9.21e-04	-2.51e-04
500	133	-0.24	-4.03	-0.78	0.0	-7.69e-05	2.02e-05
500	144	5.67	-0.06	-0.61	0.0	1.86e-03	-4.80e-04
500	161	3.17	-4.78	-0.77	0.0	1.04e-03	-2.84e-04
500	165	-0.27	-4.52	-0.80	0.0	-8.78e-05	2.33e-05
500	176	5.70	-0.08	-0.61	0.0	1.87e-03	-4.82e-04
500	193	3.24	-4.74	-0.76	0.0	1.07e-03	-2.91e-04
500	197	-0.29	-4.44	-0.80	0.0	-9.35e-05	2.60e-05
500	208	6.72	-0.09	-0.63	0.0	2.20e-03	-5.68e-04
500	225	3.87	-5.53	-0.80	0.0	1.27e-03	-3.50e-04
500	229	-0.35	-5.15	-0.84	0.0	-1.14e-04	3.31e-05
501	28	7.33e-03	-0.49	-2.25	-8.07e-04	1.88e-04	-1.98e-06
501	43	4.19e-03	-0.81	-1.85	-6.61e-04	1.64e-04	-1.21e-06
501	52	8.88e-03	-8.25e-04	-2.22	-7.97e-04	1.89e-04	-2.34e-06
501	80	4.86e-03	-0.33	-1.57	-5.62e-04	1.37e-04	-1.34e-06
501	87	2.77e-03	-0.54	-1.30	-4.65e-04	1.21e-04	0.0
501	92	5.90e-03	-6.75e-04	-1.55	-5.55e-04	1.37e-04	-1.58e-06
501	98	4.49e-03	-8.42e-04	-1.27	-4.54e-04	1.21e-04	-1.23e-06
501	105	3.71e-03	-0.11	-1.21	-4.32e-04	1.18e-04	-1.05e-06
501	107	4.06e-03	-8.35e-04	-1.20	-4.30e-04	1.18e-04	-1.13e-06
501	112	5.94	2.37e-03	-1.32	-4.64e-04	1.46e-03	-4.54e-04
501	129	3.31	-4.77	-1.45	-5.50e-04	8.68e-04	-2.72e-04
501	133	-0.27	-4.52	-1.52	-5.69e-04	2.14e-05	2.24e-05
501	144	6.70	-1.07e-04	-1.33	-4.68e-04	1.63e-03	-5.12e-04
501	161	3.74	-5.37	-1.48	-5.65e-04	9.64e-04	-3.08e-04
501	165	-0.31	-5.08	-1.56	-5.87e-04	9.16e-06	2.60e-05
501	176	6.74	-0.02	-1.33	-4.69e-04	1.62e-03	-5.13e-04
501	193	3.83	-5.33	-1.48	-5.65e-04	9.68e-04	-3.15e-04
501	197	-0.33	-4.99	-1.55	-5.84e-04	9.38e-06	2.88e-05
501	208	7.94	-0.04	-1.36	-4.77e-04	1.88e-03	-6.04e-04
501	225	4.58	-6.23	-1.53	-5.88e-04	1.12e-03	-3.78e-04
501	229	-0.40	-5.79	-1.61	-6.09e-04	-9.10e-06	3.69e-05
502	28	6.53e-03	-0.49	-1.51	-9.66e-04	1.99e-04	0.0
502	43	3.73e-03	-0.81	-1.25	-7.95e-04	1.74e-04	0.0
502	52	7.90e-03	-6.72e-04	-1.48	-9.51e-04	1.99e-04	-1.03e-06
502	80	4.33e-03	-0.33	-1.05	-6.74e-04	1.45e-04	0.0
502	87	2.46e-03	-0.54	-0.88	-5.59e-04	1.28e-04	0.0
502	92	5.24e-03	-5.51e-04	-1.03	-6.63e-04	1.45e-04	0.0
502	98	3.98e-03	-7.04e-04	-0.84	-5.42e-04	1.28e-04	0.0
502	105	3.28e-03	-0.11	-0.81	-5.17e-04	1.25e-04	0.0
502	107	3.58e-03	-6.94e-04	-0.80	-5.14e-04	1.25e-04	0.0
502	112	5.75	2.30e-03	-0.86	-5.60e-04	1.50e-03	-4.73e-04
502	129	3.20	-4.77	-1.02	-6.45e-04	8.97e-04	-2.81e-04
502	133	-0.27	-4.52	-1.06	-6.73e-04	2.29e-05	2.26e-05
502	144	6.48	-1.94e-04	-0.87	-5.66e-04	1.68e-03	-5.33e-04
502	161	3.62	-5.37	-1.05	-6.62e-04	9.95e-04	-3.18e-04

502	165	-0.31	-5.08	-1.09	-6.93e-04	1.00e-05	2.61e-05
502	176	6.51	-0.02	-0.87	-5.67e-04	1.67e-03	-5.35e-04
502	193	3.70	-5.33	-1.04	-6.62e-04	9.97e-04	-3.26e-04
502	197	-0.33	-4.99	-1.08	-6.90e-04	1.06e-05	2.91e-05
502	208	7.67	-0.04	-0.89	-5.77e-04	1.93e-03	-6.30e-04
502	225	4.42	-6.22	-1.09	-6.88e-04	1.16e-03	-3.91e-04
502	229	-0.40	-5.79	-1.13	-7.18e-04	-8.62e-06	3.72e-05
503	28	5.42e-03	-0.50	-0.33	0.0	1.90e-06	0.0
503	44	3.57e-03	-0.73	-0.28	0.0	1.20e-06	1.01e-06
503	52	6.25e-03	-0.13	-0.32	0.0	2.23e-06	0.0
503	80	3.64e-03	-0.34	-0.23	0.0	1.27e-06	0.0
503	88	2.40e-03	-0.49	-0.20	0.0	0.0	0.0
503	92	4.19e-03	-0.09	-0.23	0.0	1.48e-06	0.0
503	98	3.25e-03	-0.08	-0.19	0.0	1.14e-06	0.0
503	105	2.77e-03	-0.15	-0.18	0.0	0.0	0.0
503	107	2.96e-03	-0.07	-0.18	0.0	1.03e-06	0.0
503	112	4.13	-0.07	-0.19	0.0	1.58e-03	-3.64e-04
503	129	2.30	-3.67	-0.22	0.0	8.82e-04	-2.14e-04
503	133	-0.20	-3.48	-0.23	0.0	-7.69e-05	1.73e-05
503	144	4.65	-0.07	-0.19	0.0	1.78e-03	-4.10e-04
503	161	2.59	-4.12	-0.22	0.0	9.97e-04	-2.42e-04
503	165	-0.23	-3.91	-0.23	0.0	-8.77e-05	2.00e-05
503	176	4.68	-0.09	-0.19	0.0	1.79e-03	-4.12e-04
503	193	2.65	-4.09	-0.22	0.0	1.02e-03	-2.49e-04
503	197	-0.24	-3.84	-0.23	0.0	-9.25e-05	2.23e-05
503	208	5.51	-0.10	-0.19	0.0	2.11e-03	-4.85e-04
503	225	3.17	-4.77	-0.23	0.0	1.22e-03	-2.98e-04
503	229	-0.29	-4.44	-0.24	0.0	-1.12e-04	2.82e-05
504	28	6.27e-03	-0.52	-0.43	0.0	1.95e-06	0.0
504	44	4.11e-03	-0.80	-0.37	0.0	1.24e-06	1.31e-06
504	52	7.25e-03	-0.10	-0.43	0.0	2.28e-06	0.0
504	80	4.21e-03	-0.35	-0.30	0.0	1.30e-06	0.0
504	88	2.76e-03	-0.53	-0.26	0.0	0.0	0.0
504	92	4.85e-03	-0.07	-0.30	0.0	1.52e-06	0.0
504	98	3.76e-03	-0.06	-0.24	0.0	1.17e-06	0.0
504	105	3.20e-03	-0.15	-0.23	0.0	0.0	0.0
504	107	3.42e-03	-0.05	-0.23	0.0	1.06e-06	0.0
504	112	4.81	-0.05	-0.24	0.0	1.57e-03	-4.31e-04
504	129	2.68	-4.25	-0.28	0.0	8.77e-04	-2.53e-04
504	133	-0.23	-4.02	-0.28	0.0	-7.62e-05	2.03e-05
504	144	5.42	-0.05	-0.25	0.0	1.77e-03	-4.86e-04
504	161	3.02	-4.77	-0.28	0.0	9.91e-04	-2.87e-04
504	165	-0.27	-4.52	-0.29	0.0	-8.69e-05	2.34e-05
504	176	5.45	-0.07	-0.25	0.0	1.78e-03	-4.88e-04
504	193	3.09	-4.73	-0.28	0.0	1.01e-03	-2.94e-04
504	197	-0.28	-4.44	-0.29	0.0	-9.18e-05	2.62e-05
504	208	6.42	-0.09	-0.25	0.0	2.10e-03	-5.75e-04
504	225	3.69	-5.52	-0.29	0.0	1.21e-03	-3.53e-04
504	229	-0.34	-5.14	-0.30	0.0	-1.11e-04	3.32e-05
505	28	7.12e-03	-0.49	-0.63	-7.65e-04	1.87e-04	1.61e-06
505	43	4.51e-03	-0.81	-0.53	-6.32e-04	1.63e-04	1.81e-06
505	52	8.23e-03	-3.45e-04	-0.63	-7.51e-04	1.88e-04	1.17e-06
505	80	4.77e-03	-0.32	-0.44	-5.34e-04	1.36e-04	1.18e-06
505	87	3.03e-03	-0.54	-0.37	-4.45e-04	1.20e-04	1.31e-06
505	92	5.51e-03	-3.03e-04	-0.43	-5.24e-04	1.36e-04	0.0
505	98	4.26e-03	-4.56e-04	-0.36	-4.28e-04	1.20e-04	0.0
505	105	3.63e-03	-0.11	-0.34	-4.09e-04	1.17e-04	0.0
505	107	3.88e-03	-4.47e-04	-0.34	-4.06e-04	1.18e-04	0.0
505	112	5.49	2.29e-03	-0.35	-4.41e-04	1.48e-03	-4.98e-04
505	129	3.05	-4.77	-0.39	-5.26e-04	8.82e-04	-2.92e-04
505	133	-0.27	-4.51	-0.39	-5.46e-04	1.09e-05	2.33e-05
505	144	6.19	-2.41e-04	-0.35	-4.45e-04	1.66e-03	-5.61e-04
505	161	3.45	-5.37	-0.39	-5.41e-04	9.79e-04	-3.30e-04
505	165	-0.30	-5.08	-0.40	-5.64e-04	-2.43e-06	2.68e-05
505	176	6.21	-0.02	-0.35	-4.46e-04	1.64e-03	-5.64e-04
505	193	3.53	-5.32	-0.39	-5.40e-04	9.80e-04	-3.39e-04
505	197	-0.32	-4.98	-0.40	-5.61e-04	-1.32e-06	3.01e-05
505	208	7.32	-0.04	-0.36	-4.54e-04	1.91e-03	-6.65e-04
505	225	4.21	-6.22	-0.40	-5.64e-04	1.14e-03	-4.08e-04
505	229	-0.39	-5.78	-0.41	-5.86e-04	-2.09e-05	3.81e-05
506	28	5.80e-03	-0.49	-0.18	0.0	2.37e-06	1.16e-06
506	44	4.10e-03	-0.72	-0.15	0.0	1.68e-06	1.41e-06
506	52	6.46e-03	-0.13	-0.18	0.0	2.63e-06	0.0
506	80	3.92e-03	-0.33	-0.13	0.0	1.60e-06	0.0
506	88	2.79e-03	-0.48	-0.11	0.0	1.14e-06	1.02e-06

506	92	4.36e-03	-0.09	-0.12	0.0	1.78e-06	0.0
506	98	3.42e-03	-0.07	-0.10	0.0	1.39e-06	0.0
506	105	3.00e-03	-0.15	-0.10	0.0	1.22e-06	0.0
506	107	3.15e-03	-0.07	-0.10	0.0	1.28e-06	0.0
506	112	3.96	-0.07	-0.10	0.0	1.50e-03	-3.62e-04
506	129	2.20	-3.67	-0.11	0.0	8.39e-04	-2.12e-04
506	133	-0.20	-3.48	-0.11	0.0	-7.59e-05	1.74e-05
506	144	4.46	-0.07	-0.10	0.0	1.70e-03	-4.08e-04
506	161	2.48	-4.12	-0.11	0.0	9.48e-04	-2.40e-04
506	165	-0.23	-3.90	-0.11	0.0	-8.64e-05	2.00e-05
506	176	4.48	-0.08	-0.10	0.0	1.70e-03	-4.10e-04
506	193	2.54	-4.09	-0.11	0.0	9.68e-04	-2.47e-04
506	197	-0.24	-3.83	-0.11	0.0	-9.06e-05	2.23e-05
506	208	5.27	-0.10	-0.10	0.0	2.00e-03	-4.83e-04
506	225	3.03	-4.76	-0.11	0.0	1.16e-03	-2.96e-04
506	229	-0.29	-4.44	-0.11	0.0	-1.09e-04	2.82e-05
507	28	6.92e-03	-0.51	-0.24	0.0	2.73e-06	1.59e-06
507	44	4.91e-03	-0.79	-0.20	0.0	1.99e-06	1.84e-06
507	52	7.69e-03	-0.09	-0.23	0.0	2.98e-06	1.21e-06
507	80	4.68e-03	-0.35	-0.16	0.0	1.85e-06	1.16e-06
507	88	3.34e-03	-0.53	-0.14	0.0	1.36e-06	1.33e-06
507	92	5.19e-03	-0.06	-0.16	0.0	2.02e-06	0.0
507	98	4.08e-03	-0.05	-0.13	0.0	1.59e-06	0.0
507	105	3.57e-03	-0.14	-0.13	0.0	1.41e-06	0.0
507	107	3.75e-03	-0.05	-0.13	0.0	1.46e-06	0.0
507	112	4.60	-0.05	-0.13	0.0	1.49e-03	-4.34e-04
507	129	2.56	-4.24	-0.14	0.0	8.33e-04	-2.54e-04
507	133	-0.23	-4.02	-0.14	0.0	-7.48e-05	2.05e-05
507	144	5.19	-0.05	-0.13	0.0	1.68e-03	-4.89e-04
507	161	2.89	-4.77	-0.14	0.0	9.41e-04	-2.88e-04
507	165	-0.26	-4.51	-0.14	0.0	-8.53e-05	2.36e-05
507	176	5.21	-0.06	-0.13	0.0	1.69e-03	-4.91e-04
507	193	2.95	-4.73	-0.14	0.0	9.61e-04	-2.95e-04
507	197	-0.28	-4.43	-0.14	0.0	-8.95e-05	2.63e-05
507	208	6.14	-0.08	-0.13	0.0	1.99e-03	-5.79e-04
507	225	3.52	-5.52	-0.14	0.0	1.15e-03	-3.55e-04
507	229	-0.33	-5.13	-0.14	0.0	-1.08e-04	3.34e-05
508	28	8.28e-03	-0.49	-0.34	-4.51e-04	1.77e-04	2.09e-06
508	43	5.70e-03	-0.81	-0.28	-3.74e-04	1.53e-04	2.18e-06
508	52	9.16e-03	-4.02e-04	-0.34	-4.40e-04	1.77e-04	1.65e-06
508	80	5.61e-03	-0.32	-0.24	-3.14e-04	1.28e-04	1.51e-06
508	87	3.89e-03	-0.54	-0.20	-2.63e-04	1.13e-04	1.57e-06
508	92	6.20e-03	-3.19e-04	-0.23	-3.07e-04	1.28e-04	1.22e-06
508	98	4.87e-03	-4.14e-04	-0.19	-2.51e-04	1.13e-04	1.09e-06
508	105	4.28e-03	-0.11	-0.18	-2.40e-04	1.10e-04	1.17e-06
508	107	4.48e-03	-3.93e-04	-0.18	-2.38e-04	1.10e-04	1.07e-06
508	112	5.24	1.98e-03	-0.19	-2.53e-04	1.46e-03	-5.06e-04
508	129	2.92	-4.77	-0.19	-3.16e-04	8.69e-04	-2.96e-04
508	133	-0.26	-4.51	-0.19	-3.24e-04	0.0	2.35e-05
508	144	5.91	-5.99e-04	-0.19	-2.55e-04	1.64e-03	-5.71e-04
508	161	3.30	-5.37	-0.19	-3.26e-04	9.66e-04	-3.35e-04
508	165	-0.30	-5.07	-0.19	-3.35e-04	-1.40e-05	2.70e-05
508	176	5.93	-0.02	-0.19	-2.56e-04	1.62e-03	-5.74e-04
508	193	3.37	-5.32	-0.19	-3.25e-04	9.64e-04	-3.44e-04
508	197	-0.31	-4.98	-0.19	-3.33e-04	-1.24e-05	3.03e-05
508	208	6.99	-0.04	-0.19	-2.59e-04	1.88e-03	-6.77e-04
508	225	4.02	-6.22	-0.20	-3.40e-04	1.12e-03	-4.13e-04
508	229	-0.38	-5.78	-0.20	-3.49e-04	-3.25e-05	3.83e-05
509	28	6.48e-03	-0.49	-0.14	0.0	2.99e-06	2.19e-06
509	44	4.90e-03	-0.72	-0.11	0.0	2.31e-06	2.29e-06
509	52	6.97e-03	-0.12	-0.14	0.0	3.18e-06	1.87e-06
509	80	4.42e-03	-0.33	-0.09	0.0	2.05e-06	1.57e-06
509	88	3.37e-03	-0.48	-0.08	0.0	1.59e-06	1.64e-06
509	92	4.75e-03	-0.09	-0.09	0.0	2.17e-06	1.35e-06
509	98	3.77e-03	-0.07	-0.08	0.0	1.73e-06	1.17e-06
509	105	3.39e-03	-0.15	-0.07	0.0	1.56e-06	1.22e-06
509	107	3.50e-03	-0.07	-0.07	0.0	1.61e-06	1.15e-06
509	112	3.79	-0.07	-0.08	0.0	1.43e-03	-3.56e-04
509	113	3.05	-1.94	-0.08	0.0	1.15e-03	-2.87e-04
509	129	2.10	-3.66	-0.08	0.0	7.95e-04	-2.08e-04
509	144	4.27	-0.07	-0.08	0.0	1.61e-03	-4.01e-04
509	145	3.44	-2.18	-0.08	0.0	1.29e-03	-3.24e-04
509	161	2.38	-4.12	-0.08	0.0	8.98e-04	-2.35e-04
509	176	4.28	-0.08	-0.08	0.0	1.61e-03	-4.02e-04
509	177	3.44	-2.15	-0.08	0.0	1.30e-03	-3.24e-04

509	193	2.42	-4.08	-0.08	0.0	9.16e-04	-2.41e-04
509	208	5.04	-0.10	-0.08	0.0	1.90e-03	-4.74e-04
509	209	4.05	-2.50	-0.08	0.0	1.52e-03	-3.80e-04
509	225	2.89	-4.76	-0.08	0.0	1.09e-03	-2.90e-04
510	28	7.88e-03	-0.51	-0.18	0.0	3.21e-06	2.46e-06
510	44	5.99e-03	-0.78	-0.15	0.0	2.48e-06	2.60e-06
510	52	8.45e-03	-0.08	-0.18	0.0	3.39e-06	2.08e-06
510	80	5.38e-03	-0.34	-0.12	0.0	2.19e-06	1.77e-06
510	88	4.12e-03	-0.52	-0.10	0.0	1.71e-06	1.86e-06
510	92	5.76e-03	-0.06	-0.12	0.0	2.32e-06	1.52e-06
510	98	4.58e-03	-0.05	-0.10	0.0	1.85e-06	1.33e-06
510	105	4.12e-03	-0.14	-0.10	0.0	1.67e-06	1.38e-06
510	107	4.25e-03	-0.04	-0.09	0.0	1.71e-06	1.30e-06
510	112	4.40	-0.04	-0.10	0.0	1.41e-03	-4.31e-04
510	113	3.54	-2.23	-0.10	0.0	1.13e-03	-3.49e-04
510	129	2.45	-4.23	-0.10	0.0	7.86e-04	-2.52e-04
510	144	4.96	-0.04	-0.10	0.0	1.59e-03	-4.87e-04
510	145	3.99	-2.50	-0.10	0.0	1.28e-03	-3.94e-04
510	161	2.76	-4.76	-0.10	0.0	8.88e-04	-2.85e-04
510	176	4.97	-0.06	-0.10	0.0	1.59e-03	-4.88e-04
510	177	4.00	-2.47	-0.10	0.0	1.28e-03	-3.94e-04
510	193	2.82	-4.72	-0.10	0.0	9.05e-04	-2.93e-04
510	208	5.86	-0.08	-0.10	0.0	1.87e-03	-5.76e-04
510	209	4.71	-2.87	-0.10	0.0	1.51e-03	-4.63e-04
510	225	3.36	-5.51	-0.10	0.0	1.08e-03	-3.52e-04
511	28	9.32e-03	-0.49	-0.26	-1.75e-04	1.66e-04	2.24e-06
511	43	6.80e-03	-0.81	-0.21	-1.48e-04	1.44e-04	2.33e-06
511	52	9.98e-03	-7.76e-04	-0.26	-1.68e-04	1.66e-04	1.80e-06
511	80	6.37e-03	-0.32	-0.18	-1.22e-04	1.20e-04	1.63e-06
511	87	4.69e-03	-0.54	-0.15	-1.04e-04	1.05e-04	1.69e-06
511	92	6.80e-03	-5.53e-04	-0.18	-1.17e-04	1.20e-04	1.33e-06
511	98	5.41e-03	-5.38e-04	-0.15	-9.56e-05	1.06e-04	1.20e-06
511	105	4.87e-03	-0.11	-0.14	-9.21e-05	1.03e-04	1.29e-06
511	107	5.02e-03	-4.94e-04	-0.14	-9.06e-05	1.03e-04	1.19e-06
511	112	5.00	1.42e-03	-0.13	-8.97e-05	1.45e-03	-5.09e-04
511	114	-4.02	2.48	-0.14	-6.56e-05	-9.56e-04	4.15e-04
511	129	2.78	-4.77	-0.13	-1.40e-04	8.57e-04	-2.97e-04
511	144	5.64	-1.21e-03	-0.13	-8.96e-05	1.62e-03	-5.74e-04
511	146	-4.53	2.79	-0.14	-6.26e-05	-1.09e-03	4.67e-04
511	161	3.14	-5.36	-0.13	-1.47e-04	9.53e-04	-3.36e-04
511	176	5.66	-0.02	-0.13	-8.93e-05	1.60e-03	-5.77e-04
511	178	-4.54	2.76	-0.14	-6.35e-05	-1.08e-03	4.68e-04
511	193	3.21	-5.32	-0.13	-1.46e-04	9.49e-04	-3.46e-04
511	208	6.66	-0.04	-0.13	-8.91e-05	1.86e-03	-6.81e-04
511	210	-5.34	3.21	-0.14	-5.91e-05	-1.28e-03	5.50e-04
511	225	3.82	-6.22	-0.13	-1.55e-04	1.10e-03	-4.15e-04
512	28	7.88e-03	-0.49	-0.15	0.0	3.81e-06	4.13e-06
512	44	6.33e-03	-0.71	-0.12	0.0	3.11e-06	3.96e-06
512	52	8.20e-03	-0.12	-0.15	0.0	3.93e-06	3.80e-06
512	80	5.42e-03	-0.33	-0.10	0.0	2.63e-06	2.92e-06
512	88	4.38e-03	-0.48	-0.09	0.0	2.16e-06	2.80e-06
512	92	5.64e-03	-0.08	-0.10	0.0	2.71e-06	2.69e-06
512	98	4.53e-03	-0.07	-0.09	0.0	2.20e-06	2.26e-06
512	105	4.16e-03	-0.15	-0.08	0.0	2.03e-06	2.25e-06
512	107	4.23e-03	-0.06	-0.08	0.0	2.06e-06	2.17e-06
512	108	2.92	-8.81e-03	-0.09	0.0	1.08e-03	-2.78e-04
512	112	3.63	-0.06	-0.09	0.0	1.34e-03	-3.43e-04
512	129	2.02	-3.66	-0.08	0.0	7.50e-04	-2.00e-04
512	140	3.29	-3.13e-03	-0.09	0.0	1.22e-03	-3.13e-04
512	144	4.09	-0.07	-0.09	0.0	1.51e-03	-3.87e-04
512	161	2.28	-4.11	-0.08	0.0	8.47e-04	-2.26e-04
512	172	3.30	-8.48e-03	-0.09	0.0	1.22e-03	-3.12e-04
512	176	4.10	-0.08	-0.09	0.0	1.52e-03	-3.87e-04
512	193	2.32	-4.08	-0.08	0.0	8.62e-04	-2.32e-04
512	204	3.88	-6.54e-03	-0.09	0.0	1.44e-03	-3.67e-04
512	208	4.82	-0.09	-0.09	0.0	1.79e-03	-4.56e-04
512	225	2.76	-4.76	-0.07	0.0	1.03e-03	-2.78e-04
513	4	8.12e-03	0.35	-0.19	0.0	2.88e-06	3.56e-06
513	44	7.58e-03	-0.77	-0.16	0.0	2.67e-06	3.67e-06
513	52	9.80e-03	-0.07	-0.19	0.0	3.42e-06	3.32e-06
513	68	5.62e-03	0.23	-0.13	0.0	2.00e-06	2.54e-06
513	88	5.26e-03	-0.52	-0.11	0.0	1.86e-06	2.61e-06
513	92	6.74e-03	-0.05	-0.13	0.0	2.36e-06	2.38e-06
513	98	5.43e-03	-0.04	-0.11	0.0	1.92e-06	2.04e-06
513	105	4.99e-03	-0.13	-0.10	0.0	1.77e-06	2.06e-06

513	107	5.07e-03	-0.04	-0.10	0.0	1.79e-06	1.97e-06
513	108	3.39	0.03	-0.11	0.0	1.06e-03	-3.48e-04
513	112	4.20	-0.04	-0.11	0.0	1.32e-03	-4.29e-04
513	129	2.34	-4.23	-0.10	0.0	7.35e-04	-2.50e-04
513	140	3.81	0.03	-0.11	0.0	1.20e-03	-3.92e-04
513	144	4.73	-0.04	-0.11	0.0	1.48e-03	-4.83e-04
513	161	2.64	-4.76	-0.10	0.0	8.30e-04	-2.83e-04
513	172	3.82	0.03	-0.11	0.0	1.20e-03	-3.92e-04
513	176	4.74	-0.06	-0.11	0.0	1.49e-03	-4.85e-04
513	193	2.69	-4.72	-0.10	0.0	8.45e-04	-2.90e-04
513	204	4.49	0.03	-0.12	0.0	1.41e-03	-4.61e-04
513	208	5.58	-0.07	-0.11	0.0	1.75e-03	-5.72e-04
513	225	3.20	-5.51	-0.10	0.0	1.01e-03	-3.49e-04
514	4	9.14e-03	0.48	-0.27	6.77e-05	1.56e-04	2.27e-06
514	43	8.14e-03	-0.81	-0.22	4.06e-05	1.34e-04	2.49e-06
514	52	0.01	-7.98e-04	-0.27	6.19e-05	1.55e-04	1.98e-06
514	68	6.32e-03	0.32	-0.18	4.72e-05	1.13e-04	1.67e-06
514	87	5.66e-03	-0.54	-0.15	2.91e-05	9.82e-05	1.81e-06
514	92	7.60e-03	-5.47e-04	-0.18	4.34e-05	1.12e-04	1.47e-06
514	98	6.13e-03	-4.81e-04	-0.15	3.54e-05	9.86e-05	1.33e-06
514	105	5.63e-03	-0.11	-0.14	3.25e-05	9.58e-05	1.42e-06
514	107	5.73e-03	-4.27e-04	-0.14	3.37e-05	9.59e-05	1.33e-06
514	108	3.84	0.07	-0.15	6.63e-05	1.15e-03	-4.15e-04
514	112	4.76	1.17e-03	-0.15	6.20e-05	1.15e-03	-5.11e-04
514	129	2.65	-4.77	-0.14	-2.06e-06	8.45e-04	-2.98e-04
514	140	4.32	0.08	-0.15	7.03e-05	1.28e-03	-4.68e-04
514	144	5.36	-1.51e-03	-0.15	6.55e-05	1.28e-03	-5.77e-04
514	161	2.99	-5.36	-0.14	-6.51e-06	9.40e-04	-3.38e-04
514	172	4.33	0.07	-0.15	6.91e-05	1.27e-03	-4.69e-04
514	176	5.38	-0.02	-0.15	6.43e-05	1.27e-03	-5.80e-04
514	193	3.05	-5.32	-0.14	-5.94e-06	9.35e-04	-3.47e-04
514	204	5.09	0.08	-0.16	7.47e-05	1.47e-03	-5.51e-04
514	208	6.33	-0.04	-0.15	6.91e-05	1.46e-03	-6.84e-04
514	225	3.63	-6.22	-0.14	-1.23e-05	1.08e-03	-4.17e-04
515	28	0.01	-0.48	-0.24	0.0	4.40e-06	6.73e-06
515	44	9.05e-03	-0.71	-0.20	0.0	3.70e-06	6.19e-06
515	52	0.01	-0.12	-0.24	0.0	4.46e-06	6.39e-06
515	80	7.47e-03	-0.32	-0.16	0.0	3.06e-06	4.72e-06
515	88	6.30e-03	-0.48	-0.14	0.0	2.60e-06	4.36e-06
515	92	7.56e-03	-0.08	-0.16	0.0	3.10e-06	4.49e-06
515	98	6.14e-03	-0.07	-0.14	0.0	2.55e-06	3.73e-06
515	105	5.74e-03	-0.14	-0.13	0.0	2.39e-06	3.64e-06
515	107	5.77e-03	-0.06	-0.13	0.0	2.40e-06	3.56e-06
515	108	2.80	-6.72e-03	-0.16	0.0	1.01e-03	-2.73e-04
515	112	3.48	-0.06	-0.16	0.0	1.25e-03	-3.38e-04
515	129	1.94	-3.66	-0.11	0.0	6.97e-04	-1.96e-04
515	140	3.16	-9.97e-04	-0.16	0.0	1.13e-03	-3.08e-04
515	144	3.92	-0.06	-0.16	0.0	1.41e-03	-3.81e-04
515	161	2.19	-4.11	-0.11	0.0	7.87e-04	-2.22e-04
515	172	3.16	-6.34e-03	-0.16	0.0	1.13e-03	-3.07e-04
515	176	3.93	-0.08	-0.16	0.0	1.41e-03	-3.81e-04
515	193	2.22	-4.08	-0.11	0.0	7.99e-04	-2.27e-04
515	204	3.71	-4.33e-03	-0.17	0.0	1.33e-03	-3.61e-04
515	208	4.62	-0.09	-0.16	0.0	1.66e-03	-4.49e-04
515	225	2.65	-4.76	-0.11	0.0	9.51e-04	-2.72e-04
516	4	0.01	0.35	-0.30	0.0	1.64e-06	4.68e-06
516	44	9.92e-03	-0.77	-0.25	0.0	1.69e-06	4.61e-06
516	52	0.01	-0.07	-0.30	0.0	2.11e-06	4.43e-06
516	68	7.28e-03	0.23	-0.21	0.0	1.16e-06	3.32e-06
516	88	6.92e-03	-0.52	-0.18	0.0	1.20e-06	3.28e-06
516	92	8.32e-03	-0.05	-0.21	0.0	1.47e-06	3.16e-06
516	98	6.77e-03	-0.04	-0.17	0.0	1.24e-06	2.68e-06
516	105	6.33e-03	-0.13	-0.16	0.0	1.15e-06	2.66e-06
516	107	6.37e-03	-0.04	-0.16	0.0	1.17e-06	2.58e-06
516	109	4.00	-2.28	-0.20	0.0	1.20e-03	-4.32e-04
516	112	4.01	-0.04	-0.19	0.0	1.21e-03	-4.33e-04
516	129	2.23	-4.23	-0.19	0.0	6.73e-04	-2.51e-04
516	141	4.50	-2.57	-0.20	0.0	1.36e-03	-4.88e-04
516	144	4.51	-0.04	-0.19	0.0	1.36e-03	-4.89e-04
516	161	2.52	-4.75	-0.19	0.0	7.60e-04	-2.84e-04
516	173	4.51	-2.54	-0.20	0.0	1.36e-03	-4.89e-04
516	176	4.52	-0.05	-0.19	0.0	1.36e-03	-4.91e-04
516	193	2.56	-4.72	-0.19	0.0	7.72e-04	-2.92e-04
516	205	5.31	-2.97	-0.21	0.0	1.60e-03	-5.77e-04
516	208	5.32	-0.07	-0.19	0.0	1.60e-03	-5.79e-04

516	225	3.05	-5.50	-0.19	0.0	9.19e-04	-3.51e-04
517	4	0.01	0.48	-0.37	2.76e-04	1.45e-04	2.83e-06
517	47	7.56e-03	-0.81	-0.25	1.65e-04	9.71e-05	2.35e-06
517	52	0.01	-4.09e-04	-0.37	2.70e-04	1.45e-04	2.51e-06
517	68	7.17e-03	0.32	-0.26	1.92e-04	1.05e-04	2.07e-06
517	87	6.59e-03	-0.54	-0.21	1.48e-04	9.09e-05	2.09e-06
517	92	8.34e-03	-2.54e-04	-0.26	1.88e-04	1.04e-04	1.85e-06
517	98	6.81e-03	-1.88e-04	-0.21	1.54e-04	9.13e-05	1.65e-06
517	105	6.36e-03	-0.11	-0.20	1.45e-04	8.86e-05	1.72e-06
517	106	3.98e-03	1.70e-04	-0.12	9.87e-05	7.31e-05	1.50e-06
517	107	6.40e-03	-1.37e-04	-0.20	1.46e-04	8.87e-05	1.63e-06
517	108	3.64	0.07	-0.24	1.99e-04	1.41e-03	-4.15e-04
517	112	4.52	1.21e-03	-0.24	1.92e-04	1.13e-03	-5.11e-04
517	129	2.52	-4.77	-0.18	1.11e-04	-1.05e-04	-2.98e-04
517	140	4.10	0.08	-0.24	2.05e-04	1.58e-03	-4.68e-04
517	144	5.09	-1.49e-03	-0.24	1.97e-04	1.26e-03	-5.76e-04
517	161	2.84	-5.37	-0.18	1.07e-04	-1.28e-04	-3.37e-04
517	172	4.10	0.07	-0.24	2.04e-04	1.56e-03	-4.68e-04
517	176	5.10	-0.02	-0.24	1.96e-04	1.25e-03	-5.79e-04
517	193	2.89	-5.32	-0.18	1.08e-04	-1.19e-04	-3.46e-04
517	204	4.82	0.08	-0.25	2.13e-04	1.81e-03	-5.51e-04
517	208	6.00	-0.04	-0.25	2.05e-04	1.44e-03	-6.83e-04
517	225	3.44	-6.22	-0.18	1.02e-04	-1.45e-04	-4.16e-04
518	28	0.02	-0.48	-0.37	6.62e-05	0.0	-5.93e-05
518	44	0.01	-0.71	-0.32	1.71e-04	0.0	-5.19e-05
518	80	0.01	-0.32	-0.26	4.18e-05	0.0	-4.14e-05
518	88	9.32e-03	-0.48	-0.23	1.11e-04	0.0	-3.64e-05
518	98	8.80e-03	-0.06	-0.21	-4.29e-05	0.0	-3.36e-05
518	105	8.31e-03	-0.14	-0.20	-9.23e-06	0.0	-3.20e-05
518	107	8.30e-03	-0.06	-0.20	-4.06e-05	0.0	-3.18e-05
518	109	3.33	-1.99	-0.31	7.01e-04	0.0	-3.00e-04
518	112	3.33	-0.06	-0.28	-4.00e-05	0.0	-3.01e-04
518	129	1.86	-3.66	-0.26	1.34e-03	0.0	-1.96e-04
518	141	3.75	-2.23	-0.32	7.95e-04	0.0	-3.34e-04
518	144	3.76	-0.06	-0.29	-3.91e-05	0.0	-3.35e-04
518	161	2.10	-4.11	-0.27	1.52e-03	0.0	-2.17e-04
518	173	3.75	-2.21	-0.32	7.87e-04	0.0	-3.33e-04
518	176	3.76	-0.08	-0.29	-3.39e-05	0.0	-3.34e-04
518	193	2.13	-4.08	-0.27	1.50e-03	0.0	-2.20e-04
518	205	4.41	-2.58	-0.34	9.27e-04	0.0	-3.85e-04
518	208	4.42	-0.09	-0.31	-2.78e-05	0.0	-3.86e-04
518	225	2.53	-4.76	-0.28	1.76e-03	0.0	-2.57e-04
519	4	0.01	0.36	-0.49	-2.51e-04	0.0	-3.29e-05
519	28	0.01	-0.49	-0.48	2.52e-05	0.0	-3.19e-05
519	44	0.01	-0.77	-0.42	1.33e-04	0.0	-2.70e-05
519	68	9.17e-03	0.24	-0.34	-1.71e-04	0.0	-2.30e-05
519	80	0.01	-0.33	-0.34	1.33e-05	0.0	-2.23e-05
519	88	8.75e-03	-0.51	-0.29	8.50e-05	0.0	-1.90e-05
519	98	8.29e-03	-0.04	-0.28	-6.49e-05	0.0	-1.88e-05
519	105	7.83e-03	-0.13	-0.26	-3.07e-05	0.0	-1.76e-05
519	107	7.83e-03	-0.04	-0.26	-6.15e-05	0.0	-1.78e-05
519	109	3.80	-2.28	-0.39	6.69e-04	0.0	-3.32e-04
519	112	3.81	-0.03	-0.36	-6.06e-05	0.0	-3.33e-04
519	129	2.12	-4.23	-0.35	1.30e-03	0.0	-2.08e-04
519	141	4.28	-2.56	-0.40	7.61e-04	0.0	-3.72e-04
519	144	4.29	-0.04	-0.37	-5.97e-05	0.0	-3.73e-04
519	161	2.40	-4.75	-0.37	1.47e-03	0.0	-2.33e-04
519	173	4.28	-2.54	-0.40	7.53e-04	0.0	-3.70e-04
519	176	4.29	-0.05	-0.37	-5.46e-05	0.0	-3.72e-04
519	193	2.43	-4.71	-0.36	1.46e-03	0.0	-2.36e-04
519	205	5.03	-2.96	-0.42	8.91e-04	0.0	-4.31e-04
519	208	5.04	-0.07	-0.39	-4.85e-05	0.0	-4.33e-04
519	225	2.89	-5.50	-0.38	1.71e-03	0.0	-2.79e-04
520	4	0.01	0.48	-0.67	4.38e-04	1.35e-04	1.46e-06
520	28	0.01	-0.48	-0.66	4.27e-04	1.34e-04	1.37e-06
520	47	9.04e-03	-0.81	-0.42	2.72e-04	8.97e-05	1.23e-06
520	68	8.55e-03	0.32	-0.47	3.05e-04	9.70e-05	1.05e-06
520	80	9.59e-03	-0.32	-0.46	2.97e-04	9.63e-05	0.0
520	87	7.91e-03	-0.54	-0.37	2.40e-04	8.36e-05	1.04e-06
520	98	7.91e-03	8.59e-04	-0.38	2.46e-04	8.40e-05	0.0
520	102	4.58e-03	0.11	-0.24	1.55e-04	6.66e-05	0.0
520	106	4.93e-03	9.34e-04	-0.23	1.54e-04	6.64e-05	0.0
520	107	7.48e-03	8.69e-04	-0.36	2.33e-04	8.15e-05	0.0
520	108	3.44	0.07	-0.50	2.75e-04	1.40e-03	-3.84e-04
520	112	4.28	2.25e-03	-0.48	2.70e-04	1.11e-03	-4.73e-04

520	130	-2.38	4.77	-0.43	2.55e-04	2.80e-04	2.76e-04
520	140	3.87	0.08	-0.52	2.80e-04	1.56e-03	-4.33e-04
520	144	4.83	-4.54e-04	-0.50	2.75e-04	1.24e-03	-5.33e-04
520	162	-2.68	5.37	-0.44	2.57e-04	3.05e-04	3.13e-04
520	172	3.87	0.08	-0.51	2.79e-04	1.54e-03	-4.34e-04
520	176	4.83	-0.02	-0.50	2.73e-04	1.23e-03	-5.36e-04
520	194	-2.72	5.33	-0.44	2.57e-04	2.96e-04	3.21e-04
520	204	4.55	0.08	-0.54	2.87e-04	1.79e-03	-5.10e-04
520	208	5.68	-0.04	-0.52	2.80e-04	1.42e-03	-6.32e-04
520	226	-3.23	6.23	-0.45	2.60e-04	3.23e-04	3.85e-04
521	4	5.67e-03	0.04	-0.07	0.0	1.08e-05	-1.11e-06
521	44	4.29e-03	-0.13	-0.05	0.0	8.22e-06	0.0
521	52	6.29e-03	-0.02	-0.06	0.0	1.20e-05	-1.14e-06
521	68	3.94e-03	0.03	-0.05	0.0	7.55e-06	0.0
521	88	3.03e-03	-0.09	-0.03	0.0	5.80e-06	0.0
521	92	4.36e-03	-0.02	-0.05	0.0	8.34e-06	0.0
521	98	3.57e-03	-0.01	-0.04	0.0	6.82e-06	0.0
521	105	3.22e-03	-0.03	-0.04	0.0	6.16e-06	0.0
521	107	3.36e-03	-0.01	-0.04	0.0	6.42e-06	0.0
521	112	1.27	-0.40	-0.06	0.0	2.42e-03	-6.46e-05
521	129	0.72	-0.86	0.01	0.0	1.37e-03	-4.09e-05
521	130	-0.72	0.83	-0.08	0.0	-1.36e-03	3.97e-05
521	144	1.44	-0.45	-0.07	0.0	2.72e-03	-7.27e-05
521	161	0.82	-0.96	0.02	0.0	1.55e-03	-4.62e-05
521	162	-0.81	0.94	-0.09	0.0	-1.54e-03	4.49e-05
521	176	1.45	-0.45	-0.06	0.0	2.74e-03	-7.27e-05
521	193	0.84	-0.97	0.02	0.0	1.59e-03	-4.71e-05
521	194	-0.83	0.94	-0.09	0.0	-1.58e-03	4.58e-05
521	216	1.74	-0.60	-0.03	0.0	3.30e-03	-9.84e-05
521	225	1.01	-1.14	0.03	0.0	1.91e-03	-5.63e-05
521	226	-1.00	1.11	-0.10	0.0	-1.90e-03	5.50e-05
522	1	0.0	0.0	0.0	0.0	4.36e-06	0.0
522	65	0.0	0.0	0.0	0.0	3.22e-06	0.0
522	97	0.0	0.0	0.0	0.0	4.01e-06	0.0
522	106	0.0	0.0	0.0	0.0	4.01e-06	0.0
522	108	0.0	0.0	0.0	0.0	1.98e-03	-3.21e-06
522	140	0.0	0.0	0.0	0.0	2.23e-03	-3.60e-06
522	172	0.0	0.0	0.0	0.0	2.24e-03	-3.59e-06
522	204	0.0	0.0	0.0	0.0	2.63e-03	-4.19e-06
523	4	0.01	0.09	-0.14	0.0	1.10e-05	-2.24e-06
523	44	8.62e-03	-0.26	-0.10	0.0	8.31e-06	-1.69e-06
523	52	0.01	-0.04	-0.13	0.0	1.21e-05	-2.29e-06
523	68	7.93e-03	0.06	-0.10	0.0	7.65e-06	-1.58e-06
523	88	6.08e-03	-0.17	-0.07	0.0	5.87e-06	-1.21e-06
523	92	8.75e-03	-0.03	-0.09	0.0	8.43e-06	-1.61e-06
523	98	7.16e-03	-0.03	-0.08	0.0	6.90e-06	-1.35e-06
523	105	6.46e-03	-0.05	-0.07	0.0	6.23e-06	-1.24e-06
523	107	6.74e-03	-0.02	-0.07	0.0	6.50e-06	-1.29e-06
523	112	2.54	-0.80	-0.13	0.0	2.40e-03	-1.31e-04
523	129	1.44	-1.74	0.03	0.0	1.36e-03	-8.28e-05
523	130	-1.43	1.69	-0.18	0.0	-1.34e-03	8.02e-05
523	144	2.86	-0.90	-0.14	0.0	2.70e-03	-1.48e-04
523	161	1.63	-1.96	0.04	0.0	1.53e-03	-9.34e-05
523	162	-1.61	1.91	-0.19	0.0	-1.52e-03	9.08e-05
523	176	2.88	-0.90	-0.14	0.0	2.72e-03	-1.47e-04
523	193	1.67	-1.96	0.04	0.0	1.58e-03	-9.52e-05
523	194	-1.66	1.92	-0.19	0.0	-1.57e-03	9.27e-05
523	216	3.47	-1.21	-0.05	0.0	3.27e-03	-1.99e-04
523	225	2.01	-2.31	0.06	0.0	1.89e-03	-1.14e-04
523	226	-1.99	2.26	-0.21	0.0	-1.88e-03	1.11e-04
524	4	0.02	0.14	-0.21	0.0	1.12e-05	-3.47e-06
524	44	0.01	-0.39	-0.15	0.0	8.45e-06	-2.59e-06
524	52	0.02	-0.06	-0.20	0.0	1.23e-05	-3.53e-06
524	68	0.01	0.09	-0.15	0.0	7.78e-06	-2.45e-06
524	88	9.19e-03	-0.26	-0.11	0.0	5.97e-06	-1.86e-06
524	92	0.01	-0.04	-0.14	0.0	8.55e-06	-2.49e-06
524	98	0.01	-0.04	-0.12	0.0	7.01e-06	-2.08e-06
524	105	9.76e-03	-0.08	-0.11	0.0	6.33e-06	-1.92e-06
524	107	0.01	-0.03	-0.11	0.0	6.61e-06	-1.99e-06
524	112	3.79	-1.21	-0.20	0.0	2.37e-03	-1.96e-04
524	129	2.15	-2.63	0.05	0.0	1.34e-03	-1.23e-04
524	130	-2.13	2.56	-0.27	0.0	-1.32e-03	1.19e-04
524	144	4.27	-1.36	-0.21	0.0	2.67e-03	-2.20e-04
524	161	2.43	-2.96	0.07	0.0	1.51e-03	-1.39e-04
524	162	-2.41	2.89	-0.29	0.0	-1.50e-03	1.35e-04

524	176	4.30	-1.36	-0.21	0.0	2.69e-03	-2.20e-04
524	193	2.50	-2.97	0.07	0.0	1.56e-03	-1.41e-04
524	194	-2.48	2.90	-0.29	0.0	-1.54e-03	1.37e-04
524	216	5.17	-1.82	-0.07	0.0	3.22e-03	-2.95e-04
524	225	2.99	-3.49	0.10	0.0	1.87e-03	-1.69e-04
524	226	-2.97	3.43	-0.32	0.0	-1.85e-03	1.65e-04
525	4	0.02	0.20	-0.29	0.0	1.13e-05	-4.88e-06
525	44	0.02	-0.52	-0.21	0.0	8.59e-06	-3.56e-06
525	52	0.03	-0.08	-0.27	0.0	1.25e-05	-4.91e-06
525	68	0.02	0.13	-0.20	0.0	7.91e-06	-3.44e-06
525	88	0.01	-0.35	-0.15	0.0	6.08e-06	-2.56e-06
525	92	0.02	-0.05	-0.19	0.0	8.68e-06	-3.46e-06
525	98	0.01	-0.04	-0.16	0.0	7.12e-06	-2.91e-06
525	105	0.01	-0.10	-0.15	0.0	6.44e-06	-2.68e-06
525	107	0.01	-0.04	-0.15	0.0	6.71e-06	-2.78e-06
525	112	5.03	-1.62	-0.28	0.0	2.34e-03	-2.61e-04
525	129	2.84	-3.52	0.07	0.0	1.31e-03	-1.62e-04
525	130	-2.82	3.44	-0.37	0.0	-1.30e-03	1.57e-04
525	144	5.66	-1.82	-0.30	0.0	2.63e-03	-2.93e-04
525	161	3.22	-3.97	0.09	0.0	1.49e-03	-1.83e-04
525	162	-3.19	3.88	-0.40	0.0	-1.47e-03	1.77e-04
525	176	5.71	-1.83	-0.29	0.0	2.65e-03	-2.93e-04
525	193	3.31	-3.98	0.09	0.0	1.53e-03	-1.87e-04
525	194	-3.28	3.90	-0.40	0.0	-1.52e-03	1.81e-04
525	216	6.85	-2.44	-0.10	0.0	3.16e-03	-3.88e-04
525	225	3.97	-4.68	0.13	0.0	1.83e-03	-2.23e-04
525	226	-3.94	4.60	-0.44	0.0	-1.82e-03	2.17e-04
526	4	5.01e-03	0.04	-0.05	0.0	9.58e-06	-1.09e-06
526	44	3.80e-03	-0.13	-0.04	0.0	7.26e-06	0.0
526	52	5.62e-03	-0.02	-0.05	0.0	1.07e-05	-1.12e-06
526	68	3.48e-03	0.03	-0.04	0.0	6.66e-06	0.0
526	88	2.67e-03	-0.09	-0.03	0.0	5.11e-06	0.0
526	92	3.89e-03	-0.02	-0.04	0.0	7.42e-06	0.0
526	98	3.17e-03	-0.01	-0.03	0.0	6.06e-06	0.0
526	105	2.85e-03	-0.03	-0.03	0.0	5.45e-06	0.0
526	107	2.98e-03	-0.01	-0.03	0.0	5.70e-06	0.0
526	112	1.24	-0.40	-0.02	0.0	2.35e-03	-6.46e-05
526	129	0.70	-0.86	8.76e-04	0.0	1.33e-03	-4.09e-05
526	130	-0.69	0.83	-0.06	0.0	-1.32e-03	3.97e-05
526	144	1.40	-0.45	-0.02	0.0	2.65e-03	-7.27e-05
526	161	0.79	-0.97	4.63e-03	0.0	1.50e-03	-4.62e-05
526	162	-0.79	0.94	-0.06	0.0	-1.49e-03	4.49e-05
526	176	1.41	-0.45	-0.02	0.0	2.66e-03	-7.27e-05
526	193	0.81	-0.97	4.32e-03	0.0	1.54e-03	-4.71e-05
526	194	-0.81	0.95	-0.06	0.0	-1.53e-03	4.59e-05
526	216	1.68	-0.60	-0.02	0.0	3.19e-03	-9.84e-05
526	225	0.98	-1.14	9.97e-03	0.0	1.85e-03	-5.63e-05
526	226	-0.97	1.12	-0.07	0.0	-1.84e-03	5.50e-05
527	1	0.0	0.0	0.0	0.0	3.70e-06	0.0
527	65	0.0	0.0	0.0	0.0	2.74e-06	0.0
527	97	0.0	0.0	0.0	0.0	3.51e-06	0.0
527	106	0.0	0.0	0.0	0.0	3.51e-06	0.0
527	108	0.0	0.0	0.0	0.0	1.92e-03	-3.25e-06
527	140	0.0	0.0	0.0	0.0	2.16e-03	-3.65e-06
527	172	0.0	0.0	0.0	0.0	2.17e-03	-3.63e-06
527	204	0.0	0.0	0.0	0.0	2.56e-03	-4.25e-06
528	4	0.01	0.09	-0.11	0.0	9.62e-06	-2.19e-06
528	44	7.61e-03	-0.26	-0.08	0.0	7.32e-06	-1.65e-06
528	52	0.01	-0.04	-0.10	0.0	1.08e-05	-2.24e-06
528	68	6.98e-03	0.06	-0.08	0.0	6.69e-06	-1.55e-06
528	88	5.36e-03	-0.17	-0.06	0.0	5.15e-06	-1.18e-06
528	92	7.79e-03	-0.03	-0.07	0.0	7.46e-06	-1.58e-06
528	98	6.36e-03	-0.02	-0.06	0.0	6.09e-06	-1.32e-06
528	105	5.72e-03	-0.05	-0.06	0.0	5.48e-06	-1.22e-06
528	107	5.98e-03	-0.02	-0.06	0.0	5.73e-06	-1.26e-06
528	112	2.47	-0.80	-0.09	0.0	2.33e-03	-1.31e-04
528	129	1.40	-1.74	-2.11e-04	0.0	1.31e-03	-8.28e-05
528	130	-1.38	1.69	-0.12	0.0	-1.30e-03	8.03e-05
528	144	2.78	-0.90	-0.10	0.0	2.62e-03	-1.48e-04
528	161	1.58	-1.96	7.04e-03	0.0	1.49e-03	-9.35e-05
528	162	-1.57	1.91	-0.12	0.0	-1.48e-03	9.10e-05
528	176	2.80	-0.90	-0.10	0.0	2.64e-03	-1.48e-04
528	193	1.62	-1.97	6.42e-03	0.0	1.53e-03	-9.53e-05
528	194	-1.61	1.92	-0.12	0.0	-1.52e-03	9.28e-05
528	216	3.36	-1.21	-0.04	0.0	3.16e-03	-1.99e-04

528	225	1.95	-2.31	0.02	0.0	1.83e-03	-1.14e-04
528	226	-1.93	2.27	-0.13	0.0	-1.82e-03	1.11e-04
529	4	0.02	0.15	-0.16	0.0	9.68e-06	-3.41e-06
529	44	0.01	-0.39	-0.13	0.0	7.40e-06	-2.53e-06
529	52	0.02	-0.06	-0.16	0.0	1.08e-05	-3.47e-06
529	68	0.01	0.10	-0.11	0.0	6.73e-06	-2.40e-06
529	88	8.08e-03	-0.26	-0.09	0.0	5.21e-06	-1.82e-06
529	92	0.01	-0.04	-0.11	0.0	7.51e-06	-2.44e-06
529	98	9.57e-03	-0.03	-0.09	0.0	6.13e-06	-2.04e-06
529	105	8.61e-03	-0.08	-0.09	0.0	5.53e-06	-1.88e-06
529	107	8.99e-03	-0.03	-0.09	0.0	5.77e-06	-1.95e-06
529	112	3.68	-1.21	-0.14	0.0	2.30e-03	-1.96e-04
529	129	2.08	-2.63	-3.51e-03	0.0	1.30e-03	-1.23e-04
529	130	-2.06	2.56	-0.17	0.0	-1.28e-03	1.19e-04
529	144	4.15	-1.36	-0.15	0.0	2.59e-03	-2.21e-04
529	161	2.35	-2.96	7.10e-03	0.0	1.47e-03	-1.39e-04
529	162	-2.34	2.89	-0.18	0.0	-1.45e-03	1.35e-04
529	176	4.18	-1.36	-0.14	0.0	2.61e-03	-2.21e-04
529	193	2.42	-2.97	6.16e-03	0.0	1.51e-03	-1.42e-04
529	194	-2.40	2.90	-0.18	0.0	-1.50e-03	1.38e-04
529	216	5.01	-1.82	-0.06	0.0	3.11e-03	-2.95e-04
529	225	2.90	-3.50	0.02	0.0	1.81e-03	-1.69e-04
529	226	-2.88	3.43	-0.20	0.0	-1.80e-03	1.65e-04
530	4	0.02	0.20	-0.23	0.0	9.70e-06	-4.75e-06
530	44	0.02	-0.52	-0.17	0.0	7.48e-06	-3.48e-06
530	52	0.02	-0.07	-0.22	0.0	1.09e-05	-4.80e-06
530	68	0.01	0.13	-0.16	0.0	6.75e-06	-3.34e-06
530	88	0.01	-0.35	-0.12	0.0	5.27e-06	-2.50e-06
530	92	0.02	-0.05	-0.15	0.0	7.54e-06	-3.38e-06
530	98	0.01	-0.04	-0.13	0.0	6.16e-06	-2.84e-06
530	105	0.01	-0.10	-0.12	0.0	5.56e-06	-2.61e-06
530	107	0.01	-0.04	-0.12	0.0	5.79e-06	-2.71e-06
530	112	4.88	-1.62	-0.19	0.0	2.27e-03	-2.61e-04
530	129	2.76	-3.52	-0.01	0.0	1.27e-03	-1.63e-04
530	130	-2.73	3.44	-0.23	0.0	-1.26e-03	1.57e-04
530	144	5.50	-1.82	-0.20	0.0	2.56e-03	-2.94e-04
530	161	3.12	-3.97	2.31e-03	0.0	1.44e-03	-1.83e-04
530	162	-3.09	3.88	-0.25	0.0	-1.43e-03	1.78e-04
530	176	5.54	-1.83	-0.19	0.0	2.58e-03	-2.94e-04
530	193	3.21	-3.98	1.07e-03	0.0	1.48e-03	-1.87e-04
530	194	-3.18	3.90	-0.25	0.0	-1.47e-03	1.82e-04
530	216	6.63	-2.44	-0.09	0.0	3.06e-03	-3.89e-04
530	225	3.84	-4.68	0.02	0.0	1.78e-03	-2.24e-04
530	226	-3.82	4.60	-0.27	0.0	-1.77e-03	2.18e-04
531	4	4.38e-03	0.04	-0.05	0.0	8.33e-06	-1.02e-06
531	44	3.32e-03	-0.13	-0.04	0.0	6.33e-06	0.0
531	52	4.97e-03	-0.02	-0.04	0.0	9.46e-06	-1.05e-06
531	68	3.04e-03	0.03	-0.03	0.0	5.78e-06	0.0
531	88	2.33e-03	-0.09	-0.03	0.0	4.45e-06	0.0
531	92	3.43e-03	-0.02	-0.03	0.0	6.53e-06	0.0
531	98	2.79e-03	-0.01	-0.03	0.0	5.31e-06	0.0
531	105	2.50e-03	-0.03	-0.02	0.0	4.76e-06	0.0
531	107	2.62e-03	-0.01	-0.02	0.0	4.98e-06	0.0
531	112	1.20	-0.40	-0.03	0.0	2.28e-03	-6.47e-05
531	129	0.68	-0.86	-0.01	0.0	1.29e-03	-4.10e-05
531	130	-0.67	0.84	-0.04	0.0	-1.28e-03	3.98e-05
531	144	1.35	-0.45	-0.03	0.0	2.57e-03	-7.29e-05
531	161	0.77	-0.97	-0.01	0.0	1.45e-03	-4.62e-05
531	162	-0.76	0.95	-0.04	0.0	-1.44e-03	4.51e-05
531	176	1.36	-0.45	-0.03	0.0	2.59e-03	-7.28e-05
531	193	0.79	-0.97	-0.01	0.0	1.49e-03	-4.72e-05
531	194	-0.78	0.95	-0.04	0.0	-1.48e-03	4.60e-05
531	216	1.63	-0.60	-0.02	0.0	3.08e-03	-9.86e-05
531	225	0.94	-1.15	-8.10e-03	0.0	1.79e-03	-5.64e-05
531	226	-0.94	1.12	-0.04	0.0	-1.78e-03	5.52e-05
532	1	0.0	0.0	0.0	0.0	3.07e-06	0.0
532	65	0.0	0.0	0.0	0.0	2.27e-06	0.0
532	97	0.0	0.0	0.0	0.0	3.02e-06	0.0
532	106	0.0	0.0	0.0	0.0	3.02e-06	0.0
532	108	0.0	0.0	0.0	0.0	1.86e-03	-3.25e-06
532	140	0.0	0.0	0.0	0.0	2.10e-03	-3.65e-06
532	172	0.0	0.0	0.0	0.0	2.11e-03	-3.63e-06
532	204	0.0	0.0	0.0	0.0	2.48e-03	-4.25e-06
533	4	8.75e-03	0.09	-0.09	0.0	8.31e-06	-2.06e-06
533	44	6.65e-03	-0.26	-0.07	0.0	6.35e-06	-1.53e-06

533	52	9.93e-03	-0.04	-0.09	0.0	9.45e-06	-2.11e-06
533	68	6.07e-03	0.06	-0.06	0.0	5.77e-06	-1.45e-06
533	88	4.67e-03	-0.17	-0.05	0.0	4.46e-06	-1.10e-06
533	92	6.86e-03	-0.03	-0.06	0.0	6.53e-06	-1.48e-06
533	98	5.58e-03	-0.02	-0.05	0.0	5.31e-06	-1.24e-06
533	105	5.00e-03	-0.05	-0.05	0.0	4.76e-06	-1.14e-06
533	107	5.23e-03	-0.02	-0.05	0.0	4.98e-06	-1.18e-06
533	112	2.40	-0.80	-0.07	0.0	2.26e-03	-1.32e-04
533	129	1.35	-1.74	-0.02	0.0	1.27e-03	-8.29e-05
533	130	-1.34	1.70	-0.08	0.0	-1.26e-03	8.06e-05
533	144	2.70	-0.90	-0.07	0.0	2.55e-03	-1.48e-04
533	161	1.53	-1.96	-0.02	0.0	1.44e-03	-9.36e-05
533	162	-1.52	1.92	-0.08	0.0	-1.43e-03	9.13e-05
533	176	2.72	-0.90	-0.07	0.0	2.56e-03	-1.48e-04
533	193	1.57	-1.97	-0.02	0.0	1.48e-03	-9.55e-05
533	194	-1.56	1.92	-0.08	0.0	-1.47e-03	9.31e-05
533	216	3.24	-1.21	-0.04	0.0	3.05e-03	-1.99e-04
533	225	1.88	-2.32	-0.02	0.0	1.77e-03	-1.14e-04
533	226	-1.87	2.27	-0.08	0.0	-1.76e-03	1.12e-04
534	4	0.01	0.15	-0.14	0.0	8.28e-06	-3.19e-06
534	44	9.98e-03	-0.39	-0.11	0.0	6.38e-06	-2.37e-06
534	52	0.01	-0.06	-0.13	0.0	9.43e-06	-3.26e-06
534	68	9.10e-03	0.10	-0.10	0.0	5.74e-06	-2.24e-06
534	88	7.01e-03	-0.26	-0.08	0.0	4.47e-06	-1.70e-06
534	92	0.01	-0.04	-0.09	0.0	6.51e-06	-2.29e-06
534	98	8.36e-03	-0.03	-0.08	0.0	5.29e-06	-1.91e-06
534	105	7.50e-03	-0.08	-0.07	0.0	4.76e-06	-1.76e-06
534	107	7.85e-03	-0.03	-0.08	0.0	4.97e-06	-1.82e-06
534	112	3.58	-1.21	-0.10	0.0	2.23e-03	-1.97e-04
534	129	2.02	-2.63	-0.04	0.0	1.26e-03	-1.23e-04
534	130	-2.00	2.57	-0.11	0.0	-1.25e-03	1.20e-04
534	144	4.03	-1.36	-0.10	0.0	2.51e-03	-2.22e-04
534	161	2.28	-2.96	-0.03	0.0	1.42e-03	-1.39e-04
534	162	-2.26	2.90	-0.12	0.0	-1.41e-03	1.36e-04
534	176	4.06	-1.36	-0.10	0.0	2.53e-03	-2.21e-04
534	193	2.34	-2.97	-0.03	0.0	1.46e-03	-1.42e-04
534	194	-2.33	2.91	-0.12	0.0	-1.45e-03	1.38e-04
534	216	4.84	-1.82	-0.06	0.0	3.01e-03	-2.96e-04
534	225	2.81	-3.50	-0.02	0.0	1.75e-03	-1.70e-04
534	226	-2.79	3.43	-0.13	0.0	-1.74e-03	1.66e-04
535	4	0.02	0.20	-0.19	0.0	8.23e-06	-4.39e-06
535	44	0.01	-0.52	-0.15	0.0	6.41e-06	-3.27e-06
535	52	0.02	-0.07	-0.19	0.0	9.42e-06	-4.48e-06
535	68	0.01	0.13	-0.13	0.0	5.71e-06	-3.09e-06
535	88	9.36e-03	-0.35	-0.11	0.0	4.50e-06	-2.34e-06
535	92	0.01	-0.05	-0.13	0.0	6.50e-06	-3.15e-06
535	98	0.01	-0.04	-0.11	0.0	5.28e-06	-2.64e-06
535	105	9.99e-03	-0.10	-0.10	0.0	4.75e-06	-2.42e-06
535	107	0.01	-0.04	-0.10	0.0	4.96e-06	-2.51e-06
535	112	4.74	-1.61	-0.14	0.0	2.20e-03	-2.62e-04
535	129	2.67	-3.52	-0.05	0.0	1.24e-03	-1.63e-04
535	130	-2.65	3.44	-0.16	0.0	-1.23e-03	1.58e-04
535	144	5.34	-1.82	-0.14	0.0	2.48e-03	-2.95e-04
535	161	3.02	-3.97	-0.05	0.0	1.40e-03	-1.84e-04
535	162	-3.00	3.89	-0.16	0.0	-1.39e-03	1.79e-04
535	176	5.38	-1.82	-0.14	0.0	2.50e-03	-2.95e-04
535	193	3.10	-3.98	-0.05	0.0	1.44e-03	-1.88e-04
535	194	-3.08	3.90	-0.16	0.0	-1.43e-03	1.83e-04
535	216	6.40	-2.44	-0.09	0.0	2.96e-03	-3.91e-04
535	225	3.72	-4.69	-0.04	0.0	1.72e-03	-2.24e-04
535	226	-3.70	4.60	-0.17	0.0	-1.71e-03	2.19e-04
536	4	3.80e-03	0.05	-0.04	0.0	7.20e-06	0.0
536	44	2.89e-03	-0.13	-0.03	0.0	5.49e-06	0.0
536	52	4.37e-03	-0.02	-0.04	0.0	8.29e-06	0.0
536	68	2.63e-03	0.03	-0.03	0.0	4.99e-06	0.0
536	88	2.03e-03	-0.09	-0.02	0.0	3.85e-06	0.0
536	92	3.01e-03	-0.01	-0.03	0.0	5.72e-06	0.0
536	98	2.44e-03	-0.01	-0.02	0.0	4.63e-06	0.0
536	105	2.18e-03	-0.03	-0.02	0.0	4.14e-06	0.0
536	107	2.29e-03	-0.01	-0.02	0.0	4.34e-06	0.0
536	112	1.17	-0.40	-0.02	0.0	2.21e-03	-6.51e-05
536	129	0.66	-0.87	-0.02	0.0	1.24e-03	-4.11e-05
536	130	-0.65	0.84	-0.03	0.0	-1.24e-03	4.00e-05
536	144	1.31	-0.45	-0.02	0.0	2.49e-03	-7.33e-05
536	161	0.74	-0.97	-0.02	0.0	1.41e-03	-4.64e-05

536	162	-0.74	0.95	-0.03	0.0	-1.40e-03	4.53e-05
536	176	1.32	-0.45	-0.02	0.0	2.51e-03	-7.32e-05
536	193	0.76	-0.98	-0.02	0.0	1.45e-03	-4.73e-05
536	194	-0.76	0.95	-0.03	0.0	-1.44e-03	4.63e-05
536	216	1.57	-0.60	-0.02	0.0	2.97e-03	-9.90e-05
536	225	0.91	-1.15	-0.02	0.0	1.73e-03	-5.66e-05
536	226	-0.91	1.13	-0.03	0.0	-1.72e-03	5.55e-05
537	1	0.0	0.0	0.0	0.0	2.50e-06	0.0
537	65	0.0	0.0	0.0	0.0	1.85e-06	0.0
537	97	0.0	0.0	0.0	0.0	2.58e-06	0.0
537	106	0.0	0.0	0.0	0.0	2.58e-06	0.0
537	108	0.0	0.0	0.0	0.0	1.81e-03	-3.26e-06
537	140	0.0	0.0	0.0	0.0	2.03e-03	-3.67e-06
537	172	0.0	0.0	0.0	0.0	2.04e-03	-3.65e-06
537	204	0.0	0.0	0.0	0.0	2.41e-03	-4.27e-06
538	4	7.57e-03	0.10	-0.08	0.0	7.13e-06	-1.82e-06
538	44	5.77e-03	-0.26	-0.07	0.0	5.46e-06	-1.34e-06
538	52	8.72e-03	-0.04	-0.08	0.0	8.23e-06	-1.88e-06
538	68	5.24e-03	0.06	-0.06	0.0	4.93e-06	-1.28e-06
538	88	4.04e-03	-0.17	-0.05	0.0	3.82e-06	0.0
538	92	6.01e-03	-0.03	-0.06	0.0	5.67e-06	-1.32e-06
538	98	4.87e-03	-0.02	-0.05	0.0	4.59e-06	-1.09e-06
538	105	4.35e-03	-0.05	-0.04	0.0	4.10e-06	0.0
538	107	4.56e-03	-0.02	-0.04	0.0	4.30e-06	-1.04e-06
538	112	2.32	-0.80	-0.04	0.0	2.19e-03	-1.32e-04
538	129	1.31	-1.74	-0.03	0.0	1.23e-03	-8.32e-05
538	130	-1.30	1.70	-0.06	0.0	-1.22e-03	8.11e-05
538	144	2.62	-0.90	-0.04	0.0	2.47e-03	-1.49e-04
538	161	1.48	-1.96	-0.03	0.0	1.39e-03	-9.39e-05
538	162	-1.47	1.92	-0.06	0.0	-1.38e-03	9.18e-05
538	176	2.64	-0.90	-0.04	0.0	2.49e-03	-1.49e-04
538	193	1.52	-1.97	-0.03	0.0	1.43e-03	-9.58e-05
538	194	-1.51	1.93	-0.06	0.0	-1.42e-03	9.37e-05
538	216	3.13	-1.21	-0.04	0.0	2.95e-03	-2.00e-04
538	225	1.82	-2.32	-0.03	0.0	1.72e-03	-1.15e-04
538	226	-1.81	2.27	-0.06	0.0	-1.71e-03	1.12e-04
539	4	0.01	0.15	-0.12	0.0	7.03e-06	-2.81e-06
539	44	8.62e-03	-0.39	-0.10	0.0	5.43e-06	-2.08e-06
539	52	0.01	-0.06	-0.12	0.0	8.16e-06	-2.90e-06
539	68	7.82e-03	0.10	-0.09	0.0	4.86e-06	-1.97e-06
539	88	6.04e-03	-0.26	-0.07	0.0	3.79e-06	-1.49e-06
539	92	8.97e-03	-0.04	-0.09	0.0	5.61e-06	-2.03e-06
539	98	7.27e-03	-0.03	-0.07	0.0	4.54e-06	-1.69e-06
539	105	6.49e-03	-0.08	-0.07	0.0	4.06e-06	-1.55e-06
539	107	6.80e-03	-0.03	-0.07	0.0	4.25e-06	-1.60e-06
539	112	3.47	-1.21	-0.06	0.0	2.16e-03	-1.98e-04
539	129	1.95	-2.63	-0.05	0.0	1.22e-03	-1.24e-04
539	130	-1.94	2.57	-0.08	0.0	-1.21e-03	1.21e-04
539	144	3.91	-1.36	-0.06	0.0	2.44e-03	-2.23e-04
539	161	2.21	-2.96	-0.05	0.0	1.37e-03	-1.40e-04
539	162	-2.19	2.90	-0.09	0.0	-1.37e-03	1.36e-04
539	176	3.94	-1.36	-0.06	0.0	2.46e-03	-2.23e-04
539	193	2.27	-2.97	-0.05	0.0	1.41e-03	-1.43e-04
539	194	-2.25	2.91	-0.09	0.0	-1.40e-03	1.39e-04
539	216	4.67	-1.82	-0.06	0.0	2.91e-03	-2.98e-04
539	225	2.72	-3.50	-0.05	0.0	1.69e-03	-1.70e-04
539	226	-2.70	3.44	-0.09	0.0	-1.68e-03	1.67e-04
540	4	0.01	0.20	-0.17	0.0	6.94e-06	-3.86e-06
540	44	0.01	-0.51	-0.14	0.0	5.41e-06	-2.90e-06
540	52	0.02	-0.07	-0.17	0.0	8.09e-06	-3.99e-06
540	68	0.01	0.13	-0.12	0.0	4.80e-06	-2.71e-06
540	88	8.02e-03	-0.35	-0.10	0.0	3.78e-06	-2.07e-06
540	92	0.01	-0.05	-0.12	0.0	5.57e-06	-2.80e-06
540	98	9.63e-03	-0.04	-0.10	0.0	4.50e-06	-2.33e-06
540	105	8.61e-03	-0.10	-0.09	0.0	4.02e-06	-2.14e-06
540	107	9.02e-03	-0.04	-0.09	0.0	4.21e-06	-2.22e-06
540	112	4.59	-1.61	-0.09	0.0	2.13e-03	-2.64e-04
540	129	2.58	-3.52	-0.07	0.0	1.20e-03	-1.64e-04
540	130	-2.57	3.45	-0.12	0.0	-1.19e-03	1.59e-04
540	144	5.18	-1.82	-0.09	0.0	2.40e-03	-2.97e-04
540	161	2.92	-3.97	-0.07	0.0	1.35e-03	-1.85e-04
540	162	-2.90	3.89	-0.12	0.0	-1.34e-03	1.81e-04
540	176	5.21	-1.82	-0.09	0.0	2.42e-03	-2.97e-04
540	193	3.00	-3.98	-0.07	0.0	1.39e-03	-1.89e-04
540	194	-2.99	3.90	-0.12	0.0	-1.38e-03	1.84e-04

540	216	6.18	-2.43	-0.09	0.0	2.86e-03	-3.93e-04
540	225	3.60	-4.69	-0.07	0.0	1.67e-03	-2.26e-04
540	226	-3.58	4.61	-0.12	0.0	-1.66e-03	2.21e-04
541	4	3.31e-03	0.05	-0.04	0.0	6.24e-06	0.0
541	44	2.54e-03	-0.13	-0.03	0.0	4.79e-06	0.0
541	52	3.86e-03	-0.02	-0.04	0.0	7.29e-06	0.0
541	68	2.29e-03	0.03	-0.03	0.0	4.31e-06	0.0
541	88	1.78e-03	-0.09	-0.02	0.0	3.35e-06	0.0
541	92	2.66e-03	-0.01	-0.03	0.0	5.02e-06	0.0
541	98	2.15e-03	-0.01	-0.02	0.0	4.05e-06	0.0
541	105	1.92e-03	-0.03	-0.02	0.0	3.61e-06	0.0
541	107	2.01e-03	-0.01	-0.02	0.0	3.79e-06	0.0
541	110	-1.12	0.76	-0.02	0.0	-2.13e-03	6.47e-05
541	112	1.13	-0.40	-0.02	0.0	2.14e-03	-6.56e-05
541	129	0.63	-0.87	-0.02	0.0	1.20e-03	-4.13e-05
541	142	-1.27	0.86	-0.02	0.0	-2.40e-03	7.29e-05
541	144	1.27	-0.45	-0.02	0.0	2.41e-03	-7.39e-05
541	161	0.72	-0.98	-0.02	0.0	1.36e-03	-4.66e-05
541	176	1.28	-0.45	-0.02	0.0	2.43e-03	-7.39e-05
541	190	-0.74	0.94	-0.02	0.0	-1.41e-03	4.41e-05
541	193	0.74	-0.98	-0.02	0.0	1.40e-03	-4.76e-05
541	208	1.51	-0.53	-0.02	0.0	2.87e-03	-8.69e-05
541	222	-0.88	1.11	-0.02	0.0	-1.67e-03	5.22e-05
541	225	0.88	-1.15	-0.02	0.0	1.67e-03	-5.69e-05
542	1	0.0	0.0	0.0	0.0	2.05e-06	0.0
542	65	0.0	0.0	0.0	0.0	1.52e-06	0.0
542	97	0.0	0.0	0.0	0.0	2.22e-06	0.0
542	106	0.0	0.0	0.0	0.0	2.22e-06	0.0
542	108	0.0	0.0	0.0	0.0	1.75e-03	-3.28e-06
542	140	0.0	0.0	0.0	0.0	1.97e-03	-3.69e-06
542	172	0.0	0.0	0.0	0.0	1.98e-03	-3.68e-06
542	204	0.0	0.0	0.0	0.0	2.33e-03	-4.31e-06
543	4	6.57e-03	0.10	-0.08	0.0	6.12e-06	-1.50e-06
543	44	5.04e-03	-0.26	-0.07	0.0	4.70e-06	-1.07e-06
543	52	7.68e-03	-0.04	-0.08	0.0	7.18e-06	-1.56e-06
543	68	4.54e-03	0.06	-0.05	0.0	4.22e-06	-1.04e-06
543	88	3.52e-03	-0.17	-0.05	0.0	3.28e-06	0.0
543	92	5.28e-03	-0.03	-0.05	0.0	4.94e-06	-1.09e-06
543	98	4.27e-03	-0.02	-0.04	0.0	3.98e-06	0.0
543	105	3.80e-03	-0.05	-0.04	0.0	3.54e-06	0.0
543	107	3.99e-03	-0.02	-0.04	0.0	3.72e-06	0.0
543	110	-2.24	1.53	-0.05	0.0	-2.11e-03	1.32e-04
543	112	2.25	-0.80	-0.04	0.0	2.12e-03	-1.33e-04
543	129	1.26	-1.75	-0.04	0.0	1.19e-03	-8.36e-05
543	142	-2.52	1.73	-0.05	0.0	-2.38e-03	1.48e-04
543	144	2.54	-0.90	-0.04	0.0	2.39e-03	-1.50e-04
543	161	1.43	-1.97	-0.04	0.0	1.35e-03	-9.44e-05
543	176	2.55	-0.90	-0.04	0.0	2.41e-03	-1.50e-04
543	190	-1.48	1.90	-0.05	0.0	-1.39e-03	8.95e-05
543	193	1.47	-1.97	-0.04	0.0	1.38e-03	-9.64e-05
543	208	3.01	-1.06	-0.04	0.0	2.84e-03	-1.77e-04
543	222	-1.75	2.23	-0.05	0.0	-1.65e-03	1.06e-04
543	225	1.76	-2.32	-0.04	0.0	1.66e-03	-1.15e-04
544	4	9.74e-03	0.15	-0.12	0.0	5.95e-06	-2.31e-06
544	44	7.48e-03	-0.39	-0.10	0.0	4.58e-06	-1.68e-06
544	52	0.01	-0.05	-0.12	0.0	7.03e-06	-2.42e-06
544	68	6.73e-03	0.10	-0.08	0.0	4.11e-06	-1.61e-06
544	88	5.22e-03	-0.26	-0.07	0.0	3.19e-06	-1.20e-06
544	92	7.85e-03	-0.04	-0.08	0.0	4.82e-06	-1.69e-06
544	98	6.33e-03	-0.03	-0.07	0.0	3.88e-06	-1.39e-06
544	105	5.64e-03	-0.08	-0.06	0.0	3.45e-06	-1.26e-06
544	107	5.92e-03	-0.03	-0.06	0.0	3.62e-06	-1.31e-06
544	110	-3.34	2.31	-0.07	0.0	-2.08e-03	1.97e-04
544	112	3.36	-1.21	-0.06	0.0	2.09e-03	-2.00e-04
544	129	1.89	-2.63	-0.06	0.0	1.17e-03	-1.24e-04
544	142	-3.76	2.61	-0.07	0.0	-2.35e-03	2.22e-04
544	144	3.79	-1.36	-0.06	0.0	2.36e-03	-2.25e-04
544	161	2.13	-2.97	-0.06	0.0	1.33e-03	-1.41e-04
544	176	3.81	-1.36	-0.06	0.0	2.38e-03	-2.25e-04
544	190	-2.21	2.88	-0.07	0.0	-1.38e-03	1.34e-04
544	193	2.19	-2.98	-0.06	0.0	1.36e-03	-1.43e-04
544	208	4.50	-1.60	-0.06	0.0	2.80e-03	-2.64e-04
544	222	-2.61	3.38	-0.07	0.0	-1.63e-03	1.58e-04
544	225	2.62	-3.50	-0.06	0.0	1.64e-03	-1.72e-04
545	4	0.01	0.21	-0.16	0.0	5.79e-06	-3.20e-06

545	44	9.84e-03	-0.51	-0.14	0.0	4.47e-06	-2.39e-06
545	52	0.02	-0.07	-0.16	0.0	6.88e-06	-3.36e-06
545	68	8.85e-03	0.14	-0.11	0.0	3.99e-06	-2.24e-06
545	88	6.87e-03	-0.34	-0.10	0.0	3.11e-06	-1.70e-06
545	92	0.01	-0.05	-0.11	0.0	4.72e-06	-2.34e-06
545	98	8.34e-03	-0.04	-0.09	0.0	3.79e-06	-1.93e-06
545	105	7.43e-03	-0.10	-0.09	0.0	3.36e-06	-1.77e-06
545	107	7.79e-03	-0.04	-0.09	0.0	3.53e-06	-1.83e-06
545	110	-4.42	3.10	-0.09	0.0	-2.05e-03	2.62e-04
545	112	4.45	-1.61	-0.09	0.0	2.06e-03	-2.66e-04
545	129	2.50	-3.53	-0.08	0.0	1.16e-03	-1.65e-04
545	142	-4.99	3.49	-0.10	0.0	-2.31e-03	2.96e-04
545	144	5.01	-1.81	-0.09	0.0	2.33e-03	-3.00e-04
545	161	2.82	-3.97	-0.08	0.0	1.31e-03	-1.86e-04
545	176	5.05	-1.82	-0.09	0.0	2.34e-03	-3.00e-04
545	190	-2.92	3.86	-0.09	0.0	-1.35e-03	1.78e-04
545	193	2.90	-3.98	-0.08	0.0	1.34e-03	-1.90e-04
545	208	5.96	-2.14	-0.09	0.0	2.76e-03	-3.53e-04
545	222	-3.46	4.52	-0.10	0.0	-1.60e-03	2.10e-04
545	225	3.48	-4.69	-0.08	0.0	1.61e-03	-2.27e-04
546	28	3.09e-03	-0.09	-0.04	0.0	5.80e-06	0.0
546	44	2.28e-03	-0.13	-0.03	0.0	4.26e-06	0.0
546	52	3.46e-03	-0.02	-0.04	0.0	6.50e-06	0.0
546	80	2.13e-03	-0.06	-0.03	0.0	4.00e-06	0.0
546	88	1.59e-03	-0.09	-0.02	0.0	2.97e-06	0.0
546	92	2.38e-03	-0.01	-0.03	0.0	4.46e-06	0.0
546	98	1.92e-03	-0.01	-0.02	0.0	3.60e-06	0.0
546	105	1.71e-03	-0.03	-0.02	0.0	3.21e-06	0.0
546	107	1.79e-03	-0.01	-0.02	0.0	3.36e-06	0.0
546	112	1.09	-0.40	-0.02	0.0	2.07e-03	-6.65e-05
546	127	0.04	-0.52	-0.02	0.0	7.57e-05	-4.27e-06
546	129	0.61	-0.87	-0.02	0.0	1.16e-03	-4.16e-05
546	144	1.23	-0.45	-0.02	0.0	2.33e-03	-7.49e-05
546	159	0.05	-0.59	-0.02	0.0	8.65e-05	-4.86e-06
546	161	0.69	-0.98	-0.02	0.0	1.31e-03	-4.70e-05
546	176	1.24	-0.45	-0.02	0.0	2.35e-03	-7.49e-05
546	191	0.05	-0.59	-0.02	0.0	9.50e-05	-5.21e-06
546	193	0.71	-0.98	-0.02	0.0	1.35e-03	-4.80e-05
546	208	1.46	-0.53	-0.02	0.0	2.77e-03	-8.81e-05
546	223	0.06	-0.69	-0.02	0.0	1.17e-04	-6.44e-06
546	225	0.85	-1.15	-0.02	0.0	1.61e-03	-5.75e-05
547	1	0.0	0.0	0.0	0.0	1.72e-06	0.0
547	65	0.0	0.0	0.0	0.0	1.28e-06	0.0
547	97	0.0	0.0	0.0	0.0	1.96e-06	0.0
547	106	0.0	0.0	0.0	0.0	1.96e-06	0.0
547	108	0.0	0.0	0.0	0.0	1.69e-03	-3.32e-06
547	140	0.0	0.0	0.0	0.0	1.91e-03	-3.74e-06
547	172	0.0	0.0	0.0	0.0	1.91e-03	-3.73e-06
547	204	0.0	0.0	0.0	0.0	2.25e-03	-4.37e-06
548	28	6.11e-03	-0.17	-0.07	0.0	5.64e-06	-1.06e-06
548	44	4.49e-03	-0.26	-0.07	0.0	4.11e-06	0.0
548	52	6.85e-03	-0.04	-0.07	0.0	6.34e-06	-1.21e-06
548	80	4.22e-03	-0.12	-0.05	0.0	3.88e-06	0.0
548	88	3.14e-03	-0.17	-0.05	0.0	2.86e-06	0.0
548	92	4.71e-03	-0.03	-0.05	0.0	4.35e-06	0.0
548	98	3.80e-03	-0.02	-0.04	0.0	3.50e-06	0.0
548	105	3.38e-03	-0.05	-0.04	0.0	3.11e-06	0.0
548	107	3.55e-03	-0.02	-0.04	0.0	3.26e-06	0.0
548	112	2.18	-0.80	-0.04	0.0	2.05e-03	-1.35e-04
548	127	0.08	-1.05	-0.05	0.0	7.48e-05	-8.55e-06
548	129	1.22	-1.75	-0.04	0.0	1.15e-03	-8.43e-05
548	144	2.45	-0.90	-0.04	0.0	2.31e-03	-1.52e-04
548	159	0.09	-1.18	-0.05	0.0	8.55e-05	-9.71e-06
548	161	1.38	-1.97	-0.05	0.0	1.30e-03	-9.53e-05
548	176	2.47	-0.90	-0.04	0.0	2.33e-03	-1.52e-04
548	191	0.10	-1.18	-0.05	0.0	9.40e-05	-1.04e-05
548	193	1.42	-1.97	-0.05	0.0	1.34e-03	-9.73e-05
548	208	2.91	-1.06	-0.04	0.0	2.75e-03	-1.79e-04
548	223	0.12	-1.38	-0.05	0.0	1.16e-04	-1.29e-05
548	225	1.70	-2.32	-0.05	0.0	1.60e-03	-1.16e-04
549	28	9.02e-03	-0.26	-0.11	0.0	5.40e-06	-1.65e-06
549	44	6.61e-03	-0.39	-0.10	0.0	3.89e-06	-1.22e-06
549	52	0.01	-0.05	-0.11	0.0	6.10e-06	-1.88e-06
549	80	6.22e-03	-0.17	-0.08	0.0	3.71e-06	-1.15e-06
549	88	4.61e-03	-0.26	-0.07	0.0	2.70e-06	0.0

549	92	6.95e-03	-0.04	-0.08	0.0	4.17e-06	-1.30e-06
549	98	5.60e-03	-0.03	-0.07	0.0	3.35e-06	-1.05e-06
549	105	4.98e-03	-0.08	-0.06	0.0	2.96e-06	0.0
549	107	5.23e-03	-0.03	-0.06	0.0	3.12e-06	0.0
549	112	3.25	-1.21	-0.06	0.0	2.02e-03	-2.02e-04
549	127	0.12	-1.59	-0.07	0.0	7.33e-05	-1.25e-05
549	129	1.82	-2.63	-0.07	0.0	1.13e-03	-1.25e-04
549	144	3.66	-1.36	-0.06	0.0	2.28e-03	-2.28e-04
549	159	0.14	-1.78	-0.07	0.0	8.38e-05	-1.42e-05
549	161	2.06	-2.97	-0.07	0.0	1.28e-03	-1.42e-04
549	176	3.69	-1.36	-0.06	0.0	2.30e-03	-2.28e-04
549	191	0.15	-1.78	-0.07	0.0	9.23e-05	-1.53e-05
549	193	2.11	-2.98	-0.07	0.0	1.32e-03	-1.45e-04
549	208	4.35	-1.60	-0.06	0.0	2.71e-03	-2.68e-04
549	223	0.18	-2.08	-0.07	0.0	1.14e-04	-1.90e-05
549	225	2.53	-3.50	-0.07	0.0	1.58e-03	-1.73e-04
550	28	0.01	-0.34	-0.16	0.0	5.13e-06	-2.34e-06
550	44	8.58e-03	-0.51	-0.14	0.0	3.64e-06	-1.76e-06
550	52	0.01	-0.07	-0.16	0.0	5.83e-06	-2.62e-06
550	80	8.11e-03	-0.23	-0.11	0.0	3.52e-06	-1.63e-06
550	88	5.98e-03	-0.34	-0.10	0.0	2.52e-06	-1.24e-06
550	92	9.09e-03	-0.05	-0.11	0.0	3.98e-06	-1.81e-06
550	98	7.31e-03	-0.04	-0.09	0.0	3.18e-06	-1.47e-06
550	105	6.49e-03	-0.10	-0.09	0.0	2.80e-06	-1.32e-06
550	107	6.82e-03	-0.04	-0.09	0.0	2.95e-06	-1.39e-06
550	112	4.30	-1.61	-0.08	0.0	1.99e-03	-2.69e-04
550	127	0.16	-2.12	-0.10	0.0	7.12e-05	-1.63e-05
550	129	2.41	-3.53	-0.09	0.0	1.12e-03	-1.66e-04
550	144	4.85	-1.81	-0.08	0.0	2.25e-03	-3.03e-04
550	159	0.18	-2.39	-0.10	0.0	8.15e-05	-1.85e-05
550	161	2.73	-3.97	-0.09	0.0	1.26e-03	-1.88e-04
550	176	4.88	-1.82	-0.08	0.0	2.26e-03	-3.03e-04
550	191	0.20	-2.38	-0.10	0.0	8.99e-05	-1.99e-05
550	193	2.80	-3.98	-0.09	0.0	1.30e-03	-1.92e-04
550	208	5.76	-2.14	-0.08	0.0	2.67e-03	-3.57e-04
550	223	0.24	-2.78	-0.10	0.0	1.12e-04	-2.47e-05
550	225	3.35	-4.69	-0.10	0.0	1.55e-03	-2.29e-04
551	28	2.83e-03	-0.09	-0.04	0.0	5.29e-06	0.0
551	44	2.10e-03	-0.13	-0.03	0.0	3.90e-06	0.0
551	52	3.16e-03	-0.02	-0.04	0.0	5.91e-06	0.0
551	80	1.95e-03	-0.06	-0.03	0.0	3.65e-06	0.0
551	88	1.46e-03	-0.09	-0.02	0.0	2.72e-06	0.0
551	92	2.17e-03	-0.01	-0.03	0.0	4.06e-06	0.0
551	98	1.75e-03	-0.01	-0.02	0.0	3.28e-06	0.0
551	105	1.57e-03	-0.03	-0.02	0.0	2.92e-06	0.0
551	107	1.64e-03	-0.01	-0.02	0.0	3.06e-06	0.0
551	112	1.06	-0.40	-0.02	0.0	2.00e-03	-6.77e-05
551	127	0.04	-0.53	-0.03	0.0	7.43e-05	-4.12e-06
551	129	0.59	-0.87	-0.03	0.0	1.12e-03	-4.22e-05
551	144	1.19	-0.45	-0.02	0.0	2.26e-03	-7.63e-05
551	159	0.04	-0.59	-0.03	0.0	8.48e-05	-4.70e-06
551	161	0.67	-0.98	-0.03	0.0	1.27e-03	-4.77e-05
551	176	1.20	-0.45	-0.02	0.0	2.27e-03	-7.64e-05
551	193	0.68	-0.98	-0.03	0.0	1.30e-03	-4.87e-05
551	208	1.41	-0.53	-0.02	0.0	2.68e-03	-8.99e-05
551	225	0.82	-1.16	-0.03	0.0	1.55e-03	-5.83e-05
552	1	0.0	0.0	0.0	0.0	1.52e-06	0.0
552	65	0.0	0.0	0.0	0.0	1.14e-06	0.0
552	97	0.0	0.0	0.0	0.0	1.79e-06	0.0
552	106	0.0	0.0	0.0	0.0	1.79e-06	0.0
552	108	0.0	0.0	0.0	0.0	1.63e-03	-3.38e-06
552	140	0.0	0.0	0.0	0.0	1.84e-03	-3.81e-06
552	172	0.0	0.0	0.0	0.0	1.85e-03	-3.80e-06
552	204	0.0	0.0	0.0	0.0	2.18e-03	-4.45e-06
553	28	5.59e-03	-0.17	-0.08	0.0	5.09e-06	0.0
553	44	4.13e-03	-0.26	-0.07	0.0	3.72e-06	0.0
553	52	6.24e-03	-0.04	-0.08	0.0	5.71e-06	0.0
553	80	3.86e-03	-0.12	-0.05	0.0	3.50e-06	0.0
553	88	2.88e-03	-0.17	-0.05	0.0	2.59e-06	0.0
553	92	4.29e-03	-0.03	-0.05	0.0	3.92e-06	0.0
553	98	3.46e-03	-0.02	-0.04	0.0	3.15e-06	0.0
553	105	3.09e-03	-0.05	-0.04	0.0	2.80e-06	0.0
553	107	3.23e-03	-0.02	-0.04	0.0	2.94e-06	0.0
553	112	2.10	-0.80	-0.04	0.0	1.98e-03	-1.37e-04
553	127	0.08	-1.05	-0.05	0.0	7.36e-05	-8.24e-06

553	129	1.18	-1.75	-0.05	0.0	1.11e-03	-8.53e-05
553	144	2.37	-0.90	-0.04	0.0	2.23e-03	-1.55e-04
553	159	0.09	-1.19	-0.05	0.0	8.40e-05	-9.40e-06
553	161	1.33	-1.97	-0.05	0.0	1.25e-03	-9.64e-05
553	176	2.39	-0.90	-0.04	0.0	2.25e-03	-1.55e-04
553	193	1.36	-1.98	-0.05	0.0	1.29e-03	-9.85e-05
553	208	2.81	-1.06	-0.03	0.0	2.65e-03	-1.82e-04
553	225	1.63	-2.33	-0.06	0.0	1.54e-03	-1.18e-04
554	28	8.21e-03	-0.26	-0.12	0.0	4.77e-06	-1.14e-06
554	44	6.03e-03	-0.38	-0.10	0.0	3.42e-06	0.0
554	52	9.18e-03	-0.05	-0.12	0.0	5.40e-06	-1.35e-06
554	80	5.65e-03	-0.17	-0.08	0.0	3.28e-06	0.0
554	88	4.20e-03	-0.26	-0.07	0.0	2.37e-06	0.0
554	92	6.30e-03	-0.04	-0.08	0.0	3.70e-06	0.0
554	98	5.08e-03	-0.03	-0.07	0.0	2.96e-06	0.0
554	105	4.53e-03	-0.07	-0.07	0.0	2.62e-06	0.0
554	107	4.74e-03	-0.03	-0.06	0.0	2.76e-06	0.0
554	112	3.14	-1.20	-0.06	0.0	1.95e-03	-2.05e-04
554	127	0.12	-1.59	-0.08	0.0	7.22e-05	-1.21e-05
554	129	1.76	-2.64	-0.08	0.0	1.09e-03	-1.27e-04
554	144	3.54	-1.36	-0.05	0.0	2.20e-03	-2.31e-04
554	159	0.13	-1.79	-0.08	0.0	8.25e-05	-1.37e-05
554	161	1.98	-2.97	-0.08	0.0	1.24e-03	-1.43e-04
554	176	3.56	-1.36	-0.05	0.0	2.22e-03	-2.31e-04
554	193	2.04	-2.98	-0.08	0.0	1.27e-03	-1.46e-04
554	208	4.20	-1.60	-0.05	0.0	2.62e-03	-2.72e-04
554	225	2.44	-3.51	-0.09	0.0	1.52e-03	-1.75e-04
555	28	0.01	-0.34	-0.16	0.0	4.37e-06	-1.58e-06
555	44	7.74e-03	-0.51	-0.14	0.0	3.04e-06	-1.07e-06
555	52	0.01	-0.06	-0.16	0.0	5.02e-06	-1.85e-06
555	80	7.31e-03	-0.23	-0.11	0.0	2.99e-06	-1.08e-06
555	88	5.39e-03	-0.34	-0.10	0.0	2.10e-06	0.0
555	92	8.18e-03	-0.05	-0.11	0.0	3.42e-06	-1.26e-06
555	98	6.58e-03	-0.04	-0.09	0.0	2.72e-06	0.0
555	105	5.85e-03	-0.10	-0.09	0.0	2.38e-06	0.0
555	107	6.14e-03	-0.04	-0.09	0.0	2.52e-06	0.0
555	112	4.16	-1.61	-0.08	0.0	1.92e-03	-2.73e-04
555	127	0.15	-2.12	-0.11	0.0	7.04e-05	-1.56e-05
555	129	2.32	-3.53	-0.11	0.0	1.08e-03	-1.67e-04
555	144	4.68	-1.81	-0.08	0.0	2.17e-03	-3.07e-04
555	159	0.18	-2.39	-0.11	0.0	8.04e-05	-1.78e-05
555	161	2.63	-3.97	-0.11	0.0	1.22e-03	-1.89e-04
555	176	4.71	-1.82	-0.08	0.0	2.18e-03	-3.07e-04
555	193	2.70	-3.98	-0.11	0.0	1.25e-03	-1.93e-04
555	208	5.56	-2.14	-0.07	0.0	2.58e-03	-3.62e-04
555	225	3.23	-4.69	-0.12	0.0	1.50e-03	-2.32e-04
556	28	2.66e-03	-0.09	-0.04	0.0	4.96e-06	0.0
556	44	1.99e-03	-0.13	-0.04	0.0	3.70e-06	0.0
556	52	2.94e-03	-0.02	-0.04	0.0	5.50e-06	0.0
556	80	1.83e-03	-0.06	-0.03	0.0	3.42e-06	0.0
556	88	1.39e-03	-0.09	-0.03	0.0	2.58e-06	0.0
556	92	2.02e-03	-0.01	-0.03	0.0	3.78e-06	0.0
556	98	1.64e-03	-0.01	-0.02	0.0	3.06e-06	0.0
556	105	1.47e-03	-0.03	-0.02	0.0	2.74e-06	0.0
556	107	1.53e-03	-0.01	-0.02	0.0	2.86e-06	0.0
556	112	1.02	-0.40	-0.02	0.0	1.93e-03	-6.92e-05
556	129	0.57	-0.87	-0.03	0.0	1.08e-03	-4.28e-05
556	144	1.15	-0.45	-0.02	0.0	2.17e-03	-7.80e-05
556	161	0.64	-0.98	-0.03	0.0	1.22e-03	-4.84e-05
556	176	1.15	-0.45	-0.02	0.0	2.19e-03	-7.81e-05
556	193	0.66	-0.98	-0.03	0.0	1.25e-03	-4.95e-05
556	208	1.36	-0.53	-0.01	0.0	2.58e-03	-9.19e-05
556	225	0.79	-1.16	-0.04	0.0	1.49e-03	-5.93e-05
557	1	0.0	0.0	0.0	0.0	1.42e-06	0.0
557	65	0.0	0.0	0.0	0.0	1.07e-06	0.0
557	97	0.0	0.0	0.0	0.0	1.68e-06	0.0
557	106	0.0	0.0	0.0	0.0	1.68e-06	0.0
557	108	0.0	0.0	0.0	0.0	1.57e-03	-3.45e-06
557	140	0.0	0.0	0.0	0.0	1.77e-03	-3.89e-06
557	172	0.0	0.0	0.0	0.0	1.78e-03	-3.88e-06
557	204	0.0	0.0	0.0	0.0	2.10e-03	-4.55e-06
558	28	5.24e-03	-0.17	-0.08	0.0	4.76e-06	0.0
558	44	3.92e-03	-0.26	-0.07	0.0	3.52e-06	0.0
558	52	5.81e-03	-0.04	-0.08	0.0	5.30e-06	0.0
558	80	3.62e-03	-0.12	-0.06	0.0	3.28e-06	0.0

558	88	2.74e-03	-0.17	-0.05	0.0	2.46e-06	0.0
558	92	4.00e-03	-0.03	-0.06	0.0	3.64e-06	0.0
558	98	3.23e-03	-0.02	-0.05	0.0	2.94e-06	0.0
558	105	2.90e-03	-0.05	-0.05	0.0	2.63e-06	0.0
558	107	3.02e-03	-0.02	-0.04	0.0	2.75e-06	0.0
558	112	2.03	-0.80	-0.03	0.0	1.91e-03	-1.40e-04
558	129	1.13	-1.75	-0.07	0.0	1.07e-03	-8.65e-05
558	144	2.29	-0.90	-0.03	0.0	2.15e-03	-1.58e-04
558	161	1.28	-1.97	-0.07	0.0	1.21e-03	-9.78e-05
558	176	2.30	-0.90	-0.03	0.0	2.17e-03	-1.58e-04
558	193	1.31	-1.98	-0.07	0.0	1.24e-03	-1.00e-04
558	208	2.71	-1.06	-0.03	0.0	2.56e-03	-1.86e-04
558	225	1.57	-2.33	-0.07	0.0	1.48e-03	-1.20e-04
559	28	7.69e-03	-0.25	-0.12	0.0	4.43e-06	0.0
559	44	5.72e-03	-0.38	-0.11	0.0	3.22e-06	0.0
559	52	8.54e-03	-0.05	-0.12	0.0	4.99e-06	0.0
559	80	5.30e-03	-0.17	-0.09	0.0	3.05e-06	0.0
559	88	3.99e-03	-0.26	-0.08	0.0	2.24e-06	0.0
559	92	5.87e-03	-0.04	-0.09	0.0	3.42e-06	0.0
559	98	4.75e-03	-0.03	-0.07	0.0	2.76e-06	0.0
559	105	4.25e-03	-0.07	-0.07	0.0	2.44e-06	0.0
559	107	4.44e-03	-0.03	-0.07	0.0	2.57e-06	0.0
559	112	3.03	-1.20	-0.05	0.0	1.88e-03	-2.09e-04
559	129	1.69	-2.64	-0.10	0.0	1.05e-03	-1.28e-04
559	144	3.41	-1.35	-0.05	0.0	2.12e-03	-2.36e-04
559	161	1.91	-2.97	-0.10	0.0	1.19e-03	-1.45e-04
559	176	3.43	-1.36	-0.05	0.0	2.14e-03	-2.36e-04
559	193	1.96	-2.98	-0.10	0.0	1.22e-03	-1.48e-04
559	208	4.05	-1.60	-0.04	0.0	2.52e-03	-2.78e-04
559	225	2.34	-3.51	-0.11	0.0	1.46e-03	-1.78e-04
560	28	9.92e-03	-0.34	-0.17	0.0	4.00e-06	0.0
560	44	7.32e-03	-0.51	-0.15	0.0	2.81e-06	0.0
560	52	0.01	-0.06	-0.17	0.0	4.58e-06	-1.17e-06
560	80	6.84e-03	-0.23	-0.12	0.0	2.74e-06	0.0
560	88	5.11e-03	-0.34	-0.11	0.0	1.95e-06	0.0
560	92	7.60e-03	-0.04	-0.12	0.0	3.13e-06	0.0
560	98	6.14e-03	-0.04	-0.10	0.0	2.51e-06	0.0
560	105	5.48e-03	-0.10	-0.10	0.0	2.20e-06	0.0
560	107	5.73e-03	-0.04	-0.09	0.0	2.33e-06	0.0
560	112	4.01	-1.61	-0.07	0.0	1.85e-03	-2.77e-04
560	129	2.24	-3.53	-0.14	0.0	1.04e-03	-1.69e-04
560	144	4.52	-1.81	-0.07	0.0	2.09e-03	-3.13e-04
560	161	2.53	-3.97	-0.14	0.0	1.17e-03	-1.92e-04
560	176	4.54	-1.82	-0.07	0.0	2.10e-03	-3.13e-04
560	193	2.59	-3.99	-0.14	0.0	1.20e-03	-1.96e-04
560	208	5.36	-2.14	-0.06	0.0	2.48e-03	-3.68e-04
560	225	3.10	-4.69	-0.15	0.0	1.44e-03	-2.35e-04
561	28	2.54e-03	-0.09	-0.04	0.0	4.75e-06	0.0
561	44	1.93e-03	-0.13	-0.04	0.0	3.60e-06	0.0
561	52	2.78e-03	-0.02	-0.04	0.0	5.21e-06	0.0
561	80	1.75e-03	-0.06	-0.03	0.0	3.28e-06	0.0
561	88	1.35e-03	-0.09	-0.03	0.0	2.52e-06	0.0
561	92	1.91e-03	-0.01	-0.03	0.0	3.59e-06	0.0
561	98	1.55e-03	-0.01	-0.03	0.0	2.91e-06	0.0
561	105	1.40e-03	-0.03	-0.02	0.0	2.62e-06	0.0
561	107	1.45e-03	-0.01	-0.02	0.0	2.72e-06	0.0
561	112	0.98	-0.40	-0.01	0.0	1.86e-03	-7.06e-05
561	129	0.55	-0.87	-0.05	0.0	1.03e-03	-4.33e-05
561	144	1.10	-0.45	-9.86e-03	0.0	2.09e-03	-7.96e-05
561	161	0.62	-0.98	-0.05	0.0	1.17e-03	-4.90e-05
561	176	1.11	-0.45	-0.01	0.0	2.10e-03	-7.97e-05
561	193	0.63	-0.99	-0.05	0.0	1.20e-03	-5.02e-05
561	208	1.31	-0.53	-8.41e-03	0.0	2.48e-03	-9.39e-05
561	225	0.75	-1.16	-0.05	0.0	1.43e-03	-6.01e-05
562	1	0.0	0.0	0.0	0.0	1.38e-06	0.0
562	65	0.0	0.0	0.0	0.0	1.04e-06	0.0
562	97	0.0	0.0	0.0	0.0	1.62e-06	0.0
562	106	0.0	0.0	0.0	0.0	1.62e-06	0.0
562	108	0.0	0.0	0.0	0.0	1.51e-03	-3.53e-06
562	140	0.0	0.0	0.0	0.0	1.70e-03	-3.97e-06
562	172	0.0	0.0	0.0	0.0	1.71e-03	-3.97e-06
562	204	0.0	0.0	0.0	0.0	2.02e-03	-4.65e-06
563	28	5.01e-03	-0.17	-0.09	0.0	4.59e-06	0.0
563	44	3.81e-03	-0.26	-0.08	0.0	3.47e-06	0.0
563	52	5.49e-03	-0.04	-0.08	0.0	5.05e-06	0.0

563	80	3.46e-03	-0.11	-0.06	0.0	3.17e-06	0.0
563	88	2.66e-03	-0.17	-0.06	0.0	2.42e-06	0.0
563	92	3.78e-03	-0.02	-0.06	0.0	3.48e-06	0.0
563	98	3.07e-03	-0.02	-0.05	0.0	2.83e-06	0.0
563	105	2.77e-03	-0.05	-0.05	0.0	2.54e-06	0.0
563	107	2.87e-03	-0.02	-0.05	0.0	2.65e-06	0.0
563	112	1.95	-0.80	-0.02	0.0	1.84e-03	-1.43e-04
563	129	1.09	-1.75	-0.09	0.0	1.02e-03	-8.78e-05
563	144	2.20	-0.90	-0.02	0.0	2.07e-03	-1.62e-04
563	161	1.23	-1.97	-0.10	0.0	1.16e-03	-9.92e-05
563	176	2.21	-0.90	-0.02	0.0	2.08e-03	-1.62e-04
563	193	1.26	-1.98	-0.09	0.0	1.19e-03	-1.02e-04
563	208	2.61	-1.06	-0.02	0.0	2.46e-03	-1.91e-04
563	225	1.51	-2.33	-0.10	0.0	1.42e-03	-1.22e-04
564	28	7.38e-03	-0.25	-0.13	0.0	4.35e-06	0.0
564	44	5.59e-03	-0.38	-0.12	0.0	3.26e-06	0.0
564	52	8.11e-03	-0.05	-0.13	0.0	4.82e-06	0.0
564	80	5.10e-03	-0.17	-0.09	0.0	3.01e-06	0.0
564	88	3.91e-03	-0.26	-0.09	0.0	2.28e-06	0.0
564	92	5.59e-03	-0.03	-0.09	0.0	3.32e-06	0.0
564	98	4.53e-03	-0.03	-0.08	0.0	2.70e-06	0.0
564	105	4.08e-03	-0.07	-0.07	0.0	2.42e-06	0.0
564	107	4.24e-03	-0.03	-0.07	0.0	2.53e-06	0.0
564	112	2.91	-1.20	-0.04	0.0	1.81e-03	-2.14e-04
564	129	1.62	-2.64	-0.14	0.0	1.01e-03	-1.30e-04
564	144	3.28	-1.35	-0.03	0.0	2.04e-03	-2.41e-04
564	161	1.83	-2.97	-0.14	0.0	1.14e-03	-1.47e-04
564	176	3.30	-1.36	-0.03	0.0	2.06e-03	-2.42e-04
564	193	1.88	-2.98	-0.14	0.0	1.17e-03	-1.51e-04
564	208	3.89	-1.60	-0.03	0.0	2.42e-03	-2.85e-04
564	225	2.25	-3.51	-0.15	0.0	1.40e-03	-1.81e-04
565	28	9.61e-03	-0.33	-0.19	0.0	4.00e-06	0.0
565	44	7.25e-03	-0.51	-0.17	0.0	2.95e-06	0.0
565	52	0.01	-0.06	-0.18	0.0	4.49e-06	0.0
565	80	6.64e-03	-0.22	-0.13	0.0	2.77e-06	0.0
565	88	5.07e-03	-0.34	-0.12	0.0	2.06e-06	0.0
565	92	7.29e-03	-0.04	-0.13	0.0	3.09e-06	0.0
565	98	5.92e-03	-0.04	-0.11	0.0	2.51e-06	0.0
565	105	5.33e-03	-0.09	-0.10	0.0	2.24e-06	0.0
565	107	5.54e-03	-0.03	-0.10	0.0	2.35e-06	0.0
565	112	3.85	-1.61	-0.05	0.0	1.79e-03	-2.84e-04
565	129	2.15	-3.53	-0.18	0.0	9.97e-04	-1.72e-04
565	144	4.34	-1.81	-0.05	0.0	2.01e-03	-3.20e-04
565	161	2.43	-3.97	-0.19	0.0	1.13e-03	-1.95e-04
565	176	4.37	-1.82	-0.05	0.0	2.02e-03	-3.20e-04
565	193	2.49	-3.99	-0.19	0.0	1.16e-03	-1.99e-04
565	208	5.15	-2.14	-0.04	0.0	2.39e-03	-3.77e-04
565	225	2.98	-4.69	-0.21	0.0	1.38e-03	-2.39e-04
566	28	2.44e-03	-0.09	-0.05	0.0	4.59e-06	0.0
566	44	1.89e-03	-0.13	-0.05	0.0	3.55e-06	0.0
566	52	2.63e-03	-0.02	-0.05	0.0	4.96e-06	0.0
566	80	1.69e-03	-0.06	-0.03	0.0	3.18e-06	0.0
566	88	1.32e-03	-0.09	-0.03	0.0	2.49e-06	0.0
566	92	1.82e-03	-0.01	-0.03	0.0	3.43e-06	0.0
566	98	1.48e-03	-0.01	-0.03	0.0	2.79e-06	0.0
566	105	1.34e-03	-0.03	-0.03	0.0	2.53e-06	0.0
566	107	1.39e-03	-0.01	-0.03	0.0	2.62e-06	0.0
566	112	0.94	-0.40	-4.26e-03	0.0	1.78e-03	-7.18e-05
566	129	0.52	-0.87	-0.06	0.0	9.90e-04	-4.37e-05
566	144	1.06	-0.45	-1.46e-03	0.0	2.01e-03	-8.09e-05
566	161	0.59	-0.98	-0.07	0.0	1.12e-03	-4.94e-05
566	176	1.06	-0.45	-2.38e-03	0.0	2.02e-03	-8.11e-05
566	193	0.60	-0.99	-0.07	0.0	1.15e-03	-5.06e-05
566	208	1.25	-0.53	1.36e-03	0.0	2.38e-03	-9.55e-05
566	225	0.72	-1.16	-0.07	0.0	1.37e-03	-6.07e-05
567	1	0.0	0.0	0.0	0.0	1.36e-06	0.0
567	65	0.0	0.0	0.0	0.0	1.02e-06	0.0
567	97	0.0	0.0	0.0	0.0	1.58e-06	0.0
567	106	0.0	0.0	0.0	0.0	1.58e-06	0.0
567	108	0.0	0.0	0.0	0.0	1.45e-03	-3.59e-06
567	140	0.0	0.0	0.0	0.0	1.63e-03	-4.05e-06
567	172	0.0	0.0	0.0	0.0	1.64e-03	-4.04e-06
567	204	0.0	0.0	0.0	0.0	1.93e-03	-4.75e-06
568	28	4.83e-03	-0.17	-0.10	0.0	4.49e-06	0.0
568	44	3.74e-03	-0.26	-0.09	0.0	3.48e-06	0.0

568	52	5.22e-03	-0.03	-0.09	0.0	4.87e-06	0.0
568	80	3.34e-03	-0.11	-0.07	0.0	3.11e-06	0.0
568	88	2.62e-03	-0.17	-0.06	0.0	2.44e-06	0.0
568	92	3.61e-03	-0.02	-0.07	0.0	3.37e-06	0.0
568	98	2.94e-03	-0.02	-0.06	0.0	2.75e-06	0.0
568	105	2.67e-03	-0.05	-0.05	0.0	2.50e-06	0.0
568	107	2.75e-03	-0.02	-0.05	0.0	2.58e-06	0.0
568	112	1.87	-0.80	-8.23e-03	0.0	1.76e-03	-1.46e-04
568	129	1.04	-1.75	-0.13	0.0	9.82e-04	-8.87e-05
568	144	2.11	-0.90	-2.61e-03	0.0	1.99e-03	-1.65e-04
568	161	1.18	-1.97	-0.14	0.0	1.11e-03	-1.00e-04
568	176	2.12	-0.90	-4.46e-03	0.0	2.00e-03	-1.65e-04
568	193	1.20	-1.98	-0.13	0.0	1.14e-03	-1.03e-04
568	208	2.50	-1.06	3.04e-03	0.0	2.36e-03	-1.94e-04
568	225	1.44	-2.33	-0.15	0.0	1.36e-03	-1.23e-04
569	28	7.15e-03	-0.25	-0.15	0.0	4.39e-06	0.0
569	44	5.54e-03	-0.38	-0.14	0.0	3.41e-06	0.0
569	52	7.75e-03	-0.05	-0.14	0.0	4.78e-06	0.0
569	80	4.95e-03	-0.17	-0.11	0.0	3.05e-06	0.0
569	88	3.88e-03	-0.26	-0.10	0.0	2.40e-06	0.0
569	92	5.35e-03	-0.03	-0.10	0.0	3.31e-06	0.0
569	98	4.36e-03	-0.03	-0.08	0.0	2.71e-06	0.0
569	105	3.96e-03	-0.07	-0.08	0.0	2.46e-06	0.0
569	107	4.09e-03	-0.03	-0.08	0.0	2.55e-06	0.0
569	112	2.79	-1.20	-0.01	0.0	1.74e-03	-2.19e-04
569	129	1.55	-2.64	-0.19	0.0	9.70e-04	-1.32e-04
569	144	3.15	-1.35	-4.27e-03	0.0	1.96e-03	-2.46e-04
569	161	1.76	-2.97	-0.20	0.0	1.10e-03	-1.49e-04
569	176	3.16	-1.36	-7.05e-03	0.0	1.97e-03	-2.47e-04
569	193	1.80	-2.98	-0.20	0.0	1.12e-03	-1.53e-04
569	208	3.73	-1.60	4.25e-03	0.0	2.32e-03	-2.91e-04
569	225	2.15	-3.51	-0.22	0.0	1.34e-03	-1.84e-04
570	28	9.42e-03	-0.33	-0.21	0.0	4.37e-06	0.0
570	44	7.30e-03	-0.51	-0.19	0.0	3.43e-06	0.0
570	52	0.01	-0.06	-0.20	0.0	4.75e-06	0.0
570	80	6.53e-03	-0.22	-0.15	0.0	3.05e-06	0.0
570	88	5.12e-03	-0.34	-0.13	0.0	2.42e-06	0.0
570	92	7.07e-03	-0.04	-0.14	0.0	3.31e-06	0.0
570	98	5.77e-03	-0.04	-0.12	0.0	2.73e-06	0.0
570	105	5.24e-03	-0.09	-0.11	0.0	2.49e-06	0.0
570	107	5.42e-03	-0.03	-0.11	0.0	2.57e-06	0.0
570	112	3.70	-1.61	-0.02	0.0	1.72e-03	-2.91e-04
570	129	2.06	-3.53	-0.26	0.0	9.57e-04	-1.75e-04
570	144	4.17	-1.81	-8.45e-03	0.0	1.93e-03	-3.28e-04
570	161	2.33	-3.97	-0.28	0.0	1.08e-03	-1.98e-04
570	176	4.19	-1.82	-0.01	0.0	1.94e-03	-3.29e-04
570	193	2.38	-3.99	-0.28	0.0	1.11e-03	-2.03e-04
570	208	4.94	-2.14	2.96e-03	0.0	2.29e-03	-3.87e-04
570	225	2.85	-4.69	-0.30	0.0	1.32e-03	-2.43e-04
571	28	2.32e-03	-0.08	-0.04	0.0	4.41e-06	0.0
571	44	1.85e-03	-0.13	-0.04	0.0	3.50e-06	0.0
571	52	2.46e-03	-0.02	-0.04	0.0	4.69e-06	0.0
571	80	1.61e-03	-0.06	-0.03	0.0	3.06e-06	0.0
571	88	1.29e-03	-0.09	-0.03	0.0	2.46e-06	0.0
571	92	1.70e-03	-0.01	-0.03	0.0	3.25e-06	0.0
571	98	1.39e-03	-0.01	-0.02	0.0	2.65e-06	0.0
571	105	1.28e-03	-0.02	-0.02	0.0	2.43e-06	0.0
571	107	1.31e-03	-9.95e-03	-0.02	0.0	2.50e-06	0.0
571	112	0.90	-0.40	-0.03	0.0	1.70e-03	-7.27e-05
571	129	0.50	-0.88	-0.05	0.0	9.46e-04	-4.38e-05
571	144	1.01	-0.45	-0.03	0.0	1.92e-03	-8.20e-05
571	161	0.56	-0.99	-0.06	0.0	1.07e-03	-4.96e-05
571	176	1.02	-0.45	-0.03	0.0	1.93e-03	-8.22e-05
571	193	0.58	-0.99	-0.05	0.0	1.09e-03	-5.08e-05
571	208	1.20	-0.53	-0.03	0.0	2.27e-03	-9.68e-05
571	225	0.69	-1.16	-0.06	0.0	1.31e-03	-6.09e-05
572	1	0.0	0.0	0.0	0.0	1.31e-06	0.0
572	65	0.0	0.0	0.0	0.0	0.0	0.0
572	97	0.0	0.0	0.0	0.0	1.53e-06	0.0
572	106	0.0	0.0	0.0	0.0	1.53e-06	0.0
572	108	0.0	0.0	0.0	0.0	1.39e-03	-3.66e-06
572	140	0.0	0.0	0.0	0.0	1.56e-03	-4.12e-06
572	172	0.0	0.0	0.0	0.0	1.57e-03	-4.11e-06
572	204	0.0	0.0	0.0	0.0	1.85e-03	-4.83e-06
573	28	4.63e-03	-0.17	-0.08	0.0	4.40e-06	0.0

573	44	3.68e-03	-0.26	-0.07	0.0	3.49e-06	0.0
573	52	4.92e-03	-0.03	-0.08	0.0	4.69e-06	0.0
573	80	3.21e-03	-0.11	-0.06	0.0	3.06e-06	0.0
573	88	2.58e-03	-0.17	-0.05	0.0	2.46e-06	0.0
573	92	3.41e-03	-0.02	-0.05	0.0	3.26e-06	0.0
573	98	2.78e-03	-0.02	-0.05	0.0	2.67e-06	0.0
573	105	2.55e-03	-0.05	-0.04	0.0	2.45e-06	0.0
573	107	2.62e-03	-0.02	-0.04	0.0	2.51e-06	0.0
573	112	1.79	-0.80	-0.06	0.0	1.69e-03	-1.48e-04
573	129	0.99	-1.76	-0.10	0.0	9.38e-04	-8.92e-05
573	144	2.02	-0.90	-0.06	0.0	1.90e-03	-1.67e-04
573	161	1.12	-1.98	-0.11	0.0	1.06e-03	-1.01e-04
573	176	2.03	-0.90	-0.06	0.0	1.91e-03	-1.68e-04
573	193	1.15	-1.98	-0.11	0.0	1.08e-03	-1.03e-04
573	208	2.39	-1.06	-0.06	0.0	2.25e-03	-1.98e-04
573	225	1.37	-2.33	-0.12	0.0	1.30e-03	-1.24e-04
574	28	6.92e-03	-0.25	-0.12	0.0	4.44e-06	0.0
574	44	5.50e-03	-0.38	-0.11	0.0	3.55e-06	0.0
574	52	7.38e-03	-0.05	-0.12	0.0	4.74e-06	0.0
574	80	4.81e-03	-0.17	-0.09	0.0	3.10e-06	0.0
574	88	3.86e-03	-0.26	-0.08	0.0	2.50e-06	0.0
574	92	5.11e-03	-0.03	-0.08	0.0	3.30e-06	0.0
574	98	4.19e-03	-0.03	-0.07	0.0	2.72e-06	0.0
574	105	3.84e-03	-0.07	-0.07	0.0	2.50e-06	0.0
574	107	3.94e-03	-0.03	-0.07	0.0	2.57e-06	0.0
574	112	2.67	-1.20	-0.09	0.0	1.66e-03	-2.23e-04
574	129	1.48	-2.64	-0.15	0.0	9.27e-04	-1.33e-04
574	144	3.01	-1.35	-0.09	0.0	1.88e-03	-2.51e-04
574	161	1.68	-2.98	-0.16	0.0	1.05e-03	-1.51e-04
574	176	3.03	-1.36	-0.09	0.0	1.88e-03	-2.52e-04
574	193	1.72	-2.98	-0.16	0.0	1.07e-03	-1.55e-04
574	208	3.57	-1.60	-0.09	0.0	2.22e-03	-2.97e-04
574	225	2.05	-3.51	-0.18	0.0	1.28e-03	-1.86e-04
575	28	9.24e-03	-0.33	-0.17	0.0	4.62e-06	0.0
575	44	7.36e-03	-0.51	-0.15	0.0	3.75e-06	0.0
575	52	9.86e-03	-0.06	-0.16	0.0	4.91e-06	0.0
575	80	6.43e-03	-0.22	-0.12	0.0	3.24e-06	0.0
575	88	5.17e-03	-0.34	-0.11	0.0	2.66e-06	0.0
575	92	6.84e-03	-0.04	-0.11	0.0	3.43e-06	0.0
575	98	5.62e-03	-0.03	-0.09	0.0	2.85e-06	0.0
575	105	5.15e-03	-0.09	-0.09	0.0	2.64e-06	0.0
575	107	5.29e-03	-0.03	-0.09	0.0	2.70e-06	0.0
575	112	3.54	-1.61	-0.12	0.0	1.64e-03	-2.98e-04
575	129	1.97	-3.53	-0.21	0.0	9.15e-04	-1.78e-04
575	144	3.99	-1.81	-0.12	0.0	1.85e-03	-3.36e-04
575	161	2.22	-3.98	-0.22	0.0	1.03e-03	-2.01e-04
575	176	4.01	-1.82	-0.12	0.0	1.86e-03	-3.37e-04
575	193	2.27	-3.99	-0.22	0.0	1.06e-03	-2.06e-04
575	208	4.72	-2.14	-0.12	0.0	2.19e-03	-3.97e-04
575	225	2.72	-4.70	-0.24	0.0	1.26e-03	-2.47e-04
576	28	2.11e-03	-0.08	-0.02	0.0	4.06e-06	0.0
576	44	1.73e-03	-0.13	-0.02	0.0	3.32e-06	0.0
576	52	2.19e-03	-0.02	-0.02	0.0	4.23e-06	0.0
576	80	1.46e-03	-0.06	-0.01	0.0	2.82e-06	0.0
576	88	1.21e-03	-0.09	-0.01	0.0	2.33e-06	0.0
576	92	1.52e-03	-0.01	-0.01	0.0	2.94e-06	0.0
576	98	1.25e-03	-0.01	-0.01	0.0	2.41e-06	0.0
576	105	1.16e-03	-0.02	-0.01	0.0	2.24e-06	0.0
576	107	1.17e-03	-9.58e-03	-0.01	0.0	2.28e-06	0.0
576	112	0.86	-0.40	-6.56e-03	0.0	1.63e-03	-7.41e-05
576	129	0.48	-0.88	-0.02	0.0	9.03e-04	-4.41e-05
576	144	0.97	-0.45	-5.94e-03	0.0	1.83e-03	-8.35e-05
576	161	0.54	-0.99	-0.02	0.0	1.02e-03	-4.98e-05
576	176	0.97	-0.45	-6.18e-03	0.0	1.84e-03	-8.37e-05
576	193	0.55	-0.99	-0.02	0.0	1.04e-03	-5.10e-05
576	208	1.15	-0.53	-5.36e-03	0.0	2.17e-03	-9.85e-05
576	225	0.66	-1.16	-0.02	0.0	1.24e-03	-6.11e-05
577	1	0.0	0.0	0.0	0.0	1.16e-06	0.0
577	65	0.0	0.0	0.0	0.0	0.0	0.0
577	97	0.0	0.0	0.0	0.0	1.43e-06	0.0
577	106	0.0	0.0	0.0	0.0	1.43e-06	0.0
577	108	0.0	0.0	0.0	0.0	1.32e-03	-3.76e-06
577	140	0.0	0.0	0.0	0.0	1.49e-03	-4.23e-06
577	172	0.0	0.0	0.0	0.0	1.50e-03	-4.23e-06
577	204	0.0	0.0	0.0	0.0	1.76e-03	-4.96e-06

578	28	4.24e-03	-0.17	-0.04	0.0	4.18e-06	-1.06e-06
578	44	3.47e-03	-0.25	-0.04	0.0	3.41e-06	0.0
578	52	4.42e-03	-0.03	-0.04	0.0	4.39e-06	-1.24e-06
578	80	2.95e-03	-0.11	-0.03	0.0	2.91e-06	0.0
578	88	2.44e-03	-0.17	-0.03	0.0	2.40e-06	0.0
578	92	3.07e-03	-0.02	-0.03	0.0	3.05e-06	0.0
578	98	2.52e-03	-0.02	-0.02	0.0	2.51e-06	0.0
578	105	2.34e-03	-0.05	-0.02	0.0	2.33e-06	0.0
578	107	2.38e-03	-0.02	-0.02	0.0	2.37e-06	0.0
578	112	1.71	-0.80	-0.01	0.0	1.61e-03	-1.51e-04
578	129	0.95	-1.76	-0.04	0.0	8.94e-04	-8.99e-05
578	144	1.93	-0.90	-0.01	0.0	1.81e-03	-1.71e-04
578	161	1.07	-1.98	-0.04	0.0	1.01e-03	-1.02e-04
578	176	1.94	-0.90	-0.01	0.0	1.82e-03	-1.71e-04
578	193	1.10	-1.98	-0.04	0.0	1.03e-03	-1.04e-04
578	208	2.28	-1.06	-0.01	0.0	2.15e-03	-2.01e-04
578	225	1.31	-2.33	-0.04	0.0	1.23e-03	-1.25e-04
579	28	6.48e-03	-0.25	-0.06	0.0	4.40e-06	-1.28e-06
579	44	5.29e-03	-0.38	-0.05	0.0	3.59e-06	0.0
579	52	6.78e-03	-0.05	-0.06	0.0	4.63e-06	-1.54e-06
579	80	4.51e-03	-0.17	-0.04	0.0	3.07e-06	0.0
579	88	3.72e-03	-0.26	-0.04	0.0	2.54e-06	0.0
579	92	4.71e-03	-0.03	-0.04	0.0	3.23e-06	-1.05e-06
579	98	3.88e-03	-0.03	-0.04	0.0	2.67e-06	0.0
579	105	3.59e-03	-0.07	-0.03	0.0	2.47e-06	0.0
579	107	3.66e-03	-0.03	-0.03	0.0	2.52e-06	0.0
579	112	2.55	-1.20	-0.02	0.0	1.59e-03	-2.27e-04
579	129	1.42	-2.64	-0.06	0.0	8.83e-04	-1.35e-04
579	144	2.87	-1.35	-0.02	0.0	1.79e-03	-2.56e-04
579	161	1.60	-2.98	-0.06	0.0	9.97e-04	-1.52e-04
579	176	2.89	-1.36	-0.02	0.0	1.79e-03	-2.57e-04
579	193	1.63	-2.99	-0.06	0.0	1.02e-03	-1.56e-04
579	208	3.40	-1.60	-0.02	0.0	2.11e-03	-3.03e-04
579	225	1.95	-3.51	-0.06	0.0	1.22e-03	-1.87e-04
580	28	8.89e-03	-0.33	-0.08	0.0	4.55e-06	-1.16e-06
580	44	7.27e-03	-0.51	-0.07	0.0	3.73e-06	0.0
580	52	9.32e-03	-0.06	-0.08	0.0	4.78e-06	-1.51e-06
580	80	6.20e-03	-0.22	-0.06	0.0	3.18e-06	0.0
580	88	5.12e-03	-0.34	-0.05	0.0	2.63e-06	0.0
580	92	6.48e-03	-0.04	-0.06	0.0	3.33e-06	-1.02e-06
580	98	5.34e-03	-0.03	-0.05	0.0	2.76e-06	0.0
580	105	4.95e-03	-0.09	-0.05	0.0	2.56e-06	0.0
580	107	5.04e-03	-0.03	-0.05	0.0	2.61e-06	0.0
580	112	3.38	-1.61	-0.03	0.0	1.56e-03	-3.04e-04
580	129	1.88	-3.53	-0.07	0.0	8.70e-04	-1.80e-04
580	144	3.80	-1.81	-0.03	0.0	1.76e-03	-3.43e-04
580	161	2.12	-3.98	-0.08	0.0	9.83e-04	-2.04e-04
580	176	3.82	-1.82	-0.03	0.0	1.77e-03	-3.44e-04
580	193	2.16	-3.99	-0.08	0.0	1.00e-03	-2.09e-04
580	208	4.50	-2.14	-0.02	0.0	2.08e-03	-4.05e-04
580	225	2.58	-4.70	-0.08	0.0	1.20e-03	-2.50e-04
581	28	1.68e-03	-0.08	-0.02	0.0	3.32e-06	-1.13e-06
581	44	1.43e-03	-0.13	-0.01	0.0	2.81e-06	0.0
581	52	1.70e-03	-0.02	-0.02	0.0	3.39e-06	-1.18e-06
581	80	1.17e-03	-0.06	-0.01	0.0	2.32e-06	0.0
581	88	1.01e-03	-0.08	-9.72e-03	0.0	1.98e-06	0.0
581	92	1.19e-03	-0.01	-0.01	0.0	2.36e-06	0.0
581	98	9.80e-04	-9.52e-03	-9.43e-03	0.0	1.95e-06	0.0
581	105	9.23e-04	-0.02	-8.96e-03	0.0	1.83e-06	0.0
581	107	9.28e-04	-9.09e-03	-8.92e-03	0.0	1.85e-06	0.0
581	112	0.82	-0.39	-7.99e-03	0.0	1.55e-03	-7.75e-05
581	127	0.04	-0.53	-0.01	0.0	7.06e-05	-3.34e-06
581	129	0.45	-0.87	-9.66e-03	0.0	8.59e-04	-4.51e-05
581	144	0.92	-0.44	-7.89e-03	0.0	1.75e-03	-8.73e-05
581	159	0.04	-0.60	-0.01	0.0	8.00e-05	-3.77e-06
581	161	0.51	-0.99	-9.75e-03	0.0	9.70e-04	-5.10e-05
581	176	0.93	-0.45	-8.02e-03	0.0	1.75e-03	-8.73e-05
581	191	0.04	-0.60	-0.01	0.0	8.34e-05	-4.20e-06
581	193	0.52	-0.99	-9.75e-03	0.0	9.90e-04	-5.21e-05
581	208	1.09	-0.52	-7.89e-03	0.0	2.06e-03	-1.03e-04
581	223	0.05	-0.70	-0.01	0.0	9.99e-05	-5.24e-06
581	225	0.62	-1.16	-9.89e-03	0.0	1.18e-03	-6.24e-05
582	1	0.0	0.0	0.0	0.0	0.0	0.0
582	65	0.0	0.0	0.0	0.0	0.0	0.0
582	97	0.0	0.0	0.0	0.0	1.19e-06	0.0

582	106	0.0	0.0	0.0	0.0	1.19e-06	0.0
582	108	0.0	0.0	0.0	0.0	1.26e-03	-3.99e-06
582	140	0.0	0.0	0.0	0.0	1.42e-03	-4.48e-06
582	172	0.0	0.0	0.0	0.0	1.42e-03	-4.47e-06
582	204	0.0	0.0	0.0	0.0	1.67e-03	-5.23e-06
583	28	3.42e-03	-0.17	-0.03	0.0	3.65e-06	-1.91e-06
583	44	2.90e-03	-0.25	-0.03	0.0	3.06e-06	-1.46e-06
583	52	3.49e-03	-0.03	-0.03	0.0	3.76e-06	-2.05e-06
583	80	2.39e-03	-0.11	-0.02	0.0	2.55e-06	-1.31e-06
583	88	2.04e-03	-0.17	-0.02	0.0	2.16e-06	-1.02e-06
583	92	2.43e-03	-0.02	-0.02	0.0	2.62e-06	-1.40e-06
583	98	2.01e-03	-0.02	-0.02	0.0	2.17e-06	-1.14e-06
583	105	1.89e-03	-0.05	-0.02	0.0	2.03e-06	-1.03e-06
583	107	1.90e-03	-0.02	-0.02	0.0	2.05e-06	-1.06e-06
583	112	1.63	-0.80	-0.02	0.0	1.53e-03	-1.57e-04
583	127	0.07	-1.06	-0.02	0.0	7.07e-05	-6.67e-06
583	129	0.90	-1.76	-0.02	0.0	8.50e-04	-9.14e-05
583	144	1.84	-0.90	-0.02	0.0	1.73e-03	-1.77e-04
583	159	0.08	-1.19	-0.02	0.0	8.00e-05	-7.56e-06
583	161	1.02	-1.98	-0.02	0.0	9.60e-04	-1.03e-04
583	176	1.84	-0.90	-0.02	0.0	1.73e-03	-1.77e-04
583	191	0.09	-1.19	-0.02	0.0	8.35e-05	-8.42e-06
583	193	1.04	-1.98	-0.02	0.0	9.79e-04	-1.06e-04
583	208	2.17	-1.06	-0.02	0.0	2.04e-03	-2.08e-04
583	223	0.10	-1.39	-0.02	0.0	1.00e-04	-1.05e-05
583	225	1.24	-2.33	-0.02	0.0	1.17e-03	-1.27e-04
584	28	5.45e-03	-0.25	-0.05	0.0	4.29e-06	-2.29e-06
584	44	4.59e-03	-0.38	-0.04	0.0	3.58e-06	-1.67e-06
584	52	5.59e-03	-0.05	-0.05	0.0	4.42e-06	-2.56e-06
584	80	3.81e-03	-0.17	-0.03	0.0	2.99e-06	-1.58e-06
584	88	3.23e-03	-0.26	-0.03	0.0	2.52e-06	-1.16e-06
584	92	3.90e-03	-0.03	-0.03	0.0	3.08e-06	-1.76e-06
584	98	3.22e-03	-0.03	-0.03	0.0	2.55e-06	-1.42e-06
584	105	3.02e-03	-0.07	-0.03	0.0	2.38e-06	-1.27e-06
584	107	3.05e-03	-0.03	-0.03	0.0	2.41e-06	-1.33e-06
584	112	2.43	-1.20	-0.02	0.0	1.51e-03	-2.33e-04
584	127	0.11	-1.59	-0.03	0.0	7.06e-05	-9.87e-06
584	129	1.35	-2.64	-0.03	0.0	8.38e-04	-1.36e-04
584	144	2.74	-1.35	-0.02	0.0	1.70e-03	-2.62e-04
584	159	0.13	-1.79	-0.03	0.0	7.99e-05	-1.12e-05
584	161	1.52	-2.98	-0.03	0.0	9.46e-04	-1.54e-04
584	176	2.75	-1.36	-0.02	0.0	1.70e-03	-2.63e-04
584	191	0.13	-1.79	-0.03	0.0	8.33e-05	-1.25e-05
584	193	1.55	-2.99	-0.03	0.0	9.65e-04	-1.58e-04
584	208	3.23	-1.60	-0.02	0.0	2.00e-03	-3.10e-04
584	223	0.16	-2.09	-0.03	0.0	9.98e-05	-1.57e-05
584	225	1.85	-3.51	-0.03	0.0	1.15e-03	-1.89e-04
585	28	7.93e-03	-0.33	-0.06	0.0	4.92e-06	-2.19e-06
585	44	6.66e-03	-0.50	-0.05	0.0	4.11e-06	-1.48e-06
585	52	8.15e-03	-0.06	-0.06	0.0	5.07e-06	-2.60e-06
585	80	5.54e-03	-0.22	-0.04	0.0	3.43e-06	-1.52e-06
585	88	4.69e-03	-0.34	-0.04	0.0	2.89e-06	-1.04e-06
585	92	5.68e-03	-0.04	-0.04	0.0	3.53e-06	-1.79e-06
585	98	4.70e-03	-0.03	-0.04	0.0	2.91e-06	-1.45e-06
585	105	4.40e-03	-0.09	-0.03	0.0	2.72e-06	-1.27e-06
585	107	4.44e-03	-0.03	-0.03	0.0	2.75e-06	-1.36e-06
585	112	3.21	-1.60	-0.03	0.0	1.48e-03	-3.09e-04
585	127	0.15	-2.13	-0.04	0.0	7.00e-05	-1.30e-05
585	129	1.78	-3.53	-0.04	0.0	8.25e-04	-1.81e-04
585	144	3.62	-1.81	-0.03	0.0	1.67e-03	-3.49e-04
585	159	0.17	-2.39	-0.04	0.0	7.92e-05	-1.48e-05
585	161	2.01	-3.98	-0.04	0.0	9.32e-04	-2.05e-04
585	176	3.63	-1.81	-0.03	0.0	1.67e-03	-3.50e-04
585	191	0.18	-2.39	-0.04	0.0	8.27e-05	-1.65e-05
585	193	2.05	-3.99	-0.04	0.0	9.50e-04	-2.10e-04
585	208	4.28	-2.14	-0.03	0.0	1.97e-03	-4.12e-04
585	223	0.21	-2.79	-0.04	0.0	9.90e-05	-2.08e-05
585	225	2.45	-4.70	-0.04	0.0	1.13e-03	-2.52e-04
586	28	8.82e-04	-0.08	-0.02	0.0	2.05e-06	-2.17e-06
586	44	7.81e-04	-0.13	-0.02	0.0	1.81e-06	-1.89e-06
586	52	8.87e-04	-0.02	-0.02	0.0	2.05e-06	-2.07e-06
586	80	6.24e-04	-0.06	-0.01	0.0	1.44e-06	-1.49e-06
586	88	5.56e-04	-0.08	-0.01	0.0	1.28e-06	-1.31e-06
586	92	6.27e-04	-0.01	-0.01	0.0	1.44e-06	-1.42e-06
586	98	5.25e-04	-9.00e-03	-0.01	0.0	1.20e-06	-1.16e-06

586	105	5.02e-04	-0.02	-0.01	0.0	1.15e-06	-1.11e-06
586	107	5.03e-04	-8.59e-03	-0.01	0.0	1.15e-06	-1.09e-06
586	112	0.78	-0.39	-0.01	0.0	1.47e-03	-8.56e-05
586	113	0.63	-0.75	-0.02	0.0	1.18e-03	-6.99e-05
586	129	0.43	-0.87	-0.01	0.0	8.15e-04	-4.85e-05
586	144	0.88	-0.44	-0.01	0.0	1.66e-03	-9.63e-05
586	145	0.70	-0.85	-0.02	0.0	1.33e-03	-7.85e-05
586	161	0.49	-0.98	-0.01	0.0	9.21e-04	-5.48e-05
586	176	0.88	-0.44	-0.01	0.0	1.66e-03	-9.62e-05
586	177	0.71	-0.84	-0.02	0.0	1.34e-03	-7.82e-05
586	193	0.49	-0.99	-0.01	0.0	9.37e-04	-5.60e-05
586	208	1.03	-0.52	-0.02	0.0	1.96e-03	-1.13e-04
586	209	0.83	-0.98	-0.02	0.0	1.57e-03	-9.16e-05
586	225	0.59	-1.16	-0.01	0.0	1.12e-03	-6.69e-05
587	1	0.0	0.0	0.0	0.0	0.0	0.0
587	65	0.0	0.0	0.0	0.0	0.0	0.0
587	97	0.0	0.0	0.0	0.0	0.0	0.0
587	106	0.0	0.0	0.0	0.0	0.0	0.0
587	108	0.0	0.0	0.0	0.0	1.19e-03	-4.51e-06
587	140	0.0	0.0	0.0	0.0	1.34e-03	-5.05e-06
587	172	0.0	0.0	0.0	0.0	1.35e-03	-5.03e-06
587	204	0.0	0.0	0.0	0.0	1.58e-03	-5.88e-06
588	28	2.00e-03	-0.17	-0.04	0.0	2.81e-06	-2.96e-06
588	44	1.76e-03	-0.25	-0.03	0.0	2.47e-06	-2.46e-06
588	80	1.41e-03	-0.11	-0.03	0.0	1.97e-06	-2.04e-06
588	88	1.25e-03	-0.17	-0.02	0.0	1.74e-06	-1.71e-06
588	98	1.17e-03	-0.02	-0.02	0.0	1.62e-06	-1.67e-06
588	105	1.12e-03	-0.05	-0.02	0.0	1.54e-06	-1.55e-06
588	107	1.12e-03	-0.02	-0.02	0.0	1.54e-06	-1.56e-06
588	112	1.55	-0.79	-0.03	0.0	1.45e-03	-1.67e-04
588	113	1.24	-1.52	-0.03	0.0	1.17e-03	-1.36e-04
588	129	0.86	-1.76	-0.02	0.0	8.07e-04	-9.50e-05
588	144	1.74	-0.89	-0.03	0.0	1.64e-03	-1.88e-04
588	145	1.40	-1.71	-0.03	0.0	1.32e-03	-1.53e-04
588	161	0.97	-1.98	-0.03	0.0	9.11e-04	-1.07e-04
588	176	1.75	-0.90	-0.03	0.0	1.64e-03	-1.88e-04
588	177	1.40	-1.69	-0.03	0.0	1.32e-03	-1.52e-04
588	193	0.99	-1.98	-0.03	0.0	9.28e-04	-1.10e-04
588	208	2.06	-1.06	-0.03	0.0	1.93e-03	-2.21e-04
588	209	1.65	-1.97	-0.03	0.0	1.55e-03	-1.79e-04
588	225	1.17	-2.33	-0.03	0.0	1.11e-03	-1.31e-04
589	28	3.70e-03	-0.25	-0.05	0.0	4.09e-06	-3.14e-06
589	44	3.26e-03	-0.38	-0.04	0.0	3.55e-06	-2.41e-06
589	80	2.60e-03	-0.17	-0.04	0.0	2.85e-06	-2.17e-06
589	88	2.30e-03	-0.25	-0.03	0.0	2.49e-06	-1.68e-06
589	98	2.14e-03	-0.03	-0.03	0.0	2.33e-06	-1.90e-06
589	105	2.05e-03	-0.07	-0.03	0.0	2.22e-06	-1.72e-06
589	107	2.04e-03	-0.03	-0.03	0.0	2.21e-06	-1.78e-06
589	109	2.30	-2.37	-0.04	0.0	1.42e-03	-2.38e-04
589	112	2.30	-1.20	-0.04	0.0	1.43e-03	-2.39e-04
589	129	1.28	-2.64	-0.04	0.0	7.95e-04	-1.37e-04
589	141	2.59	-2.67	-0.04	0.0	1.61e-03	-2.68e-04
589	144	2.60	-1.35	-0.04	0.0	1.61e-03	-2.69e-04
589	161	1.44	-2.98	-0.04	0.0	8.97e-04	-1.55e-04
589	173	2.60	-2.66	-0.04	0.0	1.61e-03	-2.68e-04
589	176	2.60	-1.35	-0.04	0.0	1.61e-03	-2.69e-04
589	193	1.47	-2.99	-0.04	0.0	9.14e-04	-1.58e-04
589	205	3.06	-3.11	-0.04	0.0	1.89e-03	-3.15e-04
589	208	3.06	-1.59	-0.04	0.0	1.90e-03	-3.16e-04
589	225	1.75	-3.52	-0.04	0.0	1.09e-03	-1.90e-04
590	28	6.25e-03	-0.33	-0.07	0.0	5.56e-06	-3.20e-06
590	44	5.46e-03	-0.50	-0.06	0.0	4.77e-06	-2.25e-06
590	80	4.37e-03	-0.22	-0.05	0.0	3.87e-06	-2.22e-06
590	88	3.85e-03	-0.34	-0.04	0.0	3.34e-06	-1.59e-06
590	98	3.60e-03	-0.03	-0.04	0.0	3.19e-06	-2.11e-06
590	105	3.43e-03	-0.09	-0.04	0.0	3.01e-06	-1.86e-06
590	107	3.42e-03	-0.03	-0.04	0.0	3.01e-06	-1.97e-06
590	109	3.04	-3.17	-0.05	0.0	1.40e-03	-3.09e-04
590	112	3.05	-1.60	-0.05	0.0	1.40e-03	-3.10e-04
590	129	1.69	-3.53	-0.05	0.0	7.81e-04	-1.80e-04
590	141	3.42	-3.57	-0.05	0.0	1.58e-03	-3.48e-04
590	144	3.43	-1.81	-0.05	0.0	1.58e-03	-3.49e-04
590	161	1.91	-3.98	-0.05	0.0	8.82e-04	-2.03e-04
590	173	3.43	-3.55	-0.05	0.0	1.58e-03	-3.49e-04
590	176	3.44	-1.81	-0.05	0.0	1.58e-03	-3.50e-04

590	193	1.95	-3.99	-0.05	0.0	8.98e-04	-2.08e-04
590	205	4.04	-4.16	-0.06	0.0	1.86e-03	-4.10e-04
590	208	4.05	-2.13	-0.05	0.0	1.86e-03	-4.12e-04
590	225	2.32	-4.70	-0.05	0.0	1.07e-03	-2.49e-04
591	3	-8.32e-04	0.05	-0.05	0.0	0.0	-3.08e-06
591	28	-7.45e-04	-0.08	-0.05	0.0	0.0	-4.10e-06
591	44	-6.79e-04	-0.12	-0.04	0.0	0.0	-3.78e-06
591	67	-5.55e-04	0.04	-0.03	0.0	0.0	-2.15e-06
591	80	-4.97e-04	-0.05	-0.03	0.0	0.0	-2.83e-06
591	88	-4.53e-04	-0.08	-0.03	0.0	0.0	-2.61e-06
591	98	-3.28e-04	-8.59e-03	-0.03	0.0	0.0	-2.10e-06
591	103	-3.39e-04	6.88e-03	-0.03	0.0	0.0	-1.86e-06
591	105	-3.22e-04	-0.02	-0.03	0.0	0.0	-2.06e-06
591	107	-2.95e-04	-8.20e-03	-0.03	0.0	0.0	-1.97e-06
591	115	-0.73	0.37	-0.01	0.0	-1.38e-03	9.70e-05
591	124	-0.04	0.51	-0.04	0.0	-7.08e-05	0.0
591	129	0.40	-0.87	-0.02	0.0	7.69e-04	-5.59e-05
591	147	-0.82	0.42	-0.01	0.0	-1.56e-03	1.10e-04
591	156	-0.04	0.58	-0.05	0.0	-8.02e-05	0.0
591	161	0.46	-0.98	-0.02	0.0	8.68e-04	-6.29e-05
591	179	-0.82	0.43	-0.01	0.0	-1.56e-03	1.09e-04
591	188	-0.04	0.58	-0.04	0.0	-8.21e-05	0.0
591	193	0.46	-0.99	-0.02	0.0	8.83e-04	-6.44e-05
591	211	-0.97	0.50	-0.01	0.0	-1.84e-03	1.29e-04
591	220	-0.05	0.68	-0.05	0.0	-9.76e-05	1.80e-06
591	225	0.55	-1.16	-0.01	0.0	1.05e-03	-7.69e-05
592	1	0.0	0.0	0.0	0.0	0.0	0.0
592	65	0.0	0.0	0.0	0.0	0.0	0.0
592	97	0.0	0.0	0.0	0.0	0.0	0.0
592	106	0.0	0.0	0.0	0.0	0.0	0.0
592	108	0.0	0.0	0.0	0.0	1.12e-03	-5.36e-06
592	140	0.0	0.0	0.0	0.0	1.26e-03	-5.98e-06
592	172	0.0	0.0	0.0	0.0	1.26e-03	-5.95e-06
592	204	0.0	0.0	0.0	0.0	1.48e-03	-6.91e-06
593	21	-1.04e-03	0.21	-0.05	0.0	0.0	-1.87e-06
593	28	-1.41e-04	-0.17	-0.08	0.0	2.18e-06	-4.03e-06
593	44	-6.38e-05	-0.25	-0.07	0.0	2.12e-06	-3.52e-06
593	74	-6.41e-04	0.13	-0.05	0.0	0.0	-1.71e-06
593	80	-6.49e-05	-0.11	-0.06	0.0	1.53e-06	-2.77e-06
593	88	-1.37e-05	-0.17	-0.05	0.0	1.49e-06	-2.43e-06
593	98	2.93e-06	-0.02	-0.05	0.0	1.14e-06	-2.15e-06
593	99	1.91e-04	-0.01	-0.03	0.0	0.0	-1.19e-06
593	105	1.62e-05	-0.05	-0.05	0.0	1.14e-06	-2.06e-06
593	106	1.75e-04	-0.01	-0.03	0.0	0.0	-1.17e-06
593	107	2.75e-05	-0.02	-0.04	0.0	1.09e-06	-2.01e-06
593	108	1.17	-0.74	-0.08	0.0	1.11e-03	-1.49e-04
593	112	1.46	-0.79	-0.07	0.0	1.38e-03	-1.81e-04
593	129	0.81	-1.76	-0.03	0.0	7.66e-04	-1.01e-04
593	140	1.32	-0.83	-0.08	0.0	1.25e-03	-1.67e-04
593	144	1.64	-0.89	-0.08	0.0	1.55e-03	-2.03e-04
593	161	0.91	-1.98	-0.03	0.0	8.65e-04	-1.14e-04
593	172	1.32	-0.83	-0.08	0.0	1.25e-03	-1.66e-04
593	176	1.64	-0.90	-0.07	0.0	1.56e-03	-2.03e-04
593	193	0.93	-1.98	-0.03	0.0	8.79e-04	-1.16e-04
593	204	1.56	-0.97	-0.08	0.0	1.47e-03	-1.95e-04
593	208	1.94	-1.05	-0.08	0.0	1.83e-03	-2.38e-04
593	225	1.11	-2.33	-0.02	0.0	1.05e-03	-1.39e-04
594	28	1.57e-03	-0.25	-0.11	0.0	3.91e-06	-3.11e-06
594	35	1.63e-03	-0.24	-0.10	0.0	3.59e-06	-2.61e-06
594	44	1.60e-03	-0.38	-0.09	0.0	3.67e-06	-2.40e-06
594	80	1.13e-03	-0.17	-0.08	0.0	2.71e-06	-2.14e-06
594	83	1.16e-03	-0.16	-0.07	0.0	2.50e-06	-1.81e-06
594	88	1.14e-03	-0.25	-0.07	0.0	2.56e-06	-1.67e-06
594	98	8.70e-04	-0.03	-0.06	0.0	2.03e-06	-1.85e-06
594	101	8.88e-04	-0.03	-0.06	0.0	1.97e-06	-1.74e-06
594	105	8.88e-04	-0.07	-0.06	0.0	2.01e-06	-1.68e-06
594	107	8.51e-04	-0.02	-0.06	0.0	1.92e-06	-1.73e-06
594	108	1.75	-1.12	-0.11	0.0	1.09e-03	-1.99e-04
594	112	2.18	-1.20	-0.10	0.0	1.36e-03	-2.43e-04
594	129	1.21	-2.64	-0.04	0.0	7.56e-04	-1.37e-04
594	140	1.98	-1.26	-0.12	0.0	1.23e-03	-2.24e-04
594	144	2.46	-1.35	-0.11	0.0	1.53e-03	-2.74e-04
594	161	1.37	-2.98	-0.04	0.0	8.53e-04	-1.55e-04
594	172	1.98	-1.25	-0.11	0.0	1.23e-03	-2.22e-04
594	176	2.46	-1.35	-0.11	0.0	1.53e-03	-2.73e-04

594	193	1.39	-2.99	-0.04	0.0	8.67e-04	-1.58e-04
594	204	2.33	-1.46	-0.12	0.0	1.45e-03	-2.61e-04
594	208	2.89	-1.59	-0.12	0.0	1.80e-03	-3.21e-04
594	225	1.65	-3.52	-0.03	0.0	1.03e-03	-1.89e-04
595	28	3.96e-03	-0.33	-0.13	0.0	5.72e-06	-3.45e-06
595	44	3.84e-03	-0.50	-0.12	0.0	5.13e-06	-2.35e-06
595	80	2.78e-03	-0.22	-0.09	0.0	3.97e-06	-2.40e-06
595	88	2.70e-03	-0.34	-0.08	0.0	3.57e-06	-1.67e-06
595	98	2.09e-03	-0.03	-0.08	0.0	3.10e-06	-2.33e-06
595	105	2.10e-03	-0.09	-0.07	0.0	2.99e-06	-2.04e-06
595	107	2.01e-03	-0.03	-0.07	0.0	2.92e-06	-2.18e-06
595	108	2.32	-1.50	-0.14	0.0	1.07e-03	-2.48e-04
595	112	2.89	-1.60	-0.13	0.0	1.33e-03	-3.04e-04
595	129	1.60	-3.53	-0.05	0.0	7.39e-04	-1.75e-04
595	140	2.62	-1.68	-0.15	0.0	1.20e-03	-2.79e-04
595	144	3.25	-1.80	-0.14	0.0	1.50e-03	-3.43e-04
595	161	1.81	-3.98	-0.05	0.0	8.35e-04	-1.98e-04
595	172	2.62	-1.67	-0.15	0.0	1.20e-03	-2.78e-04
595	176	3.26	-1.81	-0.14	0.0	1.50e-03	-3.43e-04
595	193	1.84	-3.99	-0.05	0.0	8.48e-04	-2.02e-04
595	204	3.08	-1.96	-0.16	0.0	1.42e-03	-3.26e-04
595	208	3.83	-2.13	-0.15	0.0	1.76e-03	-4.03e-04
595	225	2.19	-4.70	-0.04	0.0	1.01e-03	-2.42e-04
596	28	-4.72e-03	-0.08	-0.07	1.56e-04	0.0	0.0
596	44	-4.42e-03	-0.12	-0.07	2.39e-04	0.0	2.32e-06
596	80	-3.24e-03	-0.05	-0.05	1.05e-04	0.0	0.0
596	88	-3.04e-03	-0.08	-0.05	1.60e-04	0.0	1.44e-06
596	98	-2.33e-03	-8.22e-03	-0.04	1.60e-05	0.0	-1.37e-06
596	105	-2.30e-03	-0.02	-0.04	4.40e-05	0.0	0.0
596	107	-2.18e-03	-7.85e-03	-0.04	1.53e-05	0.0	-1.33e-06
596	113	0.53	-0.75	-0.17	1.44e-03	0.0	-1.48e-05
596	115	-0.67	0.37	0.06	-7.22e-04	0.0	3.19e-05
596	129	0.37	-0.87	-0.10	1.67e-03	0.0	1.91e-05
596	145	0.60	-0.84	-0.19	1.62e-03	0.0	-1.65e-05
596	147	-0.76	0.42	0.07	-8.17e-04	0.0	3.61e-05
596	161	0.42	-0.98	-0.11	1.88e-03	0.0	2.15e-05
596	177	0.60	-0.83	-0.19	1.61e-03	0.0	-1.61e-05
596	179	-0.76	0.42	0.07	-8.20e-04	0.0	3.54e-05
596	193	0.43	-0.99	-0.12	1.89e-03	0.0	2.00e-05
596	209	0.71	-0.97	-0.21	1.88e-03	0.0	-1.85e-05
596	211	-0.89	0.50	0.09	-9.70e-04	0.0	4.16e-05
596	225	0.51	-1.16	-0.13	2.22e-03	0.0	2.29e-05
597	1	0.0	0.0	0.0	-1.15e-04	0.0	0.0
597	65	0.0	0.0	0.0	-7.58e-05	0.0	0.0
597	97	0.0	0.0	0.0	1.08e-05	0.0	0.0
597	106	0.0	0.0	0.0	1.08e-05	0.0	0.0
597	108	0.0	0.0	0.0	6.93e-04	0.0	-2.20e-06
597	140	0.0	0.0	0.0	7.79e-04	0.0	-2.45e-06
597	172	0.0	0.0	0.0	7.73e-04	0.0	-2.40e-06
597	204	0.0	0.0	0.0	9.04e-04	0.0	-2.76e-06
598	28	-3.05e-03	-0.17	-0.13	1.56e-04	0.0	-5.23e-06
598	44	-2.67e-03	-0.25	-0.12	2.40e-04	0.0	-1.81e-06
598	80	-2.06e-03	-0.11	-0.09	1.05e-04	0.0	-3.85e-06
598	88	-1.81e-03	-0.17	-0.08	1.61e-04	0.0	-1.57e-06
598	98	-1.50e-03	-0.02	-0.07	1.49e-05	0.0	-5.35e-06
598	105	-1.44e-03	-0.05	-0.07	4.32e-05	0.0	-4.32e-06
598	107	-1.38e-03	-0.02	-0.07	1.42e-05	0.0	-5.13e-06
598	113	1.09	-1.52	-0.29	1.46e-03	0.0	-5.40e-05
598	115	-1.36	0.76	0.10	-7.35e-04	0.0	7.81e-05
598	129	0.76	-1.76	-0.18	1.68e-03	0.0	2.48e-05
598	145	1.23	-1.71	-0.32	1.64e-03	0.0	-6.02e-05
598	147	-1.54	0.86	0.13	-8.31e-04	0.0	8.86e-05
598	161	0.85	-1.98	-0.19	1.90e-03	0.0	2.82e-05
598	177	1.23	-1.69	-0.32	1.63e-03	0.0	-5.98e-05
598	179	-1.54	0.86	0.13	-8.35e-04	0.0	8.82e-05
598	193	0.87	-1.98	-0.20	1.90e-03	0.0	2.53e-05
598	209	1.44	-1.97	-0.37	1.90e-03	0.0	-6.93e-05
598	211	-1.81	1.02	0.16	-9.88e-04	0.0	1.04e-04
598	225	1.03	-2.33	-0.22	2.24e-03	0.0	2.89e-05
599	21	-1.77e-03	0.32	-0.09	-2.09e-04	0.0	-1.55e-05
599	28	2.12e-04	-0.25	-0.18	1.51e-04	0.0	-8.82e-06
599	44	5.79e-04	-0.38	-0.16	2.36e-04	0.0	-4.37e-06
599	74	-1.06e-03	0.20	-0.08	-1.36e-04	0.0	-1.24e-05
599	80	1.99e-04	-0.17	-0.12	1.01e-04	0.0	-6.41e-06
599	88	4.44e-04	-0.25	-0.11	1.58e-04	0.0	-3.45e-06

599	98	7.04e-05	-0.03	-0.10	1.14e-05	0.0	-7.97e-06
599	104	4.28e-04	-0.06	-0.06	3.67e-05	0.0	-4.63e-06
599	105	1.71e-04	-0.07	-0.09	4.00e-05	0.0	-6.66e-06
599	106	3.70e-04	-0.02	-0.06	7.40e-06	0.0	-5.61e-06
599	107	1.13e-04	-0.02	-0.09	1.08e-05	0.0	-7.64e-06
599	112	2.06	-1.20	-0.32	7.67e-04	0.0	-1.46e-04
599	113	1.65	-2.29	-0.39	1.47e-03	0.0	-9.97e-05
599	129	1.15	-2.64	-0.24	1.69e-03	0.0	2.33e-05
599	144	2.32	-1.35	-0.35	8.64e-04	0.0	-1.63e-04
599	145	1.86	-2.58	-0.43	1.65e-03	0.0	-1.11e-04
599	161	1.29	-2.98	-0.26	1.90e-03	0.0	2.68e-05
599	176	2.32	-1.35	-0.35	8.68e-04	0.0	-1.63e-04
599	177	1.86	-2.55	-0.43	1.64e-03	0.0	-1.11e-04
599	193	1.31	-2.99	-0.26	1.91e-03	0.0	2.29e-05
599	208	2.73	-1.59	-0.39	1.02e-03	0.0	-1.90e-04
599	209	2.18	-2.98	-0.49	1.91e-03	0.0	-1.29e-04
599	225	1.56	-3.52	-0.30	2.25e-03	0.0	2.59e-05
600	28	2.48e-03	-0.33	-0.23	1.44e-04	0.0	-9.02e-06
600	44	2.97e-03	-0.50	-0.21	2.31e-04	0.0	-4.14e-06
600	80	1.75e-03	-0.22	-0.16	9.64e-05	0.0	-6.59e-06
600	88	2.08e-03	-0.34	-0.14	1.54e-04	0.0	-3.34e-06
600	98	1.02e-03	-0.03	-0.13	6.60e-06	0.0	-8.48e-06
600	105	1.19e-03	-0.09	-0.12	3.57e-05	0.0	-7.03e-06
600	107	1.00e-03	-0.03	-0.12	6.23e-06	0.0	-8.13e-06
600	112	2.74	-1.60	-0.39	7.65e-04	0.0	-2.06e-04
600	113	2.19	-3.07	-0.46	1.47e-03	0.0	-1.51e-04
600	129	1.52	-3.53	-0.30	1.69e-03	0.0	1.76e-05
600	144	3.09	-1.80	-0.42	8.63e-04	0.0	-2.31e-04
600	145	2.47	-3.45	-0.51	1.66e-03	0.0	-1.69e-04
600	161	1.72	-3.98	-0.32	1.90e-03	0.0	2.04e-05
600	176	3.09	-1.81	-0.42	8.67e-04	0.0	-2.31e-04
600	177	2.47	-3.41	-0.51	1.64e-03	0.0	-1.68e-04
600	193	1.74	-3.99	-0.33	1.91e-03	0.0	1.63e-05
600	208	3.63	-2.13	-0.47	1.02e-03	0.0	-2.70e-04
600	209	2.90	-3.99	-0.57	1.92e-03	0.0	-1.96e-04
600	225	2.07	-4.70	-0.37	2.25e-03	0.0	1.79e-05
601	4	0.03	0.24	-0.38	0.0	1.14e-05	-6.24e-06
601	44	0.02	-0.63	-0.27	0.0	8.65e-06	-4.45e-06
601	52	0.03	-0.09	-0.35	0.0	1.25e-05	-6.22e-06
601	68	0.02	0.16	-0.26	0.0	7.92e-06	-4.40e-06
601	88	0.02	-0.42	-0.19	0.0	6.11e-06	-3.21e-06
601	92	0.02	-0.06	-0.25	0.0	8.69e-06	-4.39e-06
601	98	0.02	-0.05	-0.21	0.0	7.13e-06	-3.70e-06
601	105	0.02	-0.12	-0.19	0.0	6.46e-06	-3.39e-06
601	107	0.02	-0.05	-0.20	0.0	6.73e-06	-3.53e-06
601	112	6.03	-1.95	-0.36	0.0	2.31e-03	-3.13e-04
601	129	3.41	-4.26	0.07	0.0	1.30e-03	-1.93e-04
601	130	-3.38	4.16	-0.47	0.0	-1.28e-03	1.86e-04
601	144	6.80	-2.20	-0.38	0.0	2.61e-03	-3.52e-04
601	161	3.85	-4.80	0.10	0.0	1.47e-03	-2.18e-04
601	162	-3.82	4.70	-0.50	0.0	-1.45e-03	2.11e-04
601	176	6.85	-2.21	-0.37	0.0	2.63e-03	-3.52e-04
601	193	3.97	-4.82	0.10	0.0	1.51e-03	-2.23e-04
601	194	-3.93	4.72	-0.50	0.0	-1.50e-03	2.16e-04
601	216	8.21	-2.95	-0.13	0.0	3.12e-03	-4.62e-04
601	225	4.75	-5.67	0.15	0.0	1.81e-03	-2.66e-04
601	226	-4.72	5.57	-0.55	0.0	-1.80e-03	2.59e-04
602	4	0.03	0.29	-0.51	0.0	1.10e-05	-7.91e-06
602	44	0.03	-0.73	-0.37	0.0	8.55e-06	-5.45e-06
602	52	0.04	-0.10	-0.48	0.0	1.23e-05	-7.79e-06
602	68	0.02	0.19	-0.36	0.0	7.70e-06	-5.58e-06
602	88	0.02	-0.49	-0.26	0.0	6.04e-06	-3.94e-06
602	92	0.03	-0.07	-0.34	0.0	8.52e-06	-5.50e-06
602	98	0.02	-0.06	-0.28	0.0	6.98e-06	-4.64e-06
602	105	0.02	-0.14	-0.26	0.0	6.33e-06	-4.25e-06
602	107	0.02	-0.05	-0.27	0.0	6.58e-06	-4.44e-06
602	112	7.03	-2.29	-0.46	0.0	2.29e-03	-3.67e-04
602	129	3.97	-5.01	0.04	0.0	1.28e-03	-2.25e-04
602	130	-3.93	4.90	-0.58	0.0	-1.27e-03	2.16e-04
602	144	7.92	-2.58	-0.48	0.0	2.59e-03	-4.13e-04
602	161	4.48	-5.64	0.08	0.0	1.45e-03	-2.54e-04
602	162	-4.45	5.53	-0.62	0.0	-1.44e-03	2.45e-04
602	176	7.98	-2.59	-0.47	0.0	2.61e-03	-4.12e-04
602	193	4.61	-5.66	0.08	0.0	1.49e-03	-2.59e-04
602	194	-4.57	5.55	-0.62	0.0	-1.48e-03	2.50e-04

602	216	9.55	-3.46	-0.18	0.0	3.09e-03	-5.36e-04
602	225	5.53	-6.66	0.14	0.0	1.79e-03	-3.09e-04
602	226	-5.49	6.55	-0.68	0.0	-1.78e-03	3.00e-04
603	4	0.04	0.37	-0.74	-4.12e-04	4.61e-05	-1.02e-05
603	44	0.03	-0.82	-0.54	-2.47e-04	1.75e-04	-7.01e-06
603	52	0.04	-0.08	-0.70	-3.66e-04	7.87e-05	-9.96e-06
603	68	0.03	0.24	-0.52	-2.89e-04	3.37e-05	-7.23e-06
603	88	0.02	-0.55	-0.39	-1.79e-04	1.20e-04	-5.08e-06
603	92	0.03	-0.06	-0.49	-2.58e-04	5.54e-05	-7.05e-06
603	98	0.02	-0.05	-0.41	-2.21e-04	4.59e-05	-5.97e-06
603	105	0.02	-0.15	-0.38	-2.02e-04	5.80e-05	-5.47e-06
603	107	0.02	-0.05	-0.39	-2.12e-04	4.39e-05	-5.71e-06
603	112	8.02	-2.61	-0.61	-5.15e-04	1.11e-03	-4.18e-04
603	129	4.52	-5.74	-0.03	3.23e-04	6.42e-04	-2.55e-04
603	130	-4.47	5.65	-0.75	-7.46e-04	-5.54e-04	2.43e-04
603	144	9.03	-2.94	-0.64	-5.52e-04	1.25e-03	-4.70e-04
603	161	5.11	-6.47	0.01	3.90e-04	7.20e-04	-2.87e-04
603	162	-5.06	6.37	-0.80	-8.13e-04	-6.33e-04	2.76e-04
603	176	9.10	-2.95	-0.63	-5.38e-04	1.26e-03	-4.70e-04
603	193	5.26	-6.49	6.68e-03	3.82e-04	7.38e-04	-2.93e-04
603	194	-5.21	6.39	-0.79	-8.06e-04	-6.50e-04	2.82e-04
603	216	10.88	-3.95	-0.28	-8.46e-05	1.47e-03	-6.05e-04
603	225	6.30	-7.64	0.07	4.82e-04	8.75e-04	-3.50e-04
603	226	-6.26	7.54	-0.86	-9.05e-04	-7.88e-04	3.38e-04
604	4	0.02	0.25	-0.29	0.0	9.71e-06	-5.94e-06
604	44	0.02	-0.62	-0.23	0.0	7.53e-06	-4.31e-06
604	52	0.03	-0.09	-0.28	0.0	1.09e-05	-5.97e-06
604	68	0.02	0.16	-0.21	0.0	6.76e-06	-4.19e-06
604	88	0.01	-0.42	-0.16	0.0	5.30e-06	-3.10e-06
604	92	0.02	-0.06	-0.20	0.0	7.56e-06	-4.21e-06
604	98	0.02	-0.05	-0.17	0.0	6.17e-06	-3.54e-06
604	105	0.01	-0.12	-0.16	0.0	5.58e-06	-3.25e-06
604	107	0.01	-0.05	-0.16	0.0	5.81e-06	-3.38e-06
604	112	5.86	-1.95	-0.24	0.0	2.25e-03	-3.14e-04
604	129	3.31	-4.26	-0.03	0.0	1.26e-03	-1.94e-04
604	130	-3.28	4.17	-0.29	0.0	-1.25e-03	1.87e-04
604	144	6.60	-2.20	-0.25	0.0	2.53e-03	-3.53e-04
604	161	3.74	-4.80	-0.01	0.0	1.42e-03	-2.19e-04
604	162	-3.71	4.70	-0.31	0.0	-1.41e-03	2.12e-04
604	176	6.65	-2.21	-0.24	0.0	2.55e-03	-3.53e-04
604	193	3.84	-4.82	-0.01	0.0	1.46e-03	-2.23e-04
604	194	-3.81	4.72	-0.31	0.0	-1.45e-03	2.17e-04
604	216	7.94	-2.95	-0.12	0.0	3.02e-03	-4.64e-04
604	225	4.61	-5.67	0.01	0.0	1.76e-03	-2.67e-04
604	226	-4.58	5.57	-0.33	0.0	-1.74e-03	2.60e-04
605	4	0.03	0.30	-0.40	0.0	9.80e-06	-7.15e-06
605	44	0.02	-0.73	-0.30	0.0	7.61e-06	-5.13e-06
605	52	0.03	-0.09	-0.38	0.0	1.10e-05	-7.15e-06
605	68	0.02	0.20	-0.28	0.0	6.82e-06	-5.04e-06
605	88	0.02	-0.49	-0.22	0.0	5.36e-06	-3.69e-06
605	92	0.02	-0.07	-0.27	0.0	7.62e-06	-5.04e-06
605	98	0.02	-0.05	-0.22	0.0	6.22e-06	-4.24e-06
605	105	0.02	-0.14	-0.21	0.0	5.62e-06	-3.90e-06
605	107	0.02	-0.05	-0.21	0.0	5.86e-06	-4.05e-06
605	112	6.83	-2.29	-0.30	0.0	2.23e-03	-3.68e-04
605	129	3.85	-5.00	-0.06	0.0	1.25e-03	-2.26e-04
605	130	-3.81	4.90	-0.37	0.0	-1.23e-03	2.17e-04
605	144	7.69	-2.57	-0.32	0.0	2.51e-03	-4.14e-04
605	161	4.35	-5.63	-0.04	0.0	1.41e-03	-2.55e-04
605	162	-4.31	5.53	-0.38	0.0	-1.40e-03	2.46e-04
605	176	7.75	-2.58	-0.31	0.0	2.53e-03	-4.14e-04
605	193	4.47	-5.65	-0.04	0.0	1.45e-03	-2.60e-04
605	194	-4.44	5.55	-0.38	0.0	-1.44e-03	2.52e-04
605	216	9.24	-3.45	-0.17	0.0	2.99e-03	-5.38e-04
605	225	5.36	-6.65	-0.02	0.0	1.74e-03	-3.10e-04
605	226	-5.33	6.55	-0.41	0.0	-1.73e-03	3.02e-04
606	4	0.03	0.37	-0.58	-2.80e-04	5.95e-05	-7.93e-06
606	44	0.03	-0.82	-0.44	-1.65e-04	1.52e-04	-6.00e-06
606	52	0.04	-0.08	-0.55	-2.48e-04	8.37e-05	-8.02e-06
606	68	0.02	0.24	-0.40	-1.96e-04	4.28e-05	-5.60e-06
606	88	0.02	-0.55	-0.32	-1.20e-04	1.05e-04	-4.31e-06
606	92	0.03	-0.06	-0.39	-1.75e-04	5.90e-05	-5.65e-06
606	98	0.02	-0.05	-0.33	-1.50e-04	4.91e-05	-4.76e-06
606	105	0.02	-0.15	-0.30	-1.36e-04	5.73e-05	-4.40e-06
606	107	0.02	-0.05	-0.31	-1.43e-04	4.69e-05	-4.54e-06

606	112	7.79	-2.61	-0.41	-3.39e-04	1.15e-03	-4.17e-04
606	129	4.38	-5.74	-0.14	1.97e-04	6.63e-04	-2.54e-04
606	130	-4.34	5.64	-0.48	-4.84e-04	-5.69e-04	2.45e-04
606	144	8.78	-2.94	-0.42	-3.63e-04	1.29e-03	-4.69e-04
606	161	4.96	-6.46	-0.12	2.40e-04	7.44e-04	-2.87e-04
606	162	-4.92	6.37	-0.50	-5.26e-04	-6.50e-04	2.78e-04
606	176	8.84	-2.95	-0.42	-3.54e-04	1.29e-03	-4.69e-04
606	193	5.10	-6.48	-0.12	2.35e-04	7.61e-04	-2.93e-04
606	194	-5.06	6.39	-0.50	-5.22e-04	-6.67e-04	2.84e-04
606	216	10.53	-3.95	-0.26	-5.74e-05	1.50e-03	-6.06e-04
606	225	6.11	-7.63	-0.09	2.99e-04	9.01e-04	-3.50e-04
606	226	-6.07	7.54	-0.53	-5.85e-04	-8.08e-04	3.41e-04
607	4	0.02	0.25	-0.25	0.0	8.20e-06	-5.42e-06
607	44	0.02	-0.62	-0.20	0.0	6.46e-06	-4.03e-06
607	52	0.02	-0.08	-0.24	0.0	9.41e-06	-5.51e-06
607	68	0.01	0.16	-0.17	0.0	5.69e-06	-3.82e-06
607	88	0.01	-0.42	-0.14	0.0	4.53e-06	-2.89e-06
607	92	0.02	-0.06	-0.17	0.0	6.50e-06	-3.88e-06
607	98	0.01	-0.05	-0.14	0.0	5.28e-06	-3.25e-06
607	105	0.01	-0.12	-0.13	0.0	4.75e-06	-2.99e-06
607	107	0.01	-0.05	-0.14	0.0	4.95e-06	-3.10e-06
607	112	5.69	-1.95	-0.17	0.0	2.18e-03	-3.15e-04
607	129	3.20	-4.26	-0.07	0.0	1.22e-03	-1.95e-04
607	130	-3.18	4.17	-0.20	0.0	-1.21e-03	1.89e-04
607	144	6.41	-2.19	-0.18	0.0	2.46e-03	-3.55e-04
607	161	3.62	-4.80	-0.07	0.0	1.38e-03	-2.20e-04
607	162	-3.59	4.71	-0.21	0.0	-1.37e-03	2.14e-04
607	176	6.45	-2.20	-0.18	0.0	2.47e-03	-3.55e-04
607	193	3.72	-4.82	-0.07	0.0	1.42e-03	-2.24e-04
607	194	-3.70	4.72	-0.20	0.0	-1.41e-03	2.18e-04
607	216	7.68	-2.94	-0.12	0.0	2.92e-03	-4.66e-04
607	225	4.46	-5.67	-0.05	0.0	1.70e-03	-2.68e-04
607	226	-4.44	5.58	-0.22	0.0	-1.69e-03	2.62e-04
608	4	0.02	0.30	-0.33	0.0	8.17e-06	-6.44e-06
608	44	0.02	-0.72	-0.27	0.0	6.50e-06	-4.80e-06
608	52	0.03	-0.09	-0.33	0.0	9.41e-06	-6.55e-06
608	68	0.02	0.20	-0.23	0.0	5.67e-06	-4.54e-06
608	88	0.01	-0.48	-0.19	0.0	4.55e-06	-3.44e-06
608	92	0.02	-0.06	-0.23	0.0	6.49e-06	-4.61e-06
608	98	0.02	-0.05	-0.19	0.0	5.28e-06	-3.87e-06
608	105	0.01	-0.14	-0.18	0.0	4.76e-06	-3.56e-06
608	107	0.01	-0.05	-0.18	0.0	4.95e-06	-3.69e-06
608	112	6.62	-2.28	-0.23	0.0	2.16e-03	-3.70e-04
608	129	3.73	-5.00	-0.11	0.0	1.21e-03	-2.27e-04
608	130	-3.70	4.90	-0.25	0.0	-1.20e-03	2.20e-04
608	144	7.47	-2.57	-0.23	0.0	2.44e-03	-4.17e-04
608	161	4.21	-5.63	-0.10	0.0	1.37e-03	-2.56e-04
608	162	-4.18	5.53	-0.26	0.0	-1.36e-03	2.49e-04
608	176	7.52	-2.58	-0.23	0.0	2.46e-03	-4.17e-04
608	193	4.33	-5.65	-0.10	0.0	1.41e-03	-2.62e-04
608	194	-4.30	5.55	-0.26	0.0	-1.40e-03	2.54e-04
608	216	8.93	-3.45	-0.16	0.0	2.90e-03	-5.43e-04
608	225	5.19	-6.65	-0.09	0.0	1.69e-03	-3.13e-04
608	226	-5.16	6.55	-0.28	0.0	-1.68e-03	3.05e-04
609	4	0.03	0.37	-0.49	-1.80e-04	6.96e-05	-7.53e-06
609	44	0.02	-0.82	-0.39	-1.04e-04	1.27e-04	-5.81e-06
609	52	0.03	-0.08	-0.47	-1.58e-04	8.58e-05	-7.69e-06
609	68	0.02	0.24	-0.34	-1.26e-04	4.97e-05	-5.31e-06
609	88	0.02	-0.55	-0.28	-7.55e-05	8.81e-05	-4.16e-06
609	92	0.02	-0.06	-0.33	-1.12e-04	6.05e-05	-5.41e-06
609	98	0.02	-0.05	-0.28	-9.57e-05	5.04e-05	-4.55e-06
609	105	0.02	-0.14	-0.26	-8.68e-05	5.50e-05	-4.21e-06
609	107	0.02	-0.05	-0.26	-9.16e-05	4.82e-05	-4.34e-06
609	112	7.56	-2.61	-0.31	-2.11e-04	1.15e-03	-4.24e-04
609	129	4.25	-5.73	-0.18	1.16e-04	6.69e-04	-2.58e-04
609	130	-4.21	5.64	-0.35	-2.99e-04	-5.73e-04	2.50e-04
609	144	8.52	-2.93	-0.32	-2.26e-04	1.30e-03	-4.77e-04
609	161	4.80	-6.46	-0.17	1.42e-04	7.50e-04	-2.92e-04
609	162	-4.77	6.37	-0.36	-3.25e-04	-6.54e-04	2.83e-04
609	176	8.58	-2.95	-0.32	-2.21e-04	1.30e-03	-4.77e-04
609	193	4.94	-6.48	-0.17	1.39e-04	7.66e-04	-2.98e-04
609	194	-4.90	6.39	-0.36	-3.23e-04	-6.70e-04	2.89e-04
609	216	10.18	-3.95	-0.24	-3.81e-05	1.49e-03	-6.16e-04
609	225	5.92	-7.63	-0.16	1.78e-04	9.06e-04	-3.56e-04
609	226	-5.88	7.54	-0.37	-3.61e-04	-8.10e-04	3.47e-04

610	4	0.02	0.25	-0.22	0.0	6.90e-06	-4.77e-06
610	44	0.01	-0.62	-0.19	0.0	5.43e-06	-3.63e-06
610	52	0.02	-0.08	-0.22	0.0	8.07e-06	-4.93e-06
610	68	0.01	0.17	-0.16	0.0	4.77e-06	-3.35e-06
610	88	9.65e-03	-0.42	-0.13	0.0	3.79e-06	-2.60e-06
610	92	0.01	-0.06	-0.15	0.0	5.55e-06	-3.46e-06
610	98	0.01	-0.05	-0.13	0.0	4.48e-06	-2.89e-06
610	105	0.01	-0.12	-0.12	0.0	4.01e-06	-2.66e-06
610	107	0.01	-0.04	-0.12	0.0	4.19e-06	-2.75e-06
610	112	5.51	-1.95	-0.12	0.0	2.11e-03	-3.18e-04
610	129	3.10	-4.26	-0.10	0.0	1.18e-03	-1.96e-04
610	130	-3.08	4.17	-0.15	0.0	-1.17e-03	1.91e-04
610	144	6.21	-2.19	-0.12	0.0	2.38e-03	-3.58e-04
610	161	3.50	-4.80	-0.09	0.0	1.34e-03	-2.21e-04
610	162	-3.48	4.71	-0.15	0.0	-1.33e-03	2.16e-04
610	176	6.26	-2.20	-0.12	0.0	2.40e-03	-3.58e-04
610	193	3.60	-4.82	-0.09	0.0	1.37e-03	-2.26e-04
610	194	-3.58	4.73	-0.15	0.0	-1.36e-03	2.20e-04
610	216	7.41	-2.94	-0.11	0.0	2.82e-03	-4.70e-04
610	225	4.32	-5.67	-0.09	0.0	1.65e-03	-2.70e-04
610	226	-4.29	5.58	-0.16	0.0	-1.64e-03	2.65e-04
611	4	0.02	0.31	-0.30	0.0	6.90e-06	-5.69e-06
611	44	0.02	-0.72	-0.25	0.0	5.47e-06	-4.39e-06
611	52	0.02	-0.08	-0.30	0.0	8.08e-06	-5.89e-06
611	68	0.01	0.20	-0.21	0.0	4.77e-06	-4.00e-06
611	88	0.01	-0.48	-0.18	0.0	3.82e-06	-3.13e-06
611	92	0.02	-0.06	-0.21	0.0	5.56e-06	-4.14e-06
611	98	0.01	-0.05	-0.17	0.0	4.49e-06	-3.46e-06
611	105	0.01	-0.13	-0.16	0.0	4.03e-06	-3.19e-06
611	107	0.01	-0.05	-0.16	0.0	4.20e-06	-3.29e-06
611	112	6.42	-2.28	-0.16	0.0	2.09e-03	-3.74e-04
611	129	3.61	-5.00	-0.14	0.0	1.17e-03	-2.29e-04
611	130	-3.58	4.90	-0.19	0.0	-1.16e-03	2.22e-04
611	144	7.24	-2.57	-0.16	0.0	2.36e-03	-4.21e-04
611	161	4.08	-5.63	-0.13	0.0	1.32e-03	-2.58e-04
611	162	-4.05	5.54	-0.20	0.0	-1.31e-03	2.52e-04
611	176	7.29	-2.58	-0.16	0.0	2.38e-03	-4.21e-04
611	193	4.19	-5.65	-0.13	0.0	1.36e-03	-2.64e-04
611	194	-4.17	5.55	-0.20	0.0	-1.35e-03	2.57e-04
611	216	8.62	-3.45	-0.16	0.0	2.79e-03	-5.48e-04
611	225	5.02	-6.65	-0.13	0.0	1.63e-03	-3.15e-04
611	226	-5.00	6.56	-0.20	0.0	-1.62e-03	3.09e-04
612	4	0.02	0.37	-0.44	-1.10e-04	7.57e-05	-6.64e-06
612	44	0.02	-0.81	-0.36	-5.91e-05	1.05e-04	-5.36e-06
612	52	0.03	-0.08	-0.43	-9.48e-05	8.53e-05	-6.93e-06
612	68	0.02	0.24	-0.31	-7.68e-05	5.37e-05	-4.68e-06
612	88	0.01	-0.55	-0.26	-4.32e-05	7.35e-05	-3.82e-06
612	92	0.02	-0.06	-0.30	-6.70e-05	6.02e-05	-4.87e-06
612	98	0.02	-0.05	-0.25	-5.73e-05	5.02e-05	-4.07e-06
612	105	0.01	-0.14	-0.24	-5.16e-05	5.20e-05	-3.78e-06
612	107	0.01	-0.04	-0.24	-5.48e-05	4.80e-05	-3.88e-06
612	112	7.32	-2.60	-0.23	-1.28e-04	1.15e-03	-4.28e-04
612	129	4.11	-5.73	-0.21	7.20e-05	6.67e-04	-2.60e-04
612	130	-4.08	5.64	-0.27	-1.82e-04	-5.72e-04	2.53e-04
612	144	8.25	-2.93	-0.23	-1.38e-04	1.29e-03	-4.82e-04
612	161	4.65	-6.46	-0.20	8.78e-05	7.48e-04	-2.94e-04
612	162	-4.62	6.37	-0.28	-1.98e-04	-6.52e-04	2.86e-04
612	176	8.31	-2.94	-0.23	-1.34e-04	1.29e-03	-4.81e-04
612	193	4.78	-6.48	-0.20	8.62e-05	7.62e-04	-3.00e-04
612	194	-4.75	6.39	-0.28	-1.96e-04	-6.67e-04	2.92e-04
612	216	9.82	-3.94	-0.23	-2.12e-05	1.47e-03	-6.23e-04
612	225	5.72	-7.63	-0.20	1.10e-04	9.01e-04	-3.59e-04
612	226	-5.69	7.54	-0.28	-2.20e-04	-8.05e-04	3.51e-04
613	4	0.02	0.26	-0.21	0.0	5.68e-06	-3.99e-06
613	44	0.01	-0.62	-0.18	0.0	4.41e-06	-3.07e-06
613	52	0.02	-0.08	-0.21	0.0	6.79e-06	-4.20e-06
613	68	0.01	0.17	-0.15	0.0	3.91e-06	-2.79e-06
613	88	8.20e-03	-0.41	-0.13	0.0	3.06e-06	-2.18e-06
613	92	0.01	-0.05	-0.15	0.0	4.65e-06	-2.94e-06
613	98	9.96e-03	-0.05	-0.12	0.0	3.73e-06	-2.43e-06
613	105	8.86e-03	-0.12	-0.12	0.0	3.31e-06	-2.23e-06
613	107	9.30e-03	-0.04	-0.12	0.0	3.47e-06	-2.30e-06
613	110	-5.31	3.75	-0.12	0.0	-2.03e-03	3.16e-04
613	112	5.34	-1.95	-0.11	0.0	2.04e-03	-3.21e-04
613	129	2.99	-4.26	-0.11	0.0	1.14e-03	-1.97e-04

613	142	-5.98	4.23	-0.12	0.0	-2.29e-03	3.56e-04
613	144	6.02	-2.19	-0.11	0.0	2.30e-03	-3.61e-04
613	161	3.39	-4.80	-0.11	0.0	1.29e-03	-2.23e-04
613	176	6.06	-2.20	-0.11	0.0	2.32e-03	-3.61e-04
613	190	-3.51	4.67	-0.12	0.0	-1.34e-03	2.13e-04
613	193	3.48	-4.82	-0.11	0.0	1.33e-03	-2.28e-04
613	208	7.15	-2.59	-0.11	0.0	2.73e-03	-4.25e-04
613	222	-4.15	5.48	-0.12	0.0	-1.59e-03	2.53e-04
613	225	4.17	-5.67	-0.11	0.0	1.59e-03	-2.72e-04
614	4	0.02	0.31	-0.28	0.0	5.62e-06	-4.83e-06
614	44	0.01	-0.72	-0.24	0.0	4.39e-06	-3.80e-06
614	52	0.02	-0.08	-0.28	0.0	6.74e-06	-5.10e-06
614	68	0.01	0.20	-0.20	0.0	3.86e-06	-3.39e-06
614	88	9.51e-03	-0.48	-0.17	0.0	3.05e-06	-2.70e-06
614	92	0.01	-0.06	-0.20	0.0	4.62e-06	-3.57e-06
614	98	0.01	-0.05	-0.16	0.0	3.70e-06	-2.96e-06
614	105	0.01	-0.13	-0.16	0.0	3.28e-06	-2.72e-06
614	107	0.01	-0.05	-0.16	0.0	3.44e-06	-2.81e-06
614	110	-6.18	4.41	-0.16	0.0	-2.01e-03	3.71e-04
614	112	6.21	-2.28	-0.15	0.0	2.02e-03	-3.77e-04
614	129	3.49	-5.00	-0.15	0.0	1.13e-03	-2.30e-04
614	142	-6.97	4.97	-0.16	0.0	-2.27e-03	4.18e-04
614	144	7.01	-2.56	-0.15	0.0	2.28e-03	-4.25e-04
614	161	3.94	-5.63	-0.15	0.0	1.28e-03	-2.60e-04
614	174	-7.02	4.95	-0.16	0.0	-2.29e-03	4.18e-04
614	176	7.05	-2.58	-0.15	0.0	2.30e-03	-4.25e-04
614	193	4.05	-5.65	-0.15	0.0	1.31e-03	-2.66e-04
614	208	8.32	-3.03	-0.15	0.0	2.71e-03	-4.99e-04
614	222	-4.83	6.43	-0.16	0.0	-1.57e-03	2.96e-04
614	225	4.85	-6.65	-0.15	0.0	1.57e-03	-3.18e-04
615	4	0.02	0.37	-0.41	-6.07e-05	7.80e-05	-5.79e-06
615	44	0.02	-0.81	-0.35	-2.63e-05	8.78e-05	-4.79e-06
615	52	0.02	-0.08	-0.41	-5.01e-05	8.28e-05	-6.16e-06
615	68	0.01	0.25	-0.29	-4.24e-05	5.52e-05	-4.07e-06
615	88	0.01	-0.54	-0.25	-1.95e-05	6.17e-05	-3.41e-06
615	92	0.02	-0.05	-0.29	-3.53e-05	5.84e-05	-4.32e-06
615	98	0.01	-0.05	-0.24	-3.02e-05	4.87e-05	-3.59e-06
615	105	0.01	-0.14	-0.23	-2.65e-05	4.85e-05	-3.34e-06
615	107	0.01	-0.04	-0.23	-2.89e-05	4.66e-05	-3.41e-06
615	110	-7.05	5.06	-0.23	-1.86e-05	-1.04e-03	4.23e-04
615	112	7.09	-2.60	-0.22	-7.70e-05	1.13e-03	-4.30e-04
615	129	3.97	-5.73	-0.22	5.33e-05	6.59e-04	-2.62e-04
615	142	-7.95	5.71	-0.24	-1.73e-05	-1.17e-03	4.77e-04
615	144	7.99	-2.93	-0.22	-8.30e-05	1.27e-03	-4.85e-04
615	161	4.49	-6.45	-0.22	6.36e-05	7.39e-04	-2.96e-04
615	174	-8.00	5.69	-0.23	-1.87e-05	-1.18e-03	4.77e-04
615	176	8.04	-2.94	-0.22	-8.09e-05	1.27e-03	-4.85e-04
615	193	4.62	-6.48	-0.22	6.25e-05	7.51e-04	-3.02e-04
615	206	-9.44	6.68	-0.24	-1.76e-05	-1.39e-03	5.62e-04
615	208	9.49	-3.47	-0.22	-8.87e-05	1.49e-03	-5.70e-04
615	225	5.53	-7.63	-0.22	7.79e-05	8.87e-04	-3.61e-04
616	28	0.01	-0.40	-0.21	0.0	4.94e-06	-3.01e-06
616	44	0.01	-0.61	-0.18	0.0	3.46e-06	-2.30e-06
616	52	0.02	-0.07	-0.21	0.0	5.64e-06	-3.32e-06
616	80	9.59e-03	-0.27	-0.14	0.0	3.38e-06	-2.09e-06
616	88	7.03e-03	-0.41	-0.13	0.0	2.39e-06	-1.62e-06
616	92	0.01	-0.05	-0.14	0.0	3.85e-06	-2.30e-06
616	98	8.65e-03	-0.04	-0.12	0.0	3.06e-06	-1.87e-06
616	105	7.67e-03	-0.11	-0.11	0.0	2.67e-06	-1.70e-06
616	107	8.06e-03	-0.04	-0.11	0.0	2.83e-06	-1.76e-06
616	112	5.16	-1.95	-0.11	0.0	1.97e-03	-3.24e-04
616	127	0.19	-2.56	-0.12	0.0	6.94e-05	-1.91e-05
616	129	2.89	-4.26	-0.12	0.0	1.10e-03	-1.99e-04
616	144	5.82	-2.19	-0.11	0.0	2.22e-03	-3.65e-04
616	159	0.21	-2.88	-0.13	0.0	7.94e-05	-2.17e-05
616	161	3.27	-4.80	-0.12	0.0	1.25e-03	-2.25e-04
616	176	5.86	-2.20	-0.11	0.0	2.24e-03	-3.65e-04
616	191	0.24	-2.88	-0.13	0.0	8.79e-05	-2.35e-05
616	193	3.36	-4.82	-0.12	0.0	1.28e-03	-2.30e-04
616	208	6.91	-2.59	-0.11	0.0	2.64e-03	-4.30e-04
616	223	0.29	-3.36	-0.13	0.0	1.09e-04	-2.92e-05
616	225	4.02	-5.67	-0.12	0.0	1.53e-03	-2.75e-04
617	28	0.02	-0.47	-0.28	0.0	4.82e-06	-3.76e-06
617	44	0.01	-0.71	-0.24	0.0	3.35e-06	-2.95e-06
617	52	0.02	-0.08	-0.28	0.0	5.52e-06	-4.10e-06

617	80	0.01	-0.31	-0.20	0.0	3.29e-06	-2.62e-06
617	88	8.03e-03	-0.48	-0.17	0.0	2.31e-06	-2.08e-06
617	92	0.01	-0.05	-0.19	0.0	3.76e-06	-2.84e-06
617	98	9.94e-03	-0.05	-0.16	0.0	2.98e-06	-2.33e-06
617	105	8.79e-03	-0.13	-0.15	0.0	2.60e-06	-2.12e-06
617	107	9.25e-03	-0.04	-0.15	0.0	2.75e-06	-2.19e-06
617	112	6.01	-2.28	-0.15	0.0	1.96e-03	-3.81e-04
617	127	0.22	-3.00	-0.17	0.0	6.79e-05	-2.20e-05
617	129	3.37	-5.00	-0.16	0.0	1.09e-03	-2.32e-04
617	144	6.77	-2.56	-0.15	0.0	2.20e-03	-4.29e-04
617	159	0.25	-3.38	-0.17	0.0	7.77e-05	-2.49e-05
617	161	3.80	-5.63	-0.16	0.0	1.23e-03	-2.62e-04
617	176	6.82	-2.57	-0.15	0.0	2.22e-03	-4.29e-04
617	191	0.27	-3.37	-0.17	0.0	8.62e-05	-2.70e-05
617	193	3.91	-5.65	-0.16	0.0	1.27e-03	-2.68e-04
617	208	8.04	-3.03	-0.15	0.0	2.62e-03	-5.05e-04
617	223	0.34	-3.94	-0.17	0.0	1.07e-04	-3.35e-05
617	225	4.68	-6.65	-0.16	0.0	1.52e-03	-3.21e-04
618	28	0.02	-0.52	-0.40	-1.11e-05	8.06e-05	-4.91e-06
618	44	0.01	-0.81	-0.35	-2.56e-06	7.36e-05	-4.00e-06
618	52	0.02	-0.08	-0.40	-1.98e-05	7.79e-05	-5.19e-06
618	80	0.01	-0.35	-0.28	-8.04e-06	5.68e-05	-3.43e-06
618	88	9.00e-03	-0.54	-0.25	-2.32e-06	5.22e-05	-2.82e-06
618	92	0.01	-0.05	-0.28	-1.38e-05	5.50e-05	-3.61e-06
618	98	0.01	-0.04	-0.24	-1.18e-05	4.59e-05	-2.97e-06
618	105	9.89e-03	-0.14	-0.22	-9.22e-06	4.46e-05	-2.75e-06
618	107	0.01	-0.04	-0.22	-1.11e-05	4.40e-05	-2.81e-06
618	112	6.85	-2.60	-0.21	-4.88e-05	1.10e-03	-4.35e-04
618	127	0.25	-3.44	-0.24	5.17e-05	1.10e-04	-2.49e-05
618	129	3.83	-5.73	-0.23	5.20e-05	6.48e-04	-2.64e-04
618	144	7.72	-2.93	-0.21	-5.35e-05	1.24e-03	-4.90e-04
618	159	0.28	-3.87	-0.24	5.96e-05	1.19e-04	-2.82e-05
618	161	4.34	-6.45	-0.23	5.99e-05	7.26e-04	-2.98e-04
618	176	7.78	-2.94	-0.21	-5.18e-05	1.24e-03	-4.90e-04
618	191	0.31	-3.87	-0.24	5.86e-05	1.20e-04	-3.06e-05
618	193	4.45	-6.48	-0.23	5.92e-05	7.36e-04	-3.05e-04
618	208	9.17	-3.47	-0.21	-5.80e-05	1.45e-03	-5.76e-04
618	223	0.38	-4.52	-0.24	7.01e-05	1.33e-04	-3.79e-05
618	225	5.33	-7.62	-0.24	7.10e-05	8.67e-04	-3.65e-04
619	28	0.01	-0.40	-0.21	0.0	4.02e-06	-2.01e-06
619	44	8.98e-03	-0.61	-0.19	0.0	2.70e-06	-1.39e-06
619	52	0.01	-0.07	-0.21	0.0	4.70e-06	-2.33e-06
619	80	8.55e-03	-0.27	-0.15	0.0	2.74e-06	-1.38e-06
619	88	6.24e-03	-0.41	-0.13	0.0	1.86e-06	0.0
619	92	9.61e-03	-0.05	-0.15	0.0	3.19e-06	-1.59e-06
619	98	7.71e-03	-0.04	-0.12	0.0	2.51e-06	-1.25e-06
619	105	6.83e-03	-0.11	-0.12	0.0	2.17e-06	-1.09e-06
619	107	7.18e-03	-0.04	-0.12	0.0	2.32e-06	-1.16e-06
619	112	4.98	-1.94	-0.10	0.0	1.90e-03	-3.28e-04
619	127	0.18	-2.56	-0.14	0.0	6.87e-05	-1.83e-05
619	129	2.79	-4.26	-0.14	0.0	1.06e-03	-2.00e-04
619	144	5.62	-2.19	-0.10	0.0	2.14e-03	-3.70e-04
619	159	0.21	-2.88	-0.15	0.0	7.86e-05	-2.09e-05
619	161	3.15	-4.80	-0.15	0.0	1.20e-03	-2.26e-04
619	176	5.65	-2.20	-0.10	0.0	2.16e-03	-3.70e-04
619	193	3.23	-4.82	-0.15	0.0	1.23e-03	-2.31e-04
619	208	6.67	-2.59	-0.10	0.0	2.55e-03	-4.35e-04
619	225	3.87	-5.67	-0.15	0.0	1.48e-03	-2.77e-04
620	28	0.01	-0.46	-0.29	0.0	3.67e-06	-2.51e-06
620	44	0.01	-0.71	-0.25	0.0	2.35e-06	-1.78e-06
620	52	0.02	-0.08	-0.28	0.0	4.37e-06	-2.85e-06
620	80	9.67e-03	-0.31	-0.20	0.0	2.48e-06	-1.71e-06
620	88	6.99e-03	-0.48	-0.18	0.0	1.60e-06	-1.23e-06
620	92	0.01	-0.05	-0.20	0.0	2.95e-06	-1.95e-06
620	98	8.75e-03	-0.04	-0.17	0.0	2.30e-06	-1.54e-06
620	105	7.72e-03	-0.13	-0.16	0.0	1.96e-06	-1.35e-06
620	107	8.14e-03	-0.04	-0.16	0.0	2.12e-06	-1.43e-06
620	112	5.80	-2.27	-0.14	0.0	1.89e-03	-3.85e-04
620	127	0.21	-3.00	-0.19	0.0	6.73e-05	-2.10e-05
620	129	3.24	-4.99	-0.19	0.0	1.05e-03	-2.34e-04
620	144	6.54	-2.56	-0.14	0.0	2.13e-03	-4.34e-04
620	159	0.24	-3.38	-0.19	0.0	7.71e-05	-2.39e-05
620	161	3.67	-5.62	-0.19	0.0	1.19e-03	-2.64e-04
620	176	6.58	-2.57	-0.14	0.0	2.14e-03	-4.35e-04
620	193	3.76	-5.64	-0.19	0.0	1.22e-03	-2.70e-04

620	208	7.76	-3.03	-0.14	0.0	2.52e-03	-5.11e-04
620	225	4.51	-6.64	-0.20	0.0	1.46e-03	-3.24e-04
621	28	0.02	-0.52	-0.41	6.69e-06	6.94e-05	-3.13e-06
621	44	0.01	-0.81	-0.36	1.30e-05	6.11e-05	-2.30e-06
621	52	0.02	-0.08	-0.41	-1.40e-06	7.02e-05	-3.48e-06
621	80	0.01	-0.35	-0.29	4.68e-06	4.91e-05	-2.14e-06
621	88	7.54e-03	-0.54	-0.26	8.87e-06	4.36e-05	-1.59e-06
621	92	0.01	-0.05	-0.29	0.0	4.96e-05	-2.37e-06
621	98	9.63e-03	-0.04	-0.24	0.0	4.16e-05	-1.89e-06
621	105	8.45e-03	-0.14	-0.23	1.54e-06	3.97e-05	-1.67e-06
621	107	8.94e-03	-0.04	-0.23	0.0	3.98e-05	-1.75e-06
621	112	6.61	-2.60	-0.21	-3.75e-05	1.07e-03	-4.41e-04
621	127	0.24	-3.44	-0.26	6.06e-05	-5.92e-04	-2.34e-05
621	129	3.70	-5.73	-0.26	6.10e-05	-7.38e-05	-2.66e-04
621	144	7.46	-2.93	-0.21	-4.21e-05	1.20e-03	-4.97e-04
621	159	0.28	-3.87	-0.27	6.82e-05	-6.73e-04	-2.67e-05
621	161	4.18	-6.45	-0.27	6.86e-05	-8.72e-05	-3.01e-04
621	176	7.50	-2.94	-0.21	-4.06e-05	1.20e-03	-4.98e-04
621	193	4.29	-6.47	-0.26	6.79e-05	-7.93e-05	-3.08e-04
621	208	8.85	-3.46	-0.20	-4.67e-05	1.40e-03	-5.85e-04
621	225	5.14	-7.62	-0.27	7.95e-05	-9.13e-05	-3.69e-04
622	28	0.01	-0.40	-0.22	0.0	3.64e-06	-1.01e-06
622	44	8.45e-03	-0.61	-0.20	0.0	2.47e-06	0.0
622	52	0.01	-0.07	-0.22	0.0	4.24e-06	-1.34e-06
622	80	7.96e-03	-0.27	-0.16	0.0	2.49e-06	0.0
622	88	5.88e-03	-0.41	-0.14	0.0	1.71e-06	0.0
622	92	8.89e-03	-0.05	-0.15	0.0	2.89e-06	0.0
622	98	7.17e-03	-0.04	-0.13	0.0	2.29e-06	0.0
622	105	6.37e-03	-0.11	-0.12	0.0	1.99e-06	0.0
622	107	6.68e-03	-0.04	-0.12	0.0	2.12e-06	0.0
622	112	4.80	-1.94	-0.09	0.0	1.83e-03	-3.32e-04
622	129	2.68	-4.26	-0.17	0.0	1.02e-03	-2.02e-04
622	144	5.42	-2.19	-0.09	0.0	2.06e-03	-3.75e-04
622	161	3.03	-4.80	-0.18	0.0	1.16e-03	-2.28e-04
622	176	5.45	-2.20	-0.09	0.0	2.08e-03	-3.75e-04
622	193	3.11	-4.82	-0.18	0.0	1.19e-03	-2.34e-04
622	208	6.43	-2.59	-0.09	0.0	2.45e-03	-4.42e-04
622	225	3.72	-5.67	-0.19	0.0	1.42e-03	-2.80e-04
623	28	0.01	-0.46	-0.30	0.0	3.43e-06	-1.16e-06
623	44	9.39e-03	-0.71	-0.27	0.0	2.26e-06	0.0
623	52	0.01	-0.07	-0.30	0.0	4.05e-06	-1.55e-06
623	80	8.94e-03	-0.31	-0.21	0.0	2.33e-06	0.0
623	88	6.54e-03	-0.48	-0.19	0.0	1.56e-06	0.0
623	92	0.01	-0.05	-0.21	0.0	2.75e-06	-1.01e-06
623	98	8.09e-03	-0.04	-0.17	0.0	2.17e-06	0.0
623	105	7.16e-03	-0.13	-0.17	0.0	1.86e-06	0.0
623	107	7.53e-03	-0.04	-0.16	0.0	2.00e-06	0.0
623	112	5.59	-2.27	-0.13	0.0	1.81e-03	-3.89e-04
623	129	3.12	-4.99	-0.22	0.0	1.01e-03	-2.35e-04
623	144	6.30	-2.56	-0.12	0.0	2.04e-03	-4.39e-04
623	161	3.53	-5.62	-0.23	0.0	1.14e-03	-2.66e-04
623	176	6.34	-2.57	-0.13	0.0	2.06e-03	-4.39e-04
623	193	3.62	-5.64	-0.23	0.0	1.17e-03	-2.72e-04
623	208	7.48	-3.03	-0.12	0.0	2.43e-03	-5.17e-04
623	225	4.33	-6.64	-0.24	0.0	1.41e-03	-3.26e-04
624	28	0.01	-0.52	-0.44	1.10e-05	5.59e-05	-1.69e-06
624	44	0.01	-0.81	-0.39	1.68e-05	4.77e-05	0.0
624	52	0.02	-0.07	-0.43	2.96e-06	5.87e-05	-2.13e-06
624	80	9.93e-03	-0.35	-0.31	7.80e-06	3.97e-05	-1.10e-06
624	88	7.18e-03	-0.54	-0.28	1.17e-05	3.42e-05	0.0
624	92	0.01	-0.05	-0.30	2.46e-06	4.16e-05	-1.40e-06
624	98	9.00e-03	-0.04	-0.25	2.50e-06	3.49e-05	-1.03e-06
624	105	7.94e-03	-0.14	-0.24	4.40e-06	3.29e-05	0.0
624	107	8.38e-03	-0.04	-0.24	2.62e-06	3.35e-05	0.0
624	112	6.37	-2.60	-0.20	-3.94e-05	1.03e-03	-4.46e-04
624	129	3.56	-5.72	-0.31	6.99e-05	-9.44e-05	-2.68e-04
624	144	7.18	-2.93	-0.19	-4.46e-05	1.16e-03	-5.02e-04
624	161	4.02	-6.44	-0.32	7.84e-05	-1.10e-04	-3.03e-04
624	176	7.23	-2.94	-0.20	-4.30e-05	1.15e-03	-5.03e-04
624	193	4.13	-6.47	-0.31	7.77e-05	-1.01e-04	-3.10e-04
624	208	8.52	-3.46	-0.19	-5.00e-05	1.35e-03	-5.92e-04
624	225	4.94	-7.61	-0.33	9.04e-05	-1.16e-04	-3.71e-04
625	28	0.01	-0.40	-0.24	0.0	3.57e-06	0.0
625	44	8.50e-03	-0.61	-0.22	0.0	2.55e-06	0.0
625	52	0.01	-0.07	-0.24	0.0	4.08e-06	0.0

625	80	7.81e-03	-0.27	-0.17	0.0	2.46e-06	0.0
625	88	5.95e-03	-0.41	-0.16	0.0	1.78e-06	0.0
625	92	8.61e-03	-0.05	-0.17	0.0	2.80e-06	0.0
625	98	6.99e-03	-0.04	-0.14	0.0	2.26e-06	0.0
625	105	6.28e-03	-0.11	-0.13	0.0	2.00e-06	0.0
625	107	6.54e-03	-0.04	-0.13	0.0	2.11e-06	0.0
625	112	4.62	-1.94	-0.07	0.0	1.76e-03	-3.39e-04
625	129	2.58	-4.26	-0.23	0.0	9.85e-04	-2.05e-04
625	144	5.21	-2.19	-0.07	0.0	1.99e-03	-3.82e-04
625	161	2.91	-4.80	-0.24	0.0	1.11e-03	-2.32e-04
625	176	5.24	-2.19	-0.07	0.0	2.00e-03	-3.83e-04
625	193	2.99	-4.82	-0.24	0.0	1.14e-03	-2.37e-04
625	208	6.18	-2.58	-0.06	0.0	2.36e-03	-4.51e-04
625	225	3.57	-5.67	-0.26	0.0	1.37e-03	-2.84e-04
626	28	0.01	-0.46	-0.33	0.0	2.95e-06	0.0
626	44	9.50e-03	-0.71	-0.30	0.0	1.96e-06	0.0
626	52	0.01	-0.07	-0.32	0.0	3.49e-06	0.0
626	80	8.80e-03	-0.31	-0.23	0.0	2.02e-06	0.0
626	88	6.65e-03	-0.47	-0.21	0.0	1.35e-06	0.0
626	92	9.75e-03	-0.05	-0.22	0.0	2.37e-06	0.0
626	98	7.91e-03	-0.04	-0.19	0.0	1.89e-06	0.0
626	105	7.08e-03	-0.13	-0.18	0.0	1.63e-06	0.0
626	107	7.40e-03	-0.04	-0.18	0.0	1.75e-06	0.0
626	112	5.38	-2.27	-0.11	0.0	1.75e-03	-3.94e-04
626	129	3.00	-4.99	-0.29	0.0	9.75e-04	-2.37e-04
626	144	6.06	-2.56	-0.10	0.0	1.97e-03	-4.44e-04
626	161	3.39	-5.62	-0.31	0.0	1.10e-03	-2.68e-04
626	176	6.10	-2.57	-0.10	0.0	1.98e-03	-4.45e-04
626	193	3.48	-5.64	-0.30	0.0	1.13e-03	-2.74e-04
626	208	7.19	-3.03	-0.09	0.0	2.33e-03	-5.24e-04
626	225	4.16	-6.64	-0.33	0.0	1.35e-03	-3.29e-04
627	28	0.01	-0.52	-0.48	-1.02e-05	4.00e-05	0.0
627	44	9.95e-03	-0.80	-0.43	-3.01e-06	3.27e-05	0.0
627	52	0.02	-0.07	-0.46	-1.70e-05	4.41e-05	0.0
627	80	9.37e-03	-0.35	-0.34	-7.10e-06	2.86e-05	0.0
627	88	6.94e-03	-0.54	-0.30	-2.30e-06	2.37e-05	0.0
627	92	0.01	-0.05	-0.32	-1.16e-05	3.13e-05	0.0
627	98	8.48e-03	-0.04	-0.27	-9.09e-06	2.64e-05	0.0
627	105	7.54e-03	-0.14	-0.26	-6.99e-06	2.45e-05	0.0
627	107	7.91e-03	-0.04	-0.26	-8.50e-06	2.54e-05	0.0
627	112	6.13	-2.60	-0.18	8.18e-06	9.87e-04	-4.45e-04
627	129	3.42	-5.71	-0.39	5.77e-05	-1.15e-04	-2.67e-04
627	144	6.91	-2.92	-0.17	1.03e-05	1.11e-03	-5.02e-04
627	161	3.87	-6.44	-0.40	6.60e-05	-1.32e-04	-3.02e-04
627	176	6.95	-2.94	-0.18	9.75e-06	1.11e-03	-5.03e-04
627	193	3.96	-6.46	-0.40	6.55e-05	-1.24e-04	-3.09e-04
627	208	8.20	-3.46	-0.16	1.27e-05	1.29e-03	-5.92e-04
627	225	4.74	-7.61	-0.43	7.81e-05	-1.41e-04	-3.71e-04
628	28	0.01	-0.40	-0.26	0.0	4.40e-06	0.0
628	44	8.81e-03	-0.61	-0.24	0.0	3.49e-06	0.0
628	52	0.01	-0.07	-0.25	0.0	4.78e-06	0.0
628	80	7.87e-03	-0.27	-0.19	0.0	3.09e-06	0.0
628	88	6.19e-03	-0.41	-0.17	0.0	2.48e-06	0.0
628	92	8.51e-03	-0.05	-0.18	0.0	3.34e-06	0.0
628	98	6.97e-03	-0.04	-0.15	0.0	2.77e-06	0.0
628	105	6.33e-03	-0.11	-0.14	0.0	2.54e-06	0.0
628	107	6.55e-03	-0.04	-0.14	0.0	2.62e-06	0.0
628	112	4.44	-1.94	-0.03	0.0	1.70e-03	-3.49e-04
628	129	2.47	-4.26	-0.32	0.0	9.48e-04	-2.09e-04
628	144	5.00	-2.18	-0.02	0.0	1.91e-03	-3.93e-04
628	161	2.79	-4.80	-0.34	0.0	1.07e-03	-2.36e-04
628	176	5.03	-2.19	-0.02	0.0	1.92e-03	-3.94e-04
628	193	2.86	-4.82	-0.34	0.0	1.10e-03	-2.42e-04
628	208	5.93	-2.58	-4.19e-03	0.0	2.27e-03	-4.64e-04
628	225	3.42	-5.67	-0.37	0.0	1.31e-03	-2.90e-04
629	28	0.01	-0.46	-0.35	0.0	4.13e-06	0.0
629	44	0.01	-0.71	-0.32	0.0	3.26e-06	1.08e-06
629	52	0.01	-0.07	-0.33	0.0	4.51e-06	0.0
629	80	9.30e-03	-0.31	-0.25	0.0	2.90e-06	0.0
629	88	7.36e-03	-0.47	-0.23	0.0	2.32e-06	0.0
629	92	0.01	-0.05	-0.24	0.0	3.16e-06	0.0
629	98	8.25e-03	-0.04	-0.20	0.0	2.63e-06	0.0
629	105	7.52e-03	-0.12	-0.19	0.0	2.41e-06	0.0
629	107	7.77e-03	-0.04	-0.19	0.0	2.50e-06	0.0
629	112	5.17	-2.27	-0.06	0.0	1.69e-03	-4.05e-04

629	129	2.88	-4.99	-0.40	0.0	9.41e-04	-2.42e-04
629	144	5.82	-2.56	-0.04	0.0	1.90e-03	-4.57e-04
629	161	3.25	-5.62	-0.42	0.0	1.06e-03	-2.74e-04
629	176	5.86	-2.57	-0.05	0.0	1.91e-03	-4.58e-04
629	193	3.33	-5.64	-0.42	0.0	1.09e-03	-2.81e-04
629	208	6.90	-3.02	-0.03	0.0	2.25e-03	-5.40e-04
629	225	3.98	-6.64	-0.46	0.0	1.30e-03	-3.37e-04
630	28	0.01	-0.51	-0.52	-8.05e-05	2.03e-05	5.23e-06
630	44	0.01	-0.80	-0.47	-7.05e-05	1.43e-05	5.69e-06
630	52	0.02	-0.07	-0.49	-8.15e-05	2.55e-05	4.42e-06
630	80	0.01	-0.34	-0.36	-5.67e-05	1.47e-05	3.84e-06
630	88	8.00e-03	-0.54	-0.33	-5.01e-05	1.07e-05	4.14e-06
630	92	0.01	-0.05	-0.35	-5.74e-05	1.81e-05	3.29e-06
630	98	9.08e-03	-0.04	-0.29	-4.76e-05	1.54e-05	3.00e-06
630	105	8.26e-03	-0.14	-0.28	-4.53e-05	1.37e-05	3.16e-06
630	107	8.55e-03	-0.04	-0.28	-4.55e-05	1.48e-05	2.98e-06
630	112	5.89	-2.60	-0.13	-3.57e-05	9.50e-04	-4.49e-04
630	129	3.28	-5.71	-0.51	-2.34e-05	-1.35e-04	-2.67e-04
630	144	6.64	-2.92	-0.11	-3.45e-05	1.07e-03	-5.06e-04
630	161	3.71	-6.43	-0.54	-2.06e-05	-1.53e-04	-3.03e-04
630	176	6.68	-2.94	-0.12	-3.43e-05	1.06e-03	-5.07e-04
630	193	3.80	-6.45	-0.54	-2.05e-05	-1.45e-04	-3.10e-04
630	208	7.87	-3.46	-0.09	-3.23e-05	1.24e-03	-5.98e-04
630	225	4.54	-7.60	-0.59	-1.60e-05	-1.64e-04	-3.72e-04
631	28	0.01	-0.39	-0.20	0.0	4.93e-06	0.0
631	44	9.00e-03	-0.61	-0.19	0.0	4.09e-06	0.0
631	52	0.01	-0.06	-0.19	0.0	5.19e-06	0.0
631	80	7.85e-03	-0.27	-0.14	0.0	3.47e-06	0.0
631	88	6.34e-03	-0.41	-0.13	0.0	2.91e-06	0.0
631	92	8.34e-03	-0.04	-0.14	0.0	3.64e-06	0.0
631	98	6.86e-03	-0.04	-0.11	0.0	3.05e-06	0.0
631	105	6.31e-03	-0.11	-0.11	0.0	2.85e-06	0.0
631	107	6.47e-03	-0.04	-0.11	0.0	2.90e-06	0.0
631	112	4.24	-1.94	-0.14	0.0	1.63e-03	-3.59e-04
631	129	2.36	-4.26	-0.25	0.0	9.07e-04	-2.13e-04
631	144	4.78	-2.18	-0.15	0.0	1.83e-03	-4.05e-04
631	161	2.67	-4.80	-0.27	0.0	1.03e-03	-2.41e-04
631	176	4.81	-2.19	-0.15	0.0	1.84e-03	-4.06e-04
631	193	2.73	-4.82	-0.27	0.0	1.05e-03	-2.48e-04
631	208	5.67	-2.58	-0.15	0.0	2.17e-03	-4.78e-04
631	225	3.26	-5.67	-0.29	0.0	1.25e-03	-2.97e-04
632	28	0.01	-0.45	-0.26	0.0	5.18e-06	0.0
632	44	0.01	-0.70	-0.23	0.0	4.38e-06	0.0
632	52	0.01	-0.07	-0.24	0.0	5.41e-06	0.0
632	80	9.44e-03	-0.31	-0.18	0.0	3.66e-06	0.0
632	88	7.70e-03	-0.47	-0.16	0.0	3.13e-06	0.0
632	92	0.01	-0.05	-0.17	0.0	3.82e-06	0.0
632	98	8.26e-03	-0.04	-0.14	0.0	3.22e-06	0.0
632	105	7.62e-03	-0.12	-0.14	0.0	3.03e-06	0.0
632	107	7.81e-03	-0.04	-0.14	0.0	3.08e-06	0.0
632	112	4.94	-2.27	-0.17	0.0	1.62e-03	-4.23e-04
632	129	2.75	-4.99	-0.30	0.0	9.02e-04	-2.51e-04
632	144	5.57	-2.56	-0.18	0.0	1.82e-03	-4.76e-04
632	161	3.11	-5.62	-0.32	0.0	1.02e-03	-2.83e-04
632	176	5.60	-2.57	-0.18	0.0	1.83e-03	-4.78e-04
632	193	3.18	-5.64	-0.31	0.0	1.04e-03	-2.91e-04
632	208	6.60	-3.02	-0.18	0.0	2.16e-03	-5.63e-04
632	225	3.80	-6.65	-0.35	0.0	1.25e-03	-3.49e-04
633	28	0.02	-0.51	-0.35	-1.45e-04	1.47e-05	-4.99e-06
633	44	0.01	-0.80	-0.32	-1.37e-04	9.08e-06	-4.26e-06
633	52	0.02	-0.07	-0.33	-1.36e-04	2.01e-05	-5.26e-06
633	80	0.01	-0.34	-0.24	-1.02e-04	1.07e-05	-3.56e-06
633	88	8.81e-03	-0.53	-0.22	-9.73e-05	6.95e-06	-3.08e-06
633	92	0.01	-0.05	-0.23	-9.64e-05	1.43e-05	-3.74e-06
633	98	9.44e-03	-0.04	-0.19	-8.08e-05	1.21e-05	-3.18e-06
633	105	8.72e-03	-0.13	-0.19	-7.98e-05	1.05e-05	-3.00e-06
633	107	8.94e-03	-0.04	-0.18	-7.78e-05	1.16e-05	-3.06e-06
633	112	5.64	-2.59	-0.23	-2.85e-05	9.60e-04	-4.93e-04
633	129	3.14	-5.70	-0.36	-1.42e-04	-1.45e-04	-2.92e-04
633	144	6.36	-2.92	-0.23	-2.24e-05	1.08e-03	-5.55e-04
633	161	3.55	-6.42	-0.38	-1.50e-04	-1.64e-04	-3.30e-04
633	176	6.39	-2.94	-0.23	-2.53e-05	1.07e-03	-5.57e-04
633	193	3.63	-6.45	-0.38	-1.50e-04	-1.56e-04	-3.38e-04
633	208	7.53	-3.46	-0.24	-1.77e-05	1.25e-03	-6.56e-04
633	225	4.34	-7.59	-0.41	-1.62e-04	-1.76e-04	-4.05e-04

634	28	0.01	-0.39	-0.11	0.0	4.37e-06	0.0
634	44	8.96e-03	-0.60	-0.09	0.0	3.58e-06	0.0
634	52	0.01	-0.06	-0.10	0.0	4.59e-06	-1.35e-06
634	80	7.63e-03	-0.26	-0.07	0.0	3.05e-06	0.0
634	88	6.31e-03	-0.41	-0.07	0.0	2.52e-06	0.0
634	92	7.98e-03	-0.04	-0.07	0.0	3.20e-06	0.0
634	98	6.59e-03	-0.04	-0.06	0.0	2.64e-06	0.0
634	105	6.11e-03	-0.11	-0.06	0.0	2.45e-06	0.0
634	107	6.22e-03	-0.03	-0.06	0.0	2.50e-06	0.0
634	112	4.05	-1.94	-0.04	0.0	1.54e-03	-3.68e-04
634	129	2.25	-4.26	-0.09	0.0	8.61e-04	-2.17e-04
634	144	4.56	-2.18	-0.03	0.0	1.74e-03	-4.15e-04
634	161	2.54	-4.80	-0.09	0.0	9.72e-04	-2.46e-04
634	176	4.58	-2.19	-0.04	0.0	1.75e-03	-4.16e-04
634	193	2.60	-4.82	-0.09	0.0	9.93e-04	-2.52e-04
634	208	5.40	-2.58	-0.03	0.0	2.06e-03	-4.91e-04
634	225	3.10	-5.67	-0.10	0.0	1.19e-03	-3.02e-04
635	28	0.01	-0.45	-0.14	0.0	3.73e-06	0.0
635	44	0.01	-0.70	-0.12	0.0	2.98e-06	0.0
635	52	0.01	-0.06	-0.13	0.0	3.94e-06	-1.29e-06
635	80	8.94e-03	-0.30	-0.10	0.0	2.59e-06	0.0
635	88	7.39e-03	-0.47	-0.09	0.0	2.09e-06	0.0
635	92	9.34e-03	-0.04	-0.09	0.0	2.73e-06	0.0
635	98	7.71e-03	-0.04	-0.08	0.0	2.24e-06	0.0
635	105	7.15e-03	-0.12	-0.08	0.0	2.06e-06	0.0
635	107	7.29e-03	-0.04	-0.07	0.0	2.11e-06	0.0
635	112	4.71	-2.27	-0.05	0.0	1.53e-03	-4.36e-04
635	129	2.62	-4.99	-0.11	0.0	8.52e-04	-2.57e-04
635	144	5.31	-2.56	-0.05	0.0	1.72e-03	-4.91e-04
635	161	2.96	-5.62	-0.12	0.0	9.63e-04	-2.90e-04
635	176	5.33	-2.57	-0.05	0.0	1.73e-03	-4.93e-04
635	193	3.02	-5.64	-0.12	0.0	9.84e-04	-2.98e-04
635	208	6.28	-3.02	-0.05	0.0	2.04e-03	-5.81e-04
635	225	3.61	-6.65	-0.12	0.0	1.17e-03	-3.57e-04
636	28	0.01	-0.51	-0.20	-9.51e-05	2.02e-05	0.0
636	44	0.01	-0.80	-0.17	-9.36e-05	1.42e-05	0.0
636	52	0.01	-0.06	-0.19	-8.56e-05	2.51e-05	0.0
636	80	9.65e-03	-0.34	-0.14	-6.74e-05	1.45e-05	0.0
636	88	7.91e-03	-0.53	-0.12	-6.64e-05	1.06e-05	0.0
636	92	0.01	-0.04	-0.13	-6.11e-05	1.78e-05	0.0
636	98	8.34e-03	-0.04	-0.11	-5.15e-05	1.50e-05	0.0
636	105	7.71e-03	-0.13	-0.11	-5.19e-05	1.34e-05	0.0
636	107	7.87e-03	-0.03	-0.11	-4.98e-05	1.44e-05	0.0
636	112	5.37	-2.60	-0.08	3.83e-06	9.95e-04	-5.04e-04
636	129	2.99	-5.70	-0.15	-1.22e-04	-1.49e-04	-2.96e-04
636	144	6.05	-2.92	-0.08	1.05e-05	1.12e-03	-5.68e-04
636	161	3.37	-6.42	-0.15	-1.31e-04	-1.68e-04	-3.34e-04
636	176	6.07	-2.94	-0.08	6.75e-06	1.11e-03	-5.71e-04
636	193	3.45	-6.45	-0.15	-1.31e-04	-1.61e-04	-3.43e-04
636	208	7.16	-3.46	-0.08	1.45e-05	1.29e-03	-6.73e-04
636	225	4.12	-7.59	-0.16	-1.44e-04	-1.82e-04	-4.12e-04
637	28	0.01	-0.39	-0.08	0.0	5.18e-06	-1.71e-06
637	44	8.55e-03	-0.60	-0.07	0.0	4.32e-06	-1.02e-06
637	52	0.01	-0.06	-0.08	0.0	5.31e-06	-2.19e-06
637	80	7.13e-03	-0.26	-0.06	0.0	3.61e-06	-1.19e-06
637	88	6.02e-03	-0.40	-0.05	0.0	3.03e-06	0.0
637	92	7.31e-03	-0.04	-0.06	0.0	3.70e-06	-1.51e-06
637	98	6.04e-03	-0.03	-0.05	0.0	3.04e-06	-1.23e-06
637	105	5.65e-03	-0.11	-0.04	0.0	2.84e-06	-1.04e-06
637	107	5.72e-03	-0.03	-0.04	0.0	2.87e-06	-1.15e-06
637	112	3.85	-1.94	-0.04	0.0	1.46e-03	-3.73e-04
637	127	0.18	-2.56	-0.05	0.0	6.92e-05	-1.54e-05
637	129	2.14	-4.26	-0.05	0.0	8.14e-04	-2.19e-04
637	144	4.33	-2.18	-0.04	0.0	1.64e-03	-4.20e-04
637	159	0.20	-2.89	-0.05	0.0	7.82e-05	-1.76e-05
637	161	2.41	-4.80	-0.05	0.0	9.20e-04	-2.47e-04
637	176	4.35	-2.19	-0.04	0.0	1.65e-03	-4.22e-04
637	191	0.21	-2.88	-0.05	0.0	8.17e-05	-1.97e-05
637	193	2.46	-4.82	-0.05	0.0	9.38e-04	-2.54e-04
637	208	5.12	-2.58	-0.04	0.0	1.94e-03	-4.97e-04
637	223	0.25	-3.37	-0.05	0.0	9.79e-05	-2.49e-05
637	225	2.94	-5.67	-0.05	0.0	1.12e-03	-3.04e-04
638	28	0.01	-0.45	-0.11	0.0	5.23e-06	0.0
638	44	0.01	-0.70	-0.09	0.0	4.36e-06	0.0
638	52	0.01	-0.06	-0.10	0.0	5.34e-06	-1.33e-06

638	80	8.71e-03	-0.30	-0.07	0.0	3.63e-06	0.0
638	88	7.35e-03	-0.47	-0.06	0.0	3.06e-06	0.0
638	92	8.93e-03	-0.04	-0.07	0.0	3.71e-06	0.0
638	98	7.37e-03	-0.04	-0.06	0.0	3.05e-06	0.0
638	105	6.89e-03	-0.12	-0.06	0.0	2.85e-06	0.0
638	107	6.97e-03	-0.03	-0.06	0.0	2.87e-06	0.0
638	112	4.47	-2.27	-0.05	0.0	1.44e-03	-4.40e-04
638	127	0.21	-3.00	-0.06	0.0	6.83e-05	-1.76e-05
638	129	2.49	-4.99	-0.06	0.0	8.06e-04	-2.58e-04
638	144	5.04	-2.55	-0.05	0.0	1.63e-03	-4.96e-04
638	159	0.24	-3.37	-0.07	0.0	7.72e-05	-2.03e-05
638	161	2.81	-5.62	-0.06	0.0	9.11e-04	-2.92e-04
638	176	5.06	-2.57	-0.05	0.0	1.63e-03	-4.98e-04
638	191	0.25	-3.37	-0.06	0.0	8.07e-05	-2.28e-05
638	193	2.87	-5.64	-0.06	0.0	9.29e-04	-2.99e-04
638	208	5.96	-3.02	-0.05	0.0	1.92e-03	-5.87e-04
638	223	0.29	-3.94	-0.07	0.0	9.68e-05	-2.90e-05
638	225	3.42	-6.65	-0.07	0.0	1.11e-03	-3.59e-04
639	28	0.01	-0.51	-0.15	-5.39e-06	2.57e-05	1.27e-06
639	44	0.01	-0.80	-0.13	-1.25e-05	1.94e-05	1.63e-06
639	52	0.02	-0.06	-0.15	2.10e-06	3.01e-05	0.0
639	80	0.01	-0.34	-0.10	-4.15e-06	1.84e-05	0.0
639	88	8.69e-03	-0.53	-0.09	-8.86e-06	1.42e-05	1.13e-06
639	92	0.01	-0.04	-0.10	0.0	2.13e-05	0.0
639	98	8.70e-03	-0.04	-0.09	0.0	1.80e-05	0.0
639	105	8.13e-03	-0.13	-0.08	-2.06e-06	1.63e-05	0.0
639	107	8.22e-03	-0.03	-0.08	0.0	1.72e-05	0.0
639	112	5.09	-2.60	-0.07	5.62e-05	1.03e-03	-5.03e-04
639	127	0.24	-3.42	-0.09	-8.29e-05	-6.40e-04	-1.90e-05
639	129	2.83	-5.71	-0.09	-5.84e-05	-1.53e-04	-2.95e-04
639	144	5.74	-2.92	-0.07	6.33e-05	1.16e-03	-5.67e-04
639	159	0.27	-3.85	-0.09	-9.32e-05	-7.23e-04	-2.21e-05
639	161	3.20	-6.43	-0.09	-6.57e-05	-1.73e-04	-3.34e-04
639	176	5.76	-2.94	-0.08	6.00e-05	1.14e-03	-5.70e-04
639	191	0.28	-3.84	-0.09	-9.12e-05	-7.13e-04	-2.50e-05
639	193	3.27	-6.45	-0.09	-6.57e-05	-1.66e-04	-3.43e-04
639	208	6.78	-3.46	-0.07	6.88e-05	1.34e-03	-6.72e-04
639	223	0.34	-4.50	-0.09	-1.06e-04	-8.35e-04	-3.21e-05
639	225	3.90	-7.60	-0.09	-7.66e-05	-1.89e-04	-4.11e-04
640	28	9.00e-03	-0.39	-0.09	0.0	6.54e-06	-3.00e-06
640	44	7.81e-03	-0.60	-0.08	0.0	5.56e-06	-1.96e-06
640	80	6.28e-03	-0.26	-0.06	0.0	4.55e-06	-2.09e-06
640	88	5.49e-03	-0.40	-0.05	0.0	3.89e-06	-1.40e-06
640	98	5.18e-03	-0.03	-0.05	0.0	3.76e-06	-2.09e-06
640	105	4.92e-03	-0.11	-0.05	0.0	3.54e-06	-1.81e-06
640	107	4.91e-03	-0.03	-0.05	0.0	3.55e-06	-1.96e-06
640	108	2.94	-1.81	-0.06	0.0	1.11e-03	-3.02e-04
640	112	3.65	-1.94	-0.06	0.0	1.38e-03	-3.71e-04
640	129	2.03	-4.26	-0.05	0.0	7.70e-04	-2.17e-04
640	140	3.32	-2.04	-0.07	0.0	1.25e-03	-3.40e-04
640	144	4.11	-2.18	-0.06	0.0	1.55e-03	-4.18e-04
640	161	2.29	-4.80	-0.05	0.0	8.69e-04	-2.45e-04
640	172	3.32	-2.02	-0.07	0.0	1.26e-03	-3.40e-04
640	176	4.12	-2.19	-0.06	0.0	1.56e-03	-4.20e-04
640	193	2.33	-4.82	-0.05	0.0	8.85e-04	-2.51e-04
640	204	3.91	-2.37	-0.07	0.0	1.48e-03	-3.99e-04
640	208	4.85	-2.58	-0.07	0.0	1.83e-03	-4.94e-04
640	225	2.78	-5.67	-0.04	0.0	1.05e-03	-3.01e-04
641	28	0.01	-0.45	-0.12	0.0	7.05e-06	-1.85e-06
641	44	0.01	-0.70	-0.10	0.0	5.97e-06	0.0
641	80	8.43e-03	-0.30	-0.08	0.0	4.90e-06	-1.29e-06
641	88	7.32e-03	-0.47	-0.07	0.0	4.18e-06	0.0
641	98	6.96e-03	-0.03	-0.07	0.0	4.05e-06	-1.46e-06
641	105	6.59e-03	-0.12	-0.06	0.0	3.81e-06	-1.20e-06
641	107	6.59e-03	-0.03	-0.06	0.0	3.82e-06	-1.36e-06
641	108	3.42	-2.12	-0.08	0.0	1.10e-03	-3.56e-04
641	112	4.24	-2.27	-0.08	0.0	1.36e-03	-4.38e-04
641	129	2.36	-4.99	-0.06	0.0	7.61e-04	-2.56e-04
641	140	3.85	-2.39	-0.08	0.0	1.24e-03	-4.01e-04
641	144	4.78	-2.55	-0.08	0.0	1.54e-03	-4.93e-04
641	161	2.66	-5.62	-0.06	0.0	8.59e-04	-2.90e-04
641	172	3.86	-2.37	-0.08	0.0	1.24e-03	-4.01e-04
641	176	4.79	-2.56	-0.08	0.0	1.54e-03	-4.95e-04
641	193	2.71	-5.64	-0.06	0.0	8.75e-04	-2.97e-04
641	204	4.54	-2.78	-0.08	0.0	1.46e-03	-4.71e-04

641	208	5.64	-3.02	-0.08	0.0	1.81e-03	-5.84e-04
641	225	3.23	-6.65	-0.06	0.0	1.04e-03	-3.57e-04
642	28	0.02	-0.51	-0.16	9.88e-05	3.12e-05	1.03e-06
642	44	0.01	-0.80	-0.13	8.00e-05	2.46e-05	1.40e-06
642	52	0.02	-0.06	-0.16	1.06e-04	3.52e-05	0.0
642	80	0.01	-0.34	-0.11	6.92e-05	2.22e-05	0.0
642	88	9.25e-03	-0.53	-0.09	5.67e-05	1.78e-05	0.0
642	92	0.01	-0.04	-0.11	7.38e-05	2.49e-05	0.0
642	98	8.84e-03	-0.03	-0.09	6.07e-05	2.09e-05	0.0
642	105	8.35e-03	-0.13	-0.09	5.60e-05	1.92e-05	0.0
642	107	8.36e-03	-0.03	-0.09	5.76e-05	2.00e-05	0.0
642	108	3.89	-2.43	-0.10	1.68e-04	1.08e-03	-4.09e-04
642	112	4.82	-2.60	-0.10	1.54e-04	1.07e-03	-5.03e-04
642	129	2.68	-5.71	-0.08	1.42e-06	-1.56e-04	-2.95e-04
642	140	4.38	-2.74	-0.11	1.81e-04	1.21e-03	-4.61e-04
642	144	5.44	-2.93	-0.10	1.66e-04	1.20e-03	-5.68e-04
642	161	3.03	-6.44	-0.08	-5.57e-06	-1.78e-04	-3.34e-04
642	172	4.39	-2.72	-0.10	1.78e-04	1.19e-03	-4.61e-04
642	176	5.45	-2.94	-0.10	1.63e-04	1.18e-03	-5.70e-04
642	193	3.09	-6.46	-0.08	-4.83e-06	-1.71e-04	-3.43e-04
642	204	5.17	-3.19	-0.11	1.98e-04	1.39e-03	-5.42e-04
642	208	6.41	-3.47	-0.11	1.80e-04	1.38e-03	-6.72e-04
642	225	3.68	-7.61	-0.08	-1.45e-05	-1.95e-04	-4.12e-04
643	28	6.67e-03	-0.39	-0.16	0.0	7.82e-06	-5.07e-06
643	44	6.24e-03	-0.60	-0.14	0.0	6.75e-06	-3.48e-06
643	80	4.66e-03	-0.26	-0.11	0.0	5.44e-06	-3.54e-06
643	88	4.37e-03	-0.40	-0.10	0.0	4.72e-06	-2.49e-06
643	98	3.57e-03	-0.03	-0.09	0.0	4.43e-06	-3.47e-06
643	105	3.51e-03	-0.10	-0.09	0.0	4.19e-06	-3.04e-06
643	107	3.40e-03	-0.03	-0.09	0.0	4.18e-06	-3.26e-06
643	108	2.78	-1.81	-0.17	0.0	1.05e-03	-2.98e-04
643	112	3.46	-1.94	-0.16	0.0	1.30e-03	-3.65e-04
643	129	1.92	-4.26	-0.07	0.0	7.25e-04	-2.13e-04
643	140	3.13	-2.03	-0.18	0.0	1.18e-03	-3.35e-04
643	144	3.89	-2.18	-0.17	0.0	1.46e-03	-4.11e-04
643	161	2.17	-4.80	-0.06	0.0	8.18e-04	-2.40e-04
643	172	3.14	-2.02	-0.18	0.0	1.18e-03	-3.34e-04
643	176	3.90	-2.19	-0.17	0.0	1.47e-03	-4.12e-04
643	193	2.20	-4.82	-0.06	0.0	8.31e-04	-2.46e-04
643	204	3.69	-2.37	-0.19	0.0	1.39e-03	-3.92e-04
643	208	4.59	-2.58	-0.19	0.0	1.72e-03	-4.85e-04
643	225	2.62	-5.68	-0.06	0.0	9.89e-04	-2.94e-04
644	4	8.07e-03	0.34	-0.20	0.0	9.61e-06	-6.79e-06
644	28	0.01	-0.44	-0.20	0.0	9.84e-06	-5.21e-06
644	44	9.72e-03	-0.70	-0.17	0.0	8.28e-06	-3.53e-06
644	68	5.71e-03	0.22	-0.14	0.0	6.69e-06	-4.70e-06
644	80	7.52e-03	-0.30	-0.14	0.0	6.85e-06	-3.65e-06
644	88	6.81e-03	-0.47	-0.12	0.0	5.81e-06	-2.53e-06
644	98	5.94e-03	-0.03	-0.12	0.0	5.72e-06	-3.61e-06
644	105	5.75e-03	-0.12	-0.11	0.0	5.36e-06	-3.15e-06
644	107	5.64e-03	-0.03	-0.11	0.0	5.40e-06	-3.40e-06
644	109	4.00	-4.49	-0.20	0.0	1.27e-03	-4.35e-04
644	112	4.01	-2.27	-0.20	0.0	1.28e-03	-4.36e-04
644	129	2.23	-4.99	-0.17	0.0	7.14e-04	-2.55e-04
644	141	4.51	-5.05	-0.21	0.0	1.44e-03	-4.90e-04
644	144	4.52	-2.55	-0.21	0.0	1.44e-03	-4.91e-04
644	161	2.52	-5.62	-0.18	0.0	8.05e-04	-2.88e-04
644	173	4.52	-5.03	-0.21	0.0	1.44e-03	-4.92e-04
644	176	4.53	-2.56	-0.21	0.0	1.44e-03	-4.93e-04
644	193	2.56	-5.64	-0.17	0.0	8.18e-04	-2.96e-04
644	205	5.31	-5.89	-0.23	0.0	1.69e-03	-5.79e-04
644	208	5.33	-3.02	-0.23	0.0	1.69e-03	-5.80e-04
644	225	3.05	-6.64	-0.19	0.0	9.73e-04	-3.54e-04
645	4	0.01	0.39	-0.25	2.32e-04	4.47e-05	3.44e-06
645	28	0.02	-0.51	-0.24	2.14e-04	3.67e-05	3.55e-06
645	44	0.01	-0.79	-0.21	1.80e-04	2.98e-05	3.50e-06
645	68	9.45e-03	0.26	-0.17	1.62e-04	3.14e-05	2.43e-06
645	80	0.01	-0.34	-0.17	1.50e-04	2.61e-05	2.50e-06
645	88	9.86e-03	-0.53	-0.14	1.28e-04	2.14e-05	2.46e-06
645	98	9.05e-03	-0.03	-0.14	1.29e-04	2.39e-05	1.86e-06
645	105	8.64e-03	-0.13	-0.13	1.21e-04	2.21e-05	1.88e-06
645	107	8.57e-03	-0.03	-0.13	1.23e-04	2.28e-05	1.79e-06
645	108	3.67	-2.44	-0.24	2.92e-04	1.11e-03	-4.08e-04
645	112	4.56	-2.60	-0.23	2.73e-04	1.10e-03	-5.02e-04
645	129	2.54	-5.72	-0.11	4.94e-05	-1.60e-04	-2.94e-04

645	140	4.13	-2.74	-0.25	3.13e-04	1.25e-03	-4.60e-04
645	144	5.14	-2.93	-0.25	2.92e-04	1.24e-03	-5.67e-04
645	161	2.86	-6.45	-0.11	4.03e-05	-1.83e-04	-3.32e-04
645	172	4.14	-2.72	-0.25	3.09e-04	1.23e-03	-4.60e-04
645	176	5.14	-2.94	-0.25	2.88e-04	1.22e-03	-5.69e-04
645	193	2.91	-6.47	-0.11	4.15e-05	-1.76e-04	-3.41e-04
645	204	4.86	-3.19	-0.27	3.39e-04	1.43e-03	-5.41e-04
645	208	6.05	-3.47	-0.26	3.14e-04	1.42e-03	-6.71e-04
645	225	3.46	-7.62	-0.11	2.92e-05	-2.01e-04	-4.10e-04
646	19	-3.46e-03	0.54	-0.09	-2.23e-04	0.0	-1.30e-05
646	28	2.65e-03	-0.39	-0.29	1.39e-04	0.0	-4.96e-06
646	44	3.44e-03	-0.60	-0.25	2.27e-04	0.0	0.0
646	80	1.84e-03	-0.26	-0.20	9.28e-05	0.0	-3.79e-06
646	88	2.37e-03	-0.40	-0.18	1.51e-04	0.0	0.0
646	98	8.25e-04	-0.03	-0.16	3.09e-06	0.0	-6.49e-06
646	105	1.10e-03	-0.10	-0.16	3.24e-05	0.0	-5.02e-06
646	107	8.12e-04	-0.03	-0.16	2.83e-06	0.0	-6.25e-06
646	109	3.27	-3.83	-0.52	1.52e-03	0.0	-1.99e-04
646	112	3.27	-1.93	-0.45	7.64e-04	0.0	-2.57e-04
646	129	1.82	-4.26	-0.37	1.69e-03	0.0	1.43e-05
646	141	3.68	-4.31	-0.57	1.71e-03	0.0	-2.23e-04
646	144	3.69	-2.18	-0.48	8.61e-04	0.0	-2.88e-04
646	161	2.05	-4.80	-0.39	1.90e-03	0.0	1.65e-05
646	173	3.68	-4.29	-0.57	1.71e-03	0.0	-2.23e-04
646	176	3.69	-2.19	-0.48	8.66e-04	0.0	-2.88e-04
646	193	2.08	-4.82	-0.39	1.91e-03	0.0	1.26e-05
646	205	4.33	-5.03	-0.64	2.00e-03	0.0	-2.60e-04
646	208	4.34	-2.58	-0.54	1.02e-03	0.0	-3.38e-04
646	225	2.48	-5.68	-0.44	2.25e-03	0.0	1.31e-05
647	4	4.73e-04	0.34	-0.38	-1.31e-04	0.0	-9.56e-06
647	44	5.28e-03	-0.69	-0.32	2.27e-04	0.0	7.55e-06
647	68	4.42e-04	0.22	-0.26	-8.75e-05	0.0	-6.61e-06
647	88	3.65e-03	-0.46	-0.23	1.51e-04	0.0	4.80e-06
647	98	1.91e-03	-0.03	-0.22	1.94e-06	0.0	-2.41e-06
647	105	2.15e-03	-0.12	-0.21	3.14e-05	0.0	0.0
647	107	1.83e-03	-0.03	-0.21	1.65e-06	0.0	-2.36e-06
647	108	3.04	-2.12	-0.60	7.22e-04	0.0	-3.04e-04
647	112	3.79	-2.26	-0.58	7.67e-04	0.0	-3.09e-04
647	129	2.11	-4.99	-0.12	1.69e-03	0.0	1.59e-05
647	140	3.42	-2.38	-0.65	8.13e-04	0.0	-3.43e-04
647	144	4.27	-2.55	-0.63	8.65e-04	0.0	-3.48e-04
647	161	2.38	-5.62	-0.11	1.91e-03	0.0	1.79e-05
647	172	3.42	-2.37	-0.64	8.09e-04	0.0	-3.41e-04
647	176	4.27	-2.56	-0.62	8.70e-04	0.0	-3.47e-04
647	193	2.41	-5.64	-0.11	1.92e-03	0.0	1.42e-05
647	204	4.02	-2.77	-0.72	9.50e-04	0.0	-4.01e-04
647	208	5.02	-3.02	-0.70	1.03e-03	0.0	-4.08e-04
647	225	2.87	-6.64	-0.10	2.26e-03	0.0	1.44e-05
648	4	0.02	0.40	-0.51	3.17e-04	4.95e-05	0.0
648	28	0.02	-0.50	-0.48	2.98e-04	4.22e-05	0.0
648	44	0.02	-0.79	-0.41	2.52e-04	3.49e-05	0.0
648	68	0.01	0.26	-0.35	2.21e-04	3.48e-05	0.0
648	80	0.01	-0.34	-0.34	2.09e-04	2.99e-05	0.0
648	88	0.01	-0.53	-0.29	1.78e-04	2.51e-05	0.0
648	98	0.01	-0.03	-0.29	1.78e-04	2.68e-05	0.0
648	105	0.01	-0.13	-0.27	1.67e-04	2.50e-05	0.0
648	107	0.01	-0.03	-0.27	1.69e-04	2.56e-05	0.0
648	108	3.45	-2.44	-0.69	3.05e-04	1.15e-03	-3.88e-04
648	112	4.30	-2.60	-0.65	2.87e-04	1.14e-03	-4.77e-04
648	129	2.40	-5.73	-0.14	9.78e-05	-1.64e-04	-2.78e-04
648	140	3.89	-2.74	-0.74	3.22e-04	1.29e-03	-4.37e-04
648	144	4.84	-2.93	-0.70	3.02e-04	1.28e-03	-5.38e-04
648	161	2.70	-6.46	-0.12	8.90e-05	-1.87e-04	-3.14e-04
648	172	3.88	-2.72	-0.73	3.18e-04	1.27e-03	-4.38e-04
648	176	4.84	-2.94	-0.70	2.98e-04	1.26e-03	-5.41e-04
648	193	2.74	-6.48	-0.13	8.94e-05	-1.81e-04	-3.23e-04
648	204	4.56	-3.19	-0.81	3.41e-04	1.47e-03	-5.15e-04
648	208	5.69	-3.47	-0.77	3.18e-04	1.47e-03	-6.38e-04
648	225	3.26	-7.64	-0.11	7.68e-05	-2.07e-04	-3.88e-04
649	18	0.02	0.09	-0.04	0.0	3.96e-05	8.92e-06
649	28	0.03	-0.04	-0.08	0.0	5.77e-05	1.74e-05
649	75	0.01	0.06	-0.03	0.0	2.82e-05	6.49e-06
649	80	0.02	-0.03	-0.06	0.0	4.03e-05	1.21e-05
649	98	0.02	6.93e-03	-0.04	0.0	3.11e-05	8.82e-06
649	103	0.01	0.02	-0.04	0.0	2.87e-05	7.86e-06

649	105	0.02	-4.34e-03	-0.04	0.0	3.06e-05	8.96e-06
649	107	0.01	6.71e-03	-0.04	0.0	2.96e-05	8.41e-06
649	113	0.23	0.28	0.01	0.0	6.88e-04	-1.12e-04
649	127	-0.12	-0.56	-0.14	0.0	-3.98e-04	1.11e-04
649	136	-0.05	0.64	0.05	0.0	-1.50e-04	-7.04e-05
649	145	0.25	0.31	0.02	0.0	7.71e-04	-1.27e-04
649	159	-0.13	-0.63	-0.15	0.0	-4.51e-04	1.24e-04
649	168	-0.06	0.72	0.06	0.0	-1.73e-04	-8.04e-05
649	177	0.24	0.31	0.02	0.0	7.40e-04	-1.25e-04
649	191	-0.13	-0.61	-0.15	0.0	-4.31e-04	1.23e-04
649	200	-0.06	0.72	0.06	0.0	-1.74e-04	-7.97e-05
649	209	0.28	0.36	0.03	0.0	8.47e-04	-1.48e-04
649	227	-0.13	-0.73	-0.17	0.0	-4.37e-04	1.31e-04
649	232	-0.07	0.85	0.08	0.0	-2.07e-04	-9.56e-05
650	18	0.02	0.23	-0.03	-5.25e-04	0.0	2.40e-04
650	28	0.03	-0.09	-0.04	2.07e-04	0.0	-8.30e-05
650	75	0.01	0.16	-0.02	-3.51e-04	0.0	1.59e-04
650	80	0.02	-0.06	-0.03	1.37e-04	0.0	-5.57e-05
650	98	0.01	3.89e-03	-0.02	-8.54e-06	0.0	-4.53e-06
650	103	0.01	0.03	-0.02	-7.67e-05	0.0	2.85e-05
650	107	0.01	3.77e-03	-0.02	-8.30e-06	0.0	-4.38e-06
650	113	0.22	0.27	-0.02	-6.65e-04	0.0	-2.72e-05
650	136	-0.05	0.67	-0.01	-1.67e-03	0.0	4.66e-05
650	139	0.08	-0.66	-0.03	1.65e-03	0.0	-5.53e-05
650	145	0.25	0.30	-0.02	-7.48e-04	0.0	-3.00e-05
650	168	-0.06	0.75	-0.01	-1.88e-03	0.0	5.28e-05
650	171	0.08	-0.75	-0.03	1.86e-03	0.0	-6.16e-05
650	177	0.24	0.30	-0.02	-7.43e-04	0.0	-2.94e-05
650	200	-0.06	0.75	-0.01	-1.89e-03	0.0	5.12e-05
650	203	0.08	-0.75	-0.03	1.87e-03	0.0	-6.00e-05
650	209	0.27	0.35	-0.02	-8.71e-04	0.0	-3.36e-05
650	232	-0.07	0.89	-0.01	-2.22e-03	0.0	6.01e-05
650	235	0.10	-0.88	-0.03	2.20e-03	0.0	-6.88e-05
651	1	0.0	0.0	0.0	-3.34e-04	0.0	2.34e-05
651	65	0.0	0.0	0.0	-2.23e-04	0.0	1.55e-05
651	97	0.0	0.0	0.0	-7.31e-06	0.0	0.0
651	106	0.0	0.0	0.0	-7.31e-06	0.0	0.0
651	108	0.0	0.0	0.0	-1.42e-03	0.0	0.0
651	140	0.0	0.0	0.0	-1.59e-03	0.0	0.0
651	172	0.0	0.0	0.0	-1.58e-03	0.0	0.0
651	204	0.0	0.0	0.0	-1.84e-03	0.0	0.0
652	18	0.03	0.18	-0.08	0.0	3.56e-05	1.46e-05
652	28	0.05	-0.08	-0.15	0.0	4.80e-05	2.55e-05
652	75	0.02	0.12	-0.06	0.0	2.52e-05	1.05e-05
652	80	0.04	-0.05	-0.10	0.0	3.35e-05	1.78e-05
652	98	0.03	0.01	-0.08	0.0	2.63e-05	1.32e-05
652	103	0.02	0.03	-0.07	0.0	2.45e-05	1.19e-05
652	105	0.03	-0.01	-0.08	0.0	2.57e-05	1.33e-05
652	107	0.03	0.01	-0.07	0.0	2.50e-05	1.26e-05
652	113	0.51	0.56	0.02	0.0	8.44e-04	-1.87e-04
652	127	-0.28	-1.13	-0.26	0.0	-5.19e-04	1.78e-04
652	136	-0.11	1.29	0.10	0.0	-1.85e-04	-1.17e-04
652	145	0.57	0.63	0.03	0.0	9.46e-04	-2.12e-04
652	159	-0.32	-1.28	-0.29	0.0	-5.86e-04	1.98e-04
652	168	-0.13	1.46	0.12	0.0	-2.11e-04	-1.33e-04
652	177	0.54	0.63	0.03	0.0	9.09e-04	-2.10e-04
652	191	-0.31	-1.25	-0.28	0.0	-5.62e-04	1.96e-04
652	200	-0.13	1.46	0.12	0.0	-2.12e-04	-1.33e-04
652	209	0.62	0.73	0.05	0.0	1.04e-03	-2.48e-04
652	227	-0.31	-1.48	-0.32	0.0	-5.72e-04	2.12e-04
652	232	-0.15	1.72	0.16	0.0	-2.49e-04	-1.60e-04
653	18	0.03	0.44	-0.04	-4.59e-04	0.0	4.39e-04
653	28	0.05	-0.17	-0.07	1.90e-04	0.0	-1.50e-04
653	75	0.02	0.29	-0.03	-3.07e-04	0.0	2.92e-04
653	80	0.03	-0.11	-0.05	1.26e-04	0.0	-1.00e-04
653	98	0.03	7.25e-03	-0.04	-7.54e-06	0.0	-7.47e-06
653	103	0.02	0.06	-0.03	-6.71e-05	0.0	5.27e-05
653	107	0.02	7.05e-03	-0.04	-7.34e-06	0.0	-7.22e-06
653	113	0.50	0.53	-0.03	-6.65e-04	0.0	-5.88e-05
653	136	-0.11	1.34	-0.02	-1.67e-03	0.0	8.12e-05
653	139	0.16	-1.32	-0.05	1.66e-03	0.0	-9.57e-05
653	145	0.56	0.60	-0.03	-7.49e-04	0.0	-6.52e-05
653	168	-0.13	1.51	-0.02	-1.88e-03	0.0	9.20e-05
653	171	0.18	-1.49	-0.06	1.87e-03	0.0	-1.06e-04
653	177	0.54	0.59	-0.03	-7.44e-04	0.0	-6.43e-05

653	200	-0.13	1.51	-0.02	-1.89e-03	0.0	8.86e-05
653	203	0.18	-1.50	-0.06	1.87e-03	0.0	-1.03e-04
653	209	0.61	0.70	-0.03	-8.72e-04	0.0	-7.40e-05
653	232	-0.15	1.78	-0.01	-2.22e-03	0.0	1.04e-04
653	235	0.20	-1.76	-0.06	2.21e-03	0.0	-1.18e-04
654	18	0.05	0.28	-0.12	0.0	2.71e-05	2.65e-05
654	28	0.07	-0.13	-0.21	0.0	3.26e-05	4.10e-05
654	75	0.04	0.19	-0.08	0.0	1.91e-05	1.90e-05
654	80	0.05	-0.08	-0.15	0.0	2.28e-05	2.87e-05
654	98	0.04	0.02	-0.11	0.0	1.84e-05	2.19e-05
654	103	0.04	0.05	-0.10	0.0	1.74e-05	2.00e-05
654	105	0.04	-0.02	-0.11	0.0	1.77e-05	2.17e-05
654	107	0.04	0.02	-0.10	0.0	1.74e-05	2.08e-05
654	113	0.91	0.85	0.02	0.0	9.77e-04	-1.58e-04
654	127	-0.53	-1.72	-0.37	0.0	-6.34e-04	1.57e-04
654	136	-0.20	1.96	0.14	0.0	-2.13e-04	-9.33e-05
654	145	1.02	0.95	0.04	0.0	1.10e-03	-1.81e-04
654	159	-0.61	-1.94	-0.41	0.0	-7.14e-04	1.74e-04
654	168	-0.23	2.20	0.17	0.0	-2.42e-04	-1.08e-04
654	177	0.98	0.94	0.04	0.0	1.05e-03	-1.79e-04
654	191	-0.58	-1.90	-0.40	0.0	-6.87e-04	1.74e-04
654	200	-0.23	2.21	0.17	0.0	-2.42e-04	-1.12e-04
654	209	1.12	1.11	0.06	0.0	1.21e-03	-2.15e-04
654	227	-0.59	-2.25	-0.45	0.0	-7.02e-04	1.96e-04
654	232	-0.27	2.61	0.22	0.0	-2.83e-04	-1.39e-04
655	18	0.05	0.61	-0.05	-3.65e-04	0.0	5.76e-04
655	28	0.07	-0.24	-0.09	1.65e-04	0.0	-1.96e-04
655	75	0.04	0.41	-0.04	-2.44e-04	0.0	3.83e-04
655	80	0.05	-0.16	-0.06	1.09e-04	0.0	-1.32e-04
655	98	0.04	0.01	-0.05	-6.22e-06	0.0	-9.73e-06
655	103	0.04	0.09	-0.04	-5.36e-05	0.0	6.92e-05
655	107	0.04	9.82e-03	-0.04	-6.06e-06	0.0	-9.42e-06
655	113	0.91	0.80	-0.04	-6.65e-04	0.0	-9.26e-05
655	136	-0.20	2.01	-0.02	-1.67e-03	0.0	9.83e-05
655	139	0.27	-1.99	-0.07	1.66e-03	0.0	-1.17e-04
655	145	1.02	0.90	-0.04	-7.49e-04	0.0	-1.03e-04
655	168	-0.23	2.26	-0.01	-1.88e-03	0.0	1.11e-04
655	171	0.30	-2.24	-0.08	1.87e-03	0.0	-1.30e-04
655	177	0.98	0.89	-0.04	-7.43e-04	0.0	-1.02e-04
655	200	-0.23	2.27	-0.01	-1.89e-03	0.0	1.07e-04
655	203	0.30	-2.25	-0.08	1.88e-03	0.0	-1.25e-04
655	209	1.12	1.05	-0.03	-8.72e-04	0.0	-1.18e-04
655	232	-0.27	2.67	-7.29e-03	-2.22e-03	0.0	1.24e-04
655	235	0.35	-2.65	-0.08	2.21e-03	0.0	-1.43e-04
656	18	0.02	0.37	-5.13e-03	-8.09e-04	0.0	2.41e-04
656	28	0.03	-0.13	-7.20e-03	3.04e-04	0.0	-8.19e-05
656	75	0.01	0.25	-3.78e-03	-5.39e-04	0.0	1.60e-04
656	80	0.02	-0.09	-5.16e-03	2.02e-04	0.0	-5.49e-05
656	98	0.01	1.56e-03	-4.26e-03	-3.83e-06	0.0	-3.97e-06
656	103	0.01	0.05	-4.00e-03	-1.11e-04	0.0	2.90e-05
656	107	0.01	1.53e-03	-4.13e-03	-3.75e-06	0.0	-3.84e-06
656	113	0.22	0.25	-6.04e-03	-6.24e-04	0.0	-3.00e-05
656	133	0.17	-0.43	-6.16e-03	1.08e-03	0.0	-5.52e-05
656	136	-0.05	0.69	-2.88e-03	-1.71e-03	0.0	3.95e-05
656	145	0.25	0.28	-6.28e-03	-7.03e-04	0.0	-3.33e-05
656	165	0.19	-0.49	-6.42e-03	1.22e-03	0.0	-6.15e-05
656	168	-0.06	0.78	-2.72e-03	-1.93e-03	0.0	4.48e-05
656	177	0.24	0.28	-6.15e-03	-6.98e-04	0.0	-3.28e-05
656	197	0.18	-0.49	-6.36e-03	1.21e-03	0.0	-5.99e-05
656	200	-0.06	0.78	-2.71e-03	-1.94e-03	0.0	4.31e-05
656	209	0.27	0.33	-6.43e-03	-8.18e-04	0.0	-3.77e-05
656	229	0.20	-0.57	-6.70e-03	1.42e-03	0.0	-6.91e-05
656	232	-0.07	0.92	-2.46e-03	-2.28e-03	0.0	5.04e-05
657	1	0.0	0.0	0.0	-5.14e-04	0.0	2.55e-05
657	65	0.0	0.0	0.0	-3.43e-04	0.0	1.69e-05
657	97	0.0	0.0	0.0	-3.28e-06	0.0	0.0
657	106	0.0	0.0	0.0	-3.28e-06	0.0	0.0
657	108	0.0	0.0	0.0	-1.41e-03	0.0	0.0
657	140	0.0	0.0	0.0	-1.59e-03	0.0	0.0
657	172	0.0	0.0	0.0	-1.57e-03	0.0	0.0
657	204	0.0	0.0	0.0	-1.83e-03	0.0	0.0
658	18	0.03	0.69	-8.67e-03	-6.81e-04	0.0	4.46e-04
658	28	0.05	-0.26	-0.01	2.66e-04	0.0	-1.51e-04
658	75	0.02	0.46	-6.40e-03	-4.55e-04	0.0	2.97e-04
658	80	0.03	-0.17	-8.64e-03	1.77e-04	0.0	-1.01e-04

658	98	0.02	3.09e-03	-7.15e-03	-3.66e-06	0.0	-7.16e-06
658	103	0.02	0.09	-6.74e-03	-9.38e-05	0.0	5.39e-05
658	107	0.02	3.02e-03	-6.93e-03	-3.58e-06	0.0	-6.92e-06
658	113	0.48	0.50	-0.01	-6.21e-04	0.0	-6.20e-05
658	133	0.36	-0.86	-0.01	1.07e-03	0.0	-1.08e-04
658	136	-0.10	1.38	-5.00e-03	-1.70e-03	0.0	7.62e-05
658	145	0.54	0.56	-0.01	-6.99e-04	0.0	-6.88e-05
658	165	0.40	-0.97	-0.01	1.20e-03	0.0	-1.21e-04
658	168	-0.12	1.55	-4.76e-03	-1.92e-03	0.0	8.63e-05
658	177	0.52	0.56	-0.01	-6.94e-04	0.0	-6.80e-05
658	197	0.39	-0.97	-0.01	1.20e-03	0.0	-1.17e-04
658	200	-0.12	1.55	-4.73e-03	-1.92e-03	0.0	8.28e-05
658	209	0.59	0.66	-0.01	-8.14e-04	0.0	-7.83e-05
658	229	0.44	-1.14	-0.01	1.40e-03	0.0	-1.35e-04
658	232	-0.15	1.83	-4.35e-03	-2.26e-03	0.0	9.67e-05
659	18	0.05	0.94	-0.01	-4.98e-04	0.0	5.77e-04
659	28	0.07	-0.36	-0.02	2.12e-04	0.0	-1.96e-04
659	75	0.04	0.63	-8.70e-03	-3.33e-04	0.0	3.84e-04
659	80	0.05	-0.24	-0.01	1.41e-04	0.0	-1.32e-04
659	98	0.04	4.52e-03	-9.68e-03	-3.36e-06	0.0	-9.69e-06
659	103	0.04	0.13	-9.13e-03	-6.91e-05	0.0	6.94e-05
659	107	0.04	4.42e-03	-9.38e-03	-3.29e-06	0.0	-9.37e-06
659	113	0.91	0.75	-8.15e-03	-6.16e-04	0.0	-9.45e-05
659	127	-0.54	-1.82	-0.01	1.50e-03	0.0	-9.94e-05
659	136	-0.20	2.05	-7.05e-03	-1.68e-03	0.0	9.50e-05
659	145	1.02	0.84	-8.00e-03	-6.93e-04	0.0	-1.05e-04
659	159	-0.61	-2.05	-0.01	1.68e-03	0.0	-1.11e-04
659	168	-0.23	2.31	-6.75e-03	-1.89e-03	0.0	1.08e-04
659	177	0.98	0.84	-8.00e-03	-6.89e-04	0.0	-1.04e-04
659	200	-0.23	2.32	-6.73e-03	-1.89e-03	0.0	1.03e-04
659	203	0.30	-2.31	-0.01	1.89e-03	0.0	-1.21e-04
659	209	1.12	0.98	-7.75e-03	-8.08e-04	0.0	-1.20e-04
659	219	-0.46	-2.42	-0.01	1.99e-03	0.0	2.55e-05
659	232	-0.27	2.73	-6.25e-03	-2.23e-03	0.0	1.20e-04
660	19	3.98e-03	0.51	-2.02e-03	-1.08e-03	0.0	2.50e-04
660	28	0.02	-0.18	-3.81e-03	3.96e-04	0.0	-8.35e-05
660	72	5.45e-03	0.34	-2.11e-03	-7.22e-04	0.0	1.66e-04
660	80	0.01	-0.12	-2.80e-03	2.64e-04	0.0	-5.59e-05
660	98	0.01	-5.41e-04	-2.53e-03	0.0	0.0	-3.79e-06
660	102	7.04e-03	0.07	-2.18e-03	-1.44e-04	0.0	3.08e-05
660	107	0.01	-5.08e-04	-2.48e-03	0.0	0.0	-3.67e-06
660	108	0.21	0.56	-0.02	-1.39e-03	0.0	-5.59e-06
660	113	0.22	0.23	-0.02	-5.85e-04	0.0	-3.10e-05
660	139	0.07	-0.71	-7.46e-03	1.75e-03	0.0	-4.45e-05
660	140	0.24	0.63	-0.03	-1.57e-03	0.0	-5.86e-06
660	145	0.25	0.26	-0.03	-6.59e-04	0.0	-3.44e-05
660	171	0.08	-0.80	-8.09e-03	1.98e-03	0.0	-4.94e-05
660	172	0.23	0.62	-0.03	-1.55e-03	0.0	-6.12e-06
660	177	0.24	0.26	-0.03	-6.54e-04	0.0	-3.40e-05
660	203	0.08	-0.80	-8.09e-03	1.98e-03	0.0	-4.76e-05
660	204	0.26	0.73	-0.03	-1.81e-03	0.0	-6.70e-06
660	209	0.27	0.31	-0.03	-7.68e-04	0.0	-3.91e-05
660	235	0.09	-0.94	-8.96e-03	2.33e-03	0.0	-5.45e-05
661	1	0.0	0.0	0.0	-6.90e-04	0.0	2.46e-05
661	65	0.0	0.0	0.0	-4.60e-04	0.0	1.63e-05
661	97	0.0	0.0	0.0	0.0	0.0	0.0
661	106	0.0	0.0	0.0	0.0	0.0	0.0
661	108	0.0	0.0	0.0	-1.40e-03	0.0	0.0
661	140	0.0	0.0	0.0	-1.58e-03	0.0	0.0
661	172	0.0	0.0	0.0	-1.56e-03	0.0	0.0
661	204	0.0	0.0	0.0	-1.82e-03	0.0	0.0
662	19	8.03e-03	0.96	-3.48e-03	-8.90e-04	0.0	4.81e-04
662	28	0.04	-0.35	-6.31e-03	3.37e-04	0.0	-1.60e-04
662	72	0.01	0.64	-3.60e-03	-5.93e-04	0.0	3.19e-04
662	80	0.03	-0.23	-4.65e-03	2.25e-04	0.0	-1.07e-04
662	98	0.02	-9.45e-04	-4.24e-03	0.0	0.0	-7.07e-06
662	102	0.01	0.13	-3.67e-03	-1.19e-04	0.0	5.93e-05
662	107	0.02	-8.82e-04	-4.16e-03	0.0	0.0	-6.84e-06
662	108	0.45	1.12	-0.05	-1.38e-03	0.0	-1.24e-05
662	113	0.46	0.47	-0.05	-5.81e-04	0.0	-6.36e-05
662	139	0.14	-1.41	-0.01	1.73e-03	0.0	-8.87e-05
662	140	0.50	1.26	-0.05	-1.55e-03	0.0	-1.32e-05
662	145	0.51	0.53	-0.05	-6.55e-04	0.0	-7.07e-05
662	171	0.16	-1.59	-0.02	1.95e-03	0.0	-9.86e-05
662	172	0.48	1.25	-0.05	-1.53e-03	0.0	-1.37e-05

662	177	0.49	0.52	-0.05	-6.50e-04	0.0	-6.98e-05
662	203	0.16	-1.59	-0.02	1.95e-03	0.0	-9.49e-05
662	204	0.55	1.46	-0.06	-1.79e-03	0.0	-1.52e-05
662	209	0.56	0.61	-0.06	-7.63e-04	0.0	-8.06e-05
662	235	0.18	-1.87	-0.02	2.29e-03	0.0	-1.09e-04
663	19	0.02	1.28	-5.81e-03	-6.19e-04	0.0	5.91e-04
663	28	0.07	-0.47	-0.01	2.54e-04	0.0	-1.98e-04
663	72	0.02	0.85	-5.95e-03	-4.13e-04	0.0	3.91e-04
663	80	0.05	-0.31	-7.42e-03	1.69e-04	0.0	-1.33e-04
663	98	0.04	-1.03e-03	-6.83e-03	0.0	0.0	-9.65e-06
663	102	0.02	0.17	-6.01e-03	-8.32e-05	0.0	7.23e-05
663	107	0.04	-9.46e-04	-6.71e-03	0.0	0.0	-9.34e-06
663	108	0.90	1.67	-0.09	-1.35e-03	0.0	-2.80e-05
663	113	0.92	0.70	-0.09	-5.73e-04	0.0	-9.53e-05
663	139	0.27	-2.10	-0.03	1.68e-03	0.0	-1.12e-04
663	140	1.01	1.88	-0.10	-1.52e-03	0.0	-3.05e-05
663	145	1.03	0.79	-0.10	-6.46e-04	0.0	-1.06e-04
663	171	0.30	-2.37	-0.03	1.90e-03	0.0	-1.25e-04
663	172	0.97	1.86	-0.09	-1.51e-03	0.0	-3.11e-05
663	177	0.99	0.78	-0.09	-6.41e-04	0.0	-1.05e-04
663	203	0.30	-2.37	-0.03	1.90e-03	0.0	-1.20e-04
663	204	1.11	2.17	-0.11	-1.76e-03	0.0	-3.53e-05
663	209	1.13	0.92	-0.11	-7.53e-04	0.0	-1.21e-04
663	235	0.35	-2.78	-0.03	2.23e-03	0.0	-1.37e-04
664	18	0.06	0.38	-0.16	0.0	1.11e-05	3.34e-05
664	28	0.08	-0.18	-0.28	0.0	7.78e-06	4.79e-05
664	75	0.04	0.25	-0.12	0.0	7.68e-06	2.38e-05
664	80	0.06	-0.12	-0.20	0.0	5.46e-06	3.34e-05
664	98	0.05	0.02	-0.15	0.0	5.12e-06	2.59e-05
664	103	0.04	0.07	-0.13	0.0	5.30e-06	2.40e-05
664	105	0.04	-0.03	-0.15	0.0	4.59e-06	2.55e-05
664	107	0.04	0.02	-0.14	0.0	4.85e-06	2.47e-05
664	113	1.40	1.17	0.01	0.0	9.81e-04	-1.44e-04
664	127	-0.86	-2.39	-0.48	0.0	-6.75e-04	1.45e-05
664	136	-0.30	2.72	0.17	0.0	-2.11e-04	-1.21e-04
664	145	1.57	1.31	0.03	0.0	1.10e-03	-1.65e-04
664	159	-0.97	-2.69	-0.53	0.0	-7.60e-04	1.32e-05
664	168	-0.35	3.06	0.21	0.0	-2.38e-04	-1.40e-04
664	177	1.50	1.31	0.03	0.0	1.06e-03	-1.59e-04
664	191	-0.93	-2.64	-0.52	0.0	-7.33e-04	1.35e-05
664	200	-0.35	3.07	0.21	0.0	-2.38e-04	-1.40e-04
664	209	1.72	1.53	0.06	0.0	1.22e-03	-1.88e-04
664	227	-0.95	-3.13	-0.58	0.0	-7.52e-04	1.30e-05
664	232	-0.41	3.62	0.28	0.0	-2.75e-04	-1.70e-04
665	1	0.0	0.0	0.0	0.0	2.53e-05	0.0
665	65	0.0	0.0	0.0	0.0	1.88e-05	0.0
665	97	0.0	0.0	0.0	0.0	2.21e-05	0.0
665	106	0.0	0.0	0.0	0.0	2.21e-05	0.0
665	108	0.0	0.0	0.0	0.0	6.15e-04	-1.23e-05
665	140	0.0	0.0	0.0	0.0	6.87e-04	-1.40e-05
665	172	0.0	0.0	0.0	0.0	6.58e-04	-1.39e-05
665	204	0.0	0.0	0.0	0.0	7.52e-04	-1.64e-05
666	18	0.06	0.75	-0.06	-2.41e-04	0.0	6.41e-04
666	28	0.08	-0.31	-0.10	1.32e-04	0.0	-2.20e-04
666	75	0.04	0.50	-0.05	-1.61e-04	0.0	4.26e-04
666	80	0.06	-0.21	-0.07	8.78e-05	0.0	-1.47e-04
666	98	0.04	0.01	-0.05	-4.44e-06	0.0	-1.15e-05
666	103	0.04	0.11	-0.05	-3.57e-05	0.0	7.64e-05
666	107	0.04	0.01	-0.05	-4.34e-06	0.0	-1.12e-05
666	113	1.40	1.10	-0.04	-6.63e-04	0.0	-1.35e-04
666	136	-0.30	2.76	-0.01	-1.67e-03	0.0	9.77e-05
666	139	0.39	-2.73	-0.09	1.66e-03	0.0	-1.20e-04
666	145	1.56	1.23	-0.04	-7.46e-04	0.0	-1.50e-04
666	168	-0.35	3.11	-9.13e-03	-1.88e-03	0.0	1.11e-04
666	171	0.43	-3.08	-0.10	1.87e-03	0.0	-1.33e-04
666	177	1.50	1.23	-0.04	-7.41e-04	0.0	-1.49e-04
666	200	-0.35	3.12	-9.08e-03	-1.88e-03	0.0	1.05e-04
666	203	0.43	-3.09	-0.10	1.88e-03	0.0	-1.27e-04
666	209	1.72	1.44	-0.04	-8.69e-04	0.0	-1.73e-04
666	232	-0.41	3.67	-1.45e-03	-2.22e-03	0.0	1.22e-04
666	235	0.50	-3.64	-0.10	2.21e-03	0.0	-1.44e-04
667	18	0.06	0.83	-0.07	-1.16e-04	0.0	6.02e-04
667	28	0.08	-0.36	-0.11	9.98e-05	0.0	-2.10e-04
667	75	0.04	0.55	-0.05	-7.78e-05	0.0	4.01e-04
667	80	0.05	-0.24	-0.08	6.63e-05	0.0	-1.41e-04

667	98	0.04	0.01	-0.06	-2.26e-06	0.0	-1.25e-05
667	103	0.04	0.12	-0.06	-1.73e-05	0.0	7.06e-05
667	107	0.04	0.01	-0.06	-2.23e-06	0.0	-1.21e-05
667	113	1.86	1.39	-0.04	-6.58e-04	0.0	-1.83e-04
667	127	-1.19	-3.11	-0.10	1.49e-03	0.0	-9.76e-05
667	136	-0.40	3.51	-0.01	-1.66e-03	0.0	7.65e-05
667	145	2.08	1.57	-0.04	-7.41e-04	0.0	-2.04e-04
667	159	-1.34	-3.50	-0.11	1.67e-03	0.0	-1.08e-04
667	168	-0.46	3.95	-7.13e-03	-1.87e-03	0.0	8.68e-05
667	177	2.00	1.56	-0.04	-7.36e-04	0.0	-2.03e-04
667	200	-0.46	3.96	-6.96e-03	-1.88e-03	0.0	8.03e-05
667	203	0.54	-3.94	-0.11	1.87e-03	0.0	-1.05e-04
667	209	2.30	1.83	-0.04	-8.63e-04	0.0	-2.36e-04
667	232	-0.54	4.67	2.10e-03	-2.21e-03	0.0	9.25e-05
667	235	0.62	-4.64	-0.12	2.20e-03	0.0	-1.17e-04
668	18	0.06	0.48	-0.22	0.0	-6.03e-06	3.13e-05
668	28	0.08	-0.24	-0.36	0.0	-1.64e-05	4.15e-05
668	75	0.04	0.32	-0.16	0.0	-4.50e-06	2.22e-05
668	80	0.05	-0.16	-0.25	0.0	-1.14e-05	2.90e-05
668	98	0.04	0.02	-0.19	0.0	-8.02e-06	2.29e-05
668	103	0.04	0.08	-0.18	0.0	-6.86e-06	2.14e-05
668	107	0.04	0.02	-0.18	0.0	-7.63e-06	2.17e-05
668	113	1.85	1.49	-0.01	0.0	8.23e-04	3.06e-04
668	127	-1.19	-3.08	-0.59	0.0	-5.98e-04	-1.64e-04
668	136	-0.40	3.48	0.19	0.0	-1.80e-04	-1.76e-04
668	145	2.08	1.68	6.99e-03	0.0	9.27e-04	3.42e-04
668	159	-1.34	-3.46	-0.64	0.0	-6.71e-04	-1.87e-04
668	168	-0.46	3.92	0.24	0.0	-2.01e-04	-2.00e-04
668	177	2.00	1.67	8.90e-03	0.0	8.91e-04	3.24e-04
668	191	-1.29	-3.39	-0.63	0.0	-6.49e-04	-1.77e-04
668	200	-0.46	3.94	0.24	0.0	-2.01e-04	-1.92e-04
668	209	2.29	1.95	0.04	0.0	1.03e-03	3.67e-04
668	227	-1.31	-4.02	-0.71	0.0	-6.68e-04	-3.27e-05
668	232	-0.53	4.64	0.32	0.0	-2.30e-04	-2.28e-04
669	18	0.06	1.12	-0.01	-2.56e-04	0.0	6.44e-04
669	28	0.08	-0.44	-0.02	1.40e-04	0.0	-2.21e-04
669	75	0.04	0.75	-0.01	-1.71e-04	0.0	4.29e-04
669	80	0.06	-0.29	-0.01	9.30e-05	0.0	-1.48e-04
669	98	0.04	5.94e-03	-0.01	-2.89e-06	0.0	-1.16e-05
669	103	0.04	0.15	-0.01	-3.64e-05	0.0	7.69e-05
669	107	0.04	5.82e-03	-0.01	-2.84e-06	0.0	-1.12e-05
669	113	1.39	1.03	-0.01	-6.07e-04	0.0	-1.35e-04
669	136	-0.30	2.80	-8.31e-03	-1.64e-03	0.0	9.75e-05
669	139	0.39	-2.79	-0.01	1.64e-03	0.0	-1.20e-04
669	145	1.56	1.15	-0.01	-6.83e-04	0.0	-1.51e-04
669	168	-0.35	3.16	-7.90e-03	-1.85e-03	0.0	1.10e-04
669	171	0.43	-3.15	-0.02	1.85e-03	0.0	-1.33e-04
669	177	1.50	1.15	-0.01	-6.79e-04	0.0	-1.49e-04
669	200	-0.35	3.16	-7.92e-03	-1.86e-03	0.0	1.04e-04
669	203	0.43	-3.15	-0.02	1.85e-03	0.0	-1.27e-04
669	209	1.72	1.34	-0.01	-7.97e-04	0.0	-1.73e-04
669	232	-0.41	3.72	-7.30e-03	-2.18e-03	0.0	1.21e-04
669	235	0.49	-3.71	-0.02	2.18e-03	0.0	-1.44e-04
670	18	0.06	1.18	-0.02	-9.02e-06	0.0	6.20e-04
670	28	0.07	-0.48	-0.02	6.73e-05	0.0	-2.15e-04
670	75	0.04	0.78	-0.01	-6.26e-06	0.0	4.13e-04
670	80	0.05	-0.32	-0.02	4.46e-05	0.0	-1.44e-04
670	98	0.04	7.14e-03	-0.01	-2.32e-06	0.0	-1.23e-05
670	103	0.04	0.16	-0.01	-3.06e-06	0.0	7.31e-05
670	107	0.04	6.99e-03	-0.01	-2.29e-06	0.0	-1.19e-05
670	113	1.87	1.30	-0.02	-5.96e-04	0.0	-1.81e-04
670	136	-0.41	3.53	-9.38e-03	-1.61e-03	0.0	8.03e-05
670	145	2.10	1.46	-0.02	-6.71e-04	0.0	-2.02e-04
670	168	-0.46	3.98	-8.87e-03	-1.81e-03	0.0	9.11e-05
670	177	2.02	1.45	-0.02	-6.67e-04	0.0	-2.01e-04
670	200	-0.46	3.99	-8.80e-03	-1.81e-03	0.0	8.44e-05
670	209	2.32	1.70	-0.02	-7.83e-04	0.0	-2.33e-04
670	229	1.63	-2.91	-0.02	1.32e-03	0.0	-2.32e-04
670	232	-0.54	4.69	-8.01e-03	-2.14e-03	0.0	9.73e-05
671	19	0.02	1.49	-7.71e-03	-2.80e-04	0.0	6.63e-04
671	28	0.08	-0.57	-0.01	1.51e-04	0.0	-2.24e-04
671	72	0.02	1.00	-7.78e-03	-1.87e-04	0.0	4.38e-04
671	80	0.06	-0.38	-8.87e-03	1.00e-04	0.0	-1.50e-04
671	98	0.04	-7.33e-04	-8.41e-03	-1.57e-06	0.0	-1.16e-05
671	102	0.03	0.20	-7.76e-03	-3.87e-05	0.0	8.05e-05

671	107	0.04	-6.42e-04	-8.32e-03	-1.56e-06	0.0	-1.12e-05
671	108	1.37	2.27	-0.11	-1.31e-03	0.0	-5.78e-05
671	113	1.38	0.95	-0.11	-5.59e-04	0.0	-1.35e-04
671	139	0.38	-2.85	-0.03	1.62e-03	0.0	-1.20e-04
671	140	1.53	2.55	-0.12	-1.48e-03	0.0	-6.38e-05
671	145	1.55	1.07	-0.12	-6.30e-04	0.0	-1.51e-04
671	171	0.43	-3.21	-0.03	1.83e-03	0.0	-1.33e-04
671	172	1.47	2.53	-0.12	-1.46e-03	0.0	-6.44e-05
671	177	1.49	1.07	-0.12	-6.26e-04	0.0	-1.49e-04
671	203	0.43	-3.21	-0.03	1.83e-03	0.0	-1.27e-04
671	204	1.69	2.95	-0.13	-1.71e-03	0.0	-7.41e-05
671	209	1.71	1.25	-0.13	-7.35e-04	0.0	-1.73e-04
671	235	0.49	-3.78	-0.04	2.16e-03	0.0	-1.44e-04
672	16	0.03	1.56	-0.01	9.82e-05	0.0	6.77e-04
672	28	0.07	-0.61	-0.01	3.38e-05	0.0	-2.31e-04
672	73	0.02	1.04	-9.72e-03	6.51e-05	0.0	4.51e-04
672	80	0.05	-0.41	-0.01	2.23e-05	0.0	-1.55e-04
672	98	0.04	2.92e-05	-0.01	-2.93e-06	0.0	-1.24e-05
672	102	0.02	0.21	-9.62e-03	1.10e-05	0.0	8.25e-05
672	106	0.02	6.32e-04	-9.61e-03	-2.54e-06	0.0	-9.58e-06
672	107	0.03	1.15e-04	-9.99e-03	-2.88e-06	0.0	-1.20e-05
672	108	1.89	2.85	-0.11	-1.26e-03	0.0	-9.95e-05
672	113	1.89	1.20	-0.11	-5.41e-04	0.0	-1.79e-04
672	136	-0.41	3.56	0.01	-1.56e-03	0.0	8.42e-05
672	140	2.12	3.21	-0.12	-1.42e-03	0.0	-1.11e-04
672	145	2.13	1.35	-0.12	-6.10e-04	0.0	-2.00e-04
672	168	-0.47	4.02	0.01	-1.76e-03	0.0	9.55e-05
672	172	2.03	3.17	-0.11	-1.41e-03	0.0	-1.11e-04
672	177	2.04	1.34	-0.11	-6.06e-04	0.0	-1.99e-04
672	200	-0.47	4.02	0.01	-1.76e-03	0.0	8.86e-05
672	204	2.33	3.71	-0.13	-1.65e-03	0.0	-1.28e-04
672	209	2.34	1.58	-0.13	-7.12e-04	0.0	-2.31e-04
672	232	-0.55	4.73	0.02	-2.07e-03	0.0	1.02e-04
673	18	0.05	0.85	-0.08	-8.75e-06	0.0	4.65e-04
673	28	0.07	-0.40	-0.12	7.32e-05	0.0	-1.69e-04
673	75	0.04	0.57	-0.06	-5.90e-06	0.0	3.09e-04
673	80	0.05	-0.26	-0.08	4.87e-05	0.0	-1.13e-04
673	98	0.04	0.01	-0.07	0.0	0.0	-1.25e-05
673	103	0.04	0.13	-0.06	-1.06e-06	0.0	5.23e-05
673	107	0.04	0.01	-0.06	0.0	0.0	-1.21e-05
673	113	2.14	1.68	-0.04	-6.51e-04	0.0	-2.35e-04
673	127	-1.40	-3.76	-0.11	1.49e-03	0.0	-7.66e-05
673	136	-0.46	4.22	-0.02	-1.65e-03	0.0	4.29e-05
673	145	2.40	1.89	-0.04	-7.33e-04	0.0	-2.63e-04
673	159	-1.58	-4.23	-0.12	1.67e-03	0.0	-8.50e-05
673	168	-0.53	4.76	-9.61e-03	-1.86e-03	0.0	4.91e-05
673	177	2.31	1.88	-0.04	-7.28e-04	0.0	-2.62e-04
673	195	-1.34	-4.19	-0.12	1.66e-03	0.0	-7.98e-05
673	200	-0.53	4.77	-9.33e-03	-1.86e-03	0.0	4.31e-05
673	209	2.65	2.20	-0.04	-8.55e-04	0.0	-3.05e-04
673	227	-1.56	-4.90	-0.13	1.94e-03	0.0	-9.03e-05
673	232	-0.61	5.62	3.25e-04	-2.20e-03	0.0	4.89e-05
674	4	0.05	0.51	-0.11	4.81e-05	0.0	1.50e-04
674	18	0.04	0.83	-0.09	7.62e-05	0.0	2.64e-04
674	28	0.04	-0.42	-0.14	5.34e-05	0.0	-1.05e-04
674	68	0.03	0.34	-0.08	3.22e-05	0.0	9.92e-05
674	75	0.03	0.55	-0.07	5.09e-05	0.0	1.75e-04
674	80	0.03	-0.28	-0.10	3.57e-05	0.0	-7.10e-05
674	98	0.03	0.01	-0.08	2.80e-06	0.0	-1.13e-05
674	103	0.02	0.12	-0.07	1.22e-05	0.0	2.64e-05
674	107	0.02	0.01	-0.07	2.64e-06	0.0	-1.09e-05
674	108	2.36	4.19	-0.03	-1.39e-03	0.0	-2.30e-04
674	127	-1.58	-4.40	-0.12	1.48e-03	0.0	-5.27e-05
674	136	-0.52	4.93	-0.03	-1.64e-03	0.0	1.50e-05
674	140	2.66	4.71	-0.02	-1.56e-03	0.0	-2.57e-04
674	159	-1.78	-4.95	-0.13	1.67e-03	0.0	-5.84e-05
674	168	-0.59	5.56	-0.02	-1.84e-03	0.0	1.79e-05
674	172	2.55	4.66	-0.02	-1.55e-03	0.0	-2.56e-04
674	191	-1.72	-4.84	-0.13	1.63e-03	0.0	-6.06e-05
674	200	-0.59	5.58	-0.02	-1.85e-03	0.0	1.36e-05
674	204	2.93	5.45	-0.01	-1.81e-03	0.0	-2.98e-04
674	227	-1.75	-5.73	-0.14	1.93e-03	0.0	-6.04e-05
674	232	-0.68	6.57	-0.01	-2.18e-03	0.0	1.48e-05
675	18	5.83e-03	0.76	-0.09	1.17e-04	0.0	6.22e-05
675	20	6.58e-03	0.76	-0.03	1.13e-04	0.0	6.69e-05

675	28	-4.73e-03	-0.44	-0.13	4.51e-05	0.0	-3.63e-05
675	75	3.69e-03	0.51	-0.06	7.81e-05	0.0	4.08e-05
675	80	-3.35e-03	-0.29	-0.09	3.03e-05	0.0	-2.49e-05
675	87	-4.56e-03	-0.50	-0.09	4.60e-05	0.0	-3.49e-05
675	98	-1.75e-03	0.01	-0.07	4.57e-06	0.0	-7.72e-06
675	103	-6.70e-04	0.11	-0.07	1.90e-05	0.0	2.26e-06
675	105	-2.29e-03	-0.09	-0.07	1.26e-05	0.0	-1.29e-05
675	107	-1.73e-03	0.01	-0.07	4.34e-06	0.0	-7.49e-06
675	111	-2.58	-4.76	-0.12	1.39e-03	0.0	2.73e-04
675	127	-1.78	-5.04	-0.12	1.48e-03	0.0	-3.46e-05
675	136	-0.58	5.64	-0.02	-1.63e-03	0.0	-2.23e-04
675	143	-2.90	-5.36	-0.12	1.57e-03	0.0	3.08e-04
675	159	-2.00	-5.67	-0.13	1.66e-03	0.0	-3.84e-05
675	168	-0.66	6.36	-0.02	-1.84e-03	0.0	-2.51e-04
675	175	-2.79	-5.31	-0.12	1.55e-03	0.0	3.05e-04
675	191	-1.93	-5.55	-0.13	1.63e-03	0.0	-4.07e-05
675	200	-0.66	6.38	-0.02	-1.85e-03	0.0	-2.54e-04
675	207	-3.21	-6.21	-0.13	1.81e-03	0.0	3.58e-04
675	227	-1.98	-6.57	-0.14	1.93e-03	0.0	-3.66e-05
675	232	-0.76	7.51	-6.94e-03	-2.18e-03	0.0	-3.02e-04
676	18	0.05	1.12	-0.02	1.97e-04	0.0	4.61e-04
676	28	0.06	-0.49	-0.03	6.92e-06	0.0	-1.65e-04
676	75	0.04	0.75	-0.01	1.31e-04	0.0	3.06e-04
676	80	0.04	-0.33	-0.02	4.41e-06	0.0	-1.11e-04
676	98	0.03	8.03e-03	-0.02	-1.69e-06	0.0	-1.14e-05
676	103	0.03	0.16	-0.01	2.49e-05	0.0	5.26e-05
676	107	0.03	7.87e-03	-0.01	-1.69e-06	0.0	-1.10e-05
676	113	2.14	1.55	-0.03	-5.86e-04	0.0	-2.33e-04
676	136	-0.46	4.22	-8.90e-03	-1.57e-03	0.0	4.23e-05
676	145	2.40	1.75	-0.03	-6.60e-04	0.0	-2.62e-04
676	168	-0.53	4.76	-8.17e-03	-1.77e-03	0.0	4.84e-05
676	177	2.31	1.74	-0.03	-6.56e-04	0.0	-2.60e-04
676	200	-0.53	4.77	-8.07e-03	-1.78e-03	0.0	4.24e-05
676	209	2.65	2.04	-0.03	-7.71e-04	0.0	-3.03e-04
676	232	-0.62	5.61	-6.96e-03	-2.09e-03	0.0	4.79e-05
677	4	0.04	0.59	-0.02	2.06e-04	0.0	1.44e-04
677	18	0.04	0.98	-0.02	3.45e-04	0.0	2.50e-04
677	28	0.04	-0.48	-0.03	-3.62e-05	0.0	-9.57e-05
677	68	0.03	0.39	-0.02	1.37e-04	0.0	9.52e-05
677	75	0.03	0.65	-0.02	2.30e-04	0.0	1.66e-04
677	80	0.03	-0.32	-0.02	-2.43e-05	0.0	-6.45e-05
677	98	0.02	8.62e-03	-0.02	-1.11e-06	0.0	-8.77e-06
677	103	0.02	0.14	-0.02	4.51e-05	0.0	2.65e-05
677	107	0.02	8.46e-03	-0.02	-1.12e-06	0.0	-8.49e-06
677	108	2.36	4.04	-0.03	-1.29e-03	0.0	-2.29e-04
677	113	2.36	1.80	-0.03	-5.79e-04	0.0	-2.95e-04
677	136	-0.52	4.89	-8.52e-03	-1.55e-03	0.0	1.44e-05
677	140	2.65	4.55	-0.03	-1.46e-03	0.0	-2.57e-04
677	145	2.65	2.03	-0.03	-6.52e-04	0.0	-3.31e-04
677	168	-0.59	5.51	-7.54e-03	-1.75e-03	0.0	1.69e-05
677	172	2.55	4.50	-0.03	-1.44e-03	0.0	-2.55e-04
677	177	2.55	2.02	-0.03	-6.48e-04	0.0	-3.29e-04
677	200	-0.59	5.53	-7.43e-03	-1.75e-03	0.0	1.29e-05
677	204	2.93	5.26	-0.03	-1.69e-03	0.0	-2.97e-04
677	209	2.93	2.37	-0.03	-7.62e-04	0.0	-3.85e-04
677	232	-0.68	6.51	-5.95e-03	-2.06e-03	0.0	1.38e-05
678	18	8.03e-03	0.76	-0.02	4.23e-04	0.0	4.86e-05
678	22	8.06e-03	0.76	-0.02	4.23e-04	0.0	5.02e-05
678	28	-1.52e-03	-0.45	-0.03	-5.88e-05	0.0	-2.70e-05
678	75	5.27e-03	0.51	-0.01	2.82e-04	0.0	3.19e-05
678	80	-1.10e-03	-0.30	-0.02	-3.93e-05	0.0	-1.84e-05
678	98	2.96e-06	8.82e-03	-0.02	0.0	0.0	-5.10e-06
678	103	9.50e-04	0.11	-0.02	5.58e-05	0.0	2.46e-06
678	106	-4.15e-04	7.84e-03	-0.01	0.0	0.0	-4.17e-06
678	107	-5.67e-05	8.68e-03	-0.02	0.0	0.0	-4.96e-06
678	111	-2.57	-4.58	-4.41e-03	1.29e-03	0.0	2.75e-04
678	113	2.56	2.05	-0.03	-5.76e-04	0.0	-2.86e-04
678	136	-0.58	5.56	-8.60e-03	-1.54e-03	0.0	-2.19e-04
678	143	-2.90	-5.16	-2.97e-03	1.45e-03	0.0	3.10e-04
678	145	2.89	2.31	-0.03	-6.49e-04	0.0	-3.22e-04
678	168	-0.66	6.26	-7.66e-03	-1.74e-03	0.0	-2.47e-04
678	175	-2.78	-5.11	-3.65e-03	1.43e-03	0.0	3.07e-04
678	177	2.77	2.30	-0.03	-6.46e-04	0.0	-3.20e-04
678	200	-0.66	6.28	-7.55e-03	-1.74e-03	0.0	-2.50e-04
678	207	-3.20	-5.97	-1.90e-03	1.68e-03	0.0	3.61e-04

678	209	3.19	2.70	-0.04	-7.59e-04	0.0	-3.74e-04
678	232	-0.76	7.39	-6.13e-03	-2.05e-03	0.0	-2.98e-04
679	16	0.03	1.38	-0.01	4.14e-04	0.0	4.66e-04
679	28	0.05	-0.59	-0.01	-6.41e-05	0.0	-1.64e-04
679	73	0.02	0.92	-0.01	2.76e-04	0.0	3.10e-04
679	80	0.04	-0.39	-0.01	-4.32e-05	0.0	-1.10e-04
679	98	0.03	1.88e-03	-0.01	-4.42e-06	0.0	-1.09e-05
679	102	0.02	0.19	-0.01	5.23e-05	0.0	5.53e-05
679	106	0.02	2.16e-03	-0.01	-3.64e-06	0.0	-8.44e-06
679	107	0.03	1.92e-03	-0.01	-4.31e-06	0.0	-1.05e-05
679	108	2.13	3.38	-0.10	-1.23e-03	0.0	-1.64e-04
679	113	2.14	1.43	-0.10	-5.26e-04	0.0	-2.33e-04
679	136	-0.47	4.22	9.15e-03	-1.50e-03	0.0	4.14e-05
679	140	2.40	3.81	-0.11	-1.38e-03	0.0	-1.83e-04
679	145	2.40	1.61	-0.11	-5.92e-04	0.0	-2.61e-04
679	168	-0.53	4.75	0.01	-1.69e-03	0.0	4.73e-05
679	172	2.30	3.76	-0.11	-1.37e-03	0.0	-1.82e-04
679	177	2.30	1.60	-0.11	-5.90e-04	0.0	-2.59e-04
679	200	-0.53	4.76	0.01	-1.70e-03	0.0	4.14e-05
679	204	2.65	4.40	-0.12	-1.60e-03	0.0	-2.12e-04
679	209	2.65	1.88	-0.12	-6.92e-04	0.0	-3.02e-04
679	232	-0.62	5.60	0.01	-2.00e-03	0.0	4.67e-05
680	4	0.04	0.67	-0.01	3.55e-04	0.0	1.36e-04
680	18	0.03	1.10	-0.01	5.98e-04	0.0	2.36e-04
680	28	0.03	-0.53	-0.01	-1.22e-04	0.0	-8.97e-05
680	68	0.03	0.44	-0.01	2.36e-04	0.0	9.03e-05
680	75	0.02	0.74	-0.01	3.98e-04	0.0	1.57e-04
680	80	0.02	-0.35	-0.01	-8.21e-05	0.0	-6.04e-05
680	98	0.02	4.36e-03	-0.01	-5.74e-06	0.0	-7.84e-06
680	103	0.02	0.15	-0.01	7.52e-05	0.0	2.54e-05
680	107	0.02	4.33e-03	-0.01	-5.58e-06	0.0	-7.61e-06
680	108	2.36	3.90	-0.10	-1.20e-03	0.0	-2.29e-04
680	136	-0.52	4.85	7.76e-03	-1.47e-03	0.0	1.45e-05
680	140	2.65	4.39	-0.11	-1.36e-03	0.0	-2.57e-04
680	168	-0.59	5.47	0.01	-1.66e-03	0.0	1.70e-05
680	172	2.54	4.34	-0.10	-1.34e-03	0.0	-2.55e-04
680	200	-0.59	5.47	0.01	-1.66e-03	0.0	1.31e-05
680	204	2.93	5.08	-0.12	-1.57e-03	0.0	-2.98e-04
680	232	-0.69	6.44	0.01	-1.96e-03	0.0	1.39e-05
681	18	9.29e-03	0.77	-0.01	7.04e-04	0.0	4.72e-06
681	28	4.13e-04	-0.45	-0.01	-1.57e-04	0.0	-7.52e-06
681	75	6.18e-03	0.51	-0.01	4.69e-04	0.0	2.92e-06
681	80	2.60e-04	-0.30	-0.01	-1.05e-04	0.0	-5.24e-06
681	98	1.06e-03	7.68e-03	-0.01	-6.78e-06	0.0	-2.06e-06
681	103	1.92e-03	0.11	-0.01	8.86e-05	0.0	-1.04e-06
681	107	9.54e-04	7.55e-03	-0.01	-6.58e-06	0.0	-2.04e-06
681	108	2.57	4.42	-0.10	-1.19e-03	0.0	-2.84e-04
681	136	-0.58	5.48	7.65e-03	-1.46e-03	0.0	-2.17e-04
681	140	2.90	4.97	-0.11	-1.34e-03	0.0	-3.20e-04
681	168	-0.66	6.17	9.98e-03	-1.64e-03	0.0	-2.45e-04
681	172	2.78	4.92	-0.10	-1.33e-03	0.0	-3.17e-04
681	200	-0.66	6.18	9.94e-03	-1.65e-03	0.0	-2.49e-04
681	204	3.20	5.75	-0.12	-1.56e-03	0.0	-3.71e-04
681	232	-0.76	7.27	0.01	-1.94e-03	0.0	-2.97e-04
682	1	0.0	0.0	0.0	-7.57e-04	0.0	-3.69e-06
682	65	0.0	0.0	0.0	-5.05e-04	0.0	-2.44e-06
682	97	0.0	0.0	0.0	-1.59e-06	0.0	0.0
682	106	0.0	0.0	0.0	-1.59e-06	0.0	0.0
682	108	0.0	0.0	0.0	-1.22e-03	0.0	-4.24e-06
682	140	0.0	0.0	0.0	-1.37e-03	0.0	-4.80e-06
682	172	0.0	0.0	0.0	-1.36e-03	0.0	-4.75e-06
682	204	0.0	0.0	0.0	-1.58e-03	0.0	-5.59e-06
683	18	7.27e-03	0.54	-1.58e-03	-1.19e-03	0.0	-4.01e-05
683	28	0.01	-0.19	-1.58e-03	4.24e-04	0.0	1.50e-05
683	41	6.71e-03	-0.32	-1.77e-03	7.09e-04	0.0	2.24e-05
683	75	5.19e-03	0.36	-1.24e-03	-7.93e-04	0.0	-2.66e-05
683	80	7.47e-03	-0.13	-1.24e-03	2.82e-04	0.0	1.01e-05
683	85	4.81e-03	-0.21	-1.37e-03	4.72e-04	0.0	1.51e-05
683	98	5.72e-03	6.53e-04	-1.29e-03	-1.97e-06	0.0	1.50e-06
683	103	5.27e-03	0.07	-1.29e-03	-1.60e-04	0.0	-4.19e-06
683	104	3.98e-03	-0.04	-1.37e-03	9.32e-05	0.0	3.90e-06
683	106	3.77e-03	5.48e-04	-1.36e-03	-1.62e-06	0.0	1.11e-06
683	107	5.44e-03	6.38e-04	-1.30e-03	-1.92e-06	0.0	1.44e-06
683	113	0.21	0.17	0.02	-4.07e-04	0.0	-4.49e-05
683	114	-0.20	-0.17	-0.02	4.03e-04	0.0	4.78e-05

683	136	-0.05	0.68	-6.04e-03	-1.68e-03	0.0	-3.66e-05
683	145	0.24	0.19	0.02	-4.59e-04	0.0	-5.08e-05
683	146	-0.23	-0.19	-0.02	4.55e-04	0.0	5.37e-05
683	168	-0.06	0.77	-6.65e-03	-1.89e-03	0.0	-4.15e-05
683	177	0.23	0.19	0.02	-4.56e-04	0.0	-5.03e-05
683	178	-0.22	-0.19	-0.02	4.52e-04	0.0	5.32e-05
683	200	-0.06	0.76	-6.65e-03	-1.89e-03	0.0	-4.18e-05
683	209	0.26	0.22	0.02	-5.36e-04	0.0	-5.91e-05
683	210	-0.25	-0.22	-0.03	5.32e-04	0.0	6.19e-05
683	232	-0.07	0.90	-7.48e-03	-2.22e-03	0.0	-5.02e-05
684	4	6.51e-03	0.31	-2.26e-03	-6.95e-04	0.0	-2.15e-05
684	18	5.32e-03	0.52	-2.25e-03	-1.15e-03	0.0	-3.77e-05
684	28	7.58e-03	-0.18	-2.22e-03	4.10e-04	0.0	1.43e-05
684	68	4.58e-03	0.21	-1.72e-03	-4.64e-04	0.0	-1.42e-05
684	75	3.79e-03	0.35	-1.71e-03	-7.70e-04	0.0	-2.50e-05
684	80	5.29e-03	-0.12	-1.69e-03	2.73e-04	0.0	9.63e-06
684	98	4.07e-03	1.54e-03	-1.66e-03	-3.37e-06	0.0	1.49e-06
684	103	3.77e-03	0.07	-1.66e-03	-1.56e-04	0.0	-3.88e-06
684	107	3.87e-03	1.49e-03	-1.66e-03	-3.27e-06	0.0	1.44e-06
684	108	0.21	0.46	-0.02	-1.15e-03	0.0	-4.67e-05
684	113	0.21	0.14	-0.02	-3.49e-04	0.0	-4.53e-05
684	136	-0.05	0.66	3.47e-03	-1.65e-03	0.0	-3.76e-05
684	140	0.23	0.52	-0.03	-1.30e-03	0.0	-5.28e-05
684	145	0.24	0.15	-0.03	-3.93e-04	0.0	-5.12e-05
684	168	-0.06	0.75	4.13e-03	-1.86e-03	0.0	-4.26e-05
684	172	0.22	0.51	-0.03	-1.28e-03	0.0	-5.22e-05
684	177	0.23	0.15	-0.03	-3.91e-04	0.0	-5.07e-05
684	200	-0.06	0.74	4.12e-03	-1.85e-03	0.0	-4.29e-05
684	204	0.26	0.60	-0.03	-1.49e-03	0.0	-6.13e-05
684	209	0.26	0.18	-0.03	-4.59e-04	0.0	-5.95e-05
684	232	-0.07	0.87	5.02e-03	-2.17e-03	0.0	-5.14e-05
685	1	0.0	0.0	0.0	-7.34e-04	0.0	-3.78e-06
685	65	0.0	0.0	0.0	-4.89e-04	0.0	-2.50e-06
685	97	0.0	0.0	0.0	-2.73e-06	0.0	0.0
685	106	0.0	0.0	0.0	-2.73e-06	0.0	0.0
685	108	0.0	0.0	0.0	-1.15e-03	0.0	-4.26e-06
685	140	0.0	0.0	0.0	-1.30e-03	0.0	-4.82e-06
685	172	0.0	0.0	0.0	-1.28e-03	0.0	-4.77e-06
685	204	0.0	0.0	0.0	-1.50e-03	0.0	-5.62e-06
686	18	0.01	1.03	-2.25e-03	-9.78e-04	0.0	-9.16e-05
686	28	0.02	-0.36	-2.13e-03	3.60e-04	0.0	3.31e-05
686	49	7.82e-03	1.47e-03	-2.70e-03	-2.23e-06	0.0	2.84e-06
686	75	8.05e-03	0.69	-1.80e-03	-6.52e-04	0.0	-6.09e-05
686	80	0.01	-0.24	-1.72e-03	2.40e-04	0.0	2.23e-05
686	89	5.72e-03	1.10e-03	-2.10e-03	-1.67e-06	0.0	2.10e-06
686	97	5.72e-03	1.10e-03	-2.10e-03	-1.67e-06	0.0	2.10e-06
686	98	8.66e-03	1.32e-03	-1.87e-03	-2.04e-06	0.0	2.84e-06
686	103	8.03e-03	0.14	-1.90e-03	-1.32e-04	0.0	-1.00e-05
686	106	5.72e-03	1.10e-03	-2.10e-03	-1.67e-06	0.0	2.10e-06
686	107	8.24e-03	1.28e-03	-1.90e-03	-1.99e-06	0.0	2.73e-06
686	113	0.38	0.33	0.04	-3.99e-04	0.0	-9.04e-05
686	114	-0.37	-0.33	-0.04	3.95e-04	0.0	9.59e-05
686	136	-0.09	1.36	-0.01	-1.65e-03	0.0	-7.50e-05
686	145	0.43	0.37	0.05	-4.50e-04	0.0	-1.02e-04
686	146	-0.41	-0.37	-0.05	4.46e-04	0.0	1.08e-04
686	168	-0.10	1.53	-0.01	-1.86e-03	0.0	-8.50e-05
686	177	0.41	0.37	0.04	-4.47e-04	0.0	-1.01e-04
686	178	-0.39	-0.37	-0.05	4.43e-04	0.0	1.07e-04
686	200	-0.10	1.52	-0.01	-1.86e-03	0.0	-8.55e-05
686	209	0.47	0.44	0.05	-5.25e-04	0.0	-1.19e-04
686	210	-0.46	-0.43	-0.05	5.21e-04	0.0	1.24e-04
686	232	-0.12	1.79	-0.01	-2.18e-03	0.0	-1.03e-04
687	18	0.06	0.58	-0.30	0.0	-2.41e-05	3.27e-05
687	28	0.07	-0.30	-0.47	0.0	-4.00e-05	4.10e-05
687	75	0.04	0.39	-0.22	0.0	-1.74e-05	2.32e-05
687	80	0.05	-0.20	-0.33	0.0	-2.79e-05	2.87e-05
687	98	0.04	0.02	-0.25	0.0	-2.12e-05	2.32e-05
687	103	0.04	0.09	-0.23	0.0	-1.92e-05	2.18e-05
687	107	0.04	0.02	-0.24	0.0	-2.02e-05	2.21e-05
687	113	2.14	1.80	-0.06	0.0	6.31e-04	3.16e-04
687	127	-1.40	-3.74	-0.70	0.0	-4.90e-04	-1.68e-04
687	136	-0.46	4.23	0.19	0.0	-1.48e-04	-1.75e-04
687	145	2.40	2.03	-0.04	0.0	7.12e-04	3.53e-04
687	159	-1.58	-4.21	-0.75	0.0	-5.49e-04	-1.92e-04
687	168	-0.53	4.76	0.25	0.0	-1.64e-04	-2.00e-04

687	177	2.31	2.02	-0.04	0.0	6.84e-04	3.39e-04
687	195	-1.34	-4.18	-0.74	0.0	-4.77e-04	-1.70e-05
687	200	-0.53	4.78	0.25	0.0	-1.63e-04	-1.96e-04
687	209	2.65	2.36	2.51e-03	0.0	7.92e-04	3.88e-04
687	227	-1.55	-4.88	-0.83	0.0	-5.48e-04	-2.21e-05
687	232	-0.61	5.63	0.34	0.0	-1.85e-04	-2.34e-04
688	4	0.05	0.42	-0.52	0.0	-6.19e-05	3.73e-05
688	18	0.04	0.67	-0.42	0.0	-4.96e-05	3.23e-05
688	28	0.05	-0.36	-0.62	0.0	-7.28e-05	3.90e-05
688	68	0.03	0.28	-0.37	0.0	-4.37e-05	2.63e-05
688	75	0.03	0.45	-0.30	0.0	-3.55e-05	2.29e-05
688	80	0.03	-0.24	-0.43	0.0	-5.09e-05	2.74e-05
688	98	0.03	0.02	-0.34	0.0	-3.99e-05	2.24e-05
688	103	0.03	0.11	-0.31	0.0	-3.67e-05	2.12e-05
688	107	0.03	0.02	-0.32	0.0	-3.80e-05	2.13e-05
688	108	2.37	4.33	0.10	0.0	5.46e-04	-2.33e-04
688	127	-1.58	-4.41	-0.83	0.0	-4.57e-04	-2.46e-06
688	136	-0.52	4.98	0.16	0.0	-1.41e-04	-1.81e-04
688	140	2.66	4.88	0.16	0.0	6.19e-04	-2.66e-04
688	159	-1.78	-4.96	-0.89	0.0	-5.09e-04	-5.74e-04
688	168	-0.59	5.61	0.23	0.0	-1.55e-04	-2.07e-06
688	172	2.55	4.83	0.16	0.0	5.95e-04	-2.61e-04
688	195	-1.51	-4.92	-0.88	0.0	-4.46e-04	-1.12e-06
688	200	-0.59	5.63	0.23	0.0	-1.53e-04	-2.08e-04
688	204	2.94	5.64	0.24	0.0	6.92e-04	-3.07e-04
688	232	-0.68	6.63	0.33	0.0	-1.70e-04	-2.53e-04
688	235	0.73	-6.59	-0.97	0.0	9.44e-05	2.95e-04
689	18	3.59e-03	0.76	-0.59	3.32e-04	-5.31e-05	-1.83e-06
689	28	-7.79e-03	-0.43	-0.83	5.28e-04	1.18e-04	-8.33e-06
689	43	-9.26e-03	-0.73	-0.74	4.91e-04	1.30e-04	-8.82e-06
689	75	2.08e-03	0.51	-0.42	2.41e-04	-3.23e-05	-1.61e-06
689	80	-5.50e-03	-0.28	-0.58	3.72e-04	8.18e-05	-5.95e-06
689	87	-6.49e-03	-0.49	-0.52	3.47e-04	8.97e-05	-6.27e-06
689	98	-3.47e-03	0.02	-0.46	2.87e-04	4.74e-05	-4.34e-06
689	103	-2.27e-03	0.12	-0.43	2.64e-04	2.89e-05	-3.66e-06
689	105	-3.97e-03	-0.08	-0.45	2.87e-04	5.38e-05	-4.61e-06
689	107	-3.37e-03	0.02	-0.44	2.75e-04	4.54e-05	-4.22e-06
689	111	-2.58	-4.94	-0.89	7.23e-04	-1.14e-03	2.82e-04
689	127	-1.78	-5.09	-0.97	8.52e-04	-7.31e-04	-3.12e-05
689	136	-0.58	5.73	0.09	-3.42e-04	-2.28e-04	-2.27e-04
689	143	-2.90	-5.56	-0.94	7.79e-04	-1.28e-03	3.18e-04
689	159	-2.01	-5.72	-1.04	9.24e-04	-8.27e-04	-3.50e-05
689	168	-0.66	6.46	0.15	-4.20e-04	-2.63e-04	-2.56e-04
689	175	-2.79	-5.51	-0.94	7.74e-04	-1.23e-03	3.15e-04
689	200	-0.66	6.48	0.16	-4.18e-04	-2.61e-04	-2.59e-04
689	203	0.65	-6.45	-1.04	9.69e-04	3.52e-04	2.50e-04
689	207	-3.21	-6.44	-1.03	8.59e-04	-1.43e-03	3.68e-04
689	232	-0.76	7.64	0.26	-5.39e-04	-3.08e-04	-3.08e-04
689	235	0.75	-7.60	-1.14	1.09e-03	3.99e-04	3.00e-04
690	18	9.15e-03	0.99	-3.85e-03	-9.54e-04	0.0	-5.63e-05
690	28	0.01	-0.35	-3.70e-03	3.51e-04	0.0	2.26e-05
690	75	6.50e-03	0.66	-2.92e-03	-6.36e-04	0.0	-3.73e-05
690	80	8.92e-03	-0.23	-2.82e-03	2.33e-04	0.0	1.53e-05
690	98	6.87e-03	3.05e-03	-2.80e-03	-3.07e-06	0.0	2.89e-06
690	103	6.38e-03	0.13	-2.81e-03	-1.30e-04	0.0	-5.28e-06
690	107	6.53e-03	2.96e-03	-2.79e-03	-2.98e-06	0.0	2.78e-06
690	108	0.38	0.92	-0.05	-1.14e-03	0.0	-9.27e-05
690	113	0.38	0.27	-0.05	-3.50e-04	0.0	-9.02e-05
690	136	-0.09	1.32	7.97e-03	-1.63e-03	0.0	-7.39e-05
690	140	0.42	1.03	-0.06	-1.29e-03	0.0	-1.05e-04
690	145	0.43	0.31	-0.06	-3.95e-04	0.0	-1.02e-04
690	168	-0.10	1.49	9.34e-03	-1.83e-03	0.0	-8.38e-05
690	172	0.40	1.02	-0.05	-1.27e-03	0.0	-1.04e-04
690	177	0.41	0.31	-0.05	-3.92e-04	0.0	-1.01e-04
690	200	-0.10	1.49	9.34e-03	-1.83e-03	0.0	-8.44e-05
690	204	0.47	1.19	-0.06	-1.48e-03	0.0	-1.22e-04
690	209	0.47	0.36	-0.06	-4.62e-04	0.0	-1.18e-04
690	232	-0.12	1.74	0.01	-2.15e-03	0.0	-1.01e-04
691	18	0.02	1.37	-3.87e-03	-6.74e-04	0.0	-8.95e-05
691	28	0.02	-0.49	-3.60e-03	2.69e-04	0.0	3.36e-05
691	49	9.89e-03	2.34e-03	-4.84e-03	-2.30e-06	0.0	3.46e-06
691	75	0.01	0.92	-3.12e-03	-4.50e-04	0.0	-5.94e-05
691	80	0.01	-0.33	-2.95e-03	1.79e-04	0.0	2.27e-05
691	89	7.24e-03	1.76e-03	-3.78e-03	-1.72e-06	0.0	2.56e-06
691	97	7.24e-03	1.76e-03	-3.78e-03	-1.72e-06	0.0	2.56e-06

691	98	0.01	2.11e-03	-3.28e-03	-2.11e-06	0.0	3.47e-06
691	103	0.01	0.18	-3.34e-03	-9.15e-05	0.0	-9.27e-06
691	106	7.24e-03	1.76e-03	-3.78e-03	-1.72e-06	0.0	2.56e-06
691	107	0.01	2.06e-03	-3.35e-03	-2.05e-06	0.0	3.34e-06
691	113	0.83	0.49	0.09	-3.88e-04	0.0	-1.18e-04
691	114	-0.81	-0.49	-0.09	3.84e-04	0.0	1.25e-04
691	136	-0.19	2.01	-0.02	-1.61e-03	0.0	-9.64e-05
691	145	0.94	0.55	0.10	-4.37e-04	0.0	-1.33e-04
691	146	-0.92	-0.55	-0.10	4.33e-04	0.0	1.40e-04
691	168	-0.21	2.27	-0.03	-1.82e-03	0.0	-1.09e-04
691	177	0.90	0.55	0.09	-4.35e-04	0.0	-1.32e-04
691	178	-0.88	-0.55	-0.10	4.30e-04	0.0	1.39e-04
691	200	-0.21	2.26	-0.03	-1.81e-03	0.0	-1.10e-04
691	209	1.04	0.65	0.11	-5.11e-04	0.0	-1.55e-04
691	210	-1.01	-0.64	-0.11	5.07e-04	0.0	1.61e-04
691	232	-0.25	2.65	-0.03	-2.13e-03	0.0	-1.32e-04
692	18	0.02	1.32	-7.14e-03	-6.63e-04	0.0	-8.33e-05
692	28	0.02	-0.47	-6.85e-03	2.64e-04	0.0	3.18e-05
692	75	0.01	0.88	-5.42e-03	-4.42e-04	0.0	-5.53e-05
692	80	0.01	-0.32	-5.22e-03	1.76e-04	0.0	2.14e-05
692	98	0.01	4.20e-03	-5.17e-03	-2.71e-06	0.0	3.47e-06
692	103	0.01	0.18	-5.19e-03	-9.05e-05	0.0	-8.45e-06
692	107	0.01	4.07e-03	-5.14e-03	-2.63e-06	0.0	3.34e-06
692	108	0.83	1.38	-0.10	-1.13e-03	0.0	-1.21e-04
692	113	0.83	0.41	-0.10	-3.49e-04	0.0	-1.18e-04
692	136	-0.19	1.97	0.02	-1.59e-03	0.0	-9.64e-05
692	140	0.93	1.55	-0.11	-1.27e-03	0.0	-1.37e-04
692	145	0.94	0.47	-0.11	-3.94e-04	0.0	-1.33e-04
692	168	-0.21	2.22	0.02	-1.80e-03	0.0	-1.09e-04
692	172	0.90	1.53	-0.11	-1.25e-03	0.0	-1.35e-04
692	177	0.90	0.46	-0.10	-3.92e-04	0.0	-1.32e-04
692	200	-0.22	2.21	0.02	-1.79e-03	0.0	-1.10e-04
692	204	1.03	1.78	-0.12	-1.46e-03	0.0	-1.59e-04
692	209	1.03	0.55	-0.12	-4.61e-04	0.0	-1.55e-04
692	232	-0.25	2.60	0.02	-2.10e-03	0.0	-1.32e-04
693	4	0.33	0.40	-1.09	0.0	9.00e-05	-2.16e-05
693	44	0.29	-1.66	-0.89	0.0	7.69e-05	-1.78e-05
693	68	0.23	0.25	-0.76	0.0	6.25e-05	-1.51e-05
693	88	0.21	-1.13	-0.63	0.0	5.38e-05	-1.26e-05
693	98	0.19	-0.24	-0.62	0.0	5.06e-05	-1.30e-05
693	105	0.18	-0.40	-0.58	0.0	4.78e-05	-1.21e-05
693	107	0.18	-0.23	-0.59	0.0	4.79e-05	-1.23e-05
693	108	7.80	-3.32	-0.91	0.0	4.89e-04	-4.33e-04
693	113	7.81	-7.91	-0.81	0.0	6.14e-04	-4.32e-04
693	129	-0.92	-10.43	-0.40	0.0	3.56e-04	-3.63e-04
693	140	8.76	-3.71	-0.95	0.0	5.45e-04	-4.86e-04
693	145	8.78	-8.88	-0.84	0.0	6.85e-04	-4.84e-04
693	161	-1.06	-11.72	-0.38	0.0	3.95e-04	-4.08e-04
693	172	8.66	-3.63	-0.94	0.0	5.35e-04	-4.74e-04
693	177	8.68	-8.73	-0.83	0.0	6.72e-04	-4.72e-04
693	193	-1.01	-11.70	-0.38	0.0	3.86e-04	-4.08e-04
693	204	10.10	-4.20	-0.99	0.0	6.15e-04	-5.48e-04
693	209	10.11	-10.12	-0.87	0.0	7.74e-04	-5.46e-04
693	225	-1.15	-13.71	-0.34	0.0	4.43e-04	-4.82e-04
694	4	0.38	0.37	-1.09	0.0	8.52e-05	-2.92e-05
694	44	0.33	-1.77	-0.89	0.0	7.24e-05	-2.46e-05
694	68	0.27	0.23	-0.76	0.0	5.93e-05	-2.05e-05
694	88	0.23	-1.20	-0.63	0.0	5.07e-05	-1.74e-05
694	98	0.22	-0.28	-0.61	0.0	4.77e-05	-1.77e-05
694	105	0.21	-0.45	-0.58	0.0	4.51e-05	-1.66e-05
694	107	0.21	-0.26	-0.58	0.0	4.52e-05	-1.68e-05
694	108	8.11	-3.40	-0.91	0.0	5.58e-04	-4.43e-04
694	113	8.12	-8.15	-0.81	0.0	5.60e-04	-4.42e-04
694	129	-0.94	-10.80	-0.40	0.0	-4.16e-05	-3.79e-04
694	140	9.11	-3.79	-0.95	0.0	6.22e-04	-4.97e-04
694	145	9.12	-9.14	-0.84	0.0	6.25e-04	-4.95e-04
694	161	-1.08	-12.14	-0.37	0.0	-5.23e-05	-4.25e-04
694	172	9.00	-3.71	-0.94	0.0	6.10e-04	-4.83e-04
694	177	9.02	-8.98	-0.83	0.0	6.12e-04	-4.81e-04
694	193	-1.03	-12.12	-0.37	0.0	-4.97e-05	-4.23e-04
694	204	10.48	-4.28	-0.99	0.0	7.02e-04	-5.57e-04
694	209	10.51	-10.41	-0.86	0.0	7.05e-04	-5.54e-04
694	225	-1.18	-14.19	-0.34	0.0	-6.25e-05	-4.98e-04
695	4	0.42	0.34	-1.08	0.0	7.82e-05	-3.10e-05
695	44	0.37	-1.87	-0.89	0.0	6.64e-05	-2.67e-05

695	68	0.30	0.20	-0.76	0.0	5.45e-05	-2.18e-05
695	88	0.26	-1.27	-0.63	0.0	4.66e-05	-1.89e-05
695	98	0.24	-0.31	-0.61	0.0	4.36e-05	-1.92e-05
695	105	0.23	-0.49	-0.58	0.0	4.12e-05	-1.81e-05
695	107	0.23	-0.30	-0.58	0.0	4.14e-05	-1.82e-05
695	108	8.38	-3.47	-0.91	0.0	4.90e-04	-4.54e-04
695	113	8.40	-8.38	-0.81	0.0	4.88e-04	-4.53e-04
695	129	-0.97	-11.17	-0.40	0.0	-4.34e-05	-3.92e-04
695	140	9.41	-3.87	-0.95	0.0	5.47e-04	-5.09e-04
695	145	9.43	-9.39	-0.83	0.0	5.44e-04	-5.07e-04
695	161	-1.11	-12.55	-0.37	0.0	-5.38e-05	-4.40e-04
695	172	9.30	-3.79	-0.94	0.0	5.35e-04	-4.94e-04
695	177	9.32	-9.22	-0.83	0.0	5.33e-04	-4.92e-04
695	193	-1.06	-12.53	-0.37	0.0	-5.15e-05	-4.37e-04
695	204	10.83	-4.36	-0.99	0.0	6.16e-04	-5.68e-04
695	209	10.85	-10.68	-0.86	0.0	6.13e-04	-5.66e-04
695	225	-1.21	-14.66	-0.34	0.0	-6.41e-05	-5.14e-04
696	4	0.46	0.31	-1.09	0.0	7.25e-05	-2.81e-05
696	44	0.40	-1.97	-0.89	0.0	6.14e-05	-2.49e-05
696	68	0.32	0.18	-0.76	0.0	5.05e-05	-1.99e-05
696	88	0.28	-1.34	-0.63	0.0	4.31e-05	-1.78e-05
696	98	0.27	-0.35	-0.61	0.0	4.01e-05	-1.80e-05
696	105	0.25	-0.53	-0.58	0.0	3.80e-05	-1.71e-05
696	107	0.25	-0.34	-0.58	0.0	3.81e-05	-1.72e-05
696	108	8.62	-3.54	-0.91	0.0	4.18e-04	-4.63e-04
696	113	8.63	-8.60	-0.81	0.0	3.29e-04	-4.63e-04
696	129	-0.99	-11.53	-0.40	0.0	-4.49e-05	-4.03e-04
696	140	9.67	-3.95	-0.95	0.0	4.66e-04	-5.19e-04
696	145	9.69	-9.64	-0.84	0.0	3.65e-04	-5.19e-04
696	161	-1.14	-12.95	-0.37	0.0	-5.52e-05	-4.52e-04
696	172	9.56	-3.86	-0.94	0.0	4.56e-04	-5.04e-04
696	177	9.57	-9.46	-0.83	0.0	3.58e-04	-5.03e-04
696	193	-1.08	-12.92	-0.37	0.0	-5.31e-05	-4.49e-04
696	204	11.13	-4.44	-0.99	0.0	5.23e-04	-5.80e-04
696	209	11.14	-10.95	-0.86	0.0	4.10e-04	-5.79e-04
696	225	-1.25	-15.12	-0.34	0.0	-6.58e-05	-5.29e-04
697	18	0.02	1.60	-6.11e-03	-2.84e-04	0.0	-9.56e-05
697	28	0.03	-0.59	-5.65e-03	1.51e-04	0.0	3.61e-05
697	49	0.01	3.35e-03	-7.31e-03	-2.33e-06	0.0	3.86e-06
697	75	0.02	1.07	-4.89e-03	-1.89e-04	0.0	-6.34e-05
697	80	0.02	-0.39	-4.58e-03	1.01e-04	0.0	2.44e-05
697	89	9.89e-03	2.51e-03	-5.69e-03	-1.74e-06	0.0	2.86e-06
697	97	9.89e-03	2.51e-03	-5.69e-03	-1.74e-06	0.0	2.86e-06
697	98	0.02	3.04e-03	-5.03e-03	-2.14e-06	0.0	3.88e-06
697	103	0.01	0.22	-5.12e-03	-3.95e-05	0.0	-9.76e-06
697	106	9.89e-03	2.51e-03	-5.69e-03	-1.74e-06	0.0	2.86e-06
697	107	0.01	2.96e-03	-5.13e-03	-2.09e-06	0.0	3.73e-06
697	113	1.39	0.66	0.10	-3.78e-04	0.0	-1.45e-04
697	114	-1.36	-0.66	-0.11	3.73e-04	0.0	1.52e-04
697	136	-0.31	2.73	-0.03	-1.56e-03	0.0	-1.16e-04
697	145	1.56	0.75	0.11	-4.25e-04	0.0	-1.63e-04
697	146	-1.53	-0.74	-0.12	4.21e-04	0.0	1.71e-04
697	168	-0.35	3.07	-0.03	-1.75e-03	0.0	-1.32e-04
697	177	1.50	0.74	0.11	-4.23e-04	0.0	-1.62e-04
697	178	-1.47	-0.74	-0.12	4.19e-04	0.0	1.69e-04
697	200	-0.35	3.07	-0.03	-1.75e-03	0.0	-1.33e-04
697	209	1.72	0.87	0.13	-4.98e-04	0.0	-1.90e-04
697	210	-1.70	-0.87	-0.14	4.94e-04	0.0	1.97e-04
697	232	-0.41	3.60	-0.04	-2.05e-03	0.0	-1.59e-04
698	18	0.02	1.55	-9.88e-03	-2.85e-04	0.0	-8.76e-05
698	28	0.03	-0.57	-9.46e-03	1.51e-04	0.0	3.38e-05
698	75	0.02	1.03	-7.52e-03	-1.90e-04	0.0	-5.81e-05
698	80	0.02	-0.38	-7.24e-03	1.01e-04	0.0	2.28e-05
698	98	0.01	5.37e-03	-7.23e-03	-2.39e-06	0.0	3.88e-06
698	103	0.01	0.21	-7.27e-03	-3.99e-05	0.0	-8.70e-06
698	107	0.01	5.21e-03	-7.21e-03	-2.32e-06	0.0	3.73e-06
698	108	1.39	1.88	-0.12	-1.09e-03	0.0	-1.48e-04
698	113	1.39	0.57	-0.12	-3.41e-04	0.0	-1.45e-04
698	136	-0.31	2.68	0.02	-1.54e-03	0.0	-1.17e-04
698	140	1.56	2.11	-0.13	-1.23e-03	0.0	-1.67e-04
698	145	1.56	0.64	-0.13	-3.85e-04	0.0	-1.64e-04
698	168	-0.35	3.02	0.02	-1.74e-03	0.0	-1.33e-04
698	172	1.49	2.09	-0.12	-1.22e-03	0.0	-1.66e-04
698	177	1.50	0.64	-0.12	-3.83e-04	0.0	-1.62e-04
698	200	-0.36	3.01	0.02	-1.73e-03	0.0	-1.34e-04

698	204	1.72	2.44	-0.14	-1.42e-03	0.0	-1.94e-04
698	209	1.72	0.75	-0.14	-4.51e-04	0.0	-1.90e-04
698	232	-0.41	3.53	0.02	-2.03e-03	0.0	-1.60e-04
699	15	0.02	1.66	-0.01	1.43e-04	0.0	-1.22e-04
699	18	0.03	1.66	-9.74e-03	1.42e-04	0.0	-1.20e-04
699	28	0.04	-0.64	-9.00e-03	2.33e-05	0.0	4.37e-05
699	72	0.01	1.10	-8.48e-03	9.52e-05	0.0	-8.13e-05
699	75	0.02	1.11	-7.67e-03	9.47e-05	0.0	-8.00e-05
699	80	0.03	-0.42	-7.18e-03	1.54e-05	0.0	2.94e-05
699	98	0.02	3.98e-03	-7.70e-03	-2.21e-06	0.0	4.02e-06
699	102	0.01	0.22	-8.42e-03	1.76e-05	0.0	-1.39e-05
699	103	0.02	0.22	-7.82e-03	1.73e-05	0.0	-1.30e-05
699	106	0.01	3.28e-03	-8.40e-03	-1.80e-06	0.0	2.94e-06
699	107	0.02	3.88e-03	-7.80e-03	-2.15e-06	0.0	3.86e-06
699	113	1.94	0.83	0.08	-3.69e-04	0.0	-1.74e-04
699	114	-1.90	-0.83	-0.09	3.64e-04	0.0	1.81e-04
699	136	-0.43	3.42	-0.03	-1.49e-03	0.0	-1.38e-04
699	145	2.18	0.94	0.09	-4.15e-04	0.0	-1.96e-04
699	146	-2.15	-0.93	-0.10	4.11e-04	0.0	2.04e-04
699	168	-0.49	3.85	-0.03	-1.68e-03	0.0	-1.57e-04
699	177	2.10	0.93	0.08	-4.14e-04	0.0	-1.94e-04
699	178	-2.06	-0.93	-0.10	4.09e-04	0.0	2.02e-04
699	200	-0.49	3.84	-0.03	-1.68e-03	0.0	-1.58e-04
699	209	2.41	1.10	0.10	-4.87e-04	0.0	-2.28e-04
699	210	-2.37	-1.09	-0.11	4.83e-04	0.0	2.35e-04
699	232	-0.57	4.51	-0.03	-1.97e-03	0.0	-1.89e-04
700	4	0.03	0.97	-0.01	7.38e-05	0.0	-2.91e-05
700	15	0.02	1.60	-0.01	1.26e-04	0.0	-5.55e-05
700	18	0.03	1.61	-0.01	1.25e-04	0.0	-5.36e-05
700	68	0.02	0.65	-9.54e-03	4.90e-05	0.0	-1.91e-05
700	72	0.01	1.07	-9.74e-03	8.40e-05	0.0	-3.67e-05
700	75	0.02	1.07	-9.67e-03	8.34e-05	0.0	-3.55e-05
700	98	0.02	6.41e-03	-9.42e-03	-2.06e-06	0.0	4.04e-06
700	102	0.01	0.22	-9.54e-03	1.55e-05	0.0	-4.98e-06
700	103	0.02	0.22	-9.48e-03	1.51e-05	0.0	-4.05e-06
700	106	0.01	5.06e-03	-9.49e-03	-1.66e-06	0.0	2.96e-06
700	107	0.02	6.22e-03	-9.43e-03	-2.00e-06	0.0	3.89e-06
700	108	1.94	2.36	-0.10	-1.05e-03	0.0	-1.74e-04
700	113	1.94	0.72	-0.10	-3.27e-04	0.0	-1.71e-04
700	136	-0.44	3.36	9.92e-03	-1.48e-03	0.0	-1.35e-04
700	140	2.18	2.66	-0.11	-1.18e-03	0.0	-1.96e-04
700	145	2.18	0.81	-0.11	-3.68e-04	0.0	-1.94e-04
700	168	-0.49	3.79	0.01	-1.66e-03	0.0	-1.52e-04
700	172	2.09	2.63	-0.10	-1.17e-03	0.0	-1.94e-04
700	177	2.09	0.81	-0.10	-3.67e-04	0.0	-1.92e-04
700	200	-0.50	3.78	0.01	-1.66e-03	0.0	-1.54e-04
700	204	2.41	3.07	-0.12	-1.37e-03	0.0	-2.28e-04
700	209	2.41	0.95	-0.12	-4.32e-04	0.0	-2.25e-04
700	232	-0.58	4.43	0.02	-1.95e-03	0.0	-1.84e-04
701	4	0.35	0.40	-1.08	0.0	1.04e-04	-3.43e-05
701	44	0.30	-1.66	-0.88	0.0	8.71e-05	-2.49e-05
701	68	0.24	0.25	-0.76	0.0	7.21e-05	-2.39e-05
701	88	0.21	-1.13	-0.62	0.0	6.11e-05	-1.76e-05
701	98	0.20	-0.24	-0.61	0.0	5.83e-05	-1.92e-05
701	105	0.19	-0.40	-0.57	0.0	5.49e-05	-1.76e-05
701	107	0.19	-0.23	-0.58	0.0	5.51e-05	-1.81e-05
701	108	6.28	-3.32	-0.98	0.0	4.73e-04	-4.28e-04
701	112	7.92	-3.78	-0.92	0.0	4.69e-04	-5.46e-04
701	129	4.55	-10.42	-0.37	0.0	3.52e-04	-3.55e-04
701	140	7.05	-3.71	-1.03	0.0	5.26e-04	-4.80e-04
701	144	8.90	-4.24	-0.97	0.0	5.22e-04	-6.13e-04
701	161	5.11	-11.72	-0.35	0.0	3.89e-04	-3.98e-04
701	172	6.99	-3.63	-1.01	0.0	5.17e-04	-4.68e-04
701	176	8.82	-4.21	-0.96	0.0	5.13e-04	-6.00e-04
701	193	5.09	-11.70	-0.35	0.0	3.82e-04	-3.97e-04
701	204	8.15	-4.20	-1.08	0.0	5.93e-04	-5.40e-04
701	208	10.28	-4.90	-1.01	0.0	5.89e-04	-6.96e-04
701	225	5.97	-13.71	-0.31	0.0	4.38e-04	-4.67e-04
702	4	0.40	0.37	-1.08	0.0	9.08e-05	-3.65e-05
702	44	0.34	-1.77	-0.88	0.0	7.68e-05	-2.75e-05
702	68	0.28	0.23	-0.75	0.0	6.32e-05	-2.55e-05
702	88	0.24	-1.20	-0.62	0.0	5.39e-05	-1.95e-05
702	98	0.23	-0.28	-0.61	0.0	5.11e-05	-2.09e-05
702	105	0.22	-0.45	-0.57	0.0	4.82e-05	-1.93e-05
702	107	0.22	-0.26	-0.58	0.0	4.84e-05	-1.97e-05

702	108	6.52	-3.40	-0.98	0.0	5.44e-04	-4.35e-04
702	112	8.22	-3.88	-0.92	0.0	4.33e-04	-5.58e-04
702	129	4.73	-10.80	-0.37	0.0	-3.33e-05	-3.66e-04
702	140	7.32	-3.79	-1.02	0.0	6.06e-04	-4.87e-04
702	144	9.23	-4.35	-0.97	0.0	4.82e-04	-6.25e-04
702	161	5.30	-12.14	-0.35	0.0	-4.33e-05	-4.10e-04
702	172	7.25	-3.71	-1.01	0.0	5.95e-04	-4.73e-04
702	176	9.15	-4.31	-0.95	0.0	4.74e-04	-6.10e-04
702	193	5.28	-12.12	-0.35	0.0	-4.06e-05	-4.07e-04
702	204	8.45	-4.28	-1.08	0.0	6.85e-04	-5.44e-04
702	208	10.66	-5.02	-1.01	0.0	5.44e-04	-7.05e-04
702	225	6.19	-14.19	-0.31	0.0	-5.23e-05	-4.78e-04
703	4	0.03	0.87	-0.01	2.92e-04	0.0	-2.84e-05
703	15	0.02	1.45	-0.01	4.90e-04	0.0	-5.35e-05
703	18	0.03	1.45	-0.01	4.89e-04	0.0	-5.18e-05
703	68	0.02	0.58	-7.95e-03	1.94e-04	0.0	-1.87e-05
703	72	0.01	0.97	-9.28e-03	3.27e-04	0.0	-3.54e-05
703	75	0.02	0.97	-8.36e-03	3.26e-04	0.0	-3.43e-05
703	98	0.02	5.01e-03	-8.32e-03	-2.28e-06	0.0	3.53e-06
703	102	0.01	0.20	-9.15e-03	6.38e-05	0.0	-5.06e-06
703	103	0.02	0.20	-8.47e-03	6.35e-05	0.0	-4.21e-06
703	106	0.01	4.12e-03	-9.12e-03	-1.86e-06	0.0	2.54e-06
703	107	0.02	4.88e-03	-8.43e-03	-2.22e-06	0.0	3.39e-06
703	113	2.13	0.99	0.06	-3.62e-04	0.0	-2.09e-04
703	114	-2.09	-0.98	-0.08	3.57e-04	0.0	2.16e-04
703	136	-0.48	4.04	-0.03	-1.43e-03	0.0	-1.60e-04
703	145	2.39	1.12	0.07	-4.08e-04	0.0	-2.36e-04
703	146	-2.35	-1.11	-0.09	4.03e-04	0.0	2.43e-04
703	168	-0.54	4.55	-0.03	-1.62e-03	0.0	-1.81e-04
703	177	2.29	1.11	0.07	-4.06e-04	0.0	-2.34e-04
703	178	-2.26	-1.10	-0.09	4.02e-04	0.0	2.41e-04
703	200	-0.54	4.54	-0.03	-1.62e-03	0.0	-1.84e-04
703	209	2.64	1.31	0.08	-4.78e-04	0.0	-2.75e-04
703	210	-2.60	-1.30	-0.10	4.74e-04	0.0	2.82e-04
703	232	-0.63	5.33	-0.03	-1.90e-03	0.0	-2.20e-04
704	4	0.03	0.86	-0.01	2.75e-04	0.0	-3.14e-05
704	15	0.02	1.42	-0.01	4.61e-04	0.0	-5.86e-05
704	18	0.03	1.42	-0.01	4.61e-04	0.0	-5.68e-05
704	68	0.02	0.57	-0.01	1.83e-04	0.0	-2.07e-05
704	72	0.01	0.95	-0.01	3.07e-04	0.0	-3.88e-05
704	75	0.02	0.95	-0.01	3.07e-04	0.0	-3.76e-05
704	98	0.02	7.13e-03	-9.99e-03	-1.84e-06	0.0	3.51e-06
704	102	0.01	0.19	-0.01	6.03e-05	0.0	-5.74e-06
704	103	0.01	0.19	-0.01	6.00e-05	0.0	-4.89e-06
704	106	9.91e-03	5.64e-03	-0.01	-1.49e-06	0.0	2.53e-06
704	107	0.01	6.91e-03	-0.01	-1.79e-06	0.0	3.37e-06
704	108	2.12	2.80	-0.08	-1.01e-03	0.0	-2.11e-04
704	113	2.12	0.86	-0.08	-3.13e-04	0.0	-2.10e-04
704	136	-0.48	3.98	6.11e-03	-1.42e-03	0.0	-1.61e-04
704	140	2.39	3.15	-0.09	-1.14e-03	0.0	-2.38e-04
704	145	2.39	0.96	-0.09	-3.53e-04	0.0	-2.37e-04
704	168	-0.54	4.48	8.16e-03	-1.60e-03	0.0	-1.83e-04
704	172	2.29	3.12	-0.09	-1.13e-03	0.0	-2.36e-04
704	177	2.29	0.96	-0.09	-3.52e-04	0.0	-2.35e-04
704	200	-0.54	4.47	8.13e-03	-1.60e-03	0.0	-1.85e-04
704	204	2.64	3.64	-0.10	-1.32e-03	0.0	-2.77e-04
704	209	2.64	1.13	-0.10	-4.15e-04	0.0	-2.76e-04
704	232	-0.63	5.25	0.01	-1.88e-03	0.0	-2.22e-04
705	4	0.02	0.69	-0.01	4.12e-04	0.0	-5.42e-06
705	15	0.02	1.14	-0.01	6.90e-04	0.0	-1.45e-05
705	18	0.02	1.15	-0.01	6.89e-04	0.0	-1.29e-05
705	68	0.02	0.46	-8.25e-03	2.74e-04	0.0	-3.42e-06
705	72	0.01	0.76	-9.69e-03	4.60e-04	0.0	-9.48e-06
705	75	0.02	0.76	-8.70e-03	4.59e-04	0.0	-8.42e-06
705	98	0.01	6.05e-03	-8.63e-03	-2.34e-06	0.0	2.97e-06
705	102	8.74e-03	0.16	-9.53e-03	9.04e-05	0.0	0.0
705	103	0.01	0.16	-8.79e-03	9.01e-05	0.0	0.0
705	106	8.20e-03	4.97e-03	-9.49e-03	-1.90e-06	0.0	2.08e-06
705	107	0.01	5.90e-03	-8.75e-03	-2.28e-06	0.0	2.84e-06
705	108	2.35	3.39	0.06	-1.04e-03	0.0	-2.48e-04
705	114	-2.32	-1.14	-0.07	3.52e-04	0.0	2.54e-04
705	136	-0.53	4.65	-0.02	-1.41e-03	0.0	-1.88e-04
705	140	2.64	3.82	0.06	-1.17e-03	0.0	-2.79e-04
705	146	-2.62	-1.28	-0.08	3.98e-04	0.0	2.86e-04
705	168	-0.60	5.24	-0.03	-1.58e-03	0.0	-2.13e-04

705	172	2.54	3.78	0.06	-1.16e-03	0.0	-2.77e-04
705	178	-2.51	-1.28	-0.08	3.97e-04	0.0	2.84e-04
705	200	-0.60	5.23	-0.03	-1.58e-03	0.0	-2.16e-04
705	204	2.92	4.41	0.07	-1.36e-03	0.0	-3.25e-04
705	210	-2.89	-1.50	-0.09	4.68e-04	0.0	3.32e-04
705	232	-0.69	6.14	-0.03	-1.86e-03	0.0	-2.59e-04
706	4	0.02	0.69	-0.01	3.93e-04	0.0	-1.52e-05
706	15	0.01	1.13	-0.01	6.58e-04	0.0	-3.07e-05
706	18	0.02	1.13	-0.01	6.58e-04	0.0	-2.91e-05
706	68	0.01	0.46	-0.01	2.62e-04	0.0	-9.91e-06
706	72	9.55e-03	0.75	-0.01	4.39e-04	0.0	-2.03e-05
706	75	0.01	0.76	-0.01	4.38e-04	0.0	-1.92e-05
706	102	7.26e-03	0.16	-0.01	8.66e-05	0.0	-2.41e-06
706	103	0.01	0.16	-0.01	8.63e-05	0.0	-1.66e-06
706	106	6.69e-03	6.20e-03	-0.01	-1.47e-06	0.0	2.05e-06
706	107	9.99e-03	7.59e-03	-0.01	-1.76e-06	0.0	2.81e-06
706	108	2.35	3.23	-0.08	-9.94e-04	-1.33e-06	-2.48e-04
706	136	-0.53	4.58	4.00e-03	-1.39e-03	5.55e-06	-1.89e-04
706	140	2.64	3.64	-0.08	-1.12e-03	-1.49e-06	-2.80e-04
706	168	-0.60	5.16	5.82e-03	-1.57e-03	6.23e-06	-2.14e-04
706	172	2.54	3.59	-0.08	-1.11e-03	-1.41e-06	-2.78e-04
706	200	-0.60	5.15	5.79e-03	-1.57e-03	6.01e-06	-2.17e-04
706	204	2.92	4.20	-0.09	-1.29e-03	-1.62e-06	-3.25e-04
706	232	-0.69	6.04	8.26e-03	-1.84e-03	7.00e-06	-2.59e-04
707	15	8.85e-03	0.78	-0.01	7.74e-04	0.0	1.22e-05
707	18	0.01	0.78	-0.01	7.73e-04	0.0	1.33e-05
707	72	6.00e-03	0.52	-9.84e-03	5.15e-04	0.0	8.20e-06
707	75	7.86e-03	0.52	-8.84e-03	5.15e-04	0.0	8.92e-06
707	102	2.52e-03	0.11	-9.68e-03	1.01e-04	0.0	2.32e-06
707	103	3.79e-03	0.11	-8.93e-03	1.01e-04	0.0	2.83e-06
707	106	1.65e-03	5.89e-03	-9.64e-03	-2.07e-06	0.0	0.0
707	107	2.92e-03	6.99e-03	-8.89e-03	-2.47e-06	0.0	1.36e-06
707	108	2.57	3.84	0.05	-1.04e-03	0.0	-2.84e-04
707	114	-2.56	-1.29	-0.07	3.54e-04	0.0	2.88e-04
707	136	-0.58	5.25	-0.02	-1.40e-03	0.0	-2.16e-04
707	140	2.90	4.32	0.06	-1.17e-03	0.0	-3.19e-04
707	146	-2.88	-1.46	-0.08	3.99e-04	0.0	3.24e-04
707	168	-0.66	5.91	-0.03	-1.57e-03	0.0	-2.44e-04
707	172	2.78	4.28	0.06	-1.16e-03	0.0	-3.17e-04
707	178	-2.77	-1.45	-0.08	3.98e-04	0.0	3.22e-04
707	200	-0.66	5.91	-0.03	-1.57e-03	0.0	-2.48e-04
707	204	3.20	5.00	0.07	-1.35e-03	0.0	-3.72e-04
707	210	-3.19	-1.71	-0.09	4.70e-04	0.0	3.77e-04
707	232	-0.76	6.94	-0.03	-1.85e-03	0.0	-2.96e-04
708	15	8.88e-03	0.78	-0.01	7.53e-04	1.54e-06	4.66e-06
708	18	0.01	0.79	-9.71e-03	7.52e-04	1.53e-06	6.10e-06
708	72	6.02e-03	0.52	-7.96e-03	5.02e-04	1.02e-06	3.26e-06
708	75	7.95e-03	0.53	-7.55e-03	5.01e-04	1.02e-06	4.22e-06
708	102	2.60e-03	0.11	-7.85e-03	9.91e-05	0.0	1.99e-06
708	103	3.91e-03	0.11	-7.54e-03	9.87e-05	0.0	2.68e-06
708	106	1.74e-03	6.27e-03	-7.82e-03	-1.58e-06	0.0	1.68e-06
708	107	3.05e-03	7.56e-03	-7.51e-03	-1.89e-06	0.0	2.37e-06
708	108	2.57	3.75	-9.28e-03	-1.01e-03	-5.55e-06	-2.81e-04
708	136	-0.58	5.21	-8.56e-03	-1.39e-03	-7.05e-06	-2.14e-04
708	140	2.90	4.22	-9.49e-03	-1.14e-03	-6.24e-06	-3.17e-04
708	168	-0.66	5.87	-8.69e-03	-1.56e-03	-7.92e-06	-2.42e-04
708	172	2.78	4.17	-9.39e-03	-1.13e-03	-6.09e-06	-3.15e-04
708	200	-0.66	5.86	-8.64e-03	-1.56e-03	-7.72e-06	-2.46e-04
708	204	3.20	4.87	-9.68e-03	-1.32e-03	-7.09e-06	-3.69e-04
708	232	-0.76	6.88	-8.84e-03	-1.84e-03	-9.06e-06	-2.94e-04
709	4	0.44	0.34	-1.08	0.0	7.67e-05	-3.54e-05
709	44	0.38	-1.87	-0.88	0.0	6.56e-05	-2.75e-05
709	68	0.31	0.20	-0.75	0.0	5.35e-05	-2.49e-05
709	88	0.27	-1.27	-0.62	0.0	4.61e-05	-1.96e-05
709	98	0.25	-0.31	-0.61	0.0	4.32e-05	-2.07e-05
709	105	0.24	-0.49	-0.57	0.0	4.09e-05	-1.93e-05
709	107	0.24	-0.30	-0.58	0.0	4.10e-05	-1.97e-05
709	108	6.73	-3.47	-0.97	0.0	4.85e-04	-4.45e-04
709	113	8.49	-8.38	-0.86	0.0	4.85e-04	-4.39e-04
709	129	4.89	-11.17	-0.37	0.0	-3.66e-05	-3.80e-04
709	140	7.56	-3.87	-1.02	0.0	5.41e-04	-4.98e-04
709	145	9.53	-9.39	-0.90	0.0	5.41e-04	-4.92e-04
709	161	5.48	-12.55	-0.35	0.0	-4.61e-05	-4.25e-04
709	172	7.49	-3.78	-1.01	0.0	5.31e-04	-4.83e-04
709	177	9.44	-9.22	-0.89	0.0	5.31e-04	-4.76e-04

709	193	5.46	-12.53	-0.35	0.0	-4.35e-05	-4.22e-04
709	204	8.72	-4.36	-1.08	0.0	6.12e-04	-5.55e-04
709	209	11.00	-10.68	-0.94	0.0	6.11e-04	-5.47e-04
709	225	6.39	-14.66	-0.31	0.0	-5.47e-05	-4.95e-04
710	4	0.48	0.31	-1.08	0.0	6.74e-05	-3.06e-05
710	44	0.41	-1.97	-0.88	0.0	5.80e-05	-2.45e-05
710	68	0.33	0.18	-0.75	0.0	4.71e-05	-2.16e-05
710	88	0.29	-1.34	-0.62	0.0	4.08e-05	-1.76e-05
710	98	0.28	-0.35	-0.61	0.0	3.78e-05	-1.86e-05
710	105	0.26	-0.53	-0.57	0.0	3.59e-05	-1.74e-05
710	107	0.26	-0.34	-0.58	0.0	3.60e-05	-1.77e-05
710	108	6.92	-3.54	-0.98	0.0	4.24e-04	-4.54e-04
710	113	8.72	-8.60	-0.86	0.0	4.19e-04	-4.50e-04
710	129	5.04	-11.53	-0.37	0.0	-4.16e-05	-3.90e-04
710	140	7.76	-3.95	-1.03	0.0	4.73e-04	-5.09e-04
710	145	9.79	-9.64	-0.90	0.0	4.68e-04	-5.05e-04
710	161	5.65	-12.95	-0.35	0.0	-5.11e-05	-4.38e-04
710	172	7.69	-3.86	-1.01	0.0	4.64e-04	-4.94e-04
710	177	9.70	-9.46	-0.89	0.0	4.58e-04	-4.89e-04
710	193	5.62	-12.92	-0.35	0.0	-4.88e-05	-4.34e-04
710	204	8.96	-4.44	-1.08	0.0	5.34e-04	-5.68e-04
710	209	11.30	-10.95	-0.94	0.0	5.28e-04	-5.62e-04
710	225	6.58	-15.12	-0.31	0.0	-6.03e-05	-5.11e-04
711	15	8.92e-03	0.79	-0.01	7.28e-04	1.40e-06	-6.46e-06
711	18	0.01	0.79	-0.01	7.28e-04	1.40e-06	-6.46e-06
711	72	6.06e-03	0.53	-0.01	4.85e-04	0.0	-4.08e-06
711	75	8.04e-03	0.53	-0.01	4.85e-04	0.0	-2.90e-06
711	102	2.68e-03	0.11	-0.01	9.60e-05	0.0	1.09e-06
711	103	4.04e-03	0.11	-0.01	9.57e-05	0.0	1.94e-06
711	106	1.83e-03	6.85e-03	-0.01	-1.40e-06	0.0	2.38e-06
711	107	3.20e-03	8.36e-03	-0.01	-1.67e-06	0.0	3.23e-06
711	108	2.57	3.65	-0.07	-9.84e-04	-4.03e-06	-2.81e-04
711	136	-0.58	5.18	3.43e-03	-1.38e-03	-6.34e-06	-2.14e-04
711	140	2.90	4.11	-0.08	-1.11e-03	-4.53e-06	-3.17e-04
711	168	-0.66	5.83	5.20e-03	-1.56e-03	-7.11e-06	-2.42e-04
711	172	2.78	4.07	-0.08	-1.10e-03	-4.37e-06	-3.15e-04
711	200	-0.66	5.82	5.17e-03	-1.55e-03	-6.88e-06	-2.46e-04
711	204	3.20	4.75	-0.09	-1.28e-03	-5.07e-06	-3.69e-04
711	232	-0.76	6.83	7.57e-03	-1.83e-03	-8.04e-06	-2.94e-04
712	20	3.77e-03	0.54	-9.49e-04	-1.33e-03	0.0	3.50e-05
712	28	0.02	-0.19	-1.57e-03	4.71e-04	0.0	-9.27e-06
712	73	4.63e-03	0.36	-9.72e-04	-8.89e-04	0.0	2.35e-05
712	80	0.01	-0.13	-1.17e-03	3.14e-04	0.0	-6.13e-06
712	98	8.47e-03	-1.15e-04	-1.09e-03	0.0	0.0	0.0
712	102	5.32e-03	0.07	-9.87e-04	-1.78e-04	0.0	5.08e-06
712	107	8.06e-03	-9.85e-05	-1.08e-03	0.0	0.0	0.0
712	111	-0.20	-0.54	-6.19e-03	1.35e-03	0.0	3.57e-05
712	113	0.22	0.21	4.00e-03	-5.29e-04	0.0	-4.35e-05
712	139	0.07	-0.70	3.96e-05	1.75e-03	0.0	-2.38e-06
712	143	-0.23	-0.61	-6.83e-03	1.52e-03	0.0	4.02e-05
712	145	0.25	0.24	4.64e-03	-5.96e-04	0.0	-4.91e-05
712	171	0.07	-0.79	1.81e-04	1.97e-03	0.0	-2.74e-06
712	175	-0.22	-0.60	-6.61e-03	1.50e-03	0.0	3.99e-05
712	177	0.24	0.24	4.41e-03	-5.92e-04	0.0	-4.89e-05
712	203	0.07	-0.79	1.79e-04	1.97e-03	0.0	-2.39e-06
712	207	-0.25	-0.70	-7.45e-03	1.75e-03	0.0	4.66e-05
712	209	0.27	0.28	5.25e-03	-6.95e-04	0.0	-5.76e-05
712	235	0.08	-0.93	3.72e-04	2.31e-03	0.0	-2.68e-06
713	4	-3.67e-03	0.06	-0.03	-1.09e-04	0.0	-5.16e-06
713	28	-4.48e-03	-0.08	-0.03	1.54e-04	0.0	-1.12e-06
713	44	-4.18e-03	-0.13	-0.03	2.38e-04	0.0	0.0
713	68	-2.54e-03	0.04	-0.02	-7.18e-05	0.0	-3.58e-06
713	80	-3.08e-03	-0.05	-0.02	1.04e-04	0.0	0.0
713	88	-2.87e-03	-0.08	-0.02	1.60e-04	0.0	0.0
713	98	-2.22e-03	-7.47e-03	-0.02	1.37e-05	0.0	-1.96e-06
713	105	-2.19e-03	-0.02	-0.02	4.21e-05	0.0	-1.43e-06
713	107	-2.07e-03	-7.12e-03	-0.02	1.30e-05	0.0	-1.89e-06
713	115	-0.67	0.36	5.49e-03	-6.87e-04	0.0	3.49e-05
713	124	-0.04	0.53	-0.05	-1.01e-03	0.0	-3.64e-05
713	129	0.37	-0.88	4.66e-03	1.68e-03	0.0	1.50e-05
713	147	-0.76	0.41	8.58e-03	-7.77e-04	0.0	3.95e-05
713	156	-0.05	0.60	-0.06	-1.14e-03	0.0	-4.06e-05
713	161	0.42	-0.99	7.68e-03	1.89e-03	0.0	1.70e-05
713	179	-0.76	0.41	7.06e-03	-7.80e-04	0.0	3.91e-05
713	188	-0.05	0.60	-0.06	-1.14e-03	0.0	-3.93e-05

713	193	0.43	-0.99	7.76e-03	1.89e-03	0.0	1.55e-05
713	211	-0.89	0.48	0.01	-9.23e-04	0.0	4.61e-05
713	220	-0.05	0.70	-0.06	-1.33e-03	0.0	-4.53e-05
713	225	0.51	-1.17	0.01	2.23e-03	0.0	1.78e-05
714	1	0.0	0.0	0.0	-1.19e-04	0.0	0.0
714	65	0.0	0.0	0.0	-7.85e-05	0.0	0.0
714	97	0.0	0.0	0.0	9.41e-06	0.0	0.0
714	106	0.0	0.0	0.0	9.41e-06	0.0	0.0
714	108	0.0	0.0	0.0	6.61e-04	0.0	-2.45e-06
714	140	0.0	0.0	0.0	7.43e-04	0.0	-2.72e-06
714	172	0.0	0.0	0.0	7.38e-04	0.0	-2.68e-06
714	204	0.0	0.0	0.0	8.64e-04	0.0	-3.08e-06
715	4	-2.86e-03	0.11	-0.07	-1.12e-04	0.0	-1.11e-05
715	44	-2.47e-03	-0.25	-0.06	2.38e-04	0.0	-1.56e-06
715	68	-1.93e-03	0.07	-0.05	-7.37e-05	0.0	-7.73e-06
715	88	-1.67e-03	-0.17	-0.04	1.59e-04	0.0	-1.37e-06
715	98	-1.40e-03	-0.01	-0.04	1.24e-05	0.0	-4.86e-06
715	105	-1.33e-03	-0.04	-0.04	4.11e-05	0.0	-3.92e-06
715	107	-1.28e-03	-0.01	-0.04	1.18e-05	0.0	-4.66e-06
715	115	-1.36	0.72	0.01	-6.91e-04	0.0	8.13e-05
715	124	-0.08	1.06	-0.11	-1.01e-03	0.0	-7.42e-05
715	129	0.76	-1.76	7.94e-03	1.67e-03	0.0	2.14e-05
715	147	-1.54	0.81	0.02	-7.81e-04	0.0	9.22e-05
715	156	-0.09	1.20	-0.11	-1.14e-03	0.0	-8.28e-05
715	161	0.86	-1.98	0.01	1.89e-03	0.0	2.43e-05
715	179	-1.54	0.82	0.02	-7.85e-04	0.0	9.18e-05
715	188	-0.09	1.19	-0.11	-1.14e-03	0.0	-8.06e-05
715	193	0.87	-1.99	0.01	1.89e-03	0.0	2.15e-05
715	211	-1.81	0.97	0.03	-9.28e-04	0.0	1.09e-04
715	220	-0.10	1.40	-0.12	-1.33e-03	0.0	-9.31e-05
715	225	1.03	-2.34	0.02	2.23e-03	0.0	2.45e-05
716	4	-7.63e-04	0.17	-0.10	-1.16e-04	0.0	-1.53e-05
716	21	-1.56e-03	0.32	-0.07	-2.11e-04	0.0	-1.41e-05
716	44	8.41e-04	-0.38	-0.08	2.36e-04	0.0	-3.09e-06
716	68	-4.42e-04	0.11	-0.07	-7.68e-05	0.0	-1.07e-05
716	74	-8.87e-04	0.21	-0.06	-1.38e-04	0.0	-1.12e-05
716	88	6.28e-04	-0.25	-0.06	1.58e-04	0.0	-2.53e-06
716	98	2.47e-04	-0.02	-0.06	1.02e-05	0.0	-6.91e-06
716	104	5.35e-04	-0.06	-0.04	3.60e-05	0.0	-3.95e-06
716	105	3.38e-04	-0.07	-0.05	3.91e-05	0.0	-5.69e-06
716	106	4.77e-04	-0.01	-0.04	6.54e-06	0.0	-4.89e-06
716	107	2.80e-04	-0.02	-0.06	9.65e-06	0.0	-6.62e-06
716	112	2.06	-1.12	-0.13	7.14e-04	0.0	-1.47e-04
716	124	-0.11	1.59	-0.16	-1.01e-03	0.0	-1.07e-04
716	129	1.15	-2.64	9.70e-03	1.67e-03	0.0	2.07e-05
716	144	2.32	-1.26	-0.14	8.04e-04	0.0	-1.65e-04
716	156	-0.13	1.79	-0.17	-1.14e-03	0.0	-1.20e-04
716	161	1.29	-2.97	0.02	1.88e-03	0.0	2.38e-05
716	176	2.32	-1.27	-0.14	8.08e-04	0.0	-1.64e-04
716	188	-0.13	1.79	-0.17	-1.13e-03	0.0	-1.17e-04
716	193	1.31	-2.98	0.02	1.89e-03	0.0	2.02e-05
716	208	2.73	-1.50	-0.15	9.53e-04	0.0	-1.92e-04
716	220	-0.15	2.10	-0.18	-1.33e-03	0.0	-1.36e-04
716	225	1.56	-3.51	0.03	2.22e-03	0.0	2.26e-05
717	4	4.62e-04	0.24	-0.14	-1.21e-04	0.0	-1.63e-05
717	44	3.46e-03	-0.50	-0.11	2.33e-04	0.0	-2.37e-06
717	68	4.24e-04	0.16	-0.10	-8.05e-05	0.0	-1.14e-05
717	88	2.42e-03	-0.33	-0.08	1.56e-04	0.0	-2.08e-06
717	98	1.38e-03	-0.03	-0.08	7.43e-06	0.0	-7.22e-06
717	105	1.52e-03	-0.09	-0.07	3.66e-05	0.0	-5.83e-06
717	107	1.34e-03	-0.02	-0.07	7.01e-06	0.0	-6.92e-06
717	112	2.74	-1.50	-0.18	7.11e-04	0.0	-2.07e-04
717	124	-0.15	2.12	-0.21	-1.00e-03	0.0	-1.37e-04
717	129	1.52	-3.51	8.88e-03	1.66e-03	0.0	1.64e-05
717	144	3.09	-1.69	-0.19	8.01e-04	0.0	-2.32e-04
717	156	-0.17	2.39	-0.22	-1.13e-03	0.0	-1.53e-04
717	161	1.72	-3.96	0.02	1.87e-03	0.0	1.90e-05
717	176	3.09	-1.69	-0.19	8.05e-04	0.0	-2.32e-04
717	188	-0.17	2.38	-0.22	-1.13e-03	0.0	-1.51e-04
717	193	1.75	-3.97	0.02	1.88e-03	0.0	1.51e-05
717	208	3.63	-2.00	-0.21	9.50e-04	0.0	-2.72e-04
717	220	-0.20	2.79	-0.24	-1.32e-03	0.0	-1.75e-04
717	225	2.08	-4.67	0.03	2.21e-03	0.0	1.64e-05
718	4	-3.28e-03	0.06	-0.02	-1.14e-04	0.0	-4.93e-06
718	28	-3.91e-03	-0.08	-0.02	1.52e-04	0.0	-1.79e-06

718	44	-3.62e-03	-0.13	-0.02	2.38e-04	0.0	0.0
718	68	-2.26e-03	0.04	-0.02	-7.55e-05	0.0	-3.43e-06
718	80	-2.68e-03	-0.05	-0.02	1.02e-04	0.0	-1.34e-06
718	88	-2.48e-03	-0.08	-0.01	1.59e-04	0.0	0.0
718	98	-1.94e-03	-6.23e-03	-0.01	1.14e-05	0.0	-2.08e-06
718	105	-1.91e-03	-0.02	-0.01	4.03e-05	0.0	-1.63e-06
718	107	-1.81e-03	-5.93e-03	-0.01	1.08e-05	0.0	-2.00e-06
718	115	-0.67	0.34	1.29e-03	-6.45e-04	0.0	4.15e-05
718	124	-0.04	0.55	-0.03	-1.04e-03	0.0	-3.50e-05
718	129	0.37	-0.88	-1.65e-03	1.67e-03	0.0	8.74e-06
718	147	-0.76	0.38	3.11e-03	-7.29e-04	0.0	4.70e-05
718	156	-0.05	0.62	-0.03	-1.17e-03	0.0	-3.91e-05
718	161	0.42	-0.99	-2.03e-04	1.88e-03	0.0	9.95e-06
718	179	-0.76	0.39	2.47e-03	-7.32e-04	0.0	4.68e-05
718	188	-0.05	0.61	-0.03	-1.17e-03	0.0	-3.81e-05
718	193	0.43	-0.99	-2.58e-04	1.89e-03	0.0	8.67e-06
718	211	-0.89	0.46	4.87e-03	-8.67e-04	0.0	5.53e-05
718	220	-0.05	0.72	-0.04	-1.37e-03	0.0	-4.40e-05
718	225	0.51	-1.17	1.84e-03	2.22e-03	0.0	9.76e-06
719	1	0.0	0.0	0.0	-1.23e-04	0.0	0.0
719	65	0.0	0.0	0.0	-8.12e-05	0.0	0.0
719	97	0.0	0.0	0.0	7.75e-06	0.0	0.0
719	106	0.0	0.0	0.0	7.75e-06	0.0	0.0
719	108	0.0	0.0	0.0	6.18e-04	0.0	-2.85e-06
719	140	0.0	0.0	0.0	6.95e-04	0.0	-3.18e-06
719	172	0.0	0.0	0.0	6.90e-04	0.0	-3.15e-06
719	204	0.0	0.0	0.0	8.08e-04	0.0	-3.64e-06
720	3	-2.46e-03	0.12	-0.04	-1.17e-04	0.0	-9.19e-06
720	4	-2.45e-03	0.12	-0.05	-1.16e-04	0.0	-9.47e-06
720	44	-2.00e-03	-0.25	-0.04	2.37e-04	0.0	-1.22e-06
720	67	-1.65e-03	0.08	-0.03	-7.72e-05	0.0	-6.41e-06
720	68	-1.65e-03	0.08	-0.03	-7.67e-05	0.0	-6.59e-06
720	88	-1.35e-03	-0.17	-0.03	1.59e-04	0.0	-1.09e-06
720	98	-1.14e-03	-0.01	-0.03	1.05e-05	0.0	-4.13e-06
720	105	-1.08e-03	-0.04	-0.03	3.95e-05	0.0	-3.32e-06
720	107	-1.03e-03	-0.01	-0.03	9.98e-06	0.0	-3.96e-06
720	115	-1.36	0.68	2.38e-03	-6.43e-04	0.0	8.87e-05
720	124	-0.08	1.09	-0.06	-1.03e-03	0.0	-7.02e-05
720	129	0.76	-1.76	-2.21e-03	1.66e-03	0.0	1.40e-05
720	147	-1.54	0.77	5.92e-03	-7.27e-04	0.0	1.01e-04
720	156	-0.09	1.23	-0.07	-1.16e-03	0.0	-7.84e-05
720	161	0.86	-1.98	7.71e-04	1.87e-03	0.0	1.60e-05
720	179	-1.54	0.77	4.58e-03	-7.30e-04	0.0	1.00e-04
720	188	-0.09	1.22	-0.07	-1.16e-03	0.0	-7.67e-05
720	193	0.87	-1.98	6.97e-04	1.88e-03	0.0	1.36e-05
720	211	-1.81	0.91	9.19e-03	-8.65e-04	0.0	1.18e-04
720	220	-0.10	1.43	-0.07	-1.36e-03	0.0	-8.88e-05
720	225	1.03	-2.33	5.04e-03	2.21e-03	0.0	1.52e-05
721	4	-1.66e-04	0.18	-0.07	-1.18e-04	0.0	-1.27e-05
721	42	1.50e-03	-0.37	-0.04	2.31e-04	0.0	0.0
721	44	1.37e-03	-0.37	-0.06	2.36e-04	0.0	-1.65e-06
721	68	-2.67e-05	0.12	-0.05	-7.84e-05	0.0	-8.82e-06
721	86	1.09e-03	-0.24	-0.03	1.55e-04	0.0	0.0
721	88	9.96e-04	-0.25	-0.04	1.58e-04	0.0	-1.48e-06
721	98	5.93e-04	-0.02	-0.04	9.29e-06	0.0	-5.54e-06
721	104	7.44e-04	-0.06	-0.03	3.55e-05	0.0	-3.06e-06
721	105	6.66e-04	-0.06	-0.04	3.84e-05	0.0	-4.45e-06
721	106	6.84e-04	-0.01	-0.03	5.91e-06	0.0	-3.93e-06
721	107	6.06e-04	-0.02	-0.04	8.81e-06	0.0	-5.31e-06
721	112	2.06	-1.05	-0.08	6.58e-04	0.0	-1.52e-04
721	124	-0.11	1.63	-0.09	-1.02e-03	0.0	-1.03e-04
721	129	1.15	-2.63	-2.89e-03	1.65e-03	0.0	1.46e-05
721	144	2.32	-1.18	-0.09	7.41e-04	0.0	-1.70e-04
721	156	-0.13	1.84	-0.10	-1.15e-03	0.0	-1.15e-04
721	161	1.29	-2.96	1.63e-03	1.86e-03	0.0	1.68e-05
721	176	2.32	-1.19	-0.08	7.45e-04	0.0	-1.70e-04
721	188	-0.13	1.83	-0.10	-1.15e-03	0.0	-1.13e-04
721	193	1.31	-2.97	1.55e-03	1.86e-03	0.0	1.37e-05
721	208	2.73	-1.40	-0.09	8.79e-04	0.0	-1.99e-04
721	220	-0.15	2.14	-0.11	-1.35e-03	0.0	-1.31e-04
721	225	1.56	-3.49	8.16e-03	2.19e-03	0.0	1.49e-05
722	4	1.48e-03	0.24	-0.10	-1.21e-04	0.0	-1.37e-05
722	44	4.24e-03	-0.50	-0.08	2.35e-04	0.0	0.0
722	68	1.13e-03	0.16	-0.07	-8.02e-05	0.0	-9.51e-06
722	88	2.97e-03	-0.33	-0.05	1.57e-04	0.0	0.0

722	98	1.94e-03	-0.02	-0.06	7.99e-06	0.0	-5.77e-06
722	105	2.04e-03	-0.08	-0.05	3.73e-05	0.0	-4.49e-06
722	107	1.87e-03	-0.02	-0.05	7.55e-06	0.0	-5.53e-06
722	112	2.75	-1.39	-0.11	6.52e-04	0.0	-2.11e-04
722	124	-0.15	2.16	-0.13	-1.01e-03	0.0	-1.34e-04
722	129	1.53	-3.49	-4.97e-03	1.63e-03	0.0	1.28e-05
722	144	3.09	-1.57	-0.11	7.34e-04	0.0	-2.37e-04
722	156	-0.17	2.44	-0.13	-1.14e-03	0.0	-1.50e-04
722	161	1.72	-3.93	1.06e-03	1.84e-03	0.0	1.48e-05
722	176	3.09	-1.58	-0.11	7.39e-04	0.0	-2.36e-04
722	188	-0.17	2.43	-0.13	-1.14e-03	0.0	-1.48e-04
722	193	1.75	-3.94	9.77e-04	1.84e-03	0.0	1.14e-05
722	208	3.64	-1.86	-0.12	8.71e-04	0.0	-2.77e-04
722	220	-0.20	2.85	-0.15	-1.33e-03	0.0	-1.73e-04
722	225	2.08	-4.64	9.82e-03	2.17e-03	0.0	1.20e-05
723	4	-2.79e-03	0.06	-0.02	-1.19e-04	0.0	-4.13e-06
723	28	-3.26e-03	-0.08	-0.02	1.50e-04	0.0	-1.63e-06
723	44	-2.99e-03	-0.12	-0.01	2.37e-04	0.0	0.0
723	68	-1.91e-03	0.04	-0.01	-7.85e-05	0.0	-2.87e-06
723	80	-2.23e-03	-0.05	-0.01	1.01e-04	0.0	-1.21e-06
723	88	-2.05e-03	-0.08	-0.01	1.59e-04	0.0	0.0
723	98	-1.61e-03	-5.11e-03	-0.01	9.50e-06	0.0	-1.78e-06
723	105	-1.57e-03	-0.02	-9.90e-03	3.88e-05	0.0	-1.41e-06
723	107	-1.49e-03	-4.86e-03	-0.01	9.03e-06	0.0	-1.71e-06
723	115	-0.68	0.32	-2.56e-03	-5.99e-04	0.0	4.68e-05
723	124	-0.04	0.56	-0.02	-1.06e-03	0.0	-3.37e-05
723	129	0.37	-0.88	-2.89e-03	1.67e-03	0.0	4.59e-06
723	147	-0.76	0.36	-1.62e-03	-6.77e-04	0.0	5.30e-05
723	156	-0.04	0.63	-0.02	-1.19e-03	0.0	-3.77e-05
723	161	0.42	-0.99	-1.99e-03	1.88e-03	0.0	5.28e-06
723	179	-0.76	0.36	-2.05e-03	-6.81e-04	0.0	5.29e-05
723	188	-0.05	0.63	-0.02	-1.19e-03	0.0	-3.70e-05
723	193	0.43	-0.99	-1.98e-03	1.88e-03	0.0	4.27e-06
723	211	-0.89	0.43	-8.82e-04	-8.06e-04	0.0	6.24e-05
723	220	-0.05	0.73	-0.02	-1.39e-03	0.0	-4.30e-05
723	225	0.51	-1.16	-6.39e-04	2.21e-03	0.0	4.66e-06
724	1	0.0	0.0	0.0	-1.26e-04	0.0	0.0
724	65	0.0	0.0	0.0	-8.36e-05	0.0	0.0
724	97	0.0	0.0	0.0	6.30e-06	0.0	0.0
724	106	0.0	0.0	0.0	6.30e-06	0.0	0.0
724	108	0.0	0.0	0.0	5.71e-04	0.0	-3.13e-06
724	140	0.0	0.0	0.0	6.42e-04	0.0	-3.50e-06
724	172	0.0	0.0	0.0	6.38e-04	0.0	-3.48e-06
724	204	0.0	0.0	0.0	7.47e-04	0.0	-4.04e-06
725	3	-1.95e-03	0.13	-0.03	-1.20e-04	0.0	-7.42e-06
725	4	-1.92e-03	0.12	-0.03	-1.19e-04	0.0	-7.65e-06
725	44	-1.44e-03	-0.25	-0.03	2.37e-04	0.0	0.0
725	67	-1.29e-03	0.08	-0.02	-7.95e-05	0.0	-5.17e-06
725	68	-1.27e-03	0.08	-0.02	-7.90e-05	0.0	-5.32e-06
725	88	-9.53e-04	-0.17	-0.02	1.59e-04	0.0	0.0
725	98	-8.04e-04	-0.01	-0.02	9.10e-06	0.0	-3.29e-06
725	105	-7.53e-04	-0.04	-0.02	3.84e-05	0.0	-2.60e-06
725	107	-7.20e-04	-9.53e-03	-0.02	8.64e-06	0.0	-3.15e-06
725	115	-1.36	0.63	-4.63e-03	-5.94e-04	0.0	9.72e-05
725	124	-0.08	1.11	-0.04	-1.05e-03	0.0	-6.77e-05
725	129	0.76	-1.75	-5.51e-03	1.65e-03	0.0	8.02e-06
725	147	-1.54	0.71	-2.76e-03	-6.72e-04	0.0	1.10e-04
725	156	-0.09	1.26	-0.04	-1.18e-03	0.0	-7.58e-05
725	161	0.86	-1.97	-3.73e-03	1.86e-03	0.0	9.25e-06
725	179	-1.54	0.72	-3.58e-03	-6.76e-04	0.0	1.10e-04
725	188	-0.09	1.25	-0.04	-1.18e-03	0.0	-7.46e-05
725	193	0.87	-1.97	-3.73e-03	1.86e-03	0.0	7.34e-06
725	211	-1.81	0.85	-1.23e-03	-8.00e-04	0.0	1.30e-04
725	220	-0.10	1.46	-0.05	-1.38e-03	0.0	-8.68e-05
725	225	1.03	-2.32	-1.08e-03	2.19e-03	0.0	7.90e-06
726	4	5.99e-04	0.19	-0.05	-1.20e-04	0.0	-1.02e-05
726	35	2.03e-03	-0.23	-0.04	1.48e-04	0.0	-3.17e-06
726	44	2.03e-03	-0.37	-0.04	2.37e-04	0.0	0.0
726	68	5.05e-04	0.12	-0.04	-7.97e-05	0.0	-7.07e-06
726	83	1.46e-03	-0.16	-0.03	9.91e-05	0.0	-2.40e-06
726	88	1.46e-03	-0.25	-0.03	1.58e-04	0.0	0.0
726	98	1.03e-03	-0.01	-0.03	8.63e-06	0.0	-4.30e-06
726	105	1.08e-03	-0.06	-0.03	3.80e-05	0.0	-3.34e-06
726	107	1.02e-03	-0.01	-0.03	8.18e-06	0.0	-4.11e-06
726	112	2.06	-0.97	-0.05	6.04e-04	0.0	-1.58e-04

726	124	-0.11	1.66	-0.06	-1.04e-03	0.0	-1.00e-04
726	129	1.15	-2.61	-8.28e-03	1.63e-03	0.0	9.36e-06
726	144	2.33	-1.09	-0.05	6.80e-04	0.0	-1.78e-04
726	156	-0.13	1.87	-0.06	-1.17e-03	0.0	-1.12e-04
726	161	1.30	-2.94	-5.63e-03	1.84e-03	0.0	1.08e-05
726	176	2.33	-1.10	-0.05	6.84e-04	0.0	-1.78e-04
726	188	-0.13	1.87	-0.06	-1.16e-03	0.0	-1.11e-04
726	193	1.31	-2.95	-5.63e-03	1.84e-03	0.0	8.32e-06
726	208	2.73	-1.29	-0.06	8.08e-04	0.0	-2.08e-04
726	220	-0.15	2.18	-0.07	-1.36e-03	0.0	-1.29e-04
726	225	1.56	-3.47	-1.71e-03	2.16e-03	0.0	8.76e-06
727	4	2.73e-03	0.25	-0.07	-1.21e-04	0.0	-1.14e-05
727	44	5.19e-03	-0.50	-0.06	2.37e-04	0.0	0.0
727	68	2.00e-03	0.17	-0.05	-8.04e-05	0.0	-7.87e-06
727	88	3.64e-03	-0.33	-0.04	1.58e-04	0.0	0.0
727	98	2.63e-03	-0.02	-0.04	8.19e-06	0.0	-4.59e-06
727	105	2.68e-03	-0.08	-0.04	3.77e-05	0.0	-3.44e-06
727	107	2.52e-03	-0.02	-0.04	7.75e-06	0.0	-4.38e-06
727	112	2.75	-1.28	-0.07	5.95e-04	0.0	-2.16e-04
727	124	-0.15	2.20	-0.08	-1.02e-03	0.0	-1.33e-04
727	129	1.53	-3.46	-0.01	1.61e-03	0.0	9.55e-06
727	144	3.10	-1.45	-0.07	6.70e-04	0.0	-2.43e-04
727	156	-0.17	2.48	-0.09	-1.15e-03	0.0	-1.49e-04
727	161	1.73	-3.90	-8.51e-03	1.81e-03	0.0	1.11e-05
727	176	3.10	-1.45	-0.07	6.75e-04	0.0	-2.43e-04
727	188	-0.17	2.47	-0.08	-1.14e-03	0.0	-1.48e-04
727	193	1.75	-3.91	-8.51e-03	1.81e-03	0.0	8.29e-06
727	208	3.64	-1.71	-0.08	7.96e-04	0.0	-2.85e-04
727	220	-0.20	2.89	-0.09	-1.34e-03	0.0	-1.73e-04
727	225	2.08	-4.59	-3.32e-03	2.13e-03	0.0	8.49e-06
728	4	-2.26e-03	0.06	-0.01	-1.22e-04	0.0	-3.23e-06
728	28	-2.60e-03	-0.08	-0.01	1.49e-04	0.0	-1.17e-06
728	44	-2.37e-03	-0.12	-0.01	2.37e-04	0.0	0.0
728	68	-1.54e-03	0.04	-9.80e-03	-8.08e-05	0.0	-2.24e-06
728	80	-1.77e-03	-0.05	-9.20e-03	9.98e-05	0.0	0.0
728	88	-1.62e-03	-0.08	-8.25e-03	1.59e-04	0.0	0.0
728	98	-1.26e-03	-4.25e-03	-8.39e-03	8.06e-06	0.0	-1.36e-06
728	105	-1.24e-03	-0.02	-8.04e-03	3.77e-05	0.0	-1.06e-06
728	107	-1.17e-03	-4.03e-03	-8.14e-03	7.65e-06	0.0	-1.30e-06
728	115	-0.68	0.29	-4.05e-03	-5.50e-04	0.0	5.08e-05
728	124	-0.04	0.57	-0.01	-1.08e-03	0.0	-3.33e-05
728	129	0.38	-0.87	-4.18e-03	1.65e-03	0.0	2.67e-06
728	147	-0.76	0.33	-3.54e-03	-6.22e-04	0.0	5.75e-05
728	156	-0.04	0.64	-0.01	-1.22e-03	0.0	-3.73e-05
728	161	0.42	-0.98	-3.68e-03	1.86e-03	0.0	3.11e-06
728	179	-0.76	0.33	-3.77e-03	-6.25e-04	0.0	5.74e-05
728	188	-0.04	0.64	-0.01	-1.21e-03	0.0	-3.69e-05
728	193	0.43	-0.98	-3.68e-03	1.86e-03	0.0	2.34e-06
728	211	-0.90	0.39	-3.14e-03	-7.41e-04	0.0	6.76e-05
728	220	-0.05	0.75	-0.02	-1.42e-03	0.0	-4.31e-05
728	225	0.51	-1.15	-2.94e-03	2.19e-03	0.0	2.44e-06
729	1	0.0	0.0	0.0	-1.29e-04	0.0	0.0
729	65	0.0	0.0	0.0	-8.54e-05	0.0	0.0
729	97	0.0	0.0	0.0	5.20e-06	0.0	0.0
729	106	0.0	0.0	0.0	5.20e-06	0.0	0.0
729	108	0.0	0.0	0.0	5.20e-04	0.0	-3.32e-06
729	140	0.0	0.0	0.0	5.85e-04	0.0	-3.72e-06
729	172	0.0	0.0	0.0	5.82e-04	0.0	-3.70e-06
729	204	0.0	0.0	0.0	6.82e-04	0.0	-4.32e-06
730	3	-1.37e-03	0.13	-0.03	-1.23e-04	0.0	-5.81e-06
730	4	-1.32e-03	0.13	-0.03	-1.22e-04	0.0	-5.99e-06
730	44	-8.39e-04	-0.25	-0.02	2.37e-04	0.0	0.0
730	67	-8.88e-04	0.09	-0.02	-8.14e-05	0.0	-4.03e-06
730	68	-8.53e-04	0.08	-0.02	-8.09e-05	0.0	-4.16e-06
730	88	-5.35e-04	-0.17	-0.02	1.59e-04	0.0	0.0
730	98	-4.40e-04	-8.46e-03	-0.02	8.02e-06	0.0	-2.49e-06
730	103	-4.62e-04	0.02	-0.02	-2.26e-05	0.0	-2.79e-06
730	105	-4.02e-04	-0.04	-0.02	3.76e-05	0.0	-1.91e-06
730	107	-3.76e-04	-8.03e-03	-0.02	7.61e-06	0.0	-2.38e-06
730	115	-1.36	0.58	-7.71e-03	-5.44e-04	0.0	1.04e-04
730	124	-0.08	1.13	-0.03	-1.07e-03	0.0	-6.73e-05
730	129	0.76	-1.74	-7.91e-03	1.64e-03	0.0	5.08e-06
730	147	-1.54	0.65	-6.70e-03	-6.14e-04	0.0	1.18e-04
730	156	-0.09	1.28	-0.03	-1.20e-03	0.0	-7.55e-05
730	161	0.86	-1.96	-6.91e-03	1.84e-03	0.0	5.91e-06

730	179	-1.54	0.66	-7.16e-03	-6.18e-04	0.0	1.18e-04
730	188	-0.09	1.27	-0.03	-1.20e-03	0.0	-7.48e-05
730	193	0.87	-1.96	-6.90e-03	1.84e-03	0.0	4.44e-06
730	211	-1.81	0.78	-5.91e-03	-7.33e-04	0.0	1.39e-04
730	220	-0.10	1.49	-0.03	-1.40e-03	0.0	-8.74e-05
730	225	1.03	-2.30	-5.42e-03	2.17e-03	0.0	4.58e-06
731	4	1.47e-03	0.19	-0.04	-1.22e-04	0.0	-8.15e-06
731	35	2.81e-03	-0.23	-0.04	1.48e-04	0.0	-2.09e-06
731	44	2.76e-03	-0.37	-0.03	2.37e-04	0.0	0.0
731	68	1.11e-03	0.13	-0.03	-8.10e-05	0.0	-5.64e-06
731	83	2.00e-03	-0.16	-0.03	9.90e-05	0.0	-1.60e-06
731	88	1.97e-03	-0.25	-0.02	1.59e-04	0.0	0.0
731	98	1.52e-03	-0.01	-0.02	8.02e-06	0.0	-3.30e-06
731	101	1.54e-03	-0.01	-0.02	7.78e-06	0.0	-3.22e-06
731	105	1.54e-03	-0.06	-0.02	3.77e-05	0.0	-2.47e-06
731	107	1.49e-03	-0.01	-0.02	7.61e-06	0.0	-3.16e-06
731	112	2.07	-0.89	-0.04	5.50e-04	0.0	-1.65e-04
731	124	-0.11	1.69	-0.04	-1.05e-03	0.0	-1.00e-04
731	129	1.15	-2.59	-0.01	1.61e-03	0.0	6.78e-06
731	144	2.33	-1.00	-0.04	6.19e-04	0.0	-1.85e-04
731	156	-0.13	1.91	-0.04	-1.18e-03	0.0	-1.13e-04
731	161	1.30	-2.92	-0.01	1.81e-03	0.0	7.88e-06
731	176	2.33	-1.00	-0.04	6.24e-04	0.0	-1.85e-04
731	188	-0.13	1.90	-0.04	-1.18e-03	0.0	-1.12e-04
731	193	1.32	-2.92	-0.01	1.82e-03	0.0	5.89e-06
731	208	2.74	-1.18	-0.04	7.36e-04	0.0	-2.17e-04
731	220	-0.15	2.22	-0.05	-1.38e-03	0.0	-1.31e-04
731	225	1.56	-3.43	-7.95e-03	2.13e-03	0.0	6.02e-06
732	4	4.14e-03	0.26	-0.05	-1.22e-04	0.0	-9.55e-06
732	28	6.51e-03	-0.31	-0.05	1.49e-04	0.0	-2.49e-06
732	44	6.29e-03	-0.50	-0.04	2.38e-04	0.0	0.0
732	68	2.98e-03	0.17	-0.04	-8.10e-05	0.0	-6.59e-06
732	80	4.56e-03	-0.21	-0.04	1.00e-04	0.0	-1.88e-06
732	88	4.41e-03	-0.33	-0.03	1.59e-04	0.0	0.0
732	98	3.41e-03	-0.02	-0.03	8.09e-06	0.0	-3.73e-06
732	105	3.41e-03	-0.08	-0.03	3.77e-05	0.0	-2.69e-06
732	107	3.26e-03	-0.02	-0.03	7.67e-06	0.0	-3.55e-06
732	112	2.75	-1.17	-0.05	5.40e-04	0.0	-2.22e-04
732	124	-0.15	2.24	-0.05	-1.03e-03	0.0	-1.34e-04
732	129	1.53	-3.43	-0.02	1.58e-03	0.0	8.13e-06
732	144	3.10	-1.32	-0.05	6.08e-04	0.0	-2.50e-04
732	156	-0.17	2.52	-0.06	-1.16e-03	0.0	-1.50e-04
732	161	1.73	-3.86	-0.01	1.78e-03	0.0	9.45e-06
732	176	3.10	-1.33	-0.05	6.13e-04	0.0	-2.49e-04
732	188	-0.17	2.51	-0.06	-1.15e-03	0.0	-1.49e-04
732	193	1.75	-3.86	-0.01	1.78e-03	0.0	7.12e-06
732	208	3.65	-1.57	-0.05	7.23e-04	0.0	-2.92e-04
732	220	-0.20	2.94	-0.06	-1.35e-03	0.0	-1.75e-04
732	225	2.09	-4.54	-0.01	2.10e-03	0.0	7.23e-06
733	4	-1.73e-03	0.07	-0.01	-1.25e-04	0.0	-2.44e-06
733	28	-1.97e-03	-0.08	-0.01	1.48e-04	0.0	0.0
733	44	-1.80e-03	-0.12	-9.64e-03	2.37e-04	0.0	0.0
733	68	-1.17e-03	0.04	-8.22e-03	-8.27e-05	0.0	-1.69e-06
733	80	-1.33e-03	-0.05	-7.79e-03	9.92e-05	0.0	0.0
733	88	-1.22e-03	-0.08	-7.10e-03	1.59e-04	0.0	0.0
733	98	-9.32e-04	-3.63e-03	-7.18e-03	6.99e-06	0.0	0.0
733	105	-9.12e-04	-0.02	-6.93e-03	3.69e-05	0.0	0.0
733	107	-8.58e-04	-3.44e-03	-7.00e-03	6.63e-06	0.0	0.0
733	115	-0.68	0.26	-5.02e-03	-4.98e-04	0.0	5.36e-05
733	124	-0.04	0.58	-0.01	-1.10e-03	0.0	-3.35e-05
733	129	0.38	-0.86	-4.75e-03	1.64e-03	0.0	2.18e-06
733	147	-0.76	0.30	-4.77e-03	-5.63e-04	0.0	6.05e-05
733	156	-0.04	0.65	-0.01	-1.23e-03	0.0	-3.77e-05
733	161	0.42	-0.97	-4.46e-03	1.84e-03	0.0	2.54e-06
733	179	-0.76	0.30	-4.90e-03	-5.67e-04	0.0	6.04e-05
733	188	-0.04	0.65	-0.01	-1.23e-03	0.0	-3.75e-05
733	193	0.43	-0.97	-4.46e-03	1.84e-03	0.0	1.93e-06
733	211	-0.90	0.35	-4.61e-03	-6.72e-04	0.0	7.12e-05
733	220	-0.05	0.76	-0.01	-1.44e-03	0.0	-4.39e-05
733	225	0.51	-1.14	-4.03e-03	2.16e-03	0.0	1.98e-06
734	1	0.0	0.0	0.0	-1.31e-04	0.0	0.0
734	65	0.0	0.0	0.0	-8.67e-05	0.0	0.0
734	97	0.0	0.0	0.0	4.41e-06	0.0	0.0
734	106	0.0	0.0	0.0	4.41e-06	0.0	0.0
734	108	0.0	0.0	0.0	4.68e-04	0.0	-3.44e-06

734	140	0.0	0.0	0.0	5.27e-04	0.0	-3.86e-06
734	172	0.0	0.0	0.0	5.23e-04	0.0	-3.84e-06
734	204	0.0	0.0	0.0	6.14e-04	0.0	-4.49e-06
735	4	-6.92e-04	0.13	-0.02	-1.24e-04	0.0	-4.64e-06
735	21	-8.85e-04	0.23	-0.02	-2.20e-04	0.0	-4.60e-06
735	44	-2.41e-04	-0.25	-0.02	2.37e-04	0.0	0.0
735	68	-4.18e-04	0.09	-0.02	-8.25e-05	0.0	-3.21e-06
735	74	-5.25e-04	0.15	-0.01	-1.45e-04	0.0	-3.53e-06
735	88	-1.17e-04	-0.17	-0.01	1.59e-04	0.0	0.0
735	98	-6.81e-05	-7.31e-03	-0.01	7.14e-06	0.0	-1.83e-06
735	99	2.54e-04	-4.80e-03	-0.01	4.70e-06	0.0	-1.28e-06
735	105	-4.56e-05	-0.04	-0.01	3.70e-05	0.0	-1.33e-06
735	106	2.33e-04	-4.64e-03	-0.01	4.54e-06	0.0	-1.24e-06
735	107	-2.51e-05	-6.92e-03	-0.01	6.77e-06	0.0	-1.75e-06
735	115	-1.36	0.52	-9.60e-03	-4.91e-04	0.0	1.09e-04
735	124	-0.08	1.15	-0.02	-1.08e-03	0.0	-6.80e-05
735	129	0.76	-1.72	-9.07e-03	1.62e-03	0.0	4.36e-06
735	147	-1.54	0.59	-9.11e-03	-5.55e-04	0.0	1.23e-04
735	156	-0.09	1.30	-0.02	-1.22e-03	0.0	-7.64e-05
735	161	0.86	-1.94	-8.50e-03	1.82e-03	0.0	5.05e-06
735	179	-1.54	0.60	-9.37e-03	-5.59e-04	0.0	1.23e-04
735	188	-0.09	1.29	-0.02	-1.21e-03	0.0	-7.60e-05
735	193	0.87	-1.94	-8.49e-03	1.82e-03	0.0	3.87e-06
735	211	-1.81	0.71	-8.79e-03	-6.63e-04	0.0	1.45e-04
735	220	-0.10	1.51	-0.02	-1.42e-03	0.0	-8.92e-05
735	225	1.03	-2.27	-7.63e-03	2.14e-03	0.0	3.96e-06
736	4	2.39e-03	0.20	-0.03	-1.24e-04	0.0	-6.58e-06
736	28	3.66e-03	-0.23	-0.03	1.49e-04	0.0	-1.64e-06
736	44	3.53e-03	-0.37	-0.03	2.38e-04	0.0	0.0
736	68	1.75e-03	0.13	-0.02	-8.23e-05	0.0	-4.54e-06
736	80	2.60e-03	-0.16	-0.02	9.96e-05	0.0	-1.25e-06
736	88	2.51e-03	-0.25	-0.02	1.59e-04	0.0	0.0
736	98	2.05e-03	-0.01	-0.02	7.37e-06	0.0	-2.56e-06
736	101	2.05e-03	-0.01	-0.02	7.15e-06	0.0	-2.49e-06
736	105	2.03e-03	-0.06	-0.02	3.72e-05	0.0	-1.83e-06
736	107	1.98e-03	-0.01	-0.02	6.99e-06	0.0	-2.44e-06
736	112	2.07	-0.80	-0.03	4.95e-04	0.0	-1.69e-04
736	124	-0.11	1.72	-0.03	-1.06e-03	0.0	-1.01e-04
736	129	1.15	-2.56	-0.01	1.59e-03	0.0	6.25e-06
736	144	2.33	-0.90	-0.03	5.58e-04	0.0	-1.90e-04
736	156	-0.13	1.93	-0.03	-1.20e-03	0.0	-1.14e-04
736	161	1.30	-2.89	-0.01	1.79e-03	0.0	7.24e-06
736	176	2.33	-0.91	-0.03	5.63e-04	0.0	-1.90e-04
736	188	-0.13	1.92	-0.03	-1.19e-03	0.0	-1.14e-04
736	193	1.32	-2.89	-0.01	1.79e-03	0.0	5.59e-06
736	208	2.74	-1.07	-0.03	6.65e-04	0.0	-2.23e-04
736	220	-0.15	2.25	-0.03	-1.39e-03	0.0	-1.33e-04
736	225	1.57	-3.39	-0.01	2.10e-03	0.0	5.72e-06
737	4	5.72e-03	0.26	-0.04	-1.24e-04	0.0	-8.20e-06
737	28	7.98e-03	-0.31	-0.04	1.49e-04	0.0	-1.89e-06
737	44	7.51e-03	-0.50	-0.04	2.38e-04	0.0	1.16e-06
737	68	4.07e-03	0.17	-0.03	-8.19e-05	0.0	-5.65e-06
737	80	5.58e-03	-0.21	-0.03	1.00e-04	0.0	-1.44e-06
737	88	5.27e-03	-0.33	-0.03	1.59e-04	0.0	0.0
737	98	4.28e-03	-0.02	-0.03	7.67e-06	0.0	-3.13e-06
737	105	4.22e-03	-0.08	-0.03	3.75e-05	0.0	-2.19e-06
737	107	4.08e-03	-0.01	-0.03	7.28e-06	0.0	-2.97e-06
737	112	2.76	-1.06	-0.03	4.85e-04	0.0	-2.26e-04
737	124	-0.15	2.27	-0.04	-1.04e-03	0.0	-1.35e-04
737	129	1.54	-3.39	-0.02	1.56e-03	0.0	8.01e-06
737	144	3.11	-1.19	-0.04	5.47e-04	0.0	-2.54e-04
737	156	-0.17	2.56	-0.04	-1.17e-03	0.0	-1.52e-04
737	161	1.74	-3.82	-0.02	1.76e-03	0.0	9.28e-06
737	176	3.11	-1.20	-0.04	5.51e-04	0.0	-2.54e-04
737	188	-0.17	2.54	-0.04	-1.17e-03	0.0	-1.52e-04
737	193	1.76	-3.82	-0.02	1.76e-03	0.0	7.25e-06
737	208	3.66	-1.42	-0.04	6.52e-04	0.0	-2.98e-04
737	220	-0.20	2.97	-0.04	-1.36e-03	0.0	-1.78e-04
737	225	2.09	-4.48	-0.02	2.06e-03	0.0	7.44e-06
738	4	-1.23e-03	0.07	-0.01	-1.27e-04	0.0	-1.81e-06
738	27	-1.40e-03	-0.08	-9.27e-03	1.47e-04	0.0	0.0
738	44	-1.27e-03	-0.12	-8.79e-03	2.38e-04	0.0	0.0
738	68	-8.25e-04	0.04	-7.38e-03	-8.41e-05	0.0	-1.25e-06
738	79	-9.36e-04	-0.05	-6.83e-03	9.85e-05	0.0	0.0
738	88	-8.53e-04	-0.08	-6.51e-03	1.59e-04	0.0	0.0

738	98	-6.24e-04	-3.20e-03	-6.55e-03	6.19e-06	0.0	0.0
738	105	-6.12e-04	-0.02	-6.35e-03	3.63e-05	0.0	0.0
738	107	-5.66e-04	-3.03e-03	-6.40e-03	5.87e-06	0.0	0.0
738	115	-0.68	0.23	-6.74e-03	-4.44e-04	0.0	5.52e-05
738	126	-0.40	0.85	-8.01e-03	-1.60e-03	0.0	-3.96e-06
738	129	0.38	-0.85	-4.80e-03	1.62e-03	0.0	2.30e-06
738	147	-0.76	0.27	-6.78e-03	-5.02e-04	0.0	6.23e-05
738	158	-0.45	0.95	-8.21e-03	-1.80e-03	0.0	-4.42e-06
738	161	0.42	-0.96	-4.60e-03	1.82e-03	0.0	2.65e-06
738	179	-0.76	0.27	-6.76e-03	-5.06e-04	0.0	6.22e-05
738	193	0.43	-0.96	-4.62e-03	1.82e-03	0.0	2.12e-06
738	194	-0.43	0.95	-8.19e-03	-1.81e-03	0.0	-3.38e-06
738	211	-0.90	0.32	-6.81e-03	-6.00e-04	0.0	7.32e-05
738	225	0.51	-1.13	-4.32e-03	2.14e-03	0.0	2.19e-06
738	226	-0.51	1.12	-8.49e-03	-2.12e-03	0.0	-3.45e-06
739	1	0.0	0.0	0.0	-1.32e-04	0.0	0.0
739	65	0.0	0.0	0.0	-8.78e-05	0.0	0.0
739	97	0.0	0.0	0.0	3.87e-06	0.0	0.0
739	106	0.0	0.0	0.0	3.87e-06	0.0	0.0
739	108	0.0	0.0	0.0	4.15e-04	0.0	-3.50e-06
739	140	0.0	0.0	0.0	4.67e-04	0.0	-3.93e-06
739	172	0.0	0.0	0.0	4.64e-04	0.0	-3.91e-06
739	204	0.0	0.0	0.0	5.45e-04	0.0	-4.58e-06
740	4	-7.69e-05	0.13	-0.02	-1.26e-04	0.0	-3.58e-06
740	44	3.33e-04	-0.25	-0.02	2.38e-04	0.0	0.0
740	57	8.07e-04	-6.62e-03	-0.02	6.55e-06	0.0	-1.40e-06
740	68	1.09e-05	0.09	-0.01	-8.39e-05	0.0	-2.47e-06
740	88	2.84e-04	-0.17	-0.01	1.59e-04	0.0	0.0
740	93	6.00e-04	-4.77e-03	-0.01	4.73e-06	0.0	-1.01e-06
740	98	2.94e-04	-6.47e-03	-0.01	6.38e-06	0.0	-1.32e-06
740	99	4.85e-04	-4.22e-03	-0.01	4.19e-06	0.0	0.0
740	105	3.01e-04	-0.04	-0.01	3.65e-05	0.0	0.0
740	106	4.56e-04	-4.09e-03	-0.01	4.06e-06	0.0	0.0
740	107	3.17e-04	-6.13e-03	-0.01	6.05e-06	0.0	-1.25e-06
740	112	1.37	-0.48	-0.01	4.50e-04	0.0	-1.15e-04
740	126	-0.81	1.68	-0.02	-1.58e-03	0.0	6.62e-05
740	129	0.76	-1.70	-9.15e-03	1.60e-03	0.0	-6.95e-05
740	144	1.54	-0.54	-0.01	5.07e-04	0.0	-1.29e-04
740	158	-0.92	1.90	-0.02	-1.78e-03	0.0	7.48e-05
740	161	0.86	-1.92	-8.75e-03	1.80e-03	0.0	-7.83e-05
740	176	1.54	-0.54	-0.01	5.11e-04	0.0	-1.29e-04
740	193	0.87	-1.91	-8.79e-03	1.80e-03	0.0	-7.92e-05
740	194	-0.87	1.90	-0.02	-1.79e-03	0.0	7.67e-05
740	208	1.81	-0.64	-0.01	6.04e-04	0.0	-1.51e-04
740	225	1.03	-2.25	-8.19e-03	2.11e-03	0.0	-9.42e-05
740	226	-1.03	2.23	-0.02	-2.10e-03	0.0	9.17e-05
741	4	3.31e-03	0.20	-0.03	-1.26e-04	0.0	-5.38e-06
741	28	4.57e-03	-0.23	-0.03	1.48e-04	0.0	0.0
741	44	4.30e-03	-0.37	-0.03	2.38e-04	0.0	1.15e-06
741	68	2.39e-03	0.13	-0.02	-8.36e-05	0.0	-3.70e-06
741	80	3.23e-03	-0.16	-0.02	9.93e-05	0.0	0.0
741	88	3.05e-03	-0.25	-0.02	1.59e-04	0.0	0.0
741	98	2.57e-03	-9.87e-03	-0.02	6.66e-06	0.0	-1.99e-06
741	105	2.53e-03	-0.06	-0.02	3.67e-05	0.0	-1.34e-06
741	107	2.47e-03	-9.35e-03	-0.02	6.32e-06	0.0	-1.89e-06
741	112	2.07	-0.71	-0.02	4.41e-04	0.0	-1.72e-04
741	126	-1.23	2.51	-0.02	-1.55e-03	0.0	9.87e-05
741	129	1.15	-2.53	-0.01	1.57e-03	0.0	-1.04e-04
741	144	2.33	-0.80	-0.02	4.97e-04	0.0	-1.93e-04
741	158	-1.39	2.82	-0.02	-1.75e-03	0.0	1.12e-04
741	161	1.30	-2.85	-0.01	1.77e-03	0.0	-1.17e-04
741	176	2.33	-0.81	-0.02	5.01e-04	0.0	-1.93e-04
741	193	1.32	-2.85	-0.01	1.77e-03	0.0	-1.18e-04
741	194	-1.31	2.83	-0.02	-1.75e-03	0.0	1.14e-04
741	208	2.74	-0.96	-0.02	5.93e-04	0.0	-2.26e-04
741	225	1.57	-3.35	-0.01	2.07e-03	0.0	-1.41e-04
741	226	-1.56	3.33	-0.02	-2.06e-03	0.0	1.37e-04
742	4	7.45e-03	0.27	-0.04	-1.25e-04	0.0	-7.21e-06
742	28	9.63e-03	-0.31	-0.04	1.49e-04	0.0	-1.46e-06
742	44	8.88e-03	-0.50	-0.03	2.39e-04	0.0	1.33e-06
742	68	5.28e-03	0.18	-0.03	-8.32e-05	0.0	-4.96e-06
742	80	6.73e-03	-0.21	-0.03	9.97e-05	0.0	-1.12e-06
742	88	6.23e-03	-0.33	-0.02	1.59e-04	0.0	0.0
742	98	5.24e-03	-0.01	-0.03	6.98e-06	0.0	-2.71e-06
742	105	5.12e-03	-0.08	-0.02	3.70e-05	0.0	-1.85e-06

742	107	4.99e-03	-0.01	-0.02	6.63e-06	0.0	-2.57e-06
742	112	2.77	-0.94	-0.02	4.31e-04	0.0	-2.28e-04
742	126	-1.64	3.31	-0.03	-1.52e-03	0.0	1.31e-04
742	129	1.54	-3.35	-0.02	1.54e-03	0.0	-1.38e-04
742	144	3.12	-1.06	-0.02	4.86e-04	0.0	-2.57e-04
742	161	1.74	-3.77	-0.02	1.73e-03	0.0	-1.56e-04
742	162	-1.73	3.75	-0.03	-1.72e-03	0.0	1.50e-04
742	176	3.12	-1.07	-0.02	4.91e-04	0.0	-2.57e-04
742	193	1.77	-3.77	-0.02	1.73e-03	0.0	-1.57e-04
742	194	-1.76	3.74	-0.03	-1.72e-03	0.0	1.52e-04
742	208	3.67	-1.27	-0.02	5.80e-04	0.0	-3.01e-04
742	225	2.10	-4.42	-0.02	2.03e-03	0.0	-1.87e-04
742	226	-2.09	4.40	-0.03	-2.02e-03	0.0	1.82e-04
743	4	-7.74e-04	0.07	-9.72e-03	-1.28e-04	0.0	-1.31e-06
743	27	-9.09e-04	-0.08	-9.00e-03	1.47e-04	0.0	0.0
743	44	-8.13e-04	-0.12	-8.58e-03	2.38e-04	0.0	0.0
743	68	-5.05e-04	0.04	-7.12e-03	-8.53e-05	0.0	0.0
743	79	-5.95e-04	-0.05	-6.64e-03	9.84e-05	0.0	0.0
743	88	-5.31e-04	-0.08	-6.36e-03	1.59e-04	0.0	0.0
743	98	-3.46e-04	-2.92e-03	-6.37e-03	5.62e-06	0.0	0.0
743	105	-3.43e-04	-0.02	-6.19e-03	3.60e-05	0.0	0.0
743	107	-3.03e-04	-2.76e-03	-6.23e-03	5.32e-06	0.0	0.0
743	114	-0.54	0.59	-8.39e-03	-1.12e-03	0.0	4.39e-05
743	115	-0.68	0.21	-7.54e-03	-3.90e-04	0.0	5.59e-05
743	129	0.38	-0.84	-4.95e-03	1.60e-03	0.0	-3.42e-05
743	146	-0.61	0.67	-8.66e-03	-1.27e-03	0.0	4.95e-05
743	147	-0.76	0.23	-7.70e-03	-4.41e-04	0.0	6.31e-05
743	161	0.42	-0.95	-4.79e-03	1.80e-03	0.0	-3.86e-05
743	178	-0.61	0.66	-8.65e-03	-1.25e-03	0.0	4.91e-05
743	179	-0.76	0.24	-7.71e-03	-4.45e-04	0.0	6.29e-05
743	193	0.43	-0.95	-4.76e-03	1.80e-03	0.0	-3.91e-05
743	210	-0.72	0.77	-9.07e-03	-1.46e-03	0.0	5.76e-05
743	211	-0.90	0.28	-7.98e-03	-5.28e-04	0.0	7.40e-05
743	225	0.51	-1.11	-4.48e-03	2.11e-03	0.0	-4.65e-05
744	1	0.0	0.0	0.0	-1.33e-04	0.0	0.0
744	65	0.0	0.0	0.0	-8.85e-05	0.0	0.0
744	97	0.0	0.0	0.0	3.52e-06	0.0	0.0
744	106	0.0	0.0	0.0	3.52e-06	0.0	0.0
744	108	0.0	0.0	0.0	3.61e-04	0.0	-2.82e-06
744	140	0.0	0.0	0.0	4.07e-04	0.0	-3.17e-06
744	172	0.0	0.0	0.0	4.04e-04	0.0	-3.15e-06
744	204	0.0	0.0	0.0	4.75e-04	0.0	-3.69e-06
745	4	5.03e-04	0.13	-0.02	-1.28e-04	0.0	-2.73e-06
745	44	8.63e-04	-0.25	-0.02	2.38e-04	0.0	1.28e-06
745	57	1.15e-03	-6.00e-03	-0.02	5.86e-06	0.0	0.0
745	68	4.15e-04	0.09	-0.01	-8.51e-05	0.0	-1.87e-06
745	88	6.56e-04	-0.17	-0.01	1.59e-04	0.0	0.0
745	93	8.47e-04	-4.32e-03	-0.01	4.23e-06	0.0	0.0
745	98	6.34e-04	-5.88e-03	-0.01	5.72e-06	0.0	0.0
745	99	7.03e-04	-3.83e-03	-0.01	3.76e-06	0.0	0.0
745	105	6.25e-04	-0.04	-0.01	3.60e-05	0.0	0.0
745	106	6.67e-04	-3.71e-03	-0.01	3.64e-06	0.0	0.0
745	107	6.39e-04	-5.57e-03	-0.01	5.43e-06	0.0	0.0
745	112	1.37	-0.42	-9.47e-03	3.94e-04	0.0	-1.15e-04
745	114	-1.09	1.18	-0.02	-1.11e-03	0.0	8.92e-05
745	129	0.76	-1.68	-9.48e-03	1.58e-03	0.0	-6.95e-05
745	144	1.54	-0.47	-9.15e-03	4.44e-04	0.0	-1.30e-04
745	146	-1.23	1.33	-0.02	-1.25e-03	0.0	1.01e-04
745	161	0.86	-1.89	-9.15e-03	1.78e-03	0.0	-7.84e-05
745	176	1.54	-0.48	-9.13e-03	4.49e-04	0.0	-1.29e-04
745	178	-1.23	1.32	-0.02	-1.24e-03	0.0	9.98e-05
745	193	0.87	-1.89	-9.11e-03	1.77e-03	0.0	-7.93e-05
745	208	1.81	-0.57	-8.60e-03	5.31e-04	0.0	-1.52e-04
745	210	-1.45	1.54	-0.02	-1.44e-03	0.0	1.17e-04
745	225	1.03	-2.22	-8.55e-03	2.08e-03	0.0	-9.45e-05
746	4	4.20e-03	0.20	-0.03	-1.28e-04	0.0	-4.41e-06
746	28	5.44e-03	-0.23	-0.03	1.48e-04	0.0	0.0
746	44	5.03e-03	-0.38	-0.02	2.38e-04	0.0	1.58e-06
746	68	3.01e-03	0.13	-0.02	-8.49e-05	0.0	-3.03e-06
746	80	3.83e-03	-0.16	-0.02	9.89e-05	0.0	0.0
746	88	3.57e-03	-0.25	-0.02	1.59e-04	0.0	0.0
746	98	3.07e-03	-8.91e-03	-0.02	5.89e-06	0.0	-1.52e-06
746	105	3.00e-03	-0.06	-0.02	3.62e-05	0.0	0.0
746	107	2.95e-03	-8.45e-03	-0.02	5.59e-06	0.0	-1.45e-06
746	112	2.07	-0.63	-0.01	3.86e-04	0.0	-1.72e-04

746	114	-1.65	1.76	-0.02	-1.09e-03	0.0	1.33e-04
746	129	1.16	-2.50	-0.01	1.55e-03	0.0	-1.04e-04
746	144	2.34	-0.71	-0.01	4.35e-04	0.0	-1.94e-04
746	146	-1.86	1.98	-0.02	-1.23e-03	0.0	1.50e-04
746	161	1.30	-2.82	-0.01	1.75e-03	0.0	-1.17e-04
746	176	2.34	-0.71	-0.01	4.40e-04	0.0	-1.93e-04
746	178	-1.86	1.96	-0.02	-1.21e-03	0.0	1.49e-04
746	193	1.32	-2.81	-0.01	1.74e-03	0.0	-1.19e-04
746	208	2.75	-0.84	-0.01	5.21e-04	0.0	-2.27e-04
746	210	-2.19	2.29	-0.03	-1.42e-03	0.0	1.75e-04
746	225	1.57	-3.30	-0.01	2.04e-03	0.0	-1.41e-04
747	4	9.42e-03	0.27	-0.04	-1.27e-04	0.0	-6.39e-06
747	28	0.01	-0.31	-0.04	1.48e-04	0.0	-1.02e-06
747	44	0.01	-0.50	-0.03	2.38e-04	0.0	1.57e-06
747	68	6.64e-03	0.18	-0.03	-8.46e-05	0.0	-4.39e-06
747	80	8.03e-03	-0.21	-0.03	9.91e-05	0.0	0.0
747	88	7.33e-03	-0.33	-0.02	1.59e-04	0.0	0.0
747	98	6.33e-03	-0.01	-0.02	6.08e-06	0.0	-2.35e-06
747	105	6.14e-03	-0.08	-0.02	3.64e-05	0.0	-1.55e-06
747	107	6.02e-03	-0.01	-0.02	5.78e-06	0.0	-2.23e-06
747	112	2.78	-0.83	-0.02	3.77e-04	0.0	-2.29e-04
747	114	-2.22	2.33	-0.03	-1.07e-03	0.0	1.77e-04
747	129	1.55	-3.31	-0.02	1.52e-03	0.0	-1.38e-04
747	144	3.14	-0.93	-0.02	4.25e-04	0.0	-2.58e-04
747	146	-2.50	2.62	-0.03	-1.20e-03	0.0	1.99e-04
747	161	1.75	-3.73	-0.02	1.71e-03	0.0	-1.56e-04
747	176	3.14	-0.94	-0.02	4.30e-04	0.0	-2.57e-04
747	178	-2.50	2.59	-0.03	-1.19e-03	0.0	1.98e-04
747	193	1.77	-3.72	-0.02	1.71e-03	0.0	-1.58e-04
747	208	3.69	-1.11	-0.02	5.09e-04	0.0	-3.02e-04
747	210	-2.94	3.03	-0.03	-1.39e-03	0.0	2.32e-04
747	225	2.11	-4.36	-0.02	2.00e-03	0.0	-1.88e-04
748	4	-3.70e-04	0.07	-0.01	-1.30e-04	0.0	0.0
748	31	-4.91e-04	-0.08	-7.45e-03	1.46e-04	0.0	0.0
748	44	-4.18e-04	-0.13	-8.96e-03	2.39e-04	0.0	0.0
748	68	-2.23e-04	0.05	-7.41e-03	-8.61e-05	0.0	0.0
748	79	-3.01e-04	-0.05	-6.92e-03	9.85e-05	0.0	0.0
748	88	-2.54e-04	-0.08	-6.63e-03	1.60e-04	0.0	0.0
748	98	-1.03e-04	-2.77e-03	-6.61e-03	5.24e-06	0.0	0.0
748	99	1.20e-04	-1.80e-03	-5.67e-03	3.42e-06	0.0	0.0
748	105	-1.09e-04	-0.02	-6.42e-03	3.58e-05	0.0	0.0
748	106	1.08e-04	-1.75e-03	-5.58e-03	3.31e-06	0.0	0.0
748	107	-7.27e-05	-2.62e-03	-6.46e-03	4.96e-06	0.0	0.0
748	114	-0.54	0.57	-0.01	-1.07e-03	0.0	4.40e-05
748	115	-0.67	0.18	-9.11e-03	-3.35e-04	0.0	5.60e-05
748	129	0.38	-0.83	-4.66e-03	1.58e-03	0.0	-3.40e-05
748	146	-0.61	0.64	-0.01	-1.21e-03	0.0	4.96e-05
748	147	-0.76	0.20	-9.45e-03	-3.79e-04	0.0	6.32e-05
748	161	0.42	-0.94	-4.43e-03	1.78e-03	0.0	-3.84e-05
748	178	-0.61	0.63	-0.01	-1.19e-03	0.0	4.92e-05
748	179	-0.76	0.20	-9.44e-03	-3.83e-04	0.0	6.30e-05
748	193	0.43	-0.94	-4.41e-03	1.77e-03	0.0	-3.88e-05
748	210	-0.72	0.74	-0.01	-1.39e-03	0.0	5.76e-05
748	211	-0.89	0.24	-9.96e-03	-4.55e-04	0.0	7.41e-05
748	225	0.51	-1.10	-4.01e-03	2.08e-03	0.0	-4.62e-05
749	1	0.0	0.0	0.0	-1.34e-04	0.0	0.0
749	65	0.0	0.0	0.0	-8.91e-05	0.0	0.0
749	97	0.0	0.0	0.0	3.32e-06	0.0	0.0
749	106	0.0	0.0	0.0	3.32e-06	0.0	0.0
749	108	0.0	0.0	0.0	3.08e-04	0.0	-2.79e-06
749	140	0.0	0.0	0.0	3.46e-04	0.0	-3.14e-06
749	172	0.0	0.0	0.0	3.45e-04	0.0	-3.12e-06
749	204	0.0	0.0	0.0	4.05e-04	0.0	-3.66e-06
750	4	1.02e-03	0.14	-0.02	-1.30e-04	0.0	-2.00e-06
750	44	1.33e-03	-0.25	-0.02	2.39e-04	0.0	1.75e-06
750	59	1.58e-03	-8.65e-03	-0.02	8.09e-06	0.0	0.0
750	68	7.78e-04	0.09	-0.01	-8.62e-05	0.0	-1.36e-06
750	88	9.84e-04	-0.17	-0.01	1.59e-04	0.0	1.14e-06
750	95	1.15e-03	-6.07e-03	-0.01	5.69e-06	0.0	0.0
750	98	9.37e-04	-5.51e-03	-0.01	5.17e-06	0.0	0.0
750	101	9.68e-04	-5.33e-03	-0.01	5.00e-06	0.0	0.0
750	105	9.14e-04	-0.04	-0.01	3.57e-05	0.0	0.0
750	107	9.26e-04	-5.22e-03	-0.01	4.90e-06	0.0	0.0
750	112	1.37	-0.36	-6.89e-03	3.39e-04	0.0	-1.15e-04
750	114	-1.09	1.13	-0.02	-1.06e-03	0.0	8.92e-05

750	129	0.76	-1.66	-8.73e-03	1.56e-03	0.0	-6.90e-05
750	144	1.54	-0.41	-6.18e-03	3.82e-04	0.0	-1.29e-04
750	146	-1.23	1.27	-0.02	-1.19e-03	0.0	1.01e-04
750	161	0.86	-1.87	-8.24e-03	1.76e-03	0.0	-7.79e-05
750	176	1.54	-0.41	-6.20e-03	3.87e-04	0.0	-1.29e-04
750	178	-1.23	1.25	-0.02	-1.18e-03	0.0	9.98e-05
750	193	0.87	-1.86	-8.19e-03	1.75e-03	0.0	-7.88e-05
750	208	1.81	-0.49	-5.11e-03	4.58e-04	0.0	-1.51e-04
750	210	-1.45	1.47	-0.02	-1.38e-03	0.0	1.17e-04
750	225	1.04	-2.19	-7.36e-03	2.05e-03	0.0	-9.39e-05
751	4	5.00e-03	0.20	-0.03	-1.30e-04	0.0	-3.51e-06
751	28	6.22e-03	-0.23	-0.03	1.47e-04	0.0	0.0
751	44	5.70e-03	-0.38	-0.03	2.38e-04	0.0	2.14e-06
751	68	3.57e-03	0.14	-0.02	-8.62e-05	0.0	-2.39e-06
751	80	4.38e-03	-0.16	-0.02	9.85e-05	0.0	0.0
751	88	4.03e-03	-0.25	-0.02	1.59e-04	0.0	1.37e-06
751	98	3.53e-03	-8.19e-03	-0.02	5.09e-06	0.0	-1.06e-06
751	105	3.43e-03	-0.06	-0.02	3.56e-05	0.0	0.0
751	107	3.38e-03	-7.76e-03	-0.02	4.83e-06	0.0	-1.00e-06
751	112	2.08	-0.54	-9.82e-03	3.31e-04	0.0	-1.71e-04
751	114	-1.65	1.68	-0.03	-1.04e-03	0.0	1.33e-04
751	129	1.16	-2.47	-0.01	1.53e-03	0.0	-1.03e-04
751	144	2.34	-0.61	-8.73e-03	3.73e-04	0.0	-1.93e-04
751	146	-1.86	1.89	-0.03	-1.17e-03	0.0	1.50e-04
751	161	1.31	-2.78	-0.01	1.72e-03	0.0	-1.16e-04
751	176	2.34	-0.61	-8.76e-03	3.78e-04	0.0	-1.92e-04
751	178	-1.86	1.87	-0.03	-1.16e-03	0.0	1.49e-04
751	193	1.32	-2.78	-0.01	1.72e-03	0.0	-1.18e-04
751	208	2.75	-0.73	-7.07e-03	4.48e-04	0.0	-2.26e-04
751	210	-2.19	2.18	-0.03	-1.35e-03	0.0	1.74e-04
751	225	1.57	-3.26	-0.01	2.01e-03	0.0	-1.40e-04
752	4	0.01	0.27	-0.04	-1.30e-04	0.0	-5.56e-06
752	28	0.01	-0.31	-0.04	1.47e-04	0.0	0.0
752	44	0.01	-0.50	-0.03	2.38e-04	0.0	2.02e-06
752	68	8.26e-03	0.18	-0.03	-8.63e-05	0.0	-3.82e-06
752	80	9.59e-03	-0.21	-0.03	9.83e-05	0.0	0.0
752	88	8.65e-03	-0.33	-0.03	1.59e-04	0.0	1.24e-06
752	98	7.63e-03	-0.01	-0.03	5.04e-06	0.0	-1.94e-06
752	105	7.35e-03	-0.07	-0.02	3.55e-05	0.0	-1.19e-06
752	107	7.25e-03	-0.01	-0.02	4.78e-06	0.0	-1.85e-06
752	112	2.80	-0.71	-0.01	3.22e-04	0.0	-2.28e-04
752	114	-2.23	2.22	-0.04	-1.02e-03	0.0	1.77e-04
752	129	1.56	-3.27	-0.02	1.50e-03	0.0	-1.38e-04
752	144	3.15	-0.80	-0.01	3.64e-04	0.0	-2.57e-04
752	146	-2.51	2.50	-0.04	-1.15e-03	0.0	1.99e-04
752	161	1.76	-3.68	-0.02	1.68e-03	0.0	-1.55e-04
752	176	3.15	-0.81	-0.01	3.68e-04	0.0	-2.56e-04
752	178	-2.51	2.47	-0.04	-1.13e-03	0.0	1.98e-04
752	193	1.78	-3.67	-0.02	1.68e-03	0.0	-1.57e-04
752	208	3.71	-0.96	-9.15e-03	4.37e-04	0.0	-3.01e-04
752	210	-2.95	2.89	-0.05	-1.32e-03	0.0	2.32e-04
752	225	2.12	-4.30	-0.01	1.97e-03	0.0	-1.87e-04
753	4	-3.48e-05	0.07	-0.01	-1.31e-04	0.0	0.0
753	44	-9.94e-05	-0.13	-0.01	2.40e-04	0.0	1.21e-06
753	57	4.17e-04	-2.78e-03	-8.92e-03	5.14e-06	0.0	0.0
753	68	1.24e-05	0.05	-8.35e-03	-8.67e-05	0.0	0.0
753	88	-3.07e-05	-0.08	-7.40e-03	1.60e-04	0.0	0.0
753	93	3.14e-04	-2.01e-03	-6.64e-03	3.71e-06	0.0	0.0
753	98	9.80e-05	-2.73e-03	-7.35e-03	5.04e-06	0.0	0.0
753	99	2.52e-04	-1.78e-03	-6.17e-03	3.30e-06	0.0	0.0
753	105	8.43e-05	-0.02	-7.12e-03	3.58e-05	0.0	0.0
753	106	2.37e-04	-1.73e-03	-6.05e-03	3.20e-06	0.0	0.0
753	107	1.18e-04	-2.59e-03	-7.16e-03	4.78e-06	0.0	0.0
753	112	0.67	-0.15	3.41e-04	2.89e-04	0.0	-5.60e-05
753	114	-0.54	0.54	-0.02	-1.02e-03	0.0	4.38e-05
753	129	0.38	-0.83	-2.31e-03	1.56e-03	0.0	-3.37e-05
753	144	0.76	-0.17	1.29e-03	3.26e-04	0.0	-6.31e-05
753	146	-0.61	0.61	-0.02	-1.15e-03	0.0	4.93e-05
753	161	0.42	-0.93	-1.68e-03	1.76e-03	0.0	-3.81e-05
753	176	0.76	-0.18	1.26e-03	3.31e-04	0.0	-6.29e-05
753	178	-0.61	0.60	-0.02	-1.14e-03	0.0	4.90e-05
753	193	0.43	-0.93	-1.63e-03	1.75e-03	0.0	-3.84e-05
753	208	0.89	-0.21	2.73e-03	3.93e-04	0.0	-7.39e-05
753	210	-0.71	0.70	-0.02	-1.33e-03	0.0	5.74e-05
753	225	0.51	-1.08	-5.70e-04	2.05e-03	0.0	-4.59e-05

754	1	0.0	0.0	0.0	-1.35e-04	0.0	0.0
754	65	0.0	0.0	0.0	-8.96e-05	0.0	0.0
754	97	0.0	0.0	0.0	3.26e-06	0.0	0.0
754	106	0.0	0.0	0.0	3.26e-06	0.0	0.0
754	108	0.0	0.0	0.0	2.55e-04	0.0	-2.76e-06
754	140	0.0	0.0	0.0	2.87e-04	0.0	-3.11e-06
754	172	0.0	0.0	0.0	2.86e-04	0.0	-3.09e-06
754	204	0.0	0.0	0.0	3.36e-04	0.0	-3.62e-06
755	4	1.46e-03	0.14	-0.02	-1.31e-04	0.0	-1.39e-06
755	44	1.72e-03	-0.25	-0.02	2.39e-04	0.0	2.22e-06
755	59	1.98e-03	-8.39e-03	-0.02	7.42e-06	0.0	0.0
755	68	1.08e-03	0.09	-0.02	-8.71e-05	0.0	0.0
755	88	1.26e-03	-0.17	-0.01	1.60e-04	0.0	1.47e-06
755	95	1.43e-03	-5.89e-03	-0.02	5.22e-06	0.0	0.0
755	98	1.19e-03	-5.35e-03	-0.01	4.75e-06	0.0	0.0
755	101	1.21e-03	-5.18e-03	-0.01	4.59e-06	0.0	0.0
755	105	1.15e-03	-0.04	-0.01	3.55e-05	0.0	0.0
755	107	1.17e-03	-5.07e-03	-0.01	4.50e-06	0.0	0.0
755	112	1.37	-0.30	-2.14e-04	2.84e-04	0.0	-1.13e-04
755	114	-1.09	1.07	-0.03	-1.01e-03	0.0	8.87e-05
755	129	0.76	-1.64	-5.05e-03	1.54e-03	0.0	-6.84e-05
755	144	1.54	-0.34	1.52e-03	3.20e-04	0.0	-1.28e-04
755	146	-1.23	1.21	-0.03	-1.13e-03	0.0	9.99e-05
755	161	0.86	-1.85	-3.91e-03	1.73e-03	0.0	-7.72e-05
755	176	1.54	-0.35	1.45e-03	3.25e-04	0.0	-1.28e-04
755	178	-1.23	1.19	-0.03	-1.12e-03	0.0	9.92e-05
755	193	0.87	-1.84	-3.83e-03	1.73e-03	0.0	-7.80e-05
755	208	1.81	-0.41	4.11e-03	3.86e-04	0.0	-1.50e-04
755	210	-1.44	1.39	-0.04	-1.31e-03	0.0	1.16e-04
755	225	1.03	-2.16	-1.91e-03	2.02e-03	0.0	-9.30e-05
756	4	5.69e-03	0.21	-0.03	-1.32e-04	0.0	-2.58e-06
756	28	6.89e-03	-0.23	-0.03	1.47e-04	0.0	1.26e-06
756	44	6.27e-03	-0.38	-0.03	2.39e-04	0.0	2.86e-06
756	68	4.05e-03	0.14	-0.02	-8.75e-05	0.0	-1.75e-06
756	80	4.85e-03	-0.16	-0.02	9.80e-05	0.0	0.0
756	88	4.44e-03	-0.25	-0.02	1.59e-04	0.0	1.88e-06
756	98	3.92e-03	-7.75e-03	-0.02	4.31e-06	0.0	0.0
756	105	3.80e-03	-0.06	-0.02	3.50e-05	0.0	0.0
756	107	3.75e-03	-7.34e-03	-0.02	4.09e-06	0.0	0.0
756	112	2.08	-0.45	-1.47e-03	2.76e-04	0.0	-1.69e-04
756	114	-1.65	1.60	-0.05	-9.89e-04	0.0	1.32e-04
756	129	1.16	-2.44	-8.23e-03	1.51e-03	0.0	-1.02e-04
756	144	2.34	-0.51	9.50e-04	3.12e-04	0.0	-1.91e-04
756	146	-1.86	1.80	-0.05	-1.11e-03	0.0	1.49e-04
756	161	1.31	-2.75	-6.64e-03	1.70e-03	0.0	-1.15e-04
756	176	2.34	-0.52	8.38e-04	3.16e-04	0.0	-1.90e-04
756	178	-1.86	1.78	-0.05	-1.10e-03	0.0	1.48e-04
756	193	1.32	-2.74	-6.54e-03	1.69e-03	0.0	-1.16e-04
756	208	2.75	-0.61	4.54e-03	3.76e-04	0.0	-2.24e-04
756	210	-2.19	2.08	-0.06	-1.29e-03	0.0	1.73e-04
756	225	1.57	-3.21	-3.87e-03	1.99e-03	0.0	-1.39e-04
757	4	0.01	0.28	-0.05	-1.32e-04	0.0	-4.53e-06
757	28	0.02	-0.31	-0.04	1.46e-04	0.0	0.0
757	44	0.01	-0.50	-0.04	2.38e-04	0.0	2.82e-06
757	68	0.01	0.18	-0.03	-8.80e-05	0.0	-3.10e-06
757	80	0.01	-0.21	-0.03	9.74e-05	0.0	0.0
757	88	0.01	-0.34	-0.03	1.59e-04	0.0	1.80e-06
757	98	9.34e-03	-9.87e-03	-0.03	3.86e-06	0.0	-1.38e-06
757	105	8.96e-03	-0.07	-0.03	3.46e-05	0.0	0.0
757	107	8.86e-03	-9.36e-03	-0.03	3.67e-06	0.0	-1.31e-06
757	112	2.82	-0.59	-4.20e-03	2.68e-04	0.0	-2.26e-04
757	114	-2.24	2.11	-0.06	-9.68e-04	0.0	1.75e-04
757	129	1.57	-3.23	-0.01	1.48e-03	0.0	-1.36e-04
757	144	3.17	-0.67	-1.20e-03	3.02e-04	0.0	-2.55e-04
757	146	-2.52	2.38	-0.06	-1.09e-03	0.0	1.98e-04
757	161	1.77	-3.63	-0.01	1.66e-03	0.0	-1.54e-04
757	176	3.17	-0.68	-1.36e-03	3.07e-04	0.0	-2.54e-04
757	178	-2.52	2.35	-0.06	-1.08e-03	0.0	1.96e-04
757	193	1.80	-3.62	-0.01	1.66e-03	0.0	-1.56e-04
757	208	3.73	-0.81	3.21e-03	3.65e-04	0.0	-2.98e-04
757	210	-2.97	2.74	-0.07	-1.26e-03	0.0	2.30e-04
757	225	2.14	-4.24	-7.21e-03	1.94e-03	0.0	-1.85e-04
758	4	2.10e-04	0.07	-0.01	-1.31e-04	0.0	0.0
758	44	1.27e-04	-0.13	-0.01	2.41e-04	0.0	1.32e-06
758	57	5.70e-04	-2.82e-03	-0.01	5.12e-06	0.0	0.0

758	68	1.85e-04	0.05	-0.01	-8.71e-05	0.0	0.0
758	88	1.29e-04	-0.08	-8.99e-03	1.61e-04	0.0	0.0
758	93	4.24e-04	-2.03e-03	-7.83e-03	3.69e-06	0.0	0.0
758	98	2.44e-04	-2.76e-03	-8.90e-03	5.01e-06	0.0	0.0
758	99	3.50e-04	-1.81e-03	-7.19e-03	3.29e-06	0.0	0.0
758	105	2.25e-04	-0.02	-8.57e-03	3.59e-05	0.0	0.0
758	106	3.32e-04	-1.75e-03	-7.03e-03	3.18e-06	0.0	0.0
758	107	2.57e-04	-2.61e-03	-8.63e-03	4.75e-06	0.0	0.0
758	112	0.67	-0.12	-2.65e-03	2.34e-04	0.0	-5.57e-05
758	114	-0.54	0.51	-0.02	-9.69e-04	0.0	4.37e-05
758	129	0.37	-0.82	-4.69e-03	1.54e-03	0.0	-3.36e-05
758	144	0.76	-0.14	-1.90e-03	2.64e-04	0.0	-6.28e-05
758	146	-0.61	0.58	-0.02	-1.09e-03	0.0	4.92e-05
758	161	0.42	-0.92	-4.20e-03	1.74e-03	0.0	-3.79e-05
758	176	0.76	-0.14	-2.08e-03	2.68e-04	0.0	-6.27e-05
758	178	-0.61	0.57	-0.02	-1.08e-03	0.0	4.88e-05
758	193	0.43	-0.91	-4.36e-03	1.73e-03	0.0	-3.83e-05
758	208	0.89	-0.17	-1.01e-03	3.19e-04	0.0	-7.37e-05
758	210	-0.71	0.67	-0.02	-1.26e-03	0.0	5.72e-05
758	225	0.51	-1.07	-3.63e-03	2.03e-03	0.0	-4.57e-05
759	1	0.0	0.0	0.0	-1.35e-04	0.0	0.0
759	65	0.0	0.0	0.0	-8.99e-05	0.0	0.0
759	97	0.0	0.0	0.0	3.28e-06	0.0	0.0
759	106	0.0	0.0	0.0	3.28e-06	0.0	0.0
759	108	0.0	0.0	0.0	2.01e-04	0.0	-2.70e-06
759	140	0.0	0.0	0.0	2.26e-04	0.0	-3.04e-06
759	172	0.0	0.0	0.0	2.26e-04	0.0	-3.03e-06
759	204	0.0	0.0	0.0	2.66e-04	0.0	-3.55e-06
760	4	1.79e-03	0.14	-0.03	-1.32e-04	0.0	-1.03e-06
760	44	2.01e-03	-0.25	-0.02	2.40e-04	0.0	2.52e-06
760	59	2.28e-03	-8.41e-03	-0.03	7.09e-06	0.0	0.0
760	68	1.31e-03	0.09	-0.02	-8.77e-05	0.0	0.0
760	88	1.46e-03	-0.17	-0.02	1.60e-04	0.0	1.68e-06
760	95	1.64e-03	-5.91e-03	-0.02	4.98e-06	0.0	0.0
760	98	1.38e-03	-5.36e-03	-0.02	4.53e-06	0.0	0.0
760	101	1.40e-03	-5.19e-03	-0.02	4.39e-06	0.0	0.0
760	105	1.34e-03	-0.04	-0.02	3.54e-05	0.0	0.0
760	107	1.35e-03	-5.08e-03	-0.02	4.30e-06	0.0	0.0
760	112	1.37	-0.25	5.63e-04	2.28e-04	0.0	-1.13e-04
760	114	-1.09	1.02	-0.04	-9.57e-04	0.0	8.83e-05
760	129	0.76	-1.62	-5.60e-03	1.52e-03	0.0	-6.79e-05
760	144	1.54	-0.28	2.77e-03	2.58e-04	0.0	-1.27e-04
760	146	-1.23	1.15	-0.04	-1.08e-03	0.0	9.94e-05
760	161	0.86	-1.83	-4.18e-03	1.72e-03	0.0	-7.67e-05
760	176	1.54	-0.28	2.48e-03	2.62e-04	0.0	-1.27e-04
760	178	-1.23	1.13	-0.04	-1.06e-03	0.0	9.87e-05
760	193	0.87	-1.82	-4.32e-03	1.71e-03	0.0	-7.75e-05
760	208	1.81	-0.34	5.74e-03	3.13e-04	0.0	-1.49e-04
760	210	-1.44	1.32	-0.05	-1.24e-03	0.0	1.16e-04
760	225	1.04	-2.13	-2.05e-03	2.00e-03	0.0	-9.24e-05
761	4	6.38e-03	0.21	-0.04	-1.33e-04	0.0	-1.80e-06
761	28	7.56e-03	-0.23	-0.04	1.46e-04	0.0	2.04e-06
761	44	6.84e-03	-0.38	-0.04	2.39e-04	0.0	3.54e-06
761	68	4.53e-03	0.14	-0.03	-8.87e-05	0.0	-1.21e-06
761	80	5.32e-03	-0.16	-0.03	9.77e-05	0.0	1.35e-06
761	88	4.84e-03	-0.25	-0.03	1.59e-04	0.0	2.35e-06
761	98	4.31e-03	-7.63e-03	-0.03	3.67e-06	0.0	0.0
761	105	4.17e-03	-0.06	-0.02	3.46e-05	0.0	0.0
761	107	4.12e-03	-7.23e-03	-0.03	3.47e-06	0.0	0.0
761	112	2.07	-0.37	7.03e-03	2.21e-04	0.0	-1.68e-04
761	114	-1.65	1.52	-0.07	-9.38e-04	0.0	1.31e-04
761	129	1.16	-2.42	-4.32e-03	1.49e-03	0.0	8.95e-06
761	144	2.34	-0.41	0.01	2.49e-04	0.0	-1.89e-04
761	146	-1.86	1.71	-0.08	-1.06e-03	0.0	1.47e-04
761	161	1.30	-2.72	-1.66e-03	1.68e-03	0.0	1.00e-05
761	176	2.34	-0.42	0.01	2.54e-04	0.0	-1.89e-04
761	178	-1.86	1.69	-0.07	-1.04e-03	0.0	1.46e-04
761	193	1.32	-2.71	-1.72e-03	1.67e-03	0.0	8.34e-06
761	208	2.75	-0.50	0.02	3.03e-04	0.0	-2.22e-04
761	210	-2.19	1.97	-0.08	-1.22e-03	0.0	1.71e-04
761	225	1.57	-3.17	2.61e-03	1.96e-03	0.0	8.54e-06
762	4	0.02	0.28	-0.06	-1.35e-04	0.0	-3.00e-06
762	28	0.02	-0.31	-0.06	1.44e-04	0.0	2.09e-06
762	44	0.02	-0.50	-0.05	2.37e-04	0.0	4.15e-06
762	68	0.01	0.18	-0.04	-9.00e-05	0.0	-2.04e-06

762	80	0.01	-0.21	-0.04	9.63e-05	0.0	1.36e-06
762	88	0.01	-0.34	-0.04	1.58e-04	0.0	2.73e-06
762	98	0.01	-9.28e-03	-0.04	2.54e-06	0.0	0.0
762	105	0.01	-0.07	-0.03	3.35e-05	0.0	0.0
762	107	0.01	-8.80e-03	-0.03	2.40e-06	0.0	0.0
762	112	2.84	-0.48	0.02	2.12e-04	0.0	-2.23e-04
762	114	-2.26	2.01	-0.10	-9.16e-04	0.0	1.73e-04
762	129	1.59	-3.19	-1.76e-03	1.45e-03	0.0	1.12e-05
762	144	3.20	-0.54	0.02	2.39e-04	0.0	-2.51e-04
762	146	-2.54	2.26	-0.11	-1.03e-03	0.0	1.95e-04
762	161	1.79	-3.59	2.48e-03	1.64e-03	0.0	1.26e-05
762	176	3.20	-0.55	0.02	2.44e-04	0.0	-2.50e-04
762	178	-2.54	2.23	-0.11	-1.02e-03	0.0	1.94e-04
762	193	1.82	-3.58	2.57e-03	1.63e-03	0.0	1.04e-05
762	208	3.77	-0.66	0.03	2.91e-04	0.0	-2.94e-04
762	210	-2.99	2.61	-0.12	-1.19e-03	0.0	2.27e-04
762	225	2.16	-4.19	9.54e-03	1.91e-03	0.0	1.06e-05
763	4	3.33e-04	0.07	-0.02	-1.32e-04	0.0	0.0
763	44	2.36e-04	-0.13	-0.02	2.42e-04	0.0	1.33e-06
763	57	6.46e-04	-2.87e-03	-0.01	5.17e-06	0.0	0.0
763	68	2.71e-04	0.05	-0.01	-8.74e-05	0.0	0.0
763	88	2.06e-04	-0.09	-0.01	1.62e-04	0.0	0.0
763	93	4.80e-04	-2.07e-03	-0.01	3.73e-06	0.0	0.0
763	98	3.17e-04	-2.80e-03	-0.01	5.05e-06	0.0	0.0
763	99	4.00e-04	-1.84e-03	-9.67e-03	3.31e-06	0.0	0.0
763	105	2.94e-04	-0.02	-0.01	3.61e-05	0.0	0.0
763	106	3.80e-04	-1.78e-03	-9.43e-03	3.21e-06	0.0	0.0
763	107	3.26e-04	-2.65e-03	-0.01	4.79e-06	0.0	0.0
763	112	0.67	-0.10	0.08	1.83e-04	0.0	-5.57e-05
763	114	-0.54	0.49	-0.13	-9.22e-04	0.0	4.37e-05
763	129	0.37	-0.81	0.05	1.53e-03	0.0	-3.36e-05
763	144	0.76	-0.11	0.09	2.06e-04	0.0	-6.28e-05
763	146	-0.60	0.55	-0.14	-1.04e-03	0.0	4.92e-05
763	161	0.42	-0.91	0.06	1.72e-03	0.0	-3.79e-05
763	176	0.76	-0.11	0.09	2.11e-04	0.0	-6.27e-05
763	178	-0.60	0.54	-0.14	-1.03e-03	0.0	4.88e-05
763	193	0.43	-0.90	0.06	1.71e-03	0.0	-3.83e-05
763	208	0.89	-0.13	0.11	2.52e-04	0.0	-7.37e-05
763	210	-0.71	0.63	-0.17	-1.20e-03	0.0	5.72e-05
763	225	0.51	-1.06	0.07	2.00e-03	0.0	-4.57e-05
764	1	0.0	0.0	0.0	-1.36e-04	0.0	0.0
764	65	0.0	0.0	0.0	-9.02e-05	0.0	0.0
764	97	0.0	0.0	0.0	3.32e-06	0.0	0.0
764	106	0.0	0.0	0.0	3.32e-06	0.0	0.0
764	108	0.0	0.0	0.0	1.52e-04	0.0	-2.65e-06
764	140	0.0	0.0	0.0	1.71e-04	0.0	-2.99e-06
764	172	0.0	0.0	0.0	1.71e-04	0.0	-2.97e-06
764	204	0.0	0.0	0.0	2.02e-04	0.0	-3.49e-06
765	4	2.09e-03	0.14	-0.04	-1.32e-04	0.0	0.0
765	44	2.26e-03	-0.25	-0.04	2.41e-04	0.0	2.57e-06
765	59	2.55e-03	-8.51e-03	-0.04	7.06e-06	0.0	0.0
765	68	1.52e-03	0.09	-0.03	-8.81e-05	0.0	0.0
765	88	1.64e-03	-0.17	-0.03	1.61e-04	0.0	1.72e-06
765	95	1.83e-03	-5.98e-03	-0.03	4.96e-06	0.0	0.0
765	98	1.56e-03	-5.42e-03	-0.03	4.51e-06	0.0	0.0
765	101	1.57e-03	-5.25e-03	-0.02	4.36e-06	0.0	0.0
765	105	1.50e-03	-0.04	-0.02	3.56e-05	0.0	0.0
765	107	1.51e-03	-5.14e-03	-0.02	4.27e-06	0.0	0.0
765	112	1.37	-0.19	0.13	1.78e-04	0.0	-1.13e-04
765	114	-1.09	0.97	-0.22	-9.11e-04	0.0	8.81e-05
765	129	0.76	-1.61	0.08	1.51e-03	0.0	-6.78e-05
765	144	1.54	-0.21	0.15	2.01e-04	0.0	-1.27e-04
765	146	-1.23	1.09	-0.25	-1.03e-03	0.0	9.92e-05
765	161	0.86	-1.81	0.09	1.70e-03	0.0	-7.66e-05
765	176	1.54	-0.22	0.15	2.06e-04	0.0	-1.27e-04
765	178	-1.23	1.08	-0.25	-1.01e-03	0.0	9.85e-05
765	193	0.87	-1.80	0.10	1.69e-03	0.0	-7.74e-05
765	208	1.81	-0.26	0.18	2.46e-04	0.0	-1.49e-04
765	210	-1.45	1.26	-0.28	-1.18e-03	0.0	1.15e-04
765	225	1.04	-2.11	0.12	1.98e-03	0.0	-9.23e-05
766	4	7.71e-03	0.21	-0.07	-1.34e-04	0.0	-1.54e-06
766	28	8.86e-03	-0.24	-0.06	1.47e-04	0.0	2.30e-06
766	44	7.94e-03	-0.38	-0.06	2.40e-04	0.0	3.77e-06
766	68	5.46e-03	0.14	-0.05	-8.93e-05	0.0	-1.03e-06
766	80	6.22e-03	-0.16	-0.05	9.80e-05	0.0	1.53e-06

766	88	5.61e-03	-0.25	-0.04	1.60e-04	0.0	2.51e-06
766	98	5.07e-03	-7.71e-03	-0.04	3.45e-06	0.0	0.0
766	105	4.88e-03	-0.06	-0.04	3.45e-05	0.0	0.0
766	107	4.83e-03	-7.30e-03	-0.04	3.27e-06	0.0	0.0
766	112	2.07	-0.28	0.15	1.71e-04	0.0	-1.67e-04
766	114	-1.65	1.44	-0.28	-8.93e-04	0.0	1.30e-04
766	129	1.15	-2.39	0.09	1.48e-03	0.0	9.19e-06
766	144	2.33	-0.32	0.17	1.93e-04	0.0	-1.88e-04
766	146	-1.85	1.62	-0.31	-1.01e-03	0.0	1.47e-04
766	161	1.30	-2.69	0.11	1.66e-03	0.0	1.02e-05
766	176	2.33	-0.32	0.17	1.98e-04	0.0	-1.88e-04
766	178	-1.85	1.60	-0.31	-9.93e-04	0.0	1.46e-04
766	193	1.32	-2.68	0.11	1.65e-03	0.0	8.55e-06
766	208	2.74	-0.39	0.21	2.37e-04	0.0	-2.21e-04
766	210	-2.18	1.87	-0.36	-1.16e-03	0.0	1.71e-04
766	225	1.57	-3.14	0.13	1.94e-03	0.0	8.76e-06
767	4	0.03	0.28	-0.10	-1.38e-04	0.0	-1.04e-06
767	28	0.03	-0.31	-0.10	1.43e-04	0.0	4.13e-06
767	44	0.03	-0.51	-0.08	2.36e-04	0.0	5.95e-06
767	68	0.02	0.18	-0.07	-9.19e-05	0.0	0.0
767	80	0.02	-0.21	-0.07	9.51e-05	0.0	2.78e-06
767	88	0.02	-0.34	-0.06	1.57e-04	0.0	4.00e-06
767	98	0.02	-9.69e-03	-0.06	1.16e-06	0.0	0.0
767	105	0.02	-0.07	-0.06	3.23e-05	0.0	1.26e-06
767	107	0.02	-9.18e-03	-0.06	1.10e-06	0.0	0.0
767	112	2.88	-0.37	0.14	1.60e-04	0.0	-2.20e-04
767	114	-2.28	1.90	-0.31	-8.68e-04	0.0	1.72e-04
767	129	1.61	-3.16	0.07	1.43e-03	0.0	1.28e-05
767	144	3.25	-0.41	0.16	1.81e-04	0.0	-2.48e-04
767	146	-2.57	2.14	-0.34	-9.78e-04	0.0	1.94e-04
767	161	1.82	-3.56	0.09	1.61e-03	0.0	1.42e-05
767	176	3.25	-0.42	0.16	1.86e-04	0.0	-2.47e-04
767	178	-2.57	2.12	-0.34	-9.66e-04	0.0	1.92e-04
767	193	1.84	-3.54	0.09	1.61e-03	0.0	1.18e-05
767	208	3.81	-0.51	0.20	2.23e-04	0.0	-2.91e-04
767	210	-3.02	2.47	-0.39	-1.13e-03	0.0	2.25e-04
767	225	2.19	-4.14	0.12	1.88e-03	0.0	1.21e-05
768	4	-1.16e-04	0.29	-0.18	-1.25e-04	0.0	-1.43e-05
768	44	4.13e-03	-0.60	-0.14	2.31e-04	0.0	0.0
768	68	2.71e-05	0.19	-0.12	-8.30e-05	0.0	-9.97e-06
768	88	2.86e-03	-0.40	-0.10	1.54e-04	0.0	0.0
768	98	1.37e-03	-0.03	-0.10	5.53e-06	0.0	-5.77e-06
768	105	1.59e-03	-0.10	-0.09	3.48e-05	0.0	-4.33e-06
768	107	1.32e-03	-0.03	-0.10	5.16e-06	0.0	-5.54e-06
768	112	3.28	-1.80	-0.22	7.08e-04	0.0	-2.58e-04
768	124	-0.18	2.55	-0.25	-1.00e-03	0.0	-1.61e-04
768	129	1.82	-4.23	3.15e-03	1.65e-03	0.0	1.37e-05
768	144	3.69	-2.03	-0.24	7.98e-04	0.0	-2.90e-04
768	156	-0.20	2.88	-0.27	-1.13e-03	0.0	-1.80e-04
768	161	2.06	-4.77	0.02	1.86e-03	0.0	1.58e-05
768	176	3.69	-2.04	-0.23	8.02e-04	0.0	-2.89e-04
768	188	-0.20	2.87	-0.27	-1.13e-03	0.0	-1.79e-04
768	193	2.08	-4.78	0.02	1.87e-03	0.0	1.21e-05
768	208	4.34	-2.41	-0.25	9.47e-04	0.0	-3.39e-04
768	220	-0.24	3.37	-0.30	-1.32e-03	0.0	-2.09e-04
768	225	2.48	-5.63	0.03	2.20e-03	0.0	1.25e-05
769	4	1.57e-03	0.34	-0.23	-1.27e-04	0.0	-1.07e-05
769	44	6.01e-03	-0.70	-0.18	2.30e-04	0.0	5.18e-06
769	68	1.20e-03	0.23	-0.16	-8.46e-05	0.0	-7.35e-06
769	88	4.16e-03	-0.47	-0.13	1.54e-04	0.0	3.22e-06
769	98	2.50e-03	-0.03	-0.13	4.36e-06	0.0	-3.29e-06
769	105	2.68e-03	-0.12	-0.12	3.38e-05	0.0	-1.83e-06
769	107	2.38e-03	-0.03	-0.13	4.01e-06	0.0	-3.17e-06
769	112	3.79	-2.11	-0.27	7.05e-04	0.0	-3.13e-04
769	124	-0.21	2.99	-0.31	-9.99e-04	0.0	-1.88e-04
769	129	2.11	-4.95	-0.01	1.65e-03	0.0	1.36e-05
769	144	4.27	-2.38	-0.29	7.94e-04	0.0	-3.52e-04
769	156	-0.23	3.37	-0.33	-1.13e-03	0.0	-2.11e-04
769	161	2.38	-5.57	-3.02e-04	1.86e-03	0.0	1.55e-05
769	176	4.27	-2.39	-0.29	7.99e-04	0.0	-3.52e-04
769	188	-0.24	3.36	-0.32	-1.12e-03	0.0	-2.10e-04
769	193	2.41	-5.59	-8.87e-04	1.86e-03	0.0	1.21e-05
769	208	5.02	-2.82	-0.31	9.44e-04	0.0	-4.13e-04
769	220	-0.28	3.94	-0.36	-1.32e-03	0.0	-2.47e-04
769	225	2.87	-6.58	0.02	2.20e-03	0.0	1.22e-05

770	4	0.02	0.40	-0.33	3.69e-05	0.0	-1.06e-05
770	28	0.02	-0.51	-0.31	1.87e-04	0.0	0.0
770	44	0.02	-0.80	-0.26	2.22e-04	0.0	4.48e-06
770	68	0.01	0.27	-0.23	2.88e-05	0.0	-7.20e-06
770	80	0.01	-0.34	-0.22	1.29e-04	0.0	0.0
770	88	0.01	-0.53	-0.18	1.53e-04	0.0	2.87e-06
770	98	0.01	-0.03	-0.19	6.68e-05	0.0	-3.24e-06
770	105	9.63e-03	-0.13	-0.18	8.00e-05	0.0	-1.75e-06
770	107	9.50e-03	-0.03	-0.18	6.37e-05	0.0	-3.03e-06
770	112	4.30	-2.41	-0.35	-8.88e-04	0.0	-3.86e-04
770	124	-0.23	3.42	-0.38	-1.49e-03	0.0	1.58e-05
770	129	2.39	-5.66	-0.05	1.62e-03	0.0	-2.31e-04
770	144	4.84	-2.72	-0.37	-1.01e-03	0.0	-4.35e-04
770	156	-0.26	3.85	-0.41	-1.68e-03	0.0	1.86e-05
770	161	2.70	-6.37	-0.04	1.81e-03	0.0	-2.60e-04
770	176	4.84	-2.73	-0.36	-9.66e-04	0.0	-4.35e-04
770	188	-0.26	3.85	-0.40	-1.66e-03	0.0	1.95e-05
770	193	2.74	-6.39	-0.04	1.80e-03	0.0	-2.65e-04
770	208	5.69	-3.22	-0.39	-1.12e-03	0.0	-5.11e-04
770	220	-0.31	4.51	-0.44	-1.94e-03	0.0	2.50e-05
770	225	3.25	-7.53	-0.01	2.09e-03	0.0	-3.16e-04
771	4	1.31e-03	0.30	-0.12	-1.23e-04	0.0	-1.28e-05
771	44	5.12e-03	-0.60	-0.10	2.34e-04	0.0	1.30e-06
771	68	1.02e-03	0.20	-0.09	-8.15e-05	0.0	-8.87e-06
771	88	3.56e-03	-0.40	-0.07	1.56e-04	0.0	0.0
771	98	2.13e-03	-0.03	-0.07	7.05e-06	0.0	-4.97e-06
771	105	2.29e-03	-0.10	-0.07	3.64e-05	0.0	-3.61e-06
771	107	2.05e-03	-0.02	-0.07	6.64e-06	0.0	-4.76e-06
771	112	3.28	-1.67	-0.13	6.46e-04	0.0	-2.61e-04
771	124	-0.18	2.60	-0.15	-1.00e-03	0.0	-1.60e-04
771	129	1.82	-4.20	-9.73e-03	1.62e-03	0.0	1.15e-05
771	144	3.69	-1.88	-0.14	7.28e-04	0.0	-2.94e-04
771	156	-0.20	2.93	-0.17	-1.13e-03	0.0	-1.79e-04
771	161	2.06	-4.73	-2.48e-03	1.82e-03	0.0	1.33e-05
771	176	3.69	-1.89	-0.14	7.32e-04	0.0	-2.94e-04
771	188	-0.20	2.92	-0.16	-1.13e-03	0.0	-1.78e-04
771	193	2.09	-4.74	-2.56e-03	1.83e-03	0.0	1.00e-05
771	208	4.34	-2.23	-0.15	8.64e-04	0.0	-3.45e-04
771	220	-0.24	3.42	-0.18	-1.32e-03	0.0	-2.09e-04
771	225	2.48	-5.57	8.11e-03	2.15e-03	0.0	1.02e-05
772	4	3.22e-03	0.35	-0.16	-1.24e-04	0.0	-1.09e-05
772	44	7.10e-03	-0.70	-0.13	2.33e-04	0.0	3.99e-06
772	68	2.35e-03	0.23	-0.11	-8.24e-05	0.0	-7.51e-06
772	88	4.93e-03	-0.47	-0.09	1.56e-04	0.0	2.45e-06
772	98	3.37e-03	-0.03	-0.09	6.35e-06	0.0	-3.60e-06
772	105	3.48e-03	-0.11	-0.09	3.58e-05	0.0	-2.18e-06
772	107	3.21e-03	-0.03	-0.09	5.95e-06	0.0	-3.43e-06
772	112	3.79	-1.95	-0.16	6.41e-04	0.0	-3.17e-04
772	124	-0.21	3.03	-0.19	-9.93e-04	0.0	-1.89e-04
772	129	2.11	-4.89	-0.02	1.60e-03	0.0	1.18e-05
772	144	4.27	-2.20	-0.17	7.22e-04	0.0	-3.57e-04
772	156	-0.23	3.42	-0.20	-1.12e-03	0.0	-2.13e-04
772	161	2.38	-5.51	-0.01	1.81e-03	0.0	1.35e-05
772	176	4.27	-2.21	-0.17	7.27e-04	0.0	-3.56e-04
772	188	-0.24	3.41	-0.20	-1.12e-03	0.0	-2.12e-04
772	193	2.41	-5.52	-0.01	1.81e-03	0.0	1.05e-05
772	208	5.02	-2.61	-0.18	8.58e-04	0.0	-4.19e-04
772	220	-0.28	3.99	-0.22	-1.31e-03	0.0	-2.49e-04
772	225	2.87	-6.50	-6.88e-04	2.13e-03	0.0	1.06e-05
773	4	0.01	0.40	-0.24	-3.95e-06	0.0	-9.95e-06
773	28	0.02	-0.51	-0.21	1.69e-04	0.0	0.0
773	44	0.01	-0.80	-0.18	2.15e-04	0.0	5.44e-06
773	68	9.80e-03	0.27	-0.17	0.0	0.0	-6.73e-06
773	80	0.01	-0.34	-0.15	1.16e-04	0.0	0.0
773	88	0.01	-0.54	-0.13	1.47e-04	0.0	3.54e-06
773	98	9.28e-03	-0.03	-0.13	4.97e-05	0.0	-2.79e-06
773	105	8.94e-03	-0.13	-0.13	6.63e-05	0.0	-1.29e-06
773	107	8.80e-03	-0.03	-0.13	4.76e-05	0.0	-2.60e-06
773	112	4.29	-2.23	-0.21	-6.67e-04	0.0	-3.75e-04
773	124	-0.23	3.46	-0.24	-1.12e-03	0.0	1.64e-05
773	129	2.39	-5.58	-0.05	1.22e-03	0.0	-2.24e-04
773	144	4.84	-2.51	-0.22	-7.57e-04	0.0	-4.22e-04
773	156	-0.26	3.90	-0.26	-1.27e-03	0.0	1.91e-05
773	161	2.70	-6.29	-0.04	1.37e-03	0.0	-2.53e-04
773	176	4.84	-2.52	-0.22	-7.30e-04	0.0	-4.22e-04

773	188	-0.26	3.89	-0.25	-1.25e-03	0.0	2.00e-05
773	193	2.74	-6.30	-0.04	1.35e-03	0.0	-2.57e-04
773	208	5.69	-2.98	-0.23	-8.51e-04	0.0	-4.95e-04
773	220	-0.31	4.55	-0.27	-1.47e-03	0.0	2.55e-05
773	225	3.25	-7.42	-0.03	1.58e-03	0.0	-3.07e-04
774	4	2.86e-03	0.30	-0.09	-1.22e-04	0.0	-1.13e-05
774	44	6.21e-03	-0.60	-0.07	2.37e-04	0.0	1.63e-06
774	68	2.09e-03	0.20	-0.06	-8.10e-05	0.0	-7.81e-06
774	88	4.33e-03	-0.40	-0.05	1.58e-04	0.0	0.0
774	98	2.96e-03	-0.02	-0.05	7.86e-06	0.0	-4.28e-06
774	105	3.06e-03	-0.10	-0.05	3.74e-05	0.0	-3.01e-06
774	107	2.83e-03	-0.02	-0.05	7.43e-06	0.0	-4.07e-06
774	112	3.28	-1.54	-0.09	5.88e-04	0.0	-2.66e-04
774	124	-0.18	2.64	-0.10	-1.01e-03	0.0	-1.60e-04
774	129	1.82	-4.16	-0.02	1.59e-03	0.0	9.88e-06
774	144	3.70	-1.73	-0.09	6.62e-04	0.0	-2.99e-04
774	156	-0.20	2.98	-0.11	-1.13e-03	0.0	-1.80e-04
774	161	2.06	-4.68	-0.01	1.79e-03	0.0	1.14e-05
774	176	3.70	-1.74	-0.09	6.67e-04	0.0	-2.99e-04
774	188	-0.20	2.96	-0.10	-1.13e-03	0.0	-1.79e-04
774	193	2.09	-4.69	-0.01	1.79e-03	0.0	8.63e-06
774	208	4.35	-2.06	-0.09	7.87e-04	0.0	-3.51e-04
774	220	-0.24	3.47	-0.11	-1.32e-03	0.0	-2.10e-04
774	225	2.48	-5.51	-6.96e-03	2.11e-03	0.0	8.72e-06
775	4	4.93e-03	0.36	-0.12	-1.23e-04	0.0	-1.06e-05
775	28	8.46e-03	-0.44	-0.11	1.48e-04	0.0	0.0
775	44	8.22e-03	-0.70	-0.09	2.36e-04	0.0	3.39e-06
775	68	3.53e-03	0.24	-0.08	-8.15e-05	0.0	-7.27e-06
775	80	5.89e-03	-0.30	-0.08	9.93e-05	0.0	0.0
775	88	5.73e-03	-0.47	-0.07	1.58e-04	0.0	2.07e-06
775	98	4.27e-03	-0.03	-0.07	7.56e-06	0.0	-3.58e-06
775	105	4.30e-03	-0.11	-0.07	3.71e-05	0.0	-2.21e-06
775	107	4.06e-03	-0.02	-0.07	7.13e-06	0.0	-3.39e-06
775	112	3.79	-1.79	-0.11	5.82e-04	0.0	-3.18e-04
775	124	-0.21	3.07	-0.12	-9.98e-04	0.0	-1.89e-04
775	129	2.11	-4.84	-0.03	1.57e-03	0.0	1.13e-05
775	144	4.27	-2.02	-0.11	6.55e-04	0.0	-3.58e-04
775	156	-0.23	3.46	-0.13	-1.12e-03	0.0	-2.13e-04
775	161	2.38	-5.45	-0.02	1.77e-03	0.0	1.30e-05
775	176	4.27	-2.03	-0.11	6.60e-04	0.0	-3.58e-04
775	188	-0.24	3.45	-0.13	-1.12e-03	0.0	-2.13e-04
775	193	2.41	-5.46	-0.02	1.78e-03	0.0	1.02e-05
775	208	5.02	-2.40	-0.12	7.79e-04	0.0	-4.20e-04
775	220	-0.28	4.04	-0.14	-1.31e-03	0.0	-2.50e-04
775	225	2.87	-6.42	-0.02	2.09e-03	0.0	1.04e-05
776	4	0.01	0.41	-0.17	-9.27e-06	0.0	-9.66e-06
776	28	0.02	-0.51	-0.16	1.63e-04	0.0	0.0
776	44	0.01	-0.81	-0.14	2.10e-04	0.0	5.02e-06
776	68	9.78e-03	0.27	-0.12	-3.01e-06	0.0	-6.53e-06
776	80	0.01	-0.34	-0.11	1.12e-04	0.0	0.0
776	88	0.01	-0.54	-0.10	1.43e-04	0.0	3.25e-06
776	98	9.24e-03	-0.03	-0.10	4.64e-05	0.0	-2.81e-06
776	105	8.88e-03	-0.13	-0.09	6.32e-05	0.0	-1.36e-06
776	107	8.75e-03	-0.03	-0.10	4.45e-05	0.0	-2.62e-06
776	112	4.29	-2.04	-0.14	-7.31e-04	0.0	-3.69e-04
776	124	-0.23	3.50	-0.16	-1.24e-03	0.0	1.66e-05
776	129	2.39	-5.52	-0.05	1.33e-03	0.0	-2.21e-04
776	144	4.84	-2.30	-0.15	-8.28e-04	0.0	-4.15e-04
776	156	-0.26	3.95	-0.17	-1.40e-03	0.0	1.93e-05
776	161	2.70	-6.21	-0.05	1.50e-03	0.0	-2.50e-04
776	176	4.84	-2.31	-0.15	-7.99e-04	0.0	-4.15e-04
776	188	-0.26	3.93	-0.17	-1.39e-03	0.0	2.01e-05
776	193	2.74	-6.22	-0.05	1.48e-03	0.0	-2.53e-04
776	208	5.69	-2.73	-0.15	-9.30e-04	0.0	-4.87e-04
776	220	-0.31	4.60	-0.18	-1.62e-03	0.0	2.55e-05
776	225	3.25	-7.32	-0.04	1.73e-03	0.0	-3.02e-04
777	4	4.44e-03	0.31	-0.07	-1.22e-04	0.0	-1.02e-05
777	28	7.52e-03	-0.38	-0.06	1.50e-04	0.0	-2.13e-06
777	44	7.33e-03	-0.60	-0.06	2.38e-04	0.0	1.69e-06
777	68	3.19e-03	0.21	-0.05	-8.10e-05	0.0	-6.98e-06
777	80	5.24e-03	-0.25	-0.05	1.00e-04	0.0	-1.63e-06
777	88	5.11e-03	-0.40	-0.04	1.59e-04	0.0	0.0
777	98	3.81e-03	-0.02	-0.04	8.18e-06	0.0	-3.79e-06
777	105	3.84e-03	-0.10	-0.04	3.79e-05	0.0	-2.61e-06
777	107	3.63e-03	-0.02	-0.04	7.76e-06	0.0	-3.60e-06

777	112	3.28	-1.40	-0.06	5.32e-04	0.0	-2.70e-04
777	124	-0.18	2.68	-0.07	-1.01e-03	0.0	-1.61e-04
777	129	1.83	-4.11	-0.02	1.56e-03	0.0	9.38e-06
777	144	3.70	-1.58	-0.06	6.00e-04	0.0	-3.04e-04
777	156	-0.20	3.02	-0.07	-1.14e-03	0.0	-1.81e-04
777	161	2.06	-4.63	-0.02	1.76e-03	0.0	1.09e-05
777	176	3.70	-1.59	-0.06	6.04e-04	0.0	-3.03e-04
777	188	-0.20	3.00	-0.07	-1.14e-03	0.0	-1.81e-04
777	193	2.09	-4.63	-0.02	1.76e-03	0.0	8.39e-06
777	208	4.35	-1.88	-0.06	7.14e-04	0.0	-3.56e-04
777	220	-0.24	3.52	-0.07	-1.33e-03	0.0	-2.12e-04
777	225	2.49	-5.44	-0.02	2.07e-03	0.0	8.54e-06
778	4	6.45e-03	0.36	-0.09	-1.22e-04	0.0	-1.03e-05
778	28	9.73e-03	-0.44	-0.08	1.50e-04	0.0	-1.50e-06
778	44	9.21e-03	-0.70	-0.07	2.38e-04	0.0	2.67e-06
778	68	4.59e-03	0.24	-0.07	-8.09e-05	0.0	-7.06e-06
778	80	6.77e-03	-0.30	-0.06	1.00e-04	0.0	-1.18e-06
778	88	6.43e-03	-0.47	-0.05	1.59e-04	0.0	1.60e-06
778	98	5.07e-03	-0.02	-0.05	8.31e-06	0.0	-3.62e-06
778	105	5.02e-03	-0.11	-0.05	3.80e-05	0.0	-2.33e-06
778	107	4.81e-03	-0.02	-0.05	7.88e-06	0.0	-3.43e-06
778	112	3.79	-1.63	-0.08	5.27e-04	0.0	-3.19e-04
778	124	-0.20	3.11	-0.08	-1.00e-03	0.0	1.36e-05
778	129	2.11	-4.78	-0.03	1.54e-03	0.0	-1.93e-04
778	144	4.27	-1.84	-0.08	5.93e-04	0.0	-3.60e-04
778	156	-0.23	3.51	-0.09	-1.13e-03	0.0	1.60e-05
778	161	2.38	-5.38	-0.03	1.74e-03	0.0	-2.17e-04
778	176	4.27	-1.85	-0.08	5.98e-04	0.0	-3.59e-04
778	188	-0.24	3.49	-0.09	-1.12e-03	0.0	1.65e-05
778	193	2.41	-5.39	-0.03	1.74e-03	0.0	-2.20e-04
778	208	5.02	-2.19	-0.08	7.07e-04	0.0	-4.21e-04
778	220	-0.28	4.09	-0.09	-1.31e-03	0.0	2.12e-05
778	225	2.87	-6.33	-0.02	2.04e-03	0.0	-2.62e-04
779	4	0.01	0.41	-0.13	-1.11e-05	0.0	-1.01e-05
779	28	0.02	-0.51	-0.12	1.60e-04	0.0	0.0
779	44	0.01	-0.81	-0.11	2.08e-04	0.0	3.57e-06
779	68	9.83e-03	0.28	-0.09	-4.32e-06	0.0	-6.86e-06
779	80	0.01	-0.34	-0.09	1.10e-04	0.0	0.0
779	88	0.01	-0.54	-0.08	1.42e-04	0.0	2.24e-06
779	98	9.25e-03	-0.03	-0.08	4.49e-05	0.0	-3.35e-06
779	105	8.88e-03	-0.13	-0.07	6.17e-05	0.0	-1.97e-06
779	107	8.77e-03	-0.03	-0.08	4.30e-05	0.0	-3.14e-06
779	112	4.29	-1.86	-0.10	-7.11e-04	0.0	-3.68e-04
779	124	-0.23	3.54	-0.11	-1.23e-03	0.0	1.63e-05
779	129	2.39	-5.44	-0.05	1.32e-03	0.0	-2.21e-04
779	144	4.84	-2.09	-0.10	-8.05e-04	0.0	-4.14e-04
779	156	-0.26	3.99	-0.12	-1.39e-03	0.0	1.90e-05
779	161	2.70	-6.13	-0.05	1.48e-03	0.0	-2.50e-04
779	176	4.84	-2.11	-0.10	-7.78e-04	0.0	-4.13e-04
779	188	-0.27	3.97	-0.12	-1.38e-03	0.0	1.99e-05
779	193	2.74	-6.13	-0.05	1.47e-03	0.0	-2.53e-04
779	208	5.69	-2.49	-0.11	-9.06e-04	0.0	-4.85e-04
779	220	-0.31	4.65	-0.12	-1.61e-03	0.0	2.55e-05
779	225	3.25	-7.21	-0.04	1.71e-03	0.0	-3.02e-04
780	4	6.01e-03	0.31	-0.06	-1.23e-04	0.0	-9.32e-06
780	28	8.92e-03	-0.38	-0.05	1.50e-04	0.0	-2.01e-06
780	44	8.46e-03	-0.60	-0.05	2.39e-04	0.0	1.53e-06
780	68	4.28e-03	0.21	-0.04	-8.17e-05	0.0	-6.40e-06
780	80	6.22e-03	-0.25	-0.04	1.00e-04	0.0	-1.53e-06
780	88	5.91e-03	-0.40	-0.03	1.60e-04	0.0	0.0
780	98	4.66e-03	-0.02	-0.04	7.91e-06	0.0	-3.50e-06
780	105	4.62e-03	-0.09	-0.03	3.78e-05	0.0	-2.41e-06
780	107	4.43e-03	-0.02	-0.03	7.51e-06	0.0	-3.32e-06
780	112	3.29	-1.27	-0.04	4.78e-04	0.0	-2.73e-04
780	124	-0.18	2.71	-0.05	-1.02e-03	0.0	1.16e-05
780	129	1.83	-4.06	-0.02	1.53e-03	0.0	-1.65e-04
780	144	3.71	-1.43	-0.04	5.38e-04	0.0	-3.07e-04
780	156	-0.20	3.06	-0.05	-1.15e-03	0.0	1.36e-05
780	161	2.07	-4.57	-0.02	1.73e-03	0.0	-1.86e-04
780	176	3.71	-1.44	-0.04	5.43e-04	0.0	-3.06e-04
780	188	-0.20	3.04	-0.05	-1.14e-03	0.0	1.40e-05
780	193	2.10	-4.57	-0.02	1.73e-03	0.0	-1.88e-04
780	208	4.36	-1.70	-0.05	6.42e-04	0.0	-3.60e-04
780	220	-0.24	3.56	-0.05	-1.34e-03	0.0	1.80e-05
780	225	2.49	-5.37	-0.02	2.03e-03	0.0	-2.24e-04

781	4	7.77e-03	0.37	-0.07	-1.23e-04	0.0	-1.03e-05
781	28	0.01	-0.44	-0.07	1.50e-04	0.0	-2.10e-06
781	44	0.01	-0.71	-0.06	2.39e-04	0.0	1.90e-06
781	68	5.50e-03	0.24	-0.05	-8.15e-05	0.0	-7.05e-06
781	80	7.54e-03	-0.30	-0.05	1.01e-04	0.0	-1.60e-06
781	88	7.03e-03	-0.47	-0.05	1.60e-04	0.0	1.07e-06
781	98	5.75e-03	-0.02	-0.05	8.10e-06	0.0	-3.81e-06
781	105	5.65e-03	-0.11	-0.04	3.80e-05	0.0	-2.58e-06
781	107	5.46e-03	-0.02	-0.04	7.70e-06	0.0	-3.61e-06
781	112	3.79	-1.47	-0.06	4.72e-04	0.0	-3.21e-04
781	124	-0.20	3.15	-0.06	-1.01e-03	0.0	1.35e-05
781	129	2.11	-4.72	-0.03	1.52e-03	0.0	-1.94e-04
781	144	4.27	-1.66	-0.06	5.32e-04	0.0	-3.61e-04
781	156	-0.23	3.55	-0.06	-1.14e-03	0.0	1.59e-05
781	161	2.38	-5.32	-0.03	1.71e-03	0.0	-2.18e-04
781	176	4.27	-1.67	-0.06	5.37e-04	0.0	-3.61e-04
781	188	-0.24	3.53	-0.06	-1.13e-03	0.0	1.65e-05
781	193	2.42	-5.31	-0.03	1.71e-03	0.0	-2.21e-04
781	208	5.03	-1.97	-0.06	6.35e-04	0.0	-4.23e-04
781	220	-0.28	4.13	-0.07	-1.32e-03	0.0	2.13e-05
781	225	2.87	-6.24	-0.03	2.01e-03	0.0	-2.64e-04
782	4	0.01	0.42	-0.11	-1.07e-05	0.0	-1.11e-05
782	28	0.02	-0.51	-0.10	1.59e-04	0.0	-2.28e-06
782	44	0.01	-0.81	-0.09	2.06e-04	0.0	2.12e-06
782	68	9.77e-03	0.28	-0.08	-4.06e-06	0.0	-7.62e-06
782	80	0.01	-0.34	-0.07	1.09e-04	0.0	-1.73e-06
782	88	0.01	-0.54	-0.06	1.41e-04	0.0	1.21e-06
782	98	9.17e-03	-0.03	-0.07	4.46e-05	0.0	-4.13e-06
782	105	8.79e-03	-0.13	-0.06	6.13e-05	0.0	-2.78e-06
782	107	8.69e-03	-0.02	-0.06	4.27e-05	0.0	-3.90e-06
782	112	4.29	-1.67	-0.08	-7.02e-04	0.0	-3.69e-04
782	124	-0.23	3.58	-0.08	-1.24e-03	0.0	1.55e-05
782	129	2.39	-5.37	-0.05	1.33e-03	0.0	-2.22e-04
782	144	4.84	-1.89	-0.08	-7.95e-04	0.0	-4.15e-04
782	156	-0.26	4.04	-0.09	-1.40e-03	0.0	1.83e-05
782	161	2.70	-6.05	-0.05	1.49e-03	0.0	-2.51e-04
782	176	4.84	-1.90	-0.08	-7.68e-04	0.0	-4.14e-04
782	188	-0.27	4.02	-0.08	-1.38e-03	0.0	1.91e-05
782	193	2.74	-6.05	-0.05	1.48e-03	0.0	-2.54e-04
782	208	5.69	-2.25	-0.08	-8.94e-04	0.0	-4.86e-04
782	220	-0.32	4.70	-0.09	-1.62e-03	0.0	2.47e-05
782	225	3.25	-7.10	-0.05	1.72e-03	0.0	-3.03e-04
783	4	7.56e-03	0.32	-0.05	-1.25e-04	0.0	-8.74e-06
783	28	0.01	-0.38	-0.05	1.49e-04	0.0	-1.98e-06
783	44	9.58e-03	-0.60	-0.04	2.39e-04	0.0	1.36e-06
783	68	5.35e-03	0.21	-0.04	-8.29e-05	0.0	-6.01e-06
783	80	7.18e-03	-0.25	-0.03	9.99e-05	0.0	-1.50e-06
783	88	6.70e-03	-0.40	-0.03	1.60e-04	0.0	0.0
783	98	5.49e-03	-0.02	-0.03	7.21e-06	0.0	-3.33e-06
783	105	5.39e-03	-0.09	-0.03	3.73e-05	0.0	-2.31e-06
783	107	5.22e-03	-0.02	-0.03	6.85e-06	0.0	-3.16e-06
783	112	3.30	-1.13	-0.03	4.24e-04	0.0	-2.75e-04
783	129	1.84	-4.01	-0.02	1.51e-03	0.0	-1.66e-04
783	130	-1.82	3.98	-0.04	-1.50e-03	0.0	1.60e-04
783	144	3.71	-1.27	-0.03	4.78e-04	0.0	-3.09e-04
783	161	2.07	-4.52	-0.02	1.70e-03	0.0	-1.87e-04
783	162	-2.06	4.48	-0.04	-1.69e-03	0.0	1.81e-04
783	176	3.71	-1.28	-0.03	4.83e-04	0.0	-3.09e-04
783	193	2.10	-4.51	-0.02	1.70e-03	0.0	-1.89e-04
783	194	-2.09	4.48	-0.04	-1.69e-03	0.0	1.83e-04
783	208	4.37	-1.52	-0.03	5.71e-04	0.0	-3.62e-04
783	225	2.50	-5.30	-0.02	2.00e-03	0.0	-2.25e-04
783	226	-2.49	5.26	-0.04	-1.98e-03	0.0	2.19e-04
784	4	8.94e-03	0.37	-0.07	-1.25e-04	0.0	-1.03e-05
784	28	0.01	-0.44	-0.06	1.49e-04	0.0	-2.59e-06
784	44	0.01	-0.71	-0.06	2.39e-04	0.0	1.28e-06
784	68	6.31e-03	0.25	-0.05	-8.27e-05	0.0	-7.08e-06
784	80	8.22e-03	-0.29	-0.05	1.00e-04	0.0	-1.94e-06
784	88	7.57e-03	-0.47	-0.04	1.60e-04	0.0	0.0
784	98	6.37e-03	-0.02	-0.04	7.39e-06	0.0	-4.00e-06
784	105	6.20e-03	-0.11	-0.04	3.74e-05	0.0	-2.81e-06
784	107	6.04e-03	-0.02	-0.04	7.02e-06	0.0	-3.79e-06
784	112	3.79	-1.31	-0.04	4.19e-04	0.0	-3.22e-04
784	129	2.11	-4.66	-0.03	1.49e-03	0.0	-1.94e-04
784	130	-2.10	4.62	-0.05	-1.48e-03	0.0	1.87e-04

784	144	4.28	-1.48	-0.04	4.72e-04	0.0	-3.63e-04
784	161	2.39	-5.25	-0.03	1.68e-03	0.0	-2.19e-04
784	162	-2.37	5.21	-0.05	-1.67e-03	0.0	2.12e-04
784	176	4.28	-1.49	-0.04	4.77e-04	0.0	-3.62e-04
784	193	2.42	-5.24	-0.03	1.68e-03	0.0	-2.22e-04
784	194	-2.41	5.20	-0.05	-1.67e-03	0.0	2.15e-04
784	208	5.03	-1.76	-0.04	5.64e-04	0.0	-4.25e-04
784	225	2.88	-6.15	-0.03	1.97e-03	0.0	-2.65e-04
784	226	-2.86	6.12	-0.05	-1.96e-03	0.0	2.57e-04
785	4	0.01	0.43	-0.09	-1.02e-05	0.0	-1.19e-05
785	28	0.02	-0.51	-0.09	1.59e-04	0.0	-3.38e-06
785	44	0.01	-0.81	-0.08	2.06e-04	0.0	1.00e-06
785	68	9.68e-03	0.28	-0.07	-3.76e-06	0.0	-8.19e-06
785	80	0.01	-0.34	-0.06	1.09e-04	0.0	-2.51e-06
785	88	0.01	-0.54	-0.06	1.40e-04	0.0	0.0
785	98	9.06e-03	-0.02	-0.06	4.45e-05	0.0	-4.73e-06
785	105	8.67e-03	-0.13	-0.06	6.11e-05	0.0	-3.40e-06
785	107	8.58e-03	-0.02	-0.06	4.26e-05	0.0	-4.49e-06
785	112	4.29	-1.49	-0.06	-6.82e-04	0.0	-3.69e-04
785	129	2.39	-5.30	-0.05	1.32e-03	0.0	-2.23e-04
785	130	-2.38	5.26	-0.07	-1.24e-03	0.0	2.14e-04
785	144	4.84	-1.68	-0.05	-7.73e-04	0.0	-4.16e-04
785	161	2.70	-5.97	-0.05	1.48e-03	0.0	-2.51e-04
785	162	-2.68	5.93	-0.07	-1.40e-03	0.0	2.42e-04
785	176	4.84	-1.69	-0.06	-7.48e-04	0.0	-4.15e-04
785	193	2.74	-5.96	-0.05	1.47e-03	0.0	-2.55e-04
785	194	-2.72	5.92	-0.07	-1.38e-03	0.0	2.46e-04
785	208	5.68	-2.00	-0.05	-8.71e-04	0.0	-4.87e-04
785	225	3.25	-7.00	-0.04	1.71e-03	0.0	-3.03e-04
785	226	-3.24	6.96	-0.07	-1.62e-03	0.0	2.94e-04
786	4	9.06e-03	0.32	-0.05	-1.27e-04	0.0	-8.25e-06
786	28	0.01	-0.37	-0.05	1.48e-04	0.0	-1.85e-06
786	44	0.01	-0.60	-0.04	2.39e-04	0.0	1.32e-06
786	68	6.39e-03	0.22	-0.03	-8.45e-05	0.0	-5.67e-06
786	80	8.12e-03	-0.25	-0.03	9.92e-05	0.0	-1.41e-06
786	88	7.46e-03	-0.40	-0.03	1.59e-04	0.0	0.0
786	98	6.30e-03	-0.01	-0.03	6.21e-06	0.0	-3.17e-06
786	105	6.13e-03	-0.09	-0.03	3.65e-05	0.0	-2.20e-06
786	107	5.98e-03	-0.01	-0.03	5.90e-06	0.0	-3.01e-06
786	112	3.30	-0.99	-0.02	3.70e-04	0.0	-2.75e-04
786	114	-2.63	2.79	-0.04	-1.05e-03	0.0	2.12e-04
786	129	1.84	-3.96	-0.02	1.49e-03	0.0	-1.66e-04
786	144	3.72	-1.11	-0.02	4.17e-04	0.0	-3.10e-04
786	146	-2.96	3.14	-0.04	-1.18e-03	0.0	2.39e-04
786	161	2.08	-4.46	-0.02	1.68e-03	0.0	-1.87e-04
786	176	3.72	-1.12	-0.02	4.22e-04	0.0	-3.09e-04
786	178	-2.96	3.10	-0.04	-1.17e-03	0.0	2.37e-04
786	193	2.10	-4.45	-0.02	1.68e-03	0.0	-1.90e-04
786	208	4.37	-1.33	-0.02	5.00e-04	0.0	-3.63e-04
786	210	-3.48	3.63	-0.04	-1.37e-03	0.0	2.79e-04
786	225	2.50	-5.22	-0.02	1.97e-03	0.0	-2.26e-04
787	4	1.00e-02	0.38	-0.06	-1.27e-04	0.0	-1.03e-05
787	28	0.01	-0.44	-0.06	1.48e-04	0.0	-2.87e-06
787	44	0.01	-0.71	-0.05	2.39e-04	0.0	0.0
787	68	7.04e-03	0.25	-0.05	-8.44e-05	0.0	-7.06e-06
787	80	8.84e-03	-0.29	-0.04	9.92e-05	0.0	-2.14e-06
787	88	8.05e-03	-0.47	-0.04	1.59e-04	0.0	0.0
787	98	6.92e-03	-0.02	-0.04	6.28e-06	0.0	-4.09e-06
787	105	6.70e-03	-0.11	-0.04	3.65e-05	0.0	-2.94e-06
787	107	6.56e-03	-0.02	-0.04	5.97e-06	0.0	-3.88e-06
787	112	3.80	-1.15	-0.03	3.65e-04	0.0	-3.23e-04
787	114	-3.02	3.24	-0.05	-1.04e-03	0.0	2.48e-04
787	129	2.12	-4.60	-0.03	1.47e-03	0.0	-1.95e-04
787	144	4.28	-1.29	-0.03	4.11e-04	0.0	-3.63e-04
787	146	-3.41	3.65	-0.05	-1.17e-03	0.0	2.80e-04
787	161	2.39	-5.18	-0.03	1.66e-03	0.0	-2.20e-04
787	176	4.28	-1.31	-0.03	4.17e-04	0.0	-3.63e-04
787	178	-3.41	3.60	-0.05	-1.16e-03	0.0	2.78e-04
787	193	2.42	-5.17	-0.03	1.66e-03	0.0	-2.23e-04
787	208	5.03	-1.55	-0.03	4.93e-04	0.0	-4.25e-04
787	210	-4.01	4.21	-0.05	-1.35e-03	0.0	3.26e-04
787	225	2.88	-6.06	-0.03	1.94e-03	0.0	-2.65e-04
788	4	0.01	0.43	-0.09	-9.70e-06	0.0	-1.24e-05
788	28	0.02	-0.50	-0.09	1.58e-04	0.0	-4.11e-06
788	44	0.01	-0.81	-0.08	2.05e-04	0.0	0.0

788	68	9.57e-03	0.29	-0.06	-3.44e-06	0.0	-8.58e-06
788	80	0.01	-0.34	-0.06	1.09e-04	0.0	-3.03e-06
788	88	9.82e-03	-0.54	-0.06	1.40e-04	0.0	0.0
788	98	8.94e-03	-0.02	-0.06	4.45e-05	0.0	-5.14e-06
788	105	8.54e-03	-0.12	-0.05	6.11e-05	0.0	-3.81e-06
788	107	8.46e-03	-0.02	-0.06	4.26e-05	0.0	-4.88e-06
788	112	4.29	-1.30	-0.05	-6.61e-04	0.0	-3.70e-04
788	114	-3.42	3.68	-0.07	2.03e-04	0.0	2.84e-04
788	129	2.39	-5.23	-0.05	1.31e-03	0.0	-2.23e-04
788	144	4.83	-1.47	-0.05	-7.49e-04	0.0	-4.16e-04
788	146	-3.85	4.15	-0.07	2.24e-04	0.0	3.20e-04
788	161	2.70	-5.89	-0.05	1.47e-03	0.0	-2.52e-04
788	176	4.84	-1.48	-0.05	-7.25e-04	0.0	-4.15e-04
788	178	-3.85	4.10	-0.07	2.14e-04	0.0	3.18e-04
788	193	2.74	-5.88	-0.05	1.46e-03	0.0	-2.55e-04
788	208	5.68	-1.76	-0.04	-8.45e-04	0.0	-4.87e-04
788	210	-4.53	4.80	-0.07	2.40e-04	0.0	3.73e-04
788	225	3.25	-6.90	-0.04	1.69e-03	0.0	-3.04e-04
789	4	0.01	0.33	-0.05	-1.30e-04	0.0	-7.72e-06
789	28	0.01	-0.37	-0.05	1.47e-04	0.0	-1.56e-06
789	44	0.01	-0.60	-0.04	2.38e-04	0.0	1.48e-06
789	68	7.38e-03	0.22	-0.04	-8.63e-05	0.0	-5.32e-06
789	80	9.02e-03	-0.25	-0.03	9.82e-05	0.0	-1.21e-06
789	88	8.20e-03	-0.40	-0.03	1.59e-04	0.0	0.0
789	98	7.07e-03	-0.01	-0.03	4.99e-06	0.0	-2.96e-06
789	105	6.84e-03	-0.09	-0.03	3.55e-05	0.0	-2.02e-06
789	107	6.70e-03	-0.01	-0.03	4.74e-06	0.0	-2.81e-06
789	112	3.31	-0.85	-0.02	3.16e-04	0.0	-2.75e-04
789	114	-2.63	2.66	-0.05	-1.00e-03	0.0	2.12e-04
789	129	1.84	-3.91	-0.02	1.47e-03	0.0	-1.66e-04
789	144	3.73	-0.96	-0.01	3.56e-04	0.0	-3.09e-04
789	146	-2.97	2.99	-0.05	-1.13e-03	0.0	2.39e-04
789	161	2.08	-4.40	-0.02	1.66e-03	0.0	-1.87e-04
789	176	3.73	-0.97	-0.01	3.61e-04	0.0	-3.09e-04
789	178	-2.97	2.96	-0.05	-1.12e-03	0.0	2.37e-04
789	193	2.11	-4.39	-0.02	1.65e-03	0.0	-1.89e-04
789	208	4.38	-1.15	-0.01	4.29e-04	0.0	-3.62e-04
789	210	-3.49	3.45	-0.06	-1.30e-03	0.0	2.78e-04
789	225	2.51	-5.15	-0.02	1.94e-03	0.0	-2.25e-04
790	4	0.01	0.38	-0.07	-1.30e-04	0.0	-1.01e-05
790	28	0.01	-0.44	-0.06	1.47e-04	0.0	-2.96e-06
790	44	0.01	-0.71	-0.06	2.38e-04	0.0	0.0
790	68	7.71e-03	0.26	-0.05	-8.64e-05	0.0	-6.98e-06
790	80	9.41e-03	-0.29	-0.05	9.81e-05	0.0	-2.21e-06
790	88	8.50e-03	-0.47	-0.04	1.59e-04	0.0	0.0
790	98	7.42e-03	-0.02	-0.04	4.91e-06	0.0	-4.11e-06
790	105	7.16e-03	-0.11	-0.04	3.54e-05	0.0	-2.98e-06
790	107	7.03e-03	-0.01	-0.04	4.67e-06	0.0	-3.90e-06
790	112	3.80	-0.98	-0.02	3.11e-04	0.0	-3.23e-04
790	114	-3.03	3.08	-0.06	-9.89e-04	0.0	2.48e-04
790	129	2.12	-4.54	-0.03	1.45e-03	0.0	-1.95e-04
790	144	4.28	-1.11	-0.02	3.51e-04	0.0	-3.63e-04
790	146	-3.41	3.47	-0.07	-1.11e-03	0.0	2.80e-04
790	161	2.39	-5.11	-0.03	1.63e-03	0.0	-2.19e-04
790	176	4.28	-1.12	-0.02	3.56e-04	0.0	-3.62e-04
790	178	-3.41	3.44	-0.07	-1.10e-03	0.0	2.78e-04
790	193	2.42	-5.10	-0.03	1.63e-03	0.0	-2.22e-04
790	208	5.03	-1.33	-0.02	4.23e-04	0.0	-4.25e-04
790	210	-4.01	4.01	-0.07	-1.29e-03	0.0	3.26e-04
790	225	2.88	-5.98	-0.03	1.91e-03	0.0	-2.65e-04
791	4	0.01	0.44	-0.09	-9.28e-06	0.0	-1.28e-05
791	28	0.02	-0.50	-0.09	1.58e-04	0.0	-4.57e-06
791	44	0.01	-0.81	-0.08	2.05e-04	0.0	0.0
791	68	9.40e-03	0.29	-0.07	-3.17e-06	0.0	-8.82e-06
791	80	0.01	-0.33	-0.07	1.09e-04	0.0	-3.36e-06
791	88	9.59e-03	-0.54	-0.06	1.40e-04	0.0	0.0
791	98	8.77e-03	-0.02	-0.06	4.46e-05	0.0	-5.39e-06
791	105	8.37e-03	-0.12	-0.06	6.11e-05	0.0	-4.07e-06
791	107	8.30e-03	-0.02	-0.06	4.27e-05	0.0	-5.13e-06
791	112	4.29	-1.12	-0.04	-6.39e-04	0.0	-3.70e-04
791	114	-3.42	3.51	-0.09	1.74e-04	0.0	2.83e-04
791	129	2.39	-5.16	-0.05	1.30e-03	0.0	-2.23e-04
791	144	4.83	-1.26	-0.04	-7.24e-04	0.0	-4.16e-04
791	146	-3.85	3.95	-0.09	1.91e-04	0.0	3.20e-04
791	161	2.70	-5.81	-0.04	1.46e-03	0.0	-2.52e-04

791	176	4.83	-1.28	-0.04	-7.01e-04	0.0	-4.15e-04
791	178	-3.85	3.91	-0.09	1.82e-04	0.0	3.17e-04
791	193	2.74	-5.80	-0.04	1.44e-03	0.0	-2.55e-04
791	208	5.68	-1.51	-0.03	-8.18e-04	0.0	-4.87e-04
791	210	-4.53	4.57	-0.09	2.03e-04	0.0	3.73e-04
791	225	3.25	-6.80	-0.04	1.68e-03	0.0	-3.04e-04
792	4	0.01	0.33	-0.06	-1.33e-04	0.0	-7.17e-06
792	28	0.01	-0.37	-0.06	1.45e-04	0.0	-1.12e-06
792	44	0.01	-0.61	-0.05	2.37e-04	0.0	1.81e-06
792	68	8.35e-03	0.22	-0.04	-8.84e-05	0.0	-4.93e-06
792	80	9.90e-03	-0.25	-0.04	9.70e-05	0.0	0.0
792	88	8.91e-03	-0.40	-0.04	1.58e-04	0.0	1.05e-06
792	98	7.82e-03	-0.01	-0.04	3.55e-06	0.0	-2.68e-06
792	105	7.54e-03	-0.09	-0.03	3.43e-05	0.0	-1.77e-06
792	107	7.41e-03	-0.01	-0.04	3.37e-06	0.0	-2.55e-06
792	112	3.31	-0.71	-7.71e-03	2.61e-04	0.0	-2.73e-04
792	114	-2.64	2.53	-0.07	-9.51e-04	0.0	2.11e-04
792	129	1.85	-3.86	-0.02	1.45e-03	0.0	-1.65e-04
792	144	3.73	-0.80	-4.23e-03	2.95e-04	0.0	-3.08e-04
792	146	-2.97	2.85	-0.08	-1.07e-03	0.0	2.38e-04
792	161	2.09	-4.35	-0.02	1.63e-03	0.0	-1.86e-04
792	176	3.74	-0.81	-4.42e-03	3.00e-04	0.0	-3.07e-04
792	178	-2.97	2.81	-0.08	-1.06e-03	0.0	2.36e-04
792	193	2.11	-4.33	-0.02	1.63e-03	0.0	-1.88e-04
792	208	4.39	-0.96	8.87e-04	3.57e-04	0.0	-3.60e-04
792	210	-3.50	3.28	-0.09	-1.24e-03	0.0	2.77e-04
792	225	2.51	-5.07	-0.01	1.91e-03	0.0	-2.24e-04
793	4	0.01	0.39	-0.08	-1.33e-04	0.0	-1.01e-05
793	28	0.01	-0.44	-0.07	1.45e-04	0.0	-3.09e-06
793	44	0.01	-0.71	-0.06	2.37e-04	0.0	0.0
793	68	8.35e-03	0.26	-0.05	-8.87e-05	0.0	-6.95e-06
793	80	9.94e-03	-0.29	-0.05	9.67e-05	0.0	-2.30e-06
793	88	8.91e-03	-0.47	-0.05	1.58e-04	0.0	0.0
793	98	7.90e-03	-0.01	-0.05	3.30e-06	0.0	-4.15e-06
793	105	7.59e-03	-0.10	-0.05	3.41e-05	0.0	-3.05e-06
793	107	7.48e-03	-0.01	-0.05	3.14e-06	0.0	-3.94e-06
793	112	3.80	-0.82	-0.01	2.57e-04	0.0	-3.22e-04
793	114	-3.03	2.93	-0.09	-9.39e-04	0.0	2.47e-04
793	129	2.12	-4.48	-0.03	1.43e-03	0.0	-1.94e-04
793	144	4.28	-0.93	-0.01	2.90e-04	0.0	-3.63e-04
793	146	-3.41	3.30	-0.10	-1.06e-03	0.0	2.79e-04
793	161	2.39	-5.05	-0.02	1.61e-03	0.0	-2.19e-04
793	176	4.28	-0.94	-0.01	2.95e-04	0.0	-3.62e-04
793	178	-3.41	3.27	-0.10	-1.05e-03	0.0	2.77e-04
793	193	2.42	-5.03	-0.02	1.60e-03	0.0	-2.22e-04
793	208	5.03	-1.12	-4.29e-03	3.51e-04	0.0	-4.25e-04
793	210	-4.01	3.82	-0.10	-1.22e-03	0.0	3.25e-04
793	225	2.88	-5.89	-0.02	1.88e-03	0.0	-2.64e-04
794	4	0.01	0.45	-0.11	-8.99e-06	0.0	-1.29e-05
794	28	0.02	-0.50	-0.10	1.58e-04	0.0	-5.04e-06
794	44	0.01	-0.81	-0.09	2.05e-04	0.0	0.0
794	68	9.16e-03	0.30	-0.08	-3.00e-06	0.0	-8.96e-06
794	80	0.01	-0.33	-0.07	1.08e-04	0.0	-3.70e-06
794	88	9.30e-03	-0.54	-0.07	1.39e-04	0.0	0.0
794	98	8.54e-03	-0.01	-0.07	4.46e-05	0.0	-5.62e-06
794	105	8.14e-03	-0.12	-0.06	6.10e-05	0.0	-4.33e-06
794	107	8.08e-03	-0.01	-0.06	4.26e-05	0.0	-5.34e-06
794	112	4.29	-0.93	-0.03	1.44e-04	0.0	-3.70e-04
794	114	-3.42	3.34	-0.11	-6.17e-04	0.0	2.83e-04
794	129	2.39	-5.09	-0.04	1.29e-03	0.0	-2.24e-04
794	144	4.83	-1.05	-0.02	1.57e-04	0.0	-4.16e-04
794	146	-3.85	3.76	-0.12	-6.99e-04	0.0	3.19e-04
794	161	2.70	-5.74	-0.04	1.45e-03	0.0	-2.52e-04
794	176	4.83	-1.07	-0.02	1.50e-04	0.0	-4.16e-04
794	178	-3.85	3.72	-0.12	-6.77e-04	0.0	3.17e-04
794	193	2.74	-5.71	-0.04	1.43e-03	0.0	-2.55e-04
794	208	5.68	-1.27	-0.02	1.66e-04	0.0	-4.87e-04
794	210	-4.53	4.34	-0.13	-7.90e-04	0.0	3.72e-04
794	225	3.25	-6.70	-0.03	1.67e-03	0.0	-3.04e-04
795	4	0.01	0.34	-0.07	-1.36e-04	0.0	-6.75e-06
795	28	0.02	-0.37	-0.07	1.43e-04	0.0	0.0
795	44	0.01	-0.61	-0.06	2.36e-04	0.0	2.09e-06
795	68	9.52e-03	0.22	-0.05	-9.09e-05	0.0	-4.65e-06
795	80	0.01	-0.25	-0.05	9.53e-05	0.0	0.0
795	88	9.77e-03	-0.40	-0.05	1.57e-04	0.0	1.25e-06

795	98	8.73e-03	-0.01	-0.05	1.74e-06	0.0	-2.47e-06
795	105	8.37e-03	-0.09	-0.04	3.27e-05	0.0	-1.58e-06
795	107	8.26e-03	-9.56e-03	-0.04	1.65e-06	0.0	-2.35e-06
795	112	3.32	-0.57	0.02	2.05e-04	0.0	-2.72e-04
795	114	-2.64	2.40	-0.13	-8.99e-04	0.0	2.10e-04
795	129	1.85	-3.81	-1.04e-03	1.43e-03	0.0	-1.64e-04
795	144	3.74	-0.64	0.03	2.32e-04	0.0	-3.06e-04
795	146	-2.98	2.70	-0.14	-1.01e-03	0.0	2.37e-04
795	161	2.09	-4.29	4.42e-03	1.61e-03	0.0	-1.85e-04
795	176	3.74	-0.65	0.03	2.37e-04	0.0	-3.06e-04
795	178	-2.98	2.67	-0.14	-1.00e-03	0.0	2.35e-04
795	193	2.12	-4.27	4.58e-03	1.60e-03	0.0	-1.87e-04
795	208	4.40	-0.78	0.04	2.83e-04	0.0	-3.59e-04
795	210	-3.50	3.12	-0.16	-1.17e-03	0.0	2.76e-04
795	225	2.52	-5.01	0.01	1.87e-03	0.0	-2.23e-04
796	4	0.01	0.40	-0.09	-1.37e-04	0.0	-1.04e-05
796	28	0.02	-0.43	-0.09	1.42e-04	0.0	-3.51e-06
796	44	0.01	-0.71	-0.08	2.35e-04	0.0	0.0
796	68	9.08e-03	0.26	-0.07	-9.13e-05	0.0	-7.21e-06
796	80	0.01	-0.29	-0.07	9.46e-05	0.0	-2.60e-06
796	88	9.38e-03	-0.47	-0.06	1.56e-04	0.0	0.0
796	98	8.44e-03	-0.01	-0.06	1.27e-06	0.0	-4.38e-06
796	105	8.08e-03	-0.10	-0.06	3.22e-05	0.0	-3.28e-06
796	107	7.99e-03	-0.01	-0.06	1.20e-06	0.0	-4.17e-06
796	112	3.80	-0.66	0.02	2.00e-04	0.0	-3.22e-04
796	114	-3.03	2.78	-0.16	-8.87e-04	0.0	2.47e-04
796	129	2.12	-4.42	-6.73e-03	1.40e-03	0.0	-1.95e-04
796	144	4.28	-0.74	0.03	2.26e-04	0.0	-3.63e-04
796	146	-3.41	3.14	-0.17	-9.99e-04	0.0	2.79e-04
796	161	2.39	-4.98	-4.04e-04	1.58e-03	0.0	-2.19e-04
796	176	4.28	-0.76	0.03	2.32e-04	0.0	-3.62e-04
796	178	-3.41	3.10	-0.17	-9.88e-04	0.0	2.77e-04
796	193	2.43	-4.96	-1.96e-04	1.58e-03	0.0	-2.22e-04
796	208	5.04	-0.90	0.04	2.77e-04	0.0	-4.25e-04
796	210	-4.01	3.62	-0.19	-1.15e-03	0.0	3.25e-04
796	225	2.88	-5.81	0.01	1.85e-03	0.0	-2.65e-04
797	4	0.01	0.46	-0.13	-8.91e-06	0.0	-1.32e-05
797	28	0.01	-0.49	-0.12	1.59e-04	0.0	-5.20e-06
797	44	0.01	-0.81	-0.11	2.06e-04	0.0	0.0
797	68	8.95e-03	0.30	-0.09	-2.92e-06	0.0	-9.13e-06
797	80	0.01	-0.33	-0.09	1.09e-04	0.0	-3.81e-06
797	88	9.04e-03	-0.54	-0.08	1.40e-04	0.0	0.0
797	98	8.35e-03	-0.01	-0.08	4.48e-05	0.0	-5.74e-06
797	105	7.95e-03	-0.12	-0.08	6.13e-05	0.0	-4.44e-06
797	107	7.90e-03	-0.01	-0.08	4.29e-05	0.0	-5.46e-06
797	112	4.29	-0.74	6.45e-03	1.14e-04	0.0	-3.70e-04
797	114	-3.41	3.17	-0.19	-5.94e-04	0.0	2.83e-04
797	129	2.39	-5.03	-0.02	1.28e-03	0.0	-2.24e-04
797	144	4.83	-0.84	0.02	1.24e-04	0.0	-4.17e-04
797	146	-3.85	3.56	-0.20	-6.74e-04	0.0	3.19e-04
797	161	2.70	-5.66	-0.02	1.44e-03	0.0	-2.52e-04
797	176	4.83	-0.86	0.02	1.17e-04	0.0	-4.16e-04
797	178	-3.85	3.52	-0.20	-6.54e-04	0.0	3.17e-04
797	193	2.73	-5.63	-0.02	1.42e-03	0.0	-2.55e-04
797	208	5.68	-1.02	0.03	1.28e-04	0.0	-4.88e-04
797	210	-4.52	4.11	-0.22	-7.63e-04	0.0	3.72e-04
797	225	3.25	-6.60	-3.99e-03	1.65e-03	0.0	-3.04e-04
798	4	0.02	0.34	-0.12	-1.41e-04	0.0	-6.79e-06
798	28	0.02	-0.37	-0.11	1.39e-04	0.0	0.0
798	44	0.02	-0.61	-0.10	2.33e-04	0.0	1.99e-06
798	68	0.01	0.23	-0.08	-9.40e-05	0.0	-4.67e-06
798	80	0.01	-0.25	-0.08	9.29e-05	0.0	0.0
798	88	0.01	-0.41	-0.07	1.55e-04	0.0	1.18e-06
798	98	0.01	-8.73e-03	-0.07	0.0	0.0	-2.51e-06
798	105	0.01	-0.09	-0.07	3.07e-05	0.0	-1.62e-06
798	107	0.01	-8.27e-03	-0.07	0.0	0.0	-2.38e-06
798	112	3.32	-0.43	0.13	1.51e-04	0.0	-2.72e-04
798	114	-2.64	2.27	-0.32	-8.50e-04	0.0	2.10e-04
798	129	1.86	-3.77	0.06	1.40e-03	0.0	-1.64e-04
798	144	3.75	-0.49	0.15	1.71e-04	0.0	-3.06e-04
798	146	-2.98	2.56	-0.35	-9.57e-04	0.0	2.37e-04
798	161	2.09	-4.24	0.08	1.58e-03	0.0	-1.85e-04
798	176	3.75	-0.50	0.15	1.77e-04	0.0	-3.06e-04
798	178	-2.98	2.53	-0.35	-9.46e-04	0.0	2.35e-04
798	193	2.12	-4.22	0.08	1.57e-03	0.0	-1.87e-04

798	208	4.40	-0.60	0.19	2.13e-04	0.0	-3.59e-04
798	210	-3.50	2.95	-0.40	-1.10e-03	0.0	2.75e-04
798	225	2.52	-4.94	0.11	1.84e-03	0.0	-2.23e-04
799	4	0.01	0.40	-0.13	-1.41e-04	0.0	-1.13e-05
799	28	0.02	-0.43	-0.13	1.39e-04	0.0	-4.35e-06
799	44	0.01	-0.71	-0.11	2.33e-04	0.0	0.0
799	68	0.01	0.27	-0.09	-9.41e-05	0.0	-7.80e-06
799	80	0.01	-0.29	-0.09	9.28e-05	0.0	-3.18e-06
799	88	0.01	-0.47	-0.08	1.55e-04	0.0	0.0
799	98	9.37e-03	-7.89e-03	-0.08	0.0	0.0	-4.86e-06
799	105	8.91e-03	-0.10	-0.08	3.06e-05	0.0	-3.73e-06
799	107	8.86e-03	-7.47e-03	-0.08	0.0	0.0	-4.62e-06
799	112	3.81	-0.49	0.12	1.48e-04	0.0	-3.23e-04
799	114	-3.03	2.63	-0.34	-8.39e-04	0.0	2.47e-04
799	129	2.12	-4.37	0.06	1.38e-03	0.0	-1.95e-04
799	144	4.29	-0.56	0.15	1.67e-04	0.0	-3.63e-04
799	146	-3.41	2.97	-0.37	-9.45e-04	0.0	2.79e-04
799	161	2.40	-4.92	0.07	1.56e-03	0.0	-2.20e-04
799	176	4.29	-0.57	0.15	1.73e-04	0.0	-3.62e-04
799	178	-3.41	2.93	-0.37	-9.34e-04	0.0	2.77e-04
799	193	2.43	-4.89	0.07	1.55e-03	0.0	-2.23e-04
799	208	5.04	-0.69	0.19	2.08e-04	0.0	-4.25e-04
799	210	-4.01	3.42	-0.42	-1.09e-03	0.0	3.25e-04
799	225	2.89	-5.72	0.10	1.81e-03	0.0	-2.65e-04
800	4	0.01	0.46	-0.15	-8.28e-06	0.0	-1.34e-05
800	28	0.01	-0.49	-0.15	1.59e-04	0.0	-5.07e-06
800	44	0.01	-0.81	-0.13	2.05e-04	0.0	0.0
800	68	8.52e-03	0.31	-0.11	-2.53e-06	0.0	-9.27e-06
800	80	9.78e-03	-0.33	-0.10	1.09e-04	0.0	-3.72e-06
800	88	8.57e-03	-0.54	-0.09	1.40e-04	0.0	0.0
800	98	7.96e-03	-7.84e-03	-0.09	4.49e-05	0.0	-5.75e-06
800	105	7.57e-03	-0.11	-0.09	6.13e-05	0.0	-4.40e-06
800	107	7.53e-03	-7.42e-03	-0.09	4.30e-05	0.0	-5.47e-06
800	112	4.28	-0.55	0.12	8.63e-05	0.0	-3.70e-04
800	114	-3.41	2.99	-0.36	-5.74e-04	0.0	2.83e-04
800	129	2.39	-4.96	0.05	1.27e-03	0.0	-2.24e-04
800	144	4.83	-0.63	0.15	9.21e-05	0.0	-4.17e-04
800	146	-3.85	3.37	-0.40	-6.51e-04	0.0	3.19e-04
800	161	2.70	-5.59	0.07	1.43e-03	0.0	-2.52e-04
800	176	4.83	-0.64	0.15	8.67e-05	0.0	-4.16e-04
800	178	-3.85	3.33	-0.40	-6.31e-04	0.0	3.17e-04
800	193	2.73	-5.56	0.07	1.41e-03	0.0	-2.56e-04
800	208	5.67	-0.77	0.19	9.27e-05	0.0	-4.88e-04
800	210	-4.52	3.89	-0.45	-7.38e-04	0.0	3.72e-04
800	225	3.25	-6.50	0.10	1.64e-03	0.0	-3.04e-04
801	1	0.0	0.0	0.0	-8.33e-05	0.0	-1.81e-06
801	65	0.0	0.0	0.0	-5.19e-05	0.0	-1.31e-06
801	97	0.0	0.0	0.0	4.24e-05	0.0	-1.26e-06
801	106	0.0	0.0	0.0	4.24e-05	0.0	-1.26e-06
801	108	0.0	0.0	0.0	6.84e-05	0.0	-5.03e-06
801	140	0.0	0.0	0.0	6.95e-05	0.0	-5.42e-06
801	172	0.0	0.0	0.0	7.12e-05	0.0	-5.39e-06
801	204	0.0	0.0	0.0	7.55e-05	0.0	-6.00e-06
802	4	-6.78e-03	6.75e-03	-0.08	-3.58e-05	0.0	-3.15e-05
802	28	-6.65e-03	-0.14	-0.08	2.50e-04	0.0	-3.05e-05
802	44	-5.71e-03	-0.18	-0.07	3.31e-04	0.0	-2.60e-05
802	68	-4.69e-03	2.45e-03	-0.05	-2.06e-05	0.0	-2.19e-05
802	80	-4.60e-03	-0.10	-0.05	1.70e-04	0.0	-2.13e-05
802	88	-3.98e-03	-0.12	-0.05	2.24e-04	0.0	-1.83e-05
802	98	-3.71e-03	-0.04	-0.04	6.08e-05	0.0	-1.77e-05
802	105	-3.50e-03	-0.05	-0.04	8.95e-05	0.0	-1.67e-05
802	107	-3.49e-03	-0.04	-0.04	5.76e-05	0.0	-1.68e-05
802	108	0.55	-0.04	-0.18	6.23e-05	0.0	-7.02e-05
802	115	-0.70	-0.02	0.09	2.98e-05	0.0	3.78e-05
802	129	0.38	-0.78	-0.02	1.49e-03	0.0	-1.11e-05
802	140	0.62	-0.04	-0.20	6.34e-05	0.0	-7.69e-05
802	147	-0.78	-0.02	0.11	2.54e-05	0.0	4.47e-05
802	161	0.43	-0.88	-0.02	1.67e-03	0.0	-1.05e-05
802	172	0.62	-0.04	-0.19	6.52e-05	0.0	-7.64e-05
802	179	-0.78	-0.01	0.11	2.03e-05	0.0	4.44e-05
802	193	0.44	-0.87	-0.02	1.66e-03	0.0	-1.17e-05
802	204	0.73	-0.05	-0.22	6.94e-05	0.0	-8.67e-05
802	211	-0.92	-7.78e-03	0.13	8.70e-06	0.0	5.51e-05
802	225	0.52	-1.01	-0.02	1.93e-03	0.0	-1.13e-05
803	4	-6.60e-03	0.03	-0.15	-6.79e-05	0.0	-5.70e-05

803	28	-6.20e-03	-0.27	-0.15	2.21e-04	0.0	-5.63e-05
803	44	-5.31e-03	-0.36	-0.13	3.08e-04	0.0	-4.83e-05
803	68	-4.56e-03	0.01	-0.11	-4.30e-05	0.0	-3.97e-05
803	80	-4.29e-03	-0.19	-0.11	1.50e-04	0.0	-3.93e-05
803	88	-3.69e-03	-0.24	-0.09	2.07e-04	0.0	-3.40e-05
803	98	-3.44e-03	-0.07	-0.09	4.34e-05	0.0	-3.24e-05
803	105	-3.25e-03	-0.10	-0.08	7.34e-05	0.0	-3.06e-05
803	107	-3.24e-03	-0.07	-0.08	4.11e-05	0.0	-3.07e-05
803	108	1.13	-0.08	-0.30	4.57e-05	0.0	-1.39e-04
803	115	-1.41	-0.03	0.13	1.33e-05	0.0	8.01e-05
803	129	0.78	-1.57	-0.04	1.48e-03	0.0	-2.14e-05
803	140	1.27	-0.08	-0.33	4.68e-05	0.0	-1.53e-04
803	147	-1.59	-0.03	0.15	8.87e-06	0.0	9.42e-05
803	161	0.88	-1.76	-0.04	1.66e-03	0.0	-2.04e-05
803	172	1.27	-0.08	-0.33	4.87e-05	0.0	-1.52e-04
803	179	-1.59	-0.02	0.15	3.65e-06	0.0	9.36e-05
803	193	0.89	-1.75	-0.04	1.65e-03	0.0	-2.23e-05
803	204	1.49	-0.08	-0.37	5.30e-05	0.0	-1.73e-04
803	211	-1.87	-8.65e-03	0.19	-7.99e-06	0.0	1.15e-04
803	225	1.06	-2.03	-0.04	1.92e-03	0.0	-2.17e-05
804	19	-1.27e-03	0.32	-0.08	-2.31e-04	0.0	-2.37e-05
804	28	1.42e-04	-0.38	-0.23	1.75e-04	0.0	-7.52e-05
804	44	1.19e-04	-0.51	-0.20	2.68e-04	0.0	-6.55e-05
804	72	-8.26e-04	0.19	-0.08	-1.50e-04	0.0	-2.61e-05
804	80	9.73e-05	-0.26	-0.16	1.17e-04	0.0	-5.25e-05
804	88	8.19e-05	-0.35	-0.14	1.79e-04	0.0	-4.60e-05
804	98	7.87e-05	-0.09	-0.13	1.66e-05	0.0	-4.27e-05
804	102	-1.23e-04	-5.92e-03	-0.08	-2.15e-05	0.0	-2.68e-05
804	105	7.29e-05	-0.13	-0.13	4.81e-05	0.0	-4.05e-05
804	107	7.51e-05	-0.08	-0.13	1.58e-05	0.0	-4.04e-05
804	108	1.70	-0.10	-0.38	2.00e-05	0.0	-2.06e-04
804	112	2.12	-0.13	-0.37	4.33e-05	0.0	-2.07e-04
804	129	1.18	-2.35	-0.07	1.46e-03	0.0	-2.96e-05
804	140	1.92	-0.10	-0.42	2.11e-05	0.0	-2.27e-04
804	144	2.39	-0.14	-0.40	4.77e-05	0.0	-2.29e-04
804	161	1.34	-2.63	-0.07	1.64e-03	0.0	-2.84e-05
804	172	1.92	-0.10	-0.41	2.29e-05	0.0	-2.26e-04
804	176	2.39	-0.15	-0.40	5.29e-05	0.0	-2.28e-04
804	193	1.35	-2.62	-0.07	1.63e-03	0.0	-3.02e-05
804	204	2.26	-0.11	-0.46	2.71e-05	0.0	-2.58e-04
804	208	2.82	-0.17	-0.45	6.45e-05	0.0	-2.60e-04
804	225	1.61	-3.04	-0.06	1.90e-03	0.0	-2.94e-05
805	4	0.02	0.14	-0.32	-1.77e-04	0.0	-7.99e-05
805	28	0.02	-0.46	-0.32	1.09e-04	0.0	-8.36e-05
805	44	0.02	-0.65	-0.28	2.09e-04	0.0	-7.38e-05
805	68	0.01	0.09	-0.23	-1.19e-04	0.0	-5.58e-05
805	80	0.01	-0.31	-0.22	7.14e-05	0.0	-5.83e-05
805	88	0.01	-0.44	-0.19	1.38e-04	0.0	-5.17e-05
805	98	0.01	-0.09	-0.19	-1.98e-05	0.0	-4.68e-05
805	105	0.01	-0.15	-0.18	1.31e-05	0.0	-4.48e-05
805	107	0.01	-0.09	-0.18	-1.87e-05	0.0	-4.44e-05
805	108	2.33	-0.10	-0.43	-1.32e-05	0.0	-2.68e-04
805	112	2.90	-0.15	-0.41	9.60e-06	0.0	-2.68e-04
805	129	1.62	-3.11	-0.11	1.40e-03	0.0	-2.94e-05
805	140	2.62	-0.11	-0.46	-1.20e-05	0.0	-2.96e-04
805	144	3.27	-0.16	-0.44	1.41e-05	0.0	-2.96e-04
805	161	1.83	-3.49	-0.10	1.58e-03	0.0	-2.76e-05
805	172	2.62	-0.11	-0.46	-1.02e-05	0.0	-2.95e-04
805	176	3.27	-0.18	-0.44	1.92e-05	0.0	-2.95e-04
805	193	1.85	-3.47	-0.10	1.57e-03	0.0	-2.87e-05
805	204	3.08	-0.12	-0.51	-5.81e-06	0.0	-3.39e-04
805	208	3.84	-0.20	-0.49	3.08e-05	0.0	-3.39e-04
805	225	2.20	-4.04	-0.09	1.83e-03	0.0	-2.69e-05
806	4	0.02	0.24	-0.37	-2.28e-04	0.0	-5.10e-05
806	28	0.02	-0.49	-0.36	5.18e-05	0.0	-5.19e-05
806	44	0.02	-0.72	-0.31	1.57e-04	0.0	-4.51e-05
806	68	0.01	0.15	-0.26	-1.55e-04	0.0	-3.56e-05
806	80	0.01	-0.33	-0.25	3.18e-05	0.0	-3.62e-05
806	88	0.01	-0.48	-0.22	1.02e-04	0.0	-3.17e-05
806	98	0.01	-0.07	-0.21	-5.06e-05	0.0	-2.96e-05
806	105	9.83e-03	-0.15	-0.20	-1.68e-05	0.0	-2.81e-05
806	107	9.82e-03	-0.07	-0.20	-4.80e-05	0.0	-2.80e-05
806	108	2.67	-0.09	-0.45	-4.04e-05	0.0	-2.42e-04
806	112	3.33	-0.15	-0.43	-1.84e-05	0.0	-2.96e-04
806	129	1.86	-3.70	-0.12	1.34e-03	0.0	-1.91e-04

806	140	3.01	-0.09	-0.48	-3.89e-05	0.0	-2.69e-04
806	144	3.75	-0.16	-0.46	-1.39e-05	0.0	-3.30e-04
806	161	2.10	-4.16	-0.11	1.51e-03	0.0	-2.12e-04
806	172	3.01	-0.10	-0.48	-3.71e-05	0.0	-2.67e-04
806	176	3.75	-0.17	-0.46	-8.75e-06	0.0	-3.29e-04
806	193	2.13	-4.12	-0.12	1.50e-03	0.0	-2.15e-04
806	204	3.54	-0.11	-0.52	-3.23e-05	0.0	-3.08e-04
806	208	4.41	-0.21	-0.50	3.05e-06	0.0	-3.81e-04
806	225	2.53	-4.81	-0.11	1.76e-03	0.0	-2.52e-04
807	4	0.02	0.35	-0.43	-2.63e-04	0.0	-2.71e-05
807	28	0.02	-0.49	-0.42	1.22e-05	0.0	-2.48e-05
807	44	0.01	-0.77	-0.36	1.21e-04	0.0	-2.02e-05
807	68	0.01	0.23	-0.30	-1.79e-04	0.0	-1.89e-05
807	80	0.01	-0.33	-0.29	4.20e-06	0.0	-1.73e-05
807	88	0.01	-0.51	-0.25	7.66e-05	0.0	-1.43e-05
807	98	9.69e-03	-0.04	-0.24	-7.18e-05	0.0	-1.51e-05
807	105	9.15e-03	-0.13	-0.23	-3.75e-05	0.0	-1.39e-05
807	107	9.15e-03	-0.04	-0.23	-6.81e-05	0.0	-1.43e-05
807	108	3.06	-0.07	-0.49	-5.84e-05	0.0	-2.66e-04
807	112	3.81	-0.13	-0.47	-3.75e-05	0.0	-3.29e-04
807	129	2.13	-4.26	-0.14	1.30e-03	0.0	-2.04e-04
807	140	3.44	-0.07	-0.52	-5.67e-05	0.0	-2.98e-04
807	144	4.29	-0.15	-0.50	-3.27e-05	0.0	-3.69e-04
807	161	2.40	-4.80	-0.13	1.47e-03	0.0	-2.28e-04
807	172	3.44	-0.08	-0.52	-5.48e-05	0.0	-2.96e-04
807	176	4.29	-0.16	-0.49	-2.76e-05	0.0	-3.68e-04
807	193	2.43	-4.76	-0.14	1.46e-03	0.0	-2.32e-04
807	204	4.05	-0.09	-0.57	-4.97e-05	0.0	-3.44e-04
807	208	5.05	-0.20	-0.54	-1.56e-05	0.0	-4.30e-04
807	225	2.89	-5.56	-0.12	1.71e-03	0.0	-2.74e-04
808	4	0.01	0.48	-0.52	8.99e-05	0.0	-3.52e-06
808	43	0.01	-0.81	-0.40	2.43e-04	0.0	0.0
808	52	0.01	-1.77e-03	-0.51	1.63e-04	0.0	-2.58e-06
808	68	8.80e-03	0.32	-0.36	6.52e-05	0.0	-2.42e-06
808	87	8.11e-03	-0.54	-0.29	1.67e-04	0.0	0.0
808	92	9.84e-03	-1.19e-03	-0.36	1.14e-04	0.0	-1.80e-06
808	98	8.11e-03	-9.41e-04	-0.29	9.35e-05	0.0	-1.51e-06
808	105	7.68e-03	-0.11	-0.28	1.03e-04	0.0	-1.09e-06
808	107	7.68e-03	-8.42e-04	-0.28	8.87e-05	0.0	-1.43e-06
808	108	3.44	-0.04	-0.55	-2.03e-05	0.0	-3.51e-04
808	112	4.28	-0.11	-0.53	1.81e-05	0.0	-4.32e-04
808	129	2.39	-4.81	-0.18	1.49e-03	0.0	-2.56e-04
808	140	3.87	-0.04	-0.59	-3.38e-05	0.0	-3.95e-04
808	144	4.83	-0.13	-0.56	9.73e-06	0.0	-4.87e-04
808	161	2.70	-5.41	-0.17	1.67e-03	0.0	-2.89e-04
808	172	3.87	-0.05	-0.58	-3.79e-05	0.0	-3.94e-04
808	176	4.83	-0.15	-0.56	8.07e-06	0.0	-4.88e-04
808	193	2.73	-5.37	-0.17	1.65e-03	0.0	-2.97e-04
808	204	4.55	-0.07	-0.64	-6.05e-05	0.0	-4.63e-04
808	208	5.67	-0.19	-0.61	-5.16e-06	0.0	-5.75e-04
808	225	3.25	-6.28	-0.16	1.91e-03	0.0	-3.56e-04
809	4	0.02	0.31	-0.23	-1.86e-04	0.0	7.54e-05
809	28	0.02	-0.41	-0.22	9.27e-05	0.0	8.71e-05
809	44	0.02	-0.64	-0.19	1.92e-04	0.0	8.05e-05
809	68	0.01	0.20	-0.16	-1.25e-04	0.0	5.27e-05
809	80	0.02	-0.27	-0.16	6.04e-05	0.0	6.06e-05
809	88	0.01	-0.43	-0.14	1.27e-04	0.0	5.61e-05
809	98	0.01	-0.03	-0.13	-2.68e-05	0.0	4.60e-05
809	105	0.01	-0.11	-0.13	5.63e-06	0.0	4.50e-05
809	107	0.01	-0.03	-0.13	-2.54e-05	0.0	4.36e-05
809	112	3.32	-0.34	-0.06	8.38e-05	0.0	-1.83e-04
809	114	-2.64	2.14	-0.23	-8.29e-04	0.0	3.29e-04
809	129	1.85	-3.74	-0.08	1.35e-03	0.0	-1.31e-04
809	144	3.74	-0.38	-0.05	9.85e-05	0.0	-2.11e-04
809	146	-2.97	2.42	-0.24	-9.30e-04	0.0	3.65e-04
809	161	2.09	-4.21	-0.07	1.52e-03	0.0	-1.54e-04
809	176	3.74	-0.39	-0.05	1.04e-04	0.0	-2.09e-04
809	178	-2.97	2.39	-0.24	-9.19e-04	0.0	3.64e-04
809	193	2.12	-4.19	-0.07	1.51e-03	0.0	-1.56e-04
809	208	4.40	-0.47	-0.04	1.31e-04	0.0	-2.53e-04
809	210	-3.49	2.79	-0.26	-1.07e-03	0.0	4.19e-04
809	225	2.52	-4.89	-0.06	1.78e-03	0.0	-1.94e-04
810	4	0.04	0.23	-0.22	-1.86e-04	0.0	1.05e-04
810	28	0.04	-0.37	-0.22	9.28e-05	0.0	1.17e-04
810	44	0.03	-0.56	-0.19	1.92e-04	0.0	1.07e-04

810	68	0.03	0.15	-0.16	-1.25e-04	0.0	7.34e-05
810	80	0.03	-0.25	-0.15	6.04e-05	0.0	8.16e-05
810	88	0.02	-0.37	-0.13	1.27e-04	0.0	7.47e-05
810	98	0.02	-0.04	-0.13	-2.67e-05	0.0	6.31e-05
810	105	0.02	-0.10	-0.12	5.70e-06	0.0	6.13e-05
810	107	0.02	-0.04	-0.13	-2.53e-05	0.0	5.98e-05
810	112	2.93	-0.30	-0.06	8.41e-05	0.0	-1.37e-04
810	114	-2.31	1.78	-0.23	-8.30e-04	0.0	3.08e-04
810	129	1.64	-3.16	-0.07	1.35e-03	0.0	-9.65e-05
810	144	3.30	-0.33	-0.05	9.89e-05	0.0	-1.61e-04
810	146	-2.60	2.01	-0.24	-9.31e-04	0.0	3.40e-04
810	161	1.85	-3.55	-0.07	1.52e-03	0.0	-1.17e-04
810	176	3.30	-0.35	-0.05	1.04e-04	0.0	-1.60e-04
810	178	-2.60	1.99	-0.24	-9.20e-04	0.0	3.38e-04
810	193	1.88	-3.53	-0.07	1.52e-03	0.0	-1.17e-04
810	208	3.88	-0.41	-0.04	1.32e-04	0.0	-1.97e-04
810	210	-3.06	2.33	-0.26	-1.07e-03	0.0	3.87e-04
810	225	2.23	-4.12	-0.06	1.78e-03	0.0	-1.51e-04
811	4	0.02	0.39	-0.23	-1.86e-04	0.0	3.60e-05
811	28	0.02	-0.45	-0.22	9.24e-05	0.0	4.61e-05
811	44	0.02	-0.73	-0.19	1.92e-04	0.0	4.43e-05
811	68	0.01	0.26	-0.16	-1.26e-04	0.0	2.52e-05
811	80	0.01	-0.30	-0.16	6.02e-05	0.0	3.19e-05
811	88	0.01	-0.48	-0.14	1.26e-04	0.0	3.08e-05
811	98	0.01	-0.02	-0.13	-2.70e-05	0.0	2.30e-05
811	105	9.66e-03	-0.11	-0.13	5.47e-06	0.0	2.30e-05
811	107	9.63e-03	-0.02	-0.13	-2.56e-05	0.0	2.18e-05
811	112	3.81	-0.37	-0.06	8.28e-05	0.0	-3.03e-04
811	114	-3.03	2.50	-0.23	-8.27e-04	0.0	2.80e-04
811	129	2.13	-4.33	-0.08	1.35e-03	0.0	-1.74e-04
811	144	4.29	-0.42	-0.05	9.74e-05	0.0	-3.45e-04
811	146	-3.42	2.82	-0.24	-9.28e-04	0.0	3.12e-04
811	161	2.40	-4.87	-0.07	1.52e-03	0.0	-1.99e-04
811	176	4.29	-0.43	-0.05	1.03e-04	0.0	-3.44e-04
811	178	-3.41	2.78	-0.24	-9.17e-04	0.0	3.10e-04
811	193	2.43	-4.84	-0.07	1.51e-03	0.0	-2.02e-04
811	208	5.04	-0.52	-0.04	1.30e-04	0.0	-4.08e-04
811	210	-4.01	3.25	-0.26	-1.07e-03	0.0	3.59e-04
811	225	2.89	-5.66	-0.06	1.77e-03	0.0	-2.45e-04
812	4	0.01	0.47	-0.23	-1.87e-04	0.0	-3.75e-06
812	28	0.01	-0.49	-0.22	9.24e-05	0.0	4.00e-06
812	44	0.01	-0.81	-0.19	1.92e-04	0.0	6.92e-06
812	68	8.37e-03	0.31	-0.16	-1.26e-04	0.0	-2.56e-06
812	80	9.56e-03	-0.33	-0.16	6.01e-05	0.0	2.60e-06
812	88	8.35e-03	-0.54	-0.14	1.26e-04	0.0	4.55e-06
812	98	7.81e-03	-5.31e-03	-0.13	-2.71e-05	0.0	0.0
812	105	7.42e-03	-0.11	-0.13	5.41e-06	0.0	0.0
812	107	7.39e-03	-5.01e-03	-0.13	-2.56e-05	0.0	0.0
812	112	4.28	-0.41	-0.06	8.19e-05	0.0	-3.61e-04
812	114	-3.41	2.86	-0.23	-8.25e-04	0.0	2.84e-04
812	129	2.39	-4.91	-0.08	1.34e-03	0.0	-2.16e-04
812	144	4.82	-0.46	-0.05	9.64e-05	0.0	-4.06e-04
812	146	-3.85	3.22	-0.24	-9.25e-04	0.0	3.20e-04
812	161	2.70	-5.53	-0.07	1.52e-03	0.0	-2.44e-04
812	176	4.83	-0.48	-0.05	1.02e-04	0.0	-4.05e-04
812	178	-3.84	3.18	-0.24	-9.15e-04	0.0	3.18e-04
812	193	2.73	-5.49	-0.07	1.51e-03	0.0	-2.47e-04
812	208	5.67	-0.58	-0.04	1.29e-04	0.0	-4.77e-04
812	210	-4.52	3.71	-0.26	-1.06e-03	0.0	3.73e-04
812	225	3.25	-6.43	-0.06	1.77e-03	0.0	-2.95e-04
813	4	0.02	0.28	-0.32	-2.23e-04	0.0	7.84e-05
813	28	0.02	-0.45	-0.31	5.41e-05	0.0	9.05e-05
813	44	0.02	-0.68	-0.27	1.58e-04	0.0	8.36e-05
813	68	0.01	0.18	-0.22	-1.51e-04	0.0	5.48e-05
813	80	0.02	-0.30	-0.22	3.35e-05	0.0	6.29e-05
813	88	0.01	-0.45	-0.19	1.03e-04	0.0	5.83e-05
813	98	0.01	-0.05	-0.19	-4.84e-05	0.0	4.78e-05
813	105	0.01	-0.13	-0.18	-1.51e-05	0.0	4.68e-05
813	107	0.01	-0.05	-0.18	-4.59e-05	0.0	4.53e-05
813	112	3.32	-0.24	-0.26	2.47e-05	0.0	-1.81e-04
813	124	-0.17	2.94	-0.27	-1.16e-03	0.0	6.55e-05
813	129	1.86	-3.72	-0.12	1.33e-03	0.0	-1.30e-04
813	144	3.74	-0.27	-0.27	3.45e-05	0.0	-2.10e-04
813	156	-0.20	3.31	-0.28	-1.30e-03	0.0	6.82e-05
813	161	2.09	-4.18	-0.12	1.50e-03	0.0	-1.52e-04

813	176	3.74	-0.28	-0.26	3.96e-05	0.0	-2.08e-04
813	188	-0.20	3.28	-0.28	-1.29e-03	0.0	6.81e-05
813	193	2.12	-4.15	-0.12	1.49e-03	0.0	-1.54e-04
813	204	3.53	-0.23	-0.29	2.36e-05	0.0	-2.52e-04
813	208	4.40	-0.34	-0.28	5.96e-05	0.0	-2.51e-04
813	225	2.52	-4.85	-0.11	1.75e-03	0.0	-1.93e-04
814	4	0.03	0.18	-0.32	-2.22e-04	0.0	9.82e-05
814	28	0.04	-0.42	-0.31	5.56e-05	0.0	1.10e-04
814	44	0.03	-0.61	-0.27	1.59e-04	0.0	9.99e-05
814	68	0.02	0.12	-0.22	-1.50e-04	0.0	6.86e-05
814	80	0.03	-0.29	-0.22	3.45e-05	0.0	7.63e-05
814	88	0.02	-0.41	-0.19	1.04e-04	0.0	6.97e-05
814	98	0.02	-0.07	-0.18	-4.76e-05	0.0	5.90e-05
814	105	0.02	-0.13	-0.17	-1.43e-05	0.0	5.72e-05
814	107	0.02	-0.07	-0.17	-4.52e-05	0.0	5.59e-05
814	112	2.94	-0.23	-0.25	2.53e-05	0.0	-1.46e-04
814	124	-0.15	2.44	-0.27	-1.16e-03	0.0	8.25e-05
814	129	1.65	-3.14	-0.12	1.33e-03	0.0	-1.08e-04
814	144	3.31	-0.25	-0.26	3.51e-05	0.0	-1.71e-04
814	156	-0.17	2.75	-0.28	-1.30e-03	0.0	8.59e-05
814	161	1.86	-3.53	-0.11	1.50e-03	0.0	-1.29e-04
814	176	3.31	-0.26	-0.26	4.03e-05	0.0	-1.69e-04
814	188	-0.17	2.72	-0.28	-1.29e-03	0.0	8.52e-05
814	193	1.88	-3.51	-0.11	1.49e-03	0.0	-1.30e-04
814	208	3.89	-0.31	-0.28	6.02e-05	0.0	-2.08e-04
814	220	-0.20	3.18	-0.29	-1.49e-03	0.0	9.15e-05
814	225	2.23	-4.09	-0.10	1.75e-03	0.0	-1.65e-04
815	4	0.02	0.37	-0.32	-2.27e-04	0.0	4.01e-05
815	28	0.02	-0.47	-0.32	4.92e-05	0.0	5.08e-05
815	44	0.02	-0.74	-0.27	1.54e-04	0.0	4.86e-05
815	68	0.01	0.25	-0.23	-1.54e-04	0.0	2.81e-05
815	80	0.01	-0.31	-0.22	3.00e-05	0.0	3.52e-05
815	88	0.01	-0.50	-0.19	9.96e-05	0.0	3.38e-05
815	98	0.01	-0.03	-0.19	-5.11e-05	0.0	2.55e-05
815	105	9.73e-03	-0.12	-0.18	-1.76e-05	0.0	2.55e-05
815	107	9.72e-03	-0.03	-0.18	-4.84e-05	0.0	2.41e-05
815	112	3.81	-0.25	-0.26	2.25e-05	0.0	-3.00e-04
815	124	-0.20	3.44	-0.27	-1.16e-03	0.0	4.25e-05
815	129	2.13	-4.29	-0.13	1.32e-03	0.0	-1.71e-04
815	140	3.44	-0.20	-0.28	7.50e-06	0.0	-2.67e-04
815	144	4.29	-0.28	-0.27	3.23e-05	0.0	-3.42e-04
815	161	2.40	-4.83	-0.12	1.49e-03	0.0	-1.96e-04
815	172	3.44	-0.20	-0.28	9.06e-06	0.0	-2.66e-04
815	176	4.29	-0.30	-0.26	3.75e-05	0.0	-3.41e-04
815	193	2.43	-4.80	-0.12	1.48e-03	0.0	-1.99e-04
815	204	4.05	-0.24	-0.29	2.18e-05	0.0	-3.16e-04
815	208	5.05	-0.36	-0.28	5.75e-05	0.0	-4.05e-04
815	225	2.89	-5.61	-0.11	1.74e-03	0.0	-2.42e-04
816	4	0.01	0.47	-0.32	-2.31e-04	0.0	-3.05e-06
816	28	0.01	-0.49	-0.32	4.50e-05	0.0	4.26e-06
816	44	0.01	-0.81	-0.27	1.50e-04	0.0	6.92e-06
816	68	8.30e-03	0.32	-0.23	-1.57e-04	0.0	-2.09e-06
816	80	9.42e-03	-0.33	-0.22	2.71e-05	0.0	2.79e-06
816	88	8.20e-03	-0.54	-0.19	9.69e-05	0.0	4.57e-06
816	98	7.73e-03	-3.12e-03	-0.19	-5.33e-05	0.0	0.0
816	105	7.33e-03	-0.11	-0.18	-1.98e-05	0.0	0.0
816	107	7.32e-03	-2.92e-03	-0.18	-5.05e-05	0.0	0.0
816	112	4.28	-0.26	-0.25	2.09e-05	0.0	-3.60e-04
816	124	-0.23	3.94	-0.27	-1.16e-03	0.0	1.90e-05
816	129	2.39	-4.86	-0.13	1.31e-03	0.0	-2.15e-04
816	144	4.82	-0.30	-0.26	3.08e-05	0.0	-4.06e-04
816	156	-0.26	4.44	-0.28	-1.30e-03	0.0	2.17e-05
816	161	2.69	-5.47	-0.12	1.48e-03	0.0	-2.43e-04
816	172	3.87	-0.21	-0.27	7.67e-06	0.0	-3.22e-04
816	176	4.82	-0.31	-0.26	3.59e-05	0.0	-4.05e-04
816	193	2.73	-5.43	-0.12	1.47e-03	0.0	-2.47e-04
816	204	4.55	-0.25	-0.29	2.06e-05	0.0	-3.77e-04
816	208	5.67	-0.38	-0.28	5.60e-05	0.0	-4.76e-04
816	225	3.25	-6.35	-0.11	1.73e-03	0.0	-2.95e-04
817	4	-6.52e-03	0.04	-0.04	-7.99e-05	0.0	-3.03e-05
817	44	-5.54e-03	-0.16	-0.04	2.94e-04	0.0	-2.46e-05
817	68	-4.51e-03	0.02	-0.03	-5.14e-05	0.0	-2.11e-05
817	88	-3.86e-03	-0.11	-0.03	1.98e-04	0.0	-1.73e-05
817	98	-3.57e-03	-0.02	-0.03	3.57e-05	0.0	-1.70e-05
817	105	-3.38e-03	-0.04	-0.02	6.58e-05	0.0	-1.59e-05

817	107	-3.36e-03	-0.02	-0.02	3.38e-05	0.0	-1.61e-05
817	115	-0.70	-0.05	-0.02	9.01e-05	0.0	3.79e-05
817	124	-0.04	0.62	-0.04	-1.18e-03	0.0	-5.06e-05
817	129	0.38	-0.76	-9.16e-03	1.44e-03	0.0	-9.90e-06
817	147	-0.79	-0.05	-0.01	9.64e-05	0.0	4.48e-05
817	156	-0.05	0.70	-0.05	-1.33e-03	0.0	-5.49e-05
817	161	0.43	-0.85	-7.23e-03	1.62e-03	0.0	-9.25e-06
817	179	-0.79	-0.05	-0.01	9.10e-05	0.0	4.45e-05
817	188	-0.05	0.69	-0.04	-1.32e-03	0.0	-5.41e-05
817	193	0.44	-0.85	-7.39e-03	1.61e-03	0.0	-1.04e-05
817	211	-0.92	-0.05	-0.01	9.60e-05	0.0	5.50e-05
817	220	-0.06	0.81	-0.05	-1.54e-03	0.0	-6.06e-05
817	225	0.52	-0.99	-4.57e-03	1.87e-03	0.0	-1.00e-05
818	1	0.0	0.0	0.0	-1.08e-04	0.0	-1.83e-06
818	65	0.0	0.0	0.0	-6.99e-05	0.0	-1.33e-06
818	97	0.0	0.0	0.0	2.49e-05	0.0	-1.29e-06
818	106	0.0	0.0	0.0	2.49e-05	0.0	-1.29e-06
818	108	0.0	0.0	0.0	-3.79e-05	0.0	-5.21e-06
818	140	0.0	0.0	0.0	-4.69e-05	0.0	-5.62e-06
818	172	0.0	0.0	0.0	-4.43e-05	0.0	-5.59e-06
818	204	0.0	0.0	0.0	-5.53e-05	0.0	-6.22e-06
819	4	-6.28e-03	0.08	-0.09	-9.99e-05	0.0	-5.40e-05
819	44	-5.08e-03	-0.31	-0.07	2.78e-04	0.0	-4.57e-05
819	68	-4.33e-03	0.05	-0.06	-6.53e-05	0.0	-3.76e-05
819	88	-3.53e-03	-0.21	-0.05	1.86e-04	0.0	-3.21e-05
819	98	-3.27e-03	-0.04	-0.05	2.46e-05	0.0	-3.07e-05
819	105	-3.09e-03	-0.07	-0.05	5.53e-05	0.0	-2.89e-05
819	107	-3.07e-03	-0.04	-0.05	2.33e-05	0.0	-2.91e-05
819	115	-1.41	-0.10	-0.03	7.92e-05	0.0	8.19e-05
819	124	-0.08	1.24	-0.08	-1.19e-03	0.0	-9.73e-05
819	129	0.78	-1.52	-0.02	1.43e-03	0.0	-2.00e-05
819	147	-1.59	-0.10	-0.03	8.54e-05	0.0	9.60e-05
819	156	-0.09	1.40	-0.09	-1.34e-03	0.0	-1.06e-04
819	161	0.88	-1.70	-0.02	1.60e-03	0.0	-1.91e-05
819	179	-1.59	-0.10	-0.03	8.00e-05	0.0	9.54e-05
819	188	-0.09	1.38	-0.08	-1.32e-03	0.0	-1.05e-04
819	193	0.89	-1.69	-0.02	1.59e-03	0.0	-2.09e-05
819	211	-1.87	-0.10	-0.03	8.49e-05	0.0	1.17e-04
819	220	-0.11	1.62	-0.09	-1.54e-03	0.0	-1.18e-04
819	225	1.06	-1.97	-0.01	1.85e-03	0.0	-2.04e-05
820	4	-9.15e-04	0.14	-0.13	-1.29e-04	0.0	-6.87e-05
820	17	-1.38e-03	0.30	-0.11	-2.27e-04	0.0	-5.51e-05
820	44	-1.78e-04	-0.45	-0.11	2.52e-04	0.0	-6.05e-05
820	68	-6.07e-04	0.09	-0.09	-8.57e-05	0.0	-4.79e-05
820	74	-9.14e-04	0.20	-0.08	-1.51e-04	0.0	-3.88e-05
820	88	-1.15e-04	-0.30	-0.08	1.69e-04	0.0	-4.25e-05
820	98	-7.32e-05	-0.05	-0.08	7.81e-06	0.0	-3.96e-05
820	103	-2.30e-04	3.23e-03	-0.07	-2.44e-05	0.0	-3.74e-05
820	105	-7.13e-05	-0.10	-0.07	3.94e-05	0.0	-3.76e-05
820	107	-6.20e-05	-0.05	-0.07	7.39e-06	0.0	-3.75e-05
820	115	-2.13	-0.13	-0.05	6.28e-05	0.0	1.30e-04
820	124	-0.12	1.87	-0.12	-1.19e-03	0.0	-1.38e-04
820	129	1.19	-2.26	-0.03	1.40e-03	0.0	-2.69e-05
820	147	-2.40	-0.14	-0.04	6.90e-05	0.0	1.51e-04
820	156	-0.14	2.10	-0.12	-1.34e-03	0.0	-1.51e-04
820	161	1.34	-2.54	-0.03	1.58e-03	0.0	-2.58e-05
820	179	-2.40	-0.14	-0.05	6.36e-05	0.0	1.50e-04
820	188	-0.14	2.08	-0.12	-1.33e-03	0.0	-1.50e-04
820	193	1.36	-2.52	-0.03	1.56e-03	0.0	-2.76e-05
820	211	-2.82	-0.14	-0.04	6.83e-05	0.0	1.83e-04
820	220	-0.16	2.43	-0.13	-1.55e-03	0.0	-1.71e-04
820	225	1.62	-2.93	-0.02	1.82e-03	0.0	-2.68e-05
821	4	0.01	0.21	-0.18	-1.64e-04	0.0	-7.16e-05
821	28	0.01	-0.39	-0.17	1.22e-04	0.0	-7.41e-05
821	44	0.01	-0.58	-0.15	2.20e-04	0.0	-6.50e-05
821	68	7.70e-03	0.14	-0.13	-1.10e-04	0.0	-5.00e-05
821	80	8.45e-03	-0.26	-0.12	8.05e-05	0.0	-5.17e-05
821	88	7.26e-03	-0.39	-0.11	1.46e-04	0.0	-4.56e-05
821	98	6.84e-03	-0.05	-0.10	-1.23e-05	0.0	-4.18e-05
821	105	6.44e-03	-0.11	-0.10	2.02e-05	0.0	-3.98e-05
821	107	6.44e-03	-0.05	-0.10	-1.17e-05	0.0	-3.96e-05
821	112	2.86	0.07	-0.13	-6.66e-05	0.0	-2.63e-04
821	124	-0.15	2.49	-0.16	-1.20e-03	0.0	-1.74e-04
821	129	1.60	-2.99	-0.05	1.36e-03	0.0	-2.66e-05
821	144	3.22	0.08	-0.13	-7.27e-05	0.0	-2.92e-04

821	156	-0.18	2.81	-0.17	-1.34e-03	0.0	-1.92e-04
821	161	1.80	-3.36	-0.04	1.54e-03	0.0	-2.50e-05
821	176	3.22	0.07	-0.13	-6.74e-05	0.0	-2.91e-04
821	188	-0.18	2.78	-0.16	-1.33e-03	0.0	-1.92e-04
821	193	1.83	-3.33	-0.04	1.52e-03	0.0	-2.65e-05
821	208	3.79	0.08	-0.14	-7.21e-05	0.0	-3.35e-04
821	220	-0.21	3.24	-0.18	-1.55e-03	0.0	-2.19e-04
821	225	2.17	-3.88	-0.03	1.78e-03	0.0	-2.53e-05
822	4	-5.97e-03	0.05	-0.03	-1.06e-04	0.0	-2.47e-05
822	44	-5.04e-03	-0.15	-0.03	2.72e-04	0.0	-2.07e-05
822	68	-4.13e-03	0.03	-0.02	-6.96e-05	0.0	-1.72e-05
822	88	-3.51e-03	-0.10	-0.02	1.82e-04	0.0	-1.46e-05
822	98	-3.25e-03	-0.01	-0.02	2.08e-05	0.0	-1.40e-05
822	105	-3.07e-03	-0.03	-0.02	5.17e-05	0.0	-1.32e-05
822	107	-3.05e-03	-0.01	-0.02	1.97e-05	0.0	-1.32e-05
822	115	-0.70	-0.07	-0.01	1.31e-04	0.0	4.16e-05
822	124	-0.04	0.64	-0.02	-1.21e-03	0.0	-4.66e-05
822	129	0.38	-0.75	-9.97e-03	1.41e-03	0.0	-9.20e-06
822	147	-0.79	-0.08	-0.01	1.45e-04	0.0	4.85e-05
822	156	-0.05	0.72	-0.03	-1.37e-03	0.0	-5.08e-05
822	161	0.43	-0.84	-9.12e-03	1.59e-03	0.0	-8.77e-06
822	179	-0.79	-0.08	-0.01	1.39e-04	0.0	4.82e-05
822	188	-0.05	0.71	-0.03	-1.35e-03	0.0	-5.03e-05
822	193	0.44	-0.83	-9.20e-03	1.57e-03	0.0	-9.58e-06
822	211	-0.93	-0.08	-0.01	1.55e-04	0.0	5.90e-05
822	220	-0.06	0.83	-0.03	-1.57e-03	0.0	-5.69e-05
822	225	0.52	-0.97	-7.95e-03	1.83e-03	0.0	-9.37e-06
823	1	0.0	0.0	0.0	-1.22e-04	0.0	-1.50e-06
823	65	0.0	0.0	0.0	-8.04e-05	0.0	-1.09e-06
823	97	0.0	0.0	0.0	1.46e-05	0.0	-1.08e-06
823	106	0.0	0.0	0.0	1.46e-05	0.0	-1.08e-06
823	108	0.0	0.0	0.0	-1.06e-04	0.0	-4.94e-06
823	140	0.0	0.0	0.0	-1.22e-04	0.0	-5.36e-06
823	172	0.0	0.0	0.0	-1.18e-04	0.0	-5.33e-06
823	204	0.0	0.0	0.0	-1.39e-04	0.0	-5.98e-06
824	4	-5.61e-03	0.11	-0.06	-1.18e-04	0.0	-4.40e-05
824	44	-4.49e-03	-0.29	-0.05	2.61e-04	0.0	-3.79e-05
824	68	-3.86e-03	0.07	-0.04	-7.83e-05	0.0	-3.07e-05
824	88	-3.11e-03	-0.19	-0.04	1.74e-04	0.0	-2.66e-05
824	98	-2.87e-03	-0.02	-0.03	1.37e-05	0.0	-2.52e-05
824	105	-2.71e-03	-0.06	-0.03	4.49e-05	0.0	-2.38e-05
824	107	-2.70e-03	-0.02	-0.03	1.30e-05	0.0	-2.39e-05
824	115	-1.41	-0.14	-0.03	1.24e-04	0.0	8.80e-05
824	124	-0.08	1.27	-0.05	-1.21e-03	0.0	-9.12e-05
824	129	0.78	-1.49	-0.02	1.40e-03	0.0	-1.67e-05
824	147	-1.59	-0.15	-0.03	1.37e-04	0.0	1.02e-04
824	156	-0.09	1.44	-0.05	-1.36e-03	0.0	-9.97e-05
824	161	0.88	-1.67	-0.02	1.57e-03	0.0	-1.59e-05
824	179	-1.59	-0.15	-0.03	1.32e-04	0.0	1.02e-04
824	188	-0.09	1.42	-0.05	-1.35e-03	0.0	-9.91e-05
824	193	0.89	-1.65	-0.02	1.55e-03	0.0	-1.72e-05
824	211	-1.87	-0.16	-0.03	1.48e-04	0.0	1.24e-04
824	220	-0.11	1.65	-0.05	-1.57e-03	0.0	-1.12e-04
824	225	1.06	-1.93	-0.01	1.81e-03	0.0	-1.68e-05
825	4	-1.56e-04	0.18	-0.09	-1.37e-04	0.0	-5.55e-05
825	19	-9.76e-04	0.36	-0.04	-2.35e-04	0.0	-1.79e-05
825	44	4.54e-04	-0.42	-0.07	2.44e-04	0.0	-4.89e-05
825	68	-7.59e-05	0.12	-0.06	-9.10e-05	0.0	-3.88e-05
825	72	-5.47e-04	0.23	-0.04	-1.56e-04	0.0	-1.97e-05
825	88	3.31e-04	-0.28	-0.05	1.63e-04	0.0	-3.44e-05
825	98	3.63e-04	-0.03	-0.05	3.17e-06	0.0	-3.20e-05
825	105	3.40e-04	-0.08	-0.05	3.49e-05	0.0	-3.04e-05
825	107	3.51e-04	-0.03	-0.05	2.99e-06	0.0	-3.04e-05
825	112	2.13	0.15	-0.06	-1.07e-04	0.0	-1.98e-04
825	124	-0.12	1.91	-0.07	-1.21e-03	0.0	-1.31e-04
825	129	1.19	-2.22	-0.03	1.37e-03	0.0	-2.08e-05
825	144	2.40	0.17	-0.06	-1.20e-04	0.0	-2.20e-04
825	156	-0.13	2.15	-0.08	-1.36e-03	0.0	-1.44e-04
825	161	1.34	-2.49	-0.03	1.54e-03	0.0	-1.97e-05
825	176	2.40	0.16	-0.06	-1.15e-04	0.0	-2.19e-04
825	188	-0.14	2.12	-0.08	-1.34e-03	0.0	-1.43e-04
825	193	1.36	-2.46	-0.03	1.53e-03	0.0	-2.12e-05
825	208	2.83	0.19	-0.06	-1.30e-04	0.0	-2.52e-04
825	220	-0.16	2.47	-0.08	-1.56e-03	0.0	-1.64e-04
825	225	1.62	-2.87	-0.02	1.78e-03	0.0	-2.05e-05

826	4	0.01	0.25	-0.12	-1.57e-04	0.0	-5.65e-05
826	44	9.41e-03	-0.54	-0.10	2.26e-04	0.0	-5.05e-05
826	52	0.01	-0.05	-0.12	-1.53e-05	0.0	-5.74e-05
826	68	6.97e-03	0.17	-0.09	-1.05e-04	0.0	-3.94e-05
826	88	6.57e-03	-0.36	-0.07	1.50e-04	0.0	-3.55e-05
826	92	7.66e-03	-0.03	-0.09	-1.07e-05	0.0	-4.00e-05
826	98	6.24e-03	-0.03	-0.07	-8.75e-06	0.0	-3.28e-05
826	105	5.88e-03	-0.09	-0.07	2.35e-05	0.0	-3.12e-05
826	107	5.88e-03	-0.03	-0.07	-8.31e-06	0.0	-3.11e-05
826	112	2.85	0.21	-0.08	-1.17e-04	0.0	-2.55e-04
826	124	-0.15	2.54	-0.10	-1.20e-03	0.0	-1.65e-04
826	129	1.59	-2.93	-0.04	1.34e-03	0.0	-1.89e-05
826	144	3.21	0.24	-0.08	-1.30e-04	0.0	-2.84e-04
826	156	-0.18	2.86	-0.10	-1.35e-03	0.0	-1.82e-04
826	161	1.79	-3.29	-0.04	1.51e-03	0.0	-1.74e-05
826	176	3.21	0.22	-0.08	-1.25e-04	0.0	-2.82e-04
826	188	-0.18	2.82	-0.10	-1.33e-03	0.0	-1.82e-04
826	193	1.82	-3.26	-0.04	1.49e-03	0.0	-1.88e-05
826	208	3.77	0.26	-0.08	-1.40e-04	0.0	-3.26e-04
826	220	-0.21	3.29	-0.11	-1.55e-03	0.0	-2.10e-04
826	225	2.16	-3.80	-0.03	1.74e-03	0.0	-1.78e-05
827	4	-5.32e-03	0.06	-0.02	-1.26e-04	0.0	-1.79e-05
827	44	-4.46e-03	-0.14	-0.02	2.54e-04	0.0	-1.55e-05
827	68	-3.67e-03	0.04	-0.02	-8.33e-05	0.0	-1.25e-05
827	88	-3.10e-03	-0.09	-0.01	1.70e-04	0.0	-1.09e-05
827	98	-2.87e-03	-6.07e-03	-0.01	9.54e-06	0.0	-1.03e-05
827	105	-2.71e-03	-0.02	-0.01	4.10e-05	0.0	-9.74e-06
827	107	-2.69e-03	-5.74e-03	-0.01	9.02e-06	0.0	-9.75e-06
827	115	-0.70	-0.09	-0.01	1.77e-04	0.0	4.58e-05
827	128	-0.07	0.65	-0.02	-1.24e-03	0.0	-4.33e-05
827	129	0.39	-0.73	-8.14e-03	1.38e-03	0.0	-6.62e-06
827	147	-0.79	-0.10	-0.01	1.97e-04	0.0	5.29e-05
827	160	-0.08	0.73	-0.02	-1.39e-03	0.0	-4.76e-05
827	161	0.44	-0.82	-7.60e-03	1.56e-03	0.0	-6.26e-06
827	179	-0.79	-0.10	-0.01	1.91e-04	0.0	5.26e-05
827	192	-0.07	0.72	-0.02	-1.37e-03	0.0	-4.80e-05
827	193	0.44	-0.81	-7.66e-03	1.54e-03	0.0	-6.77e-06
827	211	-0.93	-0.12	-0.01	2.18e-04	0.0	6.34e-05
827	224	-0.08	0.84	-0.02	-1.59e-03	0.0	-5.54e-05
827	225	0.53	-0.95	-6.89e-03	1.79e-03	0.0	-6.58e-06
828	1	0.0	0.0	0.0	-1.33e-04	0.0	-1.09e-06
828	65	0.0	0.0	0.0	-8.82e-05	0.0	0.0
828	97	0.0	0.0	0.0	6.76e-06	0.0	0.0
828	106	0.0	0.0	0.0	6.76e-06	0.0	0.0
828	108	0.0	0.0	0.0	-1.71e-04	0.0	-4.59e-06
828	140	0.0	0.0	0.0	-1.93e-04	0.0	-5.02e-06
828	172	0.0	0.0	0.0	-1.90e-04	0.0	-5.00e-06
828	204	0.0	0.0	0.0	-2.21e-04	0.0	-5.66e-06
829	4	-4.83e-03	0.13	-0.04	-1.32e-04	0.0	-3.20e-05
829	44	-3.81e-03	-0.27	-0.04	2.48e-04	0.0	-2.79e-05
829	68	-3.32e-03	0.09	-0.03	-8.78e-05	0.0	-2.23e-05
829	88	-2.64e-03	-0.18	-0.03	1.66e-04	0.0	-1.96e-05
829	98	-2.42e-03	-0.01	-0.03	5.75e-06	0.0	-1.84e-05
829	105	-2.29e-03	-0.04	-0.02	3.74e-05	0.0	-1.74e-05
829	107	-2.27e-03	-0.01	-0.02	5.42e-06	0.0	-1.74e-05
829	115	-1.41	-0.19	-0.02	1.72e-04	0.0	9.55e-05
829	128	-0.14	1.30	-0.03	-1.23e-03	0.0	-8.55e-05
829	129	0.78	-1.46	-0.02	1.37e-03	0.0	-1.13e-05
829	147	-1.59	-0.21	-0.02	1.93e-04	0.0	1.10e-04
829	160	-0.15	1.46	-0.03	-1.38e-03	0.0	-9.43e-05
829	161	0.88	-1.64	-0.01	1.54e-03	0.0	-1.06e-05
829	179	-1.59	-0.20	-0.02	1.87e-04	0.0	1.09e-04
829	192	-0.14	1.44	-0.03	-1.36e-03	0.0	-9.51e-05
829	193	0.90	-1.62	-0.02	1.52e-03	0.0	-1.15e-05
829	211	-1.87	-0.23	-0.02	2.14e-04	0.0	1.31e-04
829	224	-0.16	1.67	-0.04	-1.58e-03	0.0	-1.10e-04
829	225	1.07	-1.89	-0.01	1.77e-03	0.0	-1.11e-05
830	4	7.39e-04	0.20	-0.06	-1.42e-04	0.0	-3.99e-05
830	44	1.19e-03	-0.40	-0.05	2.40e-04	0.0	-3.51e-05
830	52	1.47e-03	-0.02	-0.06	0.0	0.0	-4.03e-05
830	68	5.49e-04	0.13	-0.05	-9.43e-05	0.0	-2.78e-05
830	88	8.53e-04	-0.27	-0.04	1.60e-04	0.0	-2.46e-05
830	92	1.04e-03	-0.02	-0.05	0.0	0.0	-2.81e-05
830	98	8.73e-04	-0.01	-0.04	0.0	0.0	-2.30e-05
830	105	8.21e-04	-0.06	-0.04	3.22e-05	0.0	-2.19e-05

830	107	8.35e-04	-0.01	-0.04	0.0	0.0	-2.18e-05
830	112	2.13	0.25	-0.04	-1.65e-04	0.0	-1.90e-04
830	128	-0.20	1.94	-0.05	-1.21e-03	0.0	-1.24e-04
830	129	1.19	-2.17	-0.02	1.34e-03	0.0	-1.29e-05
830	144	2.40	0.28	-0.04	-1.85e-04	0.0	-2.12e-04
830	160	-0.23	2.18	-0.05	-1.37e-03	0.0	-1.37e-04
830	161	1.34	-2.44	-0.02	1.51e-03	0.0	-1.18e-05
830	176	2.40	0.27	-0.04	-1.79e-04	0.0	-2.11e-04
830	192	-0.21	2.15	-0.05	-1.35e-03	0.0	-1.38e-04
830	193	1.36	-2.41	-0.02	1.49e-03	0.0	-1.30e-05
830	208	2.83	0.32	-0.04	-2.06e-04	0.0	-2.44e-04
830	224	-0.23	2.50	-0.05	-1.56e-03	0.0	-1.61e-04
830	225	1.62	-2.81	-0.02	1.74e-03	0.0	-1.23e-05
831	4	9.86e-03	0.28	-0.09	-1.52e-04	0.0	-3.97e-05
831	44	9.20e-03	-0.52	-0.07	2.31e-04	0.0	-3.49e-05
831	52	0.01	-0.02	-0.09	-9.55e-06	0.0	-4.02e-05
831	68	6.87e-03	0.19	-0.06	-1.01e-04	0.0	-2.77e-05
831	88	6.43e-03	-0.35	-0.05	1.54e-04	0.0	-2.45e-05
831	92	7.54e-03	-0.01	-0.06	-6.68e-06	0.0	-2.80e-05
831	98	6.15e-03	-0.01	-0.05	-5.48e-06	0.0	-2.30e-05
831	105	5.79e-03	-0.08	-0.05	2.67e-05	0.0	-2.18e-05
831	107	5.81e-03	-0.01	-0.05	-5.22e-06	0.0	-2.18e-05
831	112	2.84	0.34	-0.06	-1.68e-04	0.0	-2.46e-04
831	128	-0.27	2.57	-0.07	-1.20e-03	0.0	-1.57e-04
831	129	1.59	-2.87	-0.03	1.32e-03	0.0	-1.00e-05
831	144	3.20	0.38	-0.06	-1.88e-04	0.0	-2.74e-04
831	160	-0.30	2.90	-0.07	-1.35e-03	0.0	-1.75e-04
831	161	1.79	-3.23	-0.03	1.48e-03	0.0	-8.56e-06
831	176	3.20	0.37	-0.06	-1.83e-04	0.0	-2.73e-04
831	192	-0.28	2.85	-0.07	-1.33e-03	0.0	-1.77e-04
831	193	1.81	-3.19	-0.03	1.46e-03	0.0	-9.81e-06
831	208	3.76	0.43	-0.06	-2.09e-04	0.0	-3.17e-04
831	224	-0.31	3.32	-0.07	-1.54e-03	0.0	-2.07e-04
831	225	2.16	-3.72	-0.03	1.71e-03	0.0	-8.80e-06
832	4	-4.65e-03	0.07	-0.02	-1.39e-04	0.0	-1.16e-05
832	44	-3.87e-03	-0.13	-0.01	2.43e-04	0.0	-1.02e-05
832	68	-3.21e-03	0.05	-0.01	-9.24e-05	0.0	-8.12e-06
832	88	-2.68e-03	-0.09	-0.01	1.62e-04	0.0	-7.18e-06
832	98	-2.48e-03	-1.42e-03	-0.01	1.98e-06	0.0	-6.72e-06
832	105	-2.34e-03	-0.02	-9.63e-03	3.38e-05	0.0	-6.38e-06
832	107	-2.33e-03	-1.33e-03	-9.70e-03	1.85e-06	0.0	-6.37e-06
832	115	-0.70	-0.12	-9.57e-03	2.26e-04	0.0	4.96e-05
832	129	0.39	-0.72	-7.18e-03	1.36e-03	0.0	-3.43e-06
832	130	-0.39	0.71	-0.01	-1.35e-03	0.0	-9.32e-06
832	147	-0.79	-0.13	-9.55e-03	2.53e-04	0.0	5.68e-05
832	161	0.44	-0.81	-6.87e-03	1.53e-03	0.0	-3.07e-06
832	162	-0.44	0.80	-0.01	-1.52e-03	0.0	-9.68e-06
832	179	-0.79	-0.13	-9.57e-03	2.48e-04	0.0	5.64e-05
832	193	0.44	-0.80	-6.90e-03	1.51e-03	0.0	-3.42e-06
832	194	-0.45	0.79	-0.01	-1.50e-03	0.0	-9.33e-06
832	211	-0.93	-0.15	-9.56e-03	2.85e-04	0.0	6.74e-05
832	225	0.53	-0.93	-6.43e-03	1.76e-03	0.0	-3.19e-06
832	226	-0.53	0.92	-0.01	-1.75e-03	0.0	-9.55e-06
833	1	0.0	0.0	0.0	-1.40e-04	0.0	0.0
833	65	0.0	0.0	0.0	-9.35e-05	0.0	0.0
833	97	0.0	0.0	0.0	1.42e-06	0.0	0.0
833	106	0.0	0.0	0.0	1.42e-06	0.0	0.0
833	108	0.0	0.0	0.0	-2.32e-04	0.0	-4.23e-06
833	140	0.0	0.0	0.0	-2.61e-04	0.0	-4.66e-06
833	172	0.0	0.0	0.0	-2.57e-04	0.0	-4.64e-06
833	204	0.0	0.0	0.0	-2.98e-04	0.0	-5.31e-06
834	4	-4.02e-03	0.15	-0.03	-1.41e-04	0.0	-2.06e-05
834	44	-3.11e-03	-0.26	-0.03	2.41e-04	0.0	-1.81e-05
834	68	-2.75e-03	0.10	-0.02	-9.40e-05	0.0	-1.44e-05
834	88	-2.15e-03	-0.17	-0.02	1.60e-04	0.0	-1.27e-05
834	98	-1.96e-03	-2.27e-03	-0.02	0.0	0.0	-1.19e-05
834	105	-1.85e-03	-0.04	-0.02	3.25e-05	0.0	-1.13e-05
834	107	-1.83e-03	-2.13e-03	-0.02	0.0	0.0	-1.13e-05
834	115	-1.41	-0.24	-0.02	2.23e-04	0.0	1.02e-04
834	129	0.78	-1.43	-0.01	1.34e-03	0.0	-5.38e-06
834	130	-0.79	1.42	-0.02	-1.34e-03	0.0	-1.72e-05
834	147	-1.59	-0.27	-0.02	2.51e-04	0.0	1.17e-04
834	161	0.88	-1.61	-0.01	1.51e-03	0.0	-4.65e-06
834	162	-0.89	1.60	-0.02	-1.51e-03	0.0	-1.80e-05
834	179	-1.59	-0.26	-0.02	2.45e-04	0.0	1.16e-04

834	193	0.90	-1.59	-0.01	1.49e-03	0.0	-5.33e-06
834	194	-0.90	1.58	-0.02	-1.49e-03	0.0	-1.73e-05
834	211	-1.87	-0.30	-0.02	2.82e-04	0.0	1.38e-04
834	225	1.07	-1.85	-0.01	1.74e-03	0.0	-4.86e-06
834	226	-1.07	1.84	-0.03	-1.74e-03	0.0	-1.78e-05
835	4	1.66e-03	0.22	-0.05	-1.44e-04	0.0	-2.55e-05
835	44	1.95e-03	-0.38	-0.04	2.38e-04	0.0	-2.23e-05
835	52	2.38e-03	-3.88e-03	-0.05	-2.12e-06	0.0	-2.58e-05
835	68	1.19e-03	0.15	-0.03	-9.63e-05	0.0	-1.78e-05
835	88	1.38e-03	-0.25	-0.03	1.58e-04	0.0	-1.57e-05
835	92	1.67e-03	-2.66e-03	-0.03	-1.51e-06	0.0	-1.80e-05
835	98	1.39e-03	-2.15e-03	-0.03	-1.25e-06	0.0	-1.48e-05
835	105	1.31e-03	-0.05	-0.03	3.08e-05	0.0	-1.40e-05
835	107	1.33e-03	-2.00e-03	-0.03	-1.21e-06	0.0	-1.40e-05
835	112	2.13	0.35	-0.03	-2.22e-04	0.0	-1.83e-04
835	129	1.19	-2.13	-0.02	1.32e-03	0.0	-1.16e-04
835	130	-1.19	2.12	-0.04	-1.32e-03	0.0	8.79e-05
835	144	2.41	0.39	-0.03	-2.49e-04	0.0	-2.05e-04
835	161	1.34	-2.39	-0.02	1.48e-03	0.0	-1.29e-04
835	162	-1.34	2.39	-0.04	-1.49e-03	0.0	1.01e-04
835	176	2.41	0.38	-0.03	-2.43e-04	0.0	-2.04e-04
835	193	1.36	-2.36	-0.02	1.47e-03	0.0	-1.31e-04
835	194	-1.36	2.36	-0.04	-1.47e-03	0.0	1.03e-04
835	208	2.83	0.44	-0.03	-2.80e-04	0.0	-2.37e-04
835	225	1.62	-2.75	-0.02	1.71e-03	0.0	-1.54e-04
835	226	-1.62	2.75	-0.04	-1.71e-03	0.0	1.26e-04
836	4	0.01	0.30	-0.07	-1.47e-04	0.0	-2.51e-05
836	43	8.90e-03	-0.51	-0.05	2.35e-04	0.0	-2.02e-05
836	52	0.01	-1.79e-03	-0.07	-5.30e-06	0.0	-2.53e-05
836	68	7.15e-03	0.20	-0.05	-9.85e-05	0.0	-1.75e-05
836	87	6.25e-03	-0.34	-0.04	1.57e-04	0.0	-1.43e-05
836	92	7.78e-03	-1.19e-03	-0.05	-3.72e-06	0.0	-1.77e-05
836	98	6.37e-03	-9.34e-04	-0.04	-3.06e-06	0.0	-1.45e-05
836	105	5.99e-03	-0.07	-0.04	2.91e-05	0.0	-1.37e-05
836	107	6.01e-03	-8.39e-04	-0.04	-2.92e-06	0.0	-1.37e-05
836	112	2.84	0.47	-0.04	-2.20e-04	0.0	-2.38e-04
836	129	1.59	-2.81	-0.03	1.29e-03	0.0	-1.49e-04
836	130	-1.57	2.81	-0.05	-1.30e-03	0.0	1.22e-04
836	144	3.20	0.52	-0.04	-2.47e-04	0.0	-2.67e-04
836	161	1.79	-3.16	-0.03	1.46e-03	0.0	-1.67e-04
836	162	-1.78	3.16	-0.05	-1.46e-03	0.0	1.39e-04
836	176	3.20	0.51	-0.04	-2.41e-04	0.0	-2.66e-04
836	193	1.81	-3.13	-0.03	1.44e-03	0.0	-1.69e-04
836	194	-1.80	3.12	-0.05	-1.45e-03	0.0	1.42e-04
836	208	3.76	0.59	-0.04	-2.78e-04	0.0	-3.09e-04
836	225	2.15	-3.64	-0.03	1.68e-03	0.0	-1.99e-04
836	226	-2.14	3.64	-0.05	-1.68e-03	0.0	1.72e-04
837	4	-4.02e-03	0.08	-0.01	-1.46e-04	0.0	-6.50e-06
837	18	-3.56e-03	0.13	-0.01	-2.41e-04	0.0	-5.54e-06
837	68	-2.76e-03	0.05	-9.53e-03	-9.77e-05	0.0	-4.54e-06
837	75	-2.46e-03	0.08	-8.91e-03	-1.61e-04	0.0	-3.90e-06
837	98	-2.11e-03	1.33e-03	-8.28e-03	-2.45e-06	0.0	-3.79e-06
837	103	-2.02e-03	0.02	-8.09e-03	-3.39e-05	0.0	-3.57e-06
837	107	-1.98e-03	1.27e-03	-8.04e-03	-2.35e-06	0.0	-3.59e-06
837	115	-0.70	-0.15	-8.57e-03	2.78e-04	0.0	5.26e-05
837	130	-0.39	0.71	-9.52e-03	-1.34e-03	0.0	3.02e-05
837	134	0.04	0.69	-9.99e-03	-1.31e-03	0.0	-8.07e-06
837	147	-0.79	-0.16	-8.64e-03	3.13e-04	0.0	5.97e-05
837	162	-0.44	0.79	-9.71e-03	-1.50e-03	0.0	3.46e-05
837	166	0.05	0.78	-0.01	-1.47e-03	0.0	-8.69e-06
837	179	-0.79	-0.16	-8.65e-03	3.07e-04	0.0	5.94e-05
837	194	-0.45	0.78	-9.71e-03	-1.48e-03	0.0	3.51e-05
837	198	0.05	0.77	-0.01	-1.45e-03	0.0	-8.98e-06
837	211	-0.93	-0.19	-8.77e-03	3.56e-04	0.0	7.04e-05
837	226	-0.53	0.91	-1.00e-02	-1.73e-03	0.0	4.26e-05
837	230	0.06	0.89	-0.01	-1.68e-03	0.0	-1.03e-05
838	1	0.0	0.0	0.0	-1.45e-04	0.0	0.0
838	65	0.0	0.0	0.0	-9.65e-05	0.0	0.0
838	97	0.0	0.0	0.0	-1.75e-06	0.0	0.0
838	106	0.0	0.0	0.0	-1.75e-06	0.0	0.0
838	108	0.0	0.0	0.0	-2.91e-04	0.0	-3.23e-06
838	140	0.0	0.0	0.0	-3.26e-04	0.0	-3.58e-06
838	172	0.0	0.0	0.0	-3.21e-04	0.0	-3.55e-06
838	204	0.0	0.0	0.0	-3.73e-04	0.0	-4.08e-06
839	4	-3.24e-03	0.15	-0.03	-1.46e-04	0.0	-1.15e-05

839	18	-3.07e-03	0.25	-0.02	-2.41e-04	0.0	-9.82e-06
839	68	-2.21e-03	0.10	-0.02	-9.76e-05	0.0	-8.04e-06
839	75	-2.10e-03	0.17	-0.02	-1.60e-04	0.0	-6.92e-06
839	98	-1.51e-03	2.64e-03	-0.02	-2.35e-06	0.0	-6.70e-06
839	103	-1.51e-03	0.04	-0.02	-3.38e-05	0.0	-6.31e-06
839	107	-1.41e-03	2.53e-03	-0.02	-2.26e-06	0.0	-6.35e-06
839	115	-1.41	-0.29	-0.02	2.76e-04	0.0	1.08e-04
839	130	-0.79	1.41	-0.02	-1.32e-03	0.0	6.22e-05
839	134	0.09	1.38	-0.02	-1.30e-03	0.0	-1.53e-05
839	147	-1.59	-0.33	-0.02	3.11e-04	0.0	1.22e-04
839	162	-0.89	1.58	-0.02	-1.49e-03	0.0	7.11e-05
839	166	0.10	1.55	-0.02	-1.46e-03	0.0	-1.65e-05
839	179	-1.59	-0.32	-0.02	3.05e-04	0.0	1.21e-04
839	194	-0.90	1.56	-0.02	-1.47e-03	0.0	7.21e-05
839	198	0.10	1.52	-0.02	-1.43e-03	0.0	-1.71e-05
839	211	-1.87	-0.37	-0.02	3.54e-04	0.0	1.44e-04
839	226	-1.07	1.81	-0.02	-1.71e-03	0.0	8.74e-05
839	230	0.12	1.77	-0.02	-1.67e-03	0.0	-1.97e-05
840	4	2.55e-03	0.23	-0.04	-1.46e-04	0.0	-1.42e-05
840	18	1.67e-03	0.38	-0.04	-2.40e-04	0.0	-1.21e-05
840	52	3.25e-03	6.62e-03	-0.04	-3.61e-06	0.0	-1.44e-05
840	68	1.81e-03	0.15	-0.03	-9.73e-05	0.0	-9.91e-06
840	75	1.23e-03	0.25	-0.03	-1.60e-04	0.0	-8.54e-06
840	92	2.28e-03	4.67e-03	-0.03	-2.55e-06	0.0	-1.00e-05
840	98	1.90e-03	3.87e-03	-0.02	-2.11e-06	0.0	-8.24e-06
840	103	1.65e-03	0.05	-0.02	-3.36e-05	0.0	-7.77e-06
840	107	1.81e-03	3.71e-03	-0.02	-2.02e-06	0.0	-7.82e-06
840	112	2.14	0.44	-0.02	-2.77e-04	0.0	-1.77e-04
840	130	-1.19	2.09	-0.03	-1.30e-03	0.0	9.44e-05
840	134	0.14	2.05	-0.03	-1.28e-03	0.0	-2.07e-05
840	144	2.41	0.50	-0.02	-3.12e-04	0.0	-1.99e-04
840	162	-1.34	2.36	-0.03	-1.46e-03	0.0	1.08e-04
840	166	0.15	2.31	-0.03	-1.44e-03	0.0	-2.25e-05
840	176	2.41	0.49	-0.02	-3.06e-04	0.0	-1.98e-04
840	194	-1.36	2.32	-0.03	-1.44e-03	0.0	1.09e-04
840	198	0.16	2.27	-0.03	-1.41e-03	0.0	-2.34e-05
840	208	2.83	0.57	-0.02	-3.54e-04	0.0	-2.31e-04
840	226	-1.62	2.71	-0.03	-1.68e-03	0.0	1.32e-04
840	230	0.18	2.64	-0.03	-1.64e-03	0.0	-2.72e-05
841	4	0.01	0.31	-0.05	-1.45e-04	0.0	-1.39e-05
841	18	8.72e-03	0.51	-0.05	-2.40e-04	0.0	-1.20e-05
841	52	0.01	8.40e-03	-0.05	-2.88e-06	0.0	-1.41e-05
841	68	7.69e-03	0.20	-0.04	-9.69e-05	0.0	-9.75e-06
841	75	6.16e-03	0.34	-0.04	-1.60e-04	0.0	-8.43e-06
841	92	8.29e-03	5.92e-03	-0.04	-2.04e-06	0.0	-9.86e-06
841	98	6.79e-03	4.91e-03	-0.03	-1.68e-06	0.0	-8.10e-06
841	103	6.21e-03	0.07	-0.03	-3.32e-05	0.0	-7.65e-06
841	107	6.41e-03	4.70e-03	-0.03	-1.62e-06	0.0	-7.69e-06
841	112	2.84	0.59	-0.03	-2.73e-04	0.0	-2.32e-04
841	130	-1.57	2.77	-0.04	-1.28e-03	0.0	1.28e-04
841	134	0.18	2.72	-0.04	-1.25e-03	0.0	-2.41e-05
841	144	3.20	0.66	-0.03	-3.07e-04	0.0	-2.61e-04
841	162	-1.78	3.12	-0.04	-1.44e-03	0.0	1.46e-04
841	166	0.21	3.06	-0.04	-1.41e-03	0.0	-2.65e-05
841	176	3.20	0.65	-0.03	-3.01e-04	0.0	-2.60e-04
841	194	-1.80	3.08	-0.04	-1.42e-03	0.0	1.48e-04
841	198	0.21	3.01	-0.04	-1.39e-03	0.0	-2.77e-05
841	208	3.76	0.75	-0.03	-3.48e-04	0.0	-3.04e-04
841	226	-2.14	3.58	-0.04	-1.65e-03	0.0	1.78e-04
841	230	0.25	3.49	-0.04	-1.61e-03	0.0	-3.27e-05
842	4	-3.44e-03	0.08	-0.01	-1.50e-04	0.0	-2.81e-06
842	18	-3.06e-03	0.13	-0.01	-2.44e-04	0.0	-2.38e-06
842	68	-2.36e-03	0.05	-8.26e-03	-1.00e-04	0.0	-1.96e-06
842	75	-2.11e-03	0.09	-7.79e-03	-1.63e-04	0.0	-1.68e-06
842	98	-1.78e-03	2.65e-03	-7.29e-03	-4.59e-06	0.0	-1.66e-06
842	103	-1.71e-03	0.02	-7.15e-03	-3.59e-05	0.0	-1.56e-06
842	107	-1.67e-03	2.52e-03	-7.11e-03	-4.38e-06	0.0	-1.57e-06
842	114	-0.56	0.23	-9.65e-03	-4.38e-04	0.0	4.29e-05
842	115	-0.70	-0.17	-8.69e-03	3.32e-04	0.0	5.46e-05
842	130	-0.39	0.70	-8.33e-03	-1.32e-03	0.0	3.22e-05
842	146	-0.63	0.26	-9.97e-03	-4.92e-04	0.0	4.85e-05
842	147	-0.79	-0.20	-8.89e-03	3.74e-04	0.0	6.18e-05
842	162	-0.44	0.78	-8.49e-03	-1.48e-03	0.0	3.65e-05
842	178	-0.63	0.26	-9.94e-03	-4.84e-04	0.0	4.81e-05
842	179	-0.79	-0.19	-8.88e-03	3.68e-04	0.0	6.14e-05

842	194	-0.45	0.77	-8.49e-03	-1.46e-03	0.0	3.70e-05
842	210	-0.74	0.30	-0.01	-5.63e-04	0.0	5.65e-05
842	211	-0.93	-0.23	-9.19e-03	4.28e-04	0.0	7.24e-05
842	226	-0.53	0.90	-8.76e-03	-1.70e-03	0.0	4.45e-05
843	1	0.0	0.0	0.0	-1.47e-04	0.0	0.0
843	65	0.0	0.0	0.0	-9.80e-05	0.0	0.0
843	97	0.0	0.0	0.0	-3.28e-06	0.0	0.0
843	106	0.0	0.0	0.0	-3.28e-06	0.0	0.0
843	108	0.0	0.0	0.0	-3.46e-04	0.0	-2.98e-06
843	140	0.0	0.0	0.0	-3.89e-04	0.0	-3.33e-06
843	172	0.0	0.0	0.0	-3.83e-04	0.0	-3.31e-06
843	204	0.0	0.0	0.0	-4.44e-04	0.0	-3.83e-06
844	4	-2.53e-03	0.16	-0.02	-1.49e-04	0.0	-4.98e-06
844	18	-2.46e-03	0.26	-0.02	-2.43e-04	0.0	-4.23e-06
844	68	-1.71e-03	0.11	-0.02	-9.93e-05	0.0	-3.49e-06
844	75	-1.67e-03	0.17	-0.02	-1.62e-04	0.0	-2.99e-06
844	98	-1.11e-03	4.99e-03	-0.01	-3.80e-06	0.0	-2.94e-06
844	103	-1.13e-03	0.04	-0.01	-3.52e-05	0.0	-2.76e-06
844	107	-1.03e-03	4.76e-03	-0.01	-3.63e-06	0.0	-2.79e-06
844	114	-1.13	0.46	-0.02	-4.31e-04	0.0	8.75e-05
844	115	-1.41	-0.35	-0.02	3.31e-04	0.0	1.11e-04
844	130	-0.79	1.39	-0.02	-1.30e-03	0.0	6.57e-05
844	146	-1.27	0.52	-0.02	-4.85e-04	0.0	9.88e-05
844	147	-1.59	-0.39	-0.02	3.73e-04	0.0	1.26e-04
844	162	-0.89	1.56	-0.02	-1.46e-03	0.0	7.46e-05
844	178	-1.27	0.51	-0.02	-4.77e-04	0.0	9.79e-05
844	179	-1.59	-0.39	-0.02	3.66e-04	0.0	1.25e-04
844	194	-0.90	1.54	-0.02	-1.44e-03	0.0	7.56e-05
844	210	-1.49	0.59	-0.02	-5.54e-04	0.0	1.15e-04
844	211	-1.87	-0.45	-0.02	4.26e-04	0.0	1.47e-04
844	226	-1.07	1.78	-0.02	-1.68e-03	0.0	9.08e-05
845	4	3.38e-03	0.24	-0.03	-1.47e-04	0.0	-6.22e-06
845	18	2.40e-03	0.38	-0.03	-2.41e-04	0.0	-5.29e-06
845	52	4.06e-03	0.01	-0.03	-4.47e-06	0.0	-6.38e-06
845	68	2.39e-03	0.16	-0.02	-9.79e-05	0.0	-4.36e-06
845	75	1.74e-03	0.26	-0.02	-1.61e-04	0.0	-3.74e-06
845	92	2.85e-03	8.19e-03	-0.02	-3.15e-06	0.0	-4.47e-06
845	98	2.37e-03	6.76e-03	-0.02	-2.61e-06	0.0	-3.68e-06
845	103	2.10e-03	0.06	-0.02	-3.41e-05	0.0	-3.46e-06
845	107	2.25e-03	6.45e-03	-0.02	-2.50e-06	0.0	-3.50e-06
845	112	2.14	0.54	-0.02	-3.33e-04	0.0	-1.73e-04
845	114	-1.71	0.68	-0.03	-4.22e-04	0.0	1.31e-04
845	130	-1.19	2.06	-0.02	-1.28e-03	0.0	9.86e-05
845	144	2.41	0.60	-0.02	-3.74e-04	0.0	-1.95e-04
845	146	-1.92	0.77	-0.03	-4.75e-04	0.0	1.48e-04
845	162	-1.34	2.32	-0.02	-1.44e-03	0.0	1.12e-04
845	176	2.41	0.59	-0.02	-3.68e-04	0.0	-1.94e-04
845	178	-1.92	0.76	-0.03	-4.68e-04	0.0	1.47e-04
845	194	-1.36	2.29	-0.02	-1.42e-03	0.0	1.13e-04
845	208	2.83	0.69	-0.01	-4.27e-04	0.0	-2.27e-04
845	210	-2.26	0.88	-0.03	-5.43e-04	0.0	1.72e-04
845	226	-1.62	2.66	-0.03	-1.65e-03	0.0	1.36e-04
846	4	0.01	0.31	-0.04	-1.44e-04	0.0	-6.34e-06
846	18	9.72e-03	0.51	-0.04	-2.39e-04	0.0	-5.39e-06
846	52	0.01	0.01	-0.04	-2.07e-06	0.0	-6.52e-06
846	68	8.46e-03	0.21	-0.03	-9.63e-05	0.0	-4.45e-06
846	75	6.86e-03	0.34	-0.03	-1.59e-04	0.0	-3.82e-06
846	92	9.03e-03	9.41e-03	-0.03	-1.48e-06	0.0	-4.57e-06
846	98	7.40e-03	7.78e-03	-0.03	-1.24e-06	0.0	-3.78e-06
846	103	6.80e-03	0.07	-0.03	-3.28e-05	0.0	-3.55e-06
846	107	6.99e-03	7.43e-03	-0.03	-1.20e-06	0.0	-3.59e-06
846	112	2.85	0.71	-0.02	-3.26e-04	0.0	-2.28e-04
846	114	-2.27	0.90	-0.04	-4.12e-04	0.0	1.75e-04
846	130	-1.58	2.73	-0.03	-1.25e-03	0.0	1.32e-04
846	144	3.21	0.80	-0.02	-3.67e-04	0.0	-2.57e-04
846	146	-2.55	1.02	-0.04	-4.64e-04	0.0	1.98e-04
846	162	-1.78	3.07	-0.03	-1.41e-03	0.0	1.50e-04
846	176	3.21	0.78	-0.02	-3.61e-04	0.0	-2.56e-04
846	178	-2.55	1.00	-0.04	-4.57e-04	0.0	1.96e-04
846	194	-1.80	3.03	-0.03	-1.39e-03	0.0	1.52e-04
846	208	3.77	0.91	-0.02	-4.18e-04	0.0	-2.99e-04
846	210	-3.00	1.16	-0.04	-5.31e-04	0.0	2.30e-04
846	226	-2.15	3.52	-0.03	-1.62e-03	0.0	1.82e-04
847	4	-2.95e-03	0.08	-0.01	-1.51e-04	0.0	0.0
847	18	-2.64e-03	0.13	-0.01	-2.45e-04	0.0	0.0

847	68	-2.02e-03	0.05	-7.75e-03	-1.01e-04	0.0	0.0
847	75	-1.81e-03	0.09	-7.33e-03	-1.63e-04	0.0	0.0
847	98	-1.50e-03	3.01e-03	-6.90e-03	-5.21e-06	0.0	0.0
847	103	-1.45e-03	0.02	-6.77e-03	-3.65e-05	0.0	0.0
847	107	-1.40e-03	2.87e-03	-6.74e-03	-4.97e-06	0.0	0.0
847	114	-0.56	0.20	-0.01	-3.81e-04	0.0	4.40e-05
847	115	-0.70	-0.21	-9.47e-03	3.94e-04	0.0	5.58e-05
847	124	-0.04	0.69	-6.72e-03	-1.30e-03	0.0	2.88e-06
847	146	-0.63	0.23	-0.01	-4.28e-04	0.0	4.96e-05
847	147	-0.79	-0.23	-9.81e-03	4.43e-04	0.0	6.30e-05
847	156	-0.05	0.77	-6.72e-03	-1.46e-03	0.0	3.33e-06
847	178	-0.63	0.22	-0.01	-4.22e-04	0.0	4.92e-05
847	179	-0.79	-0.23	-9.78e-03	4.36e-04	0.0	6.26e-05
847	188	-0.05	0.76	-6.72e-03	-1.44e-03	0.0	3.53e-06
847	210	-0.74	0.26	-0.01	-4.89e-04	0.0	5.75e-05
847	211	-0.93	-0.27	-0.01	5.08e-04	0.0	7.35e-05
847	220	-0.05	0.88	-6.72e-03	-1.67e-03	0.0	4.47e-06
848	1	0.0	0.0	0.0	-1.47e-04	0.0	0.0
848	65	0.0	0.0	0.0	-9.84e-05	0.0	0.0
848	97	0.0	0.0	0.0	-3.72e-06	0.0	0.0
848	106	0.0	0.0	0.0	-3.72e-06	0.0	0.0
848	108	0.0	0.0	0.0	-4.07e-04	0.0	-2.82e-06
848	140	0.0	0.0	0.0	-4.57e-04	0.0	-3.17e-06
848	172	0.0	0.0	0.0	-4.50e-04	0.0	-3.14e-06
848	204	0.0	0.0	0.0	-5.22e-04	0.0	-3.66e-06
849	4	-1.91e-03	0.16	-0.02	-1.49e-04	0.0	0.0
849	18	-1.92e-03	0.26	-0.02	-2.43e-04	0.0	0.0
849	68	-1.29e-03	0.11	-0.02	-9.99e-05	0.0	0.0
849	75	-1.29e-03	0.17	-0.01	-1.62e-04	0.0	0.0
849	98	-7.58e-04	5.65e-03	-0.01	-4.30e-06	0.0	0.0
849	103	-7.92e-04	0.04	-0.01	-3.57e-05	0.0	0.0
849	107	-6.94e-04	5.39e-03	-0.01	-4.10e-06	0.0	0.0
849	114	-1.13	0.40	-0.02	-3.76e-04	0.0	8.94e-05
849	115	-1.41	-0.41	-0.02	3.90e-04	0.0	1.13e-04
849	124	-0.08	1.37	-0.01	-1.29e-03	0.0	5.93e-06
849	146	-1.27	0.45	-0.02	-4.23e-04	0.0	1.01e-04
849	147	-1.59	-0.47	-0.02	4.39e-04	0.0	1.28e-04
849	156	-0.09	1.54	-0.01	-1.45e-03	0.0	6.85e-06
849	178	-1.27	0.44	-0.02	-4.16e-04	0.0	9.98e-05
849	179	-1.59	-0.46	-0.02	4.32e-04	0.0	1.27e-04
849	188	-0.09	1.52	-0.01	-1.42e-03	0.0	7.27e-06
849	210	-1.49	0.51	-0.02	-4.83e-04	0.0	1.17e-04
849	211	-1.87	-0.53	-0.02	5.03e-04	0.0	1.49e-04
849	220	-0.11	1.76	-0.01	-1.65e-03	0.0	9.20e-06
850	4	4.11e-03	0.24	-0.03	-1.47e-04	0.0	-1.17e-06
850	18	3.05e-03	0.38	-0.03	-2.41e-04	0.0	0.0
850	52	4.77e-03	0.01	-0.03	-5.04e-06	0.0	-1.31e-06
850	68	2.90e-03	0.16	-0.02	-9.83e-05	0.0	0.0
850	75	2.20e-03	0.26	-0.02	-1.61e-04	0.0	0.0
850	92	3.35e-03	9.25e-03	-0.02	-3.56e-06	0.0	0.0
850	98	2.78e-03	7.65e-03	-0.02	-2.96e-06	0.0	0.0
850	103	2.50e-03	0.06	-0.02	-3.44e-05	0.0	0.0
850	107	2.65e-03	7.30e-03	-0.02	-2.84e-06	0.0	0.0
850	112	2.14	0.63	-0.01	-3.91e-04	0.0	-1.70e-04
850	114	-1.70	0.60	-0.03	-3.67e-04	0.0	1.33e-04
850	124	-0.12	2.04	-0.02	-1.26e-03	0.0	8.99e-06
850	144	2.41	0.71	-9.31e-03	-4.40e-04	0.0	-1.92e-04
850	146	-1.92	0.67	-0.03	-4.13e-04	0.0	1.50e-04
850	156	-0.13	2.29	-0.02	-1.42e-03	0.0	1.04e-05
850	176	2.41	0.70	-9.41e-03	-4.33e-04	0.0	-1.91e-04
850	178	-1.92	0.66	-0.03	-4.07e-04	0.0	1.49e-04
850	188	-0.14	2.26	-0.02	-1.40e-03	0.0	1.11e-05
850	208	2.83	0.81	-7.73e-03	-5.03e-04	0.0	-2.24e-04
850	210	-2.26	0.77	-0.04	-4.72e-04	0.0	1.74e-04
850	220	-0.16	2.62	-0.02	-1.63e-03	0.0	1.40e-05
851	4	0.01	0.31	-0.04	-1.45e-04	0.0	-1.56e-06
851	18	0.01	0.51	-0.04	-2.39e-04	0.0	-1.22e-06
851	52	0.01	0.02	-0.04	-2.42e-06	0.0	-1.79e-06
851	68	9.51e-03	0.21	-0.03	-9.65e-05	0.0	-1.12e-06
851	75	7.81e-03	0.34	-0.03	-1.60e-04	0.0	0.0
851	92	0.01	0.01	-0.03	-1.73e-06	0.0	-1.27e-06
851	98	8.24e-03	8.80e-03	-0.03	-1.46e-06	0.0	-1.08e-06
851	103	7.61e-03	0.07	-0.03	-3.30e-05	0.0	0.0
851	107	7.79e-03	8.41e-03	-0.03	-1.42e-06	0.0	-1.04e-06
851	112	2.86	0.83	-0.01	-3.84e-04	0.0	-2.26e-04

851	114	-2.27	0.79	-0.04	-3.57e-04	0.0	1.77e-04
851	124	-0.15	2.70	-0.03	-1.24e-03	0.0	1.22e-05
851	144	3.22	0.94	-0.01	-4.32e-04	0.0	-2.54e-04
851	146	-2.56	0.89	-0.05	-4.01e-04	0.0	2.00e-04
851	156	-0.18	3.03	-0.03	-1.39e-03	0.0	1.41e-05
851	176	3.22	0.92	-0.01	-4.25e-04	0.0	-2.53e-04
851	178	-2.56	0.87	-0.05	-3.96e-04	0.0	1.98e-04
851	188	-0.18	2.99	-0.03	-1.37e-03	0.0	1.50e-05
851	208	3.78	1.07	-0.01	-4.94e-04	0.0	-2.97e-04
851	210	-3.01	1.01	-0.05	-4.60e-04	0.0	2.32e-04
851	220	-0.21	3.47	-0.03	-1.59e-03	0.0	1.91e-05
852	4	-2.56e-03	0.08	-0.01	-1.51e-04	0.0	0.0
852	18	-2.30e-03	0.13	-0.01	-2.44e-04	0.0	0.0
852	68	-1.75e-03	0.05	-7.93e-03	-1.01e-04	0.0	0.0
852	75	-1.57e-03	0.09	-7.50e-03	-1.63e-04	0.0	0.0
852	98	-1.28e-03	2.82e-03	-7.05e-03	-4.96e-06	0.0	0.0
852	103	-1.23e-03	0.02	-6.92e-03	-3.63e-05	0.0	0.0
852	107	-1.19e-03	2.69e-03	-6.88e-03	-4.73e-06	0.0	0.0
852	114	-0.56	0.18	-0.02	-3.32e-04	0.0	4.46e-05
852	115	-0.70	-0.24	-0.01	4.47e-04	0.0	5.65e-05
852	132	0.42	0.70	-8.45e-03	-1.32e-03	0.0	-3.44e-05
852	146	-0.63	0.20	-0.02	-3.73e-04	0.0	5.01e-05
852	147	-0.79	-0.27	-0.02	5.04e-04	0.0	6.36e-05
852	164	0.47	0.79	-8.65e-03	-1.49e-03	0.0	-3.89e-05
852	178	-0.63	0.19	-0.02	-3.67e-04	0.0	4.96e-05
852	179	-0.79	-0.26	-0.02	4.97e-04	0.0	6.32e-05
852	200	0.45	0.77	-9.15e-03	-1.47e-03	0.0	-3.98e-05
852	210	-0.74	0.22	-0.02	-4.25e-04	0.0	5.80e-05
852	211	-0.92	-0.31	-0.02	5.80e-04	0.0	7.41e-05
852	232	0.53	0.90	-9.44e-03	-1.70e-03	0.0	-4.77e-05
853	1	0.0	0.0	0.0	-1.47e-04	0.0	0.0
853	65	0.0	0.0	0.0	-9.82e-05	0.0	0.0
853	97	0.0	0.0	0.0	-3.54e-06	0.0	0.0
853	106	0.0	0.0	0.0	-3.54e-06	0.0	0.0
853	108	0.0	0.0	0.0	-4.56e-04	0.0	-2.73e-06
853	140	0.0	0.0	0.0	-5.12e-04	0.0	-3.08e-06
853	172	0.0	0.0	0.0	-5.05e-04	0.0	-3.05e-06
853	204	0.0	0.0	0.0	-5.87e-04	0.0	-3.57e-06
854	4	-1.42e-03	0.16	-0.02	-1.49e-04	0.0	1.46e-06
854	18	-1.49e-03	0.26	-0.02	-2.43e-04	0.0	1.29e-06
854	68	-9.42e-04	0.11	-0.02	-9.98e-05	0.0	1.01e-06
854	75	-9.88e-04	0.17	-0.01	-1.62e-04	0.0	0.0
854	98	-4.77e-04	5.34e-03	-0.01	-4.23e-06	0.0	0.0
854	103	-5.25e-04	0.04	-0.01	-3.56e-05	0.0	0.0
854	107	-4.28e-04	5.10e-03	-0.01	-4.05e-06	0.0	0.0
854	114	-1.13	0.35	-0.03	-3.26e-04	0.0	9.03e-05
854	115	-1.41	-0.47	-0.03	4.44e-04	0.0	1.14e-04
854	132	0.85	1.39	-0.02	-1.31e-03	0.0	-6.97e-05
854	146	-1.27	0.39	-0.03	-3.66e-04	0.0	1.02e-04
854	147	-1.59	-0.53	-0.03	5.00e-04	0.0	1.29e-04
854	164	0.96	1.56	-0.02	-1.47e-03	0.0	-7.88e-05
854	178	-1.27	0.39	-0.03	-3.60e-04	0.0	1.01e-04
854	179	-1.59	-0.52	-0.03	4.93e-04	0.0	1.28e-04
854	200	0.91	1.54	-0.02	-1.45e-03	0.0	-8.08e-05
854	210	-1.49	0.45	-0.04	-4.18e-04	0.0	1.17e-04
854	211	-1.87	-0.61	-0.03	5.75e-04	0.0	1.50e-04
854	232	1.08	1.79	-0.02	-1.68e-03	0.0	-9.67e-05
855	4	4.72e-03	0.24	-0.03	-1.47e-04	0.0	1.74e-06
855	18	3.60e-03	0.38	-0.03	-2.42e-04	0.0	1.58e-06
855	52	5.37e-03	0.01	-0.03	-5.45e-06	0.0	1.61e-06
855	68	3.33e-03	0.16	-0.02	-9.85e-05	0.0	1.20e-06
855	75	2.58e-03	0.26	-0.02	-1.61e-04	0.0	1.09e-06
855	92	3.77e-03	8.87e-03	-0.02	-3.85e-06	0.0	1.11e-06
855	98	3.13e-03	7.35e-03	-0.02	-3.22e-06	0.0	0.0
855	103	2.83e-03	0.06	-0.02	-3.46e-05	0.0	0.0
855	107	2.98e-03	7.02e-03	-0.02	-3.09e-06	0.0	0.0
855	112	2.14	0.72	-7.81e-04	-4.45e-04	0.0	-1.68e-04
855	114	-1.70	0.52	-0.05	-3.18e-04	0.0	1.34e-04
855	132	1.29	2.07	-0.02	-1.28e-03	0.0	-1.04e-04
855	144	2.41	0.81	1.62e-03	-5.00e-04	0.0	-1.90e-04
855	146	-1.92	0.58	-0.05	-3.57e-04	0.0	1.51e-04
855	164	1.45	2.33	-0.02	-1.44e-03	0.0	-1.17e-04
855	176	2.41	0.79	1.41e-03	-4.94e-04	0.0	-1.89e-04
855	178	-1.92	0.57	-0.05	-3.51e-04	0.0	1.50e-04
855	200	1.38	2.30	-0.03	-1.42e-03	0.0	-1.20e-04

855	208	2.83	0.92	5.02e-03	-5.74e-04	0.0	-2.21e-04
855	210	-2.26	0.66	-0.05	-4.07e-04	0.0	1.75e-04
855	232	1.64	2.67	-0.03	-1.65e-03	0.0	-1.44e-04
856	4	0.02	0.31	-0.04	-1.46e-04	0.0	1.33e-06
856	18	0.01	0.51	-0.04	-2.40e-04	0.0	1.31e-06
856	52	0.02	0.01	-0.04	-3.51e-06	0.0	1.08e-06
856	68	0.01	0.21	-0.03	-9.72e-05	0.0	0.0
856	75	9.16e-03	0.34	-0.03	-1.60e-04	0.0	0.0
856	92	0.01	0.01	-0.03	-2.50e-06	0.0	0.0
856	98	9.45e-03	8.74e-03	-0.03	-2.12e-06	0.0	0.0
856	103	8.77e-03	0.07	-0.03	-3.36e-05	0.0	0.0
856	107	8.93e-03	8.36e-03	-0.03	-2.05e-06	0.0	0.0
856	112	2.87	0.95	-3.35e-03	-4.37e-04	0.0	-2.24e-04
856	114	-2.28	0.68	-0.06	-3.08e-04	0.0	1.78e-04
856	132	1.73	2.74	-0.03	-1.26e-03	0.0	-1.37e-04
856	144	3.24	1.07	-3.91e-04	-4.91e-04	0.0	-2.52e-04
856	146	-2.57	0.77	-0.06	-3.46e-04	0.0	2.00e-04
856	164	1.95	3.08	-0.03	-1.41e-03	0.0	-1.55e-04
856	176	3.24	1.05	-6.68e-04	-4.85e-04	0.0	-2.51e-04
856	178	-2.57	0.75	-0.06	-3.41e-04	0.0	1.99e-04
856	200	1.85	3.04	-0.04	-1.39e-03	0.0	-1.59e-04
856	208	3.80	1.22	3.76e-03	-5.64e-04	0.0	-2.94e-04
856	210	-3.03	0.87	-0.07	-3.95e-04	0.0	2.32e-04
856	232	2.20	3.53	-0.04	-1.62e-03	0.0	-1.90e-04
857	4	-2.29e-03	0.08	-0.01	-1.49e-04	0.0	1.30e-06
857	18	-2.06e-03	0.13	-0.01	-2.43e-04	0.0	1.13e-06
857	68	-1.56e-03	0.05	-8.97e-03	-9.98e-05	0.0	0.0
857	75	-1.41e-03	0.09	-8.45e-03	-1.62e-04	0.0	0.0
857	98	-1.12e-03	2.40e-03	-7.89e-03	-4.29e-06	0.0	0.0
857	103	-1.08e-03	0.02	-7.73e-03	-3.56e-05	0.0	0.0
857	107	-1.04e-03	2.29e-03	-7.68e-03	-4.10e-06	0.0	0.0
857	114	-0.56	0.15	-0.02	-2.79e-04	0.0	4.48e-05
857	115	-0.70	-0.27	-0.01	5.06e-04	0.0	5.67e-05
857	132	0.42	0.71	-1.00e-02	-1.35e-03	0.0	-3.42e-05
857	146	-0.63	0.17	-0.02	-3.13e-04	0.0	5.03e-05
857	147	-0.78	-0.30	-0.01	5.70e-04	0.0	6.38e-05
857	168	0.44	0.80	-0.01	-1.52e-03	0.0	-3.91e-05
857	178	-0.63	0.16	-0.02	-3.08e-04	0.0	4.98e-05
857	179	-0.78	-0.30	-0.01	5.63e-04	0.0	6.35e-05
857	200	0.45	0.79	-0.01	-1.50e-03	0.0	-3.97e-05
857	210	-0.74	0.19	-0.02	-3.56e-04	0.0	5.82e-05
857	211	-0.92	-0.35	-0.01	6.57e-04	0.0	7.44e-05
857	232	0.53	0.92	-0.01	-1.74e-03	0.0	-4.76e-05
858	1	0.0	0.0	0.0	-1.46e-04	0.0	0.0
858	65	0.0	0.0	0.0	-9.77e-05	0.0	0.0
858	97	0.0	0.0	0.0	-3.08e-06	0.0	0.0
858	106	0.0	0.0	0.0	-3.08e-06	0.0	0.0
858	108	0.0	0.0	0.0	-5.10e-04	0.0	-2.65e-06
858	140	0.0	0.0	0.0	-5.73e-04	0.0	-3.00e-06
858	172	0.0	0.0	0.0	-5.65e-04	0.0	-2.97e-06
858	204	0.0	0.0	0.0	-6.57e-04	0.0	-3.49e-06
859	4	-1.07e-03	0.16	-0.02	-1.48e-04	0.0	2.39e-06
859	18	-1.18e-03	0.26	-0.02	-2.42e-04	0.0	2.09e-06
859	68	-6.97e-04	0.10	-0.02	-9.92e-05	0.0	1.66e-06
859	75	-7.70e-04	0.17	-0.02	-1.62e-04	0.0	1.46e-06
859	98	-2.76e-04	4.57e-03	-0.02	-3.82e-06	0.0	1.33e-06
859	103	-3.32e-04	0.04	-0.02	-3.52e-05	0.0	1.27e-06
859	107	-2.37e-04	4.37e-03	-0.01	-3.66e-06	0.0	1.26e-06
859	114	-1.13	0.29	-0.04	-2.74e-04	0.0	9.05e-05
859	115	-1.41	-0.53	-0.03	5.02e-04	0.0	1.15e-04
859	132	0.85	1.42	-0.02	-1.33e-03	0.0	-6.94e-05
859	146	-1.27	0.33	-0.04	-3.07e-04	0.0	1.02e-04
859	147	-1.59	-0.60	-0.03	5.65e-04	0.0	1.29e-04
859	168	0.90	1.59	-0.02	-1.50e-03	0.0	-7.92e-05
859	178	-1.27	0.32	-0.04	-3.02e-04	0.0	1.01e-04
859	179	-1.59	-0.59	-0.03	5.58e-04	0.0	1.28e-04
859	200	0.91	1.57	-0.02	-1.48e-03	0.0	-8.04e-05
859	210	-1.49	0.38	-0.04	-3.49e-04	0.0	1.18e-04
859	211	-1.87	-0.69	-0.04	6.51e-04	0.0	1.50e-04
859	232	1.08	1.83	-0.02	-1.72e-03	0.0	-9.64e-05
860	4	5.30e-03	0.23	-0.04	-1.47e-04	0.0	3.15e-06
860	18	4.11e-03	0.38	-0.03	-2.41e-04	0.0	2.80e-06
860	52	5.93e-03	0.01	-0.04	-5.60e-06	0.0	3.04e-06
860	68	3.74e-03	0.16	-0.03	-9.86e-05	0.0	2.19e-06
860	75	2.95e-03	0.26	-0.02	-1.61e-04	0.0	1.95e-06

860	92	4.16e-03	7.71e-03	-0.03	-3.97e-06	0.0	2.11e-06
860	98	3.46e-03	6.41e-03	-0.02	-3.33e-06	0.0	1.71e-06
860	103	3.15e-03	0.06	-0.02	-3.47e-05	0.0	1.64e-06
860	107	3.29e-03	6.13e-03	-0.02	-3.20e-06	0.0	1.62e-06
860	112	2.13	0.80	9.09e-03	-5.01e-04	0.0	-1.67e-04
860	114	-1.70	0.44	-0.06	-2.66e-04	0.0	1.34e-04
860	132	1.29	2.11	-0.03	-1.31e-03	0.0	-1.03e-04
860	144	2.40	0.90	0.01	-5.64e-04	0.0	-1.88e-04
860	146	-1.92	0.49	-0.07	-2.98e-04	0.0	1.51e-04
860	168	1.36	2.37	-0.03	-1.47e-03	0.0	-1.18e-04
860	176	2.40	0.89	0.01	-5.57e-04	0.0	-1.87e-04
860	178	-1.92	0.48	-0.07	-2.93e-04	0.0	1.50e-04
860	200	1.38	2.34	-0.03	-1.45e-03	0.0	-1.20e-04
860	208	2.83	1.04	0.02	-6.49e-04	0.0	-2.20e-04
860	210	-2.25	0.56	-0.08	-3.39e-04	0.0	1.75e-04
860	232	1.64	2.73	-0.03	-1.69e-03	0.0	-1.44e-04
861	4	0.02	0.31	-0.05	-1.47e-04	0.0	3.31e-06
861	18	0.02	0.51	-0.05	-2.41e-04	0.0	3.03e-06
861	52	0.02	0.01	-0.05	-4.99e-06	0.0	3.06e-06
861	68	0.01	0.21	-0.04	-9.81e-05	0.0	2.28e-06
861	75	0.01	0.34	-0.03	-1.61e-04	0.0	2.09e-06
861	92	0.01	9.61e-03	-0.04	-3.55e-06	0.0	2.11e-06
861	98	0.01	8.02e-03	-0.03	-3.02e-06	0.0	1.70e-06
861	103	0.01	0.07	-0.03	-3.44e-05	0.0	1.65e-06
861	107	0.01	7.68e-03	-0.03	-2.91e-06	0.0	1.60e-06
861	112	2.89	1.07	0.02	-4.92e-04	0.0	-2.22e-04
861	114	-2.30	0.57	-0.10	-2.56e-04	0.0	1.78e-04
861	132	1.75	2.79	-0.04	-1.28e-03	0.0	-1.37e-04
861	144	3.26	1.20	0.03	-5.54e-04	0.0	-2.50e-04
861	146	-2.59	0.64	-0.11	-2.88e-04	0.0	2.00e-04
861	168	1.84	3.14	-0.05	-1.44e-03	0.0	-1.56e-04
861	176	3.26	1.18	0.02	-5.47e-04	0.0	-2.49e-04
861	178	-2.59	0.63	-0.10	-2.83e-04	0.0	1.98e-04
861	200	1.87	3.10	-0.05	-1.42e-03	0.0	-1.59e-04
861	208	3.83	1.38	0.03	-6.37e-04	0.0	-2.92e-04
861	210	-3.05	0.73	-0.12	-3.28e-04	0.0	2.32e-04
861	232	2.22	3.60	-0.05	-1.65e-03	0.0	-1.90e-04
862	4	-2.17e-03	0.08	-0.02	-1.48e-04	0.0	1.36e-06
862	18	-1.95e-03	0.13	-0.02	-2.42e-04	0.0	1.18e-06
862	68	-1.47e-03	0.05	-0.01	-9.89e-05	0.0	0.0
862	75	-1.33e-03	0.08	-0.01	-1.62e-04	0.0	0.0
862	98	-1.05e-03	1.95e-03	-0.01	-3.59e-06	0.0	0.0
862	103	-1.01e-03	0.02	-0.01	-3.50e-05	0.0	0.0
862	107	-9.70e-04	1.86e-03	-0.01	-3.44e-06	0.0	0.0
862	115	-0.69	-0.30	-0.13	5.60e-04	0.0	5.68e-05
862	136	0.39	0.73	0.06	-1.37e-03	0.0	-3.45e-05
862	147	-0.78	-0.33	-0.14	6.31e-04	0.0	6.39e-05
862	168	0.44	0.82	0.07	-1.54e-03	0.0	-3.91e-05
862	179	-0.78	-0.33	-0.14	6.24e-04	0.0	6.35e-05
862	200	0.45	0.81	0.07	-1.52e-03	0.0	-3.97e-05
862	211	-0.92	-0.39	-0.17	7.28e-04	0.0	7.44e-05
862	232	0.53	0.94	0.08	-1.78e-03	0.0	-4.76e-05
863	1	0.0	0.0	0.0	-1.45e-04	0.0	0.0
863	65	0.0	0.0	0.0	-9.72e-05	0.0	0.0
863	97	0.0	0.0	0.0	-2.61e-06	0.0	0.0
863	106	0.0	0.0	0.0	-2.61e-06	0.0	0.0
863	108	0.0	0.0	0.0	-5.60e-04	0.0	-2.61e-06
863	140	0.0	0.0	0.0	-6.29e-04	0.0	-2.94e-06
863	172	0.0	0.0	0.0	-6.21e-04	0.0	-2.92e-06
863	204	0.0	0.0	0.0	-7.22e-04	0.0	-3.43e-06
864	4	-8.08e-04	0.16	-0.03	-1.47e-04	0.0	2.53e-06
864	18	-9.47e-04	0.25	-0.03	-2.41e-04	0.0	2.21e-06
864	68	-5.11e-04	0.10	-0.02	-9.85e-05	0.0	1.76e-06
864	75	-6.04e-04	0.17	-0.02	-1.61e-04	0.0	1.55e-06
864	98	-1.24e-04	3.73e-03	-0.02	-3.28e-06	0.0	1.41e-06
864	103	-1.87e-04	0.04	-0.02	-3.47e-05	0.0	1.34e-06
864	106	1.00e-04	2.63e-03	-0.02	-2.36e-06	0.0	0.0
864	107	-9.23e-05	3.57e-03	-0.02	-3.15e-06	0.0	1.33e-06
864	114	-1.13	0.24	-0.22	-2.26e-04	0.0	9.05e-05
864	115	-1.41	-0.59	-0.17	5.55e-04	0.0	1.15e-04
864	136	0.79	1.44	-0.05	-1.35e-03	0.0	-6.99e-05
864	146	-1.27	0.27	-0.24	-2.53e-04	0.0	1.02e-04
864	147	-1.59	-0.67	-0.19	6.25e-04	0.0	1.29e-04
864	168	0.90	1.62	-0.05	-1.52e-03	0.0	-7.92e-05
864	178	-1.27	0.26	-0.24	-2.49e-04	0.0	1.01e-04

864	179	-1.59	-0.66	-0.19	6.18e-04	0.0	1.28e-04
864	200	0.91	1.60	-0.05	-1.51e-03	0.0	-8.04e-05
864	210	-1.49	0.30	-0.28	-2.87e-04	0.0	1.18e-04
864	211	-1.87	-0.77	-0.22	7.21e-04	0.0	1.50e-04
864	232	1.08	1.87	-0.05	-1.75e-03	0.0	-9.64e-05
865	4	6.36e-03	0.23	-0.05	-1.47e-04	0.0	3.47e-06
865	18	5.06e-03	0.38	-0.05	-2.41e-04	0.0	3.07e-06
865	52	6.97e-03	8.90e-03	-0.05	-5.17e-06	0.0	3.36e-06
865	68	4.48e-03	0.16	-0.04	-9.82e-05	0.0	2.41e-06
865	75	3.61e-03	0.25	-0.04	-1.61e-04	0.0	2.14e-06
865	92	4.88e-03	6.29e-03	-0.04	-3.68e-06	0.0	2.33e-06
865	98	4.05e-03	5.26e-03	-0.03	-3.11e-06	0.0	1.90e-06
865	103	3.72e-03	0.05	-0.03	-3.45e-05	0.0	1.82e-06
865	107	3.85e-03	5.04e-03	-0.03	-2.99e-06	0.0	1.79e-06
865	112	2.13	0.89	0.16	-5.53e-04	0.0	-1.67e-04
865	114	-1.69	0.36	-0.27	-2.18e-04	0.0	1.34e-04
865	136	1.20	2.15	-0.07	-1.33e-03	0.0	-1.04e-04
865	144	2.40	1.00	0.18	-6.22e-04	0.0	-1.88e-04
865	146	-1.91	0.40	-0.30	-2.45e-04	0.0	1.51e-04
865	168	1.35	2.42	-0.07	-1.50e-03	0.0	-1.18e-04
865	176	2.40	0.99	0.18	-6.15e-04	0.0	-1.87e-04
865	178	-1.91	0.39	-0.30	-2.41e-04	0.0	1.50e-04
865	200	1.37	2.39	-0.07	-1.48e-03	0.0	-1.20e-04
865	208	2.82	1.16	0.22	-7.17e-04	0.0	-2.20e-04
865	210	-2.25	0.45	-0.35	-2.78e-04	0.0	1.75e-04
865	232	1.63	2.78	-0.07	-1.72e-03	0.0	-1.44e-04
866	4	0.03	0.31	-0.08	-1.48e-04	0.0	4.97e-06
866	18	0.02	0.51	-0.07	-2.42e-04	0.0	4.45e-06
866	52	0.03	0.01	-0.08	-6.54e-06	0.0	4.76e-06
866	68	0.02	0.21	-0.06	-9.90e-05	0.0	3.45e-06
866	75	0.02	0.34	-0.05	-1.62e-04	0.0	3.10e-06
866	92	0.02	7.65e-03	-0.06	-4.65e-06	0.0	3.31e-06
866	98	0.02	6.42e-03	-0.05	-3.95e-06	0.0	2.70e-06
866	103	0.01	0.07	-0.05	-3.53e-05	0.0	2.59e-06
866	107	0.01	6.17e-03	-0.05	-3.81e-06	0.0	2.55e-06
866	112	2.93	1.18	0.15	-5.44e-04	0.0	-2.20e-04
866	114	-2.32	0.47	-0.30	-2.09e-04	0.0	1.78e-04
866	136	1.66	2.84	-0.09	-1.30e-03	0.0	-1.38e-04
866	144	3.30	1.33	0.17	-6.12e-04	0.0	-2.49e-04
866	146	-2.62	0.52	-0.33	-2.34e-04	0.0	2.00e-04
866	168	1.87	3.20	-0.09	-1.46e-03	0.0	-1.56e-04
866	176	3.30	1.32	0.17	-6.05e-04	0.0	-2.47e-04
866	178	-2.61	0.51	-0.33	-2.30e-04	0.0	1.98e-04
866	200	1.89	3.16	-0.09	-1.44e-03	0.0	-1.59e-04
866	208	3.88	1.53	0.21	-7.05e-04	0.0	-2.91e-04
866	210	-3.08	0.59	-0.37	-2.65e-04	0.0	2.31e-04
866	232	2.25	3.68	-0.09	-1.68e-03	0.0	-1.90e-04
867	4	0.01	0.29	-0.23	-1.92e-04	0.0	-5.98e-05
867	28	0.01	-0.43	-0.22	9.12e-05	0.0	-6.20e-05
867	44	0.01	-0.67	-0.19	1.93e-04	0.0	-5.44e-05
867	68	8.67e-03	0.19	-0.16	-1.29e-04	0.0	-4.17e-05
867	80	9.49e-03	-0.29	-0.16	5.93e-05	0.0	-4.32e-05
867	88	8.19e-03	-0.45	-0.14	1.27e-04	0.0	-3.82e-05
867	98	7.76e-03	-0.04	-0.13	-2.91e-05	0.0	-3.49e-05
867	105	7.32e-03	-0.12	-0.12	4.01e-06	0.0	-3.33e-05
867	107	7.32e-03	-0.04	-0.12	-2.76e-05	0.0	-3.31e-05
867	112	3.34	0.10	-0.16	-8.21e-05	0.0	-3.03e-04
867	124	-0.18	3.01	-0.20	-1.20e-03	0.0	-1.96e-04
867	129	1.86	-3.58	-0.06	1.33e-03	0.0	-1.78e-05
867	144	3.76	0.12	-0.16	-8.81e-05	0.0	-3.37e-04
867	156	-0.20	3.39	-0.20	-1.34e-03	0.0	-2.17e-04
867	161	2.10	-4.02	-0.06	1.50e-03	0.0	-1.59e-05
867	176	3.76	0.11	-0.16	-8.28e-05	0.0	-3.36e-04
867	188	-0.21	3.35	-0.20	-1.33e-03	0.0	-2.17e-04
867	193	2.13	-3.98	-0.06	1.48e-03	0.0	-1.72e-05
867	208	4.42	0.12	-0.17	-8.75e-05	0.0	-3.88e-04
867	220	-0.25	3.91	-0.22	-1.54e-03	0.0	-2.50e-04
867	225	2.53	-4.64	-0.05	1.74e-03	0.0	-1.56e-05
868	4	0.01	0.38	-0.31	-2.14e-04	0.0	-3.70e-05
868	28	0.01	-0.46	-0.30	6.64e-05	0.0	-3.72e-05
868	44	0.01	-0.74	-0.25	1.70e-04	0.0	-3.22e-05
868	68	7.97e-03	0.25	-0.22	-1.45e-04	0.0	-2.58e-05
868	80	8.91e-03	-0.31	-0.21	4.19e-05	0.0	-2.60e-05
868	88	7.70e-03	-0.50	-0.18	1.11e-04	0.0	-2.26e-05
868	98	7.31e-03	-0.02	-0.17	-4.26e-05	0.0	-2.14e-05

868	105	6.90e-03	-0.12	-0.16	-9.09e-06	0.0	-2.03e-05
868	107	6.90e-03	-0.02	-0.17	-4.04e-05	0.0	-2.03e-05
868	112	3.81	0.14	-0.21	-9.43e-05	0.0	-3.36e-04
868	124	-0.21	3.53	-0.25	-1.19e-03	0.0	0.0
868	129	2.12	-4.14	-0.10	1.30e-03	0.0	-2.12e-04
868	144	4.29	0.16	-0.21	-1.00e-04	0.0	-3.76e-04
868	156	-0.23	3.98	-0.26	-1.34e-03	0.0	2.15e-06
868	161	2.40	-4.66	-0.09	1.47e-03	0.0	-2.37e-04
868	176	4.29	0.15	-0.21	-9.50e-05	0.0	-3.74e-04
868	188	-0.24	3.93	-0.25	-1.32e-03	0.0	3.76e-06
868	193	2.43	-4.62	-0.09	1.45e-03	0.0	-2.41e-04
868	208	5.04	0.16	-0.22	-9.96e-05	0.0	-4.36e-04
868	220	-0.28	4.58	-0.27	-1.53e-03	0.0	9.81e-06
868	225	2.89	-5.39	-0.08	1.70e-03	0.0	-2.84e-04
869	4	0.01	0.49	-0.44	5.36e-05	0.0	-7.61e-06
869	28	0.01	-0.48	-0.42	2.03e-04	0.0	-3.80e-06
869	45	4.22e-03	-0.81	-0.13	1.66e-04	0.0	2.17e-06
869	68	7.81e-03	0.32	-0.31	4.01e-05	0.0	-5.25e-06
869	80	8.87e-03	-0.32	-0.30	1.40e-04	0.0	-2.71e-06
869	85	4.55e-03	-0.54	-0.15	1.29e-04	0.0	0.0
869	98	7.31e-03	2.06e-03	-0.25	7.56e-05	0.0	-3.53e-06
869	103	6.56e-03	0.11	-0.24	5.47e-05	0.0	-3.63e-06
869	107	6.91e-03	2.01e-03	-0.24	7.19e-05	0.0	-3.34e-06
869	112	4.29	0.19	-0.28	-4.42e-04	0.0	-3.73e-04
869	124	-0.23	4.05	-0.33	-1.17e-03	0.0	1.62e-05
869	130	-2.38	4.70	-0.31	-1.17e-03	0.0	2.18e-04
869	144	4.83	0.21	-0.29	-5.07e-04	0.0	-4.20e-04
869	156	-0.27	4.55	-0.34	-1.32e-03	0.0	1.91e-05
869	162	-2.68	5.28	-0.32	-1.32e-03	0.0	2.47e-04
869	176	4.83	0.19	-0.29	-4.91e-04	0.0	-4.19e-04
869	188	-0.27	4.50	-0.34	-1.30e-03	0.0	2.07e-05
869	194	-2.72	5.24	-0.32	-1.30e-03	0.0	2.51e-04
869	208	5.68	0.21	-0.29	-5.79e-04	0.0	-4.92e-04
869	220	-0.32	5.24	-0.35	-1.53e-03	0.0	2.69e-05
869	226	-3.24	6.11	-0.34	-1.53e-03	0.0	3.01e-04
870	4	0.01	0.32	-0.16	-1.73e-04	0.0	-4.73e-05
870	44	0.01	-0.64	-0.13	2.11e-04	0.0	-4.21e-05
870	52	0.01	-0.04	-0.16	-3.13e-05	0.0	-4.81e-05
870	68	8.39e-03	0.22	-0.11	-1.16e-04	0.0	-3.30e-05
870	88	7.89e-03	-0.43	-0.09	1.40e-04	0.0	-2.96e-05
870	92	9.19e-03	-0.03	-0.11	-2.19e-05	0.0	-3.36e-05
870	98	7.52e-03	-0.02	-0.09	-1.79e-05	0.0	-2.75e-05
870	105	7.09e-03	-0.10	-0.09	1.47e-05	0.0	-2.61e-05
870	107	7.09e-03	-0.02	-0.09	-1.70e-05	0.0	-2.61e-05
870	112	3.34	0.26	-0.10	-1.25e-04	0.0	-2.95e-04
870	124	-0.18	3.06	-0.13	-1.19e-03	0.0	-9.47e-06
870	129	1.86	-3.50	-0.05	1.31e-03	0.0	-1.90e-04
870	144	3.76	0.29	-0.11	-1.38e-04	0.0	-3.29e-04
870	156	-0.21	3.44	-0.13	-1.34e-03	0.0	-7.09e-06
870	161	2.10	-3.94	-0.05	1.48e-03	0.0	-2.11e-04
870	176	3.76	0.28	-0.10	-1.32e-04	0.0	-3.28e-04
870	188	-0.21	3.40	-0.13	-1.32e-03	0.0	-5.88e-06
870	193	2.13	-3.90	-0.05	1.46e-03	0.0	-2.14e-04
870	208	4.42	0.32	-0.11	-1.47e-04	0.0	-3.81e-04
870	220	-0.25	3.96	-0.14	-1.53e-03	0.0	0.0
870	225	2.53	-4.54	-0.04	1.71e-03	0.0	-2.50e-04
871	4	0.01	0.40	-0.21	-1.85e-04	0.0	-3.00e-05
871	44	0.01	-0.73	-0.18	1.99e-04	0.0	-2.53e-05
871	52	0.01	-0.02	-0.21	-4.36e-05	0.0	-3.02e-05
871	68	7.84e-03	0.27	-0.15	-1.24e-04	0.0	-2.10e-05
871	88	7.52e-03	-0.48	-0.12	1.32e-04	0.0	-1.78e-05
871	92	8.75e-03	-0.01	-0.15	-3.04e-05	0.0	-2.11e-05
871	98	7.19e-03	-0.01	-0.12	-2.49e-05	0.0	-1.73e-05
871	105	6.78e-03	-0.10	-0.12	7.99e-06	0.0	-1.63e-05
871	107	6.79e-03	-9.72e-03	-0.12	-2.37e-05	0.0	-1.64e-05
871	112	3.81	0.32	-0.13	-1.31e-04	0.0	-3.31e-04
871	124	-0.21	3.57	-0.16	-1.18e-03	0.0	2.97e-06
871	129	2.13	-4.06	-0.08	1.29e-03	0.0	-2.08e-04
871	144	4.29	0.36	-0.14	-1.43e-04	0.0	-3.71e-04
871	156	-0.24	4.02	-0.17	-1.33e-03	0.0	5.77e-06
871	161	2.40	-4.57	-0.07	1.45e-03	0.0	-2.33e-04
871	176	4.29	0.34	-0.14	-1.38e-04	0.0	-3.70e-04
871	188	-0.24	3.97	-0.17	-1.31e-03	0.0	7.34e-06
871	193	2.43	-4.52	-0.07	1.44e-03	0.0	-2.36e-04
871	208	5.05	0.39	-0.14	-1.53e-04	0.0	-4.31e-04

871	220	-0.28	4.62	-0.17	-1.52e-03	0.0	1.33e-05
871	225	2.89	-5.28	-0.06	1.68e-03	0.0	-2.79e-04
872	4	0.01	0.49	-0.31	-3.52e-06	0.0	-6.17e-06
872	45	4.00e-03	-0.81	-0.10	1.68e-04	0.0	1.79e-06
872	52	0.01	5.67e-03	-0.30	8.35e-05	0.0	-5.30e-06
872	68	7.65e-03	0.33	-0.22	0.0	0.0	-4.28e-06
872	75	5.78e-03	0.54	-0.20	-4.47e-05	0.0	-4.19e-06
872	92	8.68e-03	4.02e-03	-0.21	5.87e-05	0.0	-3.69e-06
872	98	7.15e-03	3.35e-03	-0.18	4.87e-05	0.0	-2.98e-06
872	103	6.41e-03	0.11	-0.17	2.71e-05	0.0	-3.02e-06
872	107	6.75e-03	3.24e-03	-0.17	4.65e-05	0.0	-2.82e-06
872	112	4.29	0.38	-0.19	-3.22e-04	0.0	-3.63e-04
872	124	-0.23	4.08	-0.22	-9.04e-04	0.0	1.89e-05
872	130	-2.38	4.62	-0.22	-9.04e-04	0.0	2.16e-04
872	144	4.83	0.42	-0.19	-3.68e-04	0.0	-4.09e-04
872	156	-0.27	4.59	-0.23	-1.02e-03	0.0	2.20e-05
872	162	-2.69	5.20	-0.22	-1.02e-03	0.0	2.44e-04
872	176	4.83	0.40	-0.19	-3.57e-04	0.0	-4.07e-04
872	188	-0.27	4.54	-0.23	-1.01e-03	0.0	2.37e-05
872	194	-2.72	5.15	-0.22	-1.01e-03	0.0	2.48e-04
872	208	5.68	0.45	-0.19	-4.21e-04	0.0	-4.78e-04
872	220	-0.32	5.28	-0.23	-1.18e-03	0.0	3.04e-05
872	226	-3.24	6.00	-0.23	-1.18e-03	0.0	2.97e-04
873	4	0.01	0.35	-0.11	-1.59e-04	0.0	-3.29e-05
873	44	0.01	-0.62	-0.10	2.24e-04	0.0	-2.84e-05
873	52	0.01	-0.01	-0.11	-1.69e-05	0.0	-3.32e-05
873	68	8.45e-03	0.23	-0.08	-1.06e-04	0.0	-2.30e-05
873	88	7.87e-03	-0.41	-0.07	1.49e-04	0.0	-2.00e-05
873	92	9.22e-03	-9.22e-03	-0.08	-1.18e-05	0.0	-2.32e-05
873	98	7.55e-03	-7.51e-03	-0.07	-9.68e-06	0.0	-1.90e-05
873	105	7.11e-03	-0.09	-0.06	2.27e-05	0.0	-1.80e-05
873	107	7.12e-03	-7.07e-03	-0.06	-9.19e-06	0.0	-1.80e-05
873	112	3.34	0.41	-0.07	-1.71e-04	0.0	-2.87e-04
873	128	-0.31	3.09	-0.09	-1.19e-03	0.0	-3.75e-06
873	129	1.86	-3.43	-0.04	1.29e-03	0.0	-1.81e-04
873	144	3.76	0.46	-0.07	-1.90e-04	0.0	-3.21e-04
873	160	-0.35	3.48	-0.09	-1.34e-03	0.0	-1.96e-06
873	161	2.10	-3.86	-0.04	1.46e-03	0.0	-2.02e-04
873	176	3.76	0.45	-0.07	-1.85e-04	0.0	-3.20e-04
873	192	-0.33	3.43	-0.09	-1.32e-03	0.0	-3.27e-06
873	193	2.13	-3.82	-0.04	1.44e-03	0.0	-2.05e-04
873	208	4.42	0.52	-0.07	-2.10e-04	0.0	-3.72e-04
873	224	-0.36	3.98	-0.09	-1.53e-03	0.0	-1.96e-06
873	225	2.53	-4.45	-0.04	1.68e-03	0.0	-2.41e-04
874	4	0.01	0.42	-0.15	-1.64e-04	0.0	-2.10e-05
874	44	0.01	-0.71	-0.13	2.20e-04	0.0	-1.68e-05
874	52	0.01	-4.06e-03	-0.15	-2.22e-05	0.0	-2.09e-05
874	68	8.00e-03	0.28	-0.11	-1.10e-04	0.0	-1.46e-05
874	88	7.59e-03	-0.48	-0.09	1.46e-04	0.0	-1.19e-05
874	92	8.89e-03	-2.76e-03	-0.11	-1.55e-05	0.0	-1.46e-05
874	98	7.30e-03	-2.22e-03	-0.09	-1.27e-05	0.0	-1.19e-05
874	105	6.87e-03	-0.10	-0.08	1.98e-05	0.0	-1.11e-05
874	107	6.89e-03	-2.04e-03	-0.08	-1.21e-05	0.0	-1.13e-05
874	112	3.81	0.49	-0.09	-1.72e-04	0.0	-3.26e-04
874	128	-0.36	3.60	-0.11	-1.18e-03	0.0	5.58e-06
874	129	2.13	-3.99	-0.06	1.28e-03	0.0	-2.02e-04
874	144	4.29	0.55	-0.10	-1.92e-04	0.0	-3.66e-04
874	160	-0.40	4.05	-0.11	-1.33e-03	0.0	7.71e-06
874	161	2.40	-4.49	-0.06	1.44e-03	0.0	-2.27e-04
874	176	4.30	0.53	-0.10	-1.86e-04	0.0	-3.64e-04
874	192	-0.37	3.99	-0.11	-1.31e-03	0.0	6.27e-06
874	193	2.43	-4.44	-0.06	1.43e-03	0.0	-2.30e-04
874	208	5.05	0.61	-0.10	-2.11e-04	0.0	-4.26e-04
874	224	-0.41	4.64	-0.12	-1.51e-03	0.0	7.91e-06
874	225	2.89	-5.17	-0.06	1.66e-03	0.0	-2.73e-04
875	4	0.01	0.49	-0.22	-1.15e-05	0.0	-4.28e-06
875	18	8.14e-03	0.81	-0.20	-7.77e-05	0.0	-4.10e-06
875	52	0.01	7.69e-03	-0.22	7.44e-05	0.0	-3.81e-06
875	68	7.65e-03	0.33	-0.16	-4.89e-06	0.0	-2.98e-06
875	75	5.79e-03	0.54	-0.14	-4.90e-05	0.0	-2.85e-06
875	92	8.65e-03	5.44e-03	-0.15	5.24e-05	0.0	-2.66e-06
875	98	7.11e-03	4.51e-03	-0.13	4.36e-05	0.0	-2.15e-06
875	103	6.38e-03	0.11	-0.12	2.26e-05	0.0	-2.15e-06
875	107	6.71e-03	4.34e-03	-0.12	4.17e-05	0.0	-2.04e-06
875	112	4.29	0.56	-0.13	-3.46e-04	0.0	-3.61e-04

875	128	-0.40	4.11	-0.15	-9.36e-04	0.0	1.72e-05
875	130	-2.38	4.55	-0.15	-1.00e-03	0.0	2.16e-04
875	144	4.83	0.63	-0.14	-3.94e-04	0.0	-4.07e-04
875	160	-0.45	4.62	-0.15	-1.06e-03	0.0	1.96e-05
875	162	-2.69	5.11	-0.15	-1.13e-03	0.0	2.44e-04
875	176	4.83	0.61	-0.13	-3.83e-04	0.0	-4.05e-04
875	192	-0.42	4.56	-0.15	-1.04e-03	0.0	1.79e-05
875	194	-2.72	5.06	-0.15	-1.11e-03	0.0	2.48e-04
875	208	5.68	0.70	-0.14	-4.50e-04	0.0	-4.75e-04
875	224	-0.46	5.29	-0.16	-1.22e-03	0.0	1.97e-05
875	226	-3.24	5.90	-0.16	-1.30e-03	0.0	2.96e-04
876	4	0.01	0.36	-0.09	-1.50e-04	0.0	-2.06e-05
876	47	8.68e-03	-0.61	-0.05	2.35e-04	0.0	-1.28e-05
876	52	0.01	1.16e-03	-0.08	-7.33e-06	0.0	-2.08e-05
876	68	8.68e-03	0.24	-0.06	-9.99e-05	0.0	-1.44e-05
876	87	7.59e-03	-0.40	-0.05	1.56e-04	0.0	-1.14e-05
876	92	9.43e-03	8.70e-04	-0.06	-5.13e-06	0.0	-1.45e-05
876	98	7.72e-03	7.60e-04	-0.05	-4.21e-06	0.0	-1.19e-05
876	102	4.45e-03	0.08	-0.04	-3.44e-05	0.0	-7.57e-06
876	106	4.69e-03	8.58e-04	-0.04	-2.79e-06	0.0	-7.60e-06
876	107	7.29e-03	7.74e-04	-0.05	-4.00e-06	0.0	-1.13e-05
876	112	3.34	0.56	-0.05	-2.19e-04	0.0	-2.80e-04
876	130	-1.85	3.37	-0.06	-1.28e-03	0.0	1.52e-04
876	144	3.76	0.63	-0.05	-2.45e-04	0.0	-3.15e-04
876	162	-2.09	3.79	-0.06	-1.44e-03	0.0	1.73e-04
876	176	3.76	0.62	-0.05	-2.39e-04	0.0	-3.13e-04
876	194	-2.12	3.75	-0.06	-1.43e-03	0.0	1.75e-04
876	208	4.43	0.71	-0.05	-2.75e-04	0.0	-3.66e-04
876	226	-2.52	4.36	-0.06	-1.66e-03	0.0	2.12e-04
877	4	0.01	0.43	-0.11	-1.51e-04	0.0	-1.33e-05
877	45	4.01e-03	-0.71	-0.04	2.37e-04	0.0	-3.29e-06
877	52	0.01	4.84e-03	-0.11	-8.56e-06	0.0	-1.32e-05
877	68	8.28e-03	0.28	-0.08	-1.01e-04	0.0	-9.30e-06
877	85	4.43e-03	-0.47	-0.05	1.57e-04	0.0	-4.04e-06
877	92	9.14e-03	3.45e-03	-0.08	-5.98e-06	0.0	-9.23e-06
877	98	7.50e-03	2.87e-03	-0.07	-4.90e-06	0.0	-7.57e-06
877	103	6.79e-03	0.10	-0.07	-3.63e-05	0.0	-7.21e-06
877	107	7.08e-03	2.78e-03	-0.06	-4.66e-06	0.0	-7.19e-06
877	112	3.81	0.66	-0.07	-2.17e-04	0.0	-3.22e-04
877	130	-2.11	3.92	-0.08	-1.27e-03	0.0	1.84e-04
877	144	4.30	0.74	-0.07	-2.43e-04	0.0	-3.62e-04
877	162	-2.39	4.41	-0.08	-1.43e-03	0.0	2.09e-04
877	176	4.30	0.72	-0.07	-2.38e-04	0.0	-3.60e-04
877	194	-2.42	4.36	-0.08	-1.41e-03	0.0	2.12e-04
877	208	5.05	0.83	-0.07	-2.73e-04	0.0	-4.21e-04
877	226	-2.88	5.08	-0.08	-1.65e-03	0.0	2.55e-04
878	4	0.01	0.49	-0.16	-1.24e-05	0.0	-3.07e-06
878	18	8.43e-03	0.81	-0.15	-7.70e-05	0.0	-2.78e-06
878	52	0.01	8.91e-03	-0.16	7.17e-05	0.0	-2.96e-06
878	68	7.85e-03	0.33	-0.12	-5.55e-06	0.0	-2.15e-06
878	75	5.99e-03	0.54	-0.11	-4.86e-05	0.0	-1.96e-06
878	92	8.81e-03	6.29e-03	-0.11	5.05e-05	0.0	-2.08e-06
878	98	7.24e-03	5.19e-03	-0.10	4.20e-05	0.0	-1.71e-06
878	103	6.51e-03	0.11	-0.09	2.14e-05	0.0	-1.65e-06
878	107	6.84e-03	4.99e-03	-0.09	4.01e-05	0.0	-1.63e-06
878	112	4.29	0.75	-0.09	-3.21e-04	0.0	-3.61e-04
878	130	-2.38	4.47	-0.11	-9.87e-04	0.0	2.17e-04
878	144	4.83	0.84	-0.09	-3.66e-04	0.0	-4.07e-04
878	162	-2.69	5.03	-0.11	-1.11e-03	0.0	2.45e-04
878	176	4.83	0.82	-0.09	-3.57e-04	0.0	-4.05e-04
878	194	-2.72	4.97	-0.11	-1.10e-03	0.0	2.49e-04
878	208	5.68	0.95	-0.09	-4.20e-04	0.0	-4.75e-04
878	226	-3.24	5.79	-0.11	-1.28e-03	0.0	2.98e-04
879	4	0.01	0.37	-0.07	-1.44e-04	0.0	-1.17e-05
879	18	0.01	0.61	-0.06	-2.39e-04	0.0	-1.00e-05
879	52	0.01	9.49e-03	-0.07	-2.14e-06	0.0	-1.18e-05
879	68	9.04e-03	0.25	-0.05	-9.64e-05	0.0	-8.16e-06
879	75	7.22e-03	0.41	-0.04	-1.60e-04	0.0	-7.09e-06
879	92	9.76e-03	6.69e-03	-0.05	-1.51e-06	0.0	-8.23e-06
879	98	7.99e-03	5.54e-03	-0.04	-1.25e-06	0.0	-6.77e-06
879	103	7.30e-03	0.09	-0.04	-3.28e-05	0.0	-6.41e-06
879	107	7.54e-03	5.31e-03	-0.04	-1.20e-06	0.0	-6.43e-06
879	112	3.34	0.71	-0.04	-2.69e-04	0.0	-2.76e-04
879	130	-1.85	3.32	-0.05	-1.26e-03	0.0	1.57e-04
879	134	0.22	3.26	-0.05	-1.24e-03	0.0	-2.55e-05

879	144	3.77	0.79	-0.04	-3.02e-04	0.0	-3.10e-04
879	162	-2.09	3.73	-0.05	-1.42e-03	0.0	1.78e-04
879	166	0.24	3.66	-0.05	-1.39e-03	0.0	-2.82e-05
879	176	3.77	0.78	-0.04	-2.96e-04	0.0	-3.08e-04
879	194	-2.12	3.69	-0.05	-1.40e-03	0.0	1.81e-04
879	198	0.25	3.60	-0.05	-1.37e-03	0.0	-2.98e-05
879	208	4.43	0.90	-0.04	-3.43e-04	0.0	-3.61e-04
879	226	-2.52	4.29	-0.05	-1.63e-03	0.0	2.17e-04
879	230	0.29	4.19	-0.05	-1.59e-03	0.0	-3.55e-05
880	4	0.01	0.43	-0.09	-1.44e-04	0.0	-7.98e-06
880	18	9.55e-03	0.71	-0.08	-2.39e-04	0.0	-6.93e-06
880	52	0.01	0.01	-0.09	-1.43e-06	0.0	-8.02e-06
880	68	8.61e-03	0.29	-0.06	-9.60e-05	0.0	-5.60e-06
880	75	6.75e-03	0.48	-0.06	-1.59e-04	0.0	-4.89e-06
880	92	9.44e-03	7.19e-03	-0.06	-1.01e-06	0.0	-5.62e-06
880	98	7.74e-03	5.95e-03	-0.05	0.0	0.0	-4.64e-06
880	103	7.03e-03	0.10	-0.05	-3.25e-05	0.0	-4.41e-06
880	107	7.31e-03	5.70e-03	-0.05	0.0	0.0	-4.42e-06
880	112	3.81	0.82	-0.05	-2.66e-04	0.0	-3.19e-04
880	130	-2.12	3.86	-0.06	-1.24e-03	0.0	1.87e-04
880	134	0.25	3.79	-0.06	-1.22e-03	0.0	-2.60e-05
880	144	4.30	0.92	-0.05	-2.99e-04	0.0	-3.59e-04
880	162	-2.39	4.34	-0.06	-1.40e-03	0.0	2.12e-04
880	166	0.28	4.26	-0.06	-1.37e-03	0.0	-2.91e-05
880	176	4.30	0.91	-0.05	-2.93e-04	0.0	-3.57e-04
880	194	-2.42	4.28	-0.06	-1.38e-03	0.0	2.15e-04
880	198	0.28	4.19	-0.06	-1.35e-03	0.0	-3.09e-05
880	208	5.05	1.05	-0.05	-3.39e-04	0.0	-4.19e-04
880	226	-2.88	4.99	-0.06	-1.61e-03	0.0	2.58e-04
880	230	0.33	4.87	-0.07	-1.57e-03	0.0	-3.74e-05
881	4	0.01	0.49	-0.13	-1.11e-05	0.0	-2.83e-06
881	18	8.77e-03	0.82	-0.12	-7.47e-05	0.0	-2.37e-06
881	52	0.01	0.01	-0.13	7.15e-05	0.0	-3.00e-06
881	68	8.09e-03	0.33	-0.09	-4.73e-06	0.0	-2.01e-06
881	75	6.22e-03	0.54	-0.08	-4.72e-05	0.0	-1.71e-06
881	92	9.01e-03	7.36e-03	-0.09	5.03e-05	0.0	-2.13e-06
881	98	7.41e-03	6.08e-03	-0.08	4.19e-05	0.0	-1.79e-06
881	103	6.68e-03	0.11	-0.08	2.16e-05	0.0	-1.68e-06
881	107	6.99e-03	5.84e-03	-0.08	4.00e-05	0.0	-1.72e-06
881	112	4.29	0.94	-0.07	-3.03e-04	0.0	-3.61e-04
881	130	-2.38	4.39	-0.08	-9.89e-04	0.0	2.17e-04
881	134	0.28	4.31	-0.09	-9.14e-04	0.0	-2.60e-05
881	144	4.83	1.05	-0.07	-3.46e-04	0.0	-4.07e-04
881	162	-2.69	4.94	-0.09	-1.12e-03	0.0	2.46e-04
881	166	0.31	4.85	-0.09	-1.03e-03	0.0	-2.95e-05
881	176	4.83	1.03	-0.07	-3.38e-04	0.0	-4.05e-04
881	194	-2.72	4.88	-0.09	-1.10e-03	0.0	2.49e-04
881	198	0.32	4.77	-0.09	-1.02e-03	0.0	-3.15e-05
881	208	5.68	1.19	-0.07	-3.98e-04	0.0	-4.75e-04
881	226	-3.24	5.68	-0.09	-1.29e-03	0.0	2.98e-04
881	230	0.37	5.54	-0.09	-1.19e-03	0.0	-3.89e-05
882	4	0.01	0.37	-0.06	-1.43e-04	0.0	-5.70e-06
882	18	0.01	0.61	-0.05	-2.38e-04	0.0	-4.83e-06
882	52	0.01	0.01	-0.06	0.0	0.0	-5.90e-06
882	68	9.48e-03	0.25	-0.04	-9.51e-05	0.0	-4.01e-06
882	75	7.63e-03	0.41	-0.04	-1.58e-04	0.0	-3.43e-06
882	92	0.01	9.69e-03	-0.04	0.0	0.0	-4.14e-06
882	98	8.32e-03	8.02e-03	-0.04	0.0	0.0	-3.44e-06
882	103	7.63e-03	0.09	-0.04	-3.18e-05	0.0	-3.23e-06
882	107	7.85e-03	7.67e-03	-0.03	0.0	0.0	-3.28e-06
882	112	3.35	0.85	-0.03	-3.21e-04	0.0	-2.73e-04
882	114	-2.66	1.08	-0.05	-4.05e-04	0.0	2.11e-04
882	130	-1.85	3.27	-0.04	-1.23e-03	0.0	1.60e-04
882	144	3.77	0.95	-0.03	-3.61e-04	0.0	-3.07e-04
882	146	-3.00	1.21	-0.05	-4.56e-04	0.0	2.38e-04
882	162	-2.09	3.67	-0.04	-1.39e-03	0.0	1.81e-04
882	176	3.77	0.94	-0.03	-3.55e-04	0.0	-3.05e-04
882	178	-3.00	1.20	-0.05	-4.49e-04	0.0	2.36e-04
882	194	-2.12	3.62	-0.04	-1.37e-03	0.0	1.84e-04
882	208	4.43	1.09	-0.03	-4.12e-04	0.0	-3.58e-04
882	210	-3.53	1.39	-0.05	-5.22e-04	0.0	2.77e-04
882	226	-2.52	4.21	-0.04	-1.59e-03	0.0	2.20e-04
883	4	0.01	0.44	-0.08	-1.41e-04	0.0	-4.60e-06
883	18	9.98e-03	0.71	-0.07	-2.36e-04	0.0	-3.87e-06
883	52	0.01	0.01	-0.07	1.13e-06	0.0	-4.84e-06

883	68	8.93e-03	0.29	-0.05	-9.42e-05	0.0	-3.26e-06
883	75	7.05e-03	0.48	-0.05	-1.58e-04	0.0	-2.77e-06
883	92	9.73e-03	9.42e-03	-0.05	0.0	0.0	-3.41e-06
883	98	7.97e-03	7.81e-03	-0.05	0.0	0.0	-2.86e-06
883	103	7.26e-03	0.10	-0.05	-3.11e-05	0.0	-2.68e-06
883	107	7.52e-03	7.48e-03	-0.05	0.0	0.0	-2.73e-06
883	112	3.82	0.99	-0.04	-3.16e-04	0.0	-3.17e-04
883	114	-3.04	1.25	-0.06	-4.00e-04	0.0	2.48e-04
883	130	-2.12	3.80	-0.05	-1.22e-03	0.0	1.88e-04
883	144	4.30	1.11	-0.04	-3.56e-04	0.0	-3.57e-04
883	146	-3.43	1.41	-0.06	-4.50e-04	0.0	2.80e-04
883	162	-2.39	4.27	-0.05	-1.37e-03	0.0	2.13e-04
883	176	4.30	1.09	-0.04	-3.50e-04	0.0	-3.56e-04
883	178	-3.43	1.39	-0.06	-4.43e-04	0.0	2.77e-04
883	194	-2.42	4.21	-0.05	-1.35e-03	0.0	2.17e-04
883	208	5.05	1.26	-0.03	-4.06e-04	0.0	-4.17e-04
883	210	-4.03	1.61	-0.06	-5.15e-04	0.0	3.25e-04
883	226	-2.88	4.90	-0.05	-1.57e-03	0.0	2.59e-04
884	4	0.01	0.50	-0.11	-9.65e-06	0.0	-2.94e-06
884	18	8.72e-03	0.82	-0.10	-7.28e-05	0.0	-2.31e-06
884	52	0.01	0.01	-0.11	7.20e-05	0.0	-3.35e-06
884	68	8.02e-03	0.33	-0.08	-3.76e-06	0.0	-2.11e-06
884	75	6.17e-03	0.55	-0.07	-4.59e-05	0.0	-1.70e-06
884	92	8.91e-03	8.69e-03	-0.08	5.07e-05	0.0	-2.39e-06
884	98	7.31e-03	7.21e-03	-0.07	4.21e-05	0.0	-2.04e-06
884	103	6.59e-03	0.11	-0.07	2.20e-05	0.0	-1.87e-06
884	107	6.89e-03	6.92e-03	-0.07	4.02e-05	0.0	-1.96e-06
884	112	4.29	1.12	-0.06	-2.80e-04	0.0	-3.61e-04
884	114	-3.42	1.42	-0.08	-2.31e-04	0.0	2.85e-04
884	130	-2.38	4.32	-0.07	-9.64e-04	0.0	2.17e-04
884	144	4.83	1.26	-0.05	-3.20e-04	0.0	-4.07e-04
884	146	-3.85	1.60	-0.08	-2.65e-04	0.0	3.21e-04
884	162	-2.69	4.86	-0.07	-1.09e-03	0.0	2.46e-04
884	176	4.83	1.24	-0.05	-3.13e-04	0.0	-4.05e-04
884	178	-3.85	1.58	-0.08	-2.62e-04	0.0	3.18e-04
884	194	-2.72	4.79	-0.07	-1.07e-03	0.0	2.49e-04
884	208	5.68	1.44	-0.05	-3.70e-04	0.0	-4.75e-04
884	210	-4.53	1.83	-0.09	-3.11e-04	0.0	3.73e-04
884	226	-3.24	5.57	-0.08	-1.25e-03	0.0	2.98e-04
885	4	0.01	0.38	-0.05	-1.43e-04	0.0	-2.03e-06
885	18	0.01	0.61	-0.05	-2.38e-04	0.0	-1.57e-06
885	52	0.02	0.02	-0.05	0.0	0.0	-2.35e-06
885	68	9.98e-03	0.25	-0.04	-9.52e-05	0.0	-1.46e-06
885	75	8.09e-03	0.41	-0.04	-1.59e-04	0.0	-1.15e-06
885	92	0.01	0.01	-0.04	0.0	0.0	-1.68e-06
885	98	8.70e-03	9.12e-03	-0.03	0.0	0.0	-1.44e-06
885	103	8.00e-03	0.09	-0.03	-3.20e-05	0.0	-1.31e-06
885	107	8.21e-03	8.72e-03	-0.03	0.0	0.0	-1.38e-06
885	112	3.35	1.00	-0.02	-3.79e-04	0.0	-2.70e-04
885	114	-2.67	0.94	-0.05	-3.49e-04	0.0	2.13e-04
885	124	-0.18	3.23	-0.03	-1.22e-03	0.0	1.48e-05
885	144	3.77	1.12	-0.02	-4.26e-04	0.0	-3.05e-04
885	146	-3.01	1.06	-0.06	-3.93e-04	0.0	2.40e-04
885	156	-0.21	3.63	-0.03	-1.37e-03	0.0	1.72e-05
885	176	3.77	1.11	-0.02	-4.19e-04	0.0	-3.03e-04
885	178	-3.00	1.04	-0.06	-3.87e-04	0.0	2.38e-04
885	188	-0.21	3.57	-0.03	-1.35e-03	0.0	1.84e-05
885	208	4.44	1.28	-0.01	-4.87e-04	0.0	-3.56e-04
885	210	-3.53	1.21	-0.06	-4.50e-04	0.0	2.78e-04
885	220	-0.25	4.15	-0.03	-1.57e-03	0.0	2.33e-05
886	4	0.01	0.44	-0.07	-1.41e-04	0.0	-2.60e-06
886	18	0.01	0.72	-0.07	-2.37e-04	0.0	-1.99e-06
886	52	0.01	0.02	-0.07	0.0	0.0	-3.05e-06
886	68	9.31e-03	0.29	-0.05	-9.43e-05	0.0	-1.88e-06
886	75	7.40e-03	0.48	-0.05	-1.58e-04	0.0	-1.47e-06
886	92	0.01	0.01	-0.05	0.0	0.0	-2.17e-06
886	98	8.25e-03	8.98e-03	-0.04	0.0	0.0	-1.87e-06
886	103	7.53e-03	0.10	-0.04	-3.13e-05	0.0	-1.70e-06
886	107	7.79e-03	8.60e-03	-0.04	0.0	0.0	-1.80e-06
886	112	3.82	1.16	-0.03	-3.75e-04	0.0	-3.16e-04
886	114	-3.04	1.09	-0.07	-3.43e-04	0.0	2.49e-04
886	124	-0.21	3.75	-0.04	-1.20e-03	0.0	1.76e-05
886	144	4.30	1.30	-0.02	-4.21e-04	0.0	-3.56e-04
886	146	-3.43	1.23	-0.07	-3.86e-04	0.0	2.81e-04
886	156	-0.24	4.22	-0.04	-1.35e-03	0.0	2.04e-05

886	176	4.30	1.28	-0.02	-4.15e-04	0.0	-3.54e-04
886	178	-3.43	1.21	-0.07	-3.81e-04	0.0	2.78e-04
886	188	-0.24	4.15	-0.04	-1.33e-03	0.0	2.19e-05
886	208	5.06	1.49	-0.02	-4.82e-04	0.0	-4.16e-04
886	210	-4.03	1.40	-0.07	-4.43e-04	0.0	3.26e-04
886	220	-0.28	4.83	-0.04	-1.55e-03	0.0	2.79e-05
887	4	0.01	0.50	-0.10	-8.69e-06	0.0	-3.15e-06
887	18	8.95e-03	0.82	-0.09	-7.16e-05	0.0	-2.34e-06
887	52	0.01	0.01	-0.10	7.25e-05	0.0	-3.80e-06
887	68	8.17e-03	0.33	-0.07	-3.13e-06	0.0	-2.28e-06
887	75	6.32e-03	0.55	-0.07	-4.51e-05	0.0	-1.74e-06
887	92	9.03e-03	0.01	-0.07	5.10e-05	0.0	-2.71e-06
887	98	7.41e-03	8.47e-03	-0.06	4.23e-05	0.0	-2.34e-06
887	103	6.69e-03	0.12	-0.06	2.23e-05	0.0	-2.11e-06
887	107	6.98e-03	8.13e-03	-0.06	4.04e-05	0.0	-2.25e-06
887	112	4.29	1.32	-0.04	-2.73e-04	0.0	-3.62e-04
887	114	-3.42	1.24	-0.09	-2.48e-04	0.0	2.85e-04
887	124	-0.24	4.27	-0.06	-9.74e-04	0.0	2.05e-05
887	144	4.83	1.48	-0.04	-3.12e-04	0.0	-4.07e-04
887	146	-3.85	1.39	-0.09	-2.85e-04	0.0	3.21e-04
887	156	-0.27	4.80	-0.06	-1.10e-03	0.0	2.38e-05
887	176	4.83	1.46	-0.04	-3.07e-04	0.0	-4.05e-04
887	178	-3.85	1.37	-0.09	-2.80e-04	0.0	3.18e-04
887	188	-0.27	4.73	-0.06	-1.08e-03	0.0	2.56e-05
887	208	5.68	1.70	-0.04	-3.63e-04	0.0	-4.75e-04
887	210	-4.53	1.59	-0.10	-3.31e-04	0.0	3.72e-04
887	220	-0.32	5.49	-0.06	-1.27e-03	0.0	3.25e-05
888	4	0.02	0.38	-0.05	-1.44e-04	0.0	0.0
888	18	0.01	0.61	-0.05	-2.39e-04	0.0	0.0
888	52	0.02	0.02	-0.05	-2.12e-06	0.0	0.0
888	68	0.01	0.25	-0.04	-9.63e-05	0.0	0.0
888	75	8.60e-03	0.41	-0.04	-1.59e-04	0.0	0.0
888	92	0.01	0.01	-0.04	-1.54e-06	0.0	0.0
888	98	9.13e-03	9.43e-03	-0.03	-1.33e-06	0.0	0.0
888	103	8.41e-03	0.09	-0.03	-3.29e-05	0.0	0.0
888	107	8.62e-03	9.02e-03	-0.03	-1.31e-06	0.0	0.0
888	112	3.35	1.14	-6.72e-03	-4.30e-04	0.0	-2.69e-04
888	114	-2.67	0.81	-0.07	-3.01e-04	0.0	2.13e-04
888	132	2.02	3.28	-0.04	-1.24e-03	0.0	-1.64e-04
888	144	3.78	1.28	-3.30e-03	-4.84e-04	0.0	-3.03e-04
888	146	-3.01	0.92	-0.08	-3.39e-04	0.0	2.40e-04
888	164	2.28	3.69	-0.04	-1.39e-03	0.0	-1.86e-04
888	176	3.78	1.26	-3.62e-03	-4.77e-04	0.0	-3.01e-04
888	178	-3.01	0.90	-0.07	-3.33e-04	0.0	2.38e-04
888	200	2.17	3.63	-0.04	-1.37e-03	0.0	-1.91e-04
888	208	4.44	1.47	1.49e-03	-5.56e-04	0.0	-3.54e-04
888	210	-3.54	1.04	-0.08	-3.87e-04	0.0	2.78e-04
888	232	2.57	4.23	-0.04	-1.59e-03	0.0	-2.28e-04
889	4	0.01	0.44	-0.07	-1.43e-04	0.0	-1.57e-06
889	18	0.01	0.72	-0.07	-2.38e-04	0.0	0.0
889	52	0.02	0.02	-0.07	-1.17e-06	0.0	-2.21e-06
889	68	9.71e-03	0.29	-0.05	-9.56e-05	0.0	-1.17e-06
889	75	7.77e-03	0.48	-0.05	-1.59e-04	0.0	0.0
889	92	0.01	0.01	-0.05	0.0	0.0	-1.60e-06
889	98	8.55e-03	9.79e-03	-0.05	0.0	0.0	-1.42e-06
889	103	7.82e-03	0.10	-0.04	-3.24e-05	0.0	-1.23e-06
889	107	8.06e-03	9.39e-03	-0.04	0.0	0.0	-1.37e-06
889	112	3.82	1.32	-0.01	-4.25e-04	0.0	-3.16e-04
889	114	-3.04	0.94	-0.09	-2.96e-04	0.0	2.49e-04
889	132	2.30	3.81	-0.05	-1.22e-03	0.0	-1.92e-04
889	144	4.30	1.48	-8.98e-03	-4.78e-04	0.0	-3.56e-04
889	146	-3.43	1.06	-0.09	-3.33e-04	0.0	2.81e-04
889	164	2.60	4.28	-0.05	-1.37e-03	0.0	-2.17e-04
889	176	4.30	1.46	-9.36e-03	-4.72e-04	0.0	-3.54e-04
889	178	-3.43	1.04	-0.09	-3.28e-04	0.0	2.78e-04
889	200	2.47	4.22	-0.06	-1.35e-03	0.0	-2.23e-04
889	208	5.06	1.70	-3.45e-03	-5.49e-04	0.0	-4.15e-04
889	210	-4.03	1.21	-0.10	-3.80e-04	0.0	3.26e-04
889	232	2.93	4.91	-0.06	-1.57e-03	0.0	-2.67e-04
890	4	0.01	0.50	-0.10	-8.17e-06	0.0	-3.37e-06
890	18	9.01e-03	0.82	-0.09	-7.11e-05	0.0	-2.35e-06
890	52	0.01	0.02	-0.10	7.29e-05	0.0	-4.26e-06
890	68	8.19e-03	0.33	-0.07	-2.78e-06	0.0	-2.45e-06
890	75	6.36e-03	0.55	-0.07	-4.47e-05	0.0	-1.77e-06
890	92	9.01e-03	0.01	-0.07	5.13e-05	0.0	-3.05e-06

890	98	7.38e-03	9.93e-03	-0.06	4.25e-05	0.0	-2.64e-06
890	103	6.68e-03	0.12	-0.06	2.25e-05	0.0	-2.35e-06
890	107	6.95e-03	9.53e-03	-0.06	4.06e-05	0.0	-2.55e-06
890	112	4.29	1.50	-0.03	-3.05e-04	0.0	-3.62e-04
890	114	-3.42	1.07	-0.11	-2.27e-04	0.0	2.84e-04
890	132	2.59	4.33	-0.07	-9.93e-04	0.0	-2.21e-04
890	144	4.83	1.69	-0.02	-3.48e-04	0.0	-4.08e-04
890	146	-3.85	1.20	-0.12	-2.60e-04	0.0	3.20e-04
890	164	2.92	4.87	-0.07	-1.12e-03	0.0	-2.49e-04
890	176	4.83	1.67	-0.02	-3.42e-04	0.0	-4.06e-04
890	178	-3.85	1.18	-0.12	-2.56e-04	0.0	3.18e-04
890	200	2.77	4.80	-0.08	-1.10e-03	0.0	-2.56e-04
890	208	5.68	1.94	-0.02	-4.04e-04	0.0	-4.76e-04
890	210	-4.53	1.37	-0.13	-3.05e-04	0.0	3.72e-04
890	232	3.29	5.58	-0.08	-1.29e-03	0.0	-3.05e-04
891	4	0.02	0.38	-0.06	-1.46e-04	0.0	1.15e-06
891	18	0.01	0.61	-0.06	-2.40e-04	0.0	1.31e-06
891	52	0.02	0.02	-0.06	-4.61e-06	0.0	0.0
891	68	0.01	0.25	-0.05	-9.78e-05	0.0	0.0
891	75	9.31e-03	0.41	-0.04	-1.61e-04	0.0	0.0
891	92	0.01	0.01	-0.04	-3.30e-06	0.0	0.0
891	98	9.72e-03	9.30e-03	-0.04	-2.82e-06	0.0	0.0
891	103	8.98e-03	0.09	-0.04	-3.42e-05	0.0	0.0
891	107	9.17e-03	8.92e-03	-0.04	-2.73e-06	0.0	0.0
891	112	3.36	1.28	0.03	-4.86e-04	0.0	-2.68e-04
891	114	-2.67	0.68	-0.12	-2.50e-04	0.0	2.13e-04
891	132	2.03	3.34	-0.05	-1.25e-03	0.0	-1.64e-04
891	144	3.78	1.44	0.03	-5.46e-04	0.0	-3.02e-04
891	146	-3.01	0.77	-0.13	-2.80e-04	0.0	2.40e-04
891	168	2.14	3.75	-0.06	-1.41e-03	0.0	-1.87e-04
891	176	3.78	1.42	0.03	-5.40e-04	0.0	-3.00e-04
891	178	-3.01	0.75	-0.13	-2.76e-04	0.0	2.38e-04
891	200	2.17	3.70	-0.06	-1.39e-03	0.0	-1.90e-04
891	208	4.45	1.65	0.05	-6.28e-04	0.0	-3.53e-04
891	210	-3.54	0.87	-0.15	-3.19e-04	0.0	2.78e-04
891	232	2.58	4.31	-0.06	-1.62e-03	0.0	-2.27e-04
892	4	0.01	0.44	-0.08	-1.46e-04	0.0	-1.36e-06
892	18	0.01	0.72	-0.08	-2.40e-04	0.0	0.0
892	52	0.02	0.02	-0.08	-4.24e-06	0.0	-2.13e-06
892	68	0.01	0.29	-0.06	-9.76e-05	0.0	-1.03e-06
892	75	8.26e-03	0.48	-0.06	-1.60e-04	0.0	0.0
892	92	0.01	0.01	-0.06	-3.04e-06	0.0	-1.55e-06
892	98	8.93e-03	0.01	-0.05	-2.62e-06	0.0	-1.39e-06
892	103	8.19e-03	0.10	-0.05	-3.40e-05	0.0	-1.19e-06
892	107	8.42e-03	0.01	-0.05	-2.54e-06	0.0	-1.36e-06
892	112	3.82	1.48	0.02	-4.80e-04	0.0	-3.15e-04
892	114	-3.04	0.79	-0.15	-2.45e-04	0.0	2.49e-04
892	132	2.31	3.87	-0.06	-1.24e-03	0.0	-1.92e-04
892	144	4.30	1.67	0.03	-5.40e-04	0.0	-3.55e-04
892	146	-3.43	0.89	-0.16	-2.75e-04	0.0	2.80e-04
892	168	2.43	4.36	-0.07	-1.39e-03	0.0	-2.19e-04
892	176	4.30	1.65	0.03	-5.34e-04	0.0	-3.53e-04
892	178	-3.43	0.87	-0.16	-2.70e-04	0.0	2.78e-04
892	200	2.47	4.30	-0.07	-1.38e-03	0.0	-2.23e-04
892	208	5.06	1.92	0.05	-6.22e-04	0.0	-4.15e-04
892	210	-4.03	1.01	-0.18	-3.13e-04	0.0	3.25e-04
892	232	2.93	5.01	-0.07	-1.60e-03	0.0	-2.66e-04
893	4	0.01	0.50	-0.11	-7.98e-06	0.0	-3.59e-06
893	18	9.08e-03	0.82	-0.10	-7.10e-05	0.0	-2.39e-06
893	52	0.01	0.02	-0.11	7.33e-05	0.0	-4.70e-06
893	68	8.21e-03	0.34	-0.08	-2.65e-06	0.0	-2.63e-06
893	75	6.40e-03	0.55	-0.08	-4.47e-05	0.0	-1.83e-06
893	92	9.00e-03	0.01	-0.08	5.15e-05	0.0	-3.37e-06
893	98	7.36e-03	0.01	-0.07	4.27e-05	0.0	-2.93e-06
893	103	6.67e-03	0.12	-0.07	2.27e-05	0.0	-2.58e-06
893	107	6.93e-03	0.01	-0.07	4.07e-05	0.0	-2.83e-06
893	112	4.28	1.69	0.01	-3.41e-04	0.0	-3.62e-04
893	114	-3.42	0.90	-0.18	-2.02e-04	0.0	2.84e-04
893	132	2.59	4.40	-0.08	-1.02e-03	0.0	-2.21e-04
893	144	4.83	1.90	0.02	-3.89e-04	0.0	-4.08e-04
893	146	-3.85	1.01	-0.19	-2.32e-04	0.0	3.20e-04
893	168	2.73	4.95	-0.09	-1.15e-03	0.0	-2.52e-04
893	176	4.83	1.88	0.02	-3.82e-04	0.0	-4.06e-04
893	178	-3.85	0.99	-0.19	-2.29e-04	0.0	3.17e-04
893	200	2.77	4.89	-0.09	-1.14e-03	0.0	-2.56e-04

893	208	5.68	2.19	0.04	-4.50e-04	0.0	-4.76e-04
893	210	-4.52	1.14	-0.21	-2.74e-04	0.0	3.72e-04
893	232	3.29	5.69	-0.10	-1.33e-03	0.0	-3.05e-04
894	4	0.02	0.37	-0.09	-1.49e-04	0.0	1.39e-06
894	18	0.02	0.61	-0.09	-2.43e-04	0.0	1.53e-06
894	52	0.02	0.02	-0.09	-7.92e-06	0.0	0.0
894	68	0.01	0.25	-0.07	-9.99e-05	0.0	0.0
894	75	0.01	0.41	-0.06	-1.62e-04	0.0	1.01e-06
894	92	0.01	0.01	-0.07	-5.64e-06	0.0	0.0
894	98	0.01	9.02e-03	-0.06	-4.80e-06	0.0	0.0
894	103	0.01	0.09	-0.06	-3.60e-05	0.0	0.0
894	107	0.01	8.67e-03	-0.05	-4.62e-06	0.0	0.0
894	112	3.36	1.42	0.14	-5.37e-04	0.0	-2.68e-04
894	114	-2.67	0.55	-0.30	-2.02e-04	0.0	2.13e-04
894	136	1.90	3.40	-0.10	-1.27e-03	0.0	-1.65e-04
894	144	3.78	1.59	0.16	-6.04e-04	0.0	-3.02e-04
894	146	-3.01	0.62	-0.34	-2.26e-04	0.0	2.40e-04
894	168	2.14	3.82	-0.10	-1.43e-03	0.0	-1.87e-04
894	176	3.78	1.58	0.16	-5.97e-04	0.0	-3.00e-04
894	178	-3.01	0.61	-0.33	-2.22e-04	0.0	2.38e-04
894	200	2.17	3.77	-0.10	-1.41e-03	0.0	-1.90e-04
894	208	4.45	1.84	0.20	-6.96e-04	0.0	-3.52e-04
894	210	-3.54	0.70	-0.38	-2.56e-04	0.0	2.78e-04
894	232	2.58	4.40	-0.11	-1.65e-03	0.0	-2.27e-04
895	4	0.02	0.44	-0.11	-1.49e-04	0.0	-1.73e-06
895	18	0.01	0.72	-0.10	-2.42e-04	0.0	0.0
895	52	0.02	0.02	-0.10	-7.75e-06	0.0	-2.56e-06
895	68	0.01	0.29	-0.08	-9.97e-05	0.0	-1.30e-06
895	75	9.21e-03	0.48	-0.07	-1.62e-04	0.0	0.0
895	92	0.01	0.01	-0.07	-5.52e-06	0.0	-1.85e-06
895	98	9.69e-03	0.01	-0.06	-4.72e-06	0.0	-1.65e-06
895	103	8.93e-03	0.10	-0.06	-3.60e-05	0.0	-1.42e-06
895	107	9.13e-03	0.01	-0.06	-4.55e-06	0.0	-1.61e-06
895	112	3.82	1.65	0.14	-5.32e-04	0.0	-3.15e-04
895	114	-3.04	0.64	-0.32	-1.98e-04	0.0	2.49e-04
895	136	2.16	3.94	-0.11	-1.26e-03	0.0	-1.94e-04
895	144	4.31	1.86	0.16	-5.98e-04	0.0	-3.55e-04
895	146	-3.43	0.72	-0.35	-2.21e-04	0.0	2.80e-04
895	168	2.43	4.43	-0.11	-1.41e-03	0.0	-2.19e-04
895	176	4.31	1.84	0.16	-5.91e-04	0.0	-3.53e-04
895	178	-3.43	0.70	-0.35	-2.17e-04	0.0	2.78e-04
895	200	2.47	4.38	-0.11	-1.40e-03	0.0	-2.23e-04
895	208	5.06	2.14	0.20	-6.89e-04	0.0	-4.15e-04
895	210	-4.03	0.81	-0.40	-2.50e-04	0.0	3.25e-04
895	232	2.93	5.10	-0.12	-1.63e-03	0.0	-2.66e-04
896	4	0.01	0.50	-0.12	-7.56e-06	0.0	-3.85e-06
896	18	9.07e-03	0.82	-0.11	-7.10e-05	0.0	-2.54e-06
896	52	0.01	0.02	-0.12	7.41e-05	0.0	-5.08e-06
896	68	8.17e-03	0.34	-0.09	-2.34e-06	0.0	-2.82e-06
896	75	6.38e-03	0.55	-0.08	-4.46e-05	0.0	-1.95e-06
896	92	8.91e-03	0.02	-0.09	5.21e-05	0.0	-3.64e-06
896	98	7.29e-03	0.01	-0.07	4.32e-05	0.0	-3.18e-06
896	103	6.62e-03	0.12	-0.07	2.31e-05	0.0	-2.80e-06
896	107	6.87e-03	0.01	-0.07	4.12e-05	0.0	-3.07e-06
896	112	4.28	1.88	0.14	-3.75e-04	0.0	-3.62e-04
896	114	-3.42	0.72	-0.35	-1.78e-04	0.0	2.84e-04
896	136	2.42	4.48	-0.12	-1.05e-03	0.0	-2.23e-04
896	144	4.83	2.11	0.16	-4.27e-04	0.0	-4.08e-04
896	146	-3.85	0.81	-0.38	-2.05e-04	0.0	3.20e-04
896	168	2.73	5.04	-0.13	-1.18e-03	0.0	-2.52e-04
896	176	4.83	2.09	0.16	-4.19e-04	0.0	-4.06e-04
896	178	-3.85	0.79	-0.38	-2.04e-04	0.0	3.17e-04
896	200	2.77	4.98	-0.12	-1.17e-03	0.0	-2.56e-04
896	208	5.67	2.44	0.20	-4.93e-04	0.0	-4.76e-04
896	210	-4.52	0.92	-0.43	-2.44e-04	0.0	3.71e-04
896	232	3.29	5.80	-0.13	-1.36e-03	0.0	-3.06e-04
897	1	0.0	0.0	0.0	-8.40e-05	0.0	0.0
897	65	0.0	0.0	0.0	-5.22e-05	0.0	0.0
897	97	0.0	0.0	0.0	4.21e-05	0.0	0.0
897	106	0.0	0.0	0.0	4.21e-05	0.0	0.0
897	108	0.0	0.0	0.0	-6.04e-04	0.0	-3.70e-06
897	140	0.0	0.0	0.0	-6.87e-04	0.0	-4.03e-06
897	172	0.0	0.0	0.0	-6.77e-04	0.0	-4.00e-06
897	204	0.0	0.0	0.0	-7.99e-04	0.0	-4.51e-06
898	4	-2.08e-03	0.01	-0.06	-4.50e-05	0.0	-1.51e-05

898	44	-1.91e-03	-0.18	-0.05	3.25e-04	0.0	-1.65e-05
898	68	-1.45e-03	5.96e-03	-0.04	-2.66e-05	0.0	-1.07e-05
898	88	-1.34e-03	-0.12	-0.03	2.20e-04	0.0	-1.16e-05
898	98	-1.09e-03	-0.04	-0.03	5.63e-05	0.0	-9.58e-06
898	101	-1.09e-03	-0.04	-0.03	5.49e-05	0.0	-9.35e-06
898	105	-1.07e-03	-0.05	-0.03	8.57e-05	0.0	-9.42e-06
898	107	-1.04e-03	-0.03	-0.03	5.36e-05	0.0	-9.12e-06
898	108	0.56	0.31	-0.17	-6.13e-04	0.0	-5.30e-05
898	115	-0.70	-0.39	0.10	7.36e-04	0.0	4.70e-05
898	139	-0.39	-0.76	0.04	1.44e-03	0.0	2.57e-05
898	140	0.63	0.36	-0.18	-6.97e-04	0.0	-5.86e-05
898	147	-0.79	-0.43	0.12	8.22e-04	0.0	5.41e-05
898	171	-0.44	-0.85	0.05	1.61e-03	0.0	3.02e-05
898	172	0.63	0.35	-0.18	-6.87e-04	0.0	-5.82e-05
898	179	-0.79	-0.43	0.12	8.15e-04	0.0	5.37e-05
898	203	-0.45	-0.84	0.05	1.60e-03	0.0	3.04e-05
898	204	0.74	0.41	-0.21	-8.09e-04	0.0	-6.66e-05
898	211	-0.93	-0.50	0.15	9.43e-04	0.0	6.47e-05
898	235	-0.54	-0.98	0.07	1.86e-03	0.0	3.79e-05
899	4	-2.09e-03	0.02	-0.05	-5.31e-05	0.0	-1.56e-05
899	44	-1.92e-03	-0.17	-0.05	3.16e-04	0.0	-1.68e-05
899	68	-1.46e-03	0.01	-0.04	-3.23e-05	0.0	-1.10e-05
899	88	-1.35e-03	-0.12	-0.03	2.14e-04	0.0	-1.18e-05
899	98	-1.09e-03	-0.03	-0.03	5.12e-05	0.0	-9.81e-06
899	101	-1.09e-03	-0.03	-0.03	4.99e-05	0.0	-9.57e-06
899	105	-1.07e-03	-0.05	-0.03	8.07e-05	0.0	-9.63e-06
899	107	-1.04e-03	-0.03	-0.03	4.87e-05	0.0	-9.34e-06
899	115	-0.70	-0.41	-0.01	7.68e-04	0.0	4.70e-05
899	124	-0.04	0.67	-0.05	-1.29e-03	0.0	-3.66e-06
899	139	-0.39	-0.76	-0.02	1.45e-03	0.0	2.56e-05
899	147	-0.79	-0.45	-9.42e-03	8.58e-04	0.0	5.41e-05
899	156	-0.04	0.75	-0.05	-1.45e-03	0.0	-2.87e-06
899	171	-0.45	-0.85	-0.02	1.62e-03	0.0	3.01e-05
899	179	-0.79	-0.45	-9.60e-03	8.51e-04	0.0	5.38e-05
899	188	-0.05	0.74	-0.05	-1.43e-03	0.0	-2.44e-06
899	203	-0.45	-0.85	-0.02	1.61e-03	0.0	3.03e-05
899	211	-0.93	-0.52	-6.07e-03	9.86e-04	0.0	6.48e-05
899	220	-0.05	0.87	-0.06	-1.66e-03	0.0	0.0
899	235	-0.54	-0.98	-0.01	1.87e-03	0.0	3.79e-05
900	1	0.0	0.0	0.0	-8.85e-05	0.0	0.0
900	65	0.0	0.0	0.0	-5.55e-05	0.0	0.0
900	97	0.0	0.0	0.0	3.82e-05	0.0	0.0
900	106	0.0	0.0	0.0	3.82e-05	0.0	0.0
900	108	0.0	0.0	0.0	-6.43e-04	0.0	-3.88e-06
900	140	0.0	0.0	0.0	-7.31e-04	0.0	-4.22e-06
900	172	0.0	0.0	0.0	-7.21e-04	0.0	-4.20e-06
900	204	0.0	0.0	0.0	-8.49e-04	0.0	-4.71e-06
901	4	-5.79e-05	0.04	-0.11	-8.10e-05	0.0	-2.73e-05
901	42	-8.84e-04	-0.32	-0.06	2.76e-04	0.0	-2.00e-05
901	44	-5.80e-04	-0.35	-0.09	2.95e-04	0.0	-2.85e-05
901	68	-5.86e-05	0.02	-0.08	-5.19e-05	0.0	-1.92e-05
901	86	-6.09e-04	-0.21	-0.04	1.86e-04	0.0	-1.44e-05
901	88	-4.07e-04	-0.24	-0.07	1.98e-04	0.0	-2.01e-05
901	98	7.89e-05	-0.06	-0.06	3.55e-05	0.0	-1.70e-05
901	104	-2.01e-04	-0.08	-0.04	5.54e-05	0.0	-1.17e-05
901	105	-2.80e-05	-0.09	-0.06	6.59e-05	0.0	-1.66e-05
901	106	-1.23e-04	-0.04	-0.04	2.33e-05	0.0	-1.13e-05
901	107	5.01e-05	-0.06	-0.06	3.37e-05	0.0	-1.62e-05
901	108	1.14	0.63	-0.29	-6.37e-04	0.0	-1.07e-04
901	112	1.42	0.65	-0.28	-6.53e-04	0.0	-1.30e-04
901	139	-0.80	-1.51	0.05	1.42e-03	0.0	5.41e-05
901	140	1.28	0.72	-0.31	-7.21e-04	0.0	-1.18e-04
901	144	1.60	0.74	-0.30	-7.40e-04	0.0	-1.45e-04
901	171	-0.90	-1.70	0.07	1.60e-03	0.0	6.32e-05
901	172	1.28	0.71	-0.31	-7.11e-04	0.0	-1.17e-04
901	176	1.60	0.73	-0.30	-7.32e-04	0.0	-1.44e-04
901	203	-0.92	-1.68	0.07	1.58e-03	0.0	6.39e-05
901	204	1.51	0.84	-0.36	-8.34e-04	0.0	-1.34e-04
901	208	1.88	0.87	-0.35	-8.61e-04	0.0	-1.67e-04
901	235	-1.09	-1.95	0.09	1.84e-03	0.0	7.93e-05
902	4	-7.80e-05	0.05	-0.11	-8.57e-05	0.0	-2.80e-05
902	42	-8.92e-04	-0.31	-0.06	2.73e-04	0.0	-2.03e-05
902	44	-6.03e-04	-0.34	-0.09	2.90e-04	0.0	-2.91e-05
902	68	-7.12e-05	0.03	-0.08	-5.52e-05	0.0	-1.98e-05
902	86	-6.14e-04	-0.21	-0.04	1.84e-04	0.0	-1.46e-05

902	88	-4.22e-04	-0.23	-0.06	1.95e-04	0.0	-2.04e-05
902	98	6.91e-05	-0.06	-0.06	3.26e-05	0.0	-1.74e-05
902	104	-2.02e-04	-0.07	-0.04	5.35e-05	0.0	-1.20e-05
902	105	-3.72e-05	-0.09	-0.06	6.31e-05	0.0	-1.70e-05
902	106	-1.23e-04	-0.04	-0.04	2.13e-05	0.0	-1.16e-05
902	107	4.16e-05	-0.05	-0.06	3.10e-05	0.0	-1.66e-05
902	108	1.14	0.68	-0.11	-6.75e-04	0.0	-1.08e-04
902	112	1.42	0.70	-0.10	-6.92e-04	0.0	-1.31e-04
902	139	-0.80	-1.52	-0.03	1.43e-03	0.0	5.41e-05
902	140	1.28	0.77	-0.11	-7.63e-04	0.0	-1.19e-04
902	144	1.60	0.80	-0.11	-7.84e-04	0.0	-1.46e-04
902	171	-0.90	-1.71	-0.03	1.61e-03	0.0	6.32e-05
902	172	1.28	0.76	-0.11	-7.53e-04	0.0	-1.18e-04
902	176	1.60	0.79	-0.11	-7.76e-04	0.0	-1.45e-04
902	203	-0.91	-1.69	-0.03	1.59e-03	0.0	6.40e-05
902	204	1.51	0.90	-0.12	-8.83e-04	0.0	-1.36e-04
902	208	1.88	0.93	-0.11	-9.12e-04	0.0	-1.68e-04
902	235	-1.09	-1.97	-0.02	1.86e-03	0.0	7.95e-05
903	4	5.86e-03	0.09	-0.17	-1.34e-04	0.0	-3.17e-05
903	44	3.99e-03	-0.50	-0.14	2.48e-04	0.0	-3.28e-05
903	52	6.06e-03	-0.13	-0.17	8.33e-06	0.0	-3.37e-05
903	68	4.03e-03	0.06	-0.12	-8.89e-05	0.0	-2.24e-05
903	88	2.78e-03	-0.33	-0.10	1.66e-04	0.0	-2.31e-05
903	92	4.16e-03	-0.09	-0.12	5.77e-06	0.0	-2.37e-05
903	98	3.38e-03	-0.08	-0.10	4.66e-06	0.0	-1.97e-05
903	105	3.02e-03	-0.12	-0.09	3.65e-05	0.0	-1.92e-05
903	107	3.15e-03	-0.07	-0.09	4.38e-06	0.0	-1.88e-05
903	108	1.72	0.97	-0.36	-6.68e-04	0.0	-1.54e-04
903	112	2.14	1.00	-0.35	-6.85e-04	0.0	-1.89e-04
903	139	-1.20	-2.26	0.04	1.39e-03	0.0	8.53e-05
903	140	1.94	1.11	-0.40	-7.53e-04	0.0	-1.71e-04
903	144	2.41	1.13	-0.39	-7.71e-04	0.0	-2.10e-04
903	171	-1.36	-2.53	0.06	1.56e-03	0.0	9.88e-05
903	172	1.94	1.09	-0.40	-7.43e-04	0.0	-1.70e-04
903	176	2.42	1.12	-0.39	-7.64e-04	0.0	-2.09e-04
903	203	-1.38	-2.51	0.06	1.55e-03	0.0	1.00e-04
903	204	2.28	1.28	-0.45	-8.67e-04	0.0	-1.95e-04
903	208	2.84	1.32	-0.44	-8.93e-04	0.0	-2.43e-04
903	235	-1.64	-2.92	0.09	1.81e-03	0.0	1.23e-04
904	4	5.55e-03	0.10	-0.16	-1.32e-04	0.0	-3.28e-05
904	44	3.72e-03	-0.48	-0.14	2.49e-04	0.0	-3.37e-05
904	52	5.74e-03	-0.12	-0.16	9.59e-06	0.0	-3.48e-05
904	68	3.82e-03	0.07	-0.11	-8.80e-05	0.0	-2.31e-05
904	88	2.60e-03	-0.33	-0.10	1.66e-04	0.0	-2.37e-05
904	92	3.95e-03	-0.08	-0.11	6.65e-06	0.0	-2.44e-05
904	98	3.22e-03	-0.07	-0.09	5.39e-06	0.0	-2.03e-05
904	105	2.86e-03	-0.12	-0.09	3.72e-05	0.0	-1.98e-05
904	107	3.00e-03	-0.07	-0.09	5.08e-06	0.0	-1.93e-05
904	108	1.72	1.04	-0.16	-7.01e-04	0.0	-1.55e-04
904	112	2.15	1.07	-0.16	-7.19e-04	0.0	-1.90e-04
904	139	-1.20	-2.27	-0.05	1.40e-03	0.0	8.51e-05
904	140	1.94	1.18	-0.17	-7.90e-04	0.0	-1.72e-04
904	144	2.42	1.21	-0.17	-8.10e-04	0.0	-2.11e-04
904	171	-1.36	-2.55	-0.04	1.58e-03	0.0	9.87e-05
904	172	1.94	1.17	-0.17	-7.80e-04	0.0	-1.71e-04
904	176	2.42	1.20	-0.17	-8.03e-04	0.0	-2.11e-04
904	203	-1.38	-2.53	-0.04	1.57e-03	0.0	1.00e-04
904	204	2.28	1.37	-0.19	-9.10e-04	0.0	-1.97e-04
904	208	2.85	1.42	-0.18	-9.39e-04	0.0	-2.44e-04
904	235	-1.64	-2.94	-0.03	1.83e-03	0.0	1.23e-04
905	4	0.02	0.18	-0.24	-1.93e-04	0.0	-2.60e-05
905	44	0.02	-0.61	-0.20	1.93e-04	0.0	-2.77e-05
905	52	0.02	-0.12	-0.23	-5.23e-05	0.0	-2.80e-05
905	68	0.01	0.11	-0.17	-1.31e-04	0.0	-1.84e-05
905	88	0.01	-0.41	-0.14	1.27e-04	0.0	-1.94e-05
905	92	0.01	-0.09	-0.16	-3.68e-05	0.0	-1.97e-05
905	98	0.01	-0.07	-0.14	-3.07e-05	0.0	-1.64e-05
905	105	0.01	-0.13	-0.13	2.50e-06	0.0	-1.60e-05
905	107	0.01	-0.07	-0.13	-2.93e-05	0.0	-1.56e-05
905	108	2.35	1.33	-0.41	-6.96e-04	0.0	-1.93e-04
905	112	2.93	1.37	-0.39	-7.11e-04	0.0	-2.38e-04
905	139	-1.63	-2.98	2.50e-03	1.34e-03	0.0	1.20e-04
905	140	2.65	1.51	-0.44	-7.79e-04	0.0	-2.15e-04
905	144	3.30	1.55	-0.43	-7.97e-04	0.0	-2.67e-04
905	171	-1.85	-3.34	0.02	1.51e-03	0.0	1.38e-04

905	172	2.65	1.49	-0.44	-7.69e-04	0.0	-2.14e-04
905	176	3.30	1.53	-0.43	-7.89e-04	0.0	-2.66e-04
905	203	-1.87	-3.31	0.02	1.49e-03	0.0	1.40e-04
905	204	3.11	1.75	-0.50	-8.92e-04	0.0	-2.47e-04
905	208	3.88	1.80	-0.48	-9.17e-04	0.0	-3.09e-04
905	235	-2.23	-3.86	0.05	1.75e-03	0.0	1.70e-04
906	4	0.02	0.19	-0.22	-1.85e-04	0.0	-2.61e-05
906	44	0.01	-0.60	-0.18	2.00e-04	0.0	-2.77e-05
906	52	0.02	-0.11	-0.21	-4.42e-05	0.0	-2.81e-05
906	68	0.01	0.12	-0.15	-1.25e-04	0.0	-1.84e-05
906	88	9.11e-03	-0.40	-0.13	1.32e-04	0.0	-1.95e-05
906	92	0.01	-0.08	-0.15	-3.12e-05	0.0	-1.97e-05
906	98	9.57e-03	-0.06	-0.12	-2.61e-05	0.0	-1.64e-05
906	105	8.79e-03	-0.13	-0.12	7.01e-06	0.0	-1.61e-05
906	107	8.98e-03	-0.06	-0.12	-2.49e-05	0.0	-1.56e-05
906	108	2.33	1.42	-0.23	-7.26e-04	0.0	-1.94e-04
906	112	2.91	1.46	-0.22	-7.43e-04	0.0	-2.40e-04
906	139	-1.62	-3.00	-0.06	1.36e-03	0.0	1.21e-04
906	140	2.63	1.60	-0.24	-8.14e-04	0.0	-2.17e-04
906	144	3.28	1.65	-0.23	-8.34e-04	0.0	-2.68e-04
906	171	-1.83	-3.37	-0.05	1.53e-03	0.0	1.39e-04
906	172	2.63	1.58	-0.24	-8.04e-04	0.0	-2.15e-04
906	176	3.28	1.63	-0.23	-8.26e-04	0.0	-2.67e-04
906	203	-1.86	-3.34	-0.05	1.52e-03	0.0	1.41e-04
906	204	3.09	1.86	-0.26	-9.33e-04	0.0	-2.49e-04
906	208	3.85	1.92	-0.25	-9.61e-04	0.0	-3.11e-04
906	235	-2.21	-3.89	-0.04	1.78e-03	0.0	1.71e-04
907	4	0.02	0.28	-0.27	-2.33e-04	0.0	-6.37e-06
907	44	0.02	-0.68	-0.23	1.54e-04	0.0	-8.95e-06
907	52	0.02	-0.08	-0.27	-9.36e-05	0.0	-7.89e-06
907	68	0.01	0.18	-0.19	-1.59e-04	0.0	-4.52e-06
907	88	0.01	-0.46	-0.16	9.94e-05	0.0	-6.24e-06
907	92	0.01	-0.06	-0.19	-6.58e-05	0.0	-5.54e-06
907	98	0.01	-0.05	-0.16	-5.49e-05	0.0	-4.59e-06
907	105	0.01	-0.13	-0.15	-2.08e-05	0.0	-4.65e-06
907	107	0.01	-0.04	-0.15	-5.24e-05	0.0	-4.37e-06
907	108	2.70	1.64	-0.43	-7.10e-04	0.0	-2.20e-04
907	112	3.36	1.68	-0.41	-7.24e-04	0.0	-2.74e-04
907	139	-1.88	-3.54	-0.02	1.29e-03	0.0	1.60e-04
907	140	3.04	1.85	-0.46	-7.92e-04	0.0	-2.47e-04
907	144	3.79	1.90	-0.44	-8.09e-04	0.0	-3.08e-04
907	171	-2.12	-3.98	-1.18e-03	1.46e-03	0.0	1.81e-04
907	172	3.04	1.83	-0.46	-7.83e-04	0.0	-2.45e-04
907	176	3.79	1.88	-0.44	-8.02e-04	0.0	-3.07e-04
907	203	-2.15	-3.94	7.64e-04	1.44e-03	0.0	1.84e-04
907	204	3.57	2.14	-0.51	-9.04e-04	0.0	-2.86e-04
907	208	4.45	2.20	-0.49	-9.28e-04	0.0	-3.59e-04
907	235	-2.56	-4.59	0.03	1.69e-03	0.0	2.21e-04
908	4	0.02	0.28	-0.27	-2.25e-04	0.0	-1.06e-05
908	44	0.01	-0.68	-0.22	1.61e-04	0.0	-1.33e-05
908	52	0.02	-0.08	-0.26	-8.58e-05	0.0	-1.24e-05
908	68	0.01	0.18	-0.19	-1.53e-04	0.0	-7.53e-06
908	88	9.59e-03	-0.45	-0.16	1.04e-04	0.0	-9.28e-06
908	92	0.01	-0.06	-0.19	-6.04e-05	0.0	-8.68e-06
908	98	0.01	-0.05	-0.15	-5.04e-05	0.0	-7.21e-06
908	105	9.27e-03	-0.12	-0.14	-1.65e-05	0.0	-7.19e-06
908	107	9.46e-03	-0.04	-0.15	-4.80e-05	0.0	-6.86e-06
908	108	2.70	1.74	-0.28	-7.42e-04	0.0	-2.22e-04
908	112	3.36	1.78	-0.27	-7.58e-04	0.0	-2.77e-04
908	139	-1.88	-3.58	-0.08	1.31e-03	0.0	1.58e-04
908	140	3.04	1.96	-0.30	-8.28e-04	0.0	-2.50e-04
908	144	3.79	2.01	-0.28	-8.47e-04	0.0	-3.11e-04
908	171	-2.12	-4.02	-0.07	1.49e-03	0.0	1.79e-04
908	172	3.04	1.94	-0.30	-8.18e-04	0.0	-2.48e-04
908	176	3.79	2.00	-0.28	-8.40e-04	0.0	-3.10e-04
908	203	-2.15	-3.99	-0.07	1.47e-03	0.0	1.82e-04
908	204	3.57	2.27	-0.32	-9.46e-04	0.0	-2.89e-04
908	208	4.45	2.34	-0.31	-9.74e-04	0.0	-3.63e-04
908	235	-2.56	-4.65	-0.05	1.73e-03	0.0	2.19e-04
909	4	0.02	0.39	-0.32	-2.56e-04	0.0	1.45e-06
909	44	0.01	-0.74	-0.27	1.32e-04	0.0	-2.40e-06
909	52	0.02	-0.03	-0.32	-1.17e-04	0.0	0.0
909	68	0.01	0.26	-0.23	-1.75e-04	0.0	0.0
909	88	9.77e-03	-0.49	-0.19	8.35e-05	0.0	-1.61e-06
909	92	0.01	-0.02	-0.22	-8.26e-05	0.0	0.0

909	98	0.01	-0.02	-0.18	-6.89e-05	0.0	0.0
909	105	9.35e-03	-0.11	-0.17	-3.44e-05	0.0	0.0
909	107	9.52e-03	-0.02	-0.17	-6.56e-05	0.0	0.0
909	108	3.07	1.95	-0.46	-7.18e-04	0.0	-2.52e-04
909	112	3.83	2.00	-0.44	-7.31e-04	0.0	-3.15e-04
909	139	-2.14	-4.08	-0.04	1.26e-03	0.0	1.92e-04
909	140	3.46	2.20	-0.50	-8.00e-04	0.0	-2.84e-04
909	144	4.31	2.25	-0.48	-8.15e-04	0.0	-3.55e-04
909	171	-2.42	-4.60	-0.02	1.43e-03	0.0	2.17e-04
909	172	3.46	2.17	-0.50	-7.90e-04	0.0	-2.82e-04
909	176	4.31	2.23	-0.48	-8.08e-04	0.0	-3.54e-04
909	203	-2.45	-4.55	-0.02	1.41e-03	0.0	2.21e-04
909	204	4.06	2.53	-0.55	-9.11e-04	0.0	-3.30e-04
909	208	5.07	2.60	-0.53	-9.34e-04	0.0	-4.15e-04
909	235	-2.92	-5.31	9.34e-03	1.66e-03	0.0	2.64e-04
910	4	0.02	0.39	-0.35	-2.54e-04	0.0	-2.00e-06
910	44	0.01	-0.74	-0.29	1.32e-04	0.0	-5.95e-06
910	52	0.02	-0.03	-0.34	-1.16e-04	0.0	-3.92e-06
910	68	0.01	0.26	-0.24	-1.74e-04	0.0	-1.47e-06
910	88	8.64e-03	-0.49	-0.20	8.41e-05	0.0	-4.11e-06
910	92	0.01	-0.02	-0.24	-8.14e-05	0.0	-2.75e-06
910	98	9.12e-03	-0.02	-0.20	-6.79e-05	0.0	-2.29e-06
910	105	8.39e-03	-0.11	-0.18	-3.35e-05	0.0	-2.51e-06
910	107	8.57e-03	-0.02	-0.19	-6.47e-05	0.0	-2.17e-06
910	108	3.07	2.07	-0.34	-7.51e-04	0.0	-2.54e-04
910	112	3.82	2.12	-0.33	-7.67e-04	0.0	-3.17e-04
910	139	-2.14	-4.13	-0.10	1.28e-03	0.0	1.90e-04
910	140	3.46	2.33	-0.36	-8.37e-04	0.0	-2.86e-04
910	144	4.31	2.39	-0.35	-8.55e-04	0.0	-3.57e-04
910	171	-2.42	-4.65	-0.09	1.45e-03	0.0	2.15e-04
910	172	3.46	2.30	-0.36	-8.27e-04	0.0	-2.84e-04
910	176	4.31	2.36	-0.34	-8.49e-04	0.0	-3.56e-04
910	203	-2.45	-4.61	-0.09	1.44e-03	0.0	2.18e-04
910	204	4.06	2.68	-0.39	-9.54e-04	0.0	-3.32e-04
910	208	5.07	2.77	-0.37	-9.81e-04	0.0	-4.18e-04
910	235	-2.92	-5.38	-0.08	1.69e-03	0.0	2.62e-04
911	4	0.01	0.51	-0.40	-8.67e-06	0.0	1.54e-06
911	18	9.80e-03	0.82	-0.36	-8.09e-05	0.0	3.13e-06
911	52	0.01	0.03	-0.39	8.37e-05	0.0	0.0
911	68	8.67e-03	0.34	-0.28	-3.02e-06	0.0	0.0
911	75	6.88e-03	0.55	-0.25	-5.12e-05	0.0	1.98e-06
911	92	9.31e-03	0.02	-0.27	5.85e-05	0.0	0.0
911	98	7.61e-03	0.02	-0.23	4.80e-05	0.0	0.0
911	103	6.94e-03	0.12	-0.22	2.51e-05	0.0	0.0
911	107	7.16e-03	0.02	-0.22	4.56e-05	0.0	0.0
911	108	3.44	2.26	-0.52	-6.25e-05	0.0	-3.00e-04
911	112	4.28	2.31	-0.50	-8.87e-05	0.0	-3.74e-04
911	136	2.42	4.66	-0.36	-7.36e-04	0.0	-2.28e-04
911	140	3.87	2.54	-0.56	-7.59e-05	0.0	-3.38e-04
911	144	4.83	2.60	-0.54	-1.05e-04	0.0	-4.21e-04
911	168	2.73	5.24	-0.38	-8.34e-04	0.0	-2.57e-04
911	172	3.87	2.51	-0.56	-7.92e-05	0.0	-3.35e-04
911	176	4.83	2.58	-0.54	-1.10e-04	0.0	-4.20e-04
911	200	2.77	5.19	-0.38	-8.24e-04	0.0	-2.62e-04
911	204	4.55	2.92	-0.62	-1.02e-04	0.0	-3.93e-04
911	208	5.68	3.01	-0.59	-1.38e-04	0.0	-4.93e-04
911	232	3.29	6.05	-0.41	-9.67e-04	0.0	-3.13e-04
912	4	0.01	0.51	-0.49	3.75e-05	0.0	3.80e-06
912	18	9.68e-03	0.82	-0.43	-3.27e-05	0.0	5.50e-06
912	52	0.01	0.03	-0.48	1.19e-04	0.0	0.0
912	68	8.56e-03	0.34	-0.34	2.88e-05	0.0	2.53e-06
912	75	6.79e-03	0.55	-0.30	-1.80e-05	0.0	3.66e-06
912	92	9.18e-03	0.02	-0.33	8.34e-05	0.0	0.0
912	98	7.49e-03	0.02	-0.28	6.83e-05	0.0	0.0
912	103	6.83e-03	0.12	-0.26	4.66e-05	0.0	1.02e-06
912	107	7.04e-03	0.02	-0.26	6.48e-05	0.0	0.0
912	108	3.44	2.40	-0.44	-4.33e-05	0.0	-3.10e-04
912	112	4.29	2.45	-0.42	-7.68e-05	0.0	-3.86e-04
912	136	2.42	4.71	-0.36	-1.14e-03	0.0	-2.32e-04
912	140	3.88	2.69	-0.46	-5.66e-05	0.0	-3.50e-04
912	144	4.83	2.76	-0.44	-9.44e-05	0.0	-4.35e-04
912	168	2.73	5.30	-0.37	-1.29e-03	0.0	-2.62e-04
912	172	3.87	2.66	-0.46	-5.90e-05	0.0	-3.48e-04
912	176	4.83	2.74	-0.44	-9.85e-05	0.0	-4.34e-04
912	200	2.77	5.26	-0.37	-1.28e-03	0.0	-2.67e-04

912	204	4.55	3.10	-0.49	-8.05e-05	0.0	-4.08e-04
912	208	5.68	3.19	-0.47	-1.28e-04	0.0	-5.11e-04
912	232	3.29	6.14	-0.39	-1.50e-03	0.0	-3.20e-04
913	4	0.02	0.34	-0.18	-1.88e-04	0.0	7.22e-05
913	44	0.02	-0.62	-0.15	1.97e-04	0.0	6.28e-05
913	52	0.02	-0.02	-0.17	-4.71e-05	0.0	7.18e-05
913	68	0.02	0.23	-0.12	-1.27e-04	0.0	5.06e-05
913	88	0.01	-0.42	-0.11	1.29e-04	0.0	4.43e-05
913	92	0.02	-0.01	-0.12	-3.31e-05	0.0	5.04e-05
913	98	0.01	-8.98e-03	-0.10	-2.77e-05	0.0	4.17e-05
913	105	0.01	-0.09	-0.10	5.30e-06	0.0	3.97e-05
913	107	0.01	-8.45e-03	-0.10	-2.64e-05	0.0	3.97e-05
913	112	3.35	1.51	-0.04	-6.00e-04	0.0	-1.73e-04
913	114	-2.66	0.43	-0.19	-1.80e-04	0.0	3.06e-04
913	139	-1.87	-3.43	-0.07	1.25e-03	0.0	2.37e-05
913	144	3.78	1.70	-0.03	-6.72e-04	0.0	-1.99e-04
913	146	-3.00	0.49	-0.20	-1.99e-04	0.0	3.40e-04
913	171	-2.11	-3.86	-0.06	1.41e-03	0.0	2.18e-05
913	176	3.78	1.68	-0.04	-6.65e-04	0.0	-1.98e-04
913	178	-3.00	0.48	-0.20	-1.96e-04	0.0	3.38e-04
913	203	-2.14	-3.82	-0.06	1.39e-03	0.0	2.41e-05
913	208	4.44	1.96	-0.02	-7.72e-04	0.0	-2.38e-04
913	210	-3.53	0.55	-0.22	-2.21e-04	0.0	3.89e-04
913	235	-2.55	-4.45	-0.06	1.63e-03	0.0	2.29e-05
914	4	0.03	0.26	-0.17	-1.87e-04	0.0	9.93e-05
914	44	0.03	-0.54	-0.15	1.97e-04	0.0	8.81e-05
914	52	0.03	-0.04	-0.17	-4.70e-05	0.0	9.95e-05
914	68	0.02	0.17	-0.12	-1.27e-04	0.0	6.96e-05
914	88	0.02	-0.36	-0.11	1.29e-04	0.0	6.22e-05
914	92	0.02	-0.03	-0.12	-3.31e-05	0.0	6.98e-05
914	98	0.02	-0.02	-0.10	-2.77e-05	0.0	5.79e-05
914	105	0.02	-0.09	-0.10	5.34e-06	0.0	5.53e-05
914	107	0.02	-0.02	-0.10	-2.64e-05	0.0	5.51e-05
914	112	2.97	1.25	-0.04	-6.00e-04	0.0	-1.25e-04
914	114	-2.35	0.36	-0.19	-1.81e-04	0.0	2.83e-04
914	139	-1.64	-2.89	-0.06	1.25e-03	0.0	3.81e-05
914	144	3.35	1.40	-0.03	-6.72e-04	0.0	-1.47e-04
914	146	-2.65	0.40	-0.20	-2.00e-04	0.0	3.12e-04
914	171	-1.86	-3.25	-0.06	1.41e-03	0.0	3.62e-05
914	176	3.35	1.39	-0.03	-6.65e-04	0.0	-1.46e-04
914	178	-2.65	0.39	-0.20	-1.96e-04	0.0	3.09e-04
914	203	-1.89	-3.21	-0.06	1.39e-03	0.0	3.90e-05
914	208	3.94	1.62	-0.02	-7.72e-04	0.0	-1.80e-04
914	210	-3.12	0.46	-0.22	-2.22e-04	0.0	3.53e-04
914	235	-2.25	-3.74	-0.05	1.63e-03	0.0	3.77e-05
915	4	0.02	0.42	-0.18	-1.88e-04	0.0	3.77e-05
915	45	4.58e-03	-0.71	-0.07	2.20e-04	0.0	1.14e-05
915	52	0.02	4.25e-03	-0.17	-4.72e-05	0.0	3.65e-05
915	68	0.01	0.28	-0.13	-1.27e-04	0.0	2.63e-05
915	85	5.43e-03	-0.47	-0.07	1.40e-04	0.0	1.28e-05
915	92	0.01	3.16e-03	-0.12	-3.32e-05	0.0	2.55e-05
915	98	0.01	2.87e-03	-0.11	-2.78e-05	0.0	2.10e-05
915	103	9.58e-03	0.10	-0.10	-5.77e-05	0.0	2.03e-05
915	107	9.76e-03	2.86e-03	-0.10	-2.65e-05	0.0	2.00e-05
915	112	3.83	1.77	-0.05	-5.99e-04	0.0	-2.30e-04
915	114	-3.04	0.51	-0.19	-1.80e-04	0.0	3.32e-04
915	136	2.16	3.98	-0.14	-1.30e-03	0.0	3.67e-05
915	144	4.31	1.99	-0.04	-6.71e-04	0.0	-2.61e-04
915	146	-3.43	0.57	-0.20	-1.98e-04	0.0	3.71e-04
915	168	2.44	4.48	-0.14	-1.46e-03	0.0	3.88e-05
915	176	4.31	1.97	-0.04	-6.65e-04	0.0	-2.59e-04
915	178	-3.43	0.56	-0.20	-1.95e-04	0.0	3.69e-04
915	200	2.47	4.43	-0.14	-1.44e-03	0.0	3.71e-05
915	208	5.07	2.29	-0.03	-7.71e-04	0.0	-3.07e-04
915	210	-4.03	0.65	-0.21	-2.20e-04	0.0	4.30e-04
915	232	2.94	5.16	-0.14	-1.68e-03	0.0	3.87e-05
916	4	0.01	0.51	-0.18	-1.88e-04	0.0	4.22e-06
916	18	9.19e-03	0.82	-0.16	-2.76e-04	0.0	5.10e-06
916	52	0.01	0.02	-0.17	-4.71e-05	0.0	2.23e-06
916	68	8.23e-03	0.34	-0.13	-1.27e-04	0.0	2.81e-06
916	75	6.47e-03	0.55	-0.11	-1.86e-04	0.0	3.40e-06
916	92	8.94e-03	0.02	-0.12	-3.32e-05	0.0	1.48e-06
916	98	7.31e-03	0.01	-0.10	-2.77e-05	0.0	1.06e-06
916	103	6.64e-03	0.12	-0.10	-5.77e-05	0.0	1.40e-06
916	107	6.88e-03	0.01	-0.10	-2.65e-05	0.0	0.0

916	112	4.28	2.02	-0.05	-5.99e-04	0.0	-3.52e-04
916	114	-3.41	0.59	-0.19	-1.79e-04	0.0	2.83e-04
916	136	2.42	4.54	-0.14	-1.30e-03	0.0	-2.15e-04
916	144	4.82	2.28	-0.04	-6.71e-04	0.0	-3.97e-04
916	146	-3.85	0.66	-0.20	-1.98e-04	0.0	3.19e-04
916	168	2.73	5.11	-0.14	-1.46e-03	0.0	-2.43e-04
916	176	4.82	2.25	-0.04	-6.64e-04	0.0	-3.95e-04
916	178	-3.85	0.65	-0.20	-1.94e-04	0.0	3.16e-04
916	200	2.76	5.05	-0.14	-1.44e-03	0.0	-2.47e-04
916	208	5.67	2.63	-0.03	-7.71e-04	0.0	-4.64e-04
916	210	-4.52	0.74	-0.21	-2.19e-04	0.0	3.70e-04
916	232	3.29	5.89	-0.14	-1.68e-03	0.0	-2.95e-04
917	4	0.02	0.31	-0.24	-2.21e-04	0.0	7.40e-05
917	44	0.02	-0.65	-0.20	1.65e-04	0.0	6.46e-05
917	52	0.02	-0.05	-0.24	-8.10e-05	0.0	7.37e-05
917	68	0.02	0.21	-0.17	-1.50e-04	0.0	5.19e-05
917	88	0.01	-0.43	-0.14	1.07e-04	0.0	4.56e-05
917	92	0.02	-0.03	-0.17	-5.70e-05	0.0	5.17e-05
917	98	0.01	-0.03	-0.14	-4.75e-05	0.0	4.28e-05
917	105	0.01	-0.11	-0.13	-1.38e-05	0.0	4.08e-05
917	107	0.01	-0.03	-0.14	-4.53e-05	0.0	4.07e-05
917	108	2.69	1.56	-0.25	-6.53e-04	0.0	-1.68e-04
917	112	3.35	1.59	-0.24	-6.64e-04	0.0	-1.71e-04
917	139	-1.87	-3.48	-0.08	1.25e-03	0.0	2.46e-05
917	140	3.03	1.76	-0.26	-7.29e-04	0.0	-1.95e-04
917	144	3.78	1.80	-0.25	-7.42e-04	0.0	-1.98e-04
917	171	-2.11	-3.92	-0.07	1.42e-03	0.0	2.28e-05
917	172	3.03	1.73	-0.26	-7.20e-04	0.0	-1.93e-04
917	176	3.78	1.78	-0.25	-7.35e-04	0.0	-1.96e-04
917	203	-2.14	-3.88	-0.07	1.40e-03	0.0	2.51e-05
917	204	3.56	2.03	-0.28	-8.32e-04	0.0	-2.32e-04
917	208	4.44	2.08	-0.27	-8.51e-04	0.0	-2.37e-04
917	235	-2.55	-4.52	-0.06	1.65e-03	0.0	2.38e-05
918	4	0.03	0.22	-0.24	-2.20e-04	0.0	9.53e-05
918	44	0.03	-0.58	-0.20	1.66e-04	0.0	8.42e-05
918	52	0.03	-0.08	-0.24	-8.02e-05	0.0	9.54e-05
918	68	0.02	0.14	-0.17	-1.50e-04	0.0	6.69e-05
918	88	0.02	-0.39	-0.14	1.08e-04	0.0	5.95e-05
918	92	0.02	-0.06	-0.17	-5.64e-05	0.0	6.69e-05
918	98	0.02	-0.05	-0.14	-4.71e-05	0.0	5.55e-05
918	105	0.02	-0.11	-0.13	-1.33e-05	0.0	5.29e-05
918	107	0.02	-0.04	-0.13	-4.49e-05	0.0	5.28e-05
918	108	2.39	1.28	-0.25	-6.53e-04	0.0	-1.21e-04
918	112	2.98	1.31	-0.24	-6.64e-04	0.0	-1.25e-04
918	139	-1.65	-2.94	-0.08	1.26e-03	0.0	3.31e-05
918	140	2.69	1.44	-0.26	-7.29e-04	0.0	-1.43e-04
918	144	3.35	1.48	-0.25	-7.42e-04	0.0	-1.47e-04
918	171	-1.86	-3.30	-0.07	1.42e-03	0.0	3.09e-05
918	172	2.69	1.42	-0.26	-7.20e-04	0.0	-1.41e-04
918	176	3.35	1.46	-0.25	-7.35e-04	0.0	-1.46e-04
918	203	-1.89	-3.27	-0.07	1.41e-03	0.0	3.46e-05
918	204	3.16	1.67	-0.28	-8.32e-04	0.0	-1.74e-04
918	208	3.94	1.71	-0.27	-8.51e-04	0.0	-1.80e-04
918	235	-2.25	-3.81	-0.05	1.65e-03	0.0	3.33e-05
919	4	0.02	0.41	-0.25	-2.23e-04	0.0	4.00e-05
919	44	0.01	-0.72	-0.21	1.63e-04	0.0	3.26e-05
919	52	0.02	-0.01	-0.24	-8.37e-05	0.0	3.88e-05
919	68	0.01	0.27	-0.17	-1.52e-04	0.0	2.79e-05
919	88	0.01	-0.48	-0.15	1.06e-04	0.0	2.30e-05
919	92	0.01	-7.82e-03	-0.17	-5.88e-05	0.0	2.72e-05
919	98	0.01	-6.18e-03	-0.14	-4.91e-05	0.0	2.24e-05
919	105	9.71e-03	-0.10	-0.14	-1.53e-05	0.0	2.12e-05
919	107	9.87e-03	-5.74e-03	-0.14	-4.68e-05	0.0	2.13e-05
919	108	3.07	1.84	-0.25	-6.52e-04	0.0	-2.27e-04
919	112	3.83	1.88	-0.24	-6.63e-04	0.0	-2.90e-04
919	139	-2.14	-4.03	-0.08	1.25e-03	0.0	2.11e-04
919	140	3.46	2.07	-0.26	-7.28e-04	0.0	-2.58e-04
919	144	4.31	2.12	-0.25	-7.41e-04	0.0	-3.30e-04
919	171	-2.42	-4.53	-0.07	1.41e-03	0.0	2.36e-04
919	172	3.46	2.05	-0.26	-7.19e-04	0.0	-2.56e-04
919	176	4.31	2.10	-0.25	-7.34e-04	0.0	-3.28e-04
919	203	-2.45	-4.49	-0.07	1.40e-03	0.0	2.39e-04
919	204	4.06	2.39	-0.28	-8.31e-04	0.0	-3.03e-04
919	208	5.07	2.45	-0.27	-8.50e-04	0.0	-3.89e-04
919	235	-2.92	-5.23	-0.06	1.64e-03	0.0	2.81e-04

920	4	0.01	0.51	-0.25	-2.25e-04	0.0	4.67e-06
920	18	9.25e-03	0.82	-0.22	-3.08e-04	0.0	5.60e-06
920	52	0.01	0.03	-0.24	-8.60e-05	0.0	2.53e-06
920	68	8.26e-03	0.34	-0.17	-1.53e-04	0.0	3.11e-06
920	75	6.50e-03	0.55	-0.16	-2.08e-04	0.0	3.74e-06
920	92	8.94e-03	0.02	-0.17	-6.05e-05	0.0	1.69e-06
920	98	7.31e-03	0.02	-0.14	-5.04e-05	0.0	1.22e-06
920	103	6.65e-03	0.12	-0.14	-7.90e-05	0.0	1.58e-06
920	107	6.87e-03	0.02	-0.14	-4.81e-05	0.0	1.11e-06
920	108	3.44	2.12	-0.25	-6.52e-04	0.0	-2.81e-04
920	112	4.28	2.17	-0.24	-6.63e-04	0.0	-3.52e-04
920	136	2.42	4.60	-0.19	-1.34e-03	0.0	-2.15e-04
920	140	3.87	2.39	-0.26	-7.28e-04	0.0	-3.17e-04
920	144	4.82	2.44	-0.25	-7.40e-04	0.0	-3.97e-04
920	168	2.73	5.17	-0.20	-1.50e-03	0.0	-2.43e-04
920	172	3.87	2.36	-0.26	-7.19e-04	0.0	-3.14e-04
920	176	4.83	2.42	-0.25	-7.34e-04	0.0	-3.95e-04
920	200	2.76	5.12	-0.20	-1.49e-03	0.0	-2.47e-04
920	204	4.55	2.75	-0.28	-8.30e-04	0.0	-3.68e-04
920	208	5.67	2.82	-0.27	-8.49e-04	0.0	-4.64e-04
920	232	3.29	5.97	-0.21	-1.73e-03	0.0	-2.95e-04
921	1	0.0	0.0	0.0	-8.01e-04	0.0	2.30e-06
921	65	0.0	0.0	0.0	-5.34e-04	0.0	1.54e-06
921	97	0.0	0.0	0.0	0.0	0.0	0.0
921	106	0.0	0.0	0.0	0.0	0.0	0.0
921	108	0.0	0.0	0.0	-1.35e-03	0.0	-3.07e-06
921	140	0.0	0.0	0.0	-1.52e-03	0.0	-3.47e-06
921	172	0.0	0.0	0.0	-1.50e-03	0.0	-3.45e-06
921	204	0.0	0.0	0.0	-1.75e-03	0.0	-4.06e-06
922	20	6.64e-03	1.07	-1.37e-03	-1.33e-03	0.0	8.16e-05
922	28	0.03	-0.38	-2.24e-03	4.71e-04	0.0	-2.24e-05
922	73	8.00e-03	0.71	-1.40e-03	-8.89e-04	0.0	5.47e-05
922	80	0.02	-0.25	-1.67e-03	3.14e-04	0.0	-1.48e-05
922	98	0.01	-2.22e-04	-1.56e-03	0.0	0.0	1.14e-06
922	102	9.02e-03	0.14	-1.41e-03	-1.78e-04	0.0	1.16e-05
922	107	0.01	-1.89e-04	-1.54e-03	0.0	0.0	1.09e-06
922	111	-0.37	-1.08	-0.01	1.35e-03	0.0	6.61e-05
922	113	0.40	0.42	9.99e-03	-5.29e-04	0.0	-8.14e-05
922	139	0.12	-1.40	1.06e-03	1.75e-03	0.0	-4.78e-06
922	143	-0.41	-1.21	-0.01	1.52e-03	0.0	7.44e-05
922	145	0.45	0.48	0.01	-5.97e-04	0.0	-9.19e-05
922	171	0.13	-1.58	1.39e-03	1.97e-03	0.0	-5.45e-06
922	175	-0.39	-1.20	-0.01	1.50e-03	0.0	7.39e-05
922	177	0.43	0.47	0.01	-5.92e-04	0.0	-9.14e-05
922	203	0.13	-1.57	1.39e-03	1.97e-03	0.0	-4.57e-06
922	207	-0.46	-1.40	-0.02	1.75e-03	0.0	8.64e-05
922	209	0.49	0.56	0.01	-6.96e-04	0.0	-1.08e-04
922	235	0.15	-1.85	1.84e-03	2.32e-03	0.0	-5.05e-06
923	1	0.0	0.0	0.0	0.0	1.38e-06	0.0
923	65	0.0	0.0	0.0	0.0	1.03e-06	0.0
923	97	0.0	0.0	0.0	0.0	1.83e-06	0.0
923	106	0.0	0.0	0.0	0.0	1.83e-06	0.0
923	108	0.0	0.0	0.0	0.0	1.82e-03	2.73e-05
923	140	0.0	0.0	0.0	0.0	2.05e-03	3.07e-05
923	172	0.0	0.0	0.0	0.0	2.06e-03	2.99e-05
923	204	0.0	0.0	0.0	0.0	2.43e-03	3.51e-05
924	16	5.41e-03	0.55	-1.06e-03	-1.36e-03	0.0	5.37e-06
924	28	0.01	-0.19	-1.14e-03	4.78e-04	0.0	0.0
924	73	4.04e-03	0.37	-8.17e-04	-9.08e-04	0.0	3.62e-06
924	80	9.55e-03	-0.13	-8.73e-04	3.19e-04	0.0	0.0
924	98	7.29e-03	2.72e-04	-8.53e-04	0.0	0.0	0.0
924	102	4.59e-03	0.07	-8.31e-04	-1.82e-04	0.0	1.08e-06
924	105	7.21e-03	-0.04	-8.54e-04	1.06e-04	0.0	0.0
924	106	4.82e-03	2.76e-04	-8.36e-04	0.0	0.0	0.0
924	107	6.94e-03	2.73e-04	-8.50e-04	0.0	0.0	0.0
924	113	0.22	0.19	-6.33e-03	-4.71e-04	0.0	-3.40e-05
924	136	-0.05	0.69	4.61e-04	-1.72e-03	0.0	-2.73e-05
924	145	0.24	0.21	-7.02e-03	-5.31e-04	0.0	-3.84e-05
924	168	-0.06	0.78	6.27e-04	-1.94e-03	0.0	-3.09e-05
924	177	0.23	0.21	-6.77e-03	-5.28e-04	0.0	-3.82e-05
924	200	-0.06	0.78	6.29e-04	-1.94e-03	0.0	-3.12e-05
924	209	0.27	0.25	-7.67e-03	-6.20e-04	0.0	-4.49e-05
924	232	-0.07	0.91	8.60e-04	-2.28e-03	0.0	-3.74e-05
925	1	0.0	0.0	0.0	-8.19e-04	0.0	2.51e-06
925	65	0.0	0.0	0.0	-5.46e-04	0.0	1.68e-06

925	97	0.0	0.0	0.0	0.0	0.0	0.0
925	106	0.0	0.0	0.0	0.0	0.0	0.0
925	108	0.0	0.0	0.0	-1.29e-03	0.0	-3.04e-06
925	140	0.0	0.0	0.0	-1.45e-03	0.0	-3.44e-06
925	172	0.0	0.0	0.0	-1.43e-03	0.0	-3.42e-06
925	204	0.0	0.0	0.0	-1.67e-03	0.0	-4.02e-06
926	16	8.84e-03	1.09	-1.45e-03	-1.36e-03	0.0	-9.32e-06
926	28	0.02	-0.38	-1.52e-03	4.78e-04	0.0	5.05e-06
926	44	0.02	-0.64	-1.52e-03	7.98e-04	0.0	6.92e-06
926	73	6.58e-03	0.73	-1.12e-03	-9.09e-04	0.0	-6.14e-06
926	80	0.02	-0.26	-1.16e-03	3.19e-04	0.0	3.44e-06
926	88	0.01	-0.43	-1.17e-03	5.32e-04	0.0	4.69e-06
926	98	0.01	5.42e-04	-1.15e-03	0.0	0.0	1.16e-06
926	102	7.33e-03	0.15	-1.14e-03	-1.82e-04	0.0	0.0
926	105	0.01	-0.08	-1.15e-03	1.06e-04	0.0	1.80e-06
926	106	7.66e-03	5.51e-04	-1.15e-03	0.0	0.0	0.0
926	107	0.01	5.44e-04	-1.15e-03	0.0	0.0	1.11e-06
926	113	0.38	0.38	-0.01	-4.72e-04	0.0	-6.62e-05
926	136	-0.09	1.38	1.73e-03	-1.72e-03	0.0	-5.38e-05
926	145	0.42	0.43	-0.01	-5.31e-04	0.0	-7.47e-05
926	168	-0.10	1.55	2.10e-03	-1.94e-03	0.0	-6.09e-05
926	177	0.41	0.42	-0.01	-5.28e-04	0.0	-7.43e-05
926	200	-0.10	1.55	2.10e-03	-1.94e-03	0.0	-6.15e-05
926	209	0.47	0.50	-0.02	-6.20e-04	0.0	-8.72e-05
926	232	-0.12	1.82	2.61e-03	-2.28e-03	0.0	-7.37e-05
927	18	4.26e-03	0.79	-0.92	0.0	0.0	-4.61e-06
927	28	0.01	-0.38	-1.15	0.0	2.10e-06	-6.13e-06
927	52	0.01	0.08	-1.13	0.0	2.61e-06	-6.17e-06
927	75	2.83e-03	0.53	-0.65	0.0	0.0	-3.32e-06
927	80	7.06e-03	-0.25	-0.80	0.0	1.34e-06	-4.34e-06
927	92	8.32e-03	0.05	-0.79	0.0	1.68e-06	-4.37e-06
927	98	6.35e-03	0.04	-0.65	0.0	1.19e-06	-3.69e-06
927	103	5.01e-03	0.14	-0.61	0.0	0.0	-3.41e-06
927	107	5.75e-03	0.04	-0.61	0.0	1.03e-06	-3.53e-06
927	112	6.07	2.29	-0.47	8.47e-06	1.83e-03	-3.29e-04
927	136	3.44	4.18	-0.32	4.96e-06	1.03e-03	-2.06e-04
927	139	-3.43	-4.10	-0.90	-4.94e-06	-1.03e-03	1.99e-04
927	144	6.84	2.57	-0.45	9.55e-06	2.06e-03	-3.71e-04
927	168	3.89	4.70	-0.29	5.61e-06	1.16e-03	-2.33e-04
927	171	-3.88	-4.62	-0.94	-5.59e-06	-1.16e-03	2.25e-04
927	176	6.89	2.55	-0.46	9.59e-06	2.08e-03	-3.70e-04
927	200	4.00	4.66	-0.29	5.77e-06	1.20e-03	-2.37e-04
927	203	-3.99	-4.58	-0.93	-5.75e-06	-1.19e-03	2.30e-04
927	208	8.13	2.97	-0.43	1.13e-05	2.45e-03	-4.34e-04
927	232	4.79	5.44	-0.24	6.92e-06	1.43e-03	-2.83e-04
927	235	-4.78	-5.36	-0.99	-6.91e-06	-1.43e-03	2.76e-04
928	15	0.02	1.42	-0.03	7.33e-04	0.0	5.64e-05
928	18	0.04	1.42	-0.02	7.31e-04	0.0	5.76e-05
928	28	0.04	-0.60	-0.02	-1.59e-04	0.0	-1.48e-05
928	72	0.02	0.95	-0.02	4.88e-04	0.0	3.77e-05
928	75	0.03	0.95	-0.02	4.87e-04	0.0	3.85e-05
928	80	0.03	-0.40	-0.02	-1.07e-04	0.0	-9.76e-06
928	98	0.02	3.03e-03	-0.02	-4.57e-06	0.0	1.74e-06
928	102	0.02	0.19	-0.02	9.47e-05	0.0	8.41e-06
928	103	0.02	0.19	-0.02	9.39e-05	0.0	8.97e-06
928	106	0.02	2.90e-03	-0.02	-3.67e-06	0.0	1.09e-06
928	107	0.02	3.01e-03	-0.02	-4.44e-06	0.0	1.64e-06
928	108	2.12	3.24	-0.07	-1.14e-03	0.0	-2.17e-04
928	113	2.13	1.28	-0.06	-4.63e-04	0.0	-2.18e-04
928	136	-0.47	4.16	-0.05	-1.44e-03	0.0	-1.67e-04
928	140	2.39	3.64	-0.08	-1.29e-03	0.0	-2.45e-04
928	145	2.39	1.45	-0.06	-5.21e-04	0.0	-2.46e-04
928	168	-0.53	4.69	-0.05	-1.62e-03	0.0	-1.89e-04
928	172	2.29	3.60	-0.07	-1.27e-03	0.0	-2.43e-04
928	177	2.29	1.44	-0.06	-5.19e-04	0.0	-2.45e-04
928	200	-0.53	4.69	-0.05	-1.62e-03	0.0	-1.92e-04
928	204	2.64	4.21	-0.08	-1.49e-03	0.0	-2.85e-04
928	209	2.64	1.69	-0.07	-6.10e-04	0.0	-2.87e-04
928	232	-0.62	5.51	-0.05	-1.91e-03	0.0	-2.29e-04
929	15	0.03	1.74	-0.03	7.31e-04	0.0	1.29e-04
929	16	0.03	1.74	-0.03	7.31e-04	0.0	1.29e-04
929	28	0.05	-0.67	-0.02	-1.59e-04	0.0	-3.54e-05
929	72	0.02	1.16	-0.02	4.87e-04	0.0	8.60e-05
929	73	0.02	1.16	-0.02	4.87e-04	0.0	8.61e-05
929	80	0.04	-0.44	-0.02	-1.06e-04	0.0	-2.35e-05

929	98	0.03	1.08e-03	-0.02	-4.55e-06	0.0	2.12e-06
929	102	0.02	0.23	-0.02	9.45e-05	0.0	1.83e-05
929	106	0.02	1.32e-03	-0.02	-3.65e-06	0.0	1.41e-06
929	107	0.03	1.11e-03	-0.02	-4.42e-06	0.0	2.02e-06
929	108	1.93	2.74	-0.07	-1.14e-03	0.0	-1.80e-04
929	113	1.94	1.08	-0.05	-4.63e-04	0.0	-2.29e-04
929	136	-0.43	3.54	-0.04	-1.44e-03	0.0	1.81e-05
929	140	2.17	3.09	-0.07	-1.29e-03	0.0	-2.02e-04
929	145	2.18	1.22	-0.06	-5.21e-04	0.0	-2.59e-04
929	168	-0.49	3.99	-0.05	-1.62e-03	0.0	1.99e-05
929	172	2.08	3.05	-0.07	-1.27e-03	0.0	-2.01e-04
929	177	2.09	1.21	-0.06	-5.19e-04	0.0	-2.58e-04
929	200	-0.49	3.99	-0.05	-1.62e-03	0.0	1.71e-05
929	204	2.40	3.56	-0.08	-1.49e-03	0.0	-2.36e-04
929	209	2.40	1.42	-0.06	-6.10e-04	0.0	-3.03e-04
929	232	-0.57	4.69	-0.05	-1.91e-03	0.0	1.80e-05
930	4	0.03	0.67	-0.02	4.44e-04	0.0	1.14e-05
930	15	0.02	1.11	-0.03	7.46e-04	0.0	1.66e-05
930	18	0.03	1.11	-0.02	7.45e-04	0.0	1.75e-05
930	68	0.02	0.45	-0.02	2.95e-04	0.0	7.65e-06
930	72	0.01	0.74	-0.02	4.97e-04	0.0	1.11e-05
930	75	0.02	0.74	-0.02	4.96e-04	0.0	1.17e-05
930	98	0.02	5.03e-03	-0.02	-4.61e-06	0.0	0.0
930	102	0.01	0.15	-0.02	9.65e-05	0.0	2.56e-06
930	103	0.02	0.15	-0.02	9.57e-05	0.0	2.98e-06
930	106	0.01	4.50e-03	-0.02	-3.70e-06	0.0	0.0
930	107	0.02	4.95e-03	-0.02	-4.48e-06	0.0	0.0
930	108	2.36	3.73	-0.07	-1.14e-03	0.0	-2.54e-04
930	136	-0.53	4.78	-9.70e-03	-1.44e-03	0.0	-1.95e-04
930	140	2.65	4.20	-0.08	-1.28e-03	0.0	-2.87e-04
930	168	-0.59	5.39	-8.62e-03	-1.62e-03	0.0	-2.20e-04
930	172	2.54	4.15	-0.07	-1.27e-03	0.0	-2.84e-04
930	200	-0.59	5.39	-8.73e-03	-1.62e-03	0.0	-2.23e-04
930	204	2.93	4.85	-0.08	-1.49e-03	0.0	-3.33e-04
930	232	-0.69	6.34	-7.34e-03	-1.91e-03	0.0	-2.67e-04
931	15	8.29e-03	0.77	-0.03	7.63e-04	0.0	1.05e-05
931	18	0.01	0.77	-0.02	7.61e-04	0.0	1.10e-05
931	72	5.55e-03	0.51	-0.02	5.08e-04	0.0	6.95e-06
931	75	7.10e-03	0.52	-0.02	5.07e-04	0.0	7.24e-06
931	102	1.86e-03	0.11	-0.02	9.87e-05	0.0	0.0
931	103	2.89e-03	0.11	-0.02	9.79e-05	0.0	1.15e-06
931	106	9.36e-04	6.13e-03	-0.02	-3.75e-06	0.0	0.0
931	107	1.97e-03	6.93e-03	-0.02	-4.55e-06	0.0	0.0
931	108	2.57	4.22	-0.07	-1.14e-03	0.0	-2.84e-04
931	136	-0.58	5.40	-9.69e-03	-1.43e-03	0.0	-2.17e-04
931	140	2.90	4.75	-0.08	-1.28e-03	0.0	-3.20e-04
931	168	-0.66	6.08	-8.60e-03	-1.62e-03	0.0	-2.45e-04
931	172	2.78	4.70	-0.07	-1.27e-03	0.0	-3.18e-04
931	200	-0.66	6.09	-8.72e-03	-1.62e-03	0.0	-2.49e-04
931	204	3.20	5.50	-0.08	-1.48e-03	0.0	-3.72e-04
931	232	-0.76	7.16	-7.33e-03	-1.90e-03	0.0	-2.97e-04
932	4	0.04	0.87	-0.02	4.49e-04	0.0	1.50e-05
932	15	0.02	1.45	-0.03	7.53e-04	0.0	2.14e-05
932	18	0.04	1.45	-0.02	7.52e-04	0.0	2.26e-05
932	68	0.03	0.58	-0.02	2.99e-04	0.0	1.01e-05
932	72	0.02	0.97	-0.02	5.02e-04	0.0	1.44e-05
932	75	0.02	0.97	-0.02	5.01e-04	0.0	1.51e-05
932	98	0.02	4.03e-03	-0.02	-3.38e-06	0.0	1.65e-06
932	102	0.01	0.20	-0.02	9.82e-05	0.0	3.69e-06
932	103	0.02	0.20	-0.02	9.77e-05	0.0	4.22e-06
932	106	0.01	3.52e-03	-0.02	-2.73e-06	0.0	1.02e-06
932	107	0.02	3.96e-03	-0.02	-3.29e-06	0.0	1.56e-06
932	113	2.12	1.14	-8.38e-03	-4.10e-04	0.0	-2.21e-04
932	114	-2.08	-1.13	-0.03	4.04e-04	0.0	2.25e-04
932	136	-0.47	4.10	-0.02	-1.42e-03	0.0	-1.69e-04
932	145	2.39	1.28	-7.22e-03	-4.62e-04	0.0	-2.50e-04
932	146	-2.34	-1.28	-0.03	4.56e-04	0.0	2.53e-04
932	168	-0.54	4.62	-0.02	-1.60e-03	0.0	-1.91e-04
932	177	2.29	1.28	-7.80e-03	-4.61e-04	0.0	-2.48e-04
932	178	-2.25	-1.27	-0.03	4.54e-04	0.0	2.51e-04
932	200	-0.54	4.62	-0.02	-1.60e-03	0.0	-1.94e-04
932	209	2.64	1.50	-6.36e-03	-5.42e-04	0.0	-2.91e-04
932	230	-1.78	3.65	-0.03	-1.24e-03	0.0	-2.48e-05
932	232	-0.62	5.42	-0.02	-1.88e-03	0.0	-2.32e-04
933	15	0.02	1.77	-0.02	7.53e-04	0.0	-2.51e-05

933	18	0.04	1.77	-0.02	7.51e-04	0.0	-2.37e-05
933	28	0.05	-0.67	-0.02	-1.63e-04	0.0	1.10e-05
933	72	0.02	1.18	-0.02	5.01e-04	0.0	-1.66e-05
933	75	0.03	1.18	-0.02	5.01e-04	0.0	-1.57e-05
933	80	0.03	-0.45	-0.02	-1.09e-04	0.0	7.49e-06
933	98	0.03	2.55e-03	-0.02	-3.41e-06	0.0	2.27e-06
933	102	0.02	0.24	-0.02	9.81e-05	0.0	-2.11e-06
933	103	0.02	0.24	-0.02	9.75e-05	0.0	-1.46e-06
933	106	0.02	2.32e-03	-0.02	-2.75e-06	0.0	1.51e-06
933	107	0.02	2.51e-03	-0.02	-3.31e-06	0.0	2.16e-06
933	113	1.96	0.96	-0.01	-4.10e-04	0.0	-1.97e-04
933	134	-1.31	2.38	-0.02	-9.52e-04	0.0	-1.59e-05
933	136	-0.43	3.49	-0.02	-1.42e-03	0.0	-1.52e-04
933	145	2.20	1.08	-0.01	-4.62e-04	0.0	-2.22e-04
933	166	-1.47	2.68	-0.03	-1.07e-03	0.0	-1.84e-05
933	168	-0.49	3.93	-0.02	-1.60e-03	0.0	-1.72e-04
933	177	2.11	1.08	-0.01	-4.61e-04	0.0	-2.20e-04
933	198	-1.42	2.66	-0.03	-1.07e-03	0.0	-1.96e-05
933	200	-0.49	3.93	-0.02	-1.60e-03	0.0	-1.75e-04
933	209	2.43	1.26	-9.96e-03	-5.42e-04	0.0	-2.58e-04
933	230	-1.64	3.11	-0.03	-1.24e-03	0.0	-2.48e-05
933	232	-0.57	4.61	-0.02	-1.88e-03	0.0	-2.10e-04
934	4	0.03	0.68	-0.02	4.57e-04	0.0	1.89e-05
934	15	0.02	1.12	-0.03	7.67e-04	0.0	2.92e-05
934	18	0.03	1.12	-0.02	7.66e-04	0.0	3.01e-05
934	68	0.02	0.45	-0.02	3.04e-04	0.0	1.26e-05
934	72	0.01	0.75	-0.02	5.11e-04	0.0	1.95e-05
934	75	0.02	0.75	-0.02	5.10e-04	0.0	2.01e-05
934	98	0.01	5.50e-03	-0.02	-3.26e-06	0.0	0.0
934	102	9.94e-03	0.15	-0.02	1.00e-04	0.0	4.22e-06
934	103	0.01	0.15	-0.02	9.95e-05	0.0	4.62e-06
934	106	9.41e-03	4.70e-03	-0.02	-2.64e-06	0.0	0.0
934	107	0.01	5.38e-03	-0.02	-3.17e-06	0.0	0.0
934	108	2.35	3.56	-9.89e-03	-1.09e-03	0.0	-2.53e-04
934	114	-2.32	-1.31	-0.03	4.04e-04	0.0	2.56e-04
934	136	-0.53	4.71	-0.02	-1.41e-03	0.0	-1.94e-04
934	140	2.65	4.01	-8.90e-03	-1.23e-03	0.0	-2.85e-04
934	146	-2.61	-1.47	-0.03	4.56e-04	0.0	2.88e-04
934	168	-0.60	5.31	-0.02	-1.59e-03	0.0	-2.19e-04
934	172	2.54	3.97	-9.41e-03	-1.21e-03	0.0	-2.83e-04
934	178	-2.51	-1.47	-0.03	4.54e-04	0.0	2.87e-04
934	200	-0.60	5.31	-0.02	-1.60e-03	0.0	-2.22e-04
934	204	2.92	4.63	-8.20e-03	-1.42e-03	0.0	-3.31e-04
934	210	-2.89	-1.72	-0.03	5.36e-04	0.0	3.36e-04
934	232	-0.69	6.24	-0.03	-1.88e-03	0.0	-2.65e-04
935	15	8.59e-03	0.78	-0.03	7.83e-04	0.0	1.18e-05
935	18	0.01	0.78	-0.02	7.82e-04	0.0	1.24e-05
935	72	5.79e-03	0.52	-0.02	5.22e-04	0.0	7.83e-06
935	75	7.50e-03	0.52	-0.02	5.21e-04	0.0	8.24e-06
935	102	2.20e-03	0.11	-0.02	1.02e-04	0.0	1.46e-06
935	103	3.35e-03	0.11	-0.02	1.02e-04	0.0	1.73e-06
935	106	1.30e-03	5.78e-03	-0.02	-2.56e-06	0.0	0.0
935	107	2.46e-03	6.67e-03	-0.02	-3.07e-06	0.0	0.0
935	108	2.57	4.03	-9.91e-03	-1.09e-03	0.0	-2.84e-04
935	114	-2.56	-1.48	-0.03	4.04e-04	0.0	2.86e-04
935	136	-0.58	5.32	-0.02	-1.41e-03	0.0	-2.17e-04
935	140	2.90	4.54	-8.93e-03	-1.22e-03	0.0	-3.20e-04
935	146	-2.88	-1.67	-0.03	4.56e-04	0.0	3.22e-04
935	168	-0.66	6.00	-0.02	-1.59e-03	0.0	-2.45e-04
935	172	2.78	4.49	-9.43e-03	-1.21e-03	0.0	-3.17e-04
935	178	-2.77	-1.66	-0.03	4.55e-04	0.0	3.20e-04
935	200	-0.66	6.00	-0.02	-1.59e-03	0.0	-2.48e-04
935	204	3.20	5.24	-8.23e-03	-1.42e-03	0.0	-3.71e-04
935	210	-3.19	-1.96	-0.03	5.36e-04	0.0	3.75e-04
935	232	-0.76	7.05	-0.03	-1.87e-03	0.0	-2.97e-04
936	18	0.01	0.09	-0.04	0.0	3.00e-05	7.78e-06
936	28	0.02	-0.04	-0.05	0.0	4.19e-05	1.40e-05
936	75	9.45e-03	0.06	-0.03	0.0	2.13e-05	5.63e-06
936	80	0.01	-0.03	-0.04	0.0	2.92e-05	9.79e-06
936	98	0.01	6.81e-03	-0.03	0.0	2.27e-05	7.23e-06
936	103	9.54e-03	0.02	-0.03	0.0	2.11e-05	6.50e-06
936	107	9.82e-03	6.60e-03	-0.03	0.0	2.16e-05	6.89e-06
936	113	0.30	0.28	-0.02	0.0	7.92e-04	-9.27e-05
936	136	-0.06	0.64	2.58e-03	0.0	-1.65e-04	-5.70e-05
936	139	0.08	-0.63	-0.06	0.0	2.08e-04	7.08e-05

936	145	0.34	0.31	-0.02	0.0	8.88e-04	-1.05e-04
936	168	-0.07	0.72	6.30e-03	0.0	-1.88e-04	-6.51e-05
936	171	0.09	-0.71	-0.06	0.0	2.31e-04	7.89e-05
936	177	0.33	0.31	-0.02	0.0	8.58e-04	-1.04e-04
936	200	-0.07	0.72	6.30e-03	0.0	-1.88e-04	-6.53e-05
936	203	0.09	-0.71	-0.06	0.0	2.31e-04	7.90e-05
936	209	0.38	0.36	-0.02	0.0	9.87e-04	-1.23e-04
936	232	-0.08	0.85	0.01	0.0	-2.20e-04	-7.86e-05
936	235	0.10	-0.84	-0.07	0.0	2.63e-04	9.24e-05
937	1	0.0	0.0	0.0	0.0	1.90e-05	0.0
937	65	0.0	0.0	0.0	0.0	1.40e-05	0.0
937	97	0.0	0.0	0.0	0.0	1.58e-05	0.0
937	106	0.0	0.0	0.0	0.0	1.58e-05	0.0
937	108	0.0	0.0	0.0	0.0	7.62e-04	-1.05e-05
937	140	0.0	0.0	0.0	0.0	8.54e-04	-1.19e-05
937	172	0.0	0.0	0.0	0.0	8.24e-04	-1.18e-05
937	204	0.0	0.0	0.0	0.0	9.48e-04	-1.41e-05
938	18	0.03	0.18	-0.07	0.0	2.58e-05	1.44e-05
938	28	0.04	-0.08	-0.10	0.0	3.43e-05	2.41e-05
938	75	0.02	0.12	-0.05	0.0	1.83e-05	1.04e-05
938	80	0.03	-0.05	-0.07	0.0	2.40e-05	1.68e-05
938	98	0.02	0.01	-0.05	0.0	1.88e-05	1.26e-05
938	103	0.02	0.03	-0.05	0.0	1.76e-05	1.14e-05
938	107	0.02	0.01	-0.05	0.0	1.79e-05	1.20e-05
938	113	0.63	0.56	-0.03	0.0	8.36e-04	-1.54e-04
938	135	0.12	-1.26	-0.11	0.0	1.52e-04	1.26e-04
938	136	-0.13	1.29	8.40e-03	0.0	-1.74e-04	-9.25e-05
938	145	0.70	0.63	-0.03	0.0	9.38e-04	-1.75e-04
938	168	-0.15	1.46	0.02	0.0	-1.98e-04	-1.06e-04
938	171	0.19	-1.43	-0.12	0.0	2.34e-04	1.30e-04
938	177	0.68	0.63	-0.03	0.0	9.05e-04	-1.73e-04
938	200	-0.15	1.46	0.02	0.0	-1.98e-04	-1.07e-04
938	203	0.19	-1.44	-0.12	0.0	2.33e-04	1.31e-04
938	209	0.78	0.73	-0.03	0.0	1.04e-03	-2.05e-04
938	232	-0.17	1.72	0.03	0.0	-2.31e-04	-1.30e-04
938	235	0.21	-1.70	-0.13	0.0	2.66e-04	1.54e-04
939	18	0.04	0.28	-0.11	0.0	1.86e-05	2.25e-05
939	28	0.05	-0.13	-0.15	0.0	2.25e-05	3.48e-05
939	75	0.03	0.18	-0.08	0.0	1.32e-05	1.61e-05
939	80	0.03	-0.08	-0.10	0.0	1.57e-05	2.43e-05
939	98	0.03	0.02	-0.08	0.0	1.26e-05	1.85e-05
939	103	0.02	0.05	-0.08	0.0	1.20e-05	1.70e-05
939	107	0.03	0.02	-0.08	0.0	1.20e-05	1.76e-05
939	113	0.97	0.85	-0.05	0.0	8.70e-04	-1.48e-04
939	135	0.19	-1.92	-0.17	0.0	1.45e-04	1.31e-04
939	136	-0.20	1.96	0.02	0.0	-1.82e-04	-9.08e-05
939	145	1.09	0.95	-0.05	0.0	9.78e-04	-1.69e-04
939	168	-0.23	2.21	0.03	0.0	-2.06e-04	-1.05e-04
939	171	0.28	-2.17	-0.18	0.0	2.30e-04	1.40e-04
939	177	1.06	0.94	-0.05	0.0	9.44e-04	-1.68e-04
939	200	-0.23	2.21	0.03	0.0	-2.05e-04	-1.09e-04
939	203	0.28	-2.18	-0.18	0.0	2.29e-04	1.44e-04
939	209	1.21	1.11	-0.04	0.0	1.09e-03	-2.00e-04
939	232	-0.27	2.61	0.05	0.0	-2.38e-04	-1.34e-04
939	235	0.32	-2.58	-0.20	0.0	2.62e-04	1.70e-04
940	18	9.37e-03	0.09	-0.03	0.0	2.10e-05	5.70e-06
940	28	0.01	-0.04	-0.04	0.0	2.76e-05	9.83e-06
940	75	6.65e-03	0.06	-0.02	0.0	1.49e-05	4.11e-06
940	80	8.77e-03	-0.03	-0.03	0.0	1.93e-05	6.87e-06
940	98	6.88e-03	6.55e-03	-0.02	0.0	1.52e-05	5.11e-06
940	103	6.42e-03	0.02	-0.02	0.0	1.42e-05	4.62e-06
940	107	6.54e-03	6.35e-03	-0.02	0.0	1.44e-05	4.87e-06
940	113	0.34	0.28	-0.02	0.0	8.53e-04	-6.01e-05
940	127	-0.21	-0.56	-0.04	0.0	-5.37e-04	5.48e-05
940	136	-0.07	0.64	-4.80e-03	0.0	-1.67e-04	-3.63e-05
940	145	0.39	0.31	-0.01	0.0	9.59e-04	-6.83e-05
940	159	-0.24	-0.63	-0.04	0.0	-6.05e-04	6.11e-05
940	168	-0.08	0.72	-2.62e-03	0.0	-1.89e-04	-4.17e-05
940	177	0.37	0.31	-0.01	0.0	9.31e-04	-6.82e-05
940	195	-0.21	-0.63	-0.04	0.0	-5.21e-04	5.87e-05
940	200	-0.08	0.72	-2.56e-03	0.0	-1.87e-04	-4.30e-05
940	209	0.43	0.36	-0.01	0.0	1.08e-03	-8.11e-05
940	227	-0.24	-0.73	-0.04	0.0	-6.08e-04	6.88e-05
940	232	-0.09	0.85	8.80e-04	0.0	-2.17e-04	-5.25e-05
941	1	0.0	0.0	0.0	0.0	1.32e-05	0.0

941	65	0.0	0.0	0.0	0.0	9.75e-06	0.0
941	97	0.0	0.0	0.0	0.0	1.05e-05	0.0
941	106	0.0	0.0	0.0	0.0	1.05e-05	0.0
941	108	0.0	0.0	0.0	0.0	8.52e-04	-7.34e-06
941	140	0.0	0.0	0.0	0.0	9.56e-04	-8.38e-06
941	172	0.0	0.0	0.0	0.0	9.28e-04	-8.39e-06
941	204	0.0	0.0	0.0	0.0	1.07e-03	-1.00e-05
942	18	0.02	0.18	-0.06	0.0	1.76e-05	1.08e-05
942	28	0.02	-0.08	-0.08	0.0	2.25e-05	1.79e-05
942	75	0.01	0.12	-0.04	0.0	1.24e-05	7.78e-06
942	80	0.02	-0.05	-0.06	0.0	1.57e-05	1.25e-05
942	98	0.01	0.01	-0.05	0.0	1.24e-05	9.38e-06
942	103	0.01	0.03	-0.04	0.0	1.17e-05	8.53e-06
942	107	0.01	0.01	-0.04	0.0	1.18e-05	8.94e-06
942	113	0.69	0.56	-0.03	0.0	8.45e-04	-1.06e-04
942	127	-0.43	-1.14	-0.08	0.0	-5.38e-04	9.49e-05
942	136	-0.13	1.29	-9.92e-03	0.0	-1.66e-04	-6.59e-05
942	145	0.77	0.63	-0.03	0.0	9.50e-04	-1.21e-04
942	159	-0.48	-1.28	-0.08	0.0	-6.06e-04	1.06e-04
942	168	-0.15	1.46	-5.64e-03	0.0	-1.88e-04	-7.57e-05
942	177	0.75	0.63	-0.03	0.0	9.22e-04	-1.21e-04
942	195	-0.42	-1.27	-0.08	0.0	-5.23e-04	1.03e-04
942	200	-0.15	1.46	-5.53e-03	0.0	-1.86e-04	-7.84e-05
942	209	0.86	0.73	-0.03	0.0	1.07e-03	-1.44e-04
942	227	-0.49	-1.48	-0.09	0.0	-6.10e-04	1.21e-04
942	232	-0.17	1.72	1.22e-03	0.0	-2.15e-04	-9.61e-05
943	18	0.02	0.27	-0.09	0.0	1.23e-05	1.57e-05
943	28	0.03	-0.13	-0.12	0.0	1.45e-05	2.47e-05
943	75	0.02	0.18	-0.07	0.0	8.66e-06	1.12e-05
943	80	0.02	-0.09	-0.08	0.0	1.01e-05	1.72e-05
943	98	0.02	0.02	-0.07	0.0	8.14e-06	1.31e-05
943	103	0.02	0.05	-0.06	0.0	7.74e-06	1.20e-05
943	107	0.02	0.01	-0.07	0.0	7.73e-06	1.25e-05
943	113	1.02	0.85	-0.05	0.0	8.32e-04	-1.30e-04
943	127	-0.64	-1.72	-0.12	0.0	-5.39e-04	4.63e-06
943	136	-0.20	1.96	-0.02	0.0	-1.64e-04	-8.78e-05
943	145	1.15	0.95	-0.04	0.0	9.35e-04	-1.48e-04
943	159	-0.73	-1.94	-0.12	0.0	-6.07e-04	3.54e-06
943	168	-0.23	2.21	-9.21e-03	0.0	-1.86e-04	-1.01e-04
943	177	1.11	0.95	-0.04	0.0	9.08e-04	-1.48e-04
943	195	-0.63	-1.92	-0.12	0.0	-5.25e-04	2.63e-06
943	200	-0.22	2.21	-9.04e-03	0.0	-1.83e-04	-1.04e-04
943	209	1.29	1.11	-0.04	0.0	1.05e-03	-1.76e-04
943	227	-0.73	-2.25	-0.13	0.0	-6.11e-04	2.24e-06
943	232	-0.26	2.61	9.22e-04	0.0	-2.11e-04	-1.28e-04
944	18	6.93e-03	0.09	-0.03	0.0	1.55e-05	2.44e-06
944	28	8.49e-03	-0.04	-0.04	0.0	1.87e-05	4.96e-06
944	75	4.89e-03	0.06	-0.02	0.0	1.09e-05	1.79e-06
944	80	5.92e-03	-0.03	-0.02	0.0	1.31e-05	3.47e-06
944	98	4.75e-03	6.23e-03	-0.02	0.0	1.05e-05	2.48e-06
944	103	4.49e-03	0.02	-0.02	0.0	9.92e-06	2.21e-06
944	107	4.51e-03	6.05e-03	-0.02	0.0	9.96e-06	2.38e-06
944	113	0.36	0.28	-0.02	0.0	8.91e-04	-4.50e-05
944	127	-0.23	-0.56	-0.03	0.0	-5.65e-04	0.0
944	136	-0.07	0.64	-0.01	0.0	-1.62e-04	-3.13e-05
944	145	0.41	0.31	-0.02	0.0	1.00e-03	-5.10e-05
944	159	-0.26	-0.63	-0.03	0.0	-6.37e-04	0.0
944	168	-0.07	0.72	-0.01	0.0	-1.83e-04	-3.57e-05
944	177	0.40	0.31	-0.02	0.0	9.78e-04	-5.10e-05
944	191	-0.25	-0.62	-0.03	0.0	-6.21e-04	0.0
944	200	-0.07	0.72	-0.01	0.0	-1.80e-04	-3.69e-05
944	209	0.46	0.37	-0.02	0.0	1.13e-03	-6.04e-05
944	227	-0.26	-0.73	-0.03	0.0	-6.50e-04	0.0
944	232	-0.08	0.85	-9.45e-03	0.0	-2.06e-04	-4.49e-05
945	1	0.0	0.0	0.0	0.0	9.62e-06	0.0
945	65	0.0	0.0	0.0	0.0	7.04e-06	0.0
945	97	0.0	0.0	0.0	0.0	7.18e-06	0.0
945	106	0.0	0.0	0.0	0.0	7.18e-06	0.0
945	108	0.0	0.0	0.0	0.0	8.98e-04	-4.54e-06
945	140	0.0	0.0	0.0	0.0	1.01e-03	-5.17e-06
945	172	0.0	0.0	0.0	0.0	9.85e-04	-5.19e-06
945	204	0.0	0.0	0.0	0.0	1.14e-03	-6.19e-06
946	18	0.01	0.18	-0.06	0.0	1.29e-05	4.64e-06
946	28	0.02	-0.08	-0.07	0.0	1.52e-05	9.13e-06
946	75	9.25e-03	0.12	-0.04	0.0	9.07e-06	3.39e-06

946	80	0.01	-0.05	-0.05	0.0	1.06e-05	6.39e-06
946	98	8.95e-03	0.01	-0.04	0.0	8.56e-06	4.60e-06
946	103	8.45e-03	0.03	-0.04	0.0	8.13e-06	4.11e-06
946	107	8.49e-03	0.01	-0.04	0.0	8.12e-06	4.40e-06
946	113	0.72	0.56	-0.03	0.0	8.70e-04	-8.86e-05
946	127	-0.45	-1.14	-0.06	0.0	-5.55e-04	0.0
946	136	-0.13	1.29	-0.02	0.0	-1.58e-04	-6.29e-05
946	145	0.81	0.63	-0.03	0.0	9.78e-04	-1.00e-04
946	159	-0.51	-1.28	-0.06	0.0	-6.25e-04	-1.50e-06
946	168	-0.15	1.46	-0.02	0.0	-1.79e-04	-7.18e-05
946	177	0.79	0.63	-0.03	0.0	9.54e-04	-1.00e-04
946	191	-0.50	-1.25	-0.06	0.0	-6.09e-04	-1.74e-06
946	200	-0.14	1.46	-0.02	0.0	-1.76e-04	-7.41e-05
946	209	0.91	0.73	-0.03	0.0	1.11e-03	-1.19e-04
946	227	-0.52	-1.48	-0.06	0.0	-6.38e-04	-1.14e-06
946	232	-0.17	1.72	-0.02	0.0	-2.02e-04	-8.99e-05
947	18	0.02	0.27	-0.09	0.0	8.88e-06	6.63e-06
947	28	0.02	-0.13	-0.11	0.0	9.80e-06	1.23e-05
947	75	0.01	0.18	-0.06	0.0	6.22e-06	4.82e-06
947	80	0.01	-0.09	-0.07	0.0	6.83e-06	8.64e-06
947	98	0.01	0.02	-0.06	0.0	5.57e-06	6.28e-06
947	103	0.01	0.05	-0.06	0.0	5.35e-06	5.66e-06
947	107	0.01	0.01	-0.06	0.0	5.28e-06	6.01e-06
947	113	1.06	0.85	-0.05	0.0	8.43e-04	-1.25e-04
947	127	-0.67	-1.72	-0.08	0.0	-5.43e-04	0.0
947	136	-0.19	1.96	-0.04	0.0	-1.55e-04	-9.12e-05
947	145	1.19	0.95	-0.05	0.0	9.48e-04	-1.41e-04
947	159	-0.76	-1.94	-0.09	0.0	-6.12e-04	-1.91e-06
947	168	-0.22	2.21	-0.03	0.0	-1.75e-04	-1.04e-04
947	177	1.16	0.95	-0.05	0.0	9.26e-04	-1.41e-04
947	191	-0.74	-1.90	-0.09	0.0	-5.97e-04	-2.32e-06
947	200	-0.21	2.21	-0.03	0.0	-1.72e-04	-1.07e-04
947	209	1.35	1.11	-0.04	0.0	1.07e-03	-1.66e-04
947	227	-0.77	-2.25	-0.09	0.0	-6.25e-04	0.0
947	232	-0.25	2.61	-0.03	0.0	-1.96e-04	-1.30e-04
948	4	7.42e-03	0.06	-0.03	0.0	1.66e-05	-1.52e-06
948	18	6.54e-03	0.09	-0.03	0.0	1.46e-05	-1.73e-06
948	28	7.20e-03	-0.04	-0.03	0.0	1.60e-05	0.0
948	68	5.17e-03	0.04	-0.02	0.0	1.15e-05	-1.01e-06
948	75	4.58e-03	0.06	-0.02	0.0	1.03e-05	-1.15e-06
948	80	5.02e-03	-0.03	-0.02	0.0	1.11e-05	0.0
948	98	4.16e-03	5.92e-03	-0.02	0.0	9.23e-06	0.0
948	103	3.97e-03	0.02	-0.02	0.0	8.84e-06	0.0
948	107	3.94e-03	5.75e-03	-0.02	0.0	8.74e-06	0.0
948	108	0.38	0.56	-0.01	0.0	9.30e-04	-4.28e-05
948	111	-0.37	-0.55	-0.02	0.0	-9.13e-04	4.20e-05
948	136	-0.06	0.64	-0.02	0.0	-1.53e-04	-3.33e-05
948	140	0.43	0.63	-0.01	0.0	1.05e-03	-4.82e-05
948	143	-0.42	-0.62	-0.02	0.0	-1.03e-03	4.74e-05
948	168	-0.07	0.72	-0.02	0.0	-1.73e-04	-3.76e-05
948	172	0.42	0.63	-0.01	0.0	1.03e-03	-4.81e-05
948	175	-0.41	-0.62	-0.02	0.0	-1.01e-03	4.73e-05
948	200	-0.07	0.72	-0.02	0.0	-1.69e-04	-3.86e-05
948	204	0.49	0.73	-0.01	0.0	1.19e-03	-5.64e-05
948	207	-0.48	-0.72	-0.02	0.0	-1.18e-03	5.56e-05
948	232	-0.08	0.85	-0.02	0.0	-1.93e-04	-4.62e-05
949	1	0.0	0.0	0.0	0.0	8.87e-06	0.0
949	65	0.0	0.0	0.0	0.0	6.44e-06	0.0
949	97	0.0	0.0	0.0	0.0	6.14e-06	0.0
949	106	0.0	0.0	0.0	0.0	6.14e-06	0.0
949	108	0.0	0.0	0.0	0.0	9.39e-04	-4.51e-06
949	140	0.0	0.0	0.0	0.0	1.06e-03	-5.07e-06
949	172	0.0	0.0	0.0	0.0	1.04e-03	-5.07e-06
949	204	0.0	0.0	0.0	0.0	1.20e-03	-5.94e-06
950	4	0.01	0.12	-0.07	0.0	1.37e-05	-2.57e-06
950	18	0.01	0.18	-0.06	0.0	1.22e-05	-2.93e-06
950	28	0.01	-0.08	-0.07	0.0	1.31e-05	0.0
950	68	9.78e-03	0.08	-0.05	0.0	9.54e-06	-1.72e-06
950	75	8.69e-03	0.12	-0.04	0.0	8.53e-06	-1.95e-06
950	80	9.47e-03	-0.06	-0.05	0.0	9.13e-06	0.0
950	98	7.85e-03	0.01	-0.04	0.0	7.59e-06	0.0
950	103	7.52e-03	0.03	-0.04	0.0	7.29e-06	0.0
950	107	7.44e-03	0.01	-0.04	0.0	7.18e-06	0.0
950	108	0.75	1.13	-0.03	0.0	9.08e-04	-8.79e-05
950	111	-0.74	-1.11	-0.04	0.0	-8.93e-04	8.66e-05

950	136	-0.12	1.29	-0.03	0.0	-1.51e-04	-6.74e-05
950	140	0.84	1.28	-0.03	0.0	1.02e-03	-9.89e-05
950	143	-0.83	-1.26	-0.05	0.0	-1.01e-03	9.76e-05
950	168	-0.14	1.46	-0.03	0.0	-1.70e-04	-7.61e-05
950	172	0.83	1.26	-0.03	0.0	1.00e-03	-9.88e-05
950	175	-0.81	-1.24	-0.05	0.0	-9.87e-04	9.75e-05
950	200	-0.14	1.46	-0.03	0.0	-1.66e-04	-7.82e-05
950	204	0.96	1.48	-0.03	0.0	1.17e-03	-1.16e-04
950	207	-0.95	-1.45	-0.05	0.0	-1.15e-03	1.15e-04
950	232	-0.16	1.72	-0.03	0.0	-1.89e-04	-9.38e-05
951	4	0.02	0.17	-0.10	0.0	9.26e-06	-3.12e-06
951	18	0.02	0.27	-0.08	0.0	8.35e-06	-3.52e-06
951	28	0.02	-0.13	-0.10	0.0	8.62e-06	0.0
951	68	0.01	0.12	-0.07	0.0	6.43e-06	-2.07e-06
951	75	0.01	0.18	-0.06	0.0	5.83e-06	-2.34e-06
951	80	0.01	-0.09	-0.07	0.0	6.00e-06	0.0
951	98	0.01	0.01	-0.06	0.0	5.01e-06	0.0
951	103	0.01	0.05	-0.06	0.0	4.85e-06	-1.08e-06
951	107	0.01	0.01	-0.06	0.0	4.74e-06	0.0
951	108	1.11	1.71	-0.04	0.0	8.78e-04	-1.31e-04
951	111	-1.09	-1.69	-0.07	0.0	-8.69e-04	1.29e-04
951	136	-0.18	1.96	-0.05	0.0	-1.49e-04	-9.86e-05
951	140	1.25	1.93	-0.04	0.0	9.88e-04	-1.47e-04
951	143	-1.23	-1.90	-0.07	0.0	-9.79e-04	1.46e-04
951	168	-0.21	2.21	-0.05	0.0	-1.68e-04	-1.12e-04
951	172	1.22	1.91	-0.04	0.0	9.69e-04	-1.47e-04
951	175	-1.20	-1.88	-0.07	0.0	-9.60e-04	1.46e-04
951	200	-0.20	2.21	-0.05	0.0	-1.63e-04	-1.15e-04
951	204	1.42	2.23	-0.04	0.0	1.13e-03	-1.73e-04
951	207	-1.40	-2.20	-0.07	0.0	-1.12e-03	1.71e-04
951	232	-0.23	2.61	-0.05	0.0	-1.86e-04	-1.38e-04
952	4	9.55e-03	0.06	-0.03	0.0	2.11e-05	-7.02e-06
952	18	8.58e-03	0.09	-0.03	0.0	1.89e-05	-6.62e-06
952	68	6.64e-03	0.04	-0.02	0.0	1.46e-05	-4.85e-06
952	75	5.98e-03	0.06	-0.02	0.0	1.32e-05	-4.59e-06
952	98	5.19e-03	5.63e-03	-0.02	0.0	1.14e-05	-3.54e-06
952	103	5.01e-03	0.02	-0.02	0.0	1.10e-05	-3.51e-06
952	107	4.90e-03	5.47e-03	-0.02	0.0	1.08e-05	-3.34e-06
952	108	0.40	0.56	-0.02	0.0	9.79e-04	-4.36e-05
952	134	-0.24	0.38	-0.02	0.0	-6.01e-04	-8.55e-06
952	136	-0.06	0.64	-0.02	0.0	-1.43e-04	-3.70e-05
952	140	0.45	0.63	-0.02	0.0	1.10e-03	-4.87e-05
952	166	-0.27	0.43	-0.02	0.0	-6.78e-04	-9.30e-06
952	168	-0.06	0.72	-0.02	0.0	-1.61e-04	-4.14e-05
952	172	0.44	0.63	-0.02	0.0	1.08e-03	-4.83e-05
952	198	-0.27	0.43	-0.02	0.0	-6.67e-04	-9.84e-06
952	200	-0.06	0.72	-0.02	0.0	-1.56e-04	-4.21e-05
952	204	0.51	0.73	-0.01	0.0	1.26e-03	-5.60e-05
952	230	-0.32	0.50	-0.03	0.0	-7.80e-04	-1.14e-05
952	232	-0.07	0.85	-0.02	0.0	-1.77e-04	-4.98e-05
953	1	0.0	0.0	0.0	0.0	1.14e-05	0.0
953	65	0.0	0.0	0.0	0.0	8.20e-06	0.0
953	97	0.0	0.0	0.0	0.0	7.49e-06	0.0
953	106	0.0	0.0	0.0	0.0	7.49e-06	0.0
953	108	0.0	0.0	0.0	0.0	9.86e-04	-4.80e-06
953	140	0.0	0.0	0.0	0.0	1.11e-03	-5.33e-06
953	172	0.0	0.0	0.0	0.0	1.09e-03	-5.29e-06
953	204	0.0	0.0	0.0	0.0	1.27e-03	-6.10e-06
954	4	0.02	0.12	-0.07	0.0	1.72e-05	-1.18e-05
954	18	0.02	0.18	-0.06	0.0	1.54e-05	-1.10e-05
954	68	0.01	0.08	-0.05	0.0	1.20e-05	-8.17e-06
954	75	0.01	0.12	-0.04	0.0	1.08e-05	-7.65e-06
954	98	9.77e-03	0.01	-0.04	0.0	9.37e-06	-6.02e-06
954	103	9.43e-03	0.03	-0.04	0.0	9.03e-06	-5.93e-06
954	107	9.24e-03	0.01	-0.04	0.0	8.85e-06	-5.67e-06
954	108	0.79	1.14	-0.03	0.0	9.59e-04	-9.08e-05
954	134	-0.48	0.77	-0.05	0.0	-5.93e-04	-1.41e-05
954	136	-0.11	1.29	-0.04	0.0	-1.43e-04	-7.34e-05
954	140	0.89	1.28	-0.03	0.0	1.08e-03	-1.01e-04
954	166	-0.54	0.87	-0.05	0.0	-6.68e-04	-1.53e-05
954	168	-0.13	1.46	-0.04	0.0	-1.61e-04	-8.23e-05
954	172	0.87	1.26	-0.03	0.0	1.06e-03	-1.01e-04
954	198	-0.54	0.87	-0.05	0.0	-6.58e-04	-1.64e-05
954	200	-0.12	1.46	-0.04	0.0	-1.56e-04	-8.42e-05
954	204	1.02	1.48	-0.03	0.0	1.24e-03	-1.17e-04

954	230	-0.63	1.02	-0.05	0.0	-7.68e-04	-1.92e-05
954	232	-0.14	1.72	-0.05	0.0	-1.77e-04	-9.99e-05
955	4	0.02	0.17	-0.10	0.0	1.14e-05	-1.45e-05
955	18	0.02	0.27	-0.09	0.0	1.02e-05	-1.34e-05
955	68	0.02	0.12	-0.07	0.0	7.88e-06	-1.00e-05
955	75	0.02	0.18	-0.06	0.0	7.09e-06	-9.29e-06
955	98	0.01	0.01	-0.06	0.0	6.16e-06	-7.50e-06
955	103	0.01	0.05	-0.06	0.0	5.94e-06	-7.34e-06
955	107	0.01	0.01	-0.06	0.0	5.82e-06	-7.07e-06
955	108	1.17	1.72	-0.05	0.0	9.29e-04	-1.39e-04
955	134	-0.72	1.17	-0.07	0.0	-5.81e-04	-1.64e-05
955	136	-0.17	1.96	-0.06	0.0	-1.44e-04	-1.07e-04
955	140	1.31	1.93	-0.05	0.0	1.05e-03	-1.56e-04
955	166	-0.81	1.32	-0.07	0.0	-6.55e-04	-1.79e-05
955	168	-0.19	2.21	-0.07	0.0	-1.62e-04	-1.21e-04
955	172	1.29	1.91	-0.05	0.0	1.03e-03	-1.56e-04
955	198	-0.80	1.32	-0.07	0.0	-6.44e-04	-1.95e-05
955	200	-0.19	2.21	-0.07	0.0	-1.56e-04	-1.24e-04
955	204	1.51	2.23	-0.04	0.0	1.20e-03	-1.82e-04
955	230	-0.93	1.54	-0.07	0.0	-7.52e-04	-2.29e-05
955	232	-0.21	2.61	-0.07	0.0	-1.77e-04	-1.47e-04
956	4	0.01	0.06	-0.04	0.0	3.12e-05	-1.30e-05
956	18	0.01	0.09	-0.03	0.0	2.82e-05	-1.22e-05
956	68	0.01	0.04	-0.03	0.0	2.17e-05	-9.05e-06
956	75	9.45e-03	0.06	-0.02	0.0	1.97e-05	-8.51e-06
956	98	7.98e-03	5.39e-03	-0.02	0.0	1.68e-05	-6.74e-06
956	103	7.75e-03	0.02	-0.02	0.0	1.63e-05	-6.66e-06
956	107	7.54e-03	5.24e-03	-0.02	0.0	1.59e-05	-6.38e-06
956	108	0.42	0.56	-0.02	0.0	1.03e-03	3.17e-05
956	134	0.04	0.38	-0.03	0.0	1.03e-04	-4.18e-05
956	136	0.24	0.64	-0.03	0.0	5.90e-04	-4.36e-05
956	140	0.47	0.63	-0.02	0.0	1.16e-03	3.64e-05
956	166	0.05	0.43	-0.03	0.0	1.13e-04	-4.63e-05
956	168	0.27	0.72	-0.03	0.0	6.62e-04	-4.84e-05
956	172	0.46	0.63	-0.02	0.0	1.15e-03	3.53e-05
956	198	0.05	0.43	-0.03	0.0	1.12e-04	-4.62e-05
956	200	0.26	0.72	-0.03	0.0	6.59e-04	-4.87e-05
956	204	0.54	0.73	-0.02	0.0	1.34e-03	4.24e-05
956	230	0.05	0.50	-0.03	0.0	1.28e-04	-5.33e-05
956	232	0.31	0.85	-0.03	0.0	7.74e-04	-5.68e-05
957	1	0.0	0.0	0.0	0.0	1.73e-05	-1.12e-06
957	65	0.0	0.0	0.0	0.0	1.25e-05	0.0
957	97	0.0	0.0	0.0	0.0	1.12e-05	0.0
957	106	0.0	0.0	0.0	0.0	1.12e-05	0.0
957	108	0.0	0.0	0.0	0.0	1.04e-03	2.93e-06
957	140	0.0	0.0	0.0	0.0	1.17e-03	3.42e-06
957	172	0.0	0.0	0.0	0.0	1.15e-03	3.32e-06
957	204	0.0	0.0	0.0	0.0	1.35e-03	4.06e-06
958	4	0.03	0.12	-0.07	0.0	2.43e-05	-2.02e-05
958	18	0.02	0.18	-0.07	0.0	2.17e-05	-1.86e-05
958	68	0.02	0.08	-0.05	0.0	1.68e-05	-1.40e-05
958	75	0.02	0.12	-0.05	0.0	1.51e-05	-1.30e-05
958	98	0.01	0.01	-0.04	0.0	1.32e-05	-1.06e-05
958	103	0.01	0.03	-0.04	0.0	1.27e-05	-1.04e-05
958	107	0.01	0.01	-0.04	0.0	1.25e-05	-1.00e-05
958	108	0.83	1.13	-0.03	0.0	1.02e-03	9.23e-05
958	134	0.08	0.77	-0.06	0.0	-6.18e-04	-7.66e-05
958	136	0.47	1.29	-0.05	0.0	-1.34e-04	-7.96e-05
958	140	0.93	1.28	-0.03	0.0	1.15e-03	1.05e-04
958	166	0.09	0.87	-0.06	0.0	-6.97e-04	-8.51e-05
958	168	0.53	1.46	-0.05	0.0	-1.52e-04	-8.86e-05
958	172	0.92	1.26	-0.03	0.0	1.14e-03	1.04e-04
958	198	0.09	0.87	-0.06	0.0	-6.89e-04	-8.55e-05
958	200	0.53	1.46	-0.05	0.0	-1.46e-04	-9.00e-05
958	204	1.08	1.48	-0.03	0.0	1.33e-03	1.23e-04
958	230	0.10	1.01	-0.06	0.0	-8.07e-04	-9.94e-05
958	232	0.62	1.72	-0.06	0.0	-1.66e-04	-1.06e-04
959	4	0.04	0.17	-0.11	0.0	1.49e-05	-2.35e-05
959	18	0.03	0.27	-0.10	0.0	1.30e-05	-2.13e-05
959	68	0.02	0.12	-0.08	0.0	1.03e-05	-1.63e-05
959	75	0.02	0.18	-0.07	0.0	9.11e-06	-1.48e-05
959	98	0.02	0.01	-0.06	0.0	8.26e-06	-1.26e-05
959	103	0.02	0.05	-0.06	0.0	7.88e-06	-1.22e-05
959	107	0.02	0.01	-0.06	0.0	7.80e-06	-1.19e-05
959	108	1.24	1.71	-0.05	0.0	1.00e-03	-1.42e-04

959	134	0.12	1.17	-0.09	0.0	-6.17e-04	-2.21e-05
959	136	0.71	1.96	-0.08	0.0	-1.42e-04	-1.13e-04
959	140	1.39	1.93	-0.05	0.0	1.13e-03	-1.59e-04
959	166	0.14	1.32	-0.09	0.0	-6.95e-04	-2.37e-05
959	168	0.80	2.21	-0.08	0.0	-1.60e-04	-1.26e-04
959	172	1.38	1.91	-0.05	0.0	1.11e-03	-1.58e-04
959	198	0.14	1.32	-0.09	0.0	-6.87e-04	-2.55e-05
959	200	0.79	2.21	-0.08	0.0	-1.53e-04	-1.29e-04
959	204	1.61	2.23	-0.05	0.0	1.30e-03	-1.83e-04
959	230	0.15	1.54	-0.10	0.0	-8.03e-04	-2.92e-05
959	232	0.93	2.61	-0.09	0.0	-1.73e-04	-1.53e-04
960	4	0.03	0.06	-0.06	0.0	4.49e-05	-1.84e-05
960	18	0.02	0.09	-0.06	0.0	4.08e-05	-1.74e-05
960	68	0.02	0.04	-0.04	0.0	3.12e-05	-1.28e-05
960	75	0.02	0.06	-0.04	0.0	2.84e-05	-1.21e-05
960	98	0.01	5.28e-03	-0.03	0.0	2.41e-05	-9.46e-06
960	103	0.01	0.02	-0.03	0.0	2.33e-05	-9.38e-06
960	107	0.01	5.14e-03	-0.03	0.0	2.27e-05	-8.95e-06
960	108	0.43	0.56	-4.51e-03	0.0	1.08e-03	2.83e-05
960	134	0.04	0.38	-0.10	0.0	1.00e-04	-4.74e-05
960	136	0.24	0.64	-0.08	0.0	6.12e-04	-1.98e-05
960	140	0.49	0.63	-1.47e-03	0.0	1.22e-03	3.28e-05
960	166	0.04	0.43	-0.11	0.0	1.10e-04	-5.23e-05
960	168	0.27	0.72	-0.09	0.0	6.87e-04	-2.12e-05
960	172	0.48	0.63	-3.88e-03	0.0	1.21e-03	3.13e-05
960	198	0.04	0.43	-0.11	0.0	1.09e-04	-5.19e-05
960	200	0.27	0.72	-0.09	0.0	6.87e-04	-2.14e-05
960	204	0.56	0.73	-9.06e-04	0.0	1.41e-03	3.79e-05
960	230	0.05	0.50	-0.12	0.0	1.23e-04	-5.94e-05
960	232	0.32	0.85	-0.10	0.0	8.08e-04	-2.34e-05
961	1	0.0	0.0	0.0	0.0	2.66e-05	-1.24e-06
961	65	0.0	0.0	0.0	0.0	1.91e-05	0.0
961	97	0.0	0.0	0.0	0.0	1.68e-05	0.0
961	106	0.0	0.0	0.0	0.0	1.68e-05	0.0
961	108	0.0	0.0	0.0	0.0	1.08e-03	2.67e-06
961	140	0.0	0.0	0.0	0.0	1.21e-03	3.14e-06
961	172	0.0	0.0	0.0	0.0	1.20e-03	3.01e-06
961	204	0.0	0.0	0.0	0.0	1.41e-03	3.70e-06
962	4	0.04	0.12	-0.11	0.0	3.16e-05	-2.53e-05
962	18	0.04	0.18	-0.10	0.0	2.81e-05	-2.34e-05
962	68	0.03	0.08	-0.07	0.0	2.20e-05	-1.75e-05
962	75	0.03	0.12	-0.07	0.0	1.96e-05	-1.63e-05
962	98	0.02	0.01	-0.05	0.0	1.73e-05	-1.33e-05
962	103	0.02	0.03	-0.06	0.0	1.66e-05	-1.30e-05
962	107	0.02	0.01	-0.05	0.0	1.64e-05	-1.26e-05
962	108	0.87	1.13	-8.56e-03	0.0	1.09e-03	6.65e-05
962	134	0.08	0.77	-0.18	0.0	1.04e-04	-8.00e-05
962	136	0.49	1.29	-0.15	0.0	6.21e-04	-8.35e-05
962	140	0.98	1.28	-3.13e-03	0.0	1.22e-03	7.63e-05
962	166	0.09	0.87	-0.20	0.0	1.15e-04	-8.86e-05
962	168	0.55	1.46	-0.16	0.0	6.97e-04	-9.26e-05
962	172	0.97	1.26	-7.43e-03	0.0	1.21e-03	7.44e-05
962	198	0.09	0.87	-0.20	0.0	1.14e-04	-8.86e-05
962	200	0.55	1.46	-0.16	0.0	6.97e-04	-9.36e-05
962	204	1.13	1.48	-2.13e-03	0.0	1.41e-03	8.92e-05
962	230	0.10	1.01	-0.22	0.0	1.30e-04	-1.03e-04
962	232	0.65	1.72	-0.18	0.0	8.20e-04	-1.09e-04
963	4	0.05	0.17	-0.15	0.0	1.74e-05	-2.82e-05
963	18	0.05	0.27	-0.14	0.0	1.48e-05	-2.55e-05
963	68	0.04	0.12	-0.10	0.0	1.21e-05	-1.96e-05
963	75	0.03	0.18	-0.10	0.0	1.03e-05	-1.78e-05
963	98	0.03	0.01	-0.08	0.0	9.93e-06	-1.51e-05
963	103	0.03	0.05	-0.08	0.0	9.34e-06	-1.47e-05
963	107	0.03	0.01	-0.07	0.0	9.37e-06	-1.43e-05
963	108	1.31	1.71	-0.02	0.0	1.08e-03	-1.42e-04
963	134	0.12	1.17	-0.25	0.0	-6.62e-04	-2.54e-05
963	136	0.74	1.96	-0.20	0.0	-1.44e-04	-1.15e-04
963	140	1.47	1.93	-8.10e-03	0.0	1.22e-03	-1.58e-04
963	166	0.14	1.32	-0.27	0.0	-7.47e-04	-2.71e-05
963	168	0.83	2.21	-0.22	0.0	-1.63e-04	-1.29e-04
963	172	1.46	1.91	-0.01	0.0	1.20e-03	-1.57e-04
963	198	0.13	1.32	-0.27	0.0	-7.39e-04	-2.90e-05
963	200	0.83	2.21	-0.22	0.0	-1.56e-04	-1.31e-04
963	204	1.70	2.23	-6.77e-03	0.0	1.41e-03	-1.82e-04
963	230	0.15	1.54	-0.30	0.0	-8.66e-04	-3.29e-05

963	232	0.98	2.61	-0.24	0.0	-1.76e-04	-1.55e-04
964	18	0.04	0.38	-0.15	0.0	7.66e-06	2.80e-05
964	28	0.06	-0.18	-0.20	0.0	5.72e-06	4.04e-05
964	75	0.03	0.25	-0.11	0.0	5.30e-06	2.00e-05
964	80	0.04	-0.12	-0.14	0.0	4.01e-06	2.82e-05
964	98	0.03	0.02	-0.11	0.0	3.63e-06	2.19e-05
964	103	0.03	0.07	-0.11	0.0	3.73e-06	2.02e-05
964	107	0.03	0.02	-0.11	0.0	3.44e-06	2.08e-05
964	113	1.38	1.17	-0.07	0.0	8.60e-04	-1.46e-04
964	135	0.25	-2.67	-0.24	0.0	1.27e-04	1.62e-04
964	136	-0.29	2.72	0.02	0.0	-1.81e-04	-1.19e-04
964	145	1.55	1.31	-0.06	0.0	9.68e-04	-1.67e-04
964	167	0.28	-3.00	-0.25	0.0	1.42e-04	1.81e-04
964	168	-0.33	3.06	0.04	0.0	-2.04e-04	-1.37e-04
964	177	1.50	1.31	-0.06	0.0	9.34e-04	-1.62e-04
964	200	-0.33	3.07	0.04	0.0	-2.03e-04	-1.38e-04
964	203	0.38	-3.03	-0.25	0.0	2.10e-04	1.79e-04
964	209	1.72	1.53	-0.05	0.0	1.08e-03	-1.91e-04
964	232	-0.38	3.62	0.06	0.0	-2.34e-04	-1.68e-04
964	235	0.44	-3.58	-0.28	0.0	2.41e-04	2.09e-04
965	18	0.04	0.48	-0.19	0.0	-5.28e-06	2.83e-05
965	28	0.05	-0.24	-0.26	0.0	-1.26e-05	3.82e-05
965	75	0.03	0.32	-0.14	0.0	-3.92e-06	2.01e-05
965	80	0.04	-0.16	-0.19	0.0	-8.83e-06	2.67e-05
965	98	0.03	0.02	-0.15	0.0	-6.40e-06	2.10e-05
965	103	0.03	0.08	-0.14	0.0	-5.56e-06	1.96e-05
965	107	0.03	0.02	-0.14	0.0	-6.11e-06	2.00e-05
965	113	1.76	1.49	-0.09	0.0	7.96e-04	2.84e-04
965	135	0.30	-3.42	-0.31	0.0	1.01e-04	6.51e-05
965	136	-0.37	3.48	0.02	0.0	-1.70e-04	-1.61e-04
965	145	1.98	1.68	-0.08	0.0	8.96e-04	3.17e-04
965	167	0.34	-3.86	-0.33	0.0	1.14e-04	7.09e-05
965	168	-0.42	3.92	0.04	0.0	-1.91e-04	-1.84e-04
965	177	1.91	1.67	-0.08	0.0	8.65e-04	3.04e-04
965	200	-0.41	3.94	0.04	0.0	-1.89e-04	-1.79e-04
965	203	0.47	-3.90	-0.33	0.0	1.77e-04	2.19e-04
965	209	2.20	1.95	-0.07	0.0	1.00e-03	3.47e-04
965	232	-0.48	4.64	0.08	0.0	-2.16e-04	-2.13e-04
965	235	0.54	-4.60	-0.36	0.0	2.04e-04	2.53e-04
966	18	0.03	0.38	-0.13	0.0	4.70e-06	1.92e-05
966	28	0.04	-0.18	-0.17	0.0	3.41e-06	2.85e-05
966	75	0.02	0.25	-0.09	0.0	3.24e-06	1.37e-05
966	80	0.03	-0.12	-0.12	0.0	2.38e-06	1.99e-05
966	98	0.02	0.02	-0.09	0.0	2.12e-06	1.53e-05
966	103	0.02	0.06	-0.09	0.0	2.20e-06	1.41e-05
966	107	0.02	0.02	-0.09	0.0	2.00e-06	1.46e-05
966	113	1.39	1.17	-0.07	0.0	8.12e-04	-1.51e-04
966	127	-0.89	-2.39	-0.16	0.0	-5.39e-04	5.21e-06
966	136	-0.27	2.72	-0.02	0.0	-1.63e-04	-1.17e-04
966	145	1.56	1.31	-0.06	0.0	9.13e-04	-1.71e-04
966	159	-1.00	-2.70	-0.17	0.0	-6.07e-04	3.89e-06
966	168	-0.31	3.06	-0.01	0.0	-1.83e-04	-1.34e-04
966	177	1.52	1.31	-0.06	0.0	8.87e-04	-1.68e-04
966	195	-0.86	-2.67	-0.17	0.0	-5.26e-04	5.42e-06
966	200	-0.31	3.07	-0.01	0.0	-1.81e-04	-1.36e-04
966	209	1.76	1.53	-0.06	0.0	1.03e-03	-1.99e-04
966	232	-0.35	3.62	-6.47e-04	0.0	-2.07e-04	-1.65e-04
966	235	0.39	-3.58	-0.18	0.0	2.11e-04	1.94e-04
967	18	0.03	0.48	-0.17	0.0	-3.70e-06	1.98e-05
967	28	0.04	-0.24	-0.22	0.0	-8.45e-06	2.76e-05
967	75	0.02	0.32	-0.12	0.0	-2.74e-06	1.41e-05
967	80	0.02	-0.16	-0.15	0.0	-5.91e-06	1.93e-05
967	98	0.02	0.02	-0.12	0.0	-4.38e-06	1.51e-05
967	103	0.02	0.08	-0.12	0.0	-3.82e-06	1.40e-05
967	107	0.02	0.02	-0.12	0.0	-4.18e-06	1.43e-05
967	113	1.75	1.49	-0.09	0.0	7.87e-04	-1.78e-04
967	127	-1.13	-3.08	-0.21	0.0	-5.37e-04	-2.48e-06
967	136	-0.35	3.48	-0.03	0.0	-1.60e-04	-1.47e-04
967	145	1.97	1.68	-0.08	0.0	8.86e-04	-2.02e-04
967	159	-1.27	-3.46	-0.22	0.0	-6.03e-04	-4.74e-06
967	168	-0.39	3.92	-0.02	0.0	-1.80e-04	-1.67e-04
967	177	1.91	1.67	-0.08	0.0	8.60e-04	-1.97e-04
967	195	-1.10	-3.44	-0.21	0.0	-5.25e-04	-1.86e-06
967	200	-0.39	3.94	-0.02	0.0	-1.77e-04	-1.68e-04
967	209	2.21	1.95	-0.08	0.0	9.97e-04	-2.31e-04

967	232	-0.45	4.64	-5.22e-03	0.0	-2.02e-04	-2.02e-04
967	235	0.48	-4.60	-0.23	0.0	1.94e-04	2.31e-04
968	18	0.02	0.38	-0.12	0.0	3.34e-06	8.15e-06
968	28	0.02	-0.19	-0.15	0.0	2.39e-06	1.41e-05
968	75	0.01	0.25	-0.09	0.0	2.29e-06	5.90e-06
968	80	0.02	-0.12	-0.10	0.0	1.66e-06	9.87e-06
968	98	0.01	0.02	-0.08	0.0	1.46e-06	7.27e-06
968	103	0.01	0.06	-0.08	0.0	1.52e-06	6.61e-06
968	107	0.01	0.02	-0.08	0.0	1.38e-06	6.96e-06
968	113	1.43	1.17	-0.07	0.0	8.17e-04	-1.61e-04
968	127	-0.91	-2.40	-0.12	0.0	-5.34e-04	-2.36e-06
968	136	-0.26	2.72	-0.05	0.0	-1.53e-04	-1.21e-04
968	145	1.61	1.31	-0.07	0.0	9.20e-04	-1.82e-04
968	159	-1.03	-2.70	-0.12	0.0	-6.01e-04	-3.72e-06
968	168	-0.30	3.06	-0.05	0.0	-1.72e-04	-1.38e-04
968	177	1.57	1.31	-0.06	0.0	8.97e-04	-1.81e-04
968	191	-1.00	-2.64	-0.12	0.0	-5.87e-04	-4.35e-06
968	200	-0.29	3.07	-0.05	0.0	-1.69e-04	-1.41e-04
968	209	1.82	1.53	-0.06	0.0	1.04e-03	-2.13e-04
968	227	-1.05	-3.13	-0.13	0.0	-6.15e-04	-1.48e-06
968	232	-0.33	3.62	-0.04	0.0	-1.92e-04	-1.70e-04
969	4	0.02	0.30	-0.18	0.0	-3.49e-06	1.06e-05
969	18	0.02	0.48	-0.16	0.0	-2.29e-06	8.48e-06
969	28	0.02	-0.24	-0.19	0.0	-5.09e-06	1.34e-05
969	68	0.02	0.20	-0.13	0.0	-2.50e-06	7.55e-06
969	75	0.01	0.32	-0.11	0.0	-1.70e-06	6.10e-06
969	80	0.02	-0.16	-0.14	0.0	-3.57e-06	9.40e-06
969	98	0.01	0.02	-0.11	0.0	-2.70e-06	7.04e-06
969	103	0.01	0.08	-0.11	0.0	-2.36e-06	6.47e-06
969	107	0.01	0.02	-0.11	0.0	-2.58e-06	6.73e-06
969	113	1.79	1.49	-0.09	0.0	7.99e-04	-1.94e-04
969	127	-1.15	-3.08	-0.15	0.0	-5.31e-04	-5.87e-06
969	136	-0.33	3.48	-0.07	0.0	-1.53e-04	-1.49e-04
969	145	2.02	1.68	-0.09	0.0	9.00e-04	-2.20e-04
969	159	-1.30	-3.46	-0.16	0.0	-5.97e-04	-7.70e-06
969	168	-0.37	3.92	-0.06	0.0	-1.72e-04	-1.69e-04
969	177	1.97	1.67	-0.09	0.0	8.78e-04	-2.18e-04
969	191	-1.27	-3.39	-0.15	0.0	-5.82e-04	-8.60e-06
969	200	-0.37	3.94	-0.06	0.0	-1.68e-04	-1.72e-04
969	209	2.28	1.95	-0.08	0.0	1.02e-03	-2.56e-04
969	227	-1.33	-4.02	-0.16	0.0	-6.10e-04	-4.73e-06
969	232	-0.42	4.64	-0.05	0.0	-1.91e-04	-2.08e-04
970	4	0.02	0.24	-0.14	0.0	3.09e-06	-3.19e-06
970	18	0.02	0.38	-0.12	0.0	3.02e-06	-3.50e-06
970	28	0.02	-0.19	-0.14	0.0	2.44e-06	0.0
970	68	0.02	0.16	-0.10	0.0	2.13e-06	-2.12e-06
970	75	0.01	0.25	-0.08	0.0	2.08e-06	-2.32e-06
970	80	0.01	-0.12	-0.10	0.0	1.69e-06	0.0
970	98	0.01	0.02	-0.08	0.0	1.45e-06	0.0
970	103	0.01	0.06	-0.08	0.0	1.47e-06	-1.12e-06
970	107	0.01	0.02	-0.08	0.0	1.37e-06	0.0
970	108	1.49	2.37	-0.06	0.0	8.47e-04	-1.76e-04
970	111	-1.47	-2.34	-0.09	0.0	-8.45e-04	1.74e-04
970	136	-0.25	2.72	-0.07	0.0	-1.48e-04	-1.31e-04
970	140	1.68	2.67	-0.06	0.0	9.54e-04	-1.98e-04
970	143	-1.66	-2.64	-0.09	0.0	-9.51e-04	1.97e-04
970	168	-0.28	3.06	-0.07	0.0	-1.66e-04	-1.48e-04
970	172	1.65	2.65	-0.06	0.0	9.35e-04	-1.98e-04
970	175	-1.63	-2.61	-0.09	0.0	-9.32e-04	1.96e-04
970	200	-0.27	3.07	-0.07	0.0	-1.62e-04	-1.52e-04
970	204	1.92	3.09	-0.06	0.0	1.09e-03	-2.33e-04
970	207	-1.89	-3.06	-0.10	0.0	-1.09e-03	2.31e-04
970	232	-0.31	3.62	-0.06	0.0	-1.83e-04	-1.83e-04
971	4	0.02	0.30	-0.18	0.0	-3.03e-06	-2.88e-06
971	18	0.02	0.48	-0.15	0.0	-2.27e-06	-2.94e-06
971	28	0.02	-0.24	-0.18	0.0	-3.71e-06	0.0
971	68	0.02	0.20	-0.13	0.0	-2.15e-06	-1.92e-06
971	75	0.01	0.32	-0.11	0.0	-1.64e-06	-1.96e-06
971	80	0.01	-0.16	-0.13	0.0	-2.60e-06	0.0
971	98	0.01	0.02	-0.11	0.0	-2.10e-06	-1.04e-06
971	103	0.01	0.08	-0.10	0.0	-1.89e-06	-1.11e-06
971	107	0.01	0.02	-0.10	0.0	-2.00e-06	0.0
971	108	1.87	3.04	-0.08	0.0	8.25e-04	-2.16e-04
971	111	-1.84	-3.00	-0.12	0.0	-8.29e-04	2.14e-04
971	136	-0.32	3.48	-0.09	0.0	-1.48e-04	-1.60e-04

971	140	2.10	3.42	-0.08	0.0	9.29e-04	-2.43e-04
971	143	-2.08	-3.38	-0.12	0.0	-9.33e-04	2.41e-04
971	168	-0.36	3.92	-0.09	0.0	-1.66e-04	-1.81e-04
971	172	2.06	3.39	-0.08	0.0	9.10e-04	-2.43e-04
971	175	-2.04	-3.35	-0.12	0.0	-9.14e-04	2.41e-04
971	200	-0.35	3.94	-0.09	0.0	-1.62e-04	-1.86e-04
971	204	2.40	3.96	-0.07	0.0	1.06e-03	-2.85e-04
971	207	-2.37	-3.92	-0.13	0.0	-1.06e-03	2.83e-04
971	232	-0.39	4.64	-0.08	0.0	-1.83e-04	-2.23e-04
972	4	0.03	0.24	-0.14	0.0	3.40e-06	-1.54e-05
972	18	0.02	0.38	-0.12	0.0	3.07e-06	-1.39e-05
972	68	0.02	0.16	-0.10	0.0	2.35e-06	-1.07e-05
972	75	0.02	0.25	-0.09	0.0	2.13e-06	-9.64e-06
972	98	0.02	0.02	-0.08	0.0	1.79e-06	-8.14e-06
972	103	0.01	0.06	-0.08	0.0	1.74e-06	-7.88e-06
972	107	0.01	0.02	-0.08	0.0	1.69e-06	-7.67e-06
972	108	1.58	2.37	-0.06	0.0	8.91e-04	-1.95e-04
972	134	-0.98	1.63	-0.10	0.0	-5.66e-04	-1.79e-05
972	136	-0.24	2.72	-0.09	0.0	-1.45e-04	-1.45e-04
972	140	1.78	2.67	-0.06	0.0	1.00e-03	-2.18e-04
972	166	-1.10	1.83	-0.10	0.0	-6.37e-04	-1.96e-05
972	168	-0.27	3.06	-0.09	0.0	-1.63e-04	-1.63e-04
972	172	1.75	2.65	-0.06	0.0	9.87e-04	-2.18e-04
972	198	-1.08	1.83	-0.10	0.0	-6.27e-04	-2.16e-05
972	200	-0.26	3.07	-0.09	0.0	-1.57e-04	-1.67e-04
972	204	2.04	3.09	-0.06	0.0	1.15e-03	-2.55e-04
972	230	-1.27	2.14	-0.10	0.0	-7.30e-04	-2.56e-05
972	232	-0.29	3.62	-0.09	0.0	-1.78e-04	-2.00e-04
973	4	0.03	0.30	-0.18	0.0	-4.63e-06	-1.45e-05
973	18	0.02	0.48	-0.16	0.0	-4.02e-06	-1.27e-05
973	68	0.02	0.20	-0.13	0.0	-3.23e-06	-1.01e-05
973	75	0.02	0.32	-0.11	0.0	-2.83e-06	-8.88e-06
973	98	0.01	0.02	-0.11	0.0	-2.67e-06	-7.97e-06
973	103	0.01	0.08	-0.10	0.0	-2.53e-06	-7.61e-06
973	107	0.01	0.02	-0.10	0.0	-2.52e-06	-7.51e-06
973	108	1.97	3.04	-0.09	0.0	8.54e-04	-2.41e-04
973	134	-1.23	2.09	-0.12	0.0	-5.52e-04	-1.96e-05
973	136	-0.30	3.48	-0.12	0.0	-1.46e-04	-1.77e-04
973	140	2.22	3.42	-0.08	0.0	9.62e-04	-2.70e-04
973	166	-1.38	2.35	-0.13	0.0	-6.21e-04	-2.15e-05
973	168	-0.34	3.92	-0.12	0.0	-1.64e-04	-1.99e-04
973	172	2.18	3.39	-0.08	0.0	9.46e-04	-2.70e-04
973	198	-1.36	2.34	-0.13	0.0	-6.10e-04	-2.37e-05
973	200	-0.33	3.94	-0.12	0.0	-1.58e-04	-2.05e-04
973	204	2.54	3.96	-0.08	0.0	1.10e-03	-3.17e-04
973	230	-1.59	2.74	-0.13	0.0	-7.11e-04	-2.84e-05
973	232	-0.37	4.64	-0.12	0.0	-1.78e-04	-2.44e-04
974	4	0.04	0.24	-0.15	0.0	3.60e-06	-2.38e-05
974	18	0.04	0.38	-0.14	0.0	2.84e-06	-2.11e-05
974	68	0.03	0.16	-0.11	0.0	2.51e-06	-1.65e-05
974	75	0.02	0.25	-0.10	0.0	2.00e-06	-1.47e-05
974	98	0.02	0.02	-0.09	0.0	2.22e-06	-1.30e-05
974	103	0.02	0.06	-0.08	0.0	2.03e-06	-1.25e-05
974	107	0.02	0.02	-0.08	0.0	2.10e-06	-1.23e-05
974	108	1.68	2.37	-0.07	0.0	9.53e-04	-2.11e-04
974	134	-1.02	1.62	-0.13	0.0	-6.01e-04	-2.21e-05
974	136	-0.22	2.72	-0.11	0.0	-1.46e-04	-1.57e-04
974	140	1.89	2.67	-0.06	0.0	1.07e-03	-2.36e-04
974	166	-1.15	1.83	-0.13	0.0	-6.77e-04	-2.37e-05
974	168	-0.25	3.06	-0.12	0.0	-1.64e-04	-1.76e-04
974	172	1.87	2.65	-0.06	0.0	1.06e-03	-2.36e-04
974	198	-1.14	1.83	-0.13	0.0	-6.68e-04	-2.59e-05
974	200	-0.24	3.07	-0.12	0.0	-1.58e-04	-1.80e-04
974	204	2.19	3.09	-0.06	0.0	1.24e-03	-2.75e-04
974	230	-1.33	2.14	-0.14	0.0	-7.80e-04	-3.00e-05
974	232	-0.27	3.62	-0.12	0.0	-1.78e-04	-2.15e-04
975	4	0.04	0.30	-0.20	0.0	-7.41e-06	-2.20e-05
975	18	0.03	0.48	-0.18	0.0	-6.90e-06	-1.90e-05
975	68	0.03	0.20	-0.14	0.0	-5.13e-06	-1.53e-05
975	75	0.02	0.32	-0.13	0.0	-4.79e-06	-1.33e-05
975	98	0.02	0.02	-0.11	0.0	-3.83e-06	-1.24e-05
975	103	0.02	0.08	-0.11	0.0	-3.77e-06	-1.18e-05
975	107	0.02	0.02	-0.11	0.0	-3.62e-06	-1.17e-05
975	108	2.10	3.04	-0.08	0.0	8.90e-04	-2.74e-04
975	134	-1.28	2.08	-0.16	0.0	-5.74e-04	-2.40e-05

975	136	-0.29	3.48	-0.15	0.0	-1.46e-04	-1.99e-04
975	140	2.36	3.42	-0.08	0.0	1.00e-03	-3.07e-04
975	166	-1.45	2.35	-0.17	0.0	-6.45e-04	-2.59e-05
975	168	-0.33	3.92	-0.15	0.0	-1.63e-04	-2.24e-04
975	172	2.33	3.39	-0.08	0.0	9.89e-04	-3.08e-04
975	198	-1.43	2.34	-0.17	0.0	-6.37e-04	-2.83e-05
975	200	-0.31	3.94	-0.15	0.0	-1.57e-04	-2.30e-04
975	204	2.73	3.96	-0.08	0.0	1.16e-03	-3.61e-04
975	230	-1.67	2.74	-0.18	0.0	-7.42e-04	-3.30e-05
975	232	-0.35	4.64	-0.16	0.0	-1.77e-04	-2.74e-04
976	4	0.06	0.24	-0.20	0.0	2.66e-06	-2.76e-05
976	18	0.05	0.37	-0.19	0.0	1.41e-06	-2.43e-05
976	68	0.04	0.16	-0.14	0.0	1.88e-06	-1.91e-05
976	75	0.03	0.25	-0.13	0.0	1.04e-06	-1.70e-05
976	98	0.03	0.02	-0.10	0.0	2.11e-06	-1.52e-05
976	103	0.03	0.06	-0.10	0.0	1.75e-06	-1.45e-05
976	107	0.03	0.02	-0.10	0.0	1.99e-06	-1.43e-05
976	108	1.80	2.37	-0.03	0.0	8.23e-04	-2.17e-04
976	134	0.17	1.62	-0.31	0.0	-6.56e-04	-2.41e-05
976	136	1.03	2.72	-0.25	0.0	-1.54e-04	-1.62e-04
976	140	2.03	2.67	-0.02	0.0	9.27e-04	-2.43e-04
976	166	0.19	1.83	-0.34	0.0	-7.39e-04	-2.57e-05
976	168	1.16	3.06	-0.27	0.0	-1.73e-04	-1.81e-04
976	172	2.01	2.65	-0.03	0.0	9.18e-04	-2.43e-04
976	198	0.19	1.83	-0.33	0.0	-7.31e-04	-2.79e-05
976	200	1.16	3.07	-0.27	0.0	-1.66e-04	-1.86e-04
976	204	2.35	3.09	-0.02	0.0	1.07e-03	-2.83e-04
976	230	0.21	2.14	-0.37	0.0	-8.55e-04	-3.20e-05
976	232	1.36	3.62	-0.30	0.0	-1.86e-04	-2.21e-04
977	4	0.05	0.30	-0.25	0.0	-9.73e-06	-2.39e-05
977	18	0.05	0.47	-0.24	0.0	-9.46e-06	-2.04e-05
977	68	0.04	0.20	-0.18	0.0	-6.70e-06	-1.66e-05
977	75	0.03	0.32	-0.17	0.0	-6.52e-06	-1.43e-05
977	98	0.03	0.02	-0.14	0.0	-4.65e-06	-1.36e-05
977	103	0.03	0.08	-0.13	0.0	-4.70e-06	-1.28e-05
977	107	0.03	0.02	-0.13	0.0	-4.38e-06	-1.28e-05
977	108	2.27	3.04	-0.05	0.0	7.34e-04	-2.94e-04
977	134	0.22	2.08	-0.36	0.0	-5.99e-04	-2.59e-05
977	136	1.30	3.48	-0.30	0.0	-1.48e-04	-2.12e-04
977	140	2.56	3.42	-0.04	0.0	8.28e-04	-3.29e-04
977	166	0.24	2.35	-0.39	0.0	-6.74e-04	-2.80e-05
977	168	1.46	3.92	-0.32	0.0	-1.65e-04	-2.39e-04
977	172	2.53	3.39	-0.05	0.0	8.20e-04	-3.30e-04
977	198	0.24	2.34	-0.39	0.0	-6.67e-04	-3.03e-05
977	200	1.46	3.94	-0.32	0.0	-1.59e-04	-2.45e-04
977	204	2.96	3.96	-0.04	0.0	9.60e-04	-3.86e-04
977	230	0.27	2.74	-0.43	0.0	-7.78e-04	-3.52e-05
977	232	1.72	4.64	-0.36	0.0	-1.78e-04	-2.92e-04
978	18	0.04	0.58	-0.25	0.0	-1.81e-05	2.72e-05
978	28	0.04	-0.30	-0.34	0.0	-3.00e-05	3.46e-05
978	75	0.03	0.39	-0.18	0.0	-1.31e-05	1.93e-05
978	80	0.03	-0.20	-0.24	0.0	-2.10e-05	2.42e-05
978	98	0.03	0.02	-0.19	0.0	-1.60e-05	1.94e-05
978	103	0.02	0.09	-0.18	0.0	-1.45e-05	1.83e-05
978	107	0.02	0.02	-0.18	0.0	-1.53e-05	1.85e-05
978	113	2.09	1.80	-0.12	0.0	7.13e-04	-2.01e-04
978	127	-1.37	-3.74	-0.38	0.0	-5.24e-04	-1.21e-05
978	136	-0.44	4.23	0.02	0.0	-1.58e-04	-1.73e-04
978	145	2.35	2.03	-0.11	0.0	8.04e-04	-2.29e-04
978	167	0.38	-4.69	-0.40	0.0	8.67e-05	2.34e-04
978	168	-0.50	4.76	0.04	0.0	-1.76e-04	-1.97e-04
978	177	2.27	2.02	-0.11	0.0	7.77e-04	-2.19e-04
978	200	-0.49	4.78	0.04	0.0	-1.74e-04	-1.94e-04
978	203	0.54	-4.74	-0.40	0.0	1.43e-04	2.31e-04
978	209	2.62	2.36	-0.09	0.0	9.00e-04	-2.55e-04
978	232	-0.57	5.63	0.08	0.0	-1.97e-04	-2.33e-04
978	235	0.62	-5.59	-0.44	0.0	1.66e-04	2.70e-04
979	4	0.03	0.42	-0.40	0.0	-3.67e-05	2.41e-05
979	18	0.03	0.67	-0.34	0.0	-2.90e-05	2.10e-05
979	28	0.03	-0.36	-0.45	0.0	-4.41e-05	2.48e-05
979	68	0.02	0.28	-0.29	0.0	-2.59e-05	1.69e-05
979	75	0.02	0.45	-0.24	0.0	-2.08e-05	1.49e-05
979	80	0.02	-0.24	-0.32	0.0	-3.08e-05	1.74e-05
979	98	0.02	0.02	-0.25	0.0	-2.40e-05	1.42e-05
979	103	0.02	0.11	-0.24	0.0	-2.20e-05	1.35e-05

979	107	0.01	0.02	-0.24	0.0	-2.28e-05	1.36e-05
979	108	2.38	4.33	-0.05	0.0	6.55e-04	-2.41e-04
979	127	-1.59	-4.41	-0.47	0.0	-4.92e-04	-1.02e-05
979	136	-0.50	4.97	-0.01	0.0	-1.49e-04	-1.88e-04
979	140	2.67	4.88	-0.03	0.0	7.40e-04	-2.73e-04
979	159	-1.78	-4.96	-0.50	0.0	-5.50e-04	-1.35e-05
979	168	-0.57	5.61	0.01	0.0	-1.65e-04	-2.14e-04
979	172	2.58	4.83	-0.03	0.0	7.15e-04	-2.69e-04
979	200	-0.56	5.63	0.02	0.0	-1.63e-04	-2.16e-04
979	203	0.59	-5.59	-0.50	0.0	1.17e-04	2.43e-04
979	204	2.98	5.64	8.99e-03	0.0	8.30e-04	-3.15e-04
979	232	-0.65	6.63	0.06	0.0	-1.83e-04	-2.60e-04
979	235	0.68	-6.59	-0.55	0.0	1.37e-04	2.87e-04
980	18	8.79e-03	0.76	-0.49	2.20e-04	-4.43e-05	-5.42e-06
980	28	1.48e-03	-0.43	-0.65	3.65e-04	1.06e-04	-1.08e-05
980	75	5.87e-03	0.51	-0.35	1.60e-04	-2.67e-05	-3.99e-06
980	80	9.98e-04	-0.29	-0.46	2.57e-04	7.36e-05	-7.57e-06
980	98	1.51e-03	0.02	-0.37	1.96e-04	4.30e-05	-5.73e-06
980	103	2.20e-03	0.11	-0.34	1.79e-04	2.66e-05	-5.08e-06
980	107	1.38e-03	0.01	-0.35	1.88e-04	4.11e-05	-5.48e-06
980	108	2.64	4.97	-0.13	-1.41e-04	1.25e-03	-2.99e-04
980	127	-1.79	-5.09	-0.61	6.05e-04	-7.55e-04	-2.67e-05
980	136	-0.57	5.73	-0.09	-2.51e-04	-2.32e-04	-2.26e-04
980	140	2.97	5.59	-0.10	-1.82e-04	1.40e-03	-3.36e-04
980	159	-2.01	-5.72	-0.64	6.57e-04	-8.54e-04	-2.98e-05
980	168	-0.64	6.45	-0.06	-3.07e-04	-2.66e-04	-2.54e-04
980	172	2.87	5.54	-0.10	-1.79e-04	1.35e-03	-3.34e-04
980	200	-0.63	6.48	-0.05	-3.06e-04	-2.64e-04	-2.59e-04
980	203	0.64	-6.45	-0.64	6.83e-04	3.47e-04	2.48e-04
980	204	3.32	6.47	-0.06	-2.41e-04	1.56e-03	-3.90e-04
980	232	-0.73	7.63	-2.65e-03	-3.93e-04	-3.11e-04	-3.09e-04
980	235	0.73	-7.60	-0.69	7.70e-04	3.93e-04	2.98e-04
981	18	0.03	0.57	-0.22	0.0	-1.10e-05	1.76e-05
981	28	0.03	-0.30	-0.28	0.0	-1.85e-05	2.29e-05
981	75	0.02	0.38	-0.16	0.0	-7.94e-06	1.25e-05
981	80	0.02	-0.20	-0.20	0.0	-1.29e-05	1.61e-05
981	98	0.02	0.02	-0.16	0.0	-9.92e-06	1.27e-05
981	103	0.02	0.09	-0.15	0.0	-8.97e-06	1.19e-05
981	107	0.02	0.02	-0.15	0.0	-9.45e-06	1.21e-05
981	113	2.09	1.80	-0.12	0.0	7.58e-04	-2.10e-04
981	127	-1.36	-3.74	-0.26	0.0	-5.29e-04	-9.50e-06
981	136	-0.42	4.23	-0.05	0.0	-1.57e-04	-1.70e-04
981	145	2.35	2.03	-0.11	0.0	8.55e-04	-2.38e-04
981	159	-1.53	-4.21	-0.27	0.0	-5.94e-04	-1.24e-05
981	168	-0.47	4.76	-0.04	0.0	-1.76e-04	-1.93e-04
981	177	2.28	2.01	-0.11	0.0	8.30e-04	-2.32e-04
981	195	-1.33	-4.18	-0.27	0.0	-5.19e-04	-8.39e-06
981	200	-0.46	4.78	-0.04	0.0	-1.73e-04	-1.94e-04
981	209	2.64	2.36	-0.10	0.0	9.62e-04	-2.72e-04
981	232	-0.53	5.63	-0.02	0.0	-1.96e-04	-2.33e-04
981	235	0.56	-5.59	-0.29	0.0	1.77e-04	2.57e-04
982	4	0.02	0.41	-0.35	0.0	-2.05e-05	1.32e-05
982	18	0.02	0.67	-0.29	0.0	-1.60e-05	1.17e-05
982	28	0.02	-0.36	-0.37	0.0	-2.51e-05	1.35e-05
982	68	0.01	0.28	-0.24	0.0	-1.45e-05	9.26e-06
982	75	0.01	0.45	-0.21	0.0	-1.15e-05	8.24e-06
982	80	0.01	-0.24	-0.26	0.0	-1.76e-05	9.47e-06
982	98	0.01	0.02	-0.21	0.0	-1.36e-05	7.67e-06
982	103	0.01	0.10	-0.20	0.0	-1.24e-05	7.34e-06
982	107	9.69e-03	0.02	-0.20	0.0	-1.30e-05	7.31e-06
982	108	2.41	4.33	-0.10	0.0	7.38e-04	-2.50e-04
982	127	-1.59	-4.42	-0.32	0.0	-5.19e-04	-1.45e-05
982	136	-0.48	4.97	-0.08	0.0	-1.54e-04	-1.93e-04
982	140	2.71	4.87	-0.09	0.0	8.32e-04	-2.83e-04
982	159	-1.79	-4.97	-0.34	0.0	-5.82e-04	-1.75e-05
982	168	-0.54	5.61	-0.07	0.0	-1.71e-04	-2.19e-04
982	172	2.63	4.83	-0.09	0.0	8.08e-04	-2.79e-04
982	195	-1.55	-4.93	-0.34	0.0	-5.09e-04	-1.26e-05
982	200	-0.54	5.63	-0.07	0.0	-1.68e-04	-2.22e-04
982	204	3.05	5.64	-0.07	0.0	9.38e-04	-3.27e-04
982	232	-0.62	6.63	-0.05	0.0	-1.90e-04	-2.66e-04
982	235	0.64	-6.59	-0.36	0.0	1.64e-04	2.81e-04
983	18	9.57e-03	0.76	-0.43	1.33e-04	-2.27e-05	0.0
983	28	4.37e-03	-0.43	-0.54	2.34e-04	9.46e-05	-4.18e-06
983	75	6.48e-03	0.51	-0.30	9.73e-05	-1.25e-05	0.0

983	80	3.01e-03	-0.29	-0.38	1.65e-04	6.56e-05	-2.92e-06
983	98	2.96e-03	0.01	-0.31	1.24e-04	4.05e-05	-2.08e-06
983	103	3.41e-03	0.11	-0.29	1.13e-04	2.76e-05	-1.70e-06
983	107	2.77e-03	0.01	-0.29	1.19e-04	3.87e-05	-1.98e-06
983	108	2.72	4.97	-0.18	-9.93e-05	1.28e-03	-2.98e-04
983	127	-1.81	-5.09	-0.43	3.97e-04	-7.74e-04	-2.22e-05
983	136	-0.55	5.72	-0.16	-1.76e-04	-2.31e-04	-2.24e-04
983	140	3.06	5.59	-0.17	-1.27e-04	1.43e-03	-3.35e-04
983	159	-2.04	-5.72	-0.45	4.31e-04	-8.75e-04	-2.52e-05
983	168	-0.62	6.45	-0.14	-2.13e-04	-2.65e-04	-2.53e-04
983	172	2.97	5.54	-0.17	-1.24e-04	1.39e-03	-3.34e-04
983	195	-1.77	-5.68	-0.44	4.28e-04	-7.33e-04	-2.04e-05
983	200	-0.61	6.47	-0.14	-2.13e-04	-2.63e-04	-2.58e-04
983	204	3.44	6.47	-0.15	-1.66e-04	1.59e-03	-3.91e-04
983	232	-0.70	7.62	-0.12	-2.71e-04	-3.08e-04	-3.09e-04
983	235	0.70	-7.60	-0.47	5.10e-04	3.85e-04	3.05e-04
984	4	0.02	0.36	-0.24	0.0	-8.79e-06	8.84e-06
984	18	0.02	0.57	-0.20	0.0	-6.70e-06	7.38e-06
984	28	0.02	-0.30	-0.25	0.0	-1.09e-05	1.04e-05
984	68	0.01	0.24	-0.17	0.0	-6.23e-06	6.25e-06
984	75	0.01	0.38	-0.14	0.0	-4.83e-06	5.28e-06
984	80	0.01	-0.20	-0.17	0.0	-7.64e-06	7.29e-06
984	98	0.01	0.02	-0.14	0.0	-5.95e-06	5.57e-06
984	103	0.01	0.09	-0.13	0.0	-5.39e-06	5.20e-06
984	107	0.01	0.02	-0.14	0.0	-5.67e-06	5.32e-06
984	108	2.14	3.68	-0.09	0.0	7.90e-04	-2.28e-04
984	127	-1.38	-3.74	-0.19	0.0	-5.30e-04	-1.06e-05
984	136	-0.40	4.23	-0.09	0.0	-1.53e-04	-1.74e-04
984	140	2.40	4.15	-0.08	0.0	8.90e-04	-2.58e-04
984	159	-1.56	-4.21	-0.19	0.0	-5.95e-04	-1.29e-05
984	168	-0.45	4.76	-0.08	0.0	-1.72e-04	-1.97e-04
984	177	2.34	2.01	-0.11	0.0	8.65e-04	-2.54e-04
984	191	-1.52	-4.12	-0.19	0.0	-5.81e-04	-1.41e-05
984	200	-0.44	4.78	-0.08	0.0	-1.68e-04	-2.01e-04
984	209	2.72	2.36	-0.11	0.0	1.01e-03	-2.98e-04
984	227	-1.59	-4.89	-0.20	0.0	-6.09e-04	-9.58e-06
984	232	-0.50	5.63	-0.07	0.0	-1.90e-04	-2.41e-04
985	4	0.02	0.41	-0.32	0.0	-1.21e-05	5.21e-06
985	18	0.01	0.67	-0.27	0.0	-9.44e-06	4.80e-06
985	28	0.01	-0.37	-0.33	0.0	-1.45e-05	5.24e-06
985	68	0.01	0.28	-0.22	0.0	-8.53e-06	3.66e-06
985	75	0.01	0.45	-0.19	0.0	-6.77e-06	3.38e-06
985	80	9.26e-03	-0.24	-0.23	0.0	-1.01e-05	3.68e-06
985	98	7.74e-03	0.02	-0.19	0.0	-7.95e-06	2.92e-06
985	103	7.67e-03	0.10	-0.18	0.0	-7.26e-06	2.85e-06
985	107	7.32e-03	0.02	-0.18	0.0	-7.57e-06	2.79e-06
985	108	2.47	4.33	-0.13	0.0	7.82e-04	-2.62e-04
985	127	-1.61	-4.42	-0.24	0.0	-5.28e-04	-1.57e-05
985	136	-0.46	4.97	-0.13	0.0	-1.53e-04	-1.99e-04
985	140	2.78	4.87	-0.12	0.0	8.81e-04	-2.96e-04
985	159	-1.81	-4.97	-0.25	0.0	-5.93e-04	-1.84e-05
985	168	-0.52	5.60	-0.12	0.0	-1.71e-04	-2.25e-04
985	172	2.72	4.82	-0.12	0.0	8.59e-04	-2.94e-04
985	191	-1.77	-4.86	-0.25	0.0	-5.79e-04	-2.01e-05
985	200	-0.51	5.62	-0.12	0.0	-1.67e-04	-2.29e-04
985	204	3.15	5.64	-0.11	0.0	9.98e-04	-3.45e-04
985	227	-1.85	-5.76	-0.26	0.0	-6.08e-04	-1.50e-05
985	232	-0.58	6.63	-0.11	0.0	-1.89e-04	-2.75e-04
986	18	9.41e-03	0.76	-0.40	6.45e-05	1.41e-06	0.0
986	28	5.81e-03	-0.44	-0.48	1.34e-04	8.64e-05	-2.33e-06
986	75	6.41e-03	0.50	-0.28	4.80e-05	3.45e-06	0.0
986	80	4.02e-03	-0.29	-0.34	9.42e-05	6.01e-05	-1.63e-06
986	98	3.62e-03	0.01	-0.28	6.90e-05	4.00e-05	-1.12e-06
986	103	3.88e-03	0.11	-0.26	6.17e-05	3.03e-05	0.0
986	107	3.39e-03	0.01	-0.26	6.64e-05	3.81e-05	-1.07e-06
986	108	2.81	4.97	-0.20	-7.45e-05	1.29e-03	-2.98e-04
986	127	-1.84	-5.09	-0.33	2.48e-04	-7.80e-04	-2.10e-05
986	136	-0.53	5.72	-0.20	-1.35e-04	-2.25e-04	-2.24e-04
986	140	3.16	5.59	-0.20	-9.23e-05	1.45e-03	-3.36e-04
986	159	-2.07	-5.73	-0.34	2.71e-04	-8.82e-04	-2.40e-05
986	168	-0.60	6.44	-0.19	-1.60e-04	-2.59e-04	-2.53e-04
986	172	3.09	5.54	-0.20	-9.01e-05	1.40e-03	-3.34e-04
986	191	-2.02	-5.61	-0.34	2.66e-04	-8.52e-04	-2.61e-05
986	200	-0.58	6.47	-0.19	-1.60e-04	-2.55e-04	-2.58e-04
986	204	3.58	6.47	-0.19	-1.16e-04	1.61e-03	-3.91e-04

986	227	-2.12	-6.64	-0.35	3.02e-04	-8.66e-04	-2.06e-05
986	232	-0.66	7.62	-0.18	-1.99e-04	-2.99e-04	-3.09e-04
987	4	0.02	0.36	-0.23	0.0	-7.65e-06	-2.33e-06
987	18	0.02	0.57	-0.20	0.0	-6.24e-06	-2.06e-06
987	28	0.02	-0.30	-0.23	0.0	-8.36e-06	-1.42e-06
987	68	0.01	0.24	-0.16	0.0	-5.37e-06	-1.58e-06
987	75	0.01	0.38	-0.14	0.0	-4.43e-06	-1.40e-06
987	80	0.01	-0.20	-0.16	0.0	-5.85e-06	0.0
987	98	0.01	0.02	-0.14	0.0	-4.77e-06	-1.11e-06
987	103	9.83e-03	0.09	-0.13	0.0	-4.42e-06	-1.07e-06
987	107	9.57e-03	0.02	-0.13	0.0	-4.53e-06	-1.02e-06
987	108	2.22	3.68	-0.10	0.0	8.10e-04	-2.48e-04
987	111	-2.20	-3.65	-0.15	0.0	-8.19e-04	2.45e-04
987	136	-0.38	4.23	-0.12	0.0	-1.49e-04	-1.84e-04
987	140	2.50	4.15	-0.10	0.0	9.13e-04	-2.79e-04
987	143	-2.48	-4.11	-0.16	0.0	-9.22e-04	2.77e-04
987	168	-0.43	4.76	-0.11	0.0	-1.67e-04	-2.08e-04
987	172	2.45	4.10	-0.10	0.0	8.94e-04	-2.78e-04
987	175	-2.43	-4.07	-0.16	0.0	-9.03e-04	2.76e-04
987	200	-0.42	4.78	-0.11	0.0	-1.63e-04	-2.13e-04
987	204	2.85	4.80	-0.10	0.0	1.04e-03	-3.26e-04
987	207	-2.83	-4.76	-0.16	0.0	-1.05e-03	3.24e-04
987	232	-0.47	5.63	-0.11	0.0	-1.84e-04	-2.56e-04
988	4	0.01	0.41	-0.31	0.0	-1.04e-05	-1.42e-06
988	18	0.01	0.66	-0.26	0.0	-8.56e-06	0.0
988	28	0.01	-0.37	-0.31	0.0	-1.11e-05	-1.74e-06
988	68	0.01	0.27	-0.21	0.0	-7.26e-06	0.0
988	75	9.41e-03	0.44	-0.19	0.0	-6.06e-06	0.0
988	80	8.74e-03	-0.24	-0.22	0.0	-7.76e-06	-1.21e-06
988	98	7.37e-03	0.02	-0.18	0.0	-6.33e-06	-1.05e-06
988	103	7.27e-03	0.10	-0.17	0.0	-5.89e-06	0.0
988	107	6.96e-03	0.02	-0.17	0.0	-6.01e-06	0.0
988	108	2.57	4.33	-0.14	0.0	8.02e-04	-2.75e-04
988	111	-2.55	-4.30	-0.20	0.0	-8.14e-04	2.73e-04
988	136	-0.45	4.97	-0.16	0.0	-1.50e-04	-2.05e-04
988	140	2.89	4.87	-0.14	0.0	9.04e-04	-3.10e-04
988	143	-2.87	-4.84	-0.20	0.0	-9.16e-04	3.08e-04
988	168	-0.50	5.60	-0.15	0.0	-1.68e-04	-2.32e-04
988	172	2.83	4.82	-0.14	0.0	8.85e-04	-3.08e-04
988	175	-2.82	-4.79	-0.20	0.0	-8.97e-04	3.06e-04
988	200	-0.49	5.62	-0.15	0.0	-1.63e-04	-2.37e-04
988	204	3.29	5.64	-0.13	0.0	1.03e-03	-3.62e-04
988	207	-3.28	-5.61	-0.21	0.0	-1.04e-03	3.60e-04
988	232	-0.55	6.63	-0.15	0.0	-1.84e-04	-2.84e-04
989	4	9.15e-03	0.46	-0.45	1.97e-05	4.61e-05	0.0
989	18	9.13e-03	0.75	-0.39	6.09e-06	2.28e-05	0.0
989	28	6.88e-03	-0.44	-0.45	5.32e-05	8.05e-05	-1.51e-06
989	68	6.28e-03	0.31	-0.31	1.53e-05	3.33e-05	0.0
989	75	6.27e-03	0.50	-0.27	6.20e-06	1.77e-05	0.0
989	80	4.77e-03	-0.29	-0.32	3.76e-05	5.62e-05	-1.06e-06
989	98	4.13e-03	9.80e-03	-0.26	2.39e-05	4.02e-05	0.0
989	103	4.25e-03	0.11	-0.25	1.96e-05	3.33e-05	0.0
989	107	3.89e-03	9.69e-03	-0.25	2.33e-05	3.83e-05	0.0
989	108	2.91	4.97	-0.22	-7.06e-05	1.29e-03	-2.98e-04
989	111	-2.90	-4.95	-0.28	1.17e-04	-1.22e-03	2.97e-04
989	136	-0.51	5.71	-0.23	-1.26e-04	-2.16e-04	-2.24e-04
989	140	3.28	5.59	-0.21	-8.24e-05	1.45e-03	-3.36e-04
989	143	-3.27	-5.58	-0.29	1.29e-04	-1.38e-03	3.34e-04
989	168	-0.57	6.44	-0.23	-1.45e-04	-2.48e-04	-2.53e-04
989	172	3.21	5.54	-0.21	-7.96e-05	1.41e-03	-3.34e-04
989	175	-3.20	-5.52	-0.29	1.26e-04	-1.33e-03	3.33e-04
989	200	-0.56	6.47	-0.23	-1.44e-04	-2.44e-04	-2.58e-04
989	204	3.74	6.47	-0.21	-9.60e-05	1.62e-03	-3.91e-04
989	207	-3.73	-6.45	-0.29	1.43e-04	-1.55e-03	3.90e-04
989	232	-0.63	7.62	-0.23	-1.72e-04	-2.85e-04	-3.09e-04
990	4	0.02	0.35	-0.23	0.0	-1.10e-05	-1.24e-05
990	18	0.02	0.57	-0.20	0.0	-9.62e-06	-1.05e-05
990	68	0.02	0.24	-0.16	0.0	-7.69e-06	-8.61e-06
990	75	0.01	0.38	-0.14	0.0	-6.74e-06	-7.35e-06
990	98	0.01	0.02	-0.14	0.0	-6.26e-06	-7.13e-06
990	103	0.01	0.09	-0.13	0.0	-5.95e-06	-6.70e-06
990	107	0.01	0.02	-0.13	0.0	-5.92e-06	-6.73e-06
990	108	2.33	3.68	-0.11	0.0	8.24e-04	-2.69e-04
990	134	-1.46	2.53	-0.16	0.0	-5.40e-04	-2.10e-05
990	136	-0.36	4.23	-0.15	0.0	-1.47e-04	-1.98e-04

990	140	2.62	4.15	-0.11	0.0	9.29e-04	-3.03e-04
990	166	-1.65	2.85	-0.16	0.0	-6.07e-04	-2.33e-05
990	168	-0.41	4.76	-0.15	0.0	-1.64e-04	-2.23e-04
990	172	2.58	4.10	-0.11	0.0	9.13e-04	-3.03e-04
990	198	-1.62	2.85	-0.16	0.0	-5.97e-04	-2.56e-05
990	200	-0.40	4.78	-0.15	0.0	-1.59e-04	-2.29e-04
990	204	3.01	4.80	-0.11	0.0	1.07e-03	-3.55e-04
990	230	-1.89	3.33	-0.17	0.0	-6.94e-04	-3.09e-05
990	232	-0.45	5.63	-0.15	0.0	-1.78e-04	-2.74e-04
991	4	0.02	0.41	-0.31	0.0	-1.51e-05	-7.91e-06
991	18	0.02	0.66	-0.27	0.0	-1.31e-05	-6.27e-06
991	68	0.01	0.27	-0.22	0.0	-1.05e-05	-5.54e-06
991	75	0.01	0.44	-0.19	0.0	-9.19e-06	-4.44e-06
991	98	8.88e-03	0.01	-0.18	0.0	-8.52e-06	-4.95e-06
991	103	8.63e-03	0.10	-0.17	0.0	-8.10e-06	-4.54e-06
991	107	8.38e-03	0.01	-0.17	0.0	-8.06e-06	-4.69e-06
991	108	2.68	4.33	-0.15	0.0	8.02e-04	-2.86e-04
991	134	-1.69	2.98	-0.20	0.0	-5.30e-04	-2.19e-05
991	136	-0.43	4.97	-0.19	0.0	-1.46e-04	-2.13e-04
991	140	3.02	4.87	-0.15	0.0	9.04e-04	-3.22e-04
991	166	-1.91	3.35	-0.21	0.0	-5.96e-04	-2.45e-05
991	168	-0.48	5.60	-0.19	0.0	-1.63e-04	-2.40e-04
991	177	2.97	2.36	-0.14	0.0	8.91e-04	-3.21e-04
991	198	-1.88	3.35	-0.21	0.0	-5.85e-04	-2.67e-05
991	200	-0.47	5.62	-0.19	0.0	-1.58e-04	-2.46e-04
991	209	3.46	2.76	-0.13	0.0	1.04e-03	-3.76e-04
991	230	-2.19	3.92	-0.21	0.0	-6.80e-04	-3.26e-05
991	232	-0.53	6.63	-0.20	0.0	-1.78e-04	-2.94e-04
992	4	8.86e-03	0.46	-0.45	-4.74e-05	5.78e-05	1.59e-06
992	18	8.42e-03	0.75	-0.40	-5.06e-05	4.06e-05	2.22e-06
992	68	6.12e-03	0.30	-0.32	-3.20e-05	4.11e-05	1.05e-06
992	75	5.82e-03	0.50	-0.28	-3.41e-05	2.96e-05	1.47e-06
992	98	4.37e-03	8.44e-03	-0.26	-1.74e-05	4.13e-05	0.0
992	103	4.35e-03	0.11	-0.25	-1.91e-05	3.65e-05	0.0
992	107	4.12e-03	8.38e-03	-0.25	-1.60e-05	3.94e-05	0.0
992	113	3.02	2.42	-0.22	7.00e-05	1.30e-03	-2.97e-04
992	134	-1.92	3.42	-0.29	-1.46e-04	-7.79e-04	-2.03e-05
992	136	-0.49	5.71	-0.27	-1.15e-04	-2.04e-04	-2.23e-04
992	145	3.40	2.72	-0.21	8.08e-05	1.46e-03	-3.35e-04
992	166	-2.16	3.85	-0.29	-1.62e-04	-8.81e-04	-2.34e-05
992	168	-0.55	6.44	-0.28	-1.28e-04	-2.35e-04	-2.52e-04
992	177	3.35	2.70	-0.21	7.67e-05	1.42e-03	-3.33e-04
992	198	-2.13	3.85	-0.29	-1.60e-04	-8.55e-04	-2.54e-05
992	200	-0.53	6.46	-0.28	-1.28e-04	-2.30e-04	-2.57e-04
992	209	3.90	3.17	-0.21	9.05e-05	1.64e-03	-3.90e-04
992	230	-2.48	4.51	-0.30	-1.83e-04	-9.97e-04	-3.21e-05
992	232	-0.60	7.62	-0.28	-1.46e-04	-2.69e-04	-3.08e-04
993	4	0.03	0.35	-0.26	0.0	-1.75e-05	-2.06e-05
993	18	0.03	0.57	-0.23	0.0	-1.57e-05	-1.73e-05
993	68	0.02	0.24	-0.18	0.0	-1.22e-05	-1.44e-05
993	75	0.02	0.38	-0.16	0.0	-1.09e-05	-1.22e-05
993	98	0.02	0.02	-0.15	0.0	-9.55e-06	-1.21e-05
993	103	0.02	0.09	-0.14	0.0	-9.19e-06	-1.13e-05
993	107	0.02	0.02	-0.14	0.0	-9.02e-06	-1.14e-05
993	108	2.47	3.68	-0.11	0.0	8.28e-04	-2.91e-04
993	134	-1.53	2.53	-0.21	0.0	-5.45e-04	-2.57e-05
993	136	-0.35	4.22	-0.19	0.0	-1.44e-04	-2.13e-04
993	140	2.78	4.15	-0.11	0.0	9.34e-04	-3.26e-04
993	166	-1.72	2.85	-0.22	0.0	-6.12e-04	-2.79e-05
993	168	-0.40	4.76	-0.20	0.0	-1.60e-04	-2.40e-04
993	177	2.75	2.01	-0.08	0.0	9.26e-04	-3.26e-04
993	198	-1.70	2.85	-0.22	0.0	-6.04e-04	-3.03e-05
993	200	-0.38	4.78	-0.20	0.0	-1.55e-04	-2.46e-04
993	209	3.21	2.36	-0.07	0.0	1.08e-03	-3.82e-04
993	230	-1.99	3.33	-0.23	0.0	-7.03e-04	-3.55e-05
993	232	-0.43	5.63	-0.21	0.0	-1.73e-04	-2.94e-04
994	4	0.02	0.40	-0.34	0.0	-2.59e-05	-1.60e-05
994	18	0.02	0.66	-0.30	0.0	-2.28e-05	-1.31e-05
994	68	0.02	0.27	-0.24	0.0	-1.80e-05	-1.12e-05
994	75	0.01	0.44	-0.21	0.0	-1.60e-05	-9.27e-06
994	98	0.01	0.01	-0.20	0.0	-1.44e-05	-9.82e-06
994	103	0.01	0.10	-0.19	0.0	-1.37e-05	-9.10e-06
994	107	0.01	0.01	-0.19	0.0	-1.36e-05	-9.31e-06
994	113	2.81	2.11	-0.12	0.0	7.85e-04	-2.93e-04
994	134	-1.75	2.98	-0.27	0.0	-5.23e-04	-2.62e-05

994	136	-0.41	4.97	-0.25	0.0	-1.42e-04	-2.19e-04
994	145	3.17	2.37	-0.11	0.0	8.86e-04	-3.29e-04
994	166	-1.98	3.35	-0.28	0.0	-5.87e-04	-2.88e-05
994	168	-0.47	5.60	-0.25	0.0	-1.58e-04	-2.46e-04
994	177	3.13	2.36	-0.12	0.0	8.74e-04	-3.29e-04
994	198	-1.95	3.35	-0.28	0.0	-5.79e-04	-3.10e-05
994	200	-0.45	5.62	-0.25	0.0	-1.52e-04	-2.52e-04
994	209	3.66	2.76	-0.11	0.0	1.02e-03	-3.84e-04
994	230	-2.28	3.92	-0.29	0.0	-6.73e-04	-3.69e-05
994	232	-0.50	6.62	-0.27	0.0	-1.70e-04	-3.01e-04
995	4	7.52e-03	0.45	-0.50	-1.15e-04	6.97e-05	6.36e-06
995	18	6.76e-03	0.75	-0.44	-1.08e-04	5.64e-05	6.43e-06
995	68	5.21e-03	0.30	-0.35	-7.93e-05	4.92e-05	4.39e-06
995	75	4.70e-03	0.50	-0.31	-7.49e-05	4.03e-05	4.44e-06
995	98	4.01e-03	7.09e-03	-0.28	-5.78e-05	4.42e-05	2.92e-06
995	103	3.87e-03	0.11	-0.27	-5.73e-05	4.08e-05	3.02e-06
995	107	3.79e-03	7.08e-03	-0.27	-5.44e-05	4.21e-05	2.76e-06
995	113	3.14	2.42	-0.19	4.00e-05	1.31e-03	-2.96e-04
995	134	-1.97	3.42	-0.37	-1.86e-04	-7.72e-04	-1.75e-05
995	136	-0.48	5.71	-0.34	-1.53e-04	-1.90e-04	-2.21e-04
995	145	3.54	2.72	-0.18	5.17e-05	1.47e-03	-3.34e-04
995	166	-2.22	3.85	-0.38	-2.03e-04	-8.73e-04	-2.05e-05
995	168	-0.53	6.44	-0.35	-1.66e-04	-2.18e-04	-2.50e-04
995	177	3.49	2.70	-0.19	4.63e-05	1.43e-03	-3.32e-04
995	198	-2.20	3.85	-0.38	-2.00e-04	-8.50e-04	-2.25e-05
995	200	-0.51	6.46	-0.35	-1.66e-04	-2.13e-04	-2.56e-04
995	209	4.08	3.17	-0.18	6.06e-05	1.66e-03	-3.90e-04
995	230	-2.56	4.51	-0.39	-2.23e-04	-9.92e-04	-2.92e-05
995	232	-0.58	7.62	-0.36	-1.85e-04	-2.49e-04	-3.07e-04
996	4	0.05	0.35	-0.32	0.0	-2.28e-05	-2.47e-05
996	18	0.04	0.57	-0.30	0.0	-2.07e-05	-2.07e-05
996	68	0.03	0.24	-0.23	0.0	-1.58e-05	-1.73e-05
996	75	0.03	0.38	-0.21	0.0	-1.44e-05	-1.46e-05
996	98	0.03	0.02	-0.18	0.0	-1.22e-05	-1.46e-05
996	103	0.03	0.09	-0.17	0.0	-1.18e-05	-1.37e-05
996	107	0.03	0.02	-0.17	0.0	-1.15e-05	-1.38e-05
996	113	2.63	1.80	0.01	0.0	8.14e-04	-3.00e-04
996	134	-1.60	2.53	-0.41	0.0	-5.34e-04	-2.84e-05
996	136	-0.34	4.22	-0.34	0.0	-1.37e-04	-2.21e-04
996	145	2.96	2.02	0.03	0.0	9.19e-04	-3.37e-04
996	166	-1.81	2.85	-0.44	0.0	-6.00e-04	-3.07e-05
996	168	-0.38	4.76	-0.37	0.0	-1.52e-04	-2.48e-04
996	177	2.94	2.01	0.02	0.0	9.09e-04	-3.37e-04
996	198	-1.79	2.85	-0.44	0.0	-5.94e-04	-3.30e-05
996	200	-0.37	4.78	-0.37	0.0	-1.47e-04	-2.55e-04
996	209	3.43	2.36	0.05	0.0	1.07e-03	-3.94e-04
996	230	-2.10	3.33	-0.48	0.0	-6.92e-04	-3.83e-05
996	232	-0.41	5.63	-0.40	0.0	-1.63e-04	-3.03e-04
997	4	0.04	0.40	-0.43	0.0	-4.38e-05	-2.61e-05
997	18	0.03	0.66	-0.39	0.0	-3.86e-05	-2.17e-05
997	68	0.03	0.27	-0.30	0.0	-3.04e-05	-1.83e-05
997	75	0.02	0.44	-0.27	0.0	-2.70e-05	-1.53e-05
997	98	0.02	0.01	-0.24	0.0	-2.44e-05	-1.58e-05
997	103	0.02	0.10	-0.23	0.0	-2.33e-05	-1.47e-05
997	107	0.02	0.01	-0.23	0.0	-2.30e-05	-1.50e-05
997	113	2.96	2.10	-0.05	0.0	7.53e-04	-2.98e-04
997	134	-1.81	2.98	-0.47	0.0	-5.13e-04	-3.19e-05
997	136	-0.39	4.97	-0.40	0.0	-1.40e-04	-2.24e-04
997	145	3.33	2.37	-0.03	0.0	8.51e-04	-3.34e-04
997	166	-2.04	3.35	-0.50	0.0	-5.75e-04	-3.45e-05
997	168	-0.44	5.60	-0.42	0.0	-1.54e-04	-2.52e-04
997	177	3.30	2.35	-0.04	0.0	8.42e-04	-3.33e-04
997	198	-2.02	3.35	-0.49	0.0	-5.69e-04	-3.67e-05
997	200	-0.42	5.62	-0.42	0.0	-1.49e-04	-2.58e-04
997	209	3.86	2.76	-8.88e-03	0.0	9.89e-04	-3.89e-04
997	230	-2.37	3.92	-0.53	0.0	-6.61e-04	-4.26e-05
997	232	-0.48	6.62	-0.46	0.0	-1.64e-04	-3.06e-04
998	4	1.41e-03	0.45	-0.59	-1.75e-04	8.17e-05	0.0
998	28	2.12e-03	-0.45	-0.55	-1.55e-04	8.56e-05	-1.01e-06
998	47	1.71e-03	-0.75	-0.34	-9.18e-05	5.76e-05	0.0
998	68	9.70e-04	0.30	-0.41	-1.22e-04	5.75e-05	0.0
998	73	2.05e-04	0.50	-0.25	-7.38e-05	3.32e-05	0.0
998	80	1.44e-03	-0.30	-0.38	-1.08e-04	6.01e-05	0.0
998	98	9.34e-04	5.98e-03	-0.33	-9.47e-05	4.93e-05	0.0
998	102	4.28e-04	0.10	-0.22	-6.03e-05	3.25e-05	0.0

998	105	9.55e-04	-0.09	-0.31	-8.72e-05	4.73e-05	0.0
998	106	5.02e-04	6.16e-03	-0.21	-5.81e-05	3.31e-05	0.0
998	107	8.72e-04	6.01e-03	-0.31	-8.94e-05	4.70e-05	0.0
998	113	3.27	2.42	-0.14	1.11e-05	1.32e-03	-3.35e-04
998	134	-2.04	3.42	-0.54	-2.06e-04	-7.62e-04	-1.97e-05
998	136	-0.46	5.71	-0.48	-1.68e-04	-1.74e-04	-2.45e-04
998	145	3.68	2.73	-0.12	2.37e-05	1.48e-03	-3.77e-04
998	166	-2.30	3.85	-0.57	-2.21e-04	-8.63e-04	-2.26e-05
998	168	-0.52	6.44	-0.50	-1.78e-04	-2.02e-04	-2.77e-04
998	177	3.64	2.71	-0.13	1.91e-05	1.45e-03	-3.77e-04
998	198	-2.27	3.85	-0.56	-2.18e-04	-8.42e-04	-2.52e-05
998	200	-0.50	6.47	-0.50	-1.78e-04	-1.96e-04	-2.84e-04
998	209	4.27	3.18	-0.10	3.54e-05	1.67e-03	-4.42e-04
998	230	-2.66	4.50	-0.60	-2.38e-04	-9.85e-04	-3.20e-05
998	232	-0.56	7.62	-0.53	-1.93e-04	-2.29e-04	-3.41e-04
999	4	0.02	0.06	-0.03	-1.42e-04	0.0	-1.72e-06
999	18	0.02	0.09	-0.03	-2.26e-04	0.0	0.0
999	68	0.02	0.04	-0.02	-9.52e-05	0.0	-1.38e-06
999	75	0.02	0.06	-0.02	-1.52e-04	0.0	0.0
999	98	0.01	3.92e-03	-0.02	-8.72e-06	0.0	-2.85e-06
999	103	0.01	0.02	-0.02	-3.70e-05	0.0	-2.16e-06
999	107	0.01	3.82e-03	-0.02	-8.49e-06	0.0	-2.76e-06
999	108	0.43	0.56	-0.02	-1.41e-03	0.0	-6.70e-06
999	134	0.04	0.40	-0.02	-1.01e-03	0.0	4.24e-05
999	136	0.24	0.66	-0.02	-1.65e-03	0.0	3.31e-05
999	140	0.49	0.63	-0.02	-1.58e-03	0.0	-7.23e-06
999	166	0.04	0.45	-0.02	-1.14e-03	0.0	4.80e-05
999	168	0.27	0.74	-0.02	-1.86e-03	0.0	3.75e-05
999	172	0.48	0.63	-0.02	-1.57e-03	0.0	-7.47e-06
999	198	0.04	0.45	-0.02	-1.13e-03	0.0	4.69e-05
999	200	0.27	0.74	-0.02	-1.86e-03	0.0	3.62e-05
999	204	0.56	0.73	-0.02	-1.83e-03	0.0	-8.45e-06
999	230	0.05	0.53	-0.02	-1.33e-03	0.0	5.50e-05
999	232	0.32	0.87	-0.02	-2.19e-03	0.0	4.21e-05
1000	1	0.0	0.0	0.0	-1.38e-04	0.0	0.0
1000	65	0.0	0.0	0.0	-9.27e-05	0.0	0.0
1000	97	0.0	0.0	0.0	-7.53e-06	0.0	0.0
1000	106	0.0	0.0	0.0	-7.53e-06	0.0	0.0
1000	108	0.0	0.0	0.0	-1.41e-03	0.0	-1.19e-06
1000	140	0.0	0.0	0.0	-1.58e-03	0.0	-1.26e-06
1000	172	0.0	0.0	0.0	-1.57e-03	0.0	-1.28e-06
1000	204	0.0	0.0	0.0	-1.83e-03	0.0	-1.41e-06
1001	4	0.04	0.11	-0.05	-1.41e-04	0.0	-4.50e-06
1001	18	0.04	0.18	-0.05	-2.26e-04	0.0	0.0
1001	68	0.03	0.08	-0.04	-9.44e-05	0.0	-3.44e-06
1001	75	0.03	0.12	-0.04	-1.51e-04	0.0	-1.08e-06
1001	98	0.02	7.45e-03	-0.03	-7.47e-06	0.0	-5.52e-06
1001	103	0.02	0.03	-0.03	-3.60e-05	0.0	-4.43e-06
1001	107	0.02	7.26e-03	-0.03	-7.29e-06	0.0	-5.35e-06
1001	108	0.87	1.12	-0.02	-1.41e-03	0.0	-2.23e-05
1001	134	0.08	0.81	-0.04	-1.01e-03	0.0	7.61e-05
1001	136	0.49	1.32	-0.04	-1.66e-03	0.0	5.32e-05
1001	140	0.98	1.27	-0.02	-1.59e-03	0.0	-2.45e-05
1001	166	0.09	0.91	-0.04	-1.14e-03	0.0	8.62e-05
1001	168	0.55	1.48	-0.04	-1.86e-03	0.0	6.03e-05
1001	172	0.97	1.25	-0.02	-1.57e-03	0.0	-2.49e-05
1001	198	0.09	0.91	-0.04	-1.14e-03	0.0	8.41e-05
1001	200	0.55	1.49	-0.04	-1.87e-03	0.0	5.76e-05
1001	204	1.13	1.46	-0.02	-1.84e-03	0.0	-2.85e-05
1001	230	0.10	1.06	-0.04	-1.33e-03	0.0	9.86e-05
1001	232	0.65	1.75	-0.04	-2.20e-03	0.0	6.70e-05
1002	4	0.05	0.17	-0.07	-1.39e-04	0.0	-6.89e-06
1002	18	0.05	0.27	-0.06	-2.25e-04	0.0	-2.53e-06
1002	68	0.04	0.11	-0.05	-9.29e-05	0.0	-5.21e-06
1002	75	0.03	0.18	-0.04	-1.50e-04	0.0	-2.30e-06
1002	98	0.03	0.01	-0.04	-5.51e-06	0.0	-7.57e-06
1002	103	0.03	0.04	-0.04	-3.43e-05	0.0	-6.23e-06
1002	107	0.03	0.01	-0.04	-5.39e-06	0.0	-7.34e-06
1002	108	1.31	1.69	-0.03	-1.42e-03	0.0	-4.67e-05
1002	134	0.12	1.21	-0.05	-1.02e-03	0.0	1.00e-04
1002	136	0.74	1.98	-0.05	-1.66e-03	0.0	6.00e-05
1002	140	1.47	1.90	-0.03	-1.60e-03	0.0	-5.17e-05
1002	166	0.14	1.37	-0.06	-1.15e-03	0.0	1.14e-04
1002	168	0.83	2.23	-0.05	-1.87e-03	0.0	6.80e-05
1002	172	1.46	1.88	-0.03	-1.58e-03	0.0	-5.20e-05

1002	198	0.13	1.36	-0.06	-1.14e-03	0.0	1.11e-04
1002	200	0.83	2.24	-0.05	-1.88e-03	0.0	6.43e-05
1002	204	1.70	2.20	-0.03	-1.85e-03	0.0	-6.00e-05
1002	230	0.15	1.59	-0.06	-1.34e-03	0.0	1.30e-04
1002	232	0.98	2.64	-0.05	-2.21e-03	0.0	7.45e-05
1003	4	0.02	0.06	-6.49e-03	-1.39e-04	0.0	-2.19e-06
1003	18	0.02	0.09	-6.16e-03	-2.25e-04	0.0	0.0
1003	68	0.02	0.04	-4.64e-03	-9.32e-05	0.0	-1.68e-06
1003	75	0.02	0.06	-4.42e-03	-1.51e-04	0.0	0.0
1003	98	0.01	2.52e-03	-3.83e-03	-5.70e-06	0.0	-2.73e-06
1003	103	0.01	0.01	-3.78e-03	-3.45e-05	0.0	-2.19e-06
1003	107	0.01	2.45e-03	-3.69e-03	-5.56e-06	0.0	-2.65e-06
1003	108	0.43	0.56	-2.95e-03	-1.39e-03	0.0	-1.15e-05
1003	134	0.04	0.42	-5.85e-03	-1.05e-03	0.0	3.65e-05
1003	136	0.24	0.67	-5.27e-03	-1.67e-03	0.0	2.51e-05
1003	140	0.49	0.63	-2.86e-03	-1.56e-03	0.0	-1.26e-05
1003	166	0.04	0.47	-6.12e-03	-1.18e-03	0.0	4.13e-05
1003	168	0.27	0.75	-5.47e-03	-1.88e-03	0.0	2.84e-05
1003	172	0.48	0.62	-2.94e-03	-1.55e-03	0.0	-1.28e-05
1003	198	0.04	0.47	-6.07e-03	-1.17e-03	0.0	4.03e-05
1003	200	0.27	0.76	-5.47e-03	-1.89e-03	0.0	2.71e-05
1003	204	0.56	0.72	-2.85e-03	-1.81e-03	0.0	-1.47e-05
1003	230	0.05	0.55	-6.45e-03	-1.37e-03	0.0	4.73e-05
1003	232	0.32	0.89	-5.77e-03	-2.22e-03	0.0	3.15e-05
1004	1	0.0	0.0	0.0	-1.37e-04	0.0	0.0
1004	65	0.0	0.0	0.0	-9.18e-05	0.0	0.0
1004	97	0.0	0.0	0.0	-4.96e-06	0.0	0.0
1004	106	0.0	0.0	0.0	-4.96e-06	0.0	0.0
1004	108	0.0	0.0	0.0	-1.39e-03	0.0	-1.48e-06
1004	140	0.0	0.0	0.0	-1.56e-03	0.0	-1.61e-06
1004	172	0.0	0.0	0.0	-1.55e-03	0.0	-1.62e-06
1004	204	0.0	0.0	0.0	-1.81e-03	0.0	-1.83e-06
1005	4	0.04	0.11	-0.01	-1.38e-04	0.0	-4.43e-06
1005	18	0.04	0.18	-0.01	-2.25e-04	0.0	-1.38e-06
1005	68	0.03	0.07	-7.98e-03	-9.26e-05	0.0	-3.37e-06
1005	75	0.03	0.12	-7.58e-03	-1.50e-04	0.0	-1.33e-06
1005	98	0.02	4.80e-03	-6.60e-03	-4.93e-06	0.0	-5.09e-06
1005	103	0.02	0.03	-6.52e-03	-3.39e-05	0.0	-4.16e-06
1005	107	0.02	4.68e-03	-6.37e-03	-4.82e-06	0.0	-4.94e-06
1005	108	0.87	1.11	-5.21e-03	-1.38e-03	0.0	-2.79e-05
1005	134	0.08	0.84	-9.89e-03	-1.04e-03	0.0	7.03e-05
1005	136	0.49	1.34	-8.95e-03	-1.66e-03	0.0	4.48e-05
1005	140	0.98	1.25	-5.07e-03	-1.56e-03	0.0	-3.08e-05
1005	166	0.09	0.94	-0.01	-1.17e-03	0.0	7.96e-05
1005	168	0.55	1.51	-9.27e-03	-1.88e-03	0.0	5.08e-05
1005	172	0.97	1.24	-5.19e-03	-1.54e-03	0.0	-3.11e-05
1005	198	0.09	0.94	-0.01	-1.17e-03	0.0	7.76e-05
1005	200	0.55	1.51	-9.28e-03	-1.88e-03	0.0	4.82e-05
1005	204	1.13	1.45	-5.05e-03	-1.80e-03	0.0	-3.58e-05
1005	230	0.10	1.10	-0.01	-1.37e-03	0.0	9.10e-05
1005	232	0.65	1.78	-9.77e-03	-2.21e-03	0.0	5.59e-05
1006	4	0.05	0.17	-0.02	-1.37e-04	0.0	-6.25e-06
1006	18	0.05	0.27	-0.01	-2.24e-04	0.0	-2.30e-06
1006	68	0.04	0.11	-0.01	-9.16e-05	0.0	-4.74e-06
1006	75	0.03	0.18	-0.01	-1.50e-04	0.0	-2.10e-06
1006	98	0.03	6.65e-03	-8.96e-03	-3.75e-06	0.0	-6.93e-06
1006	103	0.03	0.04	-8.84e-03	-3.29e-05	0.0	-5.71e-06
1006	107	0.03	6.50e-03	-8.64e-03	-3.68e-06	0.0	-6.72e-06
1006	108	1.31	1.66	-7.21e-03	-1.38e-03	0.0	-5.09e-05
1006	134	0.12	1.25	-0.01	-1.04e-03	0.0	9.60e-05
1006	136	0.74	2.00	-0.01	-1.66e-03	0.0	5.35e-05
1006	140	1.47	1.87	-7.04e-03	-1.55e-03	0.0	-5.65e-05
1006	166	0.14	1.41	-0.01	-1.17e-03	0.0	1.09e-04
1006	168	0.83	2.26	-0.01	-1.87e-03	0.0	6.07e-05
1006	172	1.46	1.85	-7.18e-03	-1.54e-03	0.0	-5.67e-05
1006	198	0.13	1.41	-0.01	-1.16e-03	0.0	1.06e-04
1006	200	0.83	2.26	-0.01	-1.87e-03	0.0	5.71e-05
1006	204	1.70	2.17	-7.01e-03	-1.80e-03	0.0	-6.56e-05
1006	230	0.15	1.65	-0.01	-1.36e-03	0.0	1.24e-04
1006	232	0.98	2.66	-0.01	-2.20e-03	0.0	6.59e-05
1007	4	0.02	0.05	-2.46e-03	-1.37e-04	0.0	-2.27e-06
1007	18	0.02	0.09	-2.40e-03	-2.24e-04	0.0	0.0
1007	68	0.02	0.04	-1.83e-03	-9.13e-05	0.0	-1.72e-06
1007	75	0.02	0.06	-1.79e-03	-1.50e-04	0.0	0.0
1007	98	0.01	1.23e-03	-1.69e-03	-2.90e-06	0.0	-2.54e-06

1007	103	0.01	0.01	-1.68e-03	-3.22e-05	0.0	-2.09e-06
1007	107	0.01	1.21e-03	-1.66e-03	-2.85e-06	0.0	-2.47e-06
1007	108	0.43	0.55	-3.73e-03	-1.37e-03	0.0	-1.45e-05
1007	136	0.24	0.68	-2.82e-03	-1.69e-03	0.0	2.05e-05
1007	140	0.48	0.62	-4.00e-03	-1.54e-03	0.0	-1.60e-05
1007	168	0.27	0.76	-2.96e-03	-1.90e-03	0.0	2.33e-05
1007	172	0.48	0.61	-3.97e-03	-1.52e-03	0.0	-1.61e-05
1007	200	0.27	0.76	-2.96e-03	-1.90e-03	0.0	2.20e-05
1007	204	0.56	0.71	-4.37e-03	-1.78e-03	0.0	-1.86e-05
1007	232	0.32	0.90	-3.20e-03	-2.24e-03	0.0	2.55e-05
1008	1	0.0	0.0	0.0	-1.36e-04	0.0	0.0
1008	65	0.0	0.0	0.0	-9.08e-05	0.0	0.0
1008	97	0.0	0.0	0.0	-2.61e-06	0.0	0.0
1008	106	0.0	0.0	0.0	-2.61e-06	0.0	0.0
1008	108	0.0	0.0	0.0	-1.37e-03	0.0	-1.73e-06
1008	140	0.0	0.0	0.0	-1.54e-03	0.0	-1.89e-06
1008	172	0.0	0.0	0.0	-1.52e-03	0.0	-1.90e-06
1008	204	0.0	0.0	0.0	-1.78e-03	0.0	-2.16e-06
1009	4	0.04	0.11	-4.31e-03	-1.36e-04	0.0	-4.25e-06
1009	18	0.04	0.18	-4.19e-03	-2.24e-04	0.0	-1.57e-06
1009	68	0.03	0.07	-3.20e-03	-9.11e-05	0.0	-3.22e-06
1009	75	0.03	0.12	-3.12e-03	-1.50e-04	0.0	-1.44e-06
1009	98	0.02	2.39e-03	-2.94e-03	-2.64e-06	0.0	-4.71e-06
1009	103	0.02	0.03	-2.93e-03	-3.20e-05	0.0	-3.88e-06
1009	107	0.02	2.35e-03	-2.90e-03	-2.60e-06	0.0	-4.57e-06
1009	108	0.87	1.09	-6.08e-03	-1.36e-03	0.0	-3.22e-05
1009	136	0.49	1.35	-4.61e-03	-1.67e-03	0.0	3.84e-05
1009	140	0.98	1.23	-6.48e-03	-1.53e-03	0.0	-3.57e-05
1009	168	0.55	1.52	-4.83e-03	-1.89e-03	0.0	4.35e-05
1009	172	0.97	1.22	-6.45e-03	-1.51e-03	0.0	-3.58e-05
1009	200	0.55	1.53	-4.83e-03	-1.89e-03	0.0	4.09e-05
1009	204	1.13	1.42	-7.06e-03	-1.77e-03	0.0	-4.14e-05
1009	232	0.65	1.79	-5.19e-03	-2.22e-03	0.0	4.73e-05
1010	4	0.05	0.16	-5.86e-03	-1.36e-04	0.0	-5.67e-06
1010	18	0.05	0.27	-5.70e-03	-2.24e-04	0.0	-2.07e-06
1010	68	0.03	0.11	-4.35e-03	-9.07e-05	0.0	-4.31e-06
1010	75	0.03	0.18	-4.24e-03	-1.49e-04	0.0	-1.91e-06
1010	98	0.03	3.40e-03	-3.99e-03	-2.26e-06	0.0	-6.34e-06
1010	103	0.03	0.04	-3.97e-03	-3.17e-05	0.0	-5.23e-06
1010	107	0.03	3.34e-03	-3.93e-03	-2.23e-06	0.0	-6.15e-06
1010	108	1.31	1.64	-7.69e-03	-1.34e-03	0.0	-5.44e-05
1010	136	0.74	2.02	-5.89e-03	-1.65e-03	0.0	4.83e-05
1010	140	1.47	1.84	-8.16e-03	-1.51e-03	0.0	-6.05e-05
1010	168	0.83	2.28	-6.14e-03	-1.86e-03	0.0	5.47e-05
1010	172	1.46	1.82	-8.13e-03	-1.50e-03	0.0	-6.06e-05
1010	200	0.83	2.28	-6.15e-03	-1.87e-03	0.0	5.11e-05
1010	204	1.70	2.13	-8.85e-03	-1.75e-03	0.0	-7.03e-05
1010	232	0.98	2.68	-6.57e-03	-2.20e-03	0.0	5.88e-05
1011	4	0.02	0.05	-2.10e-03	-1.34e-04	0.0	-2.24e-06
1011	47	0.01	-0.09	-1.54e-03	2.28e-04	0.0	-5.57e-06
1011	68	0.02	0.04	-1.60e-03	-8.96e-05	0.0	-1.70e-06
1011	87	0.01	-0.06	-1.53e-03	1.52e-04	0.0	-4.41e-06
1011	98	0.01	4.46e-05	-1.55e-03	0.0	0.0	-2.43e-06
1011	105	0.01	-0.01	-1.54e-03	3.00e-05	0.0	-2.75e-06
1011	106	7.63e-03	1.30e-04	-1.49e-03	0.0	0.0	-1.93e-06
1011	107	0.01	5.68e-05	-1.54e-03	0.0	0.0	-2.36e-06
1011	108	0.43	0.54	5.15e-04	-1.34e-03	0.0	-1.58e-05
1011	111	-0.41	-0.54	-3.60e-03	1.34e-03	0.0	1.11e-05
1011	136	0.24	0.69	-4.52e-04	-1.70e-03	0.0	1.86e-05
1011	140	0.48	0.61	7.75e-04	-1.51e-03	0.0	-1.75e-05
1011	143	-0.46	-0.61	-3.86e-03	1.51e-03	0.0	1.28e-05
1011	168	0.27	0.77	-3.12e-04	-1.92e-03	0.0	2.11e-05
1011	172	0.48	0.60	7.59e-04	-1.49e-03	0.0	-1.76e-05
1011	175	-0.46	-0.60	-3.84e-03	1.49e-03	0.0	1.29e-05
1011	200	0.27	0.77	-3.05e-04	-1.92e-03	0.0	1.98e-05
1011	204	0.56	0.70	1.16e-03	-1.74e-03	0.0	-2.03e-05
1011	207	-0.54	-0.70	-4.24e-03	1.74e-03	0.0	1.56e-05
1011	232	0.32	0.91	-7.46e-05	-2.25e-03	0.0	2.29e-05
1012	1	0.0	0.0	0.0	-1.34e-04	0.0	0.0
1012	65	0.0	0.0	0.0	-8.97e-05	0.0	0.0
1012	97	0.0	0.0	0.0	0.0	0.0	0.0
1012	106	0.0	0.0	0.0	0.0	0.0	0.0
1012	108	0.0	0.0	0.0	-1.35e-03	0.0	-1.83e-06
1012	140	0.0	0.0	0.0	-1.51e-03	0.0	-2.00e-06
1012	172	0.0	0.0	0.0	-1.50e-03	0.0	-2.01e-06

1012	204	0.0	0.0	0.0	-1.75e-03	0.0	-2.29e-06
1013	4	0.04	0.11	-3.53e-03	-1.34e-04	0.0	-4.09e-06
1013	47	0.02	-0.18	-2.65e-03	2.27e-04	0.0	-1.03e-05
1013	68	0.03	0.07	-2.69e-03	-8.97e-05	0.0	-3.10e-06
1013	87	0.02	-0.12	-2.63e-03	1.51e-04	0.0	-8.17e-06
1013	98	0.02	1.61e-04	-2.64e-03	0.0	0.0	-4.48e-06
1013	105	0.02	-0.02	-2.63e-03	2.97e-05	0.0	-5.08e-06
1013	106	0.01	3.15e-04	-2.57e-03	0.0	0.0	-3.56e-06
1013	107	0.02	1.83e-04	-2.63e-03	0.0	0.0	-4.35e-06
1013	108	0.87	1.08	-2.34e-03	-1.33e-03	0.0	-3.43e-05
1013	115	-0.82	-1.12	-2.94e-03	1.38e-03	0.0	2.48e-05
1013	136	0.49	1.36	-2.42e-03	-1.68e-03	0.0	3.52e-05
1013	140	0.97	1.21	-2.30e-03	-1.50e-03	0.0	-3.81e-05
1013	147	-0.93	-1.26	-2.98e-03	1.55e-03	0.0	2.86e-05
1013	168	0.55	1.54	-2.39e-03	-1.89e-03	0.0	3.99e-05
1013	172	0.97	1.20	-2.34e-03	-1.48e-03	0.0	-3.82e-05
1013	179	-0.92	-1.25	-2.94e-03	1.54e-03	0.0	2.92e-05
1013	200	0.55	1.54	-2.40e-03	-1.90e-03	0.0	3.74e-05
1013	204	1.13	1.40	-2.30e-03	-1.73e-03	0.0	-4.42e-05
1013	211	-1.08	-1.47	-2.98e-03	1.81e-03	0.0	3.54e-05
1013	232	0.65	1.81	-2.36e-03	-2.23e-03	0.0	4.31e-05
1014	4	0.05	0.16	-4.65e-03	-1.35e-04	0.0	-5.33e-06
1014	47	0.03	-0.27	-3.52e-03	2.26e-04	0.0	-1.40e-05
1014	68	0.03	0.11	-3.55e-03	-9.00e-05	0.0	-4.06e-06
1014	87	0.02	-0.18	-3.50e-03	1.50e-04	0.0	-1.11e-05
1014	98	0.03	4.15e-04	-3.51e-03	0.0	0.0	-6.00e-06
1014	102	0.02	0.04	-3.44e-03	-3.06e-05	0.0	-3.92e-06
1014	106	0.02	6.04e-04	-3.44e-03	0.0	0.0	-4.80e-06
1014	107	0.03	4.42e-04	-3.50e-03	0.0	0.0	-5.83e-06
1014	108	1.31	1.61	-7.07e-03	-1.31e-03	0.0	-5.63e-05
1014	113	1.04	0.66	-8.04e-03	-5.40e-04	0.0	-1.01e-04
1014	136	0.74	2.03	-2.79e-03	-1.65e-03	0.0	4.55e-05
1014	140	1.47	1.81	-7.52e-03	-1.47e-03	0.0	-6.27e-05
1014	145	1.16	0.74	-8.62e-03	-6.08e-04	0.0	-1.12e-04
1014	168	0.83	2.29	-2.71e-03	-1.86e-03	0.0	5.15e-05
1014	172	1.46	1.79	-7.48e-03	-1.46e-03	0.0	-6.27e-05
1014	177	1.16	0.74	-8.56e-03	-6.04e-04	0.0	-1.12e-04
1014	200	0.83	2.29	-2.74e-03	-1.86e-03	0.0	4.79e-05
1014	204	1.70	2.09	-8.15e-03	-1.70e-03	0.0	-7.28e-05
1014	209	1.35	0.87	-9.41e-03	-7.10e-04	0.0	-1.30e-04
1014	232	0.98	2.70	-2.64e-03	-2.19e-03	0.0	5.51e-05
1015	4	0.02	0.05	-4.78e-03	-1.32e-04	0.0	-2.22e-06
1015	44	0.02	-0.09	-4.24e-03	2.33e-04	0.0	-6.32e-06
1015	68	0.02	0.03	-3.51e-03	-8.80e-05	0.0	-1.68e-06
1015	88	0.01	-0.06	-3.15e-03	1.56e-04	0.0	-4.41e-06
1015	98	0.01	-1.12e-03	-3.18e-03	1.90e-06	0.0	-2.40e-06
1015	105	0.01	-0.01	-3.09e-03	3.26e-05	0.0	-2.71e-06
1015	107	0.01	-1.07e-03	-3.11e-03	1.81e-06	0.0	-2.33e-06
1015	108	0.43	0.53	-0.07	-1.32e-03	0.0	-1.62e-05
1015	139	-0.22	-0.69	0.03	1.72e-03	0.0	-2.28e-05
1015	140	0.48	0.60	-0.08	-1.49e-03	0.0	-1.79e-05
1015	171	-0.25	-0.78	0.04	1.93e-03	0.0	-2.52e-05
1015	172	0.48	0.59	-0.08	-1.47e-03	0.0	-1.80e-05
1015	176	0.47	0.62	-0.08	-1.54e-03	0.0	-1.78e-05
1015	203	-0.25	-0.78	0.04	1.93e-03	0.0	-2.39e-05
1015	204	0.56	0.69	-0.09	-1.72e-03	0.0	-2.08e-05
1015	208	0.55	0.73	-0.09	-1.80e-03	0.0	-2.06e-05
1015	235	-0.29	-0.92	0.05	2.27e-03	0.0	-2.70e-05
1016	1	0.0	0.0	0.0	-1.33e-04	0.0	0.0
1016	65	0.0	0.0	0.0	-8.88e-05	0.0	0.0
1016	97	0.0	0.0	0.0	1.50e-06	0.0	0.0
1016	106	0.0	0.0	0.0	1.50e-06	0.0	0.0
1016	108	0.0	0.0	0.0	-1.32e-03	0.0	-1.81e-06
1016	140	0.0	0.0	0.0	-1.49e-03	0.0	-1.99e-06
1016	172	0.0	0.0	0.0	-1.47e-03	0.0	-1.99e-06
1016	204	0.0	0.0	0.0	-1.72e-03	0.0	-2.28e-06
1017	4	0.04	0.11	-7.08e-03	-1.33e-04	0.0	-4.04e-06
1017	44	0.03	-0.19	-6.68e-03	2.32e-04	0.0	-1.17e-05
1017	68	0.03	0.07	-5.27e-03	-8.86e-05	0.0	-3.06e-06
1017	88	0.02	-0.13	-5.00e-03	1.55e-04	0.0	-8.19e-06
1017	98	0.02	-2.01e-03	-4.95e-03	1.22e-06	0.0	-4.42e-06
1017	105	0.02	-0.03	-4.87e-03	3.18e-05	0.0	-5.02e-06
1017	107	0.02	-1.93e-03	-4.87e-03	1.15e-06	0.0	-4.29e-06
1017	108	0.87	1.06	-0.12	-1.30e-03	0.0	-3.48e-05
1017	113	0.69	0.41	-0.12	-5.10e-04	0.0	-6.64e-05

1017	139	-0.45	-1.38	-0.02	1.69e-03	0.0	-4.30e-05
1017	140	0.97	1.19	-0.13	-1.47e-03	0.0	-3.87e-05
1017	145	0.77	0.46	-0.13	-5.75e-04	0.0	-7.42e-05
1017	171	-0.51	-1.56	-0.02	1.90e-03	0.0	-4.76e-05
1017	172	0.97	1.18	-0.13	-1.45e-03	0.0	-3.88e-05
1017	177	0.77	0.46	-0.13	-5.71e-04	0.0	-7.36e-05
1017	203	-0.51	-1.55	-0.02	1.90e-03	0.0	-4.50e-05
1017	204	1.13	1.38	-0.15	-1.70e-03	0.0	-4.49e-05
1017	209	0.90	0.54	-0.15	-6.72e-04	0.0	-8.55e-05
1017	235	-0.61	-1.83	-0.02	2.24e-03	0.0	-5.06e-05
1018	4	0.05	0.16	-8.19e-03	-1.34e-04	0.0	-5.25e-06
1018	28	0.04	-0.17	-8.36e-03	1.38e-04	0.0	-1.37e-05
1018	44	0.04	-0.28	-8.20e-03	2.29e-04	0.0	-1.59e-05
1018	68	0.03	0.11	-6.20e-03	-8.95e-05	0.0	-4.00e-06
1018	80	0.03	-0.11	-6.31e-03	9.18e-05	0.0	-9.61e-06
1018	88	0.03	-0.19	-6.20e-03	1.53e-04	0.0	-1.11e-05
1018	98	0.03	-2.50e-03	-6.06e-03	0.0	0.0	-5.92e-06
1018	105	0.02	-0.04	-6.03e-03	3.07e-05	0.0	-6.76e-06
1018	107	0.03	-2.39e-03	-6.01e-03	0.0	0.0	-5.76e-06
1018	108	1.31	1.58	-0.12	-1.28e-03	0.0	-5.68e-05
1018	113	1.04	0.61	-0.15	-5.02e-04	0.0	-1.01e-04
1018	139	-0.69	-2.05	-0.03	1.65e-03	0.0	-5.62e-05
1018	140	1.47	1.77	-0.13	-1.44e-03	0.0	-6.33e-05
1018	145	1.17	0.69	-0.16	-5.66e-04	0.0	-1.13e-04
1018	171	-0.78	-2.31	-0.03	1.86e-03	0.0	-6.22e-05
1018	172	1.46	1.75	-0.13	-1.42e-03	0.0	-6.34e-05
1018	177	1.16	0.69	-0.16	-5.62e-04	0.0	-1.12e-04
1018	203	-0.78	-2.31	-0.03	1.86e-03	0.0	-5.85e-05
1018	204	1.70	2.05	-0.15	-1.66e-03	0.0	-7.35e-05
1018	209	1.35	0.81	-0.19	-6.61e-04	0.0	-1.30e-04
1018	235	-0.93	-2.72	-0.03	2.19e-03	0.0	-6.55e-05
1019	4	0.05	0.23	-0.08	-1.35e-04	0.0	-8.50e-06
1019	18	0.05	0.37	-0.07	-2.23e-04	0.0	-3.68e-06
1019	68	0.04	0.16	-0.06	-9.04e-05	0.0	-6.40e-06
1019	75	0.03	0.25	-0.05	-1.49e-04	0.0	-3.19e-06
1019	98	0.03	0.01	-0.04	-2.62e-06	0.0	-8.93e-06
1019	103	0.03	0.06	-0.04	-3.18e-05	0.0	-7.46e-06
1019	107	0.03	0.01	-0.04	-2.61e-06	0.0	-8.66e-06
1019	108	1.80	2.33	-0.03	-1.42e-03	0.0	-8.37e-05
1019	134	0.17	1.67	-0.07	-1.02e-03	0.0	1.20e-04
1019	136	1.03	2.73	-0.06	-1.67e-03	0.0	5.52e-05
1019	140	2.03	2.62	-0.03	-1.60e-03	0.0	-9.32e-05
1019	166	0.19	1.88	-0.07	-1.15e-03	0.0	1.36e-04
1019	168	1.16	3.08	-0.06	-1.88e-03	0.0	6.28e-05
1019	172	2.01	2.60	-0.03	-1.58e-03	0.0	-9.32e-05
1019	198	0.19	1.88	-0.07	-1.15e-03	0.0	1.33e-04
1019	200	1.16	3.09	-0.06	-1.89e-03	0.0	5.81e-05
1019	204	2.35	3.03	-0.03	-1.85e-03	0.0	-1.08e-04
1019	230	0.21	2.20	-0.08	-1.34e-03	0.0	1.56e-04
1019	232	1.36	3.64	-0.07	-2.22e-03	0.0	6.68e-05
1020	4	0.05	0.29	-0.09	-1.31e-04	0.0	-8.34e-06
1020	18	0.05	0.47	-0.08	-2.20e-04	0.0	-3.44e-06
1020	68	0.04	0.20	-0.06	-8.73e-05	0.0	-6.33e-06
1020	75	0.03	0.32	-0.06	-1.46e-04	0.0	-3.06e-06
1020	98	0.03	0.01	-0.05	0.0	0.0	-9.07e-06
1020	103	0.03	0.07	-0.05	-2.89e-05	0.0	-7.56e-06
1020	107	0.03	0.01	-0.05	0.0	0.0	-8.81e-06
1020	108	2.27	2.97	-0.03	-1.42e-03	0.0	-1.29e-04
1020	134	0.22	2.13	-0.08	-1.02e-03	0.0	1.34e-04
1020	136	1.30	3.48	-0.07	-1.67e-03	0.0	4.04e-05
1020	140	2.56	3.34	-0.03	-1.60e-03	0.0	-1.44e-04
1020	166	0.24	2.40	-0.09	-1.15e-03	0.0	1.52e-04
1020	168	1.47	3.93	-0.08	-1.88e-03	0.0	4.60e-05
1020	172	2.54	3.31	-0.03	-1.58e-03	0.0	-1.44e-04
1020	198	0.24	2.40	-0.08	-1.15e-03	0.0	1.48e-04
1020	200	1.46	3.94	-0.08	-1.89e-03	0.0	4.11e-05
1020	204	2.96	3.87	-0.03	-1.85e-03	0.0	-1.67e-04
1020	230	0.27	2.80	-0.09	-1.34e-03	0.0	1.74e-04
1020	232	1.72	4.64	-0.08	-2.22e-03	0.0	4.65e-05
1021	4	0.05	0.23	-0.02	-1.35e-04	0.0	-7.24e-06
1021	18	0.05	0.37	-0.02	-2.23e-04	0.0	-2.72e-06
1021	68	0.04	0.15	-0.01	-9.02e-05	0.0	-5.49e-06
1021	75	0.03	0.25	-0.01	-1.49e-04	0.0	-2.48e-06
1021	98	0.03	8.04e-03	-0.01	-2.09e-06	0.0	-8.03e-06
1021	103	0.03	0.06	-0.01	-3.14e-05	0.0	-6.64e-06

1021	107	0.03	7.86e-03	-0.01	-2.07e-06	0.0	-7.80e-06
1021	108	1.80	2.28	-9.19e-03	-1.37e-03	0.0	-8.60e-05
1021	134	0.17	1.72	-0.02	-1.03e-03	0.0	1.17e-04
1021	136	1.03	2.75	-0.01	-1.64e-03	0.0	5.13e-05
1021	140	2.03	2.57	-8.99e-03	-1.54e-03	0.0	-9.59e-05
1021	166	0.19	1.94	-0.02	-1.16e-03	0.0	1.33e-04
1021	168	1.16	3.09	-0.02	-1.85e-03	0.0	5.82e-05
1021	172	2.01	2.54	-9.15e-03	-1.53e-03	0.0	-9.58e-05
1021	198	0.19	1.93	-0.02	-1.15e-03	0.0	1.30e-04
1021	200	1.16	3.10	-0.02	-1.86e-03	0.0	5.37e-05
1021	204	2.35	2.97	-8.95e-03	-1.79e-03	0.0	-1.11e-04
1021	230	0.21	2.26	-0.02	-1.35e-03	0.0	1.52e-04
1021	232	1.36	3.65	-0.02	-2.19e-03	0.0	6.15e-05
1022	4	0.05	0.29	-0.02	-1.33e-04	0.0	-6.56e-06
1022	18	0.04	0.47	-0.02	-2.21e-04	0.0	-1.91e-06
1022	68	0.03	0.19	-0.02	-8.86e-05	0.0	-5.05e-06
1022	75	0.03	0.31	-0.01	-1.48e-04	0.0	-1.95e-06
1022	98	0.03	8.56e-03	-0.01	0.0	0.0	-7.89e-06
1022	103	0.03	0.07	-0.01	-2.99e-05	0.0	-6.45e-06
1022	107	0.03	8.39e-03	-0.01	0.0	0.0	-7.68e-06
1022	108	2.28	2.90	-0.01	-1.36e-03	0.0	-1.30e-04
1022	134	0.22	2.18	-0.02	-1.02e-03	0.0	1.33e-04
1022	136	1.31	3.48	-0.02	-1.63e-03	0.0	3.86e-05
1022	140	2.56	3.26	-0.01	-1.53e-03	0.0	-1.46e-04
1022	166	0.24	2.45	-0.02	-1.14e-03	0.0	1.51e-04
1022	168	1.47	3.93	-0.02	-1.84e-03	0.0	4.38e-05
1022	172	2.54	3.23	-0.01	-1.52e-03	0.0	-1.45e-04
1022	198	0.24	2.45	-0.02	-1.14e-03	0.0	1.47e-04
1022	200	1.47	3.93	-0.02	-1.84e-03	0.0	3.90e-05
1022	204	2.97	3.77	-0.01	-1.77e-03	0.0	-1.69e-04
1022	230	0.27	2.86	-0.02	-1.33e-03	0.0	1.73e-04
1022	232	1.73	4.63	-0.02	-2.17e-03	0.0	4.39e-05
1023	4	0.05	0.22	-7.33e-03	-1.35e-04	0.0	-6.20e-06
1023	18	0.05	0.37	-7.12e-03	-2.23e-04	0.0	-1.97e-06
1023	68	0.04	0.15	-5.43e-03	-9.03e-05	0.0	-4.74e-06
1023	75	0.03	0.25	-5.29e-03	-1.49e-04	0.0	-1.93e-06
1023	98	0.03	4.32e-03	-4.97e-03	-1.75e-06	0.0	-7.24e-06
1023	103	0.03	0.05	-4.93e-03	-3.12e-05	0.0	-5.93e-06
1023	107	0.03	4.25e-03	-4.89e-03	-1.73e-06	0.0	-7.03e-06
1023	108	1.80	2.24	-8.80e-03	-1.33e-03	0.0	-8.73e-05
1023	136	1.03	2.76	-6.87e-03	-1.63e-03	0.0	4.90e-05
1023	140	2.03	2.52	-9.30e-03	-1.49e-03	0.0	-9.75e-05
1023	168	1.16	3.11	-7.13e-03	-1.83e-03	0.0	5.56e-05
1023	172	2.01	2.49	-9.27e-03	-1.48e-03	0.0	-9.74e-05
1023	200	1.16	3.11	-7.15e-03	-1.84e-03	0.0	5.10e-05
1023	204	2.35	2.91	-0.01	-1.73e-03	0.0	-1.13e-04
1023	232	1.36	3.66	-7.57e-03	-2.16e-03	0.0	5.83e-05
1024	4	0.05	0.29	-8.49e-03	-1.35e-04	0.0	-5.26e-06
1024	18	0.04	0.47	-8.24e-03	-2.23e-04	0.0	0.0
1024	68	0.03	0.19	-6.28e-03	-8.99e-05	0.0	-4.11e-06
1024	75	0.03	0.31	-6.11e-03	-1.49e-04	0.0	-1.16e-06
1024	98	0.03	4.97e-03	-5.73e-03	-1.25e-06	0.0	-6.97e-06
1024	103	0.03	0.07	-5.69e-03	-3.08e-05	0.0	-5.59e-06
1024	107	0.03	4.90e-03	-5.64e-03	-1.25e-06	0.0	-6.79e-06
1024	108	2.29	2.83	-8.96e-03	-1.31e-03	0.0	-1.30e-04
1024	136	1.31	3.48	-7.26e-03	-1.60e-03	0.0	3.88e-05
1024	140	2.58	3.19	-9.38e-03	-1.47e-03	0.0	-1.46e-04
1024	168	1.48	3.92	-7.47e-03	-1.80e-03	0.0	4.40e-05
1024	172	2.55	3.15	-9.35e-03	-1.45e-03	0.0	-1.45e-04
1024	200	1.47	3.93	-7.50e-03	-1.80e-03	0.0	3.91e-05
1024	204	2.98	3.68	-9.99e-03	-1.70e-03	0.0	-1.69e-04
1024	232	1.74	4.63	-7.86e-03	-2.12e-03	0.0	4.39e-05
1025	4	0.05	0.22	-5.68e-03	-1.36e-04	0.0	-5.68e-06
1025	47	0.03	-0.37	-4.32e-03	2.25e-04	0.0	-1.64e-05
1025	68	0.04	0.15	-4.35e-03	-9.05e-05	0.0	-4.37e-06
1025	87	0.03	-0.25	-4.30e-03	1.50e-04	0.0	-1.29e-05
1025	98	0.03	9.35e-04	-4.30e-03	-1.50e-06	0.0	-6.82e-06
1025	102	0.02	0.05	-4.24e-03	-3.10e-05	0.0	-4.42e-06
1025	106	0.02	1.11e-03	-4.24e-03	-1.38e-06	0.0	-5.49e-06
1025	107	0.03	9.59e-04	-4.29e-03	-1.48e-06	0.0	-6.63e-06
1025	108	1.80	2.19	-0.02	-1.28e-03	0.0	-8.75e-05
1025	113	1.42	0.90	-0.02	-5.29e-04	0.0	-1.42e-04
1025	136	1.03	2.77	-2.61e-03	-1.61e-03	0.0	4.88e-05
1025	140	2.02	2.47	-0.02	-1.44e-03	0.0	-9.77e-05
1025	145	1.60	1.02	-0.02	-5.96e-04	0.0	-1.59e-04

1025	168	1.15	3.12	-2.40e-03	-1.81e-03	0.0	5.53e-05
1025	172	2.01	2.44	-0.02	-1.43e-03	0.0	-9.76e-05
1025	177	1.59	1.01	-0.02	-5.93e-04	0.0	-1.58e-04
1025	200	1.15	3.12	-2.48e-03	-1.81e-03	0.0	5.06e-05
1025	204	2.34	2.85	-0.02	-1.67e-03	0.0	-1.13e-04
1025	209	1.85	1.19	-0.02	-6.96e-04	0.0	-1.84e-04
1025	232	1.36	3.67	-2.27e-03	-2.13e-03	0.0	5.78e-05
1026	4	0.05	0.28	-6.64e-03	-1.36e-04	0.0	-4.72e-06
1026	47	0.03	-0.48	-5.04e-03	2.24e-04	0.0	-1.67e-05
1026	68	0.03	0.19	-5.08e-03	-9.11e-05	0.0	-3.71e-06
1026	87	0.02	-0.32	-5.02e-03	1.49e-04	0.0	-1.31e-05
1026	98	0.03	1.76e-03	-5.04e-03	-2.04e-06	0.0	-6.55e-06
1026	102	0.02	0.06	-4.97e-03	-3.14e-05	0.0	-4.17e-06
1026	106	0.02	1.84e-03	-4.97e-03	-1.81e-06	0.0	-5.34e-06
1026	107	0.02	1.77e-03	-5.03e-03	-2.01e-06	0.0	-6.37e-06
1026	108	2.30	2.76	-0.03	-1.25e-03	0.0	-1.27e-04
1026	113	1.82	1.14	-0.03	-5.17e-04	0.0	-1.87e-04
1026	136	1.32	3.48	-1.86e-03	-1.56e-03	0.0	4.31e-05
1026	140	2.59	3.11	-0.03	-1.40e-03	0.0	-1.42e-04
1026	145	2.05	1.28	-0.03	-5.82e-04	0.0	-2.09e-04
1026	168	1.49	3.92	-1.48e-03	-1.76e-03	0.0	4.87e-05
1026	172	2.57	3.07	-0.03	-1.39e-03	0.0	-1.41e-04
1026	177	2.03	1.27	-0.03	-5.79e-04	0.0	-2.08e-04
1026	200	1.48	3.93	-1.63e-03	-1.76e-03	0.0	4.36e-05
1026	204	3.00	3.59	-0.03	-1.62e-03	0.0	-1.65e-04
1026	209	2.37	1.50	-0.03	-6.80e-04	0.0	-2.43e-04
1026	232	1.75	4.62	-1.22e-03	-2.07e-03	0.0	4.90e-05
1027	4	0.05	0.22	-9.11e-03	-1.36e-04	0.0	-5.59e-06
1027	44	0.04	-0.38	-9.59e-03	2.26e-04	0.0	-1.85e-05
1027	68	0.04	0.15	-7.02e-03	-9.08e-05	0.0	-4.30e-06
1027	88	0.03	-0.26	-7.34e-03	1.51e-04	0.0	-1.29e-05
1027	98	0.03	-2.37e-03	-7.14e-03	-1.28e-06	0.0	-6.73e-06
1027	105	0.03	-0.05	-7.18e-03	2.91e-05	0.0	-7.75e-06
1027	107	0.03	-2.26e-03	-7.14e-03	-1.26e-06	0.0	-6.54e-06
1027	108	1.79	2.14	-0.13	-1.24e-03	0.0	-8.74e-05
1027	113	1.42	0.84	-0.16	-4.89e-04	0.0	-1.42e-04
1027	139	-0.97	-2.79	-0.03	1.60e-03	0.0	-6.20e-05
1027	140	2.02	2.41	-0.14	-1.40e-03	0.0	-9.77e-05
1027	145	1.60	0.94	-0.18	-5.51e-04	0.0	-1.59e-04
1027	171	-1.10	-3.14	-0.03	1.80e-03	0.0	-6.84e-05
1027	172	2.00	2.39	-0.14	-1.38e-03	0.0	-9.75e-05
1027	177	1.58	0.94	-0.17	-5.48e-04	0.0	-1.58e-04
1027	203	-1.10	-3.14	-0.03	1.80e-03	0.0	-6.38e-05
1027	204	2.34	2.79	-0.16	-1.62e-03	0.0	-1.13e-04
1027	209	1.85	1.10	-0.20	-6.44e-04	0.0	-1.84e-04
1027	235	-1.30	-3.69	-0.03	2.12e-03	0.0	-7.09e-05
1028	4	0.04	0.28	-0.01	-1.38e-04	0.0	-4.78e-06
1028	41	0.02	-0.48	-0.01	2.24e-04	0.0	-1.68e-05
1028	43	0.03	-0.48	-0.01	2.23e-04	0.0	-1.87e-05
1028	68	0.03	0.19	-8.56e-03	-9.23e-05	0.0	-3.76e-06
1028	85	0.01	-0.32	-9.39e-03	1.49e-04	0.0	-1.18e-05
1028	87	0.02	-0.32	-9.10e-03	1.48e-04	0.0	-1.30e-05
1028	98	0.02	-1.47e-03	-8.86e-03	-2.89e-06	0.0	-6.56e-06
1028	104	0.01	-0.07	-9.20e-03	2.78e-05	0.0	-6.63e-06
1028	105	0.02	-0.07	-8.95e-03	2.74e-05	0.0	-7.67e-06
1028	106	0.01	-7.89e-04	-9.15e-03	-2.43e-06	0.0	-5.34e-06
1028	107	0.02	-1.37e-03	-8.91e-03	-2.83e-06	0.0	-6.38e-06
1028	108	2.33	2.69	-0.12	-1.20e-03	0.0	-1.24e-04
1028	113	1.84	1.05	-0.15	-4.71e-04	0.0	-1.85e-04
1028	139	-1.29	-3.49	-0.03	1.53e-03	0.0	-5.92e-05
1028	140	2.62	3.03	-0.13	-1.35e-03	0.0	-1.39e-04
1028	145	2.07	1.19	-0.16	-5.31e-04	0.0	-2.08e-04
1028	171	-1.46	-3.94	-0.03	1.72e-03	0.0	-6.53e-05
1028	176	2.59	3.13	-0.13	-1.38e-03	0.0	-1.41e-04
1028	177	2.05	1.18	-0.16	-5.28e-04	0.0	-2.06e-04
1028	203	-1.45	-3.94	-0.03	1.72e-03	0.0	-5.99e-05
1028	208	3.03	3.67	-0.15	-1.62e-03	0.0	-1.65e-04
1028	209	2.40	1.39	-0.19	-6.21e-04	0.0	-2.41e-04
1028	235	-1.72	-4.63	-0.03	2.03e-03	0.0	-6.59e-05
1029	4	0.05	0.35	-0.10	-1.27e-04	0.0	-5.56e-06
1029	18	0.04	0.57	-0.09	-2.17e-04	0.0	0.0
1029	68	0.03	0.23	-0.07	-8.46e-05	0.0	-4.39e-06
1029	75	0.03	0.38	-0.06	-1.44e-04	0.0	-1.34e-06
1029	98	0.03	0.01	-0.05	3.44e-06	0.0	-7.51e-06
1029	103	0.02	0.08	-0.05	-2.63e-05	0.0	-6.07e-06

1029	107	0.02	0.01	-0.05	3.27e-06	0.0	-7.33e-06
1029	113	2.63	1.69	-0.02	-6.64e-04	0.0	-2.40e-04
1029	134	-1.60	2.57	-0.09	-1.01e-03	0.0	1.48e-04
1029	136	-0.34	4.21	-0.08	-1.66e-03	0.0	2.31e-05
1029	145	2.96	1.90	-0.02	-7.49e-04	0.0	-2.69e-04
1029	166	-1.81	2.90	-0.10	-1.14e-03	0.0	1.68e-04
1029	168	-0.39	4.74	-0.08	-1.88e-03	0.0	2.64e-05
1029	177	2.94	1.89	-0.02	-7.44e-04	0.0	-2.68e-04
1029	198	-1.79	2.89	-0.10	-1.14e-03	0.0	1.65e-04
1029	200	-0.37	4.75	-0.08	-1.88e-03	0.0	2.20e-05
1029	209	3.43	2.22	-0.01	-8.74e-04	0.0	-3.13e-04
1029	230	-2.10	3.38	-0.10	-1.34e-03	0.0	1.95e-04
1029	232	-0.41	5.60	-0.09	-2.22e-03	0.0	2.41e-05
1030	4	0.03	0.40	-0.11	-1.25e-04	0.0	0.0
1030	18	0.03	0.66	-0.10	-2.15e-04	0.0	3.84e-06
1030	68	0.02	0.27	-0.08	-8.27e-05	0.0	0.0
1030	75	0.02	0.44	-0.07	-1.43e-04	0.0	2.11e-06
1030	98	0.02	9.41e-03	-0.06	5.42e-06	0.0	-4.06e-06
1030	103	0.02	0.10	-0.06	-2.45e-05	0.0	-2.80e-06
1030	107	0.02	9.29e-03	-0.06	5.20e-06	0.0	-4.03e-06
1030	113	2.95	1.98	-0.02	-6.63e-04	0.0	-2.93e-04
1030	134	-1.81	3.01	-0.10	-1.01e-03	0.0	1.73e-04
1030	136	-0.40	4.92	-0.09	-1.66e-03	0.0	1.39e-05
1030	145	3.33	2.23	-0.02	-7.48e-04	0.0	-3.30e-04
1030	166	-2.04	3.39	-0.11	-1.14e-03	0.0	1.95e-04
1030	168	-0.45	5.55	-0.10	-1.87e-03	0.0	1.59e-05
1030	177	3.30	2.21	-0.02	-7.43e-04	0.0	-3.28e-04
1030	198	-2.02	3.38	-0.11	-1.13e-03	0.0	1.94e-04
1030	200	-0.43	5.57	-0.10	-1.88e-03	0.0	1.27e-05
1030	209	3.85	2.59	-0.01	-8.74e-04	0.0	-3.84e-04
1030	230	-2.37	3.96	-0.12	-1.33e-03	0.0	2.29e-04
1030	232	-0.48	6.56	-0.10	-2.21e-03	0.0	1.32e-05
1031	4	3.13e-03	0.45	-0.11	-1.24e-04	0.0	4.82e-06
1031	28	3.78e-03	-0.45	-0.09	1.47e-04	0.0	-4.90e-06
1031	45	1.61e-03	-0.75	-0.02	2.34e-04	0.0	-8.83e-06
1031	68	2.17e-03	0.30	-0.07	-8.19e-05	0.0	3.09e-06
1031	75	1.70e-03	0.50	-0.07	-1.42e-04	0.0	5.13e-06
1031	80	2.61e-03	-0.30	-0.06	9.88e-05	0.0	-3.39e-06
1031	98	1.92e-03	6.36e-03	-0.06	6.28e-06	0.0	0.0
1031	103	1.74e-03	0.11	-0.06	-2.36e-05	0.0	0.0
1031	107	1.80e-03	6.34e-03	-0.06	6.06e-06	0.0	0.0
1031	113	3.27	2.26	-0.02	-6.63e-04	0.0	-2.93e-04
1031	134	-2.04	3.44	-0.11	-1.00e-03	0.0	-2.17e-05
1031	136	-0.46	5.64	-0.09	-1.65e-03	0.0	-2.21e-04
1031	145	3.68	2.55	-0.02	-7.48e-04	0.0	-3.30e-04
1031	166	-2.29	3.88	-0.11	-1.13e-03	0.0	-2.48e-05
1031	168	-0.52	6.36	-0.10	-1.87e-03	0.0	-2.50e-04
1031	177	3.64	2.53	-0.02	-7.44e-04	0.0	-3.28e-04
1031	198	-2.27	3.87	-0.11	-1.13e-03	0.0	-2.63e-05
1031	200	-0.50	6.38	-0.10	-1.87e-03	0.0	-2.54e-04
1031	209	4.27	2.97	-0.01	-8.74e-04	0.0	-3.84e-04
1031	230	-2.66	4.53	-0.12	-1.32e-03	0.0	-3.27e-05
1031	232	-0.56	7.51	-0.10	-2.21e-03	0.0	-3.04e-04
1032	4	0.04	0.35	-0.02	-1.31e-04	0.0	-4.02e-06
1032	18	0.04	0.57	-0.02	-2.20e-04	0.0	0.0
1032	68	0.03	0.23	-0.02	-8.73e-05	0.0	-3.26e-06
1032	75	0.03	0.38	-0.02	-1.47e-04	0.0	0.0
1032	98	0.02	8.28e-03	-0.01	1.05e-06	0.0	-6.42e-06
1032	103	0.02	0.08	-0.01	-2.86e-05	0.0	-5.02e-06
1032	107	0.02	8.14e-03	-0.01	0.0	0.0	-6.27e-06
1032	113	2.63	1.58	-9.54e-03	-6.12e-04	0.0	-2.40e-04
1032	134	-1.60	2.62	-0.02	-1.00e-03	0.0	1.49e-04
1032	136	-0.34	4.19	-0.02	-1.61e-03	0.0	2.32e-05
1032	145	2.96	1.78	-9.01e-03	-6.89e-04	0.0	-2.69e-04
1032	166	-1.81	2.95	-0.02	-1.13e-03	0.0	1.69e-04
1032	168	-0.39	4.72	-0.02	-1.82e-03	0.0	2.65e-05
1032	177	2.94	1.77	-9.22e-03	-6.85e-04	0.0	-2.68e-04
1032	198	-1.79	2.94	-0.02	-1.13e-03	0.0	1.66e-04
1032	200	-0.37	4.73	-0.02	-1.82e-03	0.0	2.22e-05
1032	209	3.43	2.07	-8.55e-03	-8.05e-04	0.0	-3.13e-04
1032	232	-0.42	5.57	-0.02	-2.15e-03	0.0	2.41e-05
1032	234	-1.95	3.35	-0.02	-1.28e-03	0.0	2.05e-04
1033	4	0.03	0.40	-0.03	-1.30e-04	0.0	0.0
1033	18	0.03	0.66	-0.03	-2.19e-04	0.0	4.00e-06
1033	68	0.02	0.27	-0.02	-8.64e-05	0.0	0.0

1033	75	0.02	0.44	-0.02	-1.46e-04	0.0	2.28e-06
1033	98	0.02	7.46e-03	-0.02	2.01e-06	0.0	-3.80e-06
1033	103	0.02	0.09	-0.02	-2.77e-05	0.0	-2.52e-06
1033	107	0.02	7.36e-03	-0.02	1.91e-06	0.0	-3.74e-06
1033	113	2.95	1.84	-0.01	-6.08e-04	0.0	-2.99e-04
1033	134	-1.81	3.05	-0.02	-9.94e-04	0.0	1.76e-04
1033	136	-0.40	4.88	-0.02	-1.60e-03	0.0	1.44e-05
1033	145	3.32	2.08	-0.01	-6.86e-04	0.0	-3.37e-04
1033	166	-2.05	3.43	-0.02	-1.12e-03	0.0	1.99e-04
1033	168	-0.45	5.50	-0.02	-1.81e-03	0.0	1.64e-05
1033	177	3.29	2.06	-0.01	-6.81e-04	0.0	-3.35e-04
1033	198	-2.03	3.42	-0.02	-1.12e-03	0.0	1.98e-04
1033	200	-0.43	5.51	-0.02	-1.81e-03	0.0	1.33e-05
1033	209	3.85	2.42	-0.01	-8.01e-04	0.0	-3.93e-04
1033	230	-2.37	4.00	-0.02	-1.31e-03	0.0	2.34e-04
1033	232	-0.48	6.49	-0.02	-2.13e-03	0.0	1.38e-05
1034	4	6.06e-03	0.46	-0.03	-1.29e-04	0.0	4.05e-06
1034	28	6.56e-03	-0.45	-0.02	1.41e-04	0.0	-6.17e-06
1034	45	2.48e-03	-0.76	-8.34e-03	2.29e-04	0.0	-9.60e-06
1034	68	4.22e-03	0.31	-0.02	-8.60e-05	0.0	2.54e-06
1034	75	3.53e-03	0.50	-0.02	-1.46e-04	0.0	4.79e-06
1034	80	4.55e-03	-0.30	-0.02	9.40e-05	0.0	-4.27e-06
1034	98	3.57e-03	6.23e-03	-0.02	2.49e-06	0.0	-1.07e-06
1034	103	3.33e-03	0.11	-0.02	-2.73e-05	0.0	0.0
1034	107	3.38e-03	6.19e-03	-0.01	2.37e-06	0.0	-1.09e-06
1034	113	3.27	2.11	-0.01	-6.06e-04	0.0	-2.91e-04
1034	134	-2.03	3.47	-0.02	-9.90e-04	0.0	-2.20e-05
1034	136	-0.46	5.57	-0.02	-1.60e-03	0.0	-2.20e-04
1034	145	3.68	2.37	-0.01	-6.84e-04	0.0	-3.27e-04
1034	166	-2.29	3.91	-0.02	-1.12e-03	0.0	-2.50e-05
1034	168	-0.52	6.28	-0.02	-1.80e-03	0.0	-2.48e-04
1034	177	3.64	2.36	-0.01	-6.80e-04	0.0	-3.25e-04
1034	198	-2.27	3.90	-0.02	-1.11e-03	0.0	-2.64e-05
1034	200	-0.49	6.30	-0.02	-1.81e-03	0.0	-2.52e-04
1034	209	4.27	2.77	-9.93e-03	-7.99e-04	0.0	-3.81e-04
1034	230	-2.65	4.57	-0.02	-1.30e-03	0.0	-3.26e-05
1034	232	-0.55	7.41	-0.02	-2.13e-03	0.0	-3.01e-04
1035	4	0.04	0.34	-9.25e-03	-1.34e-04	0.0	-2.87e-06
1035	18	0.04	0.57	-8.97e-03	-2.23e-04	0.0	1.41e-06
1035	68	0.03	0.23	-6.84e-03	-8.96e-05	0.0	-2.42e-06
1035	75	0.03	0.38	-6.66e-03	-1.49e-04	0.0	0.0
1035	98	0.02	5.38e-03	-6.23e-03	0.0	0.0	-5.60e-06
1035	103	0.02	0.08	-6.19e-03	-3.04e-05	0.0	-4.24e-06
1035	107	0.02	5.31e-03	-6.13e-03	0.0	0.0	-5.47e-06
1035	108	2.63	3.39	-9.40e-03	-1.29e-03	0.0	-1.80e-04
1035	113	2.63	1.47	-8.71e-03	-5.59e-04	0.0	-2.40e-04
1035	136	-0.34	4.17	-7.72e-03	-1.57e-03	0.0	2.41e-05
1035	140	2.96	3.82	-9.82e-03	-1.45e-03	0.0	-2.02e-04
1035	145	2.96	1.66	-9.03e-03	-6.30e-04	0.0	-2.70e-04
1035	168	-0.39	4.70	-7.92e-03	-1.77e-03	0.0	2.74e-05
1035	172	2.94	3.78	-9.80e-03	-1.43e-03	0.0	-2.01e-04
1035	177	2.94	1.64	-9.01e-03	-6.26e-04	0.0	-2.68e-04
1035	200	-0.37	4.70	-7.95e-03	-1.77e-03	0.0	2.30e-05
1035	204	3.43	4.41	-0.01	-1.68e-03	0.0	-2.34e-04
1035	209	3.43	1.93	-9.51e-03	-7.36e-04	0.0	-3.14e-04
1035	232	-0.42	5.54	-8.31e-03	-2.09e-03	0.0	2.49e-05
1036	4	0.03	0.40	-9.81e-03	-1.34e-04	0.0	0.0
1036	45	0.01	-0.66	-5.18e-03	2.26e-04	0.0	-1.23e-05
1036	68	0.02	0.27	-7.25e-03	-8.95e-05	0.0	0.0
1036	75	0.02	0.44	-7.04e-03	-1.49e-04	0.0	2.59e-06
1036	98	0.02	5.65e-03	-6.59e-03	0.0	0.0	-3.51e-06
1036	103	0.02	0.09	-6.55e-03	-3.03e-05	0.0	-2.22e-06
1036	107	0.02	5.58e-03	-6.48e-03	0.0	0.0	-3.44e-06
1036	108	2.95	3.94	-9.90e-03	-1.27e-03	0.0	-2.36e-04
1036	113	2.95	1.71	-9.15e-03	-5.52e-04	0.0	-3.01e-04
1036	136	-0.40	4.84	-8.15e-03	-1.55e-03	0.0	1.50e-05
1036	140	3.32	4.44	-0.01	-1.43e-03	0.0	-2.66e-04
1036	145	3.32	1.93	-9.49e-03	-6.22e-04	0.0	-3.38e-04
1036	168	-0.45	5.45	-8.37e-03	-1.74e-03	0.0	1.71e-05
1036	172	3.29	4.39	-0.01	-1.41e-03	0.0	-2.64e-04
1036	177	3.29	1.91	-9.47e-03	-6.18e-04	0.0	-3.37e-04
1036	200	-0.43	5.46	-8.41e-03	-1.75e-03	0.0	1.38e-05
1036	204	3.85	5.13	-0.01	-1.65e-03	0.0	-3.09e-04
1036	209	3.85	2.25	-9.99e-03	-7.26e-04	0.0	-3.95e-04
1036	232	-0.48	6.43	-8.79e-03	-2.06e-03	0.0	1.44e-05

1037	4	7.61e-03	0.46	-9.83e-03	-1.34e-04	0.0	3.52e-06
1037	28	8.02e-03	-0.45	-9.20e-03	1.35e-04	0.0	-7.11e-06
1037	45	2.94e-03	-0.76	-5.21e-03	2.25e-04	0.0	-1.02e-05
1037	68	5.30e-03	0.31	-7.27e-03	-8.96e-05	0.0	2.16e-06
1037	75	4.50e-03	0.51	-7.07e-03	-1.49e-04	0.0	4.57e-06
1037	80	5.58e-03	-0.30	-6.85e-03	8.97e-05	0.0	-4.92e-06
1037	98	4.45e-03	6.03e-03	-6.61e-03	0.0	0.0	-1.50e-06
1037	103	4.17e-03	0.11	-6.57e-03	-3.04e-05	0.0	0.0
1037	107	4.21e-03	5.97e-03	-6.50e-03	0.0	0.0	-1.50e-06
1037	108	3.26	4.49	-9.97e-03	-1.26e-03	0.0	-2.86e-04
1037	113	3.27	1.95	-9.21e-03	-5.49e-04	0.0	-2.88e-04
1037	136	-0.46	5.50	-8.19e-03	-1.54e-03	0.0	-2.18e-04
1037	140	3.67	5.05	-0.01	-1.42e-03	0.0	-3.22e-04
1037	145	3.68	2.19	-9.55e-03	-6.18e-04	0.0	-3.24e-04
1037	168	-0.51	6.20	-8.41e-03	-1.73e-03	0.0	-2.46e-04
1037	172	3.64	5.00	-0.01	-1.41e-03	0.0	-3.20e-04
1037	177	3.65	2.18	-9.53e-03	-6.15e-04	0.0	-3.22e-04
1037	200	-0.49	6.21	-8.46e-03	-1.74e-03	0.0	-2.50e-04
1037	204	4.26	5.84	-0.01	-1.65e-03	0.0	-3.75e-04
1037	209	4.27	2.56	-0.01	-7.22e-04	0.0	-3.77e-04
1037	232	-0.55	7.31	-8.84e-03	-2.05e-03	0.0	-2.99e-04
1038	4	0.04	0.34	-7.17e-03	-1.37e-04	0.0	-2.24e-06
1038	45	0.01	-0.57	-5.34e-03	2.24e-04	0.0	-1.38e-05
1038	68	0.03	0.23	-5.49e-03	-9.14e-05	0.0	-1.96e-06
1038	85	0.01	-0.38	-5.36e-03	1.49e-04	0.0	-1.08e-05
1038	98	0.02	2.82e-03	-5.44e-03	-2.38e-06	0.0	-5.13e-06
1038	103	0.02	0.08	-5.43e-03	-3.19e-05	0.0	-3.80e-06
1038	107	0.02	2.81e-03	-5.43e-03	-2.34e-06	0.0	-5.01e-06
1038	113	2.63	1.36	-0.03	-5.06e-04	0.0	-2.40e-04
1038	136	-0.35	4.15	-1.26e-03	-1.52e-03	0.0	2.46e-05
1038	145	2.96	1.53	-0.04	-5.70e-04	0.0	-2.70e-04
1038	168	-0.39	4.68	-7.52e-04	-1.72e-03	0.0	2.79e-05
1038	177	2.94	1.52	-0.04	-5.67e-04	0.0	-2.69e-04
1038	200	-0.37	4.68	-9.46e-04	-1.72e-03	0.0	2.35e-05
1038	209	3.43	1.79	-0.04	-6.66e-04	0.0	-3.14e-04
1038	232	-0.42	5.50	-4.05e-04	-2.02e-03	0.0	2.54e-05
1039	4	0.03	0.40	-7.48e-03	-1.37e-04	0.0	1.02e-06
1039	45	9.25e-03	-0.67	-5.57e-03	2.24e-04	0.0	-1.20e-05
1039	68	0.02	0.27	-5.73e-03	-9.13e-05	0.0	0.0
1039	85	0.01	-0.45	-5.59e-03	1.49e-04	0.0	-8.96e-06
1039	98	0.02	4.00e-03	-5.68e-03	-2.32e-06	0.0	-3.13e-06
1039	103	0.02	0.09	-5.67e-03	-3.19e-05	0.0	-1.84e-06
1039	107	0.02	3.97e-03	-5.67e-03	-2.29e-06	0.0	-3.07e-06
1039	113	2.95	1.58	-0.04	-4.98e-04	0.0	-3.00e-04
1039	136	-0.40	4.80	-9.37e-04	-1.49e-03	0.0	1.55e-05
1039	145	3.32	1.78	-0.04	-5.61e-04	0.0	-3.38e-04
1039	168	-0.45	5.41	-3.64e-04	-1.68e-03	0.0	1.76e-05
1039	177	3.29	1.77	-0.04	-5.59e-04	0.0	-3.37e-04
1039	200	-0.43	5.41	-5.84e-04	-1.68e-03	0.0	1.44e-05
1039	209	3.85	2.07	-0.05	-6.57e-04	0.0	-3.95e-04
1039	232	-0.48	6.37	3.07e-05	-1.98e-03	0.0	1.49e-05
1040	4	8.73e-03	0.46	-7.55e-03	-1.36e-04	0.0	4.35e-06
1040	28	9.04e-03	-0.46	-7.52e-03	1.33e-04	0.0	-6.52e-06
1040	45	3.22e-03	-0.77	-5.64e-03	2.24e-04	0.0	-9.97e-06
1040	68	6.09e-03	0.31	-5.79e-03	-9.09e-05	0.0	2.76e-06
1040	80	6.30e-03	-0.30	-5.76e-03	8.83e-05	0.0	-4.49e-06
1040	85	3.36e-03	-0.51	-5.66e-03	1.49e-04	0.0	-7.02e-06
1040	98	5.08e-03	4.81e-03	-5.74e-03	-1.94e-06	0.0	-1.02e-06
1040	103	4.77e-03	0.11	-5.73e-03	-3.15e-05	0.0	0.0
1040	107	4.80e-03	4.77e-03	-5.73e-03	-1.92e-06	0.0	-1.03e-06
1040	113	3.27	1.79	-0.04	-4.96e-04	0.0	-2.85e-04
1040	136	-0.46	5.44	-8.50e-04	-1.48e-03	0.0	-2.16e-04
1040	145	3.68	2.02	-0.04	-5.58e-04	0.0	-3.21e-04
1040	168	-0.51	6.13	-2.59e-04	-1.67e-03	0.0	-2.44e-04
1040	177	3.65	2.01	-0.04	-5.56e-04	0.0	-3.19e-04
1040	200	-0.49	6.13	-4.86e-04	-1.67e-03	0.0	-2.48e-04
1040	209	4.27	2.36	-0.05	-6.53e-04	0.0	-3.74e-04
1040	232	-0.55	7.21	1.48e-04	-1.97e-03	0.0	-2.96e-04
1041	4	0.03	0.34	-0.01	-1.40e-04	0.0	-2.00e-06
1041	41	0.02	-0.58	-0.01	2.21e-04	0.0	-1.51e-05
1041	47	0.02	-0.58	-9.68e-03	2.22e-04	0.0	-1.49e-05
1041	68	0.02	0.23	-9.10e-03	-9.36e-05	0.0	-1.78e-06
1041	85	0.01	-0.39	-0.01	1.47e-04	0.0	-1.05e-05
1041	87	0.02	-0.39	-9.74e-03	1.47e-04	0.0	-1.14e-05
1041	98	0.02	4.03e-04	-9.50e-03	-4.19e-06	0.0	-4.96e-06

1041	104	0.01	-0.08	-0.01	2.67e-05	0.0	-5.41e-06
1041	105	0.02	-0.08	-9.61e-03	2.61e-05	0.0	-6.12e-06
1041	106	0.01	7.50e-04	-9.96e-03	-3.47e-06	0.0	-4.12e-06
1041	107	0.02	4.53e-04	-9.57e-03	-4.09e-06	0.0	-4.84e-06
1041	113	2.63	1.25	-0.14	-4.56e-04	0.0	-2.40e-04
1041	136	-0.35	4.13	9.39e-03	-1.48e-03	0.0	2.46e-05
1041	145	2.96	1.41	-0.15	-5.14e-04	0.0	-2.70e-04
1041	168	-0.39	4.66	0.01	-1.66e-03	0.0	2.79e-05
1041	177	2.93	1.40	-0.15	-5.12e-04	0.0	-2.69e-04
1041	200	-0.37	4.66	0.01	-1.67e-03	0.0	2.35e-05
1041	209	3.43	1.65	-0.17	-6.01e-04	0.0	-3.15e-04
1041	232	-0.42	5.47	0.01	-1.96e-03	0.0	2.54e-05
1042	4	0.03	0.40	-0.01	-1.41e-04	0.0	1.43e-06
1042	41	0.01	-0.67	-0.01	2.20e-04	0.0	-1.27e-05
1042	45	8.03e-03	-0.68	-0.01	2.22e-04	0.0	-1.18e-05
1042	68	0.02	0.27	-9.31e-03	-9.45e-05	0.0	0.0
1042	85	8.74e-03	-0.45	-0.01	1.46e-04	0.0	-8.72e-06
1042	98	0.01	2.66e-03	-9.77e-03	-5.06e-06	0.0	-2.86e-06
1042	103	0.01	0.09	-9.81e-03	-3.45e-05	0.0	-1.58e-06
1042	104	8.83e-03	-0.09	-0.01	2.59e-05	0.0	-3.75e-06
1042	106	8.86e-03	2.60e-03	-0.01	-4.17e-06	0.0	-2.50e-06
1042	107	0.01	2.65e-03	-9.85e-03	-4.93e-06	0.0	-2.81e-06
1042	113	2.95	1.44	-0.13	-4.48e-04	0.0	-3.00e-04
1042	136	-0.40	4.76	8.26e-03	-1.45e-03	0.0	1.57e-05
1042	145	3.32	1.63	-0.15	-5.05e-04	0.0	-3.38e-04
1042	168	-0.45	5.36	0.01	-1.63e-03	0.0	1.78e-05
1042	177	3.29	1.62	-0.14	-5.03e-04	0.0	-3.37e-04
1042	200	-0.43	5.36	9.62e-03	-1.63e-03	0.0	1.46e-05
1042	209	3.85	1.90	-0.17	-5.91e-04	0.0	-3.95e-04
1042	232	-0.48	6.30	0.01	-1.92e-03	0.0	1.52e-05
1043	28	9.28e-03	-0.46	-0.01	1.26e-04	0.0	-3.60e-06
1043	41	4.69e-03	-0.77	-0.01	2.19e-04	0.0	-8.09e-06
1043	45	3.24e-03	-0.77	-0.01	2.21e-04	0.0	-8.27e-06
1043	75	5.41e-03	0.51	-9.57e-03	-1.54e-04	0.0	6.67e-06
1043	80	6.46e-03	-0.30	-9.66e-03	8.38e-05	0.0	-2.40e-06
1043	85	3.40e-03	-0.51	-0.01	1.46e-04	0.0	-5.39e-06
1043	98	5.23e-03	5.41e-03	-9.87e-03	-5.79e-06	0.0	0.0
1043	103	4.92e-03	0.11	-9.91e-03	-3.53e-05	0.0	1.81e-06
1043	104	3.28e-03	-0.10	-0.01	2.53e-05	0.0	0.0
1043	106	3.25e-03	4.85e-03	-0.01	-4.75e-06	0.0	0.0
1043	107	4.94e-03	5.33e-03	-9.95e-03	-5.64e-06	0.0	0.0
1043	113	3.27	1.63	-0.13	-4.43e-04	0.0	-2.85e-04
1043	136	-0.46	5.37	7.95e-03	-1.44e-03	0.0	-2.16e-04
1043	145	3.68	1.84	-0.14	-4.99e-04	0.0	-3.21e-04
1043	168	-0.51	6.06	0.01	-1.62e-03	0.0	-2.44e-04
1043	177	3.65	1.83	-0.14	-4.97e-04	0.0	-3.19e-04
1043	200	-0.49	6.06	9.30e-03	-1.62e-03	0.0	-2.48e-04
1043	209	4.27	2.15	-0.17	-5.84e-04	0.0	-3.74e-04
1043	232	-0.55	7.12	0.01	-1.90e-03	0.0	-2.96e-04
1044	1	0.0	0.0	0.0	-1.38e-04	0.0	0.0
1044	65	0.0	0.0	0.0	-9.20e-05	0.0	0.0
1044	97	0.0	0.0	0.0	-1.15e-06	0.0	0.0
1044	106	0.0	0.0	0.0	-1.15e-06	0.0	0.0
1044	108	0.0	0.0	0.0	-1.08e-03	0.0	-4.43e-06
1044	140	0.0	0.0	0.0	-1.22e-03	0.0	-5.05e-06
1044	172	0.0	0.0	0.0	-1.20e-03	0.0	-5.00e-06
1044	204	0.0	0.0	0.0	-1.40e-03	0.0	-5.95e-06
1045	28	1.83e-03	-0.06	-1.71e-03	1.37e-04	0.0	3.85e-06
1045	41	9.95e-04	-0.09	-2.16e-03	2.31e-04	0.0	1.75e-06
1045	45	6.95e-04	-0.09	-1.71e-03	2.32e-04	0.0	0.0
1045	80	1.29e-03	-0.04	-1.37e-03	9.13e-05	0.0	2.80e-06
1045	85	7.29e-04	-0.06	-1.67e-03	1.54e-04	0.0	1.40e-06
1045	98	1.07e-03	3.97e-04	-1.47e-03	-1.63e-06	0.0	2.94e-06
1045	103	1.02e-03	0.01	-1.49e-03	-3.19e-05	0.0	3.32e-06
1045	104	7.16e-04	-0.01	-1.66e-03	2.98e-05	0.0	2.11e-06
1045	106	7.12e-04	3.02e-04	-1.66e-03	-1.25e-06	0.0	2.29e-06
1045	107	1.02e-03	3.84e-04	-1.50e-03	-1.57e-06	0.0	2.85e-06
1045	113	0.42	0.12	0.05	-2.86e-04	0.0	-3.35e-05
1045	115	-0.33	-0.45	-0.07	1.11e-03	0.0	5.40e-05
1045	136	-0.06	0.65	0.04	-1.60e-03	0.0	-3.49e-05
1045	145	0.47	0.13	0.06	-3.22e-04	0.0	-3.81e-05
1045	147	-0.37	-0.51	-0.07	1.25e-03	0.0	6.04e-05
1045	168	-0.06	0.73	0.04	-1.80e-03	0.0	-3.98e-05
1045	177	0.47	0.13	0.06	-3.21e-04	0.0	-3.78e-05
1045	179	-0.36	-0.50	-0.07	1.25e-03	0.0	6.01e-05

1045	200	-0.06	0.72	0.04	-1.80e-03	0.0	-4.01e-05
1045	209	0.55	0.15	0.07	-3.78e-04	0.0	-4.47e-05
1045	211	-0.43	-0.59	-0.09	1.46e-03	0.0	7.00e-05
1045	232	-0.07	0.85	0.05	-2.11e-03	0.0	-4.83e-05
1046	18	1.56e-03	0.10	-1.69e-03	-2.38e-04	0.0	7.82e-06
1046	28	1.81e-03	-0.05	-1.68e-03	1.33e-04	0.0	3.88e-06
1046	41	9.78e-04	-0.09	-1.75e-03	2.30e-04	0.0	1.76e-06
1046	75	1.10e-03	0.06	-1.31e-03	-1.59e-04	0.0	5.45e-06
1046	80	1.27e-03	-0.04	-1.30e-03	8.84e-05	0.0	2.82e-06
1046	85	7.16e-04	-0.06	-1.35e-03	1.53e-04	0.0	1.41e-06
1046	98	1.05e-03	1.91e-03	-1.32e-03	-4.65e-06	0.0	2.96e-06
1046	103	1.00e-03	0.01	-1.32e-03	-3.53e-05	0.0	3.34e-06
1046	104	7.02e-04	-0.01	-1.35e-03	2.77e-05	0.0	2.12e-06
1046	106	6.99e-04	1.48e-03	-1.35e-03	-3.59e-06	0.0	2.30e-06
1046	107	1.00e-03	1.85e-03	-1.32e-03	-4.50e-06	0.0	2.87e-06
1046	113	0.42	0.10	-3.99e-03	-2.42e-04	0.0	-3.34e-05
1046	136	-0.06	0.63	-9.24e-04	-1.56e-03	0.0	-3.50e-05
1046	145	0.47	0.11	-4.33e-03	-2.73e-04	0.0	-3.80e-05
1046	168	-0.07	0.71	-8.76e-04	-1.76e-03	0.0	-3.99e-05
1046	177	0.47	0.11	-4.30e-03	-2.72e-04	0.0	-3.77e-05
1046	200	-0.06	0.71	-8.94e-04	-1.75e-03	0.0	-4.02e-05
1046	209	0.55	0.13	-4.81e-03	-3.20e-04	0.0	-4.46e-05
1046	232	-0.07	0.83	-8.42e-04	-2.06e-03	0.0	-4.84e-05
1047	1	0.0	0.0	0.0	-1.43e-04	0.0	0.0
1047	65	0.0	0.0	0.0	-9.60e-05	0.0	0.0
1047	97	0.0	0.0	0.0	-3.66e-06	0.0	0.0
1047	106	0.0	0.0	0.0	-3.66e-06	0.0	0.0
1047	108	0.0	0.0	0.0	-1.03e-03	0.0	-4.48e-06
1047	140	0.0	0.0	0.0	-1.15e-03	0.0	-5.11e-06
1047	172	0.0	0.0	0.0	-1.14e-03	0.0	-5.06e-06
1047	204	0.0	0.0	0.0	-1.33e-03	0.0	-6.02e-06
1048	4	4.26e-03	0.11	-3.13e-03	-1.40e-04	0.0	1.26e-05
1048	41	2.16e-03	-0.19	-4.03e-03	2.31e-04	0.0	3.23e-06
1048	45	1.47e-03	-0.19	-3.19e-03	2.32e-04	0.0	1.56e-06
1048	68	2.98e-03	0.07	-2.53e-03	-9.33e-05	0.0	8.84e-06
1048	85	1.58e-03	-0.12	-3.13e-03	1.54e-04	0.0	2.59e-06
1048	98	2.46e-03	8.87e-04	-2.75e-03	-1.87e-06	0.0	5.49e-06
1048	103	2.34e-03	0.03	-2.79e-03	-3.22e-05	0.0	6.19e-06
1048	104	1.59e-03	-0.02	-3.10e-03	2.97e-05	0.0	3.93e-06
1048	106	1.59e-03	6.74e-04	-3.09e-03	-1.43e-06	0.0	4.27e-06
1048	107	2.34e-03	8.57e-04	-2.80e-03	-1.81e-06	0.0	5.31e-06
1048	113	0.85	0.23	0.08	-2.86e-04	0.0	-6.89e-05
1048	115	-0.66	-0.90	-0.11	1.10e-03	0.0	1.09e-04
1048	136	-0.12	1.29	0.06	-1.58e-03	0.0	-7.03e-05
1048	145	0.95	0.26	0.09	-3.22e-04	0.0	-7.83e-05
1048	147	-0.75	-1.01	-0.13	1.24e-03	0.0	1.22e-04
1048	168	-0.13	1.45	0.07	-1.78e-03	0.0	-8.00e-05
1048	177	0.94	0.26	0.09	-3.21e-04	0.0	-7.76e-05
1048	179	-0.74	-1.00	-0.13	1.24e-03	0.0	1.21e-04
1048	200	-0.13	1.44	0.07	-1.78e-03	0.0	-8.07e-05
1048	209	1.10	0.31	0.11	-3.78e-04	0.0	-9.18e-05
1048	211	-0.87	-1.18	-0.15	1.45e-03	0.0	1.41e-04
1048	232	-0.14	1.69	0.08	-2.08e-03	0.0	-9.72e-05
1049	4	4.24e-03	0.12	-2.93e-03	-1.45e-04	0.0	1.27e-05
1049	18	3.69e-03	0.19	-2.96e-03	-2.37e-04	0.0	1.46e-05
1049	41	2.14e-03	-0.18	-3.07e-03	2.30e-04	0.0	3.25e-06
1049	68	2.97e-03	0.08	-2.27e-03	-9.73e-05	0.0	8.91e-06
1049	75	2.60e-03	0.13	-2.29e-03	-1.58e-04	0.0	1.01e-05
1049	85	1.57e-03	-0.12	-2.37e-03	1.53e-04	0.0	2.61e-06
1049	98	2.44e-03	3.76e-03	-2.31e-03	-4.40e-06	0.0	5.52e-06
1049	103	2.32e-03	0.03	-2.31e-03	-3.50e-05	0.0	6.23e-06
1049	104	1.57e-03	-0.02	-2.36e-03	2.79e-05	0.0	3.96e-06
1049	106	1.57e-03	2.91e-03	-2.36e-03	-3.40e-06	0.0	4.29e-06
1049	107	2.32e-03	3.63e-03	-2.32e-03	-4.25e-06	0.0	5.35e-06
1049	113	0.85	0.19	-3.71e-03	-2.42e-04	0.0	-6.89e-05
1049	136	-0.12	1.25	-2.08e-03	-1.55e-03	0.0	-7.04e-05
1049	145	0.95	0.22	-3.88e-03	-2.72e-04	0.0	-7.82e-05
1049	168	-0.13	1.41	-2.06e-03	-1.75e-03	0.0	-8.01e-05
1049	177	0.94	0.22	-3.86e-03	-2.71e-04	0.0	-7.76e-05
1049	200	-0.13	1.41	-2.07e-03	-1.74e-03	0.0	-8.09e-05
1049	209	1.11	0.26	-4.12e-03	-3.20e-04	0.0	-9.17e-05
1049	232	-0.14	1.65	-2.03e-03	-2.04e-03	0.0	-9.73e-05
1050	4	7.08e-03	0.17	-4.61e-03	-1.41e-04	0.0	1.72e-05
1050	41	3.48e-03	-0.28	-5.87e-03	2.31e-04	0.0	4.31e-06
1050	45	2.35e-03	-0.28	-4.64e-03	2.32e-04	0.0	2.02e-06

1050	68	4.95e-03	0.11	-3.71e-03	-9.39e-05	0.0	1.21e-05
1050	85	2.55e-03	-0.19	-4.55e-03	1.54e-04	0.0	3.47e-06
1050	98	4.06e-03	1.54e-03	-4.02e-03	-2.23e-06	0.0	7.50e-06
1050	103	3.86e-03	0.04	-4.07e-03	-3.26e-05	0.0	8.45e-06
1050	104	2.58e-03	-0.04	-4.50e-03	2.94e-05	0.0	5.36e-06
1050	106	2.59e-03	1.17e-03	-4.49e-03	-1.71e-06	0.0	5.83e-06
1050	107	3.85e-03	1.48e-03	-4.08e-03	-2.16e-06	0.0	7.26e-06
1050	111	-1.27	-1.29	-0.14	1.05e-03	0.0	1.54e-04
1050	113	1.28	0.35	0.10	-2.85e-04	0.0	-1.03e-04
1050	136	-0.18	1.92	0.07	-1.56e-03	0.0	-1.02e-04
1050	143	-1.43	-1.45	-0.16	1.19e-03	0.0	1.72e-04
1050	145	1.44	0.39	0.12	-3.21e-04	0.0	-1.17e-04
1050	168	-0.20	2.16	0.08	-1.76e-03	0.0	-1.16e-04
1050	177	1.43	0.39	0.12	-3.20e-04	0.0	-1.16e-04
1050	179	-1.12	-1.50	-0.16	1.22e-03	0.0	1.78e-04
1050	200	-0.19	2.15	0.08	-1.75e-03	0.0	-1.17e-04
1050	209	1.67	0.46	0.14	-3.77e-04	0.0	-1.37e-04
1050	211	-1.31	-1.75	-0.18	1.43e-03	0.0	2.07e-04
1050	232	-0.21	2.52	0.10	-2.05e-03	0.0	-1.41e-04
1051	4	7.01e-03	0.17	-3.93e-03	-1.45e-04	0.0	1.73e-05
1051	18	6.12e-03	0.28	-3.97e-03	-2.36e-04	0.0	1.99e-05
1051	41	3.44e-03	-0.28	-4.13e-03	2.30e-04	0.0	4.34e-06
1051	68	4.90e-03	0.12	-3.05e-03	-9.68e-05	0.0	1.22e-05
1051	75	4.30e-03	0.19	-3.08e-03	-1.58e-04	0.0	1.39e-05
1051	85	2.51e-03	-0.18	-3.19e-03	1.53e-04	0.0	3.50e-06
1051	98	4.01e-03	5.46e-03	-3.10e-03	-4.02e-06	0.0	7.55e-06
1051	103	3.82e-03	0.04	-3.11e-03	-3.46e-05	0.0	8.51e-06
1051	104	2.55e-03	-0.03	-3.18e-03	2.81e-05	0.0	5.39e-06
1051	106	2.56e-03	4.22e-03	-3.17e-03	-3.10e-06	0.0	5.87e-06
1051	107	3.80e-03	5.28e-03	-3.11e-03	-3.89e-06	0.0	7.31e-06
1051	111	-1.27	-1.22	-5.67e-03	9.98e-04	0.0	1.54e-04
1051	113	1.28	0.29	-1.09e-03	-2.41e-04	0.0	-1.03e-04
1051	136	-0.18	1.87	-1.71e-03	-1.53e-03	0.0	-1.02e-04
1051	143	-1.43	-1.37	-5.99e-03	1.12e-03	0.0	1.72e-04
1051	145	1.44	0.33	-8.30e-04	-2.71e-04	0.0	-1.17e-04
1051	168	-0.20	2.11	-1.53e-03	-1.72e-03	0.0	-1.16e-04
1051	175	-1.42	-1.35	-5.97e-03	1.11e-03	0.0	1.71e-04
1051	177	1.43	0.33	-8.52e-04	-2.70e-04	0.0	-1.16e-04
1051	200	-0.19	2.10	-1.52e-03	-1.72e-03	0.0	-1.17e-04
1051	207	-1.66	-1.58	-6.46e-03	1.30e-03	0.0	1.99e-04
1051	209	1.67	0.38	-4.64e-04	-3.18e-04	0.0	-1.37e-04
1051	232	-0.21	2.46	-1.23e-03	-2.01e-03	0.0	-1.41e-04
1052	4	1.74e-03	0.06	-1.67e-03	-1.54e-04	0.0	6.93e-06
1052	18	1.51e-03	0.10	-1.66e-03	-2.47e-04	0.0	7.96e-06
1052	28	1.76e-03	-0.05	-1.67e-03	1.29e-04	0.0	3.93e-06
1052	68	1.22e-03	0.04	-1.28e-03	-1.03e-04	0.0	4.86e-06
1052	75	1.07e-03	0.07	-1.27e-03	-1.65e-04	0.0	5.54e-06
1052	80	1.24e-03	-0.03	-1.28e-03	8.52e-05	0.0	2.86e-06
1052	98	1.02e-03	3.46e-03	-1.27e-03	-8.05e-06	0.0	2.99e-06
1052	103	9.69e-04	0.02	-1.27e-03	-3.91e-05	0.0	3.38e-06
1052	107	9.71e-04	3.35e-03	-1.27e-03	-7.79e-06	0.0	2.90e-06
1052	113	0.42	0.08	6.49e-04	-1.94e-04	0.0	-3.32e-05
1052	114	-0.42	-0.07	-3.18e-03	1.79e-04	0.0	3.90e-05
1052	136	-0.06	0.61	-1.55e-03	-1.52e-03	0.0	-3.51e-05
1052	145	0.47	0.09	8.91e-04	-2.18e-04	0.0	-3.78e-05
1052	146	-0.47	-0.08	-3.42e-03	2.03e-04	0.0	4.36e-05
1052	168	-0.07	0.69	-1.59e-03	-1.72e-03	0.0	-4.00e-05
1052	177	0.47	0.09	8.71e-04	-2.18e-04	0.0	-3.75e-05
1052	178	-0.47	-0.08	-3.40e-03	2.03e-04	0.0	4.33e-05
1052	200	-0.06	0.69	-1.57e-03	-1.71e-03	0.0	-4.04e-05
1052	209	0.55	0.10	1.24e-03	-2.57e-04	0.0	-4.43e-05
1052	210	-0.55	-0.10	-3.77e-03	2.41e-04	0.0	5.01e-05
1052	232	-0.07	0.80	-1.61e-03	-2.00e-03	0.0	-4.86e-05
1053	1	0.0	0.0	0.0	-1.50e-04	0.0	0.0
1053	65	0.0	0.0	0.0	-1.01e-04	0.0	0.0
1053	97	0.0	0.0	0.0	-6.45e-06	0.0	0.0
1053	106	0.0	0.0	0.0	-6.45e-06	0.0	0.0
1053	108	0.0	0.0	0.0	-9.66e-04	0.0	-4.54e-06
1053	140	0.0	0.0	0.0	-1.09e-03	0.0	-5.18e-06
1053	172	0.0	0.0	0.0	-1.07e-03	0.0	-5.13e-06
1053	204	0.0	0.0	0.0	-1.25e-03	0.0	-6.10e-06
1054	4	4.21e-03	0.12	-2.91e-03	-1.52e-04	0.0	1.29e-05
1054	18	3.66e-03	0.20	-2.89e-03	-2.45e-04	0.0	1.48e-05
1054	68	2.94e-03	0.08	-2.23e-03	-1.02e-04	0.0	9.07e-06
1054	75	2.58e-03	0.13	-2.21e-03	-1.64e-04	0.0	1.03e-05

1054	98	2.42e-03	6.68e-03	-2.20e-03	-7.26e-06	0.0	5.60e-06
1054	103	2.30e-03	0.03	-2.20e-03	-3.82e-05	0.0	6.32e-06
1054	107	2.30e-03	6.47e-03	-2.20e-03	-7.02e-06	0.0	5.42e-06
1054	113	0.85	0.16	6.86e-04	-1.93e-04	0.0	-6.86e-05
1054	114	-0.84	-0.14	-5.08e-03	1.79e-04	0.0	7.94e-05
1054	136	-0.12	1.22	-2.62e-03	-1.52e-03	0.0	-7.05e-05
1054	145	0.95	0.18	1.05e-03	-2.17e-04	0.0	-7.80e-05
1054	146	-0.95	-0.16	-5.45e-03	2.03e-04	0.0	8.88e-05
1054	168	-0.13	1.38	-2.67e-03	-1.71e-03	0.0	-8.03e-05
1054	177	0.95	0.17	1.02e-03	-2.17e-04	0.0	-7.73e-05
1054	178	-0.94	-0.16	-5.42e-03	2.03e-04	0.0	8.81e-05
1054	200	-0.13	1.37	-2.65e-03	-1.70e-03	0.0	-8.11e-05
1054	209	1.11	0.21	1.57e-03	-2.56e-04	0.0	-9.13e-05
1054	210	-1.10	-0.19	-5.97e-03	2.42e-04	0.0	1.02e-04
1054	232	-0.14	1.60	-2.71e-03	-1.99e-03	0.0	-9.75e-05
1055	4	6.97e-03	0.18	-3.88e-03	-1.49e-04	0.0	1.77e-05
1055	18	6.08e-03	0.30	-3.86e-03	-2.42e-04	0.0	2.03e-05
1055	68	4.87e-03	0.12	-2.97e-03	-1.00e-04	0.0	1.24e-05
1055	75	4.27e-03	0.20	-2.95e-03	-1.62e-04	0.0	1.41e-05
1055	98	3.98e-03	9.46e-03	-2.94e-03	-6.04e-06	0.0	7.66e-06
1055	103	3.79e-03	0.05	-2.93e-03	-3.69e-05	0.0	8.66e-06
1055	107	3.77e-03	9.15e-03	-2.93e-03	-5.85e-06	0.0	7.42e-06
1055	113	1.28	0.23	3.89e-04	-1.92e-04	0.0	-1.03e-04
1055	114	-1.27	-0.21	-6.25e-03	1.80e-04	0.0	1.18e-04
1055	136	-0.18	1.83	-3.41e-03	-1.50e-03	0.0	-1.01e-04
1055	145	1.44	0.26	8.09e-04	-2.16e-04	0.0	-1.17e-04
1055	146	-1.43	-0.24	-6.67e-03	2.04e-04	0.0	1.32e-04
1055	168	-0.20	2.06	-3.47e-03	-1.69e-03	0.0	-1.15e-04
1055	177	1.43	0.26	7.75e-04	-2.15e-04	0.0	-1.16e-04
1055	178	-1.42	-0.24	-6.63e-03	2.04e-04	0.0	1.31e-04
1055	200	-0.19	2.05	-3.45e-03	-1.68e-03	0.0	-1.16e-04
1055	209	1.67	0.31	1.41e-03	-2.54e-04	0.0	-1.37e-04
1055	210	-1.66	-0.29	-7.27e-03	2.42e-04	0.0	1.52e-04
1055	232	-0.21	2.40	-3.51e-03	-1.97e-03	0.0	-1.40e-04
1056	4	1.67e-03	0.07	-2.16e-03	-1.62e-04	0.0	6.87e-06
1056	18	1.44e-03	0.10	-2.09e-03	-2.56e-04	0.0	7.91e-06
1056	28	1.70e-03	-0.05	-2.11e-03	1.24e-04	0.0	3.87e-06
1056	68	1.17e-03	0.04	-1.61e-03	-1.09e-04	0.0	4.81e-06
1056	75	1.02e-03	0.07	-1.57e-03	-1.72e-04	0.0	5.50e-06
1056	80	1.19e-03	-0.03	-1.58e-03	8.19e-05	0.0	2.81e-06
1056	98	9.77e-04	5.04e-03	-1.52e-03	-1.16e-05	0.0	2.94e-06
1056	103	9.26e-04	0.02	-1.51e-03	-4.31e-05	0.0	3.33e-06
1056	107	9.28e-04	4.88e-03	-1.50e-03	-1.12e-05	0.0	2.84e-06
1056	113	0.42	0.06	-1.72e-03	-1.48e-04	0.0	-3.31e-05
1056	136	-0.06	0.60	-1.46e-03	-1.49e-03	0.0	-3.52e-05
1056	145	0.47	0.07	-1.75e-03	-1.66e-04	0.0	-3.76e-05
1056	168	-0.07	0.67	-1.45e-03	-1.67e-03	0.0	-4.01e-05
1056	177	0.47	0.07	-1.74e-03	-1.66e-04	0.0	-3.73e-05
1056	200	-0.06	0.67	-1.45e-03	-1.66e-03	0.0	-4.05e-05
1056	209	0.55	0.08	-1.78e-03	-1.95e-04	0.0	-4.41e-05
1056	232	-0.07	0.78	-1.45e-03	-1.95e-03	0.0	-4.87e-05
1057	1	0.0	0.0	0.0	-1.56e-04	0.0	0.0
1057	65	0.0	0.0	0.0	-1.05e-04	0.0	0.0
1057	97	0.0	0.0	0.0	-9.33e-06	0.0	0.0
1057	106	0.0	0.0	0.0	-9.33e-06	0.0	0.0
1057	108	0.0	0.0	0.0	-9.08e-04	0.0	-4.52e-06
1057	140	0.0	0.0	0.0	-1.02e-03	0.0	-5.16e-06
1057	172	0.0	0.0	0.0	-1.01e-03	0.0	-5.11e-06
1057	204	0.0	0.0	0.0	-1.17e-03	0.0	-6.08e-06
1058	4	4.18e-03	0.13	-3.83e-03	-1.59e-04	0.0	1.29e-05
1058	18	3.63e-03	0.21	-3.70e-03	-2.52e-04	0.0	1.48e-05
1058	68	2.92e-03	0.09	-2.86e-03	-1.07e-04	0.0	9.02e-06
1058	75	2.55e-03	0.14	-2.77e-03	-1.69e-04	0.0	1.03e-05
1058	98	2.40e-03	9.68e-03	-2.69e-03	-1.02e-05	0.0	5.51e-06
1058	103	2.28e-03	0.03	-2.66e-03	-4.16e-05	0.0	6.25e-06
1058	107	2.27e-03	9.37e-03	-2.65e-03	-9.91e-06	0.0	5.33e-06
1058	108	0.85	0.73	-2.92e-03	-9.04e-04	0.0	-9.36e-05
1058	113	0.85	0.12	-2.87e-03	-1.46e-04	0.0	-6.83e-05
1058	136	-0.12	1.19	-2.79e-03	-1.48e-03	0.0	-7.02e-05
1058	140	0.95	0.82	-2.95e-03	-1.02e-03	0.0	-1.06e-04
1058	145	0.95	0.13	-2.89e-03	-1.64e-04	0.0	-7.76e-05
1058	168	-0.13	1.34	-2.80e-03	-1.67e-03	0.0	-7.99e-05
1058	172	0.95	0.81	-2.93e-03	-1.00e-03	0.0	-1.05e-04
1058	177	0.95	0.13	-2.87e-03	-1.64e-04	0.0	-7.69e-05
1058	200	-0.13	1.33	-2.80e-03	-1.66e-03	0.0	-8.07e-05

1058	204	1.11	0.94	-2.97e-03	-1.17e-03	0.0	-1.24e-04
1058	209	1.11	0.16	-2.90e-03	-1.94e-04	0.0	-9.09e-05
1058	232	-0.14	1.56	-2.82e-03	-1.94e-03	0.0	-9.71e-05
1059	4	6.93e-03	0.19	-5.22e-03	-1.54e-04	0.0	1.77e-05
1059	18	6.04e-03	0.31	-5.03e-03	-2.47e-04	0.0	2.04e-05
1059	68	4.84e-03	0.13	-3.89e-03	-1.03e-04	0.0	1.24e-05
1059	75	4.24e-03	0.21	-3.76e-03	-1.65e-04	0.0	1.42e-05
1059	98	3.95e-03	0.01	-3.64e-03	-8.17e-06	0.0	7.59e-06
1059	103	3.76e-03	0.05	-3.60e-03	-3.93e-05	0.0	8.60e-06
1059	107	3.74e-03	0.01	-3.59e-03	-7.91e-06	0.0	7.34e-06
1059	108	1.28	1.09	-3.88e-03	-8.99e-04	0.0	-1.38e-04
1059	113	1.28	0.18	-3.80e-03	-1.44e-04	0.0	-1.02e-04
1059	136	-0.18	1.78	-3.76e-03	-1.47e-03	0.0	-9.97e-05
1059	140	1.44	1.22	-3.91e-03	-1.01e-03	0.0	-1.56e-04
1059	145	1.44	0.20	-3.82e-03	-1.62e-04	0.0	-1.16e-04
1059	168	-0.20	2.01	-3.78e-03	-1.66e-03	0.0	-1.14e-04
1059	172	1.43	1.21	-3.87e-03	-9.99e-04	0.0	-1.55e-04
1059	177	1.43	0.20	-3.79e-03	-1.62e-04	0.0	-1.15e-04
1059	200	-0.19	2.00	-3.77e-03	-1.65e-03	0.0	-1.15e-04
1059	204	1.67	1.41	-3.91e-03	-1.16e-03	0.0	-1.83e-04
1059	209	1.67	0.23	-3.82e-03	-1.91e-04	0.0	-1.36e-04
1059	232	-0.21	2.33	-3.80e-03	-1.93e-03	0.0	-1.38e-04
1060	4	1.62e-03	0.07	-4.89e-03	-1.70e-04	0.0	6.14e-06
1060	18	1.39e-03	0.11	-4.52e-03	-2.65e-04	0.0	7.10e-06
1060	28	1.65e-03	-0.05	-4.62e-03	1.20e-04	0.0	3.43e-06
1060	68	1.13e-03	0.05	-3.51e-03	-1.15e-04	0.0	4.29e-06
1060	75	9.82e-04	0.07	-3.26e-03	-1.78e-04	0.0	4.93e-06
1060	80	1.16e-03	-0.03	-3.33e-03	7.86e-05	0.0	2.49e-06
1060	98	9.44e-04	6.58e-03	-3.02e-03	-1.51e-05	0.0	2.59e-06
1060	103	8.93e-04	0.02	-2.94e-03	-4.70e-05	0.0	2.95e-06
1060	107	8.95e-04	6.37e-03	-2.91e-03	-1.46e-05	0.0	2.50e-06
1060	113	0.42	0.04	-2.87e-03	-1.01e-04	0.0	-3.32e-05
1060	136	-0.06	0.58	-3.86e-03	-1.45e-03	0.0	-3.47e-05
1060	145	0.47	0.05	-2.87e-03	-1.13e-04	0.0	-3.77e-05
1060	168	-0.07	0.65	-3.98e-03	-1.63e-03	0.0	-3.95e-05
1060	177	0.47	0.05	-2.86e-03	-1.13e-04	0.0	-3.74e-05
1060	200	-0.06	0.65	-3.97e-03	-1.62e-03	0.0	-3.99e-05
1060	209	0.55	0.05	-2.86e-03	-1.33e-04	0.0	-4.42e-05
1060	232	-0.07	0.76	-4.15e-03	-1.89e-03	0.0	-4.80e-05
1061	1	0.0	0.0	0.0	-1.63e-04	0.0	0.0
1061	65	0.0	0.0	0.0	-1.10e-04	0.0	0.0
1061	97	0.0	0.0	0.0	-1.21e-05	0.0	0.0
1061	106	0.0	0.0	0.0	-1.21e-05	0.0	0.0
1061	108	0.0	0.0	0.0	-8.50e-04	0.0	-4.52e-06
1061	140	0.0	0.0	0.0	-9.55e-04	0.0	-5.15e-06
1061	172	0.0	0.0	0.0	-9.43e-04	0.0	-5.10e-06
1061	204	0.0	0.0	0.0	-1.10e-03	0.0	-6.06e-06
1062	4	4.17e-03	0.14	-8.99e-03	-1.66e-04	0.0	1.17e-05
1062	18	3.62e-03	0.21	-8.27e-03	-2.61e-04	0.0	1.35e-05
1062	68	2.91e-03	0.09	-6.44e-03	-1.12e-04	0.0	8.16e-06
1062	75	2.54e-03	0.14	-5.96e-03	-1.75e-04	0.0	9.39e-06
1062	98	2.38e-03	0.01	-5.51e-03	-1.32e-05	0.0	4.90e-06
1062	103	2.26e-03	0.04	-5.37e-03	-4.50e-05	0.0	5.60e-06
1062	107	2.26e-03	0.01	-5.32e-03	-1.28e-05	0.0	4.74e-06
1062	113	0.85	0.08	-5.28e-03	-9.93e-05	0.0	-6.84e-05
1062	136	-0.12	1.16	-6.83e-03	-1.45e-03	0.0	-6.84e-05
1062	145	0.96	0.09	-5.27e-03	-1.11e-04	0.0	-7.76e-05
1062	168	-0.13	1.30	-7.02e-03	-1.63e-03	0.0	-7.78e-05
1062	177	0.95	0.09	-5.26e-03	-1.12e-04	0.0	-7.69e-05
1062	200	-0.13	1.30	-7.00e-03	-1.62e-03	0.0	-7.87e-05
1062	209	1.11	0.11	-5.26e-03	-1.31e-04	0.0	-9.08e-05
1062	232	-0.14	1.51	-7.29e-03	-1.89e-03	0.0	-9.47e-05
1063	4	6.91e-03	0.20	-0.01	-1.59e-04	0.0	1.62e-05
1063	18	6.01e-03	0.32	-0.01	-2.53e-04	0.0	1.88e-05
1063	68	4.82e-03	0.14	-9.02e-03	-1.07e-04	0.0	1.14e-05
1063	75	4.22e-03	0.21	-8.32e-03	-1.69e-04	0.0	1.31e-05
1063	98	3.93e-03	0.02	-7.69e-03	-1.04e-05	0.0	6.81e-06
1063	103	3.73e-03	0.06	-7.49e-03	-4.18e-05	0.0	7.78e-06
1063	107	3.72e-03	0.02	-7.41e-03	-1.00e-05	0.0	6.59e-06
1063	113	1.28	0.12	-7.38e-03	-9.62e-05	0.0	-1.02e-04
1063	132	-0.11	1.74	-9.29e-03	-1.45e-03	0.0	-9.58e-05
1063	136	-0.18	1.74	-9.29e-03	-1.45e-03	0.0	-9.64e-05
1063	145	1.44	0.13	-7.37e-03	-1.08e-04	0.0	-1.16e-04
1063	164	-0.12	1.95	-9.53e-03	-1.63e-03	0.0	-1.09e-04
1063	168	-0.20	1.96	-9.53e-03	-1.63e-03	0.0	-1.10e-04

1063	177	1.43	0.14	-7.36e-03	-1.08e-04	0.0	-1.15e-04
1063	200	-0.19	1.94	-9.51e-03	-1.62e-03	0.0	-1.11e-04
1063	209	1.67	0.16	-7.36e-03	-1.28e-04	0.0	-1.36e-04
1063	232	-0.21	2.27	-9.86e-03	-1.89e-03	0.0	-1.34e-04
1064	4	1.74e-03	0.07	-0.02	-1.77e-04	0.0	4.08e-06
1064	18	1.49e-03	0.11	-0.02	-2.74e-04	0.0	4.77e-06
1064	28	1.76e-03	-0.05	-0.02	1.16e-04	0.0	2.23e-06
1064	68	1.21e-03	0.05	-0.01	-1.20e-04	0.0	2.85e-06
1064	75	1.05e-03	0.07	-0.01	-1.84e-04	0.0	3.31e-06
1064	80	1.23e-03	-0.03	-0.01	7.58e-05	0.0	1.62e-06
1064	98	1.00e-03	7.87e-03	-0.01	-1.80e-05	0.0	1.68e-06
1064	103	9.48e-04	0.02	-0.01	-5.04e-05	0.0	1.94e-06
1064	107	9.50e-04	7.62e-03	-0.01	-1.74e-05	0.0	1.63e-06
1064	113	0.42	0.02	-0.01	-5.44e-05	0.0	-3.38e-05
1064	124	0.26	0.53	-0.01	-1.34e-03	0.0	-2.70e-05
1064	136	-0.06	0.56	-0.01	-1.41e-03	0.0	-3.25e-05
1064	145	0.47	0.02	-0.01	-5.96e-05	0.0	-3.83e-05
1064	156	0.29	0.60	-0.01	-1.50e-03	0.0	-3.06e-05
1064	168	-0.07	0.63	-0.01	-1.59e-03	0.0	-3.69e-05
1064	177	0.47	0.03	-0.01	-6.10e-05	0.0	-3.80e-05
1064	188	0.29	0.59	-0.01	-1.47e-03	0.0	-3.02e-05
1064	200	-0.06	0.63	-0.01	-1.58e-03	0.0	-3.74e-05
1064	209	0.55	0.03	-0.01	-7.14e-05	0.0	-4.47e-05
1064	220	0.34	0.68	-0.01	-1.71e-03	0.0	-3.57e-05
1064	232	-0.07	0.73	-0.01	-1.84e-03	0.0	-4.49e-05
1065	1	0.0	0.0	0.0	-1.69e-04	0.0	0.0
1065	65	0.0	0.0	0.0	-1.14e-04	0.0	0.0
1065	97	0.0	0.0	0.0	-1.45e-05	0.0	0.0
1065	106	0.0	0.0	0.0	-1.45e-05	0.0	0.0
1065	108	0.0	0.0	0.0	-7.92e-04	0.0	-4.49e-06
1065	140	0.0	0.0	0.0	-8.90e-04	0.0	-5.09e-06
1065	172	0.0	0.0	0.0	-8.79e-04	0.0	-5.06e-06
1065	204	0.0	0.0	0.0	-1.02e-03	0.0	-5.98e-06
1066	4	4.31e-03	0.14	-0.04	-1.72e-04	0.0	8.09e-06
1066	18	3.74e-03	0.22	-0.03	-2.68e-04	0.0	9.48e-06
1066	68	3.01e-03	0.10	-0.02	-1.16e-04	0.0	5.64e-06
1066	75	2.63e-03	0.15	-0.02	-1.80e-04	0.0	6.57e-06
1066	98	2.46e-03	0.02	-0.02	-1.58e-05	0.0	3.28e-06
1066	103	2.33e-03	0.04	-0.02	-4.80e-05	0.0	3.79e-06
1066	107	2.32e-03	0.01	-0.02	-1.53e-05	0.0	3.16e-06
1066	113	0.85	0.04	-0.02	-5.22e-05	0.0	-6.93e-05
1066	124	0.53	1.07	-0.02	-1.34e-03	0.0	-5.31e-05
1066	136	-0.12	1.13	-0.02	-1.42e-03	0.0	-6.26e-05
1066	145	0.96	0.05	-0.02	-5.73e-05	0.0	-7.84e-05
1066	156	0.59	1.20	-0.02	-1.51e-03	0.0	-6.03e-05
1066	168	-0.13	1.27	-0.02	-1.60e-03	0.0	-7.12e-05
1066	177	0.95	0.05	-0.02	-5.87e-05	0.0	-7.77e-05
1066	188	0.59	1.18	-0.02	-1.48e-03	0.0	-5.97e-05
1066	200	-0.13	1.26	-0.02	-1.58e-03	0.0	-7.22e-05
1066	209	1.11	0.06	-0.02	-6.91e-05	0.0	-9.15e-05
1066	224	0.64	1.37	-0.02	-1.73e-03	0.0	-7.34e-05
1066	232	-0.14	1.47	-0.02	-1.85e-03	0.0	-8.68e-05
1067	4	7.02e-03	0.21	-0.05	-1.64e-04	0.0	1.14e-05
1067	18	6.11e-03	0.33	-0.04	-2.58e-04	0.0	1.34e-05
1067	68	4.89e-03	0.14	-0.03	-1.10e-04	0.0	7.97e-06
1067	75	4.28e-03	0.22	-0.03	-1.73e-04	0.0	9.30e-06
1067	98	3.98e-03	0.02	-0.03	-1.24e-05	0.0	4.59e-06
1067	103	3.78e-03	0.06	-0.03	-4.40e-05	0.0	5.33e-06
1067	107	3.77e-03	0.02	-0.03	-1.20e-05	0.0	4.43e-06
1067	113	1.28	0.06	-0.03	-4.85e-05	0.0	-1.03e-04
1067	124	0.80	1.61	-0.03	-1.35e-03	0.0	-7.73e-05
1067	136	-0.18	1.70	-0.03	-1.42e-03	0.0	-8.88e-05
1067	145	1.44	0.07	-0.03	-5.36e-05	0.0	-1.17e-04
1067	156	0.90	1.80	-0.03	-1.51e-03	0.0	-8.77e-05
1067	168	-0.20	1.91	-0.03	-1.60e-03	0.0	-1.01e-04
1067	177	1.43	0.07	-0.03	-5.51e-05	0.0	-1.16e-04
1067	188	0.89	1.77	-0.03	-1.49e-03	0.0	-8.72e-05
1067	200	-0.19	1.90	-0.03	-1.59e-03	0.0	-1.03e-04
1067	209	1.67	0.09	-0.03	-6.54e-05	0.0	-1.36e-04
1067	232	-0.21	2.21	-0.04	-1.86e-03	0.0	-1.23e-04
1068	4	2.59e-03	0.07	-0.08	-1.81e-04	0.0	0.0
1068	18	2.25e-03	0.11	-0.07	-2.79e-04	0.0	0.0
1068	68	1.80e-03	0.05	-0.05	-1.22e-04	0.0	0.0
1068	75	1.58e-03	0.08	-0.05	-1.87e-04	0.0	0.0
1068	98	1.46e-03	8.54e-03	-0.04	-1.96e-05	0.0	0.0

1068	103	1.38e-03	0.02	-0.04	-5.23e-05	0.0	0.0
1068	107	1.38e-03	8.27e-03	-0.04	-1.90e-05	0.0	0.0
1068	113	0.42	3.22e-03	-0.04	-6.27e-06	0.0	-3.42e-05
1068	136	-0.06	0.55	-0.08	-1.38e-03	0.0	-2.60e-05
1068	145	0.48	2.78e-03	-0.04	-5.17e-06	0.0	-3.85e-05
1068	168	-0.06	0.62	-0.08	-1.56e-03	0.0	-2.93e-05
1068	177	0.47	3.58e-03	-0.04	-7.17e-06	0.0	-3.82e-05
1068	200	-0.06	0.61	-0.08	-1.54e-03	0.0	-2.97e-05
1068	209	0.55	3.97e-03	-0.04	-8.14e-06	0.0	-4.47e-05
1068	232	-0.07	0.71	-0.09	-1.80e-03	0.0	-3.55e-05
1069	1	0.0	0.0	0.0	-1.72e-04	0.0	0.0
1069	65	0.0	0.0	0.0	-1.16e-04	0.0	0.0
1069	97	0.0	0.0	0.0	-1.57e-05	0.0	0.0
1069	106	0.0	0.0	0.0	-1.57e-05	0.0	0.0
1069	108	0.0	0.0	0.0	-7.37e-04	0.0	-3.54e-06
1069	140	0.0	0.0	0.0	-8.27e-04	0.0	-3.98e-06
1069	172	0.0	0.0	0.0	-8.16e-04	0.0	-3.95e-06
1069	204	0.0	0.0	0.0	-9.49e-04	0.0	-4.62e-06
1070	4	5.21e-03	0.15	-0.14	-1.76e-04	0.0	0.0
1070	18	4.54e-03	0.23	-0.13	-2.73e-04	0.0	1.09e-06
1070	68	3.63e-03	0.10	-0.10	-1.19e-04	0.0	0.0
1070	75	3.18e-03	0.15	-0.09	-1.83e-04	0.0	0.0
1070	98	2.94e-03	0.02	-0.07	-1.73e-05	0.0	0.0
1070	103	2.79e-03	0.04	-0.07	-4.97e-05	0.0	0.0
1070	107	2.78e-03	0.02	-0.07	-1.67e-05	0.0	0.0
1070	113	0.85	6.06e-03	-0.07	-3.94e-06	0.0	-7.00e-05
1070	136	-0.12	1.11	-0.14	-1.40e-03	0.0	-5.32e-05
1070	145	0.96	5.19e-03	-0.07	-2.84e-06	0.0	-7.89e-05
1070	168	-0.13	1.24	-0.14	-1.57e-03	0.0	-6.01e-05
1070	177	0.95	6.79e-03	-0.07	-4.83e-06	0.0	-7.83e-05
1070	200	-0.13	1.23	-0.14	-1.56e-03	0.0	-6.09e-05
1070	209	1.11	7.57e-03	-0.07	-5.81e-06	0.0	-9.16e-05
1070	232	-0.14	1.44	-0.16	-1.82e-03	0.0	-7.27e-05
1071	4	7.87e-03	0.22	-0.19	-1.67e-04	0.0	1.05e-06
1071	18	6.86e-03	0.33	-0.18	-2.62e-04	0.0	1.65e-06
1071	68	5.48e-03	0.15	-0.13	-1.12e-04	0.0	0.0
1071	75	4.80e-03	0.22	-0.12	-1.76e-04	0.0	1.09e-06
1071	98	4.44e-03	0.02	-0.10	-1.35e-05	0.0	0.0
1071	103	4.22e-03	0.06	-0.10	-4.54e-05	0.0	0.0
1071	107	4.20e-03	0.02	-0.10	-1.31e-05	0.0	0.0
1071	113	1.28	7.33e-03	-0.10	0.0	0.0	-1.04e-04
1071	132	-0.11	1.66	-0.19	-1.40e-03	0.0	-7.85e-05
1071	136	-0.18	1.67	-0.19	-1.40e-03	0.0	-7.92e-05
1071	145	1.44	6.01e-03	-0.10	0.0	0.0	-1.18e-04
1071	168	-0.20	1.87	-0.20	-1.58e-03	0.0	-8.95e-05
1071	177	1.43	8.41e-03	-0.10	-1.04e-06	0.0	-1.17e-04
1071	200	-0.19	1.86	-0.20	-1.57e-03	0.0	-9.08e-05
1071	209	1.67	9.58e-03	-0.10	-2.02e-06	0.0	-1.37e-04
1071	232	-0.21	2.17	-0.21	-1.83e-03	0.0	-1.08e-04
1072	4	0.01	0.23	-6.51e-03	-1.42e-04	0.0	2.03e-05
1072	41	5.40e-03	-0.38	-8.14e-03	2.30e-04	0.0	4.82e-06
1072	45	3.63e-03	-0.38	-6.42e-03	2.31e-04	0.0	2.12e-06
1072	68	7.74e-03	0.15	-5.22e-03	-9.48e-05	0.0	1.42e-05
1072	85	3.96e-03	-0.25	-6.31e-03	1.53e-04	0.0	3.92e-06
1072	98	6.34e-03	2.54e-03	-5.62e-03	-2.76e-06	0.0	8.84e-06
1072	103	6.05e-03	0.05	-5.69e-03	-3.32e-05	0.0	9.96e-06
1072	104	4.04e-03	-0.05	-6.24e-03	2.90e-05	0.0	6.27e-06
1072	106	4.06e-03	1.94e-03	-6.22e-03	-2.14e-06	0.0	6.86e-06
1072	107	6.02e-03	2.45e-03	-5.70e-03	-2.67e-06	0.0	8.56e-06
1072	111	-1.75	-1.76	-0.15	1.03e-03	0.0	2.06e-04
1072	113	1.76	0.48	0.11	-2.84e-04	0.0	-1.43e-04
1072	136	-0.24	2.61	0.08	-1.52e-03	0.0	-1.34e-04
1072	143	-1.97	-1.99	-0.17	1.16e-03	0.0	2.31e-04
1072	145	1.98	0.54	0.13	-3.20e-04	0.0	-1.62e-04
1072	168	-0.27	2.94	0.09	-1.71e-03	0.0	-1.52e-04
1072	175	-1.95	-1.96	-0.17	1.15e-03	0.0	2.30e-04
1072	177	1.97	0.53	0.12	-3.18e-04	0.0	-1.60e-04
1072	200	-0.26	2.93	0.09	-1.71e-03	0.0	-1.54e-04
1072	207	-2.29	-2.29	-0.20	1.34e-03	0.0	2.68e-04
1072	209	2.30	0.63	0.15	-3.75e-04	0.0	-1.89e-04
1072	232	-0.29	3.44	0.11	-2.00e-03	0.0	-1.85e-04
1073	4	0.01	0.24	-4.85e-03	-1.44e-04	0.0	2.04e-05
1073	18	9.29e-03	0.39	-4.90e-03	-2.35e-04	0.0	2.34e-05
1073	41	5.15e-03	-0.38	-5.12e-03	2.30e-04	0.0	4.85e-06
1073	68	7.42e-03	0.16	-3.76e-03	-9.60e-05	0.0	1.43e-05

1073	75	6.53e-03	0.26	-3.80e-03	-1.57e-04	0.0	1.63e-05
1073	85	3.77e-03	-0.25	-3.94e-03	1.53e-04	0.0	3.94e-06
1073	98	6.07e-03	7.16e-03	-3.83e-03	-3.51e-06	0.0	8.90e-06
1073	103	5.78e-03	0.06	-3.84e-03	-3.40e-05	0.0	1.00e-05
1073	104	3.85e-03	-0.05	-3.93e-03	2.85e-05	0.0	6.32e-06
1073	106	3.87e-03	5.52e-03	-3.93e-03	-2.70e-06	0.0	6.91e-06
1073	107	5.75e-03	6.92e-03	-3.84e-03	-3.39e-06	0.0	8.61e-06
1073	111	-1.75	-1.66	-0.01	9.83e-04	0.0	2.06e-04
1073	113	1.77	0.40	3.34e-03	-2.39e-04	0.0	-1.43e-04
1073	136	-0.24	2.56	1.30e-03	-1.50e-03	0.0	-1.33e-04
1073	143	-1.98	-1.87	-0.01	1.11e-03	0.0	2.31e-04
1073	145	1.99	0.45	4.25e-03	-2.69e-04	0.0	-1.62e-04
1073	168	-0.27	2.88	1.95e-03	-1.69e-03	0.0	-1.51e-04
1073	175	-1.96	-1.85	-0.01	1.09e-03	0.0	2.29e-04
1073	177	1.97	0.45	4.18e-03	-2.68e-04	0.0	-1.60e-04
1073	200	-0.26	2.87	1.95e-03	-1.68e-03	0.0	-1.53e-04
1073	207	-2.29	-2.16	-0.02	1.28e-03	0.0	2.67e-04
1073	209	2.31	0.53	5.55e-03	-3.16e-04	0.0	-1.89e-04
1073	232	-0.29	3.36	3.00e-03	-1.97e-03	0.0	-1.84e-04
1074	4	0.02	0.29	-9.24e-03	-1.43e-04	0.0	2.08e-05
1074	41	0.01	-0.49	-0.01	2.30e-04	0.0	4.48e-06
1074	45	6.77e-03	-0.49	-8.76e-03	2.31e-04	0.0	1.72e-06
1074	68	0.01	0.20	-7.35e-03	-9.58e-05	0.0	1.46e-05
1074	85	7.41e-03	-0.32	-8.62e-03	1.53e-04	0.0	3.70e-06
1074	98	0.01	3.87e-03	-7.81e-03	-3.40e-06	0.0	9.07e-06
1074	103	0.01	0.07	-7.89e-03	-3.39e-05	0.0	1.02e-05
1074	104	7.64e-03	-0.06	-8.53e-03	2.84e-05	0.0	6.36e-06
1074	106	7.69e-03	2.97e-03	-8.51e-03	-2.66e-06	0.0	7.03e-06
1074	107	0.01	3.74e-03	-7.91e-03	-3.29e-06	0.0	8.78e-06
1074	111	-2.29	-2.23	-0.14	1.01e-03	0.0	2.55e-04
1074	113	2.31	0.60	0.10	-2.82e-04	0.0	-1.82e-04
1074	136	-0.31	3.29	0.07	-1.47e-03	0.0	-1.63e-04
1074	143	-2.58	-2.51	-0.16	1.13e-03	0.0	2.86e-04
1074	145	2.60	0.68	0.11	-3.17e-04	0.0	-2.06e-04
1074	168	-0.35	3.71	0.08	-1.66e-03	0.0	-1.85e-04
1074	175	-2.55	-2.48	-0.16	1.12e-03	0.0	2.84e-04
1074	177	2.58	0.68	0.11	-3.17e-04	0.0	-2.05e-04
1074	200	-0.34	3.70	0.08	-1.65e-03	0.0	-1.87e-04
1074	207	-2.99	-2.89	-0.19	1.31e-03	0.0	3.32e-04
1074	209	3.02	0.80	0.13	-3.73e-04	0.0	-2.41e-04
1074	232	-0.38	4.33	0.09	-1.94e-03	0.0	-2.25e-04
1075	4	0.02	0.30	-5.68e-03	-1.42e-04	0.0	2.09e-05
1075	18	0.01	0.50	-5.75e-03	-2.34e-04	0.0	2.39e-05
1075	41	8.26e-03	-0.48	-6.01e-03	2.31e-04	0.0	4.42e-06
1075	68	0.01	0.20	-4.41e-03	-9.52e-05	0.0	1.47e-05
1075	75	0.01	0.33	-4.46e-03	-1.56e-04	0.0	1.67e-05
1075	85	6.07e-03	-0.32	-4.63e-03	1.54e-04	0.0	3.67e-06
1075	98	9.73e-03	8.61e-03	-4.49e-03	-2.98e-06	0.0	9.09e-06
1075	103	9.28e-03	0.07	-4.50e-03	-3.35e-05	0.0	1.02e-05
1075	104	6.24e-03	-0.06	-4.61e-03	2.89e-05	0.0	6.37e-06
1075	106	6.28e-03	6.64e-03	-4.61e-03	-2.29e-06	0.0	7.04e-06
1075	107	9.23e-03	8.33e-03	-4.51e-03	-2.88e-06	0.0	8.80e-06
1075	111	-2.26	-2.10	-0.02	9.65e-04	0.0	2.53e-04
1075	113	2.28	0.50	0.01	-2.36e-04	0.0	-1.82e-04
1075	136	-0.31	3.22	6.17e-03	-1.46e-03	0.0	-1.59e-04
1075	143	-2.55	-2.36	-0.03	1.09e-03	0.0	2.84e-04
1075	145	2.57	0.57	0.01	-2.66e-04	0.0	-2.06e-04
1075	168	-0.35	3.63	7.53e-03	-1.65e-03	0.0	-1.81e-04
1075	175	-2.53	-2.34	-0.03	1.07e-03	0.0	2.83e-04
1075	177	2.55	0.57	0.01	-2.66e-04	0.0	-2.04e-04
1075	200	-0.33	3.61	7.52e-03	-1.64e-03	0.0	-1.83e-04
1075	207	-2.96	-2.73	-0.03	1.26e-03	0.0	3.30e-04
1075	209	2.98	0.67	0.01	-3.14e-04	0.0	-2.41e-04
1075	232	-0.37	4.23	9.69e-03	-1.92e-03	0.0	-2.21e-04
1076	4	0.01	0.25	-4.75e-03	-1.46e-04	0.0	2.09e-05
1076	18	9.15e-03	0.40	-4.72e-03	-2.37e-04	0.0	2.39e-05
1076	68	7.31e-03	0.17	-3.63e-03	-9.74e-05	0.0	1.46e-05
1076	75	6.43e-03	0.27	-3.61e-03	-1.59e-04	0.0	1.67e-05
1076	98	5.97e-03	0.01	-3.59e-03	-4.36e-06	0.0	9.05e-06
1076	103	5.69e-03	0.06	-3.58e-03	-3.50e-05	0.0	1.02e-05
1076	107	5.66e-03	0.01	-3.58e-03	-4.21e-06	0.0	8.76e-06
1076	113	1.77	0.32	-2.63e-04	-1.89e-04	0.0	-1.42e-04
1076	114	-1.76	-0.30	-6.89e-03	1.81e-04	0.0	1.60e-04
1076	136	-0.24	2.50	-4.06e-03	-1.48e-03	0.0	-1.31e-04
1076	145	1.99	0.36	1.56e-04	-2.13e-04	0.0	-1.61e-04

1076	146	-1.98	-0.34	-7.31e-03	2.04e-04	0.0	1.79e-04
1076	168	-0.27	2.81	-4.12e-03	-1.66e-03	0.0	-1.49e-04
1076	177	1.97	0.36	1.21e-04	-2.13e-04	0.0	-1.60e-04
1076	178	-1.96	-0.34	-7.28e-03	2.04e-04	0.0	1.77e-04
1076	200	-0.26	2.80	-4.09e-03	-1.66e-03	0.0	-1.51e-04
1076	209	2.31	0.42	7.54e-04	-2.51e-04	0.0	-1.88e-04
1076	210	-2.30	-0.40	-7.91e-03	2.43e-04	0.0	2.06e-04
1076	232	-0.29	3.28	-4.16e-03	-1.94e-03	0.0	-1.81e-04
1077	4	0.02	0.32	-5.42e-03	-1.42e-04	0.0	2.14e-05
1077	18	0.01	0.51	-5.37e-03	-2.33e-04	0.0	2.45e-05
1077	68	0.01	0.21	-4.14e-03	-9.47e-05	0.0	1.50e-05
1077	75	9.43e-03	0.34	-4.11e-03	-1.56e-04	0.0	1.71e-05
1077	98	8.74e-03	0.01	-4.09e-03	-2.58e-06	0.0	9.27e-06
1077	103	8.33e-03	0.08	-4.08e-03	-3.30e-05	0.0	1.05e-05
1077	107	8.29e-03	0.01	-4.08e-03	-2.48e-06	0.0	8.97e-06
1077	113	2.26	0.40	-1.48e-03	-1.86e-04	0.0	-1.81e-04
1077	114	-2.25	-0.38	-6.68e-03	1.81e-04	0.0	1.99e-04
1077	136	-0.31	3.16	-4.45e-03	-1.45e-03	0.0	-1.54e-04
1077	145	2.55	0.45	-1.15e-03	-2.10e-04	0.0	-2.05e-04
1077	146	-2.53	-0.43	-7.01e-03	2.05e-04	0.0	2.23e-04
1077	168	-0.35	3.56	-4.50e-03	-1.64e-03	0.0	-1.75e-04
1077	177	2.52	0.45	-1.18e-03	-2.10e-04	0.0	-2.03e-04
1077	178	-2.51	-0.43	-6.98e-03	2.05e-04	0.0	2.21e-04
1077	200	-0.33	3.54	-4.48e-03	-1.63e-03	0.0	-1.77e-04
1077	209	2.95	0.53	-6.82e-04	-2.48e-04	0.0	-2.39e-04
1077	210	-2.94	-0.51	-7.47e-03	2.43e-04	0.0	2.57e-04
1077	232	-0.37	4.14	-4.53e-03	-1.91e-03	0.0	-2.14e-04
1078	4	0.01	0.26	-6.50e-03	-1.48e-04	0.0	2.10e-05
1078	18	9.02e-03	0.42	-6.24e-03	-2.40e-04	0.0	2.42e-05
1078	68	7.21e-03	0.18	-4.83e-03	-9.89e-05	0.0	1.47e-05
1078	75	6.34e-03	0.28	-4.66e-03	-1.60e-04	0.0	1.68e-05
1078	98	5.88e-03	0.02	-4.51e-03	-5.29e-06	0.0	9.02e-06
1078	103	5.60e-03	0.07	-4.46e-03	-3.61e-05	0.0	1.02e-05
1078	107	5.57e-03	0.02	-4.44e-03	-5.11e-06	0.0	8.73e-06
1078	113	1.77	0.24	-4.10e-03	-1.41e-04	0.0	-1.41e-04
1078	114	-1.76	-0.21	-4.79e-03	1.30e-04	0.0	1.59e-04
1078	136	-0.24	2.44	-4.61e-03	-1.46e-03	0.0	-1.28e-04
1078	145	1.99	0.27	-4.06e-03	-1.58e-04	0.0	-1.60e-04
1078	146	-1.98	-0.24	-4.83e-03	1.48e-04	0.0	1.78e-04
1078	168	-0.27	2.75	-4.63e-03	-1.64e-03	0.0	-1.45e-04
1078	177	1.97	0.27	-4.11e-03	-1.59e-04	0.0	-1.59e-04
1078	178	-1.96	-0.24	-4.78e-03	1.48e-04	0.0	1.76e-04
1078	200	-0.26	2.74	-4.63e-03	-1.64e-03	0.0	-1.47e-04
1078	209	2.31	0.32	-4.06e-03	-1.88e-04	0.0	-1.87e-04
1078	210	-2.30	-0.29	-4.82e-03	1.77e-04	0.0	2.05e-04
1078	232	-0.29	3.20	-4.66e-03	-1.91e-03	0.0	-1.77e-04
1079	4	0.01	0.33	-7.46e-03	-1.41e-04	0.0	2.16e-05
1079	18	0.01	0.52	-7.16e-03	-2.32e-04	0.0	2.48e-05
1079	68	9.97e-03	0.22	-5.54e-03	-9.42e-05	0.0	1.51e-05
1079	75	8.78e-03	0.35	-5.34e-03	-1.55e-04	0.0	1.73e-05
1079	98	8.13e-03	0.02	-5.16e-03	-2.23e-06	0.0	9.30e-06
1079	103	7.75e-03	0.08	-5.10e-03	-3.26e-05	0.0	1.05e-05
1079	107	7.71e-03	0.02	-5.08e-03	-2.15e-06	0.0	9.00e-06
1079	113	2.25	0.30	-4.47e-03	-1.37e-04	0.0	-1.80e-04
1079	114	-2.23	-0.27	-5.69e-03	1.33e-04	0.0	1.98e-04
1079	136	-0.31	3.10	-5.36e-03	-1.45e-03	0.0	-1.50e-04
1079	145	2.53	0.34	-4.40e-03	-1.54e-04	0.0	-2.04e-04
1079	146	-2.52	-0.31	-5.77e-03	1.50e-04	0.0	2.22e-04
1079	168	-0.35	3.49	-5.40e-03	-1.63e-03	0.0	-1.71e-04
1079	177	2.51	0.34	-4.43e-03	-1.55e-04	0.0	-2.02e-04
1079	178	-2.49	-0.31	-5.73e-03	1.51e-04	0.0	2.20e-04
1079	200	-0.33	3.47	-5.39e-03	-1.62e-03	0.0	-1.74e-04
1079	209	2.94	0.40	-4.33e-03	-1.84e-04	0.0	-2.38e-04
1079	210	-2.92	-0.37	-5.83e-03	1.80e-04	0.0	2.56e-04
1079	232	-0.37	4.06	-5.44e-03	-1.90e-03	0.0	-2.09e-04
1080	4	0.01	0.27	-0.02	-1.50e-04	0.0	1.95e-05
1080	18	8.89e-03	0.43	-0.01	-2.42e-04	0.0	2.25e-05
1080	68	7.11e-03	0.18	-0.01	-1.01e-04	0.0	1.36e-05
1080	75	6.24e-03	0.29	-0.01	-1.62e-04	0.0	1.57e-05
1080	98	5.79e-03	0.02	-9.75e-03	-6.30e-06	0.0	8.22e-06
1080	103	5.50e-03	0.07	-9.48e-03	-3.72e-05	0.0	9.38e-06
1080	107	5.48e-03	0.02	-9.39e-03	-6.10e-06	0.0	7.95e-06
1080	113	1.77	0.16	-9.36e-03	-9.18e-05	0.0	-1.41e-04
1080	132	-0.15	2.39	-0.01	-1.44e-03	0.0	-1.22e-04
1080	136	-0.24	2.39	-0.01	-1.44e-03	0.0	-1.23e-04

1080	145	1.99	0.18	-9.36e-03	-1.03e-04	0.0	-1.60e-04
1080	164	-0.17	2.68	-0.01	-1.62e-03	0.0	-1.39e-04
1080	168	-0.27	2.69	-0.01	-1.63e-03	0.0	-1.40e-04
1080	177	1.97	0.18	-9.35e-03	-1.04e-04	0.0	-1.58e-04
1080	200	-0.26	2.67	-0.01	-1.62e-03	0.0	-1.43e-04
1080	209	2.31	0.22	-9.35e-03	-1.24e-04	0.0	-1.87e-04
1080	232	-0.29	3.12	-0.01	-1.89e-03	0.0	-1.72e-04
1081	4	0.01	0.34	-0.02	-1.40e-04	0.0	2.02e-05
1081	18	0.01	0.54	-0.02	-2.31e-04	0.0	2.33e-05
1081	68	9.44e-03	0.23	-0.01	-9.37e-05	0.0	1.41e-05
1081	75	8.30e-03	0.36	-0.01	-1.54e-04	0.0	1.62e-05
1081	98	7.68e-03	0.02	-0.01	-1.98e-06	0.0	8.60e-06
1081	103	7.31e-03	0.09	-0.01	-3.23e-05	0.0	9.79e-06
1081	107	7.27e-03	0.02	-0.01	-1.91e-06	0.0	8.32e-06
1081	113	2.24	0.20	-0.01	-8.71e-05	0.0	-1.79e-04
1081	132	-0.19	3.03	-0.01	-1.43e-03	0.0	-1.45e-04
1081	136	-0.31	3.04	-0.01	-1.44e-03	0.0	-1.47e-04
1081	145	2.52	0.23	-0.01	-9.84e-05	0.0	-2.03e-04
1081	164	-0.21	3.41	-0.01	-1.61e-03	0.0	-1.65e-04
1081	168	-0.34	3.42	-0.01	-1.62e-03	0.0	-1.67e-04
1081	177	2.50	0.23	-0.01	-9.94e-05	0.0	-2.01e-04
1081	200	-0.33	3.40	-0.01	-1.61e-03	0.0	-1.70e-04
1081	209	2.93	0.27	-0.01	-1.19e-04	0.0	-2.37e-04
1081	232	-0.37	3.97	-0.01	-1.88e-03	0.0	-2.05e-04
1082	4	0.01	0.28	-0.06	-1.52e-04	0.0	1.40e-05
1082	18	8.84e-03	0.44	-0.06	-2.45e-04	0.0	1.64e-05
1082	68	7.07e-03	0.19	-0.04	-1.02e-04	0.0	9.77e-06
1082	75	6.20e-03	0.30	-0.04	-1.64e-04	0.0	1.14e-05
1082	98	5.74e-03	0.03	-0.04	-7.34e-06	0.0	5.66e-06
1082	103	5.46e-03	0.08	-0.03	-3.84e-05	0.0	6.57e-06
1082	107	5.44e-03	0.03	-0.03	-7.12e-06	0.0	5.47e-06
1082	113	1.77	0.09	-0.03	-4.32e-05	0.0	-1.42e-04
1082	124	1.10	2.22	-0.04	-1.35e-03	0.0	-1.04e-04
1082	136	-0.24	2.34	-0.04	-1.43e-03	0.0	-1.16e-04
1082	145	1.99	0.09	-0.03	-4.83e-05	0.0	-1.60e-04
1082	156	1.24	2.49	-0.05	-1.52e-03	0.0	-1.18e-04
1082	168	-0.27	2.63	-0.05	-1.61e-03	0.0	-1.32e-04
1082	177	1.97	0.10	-0.03	-4.97e-05	0.0	-1.59e-04
1082	200	-0.26	2.62	-0.05	-1.60e-03	0.0	-1.34e-04
1082	209	2.31	0.11	-0.03	-6.00e-05	0.0	-1.87e-04
1082	232	-0.29	3.05	-0.05	-1.86e-03	0.0	-1.61e-04
1083	4	0.01	0.35	-0.08	-1.40e-04	0.0	1.49e-05
1083	18	0.01	0.55	-0.07	-2.30e-04	0.0	1.75e-05
1083	68	9.06e-03	0.24	-0.05	-9.32e-05	0.0	1.04e-05
1083	75	7.95e-03	0.37	-0.05	-1.54e-04	0.0	1.21e-05
1083	98	7.36e-03	0.03	-0.04	-1.76e-06	0.0	6.12e-06
1083	103	7.00e-03	0.09	-0.04	-3.21e-05	0.0	7.07e-06
1083	107	6.96e-03	0.03	-0.04	-1.71e-06	0.0	5.92e-06
1083	113	2.24	0.10	-0.04	-3.74e-05	0.0	-1.79e-04
1083	132	-0.19	2.98	-0.05	-1.43e-03	0.0	-1.40e-04
1083	136	-0.31	2.99	-0.05	-1.43e-03	0.0	-1.42e-04
1083	145	2.52	0.11	-0.04	-4.24e-05	0.0	-2.03e-04
1083	164	-0.21	3.35	-0.06	-1.60e-03	0.0	-1.59e-04
1083	168	-0.34	3.36	-0.06	-1.61e-03	0.0	-1.61e-04
1083	177	2.49	0.12	-0.04	-4.39e-05	0.0	-2.01e-04
1083	200	-0.33	3.33	-0.06	-1.60e-03	0.0	-1.64e-04
1083	209	2.92	0.14	-0.04	-5.41e-05	0.0	-2.37e-04
1083	232	-0.37	3.89	-0.06	-1.87e-03	0.0	-1.97e-04
1084	4	0.01	0.29	-0.26	-1.54e-04	0.0	1.47e-06
1084	18	9.45e-03	0.45	-0.23	-2.47e-04	0.0	2.29e-06
1084	68	7.55e-03	0.20	-0.18	-1.03e-04	0.0	0.0
1084	75	6.62e-03	0.30	-0.16	-1.65e-04	0.0	1.52e-06
1084	98	6.11e-03	0.03	-0.14	-8.16e-06	0.0	0.0
1084	103	5.81e-03	0.08	-0.13	-3.93e-05	0.0	0.0
1084	107	5.78e-03	0.03	-0.13	-7.91e-06	0.0	0.0
1084	113	1.77	6.70e-03	-0.13	5.19e-06	0.0	-1.43e-04
1084	132	-0.15	2.30	-0.24	-1.41e-03	0.0	-1.07e-04
1084	136	-0.24	2.30	-0.24	-1.41e-03	0.0	-1.08e-04
1084	145	1.99	4.88e-03	-0.13	6.33e-06	0.0	-1.61e-04
1084	164	-0.17	2.58	-0.25	-1.59e-03	0.0	-1.21e-04
1084	168	-0.27	2.59	-0.25	-1.59e-03	0.0	-1.23e-04
1084	177	1.97	8.17e-03	-0.13	4.34e-06	0.0	-1.60e-04
1084	200	-0.26	2.57	-0.25	-1.58e-03	0.0	-1.24e-04
1084	209	2.31	9.78e-03	-0.14	3.38e-06	0.0	-1.87e-04
1084	232	-0.29	2.99	-0.27	-1.84e-03	0.0	-1.48e-04

1085	4	0.01	0.36	-0.33	-1.39e-04	0.0	1.91e-06
1085	18	0.01	0.56	-0.30	-2.30e-04	0.0	2.96e-06
1085	68	9.29e-03	0.24	-0.23	-9.32e-05	0.0	1.27e-06
1085	75	8.14e-03	0.37	-0.21	-1.54e-04	0.0	1.97e-06
1085	98	7.53e-03	0.03	-0.18	-1.81e-06	0.0	0.0
1085	103	7.16e-03	0.10	-0.17	-3.22e-05	0.0	0.0
1085	107	7.12e-03	0.03	-0.17	-1.78e-06	0.0	0.0
1085	113	2.23	3.36e-03	-0.17	1.16e-05	0.0	-1.81e-04
1085	132	-0.19	2.93	-0.29	-1.41e-03	0.0	-1.36e-04
1085	136	-0.31	2.94	-0.29	-1.41e-03	0.0	-1.37e-04
1085	145	2.52	1.02e-03	-0.17	1.27e-05	0.0	-2.04e-04
1085	164	-0.21	3.30	-0.30	-1.59e-03	0.0	-1.53e-04
1085	168	-0.34	3.30	-0.30	-1.59e-03	0.0	-1.55e-04
1085	177	2.49	5.20e-03	-0.18	1.08e-05	0.0	-2.02e-04
1085	200	-0.33	3.28	-0.30	-1.58e-03	0.0	-1.57e-04
1085	209	2.92	7.25e-03	-0.18	9.84e-06	0.0	-2.37e-04
1085	232	-0.37	3.83	-0.32	-1.85e-03	0.0	-1.88e-04
1086	4	0.02	0.36	-0.01	-1.44e-04	0.0	1.87e-05
1086	18	0.02	0.59	-0.01	-2.36e-04	0.0	2.14e-05
1086	41	9.72e-03	-0.58	-0.01	2.29e-04	0.0	2.75e-06
1086	68	0.01	0.24	-8.12e-03	-9.66e-05	0.0	1.31e-05
1086	75	0.01	0.39	-8.41e-03	-1.58e-04	0.0	1.49e-05
1086	85	7.11e-03	-0.39	-9.57e-03	1.52e-04	0.0	2.46e-06
1086	98	0.01	5.62e-03	-8.65e-03	-3.95e-06	0.0	8.00e-06
1086	103	0.01	0.08	-8.74e-03	-3.45e-05	0.0	9.05e-06
1086	104	7.33e-03	-0.07	-9.47e-03	2.79e-05	0.0	5.39e-06
1086	106	7.38e-03	4.35e-03	-9.44e-03	-3.13e-06	0.0	6.13e-06
1086	107	0.01	5.44e-03	-8.76e-03	-3.83e-06	0.0	7.73e-06
1086	111	-2.60	-2.65	-0.13	9.81e-04	0.0	2.92e-04
1086	113	2.62	0.73	0.09	-2.80e-04	0.0	-2.18e-04
1086	136	-0.36	3.91	0.06	-1.43e-03	0.0	-1.74e-04
1086	143	-2.93	-2.99	-0.15	1.10e-03	0.0	3.28e-04
1086	145	2.95	0.82	0.10	-3.15e-04	0.0	-2.47e-04
1086	168	-0.40	4.41	0.07	-1.61e-03	0.0	-1.98e-04
1086	175	-2.90	-2.95	-0.15	1.09e-03	0.0	3.27e-04
1086	177	2.92	0.82	0.10	-3.14e-04	0.0	-2.45e-04
1086	200	-0.38	4.39	0.07	-1.60e-03	0.0	-2.01e-04
1086	207	-3.39	-3.45	-0.17	1.28e-03	0.0	3.82e-04
1086	209	3.42	0.96	0.12	-3.70e-04	0.0	-2.88e-04
1086	232	-0.43	5.15	0.09	-1.88e-03	0.0	-2.42e-04
1087	4	0.02	0.37	-6.09e-03	-1.42e-04	0.0	1.89e-05
1087	18	0.02	0.60	-6.16e-03	-2.33e-04	0.0	2.17e-05
1087	41	8.25e-03	-0.58	-6.47e-03	2.31e-04	0.0	2.88e-06
1087	68	0.01	0.24	-4.73e-03	-9.45e-05	0.0	1.33e-05
1087	75	0.01	0.40	-4.78e-03	-1.55e-04	0.0	1.51e-05
1087	85	6.03e-03	-0.39	-4.99e-03	1.54e-04	0.0	2.56e-06
1087	98	0.01	9.79e-03	-4.82e-03	-2.53e-06	0.0	8.13e-06
1087	103	9.52e-03	0.09	-4.84e-03	-3.30e-05	0.0	9.19e-06
1087	104	6.19e-03	-0.07	-4.97e-03	2.92e-05	0.0	5.50e-06
1087	106	6.23e-03	7.54e-03	-4.96e-03	-1.95e-06	0.0	6.23e-06
1087	107	9.46e-03	9.47e-03	-4.84e-03	-2.45e-06	0.0	7.86e-06
1087	111	-2.60	-2.51	-0.03	9.49e-04	0.0	2.92e-04
1087	113	2.62	0.61	0.02	-2.34e-04	0.0	-2.18e-04
1087	136	-0.36	3.85	9.58e-03	-1.43e-03	0.0	-1.74e-04
1087	143	-2.93	-2.83	-0.03	1.07e-03	0.0	3.28e-04
1087	145	2.95	0.68	0.02	-2.63e-04	0.0	-2.47e-04
1087	168	-0.40	4.33	0.01	-1.61e-03	0.0	-1.97e-04
1087	175	-2.90	-2.80	-0.03	1.06e-03	0.0	3.26e-04
1087	177	2.92	0.68	0.02	-2.63e-04	0.0	-2.45e-04
1087	200	-0.38	4.32	0.01	-1.61e-03	0.0	-2.01e-04
1087	207	-3.40	-3.27	-0.04	1.23e-03	0.0	3.82e-04
1087	209	3.42	0.80	0.02	-3.11e-04	0.0	-2.88e-04
1087	232	-0.43	5.06	0.01	-1.88e-03	0.0	-2.42e-04
1088	4	0.02	0.42	-0.01	-1.45e-04	0.0	1.50e-05
1088	18	0.01	0.69	-0.01	-2.37e-04	0.0	1.73e-05
1088	41	8.09e-03	-0.68	-0.01	2.28e-04	0.0	0.0
1088	68	0.01	0.28	-8.50e-03	-9.71e-05	0.0	1.05e-05
1088	75	0.01	0.46	-8.81e-03	-1.58e-04	0.0	1.20e-05
1088	85	5.90e-03	-0.45	-0.01	1.52e-04	0.0	0.0
1088	98	9.73e-03	7.56e-03	-9.07e-03	-4.35e-06	0.0	6.22e-06
1088	103	9.24e-03	0.10	-9.16e-03	-3.49e-05	0.0	7.11e-06
1088	104	6.01e-03	-0.09	-9.94e-03	2.76e-05	0.0	3.88e-06
1088	106	6.04e-03	5.91e-03	-9.92e-03	-3.46e-06	0.0	4.67e-06
1088	107	9.20e-03	7.33e-03	-9.19e-03	-4.22e-06	0.0	6.00e-06
1088	111	-2.92	-3.07	-0.13	9.66e-04	0.0	2.66e-04

1088	113	2.94	0.85	0.09	-2.78e-04	0.0	-2.53e-04
1088	136	-0.40	4.52	0.06	-1.40e-03	0.0	-1.92e-04
1088	143	-3.29	-3.46	-0.14	1.09e-03	0.0	2.98e-04
1088	145	3.31	0.96	0.10	-3.13e-04	0.0	-2.86e-04
1088	168	-0.45	5.09	0.07	-1.58e-03	0.0	-2.18e-04
1088	175	-3.26	-3.42	-0.14	1.08e-03	0.0	2.96e-04
1088	177	3.28	0.95	0.10	-3.12e-04	0.0	-2.84e-04
1088	200	-0.43	5.08	0.07	-1.58e-03	0.0	-2.22e-04
1088	207	-3.82	-4.00	-0.17	1.26e-03	0.0	3.46e-04
1088	209	3.84	1.12	0.11	-3.68e-04	0.0	-3.33e-04
1088	232	-0.49	5.96	0.08	-1.85e-03	0.0	-2.66e-04
1089	4	0.02	0.43	-6.32e-03	-1.41e-04	0.0	1.52e-05
1089	18	0.01	0.70	-6.40e-03	-2.32e-04	0.0	1.76e-05
1089	41	7.20e-03	-0.68	-6.74e-03	2.31e-04	0.0	0.0
1089	68	0.01	0.29	-4.91e-03	-9.40e-05	0.0	1.06e-05
1089	75	9.33e-03	0.47	-4.97e-03	-1.55e-04	0.0	1.22e-05
1089	85	5.25e-03	-0.45	-5.19e-03	1.54e-04	0.0	0.0
1089	98	8.66e-03	0.01	-5.01e-03	-2.18e-06	0.0	6.35e-06
1089	103	8.23e-03	0.10	-5.03e-03	-3.26e-05	0.0	7.24e-06
1089	104	5.35e-03	-0.08	-5.17e-03	2.94e-05	0.0	4.00e-06
1089	106	5.38e-03	8.31e-03	-5.17e-03	-1.70e-06	0.0	4.78e-06
1089	107	8.19e-03	0.01	-5.04e-03	-2.12e-06	0.0	6.12e-06
1089	111	-2.92	-2.92	-0.03	9.37e-04	0.0	2.66e-04
1089	113	2.94	0.71	0.02	-2.32e-04	0.0	-2.53e-04
1089	136	-0.41	4.46	0.01	-1.41e-03	0.0	-1.92e-04
1089	143	-3.29	-3.29	-0.04	1.05e-03	0.0	2.99e-04
1089	145	3.31	0.80	0.02	-2.61e-04	0.0	-2.86e-04
1089	168	-0.46	5.02	0.01	-1.59e-03	0.0	-2.18e-04
1089	175	-3.26	-3.25	-0.04	1.04e-03	0.0	2.97e-04
1089	177	3.28	0.79	0.02	-2.61e-04	0.0	-2.84e-04
1089	200	-0.44	5.00	0.01	-1.58e-03	0.0	-2.22e-04
1089	207	-3.82	-3.80	-0.04	1.22e-03	0.0	3.46e-04
1089	209	3.84	0.94	0.02	-3.08e-04	0.0	-3.33e-04
1089	232	-0.49	5.86	0.02	-1.85e-03	0.0	-2.66e-04
1090	4	0.01	0.48	-0.01	-1.46e-04	0.0	9.90e-06
1090	18	9.20e-03	0.79	-0.01	-2.37e-04	0.0	1.20e-05
1090	41	5.02e-03	-0.78	-0.01	2.28e-04	0.0	-3.48e-06
1090	68	7.39e-03	0.32	-8.66e-03	-9.75e-05	0.0	6.83e-06
1090	75	6.44e-03	0.53	-8.97e-03	-1.59e-04	0.0	8.24e-06
1090	85	3.65e-03	-0.52	-0.01	1.51e-04	0.0	-2.09e-06
1090	98	6.00e-03	9.75e-03	-9.23e-03	-4.73e-06	0.0	3.44e-06
1090	103	5.69e-03	0.11	-9.33e-03	-3.53e-05	0.0	4.22e-06
1090	104	3.69e-03	-0.10	-0.01	2.72e-05	0.0	1.52e-06
1090	106	3.69e-03	7.66e-03	-0.01	-3.78e-06	0.0	2.42e-06
1090	107	5.67e-03	9.46e-03	-9.35e-03	-4.59e-06	0.0	3.29e-06
1090	111	-3.25	-3.49	-0.13	9.62e-04	0.0	2.89e-04
1090	113	3.27	0.97	0.08	-2.79e-04	0.0	-2.84e-04
1090	136	-0.45	5.12	0.06	-1.39e-03	0.0	-2.14e-04
1090	143	-3.66	-3.93	-0.14	1.08e-03	0.0	3.25e-04
1090	145	3.68	1.09	0.10	-3.15e-04	0.0	-3.20e-04
1090	168	-0.51	5.77	0.07	-1.57e-03	0.0	-2.43e-04
1090	175	-3.63	-3.88	-0.14	1.07e-03	0.0	3.22e-04
1090	177	3.64	1.09	0.10	-3.14e-04	0.0	-3.18e-04
1090	200	-0.49	5.75	0.07	-1.57e-03	0.0	-2.46e-04
1090	207	-4.25	-4.54	-0.16	1.25e-03	0.0	3.77e-04
1090	209	4.26	1.28	0.11	-3.70e-04	0.0	-3.73e-04
1090	232	-0.55	6.75	0.08	-1.84e-03	0.0	-2.95e-04
1091	4	0.01	0.49	-6.41e-03	-1.40e-04	0.0	1.12e-05
1091	18	9.50e-03	0.80	-6.49e-03	-2.32e-04	0.0	1.31e-05
1091	41	5.09e-03	-0.78	-6.83e-03	2.31e-04	0.0	-1.96e-06
1091	68	7.61e-03	0.33	-4.98e-03	-9.38e-05	0.0	7.77e-06
1091	75	6.65e-03	0.53	-5.04e-03	-1.55e-04	0.0	9.06e-06
1091	85	3.71e-03	-0.52	-5.26e-03	1.54e-04	0.0	0.0
1091	98	6.16e-03	0.01	-5.09e-03	-2.00e-06	0.0	4.34e-06
1091	103	5.85e-03	0.12	-5.10e-03	-3.24e-05	0.0	5.08e-06
1091	104	3.77e-03	-0.10	-5.24e-03	2.95e-05	0.0	2.32e-06
1091	106	3.79e-03	8.96e-03	-5.24e-03	-1.57e-06	0.0	3.15e-06
1091	107	5.82e-03	0.01	-5.11e-03	-1.94e-06	0.0	4.17e-06
1091	111	-3.25	-3.32	-0.04	9.33e-04	0.0	2.89e-04
1091	113	3.27	0.81	0.02	-2.31e-04	0.0	-2.82e-04
1091	136	-0.45	5.06	0.01	-1.40e-03	0.0	-2.13e-04
1091	143	-3.66	-3.74	-0.04	1.05e-03	0.0	3.25e-04
1091	145	3.68	0.91	0.02	-2.60e-04	0.0	-3.18e-04
1091	168	-0.51	5.70	0.01	-1.58e-03	0.0	-2.41e-04
1091	175	-3.63	-3.70	-0.04	1.04e-03	0.0	3.22e-04

1091	177	3.65	0.91	0.02	-2.60e-04	0.0	-3.16e-04
1091	200	-0.49	5.68	0.01	-1.57e-03	0.0	-2.45e-04
1091	207	-4.25	-4.32	-0.04	1.21e-03	0.0	3.77e-04
1091	209	4.27	1.07	0.03	-3.07e-04	0.0	-3.71e-04
1091	232	-0.55	6.66	0.02	-1.84e-03	0.0	-2.93e-04
1092	4	0.02	0.38	-5.83e-03	-1.38e-04	0.0	1.94e-05
1092	18	0.01	0.61	-5.78e-03	-2.29e-04	0.0	2.23e-05
1092	68	0.01	0.25	-4.45e-03	-9.23e-05	0.0	1.36e-05
1092	75	9.89e-03	0.41	-4.43e-03	-1.53e-04	0.0	1.55e-05
1092	98	9.15e-03	0.01	-4.40e-03	-1.02e-06	0.0	8.37e-06
1092	103	8.70e-03	0.09	-4.39e-03	-3.13e-05	0.0	9.47e-06
1092	107	8.66e-03	0.01	-4.39e-03	0.0	0.0	8.10e-06
1092	113	2.61	0.48	-2.00e-03	-1.83e-04	0.0	-2.17e-04
1092	114	-2.60	-0.46	-6.78e-03	1.81e-04	0.0	2.33e-04
1092	136	-0.36	3.78	-4.73e-03	-1.43e-03	0.0	-1.72e-04
1092	145	2.94	0.54	-1.69e-03	-2.07e-04	0.0	-2.46e-04
1092	146	-2.93	-0.52	-7.08e-03	2.05e-04	0.0	2.62e-04
1092	168	-0.40	4.26	-4.77e-03	-1.61e-03	0.0	-1.95e-04
1092	177	2.92	0.54	-1.72e-03	-2.07e-04	0.0	-2.44e-04
1092	178	-2.90	-0.52	-7.05e-03	2.05e-04	0.0	2.60e-04
1092	200	-0.38	4.24	-4.76e-03	-1.61e-03	0.0	-1.99e-04
1092	209	3.41	0.64	-1.27e-03	-2.45e-04	0.0	-2.87e-04
1092	210	-3.40	-0.61	-7.51e-03	2.43e-04	0.0	3.03e-04
1092	232	-0.43	4.96	-4.80e-03	-1.88e-03	0.0	-2.39e-04
1093	4	0.01	0.43	-6.07e-03	-1.36e-04	0.0	1.57e-05
1093	18	0.01	0.71	-6.03e-03	-2.27e-04	0.0	1.80e-05
1093	68	0.01	0.29	-4.64e-03	-9.06e-05	0.0	1.10e-05
1093	75	8.80e-03	0.47	-4.61e-03	-1.51e-04	0.0	1.25e-05
1093	98	8.16e-03	0.01	-4.59e-03	0.0	0.0	6.64e-06
1093	103	7.75e-03	0.11	-4.58e-03	-3.01e-05	0.0	7.54e-06
1093	107	7.72e-03	0.01	-4.58e-03	0.0	0.0	6.41e-06
1093	113	2.94	0.56	-2.73e-03	-1.81e-04	0.0	-2.53e-04
1093	115	-2.30	-2.85	-6.91e-03	9.27e-04	0.0	3.30e-04
1093	136	-0.41	4.40	-3.26e-03	-1.41e-03	0.0	-1.92e-04
1093	145	3.31	0.63	-2.50e-03	-2.04e-04	0.0	-2.85e-04
1093	147	-2.59	-3.21	-7.20e-03	1.04e-03	0.0	3.72e-04
1093	168	-0.46	4.95	-3.10e-03	-1.59e-03	0.0	-2.18e-04
1093	177	3.28	0.63	-2.53e-03	-2.05e-04	0.0	-2.83e-04
1093	179	-2.57	-3.19	-7.17e-03	1.04e-03	0.0	3.70e-04
1093	200	-0.44	4.93	-3.10e-03	-1.59e-03	0.0	-2.21e-04
1093	209	3.84	0.75	-2.17e-03	-2.43e-04	0.0	-3.33e-04
1093	211	-3.01	-3.74	-7.62e-03	1.22e-03	0.0	4.34e-04
1093	232	-0.49	5.77	-2.83e-03	-1.86e-03	0.0	-2.66e-04
1094	4	0.01	0.49	-6.22e-03	-1.35e-04	0.0	1.16e-05
1094	18	9.85e-03	0.80	-6.17e-03	-2.25e-04	0.0	1.34e-05
1094	68	7.88e-03	0.33	-4.75e-03	-8.97e-05	0.0	8.05e-06
1094	75	6.90e-03	0.54	-4.72e-03	-1.50e-04	0.0	9.25e-06
1094	98	6.38e-03	0.01	-4.69e-03	0.0	0.0	4.69e-06
1094	103	6.06e-03	0.12	-4.68e-03	-2.94e-05	0.0	5.38e-06
1094	107	6.03e-03	0.01	-4.68e-03	0.0	0.0	4.51e-06
1094	111	-3.25	-3.16	-7.04e-03	9.01e-04	0.0	2.89e-04
1094	113	3.27	0.64	-2.81e-03	-1.80e-04	0.0	-2.82e-04
1094	136	-0.45	5.00	-3.37e-03	-1.41e-03	0.0	-2.12e-04
1094	143	-3.66	-3.55	-7.34e-03	1.01e-03	0.0	3.25e-04
1094	145	3.68	0.72	-2.57e-03	-2.03e-04	0.0	-3.18e-04
1094	168	-0.51	5.63	-3.20e-03	-1.58e-03	0.0	-2.41e-04
1094	175	-3.63	-3.51	-7.31e-03	1.00e-03	0.0	3.23e-04
1094	177	3.65	0.72	-2.60e-03	-2.04e-04	0.0	-3.16e-04
1094	200	-0.49	5.61	-3.20e-03	-1.58e-03	0.0	-2.44e-04
1094	207	-4.25	-4.10	-7.76e-03	1.17e-03	0.0	3.77e-04
1094	209	4.27	0.85	-2.24e-03	-2.42e-04	0.0	-3.71e-04
1094	232	-0.55	6.57	-2.93e-03	-1.85e-03	0.0	-2.93e-04
1095	4	0.02	0.39	-8.07e-03	-1.35e-04	0.0	1.96e-05
1095	18	0.01	0.62	-7.75e-03	-2.26e-04	0.0	2.26e-05
1095	68	0.01	0.26	-5.99e-03	-9.01e-05	0.0	1.37e-05
1095	75	9.30e-03	0.42	-5.78e-03	-1.50e-04	0.0	1.57e-05
1095	98	8.61e-03	0.02	-5.58e-03	0.0	0.0	8.46e-06
1095	103	8.19e-03	0.10	-5.52e-03	-2.97e-05	0.0	9.58e-06
1095	107	8.15e-03	0.02	-5.49e-03	0.0	0.0	8.19e-06
1095	113	2.61	0.36	-4.64e-03	-1.34e-04	0.0	-2.16e-04
1095	114	-2.60	-0.33	-6.34e-03	1.34e-04	0.0	2.33e-04
1095	136	-0.36	3.72	-5.85e-03	-1.43e-03	0.0	-1.70e-04
1095	145	2.94	0.41	-4.54e-03	-1.51e-04	0.0	-2.45e-04
1095	146	-2.92	-0.37	-6.45e-03	1.52e-04	0.0	2.61e-04
1095	168	-0.40	4.19	-5.90e-03	-1.61e-03	0.0	-1.93e-04

1095	177	2.91	0.41	-4.58e-03	-1.52e-04	0.0	-2.43e-04
1095	178	-2.90	-0.37	-6.41e-03	1.53e-04	0.0	2.59e-04
1095	200	-0.39	4.17	-5.89e-03	-1.60e-03	0.0	-1.96e-04
1095	209	3.41	0.48	-4.43e-03	-1.81e-04	0.0	-2.86e-04
1095	210	-3.39	-0.45	-6.56e-03	1.82e-04	0.0	3.02e-04
1095	232	-0.43	4.87	-5.94e-03	-1.88e-03	0.0	-2.37e-04
1096	4	0.01	0.44	-8.50e-03	-1.31e-04	0.0	1.58e-05
1096	18	0.01	0.72	-8.15e-03	-2.21e-04	0.0	1.82e-05
1096	68	9.63e-03	0.30	-6.31e-03	-8.69e-05	0.0	1.11e-05
1096	75	8.43e-03	0.48	-6.08e-03	-1.47e-04	0.0	1.27e-05
1096	98	7.81e-03	0.02	-5.87e-03	2.53e-06	0.0	6.81e-06
1096	103	7.42e-03	0.11	-5.80e-03	-2.74e-05	0.0	7.71e-06
1096	107	7.39e-03	0.02	-5.77e-03	2.47e-06	0.0	6.59e-06
1096	113	2.94	0.42	-4.83e-03	-1.31e-04	0.0	-2.52e-04
1096	114	-2.93	-0.38	-6.71e-03	1.36e-04	0.0	2.65e-04
1096	136	-0.41	4.34	-6.22e-03	-1.42e-03	0.0	-1.91e-04
1096	145	3.31	0.47	-4.72e-03	-1.48e-04	0.0	-2.85e-04
1096	146	-3.30	-0.44	-6.83e-03	1.53e-04	0.0	2.98e-04
1096	168	-0.46	4.88	-6.28e-03	-1.60e-03	0.0	-2.17e-04
1096	177	3.28	0.47	-4.76e-03	-1.49e-04	0.0	-2.83e-04
1096	178	-3.27	-0.44	-6.79e-03	1.54e-04	0.0	2.96e-04
1096	200	-0.44	4.85	-6.26e-03	-1.59e-03	0.0	-2.20e-04
1096	209	3.84	0.56	-4.59e-03	-1.78e-04	0.0	-3.32e-04
1096	210	-3.82	-0.52	-6.95e-03	1.83e-04	0.0	3.46e-04
1096	232	-0.49	5.68	-6.34e-03	-1.86e-03	0.0	-2.65e-04
1097	4	0.01	0.50	-9.13e-03	-1.28e-04	0.0	1.19e-05
1097	18	0.01	0.81	-8.70e-03	-2.18e-04	0.0	1.36e-05
1097	68	8.21e-03	0.33	-6.75e-03	-8.51e-05	0.0	8.33e-06
1097	75	7.20e-03	0.54	-6.46e-03	-1.45e-04	0.0	9.43e-06
1097	98	6.63e-03	0.02	-6.24e-03	3.81e-06	0.0	5.11e-06
1097	103	6.30e-03	0.12	-6.15e-03	-2.60e-05	0.0	5.75e-06
1097	107	6.26e-03	0.02	-6.13e-03	3.72e-06	0.0	4.92e-06
1097	113	3.27	0.47	-5.14e-03	-1.30e-04	0.0	-2.82e-04
1097	114	-3.25	-0.44	-7.12e-03	1.37e-04	0.0	2.91e-04
1097	136	-0.45	4.95	-6.70e-03	-1.41e-03	0.0	-2.12e-04
1097	145	3.68	0.53	-5.02e-03	-1.47e-04	0.0	-3.18e-04
1097	146	-3.67	-0.50	-7.24e-03	1.54e-04	0.0	3.28e-04
1097	168	-0.51	5.57	-6.77e-03	-1.59e-03	0.0	-2.40e-04
1097	177	3.65	0.54	-5.06e-03	-1.48e-04	0.0	-3.16e-04
1097	178	-3.63	-0.51	-7.19e-03	1.55e-04	0.0	3.26e-04
1097	200	-0.49	5.54	-6.76e-03	-1.58e-03	0.0	-2.44e-04
1097	209	4.27	0.64	-4.89e-03	-1.77e-04	0.0	-3.71e-04
1097	210	-4.25	-0.60	-7.36e-03	1.84e-04	0.0	3.81e-04
1097	232	-0.55	6.48	-6.85e-03	-1.85e-03	0.0	-2.93e-04
1098	4	0.01	0.40	-0.02	-1.32e-04	0.0	1.82e-05
1098	18	0.01	0.63	-0.02	-2.22e-04	0.0	2.11e-05
1098	68	0.01	0.27	-0.01	-8.79e-05	0.0	1.28e-05
1098	75	8.83e-03	0.42	-0.01	-1.48e-04	0.0	1.47e-05
1098	98	8.17e-03	0.02	-0.01	1.70e-06	0.0	7.82e-06
1098	103	7.77e-03	0.10	-0.01	-2.82e-05	0.0	8.91e-06
1098	107	7.73e-03	0.02	-0.01	1.67e-06	0.0	7.58e-06
1098	113	2.61	0.24	-0.01	-8.33e-05	0.0	-2.16e-04
1098	132	-0.22	3.65	-0.01	-1.42e-03	0.0	-1.66e-04
1098	136	-0.36	3.66	-0.01	-1.43e-03	0.0	-1.68e-04
1098	145	2.94	0.27	-0.01	-9.45e-05	0.0	-2.44e-04
1098	164	-0.25	4.11	-0.01	-1.60e-03	0.0	-1.88e-04
1098	168	-0.40	4.12	-0.01	-1.61e-03	0.0	-1.91e-04
1098	177	2.91	0.27	-0.01	-9.56e-05	0.0	-2.42e-04
1098	200	-0.39	4.09	-0.01	-1.60e-03	0.0	-1.94e-04
1098	209	3.41	0.32	-0.01	-1.15e-04	0.0	-2.85e-04
1098	232	-0.43	4.79	-0.01	-1.87e-03	0.0	-2.34e-04
1099	4	0.01	0.45	-0.02	-1.26e-04	0.0	1.44e-05
1099	18	0.01	0.73	-0.02	-2.15e-04	0.0	1.68e-05
1099	68	9.18e-03	0.30	-0.02	-8.38e-05	0.0	1.01e-05
1099	75	8.04e-03	0.49	-0.01	-1.43e-04	0.0	1.17e-05
1099	98	7.45e-03	0.02	-0.01	4.27e-06	0.0	6.16e-06
1099	103	7.08e-03	0.11	-0.01	-2.53e-05	0.0	7.05e-06
1099	107	7.05e-03	0.02	-0.01	4.18e-06	0.0	5.98e-06
1099	113	2.94	0.28	-0.01	-8.09e-05	0.0	-2.52e-04
1099	132	-0.25	4.27	-0.02	-1.42e-03	0.0	-1.88e-04
1099	136	-0.41	4.28	-0.02	-1.42e-03	0.0	-1.90e-04
1099	145	3.31	0.31	-0.01	-9.21e-05	0.0	-2.84e-04
1099	164	-0.28	4.80	-0.02	-1.59e-03	0.0	-2.13e-04
1099	168	-0.46	4.81	-0.02	-1.60e-03	0.0	-2.16e-04
1099	177	3.28	0.31	-0.01	-9.33e-05	0.0	-2.83e-04

1099	200	-0.44	4.78	-0.02	-1.59e-03	0.0	-2.20e-04
1099	209	3.84	0.37	-0.01	-1.13e-04	0.0	-3.32e-04
1099	232	-0.49	5.60	-0.02	-1.86e-03	0.0	-2.64e-04
1100	4	0.01	0.50	-0.03	-1.23e-04	0.0	1.09e-05
1100	18	0.01	0.82	-0.02	-2.12e-04	0.0	1.26e-05
1100	68	8.44e-03	0.34	-0.02	-8.18e-05	0.0	7.63e-06
1100	75	7.39e-03	0.55	-0.02	-1.41e-04	0.0	8.77e-06
1100	98	6.82e-03	0.02	-0.02	5.52e-06	0.0	4.63e-06
1100	103	6.48e-03	0.12	-0.02	-2.39e-05	0.0	5.27e-06
1100	107	6.44e-03	0.02	-0.01	5.40e-06	0.0	4.47e-06
1100	113	3.27	0.31	-0.02	-7.98e-05	0.0	-2.82e-04
1100	132	-0.28	4.88	-0.02	-1.41e-03	0.0	-2.09e-04
1100	136	-0.45	4.89	-0.02	-1.41e-03	0.0	-2.12e-04
1100	145	3.68	0.35	-0.02	-9.10e-05	0.0	-3.18e-04
1100	164	-0.32	5.49	-0.02	-1.59e-03	0.0	-2.37e-04
1100	168	-0.51	5.50	-0.02	-1.59e-03	0.0	-2.41e-04
1100	177	3.65	0.35	-0.02	-9.22e-05	0.0	-3.16e-04
1100	196	-0.31	5.44	-0.02	-1.57e-03	0.0	-2.37e-04
1100	200	-0.49	5.47	-0.02	-1.58e-03	0.0	-2.44e-04
1100	209	4.27	0.42	-0.02	-1.12e-04	0.0	-3.71e-04
1100	232	-0.55	6.40	-0.02	-1.85e-03	0.0	-2.93e-04
1101	4	0.01	0.41	-0.08	-1.29e-04	0.0	1.35e-05
1101	18	0.01	0.64	-0.08	-2.18e-04	0.0	1.60e-05
1101	68	9.64e-03	0.27	-0.06	-8.55e-05	0.0	9.46e-06
1101	75	8.45e-03	0.43	-0.05	-1.45e-04	0.0	1.11e-05
1101	98	7.82e-03	0.03	-0.05	3.14e-06	0.0	5.58e-06
1101	103	7.44e-03	0.11	-0.05	-2.66e-05	0.0	6.48e-06
1101	107	7.40e-03	0.03	-0.05	3.05e-06	0.0	5.42e-06
1101	113	2.61	0.12	-0.05	-3.24e-05	0.0	-2.16e-04
1101	132	-0.22	3.60	-0.06	-1.42e-03	0.0	-1.64e-04
1101	136	-0.36	3.60	-0.06	-1.43e-03	0.0	-1.66e-04
1101	145	2.94	0.13	-0.05	-3.74e-05	0.0	-2.43e-04
1101	164	-0.25	4.05	-0.07	-1.60e-03	0.0	-1.86e-04
1101	168	-0.40	4.06	-0.07	-1.61e-03	0.0	-1.88e-04
1101	177	2.91	0.14	-0.05	-3.90e-05	0.0	-2.42e-04
1101	200	-0.39	4.03	-0.06	-1.59e-03	0.0	-1.91e-04
1101	209	3.40	0.16	-0.05	-4.92e-05	0.0	-2.84e-04
1101	232	-0.43	4.70	-0.07	-1.86e-03	0.0	-2.30e-04
1102	4	0.01	0.46	-0.10	-1.21e-04	0.0	1.00e-05
1102	18	0.01	0.74	-0.09	-2.10e-04	0.0	1.23e-05
1102	68	8.80e-03	0.31	-0.07	-8.04e-05	0.0	7.06e-06
1102	75	7.70e-03	0.49	-0.06	-1.39e-04	0.0	8.58e-06
1102	98	7.14e-03	0.02	-0.06	6.50e-06	0.0	3.98e-06
1102	103	6.79e-03	0.12	-0.05	-2.28e-05	0.0	4.78e-06
1102	107	6.76e-03	0.02	-0.05	6.34e-06	0.0	3.89e-06
1102	113	2.94	0.13	-0.05	-2.96e-05	0.0	-2.52e-04
1102	132	-0.25	4.21	-0.07	-1.42e-03	0.0	-1.89e-04
1102	136	-0.41	4.22	-0.07	-1.42e-03	0.0	-1.91e-04
1102	145	3.31	0.15	-0.05	-3.46e-05	0.0	-2.85e-04
1102	168	-0.46	4.75	-0.08	-1.60e-03	0.0	-2.16e-04
1102	177	3.28	0.15	-0.05	-3.62e-05	0.0	-2.83e-04
1102	200	-0.44	4.72	-0.08	-1.59e-03	0.0	-2.20e-04
1102	209	3.84	0.18	-0.05	-4.66e-05	0.0	-3.32e-04
1102	232	-0.49	5.51	-0.08	-1.86e-03	0.0	-2.64e-04
1103	4	0.01	0.51	-0.12	-1.18e-04	0.0	7.66e-06
1103	18	0.01	0.82	-0.11	-2.06e-04	0.0	9.58e-06
1103	68	8.98e-03	0.34	-0.09	-7.80e-05	0.0	5.35e-06
1103	75	7.87e-03	0.55	-0.08	-1.36e-04	0.0	6.63e-06
1103	98	7.25e-03	0.02	-0.07	8.05e-06	0.0	2.77e-06
1103	103	6.90e-03	0.13	-0.07	-2.10e-05	0.0	3.45e-06
1103	107	6.86e-03	0.02	-0.07	7.89e-06	0.0	2.70e-06
1103	113	3.27	0.14	-0.07	-2.84e-05	0.0	-2.83e-04
1103	136	-0.45	4.83	-0.09	-1.42e-03	0.0	-2.13e-04
1103	145	3.68	0.16	-0.07	-3.35e-05	0.0	-3.19e-04
1103	168	-0.51	5.44	-0.09	-1.60e-03	0.0	-2.42e-04
1103	177	3.65	0.17	-0.07	-3.51e-05	0.0	-3.17e-04
1103	200	-0.49	5.40	-0.09	-1.59e-03	0.0	-2.45e-04
1103	209	4.27	0.20	-0.07	-4.56e-05	0.0	-3.72e-04
1103	232	-0.55	6.31	-0.10	-1.86e-03	0.0	-2.93e-04
1104	4	0.01	0.41	-0.43	-1.26e-04	0.0	2.33e-06
1104	18	0.01	0.65	-0.38	-2.15e-04	0.0	3.61e-06
1104	68	9.94e-03	0.28	-0.30	-8.36e-05	0.0	1.55e-06
1104	75	8.70e-03	0.44	-0.26	-1.43e-04	0.0	2.40e-06
1104	98	8.06e-03	0.03	-0.24	4.40e-06	0.0	0.0
1104	103	7.66e-03	0.11	-0.23	-2.53e-05	0.0	0.0

1104	107	7.62e-03	0.03	-0.22	4.24e-06	0.0	0.0
1104	113	2.61	-3.18e-03	-0.23	1.80e-05	0.0	-2.16e-04
1104	132	-0.22	3.55	-0.34	-1.41e-03	0.0	-1.62e-04
1104	136	-0.36	3.55	-0.34	-1.42e-03	0.0	-1.64e-04
1104	145	2.94	-6.04e-03	-0.23	1.92e-05	0.0	-2.44e-04
1104	164	-0.25	3.99	-0.36	-1.59e-03	0.0	-1.83e-04
1104	168	-0.40	4.00	-0.36	-1.59e-03	0.0	-1.85e-04
1104	177	2.91	-9.94e-04	-0.23	1.72e-05	0.0	-2.42e-04
1104	200	-0.39	3.96	-0.36	-1.58e-03	0.0	-1.88e-04
1104	209	3.40	1.44e-03	-0.23	1.63e-05	0.0	-2.84e-04
1104	232	-0.43	4.63	-0.38	-1.85e-03	0.0	-2.25e-04
1105	4	0.01	0.46	-0.57	-1.18e-04	0.0	2.74e-06
1105	18	0.01	0.74	-0.50	-2.06e-04	0.0	4.25e-06
1105	68	9.45e-03	0.31	-0.40	-7.82e-05	0.0	1.82e-06
1105	75	8.26e-03	0.50	-0.35	-1.37e-04	0.0	2.83e-06
1105	98	7.67e-03	0.03	-0.32	8.13e-06	0.0	0.0
1105	103	7.29e-03	0.12	-0.30	-2.11e-05	0.0	0.0
1105	107	7.25e-03	0.03	-0.30	7.93e-06	0.0	0.0
1105	113	2.94	-0.01	-0.31	2.23e-05	0.0	-2.53e-04
1105	132	-0.25	4.16	-0.42	-1.42e-03	0.0	-1.89e-04
1105	136	-0.41	4.16	-0.42	-1.42e-03	0.0	-1.92e-04
1105	145	3.31	-0.02	-0.31	2.35e-05	0.0	-2.85e-04
1105	164	-0.28	4.68	-0.43	-1.60e-03	0.0	-2.14e-04
1105	168	-0.46	4.68	-0.43	-1.60e-03	0.0	-2.17e-04
1105	177	3.28	-0.01	-0.31	2.16e-05	0.0	-2.83e-04
1105	200	-0.44	4.65	-0.43	-1.59e-03	0.0	-2.20e-04
1105	209	3.84	-8.49e-03	-0.31	2.08e-05	0.0	-3.31e-04
1105	232	-0.49	5.43	-0.45	-1.85e-03	0.0	-2.63e-04
1106	4	0.01	0.51	-0.77	-2.21e-04	8.12e-05	0.0
1106	18	0.01	0.83	-0.67	-1.92e-04	7.26e-05	0.0
1106	68	8.29e-03	0.34	-0.53	-1.53e-04	5.71e-05	0.0
1106	75	7.25e-03	0.55	-0.47	-1.33e-04	5.14e-05	0.0
1106	98	6.72e-03	0.02	-0.43	-1.21e-04	4.69e-05	0.0
1106	103	6.38e-03	0.13	-0.41	-1.15e-04	4.51e-05	0.0
1106	107	6.35e-03	0.02	-0.41	-1.14e-04	4.47e-05	0.0
1106	113	3.27	-0.02	-0.41	-1.28e-04	1.33e-03	-3.35e-04
1106	124	2.03	4.55	-0.52	-1.60e-04	8.70e-04	1.63e-05
1106	136	-0.45	4.78	-0.52	-1.51e-04	-1.90e-04	-2.45e-04
1106	145	3.68	-0.03	-0.42	-1.29e-04	1.49e-03	-3.77e-04
1106	156	2.29	5.12	-0.53	-1.65e-04	9.73e-04	1.89e-05
1106	168	-0.51	5.38	-0.53	-1.56e-04	-2.19e-04	-2.77e-04
1106	177	3.65	-0.02	-0.42	-1.29e-04	1.46e-03	-3.77e-04
1106	196	-0.31	5.32	-0.53	-1.57e-04	-1.14e-04	-2.78e-04
1106	200	-0.49	5.34	-0.53	-1.56e-04	-2.14e-04	-2.84e-04
1106	209	4.27	-0.02	-0.42	-1.32e-04	1.68e-03	-4.43e-04
1106	232	-0.55	6.23	-0.55	-1.63e-04	-2.49e-04	-3.41e-04
1107	4	0.03	0.28	-0.02	-1.42e-04	0.0	6.00e-06
1107	41	0.01	-0.48	-0.03	2.23e-04	0.0	-1.28e-06
1107	43	0.02	-0.48	-0.03	2.21e-04	0.0	0.0
1107	68	0.02	0.19	-0.02	-9.53e-05	0.0	4.16e-06
1107	85	9.91e-03	-0.32	-0.02	1.48e-04	0.0	0.0
1107	87	0.02	-0.32	-0.02	1.47e-04	0.0	0.0
1107	98	0.02	-2.94e-04	-0.02	-4.83e-06	0.0	2.49e-06
1107	104	0.01	-0.06	-0.02	2.64e-05	0.0	1.26e-06
1107	105	0.02	-0.06	-0.02	2.57e-05	0.0	1.90e-06
1107	106	0.01	1.55e-05	-0.02	-3.95e-06	0.0	1.74e-06
1107	107	0.02	-2.50e-04	-0.02	-4.71e-06	0.0	2.39e-06
1107	112	2.37	2.69	-0.07	-1.11e-03	0.0	-1.87e-04
1107	113	1.87	0.95	-0.09	-4.02e-04	0.0	-2.36e-04
1107	139	-1.32	-3.47	-0.03	1.41e-03	0.0	-1.27e-05
1107	144	2.66	3.03	-0.08	-1.25e-03	0.0	-2.11e-04
1107	145	2.10	1.07	-0.09	-4.52e-04	0.0	-2.66e-04
1107	171	-1.49	-3.91	-0.03	1.59e-03	0.0	-1.44e-05
1107	176	2.64	3.02	-0.08	-1.25e-03	0.0	-2.10e-04
1107	177	2.08	1.06	-0.09	-4.51e-04	0.0	-2.65e-04
1107	203	-1.49	-3.90	-0.03	1.59e-03	0.0	-1.19e-05
1107	208	3.09	3.53	-0.09	-1.46e-03	0.0	-2.47e-04
1107	209	2.44	1.25	-0.11	-5.30e-04	0.0	-3.11e-04
1107	235	-1.76	-4.59	-0.03	1.87e-03	0.0	-1.26e-05
1108	4	0.02	0.41	-0.02	-1.42e-04	0.0	7.75e-06
1108	41	0.01	-0.68	-0.03	2.22e-04	0.0	-4.37e-06
1108	45	6.97e-03	-0.68	-0.02	2.24e-04	0.0	-5.02e-06
1108	68	0.02	0.27	-0.02	-9.54e-05	0.0	5.31e-06
1108	85	7.61e-03	-0.45	-0.02	1.48e-04	0.0	-2.77e-06
1108	98	0.01	3.90e-03	-0.02	-4.89e-06	0.0	2.27e-06

1108	103	0.01	0.09	-0.02	-3.47e-05	0.0	3.02e-06
1108	104	7.71e-03	-0.09	-0.02	2.64e-05	0.0	0.0
1108	106	7.74e-03	3.44e-03	-0.02	-4.00e-06	0.0	1.53e-06
1108	107	0.01	3.83e-03	-0.02	-4.76e-06	0.0	2.16e-06
1108	113	2.95	1.29	-0.09	-4.01e-04	0.0	-2.58e-04
1108	136	-0.40	4.70	-8.80e-03	-1.42e-03	0.0	-1.95e-04
1108	145	3.32	1.46	-0.10	-4.51e-04	0.0	-2.90e-04
1108	168	-0.45	5.29	-7.41e-03	-1.60e-03	0.0	-2.21e-04
1108	177	3.29	1.45	-0.10	-4.50e-04	0.0	-2.89e-04
1108	200	-0.43	5.29	-7.90e-03	-1.60e-03	0.0	-2.24e-04
1108	209	3.85	1.71	-0.11	-5.29e-04	0.0	-3.39e-04
1108	232	-0.49	6.22	-6.35e-03	-1.88e-03	0.0	-2.68e-04
1109	28	9.59e-03	-0.46	-0.02	1.29e-04	0.0	-1.75e-06
1109	41	4.75e-03	-0.77	-0.03	2.22e-04	0.0	-6.51e-06
1109	45	3.24e-03	-0.77	-0.02	2.24e-04	0.0	-6.98e-06
1109	75	5.70e-03	0.52	-0.02	-1.55e-04	0.0	7.28e-06
1109	80	6.68e-03	-0.31	-0.02	8.56e-05	0.0	-1.08e-06
1109	85	3.45e-03	-0.51	-0.02	1.48e-04	0.0	-4.26e-06
1109	98	5.43e-03	6.05e-03	-0.02	-4.94e-06	0.0	1.68e-06
1109	103	5.13e-03	0.11	-0.02	-3.48e-05	0.0	2.68e-06
1109	104	3.38e-03	-0.10	-0.02	2.63e-05	0.0	0.0
1109	106	3.37e-03	5.20e-03	-0.02	-4.04e-06	0.0	1.03e-06
1109	107	5.14e-03	5.93e-03	-0.02	-4.81e-06	0.0	1.59e-06
1109	113	3.27	1.47	-0.09	-4.00e-04	0.0	-2.85e-04
1109	136	-0.46	5.31	-8.79e-03	-1.42e-03	0.0	-2.16e-04
1109	145	3.68	1.65	-0.10	-4.50e-04	0.0	-3.21e-04
1109	168	-0.51	5.98	-7.40e-03	-1.60e-03	0.0	-2.44e-04
1109	177	3.64	1.65	-0.10	-4.49e-04	0.0	-3.19e-04
1109	200	-0.49	5.98	-7.89e-03	-1.60e-03	0.0	-2.48e-04
1109	209	4.26	1.93	-0.11	-5.28e-04	0.0	-3.75e-04
1109	232	-0.55	7.03	-6.34e-03	-1.88e-03	0.0	-2.96e-04
1110	4	0.03	0.35	-0.02	-1.42e-04	0.0	6.99e-06
1110	41	0.01	-0.58	-0.03	2.23e-04	0.0	-2.51e-06
1110	45	8.75e-03	-0.58	-0.02	2.24e-04	0.0	-3.25e-06
1110	68	0.02	0.23	-0.02	-9.53e-05	0.0	4.83e-06
1110	85	9.72e-03	-0.39	-0.02	1.48e-04	0.0	-1.51e-06
1110	98	0.02	1.79e-03	-0.02	-4.85e-06	0.0	2.52e-06
1110	103	0.02	0.08	-0.02	-3.47e-05	0.0	3.02e-06
1110	104	0.01	-0.08	-0.02	2.64e-05	0.0	1.10e-06
1110	106	0.01	1.72e-03	-0.02	-3.96e-06	0.0	1.75e-06
1110	107	0.02	1.78e-03	-0.02	-4.72e-06	0.0	2.41e-06
1110	113	2.62	1.12	-0.09	-4.02e-04	0.0	-2.23e-04
1110	136	-0.35	4.08	-8.89e-03	-1.42e-03	0.0	-1.70e-04
1110	145	2.95	1.26	-0.10	-4.52e-04	0.0	-2.51e-04
1110	168	-0.39	4.60	-7.51e-03	-1.60e-03	0.0	-1.92e-04
1110	177	2.92	1.26	-0.10	-4.51e-04	0.0	-2.50e-04
1110	200	-0.38	4.60	-8.00e-03	-1.60e-03	0.0	-1.95e-04
1110	209	3.42	1.48	-0.11	-5.30e-04	0.0	-2.93e-04
1110	232	-0.42	5.40	-6.46e-03	-1.88e-03	0.0	-2.33e-04
1111	4	0.03	0.35	-0.03	-1.43e-04	0.0	6.90e-06
1111	41	0.01	-0.58	-0.03	2.25e-04	0.0	-2.60e-06
1111	45	8.08e-03	-0.58	-0.03	2.26e-04	0.0	-3.31e-06
1111	68	0.02	0.23	-0.02	-9.59e-05	0.0	4.76e-06
1111	85	8.97e-03	-0.39	-0.03	1.49e-04	0.0	-1.57e-06
1111	98	0.02	3.09e-03	-0.02	-4.54e-06	0.0	2.46e-06
1111	103	0.01	0.08	-0.02	-3.47e-05	0.0	2.96e-06
1111	104	9.29e-03	-0.08	-0.03	2.69e-05	0.0	1.05e-06
1111	106	9.37e-03	2.62e-03	-0.03	-3.69e-06	0.0	1.70e-06
1111	107	0.01	3.02e-03	-0.02	-4.42e-06	0.0	2.35e-06
1111	113	2.62	0.99	-0.02	-3.58e-04	0.0	-2.27e-04
1111	115	-2.03	-3.03	-0.03	1.06e-03	0.0	2.89e-04
1111	136	-0.35	4.03	-0.02	-1.40e-03	0.0	-1.73e-04
1111	145	2.94	1.12	-0.02	-4.04e-04	0.0	-2.56e-04
1111	147	-2.29	-3.42	-0.03	1.19e-03	0.0	3.25e-04
1111	168	-0.40	4.54	-0.02	-1.58e-03	0.0	-1.95e-04
1111	177	2.92	1.11	-0.02	-4.03e-04	0.0	-2.54e-04
1111	179	-2.27	-3.40	-0.03	1.18e-03	0.0	3.24e-04
1111	200	-0.38	4.54	-0.02	-1.58e-03	0.0	-1.98e-04
1111	209	3.41	1.31	-0.02	-4.74e-04	0.0	-2.98e-04
1111	211	-2.66	-3.98	-0.03	1.39e-03	0.0	3.80e-04
1111	232	-0.42	5.33	-0.02	-1.85e-03	0.0	-2.37e-04
1112	4	0.03	0.29	-0.03	-1.43e-04	0.0	6.19e-06
1112	41	0.01	-0.48	-0.03	2.25e-04	0.0	-1.22e-06
1112	45	8.57e-03	-0.48	-0.03	2.26e-04	0.0	-1.97e-06
1112	68	0.02	0.19	-0.02	-9.59e-05	0.0	4.30e-06

1112	85	9.64e-03	-0.32	-0.03	1.49e-04	0.0	0.0
1112	98	0.02	1.10e-03	-0.02	-4.56e-06	0.0	2.58e-06
1112	103	0.02	0.06	-0.02	-3.47e-05	0.0	2.88e-06
1112	104	0.01	-0.06	-0.03	2.69e-05	0.0	1.32e-06
1112	106	0.01	1.00e-03	-0.03	-3.71e-06	0.0	1.81e-06
1112	107	0.02	1.09e-03	-0.02	-4.44e-06	0.0	2.47e-06
1112	112	2.38	2.58	-0.02	-1.07e-03	0.0	-2.52e-04
1112	115	-2.35	-2.58	-0.03	1.06e-03	0.0	2.56e-04
1112	136	1.36	3.43	-0.02	-1.40e-03	0.0	-1.53e-04
1112	144	2.68	2.90	-0.02	-1.20e-03	0.0	-2.84e-04
1112	147	-2.65	-2.90	-0.03	1.19e-03	0.0	2.89e-04
1112	168	1.53	3.86	-0.02	-1.58e-03	0.0	-1.73e-04
1112	176	2.65	2.89	-0.02	-1.19e-03	0.0	-2.83e-04
1112	179	-2.62	-2.88	-0.03	1.19e-03	0.0	2.88e-04
1112	200	1.53	3.85	-0.02	-1.58e-03	0.0	-1.76e-04
1112	208	3.10	3.38	-0.02	-1.40e-03	0.0	-3.32e-04
1112	211	-3.07	-3.38	-0.03	1.39e-03	0.0	3.37e-04
1112	232	1.80	4.53	-0.02	-1.85e-03	0.0	-2.11e-04
1113	4	0.02	0.41	-0.03	-1.43e-04	0.0	7.68e-06
1113	41	9.59e-03	-0.68	-0.03	2.25e-04	0.0	-4.24e-06
1113	45	6.40e-03	-0.68	-0.03	2.26e-04	0.0	-4.90e-06
1113	68	0.01	0.27	-0.02	-9.58e-05	0.0	5.26e-06
1113	75	0.01	0.45	-0.02	-1.56e-04	0.0	6.61e-06
1113	85	7.00e-03	-0.45	-0.03	1.50e-04	0.0	-2.69e-06
1113	98	0.01	5.05e-03	-0.02	-4.45e-06	0.0	2.29e-06
1113	103	0.01	0.09	-0.02	-3.46e-05	0.0	3.02e-06
1113	104	7.11e-03	-0.09	-0.03	2.70e-05	0.0	0.0
1113	106	7.14e-03	4.21e-03	-0.03	-3.62e-06	0.0	1.54e-06
1113	107	0.01	4.93e-03	-0.02	-4.33e-06	0.0	2.19e-06
1113	113	2.95	1.15	-0.02	-3.58e-04	0.0	-2.58e-04
1113	115	-2.30	-3.49	-0.03	1.06e-03	0.0	3.27e-04
1113	136	-0.40	4.64	-0.02	-1.40e-03	0.0	-1.96e-04
1113	145	3.32	1.29	-0.02	-4.03e-04	0.0	-2.91e-04
1113	147	-2.59	-3.93	-0.03	1.19e-03	0.0	3.68e-04
1113	168	-0.45	5.23	-0.02	-1.58e-03	0.0	-2.21e-04
1113	177	3.29	1.29	-0.02	-4.02e-04	0.0	-2.89e-04
1113	179	-2.57	-3.91	-0.03	1.18e-03	0.0	3.67e-04
1113	200	-0.43	5.22	-0.02	-1.58e-03	0.0	-2.24e-04
1113	209	3.85	1.51	-0.02	-4.73e-04	0.0	-3.39e-04
1113	211	-3.01	-4.58	-0.03	1.39e-03	0.0	4.30e-04
1113	232	-0.49	6.13	-0.02	-1.85e-03	0.0	-2.69e-04
1114	18	8.51e-03	0.78	-0.03	-2.33e-04	0.0	1.09e-05
1114	28	9.92e-03	-0.46	-0.03	1.31e-04	0.0	0.0
1114	41	4.85e-03	-0.78	-0.03	2.25e-04	0.0	-5.74e-06
1114	75	5.96e-03	0.52	-0.02	-1.56e-04	0.0	7.41e-06
1114	80	6.90e-03	-0.31	-0.02	8.70e-05	0.0	0.0
1114	85	3.53e-03	-0.52	-0.03	1.50e-04	0.0	-3.71e-06
1114	98	5.64e-03	6.92e-03	-0.02	-4.37e-06	0.0	2.09e-06
1114	103	5.33e-03	0.11	-0.02	-3.45e-05	0.0	3.02e-06
1114	104	3.49e-03	-0.10	-0.03	2.71e-05	0.0	0.0
1114	106	3.49e-03	5.73e-03	-0.03	-3.55e-06	0.0	1.36e-06
1114	107	5.33e-03	6.75e-03	-0.02	-4.25e-06	0.0	1.99e-06
1114	113	3.27	1.30	-0.02	-3.58e-04	0.0	-2.84e-04
1114	115	-2.56	-3.95	-0.03	1.06e-03	0.0	3.59e-04
1114	136	-0.46	5.24	-0.02	-1.40e-03	0.0	-2.15e-04
1114	145	3.68	1.47	-0.02	-4.03e-04	0.0	-3.20e-04
1114	147	-2.88	-4.45	-0.03	1.19e-03	0.0	4.04e-04
1114	168	-0.51	5.91	-0.02	-1.58e-03	0.0	-2.43e-04
1114	177	3.64	1.46	-0.02	-4.02e-04	0.0	-3.18e-04
1114	179	-2.86	-4.42	-0.03	1.18e-03	0.0	4.03e-04
1114	200	-0.49	5.90	-0.02	-1.58e-03	0.0	-2.47e-04
1114	209	4.26	1.72	-0.02	-4.73e-04	0.0	-3.74e-04
1114	211	-3.35	-5.18	-0.03	1.39e-03	0.0	4.72e-04
1114	232	-0.55	6.93	-0.02	-1.85e-03	0.0	-2.95e-04
1115	4	0.02	0.35	-0.02	-1.44e-04	0.0	6.82e-06
1115	41	0.01	-0.58	-0.03	2.27e-04	0.0	-2.64e-06
1115	45	7.53e-03	-0.58	-0.02	2.28e-04	0.0	-3.34e-06
1115	68	0.02	0.24	-0.02	-9.65e-05	0.0	4.70e-06
1115	75	0.02	0.39	-0.02	-1.57e-04	0.0	5.58e-06
1115	85	8.35e-03	-0.39	-0.02	1.51e-04	0.0	-1.60e-06
1115	98	0.01	4.37e-03	-0.02	-4.42e-06	0.0	2.43e-06
1115	103	0.01	0.08	-0.02	-3.48e-05	0.0	2.92e-06
1115	104	8.63e-03	-0.07	-0.02	2.73e-05	0.0	1.02e-06
1115	106	8.70e-03	3.50e-03	-0.02	-3.56e-06	0.0	1.67e-06
1115	107	0.01	4.25e-03	-0.02	-4.30e-06	0.0	2.32e-06

1115	111	-2.59	-2.79	-0.09	9.98e-04	0.0	2.37e-04
1115	113	2.62	0.86	0.03	-3.19e-04	0.0	-2.31e-04
1115	136	-0.35	3.97	0.02	-1.40e-03	0.0	-1.77e-04
1115	143	-2.92	-3.15	-0.10	1.12e-03	0.0	2.66e-04
1115	145	2.95	0.97	0.04	-3.59e-04	0.0	-2.61e-04
1115	168	-0.40	4.48	0.02	-1.58e-03	0.0	-2.00e-04
1115	175	-2.89	-3.11	-0.10	1.11e-03	0.0	2.64e-04
1115	177	2.92	0.96	0.04	-3.58e-04	0.0	-2.59e-04
1115	200	-0.38	4.47	0.02	-1.58e-03	0.0	-2.04e-04
1115	207	-3.38	-3.63	-0.11	1.30e-03	0.0	3.09e-04
1115	209	3.41	1.14	0.05	-4.22e-04	0.0	-3.03e-04
1115	232	-0.43	5.24	0.03	-1.85e-03	0.0	-2.44e-04
1116	4	0.03	0.29	-0.02	-1.44e-04	0.0	6.29e-06
1116	41	0.01	-0.48	-0.03	2.27e-04	0.0	-1.25e-06
1116	45	8.58e-03	-0.49	-0.02	2.28e-04	0.0	-2.01e-06
1116	68	0.02	0.19	-0.02	-9.65e-05	0.0	4.37e-06
1116	85	9.48e-03	-0.32	-0.02	1.51e-04	0.0	0.0
1116	98	0.02	2.46e-03	-0.02	-4.42e-06	0.0	2.59e-06
1116	103	0.01	0.07	-0.02	-3.48e-05	0.0	2.92e-06
1116	104	9.85e-03	-0.06	-0.02	2.73e-05	0.0	1.33e-06
1116	106	9.94e-03	1.96e-03	-0.02	-3.57e-06	0.0	1.83e-06
1116	107	0.01	2.38e-03	-0.02	-4.30e-06	0.0	2.48e-06
1116	111	-2.33	-2.36	-0.09	9.99e-04	0.0	2.19e-04
1116	112	2.36	2.45	0.05	-1.03e-03	0.0	-2.68e-04
1116	136	1.35	3.37	0.02	-1.40e-03	0.0	-1.70e-04
1116	143	-2.63	-2.66	-0.10	1.12e-03	0.0	2.46e-04
1116	144	2.66	2.76	0.06	-1.16e-03	0.0	-3.03e-04
1116	168	1.52	3.79	0.02	-1.58e-03	0.0	-1.92e-04
1116	175	-2.60	-2.63	-0.10	1.11e-03	0.0	2.44e-04
1116	176	2.63	2.74	0.05	-1.16e-03	0.0	-3.01e-04
1116	200	1.52	3.78	0.02	-1.58e-03	0.0	-1.94e-04
1116	207	-3.05	-3.07	-0.11	1.30e-03	0.0	2.85e-04
1116	208	3.08	3.21	0.07	-1.35e-03	0.0	-3.54e-04
1116	232	1.79	4.44	0.03	-1.85e-03	0.0	-2.33e-04
1117	4	0.02	0.41	-0.02	-1.44e-04	0.0	7.69e-06
1117	18	0.02	0.68	-0.02	-2.35e-04	0.0	9.59e-06
1117	41	8.96e-03	-0.68	-0.03	2.27e-04	0.0	-4.02e-06
1117	68	0.01	0.28	-0.02	-9.65e-05	0.0	5.27e-06
1117	75	0.01	0.46	-0.02	-1.57e-04	0.0	6.54e-06
1117	85	6.54e-03	-0.45	-0.02	1.51e-04	0.0	-2.54e-06
1117	98	0.01	6.29e-03	-0.02	-4.39e-06	0.0	2.39e-06
1117	103	0.01	0.10	-0.02	-3.48e-05	0.0	3.08e-06
1117	104	6.65e-03	-0.09	-0.02	2.73e-05	0.0	0.0
1117	106	6.68e-03	5.05e-03	-0.02	-3.54e-06	0.0	1.61e-06
1117	107	0.01	6.11e-03	-0.02	-4.27e-06	0.0	2.28e-06
1117	111	-2.92	-3.23	-0.09	9.97e-04	0.0	2.62e-04
1117	113	2.94	1.00	0.04	-3.19e-04	0.0	-2.59e-04
1117	136	-0.40	4.58	0.02	-1.40e-03	0.0	-1.96e-04
1117	143	-3.29	-3.63	-0.10	1.12e-03	0.0	2.95e-04
1117	145	3.32	1.13	0.04	-3.59e-04	0.0	-2.92e-04
1117	168	-0.45	5.16	0.02	-1.57e-03	0.0	-2.22e-04
1117	175	-3.26	-3.59	-0.10	1.11e-03	0.0	2.93e-04
1117	177	3.29	1.12	0.04	-3.58e-04	0.0	-2.90e-04
1117	200	-0.43	5.15	0.02	-1.57e-03	0.0	-2.25e-04
1117	207	-3.82	-4.20	-0.11	1.30e-03	0.0	3.43e-04
1117	209	3.84	1.32	0.05	-4.22e-04	0.0	-3.40e-04
1117	232	-0.49	6.04	0.03	-1.85e-03	0.0	-2.69e-04
1118	4	0.01	0.48	-0.02	-1.44e-04	0.0	8.71e-06
1118	18	8.86e-03	0.79	-0.02	-2.35e-04	0.0	1.11e-05
1118	41	4.95e-03	-0.78	-0.03	2.27e-04	0.0	-4.88e-06
1118	68	7.14e-03	0.32	-0.02	-9.65e-05	0.0	5.96e-06
1118	75	6.20e-03	0.52	-0.02	-1.57e-04	0.0	7.54e-06
1118	85	3.60e-03	-0.52	-0.02	1.51e-04	0.0	-3.10e-06
1118	98	5.83e-03	8.17e-03	-0.02	-4.37e-06	0.0	2.55e-06
1118	103	5.52e-03	0.11	-0.02	-3.48e-05	0.0	3.40e-06
1118	104	3.60e-03	-0.10	-0.02	2.73e-05	0.0	0.0
1118	106	3.60e-03	6.57e-03	-0.02	-3.52e-06	0.0	1.72e-06
1118	107	5.51e-03	7.94e-03	-0.02	-4.25e-06	0.0	2.43e-06
1118	111	-3.25	-3.66	-0.09	9.96e-04	0.0	2.87e-04
1118	113	3.27	1.14	0.04	-3.19e-04	0.0	-2.84e-04
1118	136	-0.46	5.18	0.02	-1.40e-03	0.0	-2.15e-04
1118	143	-3.66	-4.12	-0.10	1.12e-03	0.0	3.23e-04
1118	145	3.68	1.28	0.04	-3.59e-04	0.0	-3.20e-04
1118	168	-0.51	5.84	0.02	-1.57e-03	0.0	-2.43e-04
1118	175	-3.63	-4.07	-0.10	1.11e-03	0.0	3.21e-04

1118	177	3.64	1.28	0.04	-3.58e-04	0.0	-3.18e-04
1118	200	-0.49	5.83	0.02	-1.57e-03	0.0	-2.47e-04
1118	207	-4.25	-4.76	-0.11	1.30e-03	0.0	3.75e-04
1118	209	4.26	1.50	0.05	-4.21e-04	0.0	-3.73e-04
1118	232	-0.55	6.84	0.03	-1.84e-03	0.0	-2.95e-04
1119	4	3.46e-03	0.07	-0.02	-1.78e-04	0.0	-3.67e-06
1119	18	3.03e-03	0.11	-0.02	-2.75e-04	0.0	-4.00e-06
1119	68	2.40e-03	0.05	-0.01	-1.20e-04	0.0	-2.59e-06
1119	75	2.12e-03	0.07	-0.01	-1.84e-04	0.0	-2.81e-06
1119	98	1.92e-03	7.79e-03	-9.53e-03	-1.78e-05	0.0	-1.78e-06
1119	103	1.83e-03	0.02	-9.24e-03	-5.04e-05	0.0	-1.91e-06
1119	107	1.81e-03	7.53e-03	-9.07e-03	-1.72e-05	0.0	-1.72e-06
1119	108	0.42	0.28	-9.44e-03	-6.90e-04	0.0	-2.99e-05
1119	112	0.42	0.28	-9.33e-03	-7.07e-04	0.0	-3.13e-05
1119	136	0.24	0.55	-9.03e-03	-1.37e-03	0.0	5.34e-06
1119	140	0.48	0.31	-9.48e-03	-7.74e-04	0.0	-3.35e-05
1119	144	0.48	0.32	-9.37e-03	-7.93e-04	0.0	-3.50e-05
1119	168	0.27	0.62	-9.02e-03	-1.54e-03	0.0	6.14e-06
1119	172	0.47	0.30	-9.48e-03	-7.64e-04	0.0	-3.32e-05
1119	176	0.47	0.31	-9.37e-03	-7.86e-04	0.0	-3.49e-05
1119	200	0.27	0.61	-9.03e-03	-1.53e-03	0.0	5.29e-06
1119	204	0.55	0.35	-9.55e-03	-8.88e-04	0.0	-3.86e-05
1119	208	0.55	0.37	-9.42e-03	-9.16e-04	0.0	-4.07e-05
1119	232	0.32	0.71	-9.02e-03	-1.78e-03	0.0	5.92e-06
1120	1	0.0	0.0	0.0	-1.69e-04	0.0	0.0
1120	65	0.0	0.0	0.0	-1.14e-04	0.0	0.0
1120	97	0.0	0.0	0.0	-1.43e-05	0.0	0.0
1120	106	0.0	0.0	0.0	-1.43e-05	0.0	0.0
1120	108	0.0	0.0	0.0	-6.89e-04	0.0	-3.33e-06
1120	140	0.0	0.0	0.0	-7.73e-04	0.0	-3.71e-06
1120	172	0.0	0.0	0.0	-7.63e-04	0.0	-3.68e-06
1120	204	0.0	0.0	0.0	-8.87e-04	0.0	-4.25e-06
1121	4	6.14e-03	0.14	-0.03	-1.73e-04	0.0	-7.20e-06
1121	18	5.36e-03	0.22	-0.03	-2.69e-04	0.0	-7.87e-06
1121	68	4.27e-03	0.10	-0.02	-1.16e-04	0.0	-5.07e-06
1121	75	3.75e-03	0.15	-0.02	-1.80e-04	0.0	-5.52e-06
1121	98	3.43e-03	0.01	-0.02	-1.57e-05	0.0	-3.44e-06
1121	103	3.27e-03	0.04	-0.02	-4.80e-05	0.0	-3.72e-06
1121	107	3.24e-03	0.01	-0.02	-1.52e-05	0.0	-3.33e-06
1121	113	0.85	-0.04	-0.02	5.24e-05	0.0	-8.61e-05
1121	124	0.53	1.05	-0.02	-1.32e-03	0.0	1.66e-05
1121	136	-0.12	1.10	-0.02	-1.38e-03	0.0	7.75e-06
1121	145	0.96	-0.05	-0.02	6.04e-05	0.0	-9.66e-05
1121	156	0.60	1.18	-0.02	-1.48e-03	0.0	1.92e-05
1121	168	-0.13	1.23	-0.02	-1.55e-03	0.0	9.01e-06
1121	177	0.95	-0.04	-0.02	5.77e-05	0.0	-9.58e-05
1121	188	0.59	1.16	-0.02	-1.46e-03	0.0	1.96e-05
1121	200	-0.12	1.22	-0.02	-1.54e-03	0.0	7.46e-06
1121	209	1.11	-0.05	-0.02	6.70e-05	0.0	-1.12e-04
1121	220	0.69	1.35	-0.02	-1.69e-03	0.0	2.41e-05
1121	232	-0.14	1.43	-0.02	-1.79e-03	0.0	8.26e-06
1122	4	8.75e-03	0.21	-0.04	-1.65e-04	0.0	-1.00e-05
1122	18	7.62e-03	0.33	-0.04	-2.60e-04	0.0	-1.09e-05
1122	68	6.08e-03	0.14	-0.03	-1.11e-04	0.0	-7.05e-06
1122	75	5.33e-03	0.22	-0.03	-1.74e-04	0.0	-7.65e-06
1122	98	4.91e-03	0.02	-0.02	-1.23e-05	0.0	-4.80e-06
1122	103	4.67e-03	0.06	-0.02	-4.41e-05	0.0	-5.18e-06
1122	107	4.64e-03	0.02	-0.02	-1.19e-05	0.0	-4.64e-06
1122	113	1.28	-0.06	-0.02	5.50e-05	0.0	-1.29e-04
1122	124	0.80	1.58	-0.03	-1.33e-03	0.0	2.00e-05
1122	136	-0.17	1.65	-0.03	-1.38e-03	0.0	8.07e-06
1122	145	1.44	-0.07	-0.02	6.29e-05	0.0	-1.44e-04
1122	156	0.90	1.78	-0.03	-1.49e-03	0.0	2.33e-05
1122	168	-0.20	1.86	-0.03	-1.56e-03	0.0	9.50e-06
1122	177	1.43	-0.07	-0.02	6.03e-05	0.0	-1.43e-04
1122	188	0.89	1.75	-0.03	-1.46e-03	0.0	2.40e-05
1122	200	-0.19	1.84	-0.03	-1.54e-03	0.0	7.51e-06
1122	209	1.67	-0.08	-0.02	6.95e-05	0.0	-1.67e-04
1122	224	0.97	2.04	-0.03	-1.71e-03	0.0	2.59e-05
1122	232	-0.21	2.15	-0.03	-1.80e-03	0.0	8.23e-06
1123	4	3.54e-03	0.07	-4.15e-03	-1.71e-04	0.0	-5.73e-06
1123	18	3.09e-03	0.11	-3.87e-03	-2.67e-04	0.0	-6.33e-06
1123	68	2.45e-03	0.05	-3.00e-03	-1.15e-04	0.0	-4.03e-06
1123	75	2.16e-03	0.07	-2.82e-03	-1.79e-04	0.0	-4.44e-06
1123	98	1.96e-03	6.33e-03	-2.62e-03	-1.45e-05	0.0	-2.68e-06

1123	103	1.87e-03	0.02	-2.57e-03	-4.68e-05	0.0	-2.93e-06
1123	107	1.85e-03	6.12e-03	-2.55e-03	-1.40e-05	0.0	-2.60e-06
1123	112	0.42	0.26	-2.59e-03	-6.57e-04	0.0	-3.06e-05
1123	134	0.04	0.49	-3.38e-03	-1.21e-03	0.0	2.75e-05
1123	136	0.24	0.55	-3.28e-03	-1.37e-03	0.0	6.84e-06
1123	144	0.47	0.30	-2.60e-03	-7.38e-04	0.0	-3.41e-05
1123	166	0.04	0.55	-3.49e-03	-1.36e-03	0.0	3.12e-05
1123	168	0.27	0.62	-3.38e-03	-1.54e-03	0.0	7.93e-06
1123	176	0.47	0.29	-2.61e-03	-7.31e-04	0.0	-3.41e-05
1123	198	0.04	0.54	-3.47e-03	-1.35e-03	0.0	3.04e-05
1123	200	0.27	0.61	-3.37e-03	-1.53e-03	0.0	6.93e-06
1123	208	0.55	0.34	-2.63e-03	-8.51e-04	0.0	-3.96e-05
1123	230	0.05	0.63	-3.62e-03	-1.57e-03	0.0	3.59e-05
1123	232	0.32	0.71	-3.51e-03	-1.78e-03	0.0	7.93e-06
1124	1	0.0	0.0	0.0	-1.64e-04	0.0	0.0
1124	65	0.0	0.0	0.0	-1.10e-04	0.0	0.0
1124	97	0.0	0.0	0.0	-1.16e-05	0.0	0.0
1124	106	0.0	0.0	0.0	-1.16e-05	0.0	0.0
1124	108	0.0	0.0	0.0	-6.43e-04	0.0	-3.27e-06
1124	140	0.0	0.0	0.0	-7.22e-04	0.0	-3.63e-06
1124	172	0.0	0.0	0.0	-7.13e-04	0.0	-3.60e-06
1124	204	0.0	0.0	0.0	-8.28e-04	0.0	-4.14e-06
1125	4	6.25e-03	0.14	-7.50e-03	-1.67e-04	0.0	-1.08e-05
1125	18	5.45e-03	0.21	-6.97e-03	-2.62e-04	0.0	-1.19e-05
1125	68	4.34e-03	0.09	-5.41e-03	-1.12e-04	0.0	-7.59e-06
1125	75	3.81e-03	0.14	-5.06e-03	-1.76e-04	0.0	-8.34e-06
1125	98	3.49e-03	0.01	-4.72e-03	-1.28e-05	0.0	-5.07e-06
1125	103	3.32e-03	0.04	-4.61e-03	-4.48e-05	0.0	-5.52e-06
1125	107	3.29e-03	0.01	-4.57e-03	-1.23e-05	0.0	-4.90e-06
1125	113	0.85	-0.09	-3.96e-03	1.10e-04	0.0	-8.67e-05
1125	134	-0.52	0.97	-5.80e-03	-1.21e-03	0.0	5.46e-05
1125	136	-0.12	1.10	-5.66e-03	-1.37e-03	0.0	1.18e-05
1125	145	0.96	-0.10	-3.89e-03	1.25e-04	0.0	-9.71e-05
1125	166	-0.59	1.09	-5.96e-03	-1.36e-03	0.0	6.20e-05
1125	168	-0.13	1.23	-5.80e-03	-1.54e-03	0.0	1.38e-05
1125	177	0.95	-0.10	-3.92e-03	1.22e-04	0.0	-9.61e-05
1125	198	-0.59	1.08	-5.93e-03	-1.35e-03	0.0	6.05e-05
1125	200	-0.12	1.22	-5.79e-03	-1.53e-03	0.0	1.18e-05
1125	209	1.11	-0.11	-3.82e-03	1.41e-04	0.0	-1.12e-04
1125	230	-0.68	1.25	-6.15e-03	-1.56e-03	0.0	7.14e-05
1125	232	-0.14	1.42	-5.98e-03	-1.78e-03	0.0	1.35e-05
1126	4	8.83e-03	0.20	-0.01	-1.60e-04	0.0	-1.48e-05
1126	18	7.70e-03	0.32	-9.61e-03	-2.55e-04	0.0	-1.62e-05
1126	68	6.14e-03	0.14	-7.47e-03	-1.08e-04	0.0	-1.04e-05
1126	75	5.38e-03	0.21	-6.96e-03	-1.71e-04	0.0	-1.14e-05
1126	98	4.94e-03	0.02	-6.49e-03	-1.01e-05	0.0	-7.02e-06
1126	103	4.70e-03	0.06	-6.34e-03	-4.18e-05	0.0	-7.62e-06
1126	107	4.67e-03	0.02	-6.29e-03	-9.74e-06	0.0	-6.79e-06
1126	113	1.28	-0.13	-5.58e-03	1.11e-04	0.0	-1.29e-04
1126	134	-0.79	1.46	-7.69e-03	-1.21e-03	0.0	7.78e-05
1126	136	-0.17	1.65	-7.52e-03	-1.37e-03	0.0	1.31e-05
1126	145	1.44	-0.15	-5.49e-03	1.26e-04	0.0	-1.44e-04
1126	166	-0.89	1.64	-7.87e-03	-1.36e-03	0.0	8.84e-05
1126	168	-0.20	1.85	-7.67e-03	-1.54e-03	0.0	1.53e-05
1126	177	1.43	-0.15	-5.53e-03	1.22e-04	0.0	-1.43e-04
1126	198	-0.88	1.62	-7.84e-03	-1.34e-03	0.0	8.65e-05
1126	200	-0.19	1.83	-7.66e-03	-1.52e-03	0.0	1.28e-05
1126	209	1.67	-0.17	-5.42e-03	1.42e-04	0.0	-1.67e-04
1126	230	-1.03	1.88	-8.09e-03	-1.56e-03	0.0	1.02e-04
1126	232	-0.21	2.13	-7.88e-03	-1.78e-03	0.0	1.44e-05
1127	4	3.46e-03	0.07	-2.04e-03	-1.62e-04	0.0	-6.37e-06
1127	18	3.02e-03	0.10	-2.00e-03	-2.58e-04	0.0	-7.05e-06
1127	68	2.40e-03	0.04	-1.54e-03	-1.09e-04	0.0	-4.49e-06
1127	75	2.11e-03	0.07	-1.51e-03	-1.73e-04	0.0	-4.94e-06
1127	98	1.91e-03	4.62e-03	-1.48e-03	-1.07e-05	0.0	-2.99e-06
1127	103	1.82e-03	0.02	-1.47e-03	-4.26e-05	0.0	-3.27e-06
1127	107	1.80e-03	4.46e-03	-1.47e-03	-1.03e-05	0.0	-2.90e-06
1127	112	0.42	0.24	-2.78e-03	-6.09e-04	0.0	-3.05e-05
1127	113	0.33	-0.07	-3.18e-03	1.68e-04	0.0	-4.26e-05
1127	136	0.24	0.55	-1.18e-03	-1.37e-03	0.0	6.96e-06
1127	144	0.47	0.27	-2.95e-03	-6.85e-04	0.0	-3.40e-05
1127	145	0.37	-0.08	-3.39e-03	1.90e-04	0.0	-4.76e-05
1127	168	0.27	0.62	-1.14e-03	-1.54e-03	0.0	8.09e-06
1127	176	0.47	0.27	-2.93e-03	-6.78e-04	0.0	-3.40e-05
1127	177	0.37	-0.07	-3.37e-03	1.86e-04	0.0	-4.72e-05

1127	200	0.27	0.61	-1.16e-03	-1.52e-03	0.0	7.06e-06
1127	208	0.55	0.32	-3.18e-03	-7.89e-04	0.0	-3.94e-05
1127	209	0.43	-0.09	-3.69e-03	2.16e-04	0.0	-5.47e-05
1127	232	0.32	0.71	-1.12e-03	-1.77e-03	0.0	8.11e-06
1128	1	0.0	0.0	0.0	-1.57e-04	0.0	0.0
1128	65	0.0	0.0	0.0	-1.06e-04	0.0	0.0
1128	97	0.0	0.0	0.0	-8.47e-06	0.0	0.0
1128	106	0.0	0.0	0.0	-8.47e-06	0.0	0.0
1128	108	0.0	0.0	0.0	-5.99e-04	0.0	-3.28e-06
1128	140	0.0	0.0	0.0	-6.72e-04	0.0	-3.63e-06
1128	172	0.0	0.0	0.0	-6.63e-04	0.0	-3.60e-06
1128	204	0.0	0.0	0.0	-7.71e-04	0.0	-4.13e-06
1129	4	6.22e-03	0.13	-3.59e-03	-1.60e-04	0.0	-1.19e-05
1129	18	5.42e-03	0.21	-3.50e-03	-2.55e-04	0.0	-1.31e-05
1129	68	4.32e-03	0.09	-2.70e-03	-1.07e-04	0.0	-8.36e-06
1129	75	3.79e-03	0.14	-2.64e-03	-1.71e-04	0.0	-9.18e-06
1129	98	3.46e-03	8.89e-03	-2.59e-03	-9.50e-06	0.0	-5.60e-06
1129	103	3.29e-03	0.03	-2.57e-03	-4.13e-05	0.0	-6.10e-06
1129	107	3.27e-03	8.59e-03	-2.57e-03	-9.18e-06	0.0	-5.43e-06
1129	113	0.85	-0.13	-5.06e-03	1.68e-04	0.0	-8.68e-05
1129	136	-0.12	1.10	-2.18e-03	-1.36e-03	0.0	1.28e-05
1129	145	0.96	-0.15	-5.38e-03	1.89e-04	0.0	-9.71e-05
1129	168	-0.13	1.23	-2.13e-03	-1.53e-03	0.0	1.49e-05
1129	177	0.95	-0.15	-5.35e-03	1.85e-04	0.0	-9.61e-05
1129	200	-0.12	1.22	-2.15e-03	-1.52e-03	0.0	1.28e-05
1129	209	1.11	-0.17	-5.82e-03	2.15e-04	0.0	-1.12e-04
1129	232	-0.14	1.42	-2.09e-03	-1.77e-03	0.0	1.47e-05
1130	4	8.80e-03	0.19	-4.83e-03	-1.56e-04	0.0	-1.61e-05
1130	18	7.66e-03	0.31	-4.71e-03	-2.50e-04	0.0	-1.77e-05
1130	68	6.11e-03	0.13	-3.64e-03	-1.05e-04	0.0	-1.13e-05
1130	75	5.35e-03	0.21	-3.55e-03	-1.67e-04	0.0	-1.24e-05
1130	98	4.91e-03	0.01	-3.48e-03	-7.71e-06	0.0	-7.69e-06
1130	103	4.67e-03	0.05	-3.45e-03	-3.93e-05	0.0	-8.34e-06
1130	107	4.64e-03	0.01	-3.44e-03	-7.45e-06	0.0	-7.45e-06
1130	113	1.28	-0.20	-6.17e-03	1.67e-04	0.0	-1.29e-04
1130	136	-0.17	1.64	-3.05e-03	-1.35e-03	0.0	1.52e-05
1130	145	1.44	-0.23	-6.51e-03	1.88e-04	0.0	-1.44e-04
1130	168	-0.20	1.85	-3.00e-03	-1.52e-03	0.0	1.78e-05
1130	177	1.43	-0.22	-6.48e-03	1.84e-04	0.0	-1.43e-04
1130	200	-0.19	1.83	-3.02e-03	-1.51e-03	0.0	1.50e-05
1130	209	1.67	-0.26	-6.99e-03	2.13e-04	0.0	-1.66e-04
1130	232	-0.21	2.13	-2.97e-03	-1.76e-03	0.0	1.71e-05
1131	4	3.38e-03	0.06	-1.92e-03	-1.54e-04	0.0	-6.43e-06
1131	18	2.95e-03	0.10	-1.91e-03	-2.49e-04	0.0	-7.10e-06
1131	68	2.34e-03	0.04	-1.47e-03	-1.04e-04	0.0	-4.53e-06
1131	75	2.05e-03	0.07	-1.46e-03	-1.67e-04	0.0	-4.98e-06
1131	98	1.86e-03	2.88e-03	-1.46e-03	-6.83e-06	0.0	-3.04e-06
1131	103	1.77e-03	0.02	-1.45e-03	-3.85e-05	0.0	-3.31e-06
1131	107	1.75e-03	2.78e-03	-1.45e-03	-6.59e-06	0.0	-2.94e-06
1131	112	0.42	0.23	1.44e-03	-5.61e-04	0.0	-3.06e-05
1131	114	-0.33	0.10	-5.14e-03	-2.41e-04	0.0	3.67e-05
1131	136	0.24	0.55	-1.99e-03	-1.37e-03	0.0	6.74e-06
1131	144	0.47	0.25	1.81e-03	-6.30e-04	0.0	-3.41e-05
1131	146	-0.37	0.11	-5.61e-03	-2.70e-04	0.0	4.17e-05
1131	168	0.27	0.62	-2.05e-03	-1.54e-03	0.0	7.85e-06
1131	176	0.47	0.25	1.78e-03	-6.23e-04	0.0	-3.41e-05
1131	178	-0.37	0.11	-5.57e-03	-2.65e-04	0.0	4.13e-05
1131	200	0.27	0.61	-2.03e-03	-1.52e-03	0.0	6.81e-06
1131	208	0.55	0.29	2.33e-03	-7.26e-04	0.0	-3.95e-05
1131	210	-0.43	0.12	-6.28e-03	-3.06e-04	0.0	4.88e-05
1131	232	0.32	0.71	-2.09e-03	-1.77e-03	0.0	7.83e-06
1132	1	0.0	0.0	0.0	-1.51e-04	0.0	0.0
1132	65	0.0	0.0	0.0	-1.01e-04	0.0	0.0
1132	97	0.0	0.0	0.0	-5.30e-06	0.0	0.0
1132	106	0.0	0.0	0.0	-5.30e-06	0.0	0.0
1132	108	0.0	0.0	0.0	-5.53e-04	0.0	-3.25e-06
1132	140	0.0	0.0	0.0	-6.22e-04	0.0	-3.59e-06
1132	172	0.0	0.0	0.0	-6.13e-04	0.0	-3.57e-06
1132	204	0.0	0.0	0.0	-7.13e-04	0.0	-4.08e-06
1133	4	6.17e-03	0.12	-3.36e-03	-1.53e-04	0.0	-1.19e-05
1133	18	5.38e-03	0.20	-3.34e-03	-2.48e-04	0.0	-1.31e-05
1133	68	4.28e-03	0.08	-2.57e-03	-1.03e-04	0.0	-8.39e-06
1133	75	3.75e-03	0.13	-2.56e-03	-1.66e-04	0.0	-9.20e-06
1133	98	3.43e-03	5.59e-03	-2.55e-03	-6.28e-06	0.0	-5.66e-06
1133	103	3.26e-03	0.03	-2.54e-03	-3.78e-05	0.0	-6.15e-06

1133	107	3.23e-03	5.40e-03	-2.54e-03	-6.05e-06	0.0	-5.49e-06
1133	113	0.85	-0.18	1.01e-03	2.26e-04	0.0	-8.66e-05
1133	114	-0.84	0.19	-6.09e-03	-2.38e-04	0.0	7.57e-05
1133	136	-0.12	1.10	-3.06e-03	-1.36e-03	0.0	1.26e-05
1133	145	0.95	-0.21	1.45e-03	2.55e-04	0.0	-9.69e-05
1133	146	-0.95	0.22	-6.54e-03	-2.67e-04	0.0	8.59e-05
1133	168	-0.13	1.24	-3.12e-03	-1.53e-03	0.0	1.47e-05
1133	177	0.95	-0.20	1.42e-03	2.50e-04	0.0	-9.59e-05
1133	178	-0.94	0.21	-6.51e-03	-2.62e-04	0.0	8.50e-05
1133	200	-0.12	1.22	-3.09e-03	-1.51e-03	0.0	1.27e-05
1133	209	1.11	-0.23	2.10e-03	2.90e-04	0.0	-1.11e-04
1133	210	-1.10	0.24	-7.18e-03	-3.02e-04	0.0	1.00e-04
1133	232	-0.14	1.42	-3.16e-03	-1.76e-03	0.0	1.45e-05
1134	4	8.75e-03	0.18	-4.50e-03	-1.52e-04	0.0	-1.61e-05
1134	18	7.61e-03	0.30	-4.48e-03	-2.46e-04	0.0	-1.76e-05
1134	68	6.07e-03	0.12	-3.45e-03	-1.01e-04	0.0	-1.13e-05
1134	75	5.31e-03	0.20	-3.43e-03	-1.64e-04	0.0	-1.24e-05
1134	98	4.88e-03	8.00e-03	-3.42e-03	-5.43e-06	0.0	-7.74e-06
1134	103	4.63e-03	0.05	-3.41e-03	-3.69e-05	0.0	-8.37e-06
1134	107	4.60e-03	7.72e-03	-3.41e-03	-5.23e-06	0.0	-7.50e-06
1134	113	1.28	-0.27	-2.63e-03	2.23e-04	0.0	-1.29e-04
1134	114	-1.27	0.29	-4.19e-03	-2.34e-04	0.0	1.14e-04
1134	136	-0.17	1.64	-3.53e-03	-1.34e-03	0.0	1.57e-05
1134	145	1.44	-0.31	-2.54e-03	2.51e-04	0.0	-1.44e-04
1134	146	-1.43	0.32	-4.29e-03	-2.62e-04	0.0	1.29e-04
1134	168	-0.20	1.84	-3.55e-03	-1.51e-03	0.0	1.83e-05
1134	177	1.43	-0.30	-2.56e-03	2.47e-04	0.0	-1.42e-04
1134	178	-1.42	0.32	-4.26e-03	-2.57e-04	0.0	1.27e-04
1134	200	-0.19	1.82	-3.54e-03	-1.49e-03	0.0	1.55e-05
1134	209	1.67	-0.35	-2.41e-03	2.86e-04	0.0	-1.66e-04
1134	210	-1.66	0.36	-4.41e-03	-2.97e-04	0.0	1.51e-04
1134	232	-0.21	2.12	-3.56e-03	-1.74e-03	0.0	1.76e-05
1135	4	3.34e-03	0.06	-3.09e-03	-1.47e-04	0.0	-6.38e-06
1135	18	2.91e-03	0.10	-3.03e-03	-2.41e-04	0.0	-7.05e-06
1135	68	2.31e-03	0.04	-2.34e-03	-9.84e-05	0.0	-4.50e-06
1135	75	2.02e-03	0.06	-2.30e-03	-1.61e-04	0.0	-4.94e-06
1135	98	1.83e-03	1.17e-03	-2.28e-03	-3.37e-06	0.0	-3.02e-06
1135	103	1.74e-03	0.01	-2.27e-03	-3.47e-05	0.0	-3.29e-06
1135	107	1.72e-03	1.12e-03	-2.27e-03	-3.24e-06	0.0	-2.93e-06
1135	113	0.42	-0.12	-0.06	2.83e-04	0.0	-4.26e-05
1135	132	-0.03	0.55	3.21e-03	-1.37e-03	0.0	6.93e-06
1135	145	0.47	-0.13	-0.07	3.18e-04	0.0	-4.76e-05
1135	168	-0.06	0.62	7.56e-03	-1.54e-03	0.0	7.72e-06
1135	177	0.47	-0.13	-0.07	3.13e-04	0.0	-4.72e-05
1135	200	-0.06	0.61	7.15e-03	-1.52e-03	0.0	6.69e-06
1135	209	0.55	-0.15	-0.08	3.63e-04	0.0	-5.47e-05
1135	232	-0.07	0.71	8.27e-03	-1.77e-03	0.0	7.69e-06
1136	1	0.0	0.0	0.0	-1.45e-04	0.0	0.0
1136	65	0.0	0.0	0.0	-9.68e-05	0.0	0.0
1136	97	0.0	0.0	0.0	-2.41e-06	0.0	0.0
1136	106	0.0	0.0	0.0	-2.41e-06	0.0	0.0
1136	108	0.0	0.0	0.0	-5.12e-04	0.0	-3.18e-06
1136	140	0.0	0.0	0.0	-5.75e-04	0.0	-3.51e-06
1136	172	0.0	0.0	0.0	-5.67e-04	0.0	-3.49e-06
1136	204	0.0	0.0	0.0	-6.59e-04	0.0	-4.00e-06
1137	4	6.14e-03	0.12	-5.54e-03	-1.47e-04	0.0	-1.18e-05
1137	18	5.35e-03	0.19	-5.44e-03	-2.41e-04	0.0	-1.30e-05
1137	68	4.26e-03	0.08	-4.21e-03	-9.85e-05	0.0	-8.34e-06
1137	75	3.73e-03	0.13	-4.15e-03	-1.61e-04	0.0	-9.14e-06
1137	98	3.41e-03	2.36e-03	-4.12e-03	-3.38e-06	0.0	-5.63e-06
1137	103	3.24e-03	0.03	-4.10e-03	-3.47e-05	0.0	-6.12e-06
1137	107	3.21e-03	2.27e-03	-4.10e-03	-3.24e-06	0.0	-5.46e-06
1137	113	0.85	-0.23	-0.11	2.80e-04	0.0	-8.66e-05
1137	132	-0.07	1.10	5.24e-03	-1.36e-03	0.0	1.31e-05
1137	145	0.95	-0.26	-0.12	3.15e-04	0.0	-9.68e-05
1137	164	-0.08	1.24	6.39e-03	-1.52e-03	0.0	1.53e-05
1137	177	0.95	-0.25	-0.12	3.09e-04	0.0	-9.59e-05
1137	200	-0.12	1.22	0.01	-1.50e-03	0.0	1.25e-05
1137	209	1.11	-0.29	-0.14	3.59e-04	0.0	-1.11e-04
1137	232	-0.14	1.42	0.01	-1.75e-03	0.0	1.43e-05
1138	4	8.70e-03	0.18	-7.68e-03	-1.48e-04	0.0	-1.60e-05
1138	18	7.57e-03	0.29	-7.58e-03	-2.42e-04	0.0	-1.75e-05
1138	68	6.04e-03	0.12	-5.85e-03	-9.86e-05	0.0	-1.13e-05
1138	75	5.28e-03	0.19	-5.79e-03	-1.61e-04	0.0	-1.23e-05
1138	98	4.84e-03	3.59e-03	-5.76e-03	-3.39e-06	0.0	-7.70e-06

1138	103	4.60e-03	0.04	-5.74e-03	-3.48e-05	0.0	-8.32e-06
1138	107	4.57e-03	3.44e-03	-5.74e-03	-3.25e-06	0.0	-7.46e-06
1138	113	1.28	-0.34	-0.14	2.75e-04	0.0	-1.28e-04
1138	132	-0.11	1.64	5.96e-03	-1.34e-03	0.0	1.66e-05
1138	145	1.44	-0.39	-0.15	3.10e-04	0.0	-1.44e-04
1138	164	-0.12	1.84	7.41e-03	-1.50e-03	0.0	1.95e-05
1138	177	1.43	-0.38	-0.15	3.05e-04	0.0	-1.42e-04
1138	200	-0.19	1.82	0.01	-1.48e-03	0.0	1.55e-05
1138	209	1.67	-0.44	-0.18	3.54e-04	0.0	-1.65e-04
1138	232	-0.21	2.12	0.02	-1.72e-03	0.0	1.76e-05
1139	4	0.01	0.28	-0.05	-1.53e-04	0.0	-1.19e-05
1139	18	0.01	0.44	-0.05	-2.46e-04	0.0	-1.28e-05
1139	68	8.04e-03	0.19	-0.04	-1.03e-04	0.0	-8.39e-06
1139	75	7.04e-03	0.30	-0.03	-1.65e-04	0.0	-8.98e-06
1139	98	6.49e-03	0.03	-0.03	-7.32e-06	0.0	-5.88e-06
1139	103	6.17e-03	0.08	-0.03	-3.85e-05	0.0	-6.27e-06
1139	107	6.14e-03	0.02	-0.03	-7.09e-06	0.0	-5.69e-06
1139	113	1.77	-0.09	-0.03	5.88e-05	0.0	-1.77e-04
1139	124	1.10	2.18	-0.04	-1.33e-03	0.0	2.16e-05
1139	136	-0.24	2.28	-0.04	-1.39e-03	0.0	7.46e-06
1139	145	1.99	-0.10	-0.03	6.66e-05	0.0	-1.98e-04
1139	156	1.24	2.45	-0.04	-1.50e-03	0.0	2.52e-05
1139	168	-0.27	2.56	-0.04	-1.56e-03	0.0	8.95e-06
1139	177	1.98	-0.10	-0.03	6.40e-05	0.0	-1.97e-04
1139	188	1.23	2.41	-0.04	-1.47e-03	0.0	2.64e-05
1139	200	-0.26	2.54	-0.04	-1.55e-03	0.0	6.70e-06
1139	209	2.31	-0.11	-0.03	7.30e-05	0.0	-2.30e-04
1139	224	1.33	2.81	-0.04	-1.71e-03	0.0	2.76e-05
1139	232	-0.29	2.96	-0.04	-1.81e-03	0.0	7.25e-06
1140	4	0.01	0.35	-0.06	-1.41e-04	0.0	-1.19e-05
1140	18	0.01	0.55	-0.06	-2.32e-04	0.0	-1.24e-05
1140	68	9.56e-03	0.24	-0.04	-9.39e-05	0.0	-8.44e-06
1140	75	8.36e-03	0.37	-0.04	-1.55e-04	0.0	-8.81e-06
1140	98	7.72e-03	0.03	-0.04	-1.85e-06	0.0	-6.27e-06
1140	103	7.34e-03	0.09	-0.03	-3.24e-05	0.0	-6.54e-06
1140	107	7.30e-03	0.03	-0.03	-1.80e-06	0.0	-6.08e-06
1140	113	2.24	-0.11	-0.03	6.30e-05	0.0	-2.24e-04
1140	124	1.39	2.78	-0.04	-1.33e-03	0.0	2.15e-05
1140	136	-0.31	2.90	-0.04	-1.39e-03	0.0	7.02e-06
1140	145	2.52	-0.13	-0.03	7.06e-05	0.0	-2.52e-04
1140	164	-0.21	3.26	-0.05	-1.56e-03	0.0	1.05e-05
1140	168	-0.34	3.26	-0.05	-1.56e-03	0.0	8.53e-06
1140	177	2.50	-0.13	-0.03	6.80e-05	0.0	-2.50e-04
1140	200	-0.33	3.23	-0.05	-1.55e-03	0.0	6.28e-06
1140	209	2.92	-0.14	-0.04	7.68e-05	0.0	-2.92e-04
1140	232	-0.37	3.77	-0.05	-1.81e-03	0.0	6.75e-06
1141	4	0.01	0.27	-0.01	-1.52e-04	0.0	-1.73e-05
1141	18	0.01	0.43	-0.01	-2.45e-04	0.0	-1.88e-05
1141	68	8.00e-03	0.18	-9.39e-03	-1.02e-04	0.0	-1.22e-05
1141	75	7.00e-03	0.29	-8.73e-03	-1.64e-04	0.0	-1.32e-05
1141	98	6.45e-03	0.02	-8.13e-03	-6.26e-06	0.0	-8.41e-06
1141	103	6.13e-03	0.07	-7.93e-03	-3.75e-05	0.0	-9.04e-06
1141	107	6.09e-03	0.02	-7.86e-03	-6.05e-06	0.0	-8.15e-06
1141	113	1.77	-0.18	-7.84e-03	1.12e-04	0.0	-1.76e-04
1141	132	-0.15	2.26	-9.34e-03	-1.36e-03	0.0	1.24e-05
1141	136	-0.24	2.26	-9.32e-03	-1.36e-03	0.0	1.12e-05
1141	145	1.99	-0.21	-7.83e-03	1.27e-04	0.0	-1.97e-04
1141	164	-0.17	2.54	-9.52e-03	-1.53e-03	0.0	1.49e-05
1141	168	-0.27	2.54	-9.51e-03	-1.53e-03	0.0	1.33e-05
1141	177	1.98	-0.20	-7.80e-03	1.23e-04	0.0	-1.96e-04
1141	196	-0.17	2.51	-9.49e-03	-1.51e-03	0.0	1.35e-05
1141	200	-0.26	2.52	-9.49e-03	-1.52e-03	0.0	1.04e-05
1141	209	2.31	-0.23	-7.79e-03	1.42e-04	0.0	-2.28e-04
1141	232	-0.29	2.93	-9.76e-03	-1.77e-03	0.0	1.16e-05
1142	4	0.01	0.34	-0.02	-1.43e-04	0.0	-1.71e-05
1142	18	0.01	0.54	-0.01	-2.35e-04	0.0	-1.82e-05
1142	68	9.26e-03	0.23	-0.01	-9.52e-05	0.0	-1.21e-05
1142	75	8.09e-03	0.36	-0.01	-1.57e-04	0.0	-1.29e-05
1142	98	7.46e-03	0.02	-9.34e-03	-2.21e-06	0.0	-8.70e-06
1142	103	7.08e-03	0.09	-9.11e-03	-3.30e-05	0.0	-9.21e-06
1142	107	7.04e-03	0.02	-9.03e-03	-2.12e-06	0.0	-8.44e-06
1142	113	2.24	-0.23	-9.26e-03	1.13e-04	0.0	-2.23e-04
1142	124	1.40	2.77	-0.01	-1.31e-03	0.0	2.66e-05
1142	136	-0.31	2.87	-0.01	-1.36e-03	0.0	7.94e-06
1142	145	2.53	-0.26	-9.29e-03	1.28e-04	0.0	-2.50e-04

1142	156	1.57	3.12	-0.01	-1.47e-03	0.0	3.12e-05
1142	168	-0.35	3.23	-0.01	-1.53e-03	0.0	9.79e-06
1142	177	2.50	-0.26	-9.27e-03	1.24e-04	0.0	-2.48e-04
1142	188	1.55	3.06	-0.01	-1.45e-03	0.0	3.26e-05
1142	200	-0.33	3.20	-0.01	-1.51e-03	0.0	6.93e-06
1142	209	2.93	-0.30	-9.31e-03	1.43e-04	0.0	-2.90e-04
1142	220	1.82	3.55	-0.01	-1.68e-03	0.0	4.11e-05
1142	232	-0.37	3.73	-0.01	-1.76e-03	0.0	7.59e-06
1143	4	0.01	0.26	-5.95e-03	-1.50e-04	0.0	-1.86e-05
1143	18	9.89e-03	0.42	-5.79e-03	-2.44e-04	0.0	-2.02e-05
1143	68	7.91e-03	0.18	-4.47e-03	-1.01e-04	0.0	-1.31e-05
1143	75	6.91e-03	0.28	-4.37e-03	-1.63e-04	0.0	-1.42e-05
1143	98	6.36e-03	0.02	-4.27e-03	-5.22e-06	0.0	-9.10e-06
1143	103	6.04e-03	0.07	-4.24e-03	-3.65e-05	0.0	-9.78e-06
1143	107	6.00e-03	0.01	-4.23e-03	-5.03e-06	0.0	-8.82e-06
1143	108	1.77	0.98	-6.69e-03	-5.87e-04	0.0	-1.30e-04
1143	113	1.77	-0.28	-6.17e-03	1.65e-04	0.0	-1.76e-04
1143	136	-0.24	2.25	-5.62e-03	-1.34e-03	0.0	1.40e-05
1143	140	1.99	1.10	-7.00e-03	-6.60e-04	0.0	-1.45e-04
1143	145	1.99	-0.31	-6.42e-03	1.86e-04	0.0	-1.97e-04
1143	168	-0.27	2.53	-5.79e-03	-1.51e-03	0.0	1.66e-05
1143	172	1.97	1.09	-6.97e-03	-6.51e-04	0.0	-1.44e-04
1143	177	1.97	-0.31	-6.39e-03	1.82e-04	0.0	-1.95e-04
1143	200	-0.26	2.50	-5.78e-03	-1.49e-03	0.0	1.33e-05
1143	204	2.31	1.27	-7.43e-03	-7.58e-04	0.0	-1.67e-04
1143	209	2.31	-0.35	-6.76e-03	2.11e-04	0.0	-2.27e-04
1143	232	-0.29	2.91	-6.06e-03	-1.74e-03	0.0	1.50e-05
1144	4	0.01	0.33	-6.80e-03	-1.45e-04	0.0	-1.83e-05
1144	18	0.01	0.53	-6.61e-03	-2.37e-04	0.0	-1.95e-05
1144	68	8.89e-03	0.22	-5.11e-03	-9.65e-05	0.0	-1.30e-05
1144	75	7.74e-03	0.35	-4.98e-03	-1.58e-04	0.0	-1.38e-05
1144	98	7.13e-03	0.02	-4.87e-03	-2.59e-06	0.0	-9.31e-06
1144	103	6.76e-03	0.08	-4.83e-03	-3.36e-05	0.0	-9.87e-06
1144	107	6.72e-03	0.02	-4.82e-03	-2.48e-06	0.0	-9.04e-06
1144	108	2.25	1.25	-6.37e-03	-5.81e-04	0.0	-1.70e-04
1144	113	2.26	-0.35	-6.04e-03	1.64e-04	0.0	-2.22e-04
1144	136	-0.31	2.85	-5.65e-03	-1.32e-03	0.0	9.81e-06
1144	140	2.54	1.40	-6.56e-03	-6.53e-04	0.0	-1.90e-04
1144	145	2.54	-0.40	-6.20e-03	1.84e-04	0.0	-2.49e-04
1144	168	-0.35	3.20	-5.76e-03	-1.49e-03	0.0	1.19e-05
1144	172	2.51	1.38	-6.53e-03	-6.44e-04	0.0	-1.88e-04
1144	177	2.52	-0.39	-6.17e-03	1.81e-04	0.0	-2.47e-04
1144	200	-0.33	3.17	-5.75e-03	-1.47e-03	0.0	8.72e-06
1144	204	2.94	1.61	-6.82e-03	-7.50e-04	0.0	-2.19e-04
1144	209	2.95	-0.45	-6.40e-03	2.08e-04	0.0	-2.88e-04
1144	232	-0.37	3.69	-5.91e-03	-1.72e-03	0.0	9.61e-06
1145	4	0.01	0.25	-5.55e-03	-1.49e-04	0.0	-1.85e-05
1145	18	9.78e-03	0.41	-5.52e-03	-2.43e-04	0.0	-2.01e-05
1145	68	7.82e-03	0.17	-4.25e-03	-9.97e-05	0.0	-1.31e-05
1145	75	6.83e-03	0.27	-4.23e-03	-1.62e-04	0.0	-1.41e-05
1145	98	6.28e-03	0.01	-4.22e-03	-4.27e-06	0.0	-9.11e-06
1145	103	5.96e-03	0.06	-4.21e-03	-3.57e-05	0.0	-9.77e-06
1145	107	5.93e-03	9.85e-03	-4.21e-03	-4.11e-06	0.0	-8.84e-06
1145	112	1.39	0.92	-9.09e-03	-5.41e-04	0.0	-1.33e-04
1145	113	1.77	-0.37	-8.05e-03	2.19e-04	0.0	-1.75e-04
1145	136	-0.24	2.24	-6.99e-03	-1.32e-03	0.0	1.59e-05
1145	144	1.57	1.03	-9.70e-03	-6.09e-04	0.0	-1.49e-04
1145	145	1.99	-0.42	-8.53e-03	2.47e-04	0.0	-1.96e-04
1145	168	-0.27	2.52	-7.35e-03	-1.48e-03	0.0	1.87e-05
1145	176	1.55	1.02	-9.65e-03	-6.02e-04	0.0	-1.49e-04
1145	177	1.97	-0.41	-8.49e-03	2.43e-04	0.0	-1.94e-04
1145	200	-0.26	2.49	-7.34e-03	-1.47e-03	0.0	1.52e-05
1145	208	1.82	1.19	-0.01	-7.01e-04	0.0	-1.73e-04
1145	209	2.31	-0.48	-9.22e-03	2.81e-04	0.0	-2.26e-04
1145	232	-0.29	2.90	-7.90e-03	-1.71e-03	0.0	1.72e-05
1146	4	0.01	0.32	-6.46e-03	-1.46e-04	0.0	-1.82e-05
1146	18	0.01	0.52	-6.43e-03	-2.40e-04	0.0	-1.94e-05
1146	68	8.40e-03	0.21	-4.95e-03	-9.79e-05	0.0	-1.29e-05
1146	75	7.28e-03	0.35	-4.93e-03	-1.60e-04	0.0	-1.37e-05
1146	98	6.69e-03	0.01	-4.91e-03	-3.05e-06	0.0	-9.30e-06
1146	103	6.33e-03	0.08	-4.91e-03	-3.43e-05	0.0	-9.83e-06
1146	107	6.30e-03	0.01	-4.90e-03	-2.93e-06	0.0	-9.02e-06
1146	113	2.27	-0.47	-0.02	2.15e-04	0.0	-2.21e-04
1146	136	-0.31	2.83	-2.99e-03	-1.29e-03	0.0	1.31e-05
1146	145	2.56	-0.53	-0.02	2.42e-04	0.0	-2.47e-04

1146	168	-0.35	3.18	-2.75e-03	-1.45e-03	0.0	1.56e-05
1146	177	2.54	-0.52	-0.02	2.38e-04	0.0	-2.45e-04
1146	200	-0.34	3.14	-2.85e-03	-1.44e-03	0.0	1.20e-05
1146	209	2.97	-0.60	-0.02	2.76e-04	0.0	-2.86e-04
1146	232	-0.38	3.66	-2.60e-03	-1.67e-03	0.0	1.32e-05
1147	4	0.01	0.24	-0.01	-1.48e-04	0.0	-1.84e-05
1147	18	9.61e-03	0.40	-9.94e-03	-2.42e-04	0.0	-1.99e-05
1147	28	0.01	-0.23	-0.01	1.38e-04	0.0	-1.38e-05
1147	68	7.68e-03	0.16	-7.67e-03	-9.88e-05	0.0	-1.30e-05
1147	75	6.70e-03	0.26	-7.62e-03	-1.62e-04	0.0	-1.40e-05
1147	80	7.49e-03	-0.15	-7.67e-03	9.21e-05	0.0	-9.91e-06
1147	98	6.16e-03	5.02e-03	-7.60e-03	-3.43e-06	0.0	-9.06e-06
1147	103	5.84e-03	0.06	-7.58e-03	-3.49e-05	0.0	-9.71e-06
1147	107	5.80e-03	4.82e-03	-7.58e-03	-3.29e-06	0.0	-8.79e-06
1147	113	1.76	-0.47	-0.15	2.69e-04	0.0	-1.75e-04
1147	132	-0.15	2.23	5.12e-03	-1.30e-03	0.0	1.78e-05
1147	145	1.98	-0.52	-0.17	3.03e-04	0.0	-1.96e-04
1147	164	-0.17	2.51	6.69e-03	-1.47e-03	0.0	2.10e-05
1147	177	1.97	-0.52	-0.17	2.98e-04	0.0	-1.94e-04
1147	200	-0.26	2.48	0.01	-1.45e-03	0.0	1.59e-05
1147	209	2.30	-0.60	-0.19	3.46e-04	0.0	-2.26e-04
1147	232	-0.29	2.89	0.02	-1.68e-03	0.0	1.79e-05
1148	4	0.01	0.31	-0.01	-1.48e-04	0.0	-1.81e-05
1148	18	9.30e-03	0.51	-0.01	-2.43e-04	0.0	-1.92e-05
1148	28	0.01	-0.29	-0.01	1.38e-04	0.0	-1.43e-05
1148	68	7.48e-03	0.21	-9.78e-03	-9.91e-05	0.0	-1.28e-05
1148	75	6.42e-03	0.34	-9.76e-03	-1.62e-04	0.0	-1.36e-05
1148	80	7.33e-03	-0.19	-9.80e-03	9.20e-05	0.0	-1.03e-05
1148	98	5.87e-03	6.55e-03	-9.77e-03	-3.52e-06	0.0	-9.25e-06
1148	103	5.53e-03	0.07	-9.76e-03	-3.50e-05	0.0	-9.78e-06
1148	107	5.50e-03	6.28e-03	-9.76e-03	-3.38e-06	0.0	-8.97e-06
1148	113	2.30	-0.59	-0.14	2.63e-04	0.0	-2.20e-04
1148	132	-0.20	2.81	2.06e-03	-1.26e-03	0.0	1.70e-05
1148	145	2.59	-0.66	-0.16	2.96e-04	0.0	-2.47e-04
1148	164	-0.22	3.17	3.52e-03	-1.42e-03	0.0	2.02e-05
1148	177	2.57	-0.65	-0.16	2.91e-04	0.0	-2.45e-04
1148	200	-0.34	3.12	0.01	-1.40e-03	0.0	1.44e-05
1148	209	3.01	-0.75	-0.18	3.38e-04	0.0	-2.85e-04
1148	232	-0.38	3.64	0.01	-1.63e-03	0.0	1.59e-05
1149	4	0.01	0.41	-0.07	-1.30e-04	0.0	-9.51e-06
1149	18	0.01	0.65	-0.07	-2.20e-04	0.0	-9.51e-06
1149	68	0.01	0.27	-0.05	-8.65e-05	0.0	-6.84e-06
1149	75	8.99e-03	0.43	-0.05	-1.46e-04	0.0	-6.83e-06
1149	98	8.33e-03	0.03	-0.04	2.94e-06	0.0	-5.61e-06
1149	103	7.92e-03	0.11	-0.04	-2.70e-05	0.0	-5.68e-06
1149	107	7.88e-03	0.03	-0.04	2.87e-06	0.0	-5.46e-06
1149	113	2.61	-0.14	-0.04	6.64e-05	0.0	-2.69e-04
1149	132	-0.22	3.50	-0.05	-1.38e-03	0.0	1.01e-05
1149	136	-0.36	3.50	-0.05	-1.39e-03	0.0	8.19e-06
1149	145	2.94	-0.16	-0.04	7.39e-05	0.0	-3.02e-04
1149	164	-0.25	3.94	-0.05	-1.56e-03	0.0	1.22e-05
1149	168	-0.40	3.94	-0.05	-1.56e-03	0.0	9.82e-06
1149	177	2.91	-0.16	-0.04	7.13e-05	0.0	-3.00e-04
1149	200	-0.39	3.91	-0.05	-1.55e-03	0.0	7.77e-06
1149	209	3.41	-0.18	-0.04	7.98e-05	0.0	-3.52e-04
1149	232	-0.43	4.56	-0.06	-1.81e-03	0.0	8.42e-06
1150	4	0.01	0.46	-0.09	-1.23e-04	0.0	-5.14e-06
1150	18	0.01	0.74	-0.08	-2.12e-04	0.0	-4.44e-06
1150	68	0.01	0.31	-0.06	-8.13e-05	0.0	-3.82e-06
1150	75	8.83e-03	0.49	-0.05	-1.41e-04	0.0	-3.35e-06
1150	98	8.20e-03	0.02	-0.05	6.30e-06	0.0	-3.92e-06
1150	103	7.79e-03	0.12	-0.05	-2.32e-05	0.0	-3.72e-06
1150	107	7.76e-03	0.02	-0.05	6.16e-06	0.0	-3.85e-06
1150	113	2.94	-0.17	-0.05	6.82e-05	0.0	-2.53e-04
1150	136	-0.41	4.10	-0.06	-1.38e-03	0.0	-1.92e-04
1150	145	3.31	-0.20	-0.05	7.55e-05	0.0	-2.85e-04
1150	168	-0.46	4.62	-0.07	-1.55e-03	0.0	-2.17e-04
1150	177	3.28	-0.19	-0.05	7.29e-05	0.0	-2.83e-04
1150	200	-0.44	4.57	-0.06	-1.54e-03	0.0	-2.20e-04
1150	209	3.84	-0.21	-0.05	8.11e-05	0.0	-3.30e-04
1150	232	-0.49	5.34	-0.07	-1.80e-03	0.0	-2.62e-04
1151	4	0.01	0.51	-0.11	-1.19e-04	0.0	-1.81e-06
1151	18	9.45e-03	0.83	-0.10	-2.07e-04	0.0	0.0
1151	68	7.59e-03	0.34	-0.08	-7.88e-05	0.0	-1.47e-06
1151	75	6.63e-03	0.55	-0.07	-1.37e-04	0.0	0.0

1151	98	6.18e-03	0.02	-0.06	7.97e-06	0.0	-2.57e-06
1151	103	5.86e-03	0.13	-0.06	-2.13e-05	0.0	-2.10e-06
1151	107	5.85e-03	0.02	-0.06	7.82e-06	0.0	-2.53e-06
1151	113	3.27	-0.20	-0.06	6.90e-05	0.0	-2.85e-04
1151	136	-0.46	4.70	-0.08	-1.38e-03	0.0	-2.19e-04
1151	145	3.68	-0.23	-0.06	7.62e-05	0.0	-3.21e-04
1151	168	-0.51	5.29	-0.08	-1.55e-03	0.0	-2.48e-04
1151	177	3.65	-0.22	-0.06	7.36e-05	0.0	-3.18e-04
1151	200	-0.49	5.24	-0.08	-1.54e-03	0.0	-2.51e-04
1151	209	4.27	-0.25	-0.06	8.16e-05	0.0	-3.72e-04
1151	232	-0.55	6.12	-0.09	-1.80e-03	0.0	-3.00e-04
1152	4	0.01	0.40	-0.02	-1.35e-04	0.0	-1.42e-05
1152	18	0.01	0.64	-0.02	-2.26e-04	0.0	-1.46e-05
1152	68	9.93e-03	0.27	-0.01	-8.98e-05	0.0	-1.01e-05
1152	75	8.68e-03	0.43	-0.01	-1.51e-04	0.0	-1.04e-05
1152	98	8.04e-03	0.02	-0.01	1.25e-06	0.0	-7.83e-06
1152	103	7.64e-03	0.10	-9.90e-03	-2.91e-05	0.0	-8.08e-06
1152	107	7.60e-03	0.02	-9.81e-03	1.25e-06	0.0	-7.61e-06
1152	113	2.61	-0.28	-0.01	1.14e-04	0.0	-2.68e-04
1152	124	1.62	3.34	-0.01	-1.30e-03	0.0	2.30e-05
1152	136	-0.36	3.46	-0.01	-1.35e-03	0.0	6.71e-06
1152	145	2.94	-0.32	-0.01	1.28e-04	0.0	-3.00e-04
1152	156	1.83	3.75	-0.01	-1.47e-03	0.0	2.72e-05
1152	168	-0.40	3.89	-0.01	-1.52e-03	0.0	8.39e-06
1152	177	2.91	-0.31	-0.01	1.25e-04	0.0	-2.99e-04
1152	188	1.81	3.69	-0.01	-1.44e-03	0.0	2.90e-05
1152	200	-0.39	3.85	-0.01	-1.50e-03	0.0	5.99e-06
1152	209	3.41	-0.36	-0.01	1.43e-04	0.0	-3.49e-04
1152	220	2.11	4.28	-0.01	-1.67e-03	0.0	3.71e-05
1152	232	-0.43	4.49	-0.01	-1.75e-03	0.0	6.53e-06
1153	4	0.01	0.46	-0.02	-1.29e-04	0.0	-9.47e-06
1153	18	0.01	0.73	-0.02	-2.20e-04	0.0	-8.89e-06
1153	68	9.68e-03	0.31	-0.01	-8.59e-05	0.0	-6.85e-06
1153	75	8.46e-03	0.49	-0.01	-1.46e-04	0.0	-6.46e-06
1153	98	7.87e-03	0.02	-0.01	3.73e-06	0.0	-6.07e-06
1153	103	7.47e-03	0.11	-0.01	-2.63e-05	0.0	-5.96e-06
1153	107	7.44e-03	0.02	-0.01	3.66e-06	0.0	-5.92e-06
1153	113	2.94	-0.33	-0.01	1.15e-04	0.0	-2.54e-04
1153	124	1.83	3.90	-0.01	-1.30e-03	0.0	1.97e-05
1153	136	-0.41	4.04	-0.01	-1.34e-03	0.0	-1.93e-04
1153	145	3.31	-0.37	-0.01	1.28e-04	0.0	-2.85e-04
1153	156	2.06	4.39	-0.01	-1.46e-03	0.0	2.33e-05
1153	168	-0.46	4.55	-0.01	-1.51e-03	0.0	-2.17e-04
1153	177	3.28	-0.36	-0.01	1.25e-04	0.0	-2.83e-04
1153	188	2.04	4.31	-0.01	-1.43e-03	0.0	2.53e-05
1153	200	-0.44	4.50	-0.01	-1.49e-03	0.0	-2.20e-04
1153	209	3.84	-0.42	-0.01	1.42e-04	0.0	-3.30e-04
1153	220	2.38	5.00	-0.01	-1.66e-03	0.0	3.27e-05
1153	232	-0.49	5.25	-0.01	-1.74e-03	0.0	-2.62e-04
1154	4	0.01	0.51	-0.02	-1.27e-04	0.0	-5.00e-06
1154	18	0.01	0.83	-0.02	-2.16e-04	0.0	-3.34e-06
1154	68	8.12e-03	0.34	-0.02	-8.39e-05	0.0	-3.72e-06
1154	75	7.08e-03	0.55	-0.01	-1.44e-04	0.0	-2.62e-06
1154	98	6.63e-03	0.02	-0.01	5.02e-06	0.0	-4.37e-06
1154	103	6.29e-03	0.12	-0.01	-2.48e-05	0.0	-3.88e-06
1154	107	6.27e-03	0.02	-0.01	4.92e-06	0.0	-4.26e-06
1154	108	3.26	2.17	-0.01	-6.27e-04	0.0	-2.86e-04
1154	113	3.27	-0.38	-0.01	1.15e-04	0.0	-2.86e-04
1154	136	-0.45	4.62	-0.01	-1.33e-03	0.0	-2.20e-04
1154	140	3.68	2.44	-0.01	-7.06e-04	0.0	-3.22e-04
1154	145	3.68	-0.43	-0.01	1.28e-04	0.0	-3.22e-04
1154	168	-0.51	5.20	-0.01	-1.50e-03	0.0	-2.48e-04
1154	172	3.64	2.41	-0.01	-6.97e-04	0.0	-3.19e-04
1154	177	3.65	-0.42	-0.01	1.25e-04	0.0	-3.19e-04
1154	200	-0.49	5.14	-0.01	-1.49e-03	0.0	-2.52e-04
1154	204	4.26	2.80	-0.01	-8.13e-04	0.0	-3.73e-04
1154	209	4.27	-0.48	-0.01	1.42e-04	0.0	-3.73e-04
1154	232	-0.55	6.00	-0.01	-1.74e-03	0.0	-3.01e-04
1155	4	0.01	0.39	-7.32e-03	-1.40e-04	0.0	-1.54e-05
1155	18	0.01	0.63	-7.12e-03	-2.32e-04	0.0	-1.59e-05
1155	68	9.58e-03	0.26	-5.50e-03	-9.30e-05	0.0	-1.10e-05
1155	75	8.37e-03	0.42	-5.36e-03	-1.55e-04	0.0	-1.13e-05
1155	98	7.76e-03	0.02	-5.24e-03	0.0	0.0	-8.39e-06
1155	103	7.37e-03	0.10	-5.20e-03	-3.11e-05	0.0	-8.67e-06
1155	107	7.34e-03	0.02	-5.18e-03	0.0	0.0	-8.15e-06

1155	108	2.61	1.50	-6.30e-03	-5.74e-04	0.0	-2.09e-04
1155	113	2.61	-0.42	-6.06e-03	1.63e-04	0.0	-2.66e-04
1155	136	-0.36	3.42	-5.74e-03	-1.31e-03	0.0	7.01e-06
1155	140	2.94	1.68	-6.44e-03	-6.46e-04	0.0	-2.35e-04
1155	145	2.94	-0.48	-6.17e-03	1.83e-04	0.0	-2.99e-04
1155	168	-0.40	3.85	-5.81e-03	-1.47e-03	0.0	8.76e-06
1155	172	2.91	1.66	-6.40e-03	-6.38e-04	0.0	-2.33e-04
1155	177	2.91	-0.47	-6.14e-03	1.79e-04	0.0	-2.97e-04
1155	200	-0.39	3.80	-5.80e-03	-1.46e-03	0.0	6.12e-06
1155	204	3.41	1.93	-6.60e-03	-7.43e-04	0.0	-2.71e-04
1155	209	3.41	-0.54	-6.30e-03	2.06e-04	0.0	-3.47e-04
1155	232	-0.43	4.43	-5.91e-03	-1.70e-03	0.0	6.65e-06
1156	4	0.01	0.45	-7.71e-03	-1.36e-04	0.0	-1.07e-05
1156	18	0.01	0.73	-7.49e-03	-2.28e-04	0.0	-1.01e-05
1156	68	9.36e-03	0.30	-5.79e-03	-9.03e-05	0.0	-7.69e-06
1156	75	8.18e-03	0.49	-5.64e-03	-1.52e-04	0.0	-7.29e-06
1156	98	7.61e-03	0.02	-5.51e-03	1.55e-06	0.0	-6.63e-06
1156	103	7.22e-03	0.11	-5.46e-03	-2.91e-05	0.0	-6.52e-06
1156	107	7.19e-03	0.02	-5.45e-03	1.54e-06	0.0	-6.43e-06
1156	108	2.94	1.74	-6.38e-03	-5.69e-04	0.0	-2.51e-04
1156	113	2.94	-0.49	-6.16e-03	1.62e-04	0.0	-2.54e-04
1156	136	-0.41	3.98	-5.90e-03	-1.30e-03	0.0	-1.93e-04
1156	140	3.31	1.96	-6.49e-03	-6.40e-04	0.0	-2.82e-04
1156	145	3.31	-0.55	-6.25e-03	1.81e-04	0.0	-2.85e-04
1156	168	-0.46	4.48	-5.95e-03	-1.46e-03	0.0	-2.17e-04
1156	172	3.28	1.93	-6.45e-03	-6.32e-04	0.0	-2.79e-04
1156	177	3.28	-0.54	-6.22e-03	1.78e-04	0.0	-2.83e-04
1156	200	-0.44	4.43	-5.94e-03	-1.44e-03	0.0	-2.20e-04
1156	204	3.83	2.25	-6.61e-03	-7.36e-04	0.0	-3.26e-04
1156	209	3.84	-0.63	-6.34e-03	2.04e-04	0.0	-3.30e-04
1156	232	-0.49	5.16	-6.03e-03	-1.68e-03	0.0	-2.61e-04
1157	4	0.01	0.51	-8.36e-03	-1.33e-04	0.0	-5.89e-06
1157	18	0.01	0.83	-8.05e-03	-2.25e-04	0.0	-4.21e-06
1157	68	8.52e-03	0.34	-6.24e-03	-8.87e-05	0.0	-4.33e-06
1157	75	7.43e-03	0.55	-6.04e-03	-1.50e-04	0.0	-3.21e-06
1157	98	6.97e-03	0.02	-5.89e-03	2.70e-06	0.0	-4.77e-06
1157	103	6.61e-03	0.12	-5.83e-03	-2.79e-05	0.0	-4.28e-06
1157	107	6.60e-03	0.02	-5.81e-03	2.65e-06	0.0	-4.63e-06
1157	108	3.27	1.99	-6.74e-03	-5.66e-04	0.0	-2.86e-04
1157	113	3.27	-0.56	-6.49e-03	1.62e-04	0.0	-2.86e-04
1157	136	-0.45	4.54	-6.31e-03	-1.29e-03	0.0	-2.20e-04
1157	140	3.68	2.23	-6.85e-03	-6.38e-04	0.0	-3.22e-04
1157	145	3.68	-0.63	-6.57e-03	1.81e-04	0.0	-3.22e-04
1157	168	-0.51	5.11	-6.37e-03	-1.45e-03	0.0	-2.48e-04
1157	172	3.64	2.20	-6.81e-03	-6.29e-04	0.0	-3.19e-04
1157	177	3.65	-0.62	-6.54e-03	1.78e-04	0.0	-3.19e-04
1157	200	-0.49	5.05	-6.36e-03	-1.44e-03	0.0	-2.52e-04
1157	204	4.26	2.57	-6.97e-03	-7.33e-04	0.0	-3.73e-04
1157	209	4.27	-0.72	-6.65e-03	2.04e-04	0.0	-3.73e-04
1157	232	-0.55	5.89	-6.46e-03	-1.68e-03	0.0	-3.01e-04
1158	4	0.01	0.38	-6.96e-03	-1.44e-04	0.0	-1.53e-05
1158	18	0.01	0.62	-6.93e-03	-2.38e-04	0.0	-1.57e-05
1158	68	9.19e-03	0.26	-5.33e-03	-9.63e-05	0.0	-1.09e-05
1158	75	8.03e-03	0.41	-5.31e-03	-1.59e-04	0.0	-1.12e-05
1158	98	7.45e-03	0.01	-5.29e-03	-2.00e-06	0.0	-8.34e-06
1158	103	7.07e-03	0.09	-5.29e-03	-3.32e-05	0.0	-8.60e-06
1158	107	7.04e-03	0.01	-5.28e-03	-1.91e-06	0.0	-8.09e-06
1158	113	2.61	-0.56	-0.03	2.12e-04	0.0	-2.66e-04
1158	136	-0.36	3.38	-2.48e-03	-1.27e-03	0.0	7.76e-06
1158	145	2.94	-0.63	-0.03	2.38e-04	0.0	-2.98e-04
1158	168	-0.41	3.80	-2.14e-03	-1.43e-03	0.0	9.58e-06
1158	177	2.92	-0.62	-0.03	2.34e-04	0.0	-2.96e-04
1158	200	-0.39	3.76	-2.27e-03	-1.41e-03	0.0	6.78e-06
1158	209	3.41	-0.72	-0.03	2.71e-04	0.0	-3.46e-04
1158	232	-0.44	4.38	-1.91e-03	-1.64e-03	0.0	7.33e-06
1159	4	0.01	0.44	-7.25e-03	-1.43e-04	0.0	-1.06e-05
1159	18	0.01	0.72	-7.22e-03	-2.36e-04	0.0	-9.96e-06
1159	68	9.10e-03	0.30	-5.56e-03	-9.51e-05	0.0	-7.58e-06
1159	75	7.95e-03	0.48	-5.53e-03	-1.57e-04	0.0	-7.17e-06
1159	98	7.40e-03	0.01	-5.51e-03	-1.19e-06	0.0	-6.48e-06
1159	103	7.03e-03	0.11	-5.51e-03	-3.23e-05	0.0	-6.37e-06
1159	107	7.00e-03	0.01	-5.51e-03	-1.13e-06	0.0	-6.28e-06
1159	113	2.94	-0.65	-0.03	2.09e-04	0.0	-2.53e-04
1159	136	-0.41	3.93	-2.21e-03	-1.25e-03	0.0	-1.93e-04
1159	145	3.31	-0.73	-0.03	2.36e-04	0.0	-2.84e-04

1159	168	-0.46	4.41	-1.81e-03	-1.41e-03	0.0	-2.17e-04
1159	177	3.28	-0.72	-0.03	2.31e-04	0.0	-2.82e-04
1159	200	-0.44	4.36	-1.39e-03	-1.39e-03	0.0	-2.19e-04
1159	209	3.84	-0.84	-0.04	2.68e-04	0.0	-3.29e-04
1159	232	-0.49	5.08	-1.54e-03	-1.62e-03	0.0	-2.61e-04
1160	4	0.01	0.51	-7.43e-03	-1.42e-04	0.0	-5.53e-06
1160	18	0.01	0.82	-7.38e-03	-2.35e-04	0.0	-3.99e-06
1160	68	8.77e-03	0.34	-5.69e-03	-9.45e-05	0.0	-4.04e-06
1160	75	7.65e-03	0.55	-5.65e-03	-1.57e-04	0.0	-3.02e-06
1160	98	7.17e-03	0.01	-5.63e-03	0.0	0.0	-4.37e-06
1160	103	6.80e-03	0.12	-5.62e-03	-3.18e-05	0.0	-3.93e-06
1160	107	6.79e-03	0.01	-5.62e-03	0.0	0.0	-4.23e-06
1160	113	3.27	-0.74	-0.03	2.09e-04	0.0	-2.86e-04
1160	136	-0.45	4.46	-2.17e-03	-1.24e-03	0.0	-2.20e-04
1160	145	3.68	-0.83	-0.03	2.35e-04	0.0	-3.22e-04
1160	168	-0.51	5.02	-1.75e-03	-1.40e-03	0.0	-2.48e-04
1160	177	3.65	-0.82	-0.03	2.30e-04	0.0	-3.19e-04
1160	200	-0.49	4.96	-1.91e-03	-1.38e-03	0.0	-2.52e-04
1160	209	4.27	-0.95	-0.04	2.67e-04	0.0	-3.73e-04
1160	232	-0.55	5.77	-1.47e-03	-1.61e-03	0.0	-3.00e-04
1161	4	0.01	0.37	-0.01	-1.49e-04	0.0	-1.51e-05
1161	18	0.01	0.61	-0.01	-2.43e-04	0.0	-1.55e-05
1161	41	5.75e-03	-0.60	-0.01	2.37e-04	0.0	-9.22e-06
1161	68	8.47e-03	0.25	-0.01	-9.94e-05	0.0	-1.08e-05
1161	75	7.40e-03	0.41	-0.01	-1.62e-04	0.0	-1.10e-05
1161	85	4.19e-03	-0.40	-0.01	1.57e-04	0.0	-6.83e-06
1161	98	6.87e-03	8.17e-03	-0.01	-3.65e-06	0.0	-8.25e-06
1161	103	6.52e-03	0.09	-0.01	-3.52e-05	0.0	-8.50e-06
1161	104	4.24e-03	-0.08	-0.01	2.93e-05	0.0	-6.57e-06
1161	106	4.25e-03	5.87e-03	-0.01	-2.70e-06	0.0	-6.51e-06
1161	107	6.50e-03	7.84e-03	-0.01	-3.51e-06	0.0	-8.00e-06
1161	113	2.61	-0.70	-0.13	2.57e-04	0.0	-2.65e-04
1161	132	-0.22	3.35	3.16e-04	-1.23e-03	0.0	9.93e-06
1161	145	2.94	-0.79	-0.15	2.90e-04	0.0	-2.98e-04
1161	164	-0.25	3.76	1.68e-03	-1.38e-03	0.0	1.23e-05
1161	177	2.91	-0.78	-0.15	2.85e-04	0.0	-2.96e-04
1161	200	-0.39	3.72	8.16e-03	-1.36e-03	0.0	7.06e-06
1161	209	3.41	-0.90	-0.17	3.31e-04	0.0	-3.46e-04
1161	232	-0.44	4.32	0.01	-1.58e-03	0.0	7.62e-06
1162	4	0.01	0.44	-0.01	-1.49e-04	0.0	-1.04e-05
1162	18	0.01	0.72	-0.01	-2.43e-04	0.0	-9.75e-06
1162	41	6.03e-03	-0.70	-0.01	2.36e-04	0.0	-7.99e-06
1162	68	8.73e-03	0.29	-0.01	-9.95e-05	0.0	-7.45e-06
1162	75	7.63e-03	0.48	-0.01	-1.63e-04	0.0	-7.02e-06
1162	85	4.40e-03	-0.47	-0.01	1.57e-04	0.0	-5.85e-06
1162	98	7.11e-03	9.88e-03	-0.01	-3.82e-06	0.0	-6.38e-06
1162	103	6.75e-03	0.10	-0.01	-3.54e-05	0.0	-6.26e-06
1162	104	4.42e-03	-0.09	-0.01	2.91e-05	0.0	-5.17e-06
1162	106	4.43e-03	7.15e-03	-0.01	-2.86e-06	0.0	-4.99e-06
1162	107	6.72e-03	9.49e-03	-0.01	-3.68e-06	0.0	-6.18e-06
1162	113	2.94	-0.81	-0.13	2.54e-04	0.0	-2.53e-04
1162	132	-0.25	3.87	-6.48e-04	-1.21e-03	0.0	-1.90e-04
1162	145	3.31	-0.91	-0.14	2.85e-04	0.0	-2.84e-04
1162	164	-0.28	4.35	6.58e-04	-1.36e-03	0.0	-2.14e-04
1162	177	3.28	-0.90	-0.14	2.81e-04	0.0	-2.82e-04
1162	200	-0.44	4.29	6.85e-03	-1.34e-03	0.0	-2.19e-04
1162	209	3.84	-1.04	-0.17	3.26e-04	0.0	-3.29e-04
1162	232	-0.49	5.00	9.02e-03	-1.56e-03	0.0	-2.61e-04
1163	4	0.01	0.50	-0.01	-1.49e-04	0.0	-4.34e-06
1163	18	0.01	0.82	-0.01	-2.44e-04	0.0	-3.00e-06
1163	41	6.36e-03	-0.81	-0.01	2.36e-04	0.0	-4.76e-06
1163	68	8.93e-03	0.34	-0.01	-9.99e-05	0.0	-3.17e-06
1163	75	7.79e-03	0.55	-0.01	-1.63e-04	0.0	-2.28e-06
1163	85	4.63e-03	-0.54	-0.01	1.57e-04	0.0	-3.45e-06
1163	98	7.31e-03	0.01	-0.01	-4.06e-06	0.0	-3.47e-06
1163	103	6.94e-03	0.12	-0.01	-3.56e-05	0.0	-3.09e-06
1163	104	4.60e-03	-0.10	-0.01	2.89e-05	0.0	-2.81e-06
1163	106	4.60e-03	8.59e-03	-0.01	-3.08e-06	0.0	-2.65e-06
1163	107	6.92e-03	0.01	-0.01	-3.92e-06	0.0	-3.36e-06
1163	113	3.27	-0.92	-0.13	2.54e-04	0.0	-2.86e-04
1163	132	-0.28	4.38	-9.52e-04	-1.20e-03	0.0	-2.18e-04
1163	145	3.68	-1.04	-0.14	2.86e-04	0.0	-3.22e-04
1163	164	-0.32	4.93	3.39e-04	-1.35e-03	0.0	-2.45e-04
1163	177	3.65	-1.02	-0.14	2.81e-04	0.0	-3.19e-04
1163	200	-0.49	4.87	6.47e-03	-1.33e-03	0.0	-2.52e-04

1163	209	4.27	-1.18	-0.16	3.27e-04	0.0	-3.73e-04
1163	232	-0.55	5.66	8.61e-03	-1.55e-03	0.0	-3.01e-04
1164	1	0.0	0.0	0.0	-1.43e-04	0.0	0.0
1164	65	0.0	0.0	0.0	-9.57e-05	0.0	0.0
1164	97	0.0	0.0	0.0	-1.05e-06	0.0	0.0
1164	106	0.0	0.0	0.0	-1.05e-06	0.0	0.0
1164	108	0.0	0.0	0.0	-2.94e-04	0.0	-3.62e-06
1164	140	0.0	0.0	0.0	-3.30e-04	0.0	-4.13e-06
1164	172	0.0	0.0	0.0	-3.25e-04	0.0	-4.09e-06
1164	204	0.0	0.0	0.0	-3.77e-04	0.0	-4.86e-06
1165	41	2.17e-04	-0.10	-2.48e-03	2.39e-04	0.0	2.28e-06
1165	45	2.01e-04	-0.10	-1.92e-03	2.39e-04	0.0	1.52e-06
1165	49	1.09e-04	4.23e-04	-2.49e-03	-1.48e-06	0.0	2.67e-06
1165	85	1.60e-04	-0.06	-1.91e-03	1.59e-04	0.0	1.73e-06
1165	89	8.72e-05	3.08e-04	-1.92e-03	-1.09e-06	0.0	1.99e-06
1165	97	8.72e-05	3.08e-04	-1.92e-03	-1.09e-06	0.0	1.99e-06
1165	103	3.59e-05	0.01	-1.87e-03	-3.31e-05	0.0	2.78e-06
1165	104	1.02e-04	-0.01	-1.92e-03	3.10e-05	0.0	1.94e-06
1165	106	8.72e-05	3.08e-04	-1.92e-03	-1.09e-06	0.0	1.99e-06
1165	107	4.68e-05	4.48e-04	-1.87e-03	-1.51e-06	0.0	2.39e-06
1165	113	0.42	-0.20	0.06	5.00e-04	0.0	-2.43e-05
1165	114	-0.42	0.20	-0.06	-5.03e-04	0.0	2.91e-05
1165	130	0.06	0.55	6.65e-03	-1.37e-03	0.0	-7.06e-06
1165	145	0.47	-0.23	0.07	5.63e-04	0.0	-2.77e-05
1165	146	-0.47	0.23	-0.07	-5.66e-04	0.0	3.25e-05
1165	162	0.06	0.62	7.68e-03	-1.54e-03	0.0	-8.14e-06
1165	177	0.47	-0.22	0.07	5.55e-04	0.0	-2.75e-05
1165	178	-0.47	0.22	-0.07	-5.58e-04	0.0	3.23e-05
1165	194	0.06	0.61	7.24e-03	-1.52e-03	0.0	-7.07e-06
1165	209	0.55	-0.26	0.08	6.45e-04	0.0	-3.26e-05
1165	210	-0.55	0.26	-0.08	-6.48e-04	0.0	3.74e-05
1165	226	0.07	0.71	8.30e-03	-1.77e-03	0.0	-8.03e-06
1166	4	-7.66e-05	0.06	-1.85e-03	-1.51e-04	0.0	5.59e-06
1166	18	-7.77e-05	0.10	-1.84e-03	-2.46e-04	0.0	6.46e-06
1166	41	1.93e-04	-0.09	-1.83e-03	2.36e-04	0.0	2.29e-06
1166	68	-3.86e-05	0.04	-1.42e-03	-1.01e-04	0.0	3.94e-06
1166	75	-3.94e-05	0.07	-1.42e-03	-1.65e-04	0.0	4.52e-06
1166	85	1.41e-04	-0.06	-1.41e-03	1.57e-04	0.0	1.74e-06
1166	98	1.80e-05	1.86e-03	-1.41e-03	-4.32e-06	0.0	2.48e-06
1166	103	1.40e-05	0.01	-1.41e-03	-3.62e-05	0.0	2.80e-06
1166	104	8.24e-05	-0.01	-1.41e-03	2.88e-05	0.0	1.95e-06
1166	106	6.77e-05	1.43e-03	-1.41e-03	-3.31e-06	0.0	2.00e-06
1166	107	2.51e-05	1.80e-03	-1.41e-03	-4.18e-06	0.0	2.41e-06
1166	108	0.42	0.10	-5.11e-03	-2.44e-04	0.0	-3.76e-05
1166	113	0.42	-0.22	-4.32e-03	5.37e-04	0.0	-2.42e-05
1166	130	0.06	0.55	-1.93e-03	-1.37e-03	0.0	-7.17e-06
1166	140	0.47	0.11	-5.57e-03	-2.73e-04	0.0	-4.26e-05
1166	145	0.47	-0.24	-4.69e-03	6.05e-04	0.0	-2.75e-05
1166	162	0.06	0.62	-1.99e-03	-1.54e-03	0.0	-8.27e-06
1166	172	0.47	0.11	-5.53e-03	-2.69e-04	0.0	-4.22e-05
1166	177	0.47	-0.24	-4.66e-03	5.96e-04	0.0	-2.73e-05
1166	194	0.06	0.61	-1.97e-03	-1.52e-03	0.0	-7.20e-06
1166	204	0.55	0.12	-6.23e-03	-3.11e-04	0.0	-4.98e-05
1166	209	0.55	-0.28	-5.21e-03	6.94e-04	0.0	-3.24e-05
1166	226	0.07	0.71	-2.03e-03	-1.77e-03	0.0	-8.18e-06
1167	1	0.0	0.0	0.0	-1.49e-04	0.0	0.0
1167	65	0.0	0.0	0.0	-9.95e-05	0.0	0.0
1167	97	0.0	0.0	0.0	-3.45e-06	0.0	0.0
1167	106	0.0	0.0	0.0	-3.45e-06	0.0	0.0
1167	108	0.0	0.0	0.0	-2.44e-04	0.0	-3.66e-06
1167	140	0.0	0.0	0.0	-2.74e-04	0.0	-4.18e-06
1167	172	0.0	0.0	0.0	-2.69e-04	0.0	-4.14e-06
1167	204	0.0	0.0	0.0	-3.11e-04	0.0	-4.92e-06
1168	44	7.31e-04	-0.19	-4.43e-03	2.38e-04	0.0	5.77e-06
1168	45	4.77e-04	-0.19	-3.56e-03	2.39e-04	0.0	2.85e-06
1168	49	4.43e-04	8.80e-04	-4.60e-03	-1.54e-06	0.0	4.93e-06
1168	85	4.36e-04	-0.13	-3.55e-03	1.59e-04	0.0	3.23e-06
1168	88	5.25e-04	-0.13	-3.43e-03	1.58e-04	0.0	4.23e-06
1168	89	3.33e-04	6.42e-04	-3.55e-03	-1.13e-06	0.0	3.67e-06
1168	97	3.33e-04	6.42e-04	-3.55e-03	-1.13e-06	0.0	3.67e-06
1168	103	3.80e-04	0.03	-3.46e-03	-3.32e-05	0.0	5.12e-06
1168	105	4.13e-04	-0.02	-3.46e-03	3.05e-05	0.0	4.32e-06
1168	106	3.33e-04	6.42e-04	-3.55e-03	-1.13e-06	0.0	3.67e-06
1168	107	3.93e-04	9.31e-04	-3.46e-03	-1.56e-06	0.0	4.41e-06
1168	113	0.84	-0.40	0.10	4.95e-04	0.0	-5.10e-05

1168	114	-0.84	0.40	-0.11	-4.98e-04	0.0	5.98e-05
1168	130	0.12	1.10	0.01	-1.36e-03	0.0	-1.33e-05
1168	145	0.95	-0.45	0.12	5.57e-04	0.0	-5.80e-05
1168	146	-0.95	0.45	-0.12	-5.60e-04	0.0	6.68e-05
1168	162	0.13	1.24	0.01	-1.53e-03	0.0	-1.53e-05
1168	177	0.94	-0.44	0.11	5.48e-04	0.0	-5.76e-05
1168	178	-0.94	0.45	-0.12	-5.51e-04	0.0	6.64e-05
1168	194	0.12	1.22	0.01	-1.51e-03	0.0	-1.32e-05
1168	209	1.10	-0.52	0.13	6.38e-04	0.0	-6.82e-05
1168	210	-1.10	0.52	-0.14	-6.41e-04	0.0	7.70e-05
1168	226	0.14	1.42	0.01	-1.75e-03	0.0	-1.49e-05
1169	4	5.38e-04	0.12	-3.23e-03	-1.50e-04	0.0	1.03e-05
1169	18	4.54e-04	0.20	-3.23e-03	-2.45e-04	0.0	1.19e-05
1169	44	7.07e-04	-0.19	-3.22e-03	2.35e-04	0.0	5.81e-06
1169	68	3.94e-04	0.08	-2.48e-03	-1.00e-04	0.0	7.23e-06
1169	75	3.38e-04	0.13	-2.48e-03	-1.64e-04	0.0	8.29e-06
1169	88	5.07e-04	-0.12	-2.47e-03	1.56e-04	0.0	4.26e-06
1169	98	3.85e-04	3.58e-03	-2.48e-03	-3.82e-06	0.0	4.56e-06
1169	103	3.62e-04	0.03	-2.48e-03	-3.56e-05	0.0	5.15e-06
1169	105	3.95e-04	-0.02	-2.48e-03	2.84e-05	0.0	4.35e-06
1169	107	3.75e-04	3.46e-03	-2.48e-03	-3.69e-06	0.0	4.44e-06
1169	108	0.84	0.19	-6.04e-03	-2.42e-04	0.0	-7.73e-05
1169	113	0.85	-0.43	-5.28e-03	5.33e-04	0.0	-5.09e-05
1169	130	0.12	1.10	-2.97e-03	-1.36e-03	0.0	-1.35e-05
1169	140	0.95	0.22	-6.48e-03	-2.72e-04	0.0	-8.77e-05
1169	145	0.95	-0.49	-5.63e-03	6.00e-04	0.0	-5.79e-05
1169	162	0.13	1.24	-3.03e-03	-1.53e-03	0.0	-1.55e-05
1169	172	0.94	0.21	-6.44e-03	-2.67e-04	0.0	-8.68e-05
1169	177	0.94	-0.48	-5.60e-03	5.92e-04	0.0	-5.75e-05
1169	194	0.12	1.22	-3.01e-03	-1.51e-03	0.0	-1.34e-05
1169	204	1.10	0.25	-7.12e-03	-3.09e-04	0.0	-1.02e-04
1169	209	1.10	-0.56	-6.13e-03	6.89e-04	0.0	-6.81e-05
1169	226	0.14	1.42	-3.07e-03	-1.76e-03	0.0	-1.51e-05
1170	28	1.63e-03	-0.17	-6.27e-03	1.41e-04	0.0	8.83e-06
1170	41	1.10e-03	-0.29	-6.62e-03	2.39e-04	0.0	5.84e-06
1170	45	8.31e-04	-0.29	-5.13e-03	2.39e-04	0.0	3.96e-06
1170	80	1.16e-03	-0.11	-4.87e-03	9.40e-05	0.0	6.40e-06
1170	85	8.03e-04	-0.19	-5.11e-03	1.59e-04	0.0	4.41e-06
1170	98	9.32e-04	1.55e-03	-4.96e-03	-1.73e-06	0.0	6.04e-06
1170	103	8.84e-04	0.04	-4.98e-03	-3.33e-05	0.0	6.82e-06
1170	104	7.08e-04	-0.04	-5.11e-03	3.09e-05	0.0	4.82e-06
1170	106	6.85e-04	1.02e-03	-5.11e-03	-1.19e-06	0.0	4.92e-06
1170	107	8.97e-04	1.47e-03	-4.98e-03	-1.65e-06	0.0	5.88e-06
1170	113	1.28	-0.60	0.13	4.86e-04	0.0	-7.88e-05
1170	114	-1.28	0.60	-0.14	-4.89e-04	0.0	9.06e-05
1170	130	0.18	1.64	0.01	-1.34e-03	0.0	-1.69e-05
1170	145	1.44	-0.67	0.14	5.47e-04	0.0	-8.95e-05
1170	146	-1.44	0.67	-0.15	-5.50e-04	0.0	1.01e-04
1170	162	0.20	1.85	0.02	-1.50e-03	0.0	-1.94e-05
1170	177	1.43	-0.66	0.14	5.39e-04	0.0	-8.88e-05
1170	178	-1.42	0.66	-0.15	-5.42e-04	0.0	1.01e-04
1170	194	0.19	1.82	0.01	-1.48e-03	0.0	-1.65e-05
1170	209	1.67	-0.77	0.17	6.27e-04	0.0	-1.05e-04
1170	210	-1.67	0.77	-0.18	-6.30e-04	0.0	1.17e-04
1170	226	0.21	2.12	0.02	-1.73e-03	0.0	-1.85e-05
1171	4	1.42e-03	0.18	-4.34e-03	-1.48e-04	0.0	1.36e-05
1171	18	1.22e-03	0.30	-4.34e-03	-2.43e-04	0.0	1.57e-05
1171	28	1.58e-03	-0.17	-4.33e-03	1.39e-04	0.0	8.89e-06
1171	68	1.01e-03	0.12	-3.34e-03	-9.90e-05	0.0	9.60e-06
1171	75	8.81e-04	0.20	-3.33e-03	-1.62e-04	0.0	1.10e-05
1171	80	1.12e-03	-0.11	-3.33e-03	9.26e-05	0.0	6.45e-06
1171	98	8.97e-04	5.01e-03	-3.33e-03	-3.05e-06	0.0	6.09e-06
1171	103	8.49e-04	0.04	-3.33e-03	-3.48e-05	0.0	6.87e-06
1171	107	8.62e-04	4.84e-03	-3.32e-03	-2.94e-06	0.0	5.93e-06
1171	108	1.27	0.29	-4.12e-03	-2.39e-04	0.0	-1.16e-04
1171	113	1.28	-0.64	-3.95e-03	5.27e-04	0.0	-7.87e-05
1171	130	0.18	1.64	-3.43e-03	-1.35e-03	0.0	-1.69e-05
1171	140	1.44	0.33	-4.22e-03	-2.69e-04	0.0	-1.31e-04
1171	145	1.44	-0.73	-4.03e-03	5.94e-04	0.0	-8.94e-05
1171	162	0.20	1.85	-3.45e-03	-1.51e-03	0.0	-1.95e-05
1171	172	1.42	0.32	-4.19e-03	-2.64e-04	0.0	-1.30e-04
1171	177	1.43	-0.71	-4.01e-03	5.85e-04	0.0	-8.88e-05
1171	194	0.19	1.83	-3.44e-03	-1.49e-03	0.0	-1.65e-05
1171	204	1.67	0.37	-4.33e-03	-3.05e-04	0.0	-1.54e-04
1171	209	1.67	-0.83	-4.12e-03	6.82e-04	0.0	-1.05e-04

1171	226	0.21	2.13	-3.46e-03	-1.74e-03	0.0	-1.85e-05
1172	4	-1.48e-04	0.06	-2.04e-03	-1.58e-04	0.0	5.56e-06
1172	18	-1.45e-04	0.10	-2.00e-03	-2.54e-04	0.0	6.43e-06
1172	45	1.50e-04	-0.09	-1.35e-03	2.36e-04	0.0	1.52e-06
1172	68	-9.05e-05	0.04	-1.54e-03	-1.06e-04	0.0	3.91e-06
1172	75	-8.89e-05	0.07	-1.51e-03	-1.70e-04	0.0	4.49e-06
1172	85	1.06e-04	-0.06	-1.37e-03	1.55e-04	0.0	1.73e-06
1172	98	-2.79e-05	3.29e-03	-1.48e-03	-7.38e-06	0.0	2.45e-06
1172	103	-3.12e-05	0.02	-1.47e-03	-3.96e-05	0.0	2.77e-06
1172	104	4.50e-05	-0.01	-1.39e-03	2.64e-05	0.0	1.92e-06
1172	106	2.98e-05	2.58e-03	-1.39e-03	-5.79e-06	0.0	1.97e-06
1172	107	-1.96e-05	3.19e-03	-1.47e-03	-7.15e-06	0.0	2.38e-06
1172	111	-0.42	-0.07	-3.16e-03	1.76e-04	0.0	4.23e-05
1172	114	-0.42	0.24	-2.80e-03	-5.91e-04	0.0	2.88e-05
1172	130	0.06	0.55	-1.18e-03	-1.37e-03	0.0	-7.41e-06
1172	143	-0.47	-0.08	-3.37e-03	1.99e-04	0.0	4.73e-05
1172	146	-0.47	0.27	-2.97e-03	-6.64e-04	0.0	3.21e-05
1172	162	0.06	0.62	-1.15e-03	-1.54e-03	0.0	-8.53e-06
1172	175	-0.47	-0.08	-3.35e-03	1.95e-04	0.0	4.69e-05
1172	178	-0.47	0.26	-2.95e-03	-6.55e-04	0.0	3.20e-05
1172	194	0.06	0.61	-1.16e-03	-1.53e-03	0.0	-7.46e-06
1172	207	-0.55	-0.09	-3.67e-03	2.26e-04	0.0	5.45e-05
1172	210	-0.55	0.31	-3.21e-03	-7.61e-04	0.0	3.70e-05
1172	226	0.07	0.71	-1.13e-03	-1.78e-03	0.0	-8.48e-06
1173	1	0.0	0.0	0.0	-1.55e-04	0.0	0.0
1173	65	0.0	0.0	0.0	-1.04e-04	0.0	0.0
1173	97	0.0	0.0	0.0	-6.10e-06	0.0	0.0
1173	106	0.0	0.0	0.0	-6.10e-06	0.0	0.0
1173	108	0.0	0.0	0.0	-1.91e-04	0.0	-3.72e-06
1173	140	0.0	0.0	0.0	-2.13e-04	0.0	-4.24e-06
1173	172	0.0	0.0	0.0	-2.10e-04	0.0	-4.20e-06
1173	204	0.0	0.0	0.0	-2.41e-04	0.0	-4.99e-06
1174	4	4.98e-04	0.13	-3.58e-03	-1.55e-04	0.0	1.03e-05
1174	18	4.14e-04	0.20	-3.50e-03	-2.51e-04	0.0	1.19e-05
1174	44	6.68e-04	-0.18	-3.40e-03	2.32e-04	0.0	5.79e-06
1174	68	3.63e-04	0.09	-2.70e-03	-1.04e-04	0.0	7.22e-06
1174	75	3.07e-04	0.14	-2.64e-03	-1.68e-04	0.0	8.29e-06
1174	88	4.77e-04	-0.12	-2.58e-03	1.54e-04	0.0	4.24e-06
1174	98	3.55e-04	6.24e-03	-2.59e-03	-6.26e-06	0.0	4.53e-06
1174	103	3.32e-04	0.03	-2.57e-03	-3.84e-05	0.0	5.13e-06
1174	105	3.66e-04	-0.02	-2.56e-03	2.60e-05	0.0	4.32e-06
1174	107	3.45e-04	6.05e-03	-2.57e-03	-6.06e-06	0.0	4.40e-06
1174	111	-0.84	-0.14	-5.03e-03	1.77e-04	0.0	8.62e-05
1174	113	0.85	-0.46	-6.23e-04	5.76e-04	0.0	-5.09e-05
1174	130	0.12	1.10	-2.18e-03	-1.37e-03	0.0	-1.36e-05
1174	143	-0.95	-0.16	-5.34e-03	1.99e-04	0.0	9.65e-05
1174	145	0.95	-0.52	-3.78e-04	6.48e-04	0.0	-5.78e-05
1174	162	0.13	1.24	-2.14e-03	-1.54e-03	0.0	-1.57e-05
1174	175	-0.94	-0.16	-5.31e-03	1.95e-04	0.0	9.57e-05
1174	177	0.94	-0.51	-3.98e-04	6.39e-04	0.0	-5.74e-05
1174	194	0.12	1.22	-2.16e-03	-1.52e-03	0.0	-1.36e-05
1174	207	-1.10	-0.18	-5.78e-03	2.26e-04	0.0	1.11e-04
1174	209	1.11	-0.60	-2.78e-05	7.45e-04	0.0	-6.81e-05
1174	226	0.14	1.42	-2.11e-03	-1.77e-03	0.0	-1.53e-05
1175	4	1.37e-03	0.19	-4.83e-03	-1.51e-04	0.0	1.37e-05
1175	18	1.18e-03	0.30	-4.71e-03	-2.47e-04	0.0	1.58e-05
1175	28	1.54e-03	-0.16	-4.75e-03	1.37e-04	0.0	8.89e-06
1175	68	9.76e-04	0.13	-3.63e-03	-1.01e-04	0.0	9.64e-06
1175	75	8.47e-04	0.20	-3.55e-03	-1.65e-04	0.0	1.11e-05
1175	80	1.09e-03	-0.11	-3.58e-03	9.09e-05	0.0	6.44e-06
1175	98	8.62e-04	8.57e-03	-3.47e-03	-4.54e-06	0.0	6.07e-06
1175	103	8.15e-04	0.05	-3.45e-03	-3.64e-05	0.0	6.87e-06
1175	107	8.28e-04	8.31e-03	-3.44e-03	-4.40e-06	0.0	5.91e-06
1175	111	-1.27	-0.21	-6.12e-03	1.77e-04	0.0	1.28e-04
1175	113	1.28	-0.69	-1.33e-03	5.74e-04	0.0	-7.91e-05
1175	130	0.18	1.64	-3.06e-03	-1.36e-03	0.0	-1.64e-05
1175	143	-1.43	-0.24	-6.46e-03	1.99e-04	0.0	1.43e-04
1175	145	1.44	-0.78	-1.06e-03	6.46e-04	0.0	-8.99e-05
1175	162	0.20	1.85	-3.02e-03	-1.53e-03	0.0	-1.89e-05
1175	175	-1.42	-0.23	-6.43e-03	1.96e-04	0.0	1.42e-04
1175	177	1.43	-0.77	-1.09e-03	6.37e-04	0.0	-8.92e-05
1175	194	0.19	1.83	-3.04e-03	-1.51e-03	0.0	-1.60e-05
1175	207	-1.66	-0.27	-6.94e-03	2.26e-04	0.0	1.66e-04
1175	209	1.67	-0.90	-6.82e-04	7.43e-04	0.0	-1.05e-04
1175	226	0.21	2.13	-2.99e-03	-1.76e-03	0.0	-1.80e-05

1176	4	-2.16e-04	0.07	-4.19e-03	-1.65e-04	0.0	4.96e-06
1176	18	-2.11e-04	0.11	-3.91e-03	-2.62e-04	0.0	5.74e-06
1176	68	-1.40e-04	0.05	-3.03e-03	-1.11e-04	0.0	3.48e-06
1176	75	-1.37e-04	0.07	-2.84e-03	-1.76e-04	0.0	4.01e-06
1176	98	-7.21e-05	4.70e-03	-2.65e-03	-1.05e-05	0.0	2.17e-06
1176	103	-7.49e-05	0.02	-2.59e-03	-4.31e-05	0.0	2.46e-06
1176	107	-6.28e-05	4.56e-03	-2.57e-03	-1.01e-05	0.0	2.11e-06
1176	114	-0.42	0.25	-2.53e-03	-6.36e-04	0.0	2.88e-05
1176	124	0.26	0.49	-3.42e-03	-1.22e-03	0.0	-2.80e-05
1176	130	0.06	0.55	-3.30e-03	-1.37e-03	0.0	-7.30e-06
1176	146	-0.47	0.29	-2.53e-03	-7.14e-04	0.0	3.21e-05
1176	156	0.29	0.55	-3.52e-03	-1.37e-03	0.0	-3.17e-05
1176	162	0.06	0.62	-3.39e-03	-1.54e-03	0.0	-8.38e-06
1176	178	-0.47	0.28	-2.55e-03	-7.05e-04	0.0	3.20e-05
1176	188	0.29	0.54	-3.51e-03	-1.35e-03	0.0	-3.09e-05
1176	194	0.06	0.61	-3.38e-03	-1.53e-03	0.0	-7.35e-06
1176	210	-0.55	0.33	-2.55e-03	-8.20e-04	0.0	3.71e-05
1176	220	0.34	0.63	-3.66e-03	-1.57e-03	0.0	-3.64e-05
1176	226	0.07	0.71	-3.52e-03	-1.78e-03	0.0	-8.31e-06
1177	1	0.0	0.0	0.0	-1.61e-04	0.0	0.0
1177	65	0.0	0.0	0.0	-1.08e-04	0.0	0.0
1177	97	0.0	0.0	0.0	-8.72e-06	0.0	0.0
1177	106	0.0	0.0	0.0	-8.72e-06	0.0	0.0
1177	108	0.0	0.0	0.0	-1.39e-04	0.0	-3.77e-06
1177	140	0.0	0.0	0.0	-1.54e-04	0.0	-4.29e-06
1177	172	0.0	0.0	0.0	-1.51e-04	0.0	-4.25e-06
1177	204	0.0	0.0	0.0	-1.72e-04	0.0	-5.05e-06
1178	4	4.72e-04	0.13	-7.58e-03	-1.61e-04	0.0	9.27e-06
1178	18	3.86e-04	0.21	-7.04e-03	-2.58e-04	0.0	1.07e-05
1178	44	6.40e-04	-0.18	-6.42e-03	2.28e-04	0.0	5.33e-06
1178	68	3.42e-04	0.09	-5.47e-03	-1.08e-04	0.0	6.52e-06
1178	75	2.85e-04	0.14	-5.11e-03	-1.73e-04	0.0	7.50e-06
1178	88	4.55e-04	-0.12	-4.69e-03	1.52e-04	0.0	3.89e-06
1178	98	3.32e-04	8.90e-03	-4.76e-03	-8.75e-06	0.0	4.05e-06
1178	103	3.08e-04	0.04	-4.65e-03	-4.12e-05	0.0	4.60e-06
1178	105	3.42e-04	-0.02	-4.57e-03	2.37e-05	0.0	3.88e-06
1178	107	3.22e-04	8.63e-03	-4.61e-03	-8.49e-06	0.0	3.93e-06
1178	113	0.85	-0.49	-4.65e-03	6.18e-04	0.0	-5.22e-05
1178	124	0.52	0.97	-5.87e-03	-1.21e-03	0.0	-5.55e-05
1178	130	0.12	1.10	-5.69e-03	-1.37e-03	0.0	-1.27e-05
1178	145	0.95	-0.55	-4.65e-03	6.96e-04	0.0	-5.93e-05
1178	156	0.59	1.09	-6.03e-03	-1.37e-03	0.0	-6.29e-05
1178	162	0.13	1.23	-5.82e-03	-1.54e-03	0.0	-1.46e-05
1178	177	0.94	-0.55	-4.63e-03	6.87e-04	0.0	-5.89e-05
1178	188	0.58	1.08	-6.00e-03	-1.35e-03	0.0	-6.15e-05
1178	194	0.12	1.22	-5.82e-03	-1.53e-03	0.0	-1.26e-05
1178	209	1.11	-0.64	-4.62e-03	8.01e-04	0.0	-6.97e-05
1178	220	0.68	1.26	-6.22e-03	-1.57e-03	0.0	-7.23e-05
1178	226	0.14	1.42	-6.02e-03	-1.78e-03	0.0	-1.41e-05
1179	4	1.34e-03	0.20	-0.01	-1.55e-04	0.0	1.25e-05
1179	18	1.14e-03	0.31	-9.71e-03	-2.51e-04	0.0	1.45e-05
1179	28	1.50e-03	-0.15	-9.98e-03	1.35e-04	0.0	8.10e-06
1179	68	9.48e-04	0.13	-7.55e-03	-1.04e-04	0.0	8.79e-06
1179	75	8.17e-04	0.21	-7.04e-03	-1.68e-04	0.0	1.01e-05
1179	80	1.06e-03	-0.10	-7.21e-03	8.92e-05	0.0	5.86e-06
1179	98	8.32e-04	0.01	-6.55e-03	-6.11e-06	0.0	5.48e-06
1179	103	7.84e-04	0.05	-6.40e-03	-3.82e-05	0.0	6.22e-06
1179	107	7.97e-04	0.01	-6.34e-03	-5.93e-06	0.0	5.32e-06
1179	113	1.28	-0.74	-6.40e-03	6.21e-04	0.0	-8.16e-05
1179	124	0.79	1.46	-7.78e-03	-1.21e-03	0.0	-7.91e-05
1179	130	0.18	1.65	-7.56e-03	-1.37e-03	0.0	-1.43e-05
1179	145	1.44	-0.83	-6.40e-03	6.99e-04	0.0	-9.26e-05
1179	156	0.89	1.64	-7.96e-03	-1.36e-03	0.0	-8.97e-05
1179	162	0.20	1.85	-7.72e-03	-1.54e-03	0.0	-1.65e-05
1179	177	1.43	-0.82	-6.37e-03	6.90e-04	0.0	-9.20e-05
1179	188	0.88	1.62	-7.93e-03	-1.35e-03	0.0	-8.78e-05
1179	194	0.19	1.83	-7.71e-03	-1.52e-03	0.0	-1.38e-05
1179	209	1.67	-0.96	-6.36e-03	8.04e-04	0.0	-1.09e-04
1179	220	1.03	1.88	-8.19e-03	-1.57e-03	0.0	-1.03e-04
1179	226	0.21	2.14	-7.93e-03	-1.78e-03	0.0	-1.53e-05
1180	4	-1.30e-04	0.07	-0.02	-1.71e-04	0.0	2.97e-06
1180	18	-1.39e-04	0.11	-0.02	-2.69e-04	0.0	3.46e-06
1180	68	-8.32e-05	0.05	-0.01	-1.15e-04	0.0	2.09e-06
1180	75	-8.93e-05	0.07	-0.01	-1.81e-04	0.0	2.42e-06
1180	98	-3.15e-05	5.88e-03	-9.66e-03	-1.31e-05	0.0	1.31e-06

1180	103	-3.74e-05	0.02	-9.36e-03	-4.61e-05	0.0	1.49e-06
1180	107	-2.59e-05	5.70e-03	-9.19e-03	-1.27e-05	0.0	1.27e-06
1180	108	0.42	0.03	-9.62e-03	-8.53e-05	0.0	-3.88e-05
1180	114	-0.42	0.27	-8.90e-03	-6.82e-04	0.0	2.94e-05
1180	130	0.06	0.55	-9.43e-03	-1.37e-03	0.0	-5.73e-06
1180	140	0.47	0.04	-9.68e-03	-9.39e-05	0.0	-4.39e-05
1180	146	-0.47	0.31	-8.86e-03	-7.66e-04	0.0	3.30e-05
1180	162	0.06	0.62	-9.47e-03	-1.55e-03	0.0	-6.52e-06
1180	172	0.47	0.04	-9.66e-03	-9.13e-05	0.0	-4.35e-05
1180	178	-0.47	0.30	-8.87e-03	-7.56e-04	0.0	3.28e-05
1180	194	0.06	0.61	-9.46e-03	-1.53e-03	0.0	-5.64e-06
1180	204	0.55	0.04	-9.74e-03	-1.02e-04	0.0	-5.12e-05
1180	210	-0.55	0.35	-8.81e-03	-8.79e-04	0.0	3.82e-05
1180	226	0.07	0.71	-9.50e-03	-1.79e-03	0.0	-6.23e-06
1181	1	0.0	0.0	0.0	-1.66e-04	0.0	0.0
1181	65	0.0	0.0	0.0	-1.11e-04	0.0	0.0
1181	97	0.0	0.0	0.0	-1.09e-05	0.0	0.0
1181	106	0.0	0.0	0.0	-1.09e-05	0.0	0.0
1181	108	0.0	0.0	0.0	-8.57e-05	0.0	-3.96e-06
1181	140	0.0	0.0	0.0	-9.43e-05	0.0	-4.49e-06
1181	172	0.0	0.0	0.0	-9.17e-05	0.0	-4.45e-06
1181	204	0.0	0.0	0.0	-1.02e-04	0.0	-5.26e-06
1182	4	5.92e-04	0.14	-0.03	-1.66e-04	0.0	5.82e-06
1182	18	4.87e-04	0.22	-0.03	-2.64e-04	0.0	6.81e-06
1182	28	7.33e-04	-0.10	-0.03	1.28e-04	0.0	3.97e-06
1182	68	4.23e-04	0.09	-0.02	-1.11e-04	0.0	4.09e-06
1182	75	3.53e-04	0.15	-0.02	-1.77e-04	0.0	4.76e-06
1182	80	5.17e-04	-0.06	-0.02	8.42e-05	0.0	2.86e-06
1182	98	3.89e-04	0.01	-0.02	-1.09e-05	0.0	2.51e-06
1182	103	3.62e-04	0.04	-0.02	-4.37e-05	0.0	2.87e-06
1182	105	3.93e-04	-0.01	-0.02	2.16e-05	0.0	2.46e-06
1182	107	3.74e-04	0.01	-0.02	-1.06e-05	0.0	2.44e-06
1182	113	0.85	-0.52	-0.02	6.62e-04	0.0	-5.76e-05
1182	124	0.52	0.95	-0.02	-1.19e-03	0.0	-5.26e-05
1182	130	0.12	1.10	-0.02	-1.38e-03	0.0	-8.42e-06
1182	145	0.95	-0.59	-0.02	7.46e-04	0.0	-6.52e-05
1182	156	0.59	1.07	-0.02	-1.34e-03	0.0	-5.95e-05
1182	162	0.13	1.23	-0.02	-1.55e-03	0.0	-9.64e-06
1182	177	0.95	-0.58	-0.02	7.36e-04	0.0	-6.47e-05
1182	188	0.58	1.05	-0.02	-1.32e-03	0.0	-5.84e-05
1182	194	0.12	1.22	-0.02	-1.54e-03	0.0	-8.02e-06
1182	209	1.11	-0.68	-0.02	8.60e-04	0.0	-7.62e-05
1182	220	0.68	1.22	-0.02	-1.54e-03	0.0	-6.86e-05
1182	226	0.14	1.43	-0.02	-1.79e-03	0.0	-8.73e-06
1183	4	1.43e-03	0.20	-0.04	-1.58e-04	0.0	7.93e-06
1183	18	1.22e-03	0.32	-0.04	-2.54e-04	0.0	9.32e-06
1183	28	1.58e-03	-0.15	-0.04	1.32e-04	0.0	5.27e-06
1183	68	1.01e-03	0.14	-0.03	-1.06e-04	0.0	5.58e-06
1183	75	8.66e-04	0.22	-0.03	-1.70e-04	0.0	6.50e-06
1183	80	1.11e-03	-0.10	-0.03	8.76e-05	0.0	3.80e-06
1183	98	8.71e-04	0.02	-0.02	-7.56e-06	0.0	3.40e-06
1183	103	8.20e-04	0.05	-0.02	-3.98e-05	0.0	3.90e-06
1183	107	8.32e-04	0.01	-0.02	-7.35e-06	0.0	3.30e-06
1183	113	1.28	-0.79	-0.02	6.69e-04	0.0	-8.93e-05
1183	124	0.79	1.43	-0.03	-1.20e-03	0.0	-7.58e-05
1183	130	0.18	1.65	-0.03	-1.38e-03	0.0	-8.97e-06
1183	145	1.44	-0.89	-0.02	7.54e-04	0.0	-1.01e-04
1183	156	0.89	1.60	-0.03	-1.34e-03	0.0	-8.58e-05
1183	162	0.20	1.86	-0.03	-1.56e-03	0.0	-1.03e-05
1183	177	1.43	-0.88	-0.02	7.44e-04	0.0	-1.00e-04
1183	188	0.88	1.58	-0.03	-1.33e-03	0.0	-8.45e-05
1183	194	0.19	1.84	-0.03	-1.54e-03	0.0	-8.24e-06
1183	209	1.67	-1.03	-0.02	8.68e-04	0.0	-1.18e-04
1183	220	1.03	1.84	-0.03	-1.54e-03	0.0	-9.95e-05
1183	226	0.21	2.15	-0.03	-1.80e-03	0.0	-8.80e-06
1184	4	7.58e-04	0.07	-0.08	-1.74e-04	0.0	0.0
1184	18	6.54e-04	0.11	-0.07	-2.73e-04	0.0	-1.00e-06
1184	28	7.88e-04	-0.05	-0.07	1.23e-04	0.0	0.0
1184	68	5.31e-04	0.05	-0.05	-1.17e-04	0.0	0.0
1184	75	4.62e-04	0.07	-0.05	-1.83e-04	0.0	0.0
1184	80	5.51e-04	-0.03	-0.05	8.05e-05	0.0	0.0
1184	98	4.43e-04	6.38e-03	-0.04	-1.42e-05	0.0	0.0
1184	103	4.19e-04	0.02	-0.04	-4.74e-05	0.0	0.0
1184	107	4.21e-04	6.20e-03	-0.04	-1.38e-05	0.0	0.0
1184	113	0.42	-0.28	-0.02	7.03e-04	0.0	-3.45e-05

1184	130	0.06	0.55	-0.08	-1.38e-03	0.0	2.53e-05
1184	145	0.47	-0.31	-0.02	7.93e-04	0.0	-3.88e-05
1184	162	0.06	0.62	-0.08	-1.56e-03	0.0	2.87e-05
1184	177	0.47	-0.31	-0.02	7.83e-04	0.0	-3.84e-05
1184	194	0.06	0.61	-0.08	-1.54e-03	0.0	2.91e-05
1184	209	0.55	-0.36	-0.02	9.15e-04	0.0	-4.49e-05
1184	226	0.07	0.71	-0.09	-1.80e-03	0.0	3.48e-05
1185	1	0.0	0.0	0.0	-1.68e-04	0.0	0.0
1185	65	0.0	0.0	0.0	-1.13e-04	0.0	0.0
1185	97	0.0	0.0	0.0	-1.19e-05	0.0	0.0
1185	106	0.0	0.0	0.0	-1.19e-05	0.0	0.0
1185	108	0.0	0.0	0.0	-3.15e-05	0.0	-3.64e-06
1185	140	0.0	0.0	0.0	-3.31e-05	0.0	-4.09e-06
1185	172	0.0	0.0	0.0	-3.11e-05	0.0	-4.06e-06
1185	204	0.0	0.0	0.0	-3.11e-05	0.0	-4.75e-06
1186	4	1.53e-03	0.14	-0.14	-1.68e-04	0.0	-1.88e-06
1186	18	1.32e-03	0.22	-0.13	-2.67e-04	0.0	-1.99e-06
1186	28	1.59e-03	-0.10	-0.12	1.26e-04	0.0	0.0
1186	68	1.07e-03	0.10	-0.10	-1.13e-04	0.0	-1.31e-06
1186	75	9.33e-04	0.15	-0.09	-1.79e-04	0.0	-1.38e-06
1186	80	1.11e-03	-0.06	-0.08	8.31e-05	0.0	0.0
1186	98	8.93e-04	0.01	-0.07	-1.19e-05	0.0	0.0
1186	103	8.45e-04	0.04	-0.07	-4.49e-05	0.0	0.0
1186	107	8.48e-04	0.01	-0.07	-1.16e-05	0.0	0.0
1186	113	0.85	-0.56	-0.04	7.12e-04	0.0	-7.06e-05
1186	130	0.12	1.11	-0.14	-1.40e-03	0.0	5.19e-05
1186	145	0.95	-0.63	-0.03	8.02e-04	0.0	-7.94e-05
1186	162	0.13	1.24	-0.15	-1.57e-03	0.0	5.88e-05
1186	177	0.95	-0.62	-0.04	7.92e-04	0.0	-7.87e-05
1186	194	0.12	1.23	-0.15	-1.56e-03	0.0	5.96e-05
1186	209	1.11	-0.73	-0.03	9.25e-04	0.0	-9.20e-05
1186	226	0.14	1.44	-0.16	-1.82e-03	0.0	7.13e-05
1187	4	2.32e-03	0.21	-0.20	-1.59e-04	0.0	-2.84e-06
1187	18	2.00e-03	0.33	-0.18	-2.56e-04	0.0	-3.00e-06
1187	28	2.41e-03	-0.15	-0.17	1.31e-04	0.0	-1.14e-06
1187	68	1.62e-03	0.14	-0.14	-1.07e-04	0.0	-1.97e-06
1187	75	1.41e-03	0.22	-0.12	-1.72e-04	0.0	-2.08e-06
1187	80	1.68e-03	-0.10	-0.12	8.69e-05	0.0	0.0
1187	98	1.35e-03	0.02	-0.11	-8.17e-06	0.0	-1.27e-06
1187	103	1.28e-03	0.06	-0.10	-4.06e-05	0.0	-1.35e-06
1187	107	1.28e-03	0.02	-0.10	-7.95e-06	0.0	-1.21e-06
1187	113	1.28	-0.85	-0.06	7.21e-04	0.0	-1.05e-04
1187	130	0.18	1.67	-0.19	-1.40e-03	0.0	7.74e-05
1187	145	1.44	-0.95	-0.05	8.13e-04	0.0	-1.18e-04
1187	162	0.20	1.87	-0.20	-1.58e-03	0.0	8.76e-05
1187	177	1.43	-0.94	-0.05	8.02e-04	0.0	-1.17e-04
1187	194	0.19	1.86	-0.20	-1.57e-03	0.0	8.88e-05
1187	209	1.67	-1.10	-0.04	9.36e-04	0.0	-1.37e-04
1187	226	0.21	2.17	-0.22	-1.83e-03	0.0	1.06e-04
1188	28	3.21e-03	-0.23	-8.57e-03	1.41e-04	0.0	1.00e-05
1188	41	1.99e-03	-0.39	-9.04e-03	2.39e-04	0.0	6.89e-06
1188	45	1.45e-03	-0.40	-7.00e-03	2.39e-04	0.0	4.77e-06
1188	75	1.92e-03	0.26	-6.72e-03	-1.60e-04	0.0	1.21e-05
1188	80	2.27e-03	-0.16	-6.66e-03	9.38e-05	0.0	7.27e-06
1188	85	1.46e-03	-0.26	-6.97e-03	1.59e-04	0.0	5.19e-06
1188	98	1.87e-03	2.30e-03	-6.77e-03	-1.88e-06	0.0	6.78e-06
1188	103	1.78e-03	0.05	-6.79e-03	-3.35e-05	0.0	7.64e-06
1188	104	1.36e-03	-0.05	-6.97e-03	3.07e-05	0.0	5.49e-06
1188	106	1.33e-03	1.52e-03	-6.97e-03	-1.32e-06	0.0	5.57e-06
1188	107	1.79e-03	2.19e-03	-6.80e-03	-1.80e-06	0.0	6.61e-06
1188	113	1.76	-0.81	0.14	4.72e-04	0.0	-1.13e-04
1188	114	-1.75	0.82	-0.15	-4.76e-04	0.0	1.26e-04
1188	130	0.24	2.24	0.01	-1.31e-03	0.0	-1.81e-05
1188	145	1.98	-0.91	0.15	5.32e-04	0.0	-1.28e-04
1188	146	-1.98	0.92	-0.17	-5.35e-04	0.0	1.42e-04
1188	162	0.27	2.52	0.02	-1.47e-03	0.0	-2.08e-05
1188	177	1.96	-0.90	0.15	5.24e-04	0.0	-1.27e-04
1188	178	-1.96	0.90	-0.17	-5.28e-04	0.0	1.41e-04
1188	194	0.26	2.48	0.01	-1.45e-03	0.0	-1.72e-05
1188	209	2.30	-1.05	0.18	6.10e-04	0.0	-1.50e-04
1188	210	-2.29	1.05	-0.19	-6.14e-04	0.0	1.63e-04
1188	226	0.29	2.89	0.02	-1.69e-03	0.0	-1.90e-05
1189	4	2.81e-03	0.25	-5.36e-03	-1.46e-04	0.0	1.51e-05
1189	18	2.45e-03	0.40	-5.36e-03	-2.41e-04	0.0	1.75e-05
1189	28	2.97e-03	-0.23	-5.35e-03	1.41e-04	0.0	1.01e-05

1189	68	1.99e-03	0.17	-4.12e-03	-9.74e-05	0.0	1.07e-05
1189	75	1.75e-03	0.27	-4.12e-03	-1.61e-04	0.0	1.23e-05
1189	80	2.10e-03	-0.15	-4.11e-03	9.36e-05	0.0	7.32e-06
1189	98	1.71e-03	6.18e-03	-4.11e-03	-2.01e-06	0.0	6.83e-06
1189	103	1.63e-03	0.06	-4.11e-03	-3.36e-05	0.0	7.70e-06
1189	107	1.64e-03	5.97e-03	-4.11e-03	-1.93e-06	0.0	6.66e-06
1189	113	1.76	-0.88	7.51e-04	5.19e-04	0.0	-1.14e-04
1189	114	-1.76	0.89	-8.96e-03	-5.23e-04	0.0	1.27e-04
1189	130	0.24	2.24	-6.84e-03	-1.32e-03	0.0	-1.74e-05
1189	145	1.99	-0.99	1.36e-03	5.84e-04	0.0	-1.29e-04
1189	146	-1.98	1.00	-9.58e-03	-5.88e-04	0.0	1.42e-04
1189	162	0.27	2.52	-7.19e-03	-1.49e-03	0.0	-2.01e-05
1189	177	1.97	-0.98	1.32e-03	5.76e-04	0.0	-1.28e-04
1189	178	-1.96	0.99	-9.53e-03	-5.80e-04	0.0	1.41e-04
1189	194	0.26	2.49	-7.18e-03	-1.47e-03	0.0	-1.65e-05
1189	209	2.30	-1.14	2.24e-03	6.71e-04	0.0	-1.51e-04
1189	210	-2.30	1.15	-0.01	-6.75e-04	0.0	1.64e-04
1189	226	0.29	2.90	-7.74e-03	-1.71e-03	0.0	-1.82e-05
1190	28	7.77e-03	-0.30	-0.01	1.41e-04	0.0	9.61e-06
1190	41	4.64e-03	-0.50	-0.01	2.38e-04	0.0	7.04e-06
1190	45	3.31e-03	-0.50	-9.34e-03	2.39e-04	0.0	5.03e-06
1190	75	4.92e-03	0.34	-9.01e-03	-1.61e-04	0.0	1.13e-05
1190	80	5.52e-03	-0.20	-8.94e-03	9.36e-05	0.0	6.97e-06
1190	85	3.43e-03	-0.33	-9.30e-03	1.59e-04	0.0	5.26e-06
1190	98	4.69e-03	3.19e-03	-9.06e-03	-2.12e-06	0.0	6.36e-06
1190	103	4.50e-03	0.07	-9.09e-03	-3.38e-05	0.0	7.16e-06
1190	104	3.37e-03	-0.07	-9.29e-03	3.05e-05	0.0	5.29e-06
1190	106	3.36e-03	2.15e-03	-9.29e-03	-1.54e-06	0.0	5.30e-06
1190	107	4.50e-03	3.04e-03	-9.10e-03	-2.03e-06	0.0	6.21e-06
1190	113	2.30	-1.02	0.12	4.55e-04	0.0	-1.51e-04
1190	114	-2.29	1.03	-0.14	-4.59e-04	0.0	1.63e-04
1190	130	0.32	2.82	9.25e-03	-1.26e-03	0.0	-1.72e-05
1190	145	2.59	-1.15	0.14	5.12e-04	0.0	-1.71e-04
1190	146	-2.58	1.15	-0.16	-5.16e-04	0.0	1.83e-04
1190	162	0.36	3.17	0.01	-1.42e-03	0.0	-1.98e-05
1190	177	2.57	-1.13	0.14	5.05e-04	0.0	-1.69e-04
1190	178	-2.56	1.14	-0.16	-5.09e-04	0.0	1.82e-04
1190	194	0.34	3.13	0.01	-1.40e-03	0.0	-1.58e-05
1190	209	3.00	-1.32	0.16	5.88e-04	0.0	-1.99e-04
1190	210	-3.00	1.32	-0.18	-5.92e-04	0.0	2.12e-04
1190	226	0.38	3.64	0.01	-1.63e-03	0.0	-1.70e-05
1191	4	6.01e-03	0.31	-6.27e-03	-1.44e-04	0.0	1.40e-05
1191	18	5.30e-03	0.51	-6.26e-03	-2.38e-04	0.0	1.61e-05
1191	28	6.10e-03	-0.29	-6.26e-03	1.42e-04	0.0	9.63e-06
1191	68	4.25e-03	0.21	-4.82e-03	-9.57e-05	0.0	9.88e-06
1191	75	3.79e-03	0.34	-4.81e-03	-1.59e-04	0.0	1.13e-05
1191	80	4.32e-03	-0.19	-4.81e-03	9.47e-05	0.0	6.99e-06
1191	98	3.62e-03	6.83e-03	-4.80e-03	0.0	0.0	6.39e-06
1191	103	3.46e-03	0.07	-4.80e-03	-3.24e-05	0.0	7.19e-06
1191	107	3.46e-03	6.59e-03	-4.80e-03	0.0	0.0	6.24e-06
1191	113	2.27	-1.11	8.83e-03	5.09e-04	0.0	-1.53e-04
1191	114	-2.26	1.12	-0.02	-5.11e-04	0.0	1.65e-04
1191	130	0.31	2.83	-2.93e-03	-1.29e-03	0.0	-1.49e-05
1191	145	2.56	-1.25	0.01	5.73e-04	0.0	-1.73e-04
1191	146	-2.55	1.26	-0.02	-5.75e-04	0.0	1.85e-04
1191	162	0.35	3.19	-2.71e-03	-1.46e-03	0.0	-1.72e-05
1191	177	2.53	-1.23	0.01	5.65e-04	0.0	-1.71e-04
1191	178	-2.53	1.25	-0.02	-5.67e-04	0.0	1.84e-04
1191	194	0.34	3.15	-2.81e-03	-1.44e-03	0.0	-1.35e-05
1191	209	2.97	-1.44	0.01	6.59e-04	0.0	-2.02e-04
1191	210	-2.96	1.45	-0.02	-6.60e-04	0.0	2.14e-04
1191	226	0.37	3.67	-2.58e-03	-1.68e-03	0.0	-1.44e-05
1192	4	2.68e-03	0.26	-5.95e-03	-1.46e-04	0.0	1.53e-05
1192	18	2.33e-03	0.41	-5.79e-03	-2.41e-04	0.0	1.77e-05
1192	28	2.85e-03	-0.22	-5.85e-03	1.40e-04	0.0	1.01e-05
1192	68	1.90e-03	0.17	-4.47e-03	-9.75e-05	0.0	1.08e-05
1192	75	1.66e-03	0.28	-4.36e-03	-1.61e-04	0.0	1.24e-05
1192	80	2.01e-03	-0.15	-4.40e-03	9.33e-05	0.0	7.33e-06
1192	98	1.63e-03	0.01	-4.27e-03	-2.16e-06	0.0	6.85e-06
1192	103	1.55e-03	0.06	-4.23e-03	-3.38e-05	0.0	7.74e-06
1192	107	1.56e-03	9.86e-03	-4.22e-03	-2.09e-06	0.0	6.67e-06
1192	113	1.77	-0.95	-1.80e-03	5.72e-04	0.0	-1.15e-04
1192	114	-1.76	0.97	-6.64e-03	-5.76e-04	0.0	1.28e-04
1192	130	0.24	2.25	-5.55e-03	-1.34e-03	0.0	-1.55e-05
1192	145	1.99	-1.07	-1.50e-03	6.43e-04	0.0	-1.30e-04

1192	146	-1.99	1.09	-6.95e-03	-6.48e-04	0.0	1.44e-04
1192	162	0.27	2.53	-5.72e-03	-1.51e-03	0.0	-1.80e-05
1192	177	1.97	-1.05	-1.52e-03	6.35e-04	0.0	-1.29e-04
1192	178	-1.97	1.07	-6.92e-03	-6.39e-04	0.0	1.43e-04
1192	194	0.26	2.50	-5.72e-03	-1.49e-03	0.0	-1.46e-05
1192	209	2.31	-1.23	-1.06e-03	7.40e-04	0.0	-1.53e-04
1192	210	-2.30	1.25	-7.38e-03	-7.44e-04	0.0	1.66e-04
1192	226	0.29	2.92	-5.99e-03	-1.74e-03	0.0	-1.60e-05
1193	4	5.13e-03	0.32	-6.80e-03	-1.40e-04	0.0	1.41e-05
1193	18	4.50e-03	0.52	-6.61e-03	-2.34e-04	0.0	1.63e-05
1193	28	5.25e-03	-0.29	-6.67e-03	1.44e-04	0.0	9.66e-06
1193	68	3.62e-03	0.21	-5.10e-03	-9.36e-05	0.0	9.96e-06
1193	75	3.20e-03	0.35	-4.98e-03	-1.56e-04	0.0	1.14e-05
1193	80	3.70e-03	-0.19	-5.02e-03	9.58e-05	0.0	7.01e-06
1193	98	3.06e-03	0.01	-4.86e-03	0.0	0.0	6.42e-06
1193	103	2.92e-03	0.08	-4.83e-03	-3.10e-05	0.0	7.24e-06
1193	107	2.93e-03	0.01	-4.81e-03	0.0	0.0	6.27e-06
1193	113	2.25	-1.21	-3.31e-03	5.69e-04	0.0	-1.55e-04
1193	114	-2.25	1.23	-6.31e-03	-5.68e-04	0.0	1.68e-04
1193	130	0.31	2.85	-5.58e-03	-1.33e-03	0.0	-1.16e-05
1193	145	2.54	-1.36	-3.13e-03	6.40e-04	0.0	-1.76e-04
1193	146	-2.53	1.38	-6.50e-03	-6.39e-04	0.0	1.88e-04
1193	162	0.35	3.21	-5.68e-03	-1.49e-03	0.0	-1.36e-05
1193	177	2.51	-1.34	-3.15e-03	6.31e-04	0.0	-1.74e-04
1193	178	-2.51	1.36	-6.48e-03	-6.31e-04	0.0	1.87e-04
1193	194	0.33	3.17	-5.68e-03	-1.48e-03	0.0	-1.02e-05
1193	209	2.94	-1.56	-2.87e-03	7.35e-04	0.0	-2.05e-04
1193	210	-2.94	1.58	-6.76e-03	-7.35e-04	0.0	2.18e-04
1193	226	0.37	3.70	-5.84e-03	-1.72e-03	0.0	-1.08e-05
1194	4	2.55e-03	0.26	-0.01	-1.46e-04	0.0	1.41e-05
1194	18	2.21e-03	0.42	-0.01	-2.41e-04	0.0	1.63e-05
1194	28	2.72e-03	-0.22	-0.01	1.40e-04	0.0	9.30e-06
1194	68	1.80e-03	0.18	-9.49e-03	-9.77e-05	0.0	9.93e-06
1194	75	1.57e-03	0.28	-8.82e-03	-1.61e-04	0.0	1.14e-05
1194	80	1.91e-03	-0.14	-9.06e-03	9.29e-05	0.0	6.74e-06
1194	98	1.54e-03	0.01	-8.21e-03	-2.39e-06	0.0	6.26e-06
1194	103	1.46e-03	0.07	-8.01e-03	-3.40e-05	0.0	7.09e-06
1194	107	1.47e-03	0.01	-7.94e-03	-2.33e-06	0.0	6.09e-06
1194	113	1.77	-1.02	-8.03e-03	6.24e-04	0.0	-1.18e-04
1194	124	1.09	2.00	-9.45e-03	-1.21e-03	0.0	-1.03e-04
1194	130	0.24	2.26	-9.44e-03	-1.36e-03	0.0	-1.26e-05
1194	145	1.99	-1.15	-8.04e-03	7.03e-04	0.0	-1.34e-04
1194	156	1.23	2.25	-9.64e-03	-1.36e-03	0.0	-1.17e-04
1194	162	0.27	2.54	-9.62e-03	-1.54e-03	0.0	-1.47e-05
1194	177	1.97	-1.13	-8.00e-03	6.93e-04	0.0	-1.33e-04
1194	188	1.22	2.22	-9.61e-03	-1.34e-03	0.0	-1.15e-04
1194	194	0.26	2.52	-9.60e-03	-1.52e-03	0.0	-1.16e-05
1194	209	2.31	-1.32	-8.01e-03	8.08e-04	0.0	-1.57e-04
1194	220	1.43	2.59	-9.88e-03	-1.56e-03	0.0	-1.36e-04
1194	226	0.29	2.94	-9.88e-03	-1.77e-03	0.0	-1.26e-05
1195	4	4.51e-03	0.33	-0.02	-1.37e-04	0.0	1.30e-05
1195	18	3.94e-03	0.53	-0.01	-2.31e-04	0.0	1.51e-05
1195	28	4.65e-03	-0.28	-0.01	1.45e-04	0.0	8.98e-06
1195	68	3.18e-03	0.22	-0.01	-9.15e-05	0.0	9.19e-06
1195	75	2.80e-03	0.36	-0.01	-1.54e-04	0.0	1.06e-05
1195	80	3.27e-03	-0.19	-0.01	9.68e-05	0.0	6.53e-06
1195	98	2.68e-03	0.01	-9.43e-03	1.53e-06	0.0	5.92e-06
1195	103	2.55e-03	0.08	-9.20e-03	-2.96e-05	0.0	6.69e-06
1195	107	2.55e-03	0.01	-9.11e-03	1.48e-06	0.0	5.79e-06
1195	113	2.24	-1.30	-8.08e-03	6.27e-04	0.0	-1.59e-04
1195	130	0.31	2.88	-0.01	-1.36e-03	0.0	-9.67e-06
1195	134	-1.39	2.76	-0.01	-1.30e-03	0.0	-2.91e-05
1195	145	2.52	-1.47	-7.95e-03	7.06e-04	0.0	-1.80e-04
1195	162	0.35	3.23	-0.01	-1.53e-03	0.0	-1.14e-05
1195	166	-1.57	3.10	-0.01	-1.47e-03	0.0	-3.38e-05
1195	177	2.50	-1.45	-7.99e-03	6.96e-04	0.0	-1.78e-04
1195	194	0.33	3.20	-0.01	-1.51e-03	0.0	-8.36e-06
1195	198	-1.56	3.05	-0.01	-1.44e-03	0.0	-3.53e-05
1195	209	2.93	-1.69	-7.80e-03	8.11e-04	0.0	-2.09e-04
1195	226	0.37	3.73	-0.01	-1.77e-03	0.0	-8.72e-06
1195	230	-1.82	3.54	-0.01	-1.67e-03	0.0	-4.38e-05
1196	4	2.50e-03	0.27	-0.06	-1.47e-04	0.0	8.98e-06
1196	18	2.15e-03	0.43	-0.05	-2.41e-04	0.0	1.06e-05
1196	28	2.66e-03	-0.21	-0.05	1.39e-04	0.0	6.11e-06
1196	68	1.76e-03	0.18	-0.04	-9.80e-05	0.0	6.33e-06

1196	75	1.53e-03	0.29	-0.03	-1.61e-04	0.0	7.38e-06
1196	80	1.87e-03	-0.14	-0.04	9.25e-05	0.0	4.41e-06
1196	98	1.49e-03	0.02	-0.03	-2.67e-06	0.0	3.92e-06
1196	103	1.41e-03	0.07	-0.03	-3.43e-05	0.0	4.49e-06
1196	107	1.42e-03	0.02	-0.03	-2.62e-06	0.0	3.82e-06
1196	113	1.77	-1.09	-0.03	6.78e-04	0.0	-1.27e-04
1196	130	0.24	2.28	-0.04	-1.39e-03	0.0	-8.60e-06
1196	145	1.99	-1.23	-0.03	7.63e-04	0.0	-1.44e-04
1196	162	0.27	2.56	-0.04	-1.56e-03	0.0	-9.98e-06
1196	177	1.97	-1.22	-0.03	7.53e-04	0.0	-1.42e-04
1196	194	0.26	2.54	-0.04	-1.55e-03	0.0	-7.60e-06
1196	209	2.31	-1.42	-0.03	8.78e-04	0.0	-1.67e-04
1196	226	0.29	2.96	-0.04	-1.81e-03	0.0	-7.90e-06
1197	4	4.05e-03	0.34	-0.07	-1.34e-04	0.0	8.14e-06
1197	18	3.51e-03	0.54	-0.06	-2.27e-04	0.0	9.58e-06
1197	28	4.19e-03	-0.28	-0.06	1.46e-04	0.0	6.05e-06
1197	68	2.84e-03	0.23	-0.05	-8.94e-05	0.0	5.78e-06
1197	75	2.49e-03	0.36	-0.04	-1.51e-04	0.0	6.74e-06
1197	80	2.94e-03	-0.18	-0.04	9.78e-05	0.0	4.38e-06
1197	98	2.38e-03	0.02	-0.04	2.72e-06	0.0	3.73e-06
1197	103	2.26e-03	0.09	-0.04	-2.82e-05	0.0	4.24e-06
1197	107	2.27e-03	0.02	-0.03	2.60e-06	0.0	3.65e-06
1197	113	2.23	-1.40	-0.03	6.85e-04	0.0	-1.67e-04
1197	130	0.31	2.90	-0.05	-1.39e-03	0.0	-8.41e-06
1197	145	2.52	-1.58	-0.03	7.71e-04	0.0	-1.88e-04
1197	162	0.34	3.26	-0.05	-1.56e-03	0.0	-9.77e-06
1197	177	2.49	-1.56	-0.03	7.61e-04	0.0	-1.86e-04
1197	194	0.33	3.24	-0.05	-1.55e-03	0.0	-7.37e-06
1197	209	2.92	-1.82	-0.03	8.87e-04	0.0	-2.19e-04
1197	226	0.37	3.77	-0.05	-1.81e-03	0.0	-7.52e-06
1198	4	3.23e-03	0.28	-0.26	-1.47e-04	0.0	-3.94e-06
1198	18	2.79e-03	0.44	-0.24	-2.41e-04	0.0	-4.16e-06
1198	28	3.35e-03	-0.21	-0.23	1.39e-04	0.0	-1.60e-06
1198	68	2.26e-03	0.19	-0.18	-9.80e-05	0.0	-2.73e-06
1198	75	1.96e-03	0.30	-0.16	-1.61e-04	0.0	-2.88e-06
1198	80	2.34e-03	-0.14	-0.16	9.22e-05	0.0	-1.17e-06
1198	98	1.88e-03	0.02	-0.14	-2.81e-06	0.0	-1.76e-06
1198	103	1.78e-03	0.07	-0.14	-3.44e-05	0.0	-1.88e-06
1198	107	1.78e-03	0.02	-0.13	-2.78e-06	0.0	-1.68e-06
1198	113	1.77	-1.17	-0.08	7.31e-04	0.0	-1.44e-04
1198	130	0.24	2.30	-0.24	-1.41e-03	0.0	1.06e-04
1198	145	1.99	-1.32	-0.08	8.23e-04	0.0	-1.62e-04
1198	162	0.27	2.59	-0.25	-1.59e-03	0.0	1.20e-04
1198	177	1.97	-1.31	-0.08	8.13e-04	0.0	-1.61e-04
1198	194	0.26	2.57	-0.25	-1.58e-03	0.0	1.22e-04
1198	209	2.31	-1.53	-0.07	9.48e-04	0.0	-1.88e-04
1198	226	0.29	3.00	-0.27	-1.84e-03	0.0	1.46e-04
1199	4	4.44e-03	0.34	-0.34	-1.32e-04	0.0	-5.06e-06
1199	18	3.84e-03	0.55	-0.30	-2.25e-04	0.0	-5.36e-06
1199	28	4.57e-03	-0.27	-0.31	1.47e-04	0.0	-2.07e-06
1199	68	3.11e-03	0.23	-0.23	-8.78e-05	0.0	-3.51e-06
1199	75	2.70e-03	0.37	-0.21	-1.50e-04	0.0	-3.71e-06
1199	80	3.19e-03	-0.18	-0.21	9.84e-05	0.0	-1.52e-06
1199	98	2.58e-03	0.02	-0.18	3.52e-06	0.0	-2.27e-06
1199	103	2.44e-03	0.09	-0.18	-2.73e-05	0.0	-2.42e-06
1199	107	2.44e-03	0.02	-0.17	3.34e-06	0.0	-2.16e-06
1199	113	2.23	-1.50	-0.12	7.41e-04	0.0	-1.82e-04
1199	130	0.31	2.94	-0.29	-1.42e-03	0.0	1.34e-04
1199	145	2.51	-1.70	-0.11	8.34e-04	0.0	-2.05e-04
1199	162	0.34	3.30	-0.31	-1.59e-03	0.0	1.52e-04
1199	177	2.49	-1.67	-0.11	8.23e-04	0.0	-2.03e-04
1199	194	0.33	3.28	-0.31	-1.58e-03	0.0	1.54e-04
1199	209	2.91	-1.95	-0.10	9.59e-04	0.0	-2.38e-04
1199	226	0.37	3.83	-0.33	-1.85e-03	0.0	1.84e-04
1200	4	8.90e-03	0.37	-0.01	-1.47e-04	0.0	1.01e-05
1200	18	7.74e-03	0.61	-0.01	-2.42e-04	0.0	1.17e-05
1200	41	4.49e-03	-0.60	-0.01	2.38e-04	0.0	5.99e-06
1200	68	6.21e-03	0.25	-9.93e-03	-9.80e-05	0.0	7.16e-06
1200	75	5.44e-03	0.41	-0.01	-1.61e-04	0.0	8.20e-06
1200	85	3.27e-03	-0.40	-0.01	1.58e-04	0.0	4.43e-06
1200	98	5.09e-03	4.29e-03	-0.01	-2.36e-06	0.0	4.72e-06
1200	103	4.84e-03	0.08	-0.01	-3.40e-05	0.0	5.29e-06
1200	104	3.24e-03	-0.08	-0.01	3.02e-05	0.0	4.08e-06
1200	106	3.23e-03	2.97e-03	-0.01	-1.78e-06	0.0	3.99e-06
1200	107	4.82e-03	4.10e-03	-0.01	-2.28e-06	0.0	4.61e-06

1200	113	2.61	-1.21	0.11	4.40e-04	0.0	-1.97e-04
1200	114	-2.60	1.22	-0.13	-4.44e-04	0.0	2.06e-04
1200	130	0.36	3.35	6.98e-03	-1.23e-03	0.0	-1.02e-05
1200	145	2.94	-1.36	0.13	4.95e-04	0.0	-2.22e-04
1200	146	-2.93	1.37	-0.15	-4.99e-04	0.0	2.31e-04
1200	162	0.41	3.77	9.04e-03	-1.38e-03	0.0	-1.18e-05
1200	177	2.91	-1.34	0.13	4.88e-04	0.0	-2.20e-04
1200	178	-2.90	1.35	-0.15	-4.93e-04	0.0	2.29e-04
1200	194	0.39	3.72	8.15e-03	-1.36e-03	0.0	-8.83e-06
1200	209	3.41	-1.56	0.15	5.68e-04	0.0	-2.58e-04
1200	210	-3.40	1.57	-0.17	-5.73e-04	0.0	2.67e-04
1200	226	0.43	4.33	0.01	-1.59e-03	0.0	-9.01e-06
1201	4	7.71e-03	0.37	-6.75e-03	-1.41e-04	0.0	1.03e-05
1201	18	6.71e-03	0.61	-6.75e-03	-2.36e-04	0.0	1.19e-05
1201	28	7.74e-03	-0.35	-6.74e-03	1.43e-04	0.0	7.58e-06
1201	68	5.39e-03	0.25	-5.19e-03	-9.43e-05	0.0	7.29e-06
1201	75	4.72e-03	0.41	-5.18e-03	-1.57e-04	0.0	8.36e-06
1201	80	5.41e-03	-0.24	-5.18e-03	9.56e-05	0.0	5.50e-06
1201	98	4.43e-03	6.98e-03	-5.18e-03	0.0	0.0	4.81e-06
1201	103	4.21e-03	0.09	-5.18e-03	-3.14e-05	0.0	5.39e-06
1201	107	4.20e-03	6.74e-03	-5.17e-03	0.0	0.0	4.70e-06
1201	113	2.61	-1.33	0.01	5.01e-04	0.0	-1.97e-04
1201	114	-2.60	1.34	-0.03	-5.01e-04	0.0	2.06e-04
1201	130	0.36	3.39	-2.45e-03	-1.27e-03	0.0	-9.89e-06
1201	145	2.94	-1.50	0.02	5.64e-04	0.0	-2.22e-04
1201	146	-2.93	1.51	-0.03	-5.64e-04	0.0	2.31e-04
1201	162	0.41	3.81	-2.12e-03	-1.43e-03	0.0	-1.15e-05
1201	177	2.91	-1.48	0.02	5.56e-04	0.0	-2.20e-04
1201	178	-2.90	1.49	-0.03	-5.56e-04	0.0	2.29e-04
1201	194	0.39	3.76	-2.26e-03	-1.41e-03	0.0	-8.56e-06
1201	209	3.41	-1.72	0.02	6.48e-04	0.0	-2.58e-04
1201	210	-3.40	1.73	-0.03	-6.47e-04	0.0	2.68e-04
1201	226	0.43	4.38	-1.92e-03	-1.64e-03	0.0	-8.74e-06
1202	4	0.01	0.43	-0.01	-1.47e-04	0.0	4.57e-06
1202	18	9.66e-03	0.71	-0.01	-2.42e-04	0.0	5.35e-06
1202	41	5.46e-03	-0.71	-0.01	2.37e-04	0.0	4.11e-06
1202	68	7.75e-03	0.29	-0.01	-9.83e-05	0.0	3.27e-06
1202	75	6.78e-03	0.48	-0.01	-1.62e-04	0.0	3.79e-06
1202	85	3.98e-03	-0.47	-0.01	1.58e-04	0.0	2.96e-06
1202	98	6.32e-03	5.50e-03	-0.01	-2.59e-06	0.0	2.23e-06
1202	103	6.00e-03	0.10	-0.01	-3.43e-05	0.0	2.51e-06
1202	104	3.97e-03	-0.09	-0.01	3.00e-05	0.0	2.20e-06
1202	106	3.97e-03	3.92e-03	-0.01	-2.01e-06	0.0	2.00e-06
1202	107	5.98e-03	5.28e-03	-0.01	-2.51e-06	0.0	2.20e-06
1202	113	2.94	-1.40	0.11	4.31e-04	0.0	-2.43e-04
1202	114	-2.93	1.41	-0.13	-4.36e-04	0.0	2.47e-04
1202	130	0.41	3.88	5.71e-03	-1.21e-03	0.0	1.88e-04
1202	145	3.31	-1.57	0.12	4.86e-04	0.0	-2.74e-04
1202	146	-3.30	1.58	-0.14	-4.91e-04	0.0	2.78e-04
1202	162	0.46	4.36	7.68e-03	-1.36e-03	0.0	2.12e-04
1202	177	3.28	-1.55	0.12	4.79e-04	0.0	-2.71e-04
1202	178	-3.27	1.56	-0.14	-4.84e-04	0.0	2.76e-04
1202	194	0.44	4.30	6.83e-03	-1.34e-03	0.0	2.14e-04
1202	209	3.84	-1.80	0.14	5.58e-04	0.0	-3.18e-04
1202	210	-3.82	1.81	-0.17	-5.63e-04	0.0	3.22e-04
1202	226	0.49	5.01	8.87e-03	-1.56e-03	0.0	2.55e-04
1203	4	0.01	0.43	-7.03e-03	-1.40e-04	0.0	4.76e-06
1203	18	9.16e-03	0.72	-7.03e-03	-2.34e-04	0.0	5.55e-06
1203	68	7.35e-03	0.29	-5.41e-03	-9.32e-05	0.0	3.41e-06
1203	75	6.43e-03	0.48	-5.40e-03	-1.56e-04	0.0	3.94e-06
1203	98	6.00e-03	6.73e-03	-5.39e-03	0.0	0.0	2.36e-06
1203	103	5.70e-03	0.10	-5.39e-03	-3.06e-05	0.0	2.64e-06
1203	107	5.68e-03	6.49e-03	-5.39e-03	0.0	0.0	2.32e-06
1203	113	2.94	-1.55	0.02	4.95e-04	0.0	-2.43e-04
1203	114	-2.93	1.56	-0.03	-4.93e-04	0.0	2.47e-04
1203	130	0.41	3.93	-2.19e-03	-1.25e-03	0.0	1.88e-04
1203	145	3.31	-1.74	0.02	5.57e-04	0.0	-2.73e-04
1203	146	-3.30	1.75	-0.03	-5.55e-04	0.0	2.78e-04
1203	162	0.46	4.42	-1.80e-03	-1.41e-03	0.0	2.12e-04
1203	177	3.28	-1.72	0.02	5.49e-04	0.0	-2.71e-04
1203	178	-3.27	1.73	-0.03	-5.48e-04	0.0	2.76e-04
1203	194	0.44	4.37	-1.97e-03	-1.39e-03	0.0	2.14e-04
1203	209	3.84	-2.00	0.02	6.39e-04	0.0	-3.18e-04
1203	210	-3.82	2.01	-0.04	-6.38e-04	0.0	3.22e-04
1203	226	0.49	5.09	-1.57e-03	-1.62e-03	0.0	2.56e-04

1204	4	0.01	0.50	-0.01	-1.48e-04	0.0	-2.11e-06
1204	18	0.01	0.82	-0.01	-2.43e-04	0.0	-1.89e-06
1204	41	6.46e-03	-0.81	-0.01	2.37e-04	0.0	0.0
1204	68	9.39e-03	0.33	-0.01	-9.87e-05	0.0	-1.48e-06
1204	75	8.23e-03	0.55	-0.01	-1.62e-04	0.0	-1.33e-06
1204	85	4.70e-03	-0.54	-0.01	1.57e-04	0.0	0.0
1204	98	7.62e-03	6.92e-03	-0.01	-2.95e-06	0.0	-1.16e-06
1204	103	7.24e-03	0.11	-0.01	-3.46e-05	0.0	-1.12e-06
1204	104	4.74e-03	-0.10	-0.01	2.96e-05	0.0	0.0
1204	106	4.75e-03	5.03e-03	-0.01	-2.31e-06	0.0	0.0
1204	107	7.21e-03	6.65e-03	-0.01	-2.86e-06	0.0	-1.10e-06
1204	113	3.27	-1.58	0.11	4.26e-04	0.0	-2.84e-04
1204	114	-3.25	1.59	-0.13	-4.31e-04	0.0	2.82e-04
1204	130	0.46	4.39	5.33e-03	-1.20e-03	0.0	2.15e-04
1204	145	3.68	-1.78	0.12	4.79e-04	0.0	-3.20e-04
1204	146	-3.67	1.79	-0.14	-4.85e-04	0.0	3.18e-04
1204	162	0.51	4.94	7.28e-03	-1.35e-03	0.0	2.43e-04
1204	177	3.65	-1.75	0.12	4.72e-04	0.0	-3.17e-04
1204	178	-3.63	1.76	-0.14	-4.78e-04	0.0	3.15e-04
1204	194	0.49	4.88	6.44e-03	-1.33e-03	0.0	2.46e-04
1204	209	4.27	-2.04	0.14	5.50e-04	0.0	-3.71e-04
1204	210	-4.25	2.05	-0.16	-5.56e-04	0.0	3.69e-04
1204	226	0.54	5.67	8.46e-03	-1.55e-03	0.0	2.95e-04
1205	4	0.01	0.49	-7.21e-03	-1.39e-04	0.0	0.0
1205	18	0.01	0.82	-7.19e-03	-2.33e-04	0.0	0.0
1205	68	9.53e-03	0.33	-5.53e-03	-9.26e-05	0.0	0.0
1205	75	8.35e-03	0.54	-5.52e-03	-1.55e-04	0.0	0.0
1205	98	7.73e-03	6.11e-03	-5.51e-03	1.19e-06	0.0	0.0
1205	103	7.35e-03	0.11	-5.51e-03	-3.01e-05	0.0	0.0
1205	107	7.31e-03	5.88e-03	-5.51e-03	1.16e-06	0.0	0.0
1205	113	3.27	-1.76	0.01	4.93e-04	0.0	-2.82e-04
1205	115	-2.56	-0.75	-0.03	2.14e-04	0.0	3.54e-04
1205	130	0.46	4.47	-2.15e-03	-1.24e-03	0.0	2.15e-04
1205	145	3.68	-1.98	0.02	5.54e-04	0.0	-3.18e-04
1205	147	-2.88	-0.84	-0.03	2.40e-04	0.0	3.98e-04
1205	162	0.51	5.03	-1.75e-03	-1.40e-03	0.0	2.43e-04
1205	177	3.65	-1.95	0.02	5.47e-04	0.0	-3.15e-04
1205	179	-2.86	-0.82	-0.03	2.35e-04	0.0	3.97e-04
1205	194	0.49	4.97	-1.92e-03	-1.38e-03	0.0	2.46e-04
1205	209	4.27	-2.27	0.02	6.37e-04	0.0	-3.69e-04
1205	211	-3.35	-0.95	-0.04	2.70e-04	0.0	4.66e-04
1205	226	0.54	5.78	-1.50e-03	-1.61e-03	0.0	2.94e-04
1206	4	7.10e-03	0.38	-7.31e-03	-1.36e-04	0.0	1.04e-05
1206	18	6.18e-03	0.62	-7.12e-03	-2.29e-04	0.0	1.20e-05
1206	28	7.16e-03	-0.35	-7.17e-03	1.47e-04	0.0	7.70e-06
1206	68	4.97e-03	0.25	-5.49e-03	-9.02e-05	0.0	7.38e-06
1206	75	4.35e-03	0.41	-5.36e-03	-1.52e-04	0.0	8.49e-06
1206	80	5.00e-03	-0.23	-5.40e-03	9.80e-05	0.0	5.59e-06
1206	98	4.09e-03	9.82e-03	-5.23e-03	2.53e-06	0.0	4.88e-06
1206	103	3.89e-03	0.09	-5.19e-03	-2.85e-05	0.0	5.49e-06
1206	107	3.88e-03	9.51e-03	-5.18e-03	2.46e-06	0.0	4.79e-06
1206	113	2.61	-1.45	-4.10e-03	5.66e-04	0.0	-1.98e-04
1206	114	-2.60	1.47	-6.25e-03	-5.61e-04	0.0	2.07e-04
1206	130	0.36	3.42	-5.68e-03	-1.31e-03	0.0	-9.15e-06
1206	145	2.94	-1.63	-3.97e-03	6.36e-04	0.0	-2.23e-04
1206	146	-2.93	1.65	-6.39e-03	-6.31e-04	0.0	2.33e-04
1206	162	0.40	3.85	-5.74e-03	-1.47e-03	0.0	-1.07e-05
1206	177	2.91	-1.61	-4.00e-03	6.28e-04	0.0	-2.21e-04
1206	178	-2.90	1.63	-6.36e-03	-6.23e-04	0.0	2.31e-04
1206	194	0.39	3.81	-5.74e-03	-1.46e-03	0.0	-7.92e-06
1206	209	3.41	-1.88	-3.80e-03	7.31e-04	0.0	-2.60e-04
1206	210	-3.40	1.90	-6.56e-03	-7.26e-04	0.0	2.69e-04
1206	226	0.43	4.44	-5.85e-03	-1.70e-03	0.0	-8.08e-06
1207	4	0.01	0.44	-7.71e-03	-1.32e-04	0.0	4.89e-06
1207	18	8.85e-03	0.72	-7.49e-03	-2.25e-04	0.0	5.68e-06
1207	68	7.09e-03	0.29	-5.78e-03	-8.76e-05	0.0	3.53e-06
1207	75	6.21e-03	0.48	-5.64e-03	-1.50e-04	0.0	4.05e-06
1207	98	5.79e-03	8.16e-03	-5.50e-03	4.27e-06	0.0	2.54e-06
1207	103	5.50e-03	0.10	-5.46e-03	-2.66e-05	0.0	2.81e-06
1207	107	5.49e-03	7.90e-03	-5.44e-03	4.16e-06	0.0	2.51e-06
1207	113	2.94	-1.70	-4.51e-03	5.63e-04	0.0	-2.43e-04
1207	114	-2.93	1.71	-6.37e-03	-5.55e-04	0.0	2.48e-04
1207	130	0.41	3.99	-5.85e-03	-1.30e-03	0.0	1.88e-04
1207	145	3.31	-1.91	-4.40e-03	6.33e-04	0.0	-2.74e-04
1207	146	-3.30	1.92	-6.49e-03	-6.25e-04	0.0	2.79e-04

1207	162	0.46	4.48	-5.91e-03	-1.46e-03	0.0	2.12e-04
1207	177	3.28	-1.88	-4.43e-03	6.25e-04	0.0	-2.71e-04
1207	178	-3.27	1.90	-6.45e-03	-6.17e-04	0.0	2.76e-04
1207	194	0.44	4.44	-5.91e-03	-1.44e-03	0.0	2.15e-04
1207	209	3.84	-2.19	-4.27e-03	7.27e-04	0.0	-3.18e-04
1207	210	-3.83	2.21	-6.62e-03	-7.19e-04	0.0	3.23e-04
1207	226	0.49	5.17	-6.00e-03	-1.68e-03	0.0	2.56e-04
1208	4	0.01	0.49	-8.36e-03	-1.30e-04	0.0	0.0
1208	18	0.01	0.81	-8.06e-03	-2.22e-04	0.0	0.0
1208	68	9.85e-03	0.33	-6.24e-03	-8.61e-05	0.0	0.0
1208	75	8.63e-03	0.54	-6.04e-03	-1.48e-04	0.0	0.0
1208	98	7.99e-03	5.53e-03	-5.89e-03	5.38e-06	0.0	0.0
1208	103	7.60e-03	0.11	-5.83e-03	-2.54e-05	0.0	0.0
1208	107	7.56e-03	5.33e-03	-5.81e-03	5.24e-06	0.0	0.0
1208	113	3.27	-1.94	-4.81e-03	5.63e-04	0.0	-2.82e-04
1208	114	-3.25	1.95	-6.82e-03	-5.52e-04	0.0	2.82e-04
1208	130	0.46	4.54	-6.29e-03	-1.29e-03	0.0	2.15e-04
1208	145	3.68	-2.18	-4.69e-03	6.32e-04	0.0	-3.17e-04
1208	146	-3.67	2.19	-6.94e-03	-6.22e-04	0.0	3.18e-04
1208	162	0.51	5.11	-6.35e-03	-1.45e-03	0.0	2.43e-04
1208	177	3.65	-2.15	-4.72e-03	6.24e-04	0.0	-3.15e-04
1208	178	-3.63	2.16	-6.90e-03	-6.14e-04	0.0	3.15e-04
1208	194	0.49	5.06	-6.36e-03	-1.44e-03	0.0	2.46e-04
1208	209	4.27	-2.51	-4.54e-03	7.26e-04	0.0	-3.68e-04
1208	210	-4.25	2.52	-7.09e-03	-7.16e-04	0.0	3.69e-04
1208	226	0.54	5.89	-6.46e-03	-1.68e-03	0.0	2.95e-04
1209	4	6.58e-03	0.39	-0.02	-1.30e-04	0.0	9.26e-06
1209	18	5.72e-03	0.63	-0.02	-2.22e-04	0.0	1.09e-05
1209	28	6.66e-03	-0.34	-0.02	1.49e-04	0.0	7.08e-06
1209	68	4.60e-03	0.26	-0.01	-8.63e-05	0.0	6.61e-06
1209	75	4.03e-03	0.42	-0.01	-1.48e-04	0.0	7.68e-06
1209	80	4.65e-03	-0.23	-0.01	1.00e-04	0.0	5.16e-06
1209	98	3.79e-03	0.01	-0.01	4.83e-06	0.0	4.42e-06
1209	103	3.60e-03	0.09	-9.99e-03	-2.59e-05	0.0	4.99e-06
1209	107	3.60e-03	0.01	-9.90e-03	4.69e-06	0.0	4.35e-06
1209	113	2.61	-1.57	-8.78e-03	6.28e-04	0.0	-2.00e-04
1209	130	0.36	3.46	-0.01	-1.35e-03	0.0	-8.76e-06
1209	134	-1.62	3.32	-0.01	-1.29e-03	0.0	-2.64e-05
1209	145	2.93	-1.77	-8.64e-03	7.07e-04	0.0	-2.26e-04
1209	162	0.40	3.90	-0.01	-1.52e-03	0.0	-1.03e-05
1209	166	-1.83	3.74	-0.01	-1.46e-03	0.0	-3.06e-05
1209	177	2.91	-1.75	-8.67e-03	6.97e-04	0.0	-2.24e-04
1209	194	0.38	3.86	-0.01	-1.50e-03	0.0	-7.69e-06
1209	198	-1.81	3.67	-0.01	-1.43e-03	0.0	-3.25e-05
1209	209	3.40	-2.04	-8.46e-03	8.12e-04	0.0	-2.63e-04
1209	226	0.43	4.50	-0.01	-1.75e-03	0.0	-7.86e-06
1209	230	-2.12	4.26	-0.01	-1.66e-03	0.0	-4.08e-05
1210	4	9.69e-03	0.44	-0.02	-1.25e-04	0.0	3.68e-06
1210	18	8.42e-03	0.72	-0.02	-2.16e-04	0.0	4.48e-06
1210	68	6.76e-03	0.29	-0.01	-8.26e-05	0.0	2.71e-06
1210	75	5.92e-03	0.48	-0.01	-1.44e-04	0.0	3.24e-06
1210	98	5.52e-03	9.74e-03	-0.01	7.11e-06	0.0	2.04e-06
1210	103	5.25e-03	0.10	-0.01	-2.32e-05	0.0	2.30e-06
1210	107	5.23e-03	9.46e-03	-0.01	6.92e-06	0.0	2.05e-06
1210	113	2.94	-1.85	-9.94e-03	6.28e-04	0.0	-2.44e-04
1210	130	0.41	4.04	-0.01	-1.34e-03	0.0	1.88e-04
1210	134	-1.83	3.88	-0.01	-1.29e-03	0.0	-2.41e-05
1210	145	3.31	-2.08	-9.83e-03	7.06e-04	0.0	-2.76e-04
1210	162	0.46	4.55	-0.01	-1.51e-03	0.0	2.13e-04
1210	166	-2.06	4.36	-0.01	-1.45e-03	0.0	-2.78e-05
1210	177	3.28	-2.05	-9.86e-03	6.97e-04	0.0	-2.73e-04
1210	194	0.44	4.50	-0.01	-1.49e-03	0.0	2.15e-04
1210	198	-2.04	4.29	-0.01	-1.42e-03	0.0	-2.99e-05
1210	209	3.84	-2.39	-9.69e-03	8.11e-04	0.0	-3.20e-04
1210	226	0.49	5.25	-0.01	-1.74e-03	0.0	2.57e-04
1210	230	-2.38	4.98	-0.01	-1.65e-03	0.0	-3.76e-05
1211	4	0.01	0.49	-0.02	-1.22e-04	0.0	-1.48e-06
1211	18	0.01	0.81	-0.02	-2.13e-04	0.0	-1.57e-06
1211	68	0.01	0.33	-0.02	-8.08e-05	0.0	0.0
1211	75	8.93e-03	0.54	-0.01	-1.41e-04	0.0	0.0
1211	98	8.28e-03	5.82e-03	-0.01	8.22e-06	0.0	0.0
1211	103	7.87e-03	0.11	-0.01	-2.19e-05	0.0	0.0
1211	107	7.83e-03	5.64e-03	-0.01	8.01e-06	0.0	0.0
1211	113	3.27	-2.12	-0.01	6.28e-04	0.0	-2.83e-04
1211	130	0.46	4.62	-0.01	-1.33e-03	0.0	2.15e-04

1211	134	-2.03	4.44	-0.01	-1.28e-03	0.0	-2.40e-05
1211	145	3.68	-2.38	-0.01	7.06e-04	0.0	-3.19e-04
1211	162	0.51	5.20	-0.01	-1.50e-03	0.0	2.43e-04
1211	166	-2.28	4.99	-0.01	-1.44e-03	0.0	-2.74e-05
1211	177	3.65	-2.35	-0.01	6.97e-04	0.0	-3.16e-04
1211	194	0.49	5.15	-0.01	-1.49e-03	0.0	2.47e-04
1211	198	-2.26	4.90	-0.01	-1.42e-03	0.0	-2.94e-05
1211	209	4.27	-2.74	-0.01	8.11e-04	0.0	-3.70e-04
1211	226	0.54	6.01	-0.01	-1.74e-03	0.0	2.95e-04
1211	230	-2.65	5.69	-0.01	-1.65e-03	0.0	-3.68e-05
1212	4	6.06e-03	0.39	-0.07	-1.24e-04	0.0	4.92e-06
1212	18	5.26e-03	0.63	-0.07	-2.15e-04	0.0	6.00e-06
1212	28	6.15e-03	-0.34	-0.07	1.53e-04	0.0	4.50e-06
1212	68	4.24e-03	0.26	-0.05	-8.20e-05	0.0	3.57e-06
1212	75	3.70e-03	0.42	-0.05	-1.43e-04	0.0	4.29e-06
1212	80	4.30e-03	-0.23	-0.05	1.02e-04	0.0	3.29e-06
1212	98	3.49e-03	0.02	-0.04	7.41e-06	0.0	2.47e-06
1212	103	3.32e-03	0.10	-0.04	-2.30e-05	0.0	2.83e-06
1212	107	3.31e-03	0.01	-0.04	7.17e-06	0.0	2.47e-06
1212	113	2.60	-1.70	-0.03	6.91e-04	0.0	-2.06e-04
1212	130	0.36	3.50	-0.05	-1.39e-03	0.0	-9.90e-06
1212	145	2.93	-1.91	-0.03	7.77e-04	0.0	-2.32e-04
1212	162	0.40	3.94	-0.06	-1.56e-03	0.0	-1.14e-05
1212	177	2.91	-1.89	-0.03	7.67e-04	0.0	-2.30e-04
1212	194	0.38	3.91	-0.06	-1.55e-03	0.0	-9.13e-06
1212	209	3.40	-2.20	-0.03	8.93e-04	0.0	-2.70e-04
1212	226	0.43	4.56	-0.06	-1.81e-03	0.0	-9.40e-06
1213	4	9.08e-03	0.44	-0.09	-1.17e-04	0.0	0.0
1213	18	7.89e-03	0.72	-0.08	-2.07e-04	0.0	0.0
1213	28	9.09e-03	-0.41	-0.08	1.57e-04	0.0	1.34e-06
1213	68	6.34e-03	0.30	-0.06	-7.71e-05	0.0	0.0
1213	75	5.55e-03	0.48	-0.06	-1.37e-04	0.0	0.0
1213	80	6.35e-03	-0.27	-0.06	1.06e-04	0.0	1.03e-06
1213	98	5.19e-03	0.01	-0.05	1.06e-05	0.0	0.0
1213	103	4.93e-03	0.11	-0.05	-1.93e-05	0.0	0.0
1213	107	4.91e-03	0.01	-0.05	1.03e-05	0.0	0.0
1213	113	2.94	-2.00	-0.04	6.94e-04	0.0	-2.48e-04
1213	130	0.41	4.10	-0.06	-1.38e-03	0.0	1.88e-04
1213	145	3.31	-2.25	-0.04	7.80e-04	0.0	-2.79e-04
1213	162	0.46	4.62	-0.07	-1.56e-03	0.0	2.12e-04
1213	177	3.28	-2.22	-0.04	7.70e-04	0.0	-2.77e-04
1213	194	0.44	4.58	-0.07	-1.54e-03	0.0	2.15e-04
1213	209	3.84	-2.59	-0.04	8.96e-04	0.0	-3.24e-04
1213	226	0.49	5.34	-0.07	-1.80e-03	0.0	2.57e-04
1214	4	0.02	0.49	-0.12	-1.14e-04	0.0	-4.55e-06
1214	18	0.01	0.81	-0.10	-2.03e-04	0.0	-4.51e-06
1214	68	0.01	0.33	-0.08	-7.47e-05	0.0	-3.08e-06
1214	75	9.39e-03	0.54	-0.07	-1.34e-04	0.0	-3.05e-06
1214	98	8.73e-03	4.97e-03	-0.07	1.22e-05	0.0	-1.85e-06
1214	103	8.30e-03	0.11	-0.06	-1.75e-05	0.0	-1.90e-06
1214	107	8.27e-03	4.85e-03	-0.06	1.19e-05	0.0	-1.70e-06
1214	113	3.27	-2.30	-0.05	6.95e-04	0.0	-2.85e-04
1214	130	0.46	4.70	-0.08	-1.38e-03	0.0	2.14e-04
1214	145	3.68	-2.59	-0.05	7.81e-04	0.0	-3.21e-04
1214	162	0.51	5.29	-0.08	-1.55e-03	0.0	2.43e-04
1214	177	3.65	-2.56	-0.05	7.71e-04	0.0	-3.19e-04
1214	194	0.49	5.24	-0.08	-1.54e-03	0.0	2.46e-04
1214	209	4.27	-2.98	-0.05	8.97e-04	0.0	-3.73e-04
1214	226	0.54	6.12	-0.09	-1.80e-03	0.0	2.95e-04
1215	4	6.57e-03	0.39	-0.43	-1.19e-04	0.0	-6.17e-06
1215	18	5.69e-03	0.64	-0.38	-2.10e-04	0.0	-6.53e-06
1215	28	6.66e-03	-0.34	-0.40	1.56e-04	0.0	-2.54e-06
1215	68	4.59e-03	0.26	-0.30	-7.83e-05	0.0	-4.28e-06
1215	75	4.00e-03	0.43	-0.27	-1.39e-04	0.0	-4.52e-06
1215	80	4.65e-03	-0.22	-0.28	1.05e-04	0.0	-1.86e-06
1215	98	3.77e-03	0.02	-0.24	9.73e-06	0.0	-2.77e-06
1215	103	3.58e-03	0.10	-0.23	-2.05e-05	0.0	-2.95e-06
1215	107	3.58e-03	0.02	-0.23	9.37e-06	0.0	-2.63e-06
1215	113	2.60	-1.83	-0.17	7.50e-04	0.0	-2.18e-04
1215	130	0.36	3.55	-0.35	-1.42e-03	0.0	1.60e-04
1215	145	2.93	-2.06	-0.16	8.42e-04	0.0	-2.46e-04
1215	162	0.40	4.00	-0.37	-1.60e-03	0.0	1.82e-04
1215	177	2.91	-2.03	-0.16	8.32e-04	0.0	-2.44e-04
1215	194	0.38	3.96	-0.36	-1.58e-03	0.0	1.84e-04
1215	209	3.40	-2.37	-0.16	9.68e-04	0.0	-2.85e-04

1215	226	0.43	4.63	-0.39	-1.85e-03	0.0	2.21e-04
1216	4	0.01	0.44	-0.58	-1.11e-04	0.0	-7.26e-06
1216	18	8.72e-03	0.72	-0.51	-2.01e-04	0.0	-7.70e-06
1216	28	0.01	-0.41	-0.55	1.61e-04	0.0	-3.00e-06
1216	68	7.01e-03	0.29	-0.40	-7.28e-05	0.0	-5.04e-06
1216	75	6.13e-03	0.48	-0.36	-1.33e-04	0.0	-5.33e-06
1216	80	7.02e-03	-0.27	-0.38	1.09e-04	0.0	-2.20e-06
1216	98	5.74e-03	0.01	-0.32	1.36e-05	0.0	-3.26e-06
1216	103	5.45e-03	0.10	-0.31	-1.62e-05	0.0	-3.48e-06
1216	107	5.43e-03	9.89e-03	-0.31	1.32e-05	0.0	-3.10e-06
1216	113	2.94	-2.16	-0.30	7.56e-04	0.0	-2.55e-04
1216	130	0.41	4.16	-0.43	-1.42e-03	0.0	1.87e-04
1216	145	3.31	-2.43	-0.30	8.49e-04	0.0	-2.87e-04
1216	162	0.46	4.69	-0.44	-1.60e-03	0.0	2.12e-04
1216	177	3.28	-2.40	-0.30	8.38e-04	0.0	-2.85e-04
1216	194	0.44	4.65	-0.44	-1.59e-03	0.0	2.15e-04
1216	209	3.84	-2.80	-0.30	9.75e-04	0.0	-3.33e-04
1216	226	0.49	5.43	-0.46	-1.86e-03	0.0	2.58e-04
1217	4	0.01	0.49	-0.78	-2.38e-04	8.28e-05	1.08e-06
1217	18	0.01	0.81	-0.68	-2.07e-04	7.41e-05	1.37e-06
1217	68	0.01	0.32	-0.54	-1.65e-04	5.84e-05	0.0
1217	75	8.75e-03	0.54	-0.48	-1.44e-04	5.26e-05	0.0
1217	98	8.19e-03	3.16e-03	-0.44	-1.31e-04	4.83e-05	0.0
1217	103	7.77e-03	0.11	-0.42	-1.24e-04	4.65e-05	0.0
1217	107	7.75e-03	3.15e-03	-0.41	-1.23e-04	4.62e-05	0.0
1217	113	3.27	-2.49	-0.41	-1.42e-04	1.34e-03	-3.34e-04
1217	130	0.46	4.78	-0.53	-1.67e-04	2.73e-04	2.42e-04
1217	145	3.68	-2.80	-0.41	-1.45e-04	1.50e-03	-3.76e-04
1217	162	0.51	5.38	-0.55	-1.72e-04	3.01e-04	2.74e-04
1217	177	3.65	-2.76	-0.41	-1.44e-04	1.47e-03	-3.76e-04
1217	194	0.49	5.34	-0.54	-1.72e-04	2.95e-04	2.81e-04
1217	209	4.27	-3.22	-0.41	-1.47e-04	1.70e-03	-4.42e-04
1217	226	0.54	6.24	-0.57	-1.79e-04	3.29e-04	3.37e-04
1218	4	0.01	0.37	-0.03	-1.49e-04	0.0	-2.55e-06
1218	18	9.64e-03	0.61	-0.03	-2.44e-04	0.0	-1.93e-06
1218	41	5.31e-03	-0.60	-0.03	2.37e-04	0.0	-1.80e-06
1218	68	7.74e-03	0.25	-0.02	-9.96e-05	0.0	-1.85e-06
1218	75	6.76e-03	0.41	-0.02	-1.63e-04	0.0	-1.43e-06
1218	85	3.87e-03	-0.40	-0.02	1.58e-04	0.0	-1.34e-06
1218	98	6.28e-03	7.22e-03	-0.02	-3.43e-06	0.0	-1.86e-06
1218	103	5.96e-03	0.09	-0.02	-3.52e-05	0.0	-1.69e-06
1218	104	3.89e-03	-0.08	-0.02	2.95e-05	0.0	-1.37e-06
1218	106	3.89e-03	5.16e-03	-0.02	-2.58e-06	0.0	-1.38e-06
1218	107	5.94e-03	6.92e-03	-0.02	-3.31e-06	0.0	-1.79e-06
1218	113	2.60	-0.83	-0.09	2.96e-04	0.0	-2.23e-04
1218	132	-0.22	3.30	-0.02	-1.18e-03	0.0	-1.68e-04
1218	145	2.93	-0.93	-0.10	3.33e-04	0.0	-2.51e-04
1218	164	-0.25	3.71	-0.02	-1.33e-03	0.0	-1.90e-04
1218	177	2.91	-0.92	-0.10	3.28e-04	0.0	-2.49e-04
1218	196	-0.25	3.66	-0.02	-1.31e-03	0.0	-1.90e-04
1218	209	3.40	-1.07	-0.11	3.81e-04	0.0	-2.91e-04
1218	232	-0.44	4.25	-0.01	-1.52e-03	0.0	-2.32e-04
1219	4	9.39e-03	0.31	-0.03	-1.49e-04	0.0	-2.34e-06
1219	18	7.99e-03	0.50	-0.03	-2.44e-04	0.0	-1.89e-06
1219	41	3.78e-03	-0.50	-0.03	2.37e-04	0.0	-1.52e-06
1219	68	6.44e-03	0.21	-0.02	-9.95e-05	0.0	-1.69e-06
1219	75	5.50e-03	0.34	-0.02	-1.63e-04	0.0	-1.39e-06
1219	85	2.70e-03	-0.33	-0.02	1.58e-04	0.0	-1.14e-06
1219	98	5.04e-03	5.72e-03	-0.02	-3.43e-06	0.0	-1.63e-06
1219	103	4.73e-03	0.07	-0.02	-3.52e-05	0.0	-1.51e-06
1219	104	2.73e-03	-0.06	-0.02	2.95e-05	0.0	-1.21e-06
1219	106	2.74e-03	4.04e-03	-0.02	-2.58e-06	0.0	-1.23e-06
1219	107	4.71e-03	5.48e-03	-0.02	-3.31e-06	0.0	-1.57e-06
1219	113	2.35	-0.70	-0.09	2.96e-04	0.0	-2.41e-04
1219	132	-0.20	2.79	-0.02	-1.18e-03	0.0	1.26e-05
1219	145	2.64	-0.79	-0.10	3.33e-04	0.0	-2.71e-04
1219	164	-0.23	3.14	-0.02	-1.33e-03	0.0	1.46e-05
1219	177	2.62	-0.78	-0.10	3.28e-04	0.0	-2.69e-04
1219	196	-0.22	3.09	-0.02	-1.31e-03	0.0	1.51e-05
1219	209	3.06	-0.90	-0.11	3.81e-04	0.0	-3.16e-04
1219	232	-0.39	3.60	-0.01	-1.52e-03	0.0	1.19e-05
1220	4	0.01	0.44	-0.03	-1.49e-04	0.0	-2.92e-06
1220	18	0.01	0.72	-0.03	-2.44e-04	0.0	-2.11e-06
1220	41	5.86e-03	-0.70	-0.03	2.37e-04	0.0	-2.27e-06
1220	68	8.42e-03	0.29	-0.02	-9.96e-05	0.0	-2.11e-06

1220	75	7.36e-03	0.48	-0.02	-1.63e-04	0.0	-1.57e-06
1220	85	4.27e-03	-0.47	-0.02	1.58e-04	0.0	-1.68e-06
1220	98	6.86e-03	8.71e-03	-0.02	-3.40e-06	0.0	-2.20e-06
1220	103	6.51e-03	0.10	-0.02	-3.51e-05	0.0	-1.97e-06
1220	104	4.28e-03	-0.09	-0.02	2.95e-05	0.0	-1.64e-06
1220	106	4.28e-03	6.29e-03	-0.02	-2.56e-06	0.0	-1.63e-06
1220	107	6.49e-03	8.36e-03	-0.02	-3.28e-06	0.0	-2.12e-06
1220	113	2.94	-0.96	-0.09	2.95e-04	0.0	-2.56e-04
1220	132	-0.25	3.81	-0.02	-1.18e-03	0.0	-1.95e-04
1220	145	3.31	-1.08	-0.10	3.33e-04	0.0	-2.89e-04
1220	164	-0.28	4.28	-0.02	-1.32e-03	0.0	-2.20e-04
1220	177	3.28	-1.06	-0.10	3.27e-04	0.0	-2.86e-04
1220	196	-0.28	4.22	-0.02	-1.30e-03	0.0	-2.20e-04
1220	209	3.84	-1.23	-0.11	3.81e-04	0.0	-3.34e-04
1220	232	-0.49	4.91	-0.01	-1.52e-03	0.0	-2.70e-04
1221	4	0.01	0.50	-0.03	-1.49e-04	0.0	-3.37e-06
1221	18	0.01	0.82	-0.03	-2.44e-04	0.0	-2.34e-06
1221	41	6.37e-03	-0.81	-0.03	2.37e-04	0.0	-3.04e-06
1221	68	9.04e-03	0.33	-0.02	-9.96e-05	0.0	-2.45e-06
1221	75	7.90e-03	0.55	-0.02	-1.63e-04	0.0	-1.76e-06
1221	85	4.64e-03	-0.54	-0.02	1.58e-04	0.0	-2.23e-06
1221	98	7.38e-03	0.01	-0.02	-3.38e-06	0.0	-2.64e-06
1221	103	7.01e-03	0.12	-0.02	-3.51e-05	0.0	-2.34e-06
1221	104	4.64e-03	-0.10	-0.02	2.96e-05	0.0	-2.02e-06
1221	106	4.63e-03	7.38e-03	-0.02	-2.54e-06	0.0	-1.97e-06
1221	107	6.99e-03	9.77e-03	-0.02	-3.26e-06	0.0	-2.54e-06
1221	113	3.27	-1.08	-0.09	2.95e-04	0.0	-2.86e-04
1221	132	-0.28	4.32	-0.02	-1.17e-03	0.0	-2.17e-04
1221	145	3.68	-1.22	-0.10	3.32e-04	0.0	-3.21e-04
1221	164	-0.32	4.86	-0.02	-1.32e-03	0.0	-2.45e-04
1221	177	3.65	-1.20	-0.10	3.27e-04	0.0	-3.19e-04
1221	196	-0.31	4.79	-0.02	-1.30e-03	0.0	-2.46e-04
1221	209	4.27	-1.40	-0.11	3.80e-04	0.0	-3.72e-04
1221	232	-0.55	5.56	-0.01	-1.51e-03	0.0	-3.01e-04
1222	4	0.01	0.37	-0.03	-1.49e-04	0.0	-2.59e-06
1222	18	9.24e-03	0.61	-0.03	-2.44e-04	0.0	-1.98e-06
1222	41	5.17e-03	-0.60	-0.04	2.38e-04	0.0	-1.80e-06
1222	68	7.41e-03	0.25	-0.03	-9.92e-05	0.0	-1.87e-06
1222	75	6.48e-03	0.41	-0.03	-1.63e-04	0.0	-1.47e-06
1222	85	3.77e-03	-0.40	-0.03	1.58e-04	0.0	-1.35e-06
1222	98	6.04e-03	6.24e-03	-0.03	-3.06e-06	0.0	-1.87e-06
1222	103	5.74e-03	0.09	-0.03	-3.48e-05	0.0	-1.70e-06
1222	104	3.78e-03	-0.08	-0.03	2.98e-05	0.0	-1.38e-06
1222	106	3.78e-03	4.44e-03	-0.03	-2.32e-06	0.0	-1.39e-06
1222	107	5.72e-03	5.99e-03	-0.03	-2.96e-06	0.0	-1.80e-06
1222	113	2.60	-0.99	-0.03	3.52e-04	0.0	-2.22e-04
1222	126	0.22	3.26	-0.02	-1.16e-03	0.0	1.65e-04
1222	145	2.93	-1.11	-0.03	3.96e-04	0.0	-2.50e-04
1222	158	0.25	3.67	-0.02	-1.30e-03	0.0	1.87e-04
1222	177	2.91	-1.09	-0.03	3.90e-04	0.0	-2.48e-04
1222	190	0.25	3.61	-0.02	-1.29e-03	0.0	1.87e-04
1222	209	3.40	-1.27	-0.03	4.53e-04	0.0	-2.90e-04
1222	222	0.29	4.20	-0.02	-1.49e-03	0.0	2.21e-04
1223	4	9.80e-03	0.31	-0.03	-1.49e-04	0.0	-2.29e-06
1223	18	8.52e-03	0.50	-0.03	-2.44e-04	0.0	-1.75e-06
1223	41	4.77e-03	-0.50	-0.03	2.38e-04	0.0	-1.65e-06
1223	68	6.83e-03	0.20	-0.03	-9.92e-05	0.0	-1.66e-06
1223	75	5.97e-03	0.34	-0.03	-1.63e-04	0.0	-1.30e-06
1223	85	3.47e-03	-0.33	-0.03	1.58e-04	0.0	-1.23e-06
1223	98	5.57e-03	4.91e-03	-0.03	-3.08e-06	0.0	-1.67e-06
1223	103	5.29e-03	0.07	-0.03	-3.48e-05	0.0	-1.52e-06
1223	104	3.48e-03	-0.06	-0.03	2.98e-05	0.0	-1.25e-06
1223	106	3.48e-03	3.43e-03	-0.03	-2.33e-06	0.0	-1.25e-06
1223	107	5.27e-03	4.69e-03	-0.03	-2.97e-06	0.0	-1.61e-06
1223	113	2.36	-0.83	-0.03	3.52e-04	0.0	-1.94e-04
1223	126	0.20	2.76	-0.02	-1.16e-03	0.0	1.44e-04
1223	145	2.66	-0.94	-0.03	3.96e-04	0.0	-2.18e-04
1223	158	0.23	3.10	-0.02	-1.31e-03	0.0	1.63e-04
1223	177	2.64	-0.92	-0.03	3.90e-04	0.0	-2.16e-04
1223	190	0.22	3.06	-0.02	-1.29e-03	0.0	1.63e-04
1223	209	3.08	-1.08	-0.03	4.53e-04	0.0	-2.52e-04
1223	222	0.26	3.55	-0.02	-1.49e-03	0.0	1.93e-04
1224	4	0.01	0.44	-0.03	-1.48e-04	0.0	-2.93e-06
1224	18	0.01	0.72	-0.03	-2.44e-04	0.0	-2.26e-06
1224	41	5.75e-03	-0.71	-0.04	2.38e-04	0.0	-1.96e-06

1224	68	8.25e-03	0.29	-0.03	-9.92e-05	0.0	-2.11e-06
1224	75	7.22e-03	0.48	-0.03	-1.63e-04	0.0	-1.66e-06
1224	85	4.19e-03	-0.47	-0.03	1.58e-04	0.0	-1.47e-06
1224	98	6.72e-03	7.57e-03	-0.03	-3.01e-06	0.0	-2.10e-06
1224	103	6.38e-03	0.10	-0.03	-3.48e-05	0.0	-1.91e-06
1224	104	4.20e-03	-0.09	-0.03	2.98e-05	0.0	-1.53e-06
1224	106	4.20e-03	5.44e-03	-0.03	-2.28e-06	0.0	-1.55e-06
1224	107	6.36e-03	7.26e-03	-0.03	-2.91e-06	0.0	-2.02e-06
1224	113	2.94	-1.14	-0.03	3.52e-04	0.0	-2.56e-04
1224	126	0.25	3.76	-0.02	-1.16e-03	0.0	1.90e-04
1224	145	3.31	-1.28	-0.03	3.96e-04	0.0	-2.88e-04
1224	158	0.28	4.23	-0.02	-1.30e-03	0.0	2.15e-04
1224	177	3.28	-1.26	-0.03	3.90e-04	0.0	-2.86e-04
1224	190	0.28	4.17	-0.02	-1.28e-03	0.0	2.15e-04
1224	209	3.84	-1.47	-0.03	4.53e-04	0.0	-3.34e-04
1224	222	0.32	4.84	-0.02	-1.49e-03	0.0	2.55e-04
1225	4	0.01	0.50	-0.03	-1.48e-04	0.0	-3.23e-06
1225	18	0.01	0.82	-0.03	-2.44e-04	0.0	-2.50e-06
1225	41	6.34e-03	-0.81	-0.04	2.38e-04	0.0	-2.08e-06
1225	68	9.13e-03	0.33	-0.03	-9.92e-05	0.0	-2.33e-06
1225	75	7.99e-03	0.55	-0.03	-1.63e-04	0.0	-1.84e-06
1225	85	4.62e-03	-0.54	-0.03	1.58e-04	0.0	-1.56e-06
1225	98	7.43e-03	8.84e-03	-0.03	-2.96e-06	0.0	-2.29e-06
1225	103	7.06e-03	0.12	-0.03	-3.48e-05	0.0	-2.09e-06
1225	104	4.64e-03	-0.10	-0.03	2.99e-05	0.0	-1.66e-06
1225	106	4.65e-03	6.40e-03	-0.03	-2.24e-06	0.0	-1.68e-06
1225	107	7.03e-03	8.49e-03	-0.03	-2.86e-06	0.0	-2.20e-06
1225	113	3.27	-1.29	-0.03	3.52e-04	0.0	-2.85e-04
1225	126	0.28	4.27	-0.02	-1.16e-03	0.0	2.11e-04
1225	145	3.68	-1.45	-0.03	3.96e-04	0.0	-3.21e-04
1225	158	0.32	4.80	-0.02	-1.30e-03	0.0	2.39e-04
1225	177	3.65	-1.43	-0.03	3.90e-04	0.0	-3.18e-04
1225	190	0.31	4.72	-0.02	-1.28e-03	0.0	2.39e-04
1225	209	4.27	-1.66	-0.03	4.53e-04	0.0	-3.72e-04
1225	222	0.36	5.49	-0.02	-1.49e-03	0.0	2.83e-04
1226	4	0.01	0.37	-0.03	-1.48e-04	0.0	-2.62e-06
1226	18	8.82e-03	0.61	-0.03	-2.43e-04	0.0	-2.04e-06
1226	41	5.01e-03	-0.60	-0.03	2.38e-04	0.0	-1.81e-06
1226	68	7.07e-03	0.25	-0.02	-9.90e-05	0.0	-1.90e-06
1226	75	6.19e-03	0.41	-0.02	-1.62e-04	0.0	-1.51e-06
1226	85	3.66e-03	-0.40	-0.02	1.58e-04	0.0	-1.35e-06
1226	98	5.78e-03	5.28e-03	-0.02	-2.88e-06	0.0	-1.88e-06
1226	103	5.49e-03	0.09	-0.02	-3.46e-05	0.0	-1.72e-06
1226	104	3.65e-03	-0.08	-0.02	2.99e-05	0.0	-1.39e-06
1226	106	3.65e-03	3.72e-03	-0.02	-2.20e-06	0.0	-1.40e-06
1226	107	5.47e-03	5.05e-03	-0.02	-2.78e-06	0.0	-1.81e-06
1226	111	-2.59	-0.85	-0.09	3.07e-04	0.0	2.20e-04
1226	113	2.60	-1.08	0.03	3.84e-04	0.0	-2.22e-04
1226	130	0.36	3.31	-0.01	-1.18e-03	0.0	1.66e-04
1226	143	-2.92	-0.96	-0.10	3.45e-04	0.0	2.48e-04
1226	145	2.93	-1.22	0.04	4.32e-04	0.0	-2.50e-04
1226	162	0.41	3.72	-0.01	-1.33e-03	0.0	1.87e-04
1226	175	-2.89	-0.94	-0.10	3.40e-04	0.0	2.46e-04
1226	177	2.91	-1.20	0.04	4.26e-04	0.0	-2.48e-04
1226	194	0.39	3.66	-0.01	-1.31e-03	0.0	1.90e-04
1226	207	-3.39	-1.10	-0.11	3.95e-04	0.0	2.88e-04
1226	209	3.40	-1.40	0.05	4.95e-04	0.0	-2.89e-04
1226	226	0.43	4.26	-0.01	-1.52e-03	0.0	2.27e-04
1227	4	0.01	0.31	-0.03	-1.48e-04	0.0	-2.23e-06
1227	18	8.87e-03	0.50	-0.03	-2.43e-04	0.0	-1.60e-06
1227	41	5.65e-03	-0.50	-0.03	2.38e-04	0.0	-1.77e-06
1227	68	7.07e-03	0.20	-0.02	-9.90e-05	0.0	-1.62e-06
1227	75	6.32e-03	0.34	-0.02	-1.62e-04	0.0	-1.20e-06
1227	85	4.17e-03	-0.33	-0.02	1.58e-04	0.0	-1.31e-06
1227	98	5.97e-03	4.03e-03	-0.02	-2.88e-06	0.0	-1.70e-06
1227	103	5.72e-03	0.07	-0.02	-3.46e-05	0.0	-1.52e-06
1227	104	4.16e-03	-0.06	-0.02	2.99e-05	0.0	-1.27e-06
1227	106	4.15e-03	2.77e-03	-0.02	-2.20e-06	0.0	-1.26e-06
1227	107	5.71e-03	3.85e-03	-0.02	-2.78e-06	0.0	-1.63e-06
1227	111	-2.33	-0.72	-0.09	3.07e-04	0.0	2.38e-04
1227	113	2.35	-0.92	0.03	3.84e-04	0.0	-1.91e-04
1227	130	0.33	2.79	-0.01	-1.18e-03	0.0	-1.34e-05
1227	143	-2.63	-0.81	-0.10	3.45e-04	0.0	2.68e-04
1227	145	2.64	-1.03	0.04	4.32e-04	0.0	-2.15e-04
1227	162	0.37	3.14	-0.01	-1.33e-03	0.0	-1.48e-05

1227	175	-2.60	-0.80	-0.10	3.40e-04	0.0	2.66e-04
1227	177	2.62	-1.02	0.04	4.26e-04	0.0	-2.12e-04
1227	194	0.35	3.10	-0.01	-1.31e-03	0.0	-1.29e-05
1227	207	-3.05	-0.92	-0.11	3.95e-04	0.0	3.13e-04
1227	209	3.07	-1.19	0.05	4.96e-04	0.0	-2.48e-04
1227	226	0.39	3.60	-0.01	-1.52e-03	0.0	-1.34e-05
1228	4	0.01	0.43	-0.03	-1.48e-04	0.0	-2.94e-06
1228	18	0.01	0.71	-0.03	-2.43e-04	0.0	-2.39e-06
1228	41	5.66e-03	-0.71	-0.03	2.38e-04	0.0	-1.67e-06
1228	68	8.08e-03	0.29	-0.02	-9.90e-05	0.0	-2.11e-06
1228	75	7.07e-03	0.48	-0.02	-1.62e-04	0.0	-1.75e-06
1228	85	4.13e-03	-0.47	-0.02	1.58e-04	0.0	-1.27e-06
1228	98	6.59e-03	6.52e-03	-0.02	-2.86e-06	0.0	-2.00e-06
1228	103	6.26e-03	0.10	-0.02	-3.46e-05	0.0	-1.85e-06
1228	104	4.13e-03	-0.09	-0.02	2.99e-05	0.0	-1.43e-06
1228	106	4.13e-03	4.67e-03	-0.02	-2.19e-06	0.0	-1.48e-06
1228	107	6.23e-03	6.26e-03	-0.02	-2.76e-06	0.0	-1.92e-06
1228	111	-2.92	-0.98	-0.09	3.06e-04	0.0	2.53e-04
1228	113	2.94	-1.25	0.03	3.83e-04	0.0	-2.56e-04
1228	130	0.41	3.82	-0.01	-1.18e-03	0.0	1.92e-04
1228	143	-3.29	-1.11	-0.10	3.45e-04	0.0	2.85e-04
1228	145	3.31	-1.41	0.04	4.31e-04	0.0	-2.88e-04
1228	162	0.46	4.29	-0.01	-1.32e-03	0.0	2.17e-04
1228	175	-3.26	-1.09	-0.10	3.39e-04	0.0	2.83e-04
1228	177	3.28	-1.39	0.04	4.25e-04	0.0	-2.86e-04
1228	194	0.44	4.23	-0.01	-1.31e-03	0.0	2.21e-04
1228	207	-3.82	-1.27	-0.11	3.94e-04	0.0	3.31e-04
1228	209	3.84	-1.61	0.05	4.94e-04	0.0	-3.34e-04
1228	226	0.49	4.92	-0.01	-1.52e-03	0.0	2.64e-04
1229	4	0.01	0.50	-0.03	-1.48e-04	0.0	-3.07e-06
1229	18	0.01	0.82	-0.03	-2.43e-04	0.0	-2.61e-06
1229	41	6.44e-03	-0.81	-0.03	2.38e-04	0.0	-1.16e-06
1229	68	9.29e-03	0.33	-0.02	-9.90e-05	0.0	-2.19e-06
1229	75	8.13e-03	0.55	-0.02	-1.62e-04	0.0	-1.88e-06
1229	85	4.70e-03	-0.54	-0.02	1.58e-04	0.0	0.0
1229	98	7.55e-03	7.75e-03	-0.02	-2.84e-06	0.0	-1.94e-06
1229	103	7.18e-03	0.12	-0.02	-3.46e-05	0.0	-1.83e-06
1229	104	4.71e-03	-0.10	-0.02	2.99e-05	0.0	-1.30e-06
1229	106	4.72e-03	5.61e-03	-0.02	-2.18e-06	0.0	-1.40e-06
1229	107	7.15e-03	7.44e-03	-0.02	-2.75e-06	0.0	-1.87e-06
1229	111	-3.25	-1.12	-0.09	3.06e-04	0.0	2.82e-04
1229	113	3.27	-1.42	0.03	3.82e-04	0.0	-2.85e-04
1229	130	0.46	4.32	-0.01	-1.18e-03	0.0	2.14e-04
1229	143	-3.66	-1.26	-0.10	3.44e-04	0.0	3.17e-04
1229	145	3.68	-1.59	0.04	4.30e-04	0.0	-3.21e-04
1229	162	0.51	4.86	-0.01	-1.32e-03	0.0	2.43e-04
1229	175	-3.63	-1.24	-0.10	3.39e-04	0.0	3.15e-04
1229	177	3.65	-1.57	0.04	4.24e-04	0.0	-3.18e-04
1229	194	0.49	4.79	-0.01	-1.30e-03	0.0	2.46e-04
1229	207	-4.25	-1.44	-0.11	3.94e-04	0.0	3.69e-04
1229	209	4.27	-1.83	0.05	4.93e-04	0.0	-3.72e-04
1229	226	0.54	5.58	-0.01	-1.52e-03	0.0	2.95e-04
1230	4	1.62e-03	0.07	-0.02	-1.69e-04	0.0	-4.59e-06
1230	18	1.42e-03	0.11	-0.02	-2.67e-04	0.0	-5.15e-06
1230	68	1.13e-03	0.05	-0.01	-1.14e-04	0.0	-3.21e-06
1230	75	9.95e-04	0.07	-0.01	-1.79e-04	0.0	-3.59e-06
1230	98	9.02e-04	5.52e-03	-0.01	-1.21e-05	0.0	-2.04e-06
1230	103	8.61e-04	0.02	-0.01	-4.51e-05	0.0	-2.26e-06
1230	107	8.53e-04	5.36e-03	-0.01	-1.18e-05	0.0	-1.97e-06
1230	113	0.42	-0.30	-0.01	7.61e-04	0.0	-4.89e-05
1230	124	0.26	0.46	-0.01	-1.16e-03	0.0	6.61e-06
1230	130	0.06	0.56	-0.01	-1.41e-03	0.0	3.20e-05
1230	145	0.47	-0.34	-0.01	8.58e-04	0.0	-5.49e-05
1230	156	0.29	0.52	-0.01	-1.30e-03	0.0	7.74e-06
1230	162	0.07	0.63	-0.01	-1.59e-03	0.0	3.64e-05
1230	177	0.47	-0.34	-0.01	8.47e-04	0.0	-5.45e-05
1230	188	0.29	0.51	-0.01	-1.29e-03	0.0	8.00e-06
1230	194	0.06	0.63	-0.01	-1.58e-03	0.0	3.69e-05
1230	209	0.55	-0.39	-0.01	9.90e-04	0.0	-6.35e-05
1230	220	0.34	0.60	-0.01	-1.50e-03	0.0	1.00e-05
1230	226	0.07	0.73	-0.01	-1.84e-03	0.0	4.44e-05
1231	1	0.0	0.0	0.0	-1.64e-04	0.0	0.0
1231	65	0.0	0.0	0.0	-1.11e-04	0.0	0.0
1231	97	0.0	0.0	0.0	-1.03e-05	0.0	0.0
1231	106	0.0	0.0	0.0	-1.03e-05	0.0	0.0

1231	108	0.0	0.0	0.0	2.05e-05	0.0	-4.06e-06
1231	140	0.0	0.0	0.0	2.52e-05	0.0	-4.52e-06
1231	172	0.0	0.0	0.0	2.65e-05	0.0	-4.48e-06
1231	204	0.0	0.0	0.0	3.60e-05	0.0	-5.18e-06
1232	4	2.45e-03	0.14	-0.04	-1.64e-04	0.0	-9.09e-06
1232	18	2.13e-03	0.22	-0.03	-2.61e-04	0.0	-1.02e-05
1232	68	1.70e-03	0.09	-0.03	-1.10e-04	0.0	-6.36e-06
1232	75	1.49e-03	0.14	-0.02	-1.75e-04	0.0	-7.12e-06
1232	98	1.38e-03	0.01	-0.02	-9.96e-06	0.0	-3.98e-06
1232	103	1.31e-03	0.04	-0.02	-4.26e-05	0.0	-4.43e-06
1232	107	1.31e-03	0.01	-0.02	-9.70e-06	0.0	-3.84e-06
1232	113	0.85	-0.61	-0.02	7.66e-04	0.0	-9.82e-05
1232	124	0.53	0.93	-0.02	-1.17e-03	0.0	1.04e-05
1232	130	0.12	1.13	-0.02	-1.42e-03	0.0	6.17e-05
1232	145	0.95	-0.68	-0.02	8.63e-04	0.0	-1.10e-04
1232	156	0.59	1.04	-0.02	-1.31e-03	0.0	1.23e-05
1232	162	0.13	1.27	-0.02	-1.60e-03	0.0	7.02e-05
1232	177	0.95	-0.68	-0.02	8.52e-04	0.0	-1.09e-04
1232	188	0.59	1.03	-0.02	-1.30e-03	0.0	1.28e-05
1232	194	0.13	1.26	-0.02	-1.58e-03	0.0	7.12e-05
1232	209	1.11	-0.79	-0.02	9.96e-04	0.0	-1.28e-04
1232	220	0.69	1.20	-0.02	-1.51e-03	0.0	1.63e-05
1232	226	0.14	1.47	-0.02	-1.85e-03	0.0	8.57e-05
1233	4	3.19e-03	0.20	-0.05	-1.56e-04	0.0	-1.29e-05
1233	18	2.76e-03	0.32	-0.05	-2.52e-04	0.0	-1.46e-05
1233	28	3.21e-03	-0.15	-0.05	1.33e-04	0.0	-7.15e-06
1233	68	2.22e-03	0.14	-0.04	-1.04e-04	0.0	-9.04e-06
1233	75	1.94e-03	0.21	-0.03	-1.69e-04	0.0	-1.01e-05
1233	80	2.24e-03	-0.10	-0.03	8.83e-05	0.0	-5.18e-06
1233	98	1.81e-03	0.01	-0.03	-6.52e-06	0.0	-5.64e-06
1233	103	1.72e-03	0.05	-0.03	-3.87e-05	0.0	-6.28e-06
1233	107	1.72e-03	0.01	-0.03	-6.37e-06	0.0	-5.43e-06
1233	113	1.28	-0.91	-0.03	7.73e-04	0.0	-1.44e-04
1233	128	0.73	1.39	-0.03	-1.17e-03	0.0	1.12e-05
1233	130	0.18	1.70	-0.03	-1.42e-03	0.0	8.73e-05
1233	145	1.44	-1.03	-0.03	8.71e-04	0.0	-1.61e-04
1233	156	0.89	1.57	-0.04	-1.32e-03	0.0	1.41e-05
1233	162	0.20	1.91	-0.03	-1.60e-03	0.0	9.93e-05
1233	177	1.43	-1.02	-0.03	8.60e-04	0.0	-1.60e-04
1233	192	0.82	1.54	-0.04	-1.29e-03	0.0	1.28e-05
1233	194	0.19	1.90	-0.03	-1.59e-03	0.0	1.01e-04
1233	209	1.67	-1.19	-0.03	1.00e-03	0.0	-1.87e-04
1233	224	0.96	1.79	-0.04	-1.50e-03	0.0	1.55e-05
1233	226	0.21	2.22	-0.04	-1.86e-03	0.0	1.21e-04
1234	4	1.74e-03	0.07	-4.95e-03	-1.61e-04	0.0	-6.58e-06
1234	18	1.52e-03	0.10	-4.57e-03	-2.58e-04	0.0	-7.42e-06
1234	68	1.21e-03	0.04	-3.55e-03	-1.08e-04	0.0	-4.61e-06
1234	75	1.06e-03	0.07	-3.30e-03	-1.73e-04	0.0	-5.17e-06
1234	98	9.61e-04	4.05e-03	-3.05e-03	-8.75e-06	0.0	-2.90e-06
1234	103	9.16e-04	0.02	-2.97e-03	-4.13e-05	0.0	-3.23e-06
1234	107	9.07e-04	3.95e-03	-2.94e-03	-8.53e-06	0.0	-2.80e-06
1234	113	0.42	-0.33	-2.47e-03	8.24e-04	0.0	-5.12e-05
1234	126	0.04	0.58	-3.91e-03	-1.44e-03	0.0	3.41e-05
1234	130	0.06	0.58	-3.91e-03	-1.45e-03	0.0	3.43e-05
1234	145	0.47	-0.37	-2.41e-03	9.28e-04	0.0	-5.73e-05
1234	158	0.04	0.65	-4.03e-03	-1.63e-03	0.0	3.88e-05
1234	162	0.07	0.65	-4.03e-03	-1.63e-03	0.0	3.90e-05
1234	177	0.47	-0.37	-2.43e-03	9.17e-04	0.0	-5.68e-05
1234	194	0.06	0.65	-4.02e-03	-1.62e-03	0.0	3.94e-05
1234	209	0.55	-0.43	-2.34e-03	1.07e-03	0.0	-6.61e-05
1234	226	0.07	0.76	-4.20e-03	-1.89e-03	0.0	4.74e-05
1235	1	0.0	0.0	0.0	-1.58e-04	0.0	0.0
1235	65	0.0	0.0	0.0	-1.06e-04	0.0	0.0
1235	97	0.0	0.0	0.0	-7.70e-06	0.0	0.0
1235	106	0.0	0.0	0.0	-7.70e-06	0.0	0.0
1235	108	0.0	0.0	0.0	7.37e-05	0.0	-4.23e-06
1235	140	0.0	0.0	0.0	8.47e-05	0.0	-4.70e-06
1235	172	0.0	0.0	0.0	8.54e-05	0.0	-4.66e-06
1235	204	0.0	0.0	0.0	1.04e-04	0.0	-5.37e-06
1236	4	2.60e-03	0.13	-9.10e-03	-1.57e-04	0.0	-1.25e-05
1236	18	2.26e-03	0.21	-8.37e-03	-2.54e-04	0.0	-1.42e-05
1236	68	1.81e-03	0.09	-6.51e-03	-1.05e-04	0.0	-8.78e-06
1236	75	1.58e-03	0.14	-6.03e-03	-1.70e-04	0.0	-9.86e-06
1236	98	1.46e-03	7.57e-03	-5.57e-03	-6.94e-06	0.0	-5.52e-06
1236	103	1.38e-03	0.03	-5.43e-03	-3.93e-05	0.0	-6.15e-06

1236	107	1.38e-03	7.38e-03	-5.37e-03	-6.78e-06	0.0	-5.33e-06
1236	113	0.85	-0.66	-4.60e-03	8.25e-04	0.0	-1.03e-04
1236	126	0.07	1.16	-6.92e-03	-1.44e-03	0.0	6.71e-05
1236	130	0.12	1.16	-6.92e-03	-1.45e-03	0.0	6.74e-05
1236	145	0.95	-0.74	-4.50e-03	9.30e-04	0.0	-1.15e-04
1236	158	0.08	1.30	-7.12e-03	-1.62e-03	0.0	7.63e-05
1236	162	0.13	1.30	-7.12e-03	-1.63e-03	0.0	7.68e-05
1236	177	0.95	-0.73	-4.53e-03	9.18e-04	0.0	-1.14e-04
1236	194	0.13	1.30	-7.09e-03	-1.62e-03	0.0	7.76e-05
1236	209	1.11	-0.86	-4.40e-03	1.07e-03	0.0	-1.33e-04
1236	226	0.14	1.51	-7.38e-03	-1.89e-03	0.0	9.35e-05
1237	4	3.30e-03	0.19	-0.01	-1.50e-04	0.0	-1.75e-05
1237	18	2.86e-03	0.31	-0.01	-2.46e-04	0.0	-1.98e-05
1237	28	3.31e-03	-0.16	-0.01	1.36e-04	0.0	-1.00e-05
1237	68	2.30e-03	0.13	-9.12e-03	-1.01e-04	0.0	-1.23e-05
1237	75	2.00e-03	0.21	-8.42e-03	-1.64e-04	0.0	-1.38e-05
1237	80	2.31e-03	-0.10	-8.67e-03	9.04e-05	0.0	-7.27e-06
1237	98	1.87e-03	0.01	-7.77e-03	-4.12e-06	0.0	-7.73e-06
1237	103	1.77e-03	0.05	-7.56e-03	-3.61e-05	0.0	-8.60e-06
1237	107	1.77e-03	9.84e-03	-7.49e-03	-4.05e-06	0.0	-7.46e-06
1237	113	1.28	-0.99	-6.51e-03	8.28e-04	0.0	-1.50e-04
1237	126	0.11	1.73	-9.42e-03	-1.44e-03	0.0	9.43e-05
1237	130	0.18	1.74	-9.42e-03	-1.45e-03	0.0	9.48e-05
1237	145	1.44	-1.11	-6.39e-03	9.32e-04	0.0	-1.68e-04
1237	158	0.12	1.95	-9.67e-03	-1.62e-03	0.0	1.07e-04
1237	162	0.20	1.96	-9.66e-03	-1.63e-03	0.0	1.08e-04
1237	177	1.43	-1.10	-6.43e-03	9.20e-04	0.0	-1.67e-04
1237	194	0.19	1.94	-9.64e-03	-1.62e-03	0.0	1.09e-04
1237	209	1.67	-1.29	-6.26e-03	1.07e-03	0.0	-1.95e-04
1237	226	0.21	2.27	-9.99e-03	-1.89e-03	0.0	1.32e-04
1238	4	1.68e-03	0.06	-2.17e-03	-1.52e-04	0.0	-7.26e-06
1238	18	1.47e-03	0.10	-2.10e-03	-2.49e-04	0.0	-8.20e-06
1238	68	1.16e-03	0.04	-1.62e-03	-1.02e-04	0.0	-5.09e-06
1238	75	1.02e-03	0.07	-1.57e-03	-1.66e-04	0.0	-5.71e-06
1238	98	9.24e-04	2.36e-03	-1.53e-03	-4.91e-06	0.0	-3.22e-06
1238	103	8.80e-04	0.02	-1.52e-03	-3.71e-05	0.0	-3.58e-06
1238	107	8.71e-04	2.31e-03	-1.51e-03	-4.82e-06	0.0	-3.11e-06
1238	111	-0.42	0.06	-1.71e-03	-1.37e-04	0.0	3.28e-05
1238	113	0.42	-0.36	-1.35e-03	8.88e-04	0.0	-5.19e-05
1238	130	0.06	0.60	-1.47e-03	-1.49e-03	0.0	3.46e-05
1238	143	-0.47	0.06	-1.74e-03	-1.54e-04	0.0	3.73e-05
1238	145	0.47	-0.40	-1.33e-03	1.00e-03	0.0	-5.80e-05
1238	162	0.07	0.67	-1.46e-03	-1.67e-03	0.0	3.95e-05
1238	175	-0.47	0.06	-1.73e-03	-1.54e-04	0.0	3.70e-05
1238	177	0.47	-0.40	-1.34e-03	9.88e-04	0.0	-5.75e-05
1238	194	0.06	0.67	-1.46e-03	-1.66e-03	0.0	3.99e-05
1238	207	-0.55	0.07	-1.77e-03	-1.83e-04	0.0	4.38e-05
1238	209	0.55	-0.46	-1.31e-03	1.15e-03	0.0	-6.69e-05
1238	226	0.07	0.78	-1.46e-03	-1.95e-03	0.0	4.80e-05
1239	1	0.0	0.0	0.0	-1.52e-04	0.0	0.0
1239	65	0.0	0.0	0.0	-1.02e-04	0.0	0.0
1239	97	0.0	0.0	0.0	-4.64e-06	0.0	0.0
1239	106	0.0	0.0	0.0	-4.64e-06	0.0	0.0
1239	108	0.0	0.0	0.0	1.28e-04	0.0	-4.30e-06
1239	140	0.0	0.0	0.0	1.45e-04	0.0	-4.77e-06
1239	172	0.0	0.0	0.0	1.45e-04	0.0	-4.73e-06
1239	204	0.0	0.0	0.0	1.73e-04	0.0	-5.44e-06
1240	4	2.58e-03	0.12	-3.86e-03	-1.49e-04	0.0	-1.37e-05
1240	18	2.24e-03	0.20	-3.72e-03	-2.45e-04	0.0	-1.54e-05
1240	68	1.79e-03	0.08	-2.88e-03	-9.99e-05	0.0	-9.58e-06
1240	75	1.57e-03	0.13	-2.79e-03	-1.64e-04	0.0	-1.07e-05
1240	98	1.44e-03	4.33e-03	-2.70e-03	-3.60e-06	0.0	-6.06e-06
1240	103	1.37e-03	0.03	-2.68e-03	-3.56e-05	0.0	-6.74e-06
1240	107	1.36e-03	4.25e-03	-2.67e-03	-3.55e-06	0.0	-5.86e-06
1240	113	0.85	-0.71	-2.42e-03	8.87e-04	0.0	-1.05e-04
1240	114	-0.84	0.72	-2.91e-03	-8.94e-04	0.0	9.29e-05
1240	130	0.12	1.19	-2.77e-03	-1.48e-03	0.0	6.90e-05
1240	145	0.95	-0.80	-2.39e-03	9.98e-04	0.0	-1.17e-04
1240	146	-0.95	0.81	-2.94e-03	-1.01e-03	0.0	1.05e-04
1240	162	0.13	1.34	-2.78e-03	-1.67e-03	0.0	7.86e-05
1240	177	0.95	-0.79	-2.41e-03	9.86e-04	0.0	-1.16e-04
1240	178	-0.94	0.80	-2.92e-03	-9.93e-04	0.0	1.04e-04
1240	194	0.13	1.33	-2.78e-03	-1.66e-03	0.0	7.94e-05
1240	209	1.11	-0.92	-2.37e-03	1.15e-03	0.0	-1.35e-04
1240	210	-1.10	0.93	-2.96e-03	-1.16e-03	0.0	1.23e-04

1240	226	0.14	1.56	-2.80e-03	-1.94e-03	0.0	9.56e-05
1241	4	3.28e-03	0.18	-5.25e-03	-1.45e-04	0.0	-1.89e-05
1241	18	2.83e-03	0.30	-5.05e-03	-2.40e-04	0.0	-2.12e-05
1241	28	3.29e-03	-0.16	-5.13e-03	1.39e-04	0.0	-1.09e-05
1241	68	2.28e-03	0.12	-3.91e-03	-9.67e-05	0.0	-1.32e-05
1241	75	1.98e-03	0.20	-3.78e-03	-1.60e-04	0.0	-1.48e-05
1241	80	2.28e-03	-0.11	-3.83e-03	9.27e-05	0.0	-7.93e-06
1241	98	1.85e-03	5.57e-03	-3.66e-03	-1.58e-06	0.0	-8.40e-06
1241	103	1.75e-03	0.04	-3.62e-03	-3.33e-05	0.0	-9.34e-06
1241	107	1.74e-03	5.47e-03	-3.61e-03	-1.60e-06	0.0	-8.12e-06
1241	113	1.28	-1.07	-3.33e-03	8.84e-04	0.0	-1.53e-04
1241	114	-1.27	1.08	-3.89e-03	-8.87e-04	0.0	1.37e-04
1241	130	0.18	1.78	-3.76e-03	-1.47e-03	0.0	9.79e-05
1241	145	1.44	-1.20	-3.30e-03	9.95e-04	0.0	-1.71e-04
1241	146	-1.44	1.21	-3.92e-03	-9.98e-04	0.0	1.55e-04
1241	162	0.20	2.01	-3.78e-03	-1.66e-03	0.0	1.12e-04
1241	177	1.43	-1.18	-3.34e-03	9.83e-04	0.0	-1.70e-04
1241	178	-1.42	1.20	-3.88e-03	-9.86e-04	0.0	1.54e-04
1241	194	0.19	1.99	-3.77e-03	-1.65e-03	0.0	1.13e-04
1241	209	1.67	-1.38	-3.30e-03	1.15e-03	0.0	-1.98e-04
1241	210	-1.67	1.39	-3.92e-03	-1.15e-03	0.0	1.82e-04
1241	226	0.21	2.33	-3.80e-03	-1.93e-03	0.0	1.36e-04
1242	4	1.60e-03	0.06	-1.69e-03	-1.44e-04	0.0	-7.30e-06
1242	16	8.57e-04	0.10	-1.64e-03	-2.39e-04	0.0	-7.10e-06
1242	68	1.11e-03	0.04	-1.29e-03	-9.60e-05	0.0	-5.12e-06
1242	73	6.11e-04	0.06	-1.26e-03	-1.60e-04	0.0	-4.99e-06
1242	98	8.75e-04	6.45e-04	-1.28e-03	-1.04e-06	0.0	-3.25e-06
1242	102	5.24e-04	0.01	-1.26e-03	-3.30e-05	0.0	-2.97e-06
1242	106	5.16e-04	7.07e-04	-1.26e-03	-1.32e-06	0.0	-2.50e-06
1242	107	8.24e-04	6.54e-04	-1.27e-03	-1.08e-06	0.0	-3.15e-06
1242	108	0.42	-0.07	-3.19e-03	1.81e-04	0.0	-3.91e-05
1242	113	0.42	-0.38	-2.78e-03	9.53e-04	0.0	-5.18e-05
1242	130	0.06	0.61	-1.55e-03	-1.52e-03	0.0	3.44e-05
1242	140	0.47	-0.08	-3.44e-03	2.04e-04	0.0	-4.36e-05
1242	145	0.47	-0.43	-2.98e-03	1.07e-03	0.0	-5.80e-05
1242	162	0.07	0.69	-1.58e-03	-1.72e-03	0.0	3.93e-05
1242	172	0.47	-0.08	-3.41e-03	2.04e-04	0.0	-4.33e-05
1242	177	0.47	-0.43	-2.96e-03	1.06e-03	0.0	-5.75e-05
1242	194	0.06	0.69	-1.57e-03	-1.71e-03	0.0	3.96e-05
1242	204	0.55	-0.10	-3.78e-03	2.42e-04	0.0	-5.01e-05
1242	209	0.55	-0.50	-3.25e-03	1.24e-03	0.0	-6.69e-05
1242	226	0.07	0.80	-1.61e-03	-2.00e-03	0.0	4.77e-05
1243	1	0.0	0.0	0.0	-1.45e-04	0.0	-1.01e-06
1243	65	0.0	0.0	0.0	-9.67e-05	0.0	0.0
1243	97	0.0	0.0	0.0	-1.53e-06	0.0	0.0
1243	106	0.0	0.0	0.0	-1.53e-06	0.0	0.0
1243	108	0.0	0.0	0.0	1.81e-04	0.0	-4.32e-06
1243	140	0.0	0.0	0.0	2.05e-04	0.0	-4.79e-06
1243	172	0.0	0.0	0.0	2.04e-04	0.0	-4.75e-06
1243	204	0.0	0.0	0.0	2.42e-04	0.0	-5.46e-06
1244	4	2.54e-03	0.12	-2.94e-03	-1.42e-04	0.0	-1.37e-05
1244	16	1.36e-03	0.19	-2.85e-03	-2.38e-04	0.0	-1.33e-05
1244	68	1.76e-03	0.08	-2.24e-03	-9.48e-05	0.0	-9.58e-06
1244	73	9.75e-04	0.13	-2.19e-03	-1.58e-04	0.0	-9.32e-06
1244	98	1.41e-03	1.06e-03	-2.22e-03	0.0	0.0	-6.10e-06
1244	102	8.57e-04	0.03	-2.18e-03	-3.23e-05	0.0	-5.57e-06
1244	106	8.49e-04	1.24e-03	-2.18e-03	0.0	0.0	-4.69e-06
1244	107	1.33e-03	1.09e-03	-2.21e-03	0.0	0.0	-5.90e-06
1244	108	0.85	-0.14	-5.11e-03	1.80e-04	0.0	-7.96e-05
1244	113	0.85	-0.76	-4.49e-03	9.48e-04	0.0	-1.05e-04
1244	130	0.12	1.22	-2.62e-03	-1.51e-03	0.0	6.91e-05
1244	140	0.95	-0.16	-5.47e-03	2.03e-04	0.0	-8.89e-05
1244	145	0.95	-0.86	-4.78e-03	1.07e-03	0.0	-1.17e-04
1244	162	0.13	1.38	-2.67e-03	-1.70e-03	0.0	7.88e-05
1244	172	0.94	-0.16	-5.44e-03	2.03e-04	0.0	-8.82e-05
1244	177	0.94	-0.85	-4.75e-03	1.05e-03	0.0	-1.16e-04
1244	194	0.13	1.37	-2.65e-03	-1.70e-03	0.0	7.95e-05
1244	204	1.10	-0.19	-5.99e-03	2.41e-04	0.0	-1.02e-04
1244	209	1.11	-0.99	-5.19e-03	1.23e-03	0.0	-1.35e-04
1244	226	0.14	1.60	-2.70e-03	-1.99e-03	0.0	9.58e-05
1245	4	3.23e-03	0.17	-3.92e-03	-1.39e-04	0.0	-1.88e-05
1245	16	1.72e-03	0.29	-3.80e-03	-2.35e-04	0.0	-1.82e-05
1245	28	3.24e-03	-0.17	-3.91e-03	1.42e-04	0.0	-1.09e-05
1245	68	2.24e-03	0.11	-3.00e-03	-9.29e-05	0.0	-1.32e-05
1245	73	1.23e-03	0.19	-2.92e-03	-1.57e-04	0.0	-1.28e-05

1245	80	2.25e-03	-0.11	-2.99e-03	9.49e-05	0.0	-7.94e-06
1245	98	1.81e-03	1.06e-03	-2.96e-03	0.0	0.0	-8.42e-06
1245	102	1.10e-03	0.04	-2.90e-03	-3.12e-05	0.0	-7.66e-06
1245	106	1.10e-03	1.43e-03	-2.90e-03	0.0	0.0	-6.47e-06
1245	107	1.71e-03	1.11e-03	-2.95e-03	0.0	0.0	-8.14e-06
1245	108	1.28	-0.22	-6.29e-03	1.79e-04	0.0	-1.18e-04
1245	113	1.28	-1.14	-5.58e-03	9.41e-04	0.0	-1.54e-04
1245	130	0.18	1.83	-3.42e-03	-1.50e-03	0.0	9.90e-05
1245	140	1.44	-0.25	-6.71e-03	2.02e-04	0.0	-1.32e-04
1245	145	1.44	-1.29	-5.91e-03	1.06e-03	0.0	-1.72e-04
1245	162	0.20	2.06	-3.48e-03	-1.69e-03	0.0	1.13e-04
1245	172	1.42	-0.24	-6.67e-03	2.02e-04	0.0	-1.31e-04
1245	177	1.43	-1.27	-5.88e-03	1.05e-03	0.0	-1.71e-04
1245	194	0.19	2.05	-3.45e-03	-1.68e-03	0.0	1.14e-04
1245	204	1.67	-0.29	-7.30e-03	2.39e-04	0.0	-1.52e-04
1245	209	1.67	-1.48	-6.38e-03	1.22e-03	0.0	-1.99e-04
1245	226	0.21	2.40	-3.51e-03	-1.97e-03	0.0	1.37e-04
1246	4	1.54e-03	0.05	-1.76e-03	-1.35e-04	0.0	-7.18e-06
1246	41	6.39e-04	-0.09	-1.79e-03	2.35e-04	0.0	-1.83e-06
1246	44	1.25e-03	-0.09	-1.77e-03	2.37e-04	0.0	-3.13e-06
1246	68	1.06e-03	0.04	-1.36e-03	-9.01e-05	0.0	-5.04e-06
1246	85	4.62e-04	-0.06	-1.38e-03	1.57e-04	0.0	-1.47e-06
1246	88	8.68e-04	-0.06	-1.37e-03	1.58e-04	0.0	-2.34e-06
1246	98	8.36e-04	-1.03e-03	-1.37e-03	2.68e-06	0.0	-3.21e-06
1246	104	4.79e-04	-0.01	-1.38e-03	3.26e-05	0.0	-2.28e-06
1246	105	7.81e-04	-0.01	-1.37e-03	3.36e-05	0.0	-2.91e-06
1246	106	4.83e-04	-5.83e-04	-1.38e-03	1.54e-06	0.0	-2.48e-06
1246	107	7.85e-04	-9.64e-04	-1.37e-03	2.51e-06	0.0	-3.11e-06
1246	111	-0.42	0.09	-4.03e-03	-2.30e-04	0.0	3.29e-05
1246	113	0.42	-0.41	7.27e-04	1.02e-03	0.0	-5.17e-05
1246	129	-0.06	-0.63	-1.75e-03	1.57e-03	0.0	-4.04e-05
1246	143	-0.47	0.10	-4.36e-03	-2.60e-04	0.0	3.75e-05
1246	145	0.47	-0.46	9.92e-04	1.15e-03	0.0	-5.79e-05
1246	161	-0.06	-0.71	-1.80e-03	1.76e-03	0.0	-4.52e-05
1246	175	-0.46	0.10	-4.33e-03	-2.59e-04	0.0	3.71e-05
1246	177	0.47	-0.45	9.71e-04	1.13e-03	0.0	-5.74e-05
1246	193	-0.06	-0.71	-1.78e-03	1.76e-03	0.0	-4.56e-05
1246	207	-0.54	0.12	-4.84e-03	-3.06e-04	0.0	4.40e-05
1246	209	0.55	-0.53	1.37e-03	1.32e-03	0.0	-6.68e-05
1246	225	-0.07	-0.83	-1.83e-03	2.06e-03	0.0	-5.37e-05
1247	1	0.0	0.0	0.0	-1.38e-04	0.0	0.0
1247	65	0.0	0.0	0.0	-9.20e-05	0.0	0.0
1247	97	0.0	0.0	0.0	1.49e-06	0.0	0.0
1247	106	0.0	0.0	0.0	1.49e-06	0.0	0.0
1247	108	0.0	0.0	0.0	2.36e-04	0.0	-4.26e-06
1247	140	0.0	0.0	0.0	2.66e-04	0.0	-4.72e-06
1247	172	0.0	0.0	0.0	2.64e-04	0.0	-4.69e-06
1247	204	0.0	0.0	0.0	3.12e-04	0.0	-5.39e-06
1248	4	2.51e-03	0.11	-3.07e-03	-1.35e-04	0.0	-1.34e-05
1248	41	1.14e-03	-0.19	-3.14e-03	2.35e-04	0.0	-3.38e-06
1248	44	2.11e-03	-0.19	-3.10e-03	2.37e-04	0.0	-5.80e-06
1248	68	1.74e-03	0.07	-2.37e-03	-8.98e-05	0.0	-9.41e-06
1248	85	8.21e-04	-0.13	-2.42e-03	1.57e-04	0.0	-2.73e-06
1248	88	1.47e-03	-0.13	-2.39e-03	1.58e-04	0.0	-4.34e-06
1248	98	1.39e-03	-2.12e-03	-2.39e-03	2.89e-06	0.0	-6.02e-06
1248	104	8.23e-04	-0.03	-2.41e-03	3.28e-05	0.0	-4.25e-06
1248	105	1.30e-03	-0.03	-2.39e-03	3.38e-05	0.0	-5.44e-06
1248	106	8.24e-04	-1.22e-03	-2.41e-03	1.71e-06	0.0	-4.63e-06
1248	107	1.30e-03	-1.99e-03	-2.39e-03	2.72e-06	0.0	-5.82e-06
1248	111	-0.84	0.18	-3.76e-03	-2.28e-04	0.0	6.79e-05
1248	113	0.85	-0.82	-1.31e-03	1.01e-03	0.0	-1.05e-04
1248	129	-0.11	-1.26	-2.62e-03	1.55e-03	0.0	-8.05e-05
1248	143	-0.95	0.21	-3.94e-03	-2.58e-04	0.0	7.72e-05
1248	145	0.95	-0.92	-1.17e-03	1.14e-03	0.0	-1.17e-04
1248	161	-0.13	-1.42	-2.64e-03	1.75e-03	0.0	-9.01e-05
1248	175	-0.94	0.21	-3.92e-03	-2.57e-04	0.0	7.65e-05
1248	177	0.94	-0.91	-1.19e-03	1.12e-03	0.0	-1.16e-04
1248	193	-0.12	-1.41	-2.63e-03	1.74e-03	0.0	-9.09e-05
1248	207	-1.10	0.24	-4.18e-03	-3.04e-04	0.0	9.05e-05
1248	209	1.10	-1.06	-9.84e-04	1.31e-03	0.0	-1.35e-04
1248	225	-0.14	-1.65	-2.66e-03	2.04e-03	0.0	-1.07e-04
1249	28	3.20e-03	-0.17	-4.13e-03	1.45e-04	0.0	-1.07e-05
1249	41	1.52e-03	-0.28	-4.23e-03	2.36e-04	0.0	-4.52e-06
1249	44	2.76e-03	-0.28	-4.16e-03	2.38e-04	0.0	-7.87e-06
1249	80	2.22e-03	-0.12	-3.19e-03	9.71e-05	0.0	-7.80e-06

1249	85	1.10e-03	-0.19	-3.25e-03	1.57e-04	0.0	-3.66e-06
1249	88	1.93e-03	-0.19	-3.21e-03	1.59e-04	0.0	-5.90e-06
1249	98	1.78e-03	-3.33e-03	-3.20e-03	3.21e-06	0.0	-8.28e-06
1249	104	1.07e-03	-0.04	-3.24e-03	3.30e-05	0.0	-5.83e-06
1249	105	1.69e-03	-0.04	-3.21e-03	3.41e-05	0.0	-7.47e-06
1249	106	1.07e-03	-1.94e-03	-3.24e-03	1.97e-06	0.0	-6.37e-06
1249	107	1.68e-03	-3.13e-03	-3.21e-03	3.03e-06	0.0	-8.01e-06
1249	113	1.28	-1.22	-5.79e-03	9.99e-04	0.0	-1.54e-04
1249	129	-0.17	-1.88	-4.63e-03	1.53e-03	0.0	-1.15e-04
1249	145	1.44	-1.37	-6.12e-03	1.12e-03	0.0	-1.72e-04
1249	161	-0.19	-2.11	-4.81e-03	1.73e-03	0.0	-1.29e-04
1249	177	1.43	-1.36	-6.09e-03	1.11e-03	0.0	-1.71e-04
1249	193	-0.19	-2.10	-4.80e-03	1.72e-03	0.0	-1.30e-04
1249	209	1.67	-1.58	-6.58e-03	1.30e-03	0.0	-1.99e-04
1249	225	-0.21	-2.47	-5.09e-03	2.02e-03	0.0	-1.54e-04
1250	4	1.51e-03	0.05	-2.42e-03	-1.28e-04	0.0	-7.12e-06
1250	41	6.18e-04	-0.10	-2.52e-03	2.37e-04	0.0	-1.82e-06
1250	44	1.22e-03	-0.10	-2.47e-03	2.40e-04	0.0	-3.10e-06
1250	68	1.04e-03	0.03	-1.87e-03	-8.50e-05	0.0	-5.00e-06
1250	85	4.46e-04	-0.06	-1.94e-03	1.58e-04	0.0	-1.46e-06
1250	88	8.49e-04	-0.06	-1.91e-03	1.61e-04	0.0	-2.32e-06
1250	98	8.17e-04	-2.67e-03	-1.89e-03	5.98e-06	0.0	-3.19e-06
1250	104	4.63e-04	-0.01	-1.92e-03	3.50e-05	0.0	-2.26e-06
1250	105	7.63e-04	-0.01	-1.90e-03	3.66e-05	0.0	-2.89e-06
1250	106	4.67e-04	-1.85e-03	-1.92e-03	4.09e-06	0.0	-2.46e-06
1250	107	7.67e-04	-2.56e-03	-1.90e-03	5.71e-06	0.0	-3.09e-06
1250	113	0.42	-0.44	-0.07	1.08e-03	0.0	-5.17e-05
1250	129	-0.06	-0.65	6.92e-03	1.61e-03	0.0	-4.03e-05
1250	145	0.47	-0.49	-0.08	1.21e-03	0.0	-5.79e-05
1250	161	-0.06	-0.73	7.98e-03	1.81e-03	0.0	-4.51e-05
1250	177	0.47	-0.48	-0.07	1.20e-03	0.0	-5.74e-05
1250	193	-0.06	-0.73	7.52e-03	1.80e-03	0.0	-4.55e-05
1250	209	0.55	-0.56	-0.09	1.40e-03	0.0	-6.68e-05
1250	225	-0.07	-0.85	8.62e-03	2.12e-03	0.0	-5.35e-05
1251	1	0.0	0.0	0.0	-1.32e-04	0.0	0.0
1251	65	0.0	0.0	0.0	-8.78e-05	0.0	0.0
1251	97	0.0	0.0	0.0	4.20e-06	0.0	0.0
1251	106	0.0	0.0	0.0	4.20e-06	0.0	0.0
1251	108	0.0	0.0	0.0	2.85e-04	0.0	-4.16e-06
1251	140	0.0	0.0	0.0	3.21e-04	0.0	-4.62e-06
1251	172	0.0	0.0	0.0	3.19e-04	0.0	-4.58e-06
1251	204	0.0	0.0	0.0	3.76e-04	0.0	-5.27e-06
1252	4	2.48e-03	0.10	-4.33e-03	-1.29e-04	0.0	-1.33e-05
1252	41	1.11e-03	-0.19	-4.61e-03	2.37e-04	0.0	-3.35e-06
1252	44	2.09e-03	-0.19	-4.47e-03	2.40e-04	0.0	-5.76e-06
1252	68	1.72e-03	0.07	-3.36e-03	-8.55e-05	0.0	-9.34e-06
1252	85	8.05e-04	-0.13	-3.55e-03	1.58e-04	0.0	-2.71e-06
1252	88	1.45e-03	-0.13	-3.45e-03	1.60e-04	0.0	-4.31e-06
1252	98	1.37e-03	-5.24e-03	-3.43e-03	5.70e-06	0.0	-5.98e-06
1252	104	8.07e-04	-0.03	-3.52e-03	3.47e-05	0.0	-4.22e-06
1252	105	1.29e-03	-0.03	-3.45e-03	3.63e-05	0.0	-5.40e-06
1252	106	8.08e-04	-3.62e-03	-3.51e-03	3.87e-06	0.0	-4.60e-06
1252	107	1.29e-03	-5.01e-03	-3.44e-03	5.44e-06	0.0	-5.78e-06
1252	113	0.85	-0.87	-0.11	1.07e-03	0.0	-1.04e-04
1252	129	-0.11	-1.29	-0.07	1.59e-03	0.0	-8.03e-05
1252	145	0.95	-0.98	-0.13	1.20e-03	0.0	-1.17e-04
1252	161	-0.13	-1.46	-0.07	1.79e-03	0.0	-8.98e-05
1252	177	0.94	-0.97	-0.13	1.19e-03	0.0	-1.16e-04
1252	193	-0.12	-1.45	-0.07	1.79e-03	0.0	-9.06e-05
1252	209	1.10	-1.13	-0.15	1.39e-03	0.0	-1.35e-04
1252	225	-0.14	-1.70	-0.09	2.09e-03	0.0	-1.07e-04
1253	28	3.14e-03	-0.18	-6.13e-03	1.48e-04	0.0	-1.07e-05
1253	41	1.48e-03	-0.28	-6.56e-03	2.36e-04	0.0	-4.48e-06
1253	44	2.70e-03	-0.29	-6.28e-03	2.39e-04	0.0	-7.82e-06
1253	80	2.17e-03	-0.12	-4.77e-03	9.89e-05	0.0	-7.75e-06
1253	85	1.06e-03	-0.19	-5.06e-03	1.58e-04	0.0	-3.63e-06
1253	88	1.88e-03	-0.19	-4.86e-03	1.60e-04	0.0	-5.86e-06
1253	98	1.74e-03	-7.63e-03	-4.83e-03	5.28e-06	0.0	-8.23e-06
1253	104	1.04e-03	-0.04	-5.01e-03	3.44e-05	0.0	-5.79e-06
1253	105	1.64e-03	-0.04	-4.87e-03	3.59e-05	0.0	-7.42e-06
1253	106	1.03e-03	-5.25e-03	-5.00e-03	3.53e-06	0.0	-6.33e-06
1253	107	1.64e-03	-7.29e-03	-4.85e-03	5.03e-06	0.0	-7.96e-06
1253	113	1.28	-1.30	-0.14	1.05e-03	0.0	-1.53e-04
1253	129	-0.17	-1.93	-0.08	1.57e-03	0.0	-1.15e-04
1253	145	1.44	-1.46	-0.16	1.19e-03	0.0	-1.72e-04

1253	161	-0.19	-2.17	-0.09	1.76e-03	0.0	-1.29e-04
1253	177	1.43	-1.44	-0.16	1.17e-03	0.0	-1.71e-04
1253	193	-0.19	-2.16	-0.09	1.76e-03	0.0	-1.30e-04
1253	209	1.67	-1.68	-0.18	1.37e-03	0.0	-1.99e-04
1253	225	-0.21	-2.54	-0.11	2.06e-03	0.0	-1.54e-04
1254	4	3.95e-03	0.27	-0.06	-1.44e-04	0.0	-1.61e-05
1254	18	3.40e-03	0.43	-0.06	-2.39e-04	0.0	-1.80e-05
1254	28	4.02e-03	-0.21	-0.06	1.40e-04	0.0	-8.82e-06
1254	68	2.75e-03	0.18	-0.05	-9.62e-05	0.0	-1.12e-05
1254	75	2.39e-03	0.29	-0.04	-1.59e-04	0.0	-1.25e-05
1254	80	2.80e-03	-0.14	-0.04	9.32e-05	0.0	-6.41e-06
1254	98	2.26e-03	0.02	-0.04	-1.54e-06	0.0	-7.09e-06
1254	103	2.14e-03	0.07	-0.04	-3.31e-05	0.0	-7.86e-06
1254	107	2.14e-03	0.02	-0.03	-1.55e-06	0.0	-6.83e-06
1254	113	1.77	-1.26	-0.03	7.81e-04	0.0	-1.93e-04
1254	130	0.24	2.34	-0.05	-1.43e-03	0.0	1.14e-04
1254	145	1.99	-1.43	-0.03	8.79e-04	0.0	-2.17e-04
1254	162	0.27	2.63	-0.05	-1.61e-03	0.0	1.30e-04
1254	177	1.97	-1.41	-0.03	8.68e-04	0.0	-2.16e-04
1254	194	0.26	2.61	-0.05	-1.60e-03	0.0	1.32e-04
1254	209	2.31	-1.64	-0.03	1.01e-03	0.0	-2.52e-04
1254	226	0.29	3.05	-0.05	-1.87e-03	0.0	1.59e-04
1255	4	4.81e-03	0.33	-0.08	-1.31e-04	0.0	-1.75e-05
1255	18	4.14e-03	0.53	-0.07	-2.24e-04	0.0	-1.94e-05
1255	28	4.93e-03	-0.28	-0.07	1.48e-04	0.0	-9.71e-06
1255	68	3.36e-03	0.22	-0.05	-8.74e-05	0.0	-1.23e-05
1255	75	2.91e-03	0.36	-0.05	-1.49e-04	0.0	-1.35e-05
1255	80	3.43e-03	-0.18	-0.05	9.87e-05	0.0	-7.07e-06
1255	98	2.76e-03	0.02	-0.04	3.99e-06	0.0	-7.91e-06
1255	103	2.61e-03	0.08	-0.04	-2.69e-05	0.0	-8.69e-06
1255	107	2.61e-03	0.02	-0.04	3.81e-06	0.0	-7.63e-06
1255	113	2.23	-1.62	-0.04	7.87e-04	0.0	-1.96e-04
1255	130	0.31	2.98	-0.06	-1.43e-03	0.0	1.39e-04
1255	145	2.51	-1.82	-0.04	8.86e-04	0.0	-2.19e-04
1255	162	0.34	3.36	-0.06	-1.61e-03	0.0	1.58e-04
1255	177	2.49	-1.80	-0.04	8.75e-04	0.0	-2.18e-04
1255	194	0.33	3.33	-0.06	-1.60e-03	0.0	1.60e-04
1255	209	2.92	-2.10	-0.04	1.02e-03	0.0	-2.54e-04
1255	226	0.37	3.90	-0.06	-1.87e-03	0.0	1.93e-04
1256	4	3.91e-03	0.26	-0.02	-1.41e-04	0.0	-2.12e-05
1256	18	3.36e-03	0.42	-0.01	-2.36e-04	0.0	-2.38e-05
1256	28	3.98e-03	-0.22	-0.02	1.42e-04	0.0	-1.21e-05
1256	68	2.72e-03	0.17	-0.01	-9.42e-05	0.0	-1.49e-05
1256	75	2.36e-03	0.28	-0.01	-1.57e-04	0.0	-1.66e-05
1256	80	2.77e-03	-0.14	-0.01	9.44e-05	0.0	-8.76e-06
1256	98	2.22e-03	0.01	-9.85e-03	0.0	0.0	-9.46e-06
1256	103	2.10e-03	0.06	-9.58e-03	-3.16e-05	0.0	-1.05e-05
1256	107	2.10e-03	0.01	-9.49e-03	0.0	0.0	-9.13e-06
1256	113	1.77	-1.36	-8.34e-03	8.30e-04	0.0	-2.01e-04
1256	126	0.15	2.38	-0.01	-1.44e-03	0.0	1.20e-04
1256	130	0.24	2.39	-0.01	-1.44e-03	0.0	1.21e-04
1256	145	1.99	-1.53	-8.20e-03	9.34e-04	0.0	-2.25e-04
1256	158	0.17	2.68	-0.01	-1.62e-03	0.0	1.37e-04
1256	162	0.27	2.69	-0.01	-1.62e-03	0.0	1.38e-04
1256	177	1.97	-1.52	-8.25e-03	9.23e-04	0.0	-2.23e-04
1256	194	0.26	2.67	-0.01	-1.61e-03	0.0	1.40e-04
1256	209	2.31	-1.77	-8.05e-03	1.08e-03	0.0	-2.60e-04
1256	226	0.29	3.12	-0.01	-1.89e-03	0.0	1.69e-04
1257	4	4.32e-03	0.32	-0.02	-1.32e-04	0.0	-2.24e-05
1257	18	3.69e-03	0.52	-0.02	-2.25e-04	0.0	-2.50e-05
1257	28	4.45e-03	-0.28	-0.02	1.47e-04	0.0	-1.27e-05
1257	68	3.00e-03	0.21	-0.01	-8.75e-05	0.0	-1.57e-05
1257	75	2.58e-03	0.35	-0.01	-1.49e-04	0.0	-1.74e-05
1257	80	3.09e-03	-0.19	-0.01	9.86e-05	0.0	-9.24e-06
1257	98	2.45e-03	0.01	-0.01	4.11e-06	0.0	-1.01e-05
1257	103	2.31e-03	0.08	-0.01	-2.68e-05	0.0	-1.12e-05
1257	107	2.32e-03	0.01	-0.01	3.93e-06	0.0	-9.79e-06
1257	113	2.24	-1.74	-9.76e-03	8.32e-04	0.0	-2.47e-04
1257	126	0.19	3.03	-0.01	-1.43e-03	0.0	1.42e-04
1257	130	0.31	3.04	-0.01	-1.44e-03	0.0	1.44e-04
1257	145	2.52	-1.96	-9.61e-03	9.36e-04	0.0	-2.77e-04
1257	158	0.21	3.41	-0.01	-1.61e-03	0.0	1.62e-04
1257	162	0.34	3.42	-0.01	-1.62e-03	0.0	1.64e-04
1257	177	2.50	-1.93	-9.66e-03	9.24e-04	0.0	-2.76e-04
1257	190	0.21	3.38	-0.01	-1.60e-03	0.0	1.62e-04

1257	194	0.33	3.40	-0.01	-1.61e-03	0.0	1.66e-04
1257	209	2.92	-2.25	-9.45e-03	1.08e-03	0.0	-3.22e-04
1257	226	0.37	3.97	-0.01	-1.88e-03	0.0	2.01e-04
1258	4	3.77e-03	0.25	-6.54e-03	-1.38e-04	0.0	-2.26e-05
1258	18	3.23e-03	0.40	-6.28e-03	-2.33e-04	0.0	-2.53e-05
1258	28	3.84e-03	-0.23	-6.38e-03	1.43e-04	0.0	-1.30e-05
1258	68	2.62e-03	0.16	-4.86e-03	-9.22e-05	0.0	-1.58e-05
1258	75	2.26e-03	0.27	-4.69e-03	-1.55e-04	0.0	-1.77e-05
1258	80	2.67e-03	-0.15	-4.75e-03	9.55e-05	0.0	-9.44e-06
1258	98	2.13e-03	5.77e-03	-4.53e-03	1.22e-06	0.0	-1.01e-05
1258	103	2.01e-03	0.06	-4.48e-03	-3.01e-05	0.0	-1.12e-05
1258	107	2.01e-03	5.69e-03	-4.46e-03	1.13e-06	0.0	-9.79e-06
1258	108	1.76	-0.21	-4.83e-03	1.28e-04	0.0	-1.60e-04
1258	113	1.77	-1.46	-4.71e-03	8.80e-04	0.0	-2.04e-04
1258	130	0.24	2.44	-4.63e-03	-1.46e-03	0.0	1.25e-04
1258	140	1.99	-0.24	-4.88e-03	1.44e-04	0.0	-1.79e-04
1258	145	1.99	-1.65	-4.74e-03	9.90e-04	0.0	-2.28e-04
1258	162	0.27	2.75	-4.65e-03	-1.64e-03	0.0	1.42e-04
1258	172	1.97	-0.24	-4.83e-03	1.45e-04	0.0	-1.77e-04
1258	177	1.97	-1.63	-4.70e-03	9.79e-04	0.0	-2.27e-04
1258	194	0.26	2.73	-4.65e-03	-1.63e-03	0.0	1.44e-04
1258	204	2.30	-0.28	-4.88e-03	1.72e-04	0.0	-2.06e-04
1258	209	2.31	-1.90	-4.73e-03	1.14e-03	0.0	-2.64e-04
1258	226	0.29	3.20	-4.68e-03	-1.91e-03	0.0	1.74e-04
1259	4	3.63e-03	0.31	-7.51e-03	-1.32e-04	0.0	-2.36e-05
1259	18	3.07e-03	0.51	-7.20e-03	-2.25e-04	0.0	-2.63e-05
1259	28	3.79e-03	-0.29	-7.32e-03	1.47e-04	0.0	-1.34e-05
1259	68	2.51e-03	0.21	-5.57e-03	-8.76e-05	0.0	-1.66e-05
1259	75	2.14e-03	0.34	-5.37e-03	-1.50e-04	0.0	-1.84e-05
1259	80	2.62e-03	-0.19	-5.45e-03	9.85e-05	0.0	-9.78e-06
1259	98	2.04e-03	4.52e-03	-5.19e-03	4.18e-06	0.0	-1.07e-05
1259	103	1.91e-03	0.07	-5.13e-03	-2.68e-05	0.0	-1.18e-05
1259	107	1.92e-03	4.51e-03	-5.11e-03	3.99e-06	0.0	-1.03e-05
1259	108	2.24	-0.27	-5.79e-03	1.28e-04	0.0	-1.99e-04
1259	113	2.24	-1.86	-5.60e-03	8.75e-04	0.0	-2.50e-04
1259	130	0.31	3.10	-5.38e-03	-1.44e-03	0.0	1.47e-04
1259	140	2.52	-0.30	-5.87e-03	1.45e-04	0.0	-2.23e-04
1259	145	2.53	-2.09	-5.66e-03	9.85e-04	0.0	-2.80e-04
1259	162	0.35	3.48	-5.42e-03	-1.63e-03	0.0	1.67e-04
1259	172	2.50	-0.30	-5.83e-03	1.45e-04	0.0	-2.21e-04
1259	177	2.50	-2.07	-5.63e-03	9.73e-04	0.0	-2.79e-04
1259	194	0.33	3.47	-5.41e-03	-1.62e-03	0.0	1.70e-04
1259	204	2.93	-0.36	-5.94e-03	1.73e-04	0.0	-2.57e-04
1259	209	2.93	-2.41	-5.71e-03	1.14e-03	0.0	-3.25e-04
1259	226	0.37	4.06	-5.46e-03	-1.89e-03	0.0	2.05e-04
1260	4	3.64e-03	0.23	-4.80e-03	-1.36e-04	0.0	-2.24e-05
1260	15	1.68e-03	0.39	-4.63e-03	-2.32e-04	0.0	-2.09e-05
1260	28	3.71e-03	-0.23	-4.78e-03	1.45e-04	0.0	-1.29e-05
1260	68	2.52e-03	0.16	-3.67e-03	-9.04e-05	0.0	-1.57e-05
1260	72	1.22e-03	0.26	-3.55e-03	-1.54e-04	0.0	-1.47e-05
1260	80	2.57e-03	-0.15	-3.65e-03	9.65e-05	0.0	-9.40e-06
1260	98	2.04e-03	3.64e-04	-3.62e-03	2.47e-06	0.0	-1.01e-05
1260	102	1.22e-03	0.05	-3.54e-03	-2.97e-05	0.0	-9.12e-06
1260	106	1.22e-03	1.10e-03	-3.54e-03	1.47e-06	0.0	-7.72e-06
1260	107	1.92e-03	4.69e-04	-3.61e-03	2.33e-06	0.0	-9.74e-06
1260	108	1.76	-0.30	-6.94e-03	1.78e-04	0.0	-1.60e-04
1260	113	1.77	-1.56	-6.24e-03	9.30e-04	0.0	-2.05e-04
1260	130	0.24	2.50	-4.07e-03	-1.48e-03	0.0	1.28e-04
1260	140	1.99	-0.34	-7.37e-03	2.01e-04	0.0	-1.79e-04
1260	145	1.99	-1.76	-6.57e-03	1.05e-03	0.0	-2.30e-04
1260	162	0.27	2.81	-4.13e-03	-1.66e-03	0.0	1.45e-04
1260	172	1.97	-0.34	-7.32e-03	2.01e-04	0.0	-1.78e-04
1260	177	1.97	-1.74	-6.53e-03	1.03e-03	0.0	-2.28e-04
1260	194	0.26	2.80	-4.10e-03	-1.65e-03	0.0	1.47e-04
1260	204	2.30	-0.40	-7.95e-03	2.38e-04	0.0	-2.06e-04
1260	209	2.31	-2.03	-7.03e-03	1.21e-03	0.0	-2.66e-04
1260	226	0.29	3.28	-4.16e-03	-1.94e-03	0.0	1.78e-04
1261	4	2.71e-03	0.29	-5.47e-03	-1.32e-04	0.0	-2.33e-05
1261	19	6.35e-04	0.50	-4.04e-03	-2.29e-04	0.0	-1.83e-05
1261	28	2.91e-03	-0.30	-5.45e-03	1.47e-04	0.0	-1.33e-05
1261	68	1.86e-03	0.20	-4.18e-03	-8.78e-05	0.0	-1.64e-05
1261	72	7.49e-04	0.33	-4.05e-03	-1.52e-04	0.0	-1.52e-05
1261	80	1.99e-03	-0.20	-4.16e-03	9.82e-05	0.0	-9.68e-06
1261	98	1.49e-03	-1.14e-03	-4.12e-03	4.15e-06	0.0	-1.06e-05
1261	105	1.42e-03	-0.07	-4.11e-03	3.51e-05	0.0	-9.41e-06

1261	107	1.39e-03	-9.62e-04	-4.11e-03	3.96e-06	0.0	-1.02e-05
1261	108	2.25	-0.38	-6.74e-03	1.78e-04	0.0	-2.00e-04
1261	113	2.26	-1.98	-6.18e-03	9.19e-04	0.0	-2.51e-04
1261	129	-0.31	-3.16	-3.75e-03	1.46e-03	0.0	-1.71e-04
1261	140	2.54	-0.43	-7.07e-03	2.00e-04	0.0	-2.24e-04
1261	145	2.54	-2.23	-6.44e-03	1.03e-03	0.0	-2.82e-04
1261	161	-0.34	-3.55	-3.70e-03	1.64e-03	0.0	-1.91e-04
1261	172	2.51	-0.43	-7.03e-03	2.00e-04	0.0	-2.22e-04
1261	177	2.52	-2.20	-6.41e-03	1.02e-03	0.0	-2.80e-04
1261	193	-0.33	-3.54	-3.72e-03	1.64e-03	0.0	-1.94e-04
1261	204	2.94	-0.50	-7.53e-03	2.37e-04	0.0	-2.58e-04
1261	209	2.95	-2.57	-6.80e-03	1.19e-03	0.0	-3.27e-04
1261	225	-0.37	-4.14	-3.67e-03	1.92e-03	0.0	-2.30e-04
1262	28	3.58e-03	-0.24	-5.10e-03	1.46e-04	0.0	-1.27e-05
1262	41	1.71e-03	-0.39	-5.23e-03	2.36e-04	0.0	-5.07e-06
1262	44	3.11e-03	-0.39	-5.14e-03	2.38e-04	0.0	-9.14e-06
1262	80	2.47e-03	-0.16	-3.94e-03	9.74e-05	0.0	-9.23e-06
1262	85	1.23e-03	-0.26	-4.02e-03	1.57e-04	0.0	-4.15e-06
1262	88	2.16e-03	-0.26	-3.96e-03	1.59e-04	0.0	-6.86e-06
1262	98	1.95e-03	-4.87e-03	-3.96e-03	3.64e-06	0.0	-9.90e-06
1262	104	1.16e-03	-0.05	-4.01e-03	3.33e-05	0.0	-6.89e-06
1262	105	1.85e-03	-0.06	-3.97e-03	3.45e-05	0.0	-8.88e-06
1262	106	1.15e-03	-2.91e-03	-4.01e-03	2.30e-06	0.0	-7.58e-06
1262	107	1.83e-03	-4.59e-03	-3.96e-03	3.45e-06	0.0	-9.57e-06
1262	113	1.76	-1.67	-0.01	9.82e-04	0.0	-2.06e-04
1262	129	-0.24	-2.56	-9.10e-03	1.50e-03	0.0	-1.49e-04
1262	145	1.99	-1.87	-0.01	1.11e-03	0.0	-2.30e-04
1262	161	-0.27	-2.88	-9.75e-03	1.69e-03	0.0	-1.67e-04
1262	177	1.97	-1.85	-0.01	1.09e-03	0.0	-2.29e-04
1262	193	-0.26	-2.87	-9.74e-03	1.69e-03	0.0	-1.69e-04
1262	209	2.30	-2.16	-0.02	1.28e-03	0.0	-2.67e-04
1262	225	-0.29	-3.37	-0.01	1.98e-03	0.0	-1.99e-04
1263	28	1.50e-03	-0.31	-5.95e-03	1.46e-04	0.0	-1.31e-05
1263	41	5.85e-04	-0.49	-6.12e-03	2.36e-04	0.0	-4.69e-06
1263	44	1.35e-03	-0.50	-6.00e-03	2.38e-04	0.0	-9.08e-06
1263	80	9.91e-04	-0.20	-4.60e-03	9.78e-05	0.0	-9.50e-06
1263	85	3.78e-04	-0.33	-4.71e-03	1.58e-04	0.0	-3.93e-06
1263	88	8.86e-04	-0.33	-4.63e-03	1.59e-04	0.0	-6.85e-06
1263	98	6.10e-04	-6.62e-03	-4.62e-03	4.08e-06	0.0	-1.04e-05
1263	104	2.24e-04	-0.07	-4.70e-03	3.36e-05	0.0	-7.09e-06
1263	105	5.88e-04	-0.07	-4.64e-03	3.49e-05	0.0	-9.23e-06
1263	106	1.85e-04	-4.03e-03	-4.69e-03	2.63e-06	0.0	-7.88e-06
1263	107	5.49e-04	-6.25e-03	-4.63e-03	3.87e-06	0.0	-1.00e-05
1263	113	2.27	-2.10	-0.02	9.64e-04	0.0	-2.53e-04
1263	129	-0.31	-3.23	-0.02	1.47e-03	0.0	-1.75e-04
1263	145	2.56	-2.37	-0.03	1.08e-03	0.0	-2.84e-04
1263	161	-0.35	-3.64	-0.02	1.65e-03	0.0	-1.97e-04
1263	177	2.54	-2.34	-0.03	1.07e-03	0.0	-2.83e-04
1263	193	-0.33	-3.62	-0.02	1.65e-03	0.0	-1.99e-04
1263	209	2.97	-2.73	-0.03	1.25e-03	0.0	-3.30e-04
1263	225	-0.37	-4.24	-0.02	1.93e-03	0.0	-2.36e-04
1264	28	3.19e-03	-0.25	-8.12e-03	1.47e-04	0.0	-1.26e-05
1264	41	1.48e-03	-0.39	-8.86e-03	2.36e-04	0.0	-5.03e-06
1264	44	2.77e-03	-0.40	-8.36e-03	2.39e-04	0.0	-9.07e-06
1264	80	2.20e-03	-0.16	-6.34e-03	9.83e-05	0.0	-9.17e-06
1264	85	1.06e-03	-0.26	-6.83e-03	1.57e-04	0.0	-4.12e-06
1264	88	1.92e-03	-0.26	-6.49e-03	1.59e-04	0.0	-6.81e-06
1264	98	1.70e-03	-0.01	-6.45e-03	4.68e-06	0.0	-9.84e-06
1264	104	9.86e-04	-0.06	-6.76e-03	3.39e-05	0.0	-6.85e-06
1264	105	1.62e-03	-0.06	-6.51e-03	3.53e-05	0.0	-8.82e-06
1264	106	9.68e-04	-6.84e-03	-6.75e-03	3.04e-06	0.0	-7.53e-06
1264	107	1.60e-03	-9.56e-03	-6.49e-03	4.45e-06	0.0	-9.51e-06
1264	113	1.76	-1.77	-0.15	1.03e-03	0.0	-2.06e-04
1264	129	-0.24	-2.63	-0.09	1.53e-03	0.0	-1.50e-04
1264	145	1.98	-1.99	-0.17	1.16e-03	0.0	-2.31e-04
1264	161	-0.27	-2.96	-0.10	1.72e-03	0.0	-1.68e-04
1264	177	1.96	-1.97	-0.17	1.15e-03	0.0	-2.29e-04
1264	193	-0.26	-2.95	-0.10	1.71e-03	0.0	-1.69e-04
1264	209	2.30	-2.29	-0.20	1.34e-03	0.0	-2.67e-04
1264	225	-0.29	-3.46	-0.12	2.01e-03	0.0	-2.00e-04
1265	17	-1.85e-03	0.47	-0.01	-2.27e-04	0.0	-2.46e-05
1265	41	-1.02e-03	-0.50	-0.01	2.35e-04	0.0	-4.74e-06
1265	44	-1.19e-03	-0.50	-0.01	2.38e-04	0.0	-9.10e-06
1265	74	-1.37e-03	0.31	-8.41e-03	-1.51e-04	0.0	-1.72e-05
1265	85	-8.16e-04	-0.33	-9.05e-03	1.57e-04	0.0	-3.95e-06

1265	88	-9.33e-04	-0.34	-8.55e-03	1.59e-04	0.0	-6.86e-06
1265	103	-1.22e-03	0.05	-8.55e-03	-2.72e-05	0.0	-1.14e-05
1265	104	-1.03e-03	-0.07	-8.97e-03	3.33e-05	0.0	-7.08e-06
1265	105	-1.14e-03	-0.08	-8.59e-03	3.46e-05	0.0	-9.21e-06
1265	106	-1.08e-03	-8.13e-03	-8.94e-03	2.45e-06	0.0	-7.86e-06
1265	107	-1.19e-03	-0.01	-8.57e-03	3.76e-06	0.0	-9.99e-06
1265	113	2.30	-2.23	-0.14	1.00e-03	0.0	-2.55e-04
1265	114	-2.30	2.21	0.13	-9.97e-04	0.0	2.35e-04
1265	129	-0.32	-3.31	-0.09	1.48e-03	0.0	-1.79e-04
1265	145	2.59	-2.51	-0.16	1.13e-03	0.0	-2.86e-04
1265	146	-2.59	2.49	0.14	-1.12e-03	0.0	2.66e-04
1265	161	-0.35	-3.73	-0.09	1.66e-03	0.0	-2.00e-04
1265	177	2.57	-2.48	-0.16	1.12e-03	0.0	-2.84e-04
1265	178	-2.57	2.46	0.14	-1.11e-03	0.0	2.64e-04
1265	193	-0.34	-3.71	-0.09	1.66e-03	0.0	-2.03e-04
1265	209	3.00	-2.89	-0.19	1.30e-03	0.0	-3.32e-04
1265	210	-3.01	2.87	0.17	-1.30e-03	0.0	3.12e-04
1265	225	-0.38	-4.35	-0.11	1.94e-03	0.0	-2.40e-04
1266	4	7.03e-03	0.39	-0.09	-1.21e-04	0.0	-1.66e-05
1266	18	6.08e-03	0.63	-0.08	-2.12e-04	0.0	-1.83e-05
1266	28	7.12e-03	-0.34	-0.08	1.54e-04	0.0	-9.16e-06
1266	68	4.91e-03	0.26	-0.06	-7.98e-05	0.0	-1.17e-05
1266	75	4.27e-03	0.42	-0.05	-1.41e-04	0.0	-1.28e-05
1266	80	4.97e-03	-0.23	-0.06	1.03e-04	0.0	-6.71e-06
1266	98	4.03e-03	0.01	-0.05	8.83e-06	0.0	-7.70e-06
1266	103	3.82e-03	0.09	-0.05	-2.14e-05	0.0	-8.40e-06
1266	107	3.82e-03	0.01	-0.05	8.52e-06	0.0	-7.44e-06
1266	113	2.60	-1.96	-0.04	7.92e-04	0.0	-2.29e-04
1266	130	0.36	3.60	-0.06	-1.43e-03	0.0	1.62e-04
1266	145	2.93	-2.21	-0.04	8.91e-04	0.0	-2.57e-04
1266	162	0.40	4.05	-0.07	-1.61e-03	0.0	1.84e-04
1266	177	2.91	-2.18	-0.04	8.80e-04	0.0	-2.56e-04
1266	194	0.38	4.03	-0.07	-1.59e-03	0.0	1.87e-04
1266	209	3.40	-2.54	-0.04	1.02e-03	0.0	-2.98e-04
1266	226	0.43	4.70	-0.07	-1.87e-03	0.0	2.25e-04
1267	4	0.01	0.43	-0.10	-1.14e-04	0.0	-1.36e-05
1267	18	9.55e-03	0.72	-0.09	-2.04e-04	0.0	-1.50e-05
1267	28	0.01	-0.41	-0.09	1.58e-04	0.0	-6.98e-06
1267	68	7.68e-03	0.29	-0.07	-7.48e-05	0.0	-9.59e-06
1267	75	6.71e-03	0.48	-0.06	-1.35e-04	0.0	-1.05e-05
1267	80	7.68e-03	-0.27	-0.07	1.07e-04	0.0	-5.16e-06
1267	98	6.28e-03	7.37e-03	-0.06	1.21e-05	0.0	-6.38e-06
1267	103	5.96e-03	0.10	-0.05	-1.77e-05	0.0	-6.96e-06
1267	107	5.95e-03	7.28e-03	-0.05	1.17e-05	0.0	-6.18e-06
1267	113	2.94	-2.31	-0.04	7.95e-04	0.0	-2.62e-04
1267	130	0.41	4.22	-0.07	-1.42e-03	0.0	1.87e-04
1267	145	3.31	-2.60	-0.04	8.93e-04	0.0	-2.94e-04
1267	162	0.46	4.75	-0.08	-1.60e-03	0.0	2.12e-04
1267	177	3.28	-2.56	-0.04	8.82e-04	0.0	-2.92e-04
1267	194	0.44	4.72	-0.08	-1.59e-03	0.0	2.15e-04
1267	209	3.84	-2.99	-0.04	1.03e-03	0.0	-3.41e-04
1267	226	0.49	5.51	-0.08	-1.86e-03	0.0	2.58e-04
1268	4	0.01	0.48	-0.13	-1.11e-04	0.0	-1.16e-05
1268	28	0.01	-0.48	-0.12	1.60e-04	0.0	-5.29e-06
1268	47	8.90e-03	-0.80	-0.08	2.47e-04	0.0	0.0
1268	68	9.31e-03	0.32	-0.09	-7.26e-05	0.0	-8.10e-06
1268	73	5.32e-03	0.54	-0.05	-1.35e-04	0.0	-7.35e-06
1268	80	9.37e-03	-0.32	-0.08	1.08e-04	0.0	-3.92e-06
1268	98	7.65e-03	9.90e-04	-0.07	1.35e-05	0.0	-5.35e-06
1268	102	4.85e-03	0.11	-0.05	-1.82e-05	0.0	-4.58e-06
1268	106	4.84e-03	1.50e-03	-0.05	1.10e-05	0.0	-3.94e-06
1268	107	7.25e-03	1.06e-03	-0.07	1.32e-05	0.0	-5.15e-06
1268	113	3.27	-2.65	-0.06	7.95e-04	0.0	-2.88e-04
1268	130	0.45	4.83	-0.09	-1.42e-03	0.0	2.09e-04
1268	145	3.68	-2.98	-0.05	8.94e-04	0.0	-3.24e-04
1268	162	0.51	5.44	-0.09	-1.60e-03	0.0	2.37e-04
1268	177	3.65	-2.95	-0.05	8.83e-04	0.0	-3.21e-04
1268	194	0.49	5.40	-0.09	-1.59e-03	0.0	2.40e-04
1268	209	4.27	-3.44	-0.05	1.03e-03	0.0	-3.75e-04
1268	226	0.54	6.32	-0.10	-1.86e-03	0.0	2.88e-04
1269	4	6.43e-03	0.37	-0.02	-1.24e-04	0.0	-2.09e-05
1269	18	5.55e-03	0.62	-0.02	-2.15e-04	0.0	-2.31e-05
1269	28	6.54e-03	-0.35	-0.02	1.52e-04	0.0	-1.17e-05
1269	68	4.48e-03	0.25	-0.01	-8.18e-05	0.0	-1.47e-05
1269	75	3.90e-03	0.41	-0.01	-1.43e-04	0.0	-1.62e-05

1269	80	4.56e-03	-0.23	-0.01	1.02e-04	0.0	-8.56e-06
1269	98	3.68e-03	7.46e-03	-0.01	7.68e-06	0.0	-9.62e-06
1269	103	3.49e-03	0.09	-0.01	-2.28e-05	0.0	-1.05e-05
1269	107	3.49e-03	7.36e-03	-0.01	7.41e-06	0.0	-9.30e-06
1269	113	2.61	-2.10	-0.01	8.32e-04	0.0	-2.34e-04
1269	124	1.62	2.94	-0.01	-1.15e-03	0.0	1.09e-05
1269	130	0.36	3.66	-0.01	-1.43e-03	0.0	1.64e-04
1269	145	2.93	-2.36	-0.01	9.35e-04	0.0	-2.63e-04
1269	156	1.82	3.30	-0.01	-1.29e-03	0.0	1.38e-05
1269	162	0.40	4.12	-0.01	-1.61e-03	0.0	1.87e-04
1269	177	2.91	-2.33	-0.01	9.24e-04	0.0	-2.61e-04
1269	188	1.80	3.27	-0.01	-1.28e-03	0.0	1.53e-05
1269	194	0.38	4.09	-0.01	-1.60e-03	0.0	1.90e-04
1269	209	3.40	-2.72	-0.01	1.08e-03	0.0	-3.04e-04
1269	220	2.11	3.81	-0.02	-1.49e-03	0.0	2.13e-05
1269	226	0.43	4.79	-0.02	-1.87e-03	0.0	2.29e-04
1270	4	0.01	0.43	-0.02	-1.18e-04	0.0	-1.75e-05
1270	16	5.76e-03	0.71	-0.02	-2.12e-04	0.0	-1.62e-05
1270	28	0.01	-0.42	-0.02	1.55e-04	0.0	-9.53e-06
1270	68	7.29e-03	0.28	-0.02	-7.79e-05	0.0	-1.23e-05
1270	73	4.17e-03	0.47	-0.01	-1.41e-04	0.0	-1.14e-05
1270	80	7.31e-03	-0.28	-0.02	1.04e-04	0.0	-6.99e-06
1270	98	5.97e-03	3.14e-03	-0.01	1.01e-05	0.0	-8.22e-06
1270	102	3.77e-03	0.10	-9.99e-03	-2.19e-05	0.0	-7.21e-06
1270	106	3.76e-03	3.46e-03	-9.86e-03	7.86e-06	0.0	-6.24e-06
1270	107	5.65e-03	3.19e-03	-0.01	9.81e-06	0.0	-7.94e-06
1270	113	2.94	-2.46	-0.01	8.30e-04	0.0	-2.65e-04
1270	124	1.82	3.43	-0.02	-1.14e-03	0.0	1.02e-05
1270	130	0.41	4.28	-0.02	-1.42e-03	0.0	1.86e-04
1270	145	3.31	-2.77	-0.01	9.33e-04	0.0	-2.98e-04
1270	156	2.05	3.86	-0.02	-1.28e-03	0.0	1.28e-05
1270	162	0.46	4.81	-0.02	-1.60e-03	0.0	2.12e-04
1270	177	3.28	-2.73	-0.01	9.22e-04	0.0	-2.96e-04
1270	188	2.03	3.82	-0.02	-1.27e-03	0.0	1.41e-05
1270	194	0.44	4.78	-0.02	-1.59e-03	0.0	2.15e-04
1270	209	3.84	-3.19	-0.01	1.07e-03	0.0	-3.45e-04
1270	220	2.38	4.45	-0.02	-1.48e-03	0.0	1.96e-05
1270	226	0.49	5.60	-0.02	-1.86e-03	0.0	2.59e-04
1271	4	0.01	0.47	-0.03	-1.15e-04	0.0	-1.44e-05
1271	28	0.01	-0.48	-0.03	1.57e-04	0.0	-7.64e-06
1271	44	0.01	-0.80	-0.02	2.48e-04	0.0	-4.00e-06
1271	68	9.88e-03	0.32	-0.02	-7.60e-05	0.0	-1.01e-05
1271	80	9.92e-03	-0.32	-0.02	1.05e-04	0.0	-5.59e-06
1271	88	8.69e-03	-0.54	-0.02	1.66e-04	0.0	-3.17e-06
1271	98	8.11e-03	-2.13e-03	-0.02	1.13e-05	0.0	-6.90e-06
1271	105	7.70e-03	-0.11	-0.01	4.19e-05	0.0	-5.82e-06
1271	107	7.68e-03	-1.93e-03	-0.02	1.09e-05	0.0	-6.63e-06
1271	113	3.27	-2.82	-0.02	8.30e-04	0.0	-2.90e-04
1271	124	2.03	3.92	-0.02	-1.13e-03	0.0	1.24e-05
1271	129	-0.44	-4.89	-0.01	1.44e-03	0.0	-2.21e-04
1271	145	3.68	-3.17	-0.02	9.33e-04	0.0	-3.26e-04
1271	156	2.29	4.41	-0.02	-1.28e-03	0.0	1.51e-05
1271	161	-0.49	-5.51	-0.01	1.62e-03	0.0	-2.49e-04
1271	177	3.65	-3.13	-0.02	9.22e-04	0.0	-3.24e-04
1271	188	2.26	4.37	-0.02	-1.26e-03	0.0	1.59e-05
1271	193	-0.47	-5.47	-0.01	1.61e-03	0.0	-2.52e-04
1271	209	4.27	-3.65	-0.02	1.07e-03	0.0	-3.78e-04
1271	220	2.64	5.09	-0.02	-1.48e-03	0.0	2.13e-05
1271	225	-0.53	-6.40	-0.01	1.88e-03	0.0	-3.00e-04
1272	4	5.68e-03	0.36	-8.12e-03	-1.26e-04	0.0	-2.21e-05
1272	16	3.09e-03	0.60	-6.86e-03	-2.21e-04	0.0	-2.07e-05
1272	28	5.82e-03	-0.36	-7.91e-03	1.51e-04	0.0	-1.24e-05
1272	68	3.96e-03	0.24	-6.03e-03	-8.36e-05	0.0	-1.55e-05
1272	73	2.23e-03	0.40	-5.19e-03	-1.47e-04	0.0	-1.46e-05
1272	80	4.05e-03	-0.24	-5.89e-03	1.01e-04	0.0	-9.01e-06
1272	98	3.26e-03	2.01e-03	-5.61e-03	6.74e-06	0.0	-1.01e-05
1272	102	2.05e-03	0.08	-5.01e-03	-2.55e-05	0.0	-8.96e-06
1272	106	2.05e-03	2.62e-03	-4.99e-03	4.98e-06	0.0	-7.66e-06
1272	107	3.09e-03	2.10e-03	-5.52e-03	6.49e-06	0.0	-9.76e-06
1272	108	2.60	-0.32	-6.44e-03	1.29e-04	0.0	-2.34e-04
1272	113	2.61	-2.24	-6.20e-03	8.70e-04	0.0	-2.36e-04
1272	130	0.36	3.72	-5.87e-03	-1.43e-03	0.0	1.66e-04
1272	140	2.93	-0.37	-6.56e-03	1.45e-04	0.0	-2.63e-04
1272	145	2.94	-2.52	-6.29e-03	9.79e-04	0.0	-2.65e-04
1272	162	0.40	4.19	-5.92e-03	-1.61e-03	0.0	1.89e-04

1272	172	2.91	-0.37	-6.51e-03	1.46e-04	0.0	-2.61e-04
1272	177	2.91	-2.49	-6.25e-03	9.68e-04	0.0	-2.63e-04
1272	194	0.38	4.16	-5.91e-03	-1.60e-03	0.0	1.92e-04
1272	204	3.40	-0.44	-6.67e-03	1.73e-04	0.0	-3.04e-04
1272	209	3.41	-2.90	-6.37e-03	1.13e-03	0.0	-3.07e-04
1272	226	0.43	4.87	-5.97e-03	-1.88e-03	0.0	2.32e-04
1273	4	9.86e-03	0.42	-8.55e-03	-1.22e-04	0.0	-1.88e-05
1273	28	9.90e-03	-0.42	-8.33e-03	1.54e-04	0.0	-1.02e-05
1273	44	8.62e-03	-0.70	-7.83e-03	2.45e-04	0.0	-6.16e-06
1273	68	6.88e-03	0.28	-6.35e-03	-8.06e-05	0.0	-1.31e-05
1273	80	6.91e-03	-0.28	-6.20e-03	1.03e-04	0.0	-7.46e-06
1273	88	6.05e-03	-0.47	-5.86e-03	1.64e-04	0.0	-4.75e-06
1273	98	5.63e-03	-1.58e-03	-5.90e-03	8.74e-06	0.0	-8.73e-06
1273	105	5.36e-03	-0.09	-5.78e-03	3.95e-05	0.0	-7.53e-06
1273	107	5.34e-03	-1.37e-03	-5.80e-03	8.43e-06	0.0	-8.40e-06
1273	108	2.94	-0.38	-6.79e-03	1.30e-04	0.0	-2.67e-04
1273	113	2.94	-2.61	-6.51e-03	8.66e-04	0.0	-2.67e-04
1273	129	-0.40	-4.33	-5.37e-03	1.43e-03	0.0	-2.04e-04
1273	140	3.31	-0.43	-6.91e-03	1.46e-04	0.0	-3.00e-04
1273	145	3.31	-2.94	-6.60e-03	9.74e-04	0.0	-2.99e-04
1273	161	-0.45	-4.88	-5.32e-03	1.61e-03	0.0	-2.29e-04
1273	172	3.28	-0.43	-6.86e-03	1.47e-04	0.0	-2.98e-04
1273	177	3.28	-2.90	-6.56e-03	9.63e-04	0.0	-2.97e-04
1273	193	-0.42	-4.85	-5.32e-03	1.60e-03	0.0	-2.33e-04
1273	204	3.83	-0.51	-7.03e-03	1.74e-04	0.0	-3.48e-04
1273	209	3.84	-3.39	-6.68e-03	1.12e-03	0.0	-3.47e-04
1273	225	-0.47	-5.68	-5.25e-03	1.88e-03	0.0	-2.77e-04
1274	4	0.01	0.47	-9.19e-03	-1.19e-04	0.0	-1.53e-05
1274	28	0.01	-0.49	-8.97e-03	1.55e-04	0.0	-8.08e-06
1274	44	0.01	-0.81	-8.39e-03	2.47e-04	0.0	-4.11e-06
1274	68	0.01	0.31	-6.80e-03	-7.89e-05	0.0	-1.07e-05
1274	80	0.01	-0.33	-6.65e-03	1.04e-04	0.0	-5.89e-06
1274	88	9.07e-03	-0.54	-6.26e-03	1.65e-04	0.0	-3.24e-06
1274	98	8.48e-03	-6.25e-03	-6.27e-03	9.98e-06	0.0	-7.26e-06
1274	105	8.05e-03	-0.11	-6.14e-03	4.07e-05	0.0	-6.09e-06
1274	107	8.03e-03	-5.88e-03	-6.16e-03	9.63e-06	0.0	-6.96e-06
1274	108	3.27	-0.44	-7.14e-03	1.31e-04	0.0	-2.94e-04
1274	113	3.27	-2.99	-6.81e-03	8.65e-04	0.0	-2.91e-04
1274	129	-0.44	-4.95	-5.63e-03	1.43e-03	0.0	-2.22e-04
1274	140	3.68	-0.49	-7.26e-03	1.47e-04	0.0	-3.30e-04
1274	145	3.68	-3.36	-6.89e-03	9.73e-04	0.0	-3.27e-04
1274	161	-0.49	-5.58	-5.56e-03	1.61e-03	0.0	-2.50e-04
1274	172	3.64	-0.49	-7.20e-03	1.48e-04	0.0	-3.29e-04
1274	177	3.65	-3.32	-6.85e-03	9.62e-04	0.0	-3.25e-04
1274	193	-0.47	-5.55	-5.57e-03	1.60e-03	0.0	-2.53e-04
1274	204	4.26	-0.59	-7.36e-03	1.74e-04	0.0	-3.84e-04
1274	209	4.27	-3.87	-6.95e-03	1.12e-03	0.0	-3.79e-04
1274	225	-0.53	-6.49	-5.47e-03	1.87e-03	0.0	-3.01e-04
1275	4	4.76e-03	0.35	-5.89e-03	-1.29e-04	0.0	-2.18e-05
1275	28	4.93e-03	-0.36	-5.86e-03	1.49e-04	0.0	-1.22e-05
1275	44	4.37e-03	-0.60	-5.79e-03	2.41e-04	0.0	-7.95e-06
1275	68	3.32e-03	0.23	-4.50e-03	-8.55e-05	0.0	-1.53e-05
1275	80	3.43e-03	-0.24	-4.48e-03	9.96e-05	0.0	-8.85e-06
1275	88	3.06e-03	-0.40	-4.44e-03	1.61e-04	0.0	-6.05e-06
1275	98	2.74e-03	-3.35e-03	-4.44e-03	5.60e-06	0.0	-9.97e-06
1275	105	2.62e-03	-0.08	-4.42e-03	3.64e-05	0.0	-8.74e-06
1275	107	2.59e-03	-3.07e-03	-4.42e-03	5.37e-06	0.0	-9.61e-06
1275	112	2.05	-0.53	-6.86e-03	2.03e-04	0.0	-2.92e-04
1275	113	2.61	-2.38	-6.34e-03	9.08e-04	0.0	-2.37e-04
1275	129	-0.35	-3.78	-4.09e-03	1.44e-03	0.0	-1.87e-04
1275	144	2.31	-0.60	-7.16e-03	2.29e-04	0.0	-3.28e-04
1275	145	2.94	-2.67	-6.58e-03	1.02e-03	0.0	-2.66e-04
1275	161	-0.40	-4.26	-4.05e-03	1.62e-03	0.0	-2.10e-04
1275	172	2.91	-0.51	-7.12e-03	2.00e-04	0.0	-2.61e-04
1275	177	2.91	-2.64	-6.55e-03	1.01e-03	0.0	-2.64e-04
1275	193	-0.38	-4.24	-4.07e-03	1.61e-03	0.0	-2.14e-04
1275	208	2.68	-0.73	-7.58e-03	2.80e-04	0.0	-3.82e-04
1275	209	3.41	-3.08	-6.91e-03	1.18e-03	0.0	-3.08e-04
1275	225	-0.42	-4.97	-4.03e-03	1.89e-03	0.0	-2.54e-04
1276	4	9.25e-03	0.41	-6.14e-03	-1.26e-04	0.0	-1.85e-05
1276	28	9.30e-03	-0.43	-6.11e-03	1.50e-04	0.0	-9.85e-06
1276	44	8.10e-03	-0.70	-6.04e-03	2.42e-04	0.0	-5.64e-06
1276	68	6.46e-03	0.27	-4.69e-03	-8.38e-05	0.0	-1.30e-05
1276	80	6.49e-03	-0.29	-4.67e-03	1.01e-04	0.0	-7.18e-06
1276	88	5.69e-03	-0.47	-4.62e-03	1.62e-04	0.0	-4.37e-06

1276	98	5.29e-03	-6.17e-03	-4.63e-03	6.69e-06	0.0	-8.52e-06
1276	105	5.03e-03	-0.10	-4.61e-03	3.74e-05	0.0	-7.29e-06
1276	107	5.01e-03	-5.78e-03	-4.61e-03	6.42e-06	0.0	-8.19e-06
1276	113	2.94	-2.77	-7.01e-03	9.00e-04	0.0	-2.67e-04
1276	129	-0.40	-4.40	-5.97e-03	1.42e-03	0.0	-2.04e-04
1276	145	3.31	-3.11	-7.31e-03	1.01e-03	0.0	-3.00e-04
1276	161	-0.45	-4.96	-6.14e-03	1.60e-03	0.0	-2.30e-04
1276	177	3.28	-3.08	-7.27e-03	1.00e-03	0.0	-2.98e-04
1276	193	-0.42	-4.93	-6.13e-03	1.60e-03	0.0	-2.33e-04
1276	209	3.84	-3.59	-7.72e-03	1.17e-03	0.0	-3.48e-04
1276	225	-0.48	-5.78	-6.40e-03	1.87e-03	0.0	-2.77e-04
1277	4	0.02	0.46	-6.30e-03	-1.25e-04	0.0	-1.48e-05
1277	44	0.01	-0.81	-6.19e-03	2.43e-04	0.0	-3.06e-06
1277	68	0.01	0.31	-4.81e-03	-8.29e-05	0.0	-1.03e-05
1277	88	9.24e-03	-0.54	-4.73e-03	1.62e-04	0.0	-2.49e-06
1277	98	8.67e-03	-9.50e-03	-4.73e-03	7.28e-06	0.0	-6.83e-06
1277	105	8.23e-03	-0.11	-4.71e-03	3.79e-05	0.0	-5.60e-06
1277	107	8.22e-03	-8.98e-03	-4.72e-03	6.99e-06	0.0	-6.53e-06
1277	113	3.27	-3.15	-7.16e-03	8.97e-04	0.0	-2.91e-04
1277	129	-0.44	-5.01	-6.08e-03	1.42e-03	0.0	-2.22e-04
1277	145	3.68	-3.55	-7.47e-03	1.01e-03	0.0	-3.27e-04
1277	161	-0.49	-5.65	-6.25e-03	1.60e-03	0.0	-2.50e-04
1277	177	3.65	-3.51	-7.43e-03	9.98e-04	0.0	-3.25e-04
1277	193	-0.47	-5.62	-6.24e-03	1.59e-03	0.0	-2.53e-04
1277	209	4.27	-4.09	-7.89e-03	1.16e-03	0.0	-3.79e-04
1277	225	-0.53	-6.58	-6.51e-03	1.86e-03	0.0	-3.01e-04
1278	28	3.51e-03	-0.37	-6.38e-03	1.47e-04	0.0	-1.18e-05
1278	41	1.95e-03	-0.60	-6.59e-03	2.36e-04	0.0	-3.27e-06
1278	44	3.18e-03	-0.60	-6.45e-03	2.39e-04	0.0	-7.60e-06
1278	80	2.44e-03	-0.25	-4.93e-03	9.82e-05	0.0	-8.58e-06
1278	85	1.40e-03	-0.40	-5.08e-03	1.58e-04	0.0	-2.91e-06
1278	88	2.22e-03	-0.40	-4.98e-03	1.59e-04	0.0	-5.79e-06
1278	98	1.91e-03	-8.48e-03	-4.97e-03	4.45e-06	0.0	-9.70e-06
1278	104	1.26e-03	-0.08	-5.06e-03	3.39e-05	0.0	-6.37e-06
1278	105	1.85e-03	-0.09	-4.99e-03	3.52e-05	0.0	-8.48e-06
1278	106	1.22e-03	-5.24e-03	-5.05e-03	2.91e-06	0.0	-7.23e-06
1278	107	1.81e-03	-8.02e-03	-4.98e-03	4.23e-06	0.0	-9.35e-06
1278	113	2.61	-2.52	-0.03	9.47e-04	0.0	-2.38e-04
1278	129	-0.35	-3.86	-0.02	1.44e-03	0.0	-1.88e-04
1278	145	2.94	-2.83	-0.03	1.07e-03	0.0	-2.67e-04
1278	161	-0.40	-4.34	-0.02	1.62e-03	0.0	-2.12e-04
1278	177	2.91	-2.80	-0.03	1.05e-03	0.0	-2.65e-04
1278	193	-0.38	-4.33	-0.02	1.61e-03	0.0	-2.15e-04
1278	209	3.41	-3.26	-0.04	1.23e-03	0.0	-3.09e-04
1278	225	-0.42	-5.07	-0.02	1.89e-03	0.0	-2.55e-04
1279	28	8.44e-03	-0.43	-6.63e-03	1.47e-04	0.0	-9.42e-06
1279	41	4.32e-03	-0.70	-6.87e-03	2.36e-04	0.0	-1.18e-06
1279	44	7.37e-03	-0.71	-6.70e-03	2.39e-04	0.0	-5.19e-06
1279	80	5.89e-03	-0.29	-5.13e-03	9.84e-05	0.0	-6.86e-06
1279	85	3.14e-03	-0.47	-5.29e-03	1.58e-04	0.0	-1.36e-06
1279	88	5.18e-03	-0.47	-5.18e-03	1.60e-04	0.0	-4.04e-06
1279	98	4.80e-03	-0.01	-5.17e-03	4.72e-06	0.0	-8.25e-06
1279	104	3.06e-03	-0.10	-5.27e-03	3.40e-05	0.0	-5.04e-06
1279	105	4.57e-03	-0.10	-5.19e-03	3.54e-05	0.0	-7.01e-06
1279	106	3.04e-03	-6.57e-03	-5.26e-03	3.10e-06	0.0	-5.96e-06
1279	107	4.55e-03	-9.95e-03	-5.18e-03	4.49e-06	0.0	-7.92e-06
1279	113	2.94	-2.92	-0.03	9.35e-04	0.0	-2.67e-04
1279	129	-0.40	-4.47	-0.02	1.42e-03	0.0	-2.04e-04
1279	145	3.31	-3.29	-0.04	1.05e-03	0.0	-3.00e-04
1279	161	-0.45	-5.04	-0.02	1.59e-03	0.0	-2.30e-04
1279	177	3.28	-3.25	-0.04	1.04e-03	0.0	-2.98e-04
1279	193	-0.43	-5.02	-0.02	1.59e-03	0.0	-2.33e-04
1279	209	3.84	-3.79	-0.04	1.21e-03	0.0	-3.47e-04
1279	225	-0.48	-5.88	-0.03	1.86e-03	0.0	-2.77e-04
1280	4	0.02	0.45	-6.68e-03	-1.30e-04	0.0	-1.44e-05
1280	41	7.71e-03	-0.80	-6.96e-03	2.36e-04	0.0	1.07e-06
1280	44	0.01	-0.81	-6.80e-03	2.39e-04	0.0	-2.53e-06
1280	68	0.01	0.30	-5.17e-03	-8.67e-05	0.0	-1.00e-05
1280	85	5.63e-03	-0.54	-5.36e-03	1.58e-04	0.0	0.0
1280	88	9.35e-03	-0.54	-5.25e-03	1.60e-04	0.0	-2.11e-06
1280	98	8.81e-03	-0.01	-5.24e-03	4.84e-06	0.0	-6.56e-06
1280	104	5.59e-03	-0.11	-5.34e-03	3.41e-05	0.0	-3.54e-06
1280	105	8.35e-03	-0.12	-5.26e-03	3.55e-05	0.0	-5.31e-06
1280	106	5.58e-03	-7.97e-03	-5.34e-03	3.18e-06	0.0	-4.50e-06
1280	107	8.35e-03	-0.01	-5.26e-03	4.61e-06	0.0	-6.27e-06

1280	113	3.27	-3.32	-0.04	9.30e-04	0.0	-2.91e-04
1280	129	-0.44	-5.08	-0.02	1.41e-03	0.0	-2.21e-04
1280	145	3.68	-3.74	-0.04	1.05e-03	0.0	-3.27e-04
1280	161	-0.49	-5.72	-0.02	1.58e-03	0.0	-2.49e-04
1280	177	3.65	-3.70	-0.04	1.04e-03	0.0	-3.25e-04
1280	193	-0.47	-5.70	-0.02	1.58e-03	0.0	-2.53e-04
1280	209	4.27	-4.31	-0.04	1.21e-03	0.0	-3.79e-04
1280	225	-0.53	-6.68	-0.03	1.85e-03	0.0	-3.01e-04
1281	41	5.42e-04	-0.60	-0.01	2.34e-04	0.0	-3.15e-06
1281	44	5.85e-04	-0.61	-0.01	2.37e-04	0.0	-7.45e-06
1281	85	3.75e-04	-0.40	-9.95e-03	1.56e-04	0.0	-2.81e-06
1281	88	4.03e-04	-0.41	-9.31e-03	1.58e-04	0.0	-5.68e-06
1281	104	1.74e-04	-0.09	-9.85e-03	3.28e-05	0.0	-6.26e-06
1281	105	1.75e-04	-0.09	-9.37e-03	3.41e-05	0.0	-8.36e-06
1281	106	1.24e-04	-8.95e-03	-9.83e-03	1.94e-06	0.0	-7.12e-06
1281	107	1.25e-04	-0.01	-9.34e-03	3.19e-06	0.0	-9.23e-06
1281	113	2.61	-2.66	-0.14	9.80e-04	0.0	-2.38e-04
1281	129	-0.36	-3.93	-0.08	1.43e-03	0.0	-1.88e-04
1281	145	2.94	-2.99	-0.15	1.10e-03	0.0	-2.67e-04
1281	161	-0.40	-4.43	-0.09	1.61e-03	0.0	-2.12e-04
1281	177	2.91	-2.95	-0.15	1.09e-03	0.0	-2.65e-04
1281	193	-0.38	-4.41	-0.09	1.61e-03	0.0	-2.15e-04
1281	209	3.41	-3.45	-0.17	1.27e-03	0.0	-3.09e-04
1281	225	-0.43	-5.17	-0.10	1.89e-03	0.0	-2.56e-04
1282	28	6.64e-03	-0.44	-0.01	1.44e-04	0.0	-9.28e-06
1282	41	3.45e-03	-0.70	-0.01	2.34e-04	0.0	-1.05e-06
1282	44	5.83e-03	-0.71	-0.01	2.36e-04	0.0	-5.05e-06
1282	80	4.63e-03	-0.29	-9.35e-03	9.63e-05	0.0	-6.75e-06
1282	85	2.51e-03	-0.47	-0.01	1.56e-04	0.0	-1.27e-06
1282	88	4.09e-03	-0.47	-9.68e-03	1.57e-04	0.0	-3.94e-06
1282	98	3.76e-03	-0.01	-9.64e-03	2.99e-06	0.0	-8.15e-06
1282	104	2.42e-03	-0.10	-0.01	3.24e-05	0.0	-4.94e-06
1282	105	3.59e-03	-0.11	-9.75e-03	3.36e-05	0.0	-6.90e-06
1282	106	2.40e-03	-9.60e-03	-0.01	1.59e-06	0.0	-5.86e-06
1282	107	3.57e-03	-0.01	-9.73e-03	2.79e-06	0.0	-7.82e-06
1282	113	2.94	-3.08	-0.13	9.66e-04	0.0	-2.67e-04
1282	129	-0.40	-4.54	-0.08	1.41e-03	0.0	-2.04e-04
1282	145	3.31	-3.46	-0.15	1.09e-03	0.0	-3.00e-04
1282	161	-0.45	-5.11	-0.09	1.58e-03	0.0	-2.29e-04
1282	177	3.28	-3.42	-0.14	1.08e-03	0.0	-2.98e-04
1282	193	-0.43	-5.10	-0.09	1.58e-03	0.0	-2.33e-04
1282	209	3.84	-3.99	-0.17	1.26e-03	0.0	-3.47e-04
1282	225	-0.48	-5.98	-0.10	1.85e-03	0.0	-2.77e-04
1283	4	0.02	0.45	-0.01	-1.35e-04	0.0	-1.31e-05
1283	41	7.72e-03	-0.80	-0.01	2.33e-04	0.0	2.12e-06
1283	44	0.01	-0.81	-0.01	2.35e-04	0.0	-1.24e-06
1283	68	0.01	0.30	-9.34e-03	-9.00e-05	0.0	-9.10e-06
1283	85	5.63e-03	-0.53	-0.01	1.55e-04	0.0	1.06e-06
1283	88	9.42e-03	-0.54	-9.82e-03	1.57e-04	0.0	-1.18e-06
1283	98	8.90e-03	-0.02	-9.78e-03	2.65e-06	0.0	-5.79e-06
1283	104	5.63e-03	-0.11	-0.01	3.21e-05	0.0	-2.88e-06
1283	105	8.44e-03	-0.12	-9.90e-03	3.33e-05	0.0	-4.53e-06
1283	106	5.63e-03	-0.01	-0.01	1.29e-06	0.0	-3.87e-06
1283	107	8.43e-03	-0.01	-9.88e-03	2.46e-06	0.0	-5.52e-06
1283	113	3.27	-3.49	-0.13	9.62e-04	0.0	-2.91e-04
1283	129	-0.44	-5.14	-0.08	1.40e-03	0.0	-2.21e-04
1283	145	3.68	-3.93	-0.14	1.08e-03	0.0	-3.27e-04
1283	161	-0.49	-5.79	-0.09	1.57e-03	0.0	-2.50e-04
1283	177	3.65	-3.88	-0.14	1.07e-03	0.0	-3.25e-04
1283	193	-0.47	-5.77	-0.09	1.57e-03	0.0	-2.53e-04
1283	209	4.27	-4.53	-0.17	1.25e-03	0.0	-3.80e-04
1283	225	-0.53	-6.77	-0.10	1.84e-03	0.0	-3.01e-04
1284	1	0.0	0.0	0.0	-1.26e-04	0.0	0.0
1284	65	0.0	0.0	0.0	-8.35e-05	0.0	0.0
1284	97	0.0	0.0	0.0	8.48e-06	0.0	0.0
1284	106	0.0	0.0	0.0	8.48e-06	0.0	0.0
1284	108	0.0	0.0	0.0	5.26e-04	0.0	-2.55e-06
1284	140	0.0	0.0	0.0	5.91e-04	0.0	-2.93e-06
1284	172	0.0	0.0	0.0	5.87e-04	0.0	-2.91e-06
1284	204	0.0	0.0	0.0	6.88e-04	0.0	-3.49e-06
1285	4	-0.02	0.05	-4.07e-03	-1.18e-04	0.0	3.04e-06
1285	44	-0.01	-0.10	-3.64e-03	2.46e-04	0.0	6.84e-06
1285	68	-0.02	0.03	-3.01e-03	-7.79e-05	0.0	2.28e-06
1285	88	-0.01	-0.07	-2.72e-03	1.65e-04	0.0	4.81e-06
1285	98	-0.01	-5.18e-03	-2.77e-03	1.19e-05	0.0	2.85e-06

1285	105	-0.01	-0.02	-2.71e-03	4.18e-05	0.0	3.15e-06
1285	107	-0.01	-4.96e-03	-2.72e-03	1.13e-05	0.0	2.78e-06
1285	114	-0.43	0.53	-0.07	-1.31e-03	0.0	1.71e-05
1285	129	0.22	-0.70	0.03	1.73e-03	0.0	2.26e-05
1285	146	-0.48	0.59	-0.08	-1.47e-03	0.0	1.89e-05
1285	161	0.25	-0.79	0.04	1.95e-03	0.0	2.49e-05
1285	178	-0.48	0.59	-0.08	-1.46e-03	0.0	1.90e-05
1285	193	0.25	-0.79	0.04	1.95e-03	0.0	2.37e-05
1285	210	-0.56	0.69	-0.09	-1.70e-03	0.0	2.19e-05
1285	225	0.29	-0.92	0.05	2.29e-03	0.0	2.65e-05
1286	4	-0.02	0.05	-1.97e-03	-1.21e-04	0.0	3.06e-06
1286	44	-0.01	-0.10	-1.92e-03	2.40e-04	0.0	6.94e-06
1286	68	-0.02	0.03	-1.50e-03	-8.00e-05	0.0	2.30e-06
1286	88	-0.01	-0.06	-1.47e-03	1.60e-04	0.0	4.88e-06
1286	98	-0.01	-3.79e-03	-1.48e-03	9.21e-06	0.0	2.88e-06
1286	105	-0.01	-0.02	-1.47e-03	3.89e-05	0.0	3.19e-06
1286	107	-0.01	-3.60e-03	-1.47e-03	8.75e-06	0.0	2.81e-06
1286	113	0.41	-0.54	-3.53e-03	1.35e-03	0.0	-1.11e-05
1286	114	-0.43	0.54	5.85e-04	-1.33e-03	0.0	1.67e-05
1286	129	0.22	-0.69	-2.56e-03	1.71e-03	0.0	2.31e-05
1286	145	0.46	-0.61	-3.79e-03	1.52e-03	0.0	-1.29e-05
1286	146	-0.48	0.60	8.45e-04	-1.50e-03	0.0	1.85e-05
1286	161	0.25	-0.78	-2.70e-03	1.93e-03	0.0	2.55e-05
1286	177	0.46	-0.60	-3.77e-03	1.50e-03	0.0	-1.30e-05
1286	178	-0.48	0.60	8.27e-04	-1.48e-03	0.0	1.86e-05
1286	193	0.25	-0.78	-2.70e-03	1.93e-03	0.0	2.42e-05
1286	209	0.54	-0.70	-4.16e-03	1.75e-03	0.0	-1.58e-05
1286	210	-0.56	0.70	1.22e-03	-1.73e-03	0.0	2.14e-05
1286	225	0.29	-0.91	-2.92e-03	2.27e-03	0.0	2.72e-05
1287	1	0.0	0.0	0.0	-1.28e-04	0.0	0.0
1287	65	0.0	0.0	0.0	-8.50e-05	0.0	0.0
1287	97	0.0	0.0	0.0	6.10e-06	0.0	0.0
1287	106	0.0	0.0	0.0	6.10e-06	0.0	0.0
1287	108	0.0	0.0	0.0	5.57e-04	0.0	-2.56e-06
1287	140	0.0	0.0	0.0	6.26e-04	0.0	-2.94e-06
1287	172	0.0	0.0	0.0	6.22e-04	0.0	-2.92e-06
1287	204	0.0	0.0	0.0	7.29e-04	0.0	-3.51e-06
1288	4	-0.04	0.09	-5.81e-03	-1.19e-04	0.0	5.54e-06
1288	44	-0.02	-0.20	-5.61e-03	2.44e-04	0.0	1.27e-05
1288	68	-0.02	0.06	-4.38e-03	-7.86e-05	0.0	4.17e-06
1288	88	-0.02	-0.13	-4.25e-03	1.64e-04	0.0	8.93e-06
1288	98	-0.02	-0.01	-4.23e-03	1.10e-05	0.0	5.25e-06
1288	105	-0.02	-0.03	-4.19e-03	4.09e-05	0.0	5.83e-06
1288	107	-0.02	-9.65e-03	-4.19e-03	1.05e-05	0.0	5.12e-06
1288	114	-0.86	1.05	-0.12	-1.29e-03	0.0	3.66e-05
1288	129	0.45	-1.39	-0.02	1.70e-03	0.0	4.25e-05
1288	146	-0.97	1.18	-0.13	-1.45e-03	0.0	4.06e-05
1288	161	0.51	-1.57	-0.02	1.92e-03	0.0	4.69e-05
1288	178	-0.96	1.17	-0.13	-1.44e-03	0.0	4.07e-05
1288	193	0.51	-1.57	-0.02	1.92e-03	0.0	4.44e-05
1288	210	-1.13	1.37	-0.15	-1.68e-03	0.0	4.71e-05
1288	225	0.60	-1.84	-0.02	2.25e-03	0.0	4.97e-05
1289	4	-0.04	0.10	-3.29e-03	-1.21e-04	0.0	5.60e-06
1289	44	-0.02	-0.19	-3.26e-03	2.39e-04	0.0	1.29e-05
1289	68	-0.02	0.06	-2.52e-03	-8.02e-05	0.0	4.21e-06
1289	88	-0.02	-0.13	-2.51e-03	1.60e-04	0.0	9.05e-06
1289	98	-0.02	-7.49e-03	-2.51e-03	8.91e-06	0.0	5.32e-06
1289	105	-0.02	-0.03	-2.50e-03	3.86e-05	0.0	5.90e-06
1289	107	-0.02	-7.13e-03	-2.50e-03	8.47e-06	0.0	5.18e-06
1289	109	0.82	-1.12	-2.77e-03	1.38e-03	0.0	-2.51e-05
1289	114	-0.86	1.07	-2.25e-03	-1.32e-03	0.0	3.60e-05
1289	129	0.45	-1.38	-2.70e-03	1.69e-03	0.0	4.34e-05
1289	141	0.93	-1.27	-2.80e-03	1.56e-03	0.0	-2.90e-05
1289	146	-0.97	1.20	-2.22e-03	-1.48e-03	0.0	4.00e-05
1289	161	0.51	-1.55	-2.73e-03	1.91e-03	0.0	4.80e-05
1289	173	0.92	-1.26	-2.76e-03	1.55e-03	0.0	-2.96e-05
1289	178	-0.96	1.19	-2.26e-03	-1.47e-03	0.0	4.01e-05
1289	193	0.51	-1.55	-2.72e-03	1.91e-03	0.0	4.55e-05
1289	205	1.08	-1.47	-2.80e-03	1.81e-03	0.0	-3.61e-05
1289	210	-1.13	1.39	-2.22e-03	-1.72e-03	0.0	4.63e-05
1289	225	0.60	-1.82	-2.75e-03	2.24e-03	0.0	5.09e-05
1290	4	-0.04	0.14	-6.57e-03	-1.21e-04	0.0	7.26e-06
1290	41	-0.01	-0.29	-6.84e-03	2.36e-04	0.0	1.51e-05
1290	44	-0.03	-0.30	-6.83e-03	2.42e-04	0.0	1.72e-05
1290	68	-0.03	0.09	-5.06e-03	-7.98e-05	0.0	5.47e-06

1290	85	-0.01	-0.19	-5.24e-03	1.58e-04	0.0	1.07e-05
1290	88	-0.02	-0.20	-5.24e-03	1.62e-04	0.0	1.21e-05
1290	98	-0.02	-0.01	-5.14e-03	9.72e-06	0.0	7.01e-06
1290	104	-0.01	-0.05	-5.16e-03	3.68e-05	0.0	6.78e-06
1290	105	-0.02	-0.05	-5.16e-03	3.96e-05	0.0	7.81e-06
1290	106	-0.01	-0.01	-5.14e-03	6.54e-06	0.0	5.81e-06
1290	107	-0.02	-0.01	-5.14e-03	9.27e-06	0.0	6.84e-06
1290	111	-1.03	0.60	-0.15	-4.86e-04	0.0	1.02e-04
1290	114	-1.30	1.56	-0.12	-1.26e-03	0.0	5.93e-05
1290	129	0.69	-2.07	-0.02	1.67e-03	0.0	5.54e-05
1290	143	-1.16	0.67	-0.16	-5.49e-04	0.0	1.15e-04
1290	146	-1.47	1.76	-0.13	-1.42e-03	0.0	6.60e-05
1290	161	0.78	-2.33	-0.03	1.88e-03	0.0	6.11e-05
1290	175	-1.15	0.67	-0.16	-5.45e-04	0.0	1.14e-04
1290	178	-1.45	1.74	-0.13	-1.41e-03	0.0	6.61e-05
1290	193	0.78	-2.33	-0.03	1.87e-03	0.0	5.75e-05
1290	207	-1.35	0.79	-0.19	-6.42e-04	0.0	1.32e-04
1290	210	-1.70	2.03	-0.15	-1.65e-03	0.0	7.65e-05
1290	225	0.93	-2.74	-0.03	2.20e-03	0.0	6.41e-05
1291	4	-0.04	0.14	-4.31e-03	-1.22e-04	0.0	7.36e-06
1291	44	-0.03	-0.29	-4.32e-03	2.38e-04	0.0	1.74e-05
1291	68	-0.03	0.10	-3.31e-03	-8.06e-05	0.0	5.55e-06
1291	88	-0.02	-0.19	-3.32e-03	1.59e-04	0.0	1.22e-05
1291	98	-0.02	-0.01	-3.32e-03	8.45e-06	0.0	7.10e-06
1291	105	-0.02	-0.05	-3.32e-03	3.81e-05	0.0	7.91e-06
1291	107	-0.02	-0.01	-3.32e-03	8.02e-06	0.0	6.93e-06
1291	111	-1.03	0.64	-7.84e-03	-5.24e-04	0.0	1.02e-04
1291	114	-1.30	1.59	-6.88e-03	-1.30e-03	0.0	5.88e-05
1291	129	0.69	-2.05	-4.01e-03	1.66e-03	0.0	5.64e-05
1291	143	-1.16	0.73	-8.41e-03	-5.92e-04	0.0	1.14e-04
1291	146	-1.46	1.79	-7.33e-03	-1.46e-03	0.0	6.53e-05
1291	161	0.78	-2.31	-4.09e-03	1.87e-03	0.0	6.22e-05
1291	175	-1.15	0.72	-8.36e-03	-5.88e-04	0.0	1.14e-04
1291	178	-1.45	1.77	-7.29e-03	-1.44e-03	0.0	6.54e-05
1291	193	0.78	-2.31	-4.06e-03	1.87e-03	0.0	5.86e-05
1291	207	-1.35	0.85	-9.22e-03	-6.92e-04	0.0	1.32e-04
1291	210	-1.70	2.07	-7.96e-03	-1.69e-03	0.0	7.57e-05
1291	225	0.93	-2.71	-4.14e-03	2.20e-03	0.0	6.53e-05
1292	4	-0.02	0.05	-2.18e-03	-1.24e-04	0.0	3.10e-06
1292	44	-0.01	-0.09	-1.99e-03	2.32e-04	0.0	7.37e-06
1292	68	-0.02	0.03	-1.63e-03	-8.24e-05	0.0	2.33e-06
1292	88	-0.01	-0.06	-1.50e-03	1.55e-04	0.0	5.18e-06
1292	98	-0.01	-2.37e-03	-1.54e-03	6.17e-06	0.0	3.00e-06
1292	105	-0.01	-0.01	-1.51e-03	3.55e-05	0.0	3.34e-06
1292	107	-0.01	-2.22e-03	-1.52e-03	5.79e-06	0.0	2.92e-06
1292	114	-0.43	0.54	-3.58e-03	-1.36e-03	0.0	1.54e-05
1292	129	0.22	-0.68	-3.78e-04	1.69e-03	0.0	2.53e-05
1292	146	-0.48	0.61	-3.84e-03	-1.53e-03	0.0	1.69e-05
1292	161	0.25	-0.77	-2.33e-04	1.91e-03	0.0	2.80e-05
1292	178	-0.48	0.61	-3.83e-03	-1.51e-03	0.0	1.71e-05
1292	193	0.25	-0.77	-2.33e-04	1.91e-03	0.0	2.67e-05
1292	210	-0.56	0.71	-4.22e-03	-1.77e-03	0.0	1.96e-05
1292	225	0.29	-0.90	0.0	2.25e-03	0.0	3.01e-05
1293	1	0.0	0.0	0.0	-1.30e-04	0.0	0.0
1293	65	0.0	0.0	0.0	-8.66e-05	0.0	0.0
1293	97	0.0	0.0	0.0	3.43e-06	0.0	0.0
1293	106	0.0	0.0	0.0	3.43e-06	0.0	0.0
1293	108	0.0	0.0	0.0	5.90e-04	0.0	-2.52e-06
1293	140	0.0	0.0	0.0	6.65e-04	0.0	-2.91e-06
1293	172	0.0	0.0	0.0	6.60e-04	0.0	-2.88e-06
1293	204	0.0	0.0	0.0	7.74e-04	0.0	-3.47e-06
1294	4	-0.04	0.10	-3.86e-03	-1.23e-04	0.0	5.80e-06
1294	44	-0.02	-0.19	-3.51e-03	2.33e-04	0.0	1.36e-05
1294	68	-0.02	0.07	-2.88e-03	-8.20e-05	0.0	4.36e-06
1294	88	-0.02	-0.12	-2.65e-03	1.56e-04	0.0	9.58e-06
1294	98	-0.02	-4.84e-03	-2.70e-03	6.49e-06	0.0	5.58e-06
1294	105	-0.02	-0.03	-2.66e-03	3.58e-05	0.0	6.20e-06
1294	107	-0.02	-4.54e-03	-2.67e-03	6.10e-06	0.0	5.43e-06
1294	114	-0.87	1.09	-5.84e-03	-1.35e-03	0.0	3.39e-05
1294	129	0.45	-1.36	-9.91e-04	1.68e-03	0.0	4.71e-05
1294	146	-0.97	1.22	-6.24e-03	-1.52e-03	0.0	3.75e-05
1294	161	0.51	-1.53	-7.76e-04	1.89e-03	0.0	5.21e-05
1294	178	-0.96	1.21	-6.21e-03	-1.50e-03	0.0	3.77e-05
1294	193	0.51	-1.53	-7.69e-04	1.90e-03	0.0	4.95e-05
1294	210	-1.13	1.42	-6.82e-03	-1.75e-03	0.0	4.35e-05

1294	225	0.60	-1.80	-4.19e-04	2.23e-03	0.0	5.56e-05
1295	4	-0.04	0.15	-5.25e-03	-1.23e-04	0.0	7.78e-06
1295	44	-0.03	-0.28	-4.75e-03	2.34e-04	0.0	1.83e-05
1295	68	-0.03	0.10	-3.92e-03	-8.16e-05	0.0	5.86e-06
1295	88	-0.02	-0.19	-3.59e-03	1.56e-04	0.0	1.29e-05
1295	98	-0.02	-7.50e-03	-3.67e-03	6.97e-06	0.0	7.50e-06
1295	105	-0.02	-0.04	-3.60e-03	3.63e-05	0.0	8.35e-06
1295	107	-0.02	-7.04e-03	-3.62e-03	6.57e-06	0.0	7.31e-06
1295	114	-1.30	1.62	-7.36e-03	-1.33e-03	0.0	5.68e-05
1295	129	0.69	-2.03	-1.70e-03	1.66e-03	0.0	5.99e-05
1295	146	-1.46	1.83	-7.83e-03	-1.50e-03	0.0	6.31e-05
1295	161	0.78	-2.29	-1.45e-03	1.87e-03	0.0	6.61e-05
1295	178	-1.45	1.81	-7.80e-03	-1.48e-03	0.0	6.32e-05
1295	193	0.78	-2.29	-1.43e-03	1.88e-03	0.0	6.25e-05
1295	210	-1.70	2.11	-8.52e-03	-1.74e-03	0.0	7.31e-05
1295	225	0.92	-2.69	-1.02e-03	2.21e-03	0.0	6.99e-05
1296	4	-0.02	0.05	-4.73e-03	-1.27e-04	0.0	2.99e-06
1296	44	-0.01	-0.09	-3.71e-03	2.24e-04	0.0	8.26e-06
1296	68	-0.02	0.03	-3.40e-03	-8.49e-05	0.0	2.27e-06
1296	88	-0.01	-0.06	-2.73e-03	1.49e-04	0.0	5.79e-06
1296	98	-0.01	-8.60e-04	-2.89e-03	2.86e-06	0.0	3.17e-06
1296	105	-0.01	-0.01	-2.75e-03	3.18e-05	0.0	3.59e-06
1296	107	-0.01	-7.51e-04	-2.80e-03	2.57e-06	0.0	3.09e-06
1296	114	-0.43	0.55	-2.02e-03	-1.38e-03	0.0	1.24e-05
1296	124	-0.04	0.42	-4.99e-03	-1.04e-03	0.0	-3.57e-05
1296	129	0.22	-0.67	-1.22e-03	1.67e-03	0.0	3.02e-05
1296	146	-0.48	0.62	-1.92e-03	-1.55e-03	0.0	1.35e-05
1296	156	-0.04	0.47	-5.26e-03	-1.18e-03	0.0	-4.04e-05
1296	161	0.25	-0.76	-1.02e-03	1.89e-03	0.0	3.35e-05
1296	178	-0.48	0.62	-2.00e-03	-1.54e-03	0.0	1.37e-05
1296	188	-0.04	0.47	-5.21e-03	-1.17e-03	0.0	-3.94e-05
1296	193	0.25	-0.76	-1.01e-03	1.89e-03	0.0	3.22e-05
1296	210	-0.56	0.72	-1.90e-03	-1.80e-03	0.0	1.57e-05
1296	220	-0.04	0.55	-5.59e-03	-1.37e-03	0.0	-4.63e-05
1296	225	0.29	-0.89	-7.12e-04	2.22e-03	0.0	3.65e-05
1297	1	0.0	0.0	0.0	-1.32e-04	0.0	0.0
1297	65	0.0	0.0	0.0	-8.84e-05	0.0	0.0
1297	97	0.0	0.0	0.0	0.0	0.0	0.0
1297	106	0.0	0.0	0.0	0.0	0.0	0.0
1297	108	0.0	0.0	0.0	6.22e-04	0.0	-2.39e-06
1297	140	0.0	0.0	0.0	7.01e-04	0.0	-2.76e-06
1297	172	0.0	0.0	0.0	6.96e-04	0.0	-2.74e-06
1297	204	0.0	0.0	0.0	8.17e-04	0.0	-3.31e-06
1298	4	-0.04	0.10	-8.65e-03	-1.26e-04	0.0	6.04e-06
1298	44	-0.02	-0.18	-6.79e-03	2.26e-04	0.0	1.51e-05
1298	68	-0.03	0.07	-6.21e-03	-8.41e-05	0.0	4.56e-06
1298	88	-0.02	-0.12	-4.98e-03	1.51e-04	0.0	1.06e-05
1298	98	-0.02	-2.00e-03	-5.26e-03	3.80e-06	0.0	6.01e-06
1298	105	-0.02	-0.03	-5.00e-03	3.28e-05	0.0	6.73e-06
1298	107	-0.02	-1.77e-03	-5.09e-03	3.47e-06	0.0	5.85e-06
1298	114	-0.87	1.10	-3.85e-03	-1.37e-03	0.0	2.96e-05
1298	124	-0.07	0.84	-8.66e-03	-1.04e-03	0.0	-6.86e-05
1298	129	0.45	-1.34	-2.51e-03	1.67e-03	0.0	5.44e-05
1298	146	-0.97	1.24	-3.70e-03	-1.55e-03	0.0	3.26e-05
1298	156	-0.08	0.94	-9.11e-03	-1.17e-03	0.0	-7.78e-05
1298	161	0.51	-1.51	-2.19e-03	1.88e-03	0.0	6.02e-05
1298	178	-0.97	1.23	-3.83e-03	-1.53e-03	0.0	3.29e-05
1298	188	-0.08	0.94	-9.03e-03	-1.17e-03	0.0	-7.58e-05
1298	193	0.51	-1.51	-2.17e-03	1.88e-03	0.0	5.77e-05
1298	210	-1.13	1.44	-3.67e-03	-1.79e-03	0.0	3.78e-05
1298	220	-0.09	1.10	-9.65e-03	-1.37e-03	0.0	-8.90e-05
1298	225	0.60	-1.78	-1.68e-03	2.22e-03	0.0	6.51e-05
1299	4	-0.04	0.15	-0.01	-1.24e-04	0.0	8.50e-06
1299	44	-0.03	-0.27	-9.48e-03	2.29e-04	0.0	2.01e-05
1299	68	-0.03	0.10	-8.70e-03	-8.28e-05	0.0	6.39e-06
1299	88	-0.02	-0.18	-6.94e-03	1.53e-04	0.0	1.41e-05
1299	98	-0.02	-3.65e-03	-7.34e-03	5.25e-06	0.0	8.19e-06
1299	105	-0.02	-0.04	-6.97e-03	3.44e-05	0.0	9.11e-06
1299	107	-0.02	-3.29e-03	-7.10e-03	4.89e-06	0.0	7.98e-06
1299	114	-1.30	1.65	-5.55e-03	-1.37e-03	0.0	5.32e-05
1299	124	-0.11	1.25	-0.01	-1.03e-03	0.0	-9.35e-05
1299	129	0.69	-2.01	-3.80e-03	1.66e-03	0.0	6.66e-05
1299	146	-1.47	1.86	-5.36e-03	-1.54e-03	0.0	5.90e-05
1299	156	-0.13	1.41	-0.01	-1.17e-03	0.0	-1.06e-04
1299	161	0.78	-2.26	-3.38e-03	1.88e-03	0.0	7.35e-05

1299	178	-1.45	1.84	-5.52e-03	-1.52e-03	0.0	5.92e-05
1299	188	-0.12	1.41	-0.01	-1.16e-03	0.0	-1.03e-04
1299	193	0.78	-2.27	-3.37e-03	1.88e-03	0.0	6.98e-05
1299	210	-1.70	2.15	-5.33e-03	-1.78e-03	0.0	6.83e-05
1299	220	-0.14	1.65	-0.01	-1.36e-03	0.0	-1.21e-04
1299	225	0.92	-2.67	-2.74e-03	2.21e-03	0.0	7.83e-05
1300	4	-0.02	0.05	-0.02	-1.31e-04	0.0	2.39e-06
1300	15	-0.01	0.09	-0.01	-2.22e-04	0.0	0.0
1300	68	-0.02	0.04	-0.01	-8.76e-05	0.0	1.89e-06
1300	72	-9.96e-03	0.06	-8.09e-03	-1.48e-04	0.0	0.0
1300	98	-0.01	7.57e-04	-9.72e-03	0.0	0.0	3.24e-06
1300	102	-8.17e-03	0.01	-6.93e-03	-3.14e-05	0.0	2.13e-06
1300	106	-7.72e-03	1.23e-03	-6.64e-03	-2.15e-06	0.0	2.69e-06
1300	107	-0.01	8.24e-04	-9.28e-03	0.0	0.0	3.16e-06
1300	114	-0.43	0.56	-7.77e-03	-1.40e-03	0.0	7.66e-06
1300	124	-0.04	0.40	-0.01	-1.01e-03	0.0	-4.17e-05
1300	130	-0.24	0.66	-0.01	-1.65e-03	0.0	-3.21e-05
1300	146	-0.49	0.63	-7.58e-03	-1.58e-03	0.0	8.25e-06
1300	156	-0.04	0.45	-0.01	-1.14e-03	0.0	-4.73e-05
1300	162	-0.27	0.74	-0.01	-1.86e-03	0.0	-3.64e-05
1300	178	-0.48	0.62	-7.71e-03	-1.56e-03	0.0	8.46e-06
1300	188	-0.04	0.45	-0.01	-1.13e-03	0.0	-4.62e-05
1300	194	-0.27	0.74	-0.01	-1.86e-03	0.0	-3.51e-05
1300	210	-0.56	0.73	-7.51e-03	-1.82e-03	0.0	9.54e-06
1300	220	-0.04	0.53	-0.01	-1.33e-03	0.0	-5.42e-05
1300	226	-0.32	0.87	-0.01	-2.19e-03	0.0	-4.10e-05
1301	1	0.0	0.0	0.0	-1.34e-04	0.0	0.0
1301	65	0.0	0.0	0.0	-9.00e-05	0.0	0.0
1301	97	0.0	0.0	0.0	-2.56e-06	0.0	0.0
1301	106	0.0	0.0	0.0	-2.56e-06	0.0	0.0
1301	108	0.0	0.0	0.0	6.53e-04	0.0	-2.23e-06
1301	140	0.0	0.0	0.0	7.36e-04	0.0	-2.59e-06
1301	172	0.0	0.0	0.0	7.31e-04	0.0	-2.56e-06
1301	204	0.0	0.0	0.0	8.58e-04	0.0	-3.10e-06
1302	4	-0.04	0.11	-0.03	-1.30e-04	0.0	6.19e-06
1302	15	-0.02	0.18	-0.02	-2.22e-04	0.0	0.0
1302	68	-0.03	0.07	-0.02	-8.66e-05	0.0	4.69e-06
1302	72	-0.02	0.12	-0.01	-1.48e-04	0.0	1.07e-06
1302	98	-0.02	1.13e-03	-0.02	0.0	0.0	6.51e-06
1302	102	-0.01	0.03	-0.01	-3.04e-05	0.0	4.45e-06
1302	106	-0.01	2.14e-03	-0.01	0.0	0.0	5.29e-06
1302	107	-0.02	1.27e-03	-0.02	0.0	0.0	6.33e-06
1302	114	-0.87	1.12	-0.01	-1.40e-03	0.0	2.41e-05
1302	124	-0.07	0.81	-0.03	-1.01e-03	0.0	-7.44e-05
1302	130	-0.48	1.32	-0.02	-1.65e-03	0.0	-5.11e-05
1302	146	-0.97	1.26	-0.01	-1.58e-03	0.0	2.64e-05
1302	156	-0.08	0.91	-0.03	-1.14e-03	0.0	-8.43e-05
1302	162	-0.54	1.48	-0.03	-1.86e-03	0.0	-5.80e-05
1302	178	-0.97	1.25	-0.01	-1.56e-03	0.0	2.67e-05
1302	188	-0.08	0.91	-0.03	-1.14e-03	0.0	-8.23e-05
1302	194	-0.54	1.49	-0.03	-1.87e-03	0.0	-5.54e-05
1302	210	-1.13	1.46	-0.01	-1.83e-03	0.0	3.05e-05
1302	220	-0.09	1.06	-0.03	-1.33e-03	0.0	-9.67e-05
1302	226	-0.64	1.75	-0.03	-2.20e-03	0.0	-6.45e-05
1303	4	-0.04	0.16	-0.04	-1.27e-04	0.0	9.29e-06
1303	15	-0.02	0.27	-0.03	-2.21e-04	0.0	2.30e-06
1303	68	-0.03	0.11	-0.03	-8.46e-05	0.0	6.98e-06
1303	72	-0.02	0.18	-0.02	-1.47e-04	0.0	2.32e-06
1303	98	-0.02	6.56e-04	-0.02	3.16e-06	0.0	8.94e-06
1303	102	-0.01	0.04	-0.02	-2.88e-05	0.0	6.27e-06
1303	106	-0.01	2.38e-03	-0.02	0.0	0.0	7.26e-06
1303	107	-0.02	9.03e-04	-0.02	2.84e-06	0.0	8.70e-06
1303	114	-1.30	1.68	-0.02	-1.41e-03	0.0	4.90e-05
1303	124	-0.11	1.21	-0.04	-1.02e-03	0.0	-9.78e-05
1303	130	-0.73	1.98	-0.04	-1.66e-03	0.0	-5.70e-05
1303	146	-1.47	1.89	-0.02	-1.58e-03	0.0	5.41e-05
1303	156	-0.13	1.37	-0.04	-1.15e-03	0.0	-1.11e-04
1303	162	-0.82	2.23	-0.04	-1.87e-03	0.0	-6.48e-05
1303	178	-1.45	1.87	-0.02	-1.57e-03	0.0	5.44e-05
1303	188	-0.12	1.36	-0.04	-1.14e-03	0.0	-1.08e-04
1303	194	-0.82	2.24	-0.04	-1.88e-03	0.0	-6.11e-05
1303	210	-1.70	2.19	-0.02	-1.83e-03	0.0	6.26e-05
1303	220	-0.14	1.60	-0.05	-1.34e-03	0.0	-1.27e-04
1303	226	-0.97	2.64	-0.04	-2.21e-03	0.0	-7.09e-05
1304	4	-0.02	0.05	-0.07	-1.34e-04	0.0	1.28e-06

1304	15	-0.01	0.09	-0.05	-2.22e-04	0.0	-2.00e-06
1304	68	-0.02	0.04	-0.05	-9.01e-05	0.0	1.14e-06
1304	72	-0.01	0.06	-0.03	-1.49e-04	0.0	-1.04e-06
1304	98	-0.01	2.27e-03	-0.04	-4.27e-06	0.0	3.08e-06
1304	102	-8.28e-03	0.01	-0.03	-3.38e-05	0.0	1.90e-06
1304	103	-0.01	0.01	-0.04	-3.31e-05	0.0	2.28e-06
1304	106	-7.82e-03	2.53e-03	-0.02	-5.02e-06	0.0	2.64e-06
1304	107	-0.01	2.31e-03	-0.04	-4.38e-06	0.0	3.02e-06
1304	114	-0.43	0.56	-0.01	-1.41e-03	0.0	4.99e-06
1304	124	-0.04	0.38	-0.11	-9.72e-04	0.0	-4.58e-05
1304	130	-0.24	0.64	-0.09	-1.62e-03	0.0	-3.73e-05
1304	146	-0.49	0.63	-7.45e-03	-1.59e-03	0.0	5.26e-06
1304	156	-0.04	0.43	-0.12	-1.09e-03	0.0	-5.18e-05
1304	162	-0.27	0.72	-0.10	-1.83e-03	0.0	-4.22e-05
1304	178	-0.48	0.62	-9.90e-03	-1.58e-03	0.0	5.44e-06
1304	188	-0.04	0.43	-0.12	-1.09e-03	0.0	-5.07e-05
1304	194	-0.27	0.72	-0.10	-1.84e-03	0.0	-4.09e-05
1304	210	-0.56	0.73	-6.93e-03	-1.84e-03	0.0	6.02e-06
1304	220	-0.04	0.50	-0.13	-1.28e-03	0.0	-5.94e-05
1304	226	-0.32	0.85	-0.11	-2.16e-03	0.0	-4.77e-05
1305	1	0.0	0.0	0.0	-1.36e-04	0.0	0.0
1305	65	0.0	0.0	0.0	-9.11e-05	0.0	0.0
1305	97	0.0	0.0	0.0	-5.47e-06	0.0	0.0
1305	106	0.0	0.0	0.0	-5.47e-06	0.0	0.0
1305	108	0.0	0.0	0.0	6.78e-04	0.0	-2.18e-06
1305	140	0.0	0.0	0.0	7.64e-04	0.0	-2.52e-06
1305	172	0.0	0.0	0.0	7.59e-04	0.0	-2.49e-06
1305	204	0.0	0.0	0.0	8.92e-04	0.0	-3.01e-06
1306	4	-0.04	0.11	-0.12	-1.33e-04	0.0	6.35e-06
1306	15	-0.02	0.18	-0.08	-2.23e-04	0.0	0.0
1306	68	-0.03	0.07	-0.09	-8.93e-05	0.0	4.84e-06
1306	72	-0.02	0.12	-0.06	-1.49e-04	0.0	0.0
1306	98	-0.02	4.64e-03	-0.06	-2.39e-06	0.0	6.93e-06
1306	102	-0.01	0.03	-0.05	-3.27e-05	0.0	4.66e-06
1306	103	-0.02	0.03	-0.06	-3.17e-05	0.0	5.78e-06
1306	106	-0.01	4.98e-03	-0.04	-3.48e-06	0.0	5.62e-06
1306	107	-0.02	4.69e-03	-0.06	-2.55e-06	0.0	6.74e-06
1306	114	-0.87	1.13	-0.02	-1.43e-03	0.0	2.15e-05
1306	124	-0.07	0.77	-0.19	-9.88e-04	0.0	-7.72e-05
1306	130	-0.48	1.29	-0.16	-1.65e-03	0.0	-5.52e-05
1306	146	-0.97	1.27	-0.01	-1.61e-03	0.0	2.34e-05
1306	156	-0.08	0.87	-0.21	-1.11e-03	0.0	-8.75e-05
1306	162	-0.54	1.46	-0.17	-1.86e-03	0.0	-6.27e-05
1306	178	-0.97	1.26	-0.02	-1.59e-03	0.0	2.37e-05
1306	188	-0.08	0.87	-0.21	-1.11e-03	0.0	-8.54e-05
1306	194	-0.54	1.46	-0.17	-1.86e-03	0.0	-6.00e-05
1306	210	-1.13	1.47	-0.01	-1.86e-03	0.0	2.70e-05
1306	220	-0.09	1.02	-0.23	-1.30e-03	0.0	-1.00e-04
1306	226	-0.64	1.72	-0.19	-2.20e-03	0.0	-7.00e-05
1307	4	-0.04	0.16	-0.17	-1.30e-04	0.0	9.84e-06
1307	15	-0.02	0.27	-0.11	-2.23e-04	0.0	2.36e-06
1307	68	-0.03	0.11	-0.12	-8.67e-05	0.0	7.38e-06
1307	72	-0.02	0.18	-0.08	-1.49e-04	0.0	2.39e-06
1307	98	-0.02	5.45e-03	-0.09	0.0	0.0	9.44e-06
1307	102	-0.01	0.04	-0.06	-3.04e-05	0.0	6.57e-06
1307	106	-0.01	6.25e-03	-0.06	0.0	0.0	7.61e-06
1307	107	-0.02	5.57e-03	-0.08	0.0	0.0	9.18e-06
1307	114	-1.30	1.71	-0.03	-1.44e-03	0.0	4.71e-05
1307	124	-0.11	1.17	-0.26	-1.00e-03	0.0	-9.97e-05
1307	130	-0.73	1.96	-0.21	-1.67e-03	0.0	-5.99e-05
1307	146	-1.47	1.92	-0.02	-1.63e-03	0.0	5.19e-05
1307	156	-0.13	1.32	-0.28	-1.13e-03	0.0	-1.13e-04
1307	162	-0.82	2.21	-0.23	-1.88e-03	0.0	-6.82e-05
1307	178	-1.45	1.90	-0.02	-1.61e-03	0.0	5.23e-05
1307	188	-0.12	1.32	-0.28	-1.13e-03	0.0	-1.10e-04
1307	194	-0.82	2.21	-0.23	-1.89e-03	0.0	-6.44e-05
1307	210	-1.70	2.22	-0.02	-1.88e-03	0.0	6.00e-05
1307	220	-0.14	1.54	-0.31	-1.32e-03	0.0	-1.30e-04
1307	226	-0.97	2.61	-0.26	-2.22e-03	0.0	-7.49e-05
1308	4	-0.04	0.20	-7.34e-03	-1.23e-04	0.0	7.81e-06
1308	41	-0.01	-0.39	-8.75e-03	2.33e-04	0.0	1.76e-05
1308	44	-0.03	-0.40	-8.11e-03	2.38e-04	0.0	1.99e-05
1308	68	-0.03	0.13	-5.79e-03	-8.15e-05	0.0	5.94e-06
1308	85	-0.01	-0.26	-6.73e-03	1.56e-04	0.0	1.25e-05
1308	88	-0.02	-0.27	-6.30e-03	1.59e-04	0.0	1.40e-05

1308	98	-0.02	-0.02	-6.14e-03	7.87e-06	0.0	7.88e-06
1308	104	-0.01	-0.06	-6.56e-03	3.52e-05	0.0	7.78e-06
1308	105	-0.02	-0.07	-6.24e-03	3.76e-05	0.0	8.88e-06
1308	106	-0.01	-0.01	-6.51e-03	5.07e-06	0.0	6.61e-06
1308	107	-0.02	-0.02	-6.20e-03	7.47e-06	0.0	7.70e-06
1308	111	-1.41	0.81	-0.16	-4.72e-04	0.0	1.44e-04
1308	114	-1.79	2.12	-0.12	-1.23e-03	0.0	9.05e-05
1308	129	0.97	-2.81	-0.03	1.61e-03	0.0	6.07e-05
1308	143	-1.59	0.92	-0.18	-5.33e-04	0.0	1.61e-04
1308	146	-2.01	2.39	-0.14	-1.38e-03	0.0	1.01e-04
1308	161	1.09	-3.16	-0.03	1.81e-03	0.0	6.68e-05
1308	175	-1.58	0.91	-0.17	-5.30e-04	0.0	1.60e-04
1308	178	-1.99	2.36	-0.14	-1.37e-03	0.0	1.01e-04
1308	193	1.09	-3.16	-0.03	1.81e-03	0.0	6.22e-05
1308	207	-1.84	1.07	-0.20	-6.25e-04	0.0	1.86e-04
1308	210	-2.33	2.76	-0.16	-1.60e-03	0.0	1.17e-04
1308	225	1.29	-3.71	-0.03	2.13e-03	0.0	6.88e-05
1309	4	-0.04	0.20	-5.25e-03	-1.23e-04	0.0	7.94e-06
1309	41	-0.01	-0.39	-5.32e-03	2.32e-04	0.0	1.78e-05
1309	44	-0.03	-0.39	-5.29e-03	2.37e-04	0.0	2.01e-05
1309	68	-0.03	0.13	-4.05e-03	-8.13e-05	0.0	6.03e-06
1309	85	-0.01	-0.26	-4.10e-03	1.55e-04	0.0	1.26e-05
1309	88	-0.02	-0.26	-4.07e-03	1.58e-04	0.0	1.41e-05
1309	98	-0.02	-0.01	-4.06e-03	7.77e-06	0.0	7.99e-06
1309	104	-0.01	-0.06	-4.09e-03	3.49e-05	0.0	7.87e-06
1309	105	-0.02	-0.06	-4.07e-03	3.73e-05	0.0	8.99e-06
1309	106	-0.01	-9.58e-03	-4.08e-03	4.90e-06	0.0	6.69e-06
1309	107	-0.02	-0.01	-4.07e-03	7.36e-06	0.0	7.80e-06
1309	111	-1.42	0.88	-0.02	-5.13e-04	0.0	1.44e-04
1309	114	-1.79	2.17	-0.01	-1.27e-03	0.0	9.05e-05
1309	129	0.97	-2.79	-5.71e-03	1.62e-03	0.0	6.08e-05
1309	143	-1.59	0.99	-0.02	-5.79e-04	0.0	1.61e-04
1309	146	-2.02	2.45	-0.01	-1.43e-03	0.0	1.01e-04
1309	161	1.10	-3.14	-5.91e-03	1.82e-03	0.0	6.70e-05
1309	178	-2.00	2.42	-0.01	-1.41e-03	0.0	1.01e-04
1309	179	-1.57	1.09	-0.02	-6.33e-04	0.0	1.62e-04
1309	193	1.10	-3.14	-5.83e-03	1.83e-03	0.0	6.24e-05
1309	210	-2.34	2.83	-0.02	-1.65e-03	0.0	1.17e-04
1309	211	-1.84	1.29	-0.02	-7.50e-04	0.0	1.89e-04
1309	225	1.30	-3.70	-6.03e-03	2.15e-03	0.0	6.90e-05
1310	4	-0.02	0.25	-9.46e-03	-1.26e-04	0.0	6.83e-06
1310	41	-8.23e-03	-0.50	-0.01	2.30e-04	0.0	1.80e-05
1310	44	-0.02	-0.51	-0.01	2.34e-04	0.0	2.00e-05
1310	68	-0.02	0.17	-7.50e-03	-8.36e-05	0.0	5.27e-06
1310	85	-6.02e-03	-0.33	-8.86e-03	1.53e-04	0.0	1.27e-05
1310	88	-0.01	-0.34	-8.16e-03	1.56e-04	0.0	1.40e-05
1310	98	-0.01	-0.02	-8.01e-03	5.77e-06	0.0	7.51e-06
1310	104	-6.94e-03	-0.08	-8.67e-03	3.34e-05	0.0	7.67e-06
1310	105	-0.01	-0.08	-8.14e-03	3.54e-05	0.0	8.62e-06
1310	106	-7.17e-03	-0.01	-8.62e-03	3.40e-06	0.0	6.41e-06
1310	107	-0.01	-0.02	-8.09e-03	5.43e-06	0.0	7.36e-06
1310	111	-1.83	1.02	-0.14	-4.55e-04	0.0	1.87e-04
1310	114	-2.32	2.67	-0.12	-1.18e-03	0.0	1.27e-04
1310	129	1.29	-3.52	-0.03	1.54e-03	0.0	5.73e-05
1310	143	-2.06	1.15	-0.16	-5.13e-04	0.0	2.10e-04
1310	146	-2.61	3.00	-0.13	-1.33e-03	0.0	1.42e-04
1310	161	1.46	-3.96	-0.03	1.73e-03	0.0	6.30e-05
1310	175	-2.04	1.14	-0.16	-5.11e-04	0.0	2.09e-04
1310	178	-2.59	2.97	-0.13	-1.32e-03	0.0	1.42e-04
1310	193	1.45	-3.96	-0.03	1.74e-03	0.0	5.77e-05
1310	207	-2.39	1.35	-0.19	-6.02e-04	0.0	2.44e-04
1310	210	-3.03	3.47	-0.15	-1.54e-03	0.0	1.65e-04
1310	225	1.72	-4.66	-0.03	2.04e-03	0.0	6.30e-05
1311	4	-0.03	0.26	-6.16e-03	-1.24e-04	0.0	6.74e-06
1311	41	-0.01	-0.49	-6.25e-03	2.31e-04	0.0	1.81e-05
1311	44	-0.02	-0.50	-6.20e-03	2.35e-04	0.0	2.00e-05
1311	68	-0.02	0.17	-4.75e-03	-8.20e-05	0.0	5.20e-06
1311	85	-7.75e-03	-0.33	-4.81e-03	1.54e-04	0.0	1.28e-05
1311	88	-0.01	-0.33	-4.78e-03	1.57e-04	0.0	1.40e-05
1311	98	-0.02	-0.02	-4.77e-03	7.06e-06	0.0	7.49e-06
1311	104	-8.80e-03	-0.07	-4.80e-03	3.43e-05	0.0	7.67e-06
1311	105	-0.01	-0.08	-4.78e-03	3.66e-05	0.0	8.61e-06
1311	106	-9.06e-03	-0.01	-4.80e-03	4.34e-06	0.0	6.39e-06
1311	107	-0.01	-0.02	-4.78e-03	6.67e-06	0.0	7.33e-06
1311	114	-2.30	2.73	-0.02	-1.23e-03	0.0	1.30e-04

1311	115	-1.81	1.21	-0.03	-5.40e-04	0.0	1.91e-04
1311	129	1.27	-3.51	-7.86e-03	1.57e-03	0.0	5.40e-05
1311	146	-2.59	3.08	-0.02	-1.39e-03	0.0	1.45e-04
1311	147	-2.03	1.36	-0.03	-6.10e-04	0.0	2.14e-04
1311	161	1.44	-3.95	-8.23e-03	1.77e-03	0.0	5.93e-05
1311	178	-2.56	3.05	-0.02	-1.37e-03	0.0	1.45e-04
1311	179	-2.02	1.37	-0.03	-6.14e-04	0.0	2.14e-04
1311	193	1.43	-3.95	-8.08e-03	1.77e-03	0.0	5.42e-05
1311	210	-3.00	3.56	-0.03	-1.61e-03	0.0	1.69e-04
1311	211	-2.36	1.63	-0.03	-7.28e-04	0.0	2.51e-04
1311	225	1.69	-4.65	-8.46e-03	2.08e-03	0.0	5.90e-05
1312	4	-0.04	0.20	-6.54e-03	-1.22e-04	0.0	8.59e-06
1312	44	-0.03	-0.38	-5.90e-03	2.35e-04	0.0	2.11e-05
1312	68	-0.03	0.14	-4.88e-03	-8.10e-05	0.0	6.50e-06
1312	88	-0.02	-0.26	-4.45e-03	1.57e-04	0.0	1.49e-05
1312	98	-0.02	-0.01	-4.55e-03	7.63e-06	0.0	8.50e-06
1312	105	-0.02	-0.06	-4.45e-03	3.70e-05	0.0	9.53e-06
1312	107	-0.02	-0.01	-4.49e-03	7.21e-06	0.0	8.30e-06
1312	114	-1.80	2.22	-8.38e-03	-1.31e-03	0.0	9.02e-05
1312	129	0.97	-2.77	-2.55e-03	1.64e-03	0.0	6.21e-05
1312	146	-2.02	2.50	-8.87e-03	-1.48e-03	0.0	1.01e-04
1312	161	1.10	-3.12	-2.30e-03	1.84e-03	0.0	6.84e-05
1312	178	-2.00	2.47	-8.84e-03	-1.46e-03	0.0	1.01e-04
1312	193	1.10	-3.13	-2.27e-03	1.85e-03	0.0	6.38e-05
1312	210	-2.34	2.89	-9.60e-03	-1.71e-03	0.0	1.17e-04
1312	225	1.30	-3.68	-1.85e-03	2.17e-03	0.0	7.06e-05
1313	4	-0.03	0.26	-7.55e-03	-1.21e-04	0.0	7.46e-06
1313	44	-0.02	-0.49	-6.78e-03	2.37e-04	0.0	2.10e-05
1313	68	-0.02	0.17	-5.62e-03	-8.04e-05	0.0	5.73e-06
1313	88	-0.02	-0.33	-5.11e-03	1.58e-04	0.0	1.48e-05
1313	98	-0.02	-0.01	-5.23e-03	8.29e-06	0.0	8.03e-06
1313	105	-0.02	-0.08	-5.12e-03	3.77e-05	0.0	9.17e-06
1313	107	-0.02	-0.01	-5.16e-03	7.85e-06	0.0	7.86e-06
1313	114	-2.28	2.80	-8.45e-03	-1.29e-03	0.0	1.33e-04
1313	129	1.26	-3.50	-3.59e-03	1.61e-03	0.0	5.10e-05
1313	146	-2.57	3.16	-8.86e-03	-1.45e-03	0.0	1.49e-04
1313	161	1.42	-3.95	-3.38e-03	1.81e-03	0.0	5.59e-05
1313	178	-2.55	3.13	-8.84e-03	-1.44e-03	0.0	1.48e-04
1313	193	1.42	-3.95	-3.35e-03	1.81e-03	0.0	5.09e-05
1313	210	-2.98	3.66	-9.48e-03	-1.68e-03	0.0	1.73e-04
1313	225	1.68	-4.65	-3.00e-03	2.13e-03	0.0	5.52e-05
1314	4	-0.04	0.21	-0.02	-1.22e-04	0.0	9.89e-06
1314	44	-0.03	-0.37	-0.01	2.34e-04	0.0	2.31e-05
1314	68	-0.03	0.14	-0.01	-8.09e-05	0.0	7.44e-06
1314	88	-0.02	-0.25	-8.80e-03	1.56e-04	0.0	1.62e-05
1314	98	-0.02	-6.38e-03	-9.31e-03	7.34e-06	0.0	9.47e-06
1314	105	-0.02	-0.05	-8.83e-03	3.66e-05	0.0	1.05e-05
1314	107	-0.02	-5.84e-03	-9.00e-03	6.91e-06	0.0	9.23e-06
1314	114	-1.80	2.27	-7.22e-03	-1.36e-03	0.0	8.87e-05
1314	124	-0.16	1.72	-0.01	-1.03e-03	0.0	-1.14e-04
1314	129	0.97	-2.75	-5.10e-03	1.66e-03	0.0	6.62e-05
1314	146	-2.02	2.55	-6.99e-03	-1.53e-03	0.0	9.88e-05
1314	156	-0.18	1.93	-0.02	-1.16e-03	0.0	-1.30e-04
1314	161	1.10	-3.10	-4.60e-03	1.87e-03	0.0	7.29e-05
1314	178	-2.00	2.53	-7.17e-03	-1.51e-03	0.0	9.87e-05
1314	188	-0.17	1.93	-0.01	-1.15e-03	0.0	-1.26e-04
1314	193	1.10	-3.11	-4.59e-03	1.87e-03	0.0	6.83e-05
1314	210	-2.34	2.95	-6.95e-03	-1.77e-03	0.0	1.14e-04
1314	220	-0.20	2.26	-0.02	-1.35e-03	0.0	-1.49e-04
1314	225	1.30	-3.66	-3.85e-03	2.20e-03	0.0	7.57e-05
1315	4	-0.03	0.26	-0.02	-1.19e-04	0.0	9.18e-06
1315	44	-0.02	-0.48	-0.01	2.38e-04	0.0	2.31e-05
1315	68	-0.02	0.17	-0.01	-7.88e-05	0.0	6.98e-06
1315	88	-0.02	-0.32	-0.01	1.59e-04	0.0	1.62e-05
1315	98	-0.02	-0.01	-0.01	9.56e-06	0.0	9.21e-06
1315	105	-0.02	-0.07	-0.01	3.89e-05	0.0	1.04e-05
1315	107	-0.02	-9.47e-03	-0.01	9.07e-06	0.0	9.01e-06
1315	114	-2.27	2.88	-8.57e-03	-1.35e-03	0.0	1.33e-04
1315	124	-0.20	2.18	-0.02	-1.01e-03	0.0	-1.30e-04
1315	129	1.25	-3.50	-6.21e-03	1.64e-03	0.0	5.29e-05
1315	146	-2.56	3.24	-8.33e-03	-1.52e-03	0.0	1.49e-04
1315	156	-0.22	2.45	-0.02	-1.14e-03	0.0	-1.47e-04
1315	161	1.42	-3.94	-5.67e-03	1.85e-03	0.0	5.79e-05
1315	178	-2.53	3.21	-8.51e-03	-1.50e-03	0.0	1.48e-04
1315	188	-0.22	2.44	-0.02	-1.14e-03	0.0	-1.44e-04

1315	193	1.41	-3.95	-5.67e-03	1.86e-03	0.0	5.30e-05
1315	210	-2.96	3.75	-8.27e-03	-1.76e-03	0.0	1.72e-04
1315	220	-0.25	2.86	-0.02	-1.33e-03	0.0	-1.70e-04
1315	225	1.67	-4.65	-4.87e-03	2.18e-03	0.0	5.74e-05
1316	4	-0.04	0.21	-0.06	-1.22e-04	0.0	1.14e-05
1316	19	-0.02	0.37	-0.03	-2.21e-04	0.0	0.0
1316	68	-0.03	0.14	-0.04	-8.13e-05	0.0	8.54e-06
1316	72	-0.02	0.24	-0.03	-1.46e-04	0.0	3.38e-06
1316	98	-0.02	-1.33e-03	-0.03	6.75e-06	0.0	1.05e-05
1316	102	-0.01	0.05	-0.02	-2.62e-05	0.0	7.57e-06
1316	106	-0.01	1.53e-03	-0.02	3.72e-06	0.0	8.61e-06
1316	107	-0.02	-9.24e-04	-0.03	6.32e-06	0.0	1.03e-05
1316	114	-1.80	2.31	-0.02	-1.41e-03	0.0	8.63e-05
1316	124	-0.16	1.67	-0.06	-1.02e-03	0.0	-1.17e-04
1316	129	0.97	-2.73	-0.01	1.68e-03	0.0	7.21e-05
1316	146	-2.02	2.61	-0.02	-1.59e-03	0.0	9.60e-05
1316	156	-0.18	1.88	-0.06	-1.15e-03	0.0	-1.32e-04
1316	161	1.10	-3.08	-8.62e-03	1.89e-03	0.0	7.94e-05
1316	178	-2.00	2.58	-0.02	-1.57e-03	0.0	9.60e-05
1316	188	-0.17	1.88	-0.06	-1.15e-03	0.0	-1.29e-04
1316	193	1.10	-3.09	-8.50e-03	1.90e-03	0.0	7.47e-05
1316	210	-2.34	3.02	-0.02	-1.84e-03	0.0	1.11e-04
1316	220	-0.20	2.20	-0.06	-1.34e-03	0.0	-1.52e-04
1316	225	1.30	-3.64	-4.80e-03	2.23e-03	0.0	8.29e-05
1317	4	-0.03	0.27	-0.07	-1.17e-04	0.0	1.14e-05
1317	44	-0.03	-0.47	-0.05	2.40e-04	0.0	2.55e-05
1317	68	-0.02	0.18	-0.05	-7.73e-05	0.0	8.58e-06
1317	88	-0.02	-0.31	-0.03	1.61e-04	0.0	1.80e-05
1317	98	-0.02	-5.22e-03	-0.04	1.08e-05	0.0	1.07e-05
1317	105	-0.02	-0.07	-0.03	4.01e-05	0.0	1.18e-05
1317	107	-0.02	-4.59e-03	-0.04	1.03e-05	0.0	1.04e-05
1317	114	-2.27	2.95	-0.02	-1.41e-03	0.0	1.32e-04
1317	124	-0.20	2.13	-0.07	-1.02e-03	0.0	-1.31e-04
1317	129	1.25	-3.49	-0.01	1.68e-03	0.0	5.72e-05
1317	146	-2.55	3.32	-0.02	-1.59e-03	0.0	1.47e-04
1317	156	-0.22	2.40	-0.07	-1.15e-03	0.0	-1.48e-04
1317	161	1.41	-3.93	-7.22e-03	1.90e-03	0.0	6.26e-05
1317	178	-2.53	3.29	-0.02	-1.57e-03	0.0	1.47e-04
1317	188	-0.22	2.39	-0.07	-1.14e-03	0.0	-1.45e-04
1317	193	1.41	-3.94	-7.08e-03	1.90e-03	0.0	5.76e-05
1317	210	-2.96	3.84	-0.02	-1.84e-03	0.0	1.71e-04
1317	220	-0.25	2.80	-0.08	-1.34e-03	0.0	-1.70e-04
1317	225	1.67	-4.64	-2.23e-03	2.24e-03	0.0	6.25e-05
1318	4	-0.04	0.22	-0.22	-1.23e-04	0.0	1.24e-05
1318	15	-0.02	0.37	-0.14	-2.20e-04	0.0	4.19e-06
1318	68	-0.03	0.15	-0.15	-8.21e-05	0.0	9.28e-06
1318	72	-0.02	0.25	-0.10	-1.47e-04	0.0	3.77e-06
1318	98	-0.02	4.39e-03	-0.12	5.87e-06	0.0	1.12e-05
1318	102	-0.01	0.05	-0.08	-2.70e-05	0.0	8.03e-06
1318	106	-0.01	6.16e-03	-0.08	2.89e-06	0.0	9.09e-06
1318	107	-0.02	4.64e-03	-0.11	5.44e-06	0.0	1.09e-05
1318	114	-1.80	2.36	-0.04	-1.45e-03	0.0	8.53e-05
1318	124	-0.16	1.63	-0.32	-1.01e-03	0.0	-1.18e-04
1318	130	-1.02	2.72	-0.27	-1.69e-03	0.0	-5.34e-05
1318	146	-2.02	2.66	-0.03	-1.64e-03	0.0	9.48e-05
1318	156	-0.18	1.83	-0.35	-1.14e-03	0.0	-1.34e-04
1318	162	-1.14	3.06	-0.29	-1.90e-03	0.0	-6.10e-05
1318	178	-2.00	2.63	-0.04	-1.62e-03	0.0	9.48e-05
1318	188	-0.17	1.83	-0.35	-1.14e-03	0.0	-1.30e-04
1318	194	-1.14	3.07	-0.29	-1.91e-03	0.0	-5.62e-05
1318	210	-2.34	3.08	-0.03	-1.90e-03	0.0	1.10e-04
1318	220	-0.20	2.14	-0.38	-1.34e-03	0.0	-1.53e-04
1318	226	-1.34	3.62	-0.32	-2.25e-03	0.0	-6.49e-05
1319	4	-0.04	0.27	-0.28	-1.15e-04	0.0	1.32e-05
1319	15	-0.02	0.47	-0.17	-2.16e-04	0.0	5.08e-06
1319	68	-0.02	0.18	-0.19	-7.62e-05	0.0	9.83e-06
1319	72	-0.01	0.31	-0.12	-1.43e-04	0.0	4.44e-06
1319	98	-0.02	8.40e-04	-0.15	1.17e-05	0.0	1.18e-05
1319	102	-0.01	0.07	-0.10	-2.27e-05	0.0	8.64e-06
1319	106	-0.01	4.19e-03	-0.10	7.41e-06	0.0	9.69e-06
1319	107	-0.02	1.32e-03	-0.14	1.11e-05	0.0	1.15e-05
1319	114	-2.26	3.02	-0.06	-1.46e-03	0.0	1.32e-04
1319	124	-0.20	2.09	-0.38	-1.02e-03	0.0	-1.31e-04
1319	130	-1.28	3.48	-0.31	-1.70e-03	0.0	-3.70e-05
1319	146	-2.55	3.40	-0.05	-1.65e-03	0.0	1.47e-04

1319	156	-0.22	2.35	-0.41	-1.15e-03	0.0	-1.48e-04
1319	162	-1.45	3.92	-0.33	-1.92e-03	0.0	-4.26e-05
1319	178	-2.53	3.37	-0.06	-1.63e-03	0.0	1.47e-04
1319	188	-0.22	2.34	-0.40	-1.15e-03	0.0	-1.45e-04
1319	194	-1.44	3.94	-0.33	-1.92e-03	0.0	-3.75e-05
1319	210	-2.95	3.94	-0.05	-1.91e-03	0.0	1.70e-04
1319	220	-0.25	2.75	-0.44	-1.35e-03	0.0	-1.71e-04
1319	226	-1.70	4.64	-0.37	-2.27e-03	0.0	-4.27e-05
1320	4	-0.01	0.31	-0.01	-1.28e-04	0.0	3.09e-06
1320	41	-5.47e-03	-0.60	-0.01	2.27e-04	0.0	1.57e-05
1320	44	-0.01	-0.61	-0.01	2.31e-04	0.0	1.67e-05
1320	68	-9.45e-03	0.20	-8.14e-03	-8.54e-05	0.0	2.60e-06
1320	85	-4.01e-03	-0.40	-9.73e-03	1.52e-04	0.0	1.10e-05
1320	88	-7.42e-03	-0.41	-8.87e-03	1.54e-04	0.0	1.17e-05
1320	98	-7.53e-03	-0.02	-8.73e-03	4.03e-06	0.0	5.23e-06
1320	104	-4.42e-03	-0.09	-9.53e-03	3.19e-05	0.0	5.94e-06
1320	105	-7.00e-03	-0.10	-8.88e-03	3.37e-05	0.0	6.42e-06
1320	106	-4.53e-03	-0.02	-9.48e-03	2.01e-06	0.0	4.66e-06
1320	107	-7.10e-03	-0.02	-8.83e-03	3.74e-06	0.0	5.15e-06
1320	111	-2.61	1.21	-0.14	-4.40e-04	0.0	2.42e-04
1320	114	-2.62	3.16	-0.11	-1.14e-03	0.0	1.83e-04
1320	129	-0.36	-4.16	-0.03	1.48e-03	0.0	3.22e-05
1320	143	-2.94	1.37	-0.15	-4.97e-04	0.0	2.72e-04
1320	146	-2.95	3.56	-0.12	-1.29e-03	0.0	2.05e-04
1320	161	-0.41	-4.69	-0.03	1.67e-03	0.0	3.52e-05
1320	175	-2.92	1.36	-0.15	-4.95e-04	0.0	2.71e-04
1320	178	-2.92	3.52	-0.12	-1.27e-03	0.0	2.04e-04
1320	193	-0.39	-4.69	-0.03	1.67e-03	0.0	3.07e-05
1320	207	-3.41	1.60	-0.17	-5.83e-04	0.0	3.17e-04
1320	210	-3.42	4.12	-0.14	-1.49e-03	0.0	2.38e-04
1320	225	-0.43	-5.51	-0.03	1.96e-03	0.0	3.21e-05
1321	4	-0.02	0.31	-6.64e-03	-1.24e-04	0.0	3.43e-06
1321	41	-7.74e-03	-0.59	-6.75e-03	2.30e-04	0.0	1.61e-05
1321	44	-0.01	-0.60	-6.69e-03	2.34e-04	0.0	1.71e-05
1321	68	-0.01	0.20	-5.12e-03	-8.24e-05	0.0	2.85e-06
1321	85	-5.68e-03	-0.39	-5.20e-03	1.54e-04	0.0	1.13e-05
1321	88	-0.01	-0.40	-5.15e-03	1.57e-04	0.0	1.20e-05
1321	98	-0.01	-0.02	-5.15e-03	6.61e-06	0.0	5.47e-06
1321	104	-6.15e-03	-0.09	-5.19e-03	3.39e-05	0.0	6.15e-06
1321	105	-9.64e-03	-0.10	-5.16e-03	3.62e-05	0.0	6.67e-06
1321	106	-6.26e-03	-0.01	-5.19e-03	3.97e-06	0.0	4.87e-06
1321	107	-9.76e-03	-0.02	-5.15e-03	6.23e-06	0.0	5.38e-06
1321	111	-2.62	1.32	-0.03	-4.89e-04	0.0	2.42e-04
1321	114	-2.62	3.26	-0.03	-1.20e-03	0.0	1.83e-04
1321	129	-0.37	-4.18	-9.22e-03	1.53e-03	0.0	3.26e-05
1321	143	-2.95	1.49	-0.04	-5.52e-04	0.0	2.72e-04
1321	146	-2.95	3.67	-0.03	-1.36e-03	0.0	2.05e-04
1321	161	-0.41	-4.71	-9.71e-03	1.72e-03	0.0	3.56e-05
1321	175	-2.92	1.48	-0.04	-5.49e-04	0.0	2.71e-04
1321	178	-2.93	3.63	-0.03	-1.34e-03	0.0	2.04e-04
1321	193	-0.39	-4.71	-9.50e-03	1.73e-03	0.0	3.11e-05
1321	207	-3.42	1.74	-0.04	-6.47e-04	0.0	3.17e-04
1321	210	-3.42	4.25	-0.03	-1.57e-03	0.0	2.38e-04
1321	225	-0.43	-5.54	-0.01	2.03e-03	0.0	3.25e-05
1322	41	-2.53e-04	-0.69	-0.01	2.26e-04	0.0	1.25e-05
1322	44	-6.70e-04	-0.71	-0.01	2.29e-04	0.0	1.23e-05
1322	52	-9.67e-04	-0.04	-0.01	5.76e-06	0.0	2.81e-06
1322	85	-1.85e-04	-0.46	-0.01	1.50e-04	0.0	8.63e-06
1322	88	-4.64e-04	-0.47	-9.17e-03	1.53e-04	0.0	8.47e-06
1322	92	-6.61e-04	-0.03	-8.57e-03	3.86e-06	0.0	2.17e-06
1322	98	-5.39e-04	-0.02	-9.05e-03	2.85e-06	0.0	2.26e-06
1322	104	-2.49e-04	-0.11	-9.94e-03	3.09e-05	0.0	3.63e-06
1322	105	-4.84e-04	-0.11	-9.22e-03	3.25e-05	0.0	3.53e-06
1322	106	-2.65e-04	-0.02	-9.89e-03	1.06e-06	0.0	2.38e-06
1322	107	-5.00e-04	-0.02	-9.17e-03	2.59e-06	0.0	2.28e-06
1322	111	-2.93	1.40	-0.13	-4.32e-04	0.0	3.01e-04
1322	114	-2.93	3.64	-0.10	-1.12e-03	0.0	2.37e-04
1322	129	-0.40	-4.79	-0.03	1.45e-03	0.0	1.89e-05
1322	143	-3.30	1.58	-0.14	-4.88e-04	0.0	3.39e-04
1322	146	-3.31	4.11	-0.12	-1.26e-03	0.0	2.67e-04
1322	161	-0.45	-5.40	-0.03	1.63e-03	0.0	2.08e-05
1322	175	-3.27	1.57	-0.14	-4.86e-04	0.0	3.38e-04
1322	178	-3.28	4.06	-0.11	-1.25e-03	0.0	2.65e-04
1322	193	-0.43	-5.40	-0.03	1.64e-03	0.0	1.74e-05
1322	207	-3.83	1.85	-0.17	-5.73e-04	0.0	3.96e-04

1322	210	-3.83	4.75	-0.13	-1.46e-03	0.0	3.10e-04
1322	225	-0.48	-6.34	-0.03	1.92e-03	0.0	1.75e-05
1323	41	-1.95e-03	-0.69	-7.04e-03	2.30e-04	0.0	1.29e-05
1323	44	-3.61e-03	-0.70	-6.96e-03	2.34e-04	0.0	1.28e-05
1323	52	-4.32e-03	-0.04	-6.92e-03	1.18e-05	0.0	3.40e-06
1323	85	-1.42e-03	-0.46	-5.42e-03	1.54e-04	0.0	8.95e-06
1323	88	-2.52e-03	-0.47	-5.36e-03	1.57e-04	0.0	8.88e-06
1323	92	-3.00e-03	-0.03	-5.33e-03	8.20e-06	0.0	2.61e-06
1323	98	-2.47e-03	-0.02	-5.36e-03	6.66e-06	0.0	2.65e-06
1323	104	-1.46e-03	-0.10	-5.41e-03	3.39e-05	0.0	3.95e-06
1323	105	-2.31e-03	-0.11	-5.37e-03	3.62e-05	0.0	3.91e-06
1323	106	-1.47e-03	-0.01	-5.41e-03	3.99e-06	0.0	2.70e-06
1323	107	-2.32e-03	-0.02	-5.37e-03	6.28e-06	0.0	2.66e-06
1323	111	-2.93	1.53	-0.04	-4.81e-04	0.0	3.01e-04
1323	114	-2.94	3.77	-0.03	-1.18e-03	0.0	2.37e-04
1323	129	-0.41	-4.83	-9.98e-03	1.50e-03	0.0	1.93e-05
1323	143	-3.30	1.73	-0.04	-5.43e-04	0.0	3.39e-04
1323	146	-3.31	4.25	-0.03	-1.33e-03	0.0	2.67e-04
1323	161	-0.45	-5.44	-0.01	1.69e-03	0.0	2.11e-05
1323	175	-3.27	1.72	-0.04	-5.41e-04	0.0	3.38e-04
1323	178	-3.28	4.21	-0.03	-1.32e-03	0.0	2.65e-04
1323	193	-0.43	-5.44	-0.01	1.69e-03	0.0	1.78e-05
1323	207	-3.83	2.02	-0.05	-6.37e-04	0.0	3.96e-04
1323	210	-3.84	4.92	-0.04	-1.55e-03	0.0	3.10e-04
1323	225	-0.48	-6.40	-0.01	1.99e-03	0.0	1.79e-05
1324	4	0.02	0.42	-0.01	-1.32e-04	0.0	-9.08e-06
1324	41	7.92e-03	-0.79	-0.01	2.25e-04	0.0	6.72e-06
1324	44	0.01	-0.81	-0.01	2.27e-04	0.0	4.54e-06
1324	68	0.01	0.28	-8.55e-03	-8.78e-05	0.0	-6.15e-06
1324	85	5.78e-03	-0.53	-0.01	1.50e-04	0.0	4.39e-06
1324	88	9.91e-03	-0.54	-9.30e-03	1.51e-04	0.0	2.94e-06
1324	98	9.53e-03	-0.03	-9.19e-03	1.83e-06	0.0	-2.66e-06
1324	104	5.92e-03	-0.12	-0.01	3.01e-05	0.0	0.0
1324	105	8.98e-03	-0.13	-9.36e-03	3.15e-05	0.0	-1.32e-06
1324	106	5.95e-03	-0.02	-0.01	0.0	0.0	-1.42e-06
1324	107	9.02e-03	-0.02	-9.31e-03	1.61e-06	0.0	-2.48e-06
1324	111	-3.25	1.58	-0.13	-4.28e-04	0.0	2.85e-04
1324	113	3.27	-4.17	0.08	1.11e-03	0.0	-2.87e-04
1324	129	-0.44	-5.41	-0.03	1.44e-03	0.0	-2.18e-04
1324	143	-3.66	1.78	-0.14	-4.82e-04	0.0	3.21e-04
1324	145	3.68	-4.69	0.10	1.26e-03	0.0	-3.23e-04
1324	161	-0.49	-6.09	-0.03	1.62e-03	0.0	-2.46e-04
1324	175	-3.63	1.77	-0.14	-4.81e-04	0.0	3.20e-04
1324	177	3.65	-4.64	0.10	1.24e-03	0.0	-3.21e-04
1324	193	-0.47	-6.09	-0.03	1.62e-03	0.0	-2.49e-04
1324	207	-4.24	2.09	-0.16	-5.66e-04	0.0	3.75e-04
1324	209	4.27	-5.42	0.11	1.45e-03	0.0	-3.75e-04
1324	225	-0.53	-7.16	-0.03	1.91e-03	0.0	-2.97e-04
1325	4	0.02	0.42	-7.04e-03	-1.23e-04	0.0	-5.58e-06
1325	41	8.00e-03	-0.79	-7.15e-03	2.30e-04	0.0	9.50e-06
1325	44	0.01	-0.81	-7.09e-03	2.35e-04	0.0	8.23e-06
1325	68	0.01	0.28	-5.43e-03	-8.18e-05	0.0	-3.62e-06
1325	85	5.85e-03	-0.53	-5.51e-03	1.54e-04	0.0	6.43e-06
1325	88	0.01	-0.54	-5.46e-03	1.57e-04	0.0	5.58e-06
1325	98	9.74e-03	-0.03	-5.46e-03	7.13e-06	0.0	0.0
1325	104	6.03e-03	-0.12	-5.50e-03	3.42e-05	0.0	1.61e-06
1325	105	9.17e-03	-0.13	-5.47e-03	3.66e-05	0.0	0.0
1325	106	6.08e-03	-0.02	-5.50e-03	4.33e-06	0.0	0.0
1325	107	9.22e-03	-0.03	-5.46e-03	6.73e-06	0.0	0.0
1325	111	-3.25	1.74	-0.04	-4.78e-04	0.0	2.86e-04
1325	113	3.27	-4.33	0.02	1.19e-03	0.0	-2.84e-04
1325	129	-0.44	-5.47	-0.01	1.49e-03	0.0	-2.14e-04
1325	143	-3.66	1.96	-0.04	-5.40e-04	0.0	3.22e-04
1325	145	3.68	-4.87	0.02	1.34e-03	0.0	-3.19e-04
1325	161	-0.49	-6.16	-0.01	1.68e-03	0.0	-2.42e-04
1325	175	-3.63	1.95	-0.04	-5.38e-04	0.0	3.20e-04
1325	177	3.65	-4.82	0.02	1.33e-03	0.0	-3.17e-04
1325	193	-0.47	-6.17	-0.01	1.68e-03	0.0	-2.46e-04
1325	207	-4.24	2.30	-0.05	-6.34e-04	0.0	3.75e-04
1325	209	4.27	-5.63	0.03	1.55e-03	0.0	-3.71e-04
1325	225	-0.53	-7.25	-0.01	1.98e-03	0.0	-2.93e-04
1326	4	-0.02	0.31	-8.17e-03	-1.21e-04	0.0	4.38e-06
1326	44	-0.02	-0.59	-7.32e-03	2.38e-04	0.0	1.82e-05
1326	68	-0.01	0.21	-6.09e-03	-7.99e-05	0.0	3.54e-06
1326	88	-0.01	-0.40	-5.52e-03	1.59e-04	0.0	1.28e-05

1326	98	-0.01	-0.02	-5.65e-03	8.78e-06	0.0	6.13e-06
1326	105	-0.01	-0.09	-5.53e-03	3.83e-05	0.0	7.33e-06
1326	107	-0.01	-0.02	-5.58e-03	8.33e-06	0.0	6.03e-06
1326	114	-2.62	3.36	-8.82e-03	-1.27e-03	0.0	1.83e-04
1326	129	-0.37	-4.19	-4.05e-03	1.58e-03	0.0	3.32e-05
1326	146	-2.95	3.78	-9.23e-03	-1.43e-03	0.0	2.05e-04
1326	161	-0.41	-4.72	-3.85e-03	1.78e-03	0.0	3.62e-05
1326	178	-2.93	3.74	-9.21e-03	-1.42e-03	0.0	2.04e-04
1326	193	-0.39	-4.73	-3.81e-03	1.78e-03	0.0	3.17e-05
1326	210	-3.42	4.38	-9.84e-03	-1.66e-03	0.0	2.38e-04
1326	225	-0.44	-5.56	-3.46e-03	2.10e-03	0.0	3.31e-05
1327	4	-6.33e-03	0.36	-8.57e-03	-1.20e-04	0.0	0.0
1327	44	-5.48e-03	-0.70	-7.67e-03	2.38e-04	0.0	1.36e-05
1327	52	-6.45e-03	-0.04	-8.37e-03	1.55e-05	0.0	4.31e-06
1327	68	-4.41e-03	0.24	-6.38e-03	-7.97e-05	0.0	0.0
1327	88	-3.84e-03	-0.47	-5.78e-03	1.59e-04	0.0	9.49e-06
1327	92	-4.49e-03	-0.03	-6.25e-03	1.08e-05	0.0	3.27e-06
1327	98	-3.69e-03	-0.02	-5.93e-03	8.98e-06	0.0	3.27e-06
1327	105	-3.48e-03	-0.11	-5.80e-03	3.85e-05	0.0	4.51e-06
1327	107	-3.48e-03	-0.02	-5.84e-03	8.53e-06	0.0	3.26e-06
1327	114	-2.94	3.90	-9.23e-03	-1.25e-03	0.0	2.38e-04
1327	129	-0.41	-4.87	-4.24e-03	1.56e-03	0.0	1.96e-05
1327	146	-3.31	4.40	-9.66e-03	-1.41e-03	0.0	2.68e-04
1327	161	-0.45	-5.49	-4.03e-03	1.76e-03	0.0	2.15e-05
1327	178	-3.28	4.35	-9.64e-03	-1.40e-03	0.0	2.66e-04
1327	193	-0.43	-5.49	-3.98e-03	1.76e-03	0.0	1.81e-05
1327	210	-3.84	5.09	-0.01	-1.64e-03	0.0	3.11e-04
1327	225	-0.48	-6.46	-3.61e-03	2.07e-03	0.0	1.82e-05
1328	4	0.02	0.42	-9.01e-03	-1.20e-04	0.0	-4.15e-06
1328	44	0.02	-0.80	-8.07e-03	2.38e-04	0.0	9.10e-06
1328	68	0.01	0.28	-6.70e-03	-7.98e-05	0.0	-2.60e-06
1328	88	0.01	-0.53	-6.07e-03	1.59e-04	0.0	6.23e-06
1328	98	0.01	-0.03	-6.20e-03	8.87e-06	0.0	0.0
1328	105	9.72e-03	-0.13	-6.06e-03	3.84e-05	0.0	1.75e-06
1328	107	9.77e-03	-0.02	-6.11e-03	8.41e-06	0.0	0.0
1328	113	3.27	-4.49	-2.45e-03	1.26e-03	0.0	-2.85e-04
1328	114	-3.25	4.44	-9.76e-03	-1.25e-03	0.0	2.87e-04
1328	129	-0.44	-5.54	-4.33e-03	1.55e-03	0.0	-2.15e-04
1328	145	3.68	-5.05	-1.98e-03	1.42e-03	0.0	-3.22e-04
1328	146	-3.66	5.00	-0.01	-1.41e-03	0.0	3.23e-04
1328	161	-0.49	-6.24	-4.10e-03	1.75e-03	0.0	-2.43e-04
1328	177	3.65	-5.00	-1.99e-03	1.41e-03	0.0	-3.19e-04
1328	178	-3.63	4.95	-0.01	-1.39e-03	0.0	3.20e-04
1328	193	-0.47	-6.25	-4.04e-03	1.75e-03	0.0	-2.47e-04
1328	209	4.27	-5.84	-1.28e-03	1.64e-03	0.0	-3.74e-04
1328	210	-4.25	5.79	-0.01	-1.63e-03	0.0	3.75e-04
1328	225	-0.53	-7.35	-3.63e-03	2.06e-03	0.0	-2.95e-04
1329	4	-0.02	0.31	-0.02	-1.17e-04	0.0	6.08e-06
1329	44	-0.02	-0.58	-0.02	2.42e-04	0.0	2.01e-05
1329	68	-0.02	0.21	-0.01	-7.70e-05	0.0	4.79e-06
1329	88	-0.01	-0.39	-0.01	1.62e-04	0.0	1.41e-05
1329	98	-0.01	-0.01	-0.01	1.14e-05	0.0	7.30e-06
1329	105	-0.01	-0.09	-0.01	4.08e-05	0.0	8.51e-06
1329	107	-0.01	-0.01	-0.01	1.09e-05	0.0	7.17e-06
1329	114	-2.62	3.46	-9.47e-03	-1.34e-03	0.0	1.82e-04
1329	124	1.60	2.61	-0.02	-1.00e-03	0.0	-1.47e-04
1329	129	-0.37	-4.21	-7.03e-03	1.63e-03	0.0	3.44e-05
1329	146	-2.95	3.90	-9.23e-03	-1.51e-03	0.0	2.04e-04
1329	156	1.81	2.94	-0.02	-1.13e-03	0.0	-1.66e-04
1329	161	-0.41	-4.74	-6.48e-03	1.84e-03	0.0	3.74e-05
1329	178	-2.93	3.86	-9.41e-03	-1.49e-03	0.0	2.03e-04
1329	188	1.79	2.93	-0.02	-1.13e-03	0.0	-1.64e-04
1329	193	-0.39	-4.75	-6.48e-03	1.84e-03	0.0	3.29e-05
1329	210	-3.42	4.51	-9.16e-03	-1.74e-03	0.0	2.36e-04
1329	220	2.09	3.44	-0.02	-1.32e-03	0.0	-1.93e-04
1329	225	-0.44	-5.59	-5.66e-03	2.17e-03	0.0	3.43e-05
1330	4	-8.27e-03	0.36	-0.02	-1.15e-04	0.0	0.0
1330	44	-7.20e-03	-0.69	-0.02	2.44e-04	0.0	1.45e-05
1330	52	-8.42e-03	-0.04	-0.02	2.13e-05	0.0	5.10e-06
1330	68	-5.76e-03	0.24	-0.02	-7.58e-05	0.0	1.03e-06
1330	88	-5.05e-03	-0.46	-0.01	1.64e-04	0.0	1.01e-05
1330	92	-5.86e-03	-0.03	-0.01	1.50e-05	0.0	3.87e-06
1330	98	-4.82e-03	-0.02	-0.01	1.27e-05	0.0	3.86e-06
1330	105	-4.56e-03	-0.11	-0.01	4.21e-05	0.0	5.11e-06
1330	107	-4.56e-03	-0.02	-0.01	1.21e-05	0.0	3.85e-06

1330	114	-2.94	4.03	-0.01	-1.33e-03	0.0	2.38e-04
1330	124	1.82	3.04	-0.02	-9.91e-04	0.0	-1.76e-04
1330	129	-0.41	-4.91	-8.12e-03	1.62e-03	0.0	1.99e-05
1330	146	-3.31	4.55	-0.01	-1.50e-03	0.0	2.68e-04
1330	156	2.05	3.43	-0.02	-1.12e-03	0.0	-1.99e-04
1330	161	-0.46	-5.53	-7.59e-03	1.83e-03	0.0	2.17e-05
1330	178	-3.28	4.50	-0.01	-1.48e-03	0.0	2.66e-04
1330	188	2.02	3.42	-0.02	-1.11e-03	0.0	-1.98e-04
1330	193	-0.44	-5.54	-7.58e-03	1.83e-03	0.0	1.84e-05
1330	210	-3.84	5.26	-0.01	-1.73e-03	0.0	3.11e-04
1330	220	2.37	4.00	-0.02	-1.31e-03	0.0	-2.33e-04
1330	225	-0.49	-6.52	-6.79e-03	2.15e-03	0.0	1.85e-05
1331	4	0.02	0.41	-0.02	-1.14e-04	0.0	-4.53e-06
1331	44	0.02	-0.80	-0.02	2.45e-04	0.0	8.16e-06
1331	68	0.01	0.27	-0.02	-7.52e-05	0.0	-2.86e-06
1331	88	0.01	-0.53	-0.01	1.64e-04	0.0	5.59e-06
1331	98	0.01	-0.03	-0.01	1.32e-05	0.0	0.0
1331	105	0.01	-0.13	-0.01	4.27e-05	0.0	1.36e-06
1331	107	0.01	-0.02	-0.01	1.26e-05	0.0	0.0
1331	113	3.27	-4.66	-0.02	1.35e-03	0.0	-2.90e-04
1331	124	2.04	3.47	-0.02	-9.87e-04	0.0	1.94e-05
1331	129	-0.44	-5.61	-0.01	1.62e-03	0.0	-2.18e-04
1331	145	3.68	-5.24	-0.02	1.52e-03	0.0	-3.26e-04
1331	156	2.29	3.91	-0.02	-1.11e-03	0.0	2.22e-05
1331	161	-0.49	-6.32	-9.59e-03	1.82e-03	0.0	-2.46e-04
1331	177	3.65	-5.19	-0.02	1.50e-03	0.0	-3.24e-04
1331	188	2.27	3.90	-0.02	-1.11e-03	0.0	2.35e-05
1331	193	-0.47	-6.33	-9.57e-03	1.82e-03	0.0	-2.50e-04
1331	209	4.27	-6.06	-0.02	1.75e-03	0.0	-3.80e-04
1331	220	2.65	4.56	-0.02	-1.30e-03	0.0	2.93e-05
1331	225	-0.53	-7.45	-8.86e-03	2.15e-03	0.0	-2.99e-04
1332	4	-0.03	0.32	-0.08	-1.12e-04	0.0	8.32e-06
1332	44	-0.02	-0.57	-0.05	2.47e-04	0.0	2.25e-05
1332	68	-0.02	0.21	-0.05	-7.36e-05	0.0	6.42e-06
1332	88	-0.01	-0.38	-0.04	1.65e-04	0.0	1.59e-05
1332	98	-0.01	-0.01	-0.04	1.46e-05	0.0	8.81e-06
1332	105	-0.01	-0.08	-0.04	4.39e-05	0.0	1.00e-05
1332	107	-0.01	-0.01	-0.04	1.39e-05	0.0	8.65e-06
1332	114	-2.62	3.56	-0.03	-1.41e-03	0.0	1.81e-04
1332	124	1.60	2.57	-0.08	-1.01e-03	0.0	-1.45e-04
1332	129	-0.37	-4.22	-9.64e-03	1.69e-03	0.0	3.69e-05
1332	146	-2.95	4.01	-0.02	-1.58e-03	0.0	2.03e-04
1332	156	1.81	2.90	-0.09	-1.14e-03	0.0	-1.64e-04
1332	161	-0.41	-4.76	-5.78e-03	1.90e-03	0.0	4.00e-05
1332	178	-2.93	3.97	-0.03	-1.57e-03	0.0	2.01e-04
1332	188	1.79	2.89	-0.09	-1.14e-03	0.0	-1.62e-04
1332	193	-0.39	-4.77	-5.63e-03	1.91e-03	0.0	3.55e-05
1332	210	-3.42	4.64	-0.02	-1.84e-03	0.0	2.34e-04
1332	220	2.09	3.38	-0.09	-1.33e-03	0.0	-1.91e-04
1332	225	-0.44	-5.62	1.91e-04	2.24e-03	0.0	3.70e-05
1333	4	-0.01	0.36	-0.09	-1.08e-04	0.0	1.56e-06
1333	28	-0.01	-0.43	-0.08	1.65e-04	0.0	1.17e-05
1333	44	-9.13e-03	-0.68	-0.06	2.52e-04	0.0	1.56e-05
1333	68	-7.28e-03	0.24	-0.06	-7.08e-05	0.0	1.60e-06
1333	80	-7.40e-03	-0.28	-0.05	1.11e-04	0.0	8.35e-06
1333	88	-6.40e-03	-0.46	-0.05	1.69e-04	0.0	1.10e-05
1333	98	-6.09e-03	-0.02	-0.05	1.73e-05	0.0	4.51e-06
1333	105	-5.76e-03	-0.10	-0.04	4.68e-05	0.0	5.81e-06
1333	107	-5.76e-03	-0.02	-0.05	1.66e-05	0.0	4.51e-06
1333	114	-2.94	4.17	-0.03	-1.40e-03	0.0	2.35e-04
1333	124	1.81	3.01	-0.09	-1.01e-03	0.0	-1.72e-04
1333	129	-0.41	-4.95	-0.01	1.69e-03	0.0	2.04e-05
1333	146	-3.31	4.69	-0.03	-1.58e-03	0.0	2.64e-04
1333	156	2.04	3.39	-0.10	-1.13e-03	0.0	-1.95e-04
1333	161	-0.46	-5.58	-6.59e-03	1.90e-03	0.0	2.22e-05
1333	178	-3.28	4.64	-0.03	-1.57e-03	0.0	2.62e-04
1333	188	2.02	3.38	-0.10	-1.13e-03	0.0	-1.94e-04
1333	193	-0.44	-5.60	-6.45e-03	1.91e-03	0.0	1.89e-05
1333	210	-3.84	5.43	-0.03	-1.84e-03	0.0	3.05e-04
1333	220	2.37	3.96	-0.11	-1.33e-03	0.0	-2.29e-04
1333	225	-0.49	-6.59	2.21e-04	2.24e-03	0.0	1.89e-05
1334	4	0.02	0.41	-0.11	-1.06e-04	0.0	-5.14e-06
1334	44	0.02	-0.79	-0.08	2.55e-04	0.0	7.19e-06
1334	68	0.02	0.27	-0.07	-6.94e-05	0.0	-3.30e-06
1334	88	0.01	-0.53	-0.06	1.71e-04	0.0	4.92e-06

1334	98	0.01	-0.03	-0.06	1.88e-05	0.0	0.0
1334	105	0.01	-0.13	-0.06	4.83e-05	0.0	0.0
1334	107	0.01	-0.03	-0.06	1.80e-05	0.0	0.0
1334	113	3.27	-4.82	-0.07	1.44e-03	0.0	-2.91e-04
1334	124	2.04	3.44	-0.11	-1.00e-03	0.0	1.91e-05
1334	129	-0.44	-5.68	-0.02	1.69e-03	0.0	-2.18e-04
1334	145	3.69	-5.43	-0.07	1.62e-03	0.0	-3.27e-04
1334	156	2.29	3.88	-0.12	-1.13e-03	0.0	2.19e-05
1334	161	-0.49	-6.40	-0.01	1.90e-03	0.0	-2.47e-04
1334	177	3.65	-5.37	-0.07	1.60e-03	0.0	-3.25e-04
1334	188	2.27	3.87	-0.11	-1.13e-03	0.0	2.33e-05
1334	193	-0.47	-6.42	-0.01	1.91e-03	0.0	-2.51e-04
1334	209	4.27	-6.28	-0.08	1.87e-03	0.0	-3.81e-04
1334	220	2.65	4.53	-0.12	-1.32e-03	0.0	2.92e-05
1334	225	-0.53	-7.56	-5.97e-03	2.24e-03	0.0	-3.00e-04
1335	4	-0.03	0.32	-0.35	-1.07e-04	0.0	1.04e-05
1335	44	-0.02	-0.56	-0.24	2.52e-04	0.0	2.47e-05
1335	68	-0.02	0.22	-0.24	-6.99e-05	0.0	7.94e-06
1335	88	-0.01	-0.37	-0.17	1.69e-04	0.0	1.75e-05
1335	98	-0.01	-5.63e-03	-0.19	1.78e-05	0.0	1.02e-05
1335	105	-0.01	-0.08	-0.17	4.71e-05	0.0	1.14e-05
1335	107	-0.01	-4.83e-03	-0.18	1.70e-05	0.0	1.00e-05
1335	114	-2.62	3.66	-0.10	-1.47e-03	0.0	1.81e-04
1335	124	1.60	2.53	-0.42	-1.02e-03	0.0	-1.44e-04
1335	129	-0.37	-4.23	-8.93e-04	1.74e-03	0.0	3.89e-05
1335	146	-2.95	4.12	-0.09	-1.65e-03	0.0	2.03e-04
1335	156	1.80	2.85	-0.45	-1.15e-03	0.0	-1.63e-04
1335	161	-0.41	-4.77	0.02	1.96e-03	0.0	4.21e-05
1335	178	-2.93	4.08	-0.09	-1.64e-03	0.0	2.01e-04
1335	188	1.79	2.85	-0.45	-1.15e-03	0.0	-1.60e-04
1335	193	-0.39	-4.79	0.02	1.97e-03	0.0	3.76e-05
1335	210	-3.42	4.77	-0.08	-1.91e-03	0.0	2.34e-04
1335	220	2.09	3.33	-0.49	-1.35e-03	0.0	-1.89e-04
1335	225	-0.44	-5.64	0.06	2.31e-03	0.0	3.92e-05
1336	4	-0.01	0.36	-0.46	-1.00e-04	0.0	1.75e-06
1336	28	-0.01	-0.42	-0.41	1.74e-04	0.0	1.23e-05
1336	44	-0.01	-0.67	-0.34	2.61e-04	0.0	1.65e-05
1336	68	-8.26e-03	0.24	-0.32	-6.53e-05	0.0	1.83e-06
1336	80	-8.40e-03	-0.28	-0.29	1.17e-04	0.0	8.85e-06
1336	88	-7.28e-03	-0.45	-0.24	1.75e-04	0.0	1.17e-05
1336	98	-6.91e-03	-0.02	-0.25	2.25e-05	0.0	4.94e-06
1336	105	-6.54e-03	-0.10	-0.23	5.20e-05	0.0	6.34e-06
1336	107	-6.53e-03	-0.01	-0.24	2.16e-05	0.0	4.98e-06
1336	114	-2.94	4.29	-0.15	-1.47e-03	0.0	2.32e-04
1336	124	1.81	2.97	-0.48	-1.02e-03	0.0	-1.70e-04
1336	129	-0.41	-4.99	-0.06	1.75e-03	0.0	2.08e-05
1336	146	-3.31	4.83	-0.14	-1.66e-03	0.0	2.60e-04
1336	156	2.04	3.35	-0.51	-1.15e-03	0.0	-1.92e-04
1336	161	-0.46	-5.63	-0.04	1.97e-03	0.0	2.26e-05
1336	178	-3.28	4.79	-0.15	-1.65e-03	0.0	2.58e-04
1336	188	2.02	3.35	-0.50	-1.15e-03	0.0	-1.91e-04
1336	193	-0.44	-5.64	-0.04	1.98e-03	0.0	1.92e-05
1336	210	-3.84	5.60	-0.14	-1.93e-03	0.0	3.01e-04
1336	220	2.37	3.92	-0.55	-1.35e-03	0.0	-2.26e-04
1336	225	-0.49	-6.65	-7.87e-03	2.33e-03	0.0	1.93e-05
1337	4	0.03	0.41	-0.59	-1.75e-04	7.04e-05	1.47e-06
1337	44	0.02	-0.79	-0.46	-1.26e-04	5.72e-05	1.33e-06
1337	68	0.02	0.27	-0.42	-1.21e-04	4.95e-05	1.04e-06
1337	88	0.01	-0.53	-0.33	-8.85e-05	4.07e-05	0.0
1337	98	0.01	-0.03	-0.33	-9.43e-05	3.95e-05	0.0
1337	105	0.01	-0.13	-0.31	-8.69e-05	3.75e-05	0.0
1337	107	0.01	-0.03	-0.32	-8.90e-05	3.77e-05	0.0
1337	113	3.28	-4.99	-0.40	-1.62e-04	1.31e-03	-3.34e-04
1337	124	2.04	3.41	-0.55	-2.10e-04	8.43e-04	1.71e-05
1337	129	-0.44	-5.76	-0.15	-1.21e-05	-1.81e-04	-2.42e-04
1337	145	3.69	-5.62	-0.42	-1.71e-04	1.47e-03	-3.77e-04
1337	156	2.30	3.85	-0.58	-2.25e-04	9.43e-04	1.97e-05
1337	161	-0.49	-6.49	-0.13	-2.42e-06	-2.08e-04	-2.74e-04
1337	177	3.66	-5.56	-0.41	-1.68e-04	1.44e-03	-3.76e-04
1337	188	2.27	3.84	-0.57	-2.22e-04	9.21e-04	2.22e-05
1337	193	-0.47	-6.51	-0.13	-2.64e-06	-2.02e-04	-2.81e-04
1337	209	4.28	-6.50	-0.42	-1.80e-04	1.66e-03	-4.42e-04
1337	220	2.65	4.50	-0.61	-2.43e-04	1.66e-03	2.84e-05
1337	225	-0.53	-7.67	-0.10	1.14e-05	-2.34e-04	-3.37e-04
1338	4	-3.55e-03	0.32	-0.02	-1.33e-04	0.0	-9.79e-06

1338	41	-1.06e-03	-0.60	-0.03	2.32e-04	0.0	0.0
1338	44	-2.37e-03	-0.61	-0.03	2.35e-04	0.0	-1.74e-06
1338	68	-2.46e-03	0.21	-0.02	-8.89e-05	0.0	-6.81e-06
1338	85	-7.99e-04	-0.40	-0.02	1.55e-04	0.0	0.0
1338	88	-1.67e-03	-0.41	-0.02	1.57e-04	0.0	-1.44e-06
1338	98	-1.92e-03	-0.02	-0.02	3.10e-06	0.0	-4.65e-06
1338	104	-1.06e-03	-0.09	-0.02	3.22e-05	0.0	-2.41e-06
1338	105	-1.74e-03	-0.09	-0.02	3.35e-05	0.0	-3.74e-06
1338	106	-1.13e-03	-0.01	-0.02	1.55e-06	0.0	-3.11e-06
1338	107	-1.80e-03	-0.02	-0.02	2.88e-06	0.0	-4.43e-06
1338	113	2.60	-2.80	-0.09	9.99e-04	0.0	-2.39e-04
1338	114	-2.61	2.77	0.05	-9.93e-04	0.0	2.30e-04
1338	129	-0.36	-4.00	-0.06	1.40e-03	0.0	-1.82e-04
1338	145	2.93	-3.15	-0.10	1.12e-03	0.0	-2.68e-04
1338	146	-2.93	3.12	0.06	-1.12e-03	0.0	2.59e-04
1338	161	-0.40	-4.50	-0.06	1.58e-03	0.0	-2.05e-04
1338	177	2.90	-3.11	-0.10	1.11e-03	0.0	-2.66e-04
1338	178	-2.91	3.08	0.06	-1.11e-03	0.0	2.58e-04
1338	193	-0.38	-4.49	-0.06	1.58e-03	0.0	-2.08e-04
1338	209	3.40	-3.63	-0.11	1.30e-03	0.0	-3.11e-04
1338	210	-3.40	3.60	0.07	-1.29e-03	0.0	3.02e-04
1338	225	-0.43	-5.27	-0.07	1.85e-03	0.0	-2.48e-04
1339	4	-7.62e-03	0.27	-0.02	-1.33e-04	0.0	-9.20e-06
1339	41	-3.48e-03	-0.50	-0.03	2.32e-04	0.0	0.0
1339	44	-5.78e-03	-0.51	-0.03	2.35e-04	0.0	-3.00e-06
1339	68	-5.38e-03	0.18	-0.02	-8.89e-05	0.0	-6.44e-06
1339	85	-2.62e-03	-0.33	-0.02	1.55e-04	0.0	0.0
1339	88	-4.16e-03	-0.34	-0.02	1.56e-04	0.0	-2.30e-06
1339	98	-4.43e-03	-0.01	-0.02	3.09e-06	0.0	-4.73e-06
1339	104	-2.98e-03	-0.07	-0.02	3.22e-05	0.0	-2.71e-06
1339	105	-4.15e-03	-0.08	-0.02	3.35e-05	0.0	-3.98e-06
1339	106	-3.07e-03	-9.88e-03	-0.02	1.55e-06	0.0	-3.25e-06
1339	107	-4.24e-03	-0.01	-0.02	2.87e-06	0.0	-4.51e-06
1339	113	2.34	-2.37	-0.09	9.99e-04	0.0	-2.20e-04
1339	114	-2.35	2.34	0.05	-9.93e-04	0.0	2.11e-04
1339	129	-0.32	-3.39	-0.06	1.40e-03	0.0	-1.74e-04
1339	145	2.64	-2.66	-0.10	1.12e-03	0.0	-2.47e-04
1339	146	-2.65	2.63	0.06	-1.12e-03	0.0	2.38e-04
1339	161	-0.36	-3.82	-0.06	1.58e-03	0.0	-1.96e-04
1339	177	2.62	-2.63	-0.10	1.11e-03	0.0	-2.46e-04
1339	178	-2.63	2.60	0.06	-1.11e-03	0.0	2.37e-04
1339	193	-0.35	-3.81	-0.06	1.58e-03	0.0	-1.99e-04
1339	209	3.06	-3.07	-0.11	1.30e-03	0.0	-2.87e-04
1339	210	-3.07	3.04	0.07	-1.29e-03	0.0	2.78e-04
1339	225	-0.39	-4.46	-0.07	1.85e-03	0.0	-2.37e-04
1340	28	4.90e-03	-0.44	-0.02	1.44e-04	0.0	-4.18e-06
1340	41	2.62e-03	-0.70	-0.03	2.32e-04	0.0	2.36e-06
1340	44	4.34e-03	-0.71	-0.03	2.35e-04	0.0	0.0
1340	80	3.42e-03	-0.29	-0.02	9.60e-05	0.0	-3.06e-06
1340	85	1.90e-03	-0.47	-0.02	1.55e-04	0.0	1.30e-06
1340	88	3.05e-03	-0.47	-0.02	1.57e-04	0.0	0.0
1340	98	2.76e-03	-0.02	-0.02	3.15e-06	0.0	-4.70e-06
1340	104	1.81e-03	-0.10	-0.02	3.22e-05	0.0	-2.19e-06
1340	105	2.65e-03	-0.11	-0.02	3.36e-05	0.0	-3.59e-06
1340	106	1.79e-03	-0.01	-0.02	1.59e-06	0.0	-3.06e-06
1340	107	2.62e-03	-0.02	-0.02	2.93e-06	0.0	-4.47e-06
1340	113	2.94	-3.23	-0.09	9.97e-04	0.0	-2.65e-04
1340	129	-0.40	-4.60	-0.06	1.40e-03	0.0	-2.01e-04
1340	145	3.31	-3.63	-0.10	1.12e-03	0.0	-2.98e-04
1340	161	-0.45	-5.18	-0.06	1.58e-03	0.0	-2.27e-04
1340	177	3.28	-3.59	-0.10	1.11e-03	0.0	-2.95e-04
1340	193	-0.43	-5.17	-0.06	1.58e-03	0.0	-2.30e-04
1340	209	3.84	-4.19	-0.11	1.30e-03	0.0	-3.45e-04
1340	225	-0.48	-6.07	-0.07	1.85e-03	0.0	-2.74e-04
1341	4	0.02	0.44	-0.02	-1.33e-04	0.0	-1.19e-05
1341	41	7.80e-03	-0.80	-0.03	2.32e-04	0.0	3.29e-06
1341	44	0.01	-0.81	-0.03	2.35e-04	0.0	0.0
1341	68	0.01	0.29	-0.02	-8.89e-05	0.0	-8.19e-06
1341	85	5.69e-03	-0.53	-0.02	1.55e-04	0.0	1.91e-06
1341	88	9.55e-03	-0.54	-0.02	1.57e-04	0.0	0.0
1341	98	9.06e-03	-0.02	-0.02	3.19e-06	0.0	-4.94e-06
1341	104	5.71e-03	-0.12	-0.02	3.23e-05	0.0	-2.17e-06
1341	105	8.57e-03	-0.12	-0.02	3.36e-05	0.0	-3.67e-06
1341	106	5.72e-03	-0.01	-0.02	1.61e-06	0.0	-3.19e-06
1341	107	8.58e-03	-0.02	-0.02	2.96e-06	0.0	-4.69e-06

1341	113	3.27	-3.66	-0.09	9.96e-04	0.0	-2.90e-04
1341	129	-0.44	-5.21	-0.06	1.40e-03	0.0	-2.20e-04
1341	145	3.68	-4.12	-0.10	1.12e-03	0.0	-3.26e-04
1341	161	-0.49	-5.86	-0.06	1.58e-03	0.0	-2.48e-04
1341	177	3.65	-4.07	-0.10	1.11e-03	0.0	-3.24e-04
1341	193	-0.47	-5.85	-0.06	1.57e-03	0.0	-2.52e-04
1341	209	4.27	-4.76	-0.11	1.30e-03	0.0	-3.78e-04
1341	225	-0.53	-6.87	-0.07	1.85e-03	0.0	-3.00e-04
1342	4	-5.56e-03	0.32	-0.03	-1.32e-04	0.0	-9.88e-06
1342	41	-1.90e-03	-0.60	-0.03	2.30e-04	0.0	0.0
1342	44	-3.99e-03	-0.61	-0.03	2.33e-04	0.0	-1.79e-06
1342	68	-3.84e-03	0.21	-0.02	-8.82e-05	0.0	-6.88e-06
1342	85	-1.41e-03	-0.40	-0.03	1.53e-04	0.0	0.0
1342	88	-2.80e-03	-0.41	-0.02	1.55e-04	0.0	-1.48e-06
1342	98	-3.02e-03	-0.02	-0.02	3.08e-06	0.0	-4.69e-06
1342	104	-1.70e-03	-0.09	-0.03	3.18e-05	0.0	-2.45e-06
1342	105	-2.77e-03	-0.09	-0.02	3.33e-05	0.0	-3.78e-06
1342	106	-1.78e-03	-0.01	-0.03	1.43e-06	0.0	-3.14e-06
1342	107	-2.84e-03	-0.02	-0.02	2.84e-06	0.0	-4.47e-06
1342	109	2.05	-3.04	-0.03	1.06e-03	0.0	-2.91e-04
1342	114	-2.61	2.90	-0.02	-1.03e-03	0.0	2.25e-04
1342	129	-0.36	-4.06	-0.03	1.41e-03	0.0	-1.78e-04
1342	141	2.31	-3.42	-0.03	1.19e-03	0.0	-3.28e-04
1342	146	-2.93	3.27	-0.02	-1.16e-03	0.0	2.54e-04
1342	161	-0.40	-4.57	-0.03	1.58e-03	0.0	-2.00e-04
1342	173	2.29	-3.40	-0.03	1.19e-03	0.0	-3.26e-04
1342	178	-2.91	3.23	-0.02	-1.14e-03	0.0	2.52e-04
1342	193	-0.38	-4.56	-0.03	1.58e-03	0.0	-2.03e-04
1342	205	2.68	-3.98	-0.03	1.39e-03	0.0	-3.83e-04
1342	210	-3.40	3.78	-0.02	-1.34e-03	0.0	2.96e-04
1342	225	-0.43	-5.35	-0.03	1.86e-03	0.0	-2.42e-04
1343	4	-0.01	0.26	-0.03	-1.32e-04	0.0	-9.09e-06
1343	41	-3.69e-03	-0.50	-0.03	2.30e-04	0.0	0.0
1343	44	-7.48e-03	-0.51	-0.03	2.33e-04	0.0	-3.03e-06
1343	68	-7.08e-03	0.17	-0.02	-8.82e-05	0.0	-6.36e-06
1343	85	-2.73e-03	-0.33	-0.03	1.53e-04	0.0	0.0
1343	88	-5.25e-03	-0.34	-0.02	1.55e-04	0.0	-2.32e-06
1343	98	-5.55e-03	-0.02	-0.02	3.06e-06	0.0	-4.71e-06
1343	104	-3.20e-03	-0.08	-0.03	3.18e-05	0.0	-2.70e-06
1343	105	-5.11e-03	-0.08	-0.02	3.32e-05	0.0	-3.97e-06
1343	106	-3.32e-03	-0.01	-0.03	1.41e-06	0.0	-3.23e-06
1343	107	-5.23e-03	-0.02	-0.02	2.82e-06	0.0	-4.50e-06
1343	109	1.86	-2.58	-0.03	1.06e-03	0.0	-2.58e-04
1343	114	-2.37	2.46	-0.02	-1.03e-03	0.0	1.99e-04
1343	129	-0.33	-3.45	-0.03	1.41e-03	0.0	-1.59e-04
1343	141	2.09	-2.91	-0.03	1.19e-03	0.0	-2.91e-04
1343	146	-2.67	2.77	-0.02	-1.16e-03	0.0	2.25e-04
1343	161	-0.36	-3.89	-0.03	1.58e-03	0.0	-1.79e-04
1343	173	2.07	-2.89	-0.03	1.19e-03	0.0	-2.90e-04
1343	178	-2.64	2.74	-0.02	-1.14e-03	0.0	2.23e-04
1343	193	-0.35	-3.88	-0.03	1.58e-03	0.0	-1.81e-04
1343	205	2.43	-3.38	-0.03	1.39e-03	0.0	-3.39e-04
1343	210	-3.09	3.20	-0.02	-1.34e-03	0.0	2.62e-04
1343	225	-0.39	-4.55	-0.03	1.86e-03	0.0	-2.16e-04
1344	28	3.68e-03	-0.44	-0.03	1.43e-04	0.0	-3.95e-06
1344	41	2.02e-03	-0.70	-0.03	2.30e-04	0.0	2.56e-06
1344	44	3.29e-03	-0.71	-0.03	2.33e-04	0.0	0.0
1344	80	2.57e-03	-0.30	-0.02	9.54e-05	0.0	-2.90e-06
1344	85	1.47e-03	-0.47	-0.03	1.54e-04	0.0	1.44e-06
1344	88	2.31e-03	-0.47	-0.02	1.55e-04	0.0	0.0
1344	98	2.07e-03	-0.02	-0.02	3.17e-06	0.0	-4.60e-06
1344	104	1.38e-03	-0.10	-0.03	3.19e-05	0.0	-2.11e-06
1344	105	1.99e-03	-0.11	-0.02	3.33e-05	0.0	-3.49e-06
1344	106	1.36e-03	-0.01	-0.03	1.50e-06	0.0	-3.00e-06
1344	107	1.97e-03	-0.02	-0.02	2.93e-06	0.0	-4.37e-06
1344	109	2.31	-3.50	-0.03	1.06e-03	0.0	-3.29e-04
1344	113	2.94	-3.38	-0.03	1.03e-03	0.0	-2.64e-04
1344	129	-0.40	-4.67	-0.03	1.40e-03	0.0	-2.01e-04
1344	141	2.61	-3.94	-0.03	1.19e-03	0.0	-3.71e-04
1344	145	3.31	-3.81	-0.03	1.16e-03	0.0	-2.97e-04
1344	161	-0.45	-5.25	-0.03	1.58e-03	0.0	-2.26e-04
1344	173	2.58	-3.92	-0.03	1.19e-03	0.0	-3.69e-04
1344	177	3.28	-3.77	-0.03	1.15e-03	0.0	-2.95e-04
1344	193	-0.43	-5.25	-0.03	1.58e-03	0.0	-2.29e-04
1344	205	3.02	-4.59	-0.03	1.39e-03	0.0	-4.33e-04

1344	209	3.84	-4.40	-0.03	1.34e-03	0.0	-3.44e-04
1344	225	-0.48	-6.16	-0.03	1.86e-03	0.0	-2.73e-04
1345	4	0.02	0.43	-0.03	-1.32e-04	0.0	-1.13e-05
1345	41	7.87e-03	-0.80	-0.03	2.30e-04	0.0	4.11e-06
1345	44	0.01	-0.81	-0.03	2.33e-04	0.0	1.23e-06
1345	68	0.01	0.29	-0.02	-8.80e-05	0.0	-7.79e-06
1345	85	5.75e-03	-0.53	-0.03	1.54e-04	0.0	2.50e-06
1345	88	9.69e-03	-0.54	-0.02	1.56e-04	0.0	0.0
1345	98	9.22e-03	-0.02	-0.02	3.25e-06	0.0	-4.44e-06
1345	104	5.80e-03	-0.12	-0.03	3.20e-05	0.0	-1.74e-06
1345	105	8.72e-03	-0.12	-0.02	3.34e-05	0.0	-3.14e-06
1345	106	5.81e-03	-0.01	-0.03	1.57e-06	0.0	-2.80e-06
1345	107	8.73e-03	-0.02	-0.02	3.01e-06	0.0	-4.20e-06
1345	109	2.58	-3.96	-0.03	1.06e-03	0.0	-3.62e-04
1345	113	3.27	-3.83	-0.03	1.03e-03	0.0	-2.89e-04
1345	129	-0.44	-5.27	-0.03	1.40e-03	0.0	-2.20e-04
1345	141	2.90	-4.46	-0.03	1.19e-03	0.0	-4.07e-04
1345	145	3.68	-4.31	-0.03	1.16e-03	0.0	-3.25e-04
1345	161	-0.49	-5.94	-0.03	1.58e-03	0.0	-2.48e-04
1345	173	2.88	-4.43	-0.03	1.19e-03	0.0	-4.05e-04
1345	177	3.65	-4.26	-0.03	1.15e-03	0.0	-3.23e-04
1345	193	-0.47	-5.93	-0.03	1.58e-03	0.0	-2.51e-04
1345	205	3.37	-5.19	-0.03	1.39e-03	0.0	-4.75e-04
1345	209	4.27	-4.98	-0.03	1.34e-03	0.0	-3.77e-04
1345	225	-0.53	-6.96	-0.03	1.86e-03	0.0	-2.99e-04
1346	4	-8.00e-03	0.31	-0.02	-1.31e-04	0.0	-1.00e-05
1346	41	-2.95e-03	-0.60	-0.03	2.28e-04	0.0	0.0
1346	44	-5.98e-03	-0.61	-0.03	2.31e-04	0.0	-1.92e-06
1346	68	-5.54e-03	0.21	-0.02	-8.76e-05	0.0	-6.97e-06
1346	85	-2.17e-03	-0.40	-0.02	1.52e-04	0.0	0.0
1346	88	-4.19e-03	-0.41	-0.02	1.54e-04	0.0	-1.58e-06
1346	98	-4.38e-03	-0.02	-0.02	2.87e-06	0.0	-4.77e-06
1346	104	-2.50e-03	-0.09	-0.02	3.13e-05	0.0	-2.52e-06
1346	105	-4.04e-03	-0.10	-0.02	3.28e-05	0.0	-3.86e-06
1346	106	-2.58e-03	-0.01	-0.02	1.18e-06	0.0	-3.21e-06
1346	107	-4.12e-03	-0.02	-0.02	2.63e-06	0.0	-4.55e-06
1346	111	-2.60	1.08	-0.09	-3.86e-04	0.0	2.22e-04
1346	114	-2.61	3.03	-0.07	-1.07e-03	0.0	2.20e-04
1346	129	-0.36	-4.11	-0.03	1.42e-03	0.0	-1.75e-04
1346	143	-2.93	1.22	-0.10	-4.36e-04	0.0	2.51e-04
1346	146	-2.94	3.42	-0.08	-1.21e-03	0.0	2.49e-04
1346	161	-0.40	-4.63	-0.03	1.61e-03	0.0	-1.97e-04
1346	175	-2.91	1.21	-0.10	-4.35e-04	0.0	2.50e-04
1346	178	-2.91	3.38	-0.08	-1.19e-03	0.0	2.47e-04
1346	193	-0.38	-4.63	-0.03	1.61e-03	0.0	-2.00e-04
1346	207	-3.40	1.43	-0.11	-5.12e-04	0.0	2.93e-04
1346	210	-3.41	3.95	-0.09	-1.40e-03	0.0	2.90e-04
1346	225	-0.43	-5.43	-0.03	1.89e-03	0.0	-2.38e-04
1347	4	-0.01	0.26	-0.02	-1.31e-04	0.0	-8.83e-06
1347	41	-4.28e-03	-0.50	-0.03	2.28e-04	0.0	0.0
1347	44	-9.90e-03	-0.51	-0.03	2.31e-04	0.0	-2.87e-06
1347	68	-9.46e-03	0.17	-0.02	-8.76e-05	0.0	-6.18e-06
1347	85	-3.11e-03	-0.33	-0.02	1.52e-04	0.0	0.0
1347	88	-6.86e-03	-0.34	-0.02	1.54e-04	0.0	-2.20e-06
1347	98	-7.20e-03	-0.02	-0.02	2.90e-06	0.0	-4.58e-06
1347	104	-3.74e-03	-0.08	-0.02	3.14e-05	0.0	-2.59e-06
1347	105	-6.57e-03	-0.08	-0.02	3.28e-05	0.0	-3.85e-06
1347	106	-3.90e-03	-0.01	-0.02	1.20e-06	0.0	-3.12e-06
1347	107	-6.73e-03	-0.02	-0.02	2.65e-06	0.0	-4.37e-06
1347	111	-1.86	0.91	-0.09	-3.86e-04	0.0	2.34e-04
1347	114	-2.36	2.57	-0.07	-1.07e-03	0.0	1.84e-04
1347	129	1.32	-3.50	-0.03	1.43e-03	0.0	9.30e-06
1347	143	-2.09	1.03	-0.09	-4.36e-04	0.0	2.65e-04
1347	146	-2.66	2.89	-0.08	-1.21e-03	0.0	2.08e-04
1347	161	1.49	-3.94	-0.03	1.61e-03	0.0	1.09e-05
1347	175	-2.08	1.03	-0.09	-4.35e-04	0.0	2.64e-04
1347	178	-2.63	2.86	-0.08	-1.19e-03	0.0	2.06e-04
1347	193	1.49	-3.93	-0.03	1.61e-03	0.0	8.26e-06
1347	207	-2.43	1.21	-0.11	-5.13e-04	0.0	3.10e-04
1347	210	-3.08	3.34	-0.09	-1.40e-03	0.0	2.42e-04
1347	225	1.76	-4.62	-0.03	1.89e-03	0.0	8.55e-06
1348	28	2.08e-03	-0.44	-0.02	1.41e-04	0.0	-3.90e-06
1348	41	1.22e-03	-0.70	-0.03	2.28e-04	0.0	2.64e-06
1348	44	1.90e-03	-0.71	-0.03	2.31e-04	0.0	0.0
1348	80	1.46e-03	-0.30	-0.02	9.43e-05	0.0	-2.87e-06

1348	85	8.88e-04	-0.47	-0.02	1.52e-04	0.0	1.49e-06
1348	88	1.34e-03	-0.47	-0.02	1.54e-04	0.0	0.0
1348	98	1.16e-03	-0.02	-0.02	2.82e-06	0.0	-4.61e-06
1348	104	8.12e-04	-0.10	-0.02	3.13e-05	0.0	-2.11e-06
1348	105	1.13e-03	-0.11	-0.02	3.27e-05	0.0	-3.48e-06
1348	106	7.93e-04	-0.01	-0.02	1.13e-06	0.0	-3.01e-06
1348	107	1.11e-03	-0.02	-0.02	2.58e-06	0.0	-4.38e-06
1348	111	-2.93	1.25	-0.09	-3.85e-04	0.0	2.57e-04
1348	113	2.94	-3.54	0.03	1.07e-03	0.0	-2.64e-04
1348	129	-0.40	-4.73	-0.03	1.42e-03	0.0	-2.00e-04
1348	143	-3.30	1.41	-0.10	-4.35e-04	0.0	2.90e-04
1348	145	3.31	-3.98	0.04	1.21e-03	0.0	-2.97e-04
1348	161	-0.45	-5.32	-0.03	1.60e-03	0.0	-2.26e-04
1348	175	-3.27	1.40	-0.10	-4.34e-04	0.0	2.88e-04
1348	177	3.28	-3.94	0.04	1.20e-03	0.0	-2.94e-04
1348	193	-0.43	-5.32	-0.03	1.60e-03	0.0	-2.29e-04
1348	207	-3.83	1.65	-0.11	-5.11e-04	0.0	3.39e-04
1348	209	3.84	-4.60	0.05	1.40e-03	0.0	-3.44e-04
1348	225	-0.48	-6.25	-0.03	1.88e-03	0.0	-2.73e-04
1349	4	0.02	0.43	-0.02	-1.32e-04	0.0	-1.08e-05
1349	41	7.87e-03	-0.79	-0.03	2.28e-04	0.0	4.85e-06
1349	44	0.01	-0.81	-0.03	2.31e-04	0.0	2.16e-06
1349	68	0.01	0.28	-0.02	-8.77e-05	0.0	-7.41e-06
1349	85	5.75e-03	-0.53	-0.02	1.52e-04	0.0	3.04e-06
1349	88	9.78e-03	-0.54	-0.02	1.54e-04	0.0	1.24e-06
1349	98	9.35e-03	-0.02	-0.02	2.75e-06	0.0	-3.97e-06
1349	104	5.84e-03	-0.12	-0.02	3.12e-05	0.0	-1.34e-06
1349	105	8.83e-03	-0.13	-0.02	3.27e-05	0.0	-2.66e-06
1349	106	5.86e-03	-0.01	-0.02	1.08e-06	0.0	-2.44e-06
1349	107	8.85e-03	-0.02	-0.02	2.51e-06	0.0	-3.75e-06
1349	111	-3.25	1.41	-0.09	-3.84e-04	0.0	2.85e-04
1349	113	3.27	-4.00	0.03	1.07e-03	0.0	-2.89e-04
1349	129	-0.44	-5.34	-0.03	1.42e-03	0.0	-2.20e-04
1349	143	-3.66	1.60	-0.10	-4.34e-04	0.0	3.21e-04
1349	145	3.68	-4.50	0.04	1.21e-03	0.0	-3.25e-04
1349	161	-0.49	-6.02	-0.03	1.60e-03	0.0	-2.48e-04
1349	175	-3.63	1.59	-0.10	-4.33e-04	0.0	3.19e-04
1349	177	3.65	-4.45	0.04	1.19e-03	0.0	-3.23e-04
1349	193	-0.47	-6.01	-0.03	1.60e-03	0.0	-2.51e-04
1349	207	-4.24	1.87	-0.11	-5.10e-04	0.0	3.75e-04
1349	209	4.27	-5.20	0.05	1.40e-03	0.0	-3.78e-04
1349	225	-0.53	-7.06	-0.03	1.88e-03	0.0	-2.99e-04
1350	4	2.43e-03	0.07	-0.09	0.0	5.90e-06	0.0
1350	18	2.15e-03	0.11	-0.08	0.0	5.24e-06	0.0
1350	68	1.69e-03	0.05	-0.06	0.0	4.10e-06	0.0
1350	75	1.50e-03	0.08	-0.06	0.0	3.66e-06	0.0
1350	98	1.34e-03	9.00e-03	-0.05	0.0	3.25e-06	0.0
1350	103	1.28e-03	0.02	-0.05	0.0	3.12e-06	0.0
1350	107	1.27e-03	8.70e-03	-0.05	0.0	3.08e-06	0.0
1350	113	0.41	3.66e-03	-0.05	0.0	1.02e-03	4.46e-05
1350	124	0.26	0.52	-0.05	0.0	6.40e-04	2.72e-05
1350	136	-0.06	0.55	-0.05	0.0	-1.50e-04	-2.87e-05
1350	145	0.46	3.23e-03	-0.05	0.0	1.15e-03	5.01e-05
1350	156	0.29	0.59	-0.05	0.0	7.20e-04	3.07e-05
1350	168	-0.07	0.62	-0.05	0.0	-1.69e-04	-3.23e-05
1350	177	0.45	4.03e-03	-0.05	0.0	1.13e-03	4.93e-05
1350	188	0.29	0.58	-0.05	0.0	7.11e-04	3.04e-05
1350	200	-0.07	0.61	-0.05	0.0	-1.63e-04	-3.27e-05
1350	209	0.53	4.41e-03	-0.05	0.0	1.32e-03	5.79e-05
1350	220	0.33	0.67	-0.05	0.0	8.29e-04	3.60e-05
1350	232	-0.07	0.71	-0.05	0.0	-1.83e-04	-3.91e-05
1351	1	0.0	0.0	0.0	0.0	3.01e-06	0.0
1351	65	0.0	0.0	0.0	0.0	2.18e-06	0.0
1351	97	0.0	0.0	0.0	0.0	2.04e-06	0.0
1351	106	0.0	0.0	0.0	0.0	2.04e-06	0.0
1351	108	0.0	0.0	0.0	0.0	1.02e-03	4.63e-06
1351	140	0.0	0.0	0.0	0.0	1.15e-03	5.21e-06
1351	172	0.0	0.0	0.0	0.0	1.13e-03	5.14e-06
1351	204	0.0	0.0	0.0	0.0	1.32e-03	6.04e-06
1352	4	4.81e-03	0.15	-0.16	0.0	5.67e-06	0.0
1352	18	4.27e-03	0.23	-0.14	0.0	5.03e-06	0.0
1352	68	3.34e-03	0.10	-0.11	0.0	3.94e-06	0.0
1352	75	2.98e-03	0.15	-0.10	0.0	3.52e-06	0.0
1352	98	2.65e-03	0.02	-0.09	0.0	3.12e-06	0.0
1352	103	2.54e-03	0.04	-0.09	0.0	3.00e-06	0.0

1352	107	2.51e-03	0.02	-0.09	0.0	2.95e-06	0.0
1352	113	0.82	6.45e-03	-0.09	0.0	1.01e-03	9.66e-05
1352	124	0.51	1.05	-0.09	0.0	6.35e-04	5.79e-05
1352	136	-0.12	1.11	-0.09	0.0	-1.49e-04	-6.08e-05
1352	145	0.92	5.58e-03	-0.09	0.0	1.14e-03	1.09e-04
1352	156	0.58	1.18	-0.09	0.0	7.14e-04	6.53e-05
1352	168	-0.14	1.24	-0.09	0.0	-1.68e-04	-6.86e-05
1352	177	0.91	7.17e-03	-0.09	0.0	1.12e-03	1.08e-04
1352	188	0.57	1.16	-0.09	0.0	7.05e-04	6.53e-05
1352	200	-0.13	1.23	-0.09	0.0	-1.61e-04	-6.98e-05
1352	209	1.06	7.96e-03	-0.09	0.0	1.31e-03	1.27e-04
1352	220	0.66	1.34	-0.10	0.0	8.22e-04	7.73e-05
1352	232	-0.15	1.44	-0.10	0.0	-1.82e-04	-8.36e-05
1353	4	7.08e-03	0.22	-0.22	0.0	5.20e-06	-1.37e-06
1353	18	6.28e-03	0.33	-0.19	0.0	4.62e-06	0.0
1353	68	4.92e-03	0.15	-0.15	0.0	3.62e-06	0.0
1353	75	4.39e-03	0.23	-0.14	0.0	3.23e-06	0.0
1353	98	3.90e-03	0.02	-0.13	0.0	2.86e-06	0.0
1353	103	3.74e-03	0.06	-0.12	0.0	2.75e-06	0.0
1353	107	3.69e-03	0.02	-0.12	0.0	2.70e-06	0.0
1353	113	1.22	7.68e-03	-0.12	0.0	9.91e-04	-1.27e-04
1353	124	0.77	1.59	-0.13	0.0	6.23e-04	6.63e-06
1353	136	-0.18	1.67	-0.13	0.0	-1.47e-04	-9.56e-05
1353	145	1.37	6.37e-03	-0.12	0.0	1.12e-03	-1.43e-04
1353	156	0.86	1.78	-0.13	0.0	7.01e-04	7.78e-06
1353	168	-0.20	1.87	-0.13	0.0	-1.65e-04	-1.08e-04
1353	177	1.36	8.76e-03	-0.12	0.0	1.10e-03	-1.42e-04
1353	188	0.85	1.75	-0.13	0.0	6.92e-04	8.86e-06
1353	200	-0.20	1.86	-0.13	0.0	-1.59e-04	-1.10e-04
1353	209	1.59	9.94e-03	-0.12	0.0	1.29e-03	-1.67e-04
1353	220	0.99	2.03	-0.13	0.0	8.07e-04	1.15e-05
1353	232	-0.22	2.17	-0.13	0.0	-1.79e-04	-1.32e-04
1354	4	2.24e-03	0.08	-0.06	0.0	5.35e-06	0.0
1354	18	2.03e-03	0.11	-0.05	0.0	4.85e-06	0.0
1354	68	1.56e-03	0.05	-0.04	0.0	3.72e-06	0.0
1354	75	1.41e-03	0.08	-0.04	0.0	3.39e-06	0.0
1354	98	1.21e-03	9.10e-03	-0.03	0.0	2.88e-06	0.0
1354	103	1.17e-03	0.02	-0.03	0.0	2.79e-06	0.0
1354	107	1.14e-03	8.80e-03	-0.03	0.0	2.72e-06	0.0
1354	113	0.39	3.77e-03	-0.03	0.0	9.68e-04	-3.85e-05
1354	124	0.25	0.52	-0.03	0.0	6.17e-04	2.68e-06
1354	136	-0.06	0.55	-0.03	0.0	-1.55e-04	-2.97e-05
1354	145	0.44	3.34e-03	-0.03	0.0	1.09e-03	-4.32e-05
1354	156	0.28	0.59	-0.03	0.0	6.94e-04	3.10e-06
1354	168	-0.07	0.62	-0.03	0.0	-1.74e-04	-3.36e-05
1354	177	0.43	4.14e-03	-0.03	0.0	1.07e-03	-4.28e-05
1354	188	0.28	0.58	-0.03	0.0	6.82e-04	3.41e-06
1354	200	-0.07	0.61	-0.03	0.0	-1.69e-04	-3.43e-05
1354	209	0.51	4.53e-03	-0.03	0.0	1.25e-03	-5.02e-05
1354	220	0.32	0.67	-0.03	0.0	7.94e-04	4.32e-06
1354	232	-0.08	0.71	-0.03	0.0	-1.91e-04	-4.11e-05
1355	1	0.0	0.0	0.0	0.0	2.82e-06	0.0
1355	65	0.0	0.0	0.0	0.0	2.03e-06	0.0
1355	97	0.0	0.0	0.0	0.0	1.83e-06	0.0
1355	106	0.0	0.0	0.0	0.0	1.83e-06	0.0
1355	108	0.0	0.0	0.0	0.0	9.73e-04	-4.03e-06
1355	140	0.0	0.0	0.0	0.0	1.10e-03	-4.53e-06
1355	172	0.0	0.0	0.0	0.0	1.08e-03	-4.49e-06
1355	204	0.0	0.0	0.0	0.0	1.26e-03	-5.26e-06
1356	4	4.38e-03	0.15	-0.11	0.0	5.02e-06	0.0
1356	18	3.97e-03	0.23	-0.10	0.0	4.56e-06	0.0
1356	68	3.05e-03	0.10	-0.08	0.0	3.49e-06	0.0
1356	75	2.77e-03	0.15	-0.07	0.0	3.18e-06	0.0
1356	98	2.36e-03	0.02	-0.07	0.0	2.69e-06	0.0
1356	103	2.29e-03	0.04	-0.06	0.0	2.61e-06	0.0
1356	107	2.23e-03	0.02	-0.06	0.0	2.55e-06	0.0
1356	113	0.78	6.51e-03	-0.06	0.0	9.51e-04	-8.17e-05
1356	124	0.50	1.05	-0.06	0.0	6.06e-04	4.96e-06
1356	136	-0.12	1.11	-0.06	0.0	-1.52e-04	-6.21e-05
1356	145	0.88	5.64e-03	-0.06	0.0	1.07e-03	-9.19e-05
1356	156	0.56	1.18	-0.07	0.0	6.81e-04	5.77e-06
1356	168	-0.14	1.24	-0.06	0.0	-1.71e-04	-7.01e-05
1356	177	0.86	7.24e-03	-0.06	0.0	1.05e-03	-9.13e-05
1356	188	0.55	1.16	-0.07	0.0	6.70e-04	6.42e-06
1356	200	-0.14	1.23	-0.06	0.0	-1.66e-04	-7.18e-05

1356	209	1.01	8.03e-03	-0.06	0.0	1.23e-03	-1.07e-04
1356	220	0.64	1.34	-0.07	0.0	7.80e-04	8.21e-06
1356	232	-0.15	1.44	-0.07	0.0	-1.88e-04	-8.61e-05
1357	4	6.34e-03	0.22	-0.17	0.0	4.50e-06	0.0
1357	18	5.75e-03	0.34	-0.15	0.0	4.11e-06	0.0
1357	68	4.41e-03	0.15	-0.12	0.0	3.12e-06	0.0
1357	75	4.01e-03	0.23	-0.10	0.0	2.86e-06	0.0
1357	98	3.41e-03	0.02	-0.10	0.0	2.39e-06	0.0
1357	103	3.30e-03	0.06	-0.09	0.0	2.33e-06	0.0
1357	107	3.23e-03	0.02	-0.09	0.0	2.27e-06	0.0
1357	113	1.16	7.78e-03	-0.09	0.0	9.25e-04	-1.28e-04
1357	124	0.74	1.59	-0.10	0.0	5.89e-04	6.54e-06
1357	136	-0.19	1.67	-0.10	0.0	-1.49e-04	-9.50e-05
1357	145	1.30	6.47e-03	-0.09	0.0	1.04e-03	-1.44e-04
1357	156	0.83	1.78	-0.10	0.0	6.63e-04	7.65e-06
1357	168	-0.21	1.87	-0.10	0.0	-1.67e-04	-1.07e-04
1357	177	1.28	8.87e-03	-0.09	0.0	1.03e-03	-1.43e-04
1357	188	0.81	1.75	-0.10	0.0	6.52e-04	8.66e-06
1357	200	-0.20	1.86	-0.10	0.0	-1.62e-04	-1.10e-04
1357	209	1.50	0.01	-0.09	0.0	1.20e-03	-1.68e-04
1357	220	0.95	2.03	-0.10	0.0	7.59e-04	1.12e-05
1357	232	-0.23	2.17	-0.10	0.0	-1.83e-04	-1.32e-04
1358	4	2.13e-03	0.08	-0.06	0.0	5.06e-06	0.0
1358	18	1.97e-03	0.12	-0.05	0.0	4.68e-06	0.0
1358	28	1.95e-03	-0.04	-0.06	0.0	4.61e-06	0.0
1358	68	1.48e-03	0.05	-0.04	0.0	3.51e-06	0.0
1358	75	1.37e-03	0.08	-0.03	0.0	3.26e-06	0.0
1358	80	1.36e-03	-0.03	-0.04	0.0	3.22e-06	0.0
1358	98	1.13e-03	9.32e-03	-0.03	0.0	2.66e-06	0.0
1358	103	1.10e-03	0.02	-0.03	0.0	2.60e-06	0.0
1358	107	1.07e-03	9.02e-03	-0.03	0.0	2.52e-06	0.0
1358	108	0.38	0.29	-0.03	0.0	9.23e-04	-4.00e-05
1358	133	0.24	-0.44	-0.03	0.0	5.96e-04	2.56e-06
1358	136	-0.07	0.55	-0.03	0.0	-1.60e-04	-3.00e-05
1358	140	0.42	0.33	-0.03	0.0	1.04e-03	-4.51e-05
1358	165	0.27	-0.50	-0.03	0.0	6.71e-04	2.96e-06
1358	168	-0.07	0.62	-0.03	0.0	-1.80e-04	-3.40e-05
1358	177	0.41	4.38e-03	-0.03	0.0	1.02e-03	-4.49e-05
1358	197	0.27	-0.50	-0.03	0.0	6.58e-04	3.31e-06
1358	200	-0.07	0.61	-0.03	0.0	-1.76e-04	-3.48e-05
1358	209	0.48	4.78e-03	-0.03	0.0	1.19e-03	-5.27e-05
1358	229	0.31	-0.58	-0.03	0.0	7.65e-04	4.22e-06
1358	232	-0.08	0.72	-0.03	0.0	-2.00e-04	-4.18e-05
1359	1	0.0	0.0	0.0	0.0	2.74e-06	0.0
1359	65	0.0	0.0	0.0	0.0	1.97e-06	0.0
1359	97	0.0	0.0	0.0	0.0	1.71e-06	0.0
1359	106	0.0	0.0	0.0	0.0	1.71e-06	0.0
1359	108	0.0	0.0	0.0	0.0	9.31e-04	-4.19e-06
1359	140	0.0	0.0	0.0	0.0	1.05e-03	-4.72e-06
1359	172	0.0	0.0	0.0	0.0	1.03e-03	-4.72e-06
1359	204	0.0	0.0	0.0	0.0	1.20e-03	-5.54e-06
1360	4	4.15e-03	0.15	-0.11	0.0	4.70e-06	0.0
1360	18	3.84e-03	0.23	-0.09	0.0	4.37e-06	0.0
1360	28	3.79e-03	-0.09	-0.11	0.0	4.25e-06	0.0
1360	68	2.88e-03	0.10	-0.08	0.0	3.26e-06	0.0
1360	75	2.67e-03	0.15	-0.07	0.0	3.04e-06	0.0
1360	80	2.64e-03	-0.06	-0.08	0.0	2.97e-06	0.0
1360	98	2.19e-03	0.02	-0.06	0.0	2.45e-06	0.0
1360	103	2.14e-03	0.04	-0.06	0.0	2.41e-06	0.0
1360	107	2.07e-03	0.02	-0.06	0.0	2.32e-06	0.0
1360	108	0.74	0.59	-0.06	0.0	9.03e-04	-8.27e-05
1360	133	0.48	-0.90	-0.06	0.0	5.83e-04	5.08e-06
1360	136	-0.13	1.11	-0.06	0.0	-1.57e-04	-6.17e-05
1360	140	0.84	0.66	-0.06	0.0	1.02e-03	-9.32e-05
1360	165	0.54	-1.01	-0.07	0.0	6.56e-04	5.87e-06
1360	168	-0.15	1.24	-0.06	0.0	-1.76e-04	-6.97e-05
1360	177	0.82	7.42e-03	-0.06	0.0	9.96e-04	-9.28e-05
1360	197	0.53	-1.00	-0.07	0.0	6.43e-04	6.60e-06
1360	200	-0.14	1.23	-0.06	0.0	-1.72e-04	-7.15e-05
1360	209	0.96	8.21e-03	-0.06	0.0	1.16e-03	-1.09e-04
1360	229	0.62	-1.17	-0.07	0.0	7.48e-04	8.42e-06
1360	232	-0.16	1.44	-0.06	0.0	-1.95e-04	-8.58e-05
1361	4	5.96e-03	0.22	-0.17	0.0	4.19e-06	0.0
1361	18	5.52e-03	0.34	-0.14	0.0	3.93e-06	0.0
1361	28	5.43e-03	-0.14	-0.17	0.0	3.73e-06	0.0

1361	68	4.14e-03	0.15	-0.12	0.0	2.91e-06	0.0
1361	75	3.85e-03	0.23	-0.10	0.0	2.73e-06	0.0
1361	80	3.78e-03	-0.09	-0.12	0.0	2.60e-06	0.0
1361	98	3.13e-03	0.02	-0.10	0.0	2.16e-06	0.0
1361	103	3.06e-03	0.06	-0.09	0.0	2.13e-06	0.0
1361	107	2.96e-03	0.02	-0.09	0.0	2.04e-06	0.0
1361	108	1.10	0.89	-0.09	0.0	8.76e-04	-1.24e-04
1361	133	0.71	-1.36	-0.10	0.0	5.66e-04	7.29e-06
1361	136	-0.19	1.67	-0.08	0.0	-1.53e-04	-9.19e-05
1361	140	1.24	1.00	-0.09	0.0	9.86e-04	-1.40e-04
1361	165	0.80	-1.53	-0.10	0.0	6.37e-04	8.45e-06
1361	168	-0.21	1.87	-0.08	0.0	-1.72e-04	-1.04e-04
1361	177	1.21	9.07e-03	-0.09	0.0	9.67e-04	-1.39e-04
1361	197	0.78	-1.51	-0.10	0.0	6.24e-04	9.52e-06
1361	200	-0.21	1.86	-0.08	0.0	-1.67e-04	-1.07e-04
1361	209	1.41	0.01	-0.09	0.0	1.13e-03	-1.64e-04
1361	229	0.91	-1.76	-0.10	0.0	7.26e-04	1.22e-05
1361	232	-0.24	2.17	-0.08	0.0	-1.90e-04	-1.28e-04
1362	4	2.17e-03	0.08	-0.06	0.0	5.16e-06	0.0
1362	18	2.03e-03	0.12	-0.05	0.0	4.85e-06	0.0
1362	28	1.98e-03	-0.04	-0.06	0.0	4.67e-06	0.0
1362	68	1.51e-03	0.05	-0.04	0.0	3.59e-06	0.0
1362	75	1.42e-03	0.08	-0.03	0.0	3.38e-06	0.0
1362	80	1.38e-03	-0.03	-0.04	0.0	3.26e-06	0.0
1362	98	1.14e-03	9.57e-03	-0.03	0.0	2.68e-06	0.0
1362	103	1.12e-03	0.02	-0.03	0.0	2.64e-06	0.0
1362	107	1.08e-03	9.25e-03	-0.03	0.0	2.54e-06	0.0
1362	108	0.36	0.29	-0.03	0.0	8.85e-04	-4.40e-05
1362	135	0.05	-0.53	-0.04	0.0	1.13e-04	3.14e-05
1362	136	-0.07	0.55	-0.03	0.0	-1.66e-04	-3.08e-05
1362	140	0.41	0.33	-0.03	0.0	9.95e-04	-4.96e-05
1362	167	0.05	-0.60	-0.04	0.0	1.26e-04	3.55e-05
1362	168	-0.08	0.62	-0.03	0.0	-1.87e-04	-3.49e-05
1362	177	0.40	4.65e-03	-0.03	0.0	9.71e-04	-4.95e-05
1362	200	-0.07	0.61	-0.03	0.0	-1.84e-04	-3.59e-05
1362	203	0.08	-0.59	-0.04	0.0	1.89e-04	3.61e-05
1362	209	0.46	5.05e-03	-0.03	0.0	1.13e-03	-5.83e-05
1362	232	-0.09	0.72	-0.02	0.0	-2.10e-04	-4.31e-05
1362	235	0.09	-0.70	-0.04	0.0	2.15e-04	4.33e-05
1363	1	0.0	0.0	0.0	0.0	2.86e-06	0.0
1363	65	0.0	0.0	0.0	0.0	2.06e-06	0.0
1363	97	0.0	0.0	0.0	0.0	1.74e-06	0.0
1363	106	0.0	0.0	0.0	0.0	1.74e-06	0.0
1363	108	0.0	0.0	0.0	0.0	8.92e-04	-4.64e-06
1363	140	0.0	0.0	0.0	0.0	1.00e-03	-5.23e-06
1363	172	0.0	0.0	0.0	0.0	9.79e-04	-5.24e-06
1363	204	0.0	0.0	0.0	0.0	1.14e-03	-6.17e-06
1364	4	4.24e-03	0.15	-0.11	0.0	4.80e-06	0.0
1364	18	3.97e-03	0.23	-0.10	0.0	4.54e-06	0.0
1364	28	3.85e-03	-0.09	-0.12	0.0	4.29e-06	0.0
1364	68	2.94e-03	0.10	-0.08	0.0	3.33e-06	0.0
1364	75	2.76e-03	0.15	-0.07	0.0	3.16e-06	0.0
1364	80	2.68e-03	-0.06	-0.08	0.0	2.99e-06	0.0
1364	98	2.20e-03	0.02	-0.07	0.0	2.46e-06	0.0
1364	103	2.17e-03	0.04	-0.06	0.0	2.44e-06	0.0
1364	107	2.09e-03	0.02	-0.06	0.0	2.33e-06	0.0
1364	108	0.71	0.59	-0.06	0.0	8.65e-04	-8.70e-05
1364	135	0.09	-1.07	-0.08	0.0	1.10e-04	6.25e-05
1364	136	-0.13	1.11	-0.05	0.0	-1.62e-04	-6.17e-05
1364	140	0.80	0.66	-0.06	0.0	9.73e-04	-9.80e-05
1364	167	0.10	-1.21	-0.08	0.0	1.23e-04	7.06e-05
1364	168	-0.15	1.24	-0.05	0.0	-1.83e-04	-6.98e-05
1364	177	0.78	7.63e-03	-0.06	0.0	9.50e-04	-9.77e-05
1364	200	-0.15	1.23	-0.05	0.0	-1.80e-04	-7.17e-05
1364	203	0.15	-1.20	-0.08	0.0	1.84e-04	7.20e-05
1364	209	0.91	8.42e-03	-0.07	0.0	1.10e-03	-1.15e-04
1364	232	-0.17	1.44	-0.05	0.0	-2.05e-04	-8.61e-05
1364	235	0.17	-1.40	-0.08	0.0	2.10e-04	8.64e-05
1365	4	6.09e-03	0.22	-0.17	0.0	4.28e-06	0.0
1365	18	5.72e-03	0.34	-0.15	0.0	4.09e-06	0.0
1365	28	5.49e-03	-0.14	-0.18	0.0	3.72e-06	0.0
1365	68	4.23e-03	0.15	-0.12	0.0	2.96e-06	0.0
1365	75	3.98e-03	0.23	-0.10	0.0	2.84e-06	0.0
1365	80	3.83e-03	-0.09	-0.12	0.0	2.60e-06	0.0
1365	98	3.15e-03	0.02	-0.10	0.0	2.15e-06	0.0

1365	103	3.11e-03	0.06	-0.10	0.0	2.14e-06	0.0
1365	107	2.98e-03	0.02	-0.10	0.0	2.03e-06	0.0
1365	108	1.05	0.89	-0.09	0.0	8.42e-04	-1.24e-04
1365	135	0.13	-1.62	-0.11	0.0	1.07e-04	9.01e-05
1365	136	-0.20	1.67	-0.08	0.0	-1.58e-04	-8.94e-05
1365	140	1.19	1.00	-0.09	0.0	9.47e-04	-1.39e-04
1365	167	0.15	-1.82	-0.12	0.0	1.19e-04	1.02e-04
1365	168	-0.22	1.87	-0.07	0.0	-1.78e-04	-1.01e-04
1365	177	1.16	9.29e-03	-0.10	0.0	9.24e-04	-1.38e-04
1365	200	-0.22	1.86	-0.08	0.0	-1.75e-04	-1.04e-04
1365	203	0.22	-1.81	-0.12	0.0	1.79e-04	1.04e-04
1365	209	1.34	0.01	-0.10	0.0	1.07e-03	-1.63e-04
1365	232	-0.25	2.17	-0.07	0.0	-1.99e-04	-1.24e-04
1365	235	0.26	-2.12	-0.12	0.0	2.03e-04	1.25e-04
1366	4	2.35e-03	0.08	-0.07	0.0	5.64e-06	0.0
1366	18	2.20e-03	0.12	-0.06	0.0	5.32e-06	0.0
1366	28	2.17e-03	-0.04	-0.07	0.0	5.14e-06	0.0
1366	68	1.64e-03	0.05	-0.05	0.0	3.92e-06	0.0
1366	75	1.54e-03	0.08	-0.04	0.0	3.71e-06	0.0
1366	80	1.51e-03	-0.03	-0.05	0.0	3.59e-06	0.0
1366	98	1.23e-03	9.78e-03	-0.04	0.0	2.93e-06	0.0
1366	103	1.21e-03	0.02	-0.04	0.0	2.90e-06	0.0
1366	107	1.17e-03	9.45e-03	-0.04	0.0	2.78e-06	0.0
1366	108	0.34	0.29	-0.03	0.0	8.44e-04	-5.91e-05
1366	136	-0.07	0.55	-0.02	0.0	-1.70e-04	-3.97e-05
1366	139	0.07	-0.53	-0.05	0.0	1.76e-04	4.01e-05
1366	140	0.38	0.33	-0.03	0.0	9.50e-04	-6.66e-05
1366	168	-0.08	0.62	-0.02	0.0	-1.92e-04	-4.49e-05
1366	171	0.08	-0.60	-0.05	0.0	1.98e-04	4.53e-05
1366	177	0.37	4.87e-03	-0.04	0.0	9.22e-04	-6.66e-05
1366	200	-0.08	0.61	-0.02	0.0	-1.90e-04	-4.57e-05
1366	203	0.08	-0.59	-0.05	0.0	1.96e-04	4.61e-05
1366	209	0.43	5.28e-03	-0.04	0.0	1.07e-03	-7.84e-05
1366	232	-0.09	0.71	-0.02	0.0	-2.18e-04	-5.46e-05
1366	235	0.09	-0.70	-0.05	0.0	2.24e-04	5.50e-05
1367	1	0.0	0.0	0.0	0.0	3.15e-06	0.0
1367	65	0.0	0.0	0.0	0.0	2.27e-06	0.0
1367	97	0.0	0.0	0.0	0.0	1.92e-06	0.0
1367	106	0.0	0.0	0.0	0.0	1.92e-06	0.0
1367	108	0.0	0.0	0.0	0.0	8.47e-04	-6.03e-06
1367	140	0.0	0.0	0.0	0.0	9.52e-04	-6.80e-06
1367	172	0.0	0.0	0.0	0.0	9.25e-04	-6.80e-06
1367	204	0.0	0.0	0.0	0.0	1.07e-03	-8.01e-06
1368	4	4.62e-03	0.15	-0.13	0.0	5.32e-06	0.0
1368	18	4.34e-03	0.23	-0.11	0.0	5.05e-06	0.0
1368	28	4.23e-03	-0.09	-0.13	0.0	4.77e-06	0.0
1368	68	3.21e-03	0.10	-0.09	0.0	3.69e-06	0.0
1368	75	3.02e-03	0.15	-0.08	0.0	3.52e-06	0.0
1368	80	2.96e-03	-0.06	-0.09	0.0	3.33e-06	0.0
1368	98	2.41e-03	0.02	-0.08	0.0	2.72e-06	0.0
1368	103	2.38e-03	0.04	-0.07	0.0	2.71e-06	0.0
1368	107	2.29e-03	0.02	-0.07	0.0	2.58e-06	0.0
1368	108	0.68	0.59	-0.06	0.0	8.38e-04	-1.05e-04
1368	136	-0.14	1.11	-0.05	0.0	-1.69e-04	-7.02e-05
1368	139	0.14	-1.07	-0.10	0.0	1.75e-04	7.10e-05
1368	140	0.76	0.66	-0.06	0.0	9.43e-04	-1.18e-04
1368	168	-0.15	1.24	-0.04	0.0	-1.91e-04	-7.94e-05
1368	171	0.16	-1.21	-0.10	0.0	1.96e-04	8.02e-05
1368	177	0.74	7.79e-03	-0.08	0.0	9.15e-04	-1.18e-04
1368	200	-0.15	1.23	-0.04	0.0	-1.89e-04	-8.13e-05
1368	203	0.16	-1.20	-0.10	0.0	1.94e-04	8.21e-05
1368	209	0.86	8.60e-03	-0.08	0.0	1.06e-03	-1.39e-04
1368	232	-0.18	1.44	-0.04	0.0	-2.17e-04	-9.75e-05
1368	235	0.18	-1.40	-0.11	0.0	2.22e-04	9.83e-05
1369	4	6.70e-03	0.22	-0.19	0.0	4.78e-06	1.33e-06
1369	18	6.32e-03	0.34	-0.16	0.0	4.61e-06	1.26e-06
1369	28	6.09e-03	-0.14	-0.20	0.0	4.14e-06	1.35e-06
1369	68	4.66e-03	0.15	-0.13	0.0	3.31e-06	0.0
1369	75	4.41e-03	0.23	-0.12	0.0	3.20e-06	0.0
1369	80	4.25e-03	-0.09	-0.14	0.0	2.89e-06	0.0
1369	98	3.47e-03	0.02	-0.11	0.0	2.38e-06	0.0
1369	103	3.43e-03	0.06	-0.11	0.0	2.39e-06	0.0
1369	107	3.29e-03	0.02	-0.11	0.0	2.26e-06	0.0
1369	108	1.01	0.89	-0.09	0.0	8.28e-04	-1.32e-04
1369	136	-0.20	1.67	-0.07	0.0	-1.68e-04	-9.04e-05

1369	139	0.21	-1.62	-0.15	0.0	1.72e-04	9.18e-05
1369	140	1.14	1.00	-0.09	0.0	9.31e-04	-1.49e-04
1369	168	-0.23	1.87	-0.07	0.0	-1.89e-04	-1.02e-04
1369	171	0.24	-1.83	-0.15	0.0	1.93e-04	1.04e-04
1369	177	1.10	9.48e-03	-0.11	0.0	9.04e-04	-1.47e-04
1369	200	-0.23	1.86	-0.07	0.0	-1.86e-04	-1.05e-04
1369	203	0.23	-1.81	-0.15	0.0	1.91e-04	1.06e-04
1369	209	1.28	0.01	-0.11	0.0	1.05e-03	-1.73e-04
1369	232	-0.26	2.17	-0.06	0.0	-2.14e-04	-1.26e-04
1369	235	0.27	-2.12	-0.16	0.0	2.18e-04	1.27e-04
1370	4	2.57e-03	0.08	-0.11	0.0	6.31e-06	0.0
1370	18	2.38e-03	0.12	-0.09	0.0	5.92e-06	0.0
1370	28	2.44e-03	-0.04	-0.12	0.0	5.86e-06	0.0
1370	68	1.79e-03	0.05	-0.08	0.0	4.39e-06	0.0
1370	75	1.66e-03	0.08	-0.07	0.0	4.13e-06	0.0
1370	80	1.71e-03	-0.03	-0.09	0.0	4.10e-06	0.0
1370	98	1.37e-03	9.78e-03	-0.07	0.0	3.32e-06	0.0
1370	103	1.35e-03	0.02	-0.06	0.0	3.27e-06	0.0
1370	107	1.31e-03	9.45e-03	-0.07	0.0	3.15e-06	0.0
1370	113	0.30	4.51e-03	-0.07	0.0	7.79e-04	-9.09e-05
1370	136	-0.06	0.55	-0.04	0.0	-1.68e-04	-6.40e-05
1370	139	0.07	-0.53	-0.09	0.0	1.74e-04	6.45e-05
1370	145	0.33	4.09e-03	-0.07	0.0	8.76e-04	-1.02e-04
1370	168	-0.07	0.62	-0.04	0.0	-1.90e-04	-7.21e-05
1370	171	0.07	-0.60	-0.09	0.0	1.96e-04	7.26e-05
1370	177	0.32	4.89e-03	-0.07	0.0	8.46e-04	-1.01e-04
1370	200	-0.07	0.61	-0.04	0.0	-1.89e-04	-7.18e-05
1370	203	0.07	-0.59	-0.09	0.0	1.95e-04	7.23e-05
1370	209	0.37	5.29e-03	-0.07	0.0	9.77e-04	-1.18e-04
1370	232	-0.08	0.71	-0.04	0.0	-2.18e-04	-8.47e-05
1370	235	0.09	-0.70	-0.09	0.0	2.24e-04	8.53e-05
1371	1	0.0	0.0	0.0	0.0	3.49e-06	0.0
1371	65	0.0	0.0	0.0	0.0	2.51e-06	0.0
1371	97	0.0	0.0	0.0	0.0	2.18e-06	0.0
1371	106	0.0	0.0	0.0	0.0	2.18e-06	0.0
1371	108	0.0	0.0	0.0	0.0	7.57e-04	-1.06e-05
1371	140	0.0	0.0	0.0	0.0	8.52e-04	-1.19e-05
1371	172	0.0	0.0	0.0	0.0	8.23e-04	-1.18e-05
1371	204	0.0	0.0	0.0	0.0	9.50e-04	-1.39e-05
1372	4	5.11e-03	0.15	-0.20	0.0	6.15e-06	0.0
1372	18	4.77e-03	0.23	-0.17	0.0	5.84e-06	0.0
1372	28	4.80e-03	-0.09	-0.21	0.0	5.57e-06	0.0
1372	68	3.56e-03	0.10	-0.14	0.0	4.28e-06	0.0
1372	75	3.33e-03	0.15	-0.12	0.0	4.07e-06	0.0
1372	80	3.35e-03	-0.06	-0.15	0.0	3.89e-06	0.0
1372	98	2.71e-03	0.02	-0.12	0.0	3.17e-06	0.0
1372	103	2.66e-03	0.04	-0.11	0.0	3.15e-06	0.0
1372	107	2.57e-03	0.02	-0.12	0.0	3.01e-06	0.0
1372	113	0.62	7.04e-03	-0.12	0.0	8.23e-04	-1.51e-04
1372	136	-0.13	1.11	-0.07	0.0	-1.78e-04	-1.04e-04
1372	139	0.14	-1.07	-0.16	0.0	1.84e-04	1.05e-04
1372	145	0.69	6.18e-03	-0.12	0.0	9.26e-04	-1.71e-04
1372	168	-0.15	1.24	-0.06	0.0	-2.01e-04	-1.17e-04
1372	171	0.15	-1.21	-0.17	0.0	2.07e-04	1.18e-04
1372	177	0.67	7.78e-03	-0.12	0.0	8.94e-04	-1.69e-04
1372	200	-0.15	1.23	-0.07	0.0	-2.00e-04	-1.18e-04
1372	203	0.15	-1.20	-0.16	0.0	2.06e-04	1.19e-04
1372	209	0.77	8.59e-03	-0.12	0.0	1.03e-03	-1.99e-04
1372	232	-0.17	1.44	-0.06	0.0	-2.31e-04	-1.40e-04
1372	235	0.18	-1.40	-0.17	0.0	2.37e-04	1.41e-04
1373	4	7.61e-03	0.22	-0.27	0.0	5.74e-06	1.59e-06
1373	18	7.15e-03	0.34	-0.23	0.0	5.56e-06	1.45e-06
1373	28	7.04e-03	-0.14	-0.29	0.0	5.02e-06	1.68e-06
1373	68	5.30e-03	0.15	-0.19	0.0	3.99e-06	1.12e-06
1373	75	4.99e-03	0.23	-0.16	0.0	3.86e-06	1.02e-06
1373	80	4.91e-03	-0.09	-0.21	0.0	3.50e-06	1.18e-06
1373	98	3.98e-03	0.02	-0.17	0.0	2.87e-06	0.0
1373	103	3.93e-03	0.06	-0.16	0.0	2.88e-06	0.0
1373	107	3.78e-03	0.02	-0.16	0.0	2.73e-06	0.0
1373	113	0.96	8.44e-03	-0.16	0.0	8.61e-04	-1.48e-04
1373	136	-0.21	1.67	-0.09	0.0	-1.87e-04	-9.79e-05
1373	139	0.21	-1.62	-0.23	0.0	1.92e-04	9.96e-05
1373	145	1.08	7.14e-03	-0.16	0.0	9.68e-04	-1.67e-04
1373	168	-0.23	1.87	-0.08	0.0	-2.11e-04	-1.11e-04
1373	171	0.24	-1.83	-0.23	0.0	2.16e-04	1.12e-04

1373	177	1.04	9.54e-03	-0.16	0.0	9.35e-04	-1.66e-04
1373	200	-0.23	1.86	-0.08	0.0	-2.09e-04	-1.13e-04
1373	203	0.24	-1.81	-0.23	0.0	2.15e-04	1.15e-04
1373	209	1.20	0.01	-0.16	0.0	1.08e-03	-1.96e-04
1373	232	-0.27	2.17	-0.07	0.0	-2.41e-04	-1.36e-04
1373	235	0.28	-2.12	-0.25	0.0	2.47e-04	1.37e-04
1374	18	2.50e-03	0.12	-0.07	-2.98e-04	0.0	0.0
1374	28	2.80e-03	-0.04	-0.10	1.16e-04	0.0	0.0
1374	75	1.76e-03	0.08	-0.05	-2.00e-04	0.0	0.0
1374	80	1.95e-03	-0.03	-0.07	7.57e-05	0.0	0.0
1374	98	1.55e-03	0.01	-0.06	-2.13e-05	0.0	0.0
1374	103	1.49e-03	0.02	-0.05	-5.63e-05	0.0	0.0
1374	107	1.47e-03	9.87e-03	-0.05	-2.06e-05	0.0	0.0
1374	113	0.22	4.92e-03	-0.06	-8.04e-06	0.0	-3.51e-05
1374	136	-0.05	0.55	4.49e-03	-1.39e-03	0.0	-2.68e-05
1374	139	0.05	-0.53	-0.11	1.34e-03	0.0	2.68e-05
1374	145	0.24	4.49e-03	-0.06	-6.96e-06	0.0	-3.95e-05
1374	168	-0.06	0.62	0.01	-1.56e-03	0.0	-3.02e-05
1374	171	0.06	-0.60	-0.12	1.52e-03	0.0	3.03e-05
1374	177	0.23	5.29e-03	-0.06	-8.96e-06	0.0	-3.92e-05
1374	200	-0.06	0.61	0.01	-1.54e-03	0.0	-3.06e-05
1374	203	0.06	-0.59	-0.12	1.50e-03	0.0	3.07e-05
1374	209	0.27	5.70e-03	-0.06	-9.96e-06	0.0	-4.59e-05
1374	232	-0.07	0.71	0.02	-1.80e-03	0.0	-3.66e-05
1374	235	0.07	-0.69	-0.13	1.76e-03	0.0	3.67e-05
1375	1	0.0	0.0	0.0	-1.85e-04	0.0	0.0
1375	65	0.0	0.0	0.0	-1.25e-04	0.0	0.0
1375	97	0.0	0.0	0.0	-1.74e-05	0.0	0.0
1375	106	0.0	0.0	0.0	-1.74e-05	0.0	0.0
1375	108	0.0	0.0	0.0	-7.39e-04	0.0	-3.64e-06
1375	140	0.0	0.0	0.0	-8.29e-04	0.0	-4.10e-06
1375	172	0.0	0.0	0.0	-8.18e-04	0.0	-4.06e-06
1375	204	0.0	0.0	0.0	-9.51e-04	0.0	-4.75e-06
1376	4	5.42e-03	0.15	-0.16	-1.86e-04	0.0	0.0
1376	18	4.97e-03	0.23	-0.13	-2.88e-04	0.0	1.13e-06
1376	28	5.30e-03	-0.09	-0.19	1.20e-04	0.0	0.0
1376	68	3.78e-03	0.10	-0.11	-1.25e-04	0.0	0.0
1376	75	3.49e-03	0.16	-0.09	-1.93e-04	0.0	0.0
1376	80	3.70e-03	-0.06	-0.13	7.84e-05	0.0	0.0
1376	98	2.95e-03	0.02	-0.10	-1.84e-05	0.0	0.0
1376	103	2.88e-03	0.05	-0.10	-5.25e-05	0.0	0.0
1376	107	2.81e-03	0.02	-0.10	-1.77e-05	0.0	0.0
1376	113	0.49	7.38e-03	-0.10	-5.00e-06	0.0	-7.17e-05
1376	136	-0.11	1.11	0.01	-1.40e-03	0.0	-5.47e-05
1376	139	0.12	-1.07	-0.21	1.36e-03	0.0	5.48e-05
1376	145	0.55	6.52e-03	-0.10	-3.90e-06	0.0	-8.08e-05
1376	168	-0.13	1.24	0.03	-1.57e-03	0.0	-6.18e-05
1376	171	0.13	-1.21	-0.22	1.53e-03	0.0	6.19e-05
1376	177	0.53	8.12e-03	-0.10	-5.90e-06	0.0	-8.02e-05
1376	200	-0.13	1.23	0.02	-1.56e-03	0.0	-6.26e-05
1376	203	0.13	-1.20	-0.22	1.52e-03	0.0	6.27e-05
1376	209	0.61	8.93e-03	-0.11	-6.89e-06	0.0	-9.38e-05
1376	232	-0.15	1.44	0.04	-1.82e-03	0.0	-7.48e-05
1376	235	0.15	-1.40	-0.24	1.78e-03	0.0	7.49e-05
1377	4	8.42e-03	0.22	-0.23	-1.76e-04	0.0	1.11e-06
1377	18	7.88e-03	0.34	-0.19	-2.74e-04	0.0	1.69e-06
1377	28	7.92e-03	-0.14	-0.27	1.22e-04	0.0	0.0
1377	68	5.87e-03	0.15	-0.16	-1.18e-04	0.0	0.0
1377	75	5.51e-03	0.23	-0.13	-1.84e-04	0.0	1.13e-06
1377	80	5.53e-03	-0.09	-0.19	8.05e-05	0.0	0.0
1377	98	4.46e-03	0.02	-0.15	-1.53e-05	0.0	0.0
1377	103	4.39e-03	0.06	-0.14	-4.84e-05	0.0	0.0
1377	107	4.24e-03	0.02	-0.14	-1.48e-05	0.0	0.0
1377	113	0.89	8.75e-03	-0.15	-1.94e-06	0.0	-1.07e-04
1377	136	-0.20	1.67	0.02	-1.41e-03	0.0	-8.12e-05
1377	139	0.21	-1.62	-0.30	1.38e-03	0.0	8.14e-05
1377	145	1.00	7.44e-03	-0.15	0.0	0.0	-1.20e-04
1377	168	-0.23	1.87	0.04	-1.58e-03	0.0	-9.17e-05
1377	171	0.24	-1.83	-0.32	1.55e-03	0.0	9.19e-05
1377	177	0.96	9.84e-03	-0.15	-2.82e-06	0.0	-1.19e-04
1377	200	-0.23	1.86	0.03	-1.57e-03	0.0	-9.30e-05
1377	203	0.24	-1.81	-0.32	1.54e-03	0.0	9.31e-05
1377	209	1.10	0.01	-0.15	-3.81e-06	0.0	-1.39e-04
1377	232	-0.27	2.17	0.06	-1.83e-03	0.0	-1.11e-04
1377	235	0.27	-2.12	-0.34	1.80e-03	0.0	1.11e-04

1378	4	9.36e-03	0.29	-0.29	0.0	4.29e-06	-2.28e-06
1378	18	8.31e-03	0.45	-0.25	0.0	3.83e-06	-1.69e-06
1378	68	6.51e-03	0.20	-0.20	0.0	2.98e-06	-1.60e-06
1378	75	5.81e-03	0.30	-0.18	0.0	2.67e-06	-1.21e-06
1378	98	5.16e-03	0.03	-0.16	0.0	2.35e-06	-1.49e-06
1378	103	4.95e-03	0.08	-0.15	0.0	2.26e-06	-1.34e-06
1378	107	4.88e-03	0.03	-0.15	0.0	2.22e-06	-1.41e-06
1378	113	1.66	7.09e-03	-0.16	0.0	9.51e-04	-1.93e-04
1378	124	1.04	2.19	-0.17	0.0	5.98e-04	7.73e-06
1378	136	-0.25	2.30	-0.17	0.0	-1.42e-04	-1.41e-04
1378	145	1.87	5.27e-03	-0.16	0.0	1.07e-03	-2.17e-04
1378	156	1.18	2.46	-0.18	0.0	6.73e-04	9.18e-06
1378	168	-0.28	2.59	-0.17	0.0	-1.59e-04	-1.59e-04
1378	177	1.85	8.57e-03	-0.16	0.0	1.06e-03	-2.17e-04
1378	188	1.16	2.42	-0.17	0.0	6.64e-04	1.07e-05
1378	200	-0.27	2.57	-0.17	0.0	-1.53e-04	-1.64e-04
1378	209	2.16	0.01	-0.16	0.0	1.24e-03	-2.55e-04
1378	220	1.35	2.80	-0.18	0.0	7.74e-04	1.41e-05
1378	232	-0.30	3.00	-0.18	0.0	-1.72e-04	-1.96e-04
1379	4	0.01	0.36	-0.36	0.0	2.98e-06	-3.05e-06
1379	18	9.88e-03	0.56	-0.31	0.0	2.69e-06	-2.28e-06
1379	68	7.73e-03	0.24	-0.25	0.0	2.07e-06	-2.14e-06
1379	75	6.90e-03	0.38	-0.22	0.0	1.87e-06	-1.62e-06
1379	98	6.12e-03	0.03	-0.20	0.0	1.61e-06	-1.99e-06
1379	103	5.87e-03	0.10	-0.19	0.0	1.56e-06	-1.79e-06
1379	107	5.78e-03	0.03	-0.19	0.0	1.53e-06	-1.88e-06
1379	113	2.08	3.97e-03	-0.20	0.0	8.97e-04	-2.54e-04
1379	124	1.31	2.80	-0.22	0.0	5.64e-04	8.99e-06
1379	136	-0.31	2.94	-0.22	0.0	-1.35e-04	-1.83e-04
1379	145	2.34	1.63e-03	-0.20	0.0	1.01e-03	-2.86e-04
1379	156	1.47	3.14	-0.22	0.0	6.34e-04	1.07e-05
1379	168	-0.35	3.30	-0.22	0.0	-1.52e-04	-2.07e-04
1379	177	2.31	5.82e-03	-0.20	0.0	9.97e-04	-2.86e-04
1379	188	1.45	3.09	-0.22	0.0	6.26e-04	1.27e-05
1379	200	-0.33	3.28	-0.22	0.0	-1.46e-04	-2.13e-04
1379	209	2.70	7.86e-03	-0.20	0.0	1.17e-03	-3.37e-04
1379	220	1.69	3.58	-0.22	0.0	7.30e-04	1.69e-05
1379	232	-0.38	3.83	-0.22	0.0	-1.64e-04	-2.56e-04
1380	4	8.23e-03	0.29	-0.23	0.0	3.75e-06	-1.46e-06
1380	18	7.48e-03	0.45	-0.20	0.0	3.45e-06	0.0
1380	68	5.72e-03	0.20	-0.16	0.0	2.60e-06	-1.02e-06
1380	75	5.22e-03	0.30	-0.14	0.0	2.40e-06	0.0
1380	98	4.41e-03	0.03	-0.13	0.0	1.97e-06	-1.01e-06
1380	103	4.28e-03	0.08	-0.13	0.0	1.93e-06	0.0
1380	107	4.17e-03	0.03	-0.13	0.0	1.86e-06	0.0
1380	113	1.56	7.33e-03	-0.13	0.0	8.91e-04	-1.81e-04
1380	124	1.00	2.19	-0.13	0.0	5.68e-04	8.01e-06
1380	136	-0.25	2.30	-0.13	0.0	-1.44e-04	-1.33e-04
1380	145	1.76	5.51e-03	-0.13	0.0	1.00e-03	-2.04e-04
1380	156	1.12	2.46	-0.13	0.0	6.39e-04	9.43e-06
1380	168	-0.28	2.59	-0.13	0.0	-1.62e-04	-1.50e-04
1380	177	1.73	8.81e-03	-0.13	0.0	9.88e-04	-2.04e-04
1380	188	1.10	2.42	-0.13	0.0	6.28e-04	1.08e-05
1380	200	-0.27	2.57	-0.13	0.0	-1.57e-04	-1.54e-04
1380	209	2.02	0.01	-0.13	0.0	1.15e-03	-2.39e-04
1380	220	1.28	2.80	-0.13	0.0	7.31e-04	1.42e-05
1380	232	-0.31	3.00	-0.13	0.0	-1.77e-04	-1.85e-04
1381	4	9.73e-03	0.36	-0.31	0.0	2.96e-06	-1.77e-06
1381	18	8.87e-03	0.56	-0.26	0.0	2.77e-06	-1.18e-06
1381	68	6.76e-03	0.24	-0.21	0.0	2.05e-06	-1.24e-06
1381	75	6.18e-03	0.38	-0.18	0.0	1.92e-06	0.0
1381	98	5.19e-03	0.03	-0.17	0.0	1.52e-06	-1.26e-06
1381	103	5.04e-03	0.10	-0.17	0.0	1.50e-06	-1.09e-06
1381	107	4.91e-03	0.03	-0.17	0.0	1.44e-06	-1.18e-06
1381	113	1.96	4.51e-03	-0.17	0.0	8.60e-04	-2.27e-04
1381	124	1.25	2.80	-0.17	0.0	5.48e-04	9.57e-06
1381	136	-0.31	2.94	-0.17	0.0	-1.40e-04	-1.66e-04
1381	145	2.20	2.17e-03	-0.17	0.0	9.68e-04	-2.56e-04
1381	156	1.40	3.14	-0.17	0.0	6.16e-04	1.13e-05
1381	168	-0.35	3.30	-0.17	0.0	-1.57e-04	-1.88e-04
1381	177	2.17	6.36e-03	-0.17	0.0	9.52e-04	-2.56e-04
1381	188	1.38	3.09	-0.17	0.0	6.06e-04	1.30e-05
1381	200	-0.34	3.28	-0.17	0.0	-1.52e-04	-1.93e-04
1381	209	2.53	8.41e-03	-0.17	0.0	1.11e-03	-3.01e-04
1381	220	1.61	3.58	-0.17	0.0	7.05e-04	1.71e-05

1381	232	-0.39	3.83	-0.17	0.0	-1.72e-04	-2.31e-04
1382	4	7.70e-03	0.29	-0.23	0.0	3.56e-06	0.0
1382	18	7.16e-03	0.45	-0.20	0.0	3.39e-06	0.0
1382	28	6.95e-03	-0.19	-0.23	0.0	3.09e-06	0.0
1382	68	5.34e-03	0.20	-0.16	0.0	2.47e-06	0.0
1382	75	4.98e-03	0.30	-0.14	0.0	2.35e-06	0.0
1382	80	4.85e-03	-0.13	-0.16	0.0	2.15e-06	0.0
1382	98	4.01e-03	0.03	-0.13	0.0	1.79e-06	0.0
1382	103	3.94e-03	0.08	-0.13	0.0	1.78e-06	0.0
1382	107	3.80e-03	0.03	-0.13	0.0	1.69e-06	0.0
1382	108	1.49	1.23	-0.13	0.0	8.49e-04	-1.69e-04
1382	133	0.96	-1.88	-0.14	0.0	5.49e-04	9.71e-06
1382	136	-0.26	2.30	-0.12	0.0	-1.48e-04	-1.25e-04
1382	140	1.67	1.38	-0.13	0.0	9.55e-04	-1.90e-04
1382	165	1.08	-2.12	-0.14	0.0	6.17e-04	1.13e-05
1382	168	-0.29	2.59	-0.12	0.0	-1.67e-04	-1.41e-04
1382	177	1.64	9.13e-03	-0.13	0.0	9.37e-04	-1.89e-04
1382	197	1.06	-2.09	-0.14	0.0	6.05e-04	1.27e-05
1382	200	-0.28	2.57	-0.12	0.0	-1.62e-04	-1.45e-04
1382	209	1.91	0.01	-0.13	0.0	1.09e-03	-2.23e-04
1382	229	1.23	-2.44	-0.14	0.0	7.03e-04	1.62e-05
1382	232	-0.32	3.00	-0.12	0.0	-1.84e-04	-1.73e-04
1383	4	9.13e-03	0.36	-0.30	0.0	3.02e-06	0.0
1383	18	8.54e-03	0.56	-0.26	0.0	2.93e-06	0.0
1383	28	8.17e-03	-0.25	-0.31	0.0	2.53e-06	0.0
1383	68	6.34e-03	0.24	-0.21	0.0	2.09e-06	0.0
1383	75	5.94e-03	0.38	-0.18	0.0	2.03e-06	0.0
1383	80	5.70e-03	-0.16	-0.21	0.0	1.76e-06	0.0
1383	98	4.72e-03	0.03	-0.17	0.0	1.47e-06	0.0
1383	103	4.65e-03	0.10	-0.17	0.0	1.48e-06	0.0
1383	107	4.47e-03	0.03	-0.17	0.0	1.39e-06	0.0
1383	108	1.86	1.57	-0.16	0.0	8.28e-04	-2.09e-04
1383	133	1.20	-2.41	-0.18	0.0	5.36e-04	1.22e-05
1383	136	-0.32	2.94	-0.16	0.0	-1.45e-04	-1.54e-04
1383	145	2.09	2.81e-03	-0.17	0.0	9.33e-04	-2.35e-04
1383	165	1.35	-2.71	-0.18	0.0	6.03e-04	1.42e-05
1383	168	-0.36	3.31	-0.15	0.0	-1.63e-04	-1.75e-04
1383	177	2.05	7.00e-03	-0.17	0.0	9.14e-04	-2.34e-04
1383	197	1.33	-2.68	-0.18	0.0	5.91e-04	1.59e-05
1383	200	-0.36	3.28	-0.15	0.0	-1.59e-04	-1.79e-04
1383	209	2.39	9.05e-03	-0.17	0.0	1.06e-03	-2.75e-04
1383	229	1.54	-3.13	-0.18	0.0	6.86e-04	2.03e-05
1383	232	-0.40	3.83	-0.15	0.0	-1.80e-04	-2.15e-04
1384	4	7.86e-03	0.29	-0.24	0.0	3.62e-06	0.0
1384	18	7.43e-03	0.45	-0.21	0.0	3.54e-06	1.03e-06
1384	28	7.00e-03	-0.19	-0.25	0.0	3.01e-06	0.0
1384	68	5.45e-03	0.20	-0.17	0.0	2.50e-06	0.0
1384	75	5.17e-03	0.30	-0.15	0.0	2.45e-06	0.0
1384	80	4.88e-03	-0.13	-0.17	0.0	2.10e-06	0.0
1384	98	4.02e-03	0.03	-0.14	0.0	1.75e-06	0.0
1384	103	3.99e-03	0.08	-0.13	0.0	1.77e-06	0.0
1384	107	3.81e-03	0.03	-0.13	0.0	1.66e-06	0.0
1384	108	1.43	1.23	-0.12	0.0	8.19e-04	-1.61e-04
1384	135	0.18	-2.24	-0.16	0.0	1.03e-04	1.19e-04
1384	136	-0.27	2.30	-0.11	0.0	-1.54e-04	-1.19e-04
1384	140	1.60	1.38	-0.12	0.0	9.22e-04	-1.81e-04
1384	167	0.20	-2.53	-0.16	0.0	1.16e-04	1.35e-04
1384	168	-0.30	2.59	-0.10	0.0	-1.74e-04	-1.35e-04
1384	172	1.56	1.36	-0.12	0.0	8.99e-04	-1.80e-04
1384	200	-0.30	2.57	-0.10	0.0	-1.70e-04	-1.38e-04
1384	203	0.30	-2.51	-0.16	0.0	1.73e-04	1.38e-04
1384	209	1.82	0.01	-0.14	0.0	1.04e-03	-2.10e-04
1384	232	-0.34	3.00	-0.10	0.0	-1.94e-04	-1.65e-04
1384	235	0.35	-2.94	-0.17	0.0	1.97e-04	1.66e-04
1385	4	9.31e-03	0.36	-0.32	0.0	3.05e-06	1.09e-06
1385	18	8.88e-03	0.56	-0.27	0.0	3.06e-06	1.27e-06
1385	28	8.17e-03	-0.25	-0.32	0.0	2.38e-06	0.0
1385	68	6.46e-03	0.24	-0.22	0.0	2.10e-06	0.0
1385	75	6.17e-03	0.38	-0.19	0.0	2.11e-06	0.0
1385	80	5.70e-03	-0.16	-0.23	0.0	1.65e-06	0.0
1385	98	4.71e-03	0.03	-0.18	0.0	1.40e-06	0.0
1385	103	4.69e-03	0.10	-0.17	0.0	1.44e-06	0.0
1385	107	4.46e-03	0.03	-0.17	0.0	1.32e-06	0.0
1385	108	1.79	1.57	-0.16	0.0	8.04e-04	-1.95e-04
1385	135	0.23	-2.87	-0.21	0.0	1.01e-04	1.47e-04

1385	136	-0.34	2.94	-0.14	0.0	-1.52e-04	-1.48e-04
1385	140	2.01	1.76	-0.16	0.0	9.05e-04	-2.20e-04
1385	167	0.25	-3.23	-0.21	0.0	1.13e-04	1.66e-04
1385	168	-0.38	3.31	-0.14	0.0	-1.71e-04	-1.67e-04
1385	172	1.96	1.74	-0.16	0.0	8.83e-04	-2.18e-04
1385	200	-0.37	3.28	-0.14	0.0	-1.67e-04	-1.70e-04
1385	203	0.38	-3.21	-0.21	0.0	1.69e-04	1.71e-04
1385	209	2.28	9.75e-03	-0.18	0.0	1.02e-03	-2.55e-04
1385	232	-0.42	3.83	-0.13	0.0	-1.90e-04	-2.04e-04
1385	235	0.43	-3.76	-0.22	0.0	1.93e-04	2.04e-04
1386	4	8.72e-03	0.30	-0.27	0.0	3.97e-06	2.06e-06
1386	18	8.29e-03	0.45	-0.23	0.0	3.95e-06	2.00e-06
1386	28	7.80e-03	-0.19	-0.28	0.0	3.22e-06	1.97e-06
1386	68	6.06e-03	0.20	-0.19	0.0	2.74e-06	1.45e-06
1386	75	5.77e-03	0.31	-0.16	0.0	2.73e-06	1.40e-06
1386	80	5.44e-03	-0.13	-0.19	0.0	2.24e-06	1.38e-06
1386	98	4.46e-03	0.03	-0.16	0.0	1.87e-06	1.08e-06
1386	103	4.43e-03	0.08	-0.15	0.0	1.92e-06	1.08e-06
1386	107	4.23e-03	0.03	-0.15	0.0	1.77e-06	1.03e-06
1386	108	1.38	1.23	-0.13	0.0	8.13e-04	-1.57e-04
1386	136	-0.28	2.30	-0.10	0.0	-1.64e-04	-1.18e-04
1386	139	0.29	-2.24	-0.20	0.0	1.68e-04	1.20e-04
1386	140	1.55	1.38	-0.12	0.0	9.14e-04	-1.76e-04
1386	168	-0.31	2.59	-0.09	0.0	-1.85e-04	-1.33e-04
1386	171	0.32	-2.53	-0.21	0.0	1.89e-04	1.35e-04
1386	172	1.51	1.36	-0.12	0.0	8.87e-04	-1.74e-04
1386	200	-0.31	2.57	-0.09	0.0	-1.83e-04	-1.34e-04
1386	203	0.32	-2.51	-0.21	0.0	1.86e-04	1.36e-04
1386	209	1.75	0.01	-0.16	0.0	1.03e-03	-2.02e-04
1386	232	-0.36	3.00	-0.08	0.0	-2.09e-04	-1.60e-04
1386	235	0.37	-2.94	-0.22	0.0	2.13e-04	1.63e-04
1387	4	0.01	0.36	-0.35	0.0	3.08e-06	2.61e-06
1387	18	9.90e-03	0.56	-0.30	0.0	3.21e-06	2.58e-06
1387	28	9.01e-03	-0.25	-0.36	0.0	2.22e-06	2.38e-06
1387	68	7.15e-03	0.25	-0.24	0.0	2.12e-06	1.82e-06
1387	75	6.88e-03	0.38	-0.21	0.0	2.21e-06	1.80e-06
1387	80	6.29e-03	-0.16	-0.25	0.0	1.54e-06	1.67e-06
1387	98	5.17e-03	0.03	-0.21	0.0	1.32e-06	1.32e-06
1387	103	5.17e-03	0.10	-0.19	0.0	1.40e-06	1.34e-06
1387	107	4.90e-03	0.03	-0.20	0.0	1.25e-06	1.26e-06
1387	108	1.74	1.57	-0.17	0.0	7.93e-04	-1.87e-04
1387	136	-0.35	2.94	-0.13	0.0	-1.60e-04	-1.49e-04
1387	139	0.36	-2.87	-0.26	0.0	1.63e-04	1.52e-04
1387	140	1.96	1.76	-0.16	0.0	8.92e-04	-2.10e-04
1387	168	-0.40	3.31	-0.12	0.0	-1.80e-04	-1.69e-04
1387	171	0.41	-3.24	-0.27	0.0	1.83e-04	1.71e-04
1387	172	1.90	1.74	-0.16	0.0	8.65e-04	-2.05e-04
1387	200	-0.39	3.28	-0.12	0.0	-1.78e-04	-1.69e-04
1387	203	0.40	-3.21	-0.27	0.0	1.80e-04	1.71e-04
1387	204	2.21	2.02	-0.16	0.0	1.00e-03	-2.38e-04
1387	232	-0.45	3.83	-0.11	0.0	-2.03e-04	-2.01e-04
1387	235	0.46	-3.76	-0.28	0.0	2.06e-04	2.03e-04
1388	4	0.01	0.30	-0.35	0.0	4.80e-06	2.86e-06
1388	18	9.66e-03	0.46	-0.30	0.0	4.80e-06	2.68e-06
1388	28	9.24e-03	-0.19	-0.38	0.0	3.91e-06	2.81e-06
1388	68	7.08e-03	0.20	-0.25	0.0	3.32e-06	2.00e-06
1388	75	6.74e-03	0.31	-0.21	0.0	3.32e-06	1.88e-06
1388	80	6.45e-03	-0.13	-0.27	0.0	2.73e-06	1.97e-06
1388	98	5.25e-03	0.03	-0.21	0.0	2.27e-06	1.55e-06
1388	103	5.21e-03	0.08	-0.20	0.0	2.33e-06	1.53e-06
1388	107	4.98e-03	0.03	-0.20	0.0	2.15e-06	1.48e-06
1388	108	1.36	1.23	-0.16	0.0	8.58e-04	-1.57e-04
1388	136	-0.29	2.30	-0.11	0.0	-1.86e-04	-1.20e-04
1388	139	0.30	-2.24	-0.30	0.0	1.90e-04	1.23e-04
1388	140	1.53	1.38	-0.15	0.0	9.65e-04	-1.76e-04
1388	168	-0.33	2.59	-0.10	0.0	-2.09e-04	-1.36e-04
1388	171	0.34	-2.53	-0.31	0.0	2.14e-04	1.39e-04
1388	177	1.48	0.01	-0.21	0.0	9.30e-04	-1.70e-04
1388	200	-0.33	2.57	-0.10	0.0	-2.08e-04	-1.35e-04
1388	203	0.34	-2.51	-0.31	0.0	2.12e-04	1.38e-04
1388	209	1.71	0.01	-0.21	0.0	1.07e-03	-1.98e-04
1388	232	-0.38	3.00	-0.08	0.0	-2.40e-04	-1.60e-04
1388	235	0.39	-2.94	-0.33	0.0	2.44e-04	1.63e-04
1389	4	0.01	0.37	-0.44	0.0	3.30e-06	4.12e-06
1389	18	0.01	0.57	-0.37	0.0	3.53e-06	3.89e-06

1389	28	0.01	-0.25	-0.47	0.0	2.24e-06	3.96e-06
1389	68	8.46e-03	0.25	-0.31	0.0	2.26e-06	2.88e-06
1389	75	8.13e-03	0.38	-0.27	0.0	2.42e-06	2.73e-06
1389	80	7.53e-03	-0.16	-0.33	0.0	1.56e-06	2.77e-06
1389	98	6.16e-03	0.04	-0.27	0.0	1.35e-06	2.20e-06
1389	103	6.16e-03	0.10	-0.25	0.0	1.46e-06	2.18e-06
1389	107	5.85e-03	0.03	-0.26	0.0	1.27e-06	2.10e-06
1389	108	1.74	1.57	-0.20	0.0	8.02e-04	2.56e-04
1389	136	-0.38	2.94	-0.13	0.0	-1.73e-04	-1.67e-04
1389	139	0.39	-2.87	-0.38	0.0	1.75e-04	1.72e-04
1389	140	1.96	1.76	-0.19	0.0	9.02e-04	2.88e-04
1389	168	-0.43	3.31	-0.12	0.0	-1.95e-04	-1.89e-04
1389	171	0.44	-3.24	-0.39	0.0	1.97e-04	1.93e-04
1389	172	1.89	1.74	-0.19	0.0	8.70e-04	2.75e-04
1389	200	-0.42	3.28	-0.12	0.0	-1.93e-04	-1.83e-04
1389	203	0.43	-3.21	-0.39	0.0	1.96e-04	1.88e-04
1389	204	2.19	2.02	-0.18	0.0	1.01e-03	3.15e-04
1389	232	-0.49	3.83	-0.10	0.0	-2.22e-04	-2.15e-04
1389	235	0.50	-3.76	-0.41	0.0	2.25e-04	2.19e-04
1390	4	0.01	0.30	-0.32	-1.61e-04	0.0	1.53e-06
1390	18	0.01	0.46	-0.26	-2.54e-04	0.0	2.33e-06
1390	28	0.01	-0.19	-0.36	1.24e-04	0.0	0.0
1390	68	8.31e-03	0.20	-0.22	-1.08e-04	0.0	1.02e-06
1390	75	7.88e-03	0.31	-0.19	-1.70e-04	0.0	1.55e-06
1390	80	7.66e-03	-0.13	-0.25	8.19e-05	0.0	0.0
1390	98	6.20e-03	0.03	-0.20	-1.18e-05	0.0	0.0
1390	103	6.15e-03	0.09	-0.19	-4.29e-05	0.0	0.0
1390	107	5.89e-03	0.03	-0.19	-1.13e-05	0.0	0.0
1390	113	1.36	8.90e-03	-0.20	1.68e-06	0.0	-1.45e-04
1390	136	-0.31	2.30	0.01	-1.41e-03	0.0	-1.10e-04
1390	139	0.32	-2.24	-0.39	1.39e-03	0.0	1.11e-04
1390	145	1.53	7.10e-03	-0.20	2.81e-06	0.0	-1.64e-04
1390	168	-0.35	2.59	0.04	-1.59e-03	0.0	-1.25e-04
1390	171	0.36	-2.53	-0.42	1.57e-03	0.0	1.25e-04
1390	177	1.47	0.01	-0.20	0.0	0.0	-1.62e-04
1390	200	-0.35	2.57	0.04	-1.58e-03	0.0	-1.27e-04
1390	203	0.36	-2.51	-0.42	1.56e-03	0.0	1.27e-04
1390	209	1.70	0.01	-0.20	0.0	0.0	-1.90e-04
1390	232	-0.41	3.00	0.07	-1.84e-03	0.0	-1.51e-04
1390	235	0.42	-2.94	-0.46	1.82e-03	0.0	1.51e-04
1391	4	0.02	0.37	-0.42	-1.46e-04	0.0	1.97e-06
1391	18	0.01	0.57	-0.35	-2.33e-04	0.0	2.99e-06
1391	28	0.01	-0.25	-0.47	1.27e-04	0.0	-1.12e-06
1391	68	0.01	0.25	-0.30	-9.76e-05	0.0	1.31e-06
1391	75	0.01	0.38	-0.25	-1.56e-04	0.0	1.99e-06
1391	80	9.58e-03	-0.16	-0.33	8.39e-05	0.0	0.0
1391	98	7.79e-03	0.04	-0.26	-7.67e-06	0.0	0.0
1391	103	7.76e-03	0.10	-0.25	-3.69e-05	0.0	0.0
1391	107	7.40e-03	0.03	-0.25	-7.36e-06	0.0	0.0
1391	108	1.82	1.57	-0.13	-7.53e-04	0.0	-1.82e-04
1391	136	-0.42	2.94	-4.50e-03	-1.42e-03	0.0	-1.39e-04
1391	139	0.43	-2.87	-0.50	1.40e-03	0.0	1.39e-04
1391	140	2.05	1.76	-0.12	-8.47e-04	0.0	-2.05e-04
1391	168	-0.47	3.31	0.03	-1.60e-03	0.0	-1.57e-04
1391	171	0.48	-3.24	-0.53	1.58e-03	0.0	1.57e-04
1391	172	1.96	1.74	-0.12	-8.36e-04	0.0	-2.04e-04
1391	200	-0.47	3.28	0.02	-1.58e-03	0.0	-1.59e-04
1391	203	0.48	-3.21	-0.53	1.57e-03	0.0	1.60e-04
1391	204	2.26	2.02	-0.10	-9.73e-04	0.0	-2.38e-04
1391	232	-0.54	3.83	0.07	-1.85e-03	0.0	-1.90e-04
1391	235	0.56	-3.76	-0.57	1.84e-03	0.0	1.91e-04
1392	4	0.01	0.42	-0.45	0.0	1.58e-06	-2.89e-06
1392	18	0.01	0.66	-0.39	0.0	1.47e-06	-2.06e-06
1392	68	8.40e-03	0.28	-0.31	0.0	1.10e-06	-2.03e-06
1392	75	7.52e-03	0.44	-0.27	0.0	1.02e-06	-1.47e-06
1392	98	6.63e-03	0.03	-0.25	0.0	0.0	-1.97e-06
1392	103	6.37e-03	0.11	-0.24	0.0	0.0	-1.75e-06
1392	107	6.27e-03	0.03	-0.24	0.0	0.0	-1.86e-06
1392	113	2.45	-2.11e-03	-0.24	0.0	8.44e-04	-2.77e-04
1392	124	1.54	3.38	-0.27	0.0	5.30e-04	1.06e-05
1392	136	-0.37	3.55	-0.27	0.0	-1.29e-04	-2.01e-04
1392	145	2.76	-4.97e-03	-0.24	0.0	9.50e-04	-3.12e-04
1392	156	1.74	3.80	-0.28	0.0	5.97e-04	1.26e-05
1392	168	-0.41	4.00	-0.27	0.0	-1.44e-04	-2.28e-04
1392	177	2.73	7.51e-05	-0.24	0.0	9.38e-04	-3.12e-04

1392	188	1.71	3.73	-0.28	0.0	5.89e-04	1.48e-05
1392	200	-0.40	3.96	-0.27	0.0	-1.39e-04	-2.34e-04
1392	209	3.19	2.51e-03	-0.25	0.0	1.10e-03	-3.67e-04
1392	224	1.85	4.36	-0.28	0.0	6.35e-04	1.00e-05
1392	232	-0.44	4.63	-0.28	0.0	-1.56e-04	-2.81e-04
1393	4	0.01	0.47	-0.59	0.0	0.0	-1.68e-06
1393	18	0.01	0.74	-0.51	0.0	0.0	0.0
1393	68	8.58e-03	0.31	-0.41	0.0	0.0	-1.19e-06
1393	75	7.70e-03	0.50	-0.36	0.0	0.0	0.0
1393	98	6.75e-03	0.03	-0.33	0.0	0.0	-1.36e-06
1393	103	6.50e-03	0.12	-0.32	0.0	0.0	-1.14e-06
1393	107	6.39e-03	0.03	-0.31	0.0	0.0	-1.28e-06
1393	113	2.81	-0.01	-0.32	0.0	8.03e-04	-2.84e-04
1393	124	1.76	3.97	-0.35	0.0	5.05e-04	1.44e-05
1393	136	-0.42	4.17	-0.35	0.0	-1.24e-04	-2.11e-04
1393	145	3.16	-0.02	-0.32	0.0	9.05e-04	-3.20e-04
1393	156	1.99	4.46	-0.36	0.0	5.69e-04	1.68e-05
1393	168	-0.47	4.69	-0.35	0.0	-1.39e-04	-2.38e-04
1393	177	3.12	-9.31e-03	-0.32	0.0	8.93e-04	-3.19e-04
1393	188	1.96	4.38	-0.36	0.0	5.61e-04	1.89e-05
1393	200	-0.45	4.65	-0.35	0.0	-1.34e-04	-2.44e-04
1393	209	3.65	-6.52e-03	-0.32	0.0	1.04e-03	-3.75e-04
1393	224	2.11	5.11	-0.36	0.0	6.05e-04	1.30e-05
1393	232	-0.51	5.43	-0.36	0.0	-1.50e-04	-2.93e-04
1394	4	0.01	0.51	-0.77	-1.06e-04	7.75e-05	0.0
1394	18	0.01	0.83	-0.66	-9.50e-05	6.90e-05	0.0
1394	68	8.40e-03	0.34	-0.53	-7.23e-05	5.44e-05	0.0
1394	75	7.57e-03	0.55	-0.46	-6.52e-05	4.88e-05	0.0
1394	98	6.58e-03	0.02	-0.43	-5.31e-05	4.46e-05	0.0
1394	103	6.34e-03	0.13	-0.41	-5.14e-05	4.28e-05	0.0
1394	107	6.22e-03	0.02	-0.41	-4.95e-05	4.26e-05	0.0
1394	113	3.14	-0.02	-0.42	-5.57e-05	1.31e-03	-2.99e-04
1394	124	1.98	4.55	-0.45	-1.17e-04	8.65e-04	1.93e-05
1394	136	-0.47	4.78	-0.45	-1.13e-04	-1.98e-04	-2.25e-04
1394	145	3.54	-0.03	-0.42	-5.65e-05	1.47e-03	-3.37e-04
1394	156	2.22	5.12	-0.46	-1.25e-04	9.67e-04	2.22e-05
1394	168	-0.53	5.38	-0.46	-1.21e-04	-2.28e-04	-2.55e-04
1394	177	3.49	-0.02	-0.42	-5.67e-05	1.44e-03	-3.36e-04
1394	188	2.19	5.02	-0.46	-1.24e-04	9.43e-04	2.43e-05
1394	200	-0.51	5.34	-0.46	-1.21e-04	-2.23e-04	-2.60e-04
1394	209	4.08	-0.02	-0.42	-5.81e-05	1.66e-03	-3.93e-04
1394	220	2.56	5.83	-0.46	-1.36e-04	1.09e-03	3.08e-05
1394	232	-0.57	6.23	-0.46	-1.33e-04	-2.60e-04	-3.11e-04
1395	4	0.01	0.42	-0.39	0.0	2.30e-06	-1.60e-06
1395	18	9.90e-03	0.66	-0.34	0.0	2.19e-06	0.0
1395	68	7.51e-03	0.28	-0.27	0.0	1.59e-06	-1.13e-06
1395	75	6.90e-03	0.44	-0.24	0.0	1.52e-06	0.0
1395	98	5.74e-03	0.03	-0.22	0.0	1.15e-06	-1.23e-06
1395	103	5.59e-03	0.11	-0.21	0.0	1.14e-06	-1.04e-06
1395	107	5.43e-03	0.03	-0.21	0.0	1.09e-06	-1.16e-06
1395	113	2.32	-1.07e-03	-0.22	0.0	8.34e-04	-2.59e-04
1395	124	1.48	3.38	-0.22	0.0	5.32e-04	1.16e-05
1395	136	-0.37	3.55	-0.22	0.0	-1.37e-04	-1.90e-04
1395	145	2.61	-3.92e-03	-0.22	0.0	9.39e-04	-2.91e-04
1395	156	1.66	3.80	-0.22	0.0	5.98e-04	1.36e-05
1395	168	-0.42	4.00	-0.22	0.0	-1.54e-04	-2.15e-04
1395	177	2.57	1.12e-03	-0.22	0.0	9.23e-04	-2.91e-04
1395	188	1.64	3.73	-0.22	0.0	5.88e-04	1.56e-05
1395	200	-0.41	3.96	-0.22	0.0	-1.49e-04	-2.20e-04
1395	209	3.00	3.57e-03	-0.22	0.0	1.08e-03	-3.42e-04
1395	220	1.91	4.33	-0.22	0.0	6.84e-04	2.04e-05
1395	232	-0.46	4.63	-0.22	0.0	-1.68e-04	-2.64e-04
1396	4	0.01	0.47	-0.52	0.0	1.84e-06	0.0
1396	18	0.01	0.75	-0.45	0.0	1.80e-06	0.0
1396	68	8.08e-03	0.32	-0.36	0.0	1.27e-06	0.0
1396	75	7.45e-03	0.50	-0.32	0.0	1.25e-06	0.0
1396	98	6.14e-03	0.03	-0.30	0.0	0.0	0.0
1396	103	5.99e-03	0.12	-0.28	0.0	0.0	0.0
1396	107	5.80e-03	0.03	-0.28	0.0	0.0	0.0
1396	113	2.68	-0.01	-0.29	0.0	8.15e-04	-2.80e-04
1396	124	1.71	3.97	-0.29	0.0	5.20e-04	1.49e-05
1396	136	-0.43	4.17	-0.29	0.0	-1.35e-04	-2.08e-04
1396	145	3.01	-0.01	-0.29	0.0	9.17e-04	-3.16e-04
1396	156	1.92	4.46	-0.29	0.0	5.85e-04	1.73e-05
1396	168	-0.49	4.69	-0.29	0.0	-1.51e-04	-2.35e-04

1396	177	2.97	-7.66e-03	-0.29	0.0	9.02e-04	-3.15e-04
1396	188	1.89	4.38	-0.29	0.0	5.75e-04	1.94e-05
1396	200	-0.47	4.65	-0.29	0.0	-1.46e-04	-2.41e-04
1396	209	3.46	-4.86e-03	-0.29	0.0	1.05e-03	-3.70e-04
1396	220	2.20	5.08	-0.29	0.0	6.69e-04	2.50e-05
1396	232	-0.53	5.43	-0.29	0.0	-1.65e-04	-2.89e-04
1397	4	0.01	0.52	-0.75	-1.77e-05	7.48e-05	0.0
1397	18	0.01	0.83	-0.65	-2.03e-05	6.65e-05	0.0
1397	68	8.51e-03	0.35	-0.52	-1.07e-05	5.26e-05	0.0
1397	75	7.89e-03	0.56	-0.45	-1.24e-05	4.70e-05	0.0
1397	98	6.43e-03	0.02	-0.43	0.0	4.33e-05	0.0
1397	103	6.29e-03	0.13	-0.41	-1.88e-06	4.15e-05	0.0
1397	107	6.08e-03	0.02	-0.41	0.0	4.13e-05	0.0
1397	113	3.02	-0.02	-0.41	0.0	1.30e-03	-2.98e-04
1397	124	1.93	4.55	-0.42	-7.72e-05	8.59e-04	1.93e-05
1397	136	-0.49	4.78	-0.41	-7.72e-05	-2.04e-04	-2.24e-04
1397	145	3.40	-0.03	-0.41	0.0	1.46e-03	-3.36e-04
1397	156	2.17	5.12	-0.42	-8.69e-05	9.61e-04	2.22e-05
1397	168	-0.55	5.38	-0.42	-8.70e-05	-2.35e-04	-2.54e-04
1397	177	3.35	-0.02	-0.41	0.0	1.42e-03	-3.34e-04
1397	188	2.13	5.02	-0.42	-8.53e-05	9.35e-04	2.43e-05
1397	200	-0.53	5.34	-0.42	-8.63e-05	-2.30e-04	-2.59e-04
1397	209	3.91	-0.02	-0.41	-1.00e-06	1.64e-03	-3.91e-04
1397	220	2.48	5.83	-0.42	-9.92e-05	1.08e-03	3.08e-05
1397	232	-0.60	6.23	-0.42	-1.01e-04	-2.69e-04	-3.10e-04
1398	4	0.01	0.42	-0.39	0.0	2.65e-06	0.0
1398	18	9.70e-03	0.66	-0.33	0.0	2.62e-06	0.0
1398	28	9.14e-03	-0.31	-0.39	0.0	2.15e-06	0.0
1398	68	7.15e-03	0.28	-0.27	0.0	1.83e-06	0.0
1398	75	6.74e-03	0.44	-0.23	0.0	1.81e-06	0.0
1398	80	6.37e-03	-0.20	-0.27	0.0	1.50e-06	0.0
1398	98	5.28e-03	0.03	-0.22	0.0	1.26e-06	0.0
1398	103	5.22e-03	0.11	-0.21	0.0	1.28e-06	0.0
1398	107	5.00e-03	0.03	-0.21	0.0	1.19e-06	0.0
1398	113	2.21	1.17e-04	-0.22	0.0	8.16e-04	-2.42e-04
1398	133	1.43	-2.92	-0.23	0.0	5.28e-04	1.49e-05
1398	136	-0.39	3.55	-0.20	0.0	-1.44e-04	-1.80e-04
1398	145	2.49	-2.73e-03	-0.22	0.0	9.19e-04	-2.72e-04
1398	165	1.61	-3.29	-0.23	0.0	5.94e-04	1.72e-05
1398	168	-0.43	4.00	-0.20	0.0	-1.62e-04	-2.03e-04
1398	177	2.44	2.32e-03	-0.22	0.0	9.00e-04	-2.72e-04
1398	197	1.58	-3.25	-0.23	0.0	5.82e-04	1.91e-05
1398	200	-0.42	3.97	-0.20	0.0	-1.57e-04	-2.08e-04
1398	209	2.85	4.77e-03	-0.22	0.0	1.05e-03	-3.19e-04
1398	229	1.84	-3.79	-0.23	0.0	6.76e-04	2.43e-05
1398	232	-0.48	4.63	-0.20	0.0	-1.78e-04	-2.50e-04
1399	4	0.01	0.47	-0.52	0.0	2.44e-06	0.0
1399	18	0.01	0.75	-0.45	0.0	2.44e-06	0.0
1399	28	9.98e-03	-0.37	-0.53	0.0	1.94e-06	0.0
1399	68	7.88e-03	0.32	-0.36	0.0	1.69e-06	0.0
1399	75	7.47e-03	0.50	-0.31	0.0	1.68e-06	0.0
1399	80	6.95e-03	-0.25	-0.37	0.0	1.35e-06	0.0
1399	98	5.78e-03	0.03	-0.30	0.0	1.14e-06	0.0
1399	103	5.73e-03	0.12	-0.28	0.0	1.17e-06	0.0
1399	107	5.46e-03	0.03	-0.28	0.0	1.07e-06	0.0
1399	113	2.56	-8.29e-03	-0.29	0.0	8.09e-04	-2.72e-04
1399	133	1.66	-3.44	-0.30	0.0	5.24e-04	1.77e-05
1399	136	-0.45	4.17	-0.27	0.0	-1.43e-04	-2.03e-04
1399	145	2.89	-0.01	-0.29	0.0	9.10e-04	-3.06e-04
1399	165	1.87	-3.88	-0.30	0.0	5.89e-04	2.04e-05
1399	168	-0.50	4.69	-0.27	0.0	-1.61e-04	-2.30e-04
1399	177	2.83	-5.79e-03	-0.29	0.0	8.91e-04	-3.05e-04
1399	197	1.83	-3.83	-0.30	0.0	5.77e-04	2.25e-05
1399	200	-0.49	4.65	-0.27	0.0	-1.56e-04	-2.35e-04
1399	209	3.29	-2.98e-03	-0.29	0.0	1.04e-03	-3.57e-04
1399	229	2.13	-4.47	-0.31	0.0	6.70e-04	2.86e-05
1399	232	-0.56	5.43	-0.27	0.0	-1.77e-04	-2.82e-04
1400	4	0.01	0.52	-0.76	6.51e-05	7.32e-05	0.0
1400	18	0.01	0.83	-0.65	5.01e-05	6.49e-05	0.0
1400	28	0.01	-0.44	-0.77	9.17e-05	7.26e-05	0.0
1400	68	8.56e-03	0.35	-0.53	4.77e-05	5.15e-05	0.0
1400	75	8.16e-03	0.56	-0.46	3.76e-05	4.59e-05	0.0
1400	80	7.49e-03	-0.29	-0.54	6.54e-05	5.11e-05	0.0
1400	98	6.23e-03	0.03	-0.44	5.03e-05	4.25e-05	0.0
1400	103	6.19e-03	0.13	-0.41	4.59e-05	4.07e-05	0.0

1400	107	5.89e-03	0.02	-0.42	4.89e-05	4.05e-05	0.0
1400	113	2.91	-0.02	-0.42	5.33e-05	1.29e-03	-2.98e-04
1400	133	1.88	-3.97	-0.43	1.37e-04	8.61e-04	2.05e-05
1400	136	-0.51	4.78	-0.40	-5.40e-05	-2.10e-04	-2.24e-04
1400	145	3.28	-0.02	-0.43	5.38e-05	1.45e-03	-3.36e-04
1400	165	2.12	-4.46	-0.44	1.48e-04	9.63e-04	2.36e-05
1400	168	-0.57	5.38	-0.40	-6.69e-05	-2.42e-04	-2.54e-04
1400	177	3.21	-0.02	-0.42	5.37e-05	1.41e-03	-3.34e-04
1400	197	2.08	-4.41	-0.44	1.47e-04	9.36e-04	2.58e-05
1400	200	-0.56	5.34	-0.40	-6.58e-05	-2.38e-04	-2.59e-04
1400	209	3.74	-0.01	-0.43	5.42e-05	1.62e-03	-3.92e-04
1400	229	2.41	-5.14	-0.44	1.63e-04	1.08e-03	3.26e-05
1400	232	-0.63	6.23	-0.39	-8.50e-05	-2.78e-04	-3.10e-04
1401	4	0.01	0.42	-0.41	0.0	2.64e-06	1.05e-06
1401	18	0.01	0.66	-0.35	0.0	2.73e-06	1.34e-06
1401	28	9.05e-03	-0.31	-0.42	0.0	1.92e-06	0.0
1401	68	7.28e-03	0.28	-0.28	0.0	1.82e-06	0.0
1401	75	7.00e-03	0.44	-0.25	0.0	1.87e-06	0.0
1401	80	6.31e-03	-0.20	-0.29	0.0	1.34e-06	0.0
1401	98	5.23e-03	0.04	-0.24	0.0	1.15e-06	0.0
1401	103	5.23e-03	0.12	-0.22	0.0	1.21e-06	0.0
1401	107	4.95e-03	0.03	-0.23	0.0	1.08e-06	0.0
1401	108	2.13	1.89	-0.21	0.0	7.94e-04	-2.28e-04
1401	135	0.27	-3.48	-0.26	0.0	1.00e-04	1.73e-04
1401	136	-0.40	3.56	-0.19	0.0	-1.50e-04	-1.74e-04
1401	140	2.40	2.13	-0.20	0.0	8.94e-04	-2.57e-04
1401	167	0.30	-3.92	-0.27	0.0	1.12e-04	1.95e-04
1401	168	-0.45	4.00	-0.18	0.0	-1.68e-04	-1.97e-04
1401	172	2.34	2.10	-0.21	0.0	8.72e-04	-2.55e-04
1401	200	-0.44	3.97	-0.18	0.0	-1.65e-04	-2.00e-04
1401	203	0.45	-3.90	-0.27	0.0	1.67e-04	2.01e-04
1401	204	2.72	2.44	-0.20	0.0	1.01e-03	-2.98e-04
1401	232	-0.51	4.63	-0.17	0.0	-1.88e-04	-2.39e-04
1401	235	0.52	-4.56	-0.28	0.0	1.90e-04	2.40e-04
1402	4	0.01	0.48	-0.54	0.0	2.37e-06	0.0
1402	18	0.01	0.75	-0.47	0.0	2.50e-06	1.22e-06
1402	28	9.77e-03	-0.37	-0.56	0.0	1.61e-06	0.0
1402	68	7.99e-03	0.32	-0.38	0.0	1.63e-06	0.0
1402	75	7.76e-03	0.50	-0.33	0.0	1.72e-06	0.0
1402	80	6.81e-03	-0.24	-0.39	0.0	1.12e-06	0.0
1402	98	5.67e-03	0.03	-0.32	0.0	0.0	0.0
1402	103	5.70e-03	0.13	-0.30	0.0	1.05e-06	0.0
1402	107	5.36e-03	0.03	-0.30	0.0	0.0	0.0
1402	108	2.47	2.22	-0.28	0.0	7.87e-04	-2.63e-04
1402	135	0.31	-4.10	-0.35	0.0	9.90e-05	1.98e-04
1402	136	-0.47	4.17	-0.26	0.0	-1.48e-04	-2.00e-04
1402	140	2.78	2.49	-0.28	0.0	8.86e-04	-2.97e-04
1402	167	0.35	-4.62	-0.35	0.0	1.11e-04	2.23e-04
1402	168	-0.52	4.69	-0.25	0.0	-1.67e-04	-2.26e-04
1402	172	2.72	2.46	-0.28	0.0	8.63e-04	-2.95e-04
1402	200	-0.51	4.65	-0.25	0.0	-1.63e-04	-2.30e-04
1402	203	0.52	-4.59	-0.35	0.0	1.65e-04	2.30e-04
1402	204	3.15	2.86	-0.27	0.0	1.00e-03	-3.45e-04
1402	232	-0.59	5.43	-0.24	0.0	-1.86e-04	-2.75e-04
1402	235	0.60	-5.37	-0.36	0.0	1.88e-04	2.75e-04
1403	4	0.01	0.52	-0.80	1.57e-04	7.23e-05	0.0
1403	18	0.01	0.83	-0.68	1.27e-04	6.40e-05	0.0
1403	28	0.01	-0.44	-0.81	1.92e-04	7.20e-05	0.0
1403	68	8.62e-03	0.35	-0.56	1.13e-04	5.08e-05	0.0
1403	75	8.44e-03	0.56	-0.48	9.29e-05	4.53e-05	0.0
1403	80	7.21e-03	-0.29	-0.57	1.36e-04	5.06e-05	0.0
1403	98	6.02e-03	0.03	-0.46	1.08e-04	4.21e-05	0.0
1403	103	6.10e-03	0.13	-0.44	1.00e-04	4.03e-05	0.0
1403	107	5.70e-03	0.03	-0.44	1.04e-04	4.01e-05	0.0
1403	108	2.81	2.54	-0.41	3.25e-05	1.28e-03	-2.99e-04
1403	135	0.36	-4.72	-0.49	2.54e-04	2.00e-04	2.21e-04
1403	136	-0.53	4.78	-0.39	-4.56e-05	-2.15e-04	-2.24e-04
1403	140	3.16	2.85	-0.41	2.35e-05	1.44e-03	-3.36e-04
1403	167	0.40	-5.32	-0.50	2.72e-04	2.19e-04	2.50e-04
1403	168	-0.60	5.38	-0.38	-6.44e-05	-2.47e-04	-2.54e-04
1403	172	3.09	2.81	-0.41	2.49e-05	1.40e-03	-3.34e-04
1403	200	-0.58	5.34	-0.38	-6.26e-05	-2.44e-04	-2.59e-04
1403	203	0.60	-5.28	-0.50	2.71e-04	2.34e-04	2.58e-04
1403	204	3.58	3.28	-0.41	1.19e-05	1.61e-03	-3.92e-04
1403	232	-0.67	6.23	-0.37	-9.05e-05	-2.85e-04	-3.10e-04

1403	235	0.68	-6.18	-0.50	2.99e-04	3.66e-04	3.09e-04
1404	4	0.01	0.43	-0.45	0.0	2.30e-06	2.50e-06
1404	18	0.01	0.66	-0.38	0.0	2.56e-06	2.58e-06
1404	28	9.73e-03	-0.31	-0.47	0.0	1.35e-06	2.10e-06
1404	68	7.92e-03	0.29	-0.31	0.0	1.57e-06	1.74e-06
1404	75	7.71e-03	0.45	-0.27	0.0	1.74e-06	1.79e-06
1404	80	6.79e-03	-0.20	-0.33	0.0	0.0	1.47e-06
1404	98	5.61e-03	0.04	-0.26	0.0	0.0	1.17e-06
1404	103	5.66e-03	0.12	-0.25	0.0	0.0	1.23e-06
1404	107	5.32e-03	0.04	-0.25	0.0	0.0	1.12e-06
1404	108	2.08	1.89	-0.21	0.0	7.68e-04	-2.19e-04
1404	136	-0.42	3.56	-0.17	0.0	-1.55e-04	-1.75e-04
1404	139	0.43	-3.49	-0.33	0.0	1.56e-04	1.77e-04
1404	140	2.34	2.13	-0.21	0.0	8.65e-04	-2.46e-04
1404	168	-0.47	4.00	-0.16	0.0	-1.74e-04	-1.98e-04
1404	171	0.49	-3.93	-0.34	0.0	1.76e-04	2.00e-04
1404	172	2.27	2.10	-0.21	0.0	8.39e-04	-2.41e-04
1404	200	-0.47	3.97	-0.16	0.0	-1.71e-04	-1.98e-04
1404	203	0.48	-3.90	-0.34	0.0	1.73e-04	2.01e-04
1404	204	2.63	2.44	-0.20	0.0	9.71e-04	-2.80e-04
1404	232	-0.54	4.63	-0.15	0.0	-1.96e-04	-2.36e-04
1404	235	0.55	-4.56	-0.35	0.0	1.97e-04	2.38e-04
1405	4	0.01	0.48	-0.60	0.0	1.71e-06	1.73e-06
1405	18	0.01	0.76	-0.51	0.0	2.05e-06	2.02e-06
1405	28	0.01	-0.37	-0.62	0.0	0.0	1.09e-06
1405	68	8.45e-03	0.32	-0.42	0.0	1.15e-06	1.19e-06
1405	75	8.34e-03	0.51	-0.36	0.0	1.38e-06	1.38e-06
1405	80	7.03e-03	-0.24	-0.43	0.0	0.0	0.0
1405	98	5.85e-03	0.04	-0.35	0.0	0.0	0.0
1405	103	5.95e-03	0.13	-0.33	0.0	0.0	0.0
1405	107	5.54e-03	0.03	-0.34	0.0	0.0	0.0
1405	108	2.41	2.22	-0.29	0.0	7.44e-04	-2.56e-04
1405	136	-0.49	4.17	-0.24	0.0	-1.49e-04	-1.99e-04
1405	139	0.50	-4.10	-0.43	0.0	1.50e-04	2.00e-04
1405	140	2.71	2.49	-0.29	0.0	8.38e-04	-2.89e-04
1405	168	-0.55	4.69	-0.23	0.0	-1.68e-04	-2.25e-04
1405	171	0.56	-4.62	-0.44	0.0	1.69e-04	2.26e-04
1405	172	2.63	2.46	-0.29	0.0	8.13e-04	-2.85e-04
1405	200	-0.54	4.66	-0.23	0.0	-1.65e-04	-2.27e-04
1405	203	0.55	-4.59	-0.44	0.0	1.66e-04	2.29e-04
1405	204	3.05	2.86	-0.28	0.0	9.41e-04	-3.33e-04
1405	232	-0.62	5.43	-0.22	0.0	-1.89e-04	-2.72e-04
1405	235	0.63	-5.37	-0.45	0.0	1.90e-04	2.73e-04
1406	18	0.01	0.84	-0.73	2.27e-04	6.35e-05	1.10e-06
1406	28	0.01	-0.44	-0.89	3.25e-04	7.14e-05	0.0
1406	75	8.79e-03	0.56	-0.51	1.64e-04	4.50e-05	0.0
1406	80	7.06e-03	-0.29	-0.62	2.29e-04	5.03e-05	0.0
1406	98	5.91e-03	0.03	-0.51	1.84e-04	4.18e-05	0.0
1406	103	6.08e-03	0.13	-0.48	1.71e-04	4.00e-05	0.0
1406	107	5.59e-03	0.03	-0.48	1.77e-04	3.99e-05	0.0
1406	108	2.72	2.54	-0.43	7.02e-05	1.27e-03	-2.99e-04
1406	136	-0.55	4.78	-0.38	-5.18e-05	-2.16e-04	-2.24e-04
1406	139	0.56	-4.73	-0.58	4.05e-04	2.96e-04	2.24e-04
1406	140	3.06	2.85	-0.43	5.69e-05	1.42e-03	-3.36e-04
1406	168	-0.62	5.38	-0.36	-8.05e-05	-2.49e-04	-2.54e-04
1406	171	0.63	-5.33	-0.59	4.34e-04	3.29e-04	2.53e-04
1406	172	2.97	2.82	-0.43	5.91e-05	1.38e-03	-3.35e-04
1406	200	-0.61	5.34	-0.37	-7.77e-05	-2.46e-04	-2.59e-04
1406	203	0.62	-5.28	-0.59	4.31e-04	3.26e-04	2.58e-04
1406	204	3.44	3.28	-0.42	3.99e-05	1.58e-03	-3.92e-04
1406	232	-0.70	6.23	-0.35	-1.20e-04	-2.88e-04	-3.10e-04
1406	235	0.71	-6.18	-0.61	4.73e-04	3.68e-04	3.10e-04
1407	4	0.01	0.43	-0.56	0.0	1.64e-06	4.03e-06
1407	18	0.01	0.67	-0.47	0.0	2.11e-06	3.89e-06
1407	28	0.01	-0.30	-0.59	0.0	0.0	3.73e-06
1407	68	9.17e-03	0.29	-0.39	0.0	1.10e-06	2.81e-06
1407	75	8.95e-03	0.45	-0.33	0.0	1.41e-06	2.72e-06
1407	80	7.92e-03	-0.20	-0.41	0.0	0.0	2.61e-06
1407	98	6.51e-03	0.04	-0.33	0.0	0.0	2.08e-06
1407	103	6.57e-03	0.12	-0.31	0.0	0.0	2.09e-06
1407	107	6.18e-03	0.04	-0.32	0.0	0.0	1.99e-06
1407	108	2.08	1.89	-0.25	0.0	7.28e-04	-2.17e-04
1407	136	-0.45	3.56	-0.17	0.0	-1.56e-04	-1.84e-04
1407	139	0.46	-3.48	-0.46	0.0	1.56e-04	1.88e-04
1407	140	2.34	2.13	-0.24	0.0	8.19e-04	-2.44e-04

1407	168	-0.51	4.00	-0.15	0.0	-1.75e-04	-2.08e-04
1407	171	0.52	-3.93	-0.48	0.0	1.76e-04	2.12e-04
1407	172	2.25	2.10	-0.24	0.0	7.91e-04	-2.35e-04
1407	200	-0.50	3.97	-0.16	0.0	-1.74e-04	-2.05e-04
1407	203	0.52	-3.90	-0.48	0.0	1.74e-04	2.09e-04
1407	204	2.60	2.44	-0.23	0.0	9.14e-04	-2.71e-04
1407	232	-0.58	4.63	-0.13	0.0	-2.00e-04	-2.42e-04
1407	235	0.59	-4.56	-0.51	0.0	2.00e-04	2.46e-04
1408	4	0.01	0.48	-0.73	0.0	0.0	2.63e-06
1408	18	0.01	0.76	-0.61	0.0	0.0	2.78e-06
1408	28	0.01	-0.36	-0.77	0.0	-1.02e-06	2.06e-06
1408	68	9.28e-03	0.33	-0.51	0.0	0.0	1.82e-06
1408	75	9.25e-03	0.51	-0.44	0.0	0.0	1.93e-06
1408	80	7.64e-03	-0.24	-0.54	0.0	0.0	1.45e-06
1408	98	6.35e-03	0.04	-0.44	0.0	0.0	1.17e-06
1408	103	6.50e-03	0.13	-0.41	0.0	0.0	1.25e-06
1408	107	6.01e-03	0.04	-0.42	0.0	0.0	1.12e-06
1408	108	2.37	2.22	-0.34	0.0	6.67e-04	-2.53e-04
1408	136	-0.51	4.17	-0.25	0.0	-1.42e-04	-1.99e-04
1408	139	0.52	-4.10	-0.58	0.0	1.41e-04	2.01e-04
1408	140	2.67	2.49	-0.33	0.0	7.51e-04	-2.85e-04
1408	168	-0.58	4.69	-0.23	0.0	-1.59e-04	-2.25e-04
1408	171	0.59	-4.62	-0.61	0.0	1.59e-04	2.27e-04
1408	172	2.57	2.46	-0.33	0.0	7.25e-04	-2.81e-04
1408	200	-0.57	4.66	-0.23	0.0	-1.58e-04	-2.27e-04
1408	203	0.58	-4.58	-0.60	0.0	1.57e-04	2.29e-04
1408	204	2.97	2.87	-0.31	0.0	8.38e-04	-3.28e-04
1408	232	-0.66	5.44	-0.20	0.0	-1.81e-04	-2.70e-04
1408	235	0.67	-5.36	-0.63	0.0	1.80e-04	2.73e-04
1409	18	0.01	0.84	-0.80	3.70e-04	6.34e-05	0.0
1409	28	9.97e-03	-0.43	-1.00	5.16e-04	7.11e-05	0.0
1409	75	9.22e-03	0.56	-0.57	2.67e-04	4.49e-05	0.0
1409	80	6.94e-03	-0.29	-0.70	3.64e-04	5.00e-05	0.0
1409	98	5.85e-03	0.03	-0.57	2.93e-04	4.17e-05	0.0
1409	103	6.12e-03	0.14	-0.53	2.74e-04	4.00e-05	0.0
1409	107	5.54e-03	0.03	-0.54	2.81e-04	3.98e-05	0.0
1409	108	2.64	2.54	-0.45	1.21e-04	1.24e-03	-2.98e-04
1409	136	-0.57	4.79	-0.35	-6.88e-05	-2.14e-04	-2.24e-04
1409	139	0.58	-4.73	-0.73	6.32e-04	2.93e-04	2.24e-04
1409	140	2.97	2.85	-0.44	1.00e-04	1.39e-03	-3.36e-04
1409	168	-0.64	5.38	-0.32	-1.13e-04	-2.46e-04	-2.54e-04
1409	171	0.65	-5.32	-0.76	6.76e-04	3.25e-04	2.53e-04
1409	172	2.87	2.82	-0.44	1.04e-04	1.34e-03	-3.34e-04
1409	200	-0.64	5.34	-0.32	-1.08e-04	-2.43e-04	-2.59e-04
1409	203	0.65	-5.28	-0.76	6.71e-04	3.23e-04	2.58e-04
1409	204	3.32	3.28	-0.42	7.52e-05	1.54e-03	-3.92e-04
1409	232	-0.73	6.24	-0.29	-1.73e-04	-2.86e-04	-3.10e-04
1409	235	0.74	-6.18	-0.79	7.36e-04	3.65e-04	3.09e-04
1410	4	0.02	0.43	-0.56	-1.30e-04	0.0	2.42e-06
1410	18	0.02	0.67	-0.46	-2.14e-04	0.0	3.66e-06
1410	28	0.01	-0.30	-0.62	1.32e-04	0.0	-1.32e-06
1410	68	0.01	0.29	-0.39	-8.71e-05	0.0	1.61e-06
1410	75	0.01	0.45	-0.33	-1.43e-04	0.0	2.44e-06
1410	80	9.92e-03	-0.20	-0.43	8.78e-05	0.0	0.0
1410	98	8.11e-03	0.04	-0.35	-2.55e-06	0.0	0.0
1410	103	8.14e-03	0.12	-0.32	-3.04e-05	0.0	0.0
1410	107	7.70e-03	0.04	-0.33	-2.41e-06	0.0	0.0
1410	108	2.11	1.90	-0.19	-7.52e-04	0.0	-2.17e-04
1410	136	-0.48	3.56	-0.04	-1.42e-03	0.0	-1.65e-04
1410	139	0.50	-3.48	-0.62	1.42e-03	0.0	1.66e-04
1410	140	2.38	2.13	-0.17	-8.46e-04	0.0	-2.45e-04
1410	168	-0.54	4.00	-5.81e-03	-1.60e-03	0.0	-1.87e-04
1410	171	0.56	-3.93	-0.65	1.60e-03	0.0	1.87e-04
1410	172	2.28	2.10	-0.17	-8.35e-04	0.0	-2.43e-04
1410	200	-0.54	3.97	-8.90e-03	-1.59e-03	0.0	-1.90e-04
1410	203	0.56	-3.89	-0.65	1.58e-03	0.0	1.90e-04
1410	204	2.63	2.45	-0.15	-9.73e-04	0.0	-2.84e-04
1410	232	-0.63	4.63	0.04	-1.85e-03	0.0	-2.27e-04
1410	235	0.65	-4.56	-0.70	1.85e-03	0.0	2.27e-04
1411	4	0.02	0.49	-0.76	-1.14e-04	0.0	2.93e-06
1411	18	0.02	0.76	-0.63	-1.96e-04	0.0	4.38e-06
1411	28	0.01	-0.36	-0.83	1.42e-04	0.0	-1.47e-06
1411	68	0.01	0.33	-0.53	-7.58e-05	0.0	1.96e-06
1411	75	0.01	0.51	-0.45	-1.30e-04	0.0	2.93e-06
1411	80	8.69e-03	-0.24	-0.58	9.49e-05	0.0	0.0

1411	98	7.19e-03	0.04	-0.47	4.45e-06	0.0	0.0
1411	103	7.38e-03	0.13	-0.44	-2.26e-05	0.0	0.0
1411	107	6.82e-03	0.04	-0.44	4.30e-06	0.0	0.0
1411	108	2.35	2.22	-0.29	-7.48e-04	0.0	-2.53e-04
1411	136	-0.53	4.18	-0.12	-1.42e-03	0.0	-1.92e-04
1411	139	0.55	-4.10	-0.77	1.43e-03	0.0	1.93e-04
1411	140	2.64	2.50	-0.27	-8.42e-04	0.0	-2.85e-04
1411	168	-0.60	4.70	-0.08	-1.60e-03	0.0	-2.17e-04
1411	171	0.62	-4.62	-0.81	1.61e-03	0.0	2.18e-04
1411	172	2.53	2.46	-0.27	-8.31e-04	0.0	-2.82e-04
1411	200	-0.60	4.66	-0.08	-1.59e-03	0.0	-2.21e-04
1411	203	0.62	-4.58	-0.81	1.60e-03	0.0	2.21e-04
1411	204	2.92	2.87	-0.24	-9.70e-04	0.0	-3.31e-04
1411	232	-0.70	5.44	-0.02	-1.86e-03	0.0	-2.64e-04
1411	235	0.71	-5.36	-0.87	1.86e-03	0.0	2.64e-04
1412	18	0.01	0.84	-0.86	6.02e-04	6.37e-05	1.18e-06
1412	28	9.26e-03	-0.43	-1.11	8.16e-04	7.11e-05	-1.80e-06
1412	75	9.39e-03	0.57	-0.61	4.33e-04	4.52e-05	0.0
1412	80	6.45e-03	-0.29	-0.78	5.76e-04	5.01e-05	-1.25e-06
1412	98	5.50e-03	0.03	-0.63	4.66e-04	4.18e-05	0.0
1412	103	5.88e-03	0.14	-0.59	4.36e-04	4.01e-05	0.0
1412	107	5.20e-03	0.03	-0.60	4.47e-04	3.99e-05	0.0
1412	108	2.58	2.54	-0.43	2.12e-04	1.21e-03	-2.88e-04
1412	136	-0.59	4.79	-0.23	-7.30e-05	-2.09e-04	-2.24e-04
1412	139	0.60	-4.73	-0.96	9.67e-04	2.89e-04	2.23e-04
1412	140	2.90	2.86	-0.40	1.82e-04	1.35e-03	-3.25e-04
1412	168	-0.66	5.39	-0.19	-1.38e-04	-2.40e-04	-2.53e-04
1412	171	0.67	-5.32	-1.01	1.03e-03	3.20e-04	2.52e-04
1412	172	2.78	2.82	-0.41	1.88e-04	1.30e-03	-3.21e-04
1412	200	-0.66	5.34	-0.19	-1.31e-04	-2.38e-04	-2.57e-04
1412	203	0.67	-5.28	-1.00	1.03e-03	3.18e-04	2.55e-04
1412	204	3.20	3.29	-0.38	1.46e-04	1.50e-03	-3.75e-04
1412	232	-0.76	6.24	-0.13	-2.27e-04	-2.80e-04	-3.07e-04
1412	235	0.78	-6.18	-1.07	1.12e-03	3.60e-04	3.05e-04
1413	4	1.01e-03	0.07	-0.09	0.0	2.65e-06	0.0
1413	18	8.92e-04	0.11	-0.08	0.0	2.35e-06	0.0
1413	28	1.03e-03	-0.05	-0.09	0.0	2.72e-06	0.0
1413	68	7.05e-04	0.05	-0.06	0.0	1.86e-06	0.0
1413	75	6.29e-04	0.07	-0.06	0.0	1.66e-06	0.0
1413	80	7.22e-04	-0.03	-0.06	0.0	1.90e-06	0.0
1413	98	5.75e-04	6.84e-03	-0.05	0.0	1.51e-06	0.0
1413	103	5.50e-04	0.02	-0.05	0.0	1.45e-06	0.0
1413	107	5.46e-04	6.63e-03	-0.05	0.0	1.44e-06	0.0
1413	113	0.41	-0.28	-0.05	0.0	1.02e-03	4.50e-05
1413	124	0.26	0.46	-0.05	0.0	6.37e-04	2.76e-05
1413	130	0.06	0.55	-0.05	0.0	1.52e-04	2.91e-05
1413	145	0.46	-0.31	-0.05	0.0	1.14e-03	5.06e-05
1413	156	0.29	0.52	-0.05	0.0	7.17e-04	3.11e-05
1413	162	0.07	0.62	-0.05	0.0	1.70e-04	3.28e-05
1413	177	0.45	-0.31	-0.05	0.0	1.13e-03	4.97e-05
1413	188	0.28	0.51	-0.05	0.0	7.08e-04	3.09e-05
1413	194	0.07	0.61	-0.05	0.0	1.63e-04	3.30e-05
1413	209	0.53	-0.36	-0.05	0.0	1.32e-03	5.83e-05
1413	220	0.33	0.60	-0.05	0.0	8.26e-04	3.64e-05
1413	226	0.07	0.71	-0.05	0.0	1.83e-04	3.94e-05
1414	1	0.0	0.0	0.0	0.0	1.37e-06	0.0
1414	65	0.0	0.0	0.0	0.0	1.00e-06	0.0
1414	97	0.0	0.0	0.0	0.0	0.0	0.0
1414	106	0.0	0.0	0.0	0.0	0.0	0.0
1414	108	0.0	0.0	0.0	0.0	1.02e-03	4.73e-06
1414	140	0.0	0.0	0.0	0.0	1.15e-03	5.31e-06
1414	172	0.0	0.0	0.0	0.0	1.13e-03	5.23e-06
1414	204	0.0	0.0	0.0	0.0	1.32e-03	6.14e-06
1415	4	2.05e-03	0.14	-0.16	0.0	2.83e-06	0.0
1415	18	1.82e-03	0.22	-0.14	0.0	2.50e-06	0.0
1415	28	2.10e-03	-0.10	-0.16	0.0	2.89e-06	0.0
1415	68	1.44e-03	0.10	-0.11	0.0	1.98e-06	0.0
1415	75	1.28e-03	0.15	-0.10	0.0	1.76e-06	0.0
1415	80	1.47e-03	-0.06	-0.11	0.0	2.02e-06	0.0
1415	98	1.17e-03	0.01	-0.09	0.0	1.61e-06	0.0
1415	103	1.12e-03	0.04	-0.09	0.0	1.54e-06	0.0
1415	107	1.11e-03	0.01	-0.09	0.0	1.53e-06	0.0
1415	113	0.81	-0.56	-0.09	0.0	1.01e-03	9.75e-05
1415	124	0.51	0.93	-0.10	0.0	6.32e-04	5.89e-05
1415	130	0.12	1.11	-0.09	0.0	1.51e-04	6.13e-05

1415	145	0.92	-0.63	-0.09	0.0	1.14e-03	1.10e-04
1415	156	0.58	1.05	-0.10	0.0	7.12e-04	6.63e-05
1415	162	0.14	1.24	-0.10	0.0	1.69e-04	6.92e-05
1415	177	0.91	-0.62	-0.09	0.0	1.12e-03	1.09e-04
1415	188	0.57	1.03	-0.10	0.0	7.02e-04	6.62e-05
1415	194	0.13	1.23	-0.10	0.0	1.62e-04	7.01e-05
1415	209	1.06	-0.73	-0.09	0.0	1.31e-03	1.28e-04
1415	220	0.66	1.20	-0.10	0.0	8.20e-04	7.83e-05
1415	226	0.15	1.44	-0.10	0.0	1.81e-04	8.39e-05
1416	4	3.18e-03	0.21	-0.23	0.0	3.17e-06	1.50e-06
1416	18	2.82e-03	0.33	-0.20	0.0	2.80e-06	1.44e-06
1416	28	3.26e-03	-0.15	-0.22	0.0	3.22e-06	1.45e-06
1416	68	2.23e-03	0.14	-0.16	0.0	2.22e-06	1.05e-06
1416	75	1.98e-03	0.22	-0.14	0.0	1.97e-06	1.01e-06
1416	80	2.28e-03	-0.10	-0.15	0.0	2.25e-06	1.02e-06
1416	98	1.82e-03	0.02	-0.13	0.0	1.81e-06	0.0
1416	103	1.74e-03	0.06	-0.12	0.0	1.73e-06	0.0
1416	107	1.73e-03	0.02	-0.12	0.0	1.71e-06	0.0
1416	113	1.22	-0.85	-0.12	0.0	9.90e-04	-1.26e-04
1416	124	0.76	1.40	-0.13	0.0	6.21e-04	8.30e-06
1416	130	0.18	1.67	-0.13	0.0	1.48e-04	9.57e-05
1416	145	1.37	-0.95	-0.12	0.0	1.11e-03	-1.42e-04
1416	156	0.86	1.58	-0.14	0.0	6.99e-04	9.45e-06
1416	162	0.20	1.87	-0.13	0.0	1.66e-04	1.08e-04
1416	177	1.36	-0.94	-0.12	0.0	1.10e-03	-1.40e-04
1416	188	0.85	1.56	-0.14	0.0	6.90e-04	1.05e-05
1416	194	0.20	1.86	-0.13	0.0	1.59e-04	1.10e-04
1416	209	1.58	-1.10	-0.12	0.0	1.29e-03	-1.65e-04
1416	220	0.99	1.81	-0.14	0.0	8.05e-04	1.32e-05
1416	226	0.22	2.17	-0.14	0.0	1.78e-04	1.32e-04
1417	4	1.25e-03	0.07	-0.06	0.0	3.28e-06	0.0
1417	18	1.13e-03	0.11	-0.05	0.0	2.96e-06	0.0
1417	28	1.26e-03	-0.05	-0.06	0.0	3.32e-06	0.0
1417	68	8.75e-04	0.05	-0.04	0.0	2.30e-06	0.0
1417	75	7.94e-04	0.08	-0.04	0.0	2.08e-06	0.0
1417	80	8.84e-04	-0.03	-0.04	0.0	2.32e-06	0.0
1417	98	7.00e-04	6.94e-03	-0.03	0.0	1.84e-06	0.0
1417	103	6.76e-04	0.02	-0.03	0.0	1.78e-06	0.0
1417	107	6.66e-04	6.73e-03	-0.03	0.0	1.75e-06	0.0
1417	113	0.39	-0.28	-0.03	0.0	9.67e-04	-3.81e-05
1417	124	0.25	0.46	-0.03	0.0	6.15e-04	3.06e-06
1417	130	0.06	0.55	-0.03	0.0	1.58e-04	2.98e-05
1417	145	0.44	-0.31	-0.03	0.0	1.09e-03	-4.29e-05
1417	156	0.28	0.52	-0.03	0.0	6.91e-04	3.48e-06
1417	162	0.07	0.62	-0.03	0.0	1.77e-04	3.37e-05
1417	177	0.43	-0.31	-0.03	0.0	1.07e-03	-4.25e-05
1417	188	0.28	0.51	-0.03	0.0	6.80e-04	3.80e-06
1417	194	0.07	0.61	-0.03	0.0	1.71e-04	3.43e-05
1417	209	0.51	-0.36	-0.03	0.0	1.25e-03	-4.98e-05
1417	220	0.32	0.60	-0.03	0.0	7.92e-04	4.72e-06
1417	226	0.08	0.72	-0.03	0.0	1.92e-04	4.11e-05
1418	1	0.0	0.0	0.0	0.0	1.74e-06	0.0
1418	65	0.0	0.0	0.0	0.0	1.27e-06	0.0
1418	97	0.0	0.0	0.0	0.0	1.19e-06	0.0
1418	106	0.0	0.0	0.0	0.0	1.19e-06	0.0
1418	108	0.0	0.0	0.0	0.0	9.72e-04	-3.96e-06
1418	140	0.0	0.0	0.0	0.0	1.09e-03	-4.46e-06
1418	172	0.0	0.0	0.0	0.0	1.08e-03	-4.42e-06
1418	204	0.0	0.0	0.0	0.0	1.26e-03	-5.19e-06
1419	4	2.56e-03	0.14	-0.11	0.0	3.51e-06	0.0
1419	18	2.31e-03	0.22	-0.10	0.0	3.15e-06	0.0
1419	28	2.59e-03	-0.10	-0.11	0.0	3.54e-06	0.0
1419	68	1.79e-03	0.10	-0.08	0.0	2.46e-06	0.0
1419	75	1.62e-03	0.15	-0.07	0.0	2.22e-06	0.0
1419	80	1.81e-03	-0.06	-0.08	0.0	2.48e-06	0.0
1419	98	1.43e-03	0.01	-0.07	0.0	1.97e-06	0.0
1419	103	1.39e-03	0.04	-0.06	0.0	1.90e-06	0.0
1419	107	1.36e-03	0.01	-0.06	0.0	1.88e-06	0.0
1419	113	0.78	-0.56	-0.06	0.0	9.50e-04	-8.10e-05
1419	124	0.49	0.93	-0.07	0.0	6.04e-04	5.73e-06
1419	130	0.13	1.11	-0.07	0.0	1.55e-04	6.21e-05
1419	145	0.88	-0.63	-0.06	0.0	1.07e-03	-9.12e-05
1419	156	0.56	1.05	-0.07	0.0	6.79e-04	6.55e-06
1419	162	0.14	1.24	-0.07	0.0	1.74e-04	7.02e-05
1419	177	0.86	-0.62	-0.06	0.0	1.05e-03	-9.05e-05

1419	188	0.55	1.03	-0.07	0.0	6.68e-04	7.22e-06
1419	194	0.14	1.23	-0.07	0.0	1.68e-04	7.16e-05
1419	209	1.01	-0.73	-0.06	0.0	1.23e-03	-1.06e-04
1419	220	0.64	1.20	-0.07	0.0	7.78e-04	9.03e-06
1419	226	0.15	1.44	-0.07	0.0	1.89e-04	8.58e-05
1420	4	3.99e-03	0.21	-0.17	0.0	3.88e-06	1.16e-06
1420	18	3.59e-03	0.33	-0.15	0.0	3.47e-06	1.15e-06
1420	28	4.03e-03	-0.15	-0.17	0.0	3.91e-06	1.06e-06
1420	68	2.79e-03	0.14	-0.12	0.0	2.71e-06	0.0
1420	75	2.53e-03	0.22	-0.10	0.0	2.44e-06	0.0
1420	80	2.82e-03	-0.10	-0.12	0.0	2.73e-06	0.0
1420	98	2.24e-03	0.02	-0.10	0.0	2.18e-06	0.0
1420	103	2.16e-03	0.06	-0.09	0.0	2.10e-06	0.0
1420	107	2.13e-03	0.02	-0.09	0.0	2.08e-06	0.0
1420	113	1.16	-0.85	-0.09	0.0	9.25e-04	-1.26e-04
1420	124	0.73	1.40	-0.10	0.0	5.88e-04	7.76e-06
1420	130	0.19	1.67	-0.10	0.0	1.51e-04	9.48e-05
1420	145	1.30	-0.95	-0.09	0.0	1.04e-03	-1.42e-04
1420	156	0.83	1.58	-0.10	0.0	6.61e-04	8.88e-06
1420	162	0.21	1.87	-0.10	0.0	1.69e-04	1.07e-04
1420	177	1.28	-0.94	-0.09	0.0	1.03e-03	-1.42e-04
1420	188	0.81	1.56	-0.10	0.0	6.50e-04	9.91e-06
1420	194	0.20	1.86	-0.10	0.0	1.63e-04	1.10e-04
1420	209	1.49	-1.10	-0.09	0.0	1.20e-03	-1.67e-04
1420	220	0.95	1.81	-0.10	0.0	7.57e-04	1.25e-05
1420	226	0.23	2.17	-0.10	0.0	1.84e-04	1.32e-04
1421	4	1.41e-03	0.07	-0.06	0.0	3.70e-06	0.0
1421	18	1.30e-03	0.11	-0.05	0.0	3.39e-06	0.0
1421	28	1.40e-03	-0.05	-0.06	0.0	3.68e-06	0.0
1421	68	9.89e-04	0.05	-0.04	0.0	2.59e-06	0.0
1421	75	9.14e-04	0.08	-0.03	0.0	2.38e-06	0.0
1421	80	9.82e-04	-0.03	-0.04	0.0	2.58e-06	0.0
1421	98	7.74e-04	7.17e-03	-0.03	0.0	2.04e-06	0.0
1421	103	7.55e-04	0.02	-0.03	0.0	1.98e-06	0.0
1421	107	7.37e-04	6.95e-03	-0.03	0.0	1.94e-06	0.0
1421	113	0.38	-0.28	-0.03	0.0	9.23e-04	-3.99e-05
1421	130	0.07	0.55	-0.03	0.0	1.64e-04	2.99e-05
1421	133	0.24	-0.51	-0.03	0.0	5.97e-04	2.61e-06
1421	145	0.42	-0.31	-0.03	0.0	1.04e-03	-4.49e-05
1421	162	0.07	0.62	-0.03	0.0	1.84e-04	3.38e-05
1421	165	0.27	-0.57	-0.03	0.0	6.71e-04	3.00e-06
1421	177	0.41	-0.31	-0.03	0.0	1.02e-03	-4.48e-05
1421	194	0.07	0.61	-0.03	0.0	1.79e-04	3.46e-05
1421	197	0.27	-0.56	-0.03	0.0	6.58e-04	3.33e-06
1421	209	0.48	-0.36	-0.03	0.0	1.19e-03	-5.26e-05
1421	226	0.08	0.72	-0.03	0.0	2.02e-04	4.15e-05
1421	233	0.28	-0.66	-0.03	0.0	6.96e-04	2.34e-06
1422	1	0.0	0.0	0.0	0.0	2.00e-06	0.0
1422	65	0.0	0.0	0.0	0.0	1.46e-06	0.0
1422	97	0.0	0.0	0.0	0.0	1.32e-06	0.0
1422	106	0.0	0.0	0.0	0.0	1.32e-06	0.0
1422	108	0.0	0.0	0.0	0.0	9.30e-04	-4.18e-06
1422	140	0.0	0.0	0.0	0.0	1.05e-03	-4.70e-06
1422	172	0.0	0.0	0.0	0.0	1.03e-03	-4.70e-06
1422	204	0.0	0.0	0.0	0.0	1.19e-03	-5.52e-06
1423	4	2.89e-03	0.14	-0.11	0.0	3.93e-06	0.0
1423	18	2.66e-03	0.22	-0.10	0.0	3.58e-06	0.0
1423	28	2.87e-03	-0.10	-0.11	0.0	3.92e-06	0.0
1423	68	2.02e-03	0.10	-0.08	0.0	2.75e-06	0.0
1423	75	1.87e-03	0.15	-0.07	0.0	2.52e-06	0.0
1423	80	2.01e-03	-0.06	-0.08	0.0	2.74e-06	0.0
1423	98	1.59e-03	0.01	-0.06	0.0	2.18e-06	0.0
1423	103	1.55e-03	0.04	-0.06	0.0	2.11e-06	0.0
1423	107	1.51e-03	0.01	-0.06	0.0	2.07e-06	0.0
1423	113	0.74	-0.56	-0.06	0.0	9.03e-04	-8.24e-05
1423	130	0.13	1.11	-0.06	0.0	1.60e-04	6.13e-05
1423	133	0.48	-1.02	-0.07	0.0	5.84e-04	5.21e-06
1423	145	0.84	-0.63	-0.06	0.0	1.02e-03	-9.28e-05
1423	162	0.15	1.24	-0.06	0.0	1.80e-04	6.93e-05
1423	165	0.54	-1.15	-0.07	0.0	6.57e-04	6.00e-06
1423	177	0.82	-0.62	-0.06	0.0	9.96e-04	-9.26e-05
1423	194	0.14	1.23	-0.06	0.0	1.75e-04	7.10e-05
1423	197	0.53	-1.13	-0.07	0.0	6.44e-04	6.68e-06
1423	209	0.96	-0.73	-0.06	0.0	1.16e-03	-1.09e-04
1423	226	0.16	1.44	-0.06	0.0	1.98e-04	8.51e-05

1423	233	0.56	-1.32	-0.07	0.0	6.81e-04	4.78e-06
1424	4	4.50e-03	0.21	-0.17	0.0	4.29e-06	0.0
1424	18	4.12e-03	0.33	-0.14	0.0	3.88e-06	0.0
1424	28	4.48e-03	-0.15	-0.17	0.0	4.30e-06	0.0
1424	68	3.15e-03	0.14	-0.12	0.0	3.00e-06	0.0
1424	75	2.90e-03	0.22	-0.10	0.0	2.73e-06	0.0
1424	80	3.14e-03	-0.10	-0.12	0.0	3.01e-06	0.0
1424	98	2.48e-03	0.02	-0.10	0.0	2.39e-06	0.0
1424	103	2.41e-03	0.06	-0.09	0.0	2.31e-06	0.0
1424	107	2.36e-03	0.02	-0.09	0.0	2.28e-06	0.0
1424	113	1.10	-0.85	-0.10	0.0	8.77e-04	-1.24e-04
1424	130	0.20	1.67	-0.08	0.0	1.56e-04	9.12e-05
1424	133	0.71	-1.55	-0.10	0.0	5.67e-04	7.59e-06
1424	145	1.24	-0.95	-0.10	0.0	9.87e-04	-1.39e-04
1424	162	0.22	1.87	-0.08	0.0	1.75e-04	1.03e-04
1424	165	0.80	-1.74	-0.10	0.0	6.38e-04	8.73e-06
1424	177	1.21	-0.94	-0.10	0.0	9.68e-04	-1.39e-04
1424	194	0.21	1.86	-0.08	0.0	1.70e-04	1.06e-04
1424	197	0.78	-1.71	-0.10	0.0	6.26e-04	9.75e-06
1424	209	1.41	-1.10	-0.10	0.0	1.13e-03	-1.63e-04
1424	226	0.24	2.17	-0.08	0.0	1.92e-04	1.27e-04
1424	229	0.91	-1.99	-0.10	0.0	7.28e-04	1.24e-05
1425	4	1.43e-03	0.07	-0.06	0.0	3.75e-06	0.0
1425	18	1.35e-03	0.11	-0.05	0.0	3.52e-06	0.0
1425	28	1.38e-03	-0.05	-0.06	0.0	3.64e-06	0.0
1425	68	9.98e-04	0.05	-0.04	0.0	2.62e-06	0.0
1425	75	9.46e-04	0.08	-0.04	0.0	2.47e-06	0.0
1425	80	9.65e-04	-0.03	-0.04	0.0	2.55e-06	0.0
1425	98	7.57e-04	7.42e-03	-0.03	0.0	2.01e-06	0.0
1425	103	7.49e-04	0.02	-0.03	0.0	1.98e-06	0.0
1425	107	7.21e-04	7.19e-03	-0.03	0.0	1.91e-06	0.0
1425	108	0.36	0.01	-0.03	0.0	8.84e-04	-4.43e-05
1425	129	-0.07	-0.54	-0.04	0.0	-1.67e-04	-3.06e-05
1425	130	0.07	0.55	-0.03	0.0	1.71e-04	3.03e-05
1425	140	0.40	0.01	-0.03	0.0	9.95e-04	-4.98e-05
1425	161	-0.08	-0.60	-0.04	0.0	-1.88e-04	-3.46e-05
1425	162	0.08	0.62	-0.03	0.0	1.92e-04	3.43e-05
1425	177	0.39	-0.31	-0.04	0.0	9.71e-04	-4.97e-05
1425	193	-0.08	-0.60	-0.04	0.0	-1.84e-04	-3.56e-05
1425	194	0.08	0.61	-0.03	0.0	1.88e-04	3.53e-05
1425	209	0.46	-0.36	-0.04	0.0	1.13e-03	-5.85e-05
1425	225	-0.09	-0.70	-0.04	0.0	-2.10e-04	-4.27e-05
1425	226	0.09	0.72	-0.02	0.0	2.14e-04	4.24e-05
1426	1	0.0	0.0	0.0	0.0	2.08e-06	0.0
1426	65	0.0	0.0	0.0	0.0	1.51e-06	0.0
1426	97	0.0	0.0	0.0	0.0	1.30e-06	0.0
1426	106	0.0	0.0	0.0	0.0	1.30e-06	0.0
1426	108	0.0	0.0	0.0	0.0	8.91e-04	-4.69e-06
1426	140	0.0	0.0	0.0	0.0	1.00e-03	-5.28e-06
1426	172	0.0	0.0	0.0	0.0	9.79e-04	-5.29e-06
1426	204	0.0	0.0	0.0	0.0	1.14e-03	-6.22e-06
1427	4	2.92e-03	0.14	-0.12	0.0	4.00e-06	0.0
1427	18	2.75e-03	0.22	-0.10	0.0	3.73e-06	0.0
1427	28	2.83e-03	-0.10	-0.12	0.0	3.93e-06	0.0
1427	68	2.04e-03	0.10	-0.08	0.0	2.80e-06	0.0
1427	75	1.93e-03	0.15	-0.07	0.0	2.62e-06	0.0
1427	80	1.98e-03	-0.06	-0.08	0.0	2.75e-06	0.0
1427	98	1.56e-03	0.01	-0.07	0.0	2.17e-06	0.0
1427	103	1.54e-03	0.04	-0.06	0.0	2.13e-06	0.0
1427	107	1.48e-03	0.01	-0.06	0.0	2.06e-06	0.0
1427	108	0.71	0.03	-0.06	0.0	8.65e-04	-8.74e-05
1427	129	-0.13	-1.08	-0.08	0.0	-1.63e-04	-6.12e-05
1427	130	0.14	1.11	-0.05	0.0	1.67e-04	6.07e-05
1427	140	0.80	0.03	-0.06	0.0	9.73e-04	-9.84e-05
1427	161	-0.15	-1.22	-0.08	0.0	-1.84e-04	-6.92e-05
1427	162	0.15	1.24	-0.05	0.0	1.88e-04	6.87e-05
1427	177	0.78	-0.62	-0.07	0.0	9.50e-04	-9.81e-05
1427	193	-0.15	-1.21	-0.08	0.0	-1.79e-04	-7.11e-05
1427	194	0.15	1.23	-0.05	0.0	1.84e-04	7.05e-05
1427	209	0.91	-0.73	-0.07	0.0	1.10e-03	-1.15e-04
1427	225	-0.17	-1.41	-0.08	0.0	-2.05e-04	-8.53e-05
1427	226	0.17	1.44	-0.05	0.0	2.09e-04	8.48e-05
1428	4	4.57e-03	0.21	-0.17	0.0	4.41e-06	0.0
1428	18	4.28e-03	0.33	-0.15	0.0	4.06e-06	0.0
1428	28	4.45e-03	-0.15	-0.18	0.0	4.38e-06	0.0

1428	68	3.19e-03	0.14	-0.12	0.0	3.09e-06	0.0
1428	75	3.00e-03	0.22	-0.10	0.0	2.85e-06	0.0
1428	80	3.11e-03	-0.10	-0.12	0.0	3.07e-06	0.0
1428	98	2.45e-03	0.02	-0.10	0.0	2.42e-06	0.0
1428	103	2.41e-03	0.06	-0.10	0.0	2.36e-06	0.0
1428	107	2.33e-03	0.02	-0.10	0.0	2.31e-06	0.0
1428	108	1.05	0.04	-0.10	0.0	8.42e-04	-1.24e-04
1428	129	-0.20	-1.63	-0.12	0.0	-1.58e-04	-8.88e-05
1428	130	0.20	1.67	-0.08	0.0	1.62e-04	8.82e-05
1428	140	1.19	0.04	-0.10	0.0	9.47e-04	-1.40e-04
1428	161	-0.22	-1.84	-0.12	0.0	-1.78e-04	-1.00e-04
1428	162	0.23	1.87	-0.08	0.0	1.82e-04	9.98e-05
1428	177	1.16	-0.94	-0.11	0.0	9.25e-04	-1.39e-04
1428	193	-0.22	-1.82	-0.12	0.0	-1.74e-04	-1.03e-04
1428	194	0.22	1.86	-0.08	0.0	1.78e-04	1.02e-04
1428	209	1.34	-1.10	-0.11	0.0	1.07e-03	-1.63e-04
1428	225	-0.25	-2.13	-0.12	0.0	-1.98e-04	-1.23e-04
1428	226	0.25	2.17	-0.07	0.0	2.03e-04	1.23e-04
1429	4	1.24e-03	0.07	-0.07	0.0	3.37e-06	0.0
1429	18	1.23e-03	0.11	-0.06	0.0	3.29e-06	0.0
1429	28	1.13e-03	-0.05	-0.07	0.0	3.14e-06	0.0
1429	68	8.66e-04	0.05	-0.05	0.0	2.36e-06	0.0
1429	75	8.57e-04	0.08	-0.04	0.0	2.30e-06	0.0
1429	80	7.95e-04	-0.03	-0.05	0.0	2.20e-06	0.0
1429	98	6.19e-04	7.64e-03	-0.04	0.0	1.72e-06	0.0
1429	103	6.28e-04	0.02	-0.04	0.0	1.73e-06	0.0
1429	107	5.90e-04	7.40e-03	-0.04	0.0	1.64e-06	0.0
1429	108	0.34	0.01	-0.04	0.0	8.44e-04	-5.99e-05
1429	129	-0.07	-0.54	-0.05	0.0	-1.73e-04	-3.97e-05
1429	130	0.07	0.55	-0.02	0.0	1.76e-04	3.89e-05
1429	140	0.38	0.01	-0.04	0.0	9.49e-04	-6.74e-05
1429	161	-0.08	-0.60	-0.05	0.0	-1.95e-04	-4.48e-05
1429	162	0.08	0.62	-0.02	0.0	1.98e-04	4.40e-05
1429	172	0.37	0.01	-0.04	0.0	9.21e-04	-6.74e-05
1429	193	-0.08	-0.60	-0.05	0.0	-1.92e-04	-4.56e-05
1429	194	0.08	0.61	-0.02	0.0	1.95e-04	4.48e-05
1429	204	0.43	0.01	-0.04	0.0	1.07e-03	-7.92e-05
1429	225	-0.09	-0.70	-0.05	0.0	-2.20e-04	-5.44e-05
1429	226	0.09	0.72	-0.02	0.0	2.23e-04	5.36e-05
1430	1	0.0	0.0	0.0	0.0	1.92e-06	0.0
1430	65	0.0	0.0	0.0	0.0	1.38e-06	0.0
1430	97	0.0	0.0	0.0	0.0	1.10e-06	0.0
1430	106	0.0	0.0	0.0	0.0	1.10e-06	0.0
1430	108	0.0	0.0	0.0	0.0	8.46e-04	-6.19e-06
1430	140	0.0	0.0	0.0	0.0	9.51e-04	-6.95e-06
1430	172	0.0	0.0	0.0	0.0	9.24e-04	-6.95e-06
1430	204	0.0	0.0	0.0	0.0	1.07e-03	-8.16e-06
1431	4	2.59e-03	0.14	-0.13	0.0	3.73e-06	0.0
1431	18	2.54e-03	0.22	-0.11	0.0	3.58e-06	0.0
1431	28	2.39e-03	-0.10	-0.14	0.0	3.55e-06	-1.21e-06
1431	68	1.81e-03	0.10	-0.09	0.0	2.61e-06	0.0
1431	75	1.77e-03	0.15	-0.08	0.0	2.51e-06	0.0
1431	80	1.67e-03	-0.06	-0.09	0.0	2.49e-06	0.0
1431	98	1.30e-03	0.01	-0.08	0.0	1.94e-06	0.0
1431	103	1.32e-03	0.04	-0.07	0.0	1.94e-06	0.0
1431	107	1.24e-03	0.01	-0.07	0.0	1.85e-06	0.0
1431	108	0.68	0.03	-0.07	0.0	8.38e-04	-1.07e-04
1431	129	-0.14	-1.08	-0.10	0.0	-1.71e-04	-6.99e-05
1431	130	0.14	1.11	-0.05	0.0	1.75e-04	6.86e-05
1431	140	0.76	0.03	-0.07	0.0	9.42e-04	-1.20e-04
1431	161	-0.16	-1.22	-0.10	0.0	-1.93e-04	-7.89e-05
1431	162	0.16	1.24	-0.04	0.0	1.97e-04	7.76e-05
1431	172	0.74	0.03	-0.07	0.0	9.15e-04	-1.20e-04
1431	193	-0.15	-1.21	-0.10	0.0	-1.90e-04	-8.08e-05
1431	194	0.16	1.23	-0.04	0.0	1.94e-04	7.95e-05
1431	204	0.86	0.03	-0.07	0.0	1.06e-03	-1.41e-04
1431	225	-0.18	-1.41	-0.11	0.0	-2.18e-04	-9.67e-05
1431	226	0.18	1.44	-0.04	0.0	2.21e-04	9.54e-05
1432	4	4.13e-03	0.21	-0.19	0.0	4.28e-06	-1.13e-06
1432	18	4.02e-03	0.33	-0.17	0.0	4.03e-06	0.0
1432	28	3.87e-03	-0.15	-0.20	0.0	4.19e-06	-1.43e-06
1432	68	2.89e-03	0.14	-0.14	0.0	3.00e-06	0.0
1432	75	2.81e-03	0.22	-0.12	0.0	2.83e-06	0.0
1432	80	2.71e-03	-0.10	-0.14	0.0	2.93e-06	0.0
1432	98	2.11e-03	0.02	-0.12	0.0	2.29e-06	0.0

1432	103	2.12e-03	0.06	-0.11	0.0	2.26e-06	0.0
1432	107	2.02e-03	0.02	-0.11	0.0	2.19e-06	0.0
1432	108	1.01	0.04	-0.11	0.0	8.28e-04	-1.33e-04
1432	129	-0.21	-1.63	-0.15	0.0	-1.68e-04	-9.01e-05
1432	130	0.21	1.67	-0.07	0.0	1.73e-04	8.85e-05
1432	140	1.14	0.04	-0.11	0.0	9.31e-04	-1.50e-04
1432	161	-0.23	-1.84	-0.15	0.0	-1.90e-04	-1.02e-04
1432	162	0.24	1.87	-0.07	0.0	1.94e-04	1.00e-04
1432	172	1.10	0.04	-0.11	0.0	9.04e-04	-1.50e-04
1432	193	-0.23	-1.82	-0.15	0.0	-1.87e-04	-1.04e-04
1432	194	0.23	1.86	-0.07	0.0	1.91e-04	1.03e-04
1432	204	1.28	0.04	-0.11	0.0	1.05e-03	-1.75e-04
1432	225	-0.26	-2.13	-0.16	0.0	-2.14e-04	-1.25e-04
1432	226	0.27	2.17	-0.06	0.0	2.18e-04	1.23e-04
1433	18	8.62e-04	0.11	-0.10	0.0	2.73e-06	0.0
1433	28	5.85e-04	-0.05	-0.12	0.0	2.23e-06	-1.31e-06
1433	75	5.95e-04	0.08	-0.07	0.0	1.90e-06	0.0
1433	80	4.10e-04	-0.03	-0.09	0.0	1.56e-06	0.0
1433	98	3.14e-04	7.65e-03	-0.07	0.0	1.20e-06	0.0
1433	103	3.50e-04	0.02	-0.06	0.0	1.26e-06	0.0
1433	107	3.00e-04	7.41e-03	-0.07	0.0	1.15e-06	0.0
1433	108	0.30	0.01	-0.06	0.0	7.77e-04	-9.19e-05
1433	129	-0.07	-0.53	-0.09	0.0	-1.72e-04	-6.47e-05
1433	130	0.07	0.55	-0.04	0.0	1.74e-04	6.33e-05
1433	140	0.33	0.01	-0.06	0.0	8.74e-04	-1.03e-04
1433	161	-0.07	-0.60	-0.09	0.0	-1.94e-04	-7.27e-05
1433	162	0.07	0.62	-0.04	0.0	1.96e-04	7.14e-05
1433	172	0.32	0.01	-0.06	0.0	8.44e-04	-1.02e-04
1433	193	-0.07	-0.60	-0.09	0.0	-1.92e-04	-7.23e-05
1433	194	0.07	0.61	-0.04	0.0	1.95e-04	7.09e-05
1433	204	0.37	0.01	-0.06	0.0	9.76e-04	-1.20e-04
1433	225	-0.08	-0.70	-0.09	0.0	-2.21e-04	-8.51e-05
1433	226	0.08	0.71	-0.04	0.0	2.23e-04	8.37e-05
1434	1	0.0	0.0	0.0	0.0	1.48e-06	0.0
1434	65	0.0	0.0	0.0	0.0	1.05e-06	0.0
1434	97	0.0	0.0	0.0	0.0	0.0	0.0
1434	106	0.0	0.0	0.0	0.0	0.0	0.0
1434	108	0.0	0.0	0.0	0.0	7.56e-04	-8.67e-06
1434	140	0.0	0.0	0.0	0.0	8.50e-04	-9.74e-06
1434	172	0.0	0.0	0.0	0.0	8.21e-04	-9.65e-06
1434	204	0.0	0.0	0.0	0.0	9.49e-04	-1.13e-05
1435	18	1.98e-03	0.23	-0.17	0.0	3.26e-06	-1.31e-06
1435	28	1.51e-03	-0.10	-0.22	0.0	2.94e-06	-1.96e-06
1435	75	1.37e-03	0.15	-0.12	0.0	2.27e-06	0.0
1435	80	1.06e-03	-0.06	-0.15	0.0	2.06e-06	-1.37e-06
1435	98	8.12e-04	0.01	-0.12	0.0	1.59e-06	-1.09e-06
1435	103	8.73e-04	0.04	-0.11	0.0	1.63e-06	0.0
1435	107	7.76e-04	0.01	-0.12	0.0	1.51e-06	-1.03e-06
1435	108	0.61	0.03	-0.11	0.0	8.23e-04	-1.53e-04
1435	129	-0.14	-1.08	-0.16	0.0	-1.82e-04	-1.05e-04
1435	130	0.14	1.11	-0.07	0.0	1.85e-04	1.02e-04
1435	140	0.69	0.03	-0.11	0.0	9.25e-04	-1.72e-04
1435	161	-0.15	-1.22	-0.17	0.0	-2.05e-04	-1.18e-04
1435	162	0.15	1.24	-0.07	0.0	2.08e-04	1.16e-04
1435	172	0.67	0.03	-0.11	0.0	8.93e-04	-1.71e-04
1435	193	-0.15	-1.21	-0.17	0.0	-2.03e-04	-1.18e-04
1435	194	0.15	1.23	-0.07	0.0	2.06e-04	1.16e-04
1435	204	0.77	0.03	-0.11	0.0	1.03e-03	-2.01e-04
1435	225	-0.17	-1.41	-0.17	0.0	-2.34e-04	-1.40e-04
1435	226	0.18	1.44	-0.06	0.0	2.37e-04	1.38e-04
1436	18	3.40e-03	0.33	-0.23	0.0	3.92e-06	-1.24e-06
1436	28	2.83e-03	-0.15	-0.30	0.0	3.86e-06	-2.02e-06
1436	75	2.36e-03	0.22	-0.16	0.0	2.75e-06	0.0
1436	80	1.99e-03	-0.10	-0.21	0.0	2.70e-06	-1.41e-06
1436	98	1.52e-03	0.02	-0.17	0.0	2.08e-06	-1.15e-06
1436	103	1.60e-03	0.06	-0.16	0.0	2.09e-06	-1.03e-06
1436	107	1.46e-03	0.02	-0.16	0.0	1.99e-06	-1.09e-06
1436	108	0.96	0.04	-0.15	0.0	8.61e-04	-1.51e-04
1436	129	-0.21	-1.63	-0.23	0.0	-1.89e-04	-9.77e-05
1436	130	0.21	1.67	-0.09	0.0	1.93e-04	9.55e-05
1436	140	1.08	0.04	-0.15	0.0	9.68e-04	-1.70e-04
1436	161	-0.24	-1.84	-0.24	0.0	-2.13e-04	-1.10e-04
1436	162	0.24	1.87	-0.08	0.0	2.17e-04	1.08e-04
1436	172	1.04	0.04	-0.15	0.0	9.34e-04	-1.69e-04
1436	193	-0.24	-1.82	-0.24	0.0	-2.11e-04	-1.13e-04

1436	194	0.24	1.86	-0.08	0.0	2.15e-04	1.10e-04
1436	204	1.20	0.04	-0.15	0.0	1.08e-03	-1.98e-04
1436	225	-0.27	-2.13	-0.25	0.0	-2.43e-04	-1.35e-04
1436	226	0.27	2.17	-0.07	0.0	2.47e-04	1.33e-04
1437	18	1.52e-04	0.12	-0.07	-2.92e-04	0.0	0.0
1437	27	-4.14e-04	-0.05	-0.10	1.26e-04	0.0	0.0
1437	28	-4.10e-04	-0.05	-0.11	1.25e-04	0.0	0.0
1437	75	8.82e-05	0.08	-0.05	-1.96e-04	0.0	0.0
1437	79	-2.89e-04	-0.03	-0.07	8.25e-05	0.0	0.0
1437	80	-2.86e-04	-0.03	-0.07	8.19e-05	0.0	0.0
1437	98	-2.29e-04	8.09e-03	-0.06	-1.60e-05	0.0	0.0
1437	103	-1.54e-04	0.02	-0.05	-5.14e-05	0.0	0.0
1437	107	-2.17e-04	7.83e-03	-0.05	-1.55e-05	0.0	0.0
1437	111	-0.22	1.28e-03	-0.06	1.95e-06	0.0	3.48e-05
1437	129	-0.05	-0.53	-0.11	1.35e-03	0.0	-2.69e-05
1437	130	0.05	0.55	4.24e-03	-1.38e-03	0.0	2.61e-05
1437	143	-0.24	6.54e-04	-0.06	3.64e-06	0.0	3.93e-05
1437	161	-0.06	-0.60	-0.12	1.53e-03	0.0	-3.04e-05
1437	162	0.06	0.62	0.01	-1.56e-03	0.0	2.95e-05
1437	175	-0.23	1.45e-03	-0.06	1.62e-06	0.0	3.90e-05
1437	193	-0.06	-0.60	-0.12	1.51e-03	0.0	-3.08e-05
1437	194	0.06	0.61	0.01	-1.54e-03	0.0	2.99e-05
1437	207	-0.27	1.51e-03	-0.06	1.63e-06	0.0	4.57e-05
1437	225	-0.07	-0.70	-0.13	1.77e-03	0.0	-3.66e-05
1437	226	0.07	0.71	0.02	-1.80e-03	0.0	3.58e-05
1438	1	0.0	0.0	0.0	-1.81e-04	0.0	0.0
1438	65	0.0	0.0	0.0	-1.22e-04	0.0	0.0
1438	97	0.0	0.0	0.0	-1.36e-05	0.0	0.0
1438	106	0.0	0.0	0.0	-1.36e-05	0.0	0.0
1438	108	0.0	0.0	0.0	-3.39e-05	0.0	-3.74e-06
1438	140	0.0	0.0	0.0	-3.55e-05	0.0	-4.20e-06
1438	172	0.0	0.0	0.0	-3.35e-05	0.0	-4.17e-06
1438	204	0.0	0.0	0.0	-3.34e-05	0.0	-4.87e-06
1439	16	9.57e-04	0.22	-0.08	-2.78e-04	0.0	-1.54e-06
1439	18	9.35e-04	0.23	-0.13	-2.82e-04	0.0	-1.97e-06
1439	28	4.93e-05	-0.10	-0.19	1.28e-04	0.0	0.0
1439	73	6.42e-04	0.15	-0.06	-1.86e-04	0.0	-1.08e-06
1439	75	6.27e-04	0.15	-0.09	-1.89e-04	0.0	-1.37e-06
1439	80	3.68e-05	-0.06	-0.13	8.45e-05	0.0	0.0
1439	98	8.39e-06	0.01	-0.10	-1.30e-05	0.0	0.0
1439	102	1.41e-04	0.04	-0.07	-4.53e-05	0.0	0.0
1439	103	1.28e-04	0.04	-0.10	-4.77e-05	0.0	0.0
1439	106	2.30e-05	0.01	-0.07	-1.02e-05	0.0	0.0
1439	107	1.05e-05	0.01	-0.10	-1.26e-05	0.0	0.0
1439	108	0.49	0.03	-0.09	-3.12e-05	0.0	-7.28e-05
1439	129	-0.12	-1.08	-0.21	1.37e-03	0.0	-5.50e-05
1439	130	0.12	1.11	0.01	-1.40e-03	0.0	5.33e-05
1439	140	0.55	0.03	-0.09	-3.30e-05	0.0	-8.19e-05
1439	161	-0.13	-1.22	-0.22	1.54e-03	0.0	-6.20e-05
1439	162	0.13	1.24	0.02	-1.57e-03	0.0	6.04e-05
1439	172	0.53	0.03	-0.09	-3.10e-05	0.0	-8.13e-05
1439	193	-0.13	-1.21	-0.22	1.53e-03	0.0	-6.28e-05
1439	194	0.13	1.23	0.02	-1.56e-03	0.0	6.12e-05
1439	204	0.61	0.03	-0.09	-3.12e-05	0.0	-9.51e-05
1439	225	-0.15	-1.41	-0.24	1.79e-03	0.0	-7.49e-05
1439	226	0.15	1.44	0.04	-1.82e-03	0.0	7.32e-05
1440	18	2.60e-03	0.34	-0.19	-2.68e-04	0.0	-2.97e-06
1440	28	1.60e-03	-0.15	-0.27	1.31e-04	0.0	-1.22e-06
1440	75	1.79e-03	0.23	-0.14	-1.80e-04	0.0	-2.06e-06
1440	80	1.12e-03	-0.10	-0.19	8.66e-05	0.0	0.0
1440	98	8.25e-04	0.02	-0.15	-9.99e-06	0.0	-1.30e-06
1440	103	9.65e-04	0.06	-0.14	-4.35e-05	0.0	-1.37e-06
1440	107	7.92e-04	0.02	-0.14	-9.68e-06	0.0	-1.24e-06
1440	108	0.88	0.04	-0.13	-2.96e-05	0.0	-1.08e-04
1440	129	-0.21	-1.63	-0.30	1.39e-03	0.0	-8.17e-05
1440	130	0.21	1.67	0.01	-1.41e-03	0.0	7.92e-05
1440	140	0.99	0.04	-0.13	-3.16e-05	0.0	-1.22e-04
1440	161	-0.24	-1.84	-0.32	1.56e-03	0.0	-9.21e-05
1440	162	0.24	1.87	0.03	-1.58e-03	0.0	8.96e-05
1440	172	0.95	0.04	-0.13	-2.95e-05	0.0	-1.21e-04
1440	193	-0.24	-1.82	-0.32	1.55e-03	0.0	-9.33e-05
1440	194	0.24	1.86	0.03	-1.57e-03	0.0	9.08e-05
1440	204	1.10	0.04	-0.13	-2.99e-05	0.0	-1.41e-04
1440	225	-0.27	-2.13	-0.35	1.81e-03	0.0	-1.11e-04
1440	226	0.27	2.17	0.06	-1.83e-03	0.0	1.09e-04

1441	4	4.65e-03	0.28	-0.29	0.0	3.84e-06	2.30e-06
1441	18	4.11e-03	0.44	-0.25	0.0	3.38e-06	2.18e-06
1441	28	4.74e-03	-0.21	-0.28	0.0	3.86e-06	2.23e-06
1441	68	3.26e-03	0.19	-0.20	0.0	2.68e-06	1.61e-06
1441	75	2.90e-03	0.30	-0.18	0.0	2.38e-06	1.53e-06
1441	80	3.32e-03	-0.14	-0.20	0.0	2.69e-06	1.56e-06
1441	98	2.65e-03	0.02	-0.16	0.0	2.18e-06	1.23e-06
1441	103	2.54e-03	0.07	-0.16	0.0	2.08e-06	1.22e-06
1441	107	2.52e-03	0.02	-0.16	0.0	2.07e-06	1.17e-06
1441	113	1.66	-1.17	-0.16	0.0	9.51e-04	-1.90e-04
1441	124	1.04	1.94	-0.18	0.0	5.97e-04	1.04e-05
1441	130	0.25	2.30	-0.17	0.0	1.43e-04	1.40e-04
1441	145	1.87	-1.32	-0.16	0.0	1.07e-03	-2.15e-04
1441	156	1.17	2.18	-0.18	0.0	6.72e-04	1.18e-05
1441	162	0.28	2.59	-0.18	0.0	1.60e-04	1.58e-04
1441	177	1.85	-1.31	-0.16	0.0	1.06e-03	-2.14e-04
1441	188	1.16	2.15	-0.18	0.0	6.63e-04	1.33e-05
1441	194	0.27	2.57	-0.18	0.0	1.54e-04	1.62e-04
1441	209	2.16	-1.53	-0.16	0.0	1.24e-03	-2.52e-04
1441	220	1.35	2.50	-0.18	0.0	7.73e-04	1.68e-05
1441	226	0.30	3.00	-0.18	0.0	1.72e-04	1.95e-04
1442	4	6.50e-03	0.34	-0.37	0.0	4.82e-06	3.05e-06
1442	18	5.74e-03	0.55	-0.32	0.0	4.24e-06	2.87e-06
1442	28	6.60e-03	-0.27	-0.36	0.0	4.80e-06	2.98e-06
1442	68	4.55e-03	0.23	-0.25	0.0	3.36e-06	2.13e-06
1442	75	4.04e-03	0.37	-0.22	0.0	2.98e-06	2.02e-06
1442	80	4.61e-03	-0.18	-0.25	0.0	3.35e-06	2.09e-06
1442	98	3.70e-03	0.02	-0.21	0.0	2.73e-06	1.64e-06
1442	103	3.54e-03	0.09	-0.20	0.0	2.60e-06	1.62e-06
1442	107	3.52e-03	0.02	-0.20	0.0	2.58e-06	1.57e-06
1442	113	2.08	-1.50	-0.19	0.0	8.98e-04	-2.51e-04
1442	124	1.30	2.47	-0.22	0.0	5.65e-04	1.25e-05
1442	130	0.31	2.94	-0.22	0.0	1.36e-04	1.82e-04
1442	145	2.34	-1.70	-0.19	0.0	1.01e-03	-2.82e-04
1442	156	1.47	2.78	-0.23	0.0	6.35e-04	1.43e-05
1442	162	0.35	3.31	-0.22	0.0	1.53e-04	2.05e-04
1442	177	2.31	-1.67	-0.19	0.0	9.99e-04	-2.83e-04
1442	188	1.45	2.75	-0.23	0.0	6.27e-04	1.62e-05
1442	194	0.33	3.28	-0.22	0.0	1.46e-04	2.11e-04
1442	209	2.70	-1.95	-0.19	0.0	1.17e-03	-3.33e-04
1442	220	1.69	3.20	-0.23	0.0	7.31e-04	2.04e-05
1442	226	0.37	3.83	-0.23	0.0	1.64e-04	2.53e-04
1443	4	5.83e-03	0.28	-0.24	0.0	4.44e-06	1.67e-06
1443	18	5.23e-03	0.44	-0.20	0.0	3.95e-06	1.65e-06
1443	28	5.88e-03	-0.21	-0.23	0.0	4.46e-06	1.57e-06
1443	68	4.08e-03	0.19	-0.16	0.0	3.10e-06	1.17e-06
1443	75	3.68e-03	0.30	-0.14	0.0	2.78e-06	1.15e-06
1443	80	4.11e-03	-0.14	-0.16	0.0	3.12e-06	1.10e-06
1443	98	3.28e-03	0.02	-0.14	0.0	2.50e-06	0.0
1443	103	3.16e-03	0.07	-0.13	0.0	2.40e-06	0.0
1443	107	3.12e-03	0.02	-0.13	0.0	2.38e-06	0.0
1443	113	1.56	-1.17	-0.13	0.0	8.92e-04	-1.79e-04
1443	124	0.99	1.94	-0.13	0.0	5.67e-04	9.80e-06
1443	130	0.26	2.30	-0.13	0.0	1.46e-04	1.32e-04
1443	145	1.76	-1.32	-0.13	0.0	1.00e-03	-2.02e-04
1443	156	1.12	2.18	-0.14	0.0	6.38e-04	1.12e-05
1443	162	0.29	2.59	-0.13	0.0	1.64e-04	1.49e-04
1443	177	1.73	-1.30	-0.13	0.0	9.89e-04	-2.02e-04
1443	188	1.10	2.15	-0.13	0.0	6.28e-04	1.27e-05
1443	194	0.28	2.57	-0.13	0.0	1.58e-04	1.53e-04
1443	209	2.02	-1.52	-0.13	0.0	1.15e-03	-2.38e-04
1443	220	1.28	2.50	-0.14	0.0	7.31e-04	1.60e-05
1443	226	0.31	3.00	-0.13	0.0	1.78e-04	1.84e-04
1444	4	7.96e-03	0.34	-0.31	0.0	5.06e-06	2.09e-06
1444	18	7.13e-03	0.55	-0.27	0.0	4.50e-06	2.05e-06
1444	28	8.02e-03	-0.27	-0.31	0.0	5.07e-06	2.00e-06
1444	68	5.57e-03	0.23	-0.21	0.0	3.54e-06	1.46e-06
1444	75	5.02e-03	0.37	-0.19	0.0	3.16e-06	1.44e-06
1444	80	5.61e-03	-0.18	-0.21	0.0	3.54e-06	1.41e-06
1444	98	4.48e-03	0.02	-0.18	0.0	2.86e-06	1.08e-06
1444	103	4.31e-03	0.09	-0.17	0.0	2.74e-06	1.09e-06
1444	107	4.26e-03	0.02	-0.17	0.0	2.71e-06	1.03e-06
1444	113	1.96	-1.50	-0.17	0.0	8.61e-04	-2.25e-04
1444	124	1.24	2.47	-0.17	0.0	5.48e-04	1.18e-05
1444	130	0.32	2.94	-0.17	0.0	1.42e-04	1.65e-04

1444	145	2.20	-1.69	-0.17	0.0	9.69e-04	-2.54e-04
1444	156	1.40	2.78	-0.18	0.0	6.17e-04	1.36e-05
1444	162	0.36	3.31	-0.17	0.0	1.59e-04	1.86e-04
1444	177	2.17	-1.67	-0.17	0.0	9.54e-04	-2.54e-04
1444	188	1.38	2.75	-0.18	0.0	6.06e-04	1.53e-05
1444	194	0.35	3.28	-0.17	0.0	1.53e-04	1.91e-04
1444	209	2.53	-1.95	-0.17	0.0	1.11e-03	-2.99e-04
1444	220	1.60	3.20	-0.18	0.0	7.06e-04	1.94e-05
1444	226	0.39	3.83	-0.18	0.0	1.73e-04	2.29e-04
1445	4	6.53e-03	0.28	-0.23	0.0	4.77e-06	0.0
1445	18	5.95e-03	0.44	-0.20	0.0	4.29e-06	0.0
1445	28	6.52e-03	-0.21	-0.23	0.0	4.80e-06	0.0
1445	68	4.57e-03	0.19	-0.16	0.0	3.34e-06	0.0
1445	75	4.19e-03	0.30	-0.14	0.0	3.02e-06	0.0
1445	80	4.57e-03	-0.14	-0.16	0.0	3.36e-06	0.0
1445	98	3.62e-03	0.02	-0.13	0.0	2.68e-06	0.0
1445	103	3.51e-03	0.08	-0.13	0.0	2.59e-06	0.0
1445	107	3.44e-03	0.02	-0.13	0.0	2.55e-06	0.0
1445	113	1.49	-1.17	-0.13	0.0	8.50e-04	-1.68e-04
1445	130	0.26	2.30	-0.12	0.0	1.51e-04	1.24e-04
1445	133	0.96	-2.14	-0.14	0.0	5.51e-04	1.02e-05
1445	145	1.67	-1.32	-0.13	0.0	9.57e-04	-1.89e-04
1445	162	0.30	2.59	-0.12	0.0	1.69e-04	1.40e-04
1445	165	1.08	-2.41	-0.14	0.0	6.19e-04	1.18e-05
1445	177	1.64	-1.30	-0.13	0.0	9.38e-04	-1.89e-04
1445	194	0.29	2.57	-0.12	0.0	1.65e-04	1.43e-04
1445	197	1.06	-2.36	-0.14	0.0	6.07e-04	1.31e-05
1445	209	1.91	-1.52	-0.13	0.0	1.09e-03	-2.22e-04
1445	226	0.33	3.00	-0.12	0.0	1.86e-04	1.72e-04
1445	229	1.23	-2.75	-0.14	0.0	7.05e-04	1.66e-05
1446	18	7.99e-03	0.55	-0.26	0.0	4.68e-06	1.13e-06
1446	28	8.82e-03	-0.27	-0.31	0.0	5.28e-06	0.0
1446	75	5.62e-03	0.37	-0.18	0.0	3.30e-06	0.0
1446	80	6.17e-03	-0.18	-0.21	0.0	3.69e-06	0.0
1446	98	4.90e-03	0.02	-0.18	0.0	2.95e-06	0.0
1446	103	4.75e-03	0.09	-0.17	0.0	2.84e-06	0.0
1446	107	4.67e-03	0.02	-0.17	0.0	2.81e-06	0.0
1446	113	1.86	-1.50	-0.17	0.0	8.30e-04	-2.08e-04
1446	130	0.33	2.94	-0.16	0.0	1.48e-04	1.53e-04
1446	133	1.20	-2.74	-0.18	0.0	5.39e-04	1.30e-05
1446	145	2.10	-1.69	-0.17	0.0	9.35e-04	-2.34e-04
1446	162	0.37	3.31	-0.15	0.0	1.66e-04	1.73e-04
1446	165	1.35	-3.09	-0.18	0.0	6.06e-04	1.49e-05
1446	177	2.05	-1.67	-0.17	0.0	9.16e-04	-2.34e-04
1446	194	0.36	3.28	-0.15	0.0	1.61e-04	1.77e-04
1446	197	1.33	-3.03	-0.18	0.0	5.93e-04	1.66e-05
1446	209	2.39	-1.95	-0.17	0.0	1.07e-03	-2.74e-04
1446	226	0.41	3.83	-0.15	0.0	1.82e-04	2.13e-04
1446	229	1.54	-3.52	-0.18	0.0	6.89e-04	2.10e-05
1447	4	6.66e-03	0.28	-0.24	0.0	4.96e-06	0.0
1447	18	6.19e-03	0.44	-0.21	0.0	4.51e-06	0.0
1447	28	6.54e-03	-0.21	-0.25	0.0	5.00e-06	0.0
1447	68	4.66e-03	0.19	-0.17	0.0	3.47e-06	0.0
1447	75	4.35e-03	0.30	-0.15	0.0	3.17e-06	0.0
1447	80	4.58e-03	-0.14	-0.17	0.0	3.50e-06	0.0
1447	98	3.61e-03	0.02	-0.14	0.0	2.77e-06	0.0
1447	103	3.54e-03	0.08	-0.13	0.0	2.68e-06	0.0
1447	107	3.44e-03	0.02	-0.13	0.0	2.64e-06	0.0
1447	113	1.42	-1.17	-0.15	0.0	8.20e-04	-1.61e-04
1447	129	-0.27	-2.26	-0.16	0.0	-1.53e-04	-1.19e-04
1447	130	0.28	2.30	-0.11	0.0	1.58e-04	1.18e-04
1447	145	1.60	-1.32	-0.15	0.0	9.23e-04	-1.81e-04
1447	161	-0.30	-2.55	-0.16	0.0	-1.72e-04	-1.34e-04
1447	162	0.31	2.59	-0.11	0.0	1.77e-04	1.34e-04
1447	177	1.56	-1.30	-0.15	0.0	9.01e-04	-1.80e-04
1447	193	-0.30	-2.53	-0.16	0.0	-1.68e-04	-1.37e-04
1447	194	0.30	2.57	-0.11	0.0	1.73e-04	1.36e-04
1447	209	1.82	-1.52	-0.15	0.0	1.05e-03	-2.11e-04
1447	225	-0.34	-2.95	-0.17	0.0	-1.91e-04	-1.64e-04
1447	226	0.34	3.00	-0.10	0.0	1.97e-04	1.63e-04
1448	4	9.04e-03	0.35	-0.32	0.0	5.47e-06	0.0
1448	18	8.34e-03	0.55	-0.27	0.0	4.93e-06	0.0
1448	28	8.96e-03	-0.27	-0.32	0.0	5.57e-06	0.0
1448	68	6.33e-03	0.23	-0.22	0.0	3.83e-06	0.0
1448	75	5.87e-03	0.37	-0.19	0.0	3.47e-06	0.0

1448	80	6.28e-03	-0.18	-0.23	0.0	3.90e-06	0.0
1448	98	4.95e-03	0.02	-0.19	0.0	3.09e-06	0.0
1448	103	4.84e-03	0.09	-0.18	0.0	2.98e-06	0.0
1448	107	4.72e-03	0.02	-0.18	0.0	2.94e-06	0.0
1448	113	1.79	-1.50	-0.19	0.0	8.06e-04	-1.96e-04
1448	129	-0.34	-2.90	-0.21	0.0	-1.49e-04	-1.47e-04
1448	130	0.35	2.94	-0.14	0.0	1.55e-04	1.47e-04
1448	145	2.01	-1.69	-0.19	0.0	9.07e-04	-2.20e-04
1448	161	-0.38	-3.26	-0.21	0.0	-1.68e-04	-1.66e-04
1448	162	0.39	3.31	-0.14	0.0	1.74e-04	1.66e-04
1448	177	1.96	-1.67	-0.19	0.0	8.85e-04	-2.18e-04
1448	193	-0.37	-3.24	-0.21	0.0	-1.64e-04	-1.69e-04
1448	194	0.38	3.28	-0.14	0.0	1.70e-04	1.69e-04
1448	209	2.28	-1.95	-0.20	0.0	1.03e-03	-2.56e-04
1448	225	-0.42	-3.78	-0.22	0.0	-1.87e-04	-2.02e-04
1448	226	0.43	3.83	-0.13	0.0	1.93e-04	2.02e-04
1449	4	6.20e-03	0.28	-0.27	0.0	5.04e-06	-1.18e-06
1449	18	5.95e-03	0.45	-0.23	0.0	4.65e-06	0.0
1449	28	5.92e-03	-0.21	-0.28	0.0	5.08e-06	-1.53e-06
1449	68	4.34e-03	0.19	-0.19	0.0	3.54e-06	0.0
1449	75	4.17e-03	0.30	-0.16	0.0	3.27e-06	0.0
1449	80	4.15e-03	-0.14	-0.19	0.0	3.56e-06	-1.07e-06
1449	98	3.24e-03	0.02	-0.16	0.0	2.79e-06	0.0
1449	103	3.23e-03	0.08	-0.15	0.0	2.72e-06	0.0
1449	107	3.09e-03	0.02	-0.15	0.0	2.66e-06	0.0
1449	108	1.38	0.05	-0.15	0.0	8.13e-04	-1.58e-04
1449	129	-0.28	-2.26	-0.20	0.0	-1.64e-04	-1.18e-04
1449	130	0.29	2.30	-0.10	0.0	1.69e-04	1.16e-04
1449	140	1.55	0.05	-0.15	0.0	9.15e-04	-1.78e-04
1449	161	-0.32	-2.55	-0.21	0.0	-1.85e-04	-1.33e-04
1449	162	0.32	2.59	-0.09	0.0	1.90e-04	1.32e-04
1449	172	1.51	0.05	-0.15	0.0	8.88e-04	-1.75e-04
1449	193	-0.31	-2.53	-0.21	0.0	-1.82e-04	-1.35e-04
1449	194	0.32	2.57	-0.09	0.0	1.87e-04	1.33e-04
1449	204	1.75	0.05	-0.15	0.0	1.03e-03	-2.04e-04
1449	225	-0.36	-2.95	-0.22	0.0	-2.08e-04	-1.60e-04
1449	226	0.36	3.00	-0.08	0.0	2.13e-04	1.59e-04
1450	4	8.67e-03	0.35	-0.35	0.0	5.82e-06	-1.12e-06
1450	18	8.20e-03	0.55	-0.30	0.0	5.27e-06	0.0
1450	28	8.43e-03	-0.27	-0.36	0.0	5.99e-06	-1.48e-06
1450	68	6.07e-03	0.23	-0.25	0.0	4.09e-06	0.0
1450	75	5.75e-03	0.37	-0.21	0.0	3.72e-06	0.0
1450	80	5.91e-03	-0.18	-0.25	0.0	4.20e-06	-1.03e-06
1450	98	4.62e-03	0.02	-0.21	0.0	3.30e-06	0.0
1450	103	4.57e-03	0.09	-0.20	0.0	3.19e-06	0.0
1450	107	4.41e-03	0.02	-0.20	0.0	3.15e-06	0.0
1450	108	1.74	0.06	-0.19	0.0	7.94e-04	-1.88e-04
1450	129	-0.36	-2.89	-0.26	0.0	-1.58e-04	-1.51e-04
1450	130	0.36	2.94	-0.13	0.0	1.64e-04	1.49e-04
1450	140	1.96	0.07	-0.19	0.0	8.93e-04	-2.12e-04
1450	161	-0.40	-3.26	-0.27	0.0	-1.78e-04	-1.70e-04
1450	162	0.41	3.31	-0.12	0.0	1.85e-04	1.68e-04
1450	172	1.90	0.06	-0.19	0.0	8.66e-04	-2.07e-04
1450	193	-0.39	-3.23	-0.27	0.0	-1.75e-04	-1.70e-04
1450	194	0.40	3.28	-0.12	0.0	1.82e-04	1.68e-04
1450	209	2.20	-1.95	-0.24	0.0	1.00e-03	-2.40e-04
1450	225	-0.45	-3.78	-0.28	0.0	-2.01e-04	-2.01e-04
1450	226	0.46	3.83	-0.11	0.0	2.07e-04	2.00e-04
1451	18	5.34e-03	0.45	-0.30	0.0	4.72e-06	-1.15e-06
1451	28	4.79e-03	-0.21	-0.38	0.0	5.02e-06	-2.12e-06
1451	75	3.72e-03	0.30	-0.21	0.0	3.32e-06	0.0
1451	80	3.36e-03	-0.14	-0.27	0.0	3.52e-06	-1.48e-06
1451	98	2.58e-03	0.02	-0.22	0.0	2.73e-06	-1.23e-06
1451	103	2.65e-03	0.08	-0.20	0.0	2.69e-06	-1.08e-06
1451	107	2.46e-03	0.02	-0.21	0.0	2.60e-06	-1.17e-06
1451	108	1.36	0.05	-0.20	0.0	8.58e-04	-1.59e-04
1451	129	-0.30	-2.26	-0.30	0.0	-1.87e-04	-1.21e-04
1451	130	0.30	2.30	-0.11	0.0	1.92e-04	1.19e-04
1451	140	1.53	0.05	-0.20	0.0	9.65e-04	-1.78e-04
1451	161	-0.34	-2.55	-0.31	0.0	-2.10e-04	-1.36e-04
1451	162	0.34	2.59	-0.10	0.0	2.16e-04	1.34e-04
1451	172	1.48	0.05	-0.20	0.0	9.31e-04	-1.73e-04
1451	193	-0.34	-2.52	-0.31	0.0	-2.09e-04	-1.36e-04
1451	194	0.34	2.57	-0.10	0.0	2.14e-04	1.33e-04
1451	204	1.71	0.05	-0.19	0.0	1.07e-03	-2.01e-04

1451	225	-0.39	-2.95	-0.33	0.0	-2.40e-04	-1.61e-04
1451	226	0.39	3.00	-0.08	0.0	2.45e-04	1.58e-04
1452	4	7.75e-03	0.35	-0.45	0.0	6.13e-06	-1.90e-06
1452	18	7.62e-03	0.55	-0.38	0.0	5.58e-06	-1.20e-06
1452	28	7.28e-03	-0.27	-0.48	0.0	6.35e-06	-2.39e-06
1452	68	5.42e-03	0.24	-0.31	0.0	4.31e-06	-1.34e-06
1452	75	5.33e-03	0.37	-0.27	0.0	3.94e-06	0.0
1452	80	5.11e-03	-0.18	-0.33	0.0	4.45e-06	-1.67e-06
1452	98	3.94e-03	0.02	-0.27	0.0	3.47e-06	-1.42e-06
1452	103	3.98e-03	0.09	-0.25	0.0	3.36e-06	-1.23e-06
1452	107	3.76e-03	0.02	-0.26	0.0	3.31e-06	-1.34e-06
1452	108	1.74	0.06	-0.25	0.0	8.03e-04	2.54e-04
1452	129	-0.38	-2.89	-0.38	0.0	-1.72e-04	-1.70e-04
1452	130	0.39	2.94	-0.13	0.0	1.78e-04	1.68e-04
1452	140	1.96	0.07	-0.25	0.0	9.03e-04	2.86e-04
1452	161	-0.43	-3.26	-0.40	0.0	-1.94e-04	-1.92e-04
1452	162	0.44	3.31	-0.12	0.0	2.00e-04	1.89e-04
1452	172	1.89	0.06	-0.24	0.0	8.71e-04	2.72e-04
1452	193	-0.43	-3.23	-0.39	0.0	-1.92e-04	-1.86e-04
1452	194	0.43	3.28	-0.12	0.0	1.98e-04	1.84e-04
1452	204	2.18	0.06	-0.24	0.0	1.01e-03	3.13e-04
1452	225	-0.49	-3.78	-0.42	0.0	-2.21e-04	-2.18e-04
1452	226	0.50	3.83	-0.10	0.0	2.27e-04	2.16e-04
1453	18	4.66e-03	0.45	-0.26	-2.48e-04	0.0	-4.12e-06
1453	28	3.57e-03	-0.21	-0.37	1.33e-04	0.0	-1.66e-06
1453	75	3.23e-03	0.30	-0.19	-1.66e-04	0.0	-2.85e-06
1453	80	2.51e-03	-0.14	-0.26	8.79e-05	0.0	-1.22e-06
1453	98	1.87e-03	0.02	-0.20	-6.49e-06	0.0	-1.78e-06
1453	103	2.03e-03	0.08	-0.19	-3.81e-05	0.0	-1.89e-06
1453	107	1.79e-03	0.02	-0.19	-6.28e-06	0.0	-1.70e-06
1453	108	1.36	0.05	-0.18	-2.78e-05	0.0	-1.48e-04
1453	129	-0.32	-2.26	-0.40	1.40e-03	0.0	-1.11e-04
1453	130	0.32	2.30	0.01	-1.41e-03	0.0	1.08e-04
1453	140	1.53	0.06	-0.18	-2.99e-05	0.0	-1.66e-04
1453	161	-0.36	-2.55	-0.42	1.58e-03	0.0	-1.25e-04
1453	162	0.36	2.59	0.04	-1.59e-03	0.0	1.22e-04
1453	172	1.47	0.05	-0.18	-2.78e-05	0.0	-1.65e-04
1453	193	-0.36	-2.52	-0.42	1.57e-03	0.0	-1.27e-04
1453	194	0.36	2.57	0.04	-1.58e-03	0.0	1.24e-04
1453	204	1.69	0.05	-0.18	-2.85e-05	0.0	-1.93e-04
1453	225	-0.42	-2.95	-0.46	1.83e-03	0.0	-1.52e-04
1453	226	0.42	3.00	0.07	-1.84e-03	0.0	1.48e-04
1454	18	6.77e-03	0.56	-0.35	-2.27e-04	0.0	-5.28e-06
1454	28	5.65e-03	-0.27	-0.48	1.35e-04	0.0	-2.09e-06
1454	75	4.72e-03	0.38	-0.25	-1.52e-04	0.0	-3.66e-06
1454	80	3.97e-03	-0.18	-0.34	8.98e-05	0.0	-1.53e-06
1454	98	2.97e-03	0.02	-0.27	-2.49e-06	0.0	-2.26e-06
1454	103	3.14e-03	0.09	-0.25	-3.22e-05	0.0	-2.41e-06
1454	107	2.85e-03	0.02	-0.25	-2.38e-06	0.0	-2.15e-06
1454	108	1.82	0.06	-0.24	-2.54e-05	0.0	-1.86e-04
1454	129	-0.42	-2.89	-0.50	1.42e-03	0.0	-1.40e-04
1454	130	0.43	2.94	-5.06e-03	-1.42e-03	0.0	1.36e-04
1454	140	2.04	0.07	-0.23	-2.78e-05	0.0	-2.09e-04
1454	161	-0.48	-3.26	-0.53	1.59e-03	0.0	-1.58e-04
1454	162	0.48	3.31	0.03	-1.60e-03	0.0	1.54e-04
1454	172	1.96	0.06	-0.23	-2.57e-05	0.0	-2.07e-04
1454	193	-0.48	-3.23	-0.53	1.58e-03	0.0	-1.60e-04
1454	194	0.48	3.28	0.02	-1.58e-03	0.0	1.56e-04
1454	204	2.26	0.06	-0.23	-2.67e-05	0.0	-2.43e-04
1454	225	-0.55	-3.78	-0.58	1.85e-03	0.0	-1.91e-04
1454	226	0.56	3.83	0.07	-1.85e-03	0.0	1.86e-04
1455	4	8.82e-03	0.40	-0.46	0.0	5.90e-06	3.21e-06
1455	18	7.78e-03	0.64	-0.40	0.0	5.18e-06	3.04e-06
1455	28	8.90e-03	-0.34	-0.45	0.0	5.84e-06	3.18e-06
1455	68	6.17e-03	0.27	-0.32	0.0	4.11e-06	2.25e-06
1455	75	5.47e-03	0.43	-0.28	0.0	3.64e-06	2.14e-06
1455	80	6.22e-03	-0.22	-0.31	0.0	4.07e-06	2.23e-06
1455	98	5.01e-03	0.02	-0.26	0.0	3.33e-06	1.73e-06
1455	103	4.79e-03	0.10	-0.24	0.0	3.18e-06	1.72e-06
1455	107	4.76e-03	0.02	-0.24	0.0	3.16e-06	1.66e-06
1455	113	2.45	-1.83	-0.24	0.0	8.46e-04	-2.73e-04
1455	124	1.54	2.99	-0.28	0.0	5.33e-04	1.43e-05
1455	130	0.37	3.55	-0.27	0.0	1.30e-04	1.99e-04
1455	145	2.76	-2.06	-0.24	0.0	9.53e-04	-3.08e-04
1455	156	1.73	3.36	-0.28	0.0	6.00e-04	1.63e-05

1455	162	0.41	4.00	-0.28	0.0	1.45e-04	2.25e-04
1455	177	2.73	-2.03	-0.24	0.0	9.41e-04	-3.08e-04
1455	188	1.71	3.32	-0.28	0.0	5.91e-04	1.84e-05
1455	194	0.40	3.96	-0.28	0.0	1.39e-04	2.32e-04
1455	209	3.19	-2.37	-0.24	0.0	1.10e-03	-3.63e-04
1455	220	2.00	3.87	-0.29	0.0	6.89e-04	2.32e-05
1455	226	0.44	4.63	-0.28	0.0	1.56e-04	2.78e-04
1456	4	0.01	0.44	-0.59	0.0	6.81e-06	2.53e-06
1456	18	0.01	0.73	-0.52	0.0	5.98e-06	2.48e-06
1456	28	0.01	-0.41	-0.58	0.0	6.72e-06	2.56e-06
1456	68	8.18e-03	0.30	-0.41	0.0	4.75e-06	1.78e-06
1456	75	7.25e-03	0.49	-0.36	0.0	4.19e-06	1.75e-06
1456	80	8.20e-03	-0.27	-0.41	0.0	4.69e-06	1.80e-06
1456	98	6.64e-03	0.01	-0.34	0.0	3.84e-06	1.35e-06
1456	103	6.34e-03	0.11	-0.32	0.0	3.66e-06	1.36e-06
1456	107	6.30e-03	0.01	-0.32	0.0	3.64e-06	1.30e-06
1456	113	2.81	-2.15	-0.32	0.0	8.07e-04	-2.82e-04
1456	124	1.76	3.51	-0.36	0.0	5.09e-04	1.69e-05
1456	130	0.42	4.17	-0.35	0.0	1.25e-04	2.09e-04
1456	145	3.16	-2.43	-0.32	0.0	9.08e-04	-3.17e-04
1456	156	1.98	3.94	-0.36	0.0	5.73e-04	1.93e-05
1456	162	0.47	4.69	-0.36	0.0	1.40e-04	2.36e-04
1456	177	3.12	-2.39	-0.32	0.0	8.97e-04	-3.17e-04
1456	188	1.96	3.90	-0.36	0.0	5.65e-04	2.14e-05
1456	194	0.46	4.65	-0.36	0.0	1.34e-04	2.42e-04
1456	209	3.65	-2.79	-0.32	0.0	1.05e-03	-3.72e-04
1456	220	2.28	4.54	-0.37	0.0	6.58e-04	2.69e-05
1456	226	0.51	5.43	-0.36	0.0	1.50e-04	2.90e-04
1457	4	0.02	0.49	-0.78	-1.17e-04	7.76e-05	1.22e-06
1457	18	0.01	0.81	-0.67	-1.05e-04	6.92e-05	1.39e-06
1457	68	0.01	0.33	-0.54	-8.03e-05	5.46e-05	0.0
1457	75	9.29e-03	0.54	-0.47	-7.22e-05	4.89e-05	0.0
1457	98	8.51e-03	4.54e-03	-0.44	-5.93e-05	4.49e-05	0.0
1457	103	8.13e-03	0.11	-0.42	-5.73e-05	4.31e-05	0.0
1457	107	8.07e-03	4.48e-03	-0.42	-5.52e-05	4.28e-05	0.0
1457	113	3.14	-2.48	-0.41	-5.68e-05	1.32e-03	-2.99e-04
1457	124	1.98	4.02	-0.46	-1.30e-04	8.61e-04	1.98e-05
1457	130	0.48	4.78	-0.46	-1.21e-04	2.76e-04	2.24e-04
1457	145	3.54	-2.80	-0.41	-5.69e-05	1.48e-03	-3.36e-04
1457	156	2.22	4.53	-0.47	-1.39e-04	9.63e-04	2.27e-05
1457	162	0.53	5.38	-0.46	-1.29e-04	3.05e-04	2.53e-04
1457	177	3.50	-2.76	-0.41	-5.57e-05	1.44e-03	-3.35e-04
1457	188	2.19	4.47	-0.47	-1.38e-04	9.39e-04	2.47e-05
1457	194	0.51	5.34	-0.46	-1.28e-04	2.99e-04	2.58e-04
1457	209	4.09	-3.22	-0.41	-5.52e-05	1.67e-03	-3.92e-04
1457	220	2.56	5.21	-0.47	-1.51e-04	1.08e-03	3.11e-05
1457	226	0.57	6.24	-0.47	-1.40e-04	3.35e-04	3.09e-04
1458	4	0.01	0.40	-0.40	0.0	5.62e-06	2.17e-06
1458	18	9.21e-03	0.64	-0.34	0.0	4.98e-06	2.15e-06
1458	28	0.01	-0.33	-0.39	0.0	5.60e-06	2.13e-06
1458	68	7.21e-03	0.27	-0.28	0.0	3.92e-06	1.53e-06
1458	75	6.48e-03	0.43	-0.24	0.0	3.50e-06	1.51e-06
1458	80	7.25e-03	-0.22	-0.28	0.0	3.92e-06	1.50e-06
1458	98	5.81e-03	0.02	-0.23	0.0	3.17e-06	1.13e-06
1458	103	5.58e-03	0.10	-0.21	0.0	3.04e-06	1.15e-06
1458	107	5.52e-03	0.02	-0.21	0.0	3.01e-06	1.09e-06
1458	113	2.32	-1.83	-0.22	0.0	8.36e-04	-2.57e-04
1458	124	1.48	2.99	-0.22	0.0	5.33e-04	1.39e-05
1458	130	0.38	3.55	-0.22	0.0	1.39e-04	1.88e-04
1458	145	2.62	-2.06	-0.22	0.0	9.41e-04	-2.89e-04
1458	156	1.66	3.36	-0.22	0.0	6.00e-04	1.59e-05
1458	162	0.43	4.00	-0.22	0.0	1.55e-04	2.13e-04
1458	177	2.57	-2.03	-0.22	0.0	9.26e-04	-2.89e-04
1458	188	1.63	3.32	-0.22	0.0	5.89e-04	1.79e-05
1458	194	0.41	3.96	-0.22	0.0	1.50e-04	2.18e-04
1458	209	3.00	-2.37	-0.22	0.0	1.08e-03	-3.40e-04
1458	220	1.90	3.87	-0.23	0.0	6.86e-04	2.27e-05
1458	226	0.46	4.63	-0.22	0.0	1.69e-04	2.62e-04
1459	4	0.01	0.45	-0.53	0.0	6.03e-06	1.83e-06
1459	18	0.01	0.73	-0.46	0.0	5.34e-06	1.88e-06
1459	28	0.01	-0.40	-0.53	0.0	6.00e-06	1.85e-06
1459	68	9.01e-03	0.30	-0.37	0.0	4.21e-06	1.30e-06
1459	75	8.08e-03	0.49	-0.32	0.0	3.75e-06	1.33e-06
1459	80	9.05e-03	-0.27	-0.37	0.0	4.19e-06	1.31e-06
1459	98	7.26e-03	0.01	-0.30	0.0	3.40e-06	0.0

1459	103	6.98e-03	0.11	-0.29	0.0	3.26e-06	0.0
1459	107	6.90e-03	0.01	-0.29	0.0	3.22e-06	0.0
1459	113	2.68	-2.15	-0.29	0.0	8.17e-04	-2.78e-04
1459	124	1.70	3.51	-0.30	0.0	5.22e-04	1.66e-05
1459	130	0.44	4.17	-0.29	0.0	1.36e-04	2.06e-04
1459	145	3.02	-2.42	-0.29	0.0	9.20e-04	-3.14e-04
1459	156	1.92	3.94	-0.30	0.0	5.87e-04	1.90e-05
1459	162	0.49	4.69	-0.30	0.0	1.53e-04	2.33e-04
1459	177	2.97	-2.39	-0.29	0.0	9.05e-04	-3.13e-04
1459	188	1.89	3.90	-0.30	0.0	5.76e-04	2.10e-05
1459	194	0.48	4.65	-0.29	0.0	1.47e-04	2.39e-04
1459	209	3.46	-2.79	-0.29	0.0	1.05e-03	-3.68e-04
1459	220	2.20	4.54	-0.30	0.0	6.71e-04	2.66e-05
1459	226	0.53	5.43	-0.30	0.0	1.66e-04	2.86e-04
1460	4	0.02	0.49	-0.76	-2.48e-05	7.54e-05	1.11e-06
1460	18	0.01	0.81	-0.65	-2.65e-05	6.71e-05	1.28e-06
1460	28	0.02	-0.47	-0.76	-2.98e-06	7.42e-05	1.21e-06
1460	68	0.01	0.33	-0.53	-1.55e-05	5.30e-05	0.0
1460	75	9.81e-03	0.54	-0.46	-1.66e-05	4.75e-05	0.0
1460	80	0.01	-0.32	-0.53	0.0	5.22e-05	0.0
1460	98	8.83e-03	6.01e-03	-0.43	-4.19e-06	4.36e-05	0.0
1460	103	8.48e-03	0.11	-0.41	-5.36e-06	4.18e-05	0.0
1460	107	8.38e-03	5.90e-03	-0.41	-2.94e-06	4.16e-05	0.0
1460	113	3.03	-2.48	-0.41	1.89e-06	1.30e-03	-2.97e-04
1460	124	1.93	4.02	-0.42	-8.69e-05	8.58e-04	1.98e-05
1460	130	0.50	4.78	-0.42	-7.80e-05	2.82e-04	2.23e-04
1460	145	3.41	-2.79	-0.41	2.53e-06	1.46e-03	-3.35e-04
1460	156	2.17	4.53	-0.42	-9.73e-05	9.59e-04	2.27e-05
1460	162	0.56	5.38	-0.42	-8.74e-05	3.12e-04	2.52e-04
1460	177	3.35	-2.76	-0.41	3.56e-06	1.42e-03	-3.33e-04
1460	188	2.13	4.47	-0.42	-9.57e-05	9.33e-04	2.47e-05
1460	194	0.54	5.34	-0.42	-8.66e-05	3.07e-04	2.57e-04
1460	209	3.91	-3.22	-0.41	5.07e-06	1.64e-03	-3.90e-04
1460	220	2.48	5.21	-0.43	-1.11e-04	1.07e-03	3.10e-05
1460	226	0.61	6.23	-0.42	-1.00e-04	3.45e-04	3.08e-04
1461	18	0.01	0.64	-0.34	0.0	4.96e-06	1.29e-06
1461	28	0.01	-0.33	-0.40	0.0	5.61e-06	1.07e-06
1461	75	7.12e-03	0.43	-0.24	0.0	3.49e-06	0.0
1461	80	7.85e-03	-0.22	-0.28	0.0	3.93e-06	0.0
1461	98	6.25e-03	0.02	-0.23	0.0	3.14e-06	0.0
1461	103	6.04e-03	0.10	-0.21	0.0	3.02e-06	0.0
1461	107	5.94e-03	0.02	-0.21	0.0	2.99e-06	0.0
1461	113	2.22	-1.82	-0.22	0.0	8.18e-04	-2.41e-04
1461	130	0.39	3.55	-0.20	0.0	1.46e-04	1.78e-04
1461	133	1.43	-3.33	-0.23	0.0	5.31e-04	1.57e-05
1461	145	2.49	-2.06	-0.22	0.0	9.21e-04	-2.71e-04
1461	162	0.44	4.00	-0.20	0.0	1.64e-04	2.02e-04
1461	165	1.61	-3.74	-0.23	0.0	5.98e-04	1.81e-05
1461	177	2.45	-2.03	-0.22	0.0	9.02e-04	-2.71e-04
1461	194	0.43	3.97	-0.20	0.0	1.59e-04	2.06e-04
1461	197	1.58	-3.67	-0.23	0.0	5.85e-04	2.00e-05
1461	209	2.85	-2.37	-0.22	0.0	1.05e-03	-3.18e-04
1461	226	0.49	4.63	-0.20	0.0	1.80e-04	2.47e-04
1461	229	1.84	-4.27	-0.23	0.0	6.80e-04	2.52e-05
1462	18	0.01	0.73	-0.45	0.0	5.12e-06	1.33e-06
1462	28	0.01	-0.40	-0.53	0.0	5.81e-06	1.19e-06
1462	75	8.68e-03	0.49	-0.32	0.0	3.61e-06	0.0
1462	80	9.61e-03	-0.26	-0.37	0.0	4.06e-06	0.0
1462	98	7.65e-03	0.02	-0.30	0.0	3.25e-06	0.0
1462	103	7.39e-03	0.11	-0.29	0.0	3.13e-06	0.0
1462	107	7.28e-03	0.02	-0.29	0.0	3.09e-06	0.0
1462	113	2.57	-2.15	-0.30	0.0	8.11e-04	-2.71e-04
1462	130	0.46	4.17	-0.27	0.0	1.45e-04	2.02e-04
1462	133	1.66	-3.92	-0.30	0.0	5.27e-04	1.87e-05
1462	145	2.89	-2.42	-0.30	0.0	9.13e-04	-3.05e-04
1462	162	0.51	4.69	-0.27	0.0	1.63e-04	2.28e-04
1462	165	1.87	-4.41	-0.30	0.0	5.93e-04	2.15e-05
1462	177	2.83	-2.39	-0.30	0.0	8.94e-04	-3.04e-04
1462	194	0.50	4.65	-0.27	0.0	1.58e-04	2.33e-04
1462	197	1.83	-4.33	-0.30	0.0	5.80e-04	2.36e-05
1462	209	3.30	-2.79	-0.30	0.0	1.04e-03	-3.56e-04
1462	226	0.56	5.43	-0.27	0.0	1.78e-04	2.79e-04
1462	229	2.13	-5.02	-0.31	0.0	6.74e-04	2.97e-05
1463	18	0.01	0.81	-0.66	4.69e-05	6.55e-05	1.19e-06
1463	28	0.02	-0.47	-0.77	8.85e-05	7.26e-05	1.12e-06

1463	75	0.01	0.54	-0.46	3.55e-05	4.63e-05	0.0
1463	80	0.01	-0.31	-0.54	6.32e-05	5.11e-05	0.0
1463	98	9.10e-03	7.58e-03	-0.44	4.86e-05	4.26e-05	0.0
1463	103	8.79e-03	0.11	-0.42	4.44e-05	4.09e-05	0.0
1463	107	8.66e-03	7.41e-03	-0.42	4.74e-05	4.07e-05	0.0
1463	113	2.92	-2.48	-0.43	5.56e-05	1.30e-03	-2.97e-04
1463	130	0.52	4.78	-0.40	-5.95e-05	2.88e-04	2.23e-04
1463	133	1.89	-4.51	-0.44	1.31e-04	8.62e-04	2.16e-05
1463	145	3.28	-2.79	-0.43	5.67e-05	1.45e-03	-3.35e-04
1463	162	0.58	5.38	-0.40	-7.29e-05	3.19e-04	2.52e-04
1463	165	2.13	-5.07	-0.44	1.42e-04	9.65e-04	2.48e-05
1463	177	3.22	-2.75	-0.43	5.73e-05	1.41e-03	-3.33e-04
1463	194	0.57	5.34	-0.40	-7.12e-05	3.15e-04	2.57e-04
1463	197	2.08	-4.98	-0.44	1.40e-04	9.37e-04	2.70e-05
1463	209	3.74	-3.21	-0.43	5.92e-05	1.63e-03	-3.91e-04
1463	226	0.64	6.23	-0.40	-9.08e-05	3.54e-04	3.08e-04
1463	229	2.42	-5.78	-0.44	1.55e-04	1.08e-03	3.40e-05
1464	4	0.01	0.40	-0.41	0.0	5.81e-06	0.0
1464	18	0.01	0.65	-0.35	0.0	5.20e-06	0.0
1464	28	0.01	-0.33	-0.42	0.0	5.96e-06	0.0
1464	68	8.08e-03	0.27	-0.29	0.0	4.07e-06	0.0
1464	75	7.45e-03	0.43	-0.25	0.0	3.67e-06	0.0
1464	80	8.07e-03	-0.22	-0.29	0.0	4.18e-06	0.0
1464	98	6.37e-03	0.02	-0.24	0.0	3.31e-06	0.0
1464	103	6.21e-03	0.10	-0.23	0.0	3.18e-06	0.0
1464	107	6.07e-03	0.02	-0.23	0.0	3.15e-06	0.0
1464	113	2.13	-1.82	-0.24	0.0	7.97e-04	-2.28e-04
1464	129	-0.40	-3.51	-0.27	0.0	-1.47e-04	-1.73e-04
1464	130	0.41	3.55	-0.19	0.0	1.53e-04	1.73e-04
1464	145	2.40	-2.05	-0.25	0.0	8.96e-04	-2.57e-04
1464	161	-0.45	-3.96	-0.27	0.0	-1.65e-04	-1.96e-04
1464	162	0.46	4.00	-0.18	0.0	1.72e-04	1.96e-04
1464	177	2.34	-2.03	-0.25	0.0	8.74e-04	-2.55e-04
1464	193	-0.44	-3.92	-0.27	0.0	-1.61e-04	-1.99e-04
1464	194	0.45	3.97	-0.18	0.0	1.68e-04	1.99e-04
1464	209	2.72	-2.37	-0.25	0.0	1.01e-03	-2.98e-04
1464	225	-0.50	-4.59	-0.28	0.0	-1.84e-04	-2.38e-04
1464	226	0.51	4.63	-0.18	0.0	1.90e-04	2.38e-04
1465	18	0.01	0.74	-0.47	0.0	5.32e-06	0.0
1465	28	0.01	-0.40	-0.56	0.0	6.14e-06	0.0
1465	75	9.09e-03	0.49	-0.33	0.0	3.76e-06	0.0
1465	80	9.95e-03	-0.26	-0.39	0.0	4.30e-06	0.0
1465	98	7.86e-03	0.02	-0.32	0.0	3.40e-06	0.0
1465	103	7.64e-03	0.11	-0.30	0.0	3.27e-06	0.0
1465	107	7.49e-03	0.02	-0.30	0.0	3.24e-06	0.0
1465	113	2.48	-2.15	-0.32	0.0	7.89e-04	-2.63e-04
1465	129	-0.46	-4.14	-0.35	0.0	-1.45e-04	-1.98e-04
1465	130	0.48	4.17	-0.26	0.0	1.51e-04	1.99e-04
1465	145	2.79	-2.42	-0.33	0.0	8.88e-04	-2.96e-04
1465	161	-0.52	-4.66	-0.35	0.0	-1.63e-04	-2.24e-04
1465	162	0.54	4.69	-0.25	0.0	1.70e-04	2.25e-04
1465	177	2.72	-2.39	-0.33	0.0	8.66e-04	-2.94e-04
1465	193	-0.51	-4.62	-0.35	0.0	-1.59e-04	-2.28e-04
1465	194	0.52	4.65	-0.25	0.0	1.66e-04	2.28e-04
1465	209	3.16	-2.79	-0.33	0.0	1.00e-03	-3.44e-04
1465	225	-0.58	-5.40	-0.36	0.0	-1.82e-04	-2.73e-04
1465	226	0.60	5.44	-0.24	0.0	1.88e-04	2.73e-04
1466	18	0.02	0.82	-0.68	1.27e-04	6.37e-05	1.31e-06
1466	28	0.02	-0.47	-0.82	1.92e-04	7.08e-05	1.27e-06
1466	75	0.01	0.54	-0.48	9.26e-05	4.51e-05	0.0
1466	80	0.01	-0.31	-0.57	1.36e-04	4.98e-05	0.0
1466	98	9.35e-03	8.98e-03	-0.47	1.08e-04	4.15e-05	0.0
1466	103	9.07e-03	0.12	-0.44	1.00e-04	3.98e-05	0.0
1466	107	8.91e-03	8.76e-03	-0.44	1.04e-04	3.96e-05	0.0
1466	113	2.81	-2.48	-0.47	1.71e-04	1.29e-03	-2.97e-04
1466	129	-0.53	-4.76	-0.49	2.57e-04	-2.13e-04	-2.22e-04
1466	130	0.54	4.78	-0.39	-4.87e-05	2.93e-04	2.23e-04
1466	145	3.17	-2.79	-0.47	1.79e-04	1.44e-03	-3.35e-04
1466	161	-0.59	-5.36	-0.50	2.76e-04	-2.45e-04	-2.51e-04
1466	162	0.61	5.38	-0.38	-6.78e-05	3.24e-04	2.52e-04
1466	177	3.09	-2.75	-0.47	1.77e-04	1.40e-03	-3.33e-04
1466	193	-0.58	-5.32	-0.50	2.74e-04	-2.41e-04	-2.56e-04
1466	194	0.60	5.34	-0.38	-6.57e-05	3.20e-04	2.57e-04
1466	209	3.59	-3.21	-0.47	1.89e-04	1.61e-03	-3.90e-04
1466	225	-0.66	-6.22	-0.51	3.02e-04	-2.82e-04	-3.06e-04

1466	226	0.68	6.24	-0.38	-9.39e-05	3.61e-04	3.08e-04
1467	4	0.01	0.41	-0.45	0.0	6.45e-06	0.0
1467	18	0.01	0.65	-0.38	0.0	5.77e-06	0.0
1467	28	0.01	-0.33	-0.47	0.0	6.73e-06	-1.09e-06
1467	68	7.97e-03	0.27	-0.32	0.0	4.53e-06	0.0
1467	75	7.47e-03	0.43	-0.27	0.0	4.08e-06	0.0
1467	80	7.89e-03	-0.22	-0.33	0.0	4.72e-06	0.0
1467	98	6.17e-03	0.02	-0.27	0.0	3.71e-06	0.0
1467	103	6.07e-03	0.10	-0.25	0.0	3.57e-06	0.0
1467	107	5.89e-03	0.02	-0.25	0.0	3.54e-06	0.0
1467	113	2.08	-1.82	-0.29	0.0	7.71e-04	-2.20e-04
1467	129	-0.42	-3.51	-0.33	0.0	-1.51e-04	-1.76e-04
1467	130	0.43	3.56	-0.17	0.0	1.59e-04	1.75e-04
1467	145	2.34	-2.05	-0.29	0.0	8.67e-04	-2.48e-04
1467	161	-0.48	-3.95	-0.34	0.0	-1.71e-04	-1.99e-04
1467	162	0.49	4.00	-0.16	0.0	1.78e-04	1.97e-04
1467	177	2.27	-2.03	-0.29	0.0	8.42e-04	-2.42e-04
1467	193	-0.47	-3.92	-0.34	0.0	-1.68e-04	-1.99e-04
1467	194	0.48	3.97	-0.17	0.0	1.75e-04	1.98e-04
1467	209	2.63	-2.37	-0.30	0.0	9.74e-04	-2.82e-04
1467	225	-0.54	-4.59	-0.36	0.0	-1.92e-04	-2.37e-04
1467	226	0.55	4.63	-0.15	0.0	1.99e-04	2.35e-04
1468	18	0.01	0.74	-0.51	0.0	6.10e-06	0.0
1468	28	0.01	-0.39	-0.62	0.0	7.23e-06	0.0
1468	75	9.34e-03	0.49	-0.36	0.0	4.32e-06	0.0
1468	80	0.01	-0.26	-0.44	0.0	5.07e-06	0.0
1468	98	7.89e-03	0.02	-0.36	0.0	3.99e-06	0.0
1468	103	7.72e-03	0.11	-0.33	0.0	3.83e-06	0.0
1468	107	7.53e-03	0.02	-0.34	0.0	3.81e-06	0.0
1468	113	2.41	-2.15	-0.38	0.0	7.48e-04	-2.57e-04
1468	129	-0.49	-4.13	-0.43	0.0	-1.45e-04	-1.98e-04
1468	130	0.50	4.17	-0.25	0.0	1.53e-04	1.98e-04
1468	145	2.71	-2.42	-0.38	0.0	8.41e-04	-2.89e-04
1468	161	-0.55	-4.65	-0.44	0.0	-1.64e-04	-2.24e-04
1468	162	0.56	4.69	-0.23	0.0	1.71e-04	2.24e-04
1468	177	2.63	-2.39	-0.38	0.0	8.17e-04	-2.86e-04
1468	193	-0.54	-4.62	-0.44	0.0	-1.61e-04	-2.27e-04
1468	194	0.55	4.66	-0.24	0.0	1.68e-04	2.26e-04
1468	209	3.05	-2.78	-0.39	0.0	9.45e-04	-3.33e-04
1468	225	-0.62	-5.40	-0.46	0.0	-1.84e-04	-2.71e-04
1468	226	0.63	5.44	-0.22	0.0	1.92e-04	2.70e-04
1469	18	0.02	0.82	-0.73	2.29e-04	6.10e-05	1.44e-06
1469	28	0.02	-0.47	-0.89	3.27e-04	6.78e-05	1.48e-06
1469	75	0.01	0.55	-0.52	1.66e-04	4.31e-05	1.03e-06
1469	80	0.01	-0.31	-0.62	2.31e-04	4.77e-05	1.06e-06
1469	98	9.73e-03	0.01	-0.51	1.86e-04	3.98e-05	0.0
1469	103	9.47e-03	0.12	-0.48	1.73e-04	3.81e-05	0.0
1469	107	9.28e-03	0.01	-0.48	1.78e-04	3.79e-05	0.0
1469	113	2.72	-2.48	-0.53	2.81e-04	1.27e-03	-2.97e-04
1469	129	-0.55	-4.76	-0.59	4.10e-04	-2.18e-04	-2.22e-04
1469	130	0.57	4.78	-0.38	-5.32e-05	2.93e-04	2.23e-04
1469	145	3.06	-2.79	-0.54	2.93e-04	1.42e-03	-3.35e-04
1469	161	-0.62	-5.36	-0.60	4.39e-04	-2.50e-04	-2.51e-04
1469	162	0.64	5.38	-0.37	-8.22e-05	3.26e-04	2.52e-04
1469	177	2.98	-2.75	-0.53	2.91e-04	1.38e-03	-3.33e-04
1469	193	-0.61	-5.32	-0.60	4.36e-04	-2.46e-04	-2.56e-04
1469	194	0.63	5.34	-0.37	-7.91e-05	3.22e-04	2.57e-04
1469	209	3.45	-3.21	-0.54	3.09e-04	1.58e-03	-3.91e-04
1469	225	-0.70	-6.22	-0.62	4.79e-04	-2.88e-04	-3.06e-04
1469	226	0.71	6.24	-0.35	-1.22e-04	3.64e-04	3.08e-04
1470	4	0.01	0.41	-0.56	0.0	7.28e-06	-1.81e-06
1470	18	0.01	0.65	-0.47	0.0	6.48e-06	-1.11e-06
1470	28	0.01	-0.33	-0.59	0.0	7.74e-06	-2.26e-06
1470	68	7.46e-03	0.27	-0.39	0.0	5.13e-06	-1.27e-06
1470	75	7.17e-03	0.44	-0.33	0.0	4.59e-06	0.0
1470	80	7.24e-03	-0.22	-0.42	0.0	5.43e-06	-1.57e-06
1470	98	5.60e-03	0.02	-0.34	0.0	4.25e-06	-1.37e-06
1470	103	5.59e-03	0.11	-0.32	0.0	4.07e-06	-1.17e-06
1470	107	5.35e-03	0.02	-0.32	0.0	4.05e-06	-1.29e-06
1470	108	2.08	0.07	-0.31	0.0	7.30e-04	-2.20e-04
1470	129	-0.45	-3.51	-0.47	0.0	-1.52e-04	-1.87e-04
1470	130	0.46	3.56	-0.17	0.0	1.61e-04	1.85e-04
1470	140	2.33	0.08	-0.31	0.0	8.21e-04	-2.47e-04
1470	161	-0.51	-3.95	-0.49	0.0	-1.72e-04	-2.11e-04
1470	162	0.52	4.00	-0.15	0.0	1.80e-04	2.08e-04

1470	172	2.25	0.07	-0.31	0.0	7.93e-04	-2.38e-04
1470	193	-0.51	-3.92	-0.48	0.0	-1.70e-04	-2.08e-04
1470	194	0.52	3.97	-0.16	0.0	1.78e-04	2.05e-04
1470	204	2.60	0.08	-0.30	0.0	9.15e-04	-2.74e-04
1470	225	-0.58	-4.59	-0.51	0.0	-1.96e-04	-2.45e-04
1470	226	0.59	4.63	-0.13	0.0	2.04e-04	2.43e-04
1471	4	0.01	0.46	-0.73	0.0	8.32e-06	0.0
1471	18	0.01	0.74	-0.62	0.0	7.29e-06	0.0
1471	28	0.01	-0.39	-0.77	0.0	8.99e-06	-1.06e-06
1471	68	9.92e-03	0.31	-0.51	0.0	5.86e-06	0.0
1471	75	9.35e-03	0.50	-0.44	0.0	5.18e-06	0.0
1471	80	9.88e-03	-0.26	-0.54	0.0	6.31e-06	0.0
1471	98	7.67e-03	0.02	-0.44	0.0	4.94e-06	0.0
1471	103	7.56e-03	0.12	-0.41	0.0	4.71e-06	0.0
1471	107	7.32e-03	0.02	-0.42	0.0	4.72e-06	0.0
1471	108	2.37	0.08	-0.40	0.0	6.70e-04	-2.55e-04
1471	129	-0.51	-4.13	-0.59	0.0	-1.37e-04	-1.99e-04
1471	130	0.53	4.17	-0.25	0.0	1.46e-04	1.98e-04
1471	140	2.67	0.09	-0.40	0.0	7.53e-04	-2.87e-04
1471	161	-0.58	-4.65	-0.61	0.0	-1.54e-04	-2.25e-04
1471	162	0.59	4.69	-0.23	0.0	1.64e-04	2.24e-04
1471	177	2.57	-2.38	-0.50	0.0	7.30e-04	-2.82e-04
1471	193	-0.57	-4.61	-0.61	0.0	-1.52e-04	-2.27e-04
1471	194	0.59	4.66	-0.23	0.0	1.62e-04	2.26e-04
1471	209	2.97	-2.78	-0.52	0.0	8.43e-04	-3.29e-04
1471	225	-0.66	-5.40	-0.64	0.0	-1.76e-04	-2.70e-04
1471	226	0.68	5.44	-0.20	0.0	1.85e-04	2.69e-04
1472	18	0.02	0.82	-0.81	3.75e-04	5.69e-05	1.06e-06
1472	28	0.02	-0.46	-1.01	5.21e-04	6.34e-05	1.15e-06
1472	75	0.01	0.55	-0.57	2.71e-04	4.03e-05	0.0
1472	80	0.01	-0.31	-0.70	3.68e-04	4.46e-05	0.0
1472	98	0.01	0.01	-0.57	2.97e-04	3.72e-05	0.0
1472	103	9.89e-03	0.12	-0.54	2.77e-04	3.56e-05	0.0
1472	107	9.66e-03	0.01	-0.54	2.85e-04	3.54e-05	0.0
1472	113	2.65	-2.47	-0.63	4.42e-04	1.23e-03	-2.97e-04
1472	129	-0.57	-4.76	-0.74	6.39e-04	-2.18e-04	-2.22e-04
1472	130	0.59	4.79	-0.35	-6.86e-05	2.89e-04	2.23e-04
1472	145	2.98	-2.79	-0.64	4.62e-04	1.38e-03	-3.35e-04
1472	161	-0.64	-5.36	-0.76	6.83e-04	-2.50e-04	-2.51e-04
1472	162	0.66	5.39	-0.32	-1.13e-04	3.21e-04	2.52e-04
1472	177	2.87	-2.75	-0.64	4.58e-04	1.34e-03	-3.33e-04
1472	193	-0.64	-5.32	-0.76	6.78e-04	-2.47e-04	-2.56e-04
1472	194	0.65	5.34	-0.33	-1.08e-04	3.18e-04	2.57e-04
1472	209	3.32	-3.21	-0.66	4.85e-04	1.54e-03	-3.90e-04
1472	225	-0.73	-6.21	-0.80	7.43e-04	-2.90e-04	-3.07e-04
1472	226	0.75	6.24	-0.29	-1.73e-04	3.60e-04	3.08e-04
1473	18	9.21e-03	0.66	-0.46	-2.08e-04	0.0	-6.41e-06
1473	28	8.48e-03	-0.32	-0.62	1.40e-04	0.0	-2.47e-06
1473	75	6.44e-03	0.44	-0.33	-1.39e-04	0.0	-4.44e-06
1473	80	5.95e-03	-0.21	-0.44	9.36e-05	0.0	-1.81e-06
1473	98	4.51e-03	0.03	-0.35	2.50e-06	0.0	-2.71e-06
1473	103	4.63e-03	0.11	-0.32	-2.58e-05	0.0	-2.90e-06
1473	107	4.31e-03	0.02	-0.33	2.45e-06	0.0	-2.58e-06
1473	108	2.11	0.08	-0.31	-2.22e-05	0.0	-2.21e-04
1473	129	-0.49	-3.51	-0.62	1.43e-03	0.0	-1.67e-04
1473	130	0.50	3.56	-0.04	-1.42e-03	0.0	1.62e-04
1473	140	2.37	0.08	-0.31	-2.47e-05	0.0	-2.49e-04
1473	161	-0.55	-3.95	-0.66	1.61e-03	0.0	-1.88e-04
1473	162	0.56	4.00	-6.27e-03	-1.60e-03	0.0	1.83e-04
1473	172	2.28	0.08	-0.31	-2.26e-05	0.0	-2.47e-04
1473	193	-0.55	-3.92	-0.65	1.59e-03	0.0	-1.91e-04
1473	194	0.56	3.97	-9.55e-03	-1.59e-03	0.0	1.86e-04
1473	204	2.62	0.08	-0.30	-2.39e-05	0.0	-2.89e-04
1473	225	-0.64	-4.58	-0.71	1.86e-03	0.0	-2.27e-04
1473	226	0.65	4.63	0.04	-1.86e-03	0.0	2.22e-04
1474	4	0.01	0.47	-0.76	-1.07e-04	0.0	-7.04e-06
1474	18	0.01	0.75	-0.64	-1.91e-04	0.0	-7.48e-06
1474	28	0.01	-0.39	-0.83	1.50e-04	0.0	-2.79e-06
1474	68	9.33e-03	0.31	-0.54	-7.09e-05	0.0	-4.88e-06
1474	75	9.00e-03	0.50	-0.45	-1.26e-04	0.0	-5.18e-06
1474	80	9.17e-03	-0.25	-0.58	1.00e-04	0.0	-2.05e-06
1474	98	7.03e-03	0.02	-0.47	9.35e-06	0.0	-3.13e-06
1474	103	7.02e-03	0.12	-0.44	-1.82e-05	0.0	-3.35e-06
1474	107	6.72e-03	0.02	-0.45	9.01e-06	0.0	-2.98e-06
1474	108	2.34	0.09	-0.42	-1.70e-05	0.0	-2.58e-04

1474	129	-0.54	-4.13	-0.78	1.44e-03	0.0	-1.94e-04
1474	130	0.55	4.18	-0.12	-1.42e-03	0.0	1.88e-04
1474	140	2.64	0.09	-0.42	-1.98e-05	0.0	-2.90e-04
1474	161	-0.61	-4.65	-0.82	1.62e-03	0.0	-2.19e-04
1474	162	0.62	4.70	-0.08	-1.60e-03	0.0	2.13e-04
1474	172	2.53	0.09	-0.42	-1.77e-05	0.0	-2.88e-04
1474	193	-0.61	-4.61	-0.81	1.61e-03	0.0	-2.22e-04
1474	194	0.62	4.66	-0.08	-1.59e-03	0.0	2.16e-04
1474	204	2.91	0.09	-0.41	-1.92e-05	0.0	-3.37e-04
1474	225	-0.70	-5.39	-0.88	1.88e-03	0.0	-2.65e-04
1474	226	0.72	5.44	-0.02	-1.86e-03	0.0	2.59e-04
1475	18	0.02	0.83	-0.87	6.10e-04	5.35e-05	0.0
1475	28	0.02	-0.46	-1.12	8.25e-04	5.98e-05	2.12e-06
1475	75	0.01	0.55	-0.62	4.39e-04	3.79e-05	0.0
1475	80	0.01	-0.31	-0.78	5.82e-04	4.21e-05	1.50e-06
1475	98	0.01	0.02	-0.63	4.72e-04	3.50e-05	0.0
1475	103	0.01	0.12	-0.59	4.42e-04	3.35e-05	0.0
1475	107	9.79e-03	0.01	-0.60	4.53e-04	3.34e-05	0.0
1475	113	2.58	-2.47	-0.77	6.84e-04	1.20e-03	-2.87e-04
1475	129	-0.59	-4.76	-0.97	9.77e-04	-2.16e-04	-2.22e-04
1475	130	0.61	4.79	-0.24	-7.12e-05	2.83e-04	2.24e-04
1475	145	2.90	-2.78	-0.79	7.13e-04	1.35e-03	-3.23e-04
1475	161	-0.66	-5.36	-1.02	1.04e-03	-2.48e-04	-2.51e-04
1475	162	0.68	5.39	-0.19	-1.37e-04	3.14e-04	2.52e-04
1475	177	2.79	-2.75	-0.79	7.07e-04	1.30e-03	-3.19e-04
1475	193	-0.66	-5.32	-1.01	1.03e-03	-2.45e-04	-2.54e-04
1475	194	0.68	5.35	-0.19	-1.30e-04	3.12e-04	2.56e-04
1475	209	3.21	-3.21	-0.82	7.48e-04	1.50e-03	-3.73e-04
1475	225	-0.77	-6.21	-1.08	1.13e-03	-2.87e-04	-3.04e-04
1475	226	0.79	6.24	-0.13	-2.26e-04	3.54e-04	3.05e-04
1476	4	-0.01	0.05	-0.07	0.0	-2.35e-05	1.48e-05
1476	16	-7.69e-03	0.09	-0.04	0.0	-1.40e-05	9.61e-06
1476	68	-8.77e-03	0.04	-0.05	0.0	-1.63e-05	1.03e-05
1476	73	-5.47e-03	0.06	-0.03	0.0	-9.94e-06	6.81e-06
1476	98	-6.69e-03	2.69e-03	-0.04	0.0	-1.25e-05	7.62e-06
1476	102	-4.30e-03	0.01	-0.03	0.0	-7.94e-06	5.07e-06
1476	106	-4.09e-03	2.81e-03	-0.02	0.0	-7.61e-06	4.74e-06
1476	107	-6.32e-03	2.71e-03	-0.04	0.0	-7.21e-05	7.21e-06
1476	114	-0.41	0.56	-0.03	0.0	-1.03e-03	-3.08e-05
1476	124	-0.04	0.38	-0.04	0.0	-9.57e-05	4.30e-05
1476	130	-0.23	0.64	-0.04	0.0	-5.82e-04	4.49e-05
1476	146	-0.47	0.63	-0.03	0.0	-1.16e-03	-3.55e-05
1476	156	-0.04	0.43	-0.04	0.0	-1.06e-04	4.75e-05
1476	162	-0.26	0.72	-0.04	0.0	-6.54e-04	4.97e-05
1476	178	-0.46	0.62	-0.03	0.0	-1.15e-03	-3.43e-05
1476	188	-0.04	0.43	-0.04	0.0	-1.04e-04	4.73e-05
1476	194	-0.26	0.72	-0.04	0.0	-6.51e-04	4.99e-05
1476	210	-0.54	0.73	-0.03	0.0	-1.34e-03	-4.13e-05
1476	220	-0.05	0.50	-0.04	0.0	-1.19e-04	5.44e-05
1476	226	-0.31	0.85	-0.04	0.0	-7.64e-04	5.79e-05
1477	1	0.0	0.0	0.0	0.0	-1.41e-05	2.24e-06
1477	65	0.0	0.0	0.0	0.0	-1.01e-05	1.60e-06
1477	97	0.0	0.0	0.0	0.0	-8.88e-06	1.32e-06
1477	106	0.0	0.0	0.0	0.0	-8.88e-06	1.32e-06
1477	108	0.0	0.0	0.0	0.0	7.87e-04	7.14e-06
1477	140	0.0	0.0	0.0	0.0	8.88e-04	7.78e-06
1477	172	0.0	0.0	0.0	0.0	8.78e-04	7.68e-06
1477	204	0.0	0.0	0.0	0.0	1.03e-03	8.66e-06
1478	4	-0.02	0.11	-0.12	0.0	-1.59e-05	2.18e-05
1478	15	-0.01	0.18	-0.07	0.0	-8.47e-06	1.28e-05
1478	68	-0.02	0.07	-0.08	0.0	-1.10e-05	1.51e-05
1478	72	-8.62e-03	0.12	-0.05	0.0	-6.06e-06	9.15e-06
1478	98	-0.01	4.96e-03	-0.07	0.0	-8.56e-06	1.13e-05
1478	102	-7.34e-03	0.03	-0.04	0.0	-5.34e-06	7.42e-06
1478	106	-7.02e-03	5.20e-03	-0.04	0.0	-5.16e-06	6.99e-06
1478	107	-0.01	4.99e-03	-0.06	0.0	-8.08e-06	1.07e-05
1478	114	-0.83	1.13	-0.05	0.0	-1.02e-03	-9.09e-05
1478	124	-0.08	0.77	-0.08	0.0	6.19e-04	7.78e-05
1478	130	-0.47	1.29	-0.07	0.0	1.36e-04	8.09e-05
1478	146	-0.93	1.27	-0.05	0.0	-1.15e-03	-1.04e-04
1478	156	-0.09	0.87	-0.08	0.0	6.98e-04	8.64e-05
1478	162	-0.53	1.46	-0.08	0.0	1.53e-04	8.99e-05
1478	178	-0.92	1.26	-0.05	0.0	-1.13e-03	-1.02e-04
1478	188	-0.08	0.87	-0.08	0.0	6.89e-04	8.64e-05
1478	194	-0.52	1.46	-0.08	0.0	1.46e-04	9.10e-05

1478	210	-1.07	1.47	-0.05	0.0	-1.32e-03	-1.22e-04
1478	220	-0.10	1.02	-0.08	0.0	8.06e-04	1.00e-04
1478	226	-0.61	1.72	-0.08	0.0	1.65e-04	1.07e-04
1479	4	-0.03	0.16	-0.16	0.0	-6.23e-06	2.47e-05
1479	15	-0.01	0.27	-0.09	0.0	-2.91e-06	1.41e-05
1479	68	-0.02	0.11	-0.11	0.0	-4.31e-06	1.72e-05
1479	72	-0.01	0.18	-0.06	0.0	-2.09e-06	1.01e-05
1479	98	-0.01	5.71e-03	-0.09	0.0	-3.45e-06	1.30e-05
1479	102	-8.95e-03	0.04	-0.06	0.0	-2.02e-06	8.39e-06
1479	106	-8.60e-03	6.42e-03	-0.06	0.0	-2.01e-06	7.97e-06
1479	107	-0.01	5.81e-03	-0.08	0.0	-3.24e-06	1.23e-05
1479	114	-1.23	1.71	-0.07	0.0	-9.96e-04	1.42e-04
1479	124	-0.12	1.17	-0.11	0.0	6.18e-04	2.30e-05
1479	130	-0.70	1.96	-0.10	0.0	1.43e-04	1.14e-04
1479	146	-1.39	1.92	-0.07	0.0	-1.12e-03	1.59e-04
1479	156	-0.13	1.32	-0.12	0.0	6.96e-04	2.47e-05
1479	162	-0.79	2.21	-0.11	0.0	1.61e-04	1.27e-04
1479	178	-1.37	1.90	-0.07	0.0	-1.11e-03	1.58e-04
1479	188	-0.13	1.32	-0.12	0.0	6.87e-04	2.61e-05
1479	194	-0.78	2.21	-0.11	0.0	1.54e-04	1.29e-04
1479	210	-1.60	2.22	-0.07	0.0	-1.29e-03	1.83e-04
1479	220	-0.14	1.54	-0.12	0.0	8.02e-04	2.97e-05
1479	226	-0.92	2.61	-0.11	0.0	1.73e-04	1.53e-04
1480	4	-6.46e-03	0.05	-0.04	0.0	-1.31e-05	7.97e-06
1480	16	-3.73e-03	0.09	-0.02	0.0	-7.52e-06	5.25e-06
1480	68	-4.48e-03	0.04	-0.03	0.0	-9.11e-06	5.51e-06
1480	73	-2.66e-03	0.06	-0.02	0.0	-5.37e-06	3.69e-06
1480	98	-3.50e-03	2.94e-03	-0.02	0.0	-7.11e-06	3.96e-06
1480	102	-2.19e-03	0.01	-0.01	0.0	-4.44e-06	2.61e-06
1480	106	-2.13e-03	2.99e-03	-0.01	0.0	-4.31e-06	2.39e-06
1480	107	-3.30e-03	2.95e-03	-0.02	0.0	-6.71e-06	3.74e-06
1480	114	-0.40	0.56	-0.02	0.0	-9.75e-04	4.39e-05
1480	124	0.24	0.38	-0.03	0.0	6.03e-04	9.20e-06
1480	130	0.06	0.64	-0.02	0.0	1.45e-04	3.75e-05
1480	146	-0.45	0.63	-0.02	0.0	-1.10e-03	4.89e-05
1480	156	0.27	0.43	-0.03	0.0	6.79e-04	9.96e-06
1480	162	0.07	0.72	-0.02	0.0	1.63e-04	4.19e-05
1480	178	-0.44	0.62	-0.02	0.0	-1.08e-03	4.84e-05
1480	188	0.27	0.43	-0.03	0.0	6.68e-04	1.04e-05
1480	194	0.06	0.72	-0.02	0.0	1.57e-04	4.26e-05
1480	210	-0.51	0.73	-0.02	0.0	-1.26e-03	5.61e-05
1480	220	0.32	0.50	-0.03	0.0	7.80e-04	1.19e-05
1480	226	0.07	0.85	-0.03	0.0	1.78e-04	5.02e-05
1481	1	0.0	0.0	0.0	0.0	-7.25e-06	0.0
1481	65	0.0	0.0	0.0	0.0	-5.23e-06	0.0
1481	97	0.0	0.0	0.0	0.0	-4.77e-06	0.0
1481	106	0.0	0.0	0.0	0.0	-4.77e-06	0.0
1481	108	0.0	0.0	0.0	0.0	9.64e-04	-3.29e-06
1481	140	0.0	0.0	0.0	0.0	1.09e-03	-3.80e-06
1481	172	0.0	0.0	0.0	0.0	1.07e-03	-3.75e-06
1481	204	0.0	0.0	0.0	0.0	1.25e-03	-4.54e-06
1482	4	-0.01	0.11	-0.07	0.0	-9.12e-06	1.27e-05
1482	16	-6.74e-03	0.18	-0.04	0.0	-5.14e-06	8.26e-06
1482	68	-8.13e-03	0.07	-0.05	0.0	-6.32e-06	8.78e-06
1482	73	-4.81e-03	0.12	-0.03	0.0	-3.66e-06	5.81e-06
1482	98	-6.35e-03	5.13e-03	-0.04	0.0	-4.94e-06	6.33e-06
1482	102	-3.98e-03	0.03	-0.03	0.0	-3.05e-06	4.11e-06
1482	106	-3.85e-03	5.32e-03	-0.03	0.0	-2.96e-06	3.78e-06
1482	107	-5.99e-03	5.16e-03	-0.04	0.0	-4.66e-06	5.96e-06
1482	108	0.77	-0.54	-0.05	0.0	9.43e-04	-7.81e-05
1482	114	-0.79	1.13	-0.03	0.0	-9.55e-04	9.07e-05
1482	130	0.12	1.29	-0.05	0.0	1.45e-04	7.38e-05
1482	140	0.87	-0.61	-0.05	0.0	1.06e-03	-8.86e-05
1482	146	-0.88	1.27	-0.03	0.0	-1.07e-03	1.01e-04
1482	162	0.13	1.46	-0.05	0.0	1.63e-04	8.27e-05
1482	178	-0.87	1.26	-0.03	0.0	-1.06e-03	1.01e-04
1482	188	0.54	0.87	-0.05	0.0	6.59e-04	1.68e-05
1482	194	0.13	1.46	-0.05	0.0	1.57e-04	8.43e-05
1482	210	-1.02	1.47	-0.03	0.0	-1.23e-03	1.17e-04
1482	220	0.63	1.02	-0.05	0.0	7.69e-04	1.95e-05
1482	226	0.14	1.72	-0.05	0.0	1.78e-04	9.99e-05
1483	4	-0.01	0.16	-0.11	0.0	-3.08e-06	1.52e-05
1483	15	-7.74e-03	0.27	-0.06	0.0	-1.46e-06	9.02e-06
1483	68	-0.01	0.11	-0.08	0.0	-2.12e-06	1.05e-05
1483	72	-5.55e-03	0.18	-0.04	0.0	-1.04e-06	6.38e-06

1483	98	-7.96e-03	5.88e-03	-0.06	0.0	-1.65e-06	7.61e-06
1483	102	-4.96e-03	0.04	-0.04	0.0	0.0	4.89e-06
1483	106	-4.81e-03	6.53e-03	-0.04	0.0	0.0	4.52e-06
1483	107	-7.51e-03	5.97e-03	-0.06	0.0	-1.55e-06	7.17e-06
1483	108	1.15	-0.82	-0.07	0.0	9.21e-04	-1.24e-04
1483	114	-1.16	1.71	-0.05	0.0	-9.25e-04	1.39e-04
1483	130	0.17	1.96	-0.07	0.0	1.46e-04	1.07e-04
1483	140	1.29	-0.93	-0.08	0.0	1.04e-03	-1.41e-04
1483	146	-1.31	1.92	-0.05	0.0	-1.04e-03	1.55e-04
1483	162	0.20	2.21	-0.07	0.0	1.64e-04	1.20e-04
1483	172	1.27	-0.92	-0.08	0.0	1.02e-03	-1.40e-04
1483	178	-1.29	1.90	-0.05	0.0	-1.03e-03	1.55e-04
1483	194	0.19	2.21	-0.07	0.0	1.58e-04	1.23e-04
1483	210	-1.50	2.22	-0.05	0.0	-1.20e-03	1.81e-04
1483	220	0.93	1.54	-0.08	0.0	7.52e-04	2.26e-05
1483	226	0.21	2.61	-0.07	0.0	1.78e-04	1.47e-04
1484	18	-3.49e-03	0.09	-0.03	0.0	-7.09e-06	1.95e-06
1484	28	-4.06e-03	-0.05	-0.03	0.0	-8.23e-06	0.0
1484	52	-4.17e-03	4.50e-03	-0.03	0.0	-8.50e-06	0.0
1484	75	-2.45e-03	0.06	-0.02	0.0	-4.98e-06	1.29e-06
1484	80	-2.84e-03	-0.03	-0.02	0.0	-5.74e-06	0.0
1484	92	-2.91e-03	3.39e-03	-0.02	0.0	-5.92e-06	0.0
1484	98	-2.40e-03	3.33e-03	-0.02	0.0	-4.89e-06	0.0
1484	103	-2.26e-03	0.01	-0.02	0.0	-4.60e-06	0.0
1484	107	-2.27e-03	3.32e-03	-0.02	0.0	-4.63e-06	0.0
1484	113	0.37	-0.55	-0.02	0.0	9.17e-04	-4.19e-05
1484	114	-0.38	0.56	-0.01	0.0	-9.26e-04	4.26e-05
1484	130	0.06	0.64	-0.02	0.0	1.57e-04	3.31e-05
1484	145	0.42	-0.62	-0.02	0.0	1.03e-03	-4.72e-05
1484	146	-0.42	0.63	-0.01	0.0	-1.04e-03	4.79e-05
1484	162	0.07	0.72	-0.02	0.0	1.77e-04	3.74e-05
1484	177	0.41	-0.62	-0.02	0.0	1.01e-03	-4.71e-05
1484	178	-0.42	0.62	-0.01	0.0	-1.02e-03	4.78e-05
1484	194	0.07	0.73	-0.02	0.0	1.72e-04	3.83e-05
1484	209	0.48	-0.72	-0.02	0.0	1.18e-03	-5.54e-05
1484	210	-0.48	0.73	-0.01	0.0	-1.19e-03	5.61e-05
1484	226	0.08	0.85	-0.02	0.0	1.95e-04	4.59e-05
1485	1	0.0	0.0	0.0	0.0	-4.50e-06	0.0
1485	65	0.0	0.0	0.0	0.0	-3.28e-06	0.0
1485	97	0.0	0.0	0.0	0.0	-3.38e-06	0.0
1485	106	0.0	0.0	0.0	0.0	-3.38e-06	0.0
1485	108	0.0	0.0	0.0	0.0	9.24e-04	-4.30e-06
1485	140	0.0	0.0	0.0	0.0	1.04e-03	-4.86e-06
1485	172	0.0	0.0	0.0	0.0	1.02e-03	-4.84e-06
1485	204	0.0	0.0	0.0	0.0	1.19e-03	-5.70e-06
1486	16	-3.90e-03	0.18	-0.04	0.0	-2.81e-06	2.46e-06
1486	28	-7.38e-03	-0.09	-0.07	0.0	-5.41e-06	0.0
1486	52	-7.60e-03	7.09e-03	-0.07	0.0	-5.69e-06	1.25e-06
1486	73	-2.83e-03	0.12	-0.03	0.0	-2.04e-06	1.62e-06
1486	80	-5.15e-03	-0.06	-0.05	0.0	-3.77e-06	0.0
1486	92	-5.30e-03	5.40e-03	-0.05	0.0	-3.96e-06	0.0
1486	98	-4.38e-03	5.43e-03	-0.04	0.0	-3.27e-06	0.0
1486	102	-2.71e-03	0.03	-0.03	0.0	-1.98e-06	0.0
1486	106	-2.73e-03	5.52e-03	-0.03	0.0	-2.01e-06	0.0
1486	107	-4.14e-03	5.44e-03	-0.04	0.0	-3.09e-06	0.0
1486	113	0.74	-1.12	-0.05	0.0	8.98e-04	-8.64e-05
1486	114	-0.75	1.13	-0.03	0.0	-9.04e-04	8.73e-05
1486	130	0.13	1.29	-0.03	0.0	1.54e-04	6.68e-05
1486	145	0.83	-1.26	-0.05	0.0	1.01e-03	-9.74e-05
1486	146	-0.84	1.27	-0.03	0.0	-1.02e-03	9.83e-05
1486	162	0.14	1.46	-0.03	0.0	1.74e-04	7.55e-05
1486	177	0.82	-1.25	-0.05	0.0	9.91e-04	-9.72e-05
1486	178	-0.82	1.26	-0.03	0.0	-9.97e-04	9.81e-05
1486	194	0.14	1.46	-0.03	0.0	1.69e-04	7.74e-05
1486	209	0.95	-1.46	-0.05	0.0	1.16e-03	-1.14e-04
1486	210	-0.96	1.47	-0.03	0.0	-1.16e-03	1.15e-04
1486	226	0.16	1.72	-0.03	0.0	1.91e-04	9.29e-05
1487	15	-4.39e-03	0.27	-0.05	0.0	0.0	2.81e-06
1487	28	-9.11e-03	-0.14	-0.10	0.0	0.0	0.0
1487	52	-9.44e-03	7.51e-03	-0.10	0.0	-1.20e-06	1.36e-06
1487	72	-3.21e-03	0.18	-0.04	0.0	0.0	1.83e-06
1487	80	-6.36e-03	-0.10	-0.07	0.0	0.0	0.0
1487	92	-6.58e-03	5.86e-03	-0.07	0.0	0.0	0.0
1487	98	-5.43e-03	6.15e-03	-0.06	0.0	0.0	0.0
1487	102	-3.34e-03	0.04	-0.04	0.0	0.0	0.0

1487	106	-3.38e-03	6.72e-03	-0.04	0.0	0.0	0.0
1487	107	-5.14e-03	6.23e-03	-0.06	0.0	0.0	0.0
1487	113	1.09	-1.69	-0.07	0.0	8.73e-04	-1.29e-04
1487	114	-1.10	1.71	-0.04	0.0	-8.74e-04	1.30e-04
1487	130	0.19	1.96	-0.05	0.0	1.52e-04	9.76e-05
1487	145	1.23	-1.91	-0.07	0.0	9.83e-04	-1.45e-04
1487	146	-1.24	1.92	-0.04	0.0	-9.84e-04	1.46e-04
1487	162	0.21	2.21	-0.05	0.0	1.71e-04	1.10e-04
1487	177	1.21	-1.89	-0.07	0.0	9.64e-04	-1.45e-04
1487	178	-1.22	1.90	-0.04	0.0	-9.65e-04	1.46e-04
1487	194	0.20	2.21	-0.05	0.0	1.66e-04	1.13e-04
1487	209	1.41	-2.21	-0.07	0.0	1.12e-03	-1.71e-04
1487	210	-1.42	2.22	-0.04	0.0	-1.12e-03	1.72e-04
1487	226	0.23	2.61	-0.05	0.0	1.88e-04	1.36e-04
1488	18	-3.92e-03	0.09	-0.03	0.0	-7.97e-06	-2.90e-06
1488	28	-5.54e-03	-0.04	-0.04	0.0	-1.14e-05	-5.78e-06
1488	75	-2.80e-03	0.06	-0.02	0.0	-5.69e-06	-2.14e-06
1488	80	-3.88e-03	-0.03	-0.03	0.0	-7.95e-06	-4.06e-06
1488	98	-3.13e-03	3.76e-03	-0.02	0.0	-6.43e-06	-3.01e-06
1488	103	-2.88e-03	0.02	-0.02	0.0	-5.91e-06	-2.68e-06
1488	107	-2.98e-03	3.73e-03	-0.02	0.0	-6.12e-06	-2.88e-06
1488	111	-0.36	0.28	-0.02	0.0	-8.87e-04	4.45e-05
1488	130	0.07	0.64	-0.01	0.0	1.66e-04	3.03e-05
1488	133	0.23	-0.57	-0.03	0.0	5.68e-04	0.0
1488	143	-0.41	0.31	-0.02	0.0	-9.98e-04	5.05e-05
1488	162	0.08	0.72	-0.01	0.0	1.87e-04	3.46e-05
1488	165	0.26	-0.64	-0.03	0.0	6.40e-04	0.0
1488	175	-0.40	0.31	-0.02	0.0	-9.74e-04	5.05e-05
1488	194	0.07	0.73	-0.01	0.0	1.83e-04	3.59e-05
1488	197	0.25	-0.62	-0.03	0.0	6.25e-04	1.06e-06
1488	207	-0.46	0.36	-0.02	0.0	-1.13e-03	5.99e-05
1488	226	0.09	0.85	-0.01	0.0	2.10e-04	4.37e-05
1488	233	0.27	-0.74	-0.03	0.0	6.54e-04	1.10e-06
1489	1	0.0	0.0	0.0	0.0	-5.36e-06	0.0
1489	65	0.0	0.0	0.0	0.0	-3.99e-06	0.0
1489	97	0.0	0.0	0.0	0.0	-4.66e-06	0.0
1489	106	0.0	0.0	0.0	0.0	-4.66e-06	0.0
1489	108	0.0	0.0	0.0	0.0	8.82e-04	-5.55e-06
1489	140	0.0	0.0	0.0	0.0	9.94e-04	-6.19e-06
1489	172	0.0	0.0	0.0	0.0	9.69e-04	-6.19e-06
1489	204	0.0	0.0	0.0	0.0	1.13e-03	-7.19e-06
1490	18	-7.13e-03	0.18	-0.06	0.0	-5.35e-06	-5.30e-06
1490	28	-0.01	-0.09	-0.07	0.0	-7.79e-06	-1.04e-05
1490	75	-5.09e-03	0.12	-0.04	0.0	-3.82e-06	-3.90e-06
1490	80	-7.08e-03	-0.06	-0.05	0.0	-5.45e-06	-7.30e-06
1490	98	-5.72e-03	5.77e-03	-0.04	0.0	-4.45e-06	-5.44e-06
1490	103	-5.26e-03	0.03	-0.04	0.0	-4.07e-06	-4.85e-06
1490	107	-5.44e-03	5.77e-03	-0.04	0.0	-4.23e-06	-5.21e-06
1490	111	-0.72	0.55	-0.03	0.0	-8.66e-04	8.78e-05
1490	130	0.13	1.29	-0.03	0.0	1.63e-04	6.12e-05
1490	133	0.46	-1.15	-0.06	0.0	5.58e-04	1.04e-06
1490	143	-0.80	0.62	-0.03	0.0	-9.74e-04	9.95e-05
1490	162	0.15	1.46	-0.02	0.0	1.83e-04	6.99e-05
1490	165	0.52	-1.29	-0.06	0.0	6.29e-04	1.91e-06
1490	175	-0.79	0.62	-0.03	0.0	-9.50e-04	9.95e-05
1490	194	0.15	1.46	-0.02	0.0	1.79e-04	7.22e-05
1490	197	0.50	-1.26	-0.06	0.0	6.14e-04	2.15e-06
1490	207	-0.91	0.72	-0.03	0.0	-1.10e-03	1.18e-04
1490	226	0.17	1.72	-0.02	0.0	2.05e-04	8.79e-05
1490	233	0.53	-1.50	-0.06	0.0	6.43e-04	1.76e-06
1491	15	-4.67e-03	0.27	-0.06	0.0	0.0	-3.53e-06
1491	28	-0.01	-0.14	-0.11	0.0	-2.20e-06	-1.38e-05
1491	72	-3.53e-03	0.18	-0.04	0.0	0.0	-2.85e-06
1491	80	-8.86e-03	-0.10	-0.08	0.0	-1.54e-06	-9.66e-06
1491	98	-7.18e-03	6.46e-03	-0.06	0.0	-1.33e-06	-7.25e-06
1491	102	-4.48e-03	0.04	-0.04	0.0	0.0	-4.66e-06
1491	106	-4.72e-03	6.93e-03	-0.04	0.0	0.0	-5.11e-06
1491	107	-6.83e-03	6.53e-03	-0.06	0.0	-1.26e-06	-6.95e-06
1491	111	-1.06	0.83	-0.05	0.0	-8.39e-04	1.24e-04
1491	130	0.20	1.96	-0.04	0.0	1.59e-04	8.91e-05
1491	133	0.68	-1.74	-0.09	0.0	5.47e-04	1.41e-06
1491	143	-1.19	0.94	-0.05	0.0	-9.44e-04	1.40e-04
1491	162	0.22	2.21	-0.03	0.0	1.79e-04	1.02e-04
1491	165	0.76	-1.95	-0.09	0.0	6.16e-04	2.60e-06
1491	175	-1.16	0.93	-0.05	0.0	-9.21e-04	1.40e-04

1491	194	0.22	2.21	-0.03	0.0	1.75e-04	1.05e-04
1491	197	0.75	-1.91	-0.09	0.0	6.01e-04	3.01e-06
1491	207	-1.35	1.09	-0.05	0.0	-1.07e-03	1.65e-04
1491	226	0.25	2.61	-0.03	0.0	2.00e-04	1.27e-04
1491	233	0.78	-2.27	-0.09	0.0	6.30e-04	1.69e-06
1492	18	-6.76e-03	0.09	-0.04	0.0	-1.41e-05	-7.09e-06
1492	28	-0.01	-0.04	-0.05	0.0	-2.13e-05	-1.18e-05
1492	75	-4.85e-03	0.06	-0.03	0.0	-1.01e-05	-5.13e-06
1492	80	-7.15e-03	-0.03	-0.03	0.0	-1.49e-05	-8.24e-06
1492	98	-5.64e-03	4.17e-03	-0.03	0.0	-1.18e-05	-6.27e-06
1492	103	-5.16e-03	0.02	-0.02	0.0	-1.08e-05	-5.70e-06
1492	107	-5.37e-03	4.12e-03	-0.03	0.0	-1.12e-05	-5.99e-06
1492	111	-0.34	0.28	-0.02	0.0	-8.51e-04	5.91e-05
1492	130	0.07	0.64	-8.06e-03	0.0	1.71e-04	3.45e-05
1492	133	0.21	-0.56	-0.04	0.0	5.38e-04	-5.65e-05
1492	143	-0.39	0.31	-0.02	0.0	-9.56e-04	6.73e-05
1492	162	0.08	0.72	-5.86e-03	0.0	1.94e-04	3.98e-05
1492	165	0.24	-0.64	-0.05	0.0	6.07e-04	-6.29e-05
1492	175	-0.37	0.31	-0.02	0.0	-9.28e-04	6.72e-05
1492	194	0.08	0.72	-5.81e-03	0.0	1.91e-04	4.10e-05
1492	201	0.21	-0.63	-0.05	0.0	5.24e-04	-6.05e-05
1492	207	-0.43	0.36	-0.02	0.0	-1.07e-03	8.01e-05
1492	225	-0.10	-0.85	-0.05	0.0	-2.43e-04	-6.24e-05
1492	226	0.09	0.85	-2.34e-03	0.0	2.21e-04	5.04e-05
1493	1	0.0	0.0	0.0	0.0	-9.56e-06	0.0
1493	65	0.0	0.0	0.0	0.0	-7.16e-06	0.0
1493	97	0.0	0.0	0.0	0.0	-8.61e-06	0.0
1493	106	0.0	0.0	0.0	0.0	-8.61e-06	0.0
1493	108	0.0	0.0	0.0	0.0	8.29e-04	-7.92e-06
1493	140	0.0	0.0	0.0	0.0	9.35e-04	-8.76e-06
1493	172	0.0	0.0	0.0	0.0	9.06e-04	-8.75e-06
1493	204	0.0	0.0	0.0	0.0	1.05e-03	-1.01e-05
1494	18	-0.01	0.18	-0.07	0.0	-1.02e-05	-1.26e-05
1494	28	-0.02	-0.09	-0.09	0.0	-1.55e-05	-2.05e-05
1494	75	-8.91e-03	0.12	-0.05	0.0	-7.35e-06	-9.13e-06
1494	80	-0.01	-0.06	-0.06	0.0	-1.09e-05	-1.43e-05
1494	98	-0.01	6.09e-03	-0.05	0.0	-8.67e-06	-1.10e-05
1494	103	-9.49e-03	0.03	-0.05	0.0	-7.92e-06	-1.00e-05
1494	107	-9.88e-03	6.07e-03	-0.05	0.0	-8.26e-06	-1.05e-05
1494	111	-0.68	0.55	-0.04	0.0	-8.42e-04	1.05e-04
1494	130	0.14	1.29	-0.02	0.0	1.70e-04	6.30e-05
1494	133	0.43	-1.14	-0.08	0.0	5.40e-04	-9.77e-05
1494	143	-0.77	0.62	-0.04	0.0	-9.47e-04	1.20e-04
1494	162	0.16	1.46	-0.01	0.0	1.93e-04	7.26e-05
1494	165	0.49	-1.29	-0.09	0.0	6.09e-04	-1.09e-04
1494	175	-0.74	0.62	-0.04	0.0	-9.19e-04	1.20e-04
1494	194	0.15	1.46	-0.01	0.0	1.90e-04	7.53e-05
1494	201	0.42	-1.28	-0.09	0.0	5.26e-04	-1.06e-04
1494	207	-0.86	0.72	-0.03	0.0	-1.06e-03	1.42e-04
1494	225	-0.20	-1.71	-0.09	0.0	-2.35e-04	-1.14e-04
1494	226	0.18	1.72	-3.90e-03	0.0	2.19e-04	9.27e-05
1495	15	-8.38e-03	0.27	-0.06	0.0	-2.10e-06	-9.20e-06
1495	28	-0.02	-0.14	-0.13	0.0	-6.86e-06	-2.72e-05
1495	72	-6.40e-03	0.18	-0.05	0.0	-1.64e-06	-7.06e-06
1495	80	-0.02	-0.10	-0.09	0.0	-4.81e-06	-1.91e-05
1495	98	-0.01	6.76e-03	-0.08	0.0	-3.93e-06	-1.47e-05
1495	102	-8.43e-03	0.04	-0.05	0.0	-2.42e-06	-9.44e-06
1495	106	-8.94e-03	7.14e-03	-0.05	0.0	-2.61e-06	-1.00e-05
1495	107	-0.01	6.81e-03	-0.07	0.0	-3.74e-06	-1.41e-05
1495	111	-1.02	0.83	-0.06	0.0	-8.28e-04	1.29e-04
1495	130	0.21	1.96	-0.02	0.0	1.69e-04	8.45e-05
1495	133	0.65	-1.74	-0.12	0.0	5.42e-04	-4.13e-06
1495	143	-1.14	0.94	-0.05	0.0	-9.31e-04	1.47e-04
1495	162	0.23	2.21	-0.02	0.0	1.91e-04	9.75e-05
1495	165	0.73	-1.95	-0.13	0.0	6.10e-04	-2.78e-06
1495	175	-1.11	0.93	-0.05	0.0	-9.04e-04	1.46e-04
1495	194	0.23	2.21	-0.02	0.0	1.88e-04	1.01e-04
1495	201	0.63	-1.94	-0.13	0.0	5.28e-04	-1.95e-06
1495	207	-1.29	1.09	-0.05	0.0	-1.05e-03	1.74e-04
1495	225	-0.29	-2.60	-0.14	0.0	-2.23e-04	-1.52e-04
1495	226	0.26	2.61	-5.77e-03	0.0	2.15e-04	1.24e-04
1496	18	-0.01	0.09	-0.07	0.0	-2.41e-05	-1.04e-05
1496	28	-0.02	-0.04	-0.09	0.0	-3.68e-05	-1.72e-05
1496	75	-8.43e-03	0.06	-0.05	0.0	-1.73e-05	-7.48e-06
1496	80	-0.01	-0.03	-0.07	0.0	-2.58e-05	-1.21e-05

1496	98	-9.93e-03	4.42e-03	-0.05	0.0	-2.02e-05	-9.14e-06
1496	103	-9.07e-03	0.02	-0.05	0.0	-1.85e-05	-8.31e-06
1496	107	-9.47e-03	4.36e-03	-0.05	0.0	-1.93e-05	-8.73e-06
1496	111	-0.30	0.27	-0.04	0.0	-7.90e-04	9.10e-05
1496	129	-0.08	-0.63	-0.08	0.0	-2.08e-04	-7.23e-05
1496	130	0.06	0.64	-0.02	0.0	1.69e-04	5.49e-05
1496	143	-0.34	0.31	-0.04	0.0	-8.87e-04	1.04e-04
1496	161	-0.09	-0.71	-0.08	0.0	-2.31e-04	-8.04e-05
1496	162	0.07	0.72	-0.02	0.0	1.93e-04	6.29e-05
1496	175	-0.33	0.31	-0.04	0.0	-8.56e-04	1.02e-04
1496	193	-0.09	-0.72	-0.08	0.0	-2.30e-04	-8.03e-05
1496	194	0.07	0.72	-0.02	0.0	1.92e-04	6.29e-05
1496	207	-0.38	0.36	-0.04	0.0	-9.86e-04	1.22e-04
1496	225	-0.10	-0.84	-0.09	0.0	-2.62e-04	-9.35e-05
1496	226	0.08	0.85	-0.01	0.0	2.24e-04	7.61e-05
1497	1	0.0	0.0	0.0	0.0	-1.67e-05	-1.72e-06
1497	65	0.0	0.0	0.0	0.0	-1.25e-05	-1.30e-06
1497	97	0.0	0.0	0.0	0.0	-1.51e-05	-1.65e-06
1497	106	0.0	0.0	0.0	0.0	-1.51e-05	-1.65e-06
1497	108	0.0	0.0	0.0	0.0	7.28e-04	-1.16e-05
1497	140	0.0	0.0	0.0	0.0	8.21e-04	-1.28e-05
1497	172	0.0	0.0	0.0	0.0	7.91e-04	-1.27e-05
1497	204	0.0	0.0	0.0	0.0	9.18e-04	-1.45e-05
1498	18	-0.02	0.18	-0.11	0.0	-1.86e-05	-1.76e-05
1498	28	-0.03	-0.09	-0.16	0.0	-2.78e-05	-2.81e-05
1498	75	-0.02	0.12	-0.08	0.0	-1.33e-05	-1.27e-05
1498	80	-0.02	-0.06	-0.11	0.0	-1.95e-05	-1.96e-05
1498	98	-0.02	6.26e-03	-0.09	0.0	-1.54e-05	-1.50e-05
1498	103	-0.02	0.03	-0.08	0.0	-1.41e-05	-1.37e-05
1498	107	-0.02	6.24e-03	-0.09	0.0	-1.47e-05	-1.44e-05
1498	111	-0.63	0.55	-0.07	0.0	-8.33e-04	1.52e-04
1498	129	-0.17	-1.28	-0.15	0.0	-2.09e-04	-1.18e-04
1498	130	0.13	1.29	-0.02	0.0	1.79e-04	8.92e-05
1498	143	-0.70	0.62	-0.07	0.0	-9.35e-04	1.72e-04
1498	161	-0.19	-1.45	-0.15	0.0	-2.33e-04	-1.31e-04
1498	162	0.15	1.46	-0.02	0.0	2.04e-04	1.02e-04
1498	175	-0.68	0.62	-0.07	0.0	-9.03e-04	1.71e-04
1498	193	-0.19	-1.45	-0.15	0.0	-2.32e-04	-1.32e-04
1498	194	0.15	1.46	-0.02	0.0	2.02e-04	1.04e-04
1498	207	-0.78	0.72	-0.06	0.0	-1.04e-03	2.04e-04
1498	225	-0.21	-1.71	-0.17	0.0	-2.65e-04	-1.55e-04
1498	226	0.18	1.72	-4.96e-03	0.0	2.35e-04	1.26e-04
1499	15	-0.01	0.27	-0.09	0.0	-5.35e-06	-1.35e-05
1499	28	-0.04	-0.14	-0.22	0.0	-1.44e-05	-3.85e-05
1499	72	-0.01	0.18	-0.07	0.0	-4.07e-06	-1.03e-05
1499	80	-0.03	-0.09	-0.15	0.0	-1.01e-05	-2.70e-05
1499	98	-0.02	6.95e-03	-0.12	0.0	-8.25e-06	-2.09e-05
1499	102	-0.01	0.04	-0.08	0.0	-5.21e-06	-1.34e-05
1499	106	-0.02	7.27e-03	-0.08	0.0	-5.50e-06	-1.41e-05
1499	107	-0.02	7.00e-03	-0.12	0.0	-7.86e-06	-2.00e-05
1499	111	-0.97	0.83	-0.09	0.0	-8.67e-04	1.46e-04
1499	129	-0.25	-1.94	-0.21	0.0	-2.03e-04	-1.26e-04
1499	130	0.21	1.96	-0.02	0.0	1.88e-04	8.65e-05
1499	143	-1.09	0.94	-0.09	0.0	-9.74e-04	1.66e-04
1499	161	-0.28	-2.19	-0.22	0.0	-2.28e-04	-1.40e-04
1499	162	0.24	2.21	-0.01	0.0	2.12e-04	1.00e-04
1499	175	-1.05	0.93	-0.09	0.0	-9.40e-04	1.66e-04
1499	193	-0.28	-2.20	-0.22	0.0	-2.26e-04	-1.44e-04
1499	194	0.23	2.21	-0.01	0.0	2.11e-04	1.04e-04
1499	207	-1.21	1.09	-0.08	0.0	-1.08e-03	1.98e-04
1499	225	-0.32	-2.59	-0.24	0.0	-2.59e-04	-1.69e-04
1499	226	0.27	2.61	7.64e-03	0.0	2.43e-04	1.29e-04
1500	18	-0.02	0.09	-0.06	-2.55e-04	0.0	-2.39e-04
1500	28	-0.03	-0.04	-0.10	1.27e-04	0.0	8.87e-05
1500	75	-0.01	0.06	-0.04	-1.71e-04	0.0	-1.59e-04
1500	80	-0.02	-0.03	-0.07	8.39e-05	0.0	5.97e-05
1500	98	-0.02	4.93e-03	-0.05	-6.59e-06	0.0	7.27e-06
1500	103	-0.01	0.02	-0.05	-3.94e-05	0.0	-2.62e-05
1500	105	-0.02	-6.13e-03	-0.05	2.36e-05	0.0	2.42e-05
1500	107	-0.02	4.85e-03	-0.05	-6.59e-06	0.0	7.04e-06
1500	111	-0.23	0.27	-1.76e-03	-6.89e-04	0.0	2.93e-05
1500	130	0.05	0.64	0.04	-1.63e-03	0.0	-4.81e-05
1500	133	0.12	-0.56	-0.15	1.44e-03	0.0	5.53e-05
1500	143	-0.25	0.31	4.48e-03	-7.76e-04	0.0	3.20e-05
1500	162	0.06	0.72	0.05	-1.83e-03	0.0	-5.48e-05

1500	165	0.13	-0.63	-0.17	1.62e-03	0.0	6.13e-05
1500	175	-0.24	0.31	4.99e-03	-7.71e-04	0.0	3.12e-05
1500	194	0.06	0.72	0.05	-1.84e-03	0.0	-5.34e-05
1500	197	0.13	-0.62	-0.16	1.58e-03	0.0	6.04e-05
1500	207	-0.28	0.36	0.02	-9.03e-04	0.0	3.50e-05
1500	226	0.07	0.85	0.07	-2.16e-03	0.0	-6.31e-05
1500	233	0.13	-0.74	-0.18	1.88e-03	0.0	6.80e-05
1501	1	0.0	0.0	0.0	-1.57e-04	0.0	-2.47e-05
1501	65	0.0	0.0	0.0	-1.05e-04	0.0	-1.64e-05
1501	97	0.0	0.0	0.0	-8.04e-06	0.0	0.0
1501	106	0.0	0.0	0.0	-8.04e-06	0.0	0.0
1501	108	0.0	0.0	0.0	6.70e-04	0.0	-1.27e-06
1501	140	0.0	0.0	0.0	7.56e-04	0.0	-1.55e-06
1501	172	0.0	0.0	0.0	7.51e-04	0.0	-1.48e-06
1501	204	0.0	0.0	0.0	8.83e-04	0.0	-1.89e-06
1502	18	-0.03	0.18	-0.10	-2.47e-04	0.0	-4.37e-04
1502	28	-0.05	-0.09	-0.18	1.33e-04	0.0	1.54e-04
1502	75	-0.02	0.12	-0.07	-1.65e-04	0.0	-2.90e-04
1502	80	-0.04	-0.06	-0.12	8.81e-05	0.0	1.03e-04
1502	98	-0.03	6.67e-03	-0.09	-3.14e-06	0.0	9.78e-06
1502	103	-0.02	0.03	-0.09	-3.57e-05	0.0	-5.06e-05
1502	105	-0.03	-0.02	-0.09	2.70e-05	0.0	4.03e-05
1502	107	-0.03	6.63e-03	-0.09	-3.26e-06	0.0	9.49e-06
1502	111	-0.51	0.55	-8.99e-06	-6.94e-04	0.0	6.01e-05
1502	130	0.11	1.29	0.08	-1.65e-03	0.0	-8.14e-05
1502	133	0.28	-1.14	-0.28	1.47e-03	0.0	8.79e-05
1502	143	-0.57	0.62	0.01	-7.81e-04	0.0	6.64e-05
1502	162	0.13	1.46	0.10	-1.86e-03	0.0	-9.24e-05
1502	165	0.32	-1.29	-0.30	1.65e-03	0.0	9.76e-05
1502	175	-0.54	0.62	0.01	-7.76e-04	0.0	6.55e-05
1502	194	0.13	1.46	0.10	-1.86e-03	0.0	-8.92e-05
1502	197	0.30	-1.26	-0.30	1.61e-03	0.0	9.61e-05
1502	207	-0.62	0.72	0.03	-9.11e-04	0.0	7.49e-05
1502	226	0.15	1.72	0.14	-2.20e-03	0.0	-1.05e-04
1502	233	0.31	-1.49	-0.34	1.91e-03	0.0	1.07e-04
1503	16	-0.03	0.27	-0.09	-2.38e-04	0.0	-5.78e-04
1503	28	-0.07	-0.14	-0.25	1.37e-04	0.0	2.00e-04
1503	73	-0.02	0.18	-0.07	-1.59e-04	0.0	-3.84e-04
1503	80	-0.05	-0.09	-0.17	9.09e-05	0.0	1.34e-04
1503	98	-0.04	7.29e-03	-0.13	0.0	0.0	1.19e-05
1503	102	-0.02	0.04	-0.08	-3.32e-05	0.0	-6.94e-05
1503	105	-0.04	-0.03	-0.13	2.97e-05	0.0	5.19e-05
1503	106	-0.03	7.51e-03	-0.09	-1.60e-06	0.0	9.50e-06
1503	107	-0.04	7.32e-03	-0.13	0.0	0.0	1.15e-05
1503	111	-0.91	0.83	-2.33e-03	-6.97e-04	0.0	9.42e-05
1503	130	0.20	1.96	0.12	-1.67e-03	0.0	-9.61e-05
1503	133	0.53	-1.74	-0.39	1.49e-03	0.0	1.05e-04
1503	143	-1.02	0.94	0.01	-7.85e-04	0.0	1.04e-04
1503	162	0.23	2.21	0.15	-1.88e-03	0.0	-1.09e-04
1503	165	0.60	-1.95	-0.43	1.68e-03	0.0	1.17e-04
1503	175	-0.98	0.93	0.01	-7.80e-04	0.0	1.04e-04
1503	194	0.23	2.21	0.15	-1.89e-03	0.0	-1.04e-04
1503	197	0.58	-1.91	-0.42	1.64e-03	0.0	1.15e-04
1503	207	-1.12	1.09	0.04	-9.16e-04	0.0	1.19e-04
1503	226	0.28	2.61	0.20	-2.23e-03	0.0	-1.22e-04
1503	233	0.59	-2.27	-0.47	1.95e-03	0.0	1.27e-04
1504	4	-0.03	0.22	-0.20	0.0	5.19e-06	2.45e-05
1504	15	-0.01	0.37	-0.11	0.0	3.34e-06	1.34e-05
1504	68	-0.02	0.15	-0.14	0.0	3.61e-06	1.70e-05
1504	72	-0.01	0.25	-0.08	0.0	2.38e-06	9.57e-06
1504	98	-0.01	4.66e-03	-0.11	0.0	2.67e-06	1.31e-05
1504	102	-8.95e-03	0.05	-0.08	0.0	1.86e-06	8.29e-06
1504	106	-8.64e-03	6.33e-03	-0.07	0.0	1.73e-06	7.98e-06
1504	107	-0.01	4.90e-03	-0.11	0.0	2.54e-06	1.24e-05
1504	114	-1.68	2.36	-0.09	0.0	-9.49e-04	2.10e-04
1504	124	1.02	1.63	-0.15	0.0	6.03e-04	2.17e-05
1504	130	0.22	2.72	-0.14	0.0	1.48e-04	1.56e-04
1504	146	-1.89	2.66	-0.08	0.0	-1.07e-03	2.35e-04
1504	156	1.15	1.83	-0.16	0.0	6.78e-04	2.32e-05
1504	162	0.25	3.06	-0.14	0.0	1.65e-04	1.75e-04
1504	178	-1.87	2.63	-0.09	0.0	-1.06e-03	2.35e-04
1504	188	1.14	1.83	-0.16	0.0	6.69e-04	2.51e-05
1504	194	0.24	3.07	-0.14	0.0	1.59e-04	1.79e-04
1504	210	-2.18	3.08	-0.08	0.0	-1.23e-03	2.74e-04
1504	220	1.33	2.14	-0.16	0.0	7.80e-04	2.89e-05

1504	226	0.27	3.62	-0.15	0.0	1.78e-04	2.13e-04
1505	4	-0.02	0.28	-0.25	0.0	1.61e-05	2.21e-05
1505	15	-0.01	0.47	-0.14	0.0	8.97e-06	1.16e-05
1505	68	-0.01	0.18	-0.17	0.0	1.12e-05	1.54e-05
1505	72	-8.05e-03	0.31	-0.10	0.0	6.43e-06	8.33e-06
1505	98	-0.01	1.26e-03	-0.14	0.0	8.66e-06	1.21e-05
1505	102	-7.20e-03	0.07	-0.09	0.0	5.59e-06	7.61e-06
1505	106	-6.99e-03	4.46e-03	-0.09	0.0	5.38e-06	7.43e-06
1505	107	-0.01	1.72e-03	-0.13	0.0	8.19e-06	1.14e-05
1505	114	-2.09	3.02	-0.11	0.0	-8.86e-04	2.73e-04
1505	124	1.29	2.09	-0.19	0.0	5.75e-04	2.22e-05
1505	130	0.29	3.48	-0.17	0.0	1.48e-04	1.97e-04
1505	146	-2.35	3.40	-0.10	0.0	-9.99e-04	3.06e-04
1505	156	1.45	2.35	-0.20	0.0	6.47e-04	2.39e-05
1505	162	0.33	3.92	-0.18	0.0	1.64e-04	2.22e-04
1505	178	-2.33	3.37	-0.10	0.0	-9.86e-04	3.07e-04
1505	188	1.43	2.35	-0.20	0.0	6.38e-04	2.60e-05
1505	194	0.31	3.94	-0.18	0.0	1.58e-04	2.28e-04
1505	210	-2.72	3.94	-0.10	0.0	-1.15e-03	3.59e-04
1505	220	1.67	2.75	-0.21	0.0	7.42e-04	3.03e-05
1505	226	0.35	4.64	-0.19	0.0	1.77e-04	2.71e-04
1506	4	-0.01	0.22	-0.15	0.0	4.98e-06	1.58e-05
1506	15	-7.51e-03	0.37	-0.08	0.0	2.86e-06	9.08e-06
1506	68	-0.01	0.15	-0.10	0.0	3.48e-06	1.09e-05
1506	72	-5.38e-03	0.25	-0.06	0.0	2.07e-06	6.43e-06
1506	98	-7.83e-03	4.91e-03	-0.09	0.0	2.78e-06	8.00e-06
1506	102	-4.82e-03	0.05	-0.06	0.0	1.88e-06	5.09e-06
1506	106	-4.68e-03	6.50e-03	-0.06	0.0	1.84e-06	4.75e-06
1506	107	-7.38e-03	5.13e-03	-0.08	0.0	2.64e-06	7.54e-06
1506	108	1.55	-1.14	-0.10	0.0	8.91e-04	-1.79e-04
1506	114	-1.57	2.36	-0.07	0.0	-8.87e-04	1.94e-04
1506	130	0.24	2.72	-0.09	0.0	1.47e-04	1.44e-04
1506	140	1.75	-1.28	-0.10	0.0	1.00e-03	-2.03e-04
1506	146	-1.77	2.66	-0.07	0.0	-9.99e-04	2.17e-04
1506	162	0.27	3.06	-0.09	0.0	1.65e-04	1.62e-04
1506	172	1.72	-1.27	-0.10	0.0	9.88e-04	-2.02e-04
1506	178	-1.74	2.63	-0.07	0.0	-9.83e-04	2.17e-04
1506	194	0.26	3.07	-0.09	0.0	1.59e-04	1.66e-04
1506	204	2.01	-1.50	-0.11	0.0	1.15e-03	-2.39e-04
1506	210	-2.03	3.08	-0.06	0.0	-1.15e-03	2.54e-04
1506	226	0.29	3.62	-0.10	0.0	1.79e-04	1.98e-04
1507	4	-0.01	0.28	-0.19	0.0	1.30e-05	1.47e-05
1507	15	-5.13e-03	0.47	-0.10	0.0	7.06e-06	8.20e-06
1507	68	-7.03e-03	0.18	-0.13	0.0	9.08e-06	1.02e-05
1507	72	-3.66e-03	0.31	-0.07	0.0	5.10e-06	5.84e-06
1507	98	-5.46e-03	1.73e-03	-0.11	0.0	7.25e-06	7.64e-06
1507	102	-3.26e-03	0.07	-0.07	0.0	4.71e-06	4.84e-06
1507	106	-3.16e-03	4.77e-03	-0.07	0.0	4.61e-06	4.59e-06
1507	107	-5.13e-03	2.17e-03	-0.11	0.0	6.87e-06	7.21e-06
1507	108	1.95	-1.46	-0.13	0.0	8.64e-04	-2.26e-04
1507	114	-1.96	3.02	-0.09	0.0	-8.50e-04	2.40e-04
1507	130	0.31	3.48	-0.12	0.0	1.48e-04	1.75e-04
1507	140	2.19	-1.64	-0.13	0.0	9.72e-04	-2.55e-04
1507	146	-2.21	3.40	-0.09	0.0	-9.59e-04	2.69e-04
1507	162	0.34	3.92	-0.12	0.0	1.65e-04	1.97e-04
1507	172	2.16	-1.63	-0.13	0.0	9.57e-04	-2.55e-04
1507	178	-2.17	3.37	-0.09	0.0	-9.43e-04	2.69e-04
1507	194	0.33	3.94	-0.12	0.0	1.60e-04	2.03e-04
1507	204	2.52	-1.92	-0.14	0.0	1.11e-03	-3.02e-04
1507	210	-2.54	3.94	-0.08	0.0	-1.10e-03	3.15e-04
1507	226	0.37	4.64	-0.12	0.0	1.79e-04	2.42e-04
1508	15	-3.93e-03	0.37	-0.07	0.0	2.88e-06	2.84e-06
1508	28	-8.32e-03	-0.21	-0.14	0.0	5.39e-06	0.0
1508	52	-8.78e-03	5.29e-03	-0.14	0.0	5.10e-06	1.35e-06
1508	72	-2.87e-03	0.25	-0.05	0.0	2.11e-06	1.85e-06
1508	80	-5.80e-03	-0.14	-0.10	0.0	3.78e-06	0.0
1508	92	-6.11e-03	4.43e-03	-0.10	0.0	3.58e-06	0.0
1508	98	-5.04e-03	5.26e-03	-0.08	0.0	2.99e-06	0.0
1508	102	-3.04e-03	0.05	-0.06	0.0	2.02e-06	0.0
1508	106	-3.08e-03	6.74e-03	-0.06	0.0	2.00e-06	0.0
1508	107	-4.76e-03	5.47e-03	-0.08	0.0	2.85e-06	0.0
1508	113	1.48	-2.35	-0.10	0.0	8.49e-04	-1.74e-04
1508	114	-1.49	2.36	-0.06	0.0	-8.43e-04	1.75e-04
1508	130	0.25	2.72	-0.07	0.0	1.51e-04	1.30e-04
1508	145	1.66	-2.65	-0.10	0.0	9.56e-04	-1.96e-04

1508	146	-1.67	2.66	-0.06	0.0	-9.50e-04	1.97e-04
1508	162	0.29	3.06	-0.07	0.0	1.69e-04	1.47e-04
1508	177	1.63	-2.62	-0.10	0.0	9.37e-04	-1.96e-04
1508	178	-1.64	2.63	-0.06	0.0	-9.31e-04	1.97e-04
1508	194	0.28	3.07	-0.07	0.0	1.64e-04	1.51e-04
1508	209	1.90	-3.06	-0.10	0.0	1.09e-03	-2.30e-04
1508	210	-1.91	3.08	-0.06	0.0	-1.08e-03	2.31e-04
1508	226	0.32	3.62	-0.07	0.0	1.85e-04	1.81e-04
1509	15	-1.80e-03	0.47	-0.10	0.0	6.08e-06	2.57e-06
1509	28	-4.26e-03	-0.27	-0.19	0.0	1.17e-05	0.0
1509	52	-4.85e-03	-1.53e-04	-0.19	0.0	1.14e-05	1.42e-06
1509	72	-1.32e-03	0.31	-0.07	0.0	4.44e-06	1.69e-06
1509	80	-2.96e-03	-0.18	-0.13	0.0	8.21e-06	0.0
1509	92	-3.35e-03	6.98e-04	-0.13	0.0	8.01e-06	0.0
1509	98	-2.74e-03	2.32e-03	-0.11	0.0	6.66e-06	0.0
1509	102	-1.52e-03	0.07	-0.07	0.0	4.37e-06	0.0
1509	106	-1.57e-03	5.17e-03	-0.07	0.0	4.36e-06	0.0
1509	107	-2.58e-03	2.73e-03	-0.10	0.0	6.33e-06	0.0
1509	113	1.85	-3.01	-0.13	0.0	8.33e-04	-2.13e-04
1509	114	-1.86	3.02	-0.08	0.0	-8.21e-04	2.14e-04
1509	130	0.32	3.48	-0.09	0.0	1.51e-04	1.58e-04
1509	145	2.09	-3.40	-0.13	0.0	9.37e-04	-2.40e-04
1509	146	-2.09	3.40	-0.08	0.0	-9.25e-04	2.42e-04
1509	162	0.36	3.92	-0.09	0.0	1.69e-04	1.79e-04
1509	177	2.05	-3.36	-0.13	0.0	9.19e-04	-2.40e-04
1509	178	-2.05	3.37	-0.08	0.0	-9.06e-04	2.41e-04
1509	194	0.35	3.94	-0.09	0.0	1.64e-04	1.84e-04
1509	209	2.38	-3.93	-0.13	0.0	1.07e-03	-2.82e-04
1509	210	-2.39	3.94	-0.07	0.0	-1.06e-03	2.83e-04
1509	226	0.40	4.64	-0.09	0.0	1.85e-04	2.20e-04
1510	15	-4.24e-03	0.37	-0.08	0.0	2.92e-06	-4.18e-06
1510	28	-0.01	-0.21	-0.15	0.0	5.56e-06	-1.53e-05
1510	72	-3.23e-03	0.25	-0.06	0.0	2.14e-06	-3.33e-06
1510	80	-8.52e-03	-0.14	-0.11	0.0	3.90e-06	-1.08e-05
1510	98	-6.96e-03	5.65e-03	-0.09	0.0	3.02e-06	-8.17e-06
1510	102	-4.29e-03	0.06	-0.06	0.0	2.07e-06	-5.26e-06
1510	106	-4.55e-03	7.01e-03	-0.06	0.0	2.05e-06	-5.74e-06
1510	107	-6.62e-03	5.85e-03	-0.08	0.0	2.88e-06	-7.83e-06
1510	111	-1.43	1.15	-0.07	0.0	-8.13e-04	1.60e-04
1510	130	0.27	2.72	-0.05	0.0	1.57e-04	1.19e-04
1510	133	0.92	-2.42	-0.12	0.0	5.39e-04	3.09e-06
1510	143	-1.60	1.29	-0.07	0.0	-9.15e-04	1.81e-04
1510	162	0.30	3.06	-0.05	0.0	1.76e-04	1.36e-04
1510	165	1.04	-2.72	-0.12	0.0	6.06e-04	4.65e-06
1510	175	-1.56	1.28	-0.07	0.0	-8.93e-04	1.80e-04
1510	194	0.30	3.07	-0.05	0.0	1.72e-04	1.39e-04
1510	197	1.01	-2.66	-0.12	0.0	5.92e-04	5.31e-06
1510	207	-1.82	1.51	-0.07	0.0	-1.04e-03	2.12e-04
1510	226	0.34	3.62	-0.04	0.0	1.95e-04	1.68e-04
1510	233	1.06	-3.16	-0.13	0.0	6.20e-04	2.77e-06
1511	15	-2.07e-03	0.47	-0.10	0.0	6.36e-06	-4.09e-06
1511	28	-7.67e-03	-0.27	-0.20	0.0	1.35e-05	-1.42e-05
1511	72	-1.63e-03	0.31	-0.07	0.0	4.70e-06	-3.24e-06
1511	80	-5.37e-03	-0.18	-0.14	0.0	9.43e-06	-9.96e-06
1511	98	-4.48e-03	2.97e-03	-0.12	0.0	7.46e-06	-7.68e-06
1511	102	-2.63e-03	0.07	-0.08	0.0	4.94e-06	-4.94e-06
1511	106	-2.88e-03	5.60e-03	-0.08	0.0	5.01e-06	-5.37e-06
1511	107	-4.25e-03	3.34e-03	-0.11	0.0	7.11e-06	-7.35e-06
1511	111	-1.78	1.46	-0.09	0.0	-7.94e-04	1.94e-04
1511	130	0.34	3.48	-0.07	0.0	1.57e-04	1.47e-04
1511	133	1.16	-3.10	-0.16	0.0	5.36e-04	6.79e-06
1511	143	-2.01	1.65	-0.09	0.0	-8.95e-04	2.19e-04
1511	162	0.38	3.92	-0.07	0.0	1.75e-04	1.67e-04
1511	165	1.31	-3.49	-0.16	0.0	6.02e-04	8.82e-06
1511	175	-1.96	1.64	-0.09	0.0	-8.73e-04	2.17e-04
1511	194	0.37	3.94	-0.07	0.0	1.71e-04	1.70e-04
1511	197	1.28	-3.42	-0.16	0.0	5.88e-04	9.78e-06
1511	207	-2.28	1.92	-0.09	0.0	-1.01e-03	2.55e-04
1511	226	0.42	4.64	-0.06	0.0	1.94e-04	2.05e-04
1511	233	1.34	-4.05	-0.17	0.0	6.16e-04	6.26e-06
1512	15	-8.54e-03	0.37	-0.09	0.0	2.52e-06	-1.08e-05
1512	28	-0.02	-0.21	-0.18	0.0	5.06e-06	-3.05e-05
1512	72	-6.54e-03	0.25	-0.06	0.0	1.85e-06	-8.25e-06
1512	80	-0.02	-0.14	-0.13	0.0	3.54e-06	-2.13e-05
1512	98	-0.01	6.04e-03	-0.10	0.0	2.63e-06	-1.67e-05

1512	102	-8.75e-03	0.06	-0.07	0.0	1.82e-06	-1.07e-05
1512	106	-9.30e-03	7.27e-03	-0.07	0.0	1.81e-06	-1.13e-05
1512	107	-0.01	6.22e-03	-0.10	0.0	2.51e-06	-1.59e-05
1512	111	-1.39	1.15	-0.08	0.0	-8.07e-04	1.49e-04
1512	130	0.28	2.72	-0.03	0.0	1.68e-04	1.14e-04
1512	133	0.89	-2.41	-0.17	0.0	5.43e-04	-4.40e-06
1512	143	-1.56	1.29	-0.07	0.0	-9.09e-04	1.70e-04
1512	162	0.32	3.06	-0.02	0.0	1.88e-04	1.31e-04
1512	165	1.00	-2.72	-0.18	0.0	6.11e-04	-2.82e-06
1512	175	-1.51	1.28	-0.07	0.0	-8.82e-04	1.67e-04
1512	194	0.31	3.07	-0.02	0.0	1.85e-04	1.33e-04
1512	201	0.87	-2.70	-0.18	0.0	5.30e-04	-4.45e-06
1512	207	-1.75	1.51	-0.07	0.0	-1.02e-03	1.98e-04
1512	225	-0.39	-3.61	-0.19	0.0	-2.06e-04	-1.93e-04
1512	226	0.36	3.62	-9.09e-03	0.0	2.11e-04	1.62e-04
1513	15	-6.27e-03	0.47	-0.11	0.0	7.61e-06	-1.07e-05
1513	28	-0.02	-0.27	-0.24	0.0	1.76e-05	-2.86e-05
1513	72	-4.85e-03	0.31	-0.08	0.0	5.68e-06	-8.11e-06
1513	80	-0.01	-0.18	-0.17	0.0	1.24e-05	-2.00e-05
1513	98	-0.01	3.62e-03	-0.14	0.0	9.61e-06	-1.59e-05
1513	102	-6.88e-03	0.07	-0.09	0.0	6.35e-06	-1.02e-05
1513	106	-7.39e-03	6.05e-03	-0.09	0.0	6.51e-06	-1.07e-05
1513	107	-0.01	3.97e-03	-0.13	0.0	9.17e-06	-1.51e-05
1513	111	-1.75	1.46	-0.10	0.0	-7.82e-04	1.77e-04
1513	130	0.36	3.48	-0.04	0.0	1.65e-04	1.45e-04
1513	133	1.14	-3.10	-0.22	0.0	5.42e-04	3.19e-06
1513	143	-1.96	1.65	-0.10	0.0	-8.81e-04	2.01e-04
1513	162	0.40	3.92	-0.03	0.0	1.85e-04	1.65e-04
1513	165	1.28	-3.49	-0.23	0.0	6.08e-04	5.64e-06
1513	175	-1.91	1.64	-0.10	0.0	-8.55e-04	1.96e-04
1513	194	0.40	3.94	-0.03	0.0	1.82e-04	1.66e-04
1513	201	1.11	-3.47	-0.23	0.0	5.30e-04	2.72e-06
1513	207	-2.21	1.92	-0.09	0.0	-9.92e-04	2.30e-04
1513	225	-0.48	-4.63	-0.24	0.0	-1.88e-04	-2.30e-04
1513	226	0.45	4.64	-0.02	0.0	2.06e-04	2.00e-04
1514	15	-0.02	0.37	-0.12	0.0	1.35e-06	-1.60e-05
1514	28	-0.05	-0.20	-0.28	0.0	3.80e-06	-4.29e-05
1514	72	-0.01	0.25	-0.09	0.0	1.02e-06	-1.21e-05
1514	80	-0.03	-0.14	-0.20	0.0	2.65e-06	-3.01e-05
1514	98	-0.03	6.35e-03	-0.16	0.0	1.68e-06	-2.36e-05
1514	102	-0.02	0.06	-0.10	0.0	1.16e-06	-1.52e-05
1514	106	-0.02	7.48e-03	-0.11	0.0	1.19e-06	-1.59e-05
1514	107	-0.02	6.51e-03	-0.15	0.0	1.61e-06	-2.25e-05
1514	111	-1.38	1.15	-0.11	0.0	-8.56e-04	1.44e-04
1514	125	-0.25	-2.69	-0.28	0.0	-1.24e-04	-1.63e-04
1514	130	0.29	2.72	-0.02	0.0	1.88e-04	1.16e-04
1514	143	-1.55	1.29	-0.10	0.0	-9.63e-04	1.65e-04
1514	161	-0.38	-3.05	-0.30	0.0	-2.08e-04	-1.79e-04
1514	162	0.33	3.06	-2.42e-03	0.0	2.11e-04	1.34e-04
1514	175	-1.49	1.28	-0.10	0.0	-9.29e-04	1.60e-04
1514	193	-0.38	-3.06	-0.30	0.0	-2.06e-04	-1.80e-04
1514	194	0.33	3.07	-2.28e-03	0.0	2.09e-04	1.35e-04
1514	207	-1.72	1.51	-0.10	0.0	-1.07e-03	1.89e-04
1514	225	-0.44	-3.61	-0.32	0.0	-2.37e-04	-2.09e-04
1514	226	0.39	3.62	0.02	0.0	2.40e-04	1.64e-04
1515	15	-0.01	0.47	-0.15	0.0	9.03e-06	-1.54e-05
1515	28	-0.04	-0.27	-0.34	0.0	2.31e-05	-3.90e-05
1515	72	-0.01	0.31	-0.11	0.0	6.80e-06	-1.16e-05
1515	80	-0.03	-0.18	-0.24	0.0	1.62e-05	-2.73e-05
1515	98	-0.02	4.20e-03	-0.19	0.0	1.24e-05	-2.18e-05
1515	102	-0.01	0.07	-0.13	0.0	8.08e-06	-1.40e-05
1515	106	-0.01	6.45e-03	-0.13	0.0	8.39e-06	-1.46e-05
1515	107	-0.02	4.52e-03	-0.18	0.0	1.18e-05	-2.08e-05
1515	111	-1.76	1.46	-0.13	0.0	-7.90e-04	-2.85e-04
1515	125	-0.30	-3.45	-0.35	0.0	-9.69e-05	-6.58e-05
1515	130	0.38	3.48	-0.02	0.0	1.77e-04	1.60e-04
1515	143	-1.97	1.65	-0.12	0.0	-8.91e-04	-3.18e-04
1515	157	-0.33	-3.89	-0.37	0.0	-1.10e-04	-7.15e-05
1515	162	0.43	3.92	2.60e-03	0.0	1.98e-04	1.83e-04
1515	175	-1.90	1.64	-0.12	0.0	-8.60e-04	-3.04e-04
1515	193	-0.47	-3.93	-0.37	0.0	-1.72e-04	-2.19e-04
1515	194	0.43	3.94	2.85e-03	0.0	1.96e-04	1.78e-04
1515	207	-2.20	1.92	-0.11	0.0	-9.95e-04	-3.47e-04
1515	225	-0.53	-4.63	-0.40	0.0	-1.99e-04	-2.54e-04
1515	226	0.49	4.64	0.04	0.0	2.23e-04	2.12e-04

1516	15	-0.03	0.37	-0.11	-2.24e-04	0.0	-6.43e-04
1516	28	-0.07	-0.20	-0.32	1.40e-04	0.0	2.23e-04
1516	72	-0.02	0.25	-0.08	-1.50e-04	0.0	-4.27e-04
1516	80	-0.05	-0.14	-0.23	9.32e-05	0.0	1.50e-04
1516	98	-0.04	6.71e-03	-0.17	3.15e-06	0.0	1.35e-05
1516	102	-0.03	0.06	-0.11	-2.91e-05	0.0	-7.68e-05
1516	106	-0.03	7.73e-03	-0.12	1.04e-06	0.0	1.09e-05
1516	107	-0.04	6.85e-03	-0.17	2.84e-06	0.0	1.32e-05
1516	111	-1.39	1.15	-0.02	-6.99e-04	0.0	1.37e-04
1516	130	0.31	2.72	0.15	-1.69e-03	0.0	-9.34e-05
1516	133	0.86	-2.41	-0.51	1.52e-03	0.0	1.09e-04
1516	143	-1.56	1.29	2.85e-03	-7.88e-04	0.0	1.53e-04
1516	162	0.35	3.06	0.19	-1.90e-03	0.0	-1.06e-04
1516	165	0.97	-2.71	-0.55	1.70e-03	0.0	1.21e-04
1516	175	-1.50	1.28	4.55e-03	-7.82e-04	0.0	1.52e-04
1516	194	0.36	3.07	0.19	-1.91e-03	0.0	-1.00e-04
1516	197	0.93	-2.66	-0.54	1.67e-03	0.0	1.20e-04
1516	207	-1.72	1.51	0.04	-9.19e-04	0.0	1.75e-04
1516	226	0.42	3.62	0.25	-2.25e-03	0.0	-1.16e-04
1516	233	0.95	-3.15	-0.61	1.98e-03	0.0	1.31e-04
1517	15	-0.02	0.47	-0.14	-2.10e-04	0.0	-6.03e-04
1517	28	-0.06	-0.27	-0.41	1.43e-04	0.0	2.13e-04
1517	72	-0.02	0.32	-0.11	-1.40e-04	0.0	-4.01e-04
1517	80	-0.04	-0.18	-0.29	9.56e-05	0.0	1.43e-04
1517	98	-0.04	4.75e-03	-0.22	6.69e-06	0.0	1.46e-05
1517	102	-0.02	0.07	-0.15	-2.48e-05	0.0	-7.07e-05
1517	106	-0.02	6.83e-03	-0.15	3.92e-06	0.0	1.18e-05
1517	107	-0.03	5.05e-03	-0.21	6.30e-06	0.0	1.42e-05
1517	111	-1.85	1.46	-0.05	-6.98e-04	0.0	1.86e-04
1517	130	0.41	3.48	0.16	-1.70e-03	0.0	-7.15e-05
1517	133	1.19	-3.10	-0.62	1.53e-03	0.0	9.82e-05
1517	143	-2.07	1.65	-0.03	-7.87e-04	0.0	2.07e-04
1517	162	0.47	3.92	0.21	-1.92e-03	0.0	-8.15e-05
1517	165	1.34	-3.49	-0.67	1.73e-03	0.0	1.09e-04
1517	175	-1.99	1.64	-0.02	-7.81e-04	0.0	2.06e-04
1517	194	0.47	3.94	0.21	-1.93e-03	0.0	-7.50e-05
1517	201	1.13	-3.47	-0.66	1.71e-03	0.0	1.03e-04
1517	207	-2.29	1.92	0.01	-9.18e-04	0.0	2.39e-04
1517	226	0.55	4.64	0.29	-2.27e-03	0.0	-8.66e-05
1517	233	1.31	-4.05	-0.73	2.00e-03	0.0	1.17e-04
1518	4	-0.01	0.32	-0.31	0.0	2.59e-05	2.06e-05
1518	19	-4.31e-03	0.56	-0.12	0.0	9.88e-06	7.35e-06
1518	68	-8.47e-03	0.22	-0.21	0.0	1.80e-05	1.44e-05
1518	72	-4.38e-03	0.37	-0.12	0.0	9.95e-06	7.70e-06
1518	98	-6.64e-03	-4.84e-03	-0.17	0.0	1.42e-05	1.17e-05
1518	105	-6.05e-03	-0.08	-0.16	0.0	1.32e-05	1.11e-05
1518	107	-6.24e-03	-4.07e-03	-0.16	0.0	1.34e-05	1.11e-05
1518	114	-2.46	3.66	-0.13	0.0	-8.24e-04	2.90e-04
1518	124	1.53	2.53	-0.24	0.0	5.46e-04	2.36e-05
1518	129	-0.37	-4.23	-0.11	0.0	-1.19e-04	-1.89e-04
1518	146	-2.77	4.12	-0.13	0.0	-9.30e-04	3.26e-04
1518	156	1.72	2.85	-0.25	0.0	6.13e-04	2.57e-05
1518	161	-0.41	-4.77	-0.11	0.0	-1.35e-04	-2.16e-04
1518	178	-2.74	4.08	-0.13	0.0	-9.18e-04	3.26e-04
1518	188	1.70	2.85	-0.24	0.0	6.05e-04	2.77e-05
1518	193	-0.39	-4.78	-0.11	0.0	-1.22e-04	-2.22e-04
1518	210	-3.20	4.77	-0.12	0.0	-1.07e-03	3.82e-04
1518	220	1.98	3.33	-0.26	0.0	7.03e-04	3.25e-05
1518	225	-0.44	-5.64	-0.10	0.0	-1.46e-04	-2.69e-04
1519	4	1.89e-03	0.37	-0.39	0.0	3.37e-05	1.60e-05
1519	44	2.52e-03	-0.67	-0.32	0.0	2.67e-05	1.50e-05
1519	68	1.36e-03	0.24	-0.28	0.0	2.34e-05	1.12e-05
1519	88	1.79e-03	-0.45	-0.23	0.0	1.88e-05	1.06e-05
1519	98	1.17e-03	-0.01	-0.22	0.0	1.87e-05	9.33e-06
1519	105	1.25e-03	-0.10	-0.21	0.0	1.75e-05	9.01e-06
1519	107	1.14e-03	-0.01	-0.21	0.0	1.77e-05	8.86e-06
1519	113	2.80	-4.32	-0.25	0.0	8.13e-04	-2.73e-04
1519	124	1.76	2.98	-0.30	0.0	5.24e-04	2.42e-05
1519	129	-0.42	-4.99	-0.15	0.0	-1.08e-04	-1.98e-04
1519	145	3.16	-4.86	-0.26	0.0	9.14e-04	-3.09e-04
1519	156	1.98	3.35	-0.31	0.0	5.87e-04	2.66e-05
1519	161	-0.47	-5.62	-0.14	0.0	-1.23e-04	-2.25e-04
1519	177	3.12	-4.81	-0.25	0.0	9.02e-04	-3.08e-04
1519	188	1.95	3.35	-0.31	0.0	5.79e-04	2.86e-05
1519	193	-0.45	-5.64	-0.14	0.0	-1.18e-04	-2.31e-04

1519	209	3.64	-5.62	-0.26	0.0	1.05e-03	-3.64e-04
1519	220	2.28	3.92	-0.32	0.0	6.72e-04	3.40e-05
1519	225	-0.50	-6.65	-0.13	0.0	-1.34e-04	-2.79e-04
1520	4	0.02	0.41	-0.51	-1.12e-04	7.95e-05	-5.46e-06
1520	44	0.02	-0.79	-0.42	-6.29e-05	5.93e-05	-2.98e-06
1520	68	0.01	0.27	-0.35	-7.71e-05	5.57e-05	-3.76e-06
1520	88	0.01	-0.53	-0.29	-4.44e-05	4.23e-05	-2.11e-06
1520	98	0.01	-0.03	-0.29	-5.54e-05	4.28e-05	-2.95e-06
1520	105	0.01	-0.12	-0.27	-4.93e-05	4.02e-05	-2.56e-06
1520	107	0.01	-0.02	-0.27	-5.21e-05	4.08e-05	-2.76e-06
1520	113	3.15	-4.98	-0.32	-9.87e-05	1.31e-03	-3.01e-04
1520	124	1.98	3.42	-0.37	-1.86e-04	8.52e-04	1.56e-05
1520	129	-0.46	-5.75	-0.21	4.66e-05	-1.88e-04	-2.25e-04
1520	145	3.54	-5.61	-0.32	-1.05e-04	1.47e-03	-3.39e-04
1520	156	2.23	3.85	-0.38	-2.02e-04	9.54e-04	1.84e-05
1520	161	-0.52	-6.48	-0.20	5.91e-05	-2.17e-04	-2.54e-04
1520	177	3.50	-5.55	-0.32	-1.00e-04	1.44e-03	-3.38e-04
1520	188	2.20	3.84	-0.38	-1.99e-04	9.30e-04	2.02e-05
1520	193	-0.49	-6.50	-0.20	5.95e-05	-2.11e-04	-2.59e-04
1520	209	4.09	-6.49	-0.33	-1.06e-04	1.66e-03	-3.95e-04
1520	220	2.56	4.51	-0.40	-2.22e-04	1.07e-03	2.64e-05
1520	225	-0.56	-7.66	-0.19	7.83e-05	-2.46e-04	-3.09e-04
1521	4	-2.51e-03	0.33	-0.25	0.0	1.93e-05	1.25e-05
1521	19	-7.19e-04	0.56	-0.09	0.0	7.25e-06	5.01e-06
1521	68	-1.68e-03	0.22	-0.17	0.0	1.35e-05	8.71e-06
1521	72	-6.84e-04	0.37	-0.10	0.0	7.42e-06	4.93e-06
1521	98	-1.19e-03	-3.94e-03	-0.14	0.0	1.08e-05	6.76e-06
1521	105	-8.85e-04	-0.08	-0.14	0.0	1.02e-05	6.36e-06
1521	107	-1.09e-03	-3.22e-03	-0.14	0.0	1.02e-05	6.39e-06
1521	108	2.31	-1.77	-0.17	0.0	8.42e-04	-2.56e-04
1521	114	-2.32	3.66	-0.11	0.0	-8.21e-04	2.68e-04
1521	129	-0.37	-4.23	-0.12	0.0	-1.28e-04	-1.83e-04
1521	140	2.61	-1.99	-0.17	0.0	9.47e-04	-2.89e-04
1521	146	-2.61	4.12	-0.11	0.0	-9.26e-04	3.02e-04
1521	161	-0.42	-4.77	-0.12	0.0	-1.45e-04	-2.08e-04
1521	172	2.57	-1.98	-0.17	0.0	9.31e-04	-2.89e-04
1521	178	-2.57	4.08	-0.11	0.0	-9.10e-04	3.02e-04
1521	193	-0.40	-4.78	-0.12	0.0	-2.14e-04	-2.14e-04
1521	204	2.99	-2.33	-0.17	0.0	1.08e-03	-3.41e-04
1521	210	-3.00	4.77	-0.11	0.0	-1.06e-03	3.53e-04
1521	225	-0.45	-5.64	-0.11	0.0	-1.59e-04	-2.59e-04
1522	4	7.55e-03	0.37	-0.33	0.0	2.31e-05	8.19e-06
1522	28	8.24e-03	-0.41	-0.32	0.0	2.22e-05	8.31e-06
1522	44	7.87e-03	-0.67	-0.28	0.0	1.89e-05	7.52e-06
1522	68	5.32e-03	0.25	-0.23	0.0	1.61e-05	5.73e-06
1522	80	5.78e-03	-0.28	-0.23	0.0	1.55e-05	5.81e-06
1522	88	5.54e-03	-0.45	-0.20	0.0	1.33e-05	5.28e-06
1522	98	4.43e-03	-0.01	-0.19	0.0	1.29e-05	4.60e-06
1522	105	4.40e-03	-0.10	-0.18	0.0	1.21e-05	4.46e-06
1522	107	4.23e-03	-0.01	-0.18	0.0	1.22e-05	4.38e-06
1522	108	2.67	-2.09	-0.21	0.0	8.24e-04	-2.77e-04
1522	113	2.68	-4.32	-0.20	0.0	8.24e-04	-2.76e-04
1522	129	-0.43	-4.99	-0.16	0.0	-1.24e-04	-2.02e-04
1522	140	3.01	-2.35	-0.22	0.0	9.26e-04	-3.12e-04
1522	145	3.01	-4.86	-0.21	0.0	9.26e-04	-3.12e-04
1522	161	-0.48	-5.62	-0.16	0.0	-1.40e-04	-2.29e-04
1522	172	2.96	-2.33	-0.22	0.0	9.11e-04	-3.12e-04
1522	177	2.97	-4.81	-0.21	0.0	9.10e-04	-3.11e-04
1522	193	-0.46	-5.64	-0.16	0.0	-1.35e-04	-2.34e-04
1522	204	3.46	-2.74	-0.22	0.0	1.06e-03	-3.67e-04
1522	209	3.46	-5.62	-0.21	0.0	1.06e-03	-3.66e-04
1522	225	-0.52	-6.65	-0.16	0.0	-1.54e-04	-2.82e-04
1523	4	0.02	0.41	-0.46	-4.10e-05	8.83e-05	0.0
1523	28	0.02	-0.49	-0.46	-1.21e-05	6.83e-05	0.0
1523	44	0.02	-0.79	-0.40	3.41e-06	5.49e-05	1.28e-06
1523	68	0.01	0.27	-0.33	-2.72e-05	6.16e-05	0.0
1523	80	0.01	-0.33	-0.32	-7.94e-06	4.83e-05	0.0
1523	88	0.01	-0.53	-0.28	2.42e-06	3.94e-05	0.0
1523	98	0.01	-0.02	-0.27	-1.25e-05	4.38e-05	0.0
1523	105	0.01	-0.12	-0.26	-8.03e-06	4.04e-05	0.0
1523	107	0.01	-0.02	-0.26	-1.12e-05	4.18e-05	0.0
1523	108	3.02	-2.41	-0.30	-9.62e-05	1.30e-03	-2.98e-04
1523	113	3.03	-4.98	-0.28	-3.92e-05	1.30e-03	-2.97e-04
1523	129	-0.48	-5.75	-0.23	8.90e-05	-2.00e-04	-2.21e-04
1523	140	3.40	-2.71	-0.30	-1.07e-04	1.46e-03	-3.35e-04

1523	145	3.41	-5.60	-0.29	-4.26e-05	1.46e-03	-3.34e-04
1523	161	-0.54	-6.48	-0.23	1.02e-04	-2.30e-04	-2.50e-04
1523	172	3.35	-2.69	-0.30	-1.02e-04	1.42e-03	-3.34e-04
1523	177	3.35	-5.54	-0.29	-3.94e-05	1.42e-03	-3.32e-04
1523	193	-0.52	-6.50	-0.23	1.01e-04	-2.25e-04	-2.55e-04
1523	204	3.91	-3.16	-0.30	-1.16e-04	1.64e-03	-3.91e-04
1523	209	3.91	-6.48	-0.29	-4.25e-05	1.64e-03	-3.90e-04
1523	225	-0.59	-7.66	-0.23	1.20e-04	-2.62e-04	-3.05e-04
1524	19	1.31e-03	0.56	-0.08	0.0	5.84e-06	2.01e-06
1524	28	2.40e-03	-0.34	-0.24	0.0	1.66e-05	1.12e-06
1524	44	2.79e-03	-0.56	-0.21	0.0	1.47e-05	0.0
1524	72	1.19e-03	0.38	-0.09	0.0	6.21e-06	1.48e-06
1524	80	1.71e-03	-0.23	-0.17	0.0	1.16e-05	0.0
1524	88	1.97e-03	-0.37	-0.15	0.0	1.03e-05	0.0
1524	98	1.05e-03	-2.89e-03	-0.14	0.0	9.45e-06	0.0
1524	102	9.59e-04	0.08	-0.09	0.0	6.15e-06	0.0
1524	105	1.20e-03	-0.08	-0.13	0.0	9.05e-06	0.0
1524	107	1.03e-03	-2.22e-03	-0.13	0.0	8.97e-06	0.0
1524	113	2.21	-3.66	-0.16	0.0	8.24e-04	-2.45e-04
1524	129	-0.39	-4.23	-0.15	0.0	-1.34e-04	-1.81e-04
1524	145	2.49	-4.12	-0.16	0.0	9.27e-04	-2.76e-04
1524	161	-0.43	-4.77	-0.15	0.0	-1.52e-04	-2.04e-04
1524	177	2.44	-4.08	-0.16	0.0	9.08e-04	-2.75e-04
1524	193	-0.42	-4.78	-0.15	0.0	-1.47e-04	-2.09e-04
1524	209	2.84	-4.77	-0.17	0.0	1.05e-03	-3.23e-04
1524	225	-0.48	-5.63	-0.15	0.0	-1.67e-04	-2.51e-04
1525	28	0.01	-0.41	-0.32	0.0	1.95e-05	1.82e-06
1525	44	0.01	-0.67	-0.28	0.0	1.72e-05	1.69e-06
1525	80	7.58e-03	-0.27	-0.22	0.0	1.37e-05	1.27e-06
1525	88	7.18e-03	-0.44	-0.20	0.0	1.21e-05	1.19e-06
1525	98	5.85e-03	-0.01	-0.19	0.0	1.11e-05	0.0
1525	105	5.78e-03	-0.10	-0.18	0.0	1.07e-05	0.0
1525	107	5.59e-03	-0.01	-0.18	0.0	1.06e-05	0.0
1525	113	2.56	-4.31	-0.21	0.0	8.19e-04	-2.72e-04
1525	129	-0.44	-4.99	-0.19	0.0	-1.32e-04	-2.02e-04
1525	145	2.89	-4.86	-0.21	0.0	9.21e-04	-3.07e-04
1525	161	-0.50	-5.62	-0.20	0.0	-1.49e-04	-2.28e-04
1525	177	2.83	-4.81	-0.21	0.0	9.02e-04	-3.06e-04
1525	193	-0.48	-5.64	-0.20	0.0	-1.44e-04	-2.33e-04
1525	209	3.29	-5.62	-0.22	0.0	1.05e-03	-3.59e-04
1525	225	-0.55	-6.64	-0.20	0.0	-1.65e-04	-2.80e-04
1526	28	0.02	-0.49	-0.47	6.59e-05	6.27e-05	2.39e-06
1526	44	0.02	-0.78	-0.41	7.41e-05	4.61e-05	2.81e-06
1526	80	0.01	-0.33	-0.33	4.70e-05	4.45e-05	1.71e-06
1526	88	0.01	-0.52	-0.29	5.24e-05	3.34e-05	1.99e-06
1526	98	0.01	-0.02	-0.27	3.24e-05	4.34e-05	1.10e-06
1526	105	0.01	-0.12	-0.26	3.54e-05	3.89e-05	1.25e-06
1526	107	0.01	-0.02	-0.26	3.17e-05	4.14e-05	1.09e-06
1526	113	2.92	-4.97	-0.29	1.22e-04	1.30e-03	-2.96e-04
1526	129	-0.50	-5.75	-0.28	1.80e-04	-2.11e-04	-2.20e-04
1526	145	3.28	-5.59	-0.30	1.33e-04	1.46e-03	-3.33e-04
1526	161	-0.56	-6.48	-0.28	1.99e-04	-2.43e-04	-2.49e-04
1526	177	3.22	-5.54	-0.30	1.30e-04	1.42e-03	-3.31e-04
1526	193	-0.55	-6.50	-0.28	1.98e-04	-2.39e-04	-2.54e-04
1526	209	3.75	-6.47	-0.30	1.45e-04	1.63e-03	-3.89e-04
1526	225	-0.62	-7.66	-0.28	2.26e-04	-2.79e-04	-3.04e-04
1527	15	1.55e-03	0.56	-0.13	0.0	9.08e-06	-3.18e-06
1527	20	1.67e-03	0.56	-0.10	0.0	6.82e-06	-1.85e-06
1527	28	1.28e-04	-0.34	-0.26	0.0	1.96e-05	-1.06e-05
1527	72	1.05e-03	0.38	-0.09	0.0	6.72e-06	-2.50e-06
1527	73	1.11e-03	0.38	-0.10	0.0	7.29e-06	-2.74e-06
1527	80	1.02e-04	-0.22	-0.18	0.0	1.38e-05	-7.43e-06
1527	98	-1.39e-04	-1.75e-03	-0.15	0.0	1.09e-05	-5.86e-06
1527	102	2.29e-04	0.08	-0.10	0.0	7.20e-06	-3.73e-06
1527	106	2.35e-05	2.56e-03	-0.10	0.0	7.32e-06	-4.04e-06
1527	107	-1.16e-04	-1.14e-03	-0.14	0.0	1.04e-05	-5.60e-06
1527	114	-2.12	3.66	-0.10	0.0	-7.85e-04	2.27e-04
1527	129	-0.41	-4.23	-0.19	0.0	-1.36e-04	-1.83e-04
1527	133	1.39	-3.78	-0.20	0.0	5.35e-04	1.17e-05
1527	146	-2.39	4.12	-0.09	0.0	-8.85e-04	2.56e-04
1527	161	-0.46	-4.76	-0.20	0.0	-1.54e-04	-2.07e-04
1527	165	1.57	-4.25	-0.20	0.0	6.01e-04	1.43e-05
1527	178	-2.33	4.08	-0.09	0.0	-8.63e-04	2.54e-04
1527	193	-0.45	-4.78	-0.20	0.0	-1.50e-04	-2.10e-04
1527	197	1.53	-4.16	-0.20	0.0	5.87e-04	1.56e-05

1527	210	-2.71	4.77	-0.08	0.0	-1.00e-03	2.98e-04
1527	225	-0.51	-5.63	-0.21	0.0	-1.72e-04	-2.50e-04
1527	233	1.60	-4.93	-0.21	0.0	6.16e-04	1.14e-05
1528	28	0.01	-0.41	-0.34	0.0	2.35e-05	-4.79e-06
1528	44	9.71e-03	-0.66	-0.31	0.0	2.15e-05	-4.20e-06
1528	80	7.17e-03	-0.27	-0.24	0.0	1.65e-05	-3.36e-06
1528	88	6.84e-03	-0.44	-0.22	0.0	1.51e-05	-2.97e-06
1528	98	5.50e-03	-9.40e-03	-0.20	0.0	1.31e-05	-2.81e-06
1528	105	5.45e-03	-0.09	-0.19	0.0	1.28e-05	-2.68e-06
1528	107	5.25e-03	-8.46e-03	-0.19	0.0	1.25e-05	-2.68e-06
1528	113	2.47	-4.31	-0.24	0.0	8.02e-04	-2.67e-04
1528	129	-0.46	-4.98	-0.25	0.0	-1.32e-04	-2.03e-04
1528	133	1.62	-4.45	-0.25	0.0	5.34e-04	1.72e-05
1528	145	2.78	-4.86	-0.25	0.0	9.02e-04	-3.01e-04
1528	161	-0.52	-5.62	-0.25	0.0	-1.49e-04	-2.29e-04
1528	165	1.83	-5.01	-0.26	0.0	5.99e-04	2.01e-05
1528	177	2.71	-4.81	-0.25	0.0	8.79e-04	-2.98e-04
1528	193	-0.51	-5.64	-0.25	0.0	-1.45e-04	-2.33e-04
1528	197	1.78	-4.90	-0.26	0.0	5.85e-04	2.19e-05
1528	209	3.15	-5.62	-0.26	0.0	1.02e-03	-3.49e-04
1528	225	-0.58	-6.64	-0.26	0.0	-1.67e-04	-2.78e-04
1528	233	1.87	-5.81	-0.27	0.0	6.14e-04	1.72e-05
1529	28	0.02	-0.49	-0.50	1.54e-04	5.47e-05	3.11e-06
1529	44	0.02	-0.78	-0.45	1.56e-04	3.40e-05	3.46e-06
1529	80	0.02	-0.33	-0.35	1.09e-04	3.91e-05	2.20e-06
1529	88	0.01	-0.52	-0.32	1.10e-04	2.53e-05	2.44e-06
1529	98	0.01	-0.02	-0.29	8.26e-05	4.24e-05	1.47e-06
1529	105	0.01	-0.12	-0.28	8.45e-05	3.65e-05	1.60e-06
1529	107	0.01	-0.02	-0.28	7.97e-05	4.05e-05	1.43e-06
1529	113	2.82	-4.97	-0.34	2.17e-04	1.30e-03	-2.95e-04
1529	129	-0.52	-5.75	-0.34	2.81e-04	-2.22e-04	-2.20e-04
1529	133	1.85	-5.14	-0.35	2.59e-04	8.64e-04	2.29e-05
1529	145	3.17	-5.59	-0.34	2.34e-04	1.46e-03	-3.32e-04
1529	161	-0.59	-6.48	-0.35	3.06e-04	-2.55e-04	-2.48e-04
1529	165	2.09	-5.77	-0.35	2.82e-04	9.67e-04	2.61e-05
1529	177	3.09	-5.53	-0.34	2.32e-04	1.41e-03	-3.31e-04
1529	193	-0.57	-6.50	-0.35	3.05e-04	-2.51e-04	-2.53e-04
1529	197	2.04	-5.65	-0.35	2.78e-04	9.37e-04	2.84e-05
1529	209	3.59	-6.47	-0.36	2.57e-04	1.62e-03	-3.88e-04
1529	225	-0.65	-7.65	-0.36	3.44e-04	-2.94e-04	-3.04e-04
1529	233	2.13	-6.70	-0.37	3.13e-04	9.52e-04	2.34e-05
1530	15	-1.67e-03	0.56	-0.14	0.0	1.20e-05	-9.11e-06
1530	28	-8.84e-03	-0.34	-0.30	0.0	2.81e-05	-2.30e-05
1530	72	-1.41e-03	0.38	-0.11	0.0	8.96e-06	-6.88e-06
1530	80	-6.19e-03	-0.22	-0.21	0.0	1.97e-05	-1.62e-05
1530	98	-5.16e-03	-5.91e-04	-0.17	0.0	1.55e-05	-1.30e-05
1530	102	-2.98e-03	0.08	-0.12	0.0	1.02e-05	-8.41e-06
1530	106	-3.38e-03	3.35e-03	-0.12	0.0	1.05e-05	-8.79e-06
1530	107	-4.90e-03	-2.79e-05	-0.17	0.0	1.47e-05	-1.24e-05
1530	111	-2.08	1.77	-0.13	0.0	-7.53e-04	2.10e-04
1530	129	-0.44	-4.22	-0.27	0.0	-1.33e-04	-1.94e-04
1530	133	1.37	-3.77	-0.27	0.0	5.35e-04	1.03e-05
1530	143	-2.34	1.99	-0.13	0.0	-8.49e-04	2.38e-04
1530	161	-0.49	-4.76	-0.28	0.0	-1.51e-04	-2.17e-04
1530	165	1.54	-4.24	-0.28	0.0	6.00e-04	1.34e-05
1530	175	-2.27	1.98	-0.13	0.0	-8.24e-04	2.32e-04
1530	193	-0.48	-4.78	-0.28	0.0	-1.48e-04	-2.18e-04
1530	207	-2.63	2.32	-0.12	0.0	-9.57e-04	2.72e-04
1530	225	-0.55	-5.63	-0.30	0.0	-1.71e-04	-2.56e-04
1531	18	6.44e-03	0.65	-0.32	0.0	2.57e-05	-9.48e-06
1531	28	6.14e-03	-0.41	-0.40	0.0	3.48e-05	-1.26e-05
1531	44	6.12e-03	-0.66	-0.36	0.0	3.23e-05	-1.12e-05
1531	75	4.51e-03	0.43	-0.23	0.0	1.83e-05	-6.76e-06
1531	80	4.31e-03	-0.27	-0.28	0.0	2.44e-05	-8.86e-06
1531	88	4.30e-03	-0.44	-0.26	0.0	2.27e-05	-7.89e-06
1531	98	3.12e-03	-7.57e-03	-0.23	0.0	1.92e-05	-7.37e-06
1531	103	3.22e-03	0.08	-0.22	0.0	1.79e-05	-6.83e-06
1531	105	3.18e-03	-0.09	-0.22	0.0	1.88e-05	-7.06e-06
1531	107	2.99e-03	-6.71e-03	-0.22	0.0	1.83e-05	-7.02e-06
1531	113	2.40	-4.31	-0.32	0.0	7.69e-04	-2.64e-04
1531	129	-0.49	-4.98	-0.34	0.0	-1.21e-04	-2.06e-04
1531	133	1.60	-4.45	-0.34	0.0	5.25e-04	1.58e-05
1531	145	2.70	-4.85	-0.33	0.0	8.64e-04	-2.97e-04
1531	161	-0.55	-5.62	-0.35	0.0	-1.39e-04	-2.32e-04
1531	165	1.80	-5.01	-0.36	0.0	5.88e-04	1.91e-05

1531	177	2.62	-4.80	-0.33	0.0	8.39e-04	-2.93e-04
1531	193	-0.54	-5.63	-0.35	0.0	-1.36e-04	-2.35e-04
1531	209	3.04	-5.62	-0.35	0.0	9.70e-04	-3.41e-04
1531	225	-0.62	-6.64	-0.38	0.0	-1.57e-04	-2.79e-04
1532	28	0.02	-0.49	-0.57	2.64e-04	4.40e-05	5.10e-06
1532	44	0.02	-0.78	-0.52	2.59e-04	1.86e-05	5.35e-06
1532	80	0.02	-0.32	-0.40	1.87e-04	3.18e-05	3.59e-06
1532	88	0.02	-0.52	-0.36	1.83e-04	1.49e-05	3.76e-06
1532	98	0.01	-0.02	-0.33	1.45e-04	4.05e-05	2.52e-06
1532	105	0.01	-0.12	-0.32	1.46e-04	3.30e-05	2.65e-06
1532	107	0.01	-0.02	-0.31	1.39e-04	3.85e-05	2.43e-06
1532	113	2.73	-4.96	-0.42	3.54e-04	1.29e-03	-2.93e-04
1532	129	-0.54	-5.75	-0.45	4.34e-04	-2.32e-04	-2.18e-04
1532	133	1.82	-5.13	-0.45	4.15e-04	8.58e-04	2.41e-05
1532	145	3.07	-5.59	-0.44	3.81e-04	1.44e-03	-3.30e-04
1532	161	-0.61	-6.48	-0.46	4.72e-04	-2.65e-04	-2.46e-04
1532	165	2.05	-5.77	-0.46	4.49e-04	9.60e-04	2.74e-05
1532	177	2.98	-5.53	-0.44	3.79e-04	1.39e-03	-3.28e-04
1532	193	-0.60	-6.50	-0.46	4.71e-04	-2.63e-04	-2.51e-04
1532	209	3.45	-6.46	-0.46	4.19e-04	1.60e-03	-3.85e-04
1532	225	-0.69	-7.66	-0.49	5.29e-04	-3.07e-04	-3.01e-04
1533	15	-8.50e-03	0.57	-0.18	0.0	1.66e-05	-1.49e-05
1533	28	-0.03	-0.33	-0.42	0.0	4.08e-05	-3.46e-05
1533	72	-6.54e-03	0.38	-0.14	0.0	1.25e-05	-1.11e-05
1533	80	-0.02	-0.22	-0.30	0.0	2.86e-05	-2.43e-05
1533	98	-0.01	4.85e-04	-0.24	0.0	2.24e-05	-1.98e-05
1533	102	-9.03e-03	0.08	-0.16	0.0	1.46e-05	-1.29e-05
1533	106	-9.65e-03	4.09e-03	-0.16	0.0	1.52e-05	-1.33e-05
1533	107	-0.01	1.00e-03	-0.23	0.0	2.13e-05	-1.88e-05
1533	111	-2.08	1.77	-0.16	0.0	-7.07e-04	2.00e-04
1533	130	0.45	4.22	-0.03	0.0	1.65e-04	1.72e-04
1533	133	1.38	-3.77	-0.43	0.0	5.29e-04	1.27e-05
1533	143	-2.34	1.99	-0.15	0.0	-7.98e-04	2.28e-04
1533	157	-0.37	-4.73	-0.45	0.0	-8.15e-05	-2.33e-04
1533	162	0.51	4.76	-3.27e-03	0.0	1.83e-04	1.96e-04
1533	175	-2.26	1.98	-0.15	0.0	-7.70e-04	2.19e-04
1533	193	-0.53	-4.78	-0.45	0.0	-1.38e-04	-2.31e-04
1533	194	0.51	4.78	-2.91e-03	0.0	1.80e-04	1.93e-04
1533	207	-2.61	2.32	-0.14	0.0	-8.94e-04	2.55e-04
1533	225	-0.61	-5.63	-0.49	0.0	-1.61e-04	-2.69e-04
1533	226	0.58	5.63	0.04	0.0	2.03e-04	2.32e-04
1534	28	-2.32e-03	-0.40	-0.54	0.0	5.47e-05	-2.42e-05
1534	44	-1.33e-03	-0.66	-0.50	0.0	5.09e-05	-2.15e-05
1534	51	-3.10e-03	-0.01	-0.49	0.0	4.87e-05	-2.28e-05
1534	80	-1.62e-03	-0.27	-0.38	0.0	3.83e-05	-1.70e-05
1534	88	-9.66e-04	-0.44	-0.35	0.0	3.58e-05	-1.52e-05
1534	91	-2.15e-03	-8.16e-03	-0.35	0.0	3.44e-05	-1.61e-05
1534	98	-1.83e-03	-5.81e-03	-0.31	0.0	3.02e-05	-1.41e-05
1534	105	-1.55e-03	-0.09	-0.30	0.0	2.96e-05	-1.36e-05
1534	107	-1.72e-03	-5.03e-03	-0.29	0.0	2.88e-05	-1.35e-05
1534	111	-2.36	2.07	-0.22	0.0	-6.37e-04	2.41e-04
1534	129	-0.52	-4.98	-0.52	0.0	-9.79e-05	-2.14e-04
1534	133	1.59	-4.45	-0.52	0.0	4.96e-04	1.08e-05
1534	143	-2.66	2.33	-0.21	0.0	-7.21e-04	2.73e-04
1534	161	-0.59	-5.61	-0.55	0.0	-1.14e-04	-2.40e-04
1534	165	1.79	-5.00	-0.55	0.0	5.55e-04	1.42e-05
1534	178	-2.57	4.79	-0.08	0.0	-7.08e-04	2.69e-04
1534	193	-0.58	-5.63	-0.55	0.0	-1.11e-04	-2.42e-04
1534	210	-2.97	5.60	-0.04	0.0	-8.23e-04	3.16e-04
1534	225	-0.67	-6.64	-0.60	0.0	-1.32e-04	-2.86e-04
1535	28	0.03	-0.48	-0.69	4.07e-04	2.86e-05	1.25e-05
1535	44	0.03	-0.78	-0.64	3.94e-04	-1.08e-06	1.23e-05
1535	80	0.02	-0.32	-0.49	2.87e-04	2.12e-05	8.79e-06
1535	88	0.02	-0.52	-0.45	2.79e-04	1.42e-06	8.68e-06
1535	98	0.01	-0.02	-0.39	2.25e-04	3.57e-05	6.64e-06
1535	105	0.01	-0.12	-0.38	2.25e-04	2.67e-05	6.72e-06
1535	107	0.01	-0.02	-0.38	2.16e-04	3.40e-05	6.37e-06
1535	113	2.65	-4.96	-0.59	5.41e-04	1.26e-03	-2.86e-04
1535	129	-0.56	-5.75	-0.64	6.55e-04	-2.41e-04	-2.12e-04
1535	133	1.80	-5.13	-0.64	6.32e-04	8.39e-04	2.90e-05
1535	145	2.98	-5.58	-0.62	5.82e-04	1.41e-03	-3.23e-04
1535	157	-0.42	-6.44	-0.67	7.09e-04	-1.68e-04	-2.37e-04
1535	161	-0.63	-6.48	-0.67	7.11e-04	-2.75e-04	-2.40e-04
1535	177	2.88	-5.53	-0.62	5.79e-04	1.36e-03	-3.21e-04
1535	193	-0.62	-6.50	-0.67	7.10e-04	-2.73e-04	-2.45e-04

1535	209	3.33	-6.46	-0.66	6.40e-04	1.56e-03	-3.78e-04
1535	225	-0.72	-7.66	-0.73	7.97e-04	-3.19e-04	-2.94e-04
1536	15	-0.02	0.57	-0.20	-1.97e-04	0.0	-4.71e-04
1536	28	-0.05	-0.33	-0.52	1.48e-04	0.0	1.75e-04
1536	72	-0.01	0.38	-0.15	-1.31e-04	0.0	-3.12e-04
1536	80	-0.03	-0.22	-0.37	9.92e-05	0.0	1.18e-04
1536	98	-0.03	1.50e-03	-0.29	1.09e-05	0.0	1.54e-05
1536	102	-0.02	0.08	-0.19	-2.04e-05	0.0	-5.27e-05
1536	106	-0.02	4.78e-03	-0.20	7.23e-06	0.0	1.23e-05
1536	107	-0.03	1.97e-03	-0.27	1.04e-05	0.0	1.50e-05
1536	111	-2.13	1.77	-0.10	-6.93e-04	0.0	2.40e-04
1536	130	0.48	4.22	0.16	-1.71e-03	0.0	-3.92e-05
1536	133	1.41	-3.77	-0.73	1.55e-03	0.0	7.89e-05
1536	143	-2.40	1.99	-0.08	-7.82e-04	0.0	2.68e-04
1536	162	0.54	4.76	0.21	-1.93e-03	0.0	-4.54e-05
1536	165	1.58	-4.24	-0.78	1.74e-03	0.0	8.71e-05
1536	175	-2.30	1.98	-0.07	-7.76e-04	0.0	2.67e-04
1536	194	0.54	4.78	0.22	-1.94e-03	0.0	-3.93e-05
1536	201	1.35	-4.21	-0.78	1.73e-03	0.0	8.21e-05
1536	207	-2.65	2.32	-0.04	-9.13e-04	0.0	3.10e-04
1536	226	0.63	5.63	0.30	-2.29e-03	0.0	-4.47e-05
1536	233	1.56	-4.92	-0.86	2.02e-03	0.0	9.26e-05
1537	19	-4.90e-03	0.66	-0.16	-1.93e-04	0.0	-2.74e-04
1537	28	-0.02	-0.40	-0.69	1.56e-04	0.0	1.15e-04
1537	52	-0.02	-0.01	-0.64	2.74e-05	0.0	2.45e-05
1537	72	-6.76e-03	0.44	-0.21	-1.24e-04	0.0	-1.78e-04
1537	80	-0.02	-0.27	-0.48	1.05e-04	0.0	7.76e-05
1537	92	-0.02	-6.51e-03	-0.45	1.93e-05	0.0	1.76e-05
1537	98	-0.01	-3.70e-03	-0.38	1.63e-05	0.0	1.56e-05
1537	105	-0.01	-0.09	-0.38	4.42e-05	0.0	3.51e-05
1537	107	-0.01	-3.01e-03	-0.36	1.55e-05	0.0	1.51e-05
1537	111	-2.35	2.07	-0.18	-6.82e-04	0.0	3.03e-04
1537	129	-0.56	-4.98	-0.85	1.76e-03	0.0	3.86e-05
1537	133	1.59	-4.45	-0.86	1.56e-03	0.0	5.62e-05
1537	143	-2.65	2.33	-0.16	-7.70e-04	0.0	3.40e-04
1537	161	-0.63	-5.61	-0.91	1.98e-03	0.0	4.12e-05
1537	165	1.79	-5.00	-0.92	1.75e-03	0.0	6.18e-05
1537	175	-2.54	2.32	-0.16	-7.64e-04	0.0	3.39e-04
1537	193	-0.63	-5.63	-0.91	1.98e-03	0.0	3.67e-05
1537	201	1.52	-4.97	-0.92	1.74e-03	0.0	5.76e-05
1537	207	-2.92	2.72	-0.12	-8.99e-04	0.0	3.95e-04
1537	225	-0.73	-6.63	-1.01	2.33e-03	0.0	3.74e-05
1538	28	0.04	-0.48	-0.90	5.86e-04	1.28e-05	9.34e-06
1538	44	0.04	-0.77	-0.83	5.63e-04	-1.88e-05	1.02e-05
1538	80	0.03	-0.32	-0.63	4.14e-04	1.02e-05	6.68e-06
1538	88	0.03	-0.52	-0.59	3.99e-04	-1.09e-05	7.23e-06
1538	98	0.02	-0.01	-0.50	3.26e-04	2.91e-05	4.83e-06
1538	105	0.02	-0.11	-0.49	3.25e-04	1.93e-05	5.16e-06
1538	107	0.02	-0.01	-0.48	3.13e-04	2.76e-05	4.72e-06
1538	113	2.60	-4.96	-0.93	7.55e-04	1.22e-03	-2.82e-04
1538	129	-0.57	-5.75	-1.01	9.28e-04	-2.49e-04	-2.16e-04
1538	133	1.79	-5.13	-1.02	8.88e-04	8.15e-04	3.23e-05
1538	145	2.92	-5.58	-0.98	8.10e-04	1.37e-03	-3.18e-04
1538	161	-0.64	-6.48	-1.08	1.01e-03	-2.84e-04	-2.45e-04
1538	165	2.01	-5.77	-1.08	9.60e-04	9.13e-04	3.62e-05
1538	177	2.80	-5.52	-0.98	8.05e-04	1.32e-03	-3.14e-04
1538	193	-0.64	-6.50	-1.08	1.00e-03	-2.82e-04	-2.48e-04
1538	209	3.23	-6.46	-1.07	8.89e-04	1.52e-03	-3.68e-04
1538	225	-0.74	-7.66	-1.19	1.12e-03	-3.29e-04	-2.97e-04
1539	4	1.84e-03	0.10	-0.02	-2.40e-04	0.0	-4.81e-05
1539	18	1.73e-03	0.16	-0.02	-3.76e-04	0.0	-8.22e-05
1539	28	1.76e-03	-0.06	-0.02	1.43e-04	0.0	2.84e-05
1539	68	1.29e-03	0.07	-0.01	-1.62e-04	0.0	-3.19e-05
1539	75	1.21e-03	0.11	-0.01	-2.52e-04	0.0	-5.47e-05
1539	80	1.23e-03	-0.04	-0.02	9.38e-05	0.0	1.91e-05
1539	98	9.74e-04	8.63e-03	-0.01	-1.97e-05	0.0	1.70e-06
1539	103	9.61e-04	0.03	-0.01	-6.54e-05	0.0	-9.64e-06
1539	107	9.26e-04	8.34e-03	-0.01	-1.90e-05	0.0	1.65e-06
1539	113	0.22	0.03	-0.01	-6.41e-05	0.0	-3.46e-05
1539	136	-0.05	0.57	-7.04e-03	-1.42e-03	0.0	-3.64e-05
1539	139	0.05	-0.55	-0.02	1.38e-03	0.0	3.97e-05
1539	145	0.24	0.03	-0.01	-7.02e-05	0.0	-3.92e-05
1539	168	-0.06	0.64	-6.46e-03	-1.60e-03	0.0	-4.13e-05
1539	171	0.06	-0.62	-0.02	1.56e-03	0.0	4.46e-05
1539	177	0.23	0.03	-0.01	-7.15e-05	0.0	-3.88e-05

1539	200	-0.06	0.63	-6.53e-03	-1.59e-03	0.0	-4.17e-05
1539	203	0.06	-0.62	-0.02	1.55e-03	0.0	4.50e-05
1539	209	0.27	0.03	-0.01	-8.34e-05	0.0	-4.57e-05
1539	232	-0.07	0.74	-5.67e-03	-1.85e-03	0.0	-5.00e-05
1539	235	0.07	-0.72	-0.02	1.82e-03	0.0	5.33e-05
1540	1	0.0	0.0	0.0	-2.36e-04	0.0	-8.53e-06
1540	65	0.0	0.0	0.0	-1.59e-04	0.0	-5.66e-06
1540	97	0.0	0.0	0.0	-1.57e-05	0.0	0.0
1540	106	0.0	0.0	0.0	-1.57e-05	0.0	0.0
1540	108	0.0	0.0	0.0	-8.04e-04	0.0	-4.73e-06
1540	140	0.0	0.0	0.0	-9.03e-04	0.0	-5.37e-06
1540	172	0.0	0.0	0.0	-8.92e-04	0.0	-5.32e-06
1540	204	0.0	0.0	0.0	-1.04e-03	0.0	-6.29e-06
1541	4	4.44e-03	0.20	-0.04	-2.21e-04	0.0	-8.69e-05
1541	18	4.16e-03	0.31	-0.03	-3.47e-04	0.0	-1.48e-04
1541	28	4.21e-03	-0.12	-0.04	1.39e-04	0.0	5.03e-05
1541	68	3.10e-03	0.13	-0.02	-1.49e-04	0.0	-5.77e-05
1541	75	2.91e-03	0.21	-0.02	-2.32e-04	0.0	-9.85e-05
1541	80	2.94e-03	-0.08	-0.03	9.13e-05	0.0	3.37e-05
1541	98	2.36e-03	0.02	-0.02	-1.75e-05	0.0	2.73e-06
1541	103	2.32e-03	0.05	-0.02	-5.97e-05	0.0	-1.76e-05
1541	107	2.24e-03	0.02	-0.02	-1.69e-05	0.0	2.64e-06
1541	113	0.48	0.05	-0.02	-6.16e-05	0.0	-7.12e-05
1541	136	-0.11	1.14	-0.01	-1.43e-03	0.0	-7.01e-05
1541	139	0.12	-1.11	-0.03	1.39e-03	0.0	7.54e-05
1541	145	0.54	0.06	-0.02	-6.77e-05	0.0	-8.05e-05
1541	168	-0.13	1.28	-9.64e-03	-1.60e-03	0.0	-7.95e-05
1541	171	0.13	-1.25	-0.03	1.57e-03	0.0	8.47e-05
1541	177	0.52	0.06	-0.02	-6.90e-05	0.0	-7.98e-05
1541	200	-0.13	1.27	-9.77e-03	-1.59e-03	0.0	-8.03e-05
1541	203	0.13	-1.24	-0.03	1.56e-03	0.0	8.56e-05
1541	209	0.60	0.07	-0.02	-8.09e-05	0.0	-9.38e-05
1541	232	-0.15	1.48	-7.83e-03	-1.86e-03	0.0	-9.62e-05
1541	235	0.15	-1.45	-0.03	1.83e-03	0.0	1.01e-04
1542	4	7.25e-03	0.28	-0.05	-1.94e-04	0.0	-1.12e-04
1542	18	6.92e-03	0.44	-0.04	-3.06e-04	0.0	-1.91e-04
1542	28	6.62e-03	-0.17	-0.05	1.34e-04	0.0	6.48e-05
1542	68	5.05e-03	0.19	-0.03	-1.31e-04	0.0	-7.43e-05
1542	75	4.83e-03	0.30	-0.03	-2.05e-04	0.0	-1.27e-04
1542	80	4.63e-03	-0.11	-0.04	8.80e-05	0.0	4.34e-05
1542	98	3.74e-03	0.02	-0.03	-1.44e-05	0.0	3.56e-06
1542	103	3.72e-03	0.08	-0.03	-5.20e-05	0.0	-2.27e-05
1542	107	3.56e-03	0.02	-0.03	-1.39e-05	0.0	3.45e-06
1542	113	0.89	0.08	-0.03	-5.80e-05	0.0	-1.06e-04
1542	135	0.15	-1.66	-0.05	1.40e-03	0.0	1.05e-04
1542	136	-0.20	1.71	-0.01	-1.43e-03	0.0	-9.85e-05
1542	145	1.00	0.08	-0.03	-6.41e-05	0.0	-1.20e-04
1542	167	0.16	-1.87	-0.05	1.58e-03	0.0	1.18e-04
1542	168	-0.23	1.92	-0.01	-1.61e-03	0.0	-1.12e-04
1542	177	0.96	0.09	-0.03	-6.54e-05	0.0	-1.19e-04
1542	200	-0.23	1.91	-0.01	-1.60e-03	0.0	-1.13e-04
1542	203	0.24	-1.86	-0.05	1.57e-03	0.0	1.20e-04
1542	209	1.10	0.10	-0.03	-7.71e-05	0.0	-1.40e-04
1542	232	-0.27	2.23	-8.79e-03	-1.87e-03	0.0	-1.35e-04
1542	235	0.27	-2.18	-0.05	1.84e-03	0.0	1.42e-04
1543	4	2.06e-03	0.14	-4.50e-03	-3.23e-04	0.0	-7.23e-05
1543	18	1.90e-03	0.23	-4.01e-03	-5.17e-04	0.0	-1.23e-04
1543	28	2.04e-03	-0.08	-4.85e-03	1.91e-04	0.0	4.13e-05
1543	68	1.44e-03	0.10	-3.28e-03	-2.17e-04	0.0	-4.80e-05
1543	75	1.33e-03	0.15	-2.96e-03	-3.46e-04	0.0	-8.18e-05
1543	80	1.43e-03	-0.05	-3.52e-03	1.26e-04	0.0	2.77e-05
1543	98	1.12e-03	7.37e-03	-3.07e-03	-1.70e-05	0.0	2.05e-06
1543	103	1.10e-03	0.04	-2.95e-03	-8.21e-05	0.0	-1.48e-05
1543	107	1.07e-03	7.12e-03	-2.99e-03	-1.65e-05	0.0	1.98e-06
1543	111	-0.21	-0.34	-4.71e-03	8.41e-04	0.0	5.31e-05
1543	113	0.21	0.05	-1.72e-03	-1.20e-04	0.0	-3.46e-05
1543	136	-0.05	0.59	-2.26e-03	-1.47e-03	0.0	-4.00e-05
1543	143	-0.24	-0.38	-4.92e-03	9.49e-04	0.0	5.96e-05
1543	145	0.24	0.05	-1.56e-03	-1.34e-04	0.0	-3.92e-05
1543	168	-0.06	0.66	-2.17e-03	-1.65e-03	0.0	-4.54e-05
1543	175	-0.23	-0.37	-4.86e-03	9.37e-04	0.0	5.90e-05
1543	177	0.23	0.05	-1.60e-03	-1.34e-04	0.0	-3.89e-05
1543	200	-0.06	0.66	-2.21e-03	-1.64e-03	0.0	-4.56e-05
1543	207	-0.26	-0.44	-5.16e-03	1.10e-03	0.0	6.88e-05
1543	209	0.27	0.06	-1.39e-03	-1.57e-04	0.0	-4.59e-05

1543	232	-0.07	0.77	-2.09e-03	-1.92e-03	0.0	-5.46e-05
1544	1	0.0	0.0	0.0	-3.28e-04	0.0	-1.28e-05
1544	65	0.0	0.0	0.0	-2.20e-04	0.0	-8.49e-06
1544	97	0.0	0.0	0.0	-1.35e-05	0.0	0.0
1544	106	0.0	0.0	0.0	-1.35e-05	0.0	0.0
1544	108	0.0	0.0	0.0	-8.75e-04	0.0	-4.83e-06
1544	140	0.0	0.0	0.0	-9.83e-04	0.0	-5.49e-06
1544	172	0.0	0.0	0.0	-9.71e-04	0.0	-5.43e-06
1544	204	0.0	0.0	0.0	-1.13e-03	0.0	-6.42e-06
1545	4	4.58e-03	0.27	-8.11e-03	-2.84e-04	0.0	-1.30e-04
1545	18	4.26e-03	0.44	-7.22e-03	-4.55e-04	0.0	-2.22e-04
1545	28	4.43e-03	-0.16	-8.72e-03	1.76e-04	0.0	7.44e-05
1545	68	3.21e-03	0.18	-5.91e-03	-1.90e-04	0.0	-8.67e-05
1545	75	2.99e-03	0.29	-5.31e-03	-3.04e-04	0.0	-1.48e-04
1545	80	3.10e-03	-0.10	-6.31e-03	1.16e-04	0.0	4.99e-05
1545	98	2.49e-03	0.01	-5.50e-03	-1.51e-05	0.0	3.67e-06
1545	103	2.44e-03	0.07	-5.28e-03	-7.23e-05	0.0	-2.67e-05
1545	107	2.37e-03	0.01	-5.34e-03	-1.46e-05	0.0	3.55e-06
1545	111	-0.46	-0.67	-7.87e-03	8.42e-04	0.0	1.07e-04
1545	113	0.47	0.10	-3.47e-03	-1.17e-04	0.0	-7.13e-05
1545	136	-0.11	1.18	-4.28e-03	-1.47e-03	0.0	-7.93e-05
1545	143	-0.52	-0.76	-8.19e-03	9.50e-04	0.0	1.20e-04
1545	145	0.53	0.11	-3.24e-03	-1.31e-04	0.0	-8.08e-05
1545	168	-0.12	1.32	-4.15e-03	-1.65e-03	0.0	-8.99e-05
1545	175	-0.50	-0.75	-8.10e-03	9.38e-04	0.0	1.19e-04
1545	177	0.51	0.11	-3.30e-03	-1.31e-04	0.0	-8.01e-05
1545	200	-0.12	1.32	-4.21e-03	-1.64e-03	0.0	-9.04e-05
1545	207	-0.58	-0.88	-8.54e-03	1.10e-03	0.0	1.38e-04
1545	209	0.58	0.13	-2.98e-03	-1.54e-04	0.0	-9.44e-05
1545	232	-0.14	1.54	-4.03e-03	-1.92e-03	0.0	-1.08e-04
1546	4	7.14e-03	0.38	-0.01	-2.31e-04	0.0	-1.62e-04
1546	18	6.83e-03	0.61	-0.01	-3.69e-04	0.0	-2.76e-04
1546	28	6.49e-03	-0.23	-0.01	1.57e-04	0.0	9.39e-05
1546	68	4.98e-03	0.25	-8.25e-03	-1.55e-04	0.0	-1.08e-04
1546	75	4.77e-03	0.41	-7.41e-03	-2.47e-04	0.0	-1.84e-04
1546	80	4.54e-03	-0.15	-8.82e-03	1.04e-04	0.0	6.30e-05
1546	98	3.68e-03	0.02	-7.67e-03	-1.21e-05	0.0	5.18e-06
1546	103	3.67e-03	0.10	-7.36e-03	-5.86e-05	0.0	-3.28e-05
1546	107	3.50e-03	0.02	-7.45e-03	-1.17e-05	0.0	5.01e-06
1546	113	0.89	0.14	-8.18e-03	-1.13e-04	0.0	-1.05e-04
1546	133	0.61	-1.37	-8.50e-03	1.14e-03	0.0	3.90e-05
1546	136	-0.20	1.76	-6.66e-03	-1.46e-03	0.0	-1.09e-04
1546	145	1.00	0.16	-8.27e-03	-1.27e-04	0.0	-1.19e-04
1546	165	0.69	-1.54	-8.63e-03	1.29e-03	0.0	4.34e-05
1546	168	-0.23	1.98	-6.56e-03	-1.65e-03	0.0	-1.23e-04
1546	177	0.96	0.16	-8.21e-03	-1.27e-04	0.0	-1.18e-04
1546	197	0.66	-1.52	-8.60e-03	1.27e-03	0.0	4.37e-05
1546	200	-0.23	1.97	-6.56e-03	-1.64e-03	0.0	-1.25e-04
1546	209	1.10	0.19	-8.32e-03	-1.50e-04	0.0	-1.39e-04
1546	229	0.76	-1.78	-8.78e-03	1.49e-03	0.0	5.13e-05
1546	232	-0.27	2.30	-6.41e-03	-1.91e-03	0.0	-1.49e-04
1547	18	2.55e-03	0.32	-2.16e-03	-6.75e-04	0.0	-1.43e-04
1547	28	3.12e-03	-0.11	-2.32e-03	2.44e-04	0.0	4.78e-05
1547	75	1.80e-03	0.21	-1.66e-03	-4.51e-04	0.0	-9.54e-05
1547	80	2.18e-03	-0.07	-1.77e-03	1.62e-04	0.0	3.20e-05
1547	98	1.70e-03	6.06e-03	-1.72e-03	-1.44e-05	0.0	2.19e-06
1547	103	1.61e-03	0.05	-1.70e-03	-1.01e-04	0.0	-1.74e-05
1547	107	1.61e-03	5.85e-03	-1.71e-03	-1.39e-05	0.0	2.12e-06
1547	113	0.21	0.07	0.02	-1.73e-04	0.0	-3.46e-05
1547	114	-0.21	-0.06	-0.02	1.45e-04	0.0	3.89e-05
1547	136	-0.05	0.61	-7.13e-03	-1.52e-03	0.0	-4.08e-05
1547	145	0.24	0.08	0.02	-1.93e-04	0.0	-3.93e-05
1547	146	-0.24	-0.07	-0.03	1.65e-04	0.0	4.35e-05
1547	168	-0.06	0.69	-7.82e-03	-1.71e-03	0.0	-4.63e-05
1547	177	0.23	0.08	0.02	-1.93e-04	0.0	-3.90e-05
1547	178	-0.23	-0.07	-0.03	1.65e-04	0.0	4.32e-05
1547	200	-0.06	0.68	-7.82e-03	-1.70e-03	0.0	-4.65e-05
1547	209	0.26	0.09	0.03	-2.27e-04	0.0	-4.60e-05
1547	210	-0.26	-0.08	-0.03	1.99e-04	0.0	5.02e-05
1547	232	-0.07	0.80	-8.77e-03	-1.99e-03	0.0	-5.56e-05
1548	1	0.0	0.0	0.0	-4.31e-04	0.0	-1.32e-05
1548	65	0.0	0.0	0.0	-2.89e-04	0.0	-8.77e-06
1548	97	0.0	0.0	0.0	-1.13e-05	0.0	0.0
1548	106	0.0	0.0	0.0	-1.13e-05	0.0	0.0
1548	108	0.0	0.0	0.0	-9.43e-04	0.0	-4.82e-06

1548	140	0.0	0.0	0.0	-1.06e-03	0.0	-5.47e-06
1548	172	0.0	0.0	0.0	-1.05e-03	0.0	-5.41e-06
1548	204	0.0	0.0	0.0	-1.22e-03	0.0	-6.40e-06
1549	18	4.76e-03	0.60	-3.68e-03	-5.65e-04	0.0	-2.66e-04
1549	28	5.35e-03	-0.21	-3.94e-03	2.15e-04	0.0	8.80e-05
1549	75	3.36e-03	0.40	-2.83e-03	-3.78e-04	0.0	-1.77e-04
1549	80	3.76e-03	-0.14	-3.00e-03	1.42e-04	0.0	5.90e-05
1549	98	3.00e-03	0.01	-2.94e-03	-1.27e-05	0.0	3.86e-06
1549	103	2.90e-03	0.09	-2.91e-03	-8.52e-05	0.0	-3.24e-05
1549	107	2.86e-03	0.01	-2.93e-03	-1.22e-05	0.0	3.73e-06
1549	111	-0.44	-0.73	-0.05	9.09e-04	0.0	1.09e-04
1549	113	0.44	0.14	0.04	-1.69e-04	0.0	-7.18e-05
1549	136	-0.10	1.22	-0.01	-1.51e-03	0.0	-8.21e-05
1549	143	-0.49	-0.83	-0.06	1.03e-03	0.0	1.22e-04
1549	145	0.50	0.16	0.05	-1.89e-04	0.0	-8.14e-05
1549	168	-0.12	1.37	-0.02	-1.70e-03	0.0	-9.31e-05
1549	175	-0.47	-0.82	-0.05	1.01e-03	0.0	1.21e-04
1549	177	0.48	0.16	0.05	-1.89e-04	0.0	-8.08e-05
1549	200	-0.12	1.36	-0.02	-1.69e-03	0.0	-9.35e-05
1549	207	-0.54	-0.96	-0.06	1.18e-03	0.0	1.41e-04
1549	209	0.55	0.19	0.06	-2.22e-04	0.0	-9.52e-05
1549	232	-0.14	1.60	-0.02	-1.97e-03	0.0	-1.12e-04
1550	4	7.27e-03	0.49	-6.25e-03	-2.64e-04	0.0	-1.76e-04
1550	18	6.94e-03	0.79	-6.06e-03	-4.29e-04	0.0	-3.00e-04
1550	28	6.64e-03	-0.29	-6.49e-03	1.80e-04	0.0	1.02e-04
1550	68	5.07e-03	0.33	-4.79e-03	-1.77e-04	0.0	-1.17e-04
1550	75	4.85e-03	0.53	-4.66e-03	-2.87e-04	0.0	-2.00e-04
1550	80	4.65e-03	-0.19	-4.95e-03	1.19e-04	0.0	6.81e-05
1550	98	3.77e-03	0.02	-4.86e-03	-9.73e-06	0.0	5.45e-06
1550	103	3.76e-03	0.12	-4.80e-03	-6.47e-05	0.0	-3.58e-05
1550	107	3.59e-03	0.02	-4.84e-03	-9.39e-06	0.0	5.27e-06
1550	111	-0.89	-1.10	-0.09	9.05e-04	0.0	1.55e-04
1550	113	0.89	0.21	0.08	-1.63e-04	0.0	-1.05e-04
1550	136	-0.21	1.82	-0.02	-1.49e-03	0.0	-1.11e-04
1550	143	-1.00	-1.24	-0.10	1.02e-03	0.0	1.74e-04
1550	145	1.01	0.23	0.09	-1.83e-04	0.0	-1.19e-04
1550	168	-0.23	2.05	-0.03	-1.68e-03	0.0	-1.26e-04
1550	175	-0.96	-1.22	-0.09	1.01e-03	0.0	1.72e-04
1550	177	0.97	0.23	0.08	-1.83e-04	0.0	-1.18e-04
1550	200	-0.23	2.04	-0.03	-1.67e-03	0.0	-1.27e-04
1550	207	-1.10	-1.43	-0.11	1.18e-03	0.0	2.01e-04
1550	209	1.11	0.27	0.10	-2.16e-04	0.0	-1.39e-04
1550	232	-0.27	2.38	-0.03	-1.96e-03	0.0	-1.52e-04
1551	4	0.01	0.36	-0.06	-1.60e-04	0.0	-1.23e-04
1551	18	0.01	0.57	-0.05	-2.54e-04	0.0	-2.10e-04
1551	28	9.70e-03	-0.23	-0.07	1.27e-04	0.0	7.29e-05
1551	68	7.51e-03	0.24	-0.04	-1.08e-04	0.0	-8.15e-05
1551	75	7.22e-03	0.38	-0.04	-1.70e-04	0.0	-1.40e-04
1551	80	6.78e-03	-0.15	-0.05	8.42e-05	0.0	4.90e-05
1551	98	5.51e-03	0.03	-0.04	-1.02e-05	0.0	4.74e-06
1551	103	5.50e-03	0.10	-0.04	-4.18e-05	0.0	-2.44e-05
1551	107	5.23e-03	0.03	-0.04	-9.81e-06	0.0	4.59e-06
1551	108	1.36	1.33	-0.03	-8.06e-04	0.0	-1.86e-04
1551	135	0.23	-2.30	-0.06	1.41e-03	0.0	1.34e-04
1551	136	-0.31	2.35	-0.02	-1.43e-03	0.0	-1.26e-04
1551	140	1.53	1.49	-0.03	-9.06e-04	0.0	-2.11e-04
1551	167	0.25	-2.59	-0.06	1.59e-03	0.0	1.51e-04
1551	168	-0.35	2.65	-0.01	-1.61e-03	0.0	-1.43e-04
1551	177	1.47	0.11	-0.04	-6.03e-05	0.0	-1.62e-04
1551	200	-0.35	2.63	-0.01	-1.60e-03	0.0	-1.45e-04
1551	203	0.36	-2.57	-0.06	1.58e-03	0.0	1.54e-04
1551	209	1.69	0.13	-0.04	-7.19e-05	0.0	-1.90e-04
1551	232	-0.41	3.07	-9.26e-03	-1.87e-03	0.0	-1.74e-04
1551	235	0.42	-3.01	-0.07	1.85e-03	0.0	1.83e-04
1552	4	0.01	0.43	-0.07	-1.25e-04	0.0	-1.14e-04
1552	18	0.01	0.67	-0.06	-2.02e-04	0.0	-1.98e-04
1552	28	0.01	-0.28	-0.08	1.23e-04	0.0	7.24e-05
1552	68	0.01	0.29	-0.05	-8.35e-05	0.0	-7.54e-05
1552	75	9.81e-03	0.45	-0.04	-1.35e-04	0.0	-1.31e-04
1552	80	9.15e-03	-0.19	-0.06	8.15e-05	0.0	4.87e-05
1552	98	7.48e-03	0.03	-0.05	-4.96e-06	0.0	6.43e-06
1552	103	7.48e-03	0.11	-0.04	-3.07e-05	0.0	-2.14e-05
1552	107	7.11e-03	0.03	-0.04	-4.76e-06	0.0	6.20e-06
1552	108	1.82	1.69	-0.03	-8.02e-04	0.0	-2.31e-04
1552	136	-0.42	3.00	-0.02	-1.43e-03	0.0	-1.49e-04

1552	139	0.43	-2.94	-0.07	1.42e-03	0.0	1.61e-04
1552	140	2.05	1.90	-0.03	-9.03e-04	0.0	-2.61e-04
1552	168	-0.47	3.37	-0.02	-1.61e-03	0.0	-1.69e-04
1552	171	0.48	-3.31	-0.07	1.60e-03	0.0	1.81e-04
1552	172	1.97	1.88	-0.03	-8.91e-04	0.0	-2.59e-04
1552	200	-0.47	3.35	-0.02	-1.60e-03	0.0	-1.71e-04
1552	203	0.48	-3.29	-0.07	1.59e-03	0.0	1.84e-04
1552	204	2.27	2.19	-0.03	-1.04e-03	0.0	-3.06e-04
1552	232	-0.54	3.91	-0.01	-1.87e-03	0.0	-2.06e-04
1552	235	0.56	-3.85	-0.08	1.86e-03	0.0	2.19e-04
1553	4	0.01	0.47	-0.01	-1.61e-04	0.0	-1.79e-04
1553	18	0.01	0.75	-0.01	-2.59e-04	0.0	-3.06e-04
1553	28	9.63e-03	-0.29	-0.02	1.34e-04	0.0	1.07e-04
1553	68	7.48e-03	0.31	-0.01	-1.08e-04	0.0	-1.19e-04
1553	75	7.20e-03	0.50	-9.33e-03	-1.73e-04	0.0	-2.04e-04
1553	80	6.74e-03	-0.19	-0.01	8.87e-05	0.0	7.16e-05
1553	98	5.49e-03	0.02	-9.66e-03	-7.68e-06	0.0	7.03e-06
1553	103	5.49e-03	0.12	-9.26e-03	-4.05e-05	0.0	-3.54e-05
1553	107	5.22e-03	0.02	-9.38e-03	-7.41e-06	0.0	6.79e-06
1553	108	1.36	1.44	-8.11e-03	-8.60e-04	0.0	-1.90e-04
1553	127	-0.92	-2.22	-0.01	1.35e-03	0.0	1.27e-04
1553	136	-0.31	2.42	-8.59e-03	-1.45e-03	0.0	-1.36e-04
1553	140	1.53	1.61	-7.95e-03	-9.67e-04	0.0	-2.15e-04
1553	159	-1.04	-2.50	-0.01	1.52e-03	0.0	1.42e-04
1553	168	-0.35	2.72	-8.50e-03	-1.63e-03	0.0	-1.55e-04
1553	172	1.47	1.59	-7.99e-03	-9.55e-04	0.0	-2.13e-04
1553	191	-1.00	-2.45	-0.01	1.49e-03	0.0	1.40e-04
1553	200	-0.35	2.71	-8.51e-03	-1.62e-03	0.0	-1.57e-04
1553	209	1.69	0.25	-8.41e-03	-1.44e-04	0.0	-1.89e-04
1553	223	-1.16	-2.85	-0.01	1.73e-03	0.0	1.63e-04
1553	232	-0.41	3.16	-8.36e-03	-1.90e-03	0.0	-1.88e-04
1554	4	0.02	0.53	-0.02	-8.94e-05	0.0	-1.74e-04
1554	18	0.02	0.84	-0.01	-1.46e-04	0.0	-3.01e-04
1554	28	0.01	-0.35	-0.02	1.11e-04	0.0	1.09e-04
1554	68	0.01	0.35	-0.01	-5.98e-05	0.0	-1.15e-04
1554	75	0.01	0.56	-0.01	-9.73e-05	0.0	-2.00e-04
1554	80	9.94e-03	-0.23	-0.01	7.37e-05	0.0	7.34e-05
1554	98	8.16e-03	0.03	-0.01	-2.57e-06	0.0	9.08e-06
1554	103	8.14e-03	0.13	-0.01	-2.14e-05	0.0	-3.31e-05
1554	107	7.77e-03	0.03	-0.01	-2.48e-06	0.0	8.75e-06
1554	108	1.84	1.82	-4.36e-03	-8.51e-04	0.0	-2.33e-04
1554	111	-1.82	-1.77	-0.02	8.46e-04	0.0	2.51e-04
1554	136	-0.42	3.07	-7.72e-03	-1.44e-03	0.0	-1.58e-04
1554	140	2.07	2.05	-3.54e-03	-9.57e-04	0.0	-2.64e-04
1554	143	-2.05	-1.99	-0.02	9.52e-04	0.0	2.82e-04
1554	168	-0.47	3.45	-7.34e-03	-1.62e-03	0.0	-1.80e-04
1554	172	1.99	2.02	-3.80e-03	-9.46e-04	0.0	-2.62e-04
1554	175	-1.97	-1.97	-0.02	9.41e-04	0.0	2.80e-04
1554	200	-0.47	3.43	-7.52e-03	-1.61e-03	0.0	-1.82e-04
1554	207	-2.27	-2.30	-0.02	1.10e-03	0.0	3.27e-04
1554	209	2.29	0.32	-4.73e-03	-1.38e-04	0.0	-2.38e-04
1554	232	-0.55	4.01	-7.00e-03	-1.88e-03	0.0	-2.19e-04
1555	4	0.01	0.59	-8.94e-03	-1.70e-04	0.0	-1.94e-04
1555	18	0.01	0.96	-8.70e-03	-2.76e-04	0.0	-3.33e-04
1555	28	9.98e-03	-0.36	-9.23e-03	1.44e-04	0.0	1.15e-04
1555	68	7.72e-03	0.39	-6.85e-03	-1.14e-04	0.0	-1.29e-04
1555	75	7.43e-03	0.64	-6.69e-03	-1.85e-04	0.0	-2.21e-04
1555	80	6.99e-03	-0.24	-7.05e-03	9.53e-05	0.0	7.75e-05
1555	98	5.71e-03	0.02	-6.92e-03	-5.38e-06	0.0	7.42e-06
1555	103	5.70e-03	0.14	-6.85e-03	-4.10e-05	0.0	-3.86e-05
1555	107	5.43e-03	0.02	-6.89e-03	-5.20e-06	0.0	7.16e-06
1555	108	1.35	1.54	0.09	-9.11e-04	0.0	-1.91e-04
1555	111	-1.34	-1.51	-0.11	9.01e-04	0.0	2.05e-04
1555	136	-0.31	2.49	-0.03	-1.47e-03	0.0	-1.39e-04
1555	140	1.52	1.74	0.11	-1.02e-03	0.0	-2.16e-04
1555	143	-1.51	-1.70	-0.12	1.01e-03	0.0	2.30e-04
1555	168	-0.35	2.80	-0.03	-1.66e-03	0.0	-1.58e-04
1555	172	1.46	1.72	0.10	-1.01e-03	0.0	-2.14e-04
1555	175	-1.45	-1.68	-0.12	1.00e-03	0.0	2.28e-04
1555	200	-0.35	2.79	-0.03	-1.65e-03	0.0	-1.60e-04
1555	207	-1.67	-1.96	-0.13	1.17e-03	0.0	2.67e-04
1555	209	1.68	0.37	0.12	-2.10e-04	0.0	-1.89e-04
1555	232	-0.40	3.26	-0.04	-1.93e-03	0.0	-1.92e-04
1556	4	0.02	0.65	-0.01	-5.48e-05	0.0	-2.11e-04
1556	18	0.02	1.06	-0.01	-9.03e-05	0.0	-3.64e-04

1556	28	0.02	-0.42	-0.01	9.75e-05	0.0	1.28e-04
1556	68	0.01	0.44	-9.17e-03	-3.66e-05	0.0	-1.40e-04
1556	75	0.01	0.71	-9.00e-03	-6.03e-05	0.0	-2.42e-04
1556	80	0.01	-0.28	-9.35e-03	6.49e-05	0.0	8.63e-05
1556	98	9.81e-03	0.02	-9.20e-03	0.0	0.0	9.35e-06
1556	103	9.72e-03	0.16	-9.13e-03	-1.27e-05	0.0	-4.13e-05
1556	107	9.36e-03	0.02	-9.17e-03	0.0	0.0	9.02e-06
1556	108	1.87	1.95	0.09	-8.95e-04	0.0	-2.35e-04
1556	111	-1.85	-1.91	-0.11	8.94e-04	0.0	2.53e-04
1556	136	-0.42	3.15	-0.03	-1.44e-03	0.0	-1.62e-04
1556	140	2.10	2.20	0.10	-1.01e-03	0.0	-2.66e-04
1556	143	-2.08	-2.16	-0.12	1.01e-03	0.0	2.84e-04
1556	168	-0.48	3.54	-0.03	-1.63e-03	0.0	-1.84e-04
1556	175	-2.00	-2.13	-0.11	9.94e-04	0.0	2.82e-04
1556	177	2.02	0.40	0.10	-1.73e-04	0.0	-2.02e-04
1556	200	-0.48	3.53	-0.03	-1.62e-03	0.0	-1.87e-04
1556	207	-2.30	-2.49	-0.13	1.16e-03	0.0	3.29e-04
1556	209	2.32	0.47	0.11	-2.06e-04	0.0	-2.37e-04
1556	232	-0.56	4.13	-0.04	-1.90e-03	0.0	-2.25e-04
1557	4	0.02	0.47	-0.08	-9.11e-05	0.0	-8.33e-05
1557	18	0.01	0.75	-0.07	-1.53e-04	0.0	-1.49e-04
1557	28	0.01	-0.34	-0.09	1.21e-04	0.0	6.18e-05
1557	68	0.01	0.32	-0.06	-6.06e-05	0.0	-5.49e-05
1557	75	0.01	0.50	-0.05	-1.02e-04	0.0	-9.89e-05
1557	80	9.29e-03	-0.22	-0.07	8.10e-05	0.0	4.18e-05
1557	98	7.61e-03	0.03	-0.05	1.16e-06	0.0	8.37e-06
1557	103	7.68e-03	0.13	-0.05	-1.95e-05	0.0	-1.35e-05
1557	107	7.22e-03	0.03	-0.05	1.14e-06	0.0	8.06e-06
1557	108	2.11	2.04	-0.04	-7.97e-04	0.0	-2.17e-04
1557	136	-0.48	3.62	-0.02	-1.43e-03	0.0	-1.68e-04
1557	139	0.50	-3.56	-0.08	1.43e-03	0.0	1.84e-04
1557	140	2.38	2.29	-0.04	-8.97e-04	0.0	-2.46e-04
1557	168	-0.54	4.07	-0.02	-1.61e-03	0.0	-1.91e-04
1557	171	0.56	-4.01	-0.08	1.61e-03	0.0	2.07e-04
1557	172	2.28	2.26	-0.04	-8.86e-04	0.0	-2.44e-04
1557	200	-0.54	4.04	-0.02	-1.59e-03	0.0	-1.94e-04
1557	203	0.56	-3.98	-0.08	1.60e-03	0.0	2.10e-04
1557	204	2.63	2.64	-0.03	-1.03e-03	0.0	-2.87e-04
1557	232	-0.63	4.72	-0.02	-1.87e-03	0.0	-2.34e-04
1557	235	0.64	-4.66	-0.09	1.87e-03	0.0	2.50e-04
1558	18	0.01	0.80	-0.09	-1.10e-04	0.0	-7.69e-05
1558	28	0.01	-0.39	-0.11	1.23e-04	0.0	4.27e-05
1558	75	9.56e-03	0.54	-0.06	-7.29e-05	0.0	-5.06e-05
1558	80	7.46e-03	-0.26	-0.08	8.25e-05	0.0	2.91e-05
1558	98	6.21e-03	0.03	-0.07	7.87e-06	0.0	9.69e-06
1558	103	6.45e-03	0.13	-0.06	-8.60e-06	0.0	-2.82e-06
1558	107	5.88e-03	0.03	-0.06	7.59e-06	0.0	9.32e-06
1558	108	2.35	2.38	-0.05	-7.90e-04	0.0	-2.49e-04
1558	136	-0.53	4.24	-0.04	-1.42e-03	0.0	-1.88e-04
1558	139	0.55	-4.18	-0.09	1.43e-03	0.0	2.06e-04
1558	140	2.64	2.68	-0.05	-8.90e-04	0.0	-2.81e-04
1558	168	-0.60	4.77	-0.03	-1.60e-03	0.0	-2.13e-04
1558	171	0.62	-4.71	-0.09	1.61e-03	0.0	2.32e-04
1558	172	2.53	2.65	-0.05	-8.79e-04	0.0	-2.79e-04
1558	200	-0.60	4.73	-0.04	-1.59e-03	0.0	-2.17e-04
1558	203	0.62	-4.67	-0.09	1.60e-03	0.0	2.35e-04
1558	204	2.92	3.08	-0.05	-1.03e-03	0.0	-3.29e-04
1558	232	-0.70	5.53	-0.03	-1.86e-03	0.0	-2.61e-04
1558	235	0.71	-5.47	-0.09	1.87e-03	0.0	2.80e-04
1559	18	0.01	0.83	-0.12	-8.27e-05	0.0	-3.85e-06
1559	28	9.50e-03	-0.44	-0.15	1.26e-04	0.0	1.97e-05
1559	75	9.62e-03	0.55	-0.08	-5.42e-05	0.0	-1.88e-06
1559	80	6.61e-03	-0.29	-0.11	8.49e-05	0.0	1.38e-05
1559	98	5.63e-03	0.02	-0.09	1.31e-05	0.0	9.35e-06
1559	103	6.02e-03	0.13	-0.08	0.0	0.0	6.67e-06
1559	107	5.32e-03	0.02	-0.08	1.26e-05	0.0	9.00e-06
1559	108	2.58	2.72	-0.07	-7.84e-04	0.0	-2.75e-04
1559	136	-0.59	4.85	-0.07	-1.41e-03	0.0	-2.08e-04
1559	139	0.60	-4.80	-0.10	1.44e-03	0.0	2.26e-04
1559	140	2.90	3.06	-0.07	-8.85e-04	0.0	-3.11e-04
1559	168	-0.66	5.45	-0.06	-1.59e-03	0.0	-2.36e-04
1559	171	0.67	-5.41	-0.10	1.61e-03	0.0	2.54e-04
1559	172	2.78	3.02	-0.07	-8.74e-04	0.0	-3.09e-04
1559	200	-0.66	5.42	-0.06	-1.58e-03	0.0	-2.39e-04
1559	203	0.67	-5.37	-0.10	1.60e-03	0.0	2.57e-04

1559	204	3.20	3.52	-0.07	-1.02e-03	0.0	-3.64e-04
1559	232	-0.76	6.33	-0.06	-1.85e-03	0.0	-2.88e-04
1559	235	0.78	-6.28	-0.11	1.87e-03	0.0	3.06e-04
1560	4	0.02	0.55	-0.02	-2.57e-05	0.0	-1.26e-04
1560	18	0.02	0.88	-0.02	-4.56e-05	0.0	-2.23e-04
1560	28	0.01	-0.39	-0.02	9.14e-05	0.0	8.88e-05
1560	68	0.01	0.37	-0.01	-1.70e-05	0.0	-8.29e-05
1560	75	0.01	0.59	-0.01	-3.03e-05	0.0	-1.48e-04
1560	80	0.01	-0.26	-0.01	6.11e-05	0.0	6.00e-05
1560	98	8.27e-03	0.03	-0.01	2.38e-06	0.0	1.07e-05
1560	103	8.30e-03	0.14	-0.01	-4.23e-06	0.0	-2.14e-05
1560	107	7.85e-03	0.03	-0.01	2.30e-06	0.0	1.03e-05
1560	108	2.12	2.19	-5.54e-04	-8.41e-04	0.0	-2.72e-04
1560	111	-2.10	-2.14	-0.02	8.46e-04	0.0	2.93e-04
1560	136	-0.48	3.69	-6.17e-03	-1.42e-03	0.0	-1.71e-04
1560	140	2.38	2.46	8.54e-04	-9.47e-04	0.0	-3.08e-04
1560	143	-2.36	-2.41	-0.02	9.52e-04	0.0	3.29e-04
1560	168	-0.54	4.15	-5.48e-03	-1.60e-03	0.0	-1.95e-04
1560	172	2.28	2.43	4.00e-04	-9.36e-04	0.0	-3.07e-04
1560	175	-2.27	-2.38	-0.02	9.40e-04	0.0	3.27e-04
1560	200	-0.54	4.13	-5.81e-03	-1.59e-03	0.0	-1.98e-04
1560	204	2.63	2.83	2.28e-03	-1.09e-03	0.0	-3.62e-04
1560	207	-2.61	-2.78	-0.03	1.10e-03	0.0	3.83e-04
1560	232	-0.63	4.83	-4.88e-03	-1.87e-03	0.0	-2.39e-04
1561	18	0.01	0.87	-0.02	3.22e-05	0.0	-1.13e-04
1561	28	0.01	-0.42	-0.02	7.71e-05	0.0	5.53e-05
1561	75	0.01	0.58	-0.01	2.19e-05	0.0	-7.45e-05
1561	80	8.25e-03	-0.28	-0.02	5.19e-05	0.0	3.77e-05
1561	98	6.87e-03	0.02	-0.01	6.62e-06	0.0	1.06e-05
1561	103	7.08e-03	0.13	-0.01	9.42e-06	0.0	-6.90e-06
1561	107	6.51e-03	0.02	-0.01	6.39e-06	0.0	1.02e-05
1561	108	2.35	2.55	9.46e-04	-8.32e-04	0.0	-2.49e-04
1561	111	-2.33	-2.50	-0.03	8.45e-04	0.0	2.70e-04
1561	136	-0.53	4.30	-6.53e-03	-1.41e-03	0.0	-1.88e-04
1561	140	2.64	2.87	2.70e-03	-9.38e-04	0.0	-2.82e-04
1561	143	-2.62	-2.82	-0.03	9.51e-04	0.0	3.03e-04
1561	168	-0.60	4.84	-5.73e-03	-1.59e-03	0.0	-2.14e-04
1561	172	2.53	2.83	2.15e-03	-9.27e-04	0.0	-2.80e-04
1561	175	-2.52	-2.78	-0.03	9.40e-04	0.0	3.01e-04
1561	200	-0.60	4.81	-6.15e-03	-1.58e-03	0.0	-2.18e-04
1561	204	2.92	3.30	4.51e-03	-1.08e-03	0.0	-3.30e-04
1561	207	-2.90	-3.25	-0.03	1.10e-03	0.0	3.50e-04
1561	232	-0.70	5.63	-5.08e-03	-1.85e-03	0.0	-2.63e-04
1562	18	0.01	0.82	-0.02	7.66e-05	0.0	-6.98e-06
1562	28	8.54e-03	-0.45	-0.03	6.97e-05	0.0	1.91e-05
1562	75	9.20e-03	0.55	-0.02	5.18e-05	0.0	-4.01e-06
1562	80	5.93e-03	-0.30	-0.02	4.71e-05	0.0	1.34e-05
1562	98	5.11e-03	0.02	-0.02	9.41e-06	0.0	8.68e-06
1562	103	5.54e-03	0.12	-0.02	1.75e-05	0.0	5.75e-06
1562	107	4.81e-03	0.02	-0.02	9.08e-06	0.0	8.36e-06
1562	108	2.58	2.91	-9.21e-04	-8.28e-04	0.0	-2.77e-04
1562	111	-2.57	-2.87	-0.03	8.46e-04	0.0	2.93e-04
1562	136	-0.59	4.91	-9.70e-03	-1.40e-03	0.0	-2.09e-04
1562	140	2.90	3.27	9.93e-04	-9.33e-04	0.0	-3.12e-04
1562	143	-2.89	-3.23	-0.03	9.51e-04	0.0	3.29e-04
1562	168	-0.66	5.53	-8.91e-03	-1.58e-03	0.0	-2.37e-04
1562	172	2.78	3.23	4.40e-04	-9.22e-04	0.0	-3.10e-04
1562	175	-2.77	-3.19	-0.03	9.40e-04	0.0	3.27e-04
1562	200	-0.66	5.49	-9.36e-03	-1.57e-03	0.0	-2.41e-04
1562	204	3.20	3.77	3.04e-03	-1.08e-03	0.0	-3.65e-04
1562	207	-3.19	-3.73	-0.04	1.10e-03	0.0	3.82e-04
1562	232	-0.76	6.43	-8.30e-03	-1.84e-03	0.0	-2.89e-04
1563	4	0.02	0.63	-0.01	5.04e-05	0.0	-1.43e-04
1563	18	0.02	1.03	-0.01	8.12e-05	0.0	-2.52e-04
1563	28	0.02	-0.45	-0.01	5.29e-05	0.0	9.84e-05
1563	68	0.01	0.42	-0.01	3.38e-05	0.0	-9.44e-05
1563	75	0.01	0.69	-9.95e-03	5.43e-05	0.0	-1.67e-04
1563	80	0.01	-0.30	-0.01	3.54e-05	0.0	6.65e-05
1563	98	9.77e-03	0.02	-0.01	2.38e-06	0.0	1.12e-05
1563	103	9.72e-03	0.15	-0.01	1.27e-05	0.0	-2.50e-05
1563	107	9.28e-03	0.02	-0.01	2.30e-06	0.0	1.08e-05
1563	108	2.12	2.34	0.08	-8.81e-04	0.0	-2.73e-04
1563	111	-2.10	-2.30	-0.10	8.85e-04	0.0	2.94e-04
1563	136	-0.48	3.77	-0.03	-1.42e-03	0.0	-1.73e-04
1563	140	2.38	2.63	0.09	-9.92e-04	0.0	-3.09e-04

1563	143	-2.36	-2.59	-0.11	9.96e-04	0.0	3.30e-04
1563	168	-0.54	4.24	-0.03	-1.60e-03	0.0	-1.96e-04
1563	172	2.29	2.60	0.09	-9.80e-04	0.0	-3.07e-04
1563	178	-2.27	-0.43	-0.11	1.75e-04	0.0	2.62e-04
1563	200	-0.54	4.22	-0.03	-1.59e-03	0.0	-2.00e-04
1563	204	2.63	3.03	0.10	-1.15e-03	0.0	-3.63e-04
1563	210	-2.61	-0.52	-0.12	2.08e-04	0.0	3.05e-04
1563	232	-0.63	4.94	-0.04	-1.86e-03	0.0	-2.41e-04
1564	4	0.02	0.58	-0.01	1.15e-04	0.0	-6.52e-05
1564	18	0.02	0.94	-0.01	1.86e-04	0.0	-1.22e-04
1564	28	0.01	-0.46	-0.01	2.43e-05	0.0	5.77e-05
1564	68	0.01	0.39	-0.01	7.67e-05	0.0	-4.27e-05
1564	75	0.01	0.63	-0.01	1.25e-04	0.0	-8.04e-05
1564	80	9.27e-03	-0.30	-0.01	1.65e-05	0.0	3.92e-05
1564	98	7.73e-03	0.02	-0.01	3.79e-06	0.0	1.05e-05
1564	103	7.91e-03	0.14	-0.01	2.78e-05	0.0	-8.15e-06
1564	107	7.32e-03	0.02	-0.01	3.66e-06	0.0	1.01e-05
1564	108	2.35	2.72	0.08	-8.72e-04	0.0	-2.50e-04
1564	114	-2.33	-0.45	-0.10	1.56e-04	0.0	2.69e-04
1564	136	-0.53	4.37	-0.03	-1.40e-03	0.0	-1.89e-04
1564	140	2.64	3.06	0.09	-9.82e-04	0.0	-2.83e-04
1564	146	-2.62	-0.51	-0.11	1.75e-04	0.0	3.02e-04
1564	168	-0.60	4.92	-0.03	-1.58e-03	0.0	-2.14e-04
1564	172	2.53	3.02	0.08	-9.71e-04	0.0	-2.81e-04
1564	178	-2.52	-0.51	-0.10	1.76e-04	0.0	3.00e-04
1564	200	-0.60	4.90	-0.03	-1.57e-03	0.0	-2.18e-04
1564	204	2.92	3.52	0.10	-1.13e-03	0.0	-3.31e-04
1564	210	-2.90	-0.61	-0.12	2.09e-04	0.0	3.50e-04
1564	232	-0.70	5.73	-0.04	-1.84e-03	0.0	-2.63e-04
1565	18	0.01	0.81	-0.01	2.60e-04	0.0	7.65e-06
1565	28	7.49e-03	-0.45	-0.02	2.80e-06	0.0	9.90e-06
1565	75	8.82e-03	0.54	-0.01	1.74e-04	0.0	5.59e-06
1565	80	5.18e-03	-0.30	-0.01	2.18e-06	0.0	7.09e-06
1565	98	4.57e-03	0.02	-0.01	4.09e-06	0.0	6.55e-06
1565	103	5.06e-03	0.12	-0.01	3.79e-05	0.0	6.05e-06
1565	107	4.30e-03	0.02	-0.01	3.95e-06	0.0	6.30e-06
1565	108	2.58	3.09	0.07	-8.70e-04	0.0	-2.79e-04
1565	114	-2.56	-0.52	-0.10	1.58e-04	0.0	2.93e-04
1565	136	-0.59	4.97	-0.03	-1.39e-03	0.0	-2.11e-04
1565	140	2.90	3.48	0.09	-9.80e-04	0.0	-3.15e-04
1565	146	-2.88	-0.59	-0.11	1.78e-04	0.0	3.30e-04
1565	168	-0.66	5.60	-0.03	-1.57e-03	0.0	-2.40e-04
1565	172	2.78	3.44	0.08	-9.69e-04	0.0	-3.13e-04
1565	178	-2.77	-0.59	-0.10	1.79e-04	0.0	3.28e-04
1565	200	-0.66	5.57	-0.03	-1.56e-03	0.0	-2.43e-04
1565	204	3.20	4.01	0.10	-1.13e-03	0.0	-3.68e-04
1565	210	-3.19	-0.70	-0.12	2.12e-04	0.0	3.83e-04
1565	232	-0.76	6.52	-0.04	-1.83e-03	0.0	-2.92e-04
1566	18	3.19e-03	0.39	-9.79e-04	-9.57e-04	0.0	-1.36e-04
1566	28	4.18e-03	-0.13	-1.03e-03	3.33e-04	0.0	4.59e-05
1566	75	2.26e-03	0.26	-7.51e-04	-6.39e-04	0.0	-9.03e-05
1566	80	2.92e-03	-0.09	-7.83e-04	2.21e-04	0.0	3.08e-05
1566	98	2.26e-03	4.86e-03	-7.68e-04	-1.21e-05	0.0	2.53e-06
1566	103	2.12e-03	0.06	-7.62e-04	-1.37e-04	0.0	-1.61e-05
1566	107	2.15e-03	4.69e-03	-7.66e-04	-1.17e-05	0.0	2.44e-06
1566	113	0.22	0.09	-4.30e-03	-2.17e-04	0.0	-3.46e-05
1566	136	-0.05	0.62	8.26e-05	-1.56e-03	0.0	-3.70e-05
1566	145	0.24	0.10	-4.74e-03	-2.44e-04	0.0	-3.93e-05
1566	168	-0.06	0.70	1.90e-04	-1.76e-03	0.0	-4.20e-05
1566	177	0.23	0.10	-4.58e-03	-2.43e-04	0.0	-3.90e-05
1566	200	-0.06	0.70	1.92e-04	-1.75e-03	0.0	-4.19e-05
1566	209	0.27	0.11	-5.16e-03	-2.86e-04	0.0	-4.61e-05
1566	232	-0.07	0.82	3.41e-04	-2.05e-03	0.0	-5.03e-05
1567	1	0.0	0.0	0.0	-5.77e-04	0.0	-1.41e-05
1567	65	0.0	0.0	0.0	-3.86e-04	0.0	-9.37e-06
1567	97	0.0	0.0	0.0	-9.21e-06	0.0	0.0
1567	106	0.0	0.0	0.0	-9.21e-06	0.0	0.0
1567	108	0.0	0.0	0.0	-9.98e-04	0.0	-4.04e-06
1567	140	0.0	0.0	0.0	-1.12e-03	0.0	-4.61e-06
1567	172	0.0	0.0	0.0	-1.11e-03	0.0	-4.56e-06
1567	204	0.0	0.0	0.0	-1.29e-03	0.0	-5.42e-06
1568	18	5.46e-03	0.77	-1.37e-03	-9.58e-04	0.0	-2.67e-04
1568	28	6.82e-03	-0.27	-1.44e-03	3.33e-04	0.0	8.91e-05
1568	75	3.87e-03	0.51	-1.05e-03	-6.39e-04	0.0	-1.78e-04
1568	80	4.78e-03	-0.18	-1.10e-03	2.21e-04	0.0	5.97e-05

1568	98	3.76e-03	9.70e-03	-1.08e-03	-1.21e-05	0.0	4.40e-06
1568	103	3.57e-03	0.11	-1.07e-03	-1.37e-04	0.0	-3.22e-05
1568	107	3.58e-03	9.36e-03	-1.08e-03	-1.17e-05	0.0	4.24e-06
1568	113	0.40	0.17	-9.56e-03	-2.17e-04	0.0	-6.64e-05
1568	136	-0.09	1.25	9.23e-04	-1.56e-03	0.0	-7.32e-05
1568	145	0.45	0.20	-0.01	-2.44e-04	0.0	-7.53e-05
1568	168	-0.11	1.40	1.18e-03	-1.76e-03	0.0	-8.30e-05
1568	177	0.43	0.20	-0.01	-2.43e-04	0.0	-7.49e-05
1568	200	-0.11	1.40	1.18e-03	-1.75e-03	0.0	-8.27e-05
1568	209	0.50	0.23	-0.01	-2.86e-04	0.0	-8.84e-05
1568	232	-0.12	1.64	1.53e-03	-2.05e-03	0.0	-9.90e-05
1569	18	4.20e-03	0.71	-0.65	0.0	0.0	-3.41e-06
1569	28	9.67e-03	-0.34	-0.85	0.0	2.63e-06	-4.68e-06
1569	52	0.01	0.08	-0.82	0.0	3.19e-06	-4.67e-06
1569	75	2.82e-03	0.47	-0.46	0.0	0.0	-2.46e-06
1569	80	6.47e-03	-0.22	-0.59	0.0	1.72e-06	-3.31e-06
1569	92	7.58e-03	0.06	-0.57	0.0	2.09e-06	-3.30e-06
1569	98	5.82e-03	0.05	-0.47	0.0	1.54e-06	-2.79e-06
1569	103	4.66e-03	0.13	-0.44	0.0	1.12e-06	-2.57e-06
1569	107	5.29e-03	0.04	-0.45	0.0	1.36e-06	-2.67e-06
1569	112	5.28	1.95	-0.29	0.0	1.88e-03	-2.36e-04
1569	136	3.00	3.55	-0.14	0.0	1.06e-03	-1.51e-04
1569	139	-2.99	-3.47	-0.76	0.0	-1.06e-03	1.46e-04
1569	144	5.95	2.19	-0.27	0.0	2.12e-03	-2.65e-04
1569	168	3.39	4.00	-0.10	0.0	1.20e-03	-1.71e-04
1569	171	-3.38	-3.91	-0.80	0.0	-1.20e-03	1.65e-04
1569	176	5.99	2.17	-0.27	0.0	2.13e-03	-2.63e-04
1569	200	3.48	3.96	-0.10	0.0	1.23e-03	-1.73e-04
1569	203	-3.47	-3.88	-0.79	0.0	-1.23e-03	1.68e-04
1569	208	7.07	2.53	-0.25	0.0	2.52e-03	-3.08e-04
1569	232	4.17	4.63	-0.04	0.0	1.47e-03	-2.06e-04
1569	235	-4.16	-4.54	-0.85	0.0	-1.47e-03	2.01e-04
1570	18	3.63e-03	0.44	-6.50e-04	-1.10e-03	0.0	-1.12e-04
1570	28	4.89e-03	-0.15	-6.61e-04	3.83e-04	0.0	3.86e-05
1570	75	2.57e-03	0.30	-4.99e-04	-7.37e-04	0.0	-7.43e-05
1570	80	3.41e-03	-0.10	-5.07e-04	2.55e-04	0.0	2.59e-05
1570	98	2.64e-03	3.75e-03	-5.01e-04	-9.37e-06	0.0	2.48e-06
1570	103	2.47e-03	0.06	-5.00e-04	-1.54e-04	0.0	-1.30e-05
1570	107	2.51e-03	3.62e-03	-5.01e-04	-9.05e-06	0.0	2.39e-06
1570	111	-0.21	-0.41	-7.87e-04	1.03e-03	0.0	5.23e-05
1570	113	0.22	0.10	-2.19e-04	-2.59e-04	0.0	-3.50e-05
1570	136	-0.05	0.64	-5.57e-04	-1.59e-03	0.0	-3.57e-05
1570	143	-0.24	-0.47	-8.23e-04	1.16e-03	0.0	5.86e-05
1570	145	0.24	0.12	-1.84e-04	-2.92e-04	0.0	-3.97e-05
1570	168	-0.06	0.72	-5.64e-04	-1.79e-03	0.0	-4.05e-05
1570	175	-0.23	-0.46	-8.11e-04	1.15e-03	0.0	5.81e-05
1570	177	0.23	0.12	-1.96e-04	-2.91e-04	0.0	-3.94e-05
1570	200	-0.06	0.71	-5.64e-04	-1.79e-03	0.0	-4.06e-05
1570	207	-0.26	-0.54	-8.59e-04	1.34e-03	0.0	6.76e-05
1570	209	0.27	0.14	-1.49e-04	-3.41e-04	0.0	-4.65e-05
1570	232	-0.07	0.84	-5.73e-04	-2.09e-03	0.0	-4.87e-05
1571	1	0.0	0.0	0.0	-6.64e-04	0.0	-1.27e-05
1571	65	0.0	0.0	0.0	-4.43e-04	0.0	-8.41e-06
1571	97	0.0	0.0	0.0	-7.16e-06	0.0	0.0
1571	106	0.0	0.0	0.0	-7.16e-06	0.0	0.0
1571	108	0.0	0.0	0.0	-1.05e-03	0.0	-4.11e-06
1571	140	0.0	0.0	0.0	-1.18e-03	0.0	-4.69e-06
1571	172	0.0	0.0	0.0	-1.17e-03	0.0	-4.64e-06
1571	204	0.0	0.0	0.0	-1.36e-03	0.0	-5.51e-06
1572	18	5.97e-03	0.89	-8.59e-04	-1.11e-03	0.0	-1.99e-04
1572	28	7.83e-03	-0.31	-8.74e-04	3.84e-04	0.0	6.87e-05
1572	75	4.23e-03	0.59	-6.59e-04	-7.39e-04	0.0	-1.32e-04
1572	80	5.47e-03	-0.20	-6.69e-04	2.55e-04	0.0	4.61e-05
1572	98	4.26e-03	7.50e-03	-6.62e-04	-9.37e-06	0.0	4.43e-06
1572	103	4.00e-03	0.12	-6.60e-04	-1.55e-04	0.0	-2.31e-05
1572	107	4.05e-03	7.24e-03	-6.61e-04	-9.05e-06	0.0	4.28e-06
1572	111	-0.37	-0.83	-1.03e-03	1.03e-03	0.0	9.94e-05
1572	113	0.38	0.21	-3.02e-04	-2.60e-04	0.0	-6.70e-05
1572	136	-0.09	1.28	-7.34e-04	-1.59e-03	0.0	-6.81e-05
1572	143	-0.42	-0.93	-1.07e-03	1.16e-03	0.0	1.11e-04
1572	145	0.43	0.23	-2.57e-04	-2.92e-04	0.0	-7.61e-05
1572	168	-0.10	1.44	-7.43e-04	-1.79e-03	0.0	-7.73e-05
1572	175	-0.40	-0.92	-1.06e-03	1.15e-03	0.0	1.10e-04
1572	177	0.41	0.23	-2.72e-04	-2.91e-04	0.0	-7.54e-05
1572	200	-0.10	1.43	-7.43e-04	-1.79e-03	0.0	-7.74e-05

1572	207	-0.46	-1.07	-1.12e-03	1.34e-03	0.0	1.29e-04
1572	209	0.47	0.27	-2.13e-04	-3.41e-04	0.0	-8.90e-05
1572	232	-0.12	1.67	-7.55e-04	-2.09e-03	0.0	-9.29e-05
1573	18	3.89e-03	0.62	-0.47	0.0	1.07e-06	-2.44e-06
1573	28	8.48e-03	-0.29	-0.65	0.0	3.17e-06	-3.47e-06
1573	52	9.91e-03	0.08	-0.62	0.0	3.77e-06	-3.43e-06
1573	75	2.63e-03	0.41	-0.33	0.0	0.0	-1.77e-06
1573	80	5.69e-03	-0.19	-0.45	0.0	2.10e-06	-2.45e-06
1573	92	6.64e-03	0.06	-0.43	0.0	2.49e-06	-2.42e-06
1573	98	5.12e-03	0.04	-0.36	0.0	1.88e-06	-2.04e-06
1573	103	4.14e-03	0.11	-0.33	0.0	1.45e-06	-1.88e-06
1573	107	4.67e-03	0.04	-0.34	0.0	1.69e-06	-1.95e-06
1573	112	4.46	1.61	-0.18	0.0	1.95e-03	-1.62e-04
1573	136	2.53	2.93	-0.03	0.0	1.10e-03	-1.08e-04
1573	139	-2.52	-2.85	-0.65	0.0	-1.10e-03	1.04e-04
1573	144	5.02	1.81	-0.16	0.0	2.20e-03	-1.82e-04
1573	168	2.86	3.29	0.01	0.0	1.25e-03	-1.21e-04
1573	171	-2.86	-3.21	-0.69	0.0	-1.24e-03	1.17e-04
1573	176	5.06	1.79	-0.16	0.0	2.21e-03	-1.79e-04
1573	200	2.94	3.27	9.19e-03	0.0	1.28e-03	-1.22e-04
1573	203	-2.93	-3.18	-0.68	0.0	-1.28e-03	1.18e-04
1573	208	5.97	2.09	-0.13	0.0	2.61e-03	-2.09e-04
1573	232	3.52	3.81	0.07	0.0	1.53e-03	-1.45e-04
1573	235	-3.51	-3.73	-0.74	0.0	-1.53e-03	1.41e-04
1574	18	4.18e-03	0.49	-1.03e-03	-1.20e-03	0.0	-8.99e-05
1574	28	5.77e-03	-0.17	-1.05e-03	4.17e-04	0.0	3.20e-05
1574	75	2.97e-03	0.32	-7.82e-04	-8.00e-04	0.0	-5.97e-05
1574	80	4.03e-03	-0.11	-7.96e-04	2.78e-04	0.0	2.15e-05
1574	98	3.11e-03	2.64e-03	-7.79e-04	-6.65e-06	0.0	2.46e-06
1574	103	2.90e-03	0.07	-7.76e-04	-1.65e-04	0.0	-1.01e-05
1574	107	2.96e-03	2.55e-03	-7.76e-04	-6.44e-06	0.0	2.37e-06
1574	111	-0.21	-0.43	-4.89e-03	1.09e-03	3.58e-06	5.22e-05
1574	113	0.21	0.12	3.31e-03	-3.02e-04	-2.69e-06	-3.52e-05
1574	136	-0.05	0.65	-1.69e-03	-1.63e-03	-2.54e-06	-3.51e-05
1574	143	-0.23	-0.49	-5.40e-03	1.23e-03	4.03e-06	5.85e-05
1574	145	0.24	0.14	3.83e-03	-3.40e-04	-3.04e-06	-4.00e-05
1574	168	-0.06	0.73	-1.81e-03	-1.83e-03	-2.87e-06	-3.98e-05
1574	175	-0.22	-0.48	-5.22e-03	1.21e-03	3.99e-06	5.80e-05
1574	177	0.23	0.13	3.64e-03	-3.38e-04	-3.01e-06	-3.96e-05
1574	200	-0.06	0.73	-1.81e-03	-1.82e-03	-2.88e-06	-3.99e-05
1574	207	-0.26	-0.57	-5.90e-03	1.41e-03	4.67e-06	6.75e-05
1574	209	0.27	0.16	4.32e-03	-3.97e-04	-3.52e-06	-4.67e-05
1574	232	-0.07	0.86	-1.96e-03	-2.14e-03	-3.43e-06	-4.79e-05
1575	1	0.0	0.0	0.0	-7.23e-04	0.0	-1.14e-05
1575	65	0.0	0.0	0.0	-4.83e-04	0.0	-7.59e-06
1575	97	0.0	0.0	0.0	-5.11e-06	0.0	0.0
1575	106	0.0	0.0	0.0	-5.11e-06	0.0	0.0
1575	108	0.0	0.0	0.0	-1.10e-03	-3.57e-06	-4.04e-06
1575	140	0.0	0.0	0.0	-1.24e-03	-4.02e-06	-4.61e-06
1575	172	0.0	0.0	0.0	-1.22e-03	-3.98e-06	-4.56e-06
1575	204	0.0	0.0	0.0	-1.43e-03	-4.67e-06	-5.42e-06
1576	4	8.26e-03	0.58	-1.46e-03	-7.25e-04	0.0	-7.46e-05
1576	18	6.88e-03	0.96	-1.44e-03	-1.20e-03	0.0	-1.30e-04
1576	28	9.35e-03	-0.33	-1.45e-03	4.17e-04	0.0	4.81e-05
1576	68	5.79e-03	0.39	-1.11e-03	-4.84e-04	0.0	-4.94e-05
1576	75	4.88e-03	0.64	-1.10e-03	-8.01e-04	0.0	-8.62e-05
1576	80	6.52e-03	-0.22	-1.11e-03	2.78e-04	0.0	3.24e-05
1576	98	5.03e-03	5.29e-03	-1.09e-03	-6.65e-06	0.0	4.46e-06
1576	103	4.69e-03	0.13	-1.08e-03	-1.65e-04	0.0	-1.39e-05
1576	107	4.78e-03	5.11e-03	-1.08e-03	-6.43e-06	0.0	4.31e-06
1576	111	-0.36	-0.87	-0.01	1.09e-03	3.54e-06	9.85e-05
1576	113	0.37	0.24	8.45e-03	-3.02e-04	-2.70e-06	-6.76e-05
1576	136	-0.09	1.30	-3.24e-03	-1.63e-03	-2.47e-06	-6.42e-05
1576	143	-0.41	-0.98	-0.01	1.23e-03	3.99e-06	1.10e-04
1576	145	0.42	0.27	9.65e-03	-3.40e-04	-3.04e-06	-7.67e-05
1576	168	-0.10	1.46	-3.51e-03	-1.83e-03	-2.79e-06	-7.30e-05
1576	175	-0.39	-0.97	-0.01	1.21e-03	3.95e-06	1.09e-04
1576	177	0.40	0.27	9.22e-03	-3.38e-04	-3.01e-06	-7.59e-05
1576	200	-0.10	1.46	-3.51e-03	-1.82e-03	-2.80e-06	-7.32e-05
1576	207	-0.45	-1.13	-0.01	1.41e-03	4.62e-06	1.27e-04
1576	209	0.46	0.32	0.01	-3.97e-04	-3.53e-06	-8.95e-05
1576	232	-0.12	1.71	-3.88e-03	-2.14e-03	-3.34e-06	-8.80e-05
1577	18	3.22e-03	0.48	-0.32	0.0	1.59e-06	-1.57e-06
1577	28	6.71e-03	-0.23	-0.47	0.0	3.74e-06	-2.32e-06
1577	52	7.81e-03	0.07	-0.43	0.0	4.39e-06	-2.25e-06

1577	75	2.18e-03	0.33	-0.22	0.0	1.06e-06	-1.14e-06
1577	80	4.52e-03	-0.15	-0.33	0.0	2.50e-06	-1.63e-06
1577	92	5.25e-03	0.05	-0.30	0.0	2.93e-06	-1.59e-06
1577	98	4.06e-03	0.04	-0.25	0.0	2.25e-06	-1.34e-06
1577	103	3.31e-03	0.09	-0.23	0.0	1.79e-06	-1.23e-06
1577	107	3.72e-03	0.04	-0.24	0.0	2.04e-06	-1.29e-06
1577	112	3.41	1.20	-0.09	0.0	2.04e-03	7.04e-05
1577	136	1.94	2.18	0.05	0.0	1.16e-03	-6.77e-05
1577	139	-1.93	-2.10	-0.52	0.0	-1.16e-03	6.52e-05
1577	144	3.85	1.35	-0.07	0.0	2.30e-03	7.94e-05
1577	168	2.20	2.45	0.08	0.0	1.31e-03	-7.62e-05
1577	171	-2.19	-2.37	-0.55	0.0	-1.31e-03	7.36e-05
1577	176	3.87	1.34	-0.07	0.0	2.32e-03	7.64e-05
1577	200	2.25	2.43	0.08	0.0	1.35e-03	-7.54e-05
1577	203	-2.25	-2.35	-0.55	0.0	-1.34e-03	7.28e-05
1577	208	4.57	1.56	-0.05	0.0	2.74e-03	8.84e-05
1577	232	2.70	2.83	0.13	0.0	1.61e-03	-8.89e-05
1577	235	-2.69	-2.76	-0.60	0.0	-1.61e-03	8.63e-05
1578	4	0.02	0.70	-0.02	2.29e-04	0.0	-1.40e-04
1578	15	0.01	1.14	-0.02	3.78e-04	0.0	-2.45e-04
1578	18	0.02	1.15	-0.02	3.79e-04	0.0	-2.42e-04
1578	68	0.01	0.47	-0.02	1.53e-04	0.0	-9.26e-05
1578	72	9.42e-03	0.76	-0.02	2.52e-04	0.0	-1.63e-04
1578	75	0.01	0.77	-0.02	2.53e-04	0.0	-1.61e-04
1578	98	0.01	0.02	-0.02	2.65e-06	0.0	7.30e-06
1578	102	7.70e-03	0.16	-0.02	5.20e-05	0.0	-2.82e-05
1578	103	0.01	0.17	-0.02	5.26e-05	0.0	-2.66e-05
1578	106	7.26e-03	0.01	-0.02	2.01e-06	0.0	5.44e-06
1578	107	0.01	0.02	-0.02	2.56e-06	0.0	7.03e-06
1578	108	2.11	2.46	0.04	-8.99e-04	0.0	-2.86e-04
1578	114	-2.09	-0.50	-0.08	1.92e-04	0.0	2.40e-04
1578	136	-0.48	3.82	-0.03	-1.39e-03	0.0	-1.79e-04
1578	140	2.38	2.76	0.05	-1.01e-03	0.0	-3.23e-04
1578	146	-2.36	-0.56	-0.09	2.17e-04	0.0	2.70e-04
1578	168	-0.54	4.30	-0.04	-1.57e-03	0.0	-2.04e-04
1578	172	2.28	2.73	0.05	-1.00e-03	0.0	-3.21e-04
1578	178	-2.26	-0.56	-0.08	2.17e-04	0.0	2.68e-04
1578	200	-0.54	4.28	-0.04	-1.56e-03	0.0	-2.07e-04
1578	204	2.63	3.18	0.06	-1.17e-03	0.0	-3.79e-04
1578	210	-2.60	-0.67	-0.09	2.57e-04	0.0	3.12e-04
1578	232	-0.63	5.02	-0.04	-1.83e-03	0.0	-2.48e-04
1579	4	0.02	0.80	-0.02	2.28e-04	0.0	-2.32e-04
1579	15	0.01	1.30	-0.02	3.76e-04	0.0	-4.00e-04
1579	18	0.02	1.31	-0.02	3.77e-04	0.0	-3.97e-04
1579	68	0.02	0.53	-0.02	1.52e-04	0.0	-1.54e-04
1579	72	0.01	0.87	-0.02	2.51e-04	0.0	-2.66e-04
1579	75	0.01	0.87	-0.02	2.52e-04	0.0	-2.64e-04
1579	98	0.01	0.02	-0.02	2.62e-06	0.0	7.90e-06
1579	102	8.58e-03	0.18	-0.02	5.18e-05	0.0	-4.85e-05
1579	103	0.01	0.19	-0.02	5.23e-05	0.0	-4.68e-05
1579	106	8.23e-03	0.01	-0.02	1.98e-06	0.0	5.90e-06
1579	107	0.01	0.02	-0.02	2.52e-06	0.0	7.61e-06
1579	113	1.91	0.45	0.04	-1.87e-04	0.0	-2.00e-04
1579	114	-1.89	-0.41	-0.08	1.92e-04	0.0	2.15e-04
1579	136	-0.43	3.22	-0.03	-1.39e-03	0.0	-1.78e-04
1579	145	2.15	0.50	0.05	-2.12e-04	0.0	-2.26e-04
1579	146	-2.13	-0.47	-0.09	2.17e-04	0.0	2.41e-04
1579	168	-0.49	3.62	-0.04	-1.57e-03	0.0	-2.02e-04
1579	177	2.06	0.50	0.05	-2.12e-04	0.0	-2.24e-04
1579	178	-2.04	-0.47	-0.08	2.17e-04	0.0	2.40e-04
1579	200	-0.49	3.61	-0.04	-1.56e-03	0.0	-2.04e-04
1579	209	2.38	0.59	0.06	-2.52e-04	0.0	-2.64e-04
1579	210	-2.35	-0.55	-0.09	2.57e-04	0.0	2.79e-04
1579	232	-0.57	4.22	-0.04	-1.83e-03	0.0	-2.45e-04
1580	4	0.02	0.60	-0.02	2.38e-04	0.0	-5.94e-05
1580	15	0.01	0.98	-0.02	3.93e-04	0.0	-1.09e-04
1580	18	0.02	0.99	-0.02	3.94e-04	0.0	-1.07e-04
1580	68	0.01	0.40	-0.02	1.59e-04	0.0	-3.91e-05
1580	72	8.21e-03	0.66	-0.02	2.62e-04	0.0	-7.24e-05
1580	75	0.01	0.66	-0.02	2.63e-04	0.0	-7.06e-05
1580	102	5.87e-03	0.14	-0.02	5.41e-05	0.0	-1.09e-05
1580	103	8.52e-03	0.14	-0.02	5.47e-05	0.0	-9.54e-06
1580	106	5.29e-03	0.01	-0.02	2.11e-06	0.0	4.50e-06
1580	107	7.94e-03	0.02	-0.02	2.68e-06	0.0	5.85e-06
1580	108	2.35	2.84	0.04	-8.97e-04	0.0	-2.56e-04

1580	114	-2.33	-0.58	-0.08	1.92e-04	0.0	2.68e-04
1580	136	-0.53	4.42	-0.03	-1.39e-03	0.0	-1.94e-04
1580	140	2.64	3.20	0.05	-1.01e-03	0.0	-2.90e-04
1580	146	-2.62	-0.66	-0.09	2.17e-04	0.0	3.01e-04
1580	168	-0.60	4.98	-0.04	-1.56e-03	0.0	-2.20e-04
1580	172	2.53	3.16	0.05	-9.99e-04	0.0	-2.87e-04
1580	178	-2.52	-0.66	-0.08	2.17e-04	0.0	2.99e-04
1580	200	-0.60	4.96	-0.04	-1.56e-03	0.0	-2.24e-04
1580	204	2.92	3.69	0.06	-1.17e-03	0.0	-3.38e-04
1580	210	-2.90	-0.78	-0.09	2.57e-04	0.0	3.49e-04
1580	232	-0.70	5.81	-0.04	-1.83e-03	0.0	-2.69e-04
1581	15	9.24e-03	0.80	-0.02	4.05e-04	0.0	-1.18e-05
1581	18	0.01	0.81	-0.02	4.06e-04	0.0	-9.46e-06
1581	72	6.33e-03	0.53	-0.02	2.70e-04	0.0	-7.51e-06
1581	75	8.61e-03	0.54	-0.02	2.71e-04	0.0	-5.95e-06
1581	102	3.21e-03	0.12	-0.02	5.58e-05	0.0	1.37e-06
1581	103	4.79e-03	0.12	-0.02	5.64e-05	0.0	2.51e-06
1581	106	2.43e-03	0.01	-0.02	2.20e-06	0.0	3.59e-06
1581	107	4.01e-03	0.01	-0.02	2.79e-06	0.0	4.73e-06
1581	108	2.57	3.23	0.04	-8.96e-04	0.0	-2.80e-04
1581	114	-2.56	-0.66	-0.08	1.93e-04	0.0	2.92e-04
1581	136	-0.59	5.02	-0.03	-1.39e-03	0.0	-2.13e-04
1581	140	2.90	3.64	0.05	-1.01e-03	0.0	-3.16e-04
1581	146	-2.88	-0.75	-0.09	2.17e-04	0.0	3.28e-04
1581	168	-0.66	5.66	-0.04	-1.56e-03	0.0	-2.41e-04
1581	172	2.78	3.59	0.05	-9.98e-04	0.0	-3.14e-04
1581	178	-2.77	-0.75	-0.08	2.18e-04	0.0	3.26e-04
1581	200	-0.66	5.63	-0.04	-1.56e-03	0.0	-2.45e-04
1581	204	3.20	4.19	0.06	-1.17e-03	0.0	-3.68e-04
1581	210	-3.19	-0.89	-0.09	2.58e-04	0.0	3.81e-04
1581	232	-0.76	6.60	-0.04	-1.82e-03	0.0	-2.93e-04
1582	4	0.02	0.77	-0.03	3.11e-04	0.0	-1.21e-04
1582	15	0.01	1.25	-0.03	5.16e-04	0.0	-2.14e-04
1582	18	0.02	1.26	-0.03	5.16e-04	0.0	-2.11e-04
1582	68	0.02	0.51	-0.02	2.07e-04	0.0	-8.03e-05
1582	72	9.91e-03	0.84	-0.02	3.44e-04	0.0	-1.42e-04
1582	75	0.01	0.84	-0.02	3.44e-04	0.0	-1.40e-04
1582	98	0.01	0.01	-0.02	1.44e-06	0.0	7.18e-06
1582	102	8.23e-03	0.18	-0.02	6.96e-05	0.0	-2.42e-05
1582	103	0.01	0.18	-0.02	6.99e-05	0.0	-2.26e-05
1582	106	7.81e-03	0.01	-0.02	1.07e-06	0.0	5.35e-06
1582	107	0.01	0.01	-0.02	1.39e-06	0.0	6.91e-06
1582	108	2.11	2.57	-5.71e-03	-9.24e-04	0.0	-2.28e-04
1582	114	-2.09	-0.61	-0.04	2.27e-04	0.0	2.38e-04
1582	136	-0.48	3.88	-0.03	-1.38e-03	0.0	-1.76e-04
1582	140	2.38	2.89	-3.78e-03	-1.04e-03	0.0	-2.57e-04
1582	146	-2.35	-0.69	-0.04	2.56e-04	0.0	2.68e-04
1582	168	-0.54	4.37	-0.03	-1.56e-03	0.0	-2.00e-04
1582	177	2.28	0.72	1.18e-03	-2.54e-04	0.0	-2.52e-04
1582	178	-2.26	-0.69	-0.04	2.57e-04	0.0	2.66e-04
1582	200	-0.54	4.35	-0.03	-1.55e-03	0.0	-2.03e-04
1582	209	2.63	0.84	4.54e-03	-3.01e-04	0.0	-2.96e-04
1582	210	-2.60	-0.82	-0.05	3.03e-04	0.0	3.10e-04
1582	232	-0.63	5.10	-0.03	-1.82e-03	0.0	-2.44e-04
1583	4	0.02	0.90	-0.03	3.12e-04	0.0	-1.69e-04
1583	15	0.01	1.48	-0.03	5.18e-04	0.0	-2.96e-04
1583	18	0.02	1.48	-0.03	5.19e-04	0.0	-2.92e-04
1583	68	0.02	0.60	-0.02	2.08e-04	0.0	-1.12e-04
1583	72	0.01	0.98	-0.02	3.46e-04	0.0	-1.97e-04
1583	75	0.02	0.99	-0.02	3.46e-04	0.0	-1.94e-04
1583	98	0.01	0.01	-0.02	1.43e-06	0.0	8.16e-06
1583	102	8.88e-03	0.21	-0.02	7.00e-05	0.0	-3.44e-05
1583	103	0.01	0.21	-0.02	7.03e-05	0.0	-3.27e-05
1583	106	8.55e-03	0.01	-0.02	1.06e-06	0.0	6.11e-06
1583	107	0.01	0.01	-0.02	1.38e-06	0.0	7.87e-06
1583	113	1.94	0.54	-7.37e-04	-2.25e-04	0.0	-1.96e-04
1583	114	-1.91	-0.51	-0.04	2.27e-04	0.0	2.12e-04
1583	136	-0.44	3.28	-0.03	-1.38e-03	0.0	-1.63e-04
1583	145	2.18	0.61	1.81e-03	-2.54e-04	0.0	-2.22e-04
1583	146	-2.15	-0.58	-0.04	2.56e-04	0.0	2.38e-04
1583	168	-0.50	3.69	-0.03	-1.56e-03	0.0	-1.85e-04
1583	177	2.09	0.61	8.12e-04	-2.54e-04	0.0	-2.20e-04
1583	178	-2.07	-0.58	-0.04	2.57e-04	0.0	2.36e-04
1583	200	-0.50	3.68	-0.03	-1.55e-03	0.0	-1.87e-04
1583	209	2.41	0.71	4.11e-03	-3.01e-04	0.0	-2.59e-04

1583	210	-2.38	-0.69	-0.05	3.03e-04	0.0	2.75e-04
1583	232	-0.58	4.31	-0.03	-1.82e-03	0.0	-2.25e-04
1584	4	0.02	0.63	-0.03	3.14e-04	0.0	-5.95e-05
1584	15	0.01	1.03	-0.03	5.22e-04	0.0	-1.09e-04
1584	18	0.02	1.04	-0.03	5.22e-04	0.0	-1.07e-04
1584	68	0.01	0.42	-0.02	2.10e-04	0.0	-3.93e-05
1584	72	8.52e-03	0.69	-0.02	3.48e-04	0.0	-7.24e-05
1584	75	0.01	0.69	-0.02	3.48e-04	0.0	-7.06e-05
1584	102	6.19e-03	0.15	-0.02	7.05e-05	0.0	-1.10e-05
1584	103	8.98e-03	0.15	-0.02	7.08e-05	0.0	-9.69e-06
1584	106	5.60e-03	9.96e-03	-0.02	1.09e-06	0.0	4.35e-06
1584	107	8.40e-03	0.01	-0.02	1.42e-06	0.0	5.67e-06
1584	108	2.35	2.97	-5.68e-03	-9.24e-04	0.0	-2.57e-04
1584	114	-2.33	-0.71	-0.04	2.27e-04	0.0	2.68e-04
1584	136	-0.53	4.48	-0.03	-1.38e-03	0.0	-1.94e-04
1584	140	2.64	3.34	-3.74e-03	-1.04e-03	0.0	-2.90e-04
1584	146	-2.62	-0.80	-0.04	2.56e-04	0.0	3.01e-04
1584	168	-0.60	5.04	-0.03	-1.56e-03	0.0	-2.21e-04
1584	172	2.53	3.31	-4.55e-03	-1.03e-03	0.0	-2.88e-04
1584	178	-2.51	-0.80	-0.04	2.56e-04	0.0	2.99e-04
1584	200	-0.60	5.02	-0.03	-1.55e-03	0.0	-2.24e-04
1584	204	2.92	3.86	-2.07e-03	-1.20e-03	0.0	-3.38e-04
1584	210	-2.90	-0.95	-0.05	3.03e-04	0.0	3.49e-04
1584	232	-0.70	5.89	-0.03	-1.82e-03	0.0	-2.69e-04
1585	15	9.25e-03	0.80	-0.03	5.30e-04	0.0	-1.12e-05
1585	18	0.01	0.80	-0.03	5.30e-04	0.0	-8.93e-06
1585	72	6.33e-03	0.53	-0.02	3.53e-04	0.0	-7.12e-06
1585	75	8.52e-03	0.53	-0.02	3.54e-04	0.0	-5.62e-06
1585	102	3.15e-03	0.11	-0.02	7.16e-05	0.0	1.31e-06
1585	103	4.66e-03	0.12	-0.02	7.19e-05	0.0	2.41e-06
1585	106	2.35e-03	9.47e-03	-0.02	1.12e-06	0.0	3.42e-06
1585	107	3.86e-03	0.01	-0.02	1.45e-06	0.0	4.51e-06
1585	108	2.57	3.37	-5.73e-03	-9.23e-04	0.0	-2.80e-04
1585	114	-2.56	-0.81	-0.04	2.27e-04	0.0	2.91e-04
1585	136	-0.58	5.07	-0.03	-1.38e-03	0.0	-2.13e-04
1585	140	2.90	3.79	-3.80e-03	-1.04e-03	0.0	-3.16e-04
1585	146	-2.88	-0.91	-0.04	2.56e-04	0.0	3.27e-04
1585	168	-0.66	5.71	-0.03	-1.56e-03	0.0	-2.41e-04
1585	172	2.78	3.75	-4.60e-03	-1.03e-03	0.0	-3.14e-04
1585	178	-2.77	-0.91	-0.04	2.56e-04	0.0	3.25e-04
1585	200	-0.66	5.69	-0.03	-1.55e-03	0.0	-2.45e-04
1585	204	3.20	4.38	-2.14e-03	-1.20e-03	0.0	-3.68e-04
1585	210	-3.19	-1.08	-0.05	3.03e-04	0.0	3.81e-04
1585	232	-0.76	6.67	-0.03	-1.82e-03	0.0	-2.93e-04
1586	4	0.02	0.81	-0.02	3.57e-04	0.0	-1.06e-04
1586	15	0.01	1.34	-0.02	5.95e-04	0.0	-1.88e-04
1586	18	0.02	1.34	-0.02	5.95e-04	0.0	-1.85e-04
1586	68	0.02	0.54	-0.02	2.38e-04	0.0	-6.99e-05
1586	72	0.01	0.89	-0.02	3.96e-04	0.0	-1.25e-04
1586	75	0.02	0.90	-0.02	3.96e-04	0.0	-1.23e-04
1586	98	0.01	0.01	-0.02	0.0	0.0	7.13e-06
1586	102	8.88e-03	0.18	-0.02	7.92e-05	0.0	-2.07e-05
1586	103	0.01	0.19	-0.02	7.93e-05	0.0	-1.92e-05
1586	106	8.48e-03	8.03e-03	-0.02	0.0	0.0	5.31e-06
1586	107	0.01	0.01	-0.02	0.0	0.0	6.87e-06
1586	108	2.12	2.69	-0.04	-9.58e-04	-2.65e-06	-2.26e-04
1586	136	-0.48	3.93	-0.01	-1.39e-03	0.0	-1.74e-04
1586	140	2.38	3.02	-0.05	-1.08e-03	-2.98e-06	-2.55e-04
1586	168	-0.54	4.42	-0.01	-1.56e-03	0.0	-1.97e-04
1586	172	2.28	2.99	-0.05	-1.07e-03	-2.96e-06	-2.53e-04
1586	177	2.28	0.84	-0.05	-2.97e-04	-3.78e-06	-2.51e-04
1586	200	-0.54	4.41	-0.01	-1.56e-03	0.0	-2.00e-04
1586	204	2.63	3.49	-0.05	-1.25e-03	-3.46e-06	-2.98e-04
1586	209	2.63	0.99	-0.05	-3.51e-04	-4.44e-06	-2.95e-04
1586	232	-0.63	5.17	-0.01	-1.83e-03	0.0	-2.41e-04
1587	4	0.03	0.96	-0.02	3.54e-04	0.0	-1.02e-04
1587	15	0.01	1.59	-0.02	5.90e-04	0.0	-1.83e-04
1587	18	0.02	1.59	-0.02	5.90e-04	0.0	-1.79e-04
1587	68	0.02	0.64	-0.02	2.36e-04	0.0	-6.70e-05
1587	72	0.01	1.06	-0.02	3.94e-04	0.0	-1.21e-04
1587	75	0.02	1.06	-0.02	3.94e-04	0.0	-1.19e-04
1587	98	0.01	0.01	-0.02	0.0	0.0	8.32e-06
1587	102	9.29e-03	0.22	-0.02	7.87e-05	0.0	-1.93e-05
1587	103	0.01	0.22	-0.02	7.87e-05	0.0	-1.75e-05
1587	106	8.99e-03	8.00e-03	-0.02	0.0	0.0	6.24e-06

1587	107	0.01	9.99e-03	-0.02	0.0	0.0	8.02e-06
1587	108	1.94	2.27	-0.04	-9.59e-04	-2.81e-06	-1.93e-04
1587	113	1.95	0.63	-0.04	-2.64e-04	-2.81e-06	-1.90e-04
1587	136	-0.44	3.33	-0.03	-1.39e-03	-2.15e-06	-1.48e-04
1587	140	2.19	2.56	-0.04	-1.08e-03	-3.16e-06	-2.18e-04
1587	145	2.19	0.71	-0.04	-2.98e-04	-3.16e-06	-2.15e-04
1587	168	-0.50	3.75	-0.03	-1.57e-03	-2.42e-06	-1.68e-04
1587	172	2.10	2.53	-0.04	-1.07e-03	-3.14e-06	-2.16e-04
1587	177	2.10	0.71	-0.04	-2.98e-04	-3.14e-06	-2.14e-04
1587	200	-0.50	3.73	-0.03	-1.56e-03	-2.46e-06	-1.71e-04
1587	204	2.41	2.95	-0.05	-1.25e-03	-3.67e-06	-2.55e-04
1587	209	2.42	0.83	-0.04	-3.52e-04	-3.71e-06	-2.52e-04
1587	232	-0.58	4.38	-0.03	-1.83e-03	-2.94e-06	-2.06e-04
1588	4	0.02	0.66	-0.02	3.71e-04	-2.24e-06	-6.21e-05
1588	15	0.01	1.08	-0.02	6.18e-04	-3.69e-06	-1.13e-04
1588	18	0.02	1.08	-0.02	6.18e-04	-3.70e-06	-1.11e-04
1588	68	0.01	0.44	-0.02	2.47e-04	-1.49e-06	-4.10e-05
1588	72	8.90e-03	0.72	-0.02	4.12e-04	-2.46e-06	-7.51e-05
1588	75	0.01	0.72	-0.02	4.12e-04	-2.47e-06	-7.34e-05
1588	102	6.56e-03	0.15	-0.02	8.24e-05	0.0	-1.16e-05
1588	103	9.55e-03	0.15	-0.02	8.25e-05	0.0	-1.03e-05
1588	106	5.98e-03	8.06e-03	-0.02	0.0	0.0	4.23e-06
1588	107	8.96e-03	0.01	-0.02	0.0	0.0	5.52e-06
1588	108	2.35	3.10	-0.05	-9.55e-04	-5.76e-06	-2.57e-04
1588	136	-0.53	4.53	-0.01	-1.38e-03	-7.02e-06	-1.95e-04
1588	140	2.64	3.49	-0.05	-1.08e-03	-6.47e-06	-2.91e-04
1588	168	-0.60	5.10	-0.01	-1.56e-03	-7.89e-06	-2.21e-04
1588	172	2.53	3.45	-0.05	-1.06e-03	-6.32e-06	-2.88e-04
1588	200	-0.60	5.09	-0.01	-1.56e-03	-7.71e-06	-2.25e-04
1588	204	2.92	4.03	-0.05	-1.24e-03	-7.35e-06	-3.39e-04
1588	232	-0.70	5.96	-0.01	-1.83e-03	-9.06e-06	-2.70e-04
1589	15	9.09e-03	0.79	-0.02	6.39e-04	0.0	-9.72e-06
1589	18	0.01	0.80	-0.02	6.39e-04	0.0	-7.58e-06
1589	72	6.20e-03	0.53	-0.02	4.26e-04	0.0	-6.17e-06
1589	75	8.29e-03	0.53	-0.02	4.26e-04	0.0	-4.74e-06
1589	102	2.92e-03	0.11	-0.02	8.52e-05	0.0	1.31e-06
1589	103	4.35e-03	0.11	-0.02	8.53e-05	0.0	2.35e-06
1589	106	2.10e-03	8.03e-03	-0.02	0.0	0.0	3.18e-06
1589	107	3.53e-03	9.95e-03	-0.02	0.0	0.0	4.22e-06
1589	108	2.57	3.51	-0.05	-9.53e-04	0.0	-2.81e-04
1589	136	-0.58	5.12	-0.01	-1.38e-03	0.0	-2.13e-04
1589	140	2.90	3.95	-0.05	-1.07e-03	0.0	-3.17e-04
1589	168	-0.66	5.77	-0.01	-1.56e-03	0.0	-2.42e-04
1589	172	2.78	3.91	-0.05	-1.06e-03	0.0	-3.14e-04
1589	200	-0.66	5.76	-0.01	-1.55e-03	0.0	-2.45e-04
1589	204	3.20	4.56	-0.05	-1.24e-03	0.0	-3.69e-04
1589	232	-0.76	6.75	-0.01	-1.82e-03	0.0	-2.94e-04
1590	18	3.28e-03	0.16	-0.02	-3.78e-04	0.0	8.33e-05
1590	28	3.87e-03	-0.06	-0.02	1.44e-04	0.0	-2.88e-05
1590	75	2.31e-03	0.11	-0.01	-2.54e-04	0.0	5.54e-05
1590	80	2.71e-03	-0.04	-0.02	9.43e-05	0.0	-1.93e-05
1590	98	2.14e-03	8.67e-03	-0.01	-1.98e-05	0.0	-1.64e-06
1590	103	2.04e-03	0.03	-0.01	-6.57e-05	0.0	9.84e-06
1590	107	2.04e-03	8.37e-03	-0.01	-1.91e-05	0.0	-1.59e-06
1590	113	0.22	-0.02	-0.01	5.27e-05	0.0	-4.36e-05
1590	136	-0.05	0.55	-7.00e-03	-1.38e-03	0.0	6.71e-06
1590	139	0.05	-0.53	-0.02	1.34e-03	0.0	-9.88e-06
1590	145	0.24	-0.02	-0.01	6.13e-05	0.0	-4.89e-05
1590	168	-0.06	0.62	-6.41e-03	-1.55e-03	0.0	7.66e-06
1590	171	0.06	-0.60	-0.02	1.51e-03	0.0	-1.08e-05
1590	177	0.23	-0.02	-0.01	5.85e-05	0.0	-4.84e-05
1590	200	-0.06	0.61	-6.48e-03	-1.53e-03	0.0	6.71e-06
1590	203	0.06	-0.59	-0.02	1.49e-03	0.0	-9.88e-06
1590	209	0.27	-0.03	-0.01	6.87e-05	0.0	-5.64e-05
1590	232	-0.07	0.71	-5.62e-03	-1.79e-03	0.0	7.51e-06
1590	235	0.07	-0.70	-0.02	1.75e-03	0.0	-1.07e-05
1591	1	0.0	0.0	0.0	-2.37e-04	0.0	8.66e-06
1591	65	0.0	0.0	0.0	-1.60e-04	0.0	5.75e-06
1591	97	0.0	0.0	0.0	-1.57e-05	0.0	0.0
1591	106	0.0	0.0	0.0	-1.57e-05	0.0	0.0
1591	108	0.0	0.0	0.0	-6.88e-04	0.0	-3.38e-06
1591	140	0.0	0.0	0.0	-7.71e-04	0.0	-3.77e-06
1591	172	0.0	0.0	0.0	-7.61e-04	0.0	-3.74e-06
1591	204	0.0	0.0	0.0	-8.84e-04	0.0	-4.33e-06
1592	4	6.36e-03	0.20	-0.04	-2.22e-04	0.0	8.84e-05

1592	18	5.73e-03	0.31	-0.03	-3.48e-04	0.0	1.50e-04
1592	28	6.36e-03	-0.12	-0.04	1.40e-04	0.0	-5.11e-05
1592	68	4.44e-03	0.13	-0.02	-1.49e-04	0.0	5.87e-05
1592	75	4.02e-03	0.21	-0.02	-2.33e-04	0.0	1.00e-04
1592	80	4.44e-03	-0.08	-0.03	9.17e-05	0.0	-3.43e-05
1592	98	3.53e-03	0.02	-0.02	-1.76e-05	0.0	-2.60e-06
1592	103	3.41e-03	0.05	-0.02	-6.00e-05	0.0	1.80e-05
1592	107	3.36e-03	0.02	-0.02	-1.70e-05	0.0	-2.52e-06
1592	113	0.49	-0.04	-0.02	5.40e-05	0.0	-8.83e-05
1592	136	-0.11	1.10	-0.01	-1.38e-03	0.0	1.06e-05
1592	139	0.12	-1.07	-0.03	1.35e-03	0.0	-1.56e-05
1592	145	0.55	-0.05	-0.02	6.25e-05	0.0	-9.91e-05
1592	168	-0.13	1.24	-9.50e-03	-1.55e-03	0.0	1.21e-05
1592	171	0.13	-1.20	-0.03	1.52e-03	0.0	-1.71e-05
1592	177	0.52	-0.05	-0.02	5.98e-05	0.0	-9.82e-05
1592	200	-0.13	1.22	-9.64e-03	-1.54e-03	0.0	1.03e-05
1592	203	0.13	-1.19	-0.03	1.50e-03	0.0	-1.54e-05
1592	209	0.60	-0.05	-0.02	6.98e-05	0.0	-1.15e-04
1592	232	-0.15	1.43	-7.69e-03	-1.79e-03	0.0	1.14e-05
1592	235	0.15	-1.39	-0.04	1.76e-03	0.0	-1.64e-05
1593	4	9.58e-03	0.28	-0.05	-1.95e-04	0.0	1.14e-04
1593	18	8.83e-03	0.45	-0.04	-3.08e-04	0.0	1.94e-04
1593	28	9.22e-03	-0.17	-0.05	1.34e-04	0.0	-6.60e-05
1593	68	6.68e-03	0.19	-0.03	-1.31e-04	0.0	7.58e-05
1593	75	6.18e-03	0.30	-0.03	-2.06e-04	0.0	1.29e-04
1593	80	6.44e-03	-0.11	-0.04	8.85e-05	0.0	-4.43e-05
1593	98	5.17e-03	0.02	-0.03	-1.45e-05	0.0	-3.37e-06
1593	103	5.05e-03	0.08	-0.03	-5.23e-05	0.0	2.33e-05
1593	107	4.91e-03	0.02	-0.03	-1.40e-05	0.0	-3.27e-06
1593	113	0.89	-0.06	-0.04	5.58e-05	0.0	-1.31e-04
1593	136	-0.20	1.65	-0.01	-1.39e-03	0.0	1.19e-05
1593	139	0.21	-1.61	-0.05	1.36e-03	0.0	-1.85e-05
1593	145	1.00	-0.07	-0.04	6.41e-05	0.0	-1.47e-04
1593	168	-0.23	1.86	-0.01	-1.56e-03	0.0	1.37e-05
1593	171	0.24	-1.81	-0.05	1.53e-03	0.0	-2.02e-05
1593	177	0.96	-0.07	-0.04	6.15e-05	0.0	-1.46e-04
1593	200	-0.23	1.84	-0.01	-1.54e-03	0.0	1.14e-05
1593	203	0.24	-1.80	-0.05	1.52e-03	0.0	-1.79e-05
1593	209	1.10	-0.08	-0.04	7.12e-05	0.0	-1.70e-04
1593	232	-0.27	2.15	-7.91e-03	-1.80e-03	0.0	1.24e-05
1593	235	0.28	-2.10	-0.05	1.77e-03	0.0	-1.90e-05
1594	18	3.16e-03	0.23	-4.07e-03	-5.21e-04	0.0	1.24e-04
1594	28	3.72e-03	-0.08	-4.91e-03	1.92e-04	0.0	-4.18e-05
1594	75	2.23e-03	0.16	-3.00e-03	-3.48e-04	0.0	8.26e-05
1594	80	2.60e-03	-0.05	-3.56e-03	1.27e-04	0.0	-2.80e-05
1594	98	2.06e-03	7.45e-03	-3.10e-03	-1.72e-05	0.0	-1.98e-06
1594	103	1.97e-03	0.04	-2.98e-03	-8.27e-05	0.0	1.50e-05
1594	107	1.95e-03	7.19e-03	-3.02e-03	-1.66e-05	0.0	-1.92e-06
1594	113	0.22	-0.05	-4.88e-03	1.17e-04	0.0	-4.47e-05
1594	136	-0.05	0.55	-2.13e-03	-1.38e-03	0.0	9.29e-06
1594	145	0.24	-0.05	-5.11e-03	1.33e-04	0.0	-5.01e-05
1594	168	-0.06	0.62	-2.02e-03	-1.55e-03	0.0	1.06e-05
1594	177	0.23	-0.05	-5.01e-03	1.29e-04	0.0	-4.95e-05
1594	200	-0.06	0.61	-2.01e-03	-1.53e-03	0.0	9.42e-06
1594	209	0.27	-0.06	-5.31e-03	1.51e-04	0.0	-5.77e-05
1594	232	-0.06	0.71	-1.85e-03	-1.78e-03	0.0	1.07e-05
1595	1	0.0	0.0	0.0	-3.30e-04	0.0	1.29e-05
1595	65	0.0	0.0	0.0	-2.21e-04	0.0	8.57e-06
1595	97	0.0	0.0	0.0	-1.36e-05	0.0	0.0
1595	106	0.0	0.0	0.0	-1.36e-05	0.0	0.0
1595	108	0.0	0.0	0.0	-6.38e-04	0.0	-3.25e-06
1595	140	0.0	0.0	0.0	-7.16e-04	0.0	-3.62e-06
1595	172	0.0	0.0	0.0	-7.07e-04	0.0	-3.59e-06
1595	204	0.0	0.0	0.0	-8.21e-04	0.0	-4.15e-06
1596	18	5.47e-03	0.44	-7.33e-03	-4.58e-04	0.0	2.24e-04
1596	28	6.08e-03	-0.16	-8.83e-03	1.78e-04	0.0	-7.53e-05
1596	75	3.83e-03	0.29	-5.39e-03	-3.07e-04	0.0	1.49e-04
1596	80	4.24e-03	-0.11	-6.39e-03	1.17e-04	0.0	-5.05e-05
1596	98	3.36e-03	0.01	-5.56e-03	-1.53e-05	0.0	-3.53e-06
1596	103	3.24e-03	0.07	-5.33e-03	-7.29e-05	0.0	2.71e-05
1596	107	3.19e-03	0.01	-5.40e-03	-1.48e-05	0.0	-3.42e-06
1596	113	0.47	-0.09	-8.38e-03	1.16e-04	0.0	-9.08e-05
1596	136	-0.11	1.10	-4.10e-03	-1.37e-03	0.0	1.70e-05
1596	145	0.53	-0.11	-8.75e-03	1.32e-04	0.0	-1.02e-04
1596	168	-0.12	1.24	-3.93e-03	-1.54e-03	0.0	1.93e-05

1596	177	0.51	-0.10	-8.60e-03	1.29e-04	0.0	-1.01e-04
1596	200	-0.12	1.22	-3.92e-03	-1.53e-03	0.0	1.71e-05
1596	209	0.59	-0.12	-9.07e-03	1.50e-04	0.0	-1.17e-04
1596	232	-0.14	1.43	-3.68e-03	-1.78e-03	0.0	1.92e-05
1597	4	9.68e-03	0.38	-0.01	-2.33e-04	0.0	1.64e-04
1597	18	8.90e-03	0.61	-0.01	-3.73e-04	0.0	2.80e-04
1597	28	9.33e-03	-0.23	-0.01	1.59e-04	0.0	-9.51e-05
1597	68	6.75e-03	0.26	-8.43e-03	-1.56e-04	0.0	1.09e-04
1597	75	6.23e-03	0.41	-7.58e-03	-2.49e-04	0.0	1.86e-04
1597	80	6.51e-03	-0.15	-8.98e-03	1.05e-04	0.0	-6.38e-05
1597	98	5.22e-03	0.02	-7.80e-03	-1.23e-05	0.0	-4.97e-06
1597	103	5.09e-03	0.10	-7.49e-03	-5.92e-05	0.0	3.34e-05
1597	107	4.96e-03	0.02	-7.58e-03	-1.19e-05	0.0	-4.81e-06
1597	113	0.89	-0.14	-7.36e-03	1.16e-04	0.0	-1.32e-04
1597	127	-0.60	-1.55	-8.52e-03	1.30e-03	0.0	-4.24e-05
1597	136	-0.20	1.65	-6.70e-03	-1.37e-03	0.0	1.91e-05
1597	145	1.00	-0.16	-7.34e-03	1.31e-04	0.0	-1.48e-04
1597	159	-0.68	-1.75	-8.64e-03	1.46e-03	0.0	-4.72e-05
1597	168	-0.23	1.85	-6.59e-03	-1.54e-03	0.0	2.18e-05
1597	177	0.96	-0.15	-7.36e-03	1.28e-04	0.0	-1.47e-04
1597	191	-0.65	-1.72	-8.61e-03	1.44e-03	0.0	-4.75e-05
1597	200	-0.23	1.84	-6.60e-03	-1.53e-03	0.0	1.89e-05
1597	209	1.10	-0.18	-7.33e-03	1.48e-04	0.0	-1.71e-04
1597	223	-0.75	-2.00	-8.78e-03	1.67e-03	0.0	-5.55e-05
1597	232	-0.27	2.14	-6.43e-03	-1.78e-03	0.0	2.11e-05
1598	18	2.62e-03	0.32	-2.65e-03	-6.80e-04	0.0	1.45e-04
1598	28	3.01e-03	-0.11	-2.76e-03	2.46e-04	0.0	-4.82e-05
1598	75	1.84e-03	0.21	-2.00e-03	-4.55e-04	0.0	9.63e-05
1598	80	2.10e-03	-0.07	-2.07e-03	1.63e-04	0.0	-3.23e-05
1598	98	1.66e-03	6.18e-03	-1.97e-03	-1.47e-05	0.0	-2.12e-06
1598	103	1.60e-03	0.05	-1.95e-03	-1.02e-04	0.0	1.76e-05
1598	107	1.58e-03	5.96e-03	-1.95e-03	-1.41e-05	0.0	-2.06e-06
1598	108	0.21	0.24	-0.02	-5.93e-04	0.0	-3.01e-05
1598	113	0.21	-0.07	-0.02	1.78e-04	0.0	-4.52e-05
1598	136	-0.05	0.55	2.97e-03	-1.38e-03	0.0	9.73e-06
1598	140	0.24	0.26	-0.03	-6.65e-04	0.0	-3.37e-05
1598	145	0.24	-0.08	-0.03	2.01e-04	0.0	-5.07e-05
1598	168	-0.06	0.62	3.60e-03	-1.55e-03	0.0	1.11e-05
1598	172	0.23	0.26	-0.03	-6.56e-04	0.0	-3.34e-05
1598	177	0.23	-0.08	-0.03	1.97e-04	0.0	-5.01e-05
1598	200	-0.06	0.61	3.60e-03	-1.53e-03	0.0	9.86e-06
1598	204	0.26	0.30	-0.03	-7.62e-04	0.0	-3.88e-05
1598	209	0.27	-0.09	-0.03	2.30e-04	0.0	-5.83e-05
1598	232	-0.06	0.71	4.46e-03	-1.78e-03	0.0	1.12e-05
1599	1	0.0	0.0	0.0	-4.34e-04	0.0	1.33e-05
1599	65	0.0	0.0	0.0	-2.91e-04	0.0	8.86e-06
1599	97	0.0	0.0	0.0	-1.14e-05	0.0	0.0
1599	106	0.0	0.0	0.0	-1.14e-05	0.0	0.0
1599	108	0.0	0.0	0.0	-5.93e-04	0.0	-3.19e-06
1599	140	0.0	0.0	0.0	-6.65e-04	0.0	-3.55e-06
1599	172	0.0	0.0	0.0	-6.56e-04	0.0	-3.52e-06
1599	204	0.0	0.0	0.0	-7.62e-04	0.0	-4.06e-06
1600	4	5.09e-03	0.37	-4.80e-03	-3.52e-04	0.0	1.58e-04
1600	18	4.58e-03	0.60	-4.64e-03	-5.70e-04	0.0	2.68e-04
1600	28	5.06e-03	-0.21	-4.83e-03	2.17e-04	0.0	-8.88e-05
1600	68	3.54e-03	0.25	-3.60e-03	-2.36e-04	0.0	1.05e-04
1600	75	3.20e-03	0.40	-3.49e-03	-3.81e-04	0.0	1.78e-04
1600	80	3.52e-03	-0.14	-3.62e-03	1.43e-04	0.0	-5.95e-05
1600	98	2.77e-03	0.01	-3.43e-03	-1.30e-05	0.0	-3.71e-06
1600	103	2.68e-03	0.09	-3.40e-03	-8.60e-05	0.0	3.28e-05
1600	107	2.63e-03	0.01	-3.39e-03	-1.25e-05	0.0	-3.60e-06
1600	108	0.44	0.47	-0.05	-5.93e-04	0.0	-6.24e-05
1600	113	0.44	-0.15	-0.05	1.74e-04	0.0	-9.24e-05
1600	136	-0.10	1.10	6.69e-03	-1.37e-03	0.0	1.87e-05
1600	140	0.50	0.53	-0.05	-6.65e-04	0.0	-6.99e-05
1600	145	0.50	-0.16	-0.05	1.97e-04	0.0	-1.04e-04
1600	168	-0.12	1.24	7.97e-03	-1.54e-03	0.0	2.13e-05
1600	172	0.48	0.52	-0.05	-6.56e-04	0.0	-6.93e-05
1600	177	0.48	-0.16	-0.05	1.93e-04	0.0	-1.02e-04
1600	200	-0.12	1.23	7.97e-03	-1.52e-03	0.0	1.88e-05
1600	204	0.55	0.61	-0.06	-7.63e-04	0.0	-8.06e-05
1600	209	0.55	-0.19	-0.06	2.25e-04	0.0	-1.19e-04
1600	232	-0.13	1.43	9.73e-03	-1.77e-03	0.0	2.13e-05
1601	4	9.54e-03	0.49	-8.23e-03	-2.68e-04	0.0	1.78e-04
1601	18	8.77e-03	0.80	-7.95e-03	-4.34e-04	0.0	3.03e-04

1601	28	9.18e-03	-0.29	-8.27e-03	1.82e-04	0.0	-1.03e-04
1601	68	6.64e-03	0.33	-6.16e-03	-1.79e-04	0.0	1.18e-04
1601	75	6.13e-03	0.53	-5.98e-03	-2.90e-04	0.0	2.02e-04
1601	80	6.41e-03	-0.19	-6.19e-03	1.21e-04	0.0	-6.90e-05
1601	98	5.13e-03	0.02	-5.86e-03	-1.00e-05	0.0	-5.24e-06
1601	103	5.00e-03	0.12	-5.80e-03	-6.56e-05	0.0	3.64e-05
1601	107	4.87e-03	0.02	-5.79e-03	-9.66e-06	0.0	-5.08e-06
1601	108	0.90	0.71	-0.08	-5.92e-04	0.0	-9.32e-05
1601	113	0.90	-0.21	-0.08	1.70e-04	0.0	-1.33e-04
1601	136	-0.21	1.65	0.01	-1.36e-03	0.0	2.08e-05
1601	140	1.01	0.80	-0.09	-6.65e-04	0.0	-1.04e-04
1601	145	1.01	-0.24	-0.09	1.92e-04	0.0	-1.49e-04
1601	168	-0.23	1.85	0.01	-1.53e-03	0.0	2.37e-05
1601	172	0.97	0.79	-0.09	-6.56e-04	0.0	-1.04e-04
1601	177	0.97	-0.24	-0.09	1.88e-04	0.0	-1.48e-04
1601	200	-0.23	1.83	0.01	-1.51e-03	0.0	2.07e-05
1601	204	1.11	0.91	-0.10	-7.62e-04	0.0	-1.20e-04
1601	209	1.11	-0.28	-0.10	2.19e-04	0.0	-1.72e-04
1601	232	-0.27	2.14	0.02	-1.76e-03	0.0	2.32e-05
1602	4	0.01	0.37	-0.06	-1.61e-04	0.0	1.26e-04
1602	18	0.01	0.57	-0.05	-2.56e-04	0.0	2.15e-04
1602	28	0.01	-0.23	-0.07	1.28e-04	0.0	-7.46e-05
1602	68	9.11e-03	0.25	-0.04	-1.08e-04	0.0	8.35e-05
1602	75	8.55e-03	0.38	-0.04	-1.72e-04	0.0	1.43e-04
1602	80	8.54e-03	-0.15	-0.05	8.46e-05	0.0	-5.01e-05
1602	98	6.90e-03	0.03	-0.04	-1.03e-05	0.0	-4.47e-06
1602	103	6.79e-03	0.10	-0.04	-4.21e-05	0.0	2.52e-05
1602	107	6.55e-03	0.03	-0.04	-9.92e-06	0.0	-4.34e-06
1602	113	1.36	-0.09	-0.05	5.83e-05	0.0	-1.78e-04
1602	136	-0.31	2.28	-0.01	-1.39e-03	0.0	1.13e-05
1602	139	0.32	-2.22	-0.06	1.37e-03	0.0	-2.00e-05
1602	145	1.53	-0.10	-0.05	6.64e-05	0.0	-2.00e-04
1602	168	-0.35	2.56	-0.01	-1.56e-03	0.0	1.31e-05
1602	171	0.37	-2.50	-0.06	1.54e-03	0.0	-2.18e-05
1602	177	1.47	-0.10	-0.05	6.38e-05	0.0	-1.99e-04
1602	200	-0.35	2.54	-0.01	-1.55e-03	0.0	1.05e-05
1602	203	0.37	-2.48	-0.06	1.53e-03	0.0	-1.92e-05
1602	209	1.70	-0.12	-0.05	7.33e-05	0.0	-2.32e-04
1602	232	-0.41	2.96	-8.20e-03	-1.81e-03	0.0	1.13e-05
1602	235	0.42	-2.90	-0.07	1.79e-03	0.0	-2.00e-05
1603	4	0.02	0.43	-0.07	-1.26e-04	0.0	1.18e-04
1603	18	0.02	0.68	-0.06	-2.03e-04	0.0	2.04e-04
1603	28	0.01	-0.29	-0.08	1.23e-04	0.0	-7.46e-05
1603	68	0.01	0.29	-0.05	-8.44e-05	0.0	7.80e-05
1603	75	0.01	0.45	-0.04	-1.36e-04	0.0	1.35e-04
1603	80	0.01	-0.19	-0.06	8.19e-05	0.0	-5.02e-05
1603	98	8.22e-03	0.03	-0.05	-5.11e-06	0.0	-6.08e-06
1603	103	8.14e-03	0.12	-0.04	-3.10e-05	0.0	2.24e-05
1603	107	7.80e-03	0.03	-0.04	-4.91e-06	0.0	-5.88e-06
1603	108	1.83	1.45	-0.03	-6.94e-04	0.0	-1.76e-04
1603	136	-0.42	2.90	-0.02	-1.39e-03	0.0	8.98e-06
1603	139	0.43	-2.84	-0.07	1.38e-03	0.0	-2.07e-05
1603	140	2.05	1.63	-0.03	-7.81e-04	0.0	-1.98e-04
1603	168	-0.47	3.27	-0.01	-1.56e-03	0.0	1.07e-05
1603	171	0.49	-3.20	-0.07	1.55e-03	0.0	-2.24e-05
1603	177	1.97	-0.13	-0.05	6.69e-05	0.0	-2.52e-04
1603	200	-0.47	3.24	-0.01	-1.55e-03	0.0	8.12e-06
1603	203	0.49	-3.17	-0.07	1.54e-03	0.0	-1.99e-05
1603	209	2.27	-0.15	-0.05	7.61e-05	0.0	-2.95e-04
1603	232	-0.54	3.77	-0.01	-1.81e-03	0.0	8.70e-06
1603	235	0.56	-3.71	-0.08	1.80e-03	0.0	-2.05e-05
1604	4	0.01	0.47	-0.01	-1.63e-04	0.0	1.82e-04
1604	18	0.01	0.76	-0.01	-2.63e-04	0.0	3.11e-04
1604	28	0.01	-0.29	-0.02	1.35e-04	0.0	-1.08e-04
1604	68	9.14e-03	0.32	-0.01	-1.10e-04	0.0	1.21e-04
1604	75	8.57e-03	0.51	-9.55e-03	-1.76e-04	0.0	2.07e-04
1604	80	8.58e-03	-0.19	-0.01	8.95e-05	0.0	-7.28e-05
1604	98	6.92e-03	0.03	-9.83e-03	-7.88e-06	0.0	-6.75e-06
1604	103	6.81e-03	0.12	-9.43e-03	-4.11e-05	0.0	3.62e-05
1604	107	6.57e-03	0.02	-9.55e-03	-7.59e-06	0.0	-6.53e-06
1604	113	1.36	-0.19	-0.01	1.16e-04	0.0	-1.79e-04
1604	133	0.94	-1.96	-0.01	1.19e-03	0.0	-1.22e-04
1604	136	-0.31	2.27	-8.59e-03	-1.36e-03	0.0	1.76e-05
1604	145	1.53	-0.22	-0.01	1.31e-04	0.0	-2.00e-04
1604	165	1.05	-2.21	-0.01	1.34e-03	0.0	-1.37e-04

1604	168	-0.35	2.55	-8.47e-03	-1.53e-03	0.0	2.03e-05
1604	177	1.47	-0.21	-0.01	1.28e-04	0.0	-1.99e-04
1604	197	1.01	-2.19	-0.01	1.33e-03	0.0	-1.34e-04
1604	200	-0.35	2.52	-8.46e-03	-1.52e-03	0.0	1.69e-05
1604	209	1.69	-0.25	-0.01	1.47e-04	0.0	-2.32e-04
1604	229	1.17	-2.55	-0.01	1.54e-03	0.0	-1.56e-04
1604	232	-0.41	2.94	-8.28e-03	-1.77e-03	0.0	1.87e-05
1605	4	0.02	0.53	-0.02	-9.17e-05	0.0	1.78e-04
1605	18	0.01	0.85	-0.02	-1.49e-04	0.0	3.07e-04
1605	28	0.01	-0.35	-0.02	1.12e-04	0.0	-1.11e-04
1605	68	0.01	0.36	-0.01	-6.13e-05	0.0	1.18e-04
1605	75	0.01	0.57	-0.01	-9.97e-05	0.0	2.04e-04
1605	80	9.82e-03	-0.23	-0.01	7.45e-05	0.0	-7.49e-05
1605	98	7.89e-03	0.03	-0.01	-2.79e-06	0.0	-8.72e-06
1605	103	7.83e-03	0.13	-0.01	-2.20e-05	0.0	3.42e-05
1605	107	7.48e-03	0.03	-0.01	-2.67e-06	0.0	-8.43e-06
1605	108	1.84	1.34	-0.02	-6.33e-04	0.0	-1.71e-04
1605	113	1.84	-0.24	-0.02	1.17e-04	0.0	-2.25e-04
1605	136	-0.42	2.88	-8.83e-03	-1.35e-03	0.0	1.28e-05
1605	140	2.07	1.51	-0.02	-7.12e-04	0.0	-1.92e-04
1605	145	2.07	-0.27	-0.02	1.31e-04	0.0	-2.52e-04
1605	168	-0.47	3.24	-8.54e-03	-1.52e-03	0.0	1.52e-05
1605	172	1.99	1.49	-0.02	-7.03e-04	0.0	-1.90e-04
1605	177	1.99	-0.27	-0.02	1.28e-04	0.0	-2.50e-04
1605	200	-0.47	3.21	-8.53e-03	-1.51e-03	0.0	1.18e-05
1605	204	2.29	1.73	-0.02	-8.18e-04	0.0	-2.21e-04
1605	209	2.29	-0.31	-0.02	1.47e-04	0.0	-2.92e-04
1605	232	-0.55	3.73	-8.11e-03	-1.76e-03	0.0	1.29e-05
1606	4	0.01	0.59	-0.01	-1.73e-04	0.0	1.97e-04
1606	18	0.01	0.96	-0.01	-2.81e-04	0.0	3.38e-04
1606	28	0.01	-0.37	-0.01	1.45e-04	0.0	-1.17e-04
1606	68	9.04e-03	0.40	-8.61e-03	-1.16e-04	0.0	1.31e-04
1606	75	8.47e-03	0.64	-8.36e-03	-1.88e-04	0.0	2.24e-04
1606	80	8.48e-03	-0.24	-8.66e-03	9.66e-05	0.0	-7.86e-05
1606	98	6.82e-03	0.02	-8.23e-03	-5.66e-06	0.0	-7.12e-06
1606	103	6.71e-03	0.14	-8.14e-03	-4.19e-05	0.0	3.95e-05
1606	107	6.47e-03	0.02	-8.14e-03	-5.45e-06	0.0	-6.89e-06
1606	108	1.35	0.97	-0.11	-5.87e-04	0.0	-1.30e-04
1606	113	1.35	-0.29	-0.11	1.68e-04	0.0	-1.79e-04
1606	136	-0.31	2.26	0.01	-1.35e-03	0.0	1.95e-05
1606	140	1.52	1.09	-0.12	-6.60e-04	0.0	-1.46e-04
1606	145	1.52	-0.33	-0.12	1.90e-04	0.0	-2.00e-04
1606	168	-0.35	2.54	0.02	-1.51e-03	0.0	2.25e-05
1606	172	1.46	1.08	-0.11	-6.51e-04	0.0	-1.45e-04
1606	177	1.46	-0.32	-0.11	1.86e-04	0.0	-1.99e-04
1606	200	-0.35	2.51	0.02	-1.50e-03	0.0	1.89e-05
1606	204	1.68	1.25	-0.13	-7.57e-04	0.0	-1.68e-04
1606	209	1.68	-0.38	-0.13	2.15e-04	0.0	-2.31e-04
1606	232	-0.41	2.93	0.02	-1.74e-03	0.0	2.11e-05
1607	4	0.01	0.66	-0.01	-5.80e-05	0.0	2.15e-04
1607	18	0.01	1.07	-0.01	-9.52e-05	0.0	3.70e-04
1607	28	0.01	-0.43	-0.01	9.94e-05	0.0	-1.31e-04
1607	68	0.01	0.44	-0.01	-3.87e-05	0.0	1.43e-04
1607	75	9.58e-03	0.72	-0.01	-6.35e-05	0.0	2.46e-04
1607	80	9.16e-03	-0.28	-0.01	6.62e-05	0.0	-8.78e-05
1607	98	7.26e-03	0.02	-0.01	-1.07e-06	0.0	-8.99e-06
1607	103	7.21e-03	0.16	-0.01	-1.35e-05	0.0	4.23e-05
1607	107	6.86e-03	0.02	-0.01	-1.03e-06	0.0	-8.68e-06
1607	108	1.87	1.24	-0.11	-5.77e-04	0.0	-1.68e-04
1607	136	-0.43	2.86	0.01	-1.32e-03	0.0	1.56e-05
1607	140	2.10	1.39	-0.12	-6.49e-04	0.0	-1.89e-04
1607	168	-0.48	3.22	0.01	-1.49e-03	0.0	1.83e-05
1607	172	2.01	1.37	-0.11	-6.40e-04	0.0	-1.87e-04
1607	200	-0.48	3.18	0.01	-1.47e-03	0.0	1.46e-05
1607	204	2.32	1.59	-0.13	-7.45e-04	0.0	-2.17e-04
1607	232	-0.56	3.71	0.02	-1.71e-03	0.0	1.61e-05
1608	4	0.02	0.48	-0.08	-9.25e-05	0.0	8.80e-05
1608	18	0.02	0.75	-0.07	-1.55e-04	0.0	1.57e-04
1608	28	0.02	-0.34	-0.09	1.22e-04	0.0	-6.45e-05
1608	68	0.01	0.32	-0.06	-6.16e-05	0.0	5.81e-05
1608	75	0.01	0.51	-0.05	-1.03e-04	0.0	1.04e-04
1608	80	0.01	-0.22	-0.07	8.13e-05	0.0	-4.36e-05
1608	98	8.71e-03	0.03	-0.05	0.0	0.0	-7.95e-06
1608	103	8.70e-03	0.13	-0.05	-1.99e-05	0.0	1.47e-05
1608	107	8.27e-03	0.03	-0.05	0.0	0.0	-7.67e-06

1608	108	2.11	1.75	-0.04	-6.91e-04	0.0	-2.16e-04
1608	136	-0.48	3.51	-0.02	-1.39e-03	0.0	6.74e-06
1608	139	0.50	-3.44	-0.08	1.39e-03	0.0	-2.21e-05
1608	140	2.38	1.97	-0.04	-7.78e-04	0.0	-2.42e-04
1608	168	-0.54	3.94	-0.02	-1.56e-03	0.0	8.44e-06
1608	171	0.56	-3.88	-0.08	1.56e-03	0.0	-2.38e-05
1608	172	2.28	1.94	-0.04	-7.67e-04	0.0	-2.40e-04
1608	200	-0.54	3.91	-0.02	-1.55e-03	0.0	6.14e-06
1608	203	0.56	-3.84	-0.08	1.55e-03	0.0	-2.15e-05
1608	204	2.63	2.26	-0.03	-8.95e-04	0.0	-2.79e-04
1608	232	-0.63	4.56	-0.02	-1.81e-03	0.0	6.75e-06
1608	235	0.65	-4.49	-0.09	1.81e-03	0.0	-2.21e-05
1609	4	0.02	0.51	-0.10	-6.20e-05	0.0	4.45e-05
1609	18	0.02	0.81	-0.09	-1.12e-04	0.0	8.55e-05
1609	28	0.01	-0.39	-0.11	1.23e-04	0.0	-4.58e-05
1609	68	0.01	0.34	-0.07	-4.08e-05	0.0	2.90e-05
1609	75	0.01	0.54	-0.06	-7.44e-05	0.0	5.63e-05
1609	80	0.01	-0.26	-0.08	8.26e-05	0.0	-3.12e-05
1609	98	8.24e-03	0.03	-0.07	7.46e-06	0.0	-9.19e-06
1609	103	8.35e-03	0.13	-0.06	-9.21e-06	0.0	4.32e-06
1609	107	7.82e-03	0.03	-0.06	7.20e-06	0.0	-8.85e-06
1609	108	2.35	2.05	-0.05	-6.85e-04	0.0	-2.56e-04
1609	136	-0.53	4.11	-0.04	-1.38e-03	0.0	-1.97e-04
1609	139	0.55	-4.04	-0.09	1.39e-03	0.0	1.80e-04
1609	140	2.64	2.31	-0.05	-7.72e-04	0.0	-2.88e-04
1609	168	-0.60	4.62	-0.03	-1.55e-03	0.0	-2.22e-04
1609	171	0.62	-4.56	-0.09	1.57e-03	0.0	2.04e-04
1609	172	2.53	2.28	-0.05	-7.62e-04	0.0	-2.85e-04
1609	200	-0.60	4.58	-0.04	-1.54e-03	0.0	-2.25e-04
1609	203	0.62	-4.52	-0.09	1.55e-03	0.0	2.07e-04
1609	204	2.92	2.65	-0.05	-8.90e-04	0.0	-3.32e-04
1609	232	-0.70	5.34	-0.03	-1.80e-03	0.0	-2.67e-04
1609	235	0.71	-5.28	-0.09	1.81e-03	0.0	2.49e-04
1610	18	0.01	0.84	-0.12	-8.52e-05	0.0	1.36e-05
1610	28	9.01e-03	-0.45	-0.15	1.26e-04	0.0	-2.32e-05
1610	75	9.12e-03	0.56	-0.08	-5.59e-05	0.0	8.40e-06
1610	80	6.29e-03	-0.29	-0.11	8.47e-05	0.0	-1.62e-05
1610	98	5.34e-03	0.03	-0.09	1.25e-05	0.0	-8.78e-06
1610	103	5.72e-03	0.13	-0.08	-1.69e-06	0.0	-4.97e-06
1610	107	5.06e-03	0.02	-0.08	1.21e-05	0.0	-8.47e-06
1610	108	2.58	2.35	-0.07	-6.80e-04	0.0	-2.91e-04
1610	136	-0.59	4.70	-0.07	-1.37e-03	0.0	-2.24e-04
1610	139	0.60	-4.65	-0.10	1.40e-03	0.0	2.07e-04
1610	140	2.90	2.64	-0.07	-7.67e-04	0.0	-3.26e-04
1610	168	-0.66	5.29	-0.06	-1.54e-03	0.0	-2.53e-04
1610	171	0.67	-5.24	-0.10	1.57e-03	0.0	2.36e-04
1610	172	2.78	2.60	-0.07	-7.57e-04	0.0	-3.24e-04
1610	200	-0.66	5.24	-0.06	-1.53e-03	0.0	-2.56e-04
1610	203	0.67	-5.19	-0.10	1.56e-03	0.0	2.39e-04
1610	204	3.20	3.03	-0.07	-8.85e-04	0.0	-3.78e-04
1610	232	-0.77	6.11	-0.06	-1.79e-03	0.0	-3.05e-04
1610	235	0.78	-6.06	-0.11	1.81e-03	0.0	2.88e-04
1611	4	0.02	0.55	-0.02	-2.81e-05	0.0	1.30e-04
1611	18	0.02	0.89	-0.02	-4.93e-05	0.0	2.30e-04
1611	28	0.01	-0.39	-0.02	9.27e-05	0.0	-9.15e-05
1611	68	0.01	0.37	-0.01	-1.86e-05	0.0	8.60e-05
1611	75	0.01	0.59	-0.01	-3.27e-05	0.0	1.52e-04
1611	80	0.01	-0.26	-0.01	6.19e-05	0.0	-6.18e-05
1611	98	8.39e-03	0.03	-0.01	2.15e-06	0.0	-1.04e-05
1611	103	8.40e-03	0.14	-0.01	-4.87e-06	0.0	2.26e-05
1611	107	7.96e-03	0.03	-0.01	2.09e-06	0.0	-1.00e-05
1611	108	2.12	1.62	-0.02	-6.27e-04	0.0	-2.13e-04
1611	113	2.11	-0.29	-0.02	1.18e-04	0.0	-2.71e-04
1611	136	-0.48	3.46	-8.35e-03	-1.34e-03	0.0	5.97e-06
1611	140	2.38	1.82	-0.02	-7.06e-04	0.0	-2.39e-04
1611	145	2.38	-0.33	-0.02	1.33e-04	0.0	-3.04e-04
1611	168	-0.54	3.90	-7.88e-03	-1.51e-03	0.0	7.81e-06
1611	172	2.28	1.79	-0.02	-6.96e-04	0.0	-2.37e-04
1611	177	2.28	-0.32	-0.02	1.29e-04	0.0	-3.02e-04
1611	200	-0.54	3.86	-7.86e-03	-1.49e-03	0.0	5.04e-06
1611	204	2.63	2.08	-0.02	-8.12e-04	0.0	-2.75e-04
1611	209	2.63	-0.37	-0.03	1.48e-04	0.0	-3.52e-04
1611	232	-0.63	4.50	-7.19e-03	-1.74e-03	0.0	5.62e-06
1612	4	0.02	0.55	-0.02	2.17e-05	0.0	6.52e-05
1612	18	0.02	0.88	-0.02	2.84e-05	0.0	1.21e-04

1612	28	0.01	-0.43	-0.02	7.84e-05	0.0	-5.87e-05
1612	68	0.01	0.37	-0.01	1.49e-05	0.0	4.27e-05
1612	75	0.01	0.59	-0.01	1.94e-05	0.0	8.00e-05
1612	80	9.48e-03	-0.28	-0.02	5.28e-05	0.0	-3.99e-05
1612	98	7.79e-03	0.03	-0.01	6.41e-06	0.0	-1.03e-05
1612	103	7.92e-03	0.14	-0.01	8.77e-06	0.0	8.23e-06
1612	107	7.40e-03	0.02	-0.01	6.20e-06	0.0	-9.91e-06
1612	108	2.35	1.89	-0.02	-6.21e-04	0.0	-2.55e-04
1612	113	2.34	-0.34	-0.03	1.20e-04	0.0	-2.58e-04
1612	136	-0.53	4.04	-8.15e-03	-1.33e-03	0.0	-1.97e-04
1612	140	2.64	2.12	-0.02	-6.99e-04	0.0	-2.86e-04
1612	145	2.64	-0.39	-0.03	1.34e-04	0.0	-2.89e-04
1612	168	-0.60	4.55	-7.50e-03	-1.50e-03	0.0	-2.21e-04
1612	172	2.53	2.09	-0.02	-6.90e-04	0.0	-2.84e-04
1612	177	2.53	-0.38	-0.03	1.31e-04	0.0	-2.87e-04
1612	200	-0.60	4.50	-7.46e-03	-1.48e-03	0.0	-2.24e-04
1612	204	2.92	2.43	-0.03	-8.05e-04	0.0	-3.30e-04
1612	209	2.91	-0.44	-0.03	1.49e-04	0.0	-3.34e-04
1612	232	-0.70	5.25	-6.50e-03	-1.73e-03	0.0	-2.66e-04
1613	18	0.01	0.83	-0.02	7.28e-05	0.0	1.63e-05
1613	28	0.01	-0.45	-0.03	7.11e-05	0.0	-2.32e-05
1613	75	9.64e-03	0.56	-0.02	4.93e-05	0.0	1.02e-05
1613	80	7.14e-03	-0.30	-0.02	4.81e-05	0.0	-1.61e-05
1613	98	5.99e-03	0.02	-0.02	9.24e-06	0.0	-8.44e-06
1613	103	6.32e-03	0.13	-0.02	1.69e-05	0.0	-4.36e-06
1613	107	5.69e-03	0.02	-0.02	8.93e-06	0.0	-8.15e-06
1613	108	2.58	2.15	-0.03	-6.17e-04	0.0	-2.90e-04
1613	113	2.57	-0.40	-0.03	1.22e-04	0.0	-2.90e-04
1613	136	-0.59	4.61	-9.37e-03	-1.32e-03	0.0	-2.24e-04
1613	140	2.90	2.42	-0.03	-6.95e-04	0.0	-3.25e-04
1613	145	2.89	-0.45	-0.03	1.36e-04	0.0	-3.26e-04
1613	168	-0.66	5.19	-8.48e-03	-1.49e-03	0.0	-2.52e-04
1613	172	2.78	2.39	-0.03	-6.86e-04	0.0	-3.23e-04
1613	177	2.78	-0.44	-0.03	1.33e-04	0.0	-3.23e-04
1613	200	-0.66	5.14	-8.43e-03	-1.48e-03	0.0	-2.56e-04
1613	204	3.20	2.78	-0.03	-8.01e-04	0.0	-3.76e-04
1613	209	3.20	-0.50	-0.03	1.51e-04	0.0	-3.77e-04
1613	232	-0.77	5.99	-7.11e-03	-1.72e-03	0.0	-3.04e-04
1614	4	0.02	0.64	-0.02	4.72e-05	0.0	1.47e-04
1614	18	0.02	1.04	-0.02	7.61e-05	0.0	2.59e-04
1614	28	0.01	-0.45	-0.02	5.50e-05	0.0	-1.01e-04
1614	68	0.01	0.43	-0.01	3.16e-05	0.0	9.73e-05
1614	75	0.01	0.70	-0.01	5.09e-05	0.0	1.72e-04
1614	80	9.75e-03	-0.30	-0.01	3.69e-05	0.0	-6.83e-05
1614	98	7.90e-03	0.02	-0.01	2.20e-06	0.0	-1.08e-05
1614	103	7.92e-03	0.16	-0.01	1.19e-05	0.0	2.61e-05
1614	107	7.50e-03	0.02	-0.01	2.13e-06	0.0	-1.04e-05
1614	108	2.12	1.48	-0.10	-5.66e-04	0.0	-2.12e-04
1614	136	-0.48	3.42	9.27e-03	-1.30e-03	0.0	6.12e-06
1614	140	2.38	1.66	-0.11	-6.37e-04	0.0	-2.37e-04
1614	168	-0.54	3.85	0.01	-1.46e-03	0.0	8.01e-06
1614	172	2.28	1.64	-0.11	-6.29e-04	0.0	-2.35e-04
1614	200	-0.54	3.81	0.01	-1.44e-03	0.0	5.11e-06
1614	204	2.63	1.91	-0.12	-7.33e-04	0.0	-2.74e-04
1614	232	-0.63	4.44	0.02	-1.68e-03	0.0	5.71e-06
1615	4	0.02	0.59	-0.02	1.11e-04	0.0	7.04e-05
1615	18	0.02	0.96	-0.02	1.81e-04	0.0	1.30e-04
1615	28	0.01	-0.46	-0.02	2.66e-05	0.0	-6.11e-05
1615	68	0.01	0.39	-0.01	7.44e-05	0.0	4.62e-05
1615	75	0.01	0.64	-0.01	1.21e-04	0.0	8.58e-05
1615	80	9.23e-03	-0.31	-0.01	1.81e-05	0.0	-4.15e-05
1615	98	7.52e-03	0.02	-0.01	3.65e-06	0.0	-1.02e-05
1615	103	7.65e-03	0.14	-0.01	2.70e-05	0.0	9.41e-06
1615	107	7.15e-03	0.02	-0.01	3.54e-06	0.0	-9.86e-06
1615	108	2.35	1.72	-0.10	-5.60e-04	0.0	-2.54e-04
1615	136	-0.53	3.98	7.70e-03	-1.28e-03	0.0	-1.96e-04
1615	140	2.64	1.94	-0.11	-6.31e-04	0.0	-2.85e-04
1615	168	-0.60	4.48	0.01	-1.44e-03	0.0	-2.21e-04
1615	172	2.53	1.91	-0.10	-6.22e-04	0.0	-2.83e-04
1615	200	-0.60	4.43	0.01	-1.43e-03	0.0	-2.23e-04
1615	204	2.92	2.22	-0.12	-7.26e-04	0.0	-3.29e-04
1615	232	-0.70	5.16	0.01	-1.67e-03	0.0	-2.65e-04
1616	18	0.01	0.83	-0.02	2.52e-04	0.0	2.53e-06
1616	28	0.01	-0.46	-0.02	6.21e-06	0.0	-1.44e-05
1616	75	9.98e-03	0.55	-0.01	1.68e-04	0.0	1.18e-06

1616	80	7.94e-03	-0.31	-0.01	4.47e-06	0.0	-1.01e-05
1616	98	6.54e-03	0.02	-0.01	4.00e-06	0.0	-6.34e-06
1616	103	6.81e-03	0.12	-0.01	3.67e-05	0.0	-4.58e-06
1616	107	6.22e-03	0.02	-0.01	3.89e-06	0.0	-6.13e-06
1616	108	2.58	1.96	-0.10	-5.56e-04	0.0	-2.89e-04
1616	136	-0.59	4.53	6.66e-03	-1.28e-03	0.0	-2.23e-04
1616	140	2.90	2.21	-0.11	-6.26e-04	0.0	-3.24e-04
1616	168	-0.66	5.10	9.09e-03	-1.44e-03	0.0	-2.51e-04
1616	172	2.78	2.18	-0.10	-6.18e-04	0.0	-3.22e-04
1616	200	-0.66	5.04	9.08e-03	-1.42e-03	0.0	-2.55e-04
1616	204	3.20	2.53	-0.12	-7.20e-04	0.0	-3.75e-04
1616	232	-0.77	5.87	0.01	-1.66e-03	0.0	-3.03e-04
1617	1	0.0	0.0	0.0	-7.33e-04	0.0	0.0
1617	65	0.0	0.0	0.0	-4.89e-04	0.0	0.0
1617	97	0.0	0.0	0.0	-3.05e-06	0.0	0.0
1617	106	0.0	0.0	0.0	-3.05e-06	0.0	0.0
1617	108	0.0	0.0	0.0	-4.40e-04	0.0	-3.95e-06
1617	140	0.0	0.0	0.0	-4.94e-04	0.0	-4.44e-06
1617	172	0.0	0.0	0.0	-4.87e-04	0.0	-4.39e-06
1617	204	0.0	0.0	0.0	-5.66e-04	0.0	-5.12e-06
1618	4	1.32e-03	0.31	-1.79e-03	-6.95e-04	0.0	-1.28e-06
1618	18	1.26e-03	0.52	-1.79e-03	-1.15e-03	0.0	-1.67e-06
1618	49	6.03e-04	1.72e-03	-1.88e-03	-4.01e-06	0.0	0.0
1618	68	9.21e-04	0.21	-1.39e-03	-4.64e-04	0.0	0.0
1618	75	8.77e-04	0.35	-1.39e-03	-7.69e-04	0.0	-1.14e-06
1618	89	4.40e-04	1.28e-03	-1.45e-03	-2.96e-06	0.0	0.0
1618	97	4.40e-04	1.28e-03	-1.45e-03	-2.96e-06	0.0	0.0
1618	98	6.82e-04	1.73e-03	-1.42e-03	-4.04e-06	0.0	0.0
1618	103	6.77e-04	0.07	-1.42e-03	-1.57e-04	0.0	0.0
1618	106	4.40e-04	1.28e-03	-1.45e-03	-2.96e-06	0.0	0.0
1618	107	6.47e-04	1.67e-03	-1.42e-03	-3.88e-06	0.0	0.0
1618	108	0.21	0.18	0.02	-4.37e-04	0.0	-4.18e-05
1618	111	-0.21	-0.18	-0.02	4.30e-04	0.0	4.11e-05
1618	132	-0.03	0.55	-4.70e-03	-1.36e-03	0.0	-3.21e-05
1618	140	0.24	0.20	0.02	-4.92e-04	0.0	-4.70e-05
1618	143	-0.23	-0.20	-0.02	4.84e-04	0.0	4.63e-05
1618	164	-0.04	0.62	-5.09e-03	-1.53e-03	0.0	-3.61e-05
1618	172	0.23	0.20	0.02	-4.84e-04	0.0	-4.65e-05
1618	178	-0.22	0.16	-0.02	-4.15e-04	0.0	4.59e-05
1618	196	-0.04	0.61	-5.03e-03	-1.50e-03	0.0	-3.61e-05
1618	204	0.26	0.23	0.02	-5.62e-04	0.0	-5.43e-05
1618	210	-0.26	0.19	-0.03	-4.81e-04	0.0	5.37e-05
1618	232	-0.06	0.70	-7.58e-03	-1.75e-03	0.0	-4.38e-05
1619	4	0.53	0.25	-1.10	0.0	6.54e-05	-2.06e-05
1619	44	0.46	-2.16	-0.90	0.0	5.52e-05	-1.90e-05
1619	68	0.37	0.13	-0.77	0.0	4.56e-05	-1.49e-05
1619	88	0.32	-1.47	-0.64	0.0	3.89e-05	-1.38e-05
1619	98	0.30	-0.42	-0.62	0.0	3.57e-05	-1.42e-05
1619	105	0.29	-0.60	-0.58	0.0	3.39e-05	-1.36e-05
1619	107	0.29	-0.40	-0.59	0.0	3.41e-05	-1.37e-05
1619	108	8.96	-3.68	-0.91	0.0	3.09e-04	-4.78e-04
1619	113	8.96	-9.01	-0.81	0.0	2.40e-04	-4.78e-04
1619	129	-1.03	-12.20	-0.40	0.0	-4.62e-05	-4.08e-04
1619	140	10.06	-4.09	-0.95	0.0	3.43e-04	-5.36e-04
1619	145	10.06	-10.09	-0.84	0.0	2.66e-04	-5.36e-04
1619	161	-1.19	-13.69	-0.38	0.0	-5.62e-05	-4.58e-04
1619	172	9.93	-3.99	-0.94	0.0	3.35e-04	-5.22e-04
1619	177	9.94	-9.90	-0.83	0.0	2.60e-04	-5.22e-04
1619	193	-1.13	-13.66	-0.38	0.0	-5.43e-05	-4.57e-04
1619	204	11.56	-4.58	-1.00	0.0	3.84e-04	-6.03e-04
1619	209	11.56	-11.45	-0.87	0.0	2.96e-04	-6.03e-04
1619	225	-1.31	-15.97	-0.35	0.0	-6.70e-05	-5.40e-04
1620	4	0.56	0.22	-1.11	0.0	6.26e-05	-2.35e-05
1620	44	0.48	-2.23	-0.92	0.0	5.29e-05	-2.11e-05
1620	68	0.39	0.11	-0.78	0.0	4.38e-05	-1.70e-05
1620	88	0.34	-1.52	-0.65	0.0	3.73e-05	-1.54e-05
1620	98	0.32	-0.44	-0.63	0.0	3.41e-05	-1.56e-05
1620	105	0.30	-0.64	-0.59	0.0	3.24e-05	-1.50e-05
1620	107	0.30	-0.43	-0.60	0.0	3.26e-05	-1.51e-05
1620	108	9.10	-3.73	-0.92	0.0	2.90e-04	-4.88e-04
1620	129	-1.05	-12.48	-0.41	0.0	-4.67e-05	-4.09e-04
1620	140	10.21	-4.15	-0.96	0.0	3.22e-04	-5.47e-04
1620	161	-1.22	-14.01	-0.39	0.0	-5.65e-05	-4.60e-04
1620	172	10.08	-4.04	-0.95	0.0	3.15e-04	-5.35e-04
1620	193	-1.16	-13.97	-0.39	0.0	-5.47e-05	-4.60e-04

1620	204	11.73	-4.63	-1.00	0.0	3.60e-04	-6.19e-04
1620	225	-1.34	-16.33	-0.36	0.0	-6.72e-05	-5.43e-04
1621	4	2.28e-03	0.60	-2.88e-03	-5.76e-04	0.0	-1.06e-05
1621	18	2.20e-03	0.99	-2.89e-03	-9.55e-04	0.0	-1.66e-05
1621	49	1.06e-03	3.42e-03	-3.09e-03	-3.66e-06	0.0	0.0
1621	68	1.59e-03	0.40	-2.24e-03	-3.84e-04	0.0	-7.10e-06
1621	75	1.54e-03	0.66	-2.25e-03	-6.37e-04	0.0	-1.11e-05
1621	89	7.80e-04	2.53e-03	-2.38e-03	-2.70e-06	0.0	0.0
1621	97	7.80e-04	2.53e-03	-2.38e-03	-2.70e-06	0.0	0.0
1621	103	1.17e-03	0.14	-2.31e-03	-1.30e-04	0.0	-2.82e-06
1621	106	7.80e-04	2.53e-03	-2.38e-03	-2.70e-06	0.0	0.0
1621	107	1.11e-03	3.30e-03	-2.32e-03	-3.55e-06	0.0	0.0
1621	108	0.38	0.36	0.04	-4.29e-04	0.0	-8.37e-05
1621	111	-0.37	-0.35	-0.04	4.22e-04	0.0	8.22e-05
1621	132	-0.06	1.09	-9.12e-03	-1.34e-03	0.0	-6.47e-05
1621	140	0.42	0.40	0.04	-4.82e-04	0.0	-9.42e-05
1621	143	-0.42	-0.39	-0.05	4.75e-04	0.0	9.26e-05
1621	164	-0.07	1.23	-9.94e-03	-1.51e-03	0.0	-7.29e-05
1621	172	0.41	0.39	0.04	-4.75e-04	0.0	-9.32e-05
1621	178	-0.40	0.33	-0.05	-4.13e-04	0.0	9.15e-05
1621	196	-0.07	1.21	-9.80e-03	-1.48e-03	0.0	-7.29e-05
1621	204	0.47	0.46	0.05	-5.51e-04	0.0	-1.09e-04
1621	210	-0.47	0.38	-0.05	-4.79e-04	0.0	1.07e-04
1621	228	-0.08	1.41	-0.01	-1.72e-03	0.0	-8.59e-05
1622	4	0.51	0.28	-1.08	0.0	6.50e-05	-2.08e-05
1622	44	0.44	-2.07	-0.88	0.0	5.58e-05	-1.74e-05
1622	68	0.36	0.16	-0.76	0.0	4.55e-05	-1.49e-05
1622	88	0.31	-1.41	-0.62	0.0	3.93e-05	-1.26e-05
1622	98	0.29	-0.38	-0.61	0.0	3.61e-05	-1.39e-05
1622	105	0.28	-0.57	-0.57	0.0	3.43e-05	-1.31e-05
1622	107	0.28	-0.37	-0.58	0.0	3.44e-05	-1.32e-05
1622	108	8.90	-3.61	-0.98	0.0	3.73e-04	-4.62e-04
1622	113	8.91	-8.81	-0.86	0.0	2.93e-04	-4.61e-04
1622	129	-0.95	-11.87	-0.37	0.0	-4.68e-05	-3.98e-04
1622	140	9.99	-4.02	-1.03	0.0	4.16e-04	-5.19e-04
1622	145	10.00	-9.87	-0.90	0.0	3.26e-04	-5.17e-04
1622	161	-1.09	-13.33	-0.35	0.0	-5.68e-05	-4.47e-04
1622	172	9.89	-3.93	-1.01	0.0	4.07e-04	-5.04e-04
1622	177	9.91	-9.68	-0.89	0.0	3.19e-04	-5.02e-04
1622	193	-1.03	-13.30	-0.35	0.0	-5.47e-05	-4.45e-04
1622	204	11.52	-4.51	-1.08	0.0	4.68e-04	-5.81e-04
1622	209	11.54	-11.21	-0.94	0.0	3.66e-04	-5.78e-04
1622	225	-1.19	-15.55	-0.31	0.0	-6.71e-05	-5.24e-04
1623	4	4.94e-03	0.80	-5.24e-03	-4.03e-04	0.0	-2.76e-06
1623	18	4.85e-03	1.33	-5.28e-03	-6.68e-04	0.0	-3.41e-06
1623	49	2.23e-03	4.76e-03	-5.70e-03	-3.19e-06	0.0	0.0
1623	68	3.44e-03	0.53	-4.09e-03	-2.69e-04	0.0	-1.91e-06
1623	75	3.38e-03	0.89	-4.12e-03	-4.45e-04	0.0	-2.34e-06
1623	89	1.64e-03	3.52e-03	-4.40e-03	-2.35e-06	0.0	0.0
1623	97	1.64e-03	3.52e-03	-4.40e-03	-2.35e-06	0.0	0.0
1623	103	2.50e-03	0.18	-4.25e-03	-9.15e-05	0.0	-1.17e-06
1623	106	1.64e-03	3.52e-03	-4.40e-03	-2.35e-06	0.0	0.0
1623	107	2.35e-03	4.61e-03	-4.27e-03	-3.11e-06	0.0	0.0
1623	108	0.83	0.53	0.08	-4.17e-04	0.0	-1.10e-04
1623	114	-0.82	0.45	-0.09	-3.68e-04	0.0	1.08e-04
1623	132	-0.13	1.62	-0.02	-1.31e-03	0.0	-8.47e-05
1623	140	0.93	0.59	0.10	-4.69e-04	0.0	-1.24e-04
1623	146	-0.93	0.50	-0.10	-4.14e-04	0.0	1.22e-04
1623	164	-0.15	1.83	-0.02	-1.47e-03	0.0	-9.55e-05
1623	172	0.89	0.58	0.09	-4.62e-04	0.0	-1.22e-04
1623	178	-0.89	0.49	-0.10	-4.08e-04	0.0	1.20e-04
1623	196	-0.14	1.80	-0.02	-1.45e-03	0.0	-9.54e-05
1623	204	1.03	0.68	0.11	-5.36e-04	0.0	-1.43e-04
1623	210	-1.02	0.57	-0.11	-4.73e-04	0.0	1.41e-04
1623	228	-0.17	2.09	-0.02	-1.69e-03	0.0	-1.12e-04
1624	4	0.54	0.25	-1.09	0.0	6.55e-05	-9.26e-06
1624	44	0.47	-2.15	-0.89	0.0	5.61e-05	-9.13e-06
1624	68	0.38	0.14	-0.76	0.0	4.59e-05	-6.98e-06
1624	88	0.33	-1.47	-0.63	0.0	3.96e-05	-6.89e-06
1624	98	0.31	-0.41	-0.61	0.0	3.59e-05	-8.15e-06
1624	105	0.30	-0.60	-0.58	0.0	3.42e-05	-7.84e-06
1624	107	0.30	-0.40	-0.58	0.0	3.44e-05	-7.85e-06
1624	108	9.07	-3.68	-0.98	0.0	3.36e-04	-4.70e-04
1624	112	9.07	-4.25	-0.93	0.0	3.22e-04	-6.05e-04
1624	129	-0.97	-12.20	-0.37	0.0	-4.82e-05	-4.01e-04

1624	140	10.18	-4.09	-1.03	0.0	3.74e-04	-5.28e-04
1624	144	10.18	-4.74	-0.97	0.0	3.58e-04	-6.80e-04
1624	161	-1.12	-13.70	-0.35	0.0	-5.84e-05	-4.52e-04
1624	172	10.08	-3.99	-1.02	0.0	3.66e-04	-5.14e-04
1624	176	10.08	-4.69	-0.96	0.0	3.50e-04	-6.65e-04
1624	193	-1.06	-13.67	-0.35	0.0	-5.64e-05	-4.50e-04
1624	204	11.73	-4.58	-1.09	0.0	4.19e-04	-5.95e-04
1624	208	11.74	-5.43	-1.02	0.0	4.01e-04	-7.72e-04
1624	225	-1.22	-15.98	-0.31	0.0	-6.94e-05	-5.33e-04
1625	4	7.84e-04	0.31	-2.16e-03	-6.95e-04	0.0	0.0
1625	18	8.19e-04	0.52	-2.15e-03	-1.15e-03	0.0	0.0
1625	68	5.44e-04	0.21	-1.64e-03	-4.64e-04	0.0	0.0
1625	75	5.67e-04	0.35	-1.64e-03	-7.69e-04	0.0	0.0
1625	103	3.73e-04	0.07	-1.61e-03	-1.57e-04	0.0	0.0
1625	107	3.36e-04	1.45e-03	-1.60e-03	-3.53e-06	0.0	0.0
1625	108	0.21	0.15	-0.02	-3.81e-04	0.0	-4.19e-05
1625	130	0.05	0.55	-6.88e-03	-1.36e-03	0.0	3.15e-05
1625	140	0.24	0.17	-0.03	-4.28e-04	0.0	-4.71e-05
1625	162	0.06	0.62	-7.55e-03	-1.53e-03	0.0	3.56e-05
1625	172	0.23	0.17	-0.03	-4.21e-04	0.0	-4.66e-05
1625	194	0.06	0.61	-7.54e-03	-1.51e-03	0.0	3.61e-05
1625	204	0.26	0.19	-0.03	-4.89e-04	0.0	-5.45e-05
1625	226	0.06	0.71	-8.45e-03	-1.75e-03	0.0	4.31e-05
1626	1	0.0	0.0	0.0	-7.33e-04	0.0	0.0
1626	65	0.0	0.0	0.0	-4.89e-04	0.0	0.0
1626	97	0.0	0.0	0.0	-2.76e-06	0.0	0.0
1626	106	0.0	0.0	0.0	-2.76e-06	0.0	0.0
1626	108	0.0	0.0	0.0	-3.81e-04	0.0	-3.95e-06
1626	140	0.0	0.0	0.0	-4.28e-04	0.0	-4.44e-06
1626	172	0.0	0.0	0.0	-4.21e-04	0.0	-4.39e-06
1626	204	0.0	0.0	0.0	-4.89e-04	0.0	-5.13e-06
1627	18	1.61e-03	0.99	-3.73e-03	-9.55e-04	0.0	1.60e-05
1627	75	1.11e-03	0.66	-2.84e-03	-6.37e-04	0.0	1.06e-05
1627	103	7.53e-04	0.13	-2.77e-03	-1.30e-04	0.0	1.62e-06
1627	107	6.89e-04	2.88e-03	-2.75e-03	-3.26e-06	0.0	0.0
1627	108	0.38	0.30	-0.05	-3.81e-04	0.0	-8.36e-05
1627	130	0.09	1.09	-0.01	-1.34e-03	0.0	6.34e-05
1627	140	0.42	0.34	-0.06	-4.28e-04	0.0	-9.41e-05
1627	162	0.10	1.23	-0.02	-1.51e-03	0.0	7.18e-05
1627	172	0.41	0.33	-0.05	-4.21e-04	0.0	-9.31e-05
1627	194	0.10	1.21	-0.02	-1.48e-03	0.0	7.26e-05
1627	204	0.47	0.39	-0.06	-4.89e-04	0.0	-1.09e-04
1627	226	0.12	1.41	-0.02	-1.73e-03	0.0	8.68e-05
1628	4	4.80e-03	0.80	-6.86e-03	-4.03e-04	0.0	0.0
1628	18	4.73e-03	1.33	-6.86e-03	-6.67e-04	0.0	2.67e-06
1628	68	3.34e-03	0.53	-5.22e-03	-2.69e-04	0.0	0.0
1628	75	3.29e-03	0.89	-5.23e-03	-4.45e-04	0.0	1.71e-06
1628	103	2.41e-03	0.18	-5.08e-03	-9.13e-05	0.0	0.0
1628	107	2.26e-03	4.07e-03	-5.05e-03	-2.88e-06	0.0	0.0
1628	108	0.83	0.45	-0.10	-3.77e-04	0.0	-1.10e-04
1628	130	0.20	1.63	-0.03	-1.31e-03	0.0	8.30e-05
1628	140	0.93	0.51	-0.11	-4.23e-04	0.0	-1.24e-04
1628	162	0.22	1.83	-0.03	-1.47e-03	0.0	9.38e-05
1628	172	0.89	0.50	-0.10	-4.17e-04	0.0	-1.22e-04
1628	194	0.22	1.80	-0.03	-1.45e-03	0.0	9.49e-05
1628	204	1.03	0.58	-0.12	-4.84e-04	0.0	-1.43e-04
1628	226	0.25	2.10	-0.03	-1.69e-03	0.0	1.14e-04
1629	4	8.63e-03	0.94	-7.99e-03	-1.79e-04	0.0	-3.47e-06
1629	18	8.47e-03	1.56	-8.03e-03	-2.95e-04	0.0	-4.34e-06
1629	49	3.91e-03	6.09e-03	-8.51e-03	-2.69e-06	0.0	-1.12e-06
1629	68	6.01e-03	0.63	-6.21e-03	-1.20e-04	0.0	-2.40e-06
1629	75	5.91e-03	1.04	-6.25e-03	-1.97e-04	0.0	-2.98e-06
1629	89	2.87e-03	4.50e-03	-6.56e-03	-1.98e-06	0.0	0.0
1629	97	2.87e-03	4.50e-03	-6.56e-03	-1.98e-06	0.0	0.0
1629	103	4.36e-03	0.21	-6.39e-03	-4.14e-05	0.0	-1.45e-06
1629	106	2.87e-03	4.50e-03	-6.56e-03	-1.98e-06	0.0	0.0
1629	107	4.11e-03	5.92e-03	-6.41e-03	-2.64e-06	0.0	-1.09e-06
1629	108	1.38	0.71	0.10	-4.05e-04	0.0	-1.36e-04
1629	114	-1.37	0.61	-0.11	-3.56e-04	0.0	1.34e-04
1629	132	-0.22	2.21	-0.02	-1.27e-03	0.0	-1.05e-04
1629	140	1.55	0.80	0.11	-4.55e-04	0.0	-1.53e-04
1629	146	-1.54	0.68	-0.12	-4.01e-04	0.0	1.51e-04
1629	164	-0.24	2.48	-0.03	-1.43e-03	0.0	-1.18e-04
1629	172	1.49	0.79	0.11	-4.48e-04	0.0	-1.52e-04
1629	178	-1.48	0.67	-0.12	-3.95e-04	0.0	1.49e-04

1629	196	-0.24	2.44	-0.03	-1.41e-03	0.0	-1.18e-04
1629	204	1.72	0.92	0.12	-5.21e-04	0.0	-1.77e-04
1629	210	-1.71	0.78	-0.14	-4.58e-04	0.0	1.75e-04
1629	228	-0.28	2.84	-0.03	-1.64e-03	0.0	-1.39e-04
1630	4	0.57	0.22	-1.10	0.0	6.53e-05	-2.23e-05
1630	44	0.50	-2.23	-0.90	0.0	5.59e-05	-1.98e-05
1630	68	0.40	0.12	-0.77	0.0	4.58e-05	-1.62e-05
1630	88	0.35	-1.52	-0.64	0.0	3.95e-05	-1.45e-05
1630	98	0.33	-0.44	-0.62	0.0	3.56e-05	-1.49e-05
1630	105	0.31	-0.64	-0.58	0.0	3.40e-05	-1.43e-05
1630	107	0.31	-0.43	-0.59	0.0	3.42e-05	-1.45e-05
1630	108	9.22	-3.73	-0.99	0.0	3.21e-04	-4.87e-04
1630	129	-0.99	-12.48	-0.38	0.0	-4.77e-05	-4.08e-04
1630	140	10.35	-4.15	-1.04	0.0	3.57e-04	-5.46e-04
1630	161	-1.15	-14.01	-0.35	0.0	-5.78e-05	-4.58e-04
1630	172	10.24	-4.04	-1.03	0.0	3.49e-04	-5.34e-04
1630	193	-1.08	-13.97	-0.36	0.0	-5.59e-05	-4.58e-04
1630	204	11.93	-4.63	-1.10	0.0	4.00e-04	-6.17e-04
1630	225	-1.25	-16.33	-0.32	0.0	-6.88e-05	-5.41e-04
1631	4	0.01	0.98	-0.01	6.46e-05	0.0	-2.05e-05
1631	18	0.01	1.62	-0.01	1.11e-04	0.0	-3.24e-05
1631	49	5.92e-03	7.24e-03	-0.01	-2.20e-06	0.0	-1.38e-06
1631	68	8.91e-03	0.65	-9.19e-03	4.29e-05	0.0	-1.38e-05
1631	75	8.73e-03	1.08	-9.23e-03	7.36e-05	0.0	-2.17e-05
1631	89	4.35e-03	5.35e-03	-9.44e-03	-1.62e-06	0.0	-1.03e-06
1631	97	4.35e-03	5.35e-03	-9.44e-03	-1.62e-06	0.0	-1.03e-06
1631	103	6.53e-03	0.22	-9.32e-03	1.30e-05	0.0	-5.39e-06
1631	106	4.35e-03	5.35e-03	-9.44e-03	-1.62e-06	0.0	-1.03e-06
1631	107	6.16e-03	7.04e-03	-9.33e-03	-2.18e-06	0.0	-1.34e-06
1631	108	1.93	0.89	0.07	-3.94e-04	0.0	-1.65e-04
1631	114	-1.92	0.77	-0.09	-3.39e-04	0.0	1.62e-04
1631	132	-0.30	2.77	-0.02	-1.22e-03	0.0	-1.27e-04
1631	140	2.17	1.00	0.08	-4.43e-04	0.0	-1.85e-04
1631	146	-2.16	0.86	-0.10	-3.81e-04	0.0	1.82e-04
1631	164	-0.34	3.12	-0.02	-1.38e-03	0.0	-1.43e-04
1631	172	2.09	0.99	0.08	-4.36e-04	0.0	-1.84e-04
1631	178	-2.07	0.85	-0.10	-3.75e-04	0.0	1.80e-04
1631	196	-0.33	3.07	-0.02	-1.36e-03	0.0	-1.43e-04
1631	204	2.40	1.15	0.09	-5.07e-04	0.0	-2.14e-04
1631	210	-2.39	0.98	-0.11	-4.35e-04	0.0	2.11e-04
1631	228	-0.39	3.57	-0.03	-1.58e-03	0.0	-1.69e-04
1632	4	0.52	0.28	-1.02	0.0	5.45e-05	-1.96e-05
1632	44	0.45	-2.07	-0.82	0.0	4.84e-05	-1.62e-05
1632	68	0.36	0.16	-0.72	0.0	3.83e-05	-1.41e-05
1632	88	0.32	-1.41	-0.58	0.0	3.42e-05	-1.18e-05
1632	98	0.30	-0.38	-0.57	0.0	3.10e-05	-1.30e-05
1632	105	0.28	-0.57	-0.54	0.0	2.97e-05	-1.23e-05
1632	107	0.28	-0.37	-0.54	0.0	2.97e-05	-1.25e-05
1632	108	7.18	-3.61	-1.02	0.0	3.87e-04	-4.53e-04
1632	112	9.02	-4.16	-0.96	0.0	3.81e-04	-5.82e-04
1632	129	5.21	-11.87	-0.30	0.0	-4.24e-05	-3.79e-04
1632	140	8.05	-4.02	-1.08	0.0	4.32e-04	-5.08e-04
1632	144	10.12	-4.65	-1.01	0.0	4.25e-04	-6.54e-04
1632	161	5.84	-13.32	-0.27	0.0	-5.12e-05	-4.26e-04
1632	172	7.99	-3.93	-1.07	0.0	4.24e-04	-4.94e-04
1632	176	10.04	-4.60	-1.00	0.0	4.17e-04	-6.39e-04
1632	193	5.83	-13.30	-0.27	0.0	-4.89e-05	-4.23e-04
1632	204	9.31	-4.51	-1.15	0.0	4.88e-04	-5.71e-04
1632	208	11.71	-5.33	-1.07	0.0	4.81e-04	-7.41e-04
1632	225	6.83	-15.55	-0.23	0.0	-5.94e-05	-4.99e-04
1633	4	8.37e-03	0.94	-9.73e-03	-1.79e-04	0.0	1.23e-06
1633	18	8.23e-03	1.56	-9.75e-03	-2.95e-04	0.0	3.47e-06
1633	68	5.82e-03	0.63	-7.43e-03	-1.20e-04	0.0	0.0
1633	75	5.73e-03	1.04	-7.44e-03	-1.97e-04	0.0	2.23e-06
1633	103	4.20e-03	0.21	-7.27e-03	-4.13e-05	0.0	0.0
1633	107	3.94e-03	5.26e-03	-7.24e-03	-2.43e-06	0.0	-1.09e-06
1633	108	1.38	0.62	-0.12	-3.66e-04	0.0	-1.36e-04
1633	130	0.33	2.21	-0.03	-1.27e-03	0.0	1.03e-04
1633	140	1.55	0.70	-0.13	-4.11e-04	0.0	-1.53e-04
1633	162	0.37	2.49	-0.04	-1.43e-03	0.0	1.16e-04
1633	172	1.49	0.69	-0.12	-4.05e-04	0.0	-1.52e-04
1633	194	0.37	2.45	-0.04	-1.41e-03	0.0	1.18e-04
1633	204	1.72	0.80	-0.14	-4.70e-04	0.0	-1.77e-04
1633	226	0.42	2.85	-0.04	-1.64e-03	0.0	1.41e-04
1634	4	0.01	0.98	-0.01	6.47e-05	0.0	1.79e-05

1634	18	0.01	1.62	-0.01	1.11e-04	0.0	3.14e-05
1634	68	7.73e-03	0.65	-9.95e-03	4.30e-05	0.0	1.18e-05
1634	75	7.62e-03	1.08	-9.97e-03	7.36e-05	0.0	2.08e-05
1634	103	5.50e-03	0.22	-9.85e-03	1.32e-05	0.0	3.21e-06
1634	107	5.14e-03	6.27e-03	-9.82e-03	-1.94e-06	0.0	-1.23e-06
1634	108	1.93	0.78	-0.10	-3.48e-04	0.0	-1.64e-04
1634	130	0.46	2.78	-0.03	-1.23e-03	0.0	1.25e-04
1634	140	2.17	0.88	-0.11	-3.91e-04	0.0	-1.85e-04
1634	162	0.51	3.12	-0.03	-1.38e-03	0.0	1.41e-04
1634	172	2.08	0.87	-0.10	-3.85e-04	0.0	-1.83e-04
1634	194	0.51	3.07	-0.03	-1.36e-03	0.0	1.43e-04
1634	204	2.40	1.01	-0.12	-4.48e-04	0.0	-2.14e-04
1634	226	0.59	3.57	-0.04	-1.58e-03	0.0	1.71e-04
1635	4	0.01	0.87	-0.01	2.64e-04	0.0	0.0
1635	18	0.01	1.44	-0.01	4.42e-04	0.0	2.30e-06
1635	49	6.11e-03	8.02e-03	-0.01	-1.86e-06	0.0	-1.60e-06
1635	68	9.45e-03	0.58	-0.01	1.76e-04	0.0	0.0
1635	75	9.26e-03	0.96	-0.01	2.95e-04	0.0	1.41e-06
1635	89	4.47e-03	5.93e-03	-0.01	-1.37e-06	0.0	-1.19e-06
1635	97	4.47e-03	5.93e-03	-0.01	-1.37e-06	0.0	-1.19e-06
1635	103	6.85e-03	0.20	-0.01	5.75e-05	0.0	0.0
1635	106	4.47e-03	5.93e-03	-0.01	-1.37e-06	0.0	-1.19e-06
1635	107	6.45e-03	7.83e-03	-0.01	-1.86e-06	0.0	-1.56e-06
1635	108	2.12	1.06	0.06	-3.85e-04	0.0	-2.04e-04
1635	114	-2.10	0.90	-0.08	-3.23e-04	2.63e-06	2.01e-04
1635	132	-0.33	3.29	-0.02	-1.19e-03	4.99e-06	-1.56e-04
1635	140	2.38	1.19	0.07	-4.33e-04	0.0	-2.30e-04
1635	146	-2.37	1.02	-0.09	-3.63e-04	2.95e-06	2.27e-04
1635	164	-0.37	3.70	-0.02	-1.33e-03	5.59e-06	-1.76e-04
1635	172	2.28	1.18	0.07	-4.26e-04	0.0	-2.28e-04
1635	178	-2.27	1.00	-0.09	-3.58e-04	2.86e-06	2.25e-04
1635	196	-0.37	3.64	-0.02	-1.31e-03	5.34e-06	-1.76e-04
1635	204	2.63	1.37	0.08	-4.96e-04	0.0	-2.66e-04
1635	210	-2.62	1.16	-0.10	-4.15e-04	3.33e-06	2.63e-04
1635	228	-0.43	4.23	-0.03	-1.53e-03	6.20e-06	-2.07e-04
1636	4	0.54	0.25	-1.03	0.0	6.81e-05	1.79e-05
1636	44	0.47	-2.15	-0.82	0.0	5.92e-05	1.11e-05
1636	68	0.38	0.14	-0.72	0.0	4.79e-05	1.19e-05
1636	88	0.33	-1.47	-0.58	0.0	4.19e-05	7.41e-06
1636	98	0.31	-0.41	-0.57	0.0	3.76e-05	5.77e-06
1636	105	0.30	-0.60	-0.54	0.0	3.60e-05	5.12e-06
1636	107	0.30	-0.40	-0.55	0.0	3.62e-05	5.47e-06
1636	108	7.31	-3.68	-1.03	0.0	3.64e-04	-4.59e-04
1636	112	9.19	-4.25	-0.97	0.0	3.52e-04	-5.94e-04
1636	129	5.33	-12.21	-0.30	0.0	-4.52e-05	-3.95e-04
1636	140	8.20	-4.09	-1.09	0.0	4.05e-04	-5.17e-04
1636	144	10.31	-4.74	-1.02	0.0	3.91e-04	-6.70e-04
1636	161	5.97	-13.70	-0.27	0.0	-5.52e-05	-4.46e-04
1636	172	8.14	-3.99	-1.07	0.0	3.97e-04	-5.03e-04
1636	176	10.23	-4.69	-1.00	0.0	3.83e-04	-6.55e-04
1636	193	5.96	-13.67	-0.28	0.0	-5.30e-05	-4.46e-04
1636	204	9.48	-4.58	-1.15	0.0	4.56e-04	-5.85e-04
1636	208	11.93	-5.43	-1.07	0.0	4.40e-04	-7.63e-04
1636	225	6.98	-15.98	-0.23	0.0	-6.55e-05	-5.30e-04
1637	4	0.01	0.70	-0.01	3.80e-04	0.0	2.49e-06
1637	18	0.01	1.16	-0.01	6.36e-04	0.0	6.58e-06
1637	49	6.53e-03	8.76e-03	-0.01	-1.75e-06	0.0	-1.89e-06
1637	68	0.01	0.47	-0.01	2.53e-04	0.0	1.52e-06
1637	75	9.97e-03	0.77	-0.01	4.24e-04	0.0	4.24e-06
1637	89	4.78e-03	6.47e-03	-0.01	-1.29e-06	0.0	-1.41e-06
1637	97	4.78e-03	6.47e-03	-0.01	-1.29e-06	0.0	-1.41e-06
1637	103	7.32e-03	0.16	-0.01	8.34e-05	0.0	0.0
1637	106	4.78e-03	6.47e-03	-0.01	-1.29e-06	0.0	-1.41e-06
1637	107	6.88e-03	8.57e-03	-0.01	-1.75e-06	0.0	-1.84e-06
1637	108	2.34	1.23	0.05	-3.79e-04	0.0	-2.47e-04
1637	114	-2.33	1.04	-0.08	-3.16e-04	-2.47e-06	2.43e-04
1637	132	-0.37	3.79	-0.02	-1.16e-03	-3.81e-06	-1.88e-04
1637	140	2.64	1.38	0.06	-4.26e-04	0.0	-2.78e-04
1637	146	-2.62	1.17	-0.08	-3.55e-04	-2.78e-06	2.74e-04
1637	164	-0.41	4.26	-0.02	-1.31e-03	-4.27e-06	-2.12e-04
1637	172	2.53	1.36	0.06	-4.20e-04	0.0	-2.75e-04
1637	178	-2.52	1.15	-0.08	-3.49e-04	-2.70e-06	2.71e-04
1637	196	-0.41	4.20	-0.02	-1.29e-03	-4.06e-06	-2.12e-04
1637	204	2.91	1.58	0.07	-4.88e-04	0.0	-3.22e-04
1637	210	-2.90	1.33	-0.09	-4.06e-04	-3.16e-06	3.18e-04

1637	228	-0.47	4.88	-0.02	-1.50e-03	-4.71e-06	-2.50e-04
1638	4	0.59	0.23	-1.04	0.0	8.41e-05	-2.39e-05
1638	44	0.51	-2.23	-0.84	0.0	7.20e-05	-2.10e-05
1638	68	0.41	0.12	-0.73	0.0	5.91e-05	-1.73e-05
1638	88	0.36	-1.52	-0.60	0.0	5.10e-05	-1.54e-05
1638	98	0.34	-0.44	-0.58	0.0	4.55e-05	-1.57e-05
1638	105	0.32	-0.63	-0.55	0.0	4.35e-05	-1.51e-05
1638	107	0.32	-0.42	-0.55	0.0	4.39e-05	-1.53e-05
1638	108	7.44	-3.73	-1.03	0.0	3.61e-04	-4.86e-04
1638	109	9.36	-9.76	-0.84	0.0	2.71e-04	-6.18e-04
1638	129	5.46	-12.48	-0.32	0.0	-4.13e-05	-4.06e-04
1638	140	8.35	-4.14	-1.09	0.0	4.01e-04	-5.45e-04
1638	141	10.50	-10.94	-0.88	0.0	3.00e-04	-6.95e-04
1638	161	6.11	-14.01	-0.29	0.0	-5.18e-05	-4.56e-04
1638	172	8.28	-4.04	-1.08	0.0	3.93e-04	-5.33e-04
1638	173	10.41	-10.80	-0.86	0.0	2.94e-04	-6.81e-04
1638	193	6.10	-13.97	-0.29	0.0	-4.97e-05	-4.56e-04
1638	204	9.64	-4.63	-1.16	0.0	4.49e-04	-6.16e-04
1638	208	12.13	-5.50	-1.08	0.0	4.30e-04	-7.94e-04
1638	225	7.13	-16.33	-0.25	0.0	-6.30e-05	-5.39e-04
1639	4	0.02	0.50	-0.01	4.24e-04	0.0	3.52e-06
1639	18	0.02	0.83	-0.01	7.09e-04	0.0	9.74e-06
1639	49	7.07e-03	9.58e-03	-0.01	-1.73e-06	0.0	-3.20e-06
1639	68	0.01	0.34	-0.01	2.82e-04	0.0	2.10e-06
1639	75	0.01	0.55	-0.01	4.72e-04	0.0	6.25e-06
1639	89	5.18e-03	7.07e-03	-0.01	-1.27e-06	0.0	-2.38e-06
1639	97	5.18e-03	7.07e-03	-0.01	-1.27e-06	0.0	-2.38e-06
1639	103	7.87e-03	0.12	-0.01	9.32e-05	0.0	-1.14e-06
1639	106	5.18e-03	7.07e-03	-0.01	-1.27e-06	0.0	-2.38e-06
1639	107	7.40e-03	9.38e-03	-0.01	-1.73e-06	0.0	-3.04e-06
1639	108	2.58	1.39	0.05	-3.80e-04	0.0	-2.86e-04
1639	114	-2.56	1.17	-0.07	-3.10e-04	0.0	2.80e-04
1639	132	-0.40	4.29	-0.02	-1.16e-03	0.0	-2.18e-04
1639	140	2.90	1.57	0.06	-4.27e-04	0.0	-3.22e-04
1639	146	-2.88	1.32	-0.08	-3.48e-04	0.0	3.15e-04
1639	164	-0.45	4.82	-0.02	-1.30e-03	0.0	-2.46e-04
1639	172	2.78	1.54	0.06	-4.21e-04	0.0	-3.19e-04
1639	178	-2.76	1.30	-0.08	-3.43e-04	0.0	3.13e-04
1639	196	-0.45	4.75	-0.02	-1.28e-03	0.0	-2.46e-04
1639	204	3.20	1.79	0.07	-4.90e-04	0.0	-3.73e-04
1639	210	-3.18	1.50	-0.09	-3.98e-04	0.0	3.66e-04
1639	228	-0.52	5.53	-0.02	-1.49e-03	0.0	-2.90e-04
1640	4	0.02	0.50	-0.01	4.27e-04	0.0	-3.04e-06
1640	15	0.01	0.82	-0.01	7.15e-04	0.0	-1.19e-06
1640	18	0.02	0.82	-0.01	7.14e-04	0.0	-2.26e-06
1640	68	0.01	0.34	-8.37e-03	2.85e-04	0.0	-2.19e-06
1640	72	7.61e-03	0.55	-8.45e-03	4.76e-04	0.0	0.0
1640	75	0.01	0.55	-8.40e-03	4.76e-04	0.0	-1.67e-06
1640	102	5.74e-03	0.11	-8.43e-03	9.44e-05	0.0	-1.49e-06
1640	103	8.00e-03	0.12	-8.39e-03	9.40e-05	0.0	-2.00e-06
1640	106	5.28e-03	6.49e-03	-8.43e-03	-1.05e-06	0.0	-1.63e-06
1640	107	7.53e-03	8.63e-03	-8.39e-03	-1.45e-06	0.0	-2.14e-06
1640	108	2.58	1.26	-9.86e-03	-3.38e-04	0.0	-2.85e-04
1640	126	0.43	4.27	-8.80e-03	-1.15e-03	0.0	2.11e-04
1640	140	2.90	1.41	-0.01	-3.79e-04	0.0	-3.20e-04
1640	158	0.48	4.80	-8.85e-03	-1.29e-03	0.0	2.38e-04
1640	172	2.78	1.39	-9.91e-03	-3.74e-04	0.0	-3.17e-04
1640	190	0.47	4.73	-8.87e-03	-1.27e-03	0.0	2.39e-04
1640	204	3.20	1.62	-0.01	-4.34e-04	0.0	-3.71e-04
1640	222	0.54	5.49	-8.95e-03	-1.48e-03	0.0	2.82e-04
1641	4	0.01	0.87	-0.01	2.64e-04	0.0	-2.48e-06
1641	18	0.01	1.44	-0.01	4.42e-04	0.0	-2.05e-06
1641	68	8.73e-03	0.58	-0.01	1.76e-04	0.0	-1.78e-06
1641	75	8.60e-03	0.96	-0.01	2.95e-04	0.0	-1.49e-06
1641	103	6.32e-03	0.20	-0.01	5.78e-05	0.0	-1.54e-06
1641	107	5.94e-03	6.89e-03	-0.01	-1.58e-06	0.0	-1.59e-06
1641	108	2.12	0.92	-0.08	-3.32e-04	-2.66e-06	-2.05e-04
1641	130	0.50	3.29	-0.03	-1.19e-03	-5.02e-06	1.54e-04
1641	140	2.38	1.04	-0.09	-3.74e-04	-2.98e-06	-2.30e-04
1641	162	0.56	3.70	-0.03	-1.33e-03	-5.63e-06	1.74e-04
1641	172	2.28	1.02	-0.09	-3.68e-04	-2.89e-06	-2.28e-04
1641	194	0.56	3.65	-0.03	-1.32e-03	-5.37e-06	1.76e-04
1641	204	2.63	1.19	-0.10	-4.27e-04	-3.37e-06	-2.67e-04
1641	226	0.65	4.24	-0.03	-1.53e-03	-6.21e-06	2.11e-04
1642	4	0.01	0.70	-0.01	3.81e-04	0.0	-6.57e-06

1642	16	0.01	1.16	-0.01	6.38e-04	0.0	-7.66e-06
1642	18	0.01	1.16	-0.01	6.37e-04	0.0	-8.45e-06
1642	68	9.89e-03	0.47	-0.01	2.54e-04	0.0	-4.53e-06
1642	73	7.33e-03	0.77	-0.01	4.25e-04	0.0	-5.26e-06
1642	75	9.69e-03	0.77	-0.01	4.25e-04	0.0	-5.78e-06
1642	102	5.18e-03	0.16	-0.01	8.42e-05	0.0	-2.19e-06
1642	103	7.21e-03	0.16	-0.01	8.38e-05	0.0	-2.64e-06
1642	106	4.77e-03	5.61e-03	-0.01	-1.06e-06	0.0	-1.45e-06
1642	107	6.80e-03	7.44e-03	-0.01	-1.45e-06	0.0	-1.90e-06
1642	108	2.34	1.06	-0.08	-3.24e-04	2.52e-06	-2.47e-04
1642	130	0.55	3.80	-0.03	-1.16e-03	3.88e-06	1.85e-04
1642	140	2.64	1.19	-0.09	-3.65e-04	2.84e-06	-2.78e-04
1642	162	0.62	4.27	-0.03	-1.31e-03	4.35e-06	2.10e-04
1642	172	2.53	1.18	-0.08	-3.59e-04	2.76e-06	-2.75e-04
1642	194	0.62	4.21	-0.03	-1.29e-03	4.13e-06	2.13e-04
1642	204	2.91	1.37	-0.09	-4.17e-04	3.22e-06	-3.22e-04
1642	226	0.72	4.89	-0.03	-1.50e-03	4.77e-06	2.55e-04
1643	4	0.02	0.50	-0.01	4.25e-04	0.0	-1.07e-05
1643	16	0.01	0.82	-0.01	7.11e-04	0.0	-1.53e-05
1643	18	0.02	0.82	-0.01	7.10e-04	0.0	-1.59e-05
1643	68	0.01	0.33	-0.01	2.83e-04	0.0	-7.20e-06
1643	73	8.22e-03	0.55	-0.01	4.74e-04	0.0	-1.03e-05
1643	75	0.01	0.55	-0.01	4.73e-04	0.0	-1.07e-05
1643	102	5.85e-03	0.11	-0.01	9.40e-05	0.0	-2.78e-06
1643	103	8.15e-03	0.12	-0.01	9.37e-05	0.0	-3.16e-06
1643	106	5.40e-03	6.07e-03	-0.01	0.0	0.0	0.0
1643	107	7.70e-03	8.07e-03	-0.01	-1.31e-06	0.0	-1.32e-06
1643	108	2.58	1.20	-0.08	-3.18e-04	0.0	-2.85e-04
1643	130	0.61	4.30	-0.03	-1.16e-03	0.0	2.15e-04
1643	140	2.90	1.35	-0.08	-3.58e-04	0.0	-3.20e-04
1643	162	0.69	4.83	-0.03	-1.30e-03	0.0	2.43e-04
1643	172	2.78	1.33	-0.08	-3.52e-04	0.0	-3.18e-04
1643	194	0.68	4.76	-0.03	-1.28e-03	0.0	2.47e-04
1643	204	3.20	1.54	-0.09	-4.09e-04	0.0	-3.71e-04
1643	226	0.79	5.54	-0.03	-1.49e-03	0.0	2.95e-04
1644	18	1.96e-03	0.41	-1.18e-03	-1.01e-03	0.0	1.29e-04
1644	28	2.17e-03	-0.14	-1.20e-03	3.52e-04	0.0	-4.38e-05
1644	75	1.38e-03	0.27	-8.98e-04	-6.76e-04	0.0	8.55e-05
1644	80	1.51e-03	-0.09	-9.13e-04	2.34e-04	0.0	-2.94e-05
1644	98	1.20e-03	4.63e-03	-8.92e-04	-1.15e-05	0.0	-2.47e-06
1644	103	1.16e-03	0.06	-8.88e-04	-1.44e-04	0.0	1.52e-05
1644	107	1.14e-03	4.47e-03	-8.88e-04	-1.11e-05	0.0	-2.38e-06
1644	111	-0.21	-0.21	-5.90e-03	5.21e-04	0.0	2.56e-05
1644	113	0.22	-0.10	4.11e-03	2.43e-04	0.0	-4.29e-05
1644	136	-0.05	0.55	-2.03e-03	-1.38e-03	0.0	5.41e-06
1644	143	-0.24	-0.23	-6.53e-03	5.87e-04	0.0	2.91e-05
1644	145	0.24	-0.11	4.74e-03	2.74e-04	0.0	-4.80e-05
1644	168	-0.06	0.62	-2.18e-03	-1.55e-03	0.0	6.27e-06
1644	175	-0.23	-0.23	-6.31e-03	5.79e-04	0.0	2.89e-05
1644	177	0.23	-0.11	4.51e-03	2.69e-04	0.0	-4.75e-05
1644	200	-0.06	0.61	-2.18e-03	-1.53e-03	0.0	5.13e-06
1644	207	-0.27	-0.27	-7.13e-03	6.76e-04	0.0	3.42e-05
1644	209	0.27	-0.13	5.33e-03	3.13e-04	0.0	-5.52e-05
1644	232	-0.07	0.71	-2.38e-03	-1.78e-03	0.0	5.87e-06
1645	1	0.0	0.0	0.0	-6.10e-04	0.0	1.34e-05
1645	65	0.0	0.0	0.0	-4.08e-04	0.0	8.87e-06
1645	97	0.0	0.0	0.0	-8.67e-06	0.0	0.0
1645	106	0.0	0.0	0.0	-8.67e-06	0.0	0.0
1645	108	0.0	0.0	0.0	-5.43e-04	0.0	-3.00e-06
1645	140	0.0	0.0	0.0	-6.10e-04	0.0	-3.32e-06
1645	172	0.0	0.0	0.0	-6.01e-04	0.0	-3.30e-06
1645	204	0.0	0.0	0.0	-6.98e-04	0.0	-3.79e-06
1646	4	3.43e-03	0.49	-1.74e-03	-6.17e-04	0.0	1.43e-04
1646	18	3.13e-03	0.81	-1.71e-03	-1.01e-03	0.0	2.44e-04
1646	28	3.36e-03	-0.28	-1.75e-03	3.53e-04	0.0	-8.23e-05
1646	68	2.38e-03	0.33	-1.32e-03	-4.12e-04	0.0	9.50e-05
1646	75	2.18e-03	0.54	-1.30e-03	-6.77e-04	0.0	1.62e-04
1646	80	2.34e-03	-0.19	-1.33e-03	2.34e-04	0.0	-5.52e-05
1646	98	1.83e-03	9.25e-03	-1.29e-03	-1.15e-05	0.0	-4.34e-06
1646	103	1.78e-03	0.12	-1.29e-03	-1.44e-04	0.0	2.91e-05
1646	107	1.73e-03	8.92e-03	-1.28e-03	-1.11e-05	0.0	-4.19e-06
1646	111	-0.39	-0.42	-0.01	5.21e-04	0.0	4.91e-05
1646	113	0.39	-0.19	0.01	2.43e-04	0.0	-8.22e-05
1646	136	-0.09	1.10	-3.91e-03	-1.38e-03	0.0	1.17e-05
1646	143	-0.44	-0.47	-0.01	5.87e-04	0.0	5.59e-05

1646	145	0.44	-0.22	0.01	2.74e-04	0.0	-9.20e-05
1646	168	-0.10	1.24	-4.25e-03	-1.55e-03	0.0	1.35e-05
1646	175	-0.42	-0.46	-0.01	5.79e-04	0.0	5.55e-05
1646	177	0.42	-0.22	0.01	2.69e-04	0.0	-9.09e-05
1646	200	-0.10	1.22	-4.25e-03	-1.53e-03	0.0	1.12e-05
1646	207	-0.48	-0.54	-0.02	6.76e-04	0.0	6.56e-05
1646	209	0.49	-0.25	0.01	3.13e-04	0.0	-1.06e-04
1646	232	-0.12	1.42	-4.70e-03	-1.78e-03	0.0	1.28e-05
1647	28	4.65e-03	-0.16	-0.31	0.0	4.18e-06	-1.41e-06
1647	45	-2.75e-04	-0.34	-0.15	0.0	0.0	0.0
1647	52	5.39e-03	0.05	-0.28	0.0	4.87e-06	-1.36e-06
1647	75	1.56e-03	0.23	-0.14	0.0	1.33e-06	0.0
1647	80	3.13e-03	-0.10	-0.21	0.0	2.81e-06	0.0
1647	92	3.63e-03	0.04	-0.19	0.0	3.27e-06	0.0
1647	98	2.82e-03	0.03	-0.16	0.0	2.53e-06	0.0
1647	103	2.31e-03	0.07	-0.14	0.0	2.05e-06	0.0
1647	107	2.58e-03	0.03	-0.15	0.0	2.31e-06	0.0
1647	112	2.31	0.79	-0.04	0.0	2.13e-03	3.80e-05
1647	136	1.32	1.43	0.07	0.0	1.21e-03	-9.08e-06
1647	139	-1.31	-1.38	-0.37	0.0	-1.21e-03	7.53e-06
1647	144	2.61	0.89	-0.02	0.0	2.40e-03	4.28e-05
1647	168	1.49	1.61	0.10	0.0	1.37e-03	-1.02e-05
1647	171	-1.48	-1.55	-0.40	0.0	-1.37e-03	8.61e-06
1647	176	2.62	0.88	-0.02	0.0	2.42e-03	4.02e-05
1647	200	1.53	1.60	0.10	0.0	1.41e-03	-1.01e-05
1647	203	-1.52	-1.54	-0.40	0.0	-1.40e-03	8.50e-06
1647	208	3.10	1.03	-4.31e-04	0.0	2.86e-03	4.60e-05
1647	232	1.83	1.86	0.14	0.0	1.69e-03	-1.14e-05
1647	235	-1.83	-1.81	-0.44	0.0	-1.68e-03	9.87e-06
1648	4	1.81e-03	0.29	-1.04e-03	-7.11e-04	0.0	5.60e-05
1648	18	1.66e-03	0.47	-1.04e-03	-1.17e-03	0.0	9.63e-05
1648	51	1.61e-03	4.93e-03	-1.04e-03	-1.24e-05	0.0	-3.73e-06
1648	68	1.26e-03	0.19	-8.01e-04	-4.74e-04	0.0	3.72e-05
1648	75	1.16e-03	0.32	-7.98e-04	-7.84e-04	0.0	6.40e-05
1648	91	1.13e-03	3.52e-03	-8.03e-04	-8.85e-06	0.0	-2.67e-06
1648	98	9.80e-04	3.18e-03	-8.03e-04	-7.99e-06	0.0	-2.43e-06
1648	103	9.55e-04	0.07	-8.02e-04	-1.63e-04	0.0	1.10e-05
1648	107	9.31e-04	3.06e-03	-8.03e-04	-7.70e-06	0.0	-2.34e-06
1648	113	0.21	-0.12	-6.28e-03	3.05e-04	0.0	-4.25e-05
1648	132	-0.03	0.55	8.52e-05	-1.37e-03	0.0	4.95e-06
1648	145	0.24	-0.14	-6.96e-03	3.43e-04	0.0	-4.75e-05
1648	168	-0.06	0.62	6.39e-04	-1.54e-03	0.0	5.40e-06
1648	177	0.23	-0.13	-6.72e-03	3.37e-04	0.0	-4.70e-05
1648	200	-0.06	0.61	6.40e-04	-1.52e-03	0.0	4.34e-06
1648	209	0.27	-0.16	-7.62e-03	3.93e-04	0.0	-5.47e-05
1648	232	-0.06	0.71	8.64e-04	-1.77e-03	0.0	4.94e-06
1649	1	0.0	0.0	0.0	-7.08e-04	0.0	1.29e-05
1649	65	0.0	0.0	0.0	-4.72e-04	0.0	8.58e-06
1649	97	0.0	0.0	0.0	-5.96e-06	0.0	0.0
1649	106	0.0	0.0	0.0	-5.96e-06	0.0	0.0
1649	108	0.0	0.0	0.0	-4.94e-04	0.0	-2.99e-06
1649	140	0.0	0.0	0.0	-5.55e-04	0.0	-3.32e-06
1649	172	0.0	0.0	0.0	-5.47e-04	0.0	-3.29e-06
1649	204	0.0	0.0	0.0	-6.35e-04	0.0	-3.78e-06
1650	4	2.95e-03	0.57	-1.45e-03	-7.11e-04	0.0	8.95e-05
1650	18	2.74e-03	0.94	-1.45e-03	-1.18e-03	0.0	1.54e-04
1650	49	1.44e-03	6.41e-03	-1.46e-03	-8.05e-06	0.0	-4.48e-06
1650	68	2.06e-03	0.38	-1.12e-03	-4.75e-04	0.0	5.93e-05
1650	75	1.92e-03	0.63	-1.12e-03	-7.84e-04	0.0	1.03e-04
1650	89	1.05e-03	4.75e-03	-1.13e-03	-5.96e-06	0.0	-3.33e-06
1650	97	1.05e-03	4.75e-03	-1.13e-03	-5.96e-06	0.0	-3.33e-06
1650	98	1.59e-03	6.36e-03	-1.12e-03	-7.98e-06	0.0	-4.38e-06
1650	103	1.56e-03	0.13	-1.12e-03	-1.63e-04	0.0	1.72e-05
1650	106	1.05e-03	4.75e-03	-1.13e-03	-5.96e-06	0.0	-3.33e-06
1650	107	1.51e-03	6.13e-03	-1.12e-03	-7.70e-06	0.0	-4.23e-06
1650	113	0.37	-0.24	-0.01	3.05e-04	0.0	-8.07e-05
1650	132	-0.06	1.10	8.39e-04	-1.37e-03	0.0	8.34e-06
1650	145	0.42	-0.27	-0.01	3.43e-04	0.0	-9.03e-05
1650	168	-0.10	1.24	2.06e-03	-1.54e-03	0.0	9.05e-06
1650	177	0.40	-0.27	-0.01	3.37e-04	0.0	-8.94e-05
1650	200	-0.10	1.22	2.07e-03	-1.52e-03	0.0	7.15e-06
1650	209	0.46	-0.31	-0.02	3.93e-04	0.0	-1.04e-04
1650	232	-0.11	1.42	2.56e-03	-1.77e-03	0.0	8.09e-06
1651	28	2.38e-03	-0.08	-0.16	0.0	4.46e-06	0.0
1651	45	-1.26e-04	-0.17	-0.08	0.0	0.0	0.0

1651	52	2.75e-03	0.03	-0.14	0.0	5.17e-06	0.0
1651	75	8.08e-04	0.12	-0.06	0.0	1.49e-06	0.0
1651	80	1.60e-03	-0.05	-0.11	0.0	3.01e-06	0.0
1651	92	1.85e-03	0.02	-0.09	0.0	3.48e-06	0.0
1651	98	1.44e-03	0.02	-0.08	0.0	2.70e-06	0.0
1651	103	1.18e-03	0.04	-0.07	0.0	2.21e-06	0.0
1651	105	1.24e-03	-8.81e-03	-0.08	0.0	2.32e-06	0.0
1651	107	1.32e-03	0.02	-0.07	0.0	2.47e-06	0.0
1651	112	1.17	0.39	-5.46e-03	0.0	2.20e-03	1.67e-05
1651	136	0.67	0.70	0.06	0.0	1.25e-03	-4.99e-06
1651	139	-0.66	-0.67	-0.20	0.0	-1.24e-03	4.26e-06
1651	144	1.32	0.44	3.14e-03	0.0	2.47e-03	1.88e-05
1651	168	0.75	0.79	0.07	0.0	1.41e-03	-5.60e-06
1651	171	-0.75	-0.76	-0.22	0.0	-1.41e-03	4.86e-06
1651	176	1.33	0.43	2.35e-03	0.0	2.49e-03	1.74e-05
1651	200	0.77	0.78	0.07	0.0	1.45e-03	-5.62e-06
1651	203	-0.77	-0.75	-0.22	0.0	-1.45e-03	4.88e-06
1651	208	1.56	0.51	0.02	0.0	2.94e-03	1.97e-05
1651	232	0.93	0.91	0.10	0.0	1.74e-03	-6.44e-06
1651	235	-0.92	-0.88	-0.24	0.0	-1.73e-03	5.70e-06
1652	4	0.01	0.73	-0.03	2.53e-04	0.0	1.37e-04
1652	18	0.01	1.20	-0.03	4.19e-04	0.0	2.37e-04
1652	68	0.01	0.49	-0.02	1.69e-04	0.0	9.07e-05
1652	75	0.01	0.80	-0.02	2.80e-04	0.0	1.57e-04
1652	98	7.41e-03	0.02	-0.02	2.14e-06	0.0	-7.08e-06
1652	103	7.46e-03	0.17	-0.02	5.76e-05	0.0	2.61e-05
1652	107	7.04e-03	0.02	-0.02	2.08e-06	0.0	-6.84e-06
1652	108	2.11	1.34	-0.07	-4.97e-04	0.0	-2.16e-04
1652	136	-0.48	3.38	-0.01	-1.23e-03	0.0	8.15e-06
1652	140	2.37	1.51	-0.08	-5.59e-04	0.0	-2.42e-04
1652	168	-0.54	3.80	-0.01	-1.39e-03	0.0	9.90e-06
1652	172	2.28	1.49	-0.07	-5.52e-04	0.0	-2.40e-04
1652	200	-0.54	3.76	-0.01	-1.37e-03	0.0	7.43e-06
1652	204	2.62	1.73	-0.08	-6.43e-04	0.0	-2.80e-04
1652	232	-0.63	4.37	-8.33e-03	-1.60e-03	0.0	8.12e-06
1653	4	0.01	0.84	-0.03	2.53e-04	0.0	2.12e-04
1653	18	0.01	1.38	-0.03	4.20e-04	0.0	3.63e-04
1653	68	9.53e-03	0.56	-0.02	1.69e-04	0.0	1.41e-04
1653	75	9.15e-03	0.92	-0.02	2.80e-04	0.0	2.42e-04
1653	98	6.78e-03	0.02	-0.02	2.11e-06	0.0	-7.84e-06
1653	103	6.78e-03	0.20	-0.02	5.76e-05	0.0	4.24e-05
1653	107	6.41e-03	0.02	-0.02	2.06e-06	0.0	-7.58e-06
1653	108	1.92	1.13	-0.07	-4.97e-04	0.0	-1.80e-04
1653	136	-0.44	2.85	-0.01	-1.23e-03	0.0	1.36e-05
1653	140	2.16	1.27	-0.07	-5.60e-04	0.0	-2.02e-04
1653	168	-0.50	3.20	-0.01	-1.39e-03	0.0	1.59e-05
1653	172	2.07	1.25	-0.07	-5.52e-04	0.0	-2.00e-04
1653	200	-0.50	3.16	-0.01	-1.37e-03	0.0	1.21e-05
1653	204	2.38	1.45	-0.08	-6.43e-04	0.0	-2.33e-04
1653	232	-0.57	3.68	-8.78e-03	-1.60e-03	0.0	1.33e-05
1654	4	0.02	0.63	-0.03	2.59e-04	0.0	6.40e-05
1654	18	0.01	1.02	-0.03	4.29e-04	0.0	1.14e-04
1654	68	0.01	0.42	-0.02	1.73e-04	0.0	4.22e-05
1654	75	0.01	0.68	-0.02	2.86e-04	0.0	7.53e-05
1654	98	7.36e-03	0.02	-0.02	2.22e-06	0.0	-5.85e-06
1654	103	7.48e-03	0.15	-0.02	5.90e-05	0.0	1.06e-05
1654	107	7.00e-03	0.01	-0.02	2.16e-06	0.0	-5.65e-06
1654	108	2.35	1.56	-0.07	-4.96e-04	0.0	-2.54e-04
1654	136	-0.53	3.92	-0.01	-1.23e-03	0.0	-1.95e-04
1654	140	2.64	1.75	-0.08	-5.59e-04	0.0	-2.86e-04
1654	168	-0.60	4.40	-9.90e-03	-1.39e-03	0.0	-2.20e-04
1654	172	2.53	1.73	-0.07	-5.51e-04	0.0	-2.83e-04
1654	200	-0.60	4.35	-9.92e-03	-1.37e-03	0.0	-2.23e-04
1654	204	2.92	2.01	-0.08	-6.42e-04	0.0	-3.30e-04
1654	232	-0.70	5.06	-8.10e-03	-1.60e-03	0.0	-2.65e-04
1655	4	0.01	0.51	-0.03	2.66e-04	0.0	8.12e-06
1655	18	0.01	0.83	-0.03	4.41e-04	0.0	1.92e-05
1655	68	0.01	0.34	-0.02	1.77e-04	0.0	5.04e-06
1655	75	0.01	0.55	-0.02	2.94e-04	0.0	1.24e-05
1655	98	6.86e-03	0.01	-0.02	2.32e-06	0.0	-4.68e-06
1655	103	7.08e-03	0.12	-0.02	6.06e-05	0.0	-1.07e-06
1655	107	6.52e-03	0.01	-0.02	2.26e-06	0.0	-4.53e-06
1655	108	2.58	1.77	-0.07	-4.95e-04	0.0	-2.87e-04
1655	136	-0.59	4.45	-0.01	-1.23e-03	0.0	-2.21e-04
1655	140	2.90	1.99	-0.08	-5.58e-04	0.0	-3.23e-04

1655	168	-0.66	5.00	-9.89e-03	-1.39e-03	0.0	-2.50e-04
1655	172	2.78	1.96	-0.07	-5.50e-04	0.0	-3.20e-04
1655	200	-0.66	4.94	-9.91e-03	-1.37e-03	0.0	-2.53e-04
1655	204	3.20	2.28	-0.08	-6.41e-04	0.0	-3.74e-04
1655	232	-0.77	5.75	-8.10e-03	-1.60e-03	0.0	-3.02e-04
1656	4	0.01	0.81	-0.03	3.36e-04	0.0	1.12e-04
1656	15	9.56e-03	1.33	-0.03	5.60e-04	0.0	1.99e-04
1656	18	0.01	1.33	-0.03	5.60e-04	0.0	1.96e-04
1656	68	0.01	0.54	-0.02	2.24e-04	0.0	7.44e-05
1656	72	6.79e-03	0.89	-0.02	3.74e-04	0.0	1.32e-04
1656	75	9.79e-03	0.89	-0.02	3.74e-04	0.0	1.30e-04
1656	102	5.14e-03	0.18	-0.02	7.50e-05	0.0	2.21e-05
1656	103	7.27e-03	0.19	-0.02	7.50e-05	0.0	2.07e-05
1656	106	4.72e-03	9.11e-03	-0.02	0.0	0.0	-5.33e-06
1656	107	6.86e-03	0.01	-0.02	0.0	0.0	-6.73e-06
1656	108	2.11	1.20	-0.01	-4.38e-04	0.0	-2.17e-04
1656	114	-2.10	0.76	-0.03	-2.60e-04	0.0	2.61e-04
1656	132	-0.33	3.33	-0.02	-1.20e-03	0.0	9.38e-06
1656	140	2.37	1.35	-0.01	-4.93e-04	0.0	-2.44e-04
1656	146	-2.36	0.86	-0.03	-2.92e-04	0.0	2.94e-04
1656	164	-0.37	3.75	-0.02	-1.35e-03	0.0	1.16e-05
1656	172	2.28	1.33	-0.01	-4.86e-04	0.0	-2.42e-04
1656	178	-2.26	0.84	-0.03	-2.87e-04	0.0	2.93e-04
1656	200	-0.54	3.70	-0.02	-1.33e-03	0.0	7.02e-06
1656	204	2.62	1.55	-0.01	-5.66e-04	0.0	-2.82e-04
1656	210	-2.61	0.98	-0.03	-3.33e-04	0.0	3.44e-04
1656	232	-0.63	4.30	-0.03	-1.55e-03	0.0	7.79e-06
1657	4	0.01	0.95	-0.03	3.36e-04	0.0	1.28e-04
1657	15	9.44e-03	1.56	-0.03	5.60e-04	0.0	2.27e-04
1657	18	0.01	1.57	-0.03	5.59e-04	0.0	2.24e-04
1657	68	9.96e-03	0.64	-0.02	2.24e-04	0.0	8.48e-05
1657	72	6.73e-03	1.04	-0.02	3.73e-04	0.0	1.51e-04
1657	75	9.67e-03	1.05	-0.02	3.73e-04	0.0	1.48e-04
1657	102	5.23e-03	0.22	-0.02	7.49e-05	0.0	2.51e-05
1657	103	7.32e-03	0.22	-0.02	7.49e-05	0.0	2.35e-05
1657	106	4.85e-03	9.27e-03	-0.02	0.0	0.0	-6.22e-06
1657	107	6.94e-03	0.01	-0.02	0.0	0.0	-7.86e-06
1657	108	1.94	1.01	-0.02	-4.38e-04	0.0	-1.86e-04
1657	114	-1.93	0.65	-0.03	-2.60e-04	0.0	2.20e-04
1657	132	-0.30	2.82	-0.02	-1.20e-03	0.0	6.59e-06
1657	140	2.18	1.14	-0.02	-4.93e-04	0.0	-2.09e-04
1657	146	-2.17	0.73	-0.03	-2.92e-04	0.0	2.49e-04
1657	164	-0.34	3.17	-0.02	-1.35e-03	0.0	8.54e-06
1657	172	2.09	1.12	-0.02	-4.86e-04	0.0	-2.07e-04
1657	178	-2.08	0.72	-0.03	-2.87e-04	0.0	2.47e-04
1657	200	-0.50	3.12	-0.02	-1.33e-03	0.0	4.31e-06
1657	204	2.41	1.30	-0.02	-5.66e-04	0.0	-2.41e-04
1657	210	-2.40	0.83	-0.03	-3.33e-04	0.0	2.92e-04
1657	232	-0.58	3.63	-0.02	-1.55e-03	0.0	4.91e-06
1658	4	0.01	0.66	-0.03	3.45e-04	0.0	6.53e-05
1658	15	0.01	1.08	-0.03	5.75e-04	0.0	1.18e-04
1658	18	0.01	1.09	-0.03	5.74e-04	0.0	1.16e-04
1658	68	0.01	0.44	-0.02	2.30e-04	0.0	4.31e-05
1658	72	7.14e-03	0.72	-0.02	3.83e-04	0.0	7.82e-05
1658	75	0.01	0.73	-0.02	3.83e-04	0.0	7.67e-05
1658	102	5.28e-03	0.15	-0.02	7.70e-05	0.0	1.22e-05
1658	103	7.43e-03	0.15	-0.02	7.69e-05	0.0	1.11e-05
1658	106	4.81e-03	8.96e-03	-0.02	0.0	0.0	-4.28e-06
1658	107	6.97e-03	0.01	-0.02	0.0	0.0	-5.40e-06
1658	108	2.35	1.39	-0.01	-4.38e-04	0.0	-2.54e-04
1658	114	-2.33	0.88	-0.03	-2.59e-04	0.0	2.46e-04
1658	132	-0.37	3.85	-0.02	-1.19e-03	0.0	-1.93e-04
1658	140	2.64	1.57	-0.01	-4.93e-04	0.0	-2.86e-04
1658	146	-2.62	0.98	-0.03	-2.91e-04	0.0	2.77e-04
1658	164	-0.41	4.33	-0.02	-1.34e-03	0.0	-2.17e-04
1658	172	2.53	1.54	-0.01	-4.86e-04	0.0	-2.83e-04
1658	178	-2.52	0.97	-0.03	-2.86e-04	0.0	2.75e-04
1658	200	-0.60	4.27	-0.03	-1.33e-03	0.0	-2.23e-04
1658	204	2.92	1.79	-0.01	-5.66e-04	0.0	-3.31e-04
1658	210	-2.90	1.12	-0.04	-3.32e-04	0.0	3.23e-04
1658	232	-0.70	4.97	-0.03	-1.54e-03	0.0	-2.66e-04
1659	4	0.02	0.51	-0.03	3.55e-04	0.0	7.75e-06
1659	15	0.01	0.82	-0.03	5.92e-04	0.0	1.99e-05
1659	18	0.02	0.83	-0.03	5.91e-04	0.0	1.81e-05
1659	68	0.01	0.34	-0.02	2.37e-04	0.0	4.82e-06

1659	72	7.42e-03	0.55	-0.02	3.94e-04	0.0	1.29e-05
1659	75	0.01	0.55	-0.02	3.94e-04	0.0	1.17e-05
1659	102	5.35e-03	0.12	-0.02	7.93e-05	0.0	0.0
1659	103	7.47e-03	0.12	-0.02	7.93e-05	0.0	0.0
1659	106	4.83e-03	8.75e-03	-0.02	0.0	0.0	-3.29e-06
1659	107	6.95e-03	0.01	-0.02	0.0	0.0	-4.16e-06
1659	108	2.58	1.58	-0.01	-4.38e-04	0.0	-2.87e-04
1659	114	-2.56	0.99	-0.03	-2.58e-04	0.0	2.78e-04
1659	132	-0.40	4.37	-0.02	-1.19e-03	0.0	-2.18e-04
1659	140	2.90	1.78	-0.01	-4.92e-04	0.0	-3.23e-04
1659	146	-2.88	1.11	-0.03	-2.90e-04	0.0	3.14e-04
1659	164	-0.45	4.91	-0.02	-1.34e-03	0.0	-2.46e-04
1659	172	2.78	1.75	-0.01	-4.85e-04	0.0	-3.20e-04
1659	178	-2.76	1.09	-0.03	-2.85e-04	0.0	3.11e-04
1659	200	-0.66	4.85	-0.03	-1.32e-03	0.0	-2.53e-04
1659	204	3.20	2.04	-0.01	-5.65e-04	0.0	-3.74e-04
1659	210	-3.18	1.26	-0.04	-3.31e-04	0.0	3.65e-04
1659	232	-0.77	5.64	-0.03	-1.54e-03	0.0	-3.02e-04
1660	18	-6.40e-04	0.16	-0.02	-3.73e-04	0.0	-8.38e-05
1660	28	-1.50e-03	-0.06	-0.02	1.51e-04	0.0	2.82e-05
1660	75	-4.74e-04	0.11	-0.01	-2.50e-04	0.0	-5.57e-05
1660	80	-1.05e-03	-0.04	-0.02	9.97e-05	0.0	1.89e-05
1660	98	-8.28e-04	6.77e-03	-0.01	-1.51e-05	0.0	1.22e-06
1660	103	-7.11e-04	0.03	-0.01	-6.14e-05	0.0	-1.02e-05
1660	107	-7.87e-04	6.55e-03	-0.01	-1.46e-05	0.0	1.19e-06
1660	111	-0.22	-0.02	-0.01	6.18e-05	0.0	4.27e-05
1660	129	-0.05	-0.54	-0.02	1.35e-03	0.0	9.48e-06
1660	130	0.05	0.55	-7.02e-03	-1.38e-03	0.0	-7.10e-06
1660	143	-0.24	-0.03	-0.01	7.09e-05	0.0	4.79e-05
1660	161	-0.06	-0.60	-0.02	1.52e-03	0.0	1.04e-05
1660	162	0.06	0.62	-6.43e-03	-1.55e-03	0.0	-8.04e-06
1660	175	-0.23	-0.03	-0.01	6.82e-05	0.0	4.75e-05
1660	193	-0.06	-0.60	-0.02	1.50e-03	0.0	9.43e-06
1660	194	0.06	0.61	-6.50e-03	-1.53e-03	0.0	-7.05e-06
1660	207	-0.27	-0.03	-0.01	7.94e-05	0.0	5.55e-05
1660	225	-0.07	-0.70	-0.02	1.76e-03	0.0	1.02e-05
1660	226	0.07	0.71	-5.63e-03	-1.79e-03	0.0	-7.83e-06
1661	1	0.0	0.0	0.0	-2.34e-04	0.0	-8.71e-06
1661	65	0.0	0.0	0.0	-1.57e-04	0.0	-5.79e-06
1661	97	0.0	0.0	0.0	-1.23e-05	0.0	0.0
1661	106	0.0	0.0	0.0	-1.23e-05	0.0	0.0
1661	108	0.0	0.0	0.0	-9.15e-05	0.0	-4.13e-06
1661	140	0.0	0.0	0.0	-1.01e-04	0.0	-4.68e-06
1661	172	0.0	0.0	0.0	-9.80e-05	0.0	-4.64e-06
1661	204	0.0	0.0	0.0	-1.09e-04	0.0	-5.47e-06
1662	18	1.10e-04	0.31	-0.03	-3.43e-04	0.0	-1.51e-04
1662	28	-1.08e-03	-0.12	-0.04	1.47e-04	0.0	4.98e-05
1662	75	4.47e-05	0.21	-0.02	-2.30e-04	0.0	-1.01e-04
1662	80	-7.46e-04	-0.08	-0.03	9.72e-05	0.0	3.34e-05
1662	98	-6.04e-04	0.01	-0.02	-1.29e-05	0.0	1.76e-06
1662	103	-4.39e-04	0.05	-0.02	-5.57e-05	0.0	-1.88e-05
1662	107	-5.69e-04	0.01	-0.02	-1.25e-05	0.0	1.72e-06
1662	111	-0.48	-0.05	-0.03	6.42e-05	0.0	8.66e-05
1662	129	-0.12	-1.07	-0.03	1.36e-03	0.0	1.47e-05
1662	130	0.12	1.10	-0.01	-1.38e-03	0.0	-1.12e-05
1662	143	-0.54	-0.06	-0.03	7.33e-05	0.0	9.74e-05
1662	161	-0.13	-1.21	-0.03	1.53e-03	0.0	1.61e-05
1662	162	0.13	1.24	-9.50e-03	-1.55e-03	0.0	-1.27e-05
1662	175	-0.52	-0.05	-0.03	7.06e-05	0.0	9.66e-05
1662	193	-0.13	-1.20	-0.03	1.51e-03	0.0	1.43e-05
1662	194	0.13	1.22	-9.66e-03	-1.54e-03	0.0	-1.09e-05
1662	207	-0.60	-0.06	-0.03	8.18e-05	0.0	1.13e-04
1662	225	-0.15	-1.40	-0.04	1.77e-03	0.0	1.53e-05
1662	226	0.15	1.43	-7.68e-03	-1.79e-03	0.0	-1.19e-05
1663	16	1.66e-03	0.43	-0.03	-2.99e-04	0.0	-1.96e-04
1663	18	1.63e-03	0.44	-0.04	-3.03e-04	0.0	-1.96e-04
1663	28	2.88e-04	-0.18	-0.06	1.42e-04	0.0	6.40e-05
1663	73	1.13e-03	0.29	-0.02	-2.00e-04	0.0	-1.31e-04
1663	75	1.11e-03	0.29	-0.03	-2.03e-04	0.0	-1.30e-04
1663	80	2.10e-04	-0.12	-0.04	9.38e-05	0.0	4.29e-05
1663	98	1.06e-04	0.02	-0.03	-9.86e-06	0.0	2.09e-06
1663	102	3.16e-04	0.07	-0.02	-4.61e-05	0.0	-2.47e-05
1663	103	2.97e-04	0.07	-0.03	-4.80e-05	0.0	-2.44e-05
1663	106	1.27e-04	0.01	-0.02	-7.63e-06	0.0	1.81e-06
1663	107	1.09e-04	0.02	-0.03	-9.54e-06	0.0	2.05e-06

1663	108	0.88	0.11	-0.02	-8.65e-05	0.0	-1.24e-04
1663	129	-0.21	-1.62	-0.05	1.37e-03	0.0	1.69e-05
1663	130	0.21	1.65	-0.01	-1.39e-03	0.0	-1.28e-05
1663	140	0.99	0.12	-0.02	-9.56e-05	0.0	-1.40e-04
1663	161	-0.24	-1.82	-0.05	1.54e-03	0.0	1.86e-05
1663	162	0.24	1.86	-0.01	-1.56e-03	0.0	-1.45e-05
1663	172	0.95	0.12	-0.02	-9.29e-05	0.0	-1.39e-04
1663	193	-0.24	-1.81	-0.05	1.53e-03	0.0	1.62e-05
1663	194	0.24	1.84	-0.01	-1.54e-03	0.0	-1.21e-05
1663	204	1.10	0.13	-0.02	-1.04e-04	0.0	-1.64e-04
1663	225	-0.27	-2.11	-0.05	1.78e-03	0.0	1.71e-05
1663	226	0.27	2.15	-7.93e-03	-1.80e-03	0.0	-1.30e-05
1664	18	-5.72e-04	0.23	-4.05e-03	-5.16e-04	0.0	-1.25e-04
1664	28	-1.38e-03	-0.09	-4.90e-03	1.99e-04	0.0	4.11e-05
1664	75	-4.24e-04	0.15	-2.99e-03	-3.45e-04	0.0	-8.29e-05
1664	80	-9.66e-04	-0.06	-3.55e-03	1.32e-04	0.0	2.75e-05
1664	98	-7.65e-04	5.80e-03	-3.10e-03	-1.31e-05	0.0	1.54e-06
1664	103	-6.53e-04	0.04	-2.98e-03	-7.90e-05	0.0	-1.54e-05
1664	107	-7.26e-04	5.61e-03	-3.02e-03	-1.27e-05	0.0	1.50e-06
1664	111	-0.21	-0.05	-4.65e-03	1.24e-04	0.0	4.36e-05
1664	130	0.05	0.55	-2.16e-03	-1.38e-03	0.0	-9.83e-06
1664	143	-0.24	-0.06	-4.86e-03	1.41e-04	0.0	4.90e-05
1664	162	0.06	0.62	-2.05e-03	-1.55e-03	0.0	-1.11e-05
1664	175	-0.23	-0.05	-4.77e-03	1.38e-04	0.0	4.85e-05
1664	194	0.06	0.61	-2.05e-03	-1.53e-03	0.0	-9.91e-06
1664	207	-0.27	-0.06	-5.04e-03	1.61e-04	0.0	5.66e-05
1664	226	0.07	0.71	-1.89e-03	-1.78e-03	0.0	-1.12e-05
1665	1	0.0	0.0	0.0	-3.27e-04	0.0	-1.30e-05
1665	65	0.0	0.0	0.0	-2.19e-04	0.0	-8.61e-06
1665	97	0.0	0.0	0.0	-1.06e-05	0.0	0.0
1665	106	0.0	0.0	0.0	-1.06e-05	0.0	0.0
1665	108	0.0	0.0	0.0	-1.51e-04	0.0	-4.04e-06
1665	140	0.0	0.0	0.0	-1.68e-04	0.0	-4.58e-06
1665	172	0.0	0.0	0.0	-1.64e-04	0.0	-4.54e-06
1665	204	0.0	0.0	0.0	-1.87e-04	0.0	-5.36e-06
1666	18	1.67e-04	0.44	-7.31e-03	-4.54e-04	0.0	-2.25e-04
1666	28	-9.78e-04	-0.16	-8.83e-03	1.84e-04	0.0	7.39e-05
1666	75	9.11e-05	0.29	-5.38e-03	-3.03e-04	0.0	-1.50e-04
1666	80	-6.72e-04	-0.11	-6.39e-03	1.22e-04	0.0	4.95e-05
1666	98	-5.32e-04	0.01	-5.56e-03	-1.13e-05	0.0	2.66e-06
1666	103	-3.74e-04	0.07	-5.34e-03	-6.92e-05	0.0	-2.79e-05
1666	107	-4.99e-04	0.01	-5.41e-03	-1.09e-05	0.0	2.59e-06
1666	111	-0.47	-0.10	-7.82e-03	1.25e-04	0.0	8.87e-05
1666	130	0.11	1.10	-4.19e-03	-1.38e-03	0.0	-1.79e-05
1666	143	-0.53	-0.11	-8.12e-03	1.42e-04	0.0	9.96e-05
1666	162	0.13	1.24	-4.04e-03	-1.55e-03	0.0	-2.02e-05
1666	175	-0.51	-0.11	-8.00e-03	1.39e-04	0.0	9.88e-05
1666	194	0.13	1.23	-4.03e-03	-1.53e-03	0.0	-1.79e-05
1666	207	-0.58	-0.13	-8.39e-03	1.61e-04	0.0	1.15e-04
1666	226	0.15	1.43	-3.81e-03	-1.78e-03	0.0	-2.00e-05
1667	16	1.63e-03	0.60	-7.90e-03	-3.65e-04	0.0	-2.82e-04
1667	18	1.55e-03	0.61	-0.01	-3.68e-04	0.0	-2.81e-04
1667	28	1.66e-04	-0.24	-0.01	1.65e-04	0.0	9.30e-05
1667	73	1.10e-03	0.40	-5.97e-03	-2.44e-04	0.0	-1.88e-04
1667	75	1.05e-03	0.41	-7.52e-03	-2.46e-04	0.0	-1.87e-04
1667	80	1.28e-04	-0.16	-8.93e-03	1.09e-04	0.0	6.23e-05
1667	98	4.79e-05	0.02	-7.77e-03	-8.35e-06	0.0	3.65e-06
1667	102	2.92e-04	0.09	-6.13e-03	-5.39e-05	0.0	-3.52e-05
1667	103	2.46e-04	0.09	-7.45e-03	-5.56e-05	0.0	-3.46e-05
1667	106	1.02e-04	0.01	-6.22e-03	-6.41e-06	0.0	3.01e-06
1667	107	5.56e-05	0.01	-7.55e-03	-8.07e-06	0.0	3.56e-06
1667	108	0.89	0.18	-7.85e-03	-1.43e-04	0.0	-1.23e-04
1667	130	0.21	1.65	-6.72e-03	-1.37e-03	0.0	-2.02e-05
1667	133	0.60	-1.56	-8.59e-03	1.30e-03	0.0	4.14e-05
1667	140	1.00	0.20	-7.89e-03	-1.59e-04	0.0	-1.39e-04
1667	162	0.24	1.86	-6.61e-03	-1.54e-03	0.0	-2.29e-05
1667	165	0.68	-1.75	-8.72e-03	1.47e-03	0.0	4.63e-05
1667	172	0.96	0.19	-7.87e-03	-1.56e-04	0.0	-1.38e-04
1667	194	0.24	1.84	-6.62e-03	-1.53e-03	0.0	-1.99e-05
1667	197	0.65	-1.72	-8.69e-03	1.44e-03	0.0	4.66e-05
1667	204	1.10	0.22	-7.92e-03	-1.78e-04	0.0	-1.62e-04
1667	226	0.27	2.14	-6.47e-03	-1.78e-03	0.0	-2.20e-05
1667	229	0.75	-2.00	-8.88e-03	1.67e-03	0.0	5.46e-05
1668	18	-2.01e-04	0.32	-2.30e-03	-6.76e-04	0.0	-1.45e-04
1668	28	-8.25e-04	-0.11	-2.46e-03	2.52e-04	0.0	4.75e-05

1668	75	-1.59e-04	0.21	-1.75e-03	-4.52e-04	0.0	-9.66e-05
1668	80	-5.76e-04	-0.08	-1.86e-03	1.67e-04	0.0	3.18e-05
1668	98	-4.57e-04	4.80e-03	-1.80e-03	-1.12e-05	0.0	1.67e-06
1668	103	-3.72e-04	0.05	-1.78e-03	-9.88e-05	0.0	-1.80e-05
1668	107	-4.34e-04	4.64e-03	-1.79e-03	-1.08e-05	0.0	1.62e-06
1668	111	-0.21	-0.07	-0.02	1.84e-04	0.0	4.41e-05
1668	114	-0.21	0.23	-0.02	-5.87e-04	0.0	2.90e-05
1668	130	0.05	0.55	3.59e-03	-1.38e-03	0.0	-1.03e-05
1668	143	-0.24	-0.08	-0.03	2.08e-04	0.0	4.95e-05
1668	146	-0.24	0.26	-0.03	-6.60e-04	0.0	3.25e-05
1668	162	0.06	0.62	4.28e-03	-1.55e-03	0.0	-1.17e-05
1668	175	-0.23	-0.08	-0.03	2.04e-04	0.0	4.90e-05
1668	178	-0.23	0.26	-0.03	-6.50e-04	0.0	3.24e-05
1668	194	0.06	0.61	4.26e-03	-1.53e-03	0.0	-1.04e-05
1668	207	-0.26	-0.10	-0.03	2.38e-04	0.0	5.72e-05
1668	210	-0.26	0.30	-0.03	-7.55e-04	0.0	3.77e-05
1668	226	0.07	0.72	5.20e-03	-1.78e-03	0.0	-1.18e-05
1669	1	0.0	0.0	0.0	-4.32e-04	0.0	-1.34e-05
1669	65	0.0	0.0	0.0	-2.89e-04	0.0	-8.89e-06
1669	97	0.0	0.0	0.0	-8.89e-06	0.0	0.0
1669	106	0.0	0.0	0.0	-8.89e-06	0.0	0.0
1669	108	0.0	0.0	0.0	-2.07e-04	0.0	-4.00e-06
1669	140	0.0	0.0	0.0	-2.31e-04	0.0	-4.54e-06
1669	172	0.0	0.0	0.0	-2.27e-04	0.0	-4.49e-06
1669	204	0.0	0.0	0.0	-2.61e-04	0.0	-5.31e-06
1670	18	4.91e-04	0.60	-4.00e-03	-5.67e-04	0.0	-2.69e-04
1670	20	7.84e-04	0.59	-2.85e-03	-5.60e-04	0.0	-2.71e-04
1670	28	-4.70e-04	-0.22	-4.28e-03	2.22e-04	0.0	8.74e-05
1670	73	4.88e-04	0.40	-2.91e-03	-3.76e-04	0.0	-1.80e-04
1670	75	3.32e-04	0.40	-3.06e-03	-3.78e-04	0.0	-1.79e-04
1670	80	-3.09e-04	-0.14	-3.24e-03	1.47e-04	0.0	5.85e-05
1670	98	-2.21e-04	9.33e-03	-3.15e-03	-9.53e-06	0.0	2.81e-06
1670	103	-8.96e-05	0.09	-3.10e-03	-8.29e-05	0.0	-3.37e-05
1670	107	-1.99e-04	9.01e-03	-3.12e-03	-9.21e-06	0.0	2.74e-06
1670	111	-0.44	-0.15	-0.05	1.82e-04	0.0	9.00e-05
1670	130	0.11	1.11	7.96e-03	-1.37e-03	0.0	-1.97e-05
1670	143	-0.50	-0.17	-0.06	2.06e-04	0.0	1.01e-04
1670	162	0.12	1.24	9.37e-03	-1.54e-03	0.0	-2.22e-05
1670	175	-0.48	-0.17	-0.05	2.02e-04	0.0	1.00e-04
1670	194	0.12	1.23	9.34e-03	-1.53e-03	0.0	-1.97e-05
1670	207	-0.55	-0.19	-0.06	2.35e-04	0.0	1.17e-04
1670	226	0.14	1.43	0.01	-1.78e-03	0.0	-2.21e-05
1671	16	1.69e-03	0.79	-6.27e-03	-4.28e-04	0.0	-3.06e-04
1671	18	1.63e-03	0.79	-6.64e-03	-4.30e-04	0.0	-3.05e-04
1671	28	2.59e-04	-0.30	-7.11e-03	1.87e-04	0.0	1.01e-04
1671	73	1.15e-03	0.53	-4.82e-03	-2.86e-04	0.0	-2.04e-04
1671	75	1.11e-03	0.53	-5.07e-03	-2.87e-04	0.0	-2.03e-04
1671	80	1.97e-04	-0.20	-5.38e-03	1.24e-04	0.0	6.75e-05
1671	98	1.11e-04	0.01	-5.22e-03	-6.69e-06	0.0	3.92e-06
1671	102	3.44e-04	0.11	-4.94e-03	-6.12e-05	0.0	-3.82e-05
1671	103	3.06e-04	0.12	-5.15e-03	-6.25e-05	0.0	-3.76e-05
1671	106	1.55e-04	9.79e-03	-4.98e-03	-5.10e-06	0.0	3.21e-06
1671	107	1.17e-04	0.01	-5.19e-03	-6.46e-06	0.0	3.82e-06
1671	108	0.89	0.25	0.08	-1.94e-04	0.0	-1.23e-04
1671	111	-0.89	-0.22	-0.09	1.81e-04	0.0	1.30e-04
1671	130	0.21	1.65	0.01	-1.36e-03	0.0	-2.20e-05
1671	140	1.00	0.28	0.09	-2.17e-04	0.0	-1.39e-04
1671	143	-1.00	-0.25	-0.10	2.04e-04	0.0	1.46e-04
1671	162	0.24	1.86	0.02	-1.53e-03	0.0	-2.49e-05
1671	172	0.96	0.27	0.08	-2.13e-04	0.0	-1.38e-04
1671	175	-0.96	-0.25	-0.09	2.00e-04	0.0	1.45e-04
1671	194	0.24	1.84	0.02	-1.51e-03	0.0	-2.17e-05
1671	204	1.11	0.31	0.10	-2.45e-04	0.0	-1.62e-04
1671	207	-1.11	-0.29	-0.11	2.32e-04	0.0	1.70e-04
1671	226	0.28	2.14	0.02	-1.76e-03	0.0	-2.42e-05
1672	18	3.71e-03	0.57	-0.05	-2.51e-04	0.0	-2.17e-04
1672	28	2.30e-03	-0.24	-0.07	1.35e-04	0.0	7.18e-05
1672	75	2.56e-03	0.38	-0.04	-1.68e-04	0.0	-1.44e-04
1672	80	1.62e-03	-0.16	-0.05	8.99e-05	0.0	4.81e-05
1672	98	1.17e-03	0.02	-0.04	-5.70e-06	0.0	2.67e-06
1672	103	1.38e-03	0.09	-0.04	-3.79e-05	0.0	-2.68e-05
1672	107	1.13e-03	0.02	-0.04	-5.51e-06	0.0	2.62e-06
1672	108	1.36	0.15	-0.03	-8.25e-05	0.0	-1.70e-04
1672	129	-0.32	-2.24	-0.06	1.38e-03	0.0	1.76e-05
1672	130	0.32	2.28	-0.02	-1.39e-03	0.0	-1.24e-05

1672	140	1.53	0.16	-0.03	-9.17e-05	0.0	-1.92e-04
1672	161	-0.36	-2.52	-0.06	1.55e-03	0.0	1.93e-05
1672	162	0.36	2.56	-0.01	-1.56e-03	0.0	-1.40e-05
1672	172	1.47	0.16	-0.03	-8.89e-05	0.0	-1.91e-04
1672	193	-0.36	-2.50	-0.06	1.54e-03	0.0	1.66e-05
1672	194	0.36	2.54	-0.01	-1.55e-03	0.0	-1.13e-05
1672	204	1.69	0.18	-0.02	-1.00e-04	0.0	-2.24e-04
1672	225	-0.42	-2.92	-0.07	1.80e-03	0.0	1.71e-05
1672	226	0.42	2.96	-8.27e-03	-1.81e-03	0.0	-1.19e-05
1673	18	6.27e-03	0.67	-0.06	-1.99e-04	0.0	-2.06e-04
1673	28	4.89e-03	-0.30	-0.08	1.31e-04	0.0	7.09e-05
1673	75	4.37e-03	0.45	-0.04	-1.32e-04	0.0	-1.37e-04
1673	80	3.45e-03	-0.20	-0.06	8.70e-05	0.0	4.76e-05
1673	98	2.59e-03	0.02	-0.05	0.0	0.0	3.72e-06
1673	103	2.80e-03	0.11	-0.04	-2.69e-05	0.0	-2.46e-05
1673	107	2.49e-03	0.02	-0.05	0.0	0.0	3.63e-06
1673	108	1.82	0.18	-0.04	-7.74e-05	0.0	-2.16e-04
1673	129	-0.43	-2.86	-0.07	1.39e-03	0.0	1.75e-05
1673	130	0.43	2.91	-0.02	-1.39e-03	0.0	-1.02e-05
1673	140	2.05	0.20	-0.04	-8.65e-05	0.0	-2.44e-04
1673	161	-0.48	-3.22	-0.08	1.56e-03	0.0	1.90e-05
1673	162	0.49	3.27	-0.01	-1.57e-03	0.0	-1.18e-05
1673	172	1.97	0.20	-0.04	-8.38e-05	0.0	-2.42e-04
1673	193	-0.48	-3.19	-0.07	1.55e-03	0.0	1.63e-05
1673	194	0.49	3.24	-0.02	-1.55e-03	0.0	-9.05e-06
1673	204	2.26	0.22	-0.04	-9.49e-05	0.0	-2.85e-04
1673	225	-0.55	-3.73	-0.08	1.81e-03	0.0	1.66e-05
1673	226	0.56	3.78	-0.01	-1.81e-03	0.0	-9.32e-06
1674	18	3.68e-03	0.75	-0.01	-2.59e-04	0.0	-3.13e-04
1674	28	2.23e-03	-0.31	-0.02	1.41e-04	0.0	1.05e-04
1674	75	2.55e-03	0.50	-9.47e-03	-1.73e-04	0.0	-2.08e-04
1674	80	1.58e-03	-0.20	-0.01	9.39e-05	0.0	7.07e-05
1674	98	1.15e-03	0.02	-9.79e-03	-4.06e-06	0.0	4.89e-06
1674	103	1.36e-03	0.11	-9.39e-03	-3.76e-05	0.0	-3.79e-05
1674	107	1.11e-03	0.02	-9.51e-03	-3.92e-06	0.0	4.76e-06
1674	108	1.36	0.24	-8.37e-03	-1.36e-04	0.0	-1.66e-04
1674	127	-0.93	-1.98	-0.01	1.20e-03	0.0	1.20e-04
1674	130	0.32	2.27	-8.51e-03	-1.37e-03	0.0	-1.89e-05
1674	140	1.53	0.27	-8.23e-03	-1.53e-04	0.0	-1.88e-04
1674	159	-1.05	-2.23	-0.01	1.35e-03	0.0	1.34e-04
1674	162	0.36	2.55	-8.39e-03	-1.54e-03	0.0	-2.15e-05
1674	172	1.47	0.26	-8.31e-03	-1.49e-04	0.0	-1.87e-04
1674	191	-1.01	-2.20	-0.01	1.34e-03	0.0	1.32e-04
1674	194	0.36	2.52	-8.38e-03	-1.52e-03	0.0	-1.80e-05
1674	204	1.69	0.30	-8.13e-03	-1.71e-04	0.0	-2.20e-04
1674	223	-1.17	-2.57	-0.01	1.56e-03	0.0	1.53e-04
1674	226	0.42	2.94	-8.20e-03	-1.77e-03	0.0	-1.96e-05
1675	18	6.95e-03	0.84	-0.01	-1.45e-04	0.0	-3.10e-04
1675	28	5.58e-03	-0.36	-0.02	1.18e-04	0.0	1.07e-04
1675	75	4.87e-03	0.56	-0.01	-9.69e-05	0.0	-2.06e-04
1675	80	3.95e-03	-0.24	-0.01	7.87e-05	0.0	7.21e-05
1675	98	3.06e-03	0.02	-0.01	0.0	0.0	6.27e-06
1675	103	3.26e-03	0.13	-0.01	-1.87e-05	0.0	-3.64e-05
1675	107	2.94e-03	0.02	-0.01	0.0	0.0	6.09e-06
1675	108	1.84	0.30	-4.63e-03	-1.30e-04	0.0	-2.10e-04
1675	111	-1.83	-0.26	-0.02	1.31e-04	0.0	2.22e-04
1675	130	0.44	2.88	-8.72e-03	-1.35e-03	0.0	-1.44e-05
1675	140	2.07	0.34	-3.84e-03	-1.45e-04	0.0	-2.37e-04
1675	143	-2.06	-0.30	-0.02	1.47e-04	0.0	2.49e-04
1675	162	0.49	3.24	-8.42e-03	-1.52e-03	0.0	-1.66e-05
1675	172	1.98	0.33	-4.13e-03	-1.42e-04	0.0	-2.36e-04
1675	175	-1.98	-0.29	-0.02	1.44e-04	0.0	2.48e-04
1675	194	0.49	3.21	-8.41e-03	-1.51e-03	0.0	-1.30e-05
1675	204	2.28	0.37	-3.10e-03	-1.63e-04	0.0	-2.77e-04
1675	207	-2.28	-0.34	-0.02	1.65e-04	0.0	2.89e-04
1675	226	0.56	3.74	-7.99e-03	-1.76e-03	0.0	-1.39e-05
1676	18	3.89e-03	0.96	-9.49e-03	-2.78e-04	0.0	-3.40e-04
1676	28	2.44e-03	-0.37	-0.01	1.51e-04	0.0	1.14e-04
1676	75	2.70e-03	0.64	-7.24e-03	-1.86e-04	0.0	-2.26e-04
1676	80	1.73e-03	-0.25	-7.65e-03	1.00e-04	0.0	7.65e-05
1676	98	1.29e-03	0.02	-7.43e-03	-2.55e-06	0.0	5.27e-06
1676	103	1.50e-03	0.14	-7.33e-03	-3.90e-05	0.0	-4.11e-05
1676	107	1.24e-03	0.01	-7.38e-03	-2.46e-06	0.0	5.12e-06
1676	108	1.35	0.33	0.09	-1.86e-04	0.0	-1.66e-04
1676	111	-1.35	-0.31	-0.11	1.81e-04	0.0	1.76e-04

1676	130	0.32	2.26	0.02	-1.35e-03	0.0	-2.09e-05
1676	140	1.52	0.37	0.11	-2.09e-04	0.0	-1.87e-04
1676	143	-1.52	-0.35	-0.12	2.04e-04	0.0	1.98e-04
1676	162	0.36	2.54	0.02	-1.51e-03	0.0	-2.38e-05
1676	172	1.46	0.37	0.10	-2.04e-04	0.0	-1.86e-04
1676	175	-1.45	-0.34	-0.12	2.00e-04	0.0	1.96e-04
1676	194	0.36	2.52	0.02	-1.50e-03	0.0	-2.01e-05
1676	204	1.68	0.42	0.12	-2.36e-04	0.0	-2.19e-04
1676	207	-1.68	-0.39	-0.13	2.31e-04	0.0	2.29e-04
1676	226	0.42	2.93	0.02	-1.75e-03	0.0	-2.21e-05
1677	18	8.43e-03	1.07	-0.01	-9.25e-05	0.0	-3.72e-04
1677	28	7.10e-03	-0.44	-0.01	1.04e-04	0.0	1.27e-04
1677	75	5.94e-03	0.71	-9.64e-03	-6.15e-05	0.0	-2.48e-04
1677	80	5.05e-03	-0.29	-0.01	6.94e-05	0.0	8.50e-05
1677	98	4.04e-03	0.02	-9.82e-03	1.73e-06	0.0	6.56e-06
1677	103	4.23e-03	0.15	-9.72e-03	-1.10e-05	0.0	-4.45e-05
1677	107	3.90e-03	0.01	-9.76e-03	1.67e-06	0.0	6.37e-06
1677	108	1.86	0.42	0.09	-1.78e-04	0.0	-2.09e-04
1677	111	-1.86	-0.39	-0.11	1.81e-04	0.0	2.21e-04
1677	130	0.44	2.87	0.01	-1.32e-03	0.0	-1.71e-04
1677	140	2.10	0.47	0.10	-2.00e-04	0.0	-2.36e-04
1677	143	-2.09	-0.44	-0.12	2.03e-04	0.0	2.48e-04
1677	162	0.50	3.22	0.02	-1.49e-03	0.0	-1.97e-05
1677	172	2.01	0.46	0.10	-1.96e-04	0.0	-2.34e-04
1677	175	-2.01	-0.43	-0.11	1.99e-04	0.0	2.47e-04
1677	194	0.50	3.19	0.02	-1.47e-03	0.0	-1.58e-05
1677	204	2.32	0.53	0.11	-2.27e-04	0.0	-2.75e-04
1677	207	-2.31	-0.50	-0.13	2.30e-04	0.0	2.88e-04
1677	226	0.57	3.71	0.02	-1.72e-03	0.0	-1.70e-05
1678	18	8.43e-03	0.74	-0.07	-1.50e-04	0.0	-1.60e-04
1678	28	7.42e-03	-0.36	-0.09	1.29e-04	0.0	5.99e-05
1678	75	5.88e-03	0.50	-0.05	-9.98e-05	0.0	-1.06e-04
1678	80	5.21e-03	-0.24	-0.07	8.63e-05	0.0	4.03e-05
1678	98	3.92e-03	0.02	-0.05	5.35e-06	0.0	5.02e-06
1678	103	4.08e-03	0.12	-0.05	-1.59e-05	0.0	-1.74e-05
1678	107	3.76e-03	0.02	-0.05	5.17e-06	0.0	4.87e-06
1678	108	2.11	0.22	-0.05	-7.12e-05	0.0	-2.59e-04
1678	129	-0.49	-3.47	-0.08	1.40e-03	0.0	1.80e-05
1678	130	0.50	3.51	-0.02	-1.39e-03	0.0	-8.23e-06
1678	140	2.37	0.24	-0.05	-8.03e-05	0.0	-2.93e-04
1678	161	-0.55	-3.90	-0.08	1.57e-03	0.0	1.95e-05
1678	162	0.56	3.95	-0.02	-1.56e-03	0.0	-9.74e-06
1678	172	2.28	0.23	-0.05	-7.76e-05	0.0	-2.91e-04
1678	193	-0.55	-3.87	-0.08	1.56e-03	0.0	1.70e-05
1678	194	0.56	3.91	-0.02	-1.55e-03	0.0	-7.26e-06
1678	204	2.62	0.26	-0.05	-8.87e-05	0.0	-3.42e-04
1678	225	-0.64	-4.52	-0.09	1.82e-03	0.0	1.72e-05
1678	226	0.65	4.56	-0.02	-1.81e-03	0.0	-7.49e-06
1679	4	0.01	0.49	-0.10	-5.59e-05	0.0	-4.96e-05
1679	18	0.01	0.79	-0.09	-1.08e-04	0.0	-8.94e-05
1679	28	0.01	-0.41	-0.12	1.30e-04	0.0	4.03e-05
1679	68	8.15e-03	0.33	-0.07	-3.64e-05	0.0	-3.26e-05
1679	75	8.01e-03	0.53	-0.06	-7.10e-05	0.0	-5.91e-05
1679	80	7.85e-03	-0.27	-0.08	8.76e-05	0.0	2.73e-05
1679	98	5.98e-03	0.02	-0.07	1.19e-05	0.0	5.69e-06
1679	103	6.04e-03	0.12	-0.06	-5.19e-06	0.0	-7.49e-06
1679	107	5.72e-03	0.02	-0.06	1.15e-05	0.0	5.50e-06
1679	108	2.34	0.25	-0.06	-6.42e-05	0.0	-2.45e-04
1679	129	-0.54	-4.07	-0.09	1.40e-03	0.0	-1.82e-04
1679	130	0.55	4.11	-0.04	-1.38e-03	0.0	1.93e-04
1679	140	2.64	0.27	-0.06	-7.33e-05	0.0	-2.77e-04
1679	161	-0.61	-4.59	-0.09	1.58e-03	0.0	-2.06e-04
1679	162	0.62	4.62	-0.04	-1.55e-03	0.0	2.17e-04
1679	172	2.53	0.27	-0.06	-7.05e-05	0.0	-2.75e-04
1679	193	-0.61	-4.54	-0.09	1.56e-03	0.0	-2.09e-04
1679	194	0.62	4.58	-0.04	-1.54e-03	0.0	2.20e-04
1679	204	2.91	0.30	-0.06	-8.14e-05	0.0	-3.23e-04
1679	225	-0.71	-5.31	-0.09	1.82e-03	0.0	-2.51e-04
1679	226	0.72	5.34	-0.03	-1.80e-03	0.0	2.62e-04
1680	18	0.02	0.82	-0.12	-8.04e-05	0.0	-1.79e-05
1680	28	0.02	-0.47	-0.15	1.33e-04	0.0	1.69e-05
1680	75	0.01	0.55	-0.09	-5.24e-05	0.0	-1.16e-05
1680	80	0.01	-0.31	-0.11	8.98e-05	0.0	1.17e-05
1680	98	0.01	9.75e-03	-0.09	1.70e-05	0.0	4.80e-06
1680	103	0.01	0.12	-0.08	2.39e-06	0.0	1.36e-06

1680	107	9.92e-03	9.47e-03	-0.08	1.64e-05	0.0	4.66e-06
1680	113	2.58	-2.29	-0.09	6.98e-04	0.0	-2.78e-04
1680	129	-0.59	-4.68	-0.10	1.40e-03	0.0	-2.10e-04
1680	130	0.61	4.70	-0.07	-1.37e-03	0.0	2.19e-04
1680	145	2.90	-2.58	-0.09	7.83e-04	0.0	-3.14e-04
1680	161	-0.66	-5.27	-0.10	1.58e-03	0.0	-2.38e-04
1680	162	0.68	5.29	-0.06	-1.55e-03	0.0	2.47e-04
1680	177	2.78	-2.54	-0.09	7.73e-04	0.0	-3.11e-04
1680	193	-0.66	-5.22	-0.10	1.57e-03	0.0	-2.42e-04
1680	194	0.68	5.24	-0.07	-1.53e-03	0.0	2.51e-04
1680	209	3.21	-2.96	-0.10	8.98e-04	0.0	-3.65e-04
1680	225	-0.77	-6.10	-0.11	1.82e-03	0.0	-2.90e-04
1680	226	0.79	6.12	-0.06	-1.79e-03	0.0	2.99e-04
1681	18	9.01e-03	0.88	-0.02	-4.57e-05	0.0	-2.33e-04
1681	28	8.04e-03	-0.41	-0.02	9.81e-05	0.0	8.65e-05
1681	75	6.29e-03	0.59	-0.01	-3.00e-05	0.0	-1.55e-04
1681	80	5.64e-03	-0.27	-0.01	6.58e-05	0.0	5.83e-05
1681	98	4.30e-03	0.02	-0.01	5.61e-06	0.0	7.22e-06
1681	103	4.44e-03	0.13	-0.01	-1.75e-06	0.0	-2.55e-05
1681	107	4.11e-03	0.02	-0.01	5.41e-06	0.0	7.00e-06
1681	108	2.11	0.36	-8.15e-04	-1.23e-04	0.0	-2.54e-04
1681	111	-2.10	-0.32	-0.02	1.34e-04	0.0	2.68e-04
1681	130	0.50	3.47	-8.18e-03	-1.34e-03	0.0	-7.79e-06
1681	140	2.38	0.40	5.80e-04	-1.38e-04	0.0	-2.87e-04
1681	143	-2.37	-0.36	-0.02	1.49e-04	0.0	3.01e-04
1681	162	0.56	3.90	-7.70e-03	-1.51e-03	0.0	-9.46e-06
1681	172	2.28	0.39	6.66e-05	-1.35e-04	0.0	-2.85e-04
1681	175	-2.27	-0.35	-0.02	1.46e-04	0.0	2.99e-04
1681	194	0.56	3.86	-7.68e-03	-1.50e-03	0.0	-6.49e-06
1681	204	2.63	0.44	1.89e-03	-1.56e-04	0.0	-3.36e-04
1681	207	-2.62	-0.41	-0.03	1.67e-04	0.0	3.50e-04
1681	226	0.65	4.50	-6.99e-03	-1.75e-03	0.0	-6.70e-06
1682	4	0.01	0.53	-0.02	2.62e-05	0.0	-7.09e-05
1682	18	0.01	0.87	-0.02	3.18e-05	0.0	-1.26e-04
1682	28	0.01	-0.45	-0.02	8.35e-05	0.0	5.25e-05
1682	68	8.76e-03	0.36	-0.01	1.82e-05	0.0	-4.67e-05
1682	75	8.56e-03	0.58	-0.01	2.20e-05	0.0	-8.32e-05
1682	80	8.42e-03	-0.30	-0.02	5.64e-05	0.0	3.55e-05
1682	98	6.47e-03	0.01	-0.01	9.68e-06	0.0	6.39e-06
1682	103	6.51e-03	0.13	-0.01	1.17e-05	0.0	-1.18e-05
1682	107	6.18e-03	0.01	-0.01	9.34e-06	0.0	6.20e-06
1682	108	2.34	0.41	7.30e-04	-1.17e-04	0.0	-2.43e-04
1682	111	-2.33	-0.38	-0.03	1.36e-04	0.0	2.55e-04
1682	130	0.55	4.05	-7.94e-03	-1.33e-03	0.0	1.92e-04
1682	140	2.64	0.45	2.48e-03	-1.33e-04	0.0	-2.74e-04
1682	143	-2.62	-0.43	-0.03	1.51e-04	0.0	2.87e-04
1682	162	0.62	4.55	-7.26e-03	-1.50e-03	0.0	2.16e-04
1682	172	2.53	0.44	1.84e-03	-1.29e-04	0.0	-2.72e-04
1682	175	-2.52	-0.42	-0.03	1.48e-04	0.0	2.85e-04
1682	194	0.62	4.50	-7.23e-03	-1.48e-03	0.0	2.19e-04
1682	204	2.91	0.51	4.12e-03	-1.50e-04	0.0	-3.20e-04
1682	207	-2.90	-0.48	-0.03	1.68e-04	0.0	3.32e-04
1682	226	0.72	5.25	-6.25e-03	-1.73e-03	0.0	2.60e-04
1683	4	0.02	0.50	-0.03	5.47e-05	0.0	-1.02e-05
1683	18	0.02	0.82	-0.02	7.61e-05	0.0	-2.13e-05
1683	28	0.02	-0.47	-0.03	7.59e-05	0.0	1.59e-05
1683	68	0.01	0.33	-0.02	3.74e-05	0.0	-6.44e-06
1683	75	0.01	0.55	-0.02	5.17e-05	0.0	-1.39e-05
1683	80	0.01	-0.32	-0.02	5.15e-05	0.0	1.09e-05
1683	98	9.90e-03	7.90e-03	-0.02	1.24e-05	0.0	3.88e-06
1683	103	9.76e-03	0.12	-0.02	1.97e-05	0.0	0.0
1683	107	9.45e-03	7.66e-03	-0.02	1.19e-05	0.0	3.78e-06
1683	108	2.58	0.45	-1.07e-03	-1.14e-04	0.0	-2.79e-04
1683	111	-2.56	-0.44	-0.03	1.38e-04	0.0	2.87e-04
1683	130	0.61	4.62	-9.13e-03	-1.32e-03	0.0	2.19e-04
1683	140	2.90	0.51	8.44e-04	-1.29e-04	0.0	-3.15e-04
1683	143	-2.88	-0.49	-0.03	1.53e-04	0.0	3.23e-04
1683	162	0.68	5.20	-8.21e-03	-1.49e-03	0.0	2.46e-04
1683	175	-2.76	-0.48	-0.03	1.50e-04	0.0	3.20e-04
1683	177	2.78	-2.33	-4.37e-03	6.94e-04	0.0	-3.12e-04
1683	194	0.68	5.14	-8.17e-03	-1.48e-03	0.0	2.50e-04
1683	207	-3.19	-0.56	-0.04	1.70e-04	0.0	3.74e-04
1683	209	3.21	-2.72	-2.57e-03	8.07e-04	0.0	-3.65e-04
1683	226	0.79	6.00	-6.81e-03	-1.72e-03	0.0	2.98e-04
1684	18	0.01	1.03	-0.01	7.85e-05	0.0	-2.63e-04

1684	28	9.07e-03	-0.47	-0.01	5.90e-05	0.0	9.61e-05
1684	75	7.02e-03	0.69	-0.01	5.27e-05	0.0	-1.74e-04
1684	80	6.36e-03	-0.31	-0.01	3.97e-05	0.0	6.47e-05
1684	98	4.92e-03	0.01	-0.01	4.71e-06	0.0	7.60e-06
1684	103	5.05e-03	0.15	-0.01	1.41e-05	0.0	-2.91e-05
1684	107	4.70e-03	0.01	-0.01	4.55e-06	0.0	7.37e-06
1684	108	2.11	0.49	0.08	-1.72e-04	0.0	-2.53e-04
1684	111	-2.10	-0.47	-0.10	1.81e-04	0.0	2.67e-04
1684	130	0.50	3.43	0.01	-1.30e-03	0.0	-8.06e-06
1684	140	2.38	0.55	0.09	-1.93e-04	0.0	-2.85e-04
1684	143	-2.37	-0.53	-0.11	2.03e-04	0.0	3.00e-04
1684	162	0.56	3.86	0.01	-1.46e-03	0.0	-9.79e-06
1684	172	2.28	0.54	0.09	-1.89e-04	0.0	-2.84e-04
1684	175	-2.27	-0.52	-0.11	1.99e-04	0.0	2.98e-04
1684	194	0.56	3.81	0.01	-1.44e-03	0.0	-6.68e-06
1684	204	2.63	0.63	0.10	-2.19e-04	0.0	-3.34e-04
1684	207	-2.62	-0.60	-0.12	2.28e-04	0.0	3.49e-04
1684	226	0.65	4.44	0.02	-1.69e-03	0.0	-6.91e-06
1685	4	0.01	0.58	-0.02	1.14e-04	0.0	-7.63e-05
1685	18	0.01	0.95	-0.01	1.84e-04	0.0	-1.34e-04
1685	28	0.01	-0.48	-0.02	3.01e-05	0.0	5.48e-05
1685	68	9.22e-03	0.38	-0.01	7.68e-05	0.0	-5.04e-05
1685	75	9.00e-03	0.63	-0.01	1.23e-04	0.0	-8.91e-05
1685	80	8.73e-03	-0.32	-0.01	2.06e-05	0.0	3.70e-05
1685	98	6.77e-03	0.01	-0.01	5.97e-06	0.0	6.23e-06
1685	103	6.82e-03	0.13	-0.01	2.91e-05	0.0	-1.31e-05
1685	107	6.47e-03	9.94e-03	-0.01	5.77e-06	0.0	6.04e-06
1685	108	2.34	0.57	0.08	-1.68e-04	0.0	-2.43e-04
1685	114	-2.33	1.69	-0.10	-5.46e-04	0.0	2.51e-04
1685	130	0.55	3.98	8.79e-03	-1.28e-03	0.0	1.92e-04
1685	140	2.64	0.64	0.09	-1.90e-04	0.0	-2.74e-04
1685	146	-2.62	1.90	-0.11	-6.15e-04	0.0	2.82e-04
1685	162	0.62	4.48	0.01	-1.44e-03	0.0	2.16e-04
1685	172	2.53	0.62	0.08	-1.85e-04	0.0	-2.72e-04
1685	178	-2.52	1.88	-0.11	-6.07e-04	0.0	2.80e-04
1685	194	0.62	4.43	0.01	-1.43e-03	0.0	2.18e-04
1685	204	2.91	0.72	0.10	-2.15e-04	0.0	-3.20e-04
1685	210	-2.90	2.18	-0.12	-7.08e-04	0.0	3.26e-04
1685	226	0.72	5.16	0.01	-1.67e-03	0.0	2.60e-04
1686	4	0.02	0.50	-0.02	1.58e-04	0.0	-2.94e-06
1686	18	0.02	0.82	-0.02	2.57e-04	0.0	-6.59e-06
1686	28	0.02	-0.48	-0.02	8.45e-06	0.0	6.54e-06
1686	68	0.01	0.33	-0.01	1.06e-04	0.0	-1.79e-06
1686	75	0.01	0.55	-0.01	1.72e-04	0.0	-4.22e-06
1686	80	0.01	-0.32	-0.01	6.12e-06	0.0	4.53e-06
1686	98	9.28e-03	7.57e-03	-0.01	6.10e-06	0.0	1.68e-06
1686	103	9.20e-03	0.12	-0.01	3.90e-05	0.0	0.0
1686	107	8.85e-03	7.31e-03	-0.01	5.90e-06	0.0	1.66e-06
1686	108	2.58	0.64	0.07	-1.69e-04	0.0	-2.82e-04
1686	114	-2.56	1.93	-0.10	-5.41e-04	0.0	2.85e-04
1686	130	0.61	4.54	7.57e-03	-1.28e-03	0.0	2.17e-04
1686	140	2.90	0.72	0.08	-1.91e-04	0.0	-3.18e-04
1686	146	-2.88	2.17	-0.11	-6.10e-04	0.0	3.20e-04
1686	162	0.68	5.10	0.01	-1.44e-03	0.0	2.45e-04
1686	172	2.78	0.71	0.08	-1.87e-04	0.0	-3.15e-04
1686	178	-2.76	2.14	-0.11	-6.02e-04	0.0	3.18e-04
1686	194	0.68	5.05	0.01	-1.42e-03	0.0	2.49e-04
1686	209	3.20	-2.47	0.10	7.14e-04	0.0	-3.68e-04
1686	210	-3.19	2.49	-0.12	-7.02e-04	0.0	3.71e-04
1686	226	0.79	5.88	0.01	-1.66e-03	0.0	2.97e-04
1687	18	1.35e-04	0.39	-9.89e-04	-9.59e-04	0.0	-1.37e-04
1687	27	-3.21e-04	-0.14	-1.02e-03	3.40e-04	0.0	4.49e-05
1687	28	-3.16e-04	-0.14	-1.02e-03	3.40e-04	0.0	4.50e-05
1687	75	8.07e-05	0.26	-7.58e-04	-6.40e-04	0.0	-9.10e-05
1687	79	-2.23e-04	-0.09	-7.78e-04	2.26e-04	0.0	3.01e-05
1687	80	-2.20e-04	-0.09	-7.80e-04	2.26e-04	0.0	3.02e-05
1687	98	-1.76e-04	3.91e-03	-7.69e-04	-9.72e-06	0.0	1.85e-06
1687	103	-1.16e-04	0.05	-7.64e-04	-1.35e-04	0.0	-1.68e-05
1687	107	-1.66e-04	3.78e-03	-7.66e-04	-9.38e-06	0.0	1.79e-06
1687	111	-0.22	-0.09	2.77e-03	2.32e-04	0.0	4.27e-05
1687	113	0.21	-0.21	-4.31e-03	5.33e-04	0.0	-2.63e-05
1687	130	0.05	0.55	-1.58e-03	-1.38e-03	0.0	-6.11e-06
1687	143	-0.24	-0.10	3.21e-03	2.62e-04	0.0	4.79e-05
1687	145	0.24	-0.24	-4.76e-03	6.01e-04	0.0	-2.99e-05
1687	162	0.06	0.62	-1.68e-03	-1.55e-03	0.0	-6.97e-06

1687	175	-0.23	-0.10	3.05e-03	2.57e-04	0.0	4.73e-05
1687	177	0.23	-0.24	-4.60e-03	5.92e-04	0.0	-2.97e-05
1687	194	0.06	0.61	-1.53e-03	-1.53e-03	0.0	-5.76e-06
1687	207	-0.27	-0.12	3.63e-03	3.00e-04	0.0	5.51e-05
1687	209	0.27	-0.28	-5.18e-03	6.90e-04	0.0	-3.51e-05
1687	226	0.07	0.71	-1.82e-03	-1.78e-03	0.0	-6.47e-06
1688	1	0.0	0.0	0.0	-5.78e-04	0.0	-1.42e-05
1688	65	0.0	0.0	0.0	-3.86e-04	0.0	-9.45e-06
1688	97	0.0	0.0	0.0	-7.39e-06	0.0	0.0
1688	106	0.0	0.0	0.0	-7.39e-06	0.0	0.0
1688	108	0.0	0.0	0.0	-2.51e-04	0.0	-3.33e-06
1688	140	0.0	0.0	0.0	-2.81e-04	0.0	-3.80e-06
1688	172	0.0	0.0	0.0	-2.76e-04	0.0	-3.75e-06
1688	204	0.0	0.0	0.0	-3.19e-04	0.0	-4.44e-06
1689	16	8.35e-04	0.76	-1.36e-03	-9.57e-04	0.0	-2.70e-04
1689	18	7.90e-04	0.77	-1.40e-03	-9.60e-04	0.0	-2.69e-04
1689	28	1.20e-04	-0.27	-1.45e-03	3.40e-04	0.0	8.75e-05
1689	73	5.76e-04	0.51	-1.05e-03	-6.38e-04	0.0	-1.80e-04
1689	75	5.46e-04	0.51	-1.08e-03	-6.41e-04	0.0	-1.79e-04
1689	80	9.99e-05	-0.18	-1.11e-03	2.26e-04	0.0	5.86e-05
1689	98	1.03e-04	7.81e-03	-1.09e-03	-9.71e-06	0.0	3.17e-06
1689	102	2.17e-04	0.11	-1.06e-03	-1.33e-04	0.0	-3.40e-05
1689	103	1.92e-04	0.11	-1.08e-03	-1.36e-04	0.0	-3.34e-05
1689	106	1.32e-04	5.92e-03	-1.07e-03	-7.37e-06	0.0	2.45e-06
1689	107	1.07e-04	7.54e-03	-1.09e-03	-9.38e-06	0.0	3.07e-06
1689	108	0.40	0.20	-9.58e-03	-2.51e-04	0.0	-7.56e-05
1689	113	0.40	-0.43	-9.59e-03	5.33e-04	0.0	-5.02e-05
1689	130	0.10	1.11	-3.07e-03	-1.38e-03	0.0	-1.35e-05
1689	140	0.45	0.23	-0.01	-2.81e-04	0.0	-8.55e-05
1689	145	0.45	-0.48	-0.01	6.01e-04	0.0	-5.69e-05
1689	162	0.11	1.24	-3.32e-03	-1.55e-03	0.0	-1.53e-05
1689	172	0.43	0.22	-0.01	-2.76e-04	0.0	-8.44e-05
1689	177	0.43	-0.47	-0.01	5.92e-04	0.0	-5.66e-05
1689	194	0.11	1.23	-3.31e-03	-1.53e-03	0.0	-1.28e-05
1689	204	0.50	0.26	-0.01	-3.19e-04	0.0	-9.93e-05
1689	209	0.50	-0.55	-0.01	6.90e-04	0.0	-6.68e-05
1689	226	0.12	1.43	-3.65e-03	-1.78e-03	0.0	-1.44e-05
1690	1	0.0	0.0	0.0	0.0	0.0	0.0
1690	65	0.0	0.0	0.0	0.0	0.0	0.0
1690	97	0.0	0.0	0.0	0.0	1.14e-06	0.0
1690	106	0.0	0.0	0.0	0.0	1.14e-06	0.0
1690	108	0.0	0.0	0.0	0.0	1.80e-03	1.39e-06
1690	140	0.0	0.0	0.0	0.0	2.03e-03	1.57e-06
1690	172	0.0	0.0	0.0	0.0	2.04e-03	1.47e-06
1690	204	0.0	0.0	0.0	0.0	2.40e-03	1.68e-06
1691	18	3.30e-04	0.45	-6.39e-04	-1.11e-03	0.0	-1.13e-04
1691	20	3.53e-04	0.44	-4.88e-04	-1.10e-03	0.0	-1.14e-04
1691	28	-3.49e-05	-0.16	-6.42e-04	3.89e-04	0.0	3.77e-05
1691	73	2.32e-04	0.30	-4.88e-04	-7.37e-04	0.0	-7.54e-05
1691	75	2.20e-04	0.30	-4.91e-04	-7.39e-04	0.0	-7.50e-05
1691	80	-2.33e-05	-0.10	-4.93e-04	2.58e-04	0.0	2.53e-05
1691	98	-1.90e-05	3.10e-03	-4.92e-04	-7.77e-06	0.0	1.80e-06
1691	102	3.85e-05	0.06	-4.89e-04	-1.52e-04	0.0	-1.40e-05
1691	103	2.84e-05	0.06	-4.91e-04	-1.54e-04	0.0	-1.36e-05
1691	107	-1.73e-05	3.00e-03	-4.91e-04	-7.49e-06	0.0	1.74e-06
1691	111	-0.21	-0.11	-7.68e-04	2.78e-04	0.0	4.28e-05
1691	130	0.05	0.55	-4.23e-04	-1.38e-03	0.0	-5.04e-06
1691	143	-0.24	-0.13	-8.03e-04	3.13e-04	0.0	4.79e-05
1691	162	0.06	0.62	-4.15e-04	-1.55e-03	0.0	-5.79e-06
1691	175	-0.23	-0.12	-7.91e-04	3.08e-04	0.0	4.74e-05
1691	194	0.06	0.61	-4.15e-04	-1.53e-03	0.0	-4.71e-06
1691	207	-0.27	-0.14	-8.36e-04	3.59e-04	0.0	5.52e-05
1691	226	0.07	0.71	-4.03e-04	-1.78e-03	0.0	-5.24e-06
1692	1	0.0	0.0	0.0	-6.66e-04	0.0	-1.28e-05
1692	65	0.0	0.0	0.0	-4.44e-04	0.0	-8.50e-06
1692	97	0.0	0.0	0.0	-5.86e-06	0.0	0.0
1692	106	0.0	0.0	0.0	-5.86e-06	0.0	0.0
1692	108	0.0	0.0	0.0	-2.93e-04	0.0	-3.42e-06
1692	140	0.0	0.0	0.0	-3.28e-04	0.0	-3.89e-06
1692	172	0.0	0.0	0.0	-3.23e-04	0.0	-3.84e-06
1692	204	0.0	0.0	0.0	-3.74e-04	0.0	-4.55e-06
1693	18	8.51e-04	0.89	-8.46e-04	-1.11e-03	0.0	-2.01e-04
1693	28	3.20e-04	-0.31	-8.51e-04	3.89e-04	0.0	6.72e-05
1693	75	5.82e-04	0.59	-6.50e-04	-7.41e-04	0.0	-1.34e-04
1693	80	2.29e-04	-0.21	-6.53e-04	2.59e-04	0.0	4.51e-05

1693	98	1.83e-04	6.21e-03	-6.50e-04	-7.77e-06	0.0	3.21e-06
1693	103	2.51e-04	0.12	-6.50e-04	-1.54e-04	0.0	-2.43e-05
1693	107	1.77e-04	6.00e-03	-6.50e-04	-7.50e-06	0.0	3.11e-06
1693	108	0.38	0.23	-2.94e-04	-2.93e-04	0.0	-7.52e-05
1693	111	-0.38	-0.22	-1.01e-03	2.78e-04	0.0	8.14e-05
1693	130	0.09	1.10	-5.61e-04	-1.38e-03	0.0	-9.65e-06
1693	140	0.43	0.26	-2.49e-04	-3.28e-04	0.0	-8.51e-05
1693	143	-0.43	-0.25	-1.05e-03	3.13e-04	0.0	9.13e-05
1693	162	0.10	1.24	-5.50e-04	-1.55e-03	0.0	-1.11e-05
1693	172	0.41	0.26	-2.65e-04	-3.23e-04	0.0	-8.40e-05
1693	175	-0.41	-0.25	-1.03e-03	3.08e-04	0.0	9.02e-05
1693	194	0.10	1.22	-5.50e-04	-1.53e-03	0.0	-9.01e-06
1693	204	0.47	0.30	-2.06e-04	-3.74e-04	0.0	-9.89e-05
1693	207	-0.47	-0.29	-1.09e-03	3.59e-04	0.0	1.05e-04
1693	226	0.12	1.42	-5.35e-04	-1.78e-03	0.0	-9.99e-06
1694	28	0.01	-0.44	-1.65	0.0	4.55e-06	-5.39e-06
1694	45	1.13e-04	-0.77	-0.62	0.0	0.0	-1.68e-06
1694	52	0.02	0.02	-1.59	0.0	5.26e-06	-5.67e-06
1694	80	9.43e-03	-0.30	-1.15	0.0	3.10e-06	-3.81e-06
1694	85	1.71e-03	-0.51	-0.63	0.0	0.0	-1.97e-06
1694	92	0.01	0.01	-1.11	0.0	3.58e-06	-4.00e-06
1694	98	8.47e-03	8.64e-03	-0.91	0.0	2.84e-06	-3.35e-06
1694	103	7.11e-03	0.11	-0.85	0.0	2.42e-06	-3.13e-06
1694	107	7.82e-03	7.86e-03	-0.86	0.0	2.63e-06	-3.20e-06
1694	112	6.07	0.01	-0.89	0.0	1.82e-03	-3.31e-04
1694	130	-3.38	4.19	-0.32	0.0	-1.01e-03	1.99e-04
1694	133	-0.25	-3.95	-1.40	0.0	-6.89e-05	1.81e-05
1694	144	6.84	8.42e-03	-0.90	0.0	2.06e-03	-3.73e-04
1694	162	-3.83	4.71	-0.25	0.0	-1.14e-03	2.26e-04
1694	165	-0.28	-4.44	-1.47	0.0	-7.95e-05	2.12e-05
1694	176	6.89	-6.88e-03	-0.90	0.0	2.07e-03	-3.72e-04
1694	193	3.95	-4.66	-1.46	0.0	1.18e-03	-2.36e-04
1694	194	-3.93	4.67	-0.26	0.0	-1.17e-03	2.30e-04
1694	208	8.12	-0.02	-0.91	0.0	2.44e-03	-4.37e-04
1694	225	4.73	-5.44	-1.57	0.0	1.41e-03	-2.82e-04
1694	226	-4.71	5.46	-0.15	0.0	-1.41e-03	2.76e-04
1695	4	4.09e-04	0.29	-9.75e-04	-7.27e-04	0.0	-5.32e-05
1695	18	5.12e-04	0.49	-9.72e-04	-1.20e-03	0.0	-9.08e-05
1695	68	2.81e-04	0.20	-7.47e-04	-4.85e-04	0.0	-3.53e-05
1695	75	3.50e-04	0.32	-7.45e-04	-8.03e-04	0.0	-6.04e-05
1695	98	1.22e-04	2.30e-03	-7.39e-04	-5.80e-06	0.0	1.78e-06
1695	103	1.59e-04	0.07	-7.39e-04	-1.65e-04	0.0	-1.07e-05
1695	107	1.17e-04	2.22e-03	-7.38e-04	-5.59e-06	0.0	1.72e-06
1695	108	0.21	0.13	3.35e-03	-3.35e-04	0.0	-3.95e-05
1695	111	-0.21	-0.13	-4.82e-03	3.24e-04	0.0	4.29e-05
1695	130	0.05	0.55	2.31e-04	-1.38e-03	0.0	-4.64e-06
1695	140	0.24	0.15	3.86e-03	-3.76e-04	0.0	-4.47e-05
1695	143	-0.24	-0.15	-5.33e-03	3.65e-04	0.0	4.81e-05
1695	162	0.06	0.62	3.54e-04	-1.55e-03	0.0	-5.34e-06
1695	172	0.23	0.15	3.67e-03	-3.71e-04	0.0	-4.41e-05
1695	175	-0.23	-0.14	-5.15e-03	3.59e-04	0.0	4.75e-05
1695	194	0.06	0.61	3.53e-04	-1.52e-03	0.0	-4.30e-06
1695	204	0.26	0.17	4.34e-03	-4.29e-04	0.0	-5.19e-05
1695	207	-0.26	-0.17	-5.82e-03	4.18e-04	0.0	5.53e-05
1695	226	0.07	0.71	5.21e-04	-1.77e-03	0.0	-4.76e-06
1696	1	0.0	0.0	0.0	-7.26e-04	0.0	-1.16e-05
1696	65	0.0	0.0	0.0	-4.84e-04	0.0	-7.68e-06
1696	97	0.0	0.0	0.0	-4.34e-06	0.0	0.0
1696	106	0.0	0.0	0.0	-4.34e-06	0.0	0.0
1696	108	0.0	0.0	0.0	-3.35e-04	0.0	-3.37e-06
1696	140	0.0	0.0	0.0	-3.76e-04	0.0	-3.84e-06
1696	172	0.0	0.0	0.0	-3.70e-04	0.0	-3.78e-06
1696	204	0.0	0.0	0.0	-4.29e-04	0.0	-4.48e-06
1697	4	8.74e-04	0.58	-1.37e-03	-7.27e-04	0.0	-7.67e-05
1697	18	1.00e-03	0.97	-1.37e-03	-1.21e-03	0.0	-1.32e-04
1697	68	5.96e-04	0.39	-1.05e-03	-4.85e-04	0.0	-5.09e-05
1697	75	6.80e-04	0.64	-1.05e-03	-8.04e-04	0.0	-8.76e-05
1697	98	2.99e-04	4.61e-03	-1.04e-03	-5.80e-06	0.0	3.23e-06
1697	103	3.50e-04	0.13	-1.04e-03	-1.65e-04	0.0	-1.51e-05
1697	107	2.81e-04	4.45e-03	-1.04e-03	-5.59e-06	0.0	3.13e-06
1697	108	0.37	0.27	8.49e-03	-3.35e-04	0.0	-7.59e-05
1697	111	-0.37	-0.26	-0.01	3.24e-04	0.0	8.21e-05
1697	130	0.09	1.10	1.22e-03	-1.38e-03	0.0	-7.32e-06
1697	140	0.42	0.30	9.68e-03	-3.76e-04	0.0	-8.58e-05
1697	143	-0.42	-0.29	-0.01	3.65e-04	0.0	9.21e-05

1697	162	0.10	1.24	1.50e-03	-1.55e-03	0.0	-8.47e-06
1697	172	0.40	0.30	9.25e-03	-3.71e-04	0.0	-8.47e-05
1697	175	-0.40	-0.29	-0.01	3.59e-04	0.0	9.09e-05
1697	194	0.10	1.22	1.50e-03	-1.52e-03	0.0	-6.64e-06
1697	204	0.46	0.34	0.01	-4.29e-04	0.0	-9.96e-05
1697	207	-0.46	-0.33	-0.01	4.18e-04	0.0	1.06e-04
1697	226	0.11	1.42	1.89e-03	-1.77e-03	0.0	-7.28e-06
1698	28	0.01	-0.42	-1.43	0.0	4.50e-06	-4.58e-06
1698	45	1.47e-04	-0.71	-0.56	0.0	0.0	-1.42e-06
1698	52	0.01	8.48e-03	-1.36	0.0	5.20e-06	-4.84e-06
1698	80	8.15e-03	-0.28	-0.99	0.0	3.07e-06	-3.24e-06
1698	85	1.50e-03	-0.48	-0.56	0.0	0.0	-1.68e-06
1698	92	9.26e-03	5.21e-03	-0.94	0.0	3.53e-06	-3.42e-06
1698	98	7.30e-03	2.49e-03	-0.77	0.0	2.79e-06	-2.87e-06
1698	104	2.98e-03	-0.10	-0.50	0.0	1.15e-06	-1.92e-06
1698	107	6.74e-03	1.93e-03	-0.73	0.0	2.58e-06	-2.75e-06
1698	112	5.28	3.23e-03	-0.76	0.0	1.87e-03	-2.37e-04
1698	125	3.05	-3.56	-1.33	0.0	1.08e-03	-1.47e-04
1698	130	-2.94	3.57	-0.13	0.0	-1.04e-03	1.46e-04
1698	144	5.95	1.25e-03	-0.77	0.0	2.11e-03	-2.67e-04
1698	157	3.45	-4.01	-1.41	0.0	1.22e-03	-1.65e-04
1698	162	-3.33	4.02	-0.05	0.0	-1.18e-03	1.66e-04
1698	176	5.99	-0.01	-0.77	0.0	2.13e-03	-2.65e-04
1698	193	3.43	-3.98	-1.40	0.0	1.21e-03	-1.73e-04
1698	194	-3.42	3.99	-0.06	0.0	-1.21e-03	1.68e-04
1698	208	7.06	-0.03	-0.78	0.0	2.51e-03	-3.11e-04
1698	225	4.11	-4.66	-1.52	0.0	1.45e-03	-2.06e-04
1698	226	-4.10	4.66	0.06	0.0	-1.45e-03	2.01e-04
1699	4	0.01	0.70	-0.03	2.27e-04	0.0	-1.48e-04
1699	18	0.01	1.16	-0.03	3.73e-04	0.0	-2.51e-04
1699	28	9.98e-03	-0.51	-0.03	-3.02e-05	0.0	8.28e-05
1699	68	7.69e-03	0.47	-0.02	1.52e-04	0.0	-9.86e-05
1699	75	7.67e-03	0.77	-0.02	2.49e-04	0.0	-1.67e-04
1699	80	7.01e-03	-0.34	-0.02	-1.98e-05	0.0	5.55e-05
1699	98	5.48e-03	0.01	-0.02	4.26e-06	0.0	3.26e-06
1699	103	5.59e-03	0.16	-0.02	5.30e-05	0.0	-3.09e-05
1699	107	5.23e-03	0.01	-0.02	4.12e-06	0.0	3.17e-06
1699	108	2.11	0.60	0.04	-2.06e-04	0.0	-2.65e-04
1699	114	-2.10	1.35	-0.08	-4.99e-04	0.0	2.14e-04
1699	130	0.50	3.40	-6.07e-03	-1.25e-03	0.0	-1.09e-05
1699	140	2.37	0.68	0.05	-2.32e-04	0.0	-2.99e-04
1699	146	-2.36	1.52	-0.09	-5.62e-04	0.0	2.40e-04
1699	162	0.56	3.82	-4.33e-03	-1.40e-03	0.0	-1.25e-05
1699	172	2.28	0.66	0.05	-2.28e-04	0.0	-2.97e-04
1699	178	-2.27	1.50	-0.09	-5.55e-04	0.0	2.38e-04
1699	194	0.56	3.77	-4.39e-03	-1.39e-03	0.0	-9.75e-06
1699	204	2.62	0.77	0.06	-2.64e-04	0.0	-3.49e-04
1699	210	-2.61	1.74	-0.10	-6.47e-04	0.0	2.78e-04
1699	226	0.65	4.40	-2.02e-03	-1.62e-03	0.0	-1.00e-05
1700	18	0.01	1.32	-0.03	3.71e-04	0.0	-4.04e-04
1700	28	8.89e-03	-0.52	-0.03	-2.97e-05	0.0	1.31e-04
1700	75	7.16e-03	0.88	-0.02	2.48e-04	0.0	-2.69e-04
1700	80	6.32e-03	-0.35	-0.02	-1.95e-05	0.0	8.75e-05
1700	98	5.11e-03	0.01	-0.02	4.23e-06	0.0	4.30e-06
1700	103	5.27e-03	0.19	-0.02	5.28e-05	0.0	-5.05e-05
1700	107	4.92e-03	0.01	-0.02	4.09e-06	0.0	4.17e-06
1700	108	1.91	0.51	0.04	-2.06e-04	0.0	-2.28e-04
1700	114	-1.90	1.14	-0.08	-5.00e-04	0.0	1.78e-04
1700	130	0.45	2.86	-6.20e-03	-1.25e-03	0.0	-1.78e-05
1700	140	2.15	0.57	0.05	-2.32e-04	0.0	-2.57e-04
1700	146	-2.13	1.28	-0.09	-5.63e-04	0.0	2.00e-04
1700	162	0.51	3.21	-4.49e-03	-1.41e-03	0.0	-2.02e-05
1700	172	2.06	0.56	0.04	-2.28e-04	0.0	-2.54e-04
1700	178	-2.05	1.26	-0.08	-5.55e-04	0.0	1.98e-04
1700	194	0.51	3.17	-4.54e-03	-1.39e-03	0.0	-1.59e-05
1700	204	2.37	0.65	0.05	-2.64e-04	0.0	-2.99e-04
1700	210	-2.36	1.46	-0.09	-6.47e-04	0.0	2.31e-04
1700	226	0.59	3.69	-2.22e-03	-1.62e-03	0.0	-1.69e-05
1701	4	0.01	0.61	-0.03	2.36e-04	0.0	-6.99e-05
1701	18	0.01	1.00	-0.03	3.88e-04	0.0	-1.18e-04
1701	28	0.01	-0.49	-0.03	-3.44e-05	0.0	3.95e-05
1701	68	9.50e-03	0.41	-0.02	1.58e-04	0.0	-4.65e-05
1701	75	9.27e-03	0.67	-0.02	2.59e-04	0.0	-7.87e-05
1701	80	8.90e-03	-0.33	-0.02	-2.26e-05	0.0	2.65e-05
1701	98	6.95e-03	9.52e-03	-0.02	4.38e-06	0.0	1.59e-06

1701	103	7.00e-03	0.14	-0.02	5.51e-05	0.0	-1.45e-05
1701	107	6.63e-03	9.19e-03	-0.02	4.24e-06	0.0	1.56e-06
1701	108	2.35	0.69	0.04	-2.06e-04	0.0	-2.51e-04
1701	114	-2.33	1.57	-0.08	-4.98e-04	0.0	2.51e-04
1701	130	0.55	3.94	-6.00e-03	-1.25e-03	0.0	1.91e-04
1701	140	2.64	0.78	0.05	-2.32e-04	0.0	-2.83e-04
1701	146	-2.62	1.76	-0.09	-5.61e-04	0.0	2.83e-04
1701	162	0.62	4.43	-4.25e-03	-1.40e-03	0.0	2.15e-04
1701	172	2.53	0.76	0.05	-2.27e-04	0.0	-2.80e-04
1701	178	-2.52	1.74	-0.09	-5.53e-04	0.0	2.80e-04
1701	194	0.62	4.38	-4.30e-03	-1.39e-03	0.0	2.18e-04
1701	204	2.91	0.88	0.06	-2.64e-04	0.0	-3.29e-04
1701	210	-2.90	2.02	-0.10	-6.45e-04	0.0	3.28e-04
1701	226	0.72	5.10	-1.92e-03	-1.61e-03	0.0	2.60e-04
1702	4	0.02	0.50	-0.03	2.43e-04	0.0	-1.41e-05
1702	18	0.02	0.82	-0.03	4.00e-04	0.0	-2.34e-05
1702	28	0.02	-0.48	-0.03	-3.79e-05	0.0	8.01e-06
1702	68	0.01	0.33	-0.02	1.63e-04	0.0	-9.39e-06
1702	75	0.01	0.55	-0.02	2.67e-04	0.0	-1.56e-05
1702	80	0.01	-0.32	-0.02	-2.49e-05	0.0	5.38e-06
1702	98	8.99e-03	7.54e-03	-0.02	4.49e-06	0.0	0.0
1702	103	8.94e-03	0.12	-0.02	5.69e-05	0.0	-3.01e-06
1702	107	8.57e-03	7.26e-03	-0.02	4.34e-06	0.0	0.0
1702	108	2.58	0.78	0.04	-2.06e-04	0.0	-2.84e-04
1702	114	-2.56	1.78	-0.08	-4.97e-04	0.0	2.83e-04
1702	130	0.61	4.47	-5.99e-03	-1.24e-03	0.0	2.16e-04
1702	140	2.90	0.88	0.05	-2.32e-04	0.0	-3.19e-04
1702	146	-2.88	2.01	-0.09	-5.60e-04	0.0	3.19e-04
1702	162	0.68	5.03	-4.24e-03	-1.40e-03	0.0	2.44e-04
1702	172	2.78	0.86	0.05	-2.27e-04	0.0	-3.17e-04
1702	178	-2.76	1.98	-0.09	-5.52e-04	0.0	3.16e-04
1702	194	0.68	4.97	-4.30e-03	-1.38e-03	0.0	2.48e-04
1702	204	3.20	1.00	0.06	-2.64e-04	0.0	-3.71e-04
1702	210	-3.19	2.30	-0.10	-6.44e-04	0.0	3.70e-04
1702	226	0.79	5.79	-1.92e-03	-1.61e-03	0.0	2.96e-04
1703	4	0.01	0.77	-0.03	3.06e-04	0.0	-1.30e-04
1703	18	0.01	1.27	-0.03	5.07e-04	0.0	-2.20e-04
1703	52	9.81e-03	0.02	-0.03	3.90e-06	0.0	4.81e-06
1703	68	7.99e-03	0.51	-0.02	2.04e-04	0.0	-8.62e-05
1703	75	7.94e-03	0.85	-0.02	3.38e-04	0.0	-1.46e-04
1703	92	6.90e-03	0.01	-0.02	2.81e-06	0.0	3.48e-06
1703	98	5.70e-03	9.96e-03	-0.02	2.57e-06	0.0	3.15e-06
1703	103	5.80e-03	0.18	-0.02	6.97e-05	0.0	-2.68e-05
1703	107	5.44e-03	9.60e-03	-0.02	2.50e-06	0.0	3.06e-06
1703	108	2.11	0.71	-2.28e-03	-2.43e-04	0.0	-2.66e-04
1703	114	-2.10	1.25	-0.04	-4.55e-04	0.0	2.15e-04
1703	130	0.50	3.36	-0.02	-1.21e-03	0.0	-1.03e-05
1703	140	2.37	0.80	2.75e-04	-2.73e-04	0.0	-3.00e-04
1703	146	-2.36	1.40	-0.05	-5.12e-04	0.0	2.41e-04
1703	162	0.56	3.78	-0.02	-1.37e-03	0.0	-1.18e-05
1703	172	2.28	0.78	-6.56e-04	-2.69e-04	0.0	-2.98e-04
1703	178	-2.26	1.38	-0.05	-5.05e-04	0.0	2.39e-04
1703	194	0.56	3.73	-0.02	-1.35e-03	0.0	-9.38e-06
1703	204	2.62	0.91	2.71e-03	-3.12e-04	0.0	-3.50e-04
1703	210	-2.61	1.61	-0.05	-5.88e-04	0.0	2.79e-04
1703	226	0.65	4.35	-0.02	-1.57e-03	0.0	-9.73e-06
1704	18	0.01	1.49	-0.03	5.10e-04	0.0	-2.99e-04
1704	52	8.49e-03	0.02	-0.03	3.89e-06	0.0	7.05e-06
1704	75	7.09e-03	0.99	-0.02	3.40e-04	0.0	-1.99e-04
1704	92	5.99e-03	0.01	-0.02	2.81e-06	0.0	5.07e-06
1704	98	4.97e-03	0.01	-0.02	2.57e-06	0.0	4.53e-06
1704	103	5.11e-03	0.21	-0.02	7.00e-05	0.0	-3.64e-05
1704	107	4.75e-03	0.01	-0.02	2.49e-06	0.0	4.40e-06
1704	108	1.93	0.61	-2.61e-03	-2.43e-04	0.0	-2.27e-04
1704	114	-1.92	1.05	-0.04	-4.55e-04	0.0	1.82e-04
1704	130	0.46	2.84	-0.02	-1.21e-03	0.0	-1.05e-05
1704	140	2.17	0.68	-1.05e-04	-2.73e-04	0.0	-2.56e-04
1704	146	-2.16	1.18	-0.05	-5.12e-04	0.0	2.05e-04
1704	162	0.52	3.19	-0.02	-1.37e-03	0.0	-1.22e-05
1704	172	2.09	0.67	-1.02e-03	-2.69e-04	0.0	-2.54e-04
1704	178	-2.07	1.17	-0.04	-5.05e-04	0.0	2.03e-04
1704	194	0.51	3.15	-0.02	-1.35e-03	0.0	-9.08e-06
1704	204	2.40	0.77	2.29e-03	-3.12e-04	0.0	-2.98e-04
1704	210	-2.39	1.35	-0.05	-5.88e-04	0.0	2.37e-04
1704	226	0.59	3.67	-0.02	-1.57e-03	0.0	-9.41e-06

1705	4	0.01	0.64	-0.03	3.10e-04	0.0	-6.99e-05
1705	18	0.01	1.05	-0.03	5.13e-04	0.0	-1.18e-04
1705	52	0.01	0.01	-0.03	3.93e-06	0.0	2.05e-06
1705	68	9.63e-03	0.43	-0.02	2.07e-04	0.0	-4.65e-05
1705	75	9.41e-03	0.70	-0.02	3.42e-04	0.0	-7.86e-05
1705	92	8.49e-03	0.01	-0.02	2.83e-06	0.0	1.51e-06
1705	98	7.02e-03	8.84e-03	-0.02	2.59e-06	0.0	1.43e-06
1705	103	7.08e-03	0.15	-0.02	7.05e-05	0.0	-1.46e-05
1705	107	6.70e-03	8.52e-03	-0.02	2.51e-06	0.0	1.40e-06
1705	108	2.35	0.82	-2.24e-03	-2.43e-04	0.0	-2.51e-04
1705	114	-2.33	1.45	-0.04	-4.54e-04	0.0	2.51e-04
1705	130	0.55	3.89	-0.02	-1.21e-03	0.0	1.91e-04
1705	140	2.64	0.92	3.18e-04	-2.73e-04	0.0	-2.83e-04
1705	146	-2.62	1.63	-0.05	-5.12e-04	0.0	2.83e-04
1705	162	0.62	4.38	-0.02	-1.37e-03	0.0	2.15e-04
1705	172	2.53	0.90	-6.14e-04	-2.68e-04	0.0	-2.81e-04
1705	178	-2.52	1.60	-0.05	-5.04e-04	0.0	2.80e-04
1705	194	0.62	4.32	-0.02	-1.35e-03	0.0	2.18e-04
1705	204	2.92	1.04	2.76e-03	-3.11e-04	0.0	-3.29e-04
1705	210	-2.90	1.86	-0.05	-5.88e-04	0.0	3.28e-04
1705	226	0.72	5.03	-0.02	-1.57e-03	0.0	2.60e-04
1706	4	0.02	0.50	-0.03	3.15e-04	0.0	-1.39e-05
1706	18	0.02	0.82	-0.03	5.21e-04	0.0	-2.28e-05
1706	52	0.02	0.01	-0.03	3.95e-06	0.0	0.0
1706	68	0.01	0.33	-0.02	2.10e-04	0.0	-9.26e-06
1706	75	0.01	0.55	-0.02	3.48e-04	0.0	-1.52e-05
1706	92	0.01	9.15e-03	-0.02	2.85e-06	0.0	0.0
1706	98	8.79e-03	7.71e-03	-0.02	2.60e-06	0.0	0.0
1706	103	8.77e-03	0.12	-0.02	7.16e-05	0.0	-3.09e-06
1706	107	8.38e-03	7.42e-03	-0.02	2.52e-06	0.0	0.0
1706	108	2.58	0.92	-2.31e-03	-2.42e-04	0.0	-2.83e-04
1706	114	-2.56	1.64	-0.04	-4.54e-04	0.0	2.82e-04
1706	130	0.61	4.41	-0.02	-1.21e-03	0.0	2.15e-04
1706	140	2.90	1.03	2.35e-04	-2.73e-04	0.0	-3.19e-04
1706	146	-2.88	1.85	-0.05	-5.11e-04	0.0	3.18e-04
1706	162	0.68	4.97	-0.02	-1.36e-03	0.0	2.43e-04
1706	172	2.78	1.02	-6.93e-04	-2.68e-04	0.0	-3.16e-04
1706	178	-2.76	1.82	-0.05	-5.04e-04	0.0	3.15e-04
1706	194	0.68	4.90	-0.02	-1.35e-03	0.0	2.47e-04
1706	204	3.20	1.18	2.66e-03	-3.11e-04	0.0	-3.70e-04
1706	210	-3.18	2.12	-0.05	-5.87e-04	0.0	3.69e-04
1706	226	0.79	5.71	-0.02	-1.57e-03	0.0	2.95e-04
1707	4	0.01	0.82	-0.03	3.50e-04	0.0	-1.14e-04
1707	15	8.16e-03	1.35	-0.03	5.83e-04	0.0	-1.95e-04
1707	18	0.01	1.36	-0.03	5.83e-04	0.0	-1.94e-04
1707	68	8.24e-03	0.55	-0.02	2.34e-04	0.0	-7.58e-05
1707	72	5.80e-03	0.90	-0.02	3.89e-04	0.0	-1.30e-04
1707	75	8.16e-03	0.91	-0.02	3.89e-04	0.0	-1.29e-04
1707	102	4.32e-03	0.19	-0.02	7.83e-05	0.0	-2.39e-05
1707	103	5.97e-03	0.19	-0.02	7.84e-05	0.0	-2.34e-05
1707	106	3.95e-03	6.33e-03	-0.02	0.0	0.0	2.51e-06
1707	107	5.60e-03	8.24e-03	-0.02	0.0	0.0	3.01e-06
1707	108	2.11	0.82	-0.05	-2.82e-04	0.0	-2.66e-04
1707	130	0.50	3.33	-0.03	-1.19e-03	0.0	-9.98e-06
1707	140	2.37	0.92	-0.05	-3.17e-04	0.0	-3.00e-04
1707	162	0.56	3.74	-0.03	-1.34e-03	0.0	-1.15e-05
1707	172	2.28	0.90	-0.05	-3.12e-04	0.0	-2.98e-04
1707	194	0.56	3.69	-0.03	-1.32e-03	0.0	-9.29e-06
1707	204	2.62	1.05	-0.05	-3.62e-04	0.0	-3.50e-04
1707	226	0.65	4.29	-0.03	-1.54e-03	0.0	-9.73e-06
1708	4	9.97e-03	0.97	-0.03	3.48e-04	0.0	-1.09e-04
1708	15	6.83e-03	1.60	-0.03	5.79e-04	0.0	-1.89e-04
1708	18	9.95e-03	1.60	-0.03	5.79e-04	0.0	-1.87e-04
1708	68	6.91e-03	0.65	-0.02	2.32e-04	0.0	-7.22e-05
1708	72	4.81e-03	1.07	-0.02	3.86e-04	0.0	-1.25e-04
1708	75	6.89e-03	1.07	-0.02	3.86e-04	0.0	-1.24e-04
1708	102	3.39e-03	0.22	-0.02	7.77e-05	0.0	-2.21e-05
1708	103	4.84e-03	0.22	-0.02	7.78e-05	0.0	-2.13e-05
1708	106	3.04e-03	6.59e-03	-0.02	0.0	0.0	3.71e-06
1708	107	4.49e-03	8.52e-03	-0.02	0.0	0.0	4.55e-06
1708	108	1.94	0.70	-0.04	-2.82e-04	0.0	-2.26e-04
1708	130	0.46	2.81	-0.03	-1.19e-03	0.0	-6.62e-06
1708	140	2.18	0.78	-0.04	-3.18e-04	0.0	-2.55e-04
1708	162	0.52	3.16	-0.03	-1.34e-03	0.0	-7.93e-06
1708	172	2.09	0.77	-0.04	-3.12e-04	0.0	-2.53e-04

1708	194	0.52	3.12	-0.03	-1.32e-03	0.0	-5.96e-06
1708	204	2.41	0.89	-0.05	-3.63e-04	0.0	-2.98e-04
1708	226	0.59	3.63	-0.03	-1.54e-03	0.0	-6.32e-06
1709	4	0.01	0.67	-0.03	3.64e-04	0.0	-7.23e-05
1709	15	9.42e-03	1.10	-0.03	6.07e-04	0.0	-1.22e-04
1709	18	0.01	1.10	-0.03	6.07e-04	0.0	-1.22e-04
1709	68	9.72e-03	0.45	-0.02	2.43e-04	0.0	-4.81e-05
1709	72	6.71e-03	0.73	-0.02	4.05e-04	0.0	-8.12e-05
1709	75	9.52e-03	0.74	-0.02	4.05e-04	0.0	-8.11e-05
1709	102	5.14e-03	0.15	-0.02	8.15e-05	0.0	-1.53e-05
1709	103	7.11e-03	0.15	-0.02	8.15e-05	0.0	-1.52e-05
1709	106	4.74e-03	6.07e-03	-0.02	0.0	0.0	1.14e-06
1709	107	6.72e-03	7.95e-03	-0.02	0.0	0.0	1.27e-06
1709	108	2.34	0.94	-0.05	-2.81e-04	0.0	-2.52e-04
1709	130	0.55	3.84	-0.03	-1.19e-03	0.0	1.91e-04
1709	140	2.64	1.06	-0.05	-3.16e-04	0.0	-2.83e-04
1709	162	0.62	4.32	-0.03	-1.34e-03	0.0	2.15e-04
1709	172	2.53	1.04	-0.05	-3.11e-04	0.0	-2.81e-04
1709	194	0.62	4.26	-0.03	-1.32e-03	0.0	2.18e-04
1709	204	2.91	1.21	-0.05	-3.61e-04	0.0	-3.29e-04
1709	226	0.72	4.96	-0.03	-1.53e-03	0.0	2.60e-04
1710	4	0.02	0.50	-0.03	3.77e-04	0.0	-1.32e-05
1710	15	0.01	0.82	-0.03	6.27e-04	0.0	-2.09e-05
1710	18	0.02	0.82	-0.03	6.27e-04	0.0	-2.13e-05
1710	68	0.01	0.33	-0.02	2.51e-04	0.0	-8.82e-06
1710	72	7.76e-03	0.55	-0.02	4.18e-04	0.0	-1.39e-05
1710	75	0.01	0.55	-0.02	4.18e-04	0.0	-1.42e-05
1710	102	6.09e-03	0.11	-0.02	8.42e-05	0.0	-2.88e-06
1710	103	8.46e-03	0.12	-0.02	8.43e-05	0.0	-3.10e-06
1710	106	5.67e-03	5.75e-03	-0.02	0.0	0.0	0.0
1710	107	8.05e-03	7.59e-03	-0.02	0.0	0.0	0.0
1710	108	2.58	1.06	-0.05	-2.80e-04	0.0	-2.84e-04
1710	130	0.61	4.36	-0.03	-1.19e-03	0.0	2.15e-04
1710	140	2.90	1.19	-0.05	-3.15e-04	0.0	-3.20e-04
1710	162	0.69	4.90	-0.03	-1.33e-03	0.0	2.43e-04
1710	172	2.78	1.17	-0.05	-3.10e-04	0.0	-3.17e-04
1710	194	0.68	4.83	-0.03	-1.32e-03	0.0	2.47e-04
1710	204	3.20	1.36	-0.05	-3.59e-04	0.0	-3.71e-04
1710	226	0.79	5.62	-0.03	-1.53e-03	0.0	2.96e-04
1711	18	8.85e-04	0.16	-0.02	-3.70e-04	0.0	8.18e-05
1711	28	5.98e-04	-0.06	-0.02	1.53e-04	0.0	-2.90e-05
1711	75	6.09e-04	0.11	-0.01	-2.48e-04	0.0	5.44e-05
1711	80	4.17e-04	-0.04	-0.02	1.01e-04	0.0	-1.95e-05
1711	98	3.27e-04	6.25e-03	-0.01	-1.38e-05	0.0	-2.11e-06
1711	103	3.61e-04	0.03	-0.01	-6.00e-05	0.0	9.28e-06
1711	107	3.11e-04	6.06e-03	-0.01	-1.33e-05	0.0	-2.03e-06
1711	108	0.22	-0.01	-0.01	2.73e-05	0.0	-3.89e-05
1711	129	-0.05	-0.56	-0.02	1.40e-03	0.0	-4.01e-05
1711	130	0.05	0.57	-7.07e-03	-1.42e-03	0.0	3.60e-05
1711	140	0.24	-0.01	-0.01	3.29e-05	0.0	-4.35e-05
1711	161	-0.06	-0.63	-0.02	1.57e-03	0.0	-4.50e-05
1711	162	0.06	0.64	-6.48e-03	-1.60e-03	0.0	4.09e-05
1711	172	0.23	-0.01	-0.01	3.42e-05	0.0	-4.31e-05
1711	193	-0.06	-0.62	-0.02	1.56e-03	0.0	-4.53e-05
1711	194	0.06	0.63	-6.55e-03	-1.59e-03	0.0	4.13e-05
1711	204	0.27	-0.02	-0.01	4.51e-05	0.0	-5.00e-05
1711	225	-0.07	-0.73	-0.02	1.83e-03	0.0	-5.35e-05
1711	226	0.07	0.74	-5.68e-03	-1.85e-03	0.0	4.95e-05
1712	1	0.0	0.0	0.0	-2.32e-04	0.0	8.48e-06
1712	65	0.0	0.0	0.0	-1.56e-04	0.0	5.63e-06
1712	97	0.0	0.0	0.0	-1.15e-05	0.0	0.0
1712	106	0.0	0.0	0.0	-1.15e-05	0.0	0.0
1712	108	0.0	0.0	0.0	2.70e-05	0.0	-4.18e-06
1712	140	0.0	0.0	0.0	3.27e-05	0.0	-4.66e-06
1712	172	0.0	0.0	0.0	3.40e-05	0.0	-4.61e-06
1712	204	0.0	0.0	0.0	4.50e-05	0.0	-5.33e-06
1713	18	1.67e-03	0.31	-0.03	-3.40e-04	0.0	1.47e-04
1713	28	1.06e-03	-0.12	-0.04	1.49e-04	0.0	-5.15e-05
1713	75	1.14e-03	0.20	-0.02	-2.28e-04	0.0	9.79e-05
1713	80	7.40e-04	-0.08	-0.03	9.81e-05	0.0	-3.46e-05
1713	98	5.60e-04	0.01	-0.02	-1.16e-05	0.0	-3.50e-06
1713	103	6.37e-04	0.05	-0.02	-5.44e-05	0.0	1.69e-05
1713	107	5.33e-04	0.01	-0.02	-1.12e-05	0.0	-3.38e-06
1713	108	0.48	-0.02	-0.02	2.79e-05	0.0	-7.83e-05
1713	129	-0.12	-1.11	-0.03	1.40e-03	0.0	-7.59e-05

1713	130	0.12	1.14	-0.01	-1.43e-03	0.0	6.92e-05
1713	140	0.54	-0.03	-0.02	3.33e-05	0.0	-8.77e-05
1713	161	-0.13	-1.26	-0.03	1.58e-03	0.0	-8.53e-05
1713	162	0.13	1.28	-9.64e-03	-1.60e-03	0.0	7.85e-05
1713	172	0.52	-0.03	-0.02	3.47e-05	0.0	-8.69e-05
1713	193	-0.13	-1.25	-0.03	1.57e-03	0.0	-8.61e-05
1713	194	0.13	1.27	-9.79e-03	-1.59e-03	0.0	7.93e-05
1713	204	0.60	-0.04	-0.02	4.53e-05	0.0	-1.01e-04
1713	225	-0.15	-1.46	-0.04	1.84e-03	0.0	-1.02e-04
1713	226	0.15	1.48	-7.83e-03	-1.86e-03	0.0	9.51e-05
1714	18	3.56e-03	0.44	-0.04	-3.00e-04	0.0	1.90e-04
1714	28	2.90e-03	-0.18	-0.06	1.43e-04	0.0	-6.64e-05
1714	75	2.47e-03	0.29	-0.03	-2.01e-04	0.0	1.26e-04
1714	80	2.03e-03	-0.12	-0.04	9.47e-05	0.0	-4.46e-05
1714	98	1.54e-03	0.02	-0.03	-8.57e-06	0.0	-4.68e-06
1714	103	1.63e-03	0.07	-0.03	-4.66e-05	0.0	2.17e-05
1714	107	1.47e-03	0.02	-0.03	-8.31e-06	0.0	-4.52e-06
1714	108	0.88	-0.03	-0.03	2.88e-05	0.0	-1.15e-04
1714	129	-0.21	-1.68	-0.05	1.41e-03	0.0	-1.06e-04
1714	130	0.21	1.71	-0.01	-1.43e-03	0.0	9.69e-05
1714	140	0.99	-0.04	-0.03	3.40e-05	0.0	-1.29e-04
1714	161	-0.23	-1.89	-0.05	1.59e-03	0.0	-1.19e-04
1714	162	0.24	1.92	-0.01	-1.61e-03	0.0	1.10e-04
1714	172	0.95	-0.04	-0.03	3.54e-05	0.0	-1.28e-04
1714	193	-0.23	-1.88	-0.05	1.58e-03	0.0	-1.20e-04
1714	194	0.24	1.91	-0.01	-1.60e-03	0.0	1.11e-04
1714	204	1.10	-0.05	-0.03	4.58e-05	0.0	-1.49e-04
1714	225	-0.27	-2.20	-0.05	1.85e-03	0.0	-1.43e-04
1714	226	0.27	2.23	-8.84e-03	-1.87e-03	0.0	1.34e-04
1715	18	6.29e-04	0.23	-4.07e-03	-5.10e-04	0.0	1.23e-04
1715	28	2.15e-04	-0.09	-4.91e-03	2.01e-04	0.0	-4.19e-05
1715	75	4.24e-04	0.15	-3.00e-03	-3.41e-04	0.0	8.16e-05
1715	80	1.48e-04	-0.06	-3.56e-03	1.33e-04	0.0	-2.81e-05
1715	98	1.18e-04	4.76e-03	-3.10e-03	-1.06e-05	0.0	-2.43e-06
1715	103	1.69e-04	0.03	-2.98e-03	-7.63e-05	0.0	1.45e-05
1715	107	1.12e-04	4.62e-03	-3.02e-03	-1.03e-05	0.0	-2.35e-06
1715	108	0.21	-0.04	-4.45e-03	8.96e-05	0.0	-3.98e-05
1715	113	0.21	-0.34	-4.95e-03	8.46e-04	0.0	-5.43e-05
1715	130	0.05	0.59	-2.18e-03	-1.47e-03	0.0	3.96e-05
1715	140	0.24	-0.04	-4.64e-03	1.03e-04	0.0	-4.45e-05
1715	145	0.24	-0.38	-5.20e-03	9.53e-04	0.0	-6.09e-05
1715	162	0.06	0.66	-2.08e-03	-1.65e-03	0.0	4.50e-05
1715	172	0.23	-0.04	-4.58e-03	1.03e-04	0.0	-4.40e-05
1715	177	0.23	-0.38	-5.13e-03	9.41e-04	0.0	-6.02e-05
1715	194	0.06	0.66	-2.14e-03	-1.64e-03	0.0	4.52e-05
1715	204	0.26	-0.05	-4.83e-03	1.25e-04	0.0	-5.11e-05
1715	209	0.26	-0.44	-5.46e-03	1.10e-03	0.0	-7.01e-05
1715	226	0.07	0.77	-2.00e-03	-1.92e-03	0.0	5.41e-05
1716	1	0.0	0.0	0.0	-3.23e-04	0.0	1.27e-05
1716	65	0.0	0.0	0.0	-2.16e-04	0.0	8.45e-06
1716	97	0.0	0.0	0.0	-8.89e-06	0.0	0.0
1716	106	0.0	0.0	0.0	-8.89e-06	0.0	0.0
1716	108	0.0	0.0	0.0	9.00e-05	0.0	-4.25e-06
1716	140	0.0	0.0	0.0	1.03e-04	0.0	-4.73e-06
1716	172	0.0	0.0	0.0	1.04e-04	0.0	-4.69e-06
1716	204	0.0	0.0	0.0	1.26e-04	0.0	-5.41e-06
1717	18	1.31e-03	0.43	-7.32e-03	-4.48e-04	0.0	2.21e-04
1717	28	5.96e-04	-0.17	-8.82e-03	1.87e-04	0.0	-7.56e-05
1717	75	8.85e-04	0.29	-5.38e-03	-2.99e-04	0.0	1.47e-04
1717	80	4.09e-04	-0.11	-6.38e-03	1.24e-04	0.0	-5.07e-05
1717	98	2.93e-04	8.99e-03	-5.55e-03	-8.71e-06	0.0	-4.42e-06
1717	103	3.84e-04	0.06	-5.33e-03	-6.65e-05	0.0	2.61e-05
1717	107	2.75e-04	8.73e-03	-5.40e-03	-8.47e-06	0.0	-4.27e-06
1717	108	0.47	-0.07	-7.69e-03	8.91e-05	0.0	-8.07e-05
1717	113	0.47	-0.68	-8.47e-03	8.45e-04	0.0	-1.09e-04
1717	130	0.11	1.18	-4.04e-03	-1.47e-03	0.0	7.85e-05
1717	140	0.53	-0.08	-7.98e-03	1.02e-04	0.0	-9.04e-05
1717	145	0.52	-0.76	-8.85e-03	9.52e-04	0.0	-1.22e-04
1717	162	0.13	1.32	-3.87e-03	-1.65e-03	0.0	8.91e-05
1717	172	0.51	-0.08	-7.90e-03	1.02e-04	0.0	-8.95e-05
1717	177	0.50	-0.75	-8.74e-03	9.40e-04	0.0	-1.21e-04
1717	194	0.13	1.31	-3.97e-03	-1.64e-03	0.0	8.95e-05
1717	204	0.58	-0.10	-8.28e-03	1.24e-04	0.0	-1.04e-04
1717	209	0.58	-0.88	-9.26e-03	1.10e-03	0.0	-1.41e-04
1717	226	0.15	1.54	-3.75e-03	-1.92e-03	0.0	1.07e-04

1718	18	3.63e-03	0.60	-0.01	-3.62e-04	0.0	2.75e-04
1718	28	3.02e-03	-0.24	-0.01	1.67e-04	0.0	-9.54e-05
1718	75	2.52e-03	0.40	-7.55e-03	-2.42e-04	0.0	1.83e-04
1718	80	2.11e-03	-0.16	-8.96e-03	1.11e-04	0.0	-6.41e-05
1718	98	1.60e-03	0.01	-7.78e-03	-5.80e-06	0.0	-6.24e-06
1718	103	1.68e-03	0.09	-7.47e-03	-5.29e-05	0.0	3.19e-05
1718	107	1.52e-03	0.01	-7.56e-03	-5.64e-06	0.0	-6.03e-06
1718	108	0.89	-0.11	-7.02e-03	8.89e-05	0.0	-1.18e-04
1718	127	-0.61	-1.38	-8.48e-03	1.15e-03	0.0	-3.91e-05
1718	130	0.21	1.76	-6.80e-03	-1.46e-03	0.0	1.08e-04
1718	140	1.00	-0.12	-6.96e-03	1.01e-04	0.0	-1.32e-04
1718	159	-0.68	-1.56	-8.59e-03	1.30e-03	0.0	-4.33e-05
1718	162	0.24	1.98	-6.70e-03	-1.64e-03	0.0	1.22e-04
1718	172	0.96	-0.12	-7.00e-03	1.02e-04	0.0	-1.31e-04
1718	191	-0.66	-1.54	-8.57e-03	1.29e-03	0.0	-4.37e-05
1718	194	0.24	1.97	-6.71e-03	-1.63e-03	0.0	1.23e-04
1718	204	1.10	-0.15	-6.91e-03	1.23e-04	0.0	-1.52e-04
1718	223	-0.76	-1.80	-8.73e-03	1.50e-03	0.0	-5.11e-05
1718	226	0.27	2.30	-6.57e-03	-1.91e-03	0.0	1.48e-04
1719	18	-3.16e-04	0.31	-2.52e-03	-6.68e-04	0.0	1.43e-04
1719	28	-1.15e-03	-0.12	-2.65e-03	2.55e-04	0.0	-4.84e-05
1719	75	-2.51e-04	0.21	-1.91e-03	-4.46e-04	0.0	9.53e-05
1719	80	-8.09e-04	-0.08	-2.00e-03	1.70e-04	0.0	-3.24e-05
1719	98	-6.24e-04	3.22e-03	-1.90e-03	-7.40e-06	0.0	-2.57e-06
1719	103	-5.18e-04	0.04	-1.88e-03	-9.48e-05	0.0	1.71e-05
1719	105	-6.24e-04	-0.02	-1.89e-03	5.21e-05	0.0	-1.23e-05
1719	107	-5.96e-04	3.13e-03	-1.88e-03	-7.20e-06	0.0	-2.48e-06
1719	108	0.21	-0.06	-0.02	1.49e-04	0.0	-4.02e-05
1719	111	-0.21	0.07	0.02	-1.63e-04	0.0	3.52e-05
1719	130	0.05	0.61	-6.95e-03	-1.52e-03	0.0	4.04e-05
1719	140	0.24	-0.07	-0.03	1.69e-04	0.0	-4.49e-05
1719	143	-0.24	0.08	0.02	-1.83e-04	0.0	4.00e-05
1719	162	0.06	0.69	-7.59e-03	-1.71e-03	0.0	4.58e-05
1719	172	0.23	-0.07	-0.03	1.69e-04	0.0	-4.45e-05
1719	175	-0.23	0.08	0.02	-1.83e-04	0.0	3.95e-05
1719	194	0.06	0.68	-7.58e-03	-1.70e-03	0.0	4.60e-05
1719	204	0.26	-0.08	-0.03	2.01e-04	0.0	-5.16e-05
1719	207	-0.26	0.09	0.02	-2.16e-04	0.0	4.66e-05
1719	226	0.07	0.80	-8.46e-03	-1.99e-03	0.0	5.50e-05
1720	1	0.0	0.0	0.0	-4.26e-04	0.0	1.32e-05
1720	65	0.0	0.0	0.0	-2.85e-04	0.0	8.74e-06
1720	97	0.0	0.0	0.0	-6.35e-06	0.0	0.0
1720	106	0.0	0.0	0.0	-6.35e-06	0.0	0.0
1720	108	0.0	0.0	0.0	1.50e-04	0.0	-4.20e-06
1720	140	0.0	0.0	0.0	1.70e-04	0.0	-4.68e-06
1720	172	0.0	0.0	0.0	1.70e-04	0.0	-4.64e-06
1720	204	0.0	0.0	0.0	2.02e-04	0.0	-5.35e-06
1721	18	1.32e-04	0.59	-4.34e-03	-5.58e-04	0.0	2.65e-04
1721	27	-9.86e-04	-0.22	-4.47e-03	2.26e-04	0.0	-8.88e-05
1721	28	-9.75e-04	-0.22	-4.52e-03	2.26e-04	0.0	-8.91e-05
1721	75	3.88e-05	0.39	-3.28e-03	-3.72e-04	0.0	1.76e-04
1721	79	-7.06e-04	-0.15	-3.37e-03	1.50e-04	0.0	-5.96e-05
1721	80	-6.99e-04	-0.15	-3.41e-03	1.50e-04	0.0	-5.98e-05
1721	98	-5.85e-04	6.17e-03	-3.25e-03	-5.80e-06	0.0	-4.60e-06
1721	103	-4.43e-04	0.08	-3.22e-03	-7.89e-05	0.0	3.18e-05
1721	105	-5.87e-04	-0.05	-3.23e-03	4.65e-05	0.0	-2.26e-05
1721	107	-5.66e-04	6.00e-03	-3.22e-03	-5.65e-06	0.0	-4.45e-06
1721	108	0.44	-0.12	-0.05	1.46e-04	0.0	-8.19e-05
1721	111	-0.44	0.13	0.04	-1.57e-04	0.0	7.30e-05
1721	130	0.11	1.22	-0.01	-1.51e-03	0.0	8.14e-05
1721	140	0.49	-0.14	-0.05	1.66e-04	0.0	-9.17e-05
1721	143	-0.50	0.15	0.05	-1.77e-04	0.0	8.28e-05
1721	162	0.12	1.37	-0.01	-1.70e-03	0.0	9.24e-05
1721	172	0.47	-0.14	-0.05	1.66e-04	0.0	-9.08e-05
1721	175	-0.48	0.15	0.04	-1.77e-04	0.0	8.19e-05
1721	194	0.12	1.36	-0.01	-1.69e-03	0.0	9.27e-05
1721	204	0.55	-0.17	-0.06	1.97e-04	0.0	-1.05e-04
1721	207	-0.55	0.18	0.05	-2.09e-04	0.0	9.65e-05
1721	226	0.14	1.60	-0.02	-1.97e-03	0.0	1.11e-04
1722	18	3.46e-03	0.78	-7.37e-03	-4.22e-04	0.0	2.99e-04
1722	28	2.80e-03	-0.30	-7.69e-03	1.91e-04	0.0	-1.03e-04
1722	75	2.39e-03	0.52	-5.57e-03	-2.81e-04	0.0	1.99e-04
1722	80	1.95e-03	-0.20	-5.78e-03	1.27e-04	0.0	-6.92e-05
1722	98	1.47e-03	8.20e-03	-5.50e-03	-3.00e-06	0.0	-6.51e-06
1722	103	1.56e-03	0.11	-5.46e-03	-5.86e-05	0.0	3.48e-05

1722	107	1.40e-03	7.98e-03	-5.45e-03	-2.95e-06	0.0	-6.29e-06
1722	108	0.89	-0.18	-0.08	1.44e-04	0.0	-1.19e-04
1722	130	0.21	1.82	-0.02	-1.49e-03	0.0	1.10e-04
1722	140	1.00	-0.20	-0.09	1.63e-04	0.0	-1.33e-04
1722	162	0.24	2.05	-0.03	-1.68e-03	0.0	1.25e-04
1722	172	0.96	-0.20	-0.09	1.63e-04	0.0	-1.31e-04
1722	194	0.24	2.04	-0.03	-1.67e-03	0.0	1.26e-04
1722	204	1.11	-0.24	-0.10	1.94e-04	0.0	-1.53e-04
1722	226	0.28	2.38	-0.03	-1.96e-03	0.0	1.51e-04
1723	18	5.61e-03	0.56	-0.05	-2.48e-04	0.0	2.09e-04
1723	28	4.84e-03	-0.24	-0.07	1.37e-04	0.0	-7.51e-05
1723	75	3.91e-03	0.38	-0.04	-1.66e-04	0.0	1.39e-04
1723	80	3.39e-03	-0.16	-0.05	9.07e-05	0.0	-5.05e-05
1723	98	2.57e-03	0.02	-0.04	-4.42e-06	0.0	-6.22e-06
1723	103	2.68e-03	0.09	-0.04	-3.65e-05	0.0	2.31e-05
1723	107	2.45e-03	0.02	-0.04	-4.29e-06	0.0	-6.00e-06
1723	108	1.36	-0.05	-0.04	3.03e-05	0.0	-1.56e-04
1723	129	-0.32	-2.32	-0.06	1.42e-03	0.0	-1.36e-04
1723	130	0.32	2.35	-0.02	-1.43e-03	0.0	1.24e-04
1723	140	1.53	-0.06	-0.04	3.52e-05	0.0	-1.75e-04
1723	161	-0.36	-2.61	-0.06	1.60e-03	0.0	-1.52e-04
1723	162	0.36	2.65	-0.01	-1.61e-03	0.0	1.40e-04
1723	172	1.47	-0.06	-0.04	3.67e-05	0.0	-1.74e-04
1723	193	-0.36	-2.59	-0.06	1.59e-03	0.0	-1.54e-04
1723	194	0.36	2.63	-0.01	-1.60e-03	0.0	1.42e-04
1723	204	1.69	-0.07	-0.04	4.66e-05	0.0	-2.02e-04
1723	225	-0.41	-3.03	-0.07	1.86e-03	0.0	-1.83e-04
1723	226	0.42	3.07	-9.35e-03	-1.87e-03	0.0	1.71e-04
1724	18	7.25e-03	0.66	-0.06	-1.96e-04	0.0	1.96e-04
1724	28	6.35e-03	-0.30	-0.08	1.32e-04	0.0	-7.50e-05
1724	75	5.04e-03	0.44	-0.04	-1.30e-04	0.0	1.30e-04
1724	80	4.44e-03	-0.20	-0.06	8.78e-05	0.0	-5.06e-05
1724	98	3.32e-03	0.02	-0.05	0.0	0.0	-8.23e-06
1724	103	3.46e-03	0.10	-0.04	-2.56e-05	0.0	1.98e-05
1724	107	3.17e-03	0.02	-0.05	0.0	0.0	-7.92e-06
1724	108	1.82	-0.06	-0.04	3.28e-05	0.0	-1.96e-04
1724	129	-0.43	-2.96	-0.07	1.43e-03	0.0	-1.61e-04
1724	130	0.43	3.00	-0.02	-1.43e-03	0.0	1.46e-04
1724	140	2.05	-0.07	-0.04	3.74e-05	0.0	-2.20e-04
1724	161	-0.48	-3.33	-0.07	1.61e-03	0.0	-1.81e-04
1724	162	0.49	3.37	-0.02	-1.61e-03	0.0	1.66e-04
1724	172	1.97	-0.07	-0.04	3.91e-05	0.0	-2.18e-04
1724	193	-0.48	-3.31	-0.07	1.60e-03	0.0	-1.84e-04
1724	194	0.49	3.35	-0.02	-1.60e-03	0.0	1.68e-04
1724	204	2.26	-0.10	-0.04	4.86e-05	0.0	-2.54e-04
1724	225	-0.55	-3.87	-0.08	1.87e-03	0.0	-2.18e-04
1724	226	0.56	3.91	-0.01	-1.87e-03	0.0	2.02e-04
1725	18	5.64e-03	0.74	-0.01	-2.52e-04	0.0	3.05e-04
1725	28	4.91e-03	-0.31	-0.02	1.44e-04	0.0	-1.09e-04
1725	75	3.92e-03	0.49	-9.52e-03	-1.68e-04	0.0	2.03e-04
1725	80	3.44e-03	-0.20	-0.01	9.56e-05	0.0	-7.31e-05
1725	98	2.59e-03	0.01	-9.81e-03	-1.51e-06	0.0	-8.42e-06
1725	103	2.70e-03	0.11	-9.41e-03	-3.49e-05	0.0	3.42e-05
1725	107	2.47e-03	0.01	-9.52e-03	-1.49e-06	0.0	-8.12e-06
1725	108	1.36	-0.15	-0.01	8.99e-05	0.0	-1.59e-04
1725	130	0.32	2.42	-8.71e-03	-1.45e-03	0.0	1.34e-04
1725	133	0.93	-2.23	-0.01	1.35e-03	0.0	-1.29e-04
1725	140	1.53	-0.17	-0.01	1.02e-04	0.0	-1.78e-04
1725	162	0.36	2.72	-8.61e-03	-1.63e-03	0.0	1.53e-04
1725	165	1.04	-2.51	-0.01	1.52e-03	0.0	-1.44e-04
1725	172	1.47	-0.17	-0.01	1.03e-04	0.0	-1.77e-04
1725	194	0.36	2.70	-8.64e-03	-1.62e-03	0.0	1.54e-04
1725	197	1.01	-2.46	-0.01	1.49e-03	0.0	-1.43e-04
1725	204	1.69	-0.20	-0.01	1.24e-04	0.0	-2.05e-04
1725	226	0.42	3.16	-8.49e-03	-1.90e-03	0.0	1.85e-04
1725	229	1.16	-2.86	-0.01	1.74e-03	0.0	-1.66e-04
1726	18	6.48e-03	0.83	-0.01	-1.39e-04	0.0	2.99e-04
1726	28	5.45e-03	-0.37	-0.02	1.20e-04	0.0	-1.12e-04
1726	75	4.48e-03	0.55	-0.01	-9.26e-05	0.0	1.99e-04
1726	80	3.79e-03	-0.24	-0.01	8.03e-05	0.0	-7.51e-05
1726	98	2.74e-03	0.01	-0.01	3.41e-06	0.0	-1.07e-05
1726	103	2.90e-03	0.12	-0.01	-1.60e-05	0.0	3.16e-05
1726	107	2.60e-03	0.01	-0.01	3.26e-06	0.0	-1.04e-05
1726	108	1.84	-0.19	-0.02	9.23e-05	0.0	-2.00e-04
1726	113	1.83	-1.77	-0.02	8.42e-04	0.0	-2.53e-04

1726	130	0.44	3.07	-7.90e-03	-1.44e-03	0.0	1.55e-04
1726	140	2.06	-0.21	-0.02	1.04e-04	0.0	-2.24e-04
1726	145	2.06	-2.00	-0.02	9.48e-04	0.0	-2.84e-04
1726	162	0.49	3.45	-7.52e-03	-1.62e-03	0.0	1.76e-04
1726	172	1.98	-0.21	-0.02	1.05e-04	0.0	-2.22e-04
1726	177	1.98	-1.97	-0.02	9.37e-04	0.0	-2.82e-04
1726	194	0.49	3.43	-7.73e-03	-1.61e-03	0.0	1.79e-04
1726	204	2.28	-0.26	-0.02	1.26e-04	0.0	-2.58e-04
1726	209	2.28	-2.30	-0.02	1.09e-03	0.0	-3.29e-04
1726	226	0.56	4.01	-7.22e-03	-1.88e-03	0.0	2.15e-04
1727	18	5.39e-03	0.94	-0.01	-2.69e-04	0.0	3.31e-04
1727	28	4.61e-03	-0.38	-0.01	1.54e-04	0.0	-1.17e-04
1727	75	3.74e-03	0.63	-7.79e-03	-1.79e-04	0.0	2.20e-04
1727	80	3.22e-03	-0.25	-8.06e-03	1.03e-04	0.0	-7.89e-05
1727	98	2.40e-03	8.68e-03	-7.71e-03	1.16e-06	0.0	-8.78e-06
1727	103	2.51e-03	0.13	-7.65e-03	-3.51e-05	0.0	3.74e-05
1727	107	2.29e-03	8.47e-03	-7.65e-03	1.06e-06	0.0	-8.47e-06
1727	108	1.35	-0.25	-0.11	1.44e-04	0.0	-1.60e-04
1727	130	0.32	2.49	-0.03	-1.47e-03	0.0	1.37e-04
1727	140	1.52	-0.28	-0.12	1.63e-04	0.0	-1.79e-04
1727	162	0.36	2.80	-0.03	-1.66e-03	0.0	1.56e-04
1727	172	1.46	-0.28	-0.11	1.63e-04	0.0	-1.77e-04
1727	194	0.36	2.79	-0.03	-1.65e-03	0.0	1.57e-04
1727	204	1.68	-0.33	-0.13	1.94e-04	0.0	-2.06e-04
1727	226	0.42	3.26	-0.04	-1.93e-03	0.0	1.89e-04
1728	18	4.68e-03	1.05	-0.01	-8.31e-05	0.0	3.62e-04
1728	28	3.24e-03	-0.45	-0.01	1.07e-04	0.0	-1.31e-04
1728	75	3.16e-03	0.70	-9.99e-03	-5.51e-05	0.0	2.41e-04
1728	80	2.21e-03	-0.30	-0.01	7.19e-05	0.0	-8.81e-05
1728	98	1.36e-03	6.98e-03	-9.92e-03	5.52e-06	0.0	-1.10e-05
1728	103	1.59e-03	0.15	-9.86e-03	-6.88e-06	0.0	3.98e-05
1728	107	1.27e-03	6.86e-03	-9.86e-03	5.28e-06	0.0	-1.06e-05
1728	108	1.86	-0.31	-0.10	1.47e-04	0.0	-2.00e-04
1728	130	0.44	3.15	-0.03	-1.44e-03	0.0	1.59e-04
1728	140	2.09	-0.35	-0.12	1.65e-04	0.0	-2.24e-04
1728	162	0.50	3.54	-0.03	-1.62e-03	0.0	1.81e-04
1728	172	2.01	-0.35	-0.11	1.66e-04	0.0	-2.22e-04
1728	194	0.50	3.52	-0.03	-1.62e-03	0.0	1.83e-04
1728	204	2.31	-0.42	-0.13	1.96e-04	0.0	-2.58e-04
1728	226	0.57	4.12	-0.04	-1.89e-03	0.0	2.21e-04
1729	4	9.95e-03	0.45	-0.09	-8.36e-05	0.0	8.02e-05
1729	18	9.87e-03	0.73	-0.07	-1.47e-04	0.0	1.47e-04
1729	28	9.38e-03	-0.36	-0.09	1.30e-04	0.0	-6.48e-05
1729	68	6.96e-03	0.30	-0.06	-5.53e-05	0.0	5.27e-05
1729	75	6.91e-03	0.49	-0.05	-9.78e-05	0.0	9.72e-05
1729	80	6.58e-03	-0.24	-0.07	8.70e-05	0.0	-4.40e-05
1729	98	5.01e-03	0.02	-0.05	6.50e-06	0.0	-1.05e-05
1729	103	5.09e-03	0.11	-0.05	-1.46e-05	0.0	1.16e-05
1729	107	4.79e-03	0.02	-0.05	6.27e-06	0.0	-1.01e-05
1729	108	2.11	-0.07	-0.05	3.70e-05	0.0	-2.34e-04
1729	129	-0.49	-3.58	-0.08	1.44e-03	0.0	-1.84e-04
1729	130	0.50	3.62	-0.02	-1.43e-03	0.0	1.64e-04
1729	140	2.37	-0.09	-0.05	4.14e-05	0.0	-2.62e-04
1729	161	-0.55	-4.04	-0.08	1.62e-03	0.0	-2.07e-04
1729	162	0.56	4.07	-0.02	-1.61e-03	0.0	1.87e-04
1729	172	2.28	-0.09	-0.05	4.30e-05	0.0	-2.60e-04
1729	193	-0.55	-4.01	-0.08	1.61e-03	0.0	-2.10e-04
1729	194	0.56	4.04	-0.02	-1.59e-03	0.0	1.90e-04
1729	204	2.62	-0.12	-0.05	5.24e-05	0.0	-3.03e-04
1729	225	-0.64	-4.69	-0.09	1.88e-03	0.0	-2.49e-04
1729	226	0.65	4.73	-0.02	-1.87e-03	0.0	2.29e-04
1730	4	0.01	0.48	-0.10	-5.34e-05	0.0	3.53e-05
1730	18	0.01	0.79	-0.09	-1.05e-04	0.0	7.42e-05
1730	28	0.01	-0.42	-0.12	1.31e-04	0.0	-4.61e-05
1730	68	0.01	0.32	-0.07	-3.46e-05	0.0	2.27e-05
1730	75	9.93e-03	0.52	-0.06	-6.90e-05	0.0	4.87e-05
1730	80	0.01	-0.28	-0.08	8.80e-05	0.0	-3.16e-05
1730	98	8.01e-03	0.01	-0.07	1.29e-05	0.0	-1.21e-05
1730	103	7.94e-03	0.12	-0.06	-4.08e-06	0.0	0.0
1730	107	7.66e-03	0.01	-0.06	1.24e-05	0.0	-1.16e-05
1730	108	2.35	-0.09	-0.06	4.25e-05	0.0	-2.70e-04
1730	129	-0.54	-4.21	-0.09	1.44e-03	0.0	-2.06e-04
1730	130	0.55	4.24	-0.04	-1.42e-03	0.0	1.83e-04
1730	140	2.64	-0.11	-0.06	4.69e-05	0.0	-3.03e-04
1730	161	-0.61	-4.74	-0.09	1.62e-03	0.0	-2.32e-04

1730	162	0.62	4.77	-0.04	-1.60e-03	0.0	2.09e-04
1730	172	2.53	-0.11	-0.06	4.86e-05	0.0	-3.01e-04
1730	193	-0.61	-4.70	-0.09	1.61e-03	0.0	-2.35e-04
1730	194	0.62	4.73	-0.04	-1.59e-03	0.0	2.12e-04
1730	204	2.92	-0.14	-0.06	5.79e-05	0.0	-3.50e-04
1730	225	-0.70	-5.50	-0.09	1.88e-03	0.0	-2.79e-04
1730	226	0.72	5.53	-0.03	-1.86e-03	0.0	2.56e-04
1731	18	0.02	0.81	-0.12	-7.78e-05	0.0	0.0
1731	28	0.02	-0.47	-0.15	1.33e-04	0.0	-2.34e-05
1731	75	0.01	0.54	-0.09	-5.06e-05	0.0	0.0
1731	80	0.01	-0.32	-0.11	9.00e-05	0.0	-1.65e-05
1731	98	0.01	5.70e-03	-0.09	1.78e-05	0.0	-1.20e-05
1731	103	9.90e-03	0.11	-0.08	3.33e-06	0.0	-9.04e-06
1731	107	9.66e-03	5.61e-03	-0.08	1.71e-05	0.0	-1.15e-05
1731	113	2.58	-2.67	-0.09	8.03e-04	0.0	-2.96e-04
1731	129	-0.59	-4.83	-0.10	1.44e-03	0.0	-2.26e-04
1731	130	0.61	4.85	-0.07	-1.41e-03	0.0	2.03e-04
1731	145	2.90	-3.01	-0.09	9.02e-04	0.0	-3.31e-04
1731	161	-0.66	-5.44	-0.10	1.62e-03	0.0	-2.54e-04
1731	162	0.68	5.45	-0.06	-1.59e-03	0.0	2.31e-04
1731	177	2.78	-2.97	-0.09	8.91e-04	0.0	-3.29e-04
1731	193	-0.66	-5.40	-0.10	1.61e-03	0.0	-2.57e-04
1731	194	0.68	5.42	-0.07	-1.58e-03	0.0	2.34e-04
1731	209	3.21	-3.46	-0.10	1.04e-03	0.0	-3.84e-04
1731	225	-0.77	-6.32	-0.11	1.88e-03	0.0	-3.05e-04
1731	226	0.79	6.33	-0.06	-1.85e-03	0.0	2.82e-04
1732	18	8.94e-03	0.86	-0.02	-3.94e-05	0.0	2.20e-04
1732	28	8.24e-03	-0.41	-0.02	1.00e-04	0.0	-9.15e-05
1732	75	6.25e-03	0.57	-0.01	-2.57e-05	0.0	1.46e-04
1732	80	5.78e-03	-0.28	-0.01	6.75e-05	0.0	-6.19e-05
1732	98	4.34e-03	0.01	-0.01	8.18e-06	0.0	-1.27e-05
1732	103	4.47e-03	0.12	-0.01	1.04e-06	0.0	1.96e-05
1732	107	4.15e-03	0.01	-0.01	7.87e-06	0.0	-1.22e-05
1732	108	2.11	-0.23	-0.02	9.56e-05	0.0	-2.37e-04
1732	113	2.11	-2.14	-0.02	8.41e-04	0.0	-2.95e-04
1732	130	0.50	3.69	-6.44e-03	-1.42e-03	0.0	1.67e-04
1732	140	2.38	-0.26	-0.02	1.07e-04	0.0	-2.66e-04
1732	145	2.37	-2.41	-0.02	9.46e-04	0.0	-3.31e-04
1732	162	0.56	4.15	-5.77e-03	-1.60e-03	0.0	1.91e-04
1732	172	2.28	-0.26	-0.02	1.08e-04	0.0	-2.64e-04
1732	177	2.28	-2.38	-0.02	9.35e-04	0.0	-3.30e-04
1732	194	0.56	4.13	-6.12e-03	-1.59e-03	0.0	1.94e-04
1732	204	2.63	-0.31	-0.02	1.29e-04	0.0	-3.07e-04
1732	209	2.62	-2.77	-0.03	1.09e-03	0.0	-3.85e-04
1732	226	0.65	4.83	-5.23e-03	-1.86e-03	0.0	2.34e-04
1733	4	0.01	0.51	-0.02	3.21e-05	0.0	5.63e-05
1733	18	0.01	0.85	-0.02	3.82e-05	0.0	1.10e-04
1733	28	0.01	-0.45	-0.02	8.59e-05	0.0	-5.86e-05
1733	68	9.64e-03	0.34	-0.01	2.23e-05	0.0	3.66e-05
1733	75	9.23e-03	0.57	-0.01	2.64e-05	0.0	7.26e-05
1733	80	9.61e-03	-0.30	-0.02	5.81e-05	0.0	-4.00e-05
1733	98	7.35e-03	6.32e-03	-0.01	1.23e-05	0.0	-1.29e-05
1733	103	7.31e-03	0.12	-0.01	1.46e-05	0.0	4.80e-06
1733	107	7.03e-03	6.23e-03	-0.01	1.18e-05	0.0	-1.24e-05
1733	108	2.34	-0.27	-0.02	9.90e-05	0.0	-2.72e-04
1733	113	2.34	-2.50	-0.03	8.40e-04	0.0	-2.72e-04
1733	130	0.55	4.30	-6.85e-03	-1.41e-03	0.0	1.84e-04
1733	140	2.64	-0.30	-0.02	1.11e-04	0.0	-3.05e-04
1733	145	2.64	-2.82	-0.03	9.44e-04	0.0	-3.04e-04
1733	162	0.62	4.84	-6.07e-03	-1.59e-03	0.0	2.09e-04
1733	172	2.53	-0.31	-0.02	1.12e-04	0.0	-3.03e-04
1733	177	2.53	-2.78	-0.03	9.33e-04	0.0	-3.02e-04
1733	194	0.62	4.81	-6.51e-03	-1.58e-03	0.0	2.13e-04
1733	204	2.91	-0.37	-0.03	1.32e-04	0.0	-3.52e-04
1733	209	2.91	-3.25	-0.03	1.09e-03	0.0	-3.52e-04
1733	226	0.72	5.63	-5.49e-03	-1.85e-03	0.0	2.57e-04
1734	28	0.02	-0.48	-0.03	7.84e-05	0.0	-2.29e-05
1734	44	0.02	-0.80	-0.03	1.12e-04	0.0	-2.38e-05
1734	80	0.01	-0.32	-0.02	5.33e-05	0.0	-1.61e-05
1734	88	0.01	-0.53	-0.02	7.57e-05	0.0	-1.67e-05
1734	98	0.01	-9.42e-04	-0.02	1.51e-05	0.0	-1.14e-05
1734	105	0.01	-0.11	-0.02	2.65e-05	0.0	-1.19e-05
1734	107	0.01	-7.63e-04	-0.02	1.45e-05	0.0	-1.09e-05
1734	113	2.58	-2.86	-0.03	8.41e-04	0.0	-2.96e-04
1734	129	-0.59	-4.91	-0.02	1.43e-03	0.0	-2.26e-04

1734	145	2.90	-3.22	-0.03	9.44e-04	0.0	-3.31e-04
1734	161	-0.66	-5.52	-0.02	1.61e-03	0.0	-2.54e-04
1734	177	2.78	-3.18	-0.03	9.34e-04	0.0	-3.29e-04
1734	193	-0.66	-5.49	-0.02	1.60e-03	0.0	-2.57e-04
1734	209	3.21	-3.72	-0.03	1.09e-03	0.0	-3.84e-04
1734	225	-0.76	-6.43	-0.02	1.87e-03	0.0	-3.05e-04
1735	16	5.64e-03	1.01	-0.01	8.45e-05	0.0	2.55e-04
1735	18	6.90e-03	1.01	-0.01	8.81e-05	0.0	2.49e-04
1735	28	5.73e-03	-0.48	-0.01	6.25e-05	0.0	-1.01e-04
1735	73	3.95e-03	0.67	-0.01	5.69e-05	0.0	1.69e-04
1735	75	4.80e-03	0.67	-0.01	5.93e-05	0.0	1.65e-04
1735	80	4.02e-03	-0.32	-0.01	4.23e-05	0.0	-6.84e-05
1735	98	2.88e-03	3.14e-03	-0.01	8.60e-06	0.0	-1.31e-05
1735	102	2.37e-03	0.14	-0.01	1.63e-05	0.0	2.62e-05
1735	103	3.09e-03	0.14	-0.01	1.83e-05	0.0	2.32e-05
1735	106	2.04e-03	3.36e-03	-0.01	6.19e-06	0.0	-9.62e-06
1735	107	2.76e-03	3.17e-03	-0.01	8.26e-06	0.0	-1.26e-05
1735	108	2.11	-0.38	-0.10	1.49e-04	0.0	-2.38e-04
1735	130	0.50	3.76	-0.03	-1.41e-03	0.0	1.69e-04
1735	140	2.37	-0.43	-0.11	1.67e-04	0.0	-2.67e-04
1735	162	0.56	4.24	-0.03	-1.59e-03	0.0	1.92e-04
1735	172	2.28	-0.43	-0.11	1.68e-04	0.0	-2.65e-04
1735	194	0.56	4.21	-0.03	-1.59e-03	0.0	1.95e-04
1735	204	2.62	-0.51	-0.12	1.99e-04	0.0	-3.08e-04
1735	226	0.65	4.93	-0.04	-1.86e-03	0.0	2.36e-04
1736	19	6.34e-03	0.92	-0.01	1.85e-04	0.0	1.29e-04
1736	28	0.01	-0.49	-0.02	3.38e-05	0.0	-6.08e-05
1736	72	5.91e-03	0.61	-0.01	1.26e-04	0.0	8.24e-05
1736	80	8.60e-03	-0.33	-0.01	2.33e-05	0.0	-4.15e-05
1736	98	6.48e-03	-1.31e-03	-0.01	9.93e-06	0.0	-1.28e-05
1736	102	4.82e-03	0.12	-0.01	3.10e-05	0.0	9.02e-06
1736	105	6.48e-03	-0.11	-0.01	1.35e-05	0.0	-2.12e-05
1736	107	6.20e-03	-1.11e-03	-0.01	9.54e-06	0.0	-1.23e-05
1736	108	2.34	-0.44	-0.10	1.50e-04	0.0	-2.72e-04
1736	129	-0.54	-4.37	9.22e-03	1.42e-03	0.0	-2.09e-04
1736	140	2.64	-0.50	-0.11	1.68e-04	0.0	-3.05e-04
1736	161	-0.61	-4.92	0.01	1.59e-03	0.0	-2.34e-04
1736	172	2.53	-0.50	-0.10	1.69e-04	0.0	-3.03e-04
1736	193	-0.61	-4.90	0.01	1.59e-03	0.0	-2.38e-04
1736	204	2.91	-0.60	-0.12	1.99e-04	0.0	-3.53e-04
1736	225	-0.70	-5.73	0.02	1.86e-03	0.0	-2.82e-04
1737	28	0.02	-0.49	-0.02	1.32e-05	0.0	-1.38e-05
1737	44	0.02	-0.81	-0.02	9.20e-06	0.0	-1.14e-05
1737	80	0.01	-0.33	-0.01	9.57e-06	0.0	-9.82e-06
1737	88	0.01	-0.54	-0.01	6.88e-06	0.0	-8.22e-06
1737	98	0.01	-5.84e-03	-0.01	1.03e-05	0.0	-9.01e-06
1737	105	0.01	-0.11	-0.01	9.10e-06	0.0	-8.40e-06
1737	107	0.01	-5.46e-03	-0.01	9.86e-06	0.0	-8.64e-06
1737	108	2.58	-0.51	-0.10	1.52e-04	0.0	-2.97e-04
1737	113	2.58	-3.06	-0.10	8.74e-04	0.0	-2.94e-04
1737	129	-0.59	-4.98	8.76e-03	1.41e-03	0.0	-2.24e-04
1737	140	2.90	-0.58	-0.11	1.70e-04	0.0	-3.33e-04
1737	145	2.90	-3.44	-0.11	9.82e-04	0.0	-3.30e-04
1737	161	-0.66	-5.61	0.01	1.59e-03	0.0	-2.53e-04
1737	172	2.78	-0.58	-0.10	1.71e-04	0.0	-3.32e-04
1737	177	2.79	-3.40	-0.10	9.72e-04	0.0	-3.28e-04
1737	193	-0.66	-5.58	0.01	1.58e-03	0.0	-2.56e-04
1737	204	3.20	-0.68	-0.12	2.02e-04	0.0	-3.87e-04
1737	209	3.21	-3.97	-0.12	1.13e-03	0.0	-3.83e-04
1737	225	-0.76	-6.53	0.01	1.85e-03	0.0	-3.04e-04
1738	1	0.0	0.0	0.0	-7.28e-04	0.0	3.76e-06
1738	65	0.0	0.0	0.0	-4.85e-04	0.0	2.48e-06
1738	97	0.0	0.0	0.0	2.76e-06	0.0	0.0
1738	106	0.0	0.0	0.0	2.76e-06	0.0	0.0
1738	108	0.0	0.0	0.0	3.43e-04	0.0	-4.59e-06
1738	140	0.0	0.0	0.0	3.87e-04	0.0	-5.14e-06
1738	172	0.0	0.0	0.0	3.85e-04	0.0	-5.10e-06
1738	204	0.0	0.0	0.0	4.52e-04	0.0	-5.92e-06
1739	19	-9.49e-04	0.52	-1.46e-03	-1.15e-03	0.0	3.89e-05
1739	28	-6.45e-03	-0.19	-1.88e-03	4.22e-04	0.0	-1.48e-05
1739	49	-3.23e-03	-1.33e-03	-1.92e-03	3.89e-06	0.0	-1.82e-06
1739	72	-1.52e-03	0.34	-1.47e-03	-7.65e-04	0.0	2.54e-05
1739	80	-4.52e-03	-0.12	-1.45e-03	2.82e-04	0.0	-1.00e-05
1739	89	-2.37e-03	-9.73e-04	-1.48e-03	2.84e-06	0.0	-1.34e-06
1739	97	-2.37e-03	-9.73e-04	-1.48e-03	2.84e-06	0.0	-1.34e-06

1739	98	-3.50e-03	-1.61e-03	-1.47e-03	4.58e-06	0.0	-1.86e-06
1739	102	-2.20e-03	0.07	-1.48e-03	-1.51e-04	0.0	4.01e-06
1739	106	-2.37e-03	-9.73e-04	-1.48e-03	2.84e-06	0.0	-1.34e-06
1739	107	-3.34e-03	-1.52e-03	-1.47e-03	4.34e-06	0.0	-1.79e-06
1739	111	-0.21	0.13	-0.02	-3.35e-04	0.0	4.43e-05
1739	114	-0.21	0.46	-0.02	-1.14e-03	0.0	4.54e-05
1739	129	-0.06	-0.67	-6.17e-03	1.65e-03	0.0	-3.98e-05
1739	143	-0.24	0.15	-0.02	-3.78e-04	0.0	5.01e-05
1739	146	-0.23	0.51	-0.02	-1.28e-03	0.0	5.14e-05
1739	161	-0.06	-0.75	-6.77e-03	1.86e-03	0.0	-4.47e-05
1739	175	-0.23	0.15	-0.02	-3.76e-04	0.0	4.97e-05
1739	178	-0.22	0.51	-0.02	-1.27e-03	0.0	5.10e-05
1739	193	-0.06	-0.75	-6.76e-03	1.86e-03	0.0	-4.52e-05
1739	207	-0.26	0.17	-0.03	-4.44e-04	0.0	5.85e-05
1739	210	-0.26	0.59	-0.03	-1.48e-03	0.0	6.00e-05
1739	225	-0.07	-0.88	-7.57e-03	2.18e-03	0.0	-5.36e-05
1740	4	0.37	0.40	-1.00	0.0	1.22e-04	-5.68e-05
1740	44	0.32	-1.66	-0.80	0.0	1.00e-04	-3.77e-05
1740	68	0.26	0.25	-0.70	0.0	8.52e-05	-3.93e-05
1740	88	0.22	-1.13	-0.57	0.0	7.03e-05	-2.65e-05
1740	98	0.21	-0.24	-0.56	0.0	6.84e-05	-3.03e-05
1740	105	0.20	-0.40	-0.53	0.0	6.42e-05	-2.75e-05
1740	107	0.20	-0.23	-0.54	0.0	6.47e-05	-2.85e-05
1740	108	6.39	-3.32	-1.01	0.0	5.68e-04	-4.20e-04
1740	112	8.03	-3.78	-0.96	0.0	4.57e-04	-5.36e-04
1740	129	4.62	-10.42	-0.32	0.0	-2.39e-05	-3.41e-04
1740	140	7.18	-3.71	-1.07	0.0	6.32e-04	-4.69e-04
1740	144	9.02	-4.24	-1.01	0.0	5.07e-04	-6.00e-04
1740	161	5.18	-11.71	-0.30	0.0	-3.47e-05	-3.81e-04
1740	172	7.13	-3.63	-1.06	0.0	6.21e-04	-4.59e-04
1740	176	8.96	-4.21	-1.00	0.0	4.99e-04	-5.88e-04
1740	193	5.18	-11.70	-0.30	0.0	-3.17e-05	-3.78e-04
1740	204	8.32	-4.19	-1.14	0.0	7.13e-04	-5.28e-04
1740	208	10.46	-4.90	-1.07	0.0	5.71e-04	-6.80e-04
1740	225	6.08	-13.70	-0.26	0.0	-4.45e-05	-4.43e-04
1741	4	0.42	0.37	-1.01	0.0	9.23e-05	-3.58e-05
1741	44	0.36	-1.77	-0.81	0.0	7.84e-05	-2.58e-05
1741	68	0.30	0.23	-0.71	0.0	6.44e-05	-2.50e-05
1741	88	0.26	-1.20	-0.57	0.0	5.51e-05	-1.83e-05
1741	98	0.24	-0.28	-0.56	0.0	5.22e-05	-2.01e-05
1741	105	0.23	-0.45	-0.53	0.0	4.93e-05	-1.85e-05
1741	107	0.23	-0.26	-0.54	0.0	4.95e-05	-1.91e-05
1741	108	6.62	-3.40	-1.01	0.0	5.29e-04	-4.24e-04
1741	112	8.32	-3.88	-0.96	0.0	4.23e-04	-5.45e-04
1741	129	4.79	-10.80	-0.31	0.0	-2.67e-05	-3.51e-04
1741	140	7.43	-3.79	-1.07	0.0	5.90e-04	-4.75e-04
1741	144	9.34	-4.35	-1.01	0.0	4.70e-04	-6.11e-04
1741	161	5.37	-12.14	-0.28	0.0	-3.61e-05	-3.93e-04
1741	172	7.38	-3.71	-1.06	0.0	5.80e-04	-4.62e-04
1741	176	9.27	-4.31	-0.99	0.0	4.63e-04	-5.96e-04
1741	193	5.37	-12.12	-0.28	0.0	-3.31e-05	-3.90e-04
1741	204	8.61	-4.28	-1.14	0.0	6.68e-04	-5.32e-04
1741	208	10.82	-5.02	-1.07	0.0	5.32e-04	-6.90e-04
1741	225	6.30	-14.19	-0.24	0.0	-4.38e-05	-4.58e-04
1742	19	-1.52e-03	0.98	-2.38e-03	-9.49e-04	0.0	5.90e-05
1742	28	-0.01	-0.36	-2.89e-03	3.63e-04	0.0	-2.39e-05
1742	49	-5.24e-03	-2.70e-03	-3.09e-03	4.20e-06	0.0	-3.51e-06
1742	72	-2.46e-03	0.66	-2.38e-03	-6.32e-04	0.0	3.84e-05
1742	80	-7.38e-03	-0.24	-2.25e-03	2.42e-04	0.0	-1.62e-05
1742	89	-3.85e-03	-1.97e-03	-2.39e-03	3.07e-06	0.0	-2.60e-06
1742	97	-3.85e-03	-1.97e-03	-2.39e-03	3.07e-06	0.0	-2.60e-06
1742	98	-5.72e-03	-3.25e-03	-2.33e-03	4.89e-06	0.0	-3.59e-06
1742	102	-3.57e-03	0.13	-2.38e-03	-1.24e-04	0.0	5.60e-06
1742	106	-3.85e-03	-1.97e-03	-2.39e-03	3.07e-06	0.0	-2.60e-06
1742	107	-5.46e-03	-3.06e-03	-2.34e-03	4.63e-06	0.0	-3.45e-06
1742	111	-0.38	0.26	-0.04	-3.35e-04	0.0	8.79e-05
1742	114	-0.37	0.91	-0.04	-1.13e-03	0.0	8.97e-05
1742	129	-0.10	-1.33	-0.01	1.63e-03	0.0	-7.74e-05
1742	143	-0.43	0.30	-0.05	-3.79e-04	0.0	9.95e-05
1742	146	-0.42	1.02	-0.05	-1.27e-03	0.0	1.02e-04
1742	161	-0.11	-1.49	-0.01	1.84e-03	0.0	-8.70e-05
1742	175	-0.41	0.30	-0.05	-3.77e-04	0.0	9.87e-05
1742	178	-0.40	1.01	-0.05	-1.26e-03	0.0	1.01e-04
1742	193	-0.11	-1.49	-0.01	1.84e-03	0.0	-8.79e-05
1742	207	-0.47	0.35	-0.05	-4.44e-04	0.0	1.16e-04

1742	210	-0.46	1.18	-0.05	-1.47e-03	0.0	1.18e-04
1742	225	-0.13	-1.75	-0.01	2.15e-03	0.0	-1.04e-04
1743	4	0.46	0.34	-1.01	0.0	7.25e-05	-3.40e-05
1743	44	0.40	-1.87	-0.81	0.0	6.33e-05	-2.59e-05
1743	68	0.32	0.20	-0.71	0.0	5.07e-05	-2.39e-05
1743	88	0.28	-1.27	-0.57	0.0	4.46e-05	-1.85e-05
1743	98	0.27	-0.31	-0.57	0.0	4.14e-05	-1.97e-05
1743	105	0.25	-0.49	-0.53	0.0	3.94e-05	-1.83e-05
1743	107	0.25	-0.30	-0.54	0.0	3.94e-05	-1.87e-05
1743	108	6.83	-3.47	-1.02	0.0	4.82e-04	-4.31e-04
1743	112	8.58	-3.98	-0.96	0.0	3.84e-04	-5.55e-04
1743	129	4.95	-11.17	-0.30	0.0	-2.92e-05	-3.59e-04
1743	140	7.67	-3.87	-1.08	0.0	5.38e-04	-4.83e-04
1743	144	9.64	-4.45	-1.01	0.0	4.27e-04	-6.23e-04
1743	161	5.55	-12.55	-0.27	0.0	-3.76e-05	-4.02e-04
1743	172	7.61	-3.78	-1.06	0.0	5.29e-04	-4.70e-04
1743	176	9.56	-4.41	-1.00	0.0	4.21e-04	-6.08e-04
1743	193	5.54	-12.53	-0.27	0.0	-3.48e-05	-3.98e-04
1743	204	8.88	-4.36	-1.15	0.0	6.11e-04	-5.41e-04
1743	208	11.16	-5.13	-1.07	0.0	4.84e-04	-7.03e-04
1743	225	6.50	-14.66	-0.23	0.0	-4.42e-05	-4.68e-04
1744	19	-1.47e-03	1.32	-4.40e-03	-6.59e-04	0.0	8.68e-05
1744	28	-0.01	-0.49	-5.29e-03	2.76e-04	0.0	-3.35e-05
1744	49	-6.10e-03	-4.45e-03	-5.72e-03	4.57e-06	0.0	-4.27e-06
1744	72	-2.66e-03	0.88	-4.39e-03	-4.38e-04	0.0	5.67e-05
1744	80	-8.42e-03	-0.33	-4.12e-03	1.85e-04	0.0	-2.26e-05
1744	89	-4.47e-03	-3.25e-03	-4.41e-03	3.34e-06	0.0	-3.15e-06
1744	97	-4.47e-03	-3.25e-03	-4.41e-03	3.34e-06	0.0	-3.15e-06
1744	98	-6.69e-03	-5.27e-03	-4.29e-03	5.25e-06	0.0	-4.38e-06
1744	102	-4.11e-03	0.17	-4.41e-03	-8.49e-05	0.0	8.81e-06
1744	106	-4.47e-03	-3.25e-03	-4.41e-03	3.34e-06	0.0	-3.15e-06
1744	107	-6.37e-03	-4.98e-03	-4.30e-03	4.98e-06	0.0	-4.20e-06
1744	111	-0.83	0.40	-0.09	-3.33e-04	0.0	1.15e-04
1744	114	-0.83	1.36	-0.09	-1.11e-03	0.0	1.17e-04
1744	129	-0.21	-1.98	-0.02	1.60e-03	0.0	-1.00e-04
1744	143	-0.93	0.45	-0.10	-3.76e-04	0.0	1.30e-04
1744	146	-0.93	1.53	-0.10	-1.25e-03	0.0	1.33e-04
1744	161	-0.23	-2.23	-0.03	1.80e-03	0.0	-1.13e-04
1744	175	-0.90	0.45	-0.10	-3.74e-04	0.0	1.29e-04
1744	178	-0.89	1.51	-0.10	-1.24e-03	0.0	1.32e-04
1744	193	-0.23	-2.22	-0.03	1.80e-03	0.0	-1.14e-04
1744	207	-1.03	0.53	-0.11	-4.42e-04	0.0	1.52e-04
1744	210	-1.02	1.77	-0.11	-1.45e-03	0.0	1.55e-04
1744	225	-0.27	-2.60	-0.03	2.11e-03	0.0	-1.35e-04
1745	4	0.49	0.31	-1.02	0.0	5.83e-05	-3.23e-05
1745	44	0.43	-1.97	-0.81	0.0	5.18e-05	-2.54e-05
1745	68	0.35	0.18	-0.71	0.0	4.09e-05	-2.28e-05
1745	88	0.30	-1.34	-0.58	0.0	3.65e-05	-1.82e-05
1745	98	0.29	-0.35	-0.57	0.0	3.35e-05	-1.92e-05
1745	105	0.27	-0.53	-0.53	0.0	3.20e-05	-1.80e-05
1745	107	0.27	-0.34	-0.54	0.0	3.19e-05	-1.83e-05
1745	108	7.02	-3.54	-1.02	0.0	4.30e-04	-4.43e-04
1745	112	8.82	-4.08	-0.96	0.0	3.40e-04	-5.70e-04
1745	129	5.09	-11.53	-0.30	0.0	-3.54e-05	-3.70e-04
1745	140	7.88	-3.95	-1.08	0.0	4.80e-04	-4.97e-04
1745	144	9.90	-4.55	-1.01	0.0	3.79e-04	-6.40e-04
1745	161	5.71	-12.95	-0.27	0.0	-4.37e-05	-4.15e-04
1745	172	7.82	-3.86	-1.07	0.0	4.72e-04	-4.83e-04
1745	176	9.82	-4.51	-1.00	0.0	3.73e-04	-6.24e-04
1745	193	5.70	-12.92	-0.27	0.0	-4.11e-05	-4.11e-04
1745	204	9.11	-4.44	-1.15	0.0	5.45e-04	-5.56e-04
1745	208	11.46	-5.23	-1.07	0.0	4.30e-04	-7.23e-04
1745	225	6.68	-15.12	-0.23	0.0	-5.05e-05	-4.83e-04
1746	15	-3.15e-03	0.54	-1.95e-03	-1.18e-03	0.0	4.07e-05
1746	19	-1.61e-03	0.54	-1.51e-03	-1.19e-03	0.0	4.12e-05
1746	28	-9.95e-03	-0.19	-1.88e-03	4.36e-04	0.0	-1.56e-05
1746	72	-2.44e-03	0.36	-1.50e-03	-7.89e-04	0.0	2.70e-05
1746	80	-6.97e-03	-0.13	-1.45e-03	2.91e-04	0.0	-1.05e-05
1746	98	-5.39e-03	-2.71e-03	-1.45e-03	6.34e-06	0.0	-1.86e-06
1746	102	-3.40e-03	0.07	-1.48e-03	-1.55e-04	0.0	4.32e-06
1746	106	-3.64e-03	-1.77e-03	-1.48e-03	4.11e-06	0.0	-1.34e-06
1746	107	-5.14e-03	-2.58e-03	-1.46e-03	6.02e-06	0.0	-1.79e-06
1746	108	0.20	-0.17	-0.02	4.04e-04	0.0	-4.75e-05
1746	111	-0.21	0.16	0.02	-3.92e-04	0.0	4.40e-05
1746	129	-0.06	-0.68	3.84e-03	1.69e-03	0.0	-3.89e-05

1746	140	0.23	-0.19	-0.03	4.55e-04	0.0	-5.33e-05
1746	143	-0.24	0.18	0.02	-4.43e-04	0.0	4.97e-05
1746	161	-0.07	-0.77	4.51e-03	1.90e-03	0.0	-4.37e-05
1746	172	0.22	-0.19	-0.03	4.52e-04	0.0	-5.29e-05
1746	175	-0.23	0.18	0.02	-4.40e-04	0.0	4.94e-05
1746	193	-0.07	-0.77	4.50e-03	1.90e-03	0.0	-4.42e-05
1746	204	0.25	-0.22	-0.03	5.30e-04	0.0	-6.17e-05
1746	207	-0.26	0.21	0.03	-5.18e-04	0.0	5.81e-05
1746	225	-0.08	-0.90	5.43e-03	2.23e-03	0.0	-5.24e-05
1747	1	0.0	0.0	0.0	-7.52e-04	0.0	3.67e-06
1747	65	0.0	0.0	0.0	-5.01e-04	0.0	2.42e-06
1747	97	0.0	0.0	0.0	4.15e-06	0.0	0.0
1747	106	0.0	0.0	0.0	4.15e-06	0.0	0.0
1747	108	0.0	0.0	0.0	4.06e-04	0.0	-4.58e-06
1747	140	0.0	0.0	0.0	4.58e-04	0.0	-5.13e-06
1747	172	0.0	0.0	0.0	4.55e-04	0.0	-5.09e-06
1747	204	0.0	0.0	0.0	5.34e-04	0.0	-5.91e-06
1748	15	-4.55e-03	1.03	-3.17e-03	-9.73e-04	0.0	9.33e-05
1748	19	-2.34e-03	1.03	-2.50e-03	-9.75e-04	0.0	9.43e-05
1748	28	-0.01	-0.37	-2.73e-03	3.73e-04	0.0	-3.44e-05
1748	72	-3.52e-03	0.69	-2.44e-03	-6.48e-04	0.0	6.19e-05
1748	80	-9.96e-03	-0.25	-2.14e-03	2.49e-04	0.0	-2.32e-05
1748	98	-7.75e-03	-5.41e-03	-2.22e-03	6.22e-06	0.0	-3.54e-06
1748	102	-4.91e-03	0.13	-2.37e-03	-1.26e-04	0.0	1.03e-05
1748	106	-5.25e-03	-3.53e-03	-2.35e-03	4.02e-06	0.0	-2.56e-06
1748	107	-7.39e-03	-5.14e-03	-2.24e-03	5.90e-06	0.0	-3.40e-06
1748	108	0.37	-0.33	-0.05	3.94e-04	0.0	-9.52e-05
1748	111	-0.38	0.32	0.04	-3.83e-04	0.0	8.84e-05
1748	129	-0.10	-1.36	8.89e-03	1.66e-03	0.0	-7.84e-05
1748	140	0.41	-0.37	-0.06	4.44e-04	0.0	-1.07e-04
1748	143	-0.43	0.36	0.05	-4.32e-04	0.0	1.00e-04
1748	161	-0.12	-1.53	0.01	1.87e-03	0.0	-8.81e-05
1748	172	0.40	-0.37	-0.05	4.41e-04	0.0	-1.06e-04
1748	175	-0.41	0.36	0.05	-4.30e-04	0.0	9.93e-05
1748	193	-0.12	-1.53	0.01	1.87e-03	0.0	-8.90e-05
1748	204	0.46	-0.43	-0.06	5.18e-04	0.0	-1.24e-04
1748	207	-0.47	0.42	0.06	-5.07e-04	0.0	1.17e-04
1748	225	-0.13	-1.79	0.01	2.19e-03	0.0	-1.06e-04
1749	15	-3.64e-03	1.37	-5.73e-03	-6.69e-04	0.0	9.17e-05
1749	19	-1.63e-03	1.37	-4.52e-03	-6.71e-04	0.0	9.30e-05
1749	28	-0.01	-0.51	-4.87e-03	2.81e-04	0.0	-3.53e-05
1749	72	-2.86e-03	0.91	-4.41e-03	-4.46e-04	0.0	6.08e-05
1749	80	-8.87e-03	-0.34	-3.84e-03	1.88e-04	0.0	-2.38e-05
1749	98	-7.05e-03	-7.91e-03	-3.98e-03	6.09e-06	0.0	-4.38e-06
1749	102	-4.35e-03	0.18	-4.27e-03	-8.60e-05	0.0	9.64e-06
1749	106	-4.73e-03	-5.15e-03	-4.24e-03	3.93e-06	0.0	-3.15e-06
1749	107	-6.72e-03	-7.51e-03	-4.02e-03	5.78e-06	0.0	-4.20e-06
1749	108	0.82	-0.49	-0.10	3.82e-04	0.0	-1.24e-04
1749	111	-0.83	0.47	0.09	-3.71e-04	0.0	1.15e-04
1749	129	-0.21	-2.02	0.02	1.62e-03	0.0	-1.00e-04
1749	140	0.92	-0.55	-0.11	4.31e-04	0.0	-1.39e-04
1749	143	-0.93	0.53	0.10	-4.19e-04	0.0	1.30e-04
1749	161	-0.23	-2.28	0.02	1.82e-03	0.0	-1.13e-04
1749	172	0.88	-0.54	-0.10	4.28e-04	0.0	-1.38e-04
1749	175	-0.90	0.53	0.10	-4.17e-04	0.0	1.29e-04
1749	193	-0.23	-2.27	0.02	1.82e-03	0.0	-1.14e-04
1749	204	1.02	-0.64	-0.12	5.03e-04	0.0	-1.60e-04
1749	207	-1.03	0.62	0.11	-4.92e-04	0.0	1.52e-04
1749	225	-0.27	-2.66	0.02	2.14e-03	0.0	-1.35e-04
1750	4	0.48	0.28	-1.04	0.0	6.98e-05	-2.34e-05
1750	44	0.42	-2.07	-0.87	0.0	5.92e-05	-2.49e-05
1750	68	0.34	0.16	-0.73	0.0	4.86e-05	-1.68e-05
1750	88	0.29	-1.41	-0.61	0.0	4.15e-05	-1.78e-05
1750	98	0.28	-0.38	-0.59	0.0	3.83e-05	-1.68e-05
1750	105	0.26	-0.57	-0.56	0.0	3.63e-05	-1.62e-05
1750	107	0.26	-0.37	-0.56	0.0	3.64e-05	-1.61e-05
1750	113	8.72	-8.81	-0.73	0.0	2.64e-04	-4.78e-04
1750	124	5.61	7.37	-0.82	0.0	2.58e-04	5.27e-05
1750	129	-1.08	-11.87	-0.40	0.0	-4.39e-05	-4.12e-04
1750	145	9.79	-9.87	-0.75	0.0	2.93e-04	-5.36e-04
1750	156	6.28	8.35	-0.86	0.0	2.86e-04	6.17e-05
1750	161	-1.24	-13.32	-0.38	0.0	-5.39e-05	-4.62e-04
1750	177	9.65	-9.68	-0.74	0.0	2.86e-04	-5.22e-04
1750	188	6.18	8.32	-0.85	0.0	2.80e-04	6.36e-05
1750	193	-1.19	-13.30	-0.38	0.0	-5.21e-05	-4.61e-04

1750	209	11.21	-11.21	-0.77	0.0	3.26e-04	-6.01e-04
1750	220	7.16	9.80	-0.89	0.0	3.19e-04	8.06e-05
1750	225	-1.37	-15.55	-0.35	0.0	-6.47e-05	-5.43e-04
1751	4	0.52	0.25	-1.05	0.0	6.62e-05	-2.30e-05
1751	44	0.45	-2.16	-0.88	0.0	5.64e-05	-2.29e-05
1751	68	0.36	0.13	-0.74	0.0	4.61e-05	-1.66e-05
1751	88	0.31	-1.47	-0.62	0.0	3.95e-05	-1.66e-05
1751	98	0.29	-0.42	-0.60	0.0	3.63e-05	-1.60e-05
1751	105	0.28	-0.61	-0.56	0.0	3.44e-05	-1.55e-05
1751	107	0.28	-0.40	-0.57	0.0	3.46e-05	-1.55e-05
1751	113	8.86	-9.01	-0.73	0.0	2.21e-04	-4.83e-04
1751	124	5.72	7.57	-0.83	0.0	2.29e-04	5.01e-05
1751	129	-1.10	-12.20	-0.41	0.0	-4.18e-05	-4.11e-04
1751	145	9.94	-10.09	-0.75	0.0	2.44e-04	-5.42e-04
1751	156	6.41	8.57	-0.86	0.0	2.53e-04	5.88e-05
1751	161	-1.27	-13.69	-0.39	0.0	-5.12e-05	-4.62e-04
1751	177	9.80	-9.90	-0.75	0.0	2.39e-04	-5.28e-04
1751	188	6.31	8.54	-0.85	0.0	2.48e-04	6.08e-05
1751	193	-1.21	-13.66	-0.39	0.0	-4.96e-05	-4.61e-04
1751	209	11.39	-11.45	-0.77	0.0	2.71e-04	-6.10e-04
1751	220	7.30	10.06	-0.90	0.0	2.82e-04	7.72e-05
1751	225	-1.40	-15.97	-0.36	0.0	-6.17e-05	-5.44e-04
1752	15	-1.59e-03	1.59	-0.01	1.31e-04	0.0	5.68e-05
1752	19	1.00e-04	1.60	-9.22e-03	1.29e-04	0.0	5.83e-05
1752	28	-0.01	-0.64	-0.01	4.12e-05	0.0	-2.63e-05
1752	72	-1.39e-03	1.06	-9.14e-03	8.74e-05	0.0	3.75e-05
1752	80	-7.10e-03	-0.43	-8.45e-03	2.78e-05	0.0	-1.79e-05
1752	98	-5.96e-03	-0.01	-8.75e-03	5.82e-06	0.0	-5.37e-06
1752	102	-3.34e-03	0.21	-9.07e-03	2.05e-05	0.0	4.45e-06
1752	106	-3.82e-03	-6.40e-03	-9.05e-03	3.78e-06	0.0	-3.81e-06
1752	107	-5.66e-03	-9.64e-03	-8.79e-03	5.53e-06	0.0	-5.15e-06
1752	111	-1.93	0.69	-0.09	-3.10e-04	0.0	1.69e-04
1752	114	-1.93	2.33	-0.09	-1.04e-03	0.0	1.70e-04
1752	129	-0.46	-3.37	-0.03	1.49e-03	0.0	-1.40e-04
1752	143	-2.17	0.78	-0.10	-3.50e-04	0.0	1.91e-04
1752	146	-2.17	2.63	-0.10	-1.17e-03	0.0	1.92e-04
1752	161	-0.52	-3.80	-0.03	1.67e-03	0.0	-1.57e-04
1752	175	-2.09	0.77	-0.10	-3.50e-04	0.0	1.89e-04
1752	178	-2.08	2.60	-0.10	-1.16e-03	0.0	1.91e-04
1752	193	-0.52	-3.79	-0.03	1.67e-03	0.0	-1.59e-04
1752	207	-2.40	0.91	-0.11	-4.13e-04	0.0	2.23e-04
1752	210	-2.39	3.03	-0.11	-1.35e-03	0.0	2.24e-04
1752	225	-0.60	-4.44	-0.03	1.96e-03	0.0	-1.89e-04
1753	4	0.55	0.22	-1.07	0.0	6.37e-05	-2.30e-05
1753	44	0.47	-2.24	-0.89	0.0	5.43e-05	-2.12e-05
1753	68	0.38	0.11	-0.75	0.0	4.44e-05	-1.67e-05
1753	88	0.33	-1.52	-0.63	0.0	3.81e-05	-1.55e-05
1753	98	0.31	-0.45	-0.60	0.0	3.49e-05	-1.55e-05
1753	105	0.30	-0.64	-0.57	0.0	3.31e-05	-1.49e-05
1753	107	0.30	-0.43	-0.58	0.0	3.33e-05	-1.50e-05
1753	108	8.98	-3.73	-0.83	0.0	2.66e-04	-4.88e-04
1753	124	5.83	7.74	-0.84	0.0	2.17e-04	4.69e-05
1753	129	-1.12	-12.49	-0.41	0.0	-4.14e-05	-4.10e-04
1753	140	10.08	-4.15	-0.86	0.0	2.95e-04	-5.48e-04
1753	156	6.52	8.77	-0.87	0.0	2.40e-04	5.52e-05
1753	161	-1.29	-14.01	-0.39	0.0	-5.07e-05	-4.61e-04
1753	172	9.93	-4.04	-0.85	0.0	2.88e-04	-5.35e-04
1753	188	6.42	8.74	-0.86	0.0	2.35e-04	5.72e-05
1753	193	-1.23	-13.98	-0.39	0.0	-4.90e-05	-4.61e-04
1753	204	11.54	-4.63	-0.89	0.0	3.29e-04	-6.19e-04
1753	220	7.43	10.30	-0.91	0.0	2.67e-04	7.29e-05
1753	225	-1.43	-16.33	-0.36	0.0	-6.08e-05	-5.44e-04
1754	4	0.50	0.28	-1.09	0.0	6.88e-05	-2.37e-05
1754	44	0.43	-2.07	-0.90	0.0	5.81e-05	-2.15e-05
1754	68	0.35	0.16	-0.76	0.0	4.80e-05	-1.70e-05
1754	88	0.30	-1.41	-0.64	0.0	4.09e-05	-1.55e-05
1754	98	0.29	-0.38	-0.61	0.0	3.78e-05	-1.59e-05
1754	105	0.27	-0.57	-0.58	0.0	3.58e-05	-1.51e-05
1754	107	0.27	-0.37	-0.59	0.0	3.60e-05	-1.52e-05
1754	108	8.80	-3.61	-0.91	0.0	3.56e-04	-4.70e-04
1754	113	8.81	-8.81	-0.81	0.0	2.78e-04	-4.71e-04
1754	129	-1.01	-11.87	-0.40	0.0	-4.60e-05	-4.07e-04
1754	140	9.88	-4.02	-0.95	0.0	3.96e-04	-5.28e-04
1754	145	9.89	-9.87	-0.84	0.0	3.08e-04	-5.28e-04
1754	161	-1.17	-13.32	-0.38	0.0	-5.61e-05	-4.57e-04

1754	172	9.76	-3.93	-0.94	0.0	3.87e-04	-5.13e-04
1754	177	9.77	-9.68	-0.83	0.0	3.02e-04	-5.13e-04
1754	193	-1.11	-13.30	-0.38	0.0	-5.41e-05	-4.55e-04
1754	204	11.36	-4.51	-0.99	0.0	4.43e-04	-5.91e-04
1754	209	11.37	-11.21	-0.87	0.0	3.45e-04	-5.91e-04
1754	225	-1.28	-15.55	-0.34	0.0	-6.69e-05	-5.37e-04
1755	15	-4.62e-03	1.65	-0.01	1.47e-04	0.0	1.24e-04
1755	19	-1.90e-03	1.65	-9.04e-03	1.45e-04	0.0	1.25e-04
1755	28	-0.02	-0.66	-9.62e-03	3.62e-05	0.0	-4.63e-05
1755	72	-3.67e-03	1.10	-8.83e-03	9.82e-05	0.0	8.20e-05
1755	80	-0.01	-0.44	-7.60e-03	2.45e-05	0.0	-3.12e-05
1755	98	-9.55e-03	-0.01	-8.01e-03	5.93e-06	0.0	-5.35e-06
1755	102	-5.86e-03	0.21	-8.61e-03	2.27e-05	0.0	1.34e-05
1755	106	-6.41e-03	-8.69e-03	-8.56e-03	3.79e-06	0.0	-3.79e-06
1755	107	-9.10e-03	-0.01	-8.09e-03	5.62e-06	0.0	-5.13e-06
1755	108	1.92	-0.82	-0.10	3.64e-04	0.0	-1.81e-04
1755	111	-1.94	0.80	0.08	-3.53e-04	0.0	1.71e-04
1755	129	-0.47	-3.43	0.01	1.50e-03	0.0	-1.44e-04
1755	140	2.16	-0.93	-0.11	4.10e-04	0.0	-2.03e-04
1755	143	-2.18	0.90	0.09	-3.99e-04	0.0	1.93e-04
1755	161	-0.53	-3.87	0.02	1.69e-03	0.0	-1.61e-04
1755	172	2.07	-0.92	-0.10	4.08e-04	0.0	-2.02e-04
1755	175	-2.09	0.90	0.09	-3.97e-04	0.0	1.91e-04
1755	193	-0.53	-3.86	0.02	1.68e-03	0.0	-1.63e-04
1755	204	2.39	-1.08	-0.12	4.80e-04	0.0	-2.35e-04
1755	207	-2.40	1.06	0.10	-4.69e-04	0.0	2.25e-04
1755	225	-0.61	-4.53	0.02	1.98e-03	0.0	-1.94e-04
1756	15	7.61e-04	1.41	-0.01	4.65e-04	0.0	6.20e-05
1756	19	1.55e-03	1.41	-0.01	4.64e-04	0.0	6.35e-05
1756	52	-4.68e-03	-0.02	-0.01	1.02e-05	0.0	-8.67e-06
1756	72	3.64e-04	0.94	-9.90e-03	3.11e-04	0.0	4.10e-05
1756	92	-3.26e-03	-0.02	-9.13e-03	7.17e-06	0.0	-6.11e-06
1756	98	-2.79e-03	-0.01	-9.37e-03	5.99e-06	0.0	-5.15e-06
1756	102	-1.31e-03	0.18	-9.80e-03	6.53e-05	0.0	5.37e-06
1756	106	-1.73e-03	-8.15e-03	-9.77e-03	3.91e-06	0.0	-3.55e-06
1756	107	-2.64e-03	-0.01	-9.43e-03	5.69e-06	0.0	-4.92e-06
1756	111	-2.11	0.82	-0.08	-2.97e-04	1.83e-06	2.09e-04
1756	114	-2.11	2.77	-0.08	-1.00e-03	5.03e-06	2.09e-04
1756	129	-0.50	-4.00	-0.03	1.43e-03	-7.35e-06	-1.68e-04
1756	143	-2.38	0.92	-0.09	-3.36e-04	2.07e-06	2.36e-04
1756	146	-2.37	3.11	-0.09	-1.13e-03	5.66e-06	2.36e-04
1756	161	-0.56	-4.50	-0.03	1.61e-03	-8.25e-06	-1.89e-04
1756	175	-2.28	0.92	-0.09	-3.36e-04	2.07e-06	2.34e-04
1756	178	-2.28	3.08	-0.09	-1.11e-03	5.51e-06	2.34e-04
1756	193	-0.56	-4.49	-0.03	1.61e-03	-8.01e-06	-1.92e-04
1756	207	-2.63	1.08	-0.10	-3.97e-04	2.41e-06	2.75e-04
1756	210	-2.62	3.60	-0.10	-1.30e-03	6.42e-06	2.75e-04
1756	225	-0.65	-5.26	-0.03	1.89e-03	-9.38e-06	-2.28e-04
1757	15	-3.46e-03	1.60	-8.28e-03	-2.79e-04	0.0	9.82e-05
1757	19	-1.32e-03	1.60	-6.54e-03	-2.81e-04	0.0	9.97e-05
1757	28	-0.01	-0.61	-6.98e-03	1.64e-04	0.0	-3.82e-05
1757	72	-2.76e-03	1.06	-6.37e-03	-1.86e-04	0.0	6.51e-05
1757	80	-9.18e-03	-0.41	-5.50e-03	1.10e-04	0.0	-2.58e-05
1757	98	-7.50e-03	-0.01	-5.75e-03	6.02e-06	0.0	-5.00e-06
1757	102	-4.54e-03	0.21	-6.19e-03	-3.40e-05	0.0	1.02e-05
1757	106	-4.99e-03	-6.93e-03	-6.14e-03	3.87e-06	0.0	-3.58e-06
1757	107	-7.14e-03	-0.01	-5.81e-03	5.71e-06	0.0	-4.80e-06
1757	108	1.37	-0.66	-0.11	3.72e-04	0.0	-1.51e-04
1757	111	-1.38	0.64	0.10	-3.61e-04	0.0	1.42e-04
1757	129	-0.34	-2.74	0.02	1.56e-03	0.0	-1.21e-04
1757	140	1.54	-0.74	-0.13	4.19e-04	0.0	-1.70e-04
1757	143	-1.56	0.72	0.12	-4.07e-04	0.0	1.60e-04
1757	161	-0.38	-3.09	0.02	1.76e-03	0.0	-1.36e-04
1757	172	1.48	-0.74	-0.12	4.17e-04	0.0	-1.69e-04
1757	175	-1.49	0.72	0.11	-4.06e-04	0.0	1.59e-04
1757	193	-0.38	-3.08	0.02	1.76e-03	0.0	-1.38e-04
1757	204	1.70	-0.86	-0.14	4.90e-04	0.0	-1.97e-04
1757	207	-1.72	0.84	0.13	-4.78e-04	0.0	1.87e-04
1757	225	-0.44	-3.61	0.03	2.06e-03	0.0	-1.64e-04
1758	15	5.75e-03	1.12	-0.01	6.62e-04	0.0	3.29e-05
1758	18	7.66e-03	1.11	-0.01	6.65e-04	0.0	3.01e-05
1758	19	4.68e-03	1.12	-0.01	6.60e-04	0.0	3.43e-05
1758	72	4.10e-03	0.74	-0.01	4.41e-04	0.0	2.17e-05
1758	75	5.38e-03	0.74	-9.77e-03	4.44e-04	0.0	1.97e-05
1758	102	2.97e-03	0.14	-0.01	9.14e-05	0.0	1.73e-06

1758	103	3.80e-03	0.14	-9.79e-03	9.32e-05	0.0	0.0
1758	106	2.68e-03	-9.91e-03	-0.01	3.92e-06	0.0	-3.25e-06
1758	107	3.51e-03	-0.01	-9.76e-03	5.70e-06	0.0	-4.65e-06
1758	108	2.34	-0.97	0.06	3.03e-04	1.82e-06	-2.57e-04
1758	114	-2.33	3.19	-0.08	-9.81e-04	-4.27e-06	2.47e-04
1758	129	-0.54	-4.60	-0.02	1.40e-03	5.76e-06	-1.95e-04
1758	140	2.63	-1.09	0.06	3.41e-04	2.06e-06	-2.89e-04
1758	146	-2.62	3.59	-0.08	-1.11e-03	-4.81e-06	2.78e-04
1758	161	-0.61	-5.18	-0.03	1.58e-03	6.47e-06	-2.19e-04
1758	172	2.53	-1.09	0.06	3.40e-04	2.05e-06	-2.88e-04
1758	178	-2.52	3.55	-0.08	-1.09e-03	-4.70e-06	2.76e-04
1758	193	-0.61	-5.17	-0.03	1.58e-03	6.30e-06	-2.22e-04
1758	204	2.91	-1.28	0.07	4.01e-04	2.40e-06	-3.36e-04
1758	210	-2.90	4.15	-0.09	-1.28e-03	-5.47e-06	3.24e-04
1758	225	-0.71	-6.07	-0.03	1.85e-03	7.38e-06	-2.65e-04
1759	15	-2.97e-03	1.54	-8.38e-03	-2.80e-04	0.0	9.02e-05
1759	19	-1.00e-03	1.54	-6.50e-03	-2.81e-04	0.0	9.17e-05
1759	28	-0.01	-0.59	-7.71e-03	1.64e-04	0.0	-3.59e-05
1759	72	-2.39e-03	1.03	-6.47e-03	-1.86e-04	0.0	5.98e-05
1759	80	-8.48e-03	-0.39	-6.02e-03	1.09e-04	0.0	-2.42e-05
1759	98	-6.92e-03	-7.67e-03	-6.26e-03	5.55e-06	0.0	-5.00e-06
1759	102	-4.14e-03	0.20	-6.46e-03	-3.44e-05	0.0	9.10e-06
1759	106	-4.57e-03	-4.78e-03	-6.46e-03	3.57e-06	0.0	-3.58e-06
1759	107	-6.59e-03	-7.26e-03	-6.29e-03	5.27e-06	0.0	-4.80e-06
1759	111	-1.38	0.55	-0.11	-3.25e-04	0.0	1.42e-04
1759	114	-1.38	1.85	-0.11	-1.08e-03	0.0	1.44e-04
1759	129	-0.34	-2.69	-0.03	1.55e-03	0.0	-1.22e-04
1759	143	-1.56	0.62	-0.12	-3.67e-04	0.0	1.60e-04
1759	146	-1.55	2.09	-0.12	-1.22e-03	0.0	1.63e-04
1759	161	-0.38	-3.03	-0.03	1.74e-03	0.0	-1.37e-04
1759	175	-1.49	0.61	-0.12	-3.65e-04	0.0	1.59e-04
1759	178	-1.49	2.06	-0.12	-1.20e-03	0.0	1.62e-04
1759	193	-0.38	-3.02	-0.03	1.74e-03	0.0	-1.38e-04
1759	207	-1.72	0.72	-0.14	-4.32e-04	0.0	1.87e-04
1759	210	-1.71	2.41	-0.14	-1.41e-03	0.0	1.90e-04
1759	225	-0.44	-3.54	-0.04	2.04e-03	0.0	-1.64e-04
1760	15	0.01	0.77	-0.01	7.32e-04	0.0	4.77e-06
1760	28	0.02	-0.50	-0.01	-1.39e-04	0.0	-9.75e-06
1760	44	0.02	-0.81	-0.01	-2.39e-04	0.0	-8.65e-06
1760	72	9.25e-03	0.51	-0.01	4.88e-04	0.0	2.84e-06
1760	80	0.02	-0.34	-9.44e-03	-9.20e-05	0.0	-6.84e-06
1760	88	0.02	-0.54	-9.56e-03	-1.59e-04	0.0	-6.11e-06
1760	98	0.01	-0.02	-9.85e-03	6.02e-06	0.0	-5.62e-06
1760	102	8.87e-03	0.09	-0.01	1.01e-04	0.0	-2.44e-06
1760	105	0.01	-0.12	-9.87e-03	-2.73e-05	0.0	-5.39e-06
1760	106	8.78e-03	-0.01	-0.01	3.95e-06	0.0	-3.75e-06
1760	107	0.01	-0.02	-9.91e-03	5.72e-06	0.0	-5.36e-06
1760	113	2.58	-3.64	0.05	9.83e-04	0.0	-2.90e-04
1760	114	-2.56	3.61	-0.07	-9.71e-04	0.0	2.79e-04
1760	129	-0.58	-5.20	-0.02	1.39e-03	0.0	-2.21e-04
1760	145	2.90	-4.10	0.06	1.11e-03	0.0	-3.26e-04
1760	146	-2.88	4.06	-0.08	-1.09e-03	0.0	3.15e-04
1760	161	-0.66	-5.86	-0.03	1.57e-03	0.0	-2.49e-04
1760	177	2.79	-4.05	0.06	1.09e-03	0.0	-3.24e-04
1760	178	-2.76	4.02	-0.08	-1.08e-03	0.0	3.13e-04
1760	193	-0.66	-5.84	-0.03	1.56e-03	0.0	-2.52e-04
1760	209	3.21	-4.73	0.07	1.28e-03	0.0	-3.78e-04
1760	210	-3.18	4.69	-0.09	-1.27e-03	0.0	3.67e-04
1760	225	-0.76	-6.86	-0.03	1.84e-03	0.0	-3.00e-04
1761	15	0.01	0.77	-0.01	7.57e-04	0.0	-4.38e-06
1761	28	0.02	-0.50	-8.88e-03	-1.46e-04	0.0	-5.00e-06
1761	44	0.02	-0.81	-9.04e-03	-2.52e-04	0.0	-1.92e-06
1761	72	9.31e-03	0.51	-7.85e-03	5.05e-04	0.0	-3.18e-06
1761	80	0.02	-0.34	-6.98e-03	-9.73e-05	0.0	-3.59e-06
1761	88	0.02	-0.54	-7.09e-03	-1.68e-04	0.0	-1.54e-06
1761	98	0.01	-0.02	-7.30e-03	6.02e-06	0.0	-4.63e-06
1761	102	8.98e-03	0.09	-7.73e-03	1.04e-04	0.0	-3.01e-06
1761	105	0.01	-0.12	-7.33e-03	-2.91e-05	0.0	-3.71e-06
1761	106	8.90e-03	-0.01	-7.70e-03	3.89e-06	0.0	-2.97e-06
1761	107	0.01	-0.02	-7.36e-03	5.71e-06	0.0	-4.39e-06
1761	108	2.58	-1.20	-8.95e-03	3.27e-04	0.0	-2.92e-04
1761	113	2.58	-3.74	-8.38e-03	1.01e-03	0.0	-2.89e-04
1761	129	-0.58	-5.24	-6.43e-03	1.40e-03	0.0	-2.19e-04
1761	145	2.90	-4.21	-8.50e-03	1.14e-03	0.0	-3.25e-04
1761	156	1.98	4.14	-9.14e-03	-1.09e-03	0.0	1.75e-05

1761	161	-0.66	-5.90	-6.31e-03	1.57e-03	0.0	-2.47e-04
1761	177	2.79	-4.16	-8.38e-03	1.12e-03	0.0	-3.22e-04
1761	188	1.91	4.11	-9.08e-03	-1.09e-03	0.0	1.84e-05
1761	193	-0.66	-5.89	-6.30e-03	1.57e-03	0.0	-2.51e-04
1761	209	3.21	-4.86	-8.51e-03	1.31e-03	0.0	-3.77e-04
1761	220	2.20	4.80	-9.34e-03	-1.27e-03	0.0	2.38e-05
1761	225	-0.76	-6.91	-6.11e-03	1.84e-03	0.0	-2.99e-04
1762	15	-2.41e-03	1.44	-0.01	4.94e-04	0.0	5.70e-05
1762	19	-4.69e-04	1.45	-9.79e-03	4.92e-04	0.0	5.85e-05
1762	52	-0.01	-0.03	-0.01	1.01e-05	0.0	-8.68e-06
1762	72	-2.00e-03	0.96	-9.54e-03	3.30e-04	0.0	3.77e-05
1762	92	-8.06e-03	-0.02	-8.08e-03	7.05e-06	0.0	-6.12e-06
1762	98	-6.82e-03	-0.02	-8.49e-03	5.83e-06	0.0	-5.16e-06
1762	102	-3.95e-03	0.18	-9.28e-03	6.89e-05	0.0	4.69e-06
1762	106	-4.44e-03	-0.01	-9.21e-03	3.71e-06	0.0	-3.55e-06
1762	107	-6.48e-03	-0.02	-8.60e-03	5.53e-06	0.0	-4.93e-06
1762	108	2.10	-0.98	-0.08	3.58e-04	-4.21e-06	-2.18e-04
1762	111	-2.12	0.95	0.06	-3.47e-04	4.21e-06	2.08e-04
1762	129	-0.51	-4.06	9.53e-03	1.44e-03	6.43e-06	-1.67e-04
1762	140	2.37	-1.11	-0.09	4.03e-04	-4.73e-06	-2.45e-04
1762	143	-2.38	1.08	0.07	-3.92e-04	4.73e-06	2.35e-04
1762	161	-0.57	-4.57	0.01	1.63e-03	7.21e-06	-1.88e-04
1762	172	2.27	-1.10	-0.09	4.02e-04	-4.55e-06	-2.43e-04
1762	175	-2.28	1.07	0.07	-3.91e-04	4.55e-06	2.33e-04
1762	193	-0.57	-4.57	0.01	1.62e-03	6.95e-06	-1.90e-04
1762	204	2.62	-1.29	-0.10	4.73e-04	-5.28e-06	-2.84e-04
1762	207	-2.63	1.26	0.08	-4.62e-04	5.28e-06	2.74e-04
1762	225	-0.66	-5.36	0.02	1.91e-03	8.09e-06	-2.27e-04
1763	15	3.78e-03	1.13	-0.01	6.95e-04	0.0	1.68e-05
1763	18	4.36e-03	1.12	-0.01	6.98e-04	0.0	1.39e-05
1763	19	3.38e-03	1.14	-0.01	6.93e-04	0.0	1.82e-05
1763	72	2.65e-03	0.75	-9.88e-03	4.63e-04	0.0	1.09e-05
1763	75	3.03e-03	0.75	-8.95e-03	4.66e-04	0.0	8.97e-06
1763	102	1.42e-03	0.14	-9.61e-03	9.56e-05	0.0	0.0
1763	103	1.59e-03	0.14	-8.91e-03	9.74e-05	0.0	-1.85e-06
1763	106	1.11e-03	-0.01	-9.54e-03	3.63e-06	0.0	-3.28e-06
1763	107	1.28e-03	-0.02	-8.84e-03	5.44e-06	0.0	-4.69e-06
1763	108	2.34	-1.14	-0.07	3.54e-04	3.03e-06	-2.57e-04
1763	129	-0.55	-4.67	7.56e-03	1.41e-03	-5.25e-06	-1.94e-04
1763	140	2.63	-1.28	-0.08	3.98e-04	3.40e-06	-2.89e-04
1763	161	-0.61	-5.26	9.64e-03	1.59e-03	-5.89e-06	-2.19e-04
1763	172	2.52	-1.27	-0.08	3.97e-04	3.26e-06	-2.87e-04
1763	193	-0.61	-5.25	9.65e-03	1.59e-03	-5.68e-06	-2.22e-04
1763	204	2.91	-1.50	-0.09	4.67e-04	3.77e-06	-3.36e-04
1763	225	-0.71	-6.17	0.01	1.87e-03	-6.62e-06	-2.64e-04
1764	15	0.01	0.77	-0.01	7.79e-04	0.0	-1.33e-05
1764	28	0.02	-0.50	-0.01	-1.55e-04	0.0	0.0
1764	44	0.02	-0.81	-0.01	-2.65e-04	0.0	4.97e-06
1764	72	9.36e-03	0.51	-0.01	5.20e-04	0.0	-9.05e-06
1764	80	0.02	-0.34	-8.20e-03	-1.03e-04	0.0	0.0
1764	88	0.02	-0.54	-8.45e-03	-1.77e-04	0.0	3.16e-06
1764	102	9.08e-03	0.09	-9.75e-03	1.07e-04	0.0	-3.44e-06
1764	105	0.01	-0.12	-8.91e-03	-3.12e-05	0.0	-1.87e-06
1764	106	9.01e-03	-0.01	-9.68e-03	3.45e-06	0.0	-2.04e-06
1764	107	0.01	-0.02	-8.96e-03	5.23e-06	0.0	-3.24e-06
1764	108	2.58	-1.29	-0.07	3.55e-04	0.0	-2.91e-04
1764	113	2.58	-3.83	-0.07	1.04e-03	0.0	-2.89e-04
1764	129	-0.58	-5.28	7.04e-03	1.40e-03	0.0	-2.19e-04
1764	140	2.90	-1.45	-0.08	4.00e-04	0.0	-3.28e-04
1764	145	2.90	-4.31	-0.08	1.17e-03	0.0	-3.25e-04
1764	161	-0.66	-5.94	9.07e-03	1.58e-03	0.0	-2.47e-04
1764	172	2.78	-1.45	-0.08	3.99e-04	0.0	-3.26e-04
1764	177	2.79	-4.27	-0.08	1.15e-03	0.0	-3.22e-04
1764	193	-0.65	-5.93	9.08e-03	1.58e-03	0.0	-2.50e-04
1764	204	3.20	-1.70	-0.09	4.69e-04	0.0	-3.81e-04
1764	209	3.21	-4.98	-0.09	1.35e-03	0.0	-3.77e-04
1764	225	-0.76	-6.97	0.01	1.85e-03	0.0	-2.99e-04
1765	18	-1.49e-03	0.40	-1.18e-03	-9.99e-04	0.0	1.28e-04
1765	28	-2.85e-03	-0.15	-1.22e-03	3.62e-04	0.0	-4.38e-05
1765	75	-1.09e-03	0.27	-9.00e-04	-6.67e-04	0.0	8.52e-05
1765	80	-2.00e-03	-0.10	-9.27e-04	2.41e-04	0.0	-2.94e-05
1765	98	-1.55e-03	1.55e-03	-9.01e-04	-3.81e-06	0.0	-2.68e-06
1765	103	-1.37e-03	0.05	-8.95e-04	-1.36e-04	0.0	1.50e-05
1765	107	-1.47e-03	1.53e-03	-8.96e-04	-3.75e-06	0.0	-2.58e-06
1765	111	-0.22	0.09	-5.90e-03	-2.22e-04	0.0	3.43e-05

1765	130	0.05	0.63	3.02e-04	-1.57e-03	0.0	3.50e-05
1765	143	-0.24	0.10	-6.53e-03	-2.51e-04	0.0	3.89e-05
1765	162	0.06	0.71	4.54e-04	-1.77e-03	0.0	3.98e-05
1765	175	-0.23	0.10	-6.30e-03	-2.49e-04	0.0	3.87e-05
1765	194	0.06	0.70	4.52e-04	-1.76e-03	0.0	3.99e-05
1765	207	-0.27	0.12	-7.12e-03	-2.94e-04	0.0	4.57e-05
1765	226	0.07	0.82	6.61e-04	-2.06e-03	0.0	4.80e-05
1766	1	0.0	0.0	0.0	-6.02e-04	0.0	1.33e-05
1766	65	0.0	0.0	0.0	-4.02e-04	0.0	8.84e-06
1766	97	0.0	0.0	0.0	-3.38e-06	0.0	0.0
1766	106	0.0	0.0	0.0	-3.38e-06	0.0	0.0
1766	108	0.0	0.0	0.0	2.15e-04	0.0	-3.84e-06
1766	140	0.0	0.0	0.0	2.43e-04	0.0	-4.27e-06
1766	172	0.0	0.0	0.0	2.42e-04	0.0	-4.25e-06
1766	204	0.0	0.0	0.0	2.86e-04	0.0	-4.88e-06
1767	18	-2.12e-03	0.80	-1.69e-03	-1.00e-03	0.0	2.43e-04
1767	28	-4.12e-03	-0.29	-1.75e-03	3.62e-04	0.0	-8.23e-05
1767	75	-1.57e-03	0.53	-1.29e-03	-6.68e-04	0.0	1.61e-04
1767	80	-2.90e-03	-0.19	-1.33e-03	2.41e-04	0.0	-5.52e-05
1767	98	-2.28e-03	3.09e-03	-1.29e-03	-3.81e-06	0.0	-4.73e-06
1767	103	-2.02e-03	0.11	-1.28e-03	-1.36e-04	0.0	2.87e-05
1767	107	-2.18e-03	3.04e-03	-1.28e-03	-3.75e-06	0.0	-4.56e-06
1767	111	-0.39	0.18	-0.01	-2.22e-04	0.0	6.61e-05
1767	130	0.09	1.26	1.41e-03	-1.57e-03	0.0	6.89e-05
1767	143	-0.44	0.20	-0.01	-2.51e-04	0.0	7.50e-05
1767	162	0.11	1.41	1.75e-03	-1.77e-03	0.0	7.83e-05
1767	175	-0.42	0.20	-0.01	-2.49e-04	0.0	7.46e-05
1767	194	0.11	1.41	1.75e-03	-1.76e-03	0.0	7.84e-05
1767	207	-0.49	0.24	-0.02	-2.94e-04	0.0	8.81e-05
1767	226	0.12	1.65	2.21e-03	-2.06e-03	0.0	9.40e-05
1768	28	0.01	-0.38	-1.29	0.0	4.57e-06	-3.71e-06
1768	41	1.75e-03	-0.64	-0.72	0.0	0.0	-1.81e-06
1768	52	0.01	-1.28e-03	-1.21	0.0	5.25e-06	-3.94e-06
1768	80	6.87e-03	-0.26	-0.90	0.0	3.11e-06	-2.63e-06
1768	85	1.30e-03	-0.43	-0.52	0.0	0.0	-1.36e-06
1768	92	7.79e-03	-1.63e-03	-0.85	0.0	3.56e-06	-2.79e-06
1768	98	6.14e-03	-3.24e-03	-0.69	0.0	2.81e-06	-2.35e-06
1768	104	2.52e-03	-0.09	-0.45	0.0	1.15e-06	-1.58e-06
1768	106	2.82e-03	-5.23e-03	-0.43	0.0	1.30e-06	-1.63e-06
1768	107	5.66e-03	-3.53e-03	-0.66	0.0	2.60e-06	-2.25e-06
1768	112	4.46	-3.29e-03	-0.68	0.0	1.94e-03	-1.62e-04
1768	125	2.58	-2.95	-1.31	0.0	1.12e-03	-1.04e-04
1768	129	2.50	-2.96	-1.31	0.0	1.09e-03	-1.08e-04
1768	144	5.02	-5.04e-03	-0.69	0.0	2.19e-03	-1.83e-04
1768	157	2.91	-3.32	-1.39	0.0	1.27e-03	-1.17e-04
1768	161	2.83	-3.33	-1.39	0.0	1.23e-03	-1.22e-04
1768	176	5.06	-0.02	-0.69	0.0	2.20e-03	-1.80e-04
1768	193	2.90	-3.31	-1.38	0.0	1.26e-03	-1.22e-04
1768	208	5.97	-0.03	-0.70	0.0	2.60e-03	-2.10e-04
1768	225	3.48	-3.86	-1.51	0.0	1.51e-03	-1.45e-04
1769	15	-1.09e-03	0.47	-1.07e-03	-1.16e-03	0.0	9.71e-05
1769	28	-4.02e-03	-0.17	-1.12e-03	4.18e-04	0.0	-3.41e-05
1769	72	-8.61e-04	0.31	-8.20e-04	-7.74e-04	0.0	6.45e-05
1769	80	-2.82e-03	-0.11	-8.55e-04	2.78e-04	0.0	-2.29e-05
1769	98	-2.18e-03	-3.39e-05	-8.44e-04	0.0	0.0	-2.64e-06
1769	102	-1.36e-03	0.06	-8.28e-04	-1.55e-04	0.0	1.13e-05
1769	106	-1.48e-03	1.92e-04	-8.30e-04	0.0	0.0	-1.96e-06
1769	107	-2.08e-03	-1.66e-06	-8.42e-04	0.0	0.0	-2.54e-06
1769	111	-0.21	0.11	4.65e-03	-2.78e-04	0.0	3.41e-05
1769	113	0.21	-0.43	-6.35e-03	1.08e-03	0.0	-5.12e-05
1769	129	-0.06	-0.65	4.14e-04	1.61e-03	0.0	-3.87e-05
1769	143	-0.24	0.13	5.34e-03	-3.13e-04	0.0	3.87e-05
1769	145	0.23	-0.48	-7.04e-03	1.21e-03	0.0	-5.73e-05
1769	161	-0.06	-0.73	5.73e-04	1.82e-03	0.0	-4.33e-05
1769	175	-0.23	0.12	5.09e-03	-3.12e-04	0.0	3.85e-05
1769	177	0.22	-0.48	-6.79e-03	1.20e-03	0.0	-5.69e-05
1769	193	-0.06	-0.72	5.69e-04	1.81e-03	0.0	-4.35e-05
1769	207	-0.27	0.15	5.99e-03	-3.67e-04	0.0	4.55e-05
1769	209	0.26	-0.56	-7.69e-03	1.40e-03	0.0	-6.63e-05
1769	225	-0.07	-0.85	7.86e-04	2.12e-03	0.0	-5.13e-05
1770	1	0.0	0.0	0.0	-6.99e-04	0.0	1.29e-05
1770	65	0.0	0.0	0.0	-4.66e-04	0.0	8.56e-06
1770	97	0.0	0.0	0.0	0.0	0.0	0.0
1770	106	0.0	0.0	0.0	0.0	0.0	0.0
1770	108	0.0	0.0	0.0	2.78e-04	0.0	-3.81e-06

1770	140	0.0	0.0	0.0	3.13e-04	0.0	-4.24e-06
1770	172	0.0	0.0	0.0	3.12e-04	0.0	-4.21e-06
1770	204	0.0	0.0	0.0	3.67e-04	0.0	-4.85e-06
1771	15	-1.60e-03	0.93	-1.49e-03	-1.16e-03	0.0	1.56e-04
1771	28	-6.15e-03	-0.34	-1.54e-03	4.18e-04	0.0	-5.56e-05
1771	72	-1.27e-03	0.62	-1.15e-03	-7.75e-04	0.0	1.03e-04
1771	80	-4.31e-03	-0.22	-1.18e-03	2.79e-04	0.0	-3.74e-05
1771	98	-3.34e-03	-6.36e-05	-1.17e-03	0.0	0.0	-4.77e-06
1771	102	-2.05e-03	0.12	-1.15e-03	-1.55e-04	0.0	1.79e-05
1771	106	-2.24e-03	3.87e-04	-1.16e-03	0.0	0.0	-3.53e-06
1771	107	-3.18e-03	0.0	-1.17e-03	0.0	0.0	-4.59e-06
1771	111	-0.37	0.22	0.01	-2.78e-04	0.0	6.51e-05
1771	113	0.36	-0.86	-0.01	1.08e-03	0.0	-9.63e-05
1771	130	0.09	1.29	-3.96e-03	-1.61e-03	0.0	6.21e-05
1771	143	-0.42	0.25	0.01	-3.13e-04	0.0	7.40e-05
1771	145	0.41	-0.97	-0.01	1.21e-03	0.0	-1.08e-04
1771	162	0.10	1.45	-4.31e-03	-1.82e-03	0.0	7.07e-05
1771	175	-0.40	0.25	0.01	-3.12e-04	0.0	7.35e-05
1771	177	0.39	-0.96	-0.01	1.20e-03	0.0	-1.07e-04
1771	194	0.10	1.45	-4.30e-03	-1.81e-03	0.0	7.12e-05
1771	207	-0.46	0.29	0.01	-3.67e-04	0.0	8.68e-05
1771	209	0.45	-1.12	-0.02	1.40e-03	0.0	-1.25e-04
1771	226	0.12	1.70	-4.79e-03	-2.12e-03	0.0	8.57e-05
1772	28	7.75e-03	-0.32	-1.20	0.0	4.74e-06	-2.68e-06
1772	41	1.38e-03	-0.53	-0.69	0.0	0.0	-1.31e-06
1772	52	8.77e-03	-9.83e-03	-1.11	0.0	5.40e-06	-2.87e-06
1772	80	5.27e-03	-0.21	-0.83	0.0	3.23e-06	-1.90e-06
1772	85	1.03e-03	-0.35	-0.49	0.0	0.0	0.0
1772	92	5.95e-03	-7.53e-03	-0.77	0.0	3.67e-06	-2.03e-06
1772	98	4.69e-03	-7.95e-03	-0.63	0.0	2.90e-06	-1.72e-06
1772	104	1.93e-03	-0.08	-0.41	0.0	1.19e-06	-1.16e-06
1772	106	2.16e-03	-7.95e-03	-0.40	0.0	1.34e-06	-1.20e-06
1772	107	4.33e-03	-7.95e-03	-0.60	0.0	2.67e-06	-1.64e-06
1772	112	3.41	-8.64e-03	-0.63	0.0	2.04e-03	6.92e-05
1772	125	1.98	-2.22	-1.29	0.0	1.18e-03	-1.55e-05
1772	129	1.92	-2.22	-1.29	0.0	1.14e-03	-6.80e-05
1772	144	3.85	-0.01	-0.63	0.0	2.30e-03	7.81e-05
1772	161	2.17	-2.50	-1.38	0.0	1.29e-03	-7.65e-05
1772	176	3.87	-0.02	-0.63	0.0	2.31e-03	7.51e-05
1772	193	2.23	-2.48	-1.38	0.0	1.33e-03	-7.56e-05
1772	208	4.57	-0.03	-0.64	0.0	2.73e-03	8.69e-05
1772	225	2.67	-2.90	-1.51	0.0	1.59e-03	-8.89e-05
1773	15	3.86e-03	1.17	-0.03	4.31e-04	0.0	2.35e-04
1773	18	4.55e-03	1.17	-0.03	4.35e-04	0.0	2.30e-04
1773	19	3.51e-03	1.17	-0.02	4.28e-04	0.0	2.37e-04
1773	72	2.67e-03	0.78	-0.02	2.88e-04	0.0	1.56e-04
1773	75	3.13e-03	0.78	-0.02	2.91e-04	0.0	1.53e-04
1773	102	1.25e-03	0.16	-0.02	6.27e-05	0.0	2.61e-05
1773	103	1.49e-03	0.15	-0.02	6.49e-05	0.0	2.39e-05
1773	106	9.01e-04	-5.73e-04	-0.02	6.42e-06	0.0	-6.39e-06
1773	107	1.14e-03	-2.06e-03	-0.02	8.63e-06	0.0	-8.51e-06
1773	108	2.10	-0.53	-0.07	2.00e-04	0.0	-2.40e-04
1773	129	-0.49	-3.84	-7.57e-03	1.40e-03	0.0	-1.90e-04
1773	140	2.37	-0.60	-0.07	2.25e-04	0.0	-2.70e-04
1773	161	-0.56	-4.32	-5.98e-03	1.58e-03	0.0	-2.14e-04
1773	172	2.27	-0.60	-0.07	2.25e-04	0.0	-2.68e-04
1773	193	-0.56	-4.30	-5.94e-03	1.57e-03	0.0	-2.17e-04
1773	204	2.62	-0.71	-0.08	2.65e-04	0.0	-3.12e-04
1773	225	-0.64	-5.04	-3.70e-03	1.84e-03	0.0	-2.58e-04
1774	15	1.73e-03	1.35	-0.03	4.31e-04	0.0	3.63e-04
1774	20	2.16e-03	1.35	-0.02	4.29e-04	0.0	3.66e-04
1774	72	1.06e-03	0.90	-0.02	2.88e-04	0.0	2.42e-04
1774	73	1.17e-03	0.90	-0.02	2.89e-04	0.0	2.41e-04
1774	98	-9.39e-04	1.57e-03	-0.02	8.98e-06	0.0	-9.34e-06
1774	102	-4.09e-04	0.18	-0.02	6.28e-05	0.0	4.29e-05
1774	106	-7.77e-04	2.19e-03	-0.02	6.40e-06	0.0	-6.79e-06
1774	107	-9.16e-04	1.66e-03	-0.02	8.61e-06	0.0	-8.97e-06
1774	108	1.91	-0.45	-0.07	2.00e-04	0.0	-2.14e-04
1774	111	-1.91	0.45	0.03	-1.83e-04	0.0	1.96e-04
1774	130	0.45	3.24	-0.03	-1.39e-03	0.0	1.68e-04
1774	140	2.15	-0.50	-0.07	2.24e-04	0.0	-2.40e-04
1774	143	-2.15	0.51	0.03	-2.07e-04	0.0	2.22e-04
1774	162	0.51	3.64	-0.03	-1.56e-03	0.0	1.90e-04
1774	172	2.06	-0.50	-0.07	2.25e-04	0.0	-2.39e-04
1774	175	-2.07	0.51	0.03	-2.08e-04	0.0	2.21e-04

1774	194	0.51	3.63	-0.03	-1.56e-03	0.0	1.93e-04
1774	204	2.38	-0.59	-0.08	2.65e-04	0.0	-2.78e-04
1774	207	-2.38	0.60	0.04	-2.48e-04	0.0	2.60e-04
1774	226	0.59	4.25	-0.04	-1.83e-03	0.0	2.32e-04
1775	15	7.49e-03	0.99	-0.03	4.41e-04	0.0	1.09e-04
1775	19	5.84e-03	0.99	-0.02	4.38e-04	0.0	1.11e-04
1775	28	0.01	-0.52	-0.03	-4.41e-05	0.0	-4.60e-05
1775	72	5.38e-03	0.66	-0.02	2.94e-04	0.0	7.20e-05
1775	80	7.65e-03	-0.34	-0.02	-2.88e-05	0.0	-3.12e-05
1775	102	4.30e-03	0.13	-0.02	6.41e-05	0.0	9.86e-06
1775	105	5.73e-03	-0.12	-0.02	-4.41e-06	0.0	-1.50e-05
1775	106	4.02e-03	-3.36e-03	-0.02	6.48e-06	0.0	-5.67e-06
1775	107	5.44e-03	-5.81e-03	-0.02	8.71e-06	0.0	-7.67e-06
1775	108	2.34	-0.62	-0.07	2.00e-04	0.0	-2.70e-04
1775	129	-0.54	-4.45	-7.49e-03	1.40e-03	0.0	-2.05e-04
1775	140	2.64	-0.70	-0.08	2.25e-04	0.0	-3.03e-04
1775	161	-0.61	-5.01	-5.88e-03	1.58e-03	0.0	-2.31e-04
1775	172	2.53	-0.70	-0.07	2.25e-04	0.0	-3.01e-04
1775	193	-0.61	-4.99	-5.85e-03	1.57e-03	0.0	-2.34e-04
1775	204	2.91	-0.82	-0.08	2.66e-04	0.0	-3.52e-04
1775	225	-0.70	-5.84	-3.59e-03	1.84e-03	0.0	-2.79e-04
1776	15	0.01	0.79	-0.03	4.52e-04	0.0	1.17e-05
1776	28	0.02	-0.49	-0.03	-4.74e-05	0.0	-1.50e-05
1776	44	0.02	-0.81	-0.03	-9.07e-05	0.0	-1.55e-05
1776	72	8.85e-03	0.52	-0.02	3.02e-04	0.0	7.35e-06
1776	80	0.02	-0.33	-0.02	-3.10e-05	0.0	-1.05e-05
1776	88	0.01	-0.54	-0.02	-5.99e-05	0.0	-1.08e-05
1776	98	0.01	-0.01	-0.02	9.17e-06	0.0	-7.19e-06
1776	102	8.25e-03	0.10	-0.02	6.56e-05	0.0	-2.52e-06
1776	105	0.01	-0.12	-0.02	-5.08e-06	0.0	-7.53e-06
1776	106	8.10e-03	-6.22e-03	-0.02	6.55e-06	0.0	-4.99e-06
1776	107	0.01	-9.65e-03	-0.02	8.80e-06	0.0	-6.88e-06
1776	108	2.58	-0.71	-0.07	2.00e-04	0.0	-2.95e-04
1776	113	2.58	-3.25	-0.07	9.08e-04	0.0	-2.92e-04
1776	129	-0.58	-5.05	-7.49e-03	1.40e-03	0.0	-2.22e-04
1776	140	2.90	-0.80	-0.07	2.25e-04	0.0	-3.31e-04
1776	145	2.90	-3.66	-0.07	1.02e-03	0.0	-3.28e-04
1776	161	-0.66	-5.69	-5.88e-03	1.58e-03	0.0	-2.51e-04
1776	172	2.78	-0.80	-0.07	2.26e-04	0.0	-3.29e-04
1776	177	2.79	-3.62	-0.07	1.01e-03	0.0	-3.26e-04
1776	193	-0.66	-5.67	-5.85e-03	1.57e-03	0.0	-2.54e-04
1776	204	3.20	-0.94	-0.08	2.66e-04	0.0	-3.85e-04
1776	209	3.21	-4.22	-0.08	1.18e-03	0.0	-3.80e-04
1776	225	-0.76	-6.64	-3.59e-03	1.84e-03	0.0	-3.02e-04
1777	15	2.91e-03	1.30	-0.03	5.75e-04	0.0	1.94e-04
1777	19	2.92e-03	1.30	-0.02	5.73e-04	0.0	1.96e-04
1777	20	3.09e-03	1.30	-0.02	5.74e-04	0.0	1.96e-04
1777	72	1.97e-03	0.87	-0.02	3.84e-04	0.0	1.29e-04
1777	73	2.09e-03	0.87	-0.02	3.84e-04	0.0	1.28e-04
1777	102	4.74e-04	0.17	-0.02	8.11e-05	0.0	2.07e-05
1777	106	1.00e-04	-4.37e-03	-0.02	5.37e-06	0.0	-6.31e-06
1777	107	-3.07e-05	-7.12e-03	-0.02	7.40e-06	0.0	-8.42e-06
1777	111	-2.10	0.67	-0.03	-2.35e-04	0.0	2.22e-04
1777	114	-2.10	2.61	-0.03	-9.32e-04	0.0	2.23e-04
1777	129	-0.50	-3.92	-0.01	1.40e-03	0.0	-1.86e-04
1777	143	-2.37	0.76	-0.03	-2.66e-04	0.0	2.51e-04
1777	146	-2.36	2.94	-0.03	-1.05e-03	0.0	2.53e-04
1777	161	-0.56	-4.41	-0.01	1.57e-03	0.0	-2.09e-04
1777	175	-2.27	0.76	-0.03	-2.66e-04	0.0	2.49e-04
1777	178	-2.27	2.91	-0.03	-1.04e-03	0.0	2.51e-04
1777	193	-0.56	-4.40	-0.01	1.57e-03	0.0	-2.13e-04
1777	207	-2.62	0.89	-0.03	-3.16e-04	0.0	2.94e-04
1777	210	-2.61	3.40	-0.03	-1.22e-03	0.0	2.95e-04
1777	225	-0.65	-5.16	-0.01	1.84e-03	0.0	-2.53e-04
1778	15	1.45e-03	1.54	-0.03	5.75e-04	0.0	2.23e-04
1778	19	2.01e-03	1.54	-0.02	5.72e-04	0.0	2.26e-04
1778	51	-3.42e-03	-7.56e-03	-0.02	1.24e-05	0.0	-1.50e-05
1778	72	8.82e-04	1.03	-0.02	3.84e-04	0.0	1.48e-04
1778	91	-2.37e-03	-5.18e-03	-0.02	8.75e-06	0.0	-1.07e-05
1778	98	-2.01e-03	-4.24e-03	-0.02	7.73e-06	0.0	-9.59e-06
1778	102	-7.62e-04	0.20	-0.02	8.10e-05	0.0	2.40e-05
1778	106	-1.17e-03	-2.06e-03	-0.02	5.36e-06	0.0	-6.99e-06
1778	107	-1.89e-03	-3.93e-03	-0.02	7.39e-06	0.0	-9.22e-06
1778	111	-1.94	0.57	-0.02	-2.35e-04	0.0	1.90e-04
1778	114	-1.93	2.21	-0.03	-9.32e-04	0.0	2.40e-04

1778	129	-0.46	-3.31	-0.02	1.40e-03	0.0	-1.66e-04
1778	143	-2.18	0.64	-0.03	-2.66e-04	0.0	2.15e-04
1778	146	-2.17	2.49	-0.03	-1.05e-03	0.0	2.72e-04
1778	161	-0.52	-3.73	-0.02	1.57e-03	0.0	-1.86e-04
1778	175	-2.09	0.64	-0.03	-2.66e-04	0.0	2.14e-04
1778	178	-2.09	2.46	-0.03	-1.04e-03	0.0	2.71e-04
1778	193	-0.52	-3.72	-0.02	1.57e-03	0.0	-1.89e-04
1778	207	-2.41	0.76	-0.03	-3.16e-04	0.0	2.52e-04
1778	210	-2.40	2.87	-0.03	-1.22e-03	0.0	3.20e-04
1778	225	-0.60	-4.36	-0.02	1.84e-03	0.0	-2.24e-04
1779	15	6.87e-03	1.05	-0.03	5.90e-04	0.0	1.11e-04
1779	19	5.43e-03	1.05	-0.02	5.88e-04	0.0	1.13e-04
1779	28	9.71e-03	-0.54	-0.02	-9.19e-05	0.0	-4.62e-05
1779	72	4.93e-03	0.70	-0.02	3.94e-04	0.0	7.35e-05
1779	80	6.83e-03	-0.36	-0.02	-6.08e-05	0.0	-3.13e-05
1779	102	3.85e-03	0.13	-0.02	8.31e-05	0.0	1.03e-05
1779	105	5.07e-03	-0.13	-0.02	-1.59e-05	0.0	-1.49e-05
1779	106	3.57e-03	-6.69e-03	-0.02	5.41e-06	0.0	-5.48e-06
1779	107	4.78e-03	-0.01	-0.02	7.45e-06	0.0	-7.44e-06
1779	108	2.34	-0.79	-0.01	2.49e-04	0.0	-2.70e-04
1779	114	-2.33	3.02	-0.03	-9.31e-04	0.0	2.54e-04
1779	129	-0.54	-4.52	-0.01	1.40e-03	0.0	-2.05e-04
1779	140	2.63	-0.90	-9.39e-03	2.80e-04	0.0	-3.03e-04
1779	146	-2.62	3.40	-0.03	-1.05e-03	0.0	2.88e-04
1779	161	-0.61	-5.09	-0.01	1.57e-03	0.0	-2.31e-04
1779	172	2.53	-0.89	-9.72e-03	2.80e-04	0.0	-3.01e-04
1779	178	-2.52	3.36	-0.03	-1.04e-03	0.0	2.85e-04
1779	193	-0.61	-5.08	-0.01	1.57e-03	0.0	-2.35e-04
1779	204	2.91	-1.05	-8.16e-03	3.30e-04	0.0	-3.52e-04
1779	210	-2.90	3.92	-0.03	-1.21e-03	0.0	3.36e-04
1779	225	-0.71	-5.95	-0.01	1.84e-03	0.0	-2.79e-04
1780	15	0.01	0.78	-0.03	6.07e-04	0.0	1.07e-05
1780	28	0.02	-0.50	-0.02	-9.70e-05	0.0	-1.39e-05
1780	44	0.02	-0.81	-0.02	-1.72e-04	0.0	-1.42e-05
1780	72	9.03e-03	0.52	-0.02	4.05e-04	0.0	6.69e-06
1780	80	0.02	-0.33	-0.02	-6.41e-05	0.0	-9.71e-06
1780	88	0.02	-0.54	-0.02	-1.14e-04	0.0	-9.91e-06
1780	98	0.01	-0.01	-0.02	7.84e-06	0.0	-6.80e-06
1780	102	8.53e-03	0.10	-0.02	8.54e-05	0.0	-2.41e-06
1780	105	0.01	-0.12	-0.02	-1.69e-05	0.0	-7.05e-06
1780	106	8.40e-03	-9.06e-03	-0.02	5.45e-06	0.0	-4.68e-06
1780	107	0.01	-0.01	-0.02	7.50e-06	0.0	-6.50e-06
1780	113	2.58	-3.45	-7.66e-03	9.44e-04	0.0	-2.92e-04
1780	114	-2.56	3.42	-0.03	-9.29e-04	0.0	2.79e-04
1780	129	-0.58	-5.13	-0.01	1.39e-03	0.0	-2.22e-04
1780	145	2.90	-3.88	-6.18e-03	1.06e-03	0.0	-3.28e-04
1780	146	-2.88	3.85	-0.03	-1.05e-03	0.0	3.15e-04
1780	161	-0.66	-5.77	-0.01	1.57e-03	0.0	-2.50e-04
1780	177	2.79	-3.83	-6.60e-03	1.05e-03	0.0	-3.26e-04
1780	178	-2.76	3.81	-0.03	-1.04e-03	0.0	3.13e-04
1780	193	-0.66	-5.75	-0.01	1.57e-03	0.0	-2.54e-04
1780	209	3.21	-4.47	-4.56e-03	1.23e-03	0.0	-3.80e-04
1780	210	-3.18	4.45	-0.03	-1.21e-03	0.0	3.67e-04
1780	225	-0.76	-6.75	-0.01	1.84e-03	0.0	-3.02e-04
1781	15	-9.34e-03	0.23	-8.10e-03	-5.22e-04	0.0	-2.40e-04
1781	28	-0.03	-0.09	-0.02	2.20e-04	0.0	8.49e-05
1781	72	-7.20e-03	0.15	-6.24e-03	-3.48e-04	0.0	-1.60e-04
1781	80	-0.02	-0.06	-0.01	1.47e-04	0.0	5.71e-05
1781	98	-0.02	7.70e-04	-0.01	0.0	0.0	5.75e-06
1781	102	-9.88e-03	0.03	-7.90e-03	-7.11e-05	0.0	-2.84e-05
1781	106	-0.01	1.15e-03	-8.32e-03	-1.91e-06	0.0	4.50e-06
1781	107	-0.01	8.24e-04	-0.01	0.0	0.0	5.57e-06
1781	111	-0.23	0.26	-9.66e-03	-6.53e-04	0.0	2.89e-05
1781	129	-0.08	-0.67	-0.02	1.67e-03	0.0	5.57e-05
1781	130	0.05	0.67	-2.92e-03	-1.67e-03	0.0	-4.46e-05
1781	143	-0.25	0.29	-9.49e-03	-7.36e-04	0.0	3.18e-05
1781	161	-0.09	-0.75	-0.02	1.88e-03	0.0	6.19e-05
1781	162	0.06	0.75	-1.89e-03	-1.88e-03	0.0	-5.07e-05
1781	175	-0.24	0.29	-9.51e-03	-7.31e-04	0.0	3.12e-05
1781	193	-0.09	-0.75	-0.02	1.88e-03	0.0	6.03e-05
1781	194	0.06	0.75	-1.94e-03	-1.89e-03	0.0	-4.91e-05
1781	207	-0.28	0.34	-9.24e-03	-8.57e-04	0.0	3.54e-05
1781	225	-0.10	-0.89	-0.02	2.22e-03	0.0	6.90e-05
1781	226	0.07	0.89	-3.61e-04	-2.22e-03	0.0	-5.79e-05
1782	1	0.0	0.0	0.0	-3.29e-04	0.0	-2.59e-05

1782	65	0.0	0.0	0.0	-2.20e-04	0.0	-1.72e-05
1782	97	0.0	0.0	0.0	-2.30e-06	0.0	0.0
1782	106	0.0	0.0	0.0	-2.30e-06	0.0	0.0
1782	108	0.0	0.0	0.0	6.51e-04	0.0	-1.46e-06
1782	140	0.0	0.0	0.0	7.33e-04	0.0	-1.76e-06
1782	172	0.0	0.0	0.0	7.28e-04	0.0	-1.71e-06
1782	204	0.0	0.0	0.0	8.55e-04	0.0	-2.15e-06
1783	15	-0.02	0.44	-0.01	-4.56e-04	0.0	-4.38e-04
1783	28	-0.05	-0.18	-0.04	2.03e-04	0.0	1.52e-04
1783	72	-0.01	0.29	-0.01	-3.04e-04	0.0	-2.91e-04
1783	80	-0.03	-0.12	-0.03	1.35e-04	0.0	1.02e-04
1783	98	-0.03	9.90e-04	-0.02	0.0	0.0	9.30e-06
1783	102	-0.02	0.06	-0.01	-6.15e-05	0.0	-5.24e-05
1783	106	-0.02	1.88e-03	-0.01	0.0	0.0	7.38e-06
1783	107	-0.03	1.12e-03	-0.02	0.0	0.0	9.03e-06
1783	111	-0.50	0.52	-0.02	-6.52e-04	0.0	6.12e-05
1783	129	-0.16	-1.33	-0.04	1.67e-03	0.0	9.59e-05
1783	130	0.11	1.34	-1.80e-03	-1.67e-03	0.0	-7.78e-05
1783	143	-0.56	0.59	-0.02	-7.35e-04	0.0	6.76e-05
1783	161	-0.18	-1.50	-0.04	1.88e-03	0.0	1.06e-04
1783	162	0.13	1.51	5.03e-04	-1.88e-03	0.0	-8.84e-05
1783	175	-0.54	0.58	-0.02	-7.30e-04	0.0	6.68e-05
1783	193	-0.18	-1.51	-0.04	1.89e-03	0.0	1.03e-04
1783	194	0.13	1.51	4.57e-04	-1.89e-03	0.0	-8.51e-05
1783	207	-0.61	0.69	-0.01	-8.57e-04	0.0	7.66e-05
1783	225	-0.20	-1.78	-0.04	2.22e-03	0.0	1.18e-04
1783	226	0.15	1.78	4.01e-03	-2.22e-03	0.0	-9.98e-05
1784	15	-0.02	0.61	-0.02	-3.61e-04	0.0	-5.76e-04
1784	28	-0.07	-0.26	-0.05	1.79e-04	0.0	1.99e-04
1784	72	-0.02	0.40	-0.02	-2.41e-04	0.0	-3.83e-04
1784	80	-0.05	-0.17	-0.04	1.19e-04	0.0	1.34e-04
1784	98	-0.04	4.67e-04	-0.03	2.47e-06	0.0	1.18e-05
1784	102	-0.02	0.08	-0.02	-4.77e-05	0.0	-6.90e-05
1784	106	-0.03	2.03e-03	-0.02	0.0	0.0	9.47e-06
1784	107	-0.04	6.91e-04	-0.03	2.20e-06	0.0	1.15e-05
1784	111	-0.91	0.78	-0.02	-6.50e-04	0.0	9.52e-05
1784	129	-0.27	-2.00	-0.06	1.67e-03	0.0	1.17e-04
1784	130	0.20	2.01	9.30e-04	-1.67e-03	0.0	-9.40e-05
1784	143	-1.02	0.88	-0.02	-7.33e-04	0.0	1.06e-04
1784	161	-0.30	-2.26	-0.06	1.89e-03	0.0	1.30e-04
1784	162	0.23	2.26	4.56e-03	-1.88e-03	0.0	-1.07e-04
1784	175	-0.98	0.88	-0.02	-7.28e-04	0.0	1.05e-04
1784	193	-0.30	-2.26	-0.06	1.89e-03	0.0	1.25e-04
1784	194	0.23	2.27	4.52e-03	-1.89e-03	0.0	-1.02e-04
1784	207	-1.12	1.03	-0.02	-8.55e-04	0.0	1.21e-04
1784	225	-0.35	-2.67	-0.07	2.23e-03	0.0	1.42e-04
1784	226	0.28	2.67	0.01	-2.22e-03	0.0	-1.19e-04
1785	19	-4.50e-03	0.37	-1.96e-03	-8.05e-04	0.0	-2.43e-04
1785	28	-0.03	-0.14	-4.83e-03	3.18e-04	0.0	8.33e-05
1785	72	-6.60e-03	0.24	-2.18e-03	-5.36e-04	0.0	-1.61e-04
1785	80	-0.02	-0.09	-3.51e-03	2.12e-04	0.0	5.59e-05
1785	98	-0.01	-2.06e-03	-3.02e-03	5.19e-06	0.0	4.86e-06
1785	102	-9.03e-03	0.05	-2.44e-03	-1.05e-04	0.0	-2.91e-05
1785	107	-0.01	-1.92e-03	-2.95e-03	4.84e-06	0.0	4.71e-06
1785	111	-0.22	0.25	-4.65e-03	-6.10e-04	0.0	3.11e-05
1785	127	-0.17	-0.44	-4.84e-03	1.09e-03	0.0	5.56e-05
1785	129	-0.07	-0.69	-4.14e-03	1.72e-03	0.0	4.74e-05
1785	143	-0.25	0.28	-4.86e-03	-6.89e-04	0.0	3.44e-05
1785	159	-0.19	-0.50	-5.07e-03	1.23e-03	0.0	6.19e-05
1785	161	-0.08	-0.78	-4.29e-03	1.94e-03	0.0	5.26e-05
1785	175	-0.24	0.27	-4.75e-03	-6.84e-04	0.0	3.40e-05
1785	191	-0.18	-0.49	-5.02e-03	1.23e-03	0.0	6.04e-05
1785	193	-0.08	-0.78	-4.31e-03	1.94e-03	0.0	5.09e-05
1785	207	-0.27	0.32	-4.99e-03	-8.03e-04	0.0	3.89e-05
1785	223	-0.21	-0.58	-5.34e-03	1.43e-03	0.0	6.94e-05
1785	225	-0.09	-0.92	-4.54e-03	2.28e-03	0.0	5.81e-05
1786	1	0.0	0.0	0.0	-5.09e-04	0.0	-2.59e-05
1786	65	0.0	0.0	0.0	-3.39e-04	0.0	-1.72e-05
1786	97	0.0	0.0	0.0	2.73e-06	0.0	0.0
1786	106	0.0	0.0	0.0	2.73e-06	0.0	0.0
1786	108	0.0	0.0	0.0	6.21e-04	0.0	-1.82e-06
1786	140	0.0	0.0	0.0	7.00e-04	0.0	-2.15e-06
1786	172	0.0	0.0	0.0	6.95e-04	0.0	-2.11e-06
1786	204	0.0	0.0	0.0	8.15e-04	0.0	-2.61e-06
1787	19	-8.32e-03	0.69	-3.47e-03	-6.78e-04	0.0	-4.49e-04

1787	28	-0.05	-0.27	-8.60e-03	2.80e-04	0.0	1.53e-04
1787	72	-0.01	0.46	-3.87e-03	-4.51e-04	0.0	-2.97e-04
1787	80	-0.03	-0.18	-6.24e-03	1.87e-04	0.0	1.03e-04
1787	98	-0.02	-4.14e-03	-5.37e-03	5.37e-06	0.0	8.76e-06
1787	102	-0.02	0.09	-4.31e-03	-8.79e-05	0.0	-5.38e-05
1787	107	-0.02	-3.86e-03	-5.23e-03	5.02e-06	0.0	8.51e-06
1787	111	-0.48	0.49	-7.82e-03	-6.06e-04	0.0	6.39e-05
1787	127	-0.36	-0.88	-8.07e-03	1.08e-03	0.0	1.09e-04
1787	129	-0.15	-1.38	-7.02e-03	1.71e-03	0.0	9.00e-05
1787	143	-0.54	0.55	-8.14e-03	-6.84e-04	0.0	7.08e-05
1787	159	-0.40	-0.99	-8.43e-03	1.22e-03	0.0	1.21e-04
1787	161	-0.17	-1.56	-7.25e-03	1.92e-03	0.0	9.99e-05
1787	175	-0.52	0.55	-7.96e-03	-6.79e-04	0.0	7.01e-05
1787	191	-0.39	-0.98	-8.35e-03	1.21e-03	0.0	1.18e-04
1787	193	-0.17	-1.56	-7.27e-03	1.93e-03	0.0	9.64e-05
1787	207	-0.59	0.64	-8.34e-03	-7.98e-04	0.0	8.05e-05
1787	223	-0.44	-1.15	-8.84e-03	1.42e-03	0.0	1.36e-04
1787	225	-0.19	-1.83	-7.62e-03	2.27e-03	0.0	1.10e-04
1788	19	-0.01	0.94	-4.83e-03	-4.96e-04	0.0	-5.80e-04
1788	28	-0.07	-0.37	-0.01	2.26e-04	0.0	1.99e-04
1788	72	-0.02	0.62	-5.39e-03	-3.29e-04	0.0	-3.83e-04
1788	80	-0.05	-0.25	-8.73e-03	1.51e-04	0.0	1.34e-04
1788	98	-0.04	-6.32e-03	-7.51e-03	5.74e-06	0.0	1.17e-05
1788	102	-0.02	0.12	-6.00e-03	-6.33e-05	0.0	-6.92e-05
1788	107	-0.04	-5.90e-03	-7.31e-03	5.37e-06	0.0	1.14e-05
1788	111	-0.91	0.73	-6.06e-03	-6.00e-04	0.0	9.69e-05
1788	129	-0.27	-2.06	-9.50e-03	1.68e-03	0.0	1.13e-04
1788	133	0.54	-1.84	-9.66e-03	1.51e-03	0.0	1.00e-04
1788	143	-1.02	0.83	-5.90e-03	-6.77e-04	0.0	1.08e-04
1788	161	-0.30	-2.32	-9.78e-03	1.90e-03	0.0	1.26e-04
1788	165	0.61	-2.06	-9.95e-03	1.69e-03	0.0	1.11e-04
1788	175	-0.98	0.82	-5.90e-03	-6.72e-04	0.0	1.07e-04
1788	193	-0.30	-2.33	-9.80e-03	1.90e-03	0.0	1.21e-04
1788	201	0.51	-2.04	-9.92e-03	1.68e-03	0.0	1.06e-04
1788	207	-1.12	0.96	-5.64e-03	-7.90e-04	0.0	1.23e-04
1788	217	0.74	-2.33	-0.01	1.92e-03	0.0	-3.10e-05
1788	225	-0.35	-2.74	-0.01	2.24e-03	0.0	1.37e-04
1789	19	-3.66e-03	0.50	-1.80e-03	-1.08e-03	0.0	-2.50e-04
1789	28	-0.02	-0.19	-3.17e-03	4.11e-04	0.0	8.47e-05
1789	72	-5.36e-03	0.34	-1.88e-03	-7.17e-04	0.0	-1.65e-04
1789	80	-0.02	-0.13	-2.36e-03	2.75e-04	0.0	5.68e-05
1789	98	-0.01	-4.61e-03	-2.20e-03	1.04e-05	0.0	4.61e-06
1789	102	-7.33e-03	0.06	-1.96e-03	-1.38e-04	0.0	-3.01e-05
1789	107	-0.01	-4.40e-03	-2.17e-03	9.93e-06	0.0	4.48e-06
1789	111	-0.22	0.23	-0.03	-5.70e-04	0.0	3.20e-05
1789	114	-0.21	0.56	-0.03	-1.38e-03	0.0	6.76e-06
1789	129	-0.07	-0.72	-7.61e-03	1.77e-03	0.0	4.47e-05
1789	143	-0.25	0.26	-0.03	-6.44e-04	0.0	3.54e-05
1789	146	-0.24	0.63	-0.03	-1.56e-03	0.0	7.08e-06
1789	161	-0.08	-0.81	-8.30e-03	1.99e-03	0.0	4.96e-05
1789	175	-0.24	0.26	-0.03	-6.39e-04	0.0	3.50e-05
1789	178	-0.23	0.62	-0.03	-1.54e-03	0.0	7.35e-06
1789	193	-0.08	-0.81	-8.28e-03	1.99e-03	0.0	4.79e-05
1789	207	-0.27	0.30	-0.03	-7.52e-04	0.0	4.02e-05
1789	210	-0.26	0.73	-0.03	-1.80e-03	0.0	8.01e-06
1789	225	-0.09	-0.95	-9.23e-03	2.34e-03	0.0	5.46e-05
1790	1	0.0	0.0	0.0	-6.83e-04	0.0	-2.46e-05
1790	65	0.0	0.0	0.0	-4.55e-04	0.0	-1.64e-05
1790	97	0.0	0.0	0.0	7.16e-06	0.0	0.0
1790	106	0.0	0.0	0.0	7.16e-06	0.0	0.0
1790	108	0.0	0.0	0.0	5.92e-04	0.0	-1.94e-06
1790	140	0.0	0.0	0.0	6.66e-04	0.0	-2.29e-06
1790	172	0.0	0.0	0.0	6.61e-04	0.0	-2.25e-06
1790	204	0.0	0.0	0.0	7.74e-04	0.0	-2.77e-06
1791	19	-7.00e-03	0.96	-3.09e-03	-8.87e-04	0.0	-4.79e-04
1791	28	-0.04	-0.36	-5.17e-03	3.52e-04	0.0	1.62e-04
1791	72	-0.01	0.64	-3.20e-03	-5.89e-04	0.0	-3.17e-04
1791	80	-0.03	-0.24	-3.87e-03	2.35e-04	0.0	1.09e-04
1791	98	-0.02	-9.04e-03	-3.66e-03	9.78e-06	0.0	8.61e-06
1791	102	-0.01	0.12	-3.31e-03	-1.13e-04	0.0	-5.79e-05
1791	107	-0.02	-8.62e-03	-3.61e-03	9.30e-06	0.0	8.36e-06
1791	111	-0.46	0.46	-0.05	-5.65e-04	0.0	6.55e-05
1791	129	-0.14	-1.43	-0.01	1.74e-03	0.0	8.85e-05
1791	143	-0.51	0.51	-0.06	-6.38e-04	0.0	7.26e-05
1791	161	-0.16	-1.61	-0.02	1.96e-03	0.0	9.82e-05

1791	175	-0.49	0.51	-0.06	-6.34e-04	0.0	7.18e-05
1791	193	-0.16	-1.61	-0.02	1.96e-03	0.0	9.46e-05
1791	207	-0.56	0.60	-0.06	-7.46e-04	0.0	8.26e-05
1791	225	-0.18	-1.89	-0.02	2.31e-03	0.0	1.08e-04
1792	19	-0.01	1.27	-4.98e-03	-6.17e-04	0.0	-5.88e-04
1792	28	-0.07	-0.49	-7.83e-03	2.69e-04	0.0	2.01e-04
1792	72	-0.02	0.85	-5.11e-03	-4.09e-04	0.0	-3.89e-04
1792	80	-0.05	-0.33	-5.89e-03	1.80e-04	0.0	1.35e-04
1792	98	-0.04	-0.01	-5.66e-03	8.88e-06	0.0	1.17e-05
1792	102	-0.02	0.16	-5.24e-03	-7.73e-05	0.0	-7.03e-05
1792	107	-0.03	-0.01	-5.61e-03	8.42e-06	0.0	1.13e-05
1792	111	-0.92	0.68	-0.09	-5.56e-04	0.0	9.77e-05
1792	114	-0.90	1.65	-0.09	-1.34e-03	0.0	3.14e-05
1792	129	-0.27	-2.12	-0.02	1.70e-03	0.0	1.12e-04
1792	143	-1.03	0.77	-0.10	-6.28e-04	0.0	1.09e-04
1792	146	-1.01	1.86	-0.10	-1.51e-03	0.0	3.40e-05
1792	161	-0.31	-2.38	-0.03	1.91e-03	0.0	1.24e-04
1792	175	-0.99	0.76	-0.10	-6.24e-04	0.0	1.08e-04
1792	178	-0.97	1.84	-0.10	-1.49e-03	0.0	3.48e-05
1792	193	-0.31	-2.39	-0.03	1.91e-03	0.0	1.19e-04
1792	207	-1.13	0.90	-0.11	-7.34e-04	0.0	1.24e-04
1792	210	-1.11	2.15	-0.11	-1.74e-03	0.0	3.93e-05
1792	225	-0.35	-2.80	-0.03	2.25e-03	0.0	1.35e-04
1793	15	-0.03	0.74	-0.03	-2.37e-04	0.0	-6.41e-04
1793	28	-0.07	-0.33	-0.07	1.47e-04	0.0	2.22e-04
1793	72	-0.02	0.50	-0.02	-1.58e-04	0.0	-4.26e-04
1793	80	-0.05	-0.22	-0.05	9.81e-05	0.0	1.49e-04
1793	98	-0.04	-1.06e-03	-0.04	4.79e-06	0.0	1.37e-05
1793	102	-0.03	0.10	-0.03	-2.97e-05	0.0	-7.64e-05
1793	106	-0.03	1.46e-03	-0.03	2.38e-06	0.0	1.10e-05
1793	107	-0.04	-7.01e-04	-0.04	4.44e-06	0.0	1.33e-05
1793	111	-1.39	1.08	-0.02	-6.46e-04	0.0	1.38e-04
1793	129	-0.39	-2.76	-0.07	1.67e-03	0.0	1.20e-04
1793	143	-1.56	1.21	-0.02	-7.29e-04	0.0	1.53e-04
1793	161	-0.43	-3.11	-0.08	1.89e-03	0.0	1.32e-04
1793	175	-1.50	1.20	-0.02	-7.24e-04	0.0	1.52e-04
1793	193	-0.43	-3.12	-0.08	1.89e-03	0.0	1.26e-04
1793	207	-1.72	1.41	-0.02	-8.51e-04	0.0	1.76e-04
1793	225	-0.50	-3.67	-0.09	2.23e-03	0.0	1.42e-04
1794	19	-0.01	0.82	-0.02	-1.15e-04	0.0	-6.07e-04
1794	28	-0.06	-0.39	-0.08	1.15e-04	0.0	2.13e-04
1794	72	-0.02	0.55	-0.02	-7.48e-05	0.0	-4.01e-04
1794	80	-0.04	-0.26	-0.05	7.72e-05	0.0	1.43e-04
1794	98	-0.03	-3.68e-03	-0.04	7.49e-06	0.0	1.46e-05
1794	102	-0.02	0.11	-0.03	-1.14e-05	0.0	-7.07e-05
1794	107	-0.03	-3.15e-03	-0.04	7.06e-06	0.0	1.42e-05
1794	111	-1.85	1.36	-0.03	-6.40e-04	0.0	1.86e-04
1794	129	-0.48	-3.51	-0.09	1.67e-03	0.0	9.97e-05
1794	133	1.19	-3.14	-0.09	1.50e-03	0.0	9.79e-05
1794	143	-2.08	1.54	-0.02	-7.22e-04	0.0	2.07e-04
1794	157	-0.39	-3.93	-0.09	1.87e-03	0.0	1.14e-04
1794	161	-0.54	-3.96	-0.09	1.88e-03	0.0	1.10e-04
1794	175	-2.00	1.53	-0.02	-7.18e-04	0.0	2.06e-04
1794	193	-0.54	-3.97	-0.09	1.89e-03	0.0	1.03e-04
1794	207	-2.29	1.79	-0.02	-8.44e-04	0.0	2.39e-04
1794	225	-0.61	-4.67	-0.10	2.22e-03	0.0	1.15e-04
1795	19	-0.01	1.11	-6.02e-03	-2.54e-04	0.0	-6.49e-04
1795	28	-0.07	-0.46	-0.02	1.55e-04	0.0	2.24e-04
1795	72	-0.02	0.74	-6.72e-03	-1.68e-04	0.0	-4.29e-04
1795	80	-0.05	-0.31	-0.01	1.03e-04	0.0	1.50e-04
1795	98	-0.04	-9.01e-03	-9.39e-03	6.32e-06	0.0	1.38e-05
1795	102	-0.03	0.14	-7.50e-03	-3.06e-05	0.0	-7.69e-05
1795	107	-0.04	-8.42e-03	-9.15e-03	5.94e-06	0.0	1.34e-05
1795	111	-1.39	1.00	-0.01	-5.90e-04	0.0	1.38e-04
1795	129	-0.39	-2.81	-0.01	1.65e-03	0.0	1.19e-04
1795	143	-1.56	1.13	-0.01	-6.66e-04	0.0	1.54e-04
1795	161	-0.43	-3.17	-0.01	1.86e-03	0.0	1.32e-04
1795	175	-1.50	1.12	-0.01	-6.62e-04	0.0	1.53e-04
1795	193	-0.43	-3.17	-0.01	1.86e-03	0.0	1.26e-04
1795	207	-1.72	1.32	-0.01	-7.78e-04	0.0	1.77e-04
1795	225	-0.49	-3.74	-0.01	2.19e-03	0.0	1.42e-04
1796	19	-0.01	1.17	-6.97e-03	-7.42e-06	0.0	-6.25e-04
1796	28	-0.06	-0.51	-0.02	8.22e-05	0.0	2.18e-04
1796	72	-0.02	0.78	-7.79e-03	-3.33e-06	0.0	-4.13e-04
1796	80	-0.04	-0.34	-0.01	5.52e-05	0.0	1.46e-04

1796	98	-0.03	-0.01	-0.01	7.03e-06	0.0	1.44e-05
1796	102	-0.02	0.15	-8.70e-03	2.68e-06	0.0	-7.33e-05
1796	107	-0.03	-0.01	-0.01	6.63e-06	0.0	1.40e-05
1796	111	-1.86	1.26	-0.02	-5.79e-04	0.0	1.84e-04
1796	129	-0.48	-3.55	-0.01	1.62e-03	0.0	1.03e-04
1796	143	-2.09	1.43	-0.02	-6.53e-04	0.0	2.05e-04
1796	161	-0.54	-4.00	-0.01	1.82e-03	0.0	1.13e-04
1796	175	-2.01	1.42	-0.02	-6.49e-04	0.0	2.04e-04
1796	193	-0.54	-4.00	-0.02	1.83e-03	0.0	1.07e-04
1796	207	-2.31	1.67	-0.02	-7.64e-04	0.0	2.37e-04
1796	225	-0.61	-4.71	-0.02	2.15e-03	0.0	1.19e-04
1797	19	-0.01	1.49	-6.59e-03	-2.80e-04	0.0	-6.59e-04
1797	28	-0.07	-0.59	-8.83e-03	1.65e-04	0.0	2.27e-04
1797	52	-0.07	-0.03	-8.95e-03	1.34e-05	0.0	2.14e-05
1797	72	-0.02	0.99	-6.63e-03	-1.85e-04	0.0	-4.35e-04
1797	80	-0.05	-0.39	-6.77e-03	1.11e-04	0.0	1.52e-04
1797	92	-0.05	-0.02	-6.85e-03	9.34e-06	0.0	1.54e-05
1797	98	-0.04	-0.02	-6.79e-03	7.65e-06	0.0	1.38e-05
1797	102	-0.03	0.19	-6.66e-03	-3.31e-05	0.0	-7.82e-05
1797	107	-0.04	-0.02	-6.77e-03	7.23e-06	0.0	1.34e-05
1797	111	-1.38	0.93	-0.11	-5.42e-04	0.0	1.38e-04
1797	114	-1.36	2.25	-0.11	-1.30e-03	0.0	6.19e-05
1797	129	-0.38	-2.87	-0.03	1.64e-03	0.0	1.19e-04
1797	143	-1.55	1.05	-0.12	-6.12e-04	0.0	1.54e-04
1797	146	-1.53	2.53	-0.12	-1.46e-03	0.0	6.81e-05
1797	161	-0.43	-3.23	-0.03	1.85e-03	0.0	1.32e-04
1797	175	-1.49	1.04	-0.12	-6.08e-04	0.0	1.53e-04
1797	178	-1.47	2.50	-0.12	-1.45e-03	0.0	6.89e-05
1797	193	-0.43	-3.23	-0.03	1.85e-03	0.0	1.26e-04
1797	207	-1.71	1.22	-0.13	-7.16e-04	0.0	1.77e-04
1797	210	-1.68	2.93	-0.13	-1.69e-03	0.0	7.90e-05
1797	225	-0.49	-3.80	-0.04	2.17e-03	0.0	1.42e-04
1798	15	-0.02	1.55	-0.01	1.01e-04	0.0	-6.73e-04
1798	19	-9.51e-03	1.55	-8.47e-03	9.94e-05	0.0	-6.78e-04
1798	28	-0.05	-0.65	-0.01	4.82e-05	0.0	2.34e-04
1798	72	-0.01	1.03	-8.44e-03	6.76e-05	0.0	-4.48e-04
1798	80	-0.03	-0.43	-8.08e-03	3.24e-05	0.0	1.57e-04
1798	98	-0.03	-0.02	-8.27e-03	5.97e-06	0.0	1.45e-05
1798	102	-0.02	0.20	-8.41e-03	1.63e-05	0.0	-8.03e-05
1798	106	-0.02	-0.01	-8.40e-03	3.42e-06	0.0	1.16e-05
1798	107	-0.03	-0.02	-8.29e-03	5.60e-06	0.0	1.41e-05
1798	111	-1.89	1.17	-0.11	-5.25e-04	0.0	1.82e-04
1798	114	-1.88	2.82	-0.11	-1.25e-03	0.0	1.04e-04
1798	129	-0.48	-3.59	-0.03	1.57e-03	0.0	1.07e-04
1798	143	-2.12	1.32	-0.12	-5.92e-04	0.0	2.03e-04
1798	146	-2.11	3.18	-0.12	-1.41e-03	0.0	1.15e-04
1798	161	-0.54	-4.05	-0.03	1.76e-03	0.0	1.17e-04
1798	175	-2.03	1.31	-0.11	-5.89e-04	0.0	2.02e-04
1798	178	-2.02	3.14	-0.12	-1.40e-03	0.0	1.16e-04
1798	193	-0.54	-4.05	-0.03	1.77e-03	0.0	1.11e-04
1798	207	-2.34	1.54	-0.13	-6.93e-04	0.0	2.35e-04
1798	210	-2.32	3.68	-0.13	-1.63e-03	0.0	1.34e-04
1798	225	-0.62	-4.76	-0.04	2.08e-03	0.0	1.23e-04
1799	19	-0.01	0.84	-0.02	-9.26e-06	0.0	-4.70e-04
1799	28	-0.05	-0.43	-0.09	8.96e-05	0.0	1.71e-04
1799	72	-0.01	0.56	-0.03	-3.59e-06	0.0	-3.09e-04
1799	80	-0.03	-0.29	-0.06	6.04e-05	0.0	1.15e-04
1799	98	-0.03	-7.46e-03	-0.05	1.05e-05	0.0	1.43e-05
1799	102	-0.02	0.11	-0.03	4.75e-06	0.0	-5.27e-05
1799	107	-0.03	-6.73e-03	-0.05	9.99e-06	0.0	1.38e-05
1799	111	-2.13	1.64	-0.03	-6.32e-04	0.0	2.38e-04
1799	129	-0.53	-4.23	-0.10	1.67e-03	0.0	6.69e-05
1799	133	1.41	-3.79	-0.10	1.50e-03	0.0	7.72e-05
1799	143	-2.40	1.85	-0.02	-7.14e-04	0.0	2.66e-04
1799	161	-0.59	-4.77	-0.10	1.88e-03	0.0	7.30e-05
1799	165	1.59	-4.26	-0.10	1.68e-03	0.0	8.54e-05
1799	175	-2.30	1.84	-0.02	-7.09e-04	0.0	2.65e-04
1799	193	-0.59	-4.78	-0.10	1.88e-03	0.0	6.69e-05
1799	201	1.35	-4.23	-0.10	1.67e-03	0.0	8.04e-05
1799	207	-2.65	2.16	-0.02	-8.34e-04	0.0	3.08e-04
1799	225	-0.68	-5.63	-0.11	2.21e-03	0.0	7.21e-05
1799	233	1.56	-4.93	-0.11	1.95e-03	0.0	9.08e-05
1800	19	-4.03e-03	0.82	-0.03	7.22e-05	0.0	-2.67e-04
1800	28	-0.02	-0.47	-0.10	7.12e-05	0.0	1.06e-04
1800	52	-0.02	-0.02	-0.10	2.31e-05	0.0	1.92e-05

1800	72	-5.76e-03	0.54	-0.03	5.16e-05	0.0	-1.74e-04
1800	80	-0.01	-0.31	-0.07	4.83e-05	0.0	7.19e-05
1800	92	-0.01	-0.02	-0.07	1.62e-05	0.0	1.38e-05
1800	98	-0.01	-0.01	-0.06	1.36e-05	0.0	1.24e-05
1800	105	-0.01	-0.11	-0.06	2.37e-05	0.0	3.14e-05
1800	107	-0.01	-0.01	-0.06	1.30e-05	0.0	1.20e-05
1800	111	-2.35	1.91	-0.03	-6.25e-04	0.0	3.00e-04
1800	129	-0.56	-4.95	-0.10	1.66e-03	0.0	3.43e-05
1800	133	1.59	-4.43	-0.11	1.49e-03	0.0	5.28e-05
1800	143	-2.64	2.16	-0.03	-7.06e-04	0.0	3.36e-04
1800	161	-0.63	-5.58	-0.11	1.87e-03	0.0	3.67e-05
1800	165	1.79	-4.98	-0.11	1.68e-03	0.0	5.83e-05
1800	175	-2.54	2.14	-0.03	-7.01e-04	0.0	3.35e-04
1800	193	-0.63	-5.59	-0.11	1.87e-03	0.0	3.24e-05
1800	197	1.72	-4.88	-0.11	1.64e-03	0.0	6.07e-05
1800	207	-2.92	2.52	-0.03	-8.25e-04	0.0	3.91e-04
1800	225	-0.72	-6.59	-0.12	2.21e-03	0.0	3.29e-05
1800	233	1.76	-5.78	-0.12	1.95e-03	0.0	6.04e-05
1801	28	0.03	-0.49	-0.13	6.20e-05	0.0	3.59e-05
1801	44	0.03	-0.79	-0.12	8.22e-05	0.0	5.09e-05
1801	80	0.02	-0.33	-0.09	4.24e-05	0.0	2.47e-05
1801	88	0.02	-0.52	-0.09	5.58e-05	0.0	3.47e-05
1801	98	0.02	-0.02	-0.07	1.60e-05	0.0	8.07e-06
1801	105	0.02	-0.12	-0.07	2.31e-05	0.0	1.32e-05
1801	107	0.02	-0.02	-0.07	1.53e-05	0.0	7.88e-06
1801	113	2.59	-4.78	-0.11	1.40e-03	0.0	-2.72e-04
1801	129	-0.57	-5.67	-0.11	1.66e-03	0.0	-2.05e-04
1801	133	1.79	-5.08	-0.12	1.49e-03	0.0	3.57e-05
1801	145	2.91	-5.38	-0.12	1.57e-03	0.0	-3.07e-04
1801	161	-0.64	-6.39	-0.11	1.87e-03	0.0	-2.33e-04
1801	165	2.01	-5.71	-0.12	1.68e-03	0.0	3.96e-05
1801	177	2.80	-5.32	-0.12	1.56e-03	0.0	-3.04e-04
1801	193	-0.64	-6.40	-0.11	1.87e-03	0.0	-2.36e-04
1801	197	1.94	-5.59	-0.12	1.64e-03	0.0	4.21e-05
1801	209	3.22	-6.22	-0.13	1.82e-03	0.0	-3.57e-04
1801	225	-0.74	-7.54	-0.12	2.20e-03	0.0	-2.84e-04
1801	229	2.24	-6.49	-0.13	1.90e-03	0.0	5.05e-05
1802	19	-8.83e-03	1.11	-7.52e-03	1.98e-04	0.0	-4.65e-04
1802	28	-0.04	-0.53	-0.02	2.21e-05	0.0	1.67e-04
1802	72	-0.01	0.74	-8.42e-03	1.34e-04	0.0	-3.06e-04
1802	80	-0.03	-0.35	-0.01	1.51e-05	0.0	1.12e-04
1802	98	-0.02	-0.02	-0.01	7.80e-06	0.0	1.29e-05
1802	102	-0.02	0.14	-9.42e-03	3.06e-05	0.0	-5.30e-05
1802	107	-0.02	-0.01	-0.01	7.37e-06	0.0	1.25e-05
1802	111	-2.13	1.51	-0.02	-5.69e-04	0.0	2.36e-04
1802	129	-0.53	-4.24	-0.02	1.58e-03	0.0	6.32e-05
1802	143	-2.40	1.71	-0.03	-6.42e-04	0.0	2.64e-04
1802	161	-0.59	-4.78	-0.02	1.79e-03	0.0	6.89e-05
1802	175	-2.30	1.70	-0.02	-6.38e-04	0.0	2.63e-04
1802	193	-0.59	-4.79	-0.02	1.79e-03	0.0	6.29e-05
1802	207	-2.64	1.99	-0.03	-7.51e-04	0.0	3.06e-04
1802	225	-0.68	-5.63	-0.02	2.11e-03	0.0	6.78e-05
1803	19	-2.57e-03	0.97	-8.17e-03	3.46e-04	0.0	-2.53e-04
1803	28	-0.02	-0.52	-0.02	-2.08e-05	0.0	9.64e-05
1803	52	-0.02	-0.03	-0.02	1.49e-05	0.0	1.45e-05
1803	72	-4.10e-03	0.64	-9.16e-03	2.33e-04	0.0	-1.66e-04
1803	80	-0.01	-0.35	-0.02	-1.34e-05	0.0	6.51e-05
1803	92	-0.01	-0.02	-0.01	1.04e-05	0.0	1.05e-05
1803	98	-9.57e-03	-0.02	-0.01	8.53e-06	0.0	9.52e-06
1803	105	-8.97e-03	-0.13	-0.01	0.0	0.0	2.75e-05
1803	107	-9.11e-03	-0.02	-0.01	8.08e-06	0.0	9.27e-06
1803	111	-2.35	1.76	-0.03	-5.61e-04	0.0	2.97e-04
1803	129	-0.56	-4.92	-0.02	1.56e-03	0.0	2.98e-05
1803	143	-2.64	1.98	-0.03	-6.34e-04	0.0	3.33e-04
1803	161	-0.63	-5.54	-0.02	1.76e-03	0.0	3.20e-05
1803	175	-2.53	1.97	-0.03	-6.31e-04	0.0	3.32e-04
1803	193	-0.63	-5.55	-0.02	1.76e-03	0.0	2.79e-05
1803	207	-2.92	2.32	-0.03	-7.42e-04	0.0	3.88e-04
1803	225	-0.72	-6.53	-0.02	2.07e-03	0.0	2.82e-05
1804	28	0.03	-0.50	-0.02	-4.36e-05	0.0	2.59e-05
1804	44	0.03	-0.79	-0.02	-8.53e-05	0.0	3.82e-05
1804	80	0.02	-0.33	-0.02	-2.86e-05	0.0	1.78e-05
1804	88	0.02	-0.53	-0.02	-5.64e-05	0.0	2.60e-05
1804	98	0.02	-0.02	-0.02	9.07e-06	0.0	4.85e-06
1804	105	0.02	-0.12	-0.02	-4.59e-06	0.0	8.99e-06

1804	107	0.02	-0.02	-0.01	8.60e-06	0.0	4.77e-06
1804	111	-2.55	2.00	-0.03	-5.59e-04	0.0	2.88e-04
1804	113	2.59	-4.60	-2.71e-03	1.29e-03	0.0	-2.76e-04
1804	129	-0.57	-5.59	-0.02	1.55e-03	0.0	-2.08e-04
1804	143	-2.87	2.26	-0.03	-6.31e-04	0.0	3.24e-04
1804	145	2.91	-5.17	-1.19e-03	1.45e-03	0.0	-3.11e-04
1804	161	-0.65	-6.30	-0.03	1.75e-03	0.0	-2.36e-04
1804	175	-2.76	2.24	-0.03	-6.28e-04	0.0	3.21e-04
1804	177	2.80	-5.12	-1.93e-03	1.44e-03	0.0	-3.09e-04
1804	193	-0.65	-6.31	-0.03	1.75e-03	0.0	-2.39e-04
1804	207	-3.18	2.64	-0.04	-7.39e-04	0.0	3.76e-04
1804	209	3.22	-5.98	-1.03e-04	1.68e-03	0.0	-3.62e-04
1804	225	-0.75	-7.42	-0.03	2.06e-03	0.0	-2.86e-04
1805	15	-0.01	1.37	-0.01	4.17e-04	0.0	-4.63e-04
1805	19	-6.25e-03	1.38	-9.23e-03	4.16e-04	0.0	-4.67e-04
1805	28	-0.03	-0.62	-0.01	-5.03e-05	0.0	1.66e-04
1805	72	-8.82e-03	0.91	-9.15e-03	2.78e-04	0.0	-3.08e-04
1805	80	-0.02	-0.42	-8.44e-03	-3.34e-05	0.0	1.12e-04
1805	98	-0.02	-0.02	-8.76e-03	4.18e-06	0.0	1.23e-05
1805	102	-0.01	0.17	-9.08e-03	5.73e-05	0.0	-5.36e-05
1805	106	-0.01	-0.01	-9.07e-03	2.05e-06	0.0	9.97e-06
1805	107	-0.02	-0.02	-8.80e-03	3.87e-06	0.0	1.20e-05
1805	111	-2.13	1.39	-0.10	-5.10e-04	0.0	2.35e-04
1805	114	-2.12	3.35	-0.10	-1.21e-03	0.0	1.67e-04
1805	129	-0.52	-4.25	-0.03	1.51e-03	0.0	6.13e-05
1805	143	-2.39	1.57	-0.11	-5.76e-04	0.0	2.64e-04
1805	146	-2.38	3.77	-0.11	-1.37e-03	0.0	1.87e-04
1805	161	-0.58	-4.79	-0.03	1.70e-03	0.0	6.69e-05
1805	175	-2.30	1.56	-0.11	-5.73e-04	0.0	2.62e-04
1805	178	-2.29	3.73	-0.11	-1.35e-03	0.0	1.86e-04
1805	193	-0.58	-4.79	-0.03	1.70e-03	0.0	6.09e-05
1805	207	-2.64	1.83	-0.12	-6.74e-04	0.0	3.05e-04
1805	210	-2.63	4.36	-0.12	-1.58e-03	0.0	2.16e-04
1805	225	-0.67	-5.63	-0.04	2.00e-03	0.0	6.56e-05
1806	15	-2.07e-03	1.09	-0.01	6.03e-04	0.0	-2.36e-04
1806	19	-4.56e-04	1.10	-9.58e-03	6.02e-04	0.0	-2.39e-04
1806	52	-9.61e-03	-0.04	-0.01	5.35e-06	0.0	1.27e-05
1806	72	-1.69e-03	0.73	-9.48e-03	4.02e-04	0.0	-1.57e-04
1806	92	-6.72e-03	-0.03	-8.72e-03	3.57e-06	0.0	9.22e-06
1806	98	-5.70e-03	-0.02	-8.97e-03	2.59e-06	0.0	8.41e-06
1806	102	-3.26e-03	0.13	-9.40e-03	8.10e-05	0.0	-2.57e-05
1806	105	-5.22e-03	-0.14	-8.98e-03	-2.31e-05	0.0	2.54e-05
1806	106	-3.66e-03	-0.01	-9.38e-03	0.0	0.0	7.00e-06
1806	107	-5.40e-03	-0.02	-9.03e-03	2.34e-06	0.0	8.21e-06
1806	111	-2.34	1.60	-0.10	-5.03e-04	0.0	2.96e-04
1806	114	-2.34	3.86	-0.10	-1.19e-03	0.0	2.31e-04
1806	129	-0.55	-4.89	-0.03	1.47e-03	0.0	2.82e-05
1806	143	-2.64	1.81	-0.11	-5.67e-04	0.0	3.33e-04
1806	146	-2.63	4.35	-0.11	-1.34e-03	0.0	2.60e-04
1806	161	-0.62	-5.50	-0.03	1.66e-03	0.0	3.04e-05
1806	175	-2.53	1.80	-0.10	-5.65e-04	0.0	3.31e-04
1806	178	-2.53	4.30	-0.10	-1.33e-03	0.0	2.58e-04
1806	193	-0.62	-5.51	-0.03	1.66e-03	0.0	2.64e-05
1806	207	-2.91	2.12	-0.12	-6.65e-04	0.0	3.87e-04
1806	210	-2.91	5.03	-0.12	-1.55e-03	0.0	3.00e-04
1806	225	-0.72	-6.48	-0.03	1.96e-03	0.0	2.67e-05
1807	15	0.01	0.75	-0.01	7.11e-04	0.0	-1.77e-06
1807	28	0.03	-0.50	-0.01	-1.44e-04	0.0	4.93e-06
1807	44	0.03	-0.80	-0.01	-2.43e-04	0.0	8.01e-06
1807	72	0.01	0.50	-9.79e-03	4.74e-04	0.0	0.0
1807	80	0.02	-0.33	-9.05e-03	-9.62e-05	0.0	3.49e-06
1807	88	0.02	-0.53	-9.12e-03	-1.62e-04	0.0	5.54e-06
1807	102	0.01	0.09	-9.73e-03	9.47e-05	0.0	0.0
1807	105	0.02	-0.12	-9.38e-03	-3.16e-05	0.0	1.93e-06
1807	106	0.01	-0.01	-9.72e-03	0.0	0.0	1.34e-06
1807	107	0.01	-0.02	-9.42e-03	1.11e-06	0.0	0.0
1807	113	2.59	-4.41	0.08	1.18e-03	0.0	-2.82e-04
1807	114	-2.56	4.37	-0.10	-1.18e-03	0.0	2.84e-04
1807	129	-0.58	-5.51	-0.03	1.46e-03	0.0	-2.13e-04
1807	145	2.91	-4.97	0.09	1.33e-03	0.0	-3.18e-04
1807	146	-2.88	4.92	-0.11	-1.33e-03	0.0	3.20e-04
1807	161	-0.65	-6.21	-0.03	1.64e-03	0.0	-2.41e-04
1807	177	2.79	-4.92	0.09	1.32e-03	0.0	-3.15e-04
1807	178	-2.76	4.87	-0.10	-1.32e-03	0.0	3.17e-04
1807	193	-0.65	-6.22	-0.03	1.65e-03	0.0	-2.45e-04

1807	209	3.21	-5.74	0.10	1.54e-03	0.0	-3.69e-04
1807	210	-3.19	5.70	-0.12	-1.54e-03	0.0	3.71e-04
1807	225	-0.75	-7.31	-0.03	1.94e-03	0.0	-2.92e-04
1808	19	-2.82e-03	0.53	-8.08e-04	-1.31e-03	0.0	-4.11e-05
1808	28	-0.02	-0.19	-1.38e-03	4.81e-04	0.0	1.04e-05
1808	72	-4.15e-03	0.35	-8.40e-04	-8.73e-04	0.0	-2.77e-05
1808	80	-0.01	-0.13	-1.03e-03	3.21e-04	0.0	6.89e-06
1808	98	-8.97e-03	-4.09e-03	-9.64e-04	1.02e-05	0.0	-1.07e-06
1808	102	-5.68e-03	0.07	-8.75e-04	-1.69e-04	0.0	-6.15e-06
1808	107	-8.55e-03	-3.90e-03	-9.52e-04	9.72e-06	0.0	-1.03e-06
1808	111	-0.22	0.21	2.66e-03	-5.30e-04	0.0	4.33e-05
1808	113	0.20	-0.55	-4.60e-03	1.37e-03	0.0	-3.62e-05
1808	129	-0.07	-0.71	-1.75e-04	1.77e-03	0.0	1.82e-06
1808	143	-0.25	0.24	3.12e-03	-5.98e-04	0.0	4.89e-05
1808	145	0.22	-0.62	-5.06e-03	1.54e-03	0.0	-4.06e-05
1808	161	-0.08	-0.80	-7.62e-05	1.99e-03	0.0	2.15e-06
1808	175	-0.24	0.24	2.96e-03	-5.94e-04	0.0	4.87e-05
1808	177	0.21	-0.61	-4.90e-03	1.52e-03	0.0	-4.04e-05
1808	193	-0.08	-0.80	-8.09e-05	1.99e-03	0.0	1.76e-06
1808	207	-0.27	0.28	3.55e-03	-6.99e-04	0.0	5.74e-05
1808	209	0.25	-0.71	-5.50e-03	1.78e-03	0.0	-4.71e-05
1808	225	-0.09	-0.93	5.13e-05	2.34e-03	0.0	1.98e-06
1809	1	0.0	0.0	0.0	-7.84e-04	0.0	-3.47e-06
1809	65	0.0	0.0	0.0	-5.22e-04	0.0	-2.33e-06
1809	97	0.0	0.0	0.0	6.86e-06	0.0	0.0
1809	106	0.0	0.0	0.0	6.86e-06	0.0	0.0
1809	108	0.0	0.0	0.0	5.49e-04	0.0	-4.21e-06
1809	140	0.0	0.0	0.0	6.18e-04	0.0	-4.72e-06
1809	172	0.0	0.0	0.0	6.13e-04	0.0	-4.69e-06
1809	204	0.0	0.0	0.0	7.18e-04	0.0	-5.48e-06
1810	19	-4.94e-03	1.05	-1.14e-03	-1.31e-03	0.0	-1.07e-04
1810	28	-0.03	-0.39	-1.93e-03	4.81e-04	0.0	2.88e-05
1810	72	-7.16e-03	0.70	-1.19e-03	-8.73e-04	0.0	-7.15e-05
1810	80	-0.02	-0.26	-1.44e-03	3.22e-04	0.0	1.91e-05
1810	98	-0.02	-8.17e-03	-1.36e-03	1.02e-05	0.0	-1.81e-06
1810	102	-9.69e-03	0.14	-1.23e-03	-1.69e-04	0.0	-1.53e-05
1810	107	-0.01	-7.79e-03	-1.34e-03	9.71e-06	0.0	-1.74e-06
1810	111	-0.41	0.42	7.31e-03	-5.30e-04	0.0	8.03e-05
1810	113	0.37	-1.09	-0.01	1.37e-03	0.0	-6.60e-05
1810	129	-0.12	-1.41	6.03e-04	1.77e-03	0.0	4.17e-06
1810	143	-0.46	0.48	8.39e-03	-5.98e-04	0.0	9.07e-05
1810	145	0.42	-1.23	-0.01	1.54e-03	0.0	-7.42e-05
1810	161	-0.14	-1.59	8.49e-04	1.99e-03	0.0	4.82e-06
1810	175	-0.44	0.47	8.01e-03	-5.94e-04	0.0	9.02e-05
1810	177	0.40	-1.22	-0.01	1.52e-03	0.0	-7.38e-05
1810	193	-0.14	-1.59	8.41e-04	1.99e-03	0.0	3.73e-06
1810	207	-0.51	0.56	9.43e-03	-6.99e-04	0.0	1.06e-04
1810	209	0.46	-1.42	-0.01	1.78e-03	0.0	-8.61e-05
1810	225	-0.16	-1.87	1.17e-03	2.34e-03	0.0	4.10e-06
1811	28	5.26e-03	-0.23	-1.14	0.0	4.94e-06	-1.73e-06
1811	43	3.53e-03	-0.38	-1.01	0.0	3.30e-06	-1.34e-06
1811	52	5.94e-03	-0.01	-1.04	0.0	5.60e-06	-1.87e-06
1811	80	3.58e-03	-0.16	-0.79	0.0	3.36e-06	-1.23e-06
1811	87	2.42e-03	-0.25	-0.70	0.0	2.27e-06	0.0
1811	92	4.03e-03	-9.71e-03	-0.73	0.0	3.80e-06	-1.32e-06
1811	98	3.18e-03	-9.35e-03	-0.60	0.0	3.01e-06	-1.12e-06
1811	105	2.78e-03	-0.06	-0.59	0.0	2.63e-06	-1.04e-06
1811	107	2.94e-03	-9.19e-03	-0.56	0.0	2.78e-06	-1.07e-06
1811	112	2.32	-0.01	-0.59	0.0	2.12e-03	3.59e-05
1811	129	1.30	-1.48	-1.29	0.0	1.19e-03	-1.02e-05
1811	144	2.61	-0.01	-0.59	0.0	2.39e-03	4.04e-05
1811	161	1.47	-1.67	-1.39	0.0	1.35e-03	-1.14e-05
1811	176	2.63	-0.02	-0.60	0.0	2.41e-03	3.76e-05
1811	193	1.51	-1.66	-1.38	0.0	1.38e-03	-1.12e-05
1811	208	3.10	-0.02	-0.61	0.0	2.84e-03	4.30e-05
1811	225	1.81	-1.93	-1.52	0.0	1.66e-03	-1.28e-05
1812	19	-2.43e-03	0.55	-5.04e-04	-1.36e-03	0.0	-2.01e-05
1812	28	-0.01	-0.20	-7.31e-04	4.94e-04	0.0	4.23e-06
1812	72	-3.59e-03	0.36	-5.12e-04	-9.05e-04	0.0	-1.37e-05
1812	80	-0.01	-0.13	-5.55e-04	3.30e-04	0.0	2.75e-06
1812	98	-7.78e-03	-3.63e-03	-5.39e-04	9.07e-06	0.0	-1.04e-06
1812	102	-4.92e-03	0.07	-5.20e-04	-1.76e-04	0.0	-3.33e-06
1812	107	-7.42e-03	-3.46e-03	-5.37e-04	8.64e-06	0.0	0.0
1812	111	-0.22	0.19	-8.14e-04	-4.87e-04	0.0	3.44e-05
1812	129	-0.07	-0.70	-6.31e-04	1.75e-03	0.0	-2.85e-05

1812	143	-0.25	0.22	-8.48e-04	-5.50e-04	0.0	3.89e-05
1812	161	-0.07	-0.79	-6.43e-04	1.97e-03	0.0	-3.21e-05
1812	175	-0.24	0.22	-8.34e-04	-5.46e-04	0.0	3.87e-05
1812	193	-0.07	-0.79	-6.44e-04	1.97e-03	0.0	-3.24e-05
1812	207	-0.27	0.26	-8.79e-04	-6.43e-04	0.0	4.55e-05
1812	225	-0.08	-0.92	-6.62e-04	2.31e-03	0.0	-3.85e-05
1813	1	0.0	0.0	0.0	-8.12e-04	0.0	-2.40e-06
1813	65	0.0	0.0	0.0	-5.41e-04	0.0	-1.61e-06
1813	97	0.0	0.0	0.0	6.05e-06	0.0	0.0
1813	106	0.0	0.0	0.0	6.05e-06	0.0	0.0
1813	108	0.0	0.0	0.0	5.04e-04	0.0	-3.43e-06
1813	140	0.0	0.0	0.0	5.67e-04	0.0	-3.84e-06
1813	172	0.0	0.0	0.0	5.63e-04	0.0	-3.82e-06
1813	204	0.0	0.0	0.0	6.60e-04	0.0	-4.44e-06
1814	19	-4.00e-03	1.09	-6.66e-04	-1.36e-03	0.0	-3.62e-05
1814	28	-0.02	-0.40	-9.67e-04	4.95e-04	0.0	7.64e-06
1814	72	-5.83e-03	0.73	-6.76e-04	-9.07e-04	0.0	-2.46e-05
1814	80	-0.02	-0.26	-7.34e-04	3.30e-04	0.0	4.97e-06
1814	98	-0.01	-7.26e-03	-7.13e-04	9.07e-06	0.0	-1.84e-06
1814	102	-7.92e-03	0.14	-6.86e-04	-1.77e-04	0.0	-5.96e-06
1814	107	-0.01	-6.91e-03	-7.10e-04	8.64e-06	0.0	-1.77e-06
1814	111	-0.39	0.39	-1.08e-03	-4.87e-04	0.0	6.58e-05
1814	129	-0.11	-1.40	-8.38e-04	1.75e-03	0.0	-5.42e-05
1814	143	-0.43	0.44	-1.12e-03	-5.50e-04	0.0	7.43e-05
1814	161	-0.13	-1.58	-8.54e-04	1.97e-03	0.0	-6.10e-05
1814	175	-0.42	0.44	-1.10e-03	-5.46e-04	0.0	7.39e-05
1814	193	-0.13	-1.57	-8.55e-04	1.97e-03	0.0	-6.16e-05
1814	207	-0.48	0.51	-1.16e-03	-6.43e-04	0.0	8.68e-05
1814	225	-0.15	-1.85	-8.79e-04	2.31e-03	0.0	-7.32e-05
1815	28	2.66e-03	-0.12	-1.09	0.0	5.10e-06	0.0
1815	43	1.79e-03	-0.20	-0.97	0.0	3.43e-06	0.0
1815	52	3.00e-03	-7.34e-03	-1.00	0.0	5.76e-06	0.0
1815	80	1.81e-03	-0.08	-0.76	0.0	3.47e-06	0.0
1815	87	1.23e-03	-0.13	-0.68	0.0	2.36e-06	0.0
1815	92	2.04e-03	-5.42e-03	-0.69	0.0	3.92e-06	0.0
1815	98	1.61e-03	-5.24e-03	-0.57	0.0	3.10e-06	0.0
1815	105	1.41e-03	-0.03	-0.56	0.0	2.71e-06	0.0
1815	107	1.48e-03	-5.15e-03	-0.54	0.0	2.86e-06	0.0
1815	112	1.18	-6.31e-03	-0.56	0.0	2.17e-03	1.64e-05
1815	129	0.66	-0.74	-1.30	0.0	1.22e-03	-6.96e-06
1815	144	1.33	-6.90e-03	-0.57	0.0	2.45e-03	1.83e-05
1815	161	0.75	-0.84	-1.40	0.0	1.38e-03	-7.83e-06
1815	176	1.34	-9.64e-03	-0.57	0.0	2.46e-03	1.63e-05
1815	193	0.77	-0.83	-1.39	0.0	1.41e-03	-8.14e-06
1815	208	1.58	-0.01	-0.58	0.0	2.90e-03	1.84e-05
1815	225	0.92	-0.97	-1.54	0.0	1.69e-03	-9.47e-06
1816	19	-2.12e-03	0.55	-7.40e-04	-1.36e-03	0.0	0.0
1816	28	-0.01	-0.20	-1.05e-03	4.91e-04	0.0	-1.97e-06
1816	72	-3.14e-03	0.36	-7.48e-04	-9.03e-04	0.0	0.0
1816	80	-8.86e-03	-0.13	-8.00e-04	3.28e-04	0.0	-1.38e-06
1816	98	-6.84e-03	-3.17e-03	-7.78e-04	7.94e-06	0.0	-1.02e-06
1816	102	-4.32e-03	0.07	-7.56e-04	-1.76e-04	0.0	0.0
1816	105	-6.77e-03	-0.05	-7.78e-04	1.14e-04	0.0	-1.04e-06
1816	107	-6.52e-03	-3.02e-03	-7.75e-04	7.56e-06	0.0	0.0
1816	111	-0.22	0.18	-4.85e-03	-4.44e-04	0.0	3.46e-05
1816	129	-0.06	-0.69	-1.77e-03	1.73e-03	0.0	-2.92e-05
1816	143	-0.24	0.20	-5.36e-03	-5.01e-04	0.0	3.91e-05
1816	161	-0.07	-0.78	-1.90e-03	1.95e-03	0.0	-3.29e-05
1816	175	-0.23	0.20	-5.17e-03	-4.98e-04	0.0	3.88e-05
1816	193	-0.07	-0.78	-1.90e-03	1.94e-03	0.0	-3.31e-05
1816	207	-0.27	0.23	-5.84e-03	-5.86e-04	0.0	4.56e-05
1816	225	-0.08	-0.91	-2.08e-03	2.28e-03	0.0	-3.92e-05
1817	1	0.0	0.0	0.0	-8.12e-04	0.0	-1.35e-06
1817	65	0.0	0.0	0.0	-5.41e-04	0.0	0.0
1817	97	0.0	0.0	0.0	5.25e-06	0.0	0.0
1817	106	0.0	0.0	0.0	5.25e-06	0.0	0.0
1817	108	0.0	0.0	0.0	4.59e-04	0.0	-3.36e-06
1817	140	0.0	0.0	0.0	5.16e-04	0.0	-3.76e-06
1817	172	0.0	0.0	0.0	5.13e-04	0.0	-3.74e-06
1817	204	0.0	0.0	0.0	6.01e-04	0.0	-4.35e-06
1818	19	-3.34e-03	1.09	-1.02e-03	-1.36e-03	0.0	3.42e-05
1818	28	-0.02	-0.39	-1.39e-03	4.91e-04	0.0	-1.35e-05
1818	44	-0.02	-0.65	-1.40e-03	8.07e-04	0.0	-2.01e-05
1818	72	-4.88e-03	0.72	-1.03e-03	-9.03e-04	0.0	2.23e-05
1818	80	-0.01	-0.26	-1.07e-03	3.28e-04	0.0	-9.13e-06

1818	88	-0.01	-0.43	-1.07e-03	5.39e-04	0.0	-1.35e-05
1818	98	-0.01	-6.34e-03	-1.05e-03	7.94e-06	0.0	-1.86e-06
1818	102	-6.66e-03	0.14	-1.03e-03	-1.76e-04	0.0	3.41e-06
1818	105	-0.01	-0.09	-1.05e-03	1.14e-04	0.0	-4.10e-06
1818	107	-0.01	-6.03e-03	-1.04e-03	7.56e-06	0.0	-1.78e-06
1818	111	-0.38	0.36	-0.01	-4.44e-04	0.0	6.79e-05
1818	129	-0.11	-1.38	-3.34e-03	1.73e-03	0.0	-5.83e-05
1818	143	-0.42	0.40	-0.01	-5.01e-04	0.0	7.67e-05
1818	161	-0.12	-1.56	-3.63e-03	1.95e-03	0.0	-6.56e-05
1818	175	-0.41	0.40	-0.01	-4.98e-04	0.0	7.61e-05
1818	193	-0.12	-1.55	-3.63e-03	1.94e-03	0.0	-6.59e-05
1818	207	-0.46	0.47	-0.01	-5.86e-04	0.0	8.94e-05
1818	225	-0.14	-1.82	-4.04e-03	2.28e-03	0.0	-7.83e-05
1819	4	-5.33e-05	0.03	-0.84	0.0	4.66e-06	0.0
1819	16	-7.47e-05	0.02	-0.35	0.0	0.0	0.0
1819	28	-2.24e-05	0.03	-1.02	0.0	5.17e-06	0.0
1819	68	-3.88e-05	0.02	-0.59	0.0	3.19e-06	0.0
1819	73	-5.32e-05	0.01	-0.26	0.0	0.0	0.0
1819	80	-1.83e-05	0.02	-0.71	0.0	3.52e-06	0.0
1819	98	-2.25e-05	0.02	-0.53	0.0	3.14e-06	0.0
1819	102	-3.05e-05	0.01	-0.31	0.0	1.22e-06	0.0
1819	106	-2.52e-05	0.01	-0.33	0.0	1.48e-06	0.0
1819	107	-2.29e-05	0.02	-0.50	0.0	2.90e-06	0.0
1819	108	0.03	0.02	-0.52	0.0	1.78e-03	4.93e-05
1819	115	-0.04	0.02	-0.47	0.0	-2.18e-03	-6.14e-05
1819	129	0.02	0.02	-1.30	0.0	1.23e-03	3.52e-05
1819	140	0.04	0.02	-0.52	0.0	2.00e-03	5.54e-05
1819	147	-0.05	0.01	-0.47	0.0	-2.45e-03	-6.90e-05
1819	161	0.03	0.02	-1.40	0.0	1.39e-03	3.95e-05
1819	172	0.04	0.02	-0.53	0.0	2.01e-03	5.41e-05
1819	179	-0.04	0.01	-0.47	0.0	-2.47e-03	-6.75e-05
1819	193	0.03	0.02	-1.39	0.0	1.42e-03	3.91e-05
1819	204	0.04	0.02	-0.53	0.0	2.37e-03	6.34e-05
1819	219	-0.05	0.02	-0.43	0.0	-2.91e-03	-7.97e-05
1819	225	0.03	0.02	-1.54	0.0	1.70e-03	4.64e-05
1820	15	-7.87e-03	1.40	-0.02	7.15e-04	0.0	-6.31e-05
1820	19	-3.91e-03	1.41	-0.02	7.14e-04	0.0	-6.21e-05
1820	28	-0.02	-0.63	-0.02	-1.41e-04	0.0	1.39e-05
1820	72	-6.07e-03	0.93	-0.02	4.77e-04	0.0	-4.22e-05
1820	80	-0.02	-0.42	-0.01	-9.38e-05	0.0	9.05e-06
1820	98	-0.01	-0.02	-0.02	3.36e-06	0.0	-3.51e-06
1820	102	-8.55e-03	0.18	-0.02	9.65e-05	0.0	-1.02e-05
1820	106	-9.17e-03	-0.01	-0.02	1.54e-06	0.0	-2.22e-06
1820	107	-0.01	-0.02	-0.02	3.10e-06	0.0	-3.33e-06
1820	111	-2.12	1.28	-0.08	-4.61e-04	0.0	2.18e-04
1820	114	-2.11	3.24	-0.08	-1.15e-03	0.0	2.16e-04
1820	129	-0.51	-4.20	-0.03	1.45e-03	0.0	-1.71e-04
1820	143	-2.38	1.44	-0.09	-5.20e-04	0.0	2.46e-04
1820	146	-2.38	3.65	-0.09	-1.29e-03	0.0	2.44e-04
1820	161	-0.58	-4.73	-0.03	1.63e-03	0.0	-1.93e-04
1820	175	-2.29	1.43	-0.08	-5.19e-04	0.0	2.45e-04
1820	178	-2.28	3.61	-0.08	-1.28e-03	0.0	2.42e-04
1820	193	-0.58	-4.73	-0.03	1.64e-03	0.0	-1.95e-04
1820	207	-2.63	1.69	-0.09	-6.11e-04	0.0	2.88e-04
1820	210	-2.62	4.22	-0.09	-1.49e-03	0.0	2.84e-04
1820	225	-0.66	-5.56	-0.03	1.92e-03	0.0	-2.33e-04
1821	15	-0.01	1.70	-0.02	7.10e-04	0.0	-1.72e-04
1821	19	-6.02e-03	1.71	-0.02	7.10e-04	0.0	-1.71e-04
1821	28	-0.04	-0.69	-0.02	-1.39e-04	0.0	4.61e-05
1821	72	-8.97e-03	1.14	-0.02	4.74e-04	0.0	-1.15e-04
1821	80	-0.03	-0.46	-0.01	-9.28e-05	0.0	3.05e-05
1821	98	-0.02	-0.02	-0.02	3.43e-06	0.0	-3.61e-06
1821	102	-0.01	0.22	-0.02	9.60e-05	0.0	-2.49e-05
1821	106	-0.01	-0.01	-0.02	1.59e-06	0.0	-2.38e-06
1821	107	-0.02	-0.02	-0.02	3.17e-06	0.0	-3.44e-06
1821	111	-1.92	1.08	-0.08	-4.62e-04	0.0	2.27e-04
1821	114	-1.91	2.74	-0.08	-1.15e-03	0.0	1.76e-04
1821	129	-0.48	-3.58	-0.03	1.45e-03	0.0	1.28e-05
1821	143	-2.16	1.22	-0.08	-5.21e-04	0.0	2.56e-04
1821	146	-2.15	3.09	-0.09	-1.29e-03	0.0	1.99e-04
1821	161	-0.54	-4.03	-0.03	1.64e-03	0.0	1.46e-05
1821	175	-2.07	1.21	-0.08	-5.19e-04	0.0	2.55e-04
1821	178	-2.06	3.05	-0.08	-1.28e-03	0.0	1.98e-04
1821	193	-0.54	-4.03	-0.03	1.64e-03	0.0	1.13e-05
1821	207	-2.38	1.42	-0.09	-6.11e-04	0.0	2.99e-04

1821	210	-2.37	3.57	-0.09	-1.50e-03	0.0	2.32e-04
1821	225	-0.62	-4.73	-0.03	1.93e-03	0.0	1.17e-05
1822	15	2.05e-04	1.09	-0.02	7.38e-04	0.0	-1.29e-05
1822	19	1.03e-03	1.10	-0.02	7.37e-04	0.0	-1.21e-05
1822	52	-5.01e-03	-0.04	-0.02	6.15e-06	0.0	-5.00e-06
1822	72	-2.83e-06	0.73	-0.02	4.92e-04	0.0	-8.68e-06
1822	92	-3.48e-03	-0.03	-0.01	4.17e-06	0.0	-3.44e-06
1822	98	-2.96e-03	-0.02	-0.02	3.16e-06	0.0	-2.72e-06
1822	102	-1.42e-03	0.13	-0.02	9.95e-05	0.0	-2.96e-06
1822	105	-2.57e-03	-0.14	-0.02	-3.14e-05	0.0	-1.27e-06
1822	106	-1.78e-03	-0.01	-0.02	1.39e-06	0.0	-1.53e-06
1822	107	-2.79e-03	-0.02	-0.02	2.91e-06	0.0	-2.55e-06
1822	111	-2.34	1.48	-0.08	-4.60e-04	0.0	2.56e-04
1822	114	-2.34	3.73	-0.08	-1.14e-03	0.0	2.54e-04
1822	129	-0.55	-4.83	-0.03	1.45e-03	0.0	-1.97e-04
1822	143	-2.63	1.67	-0.09	-5.19e-04	0.0	2.89e-04
1822	146	-2.63	4.20	-0.09	-1.29e-03	0.0	2.87e-04
1822	161	-0.62	-5.44	-0.03	1.63e-03	0.0	-2.23e-04
1822	175	-2.53	1.66	-0.08	-5.17e-04	0.0	2.87e-04
1822	178	-2.53	4.16	-0.08	-1.27e-03	0.0	2.84e-04
1822	193	-0.62	-5.44	-0.03	1.63e-03	0.0	-2.26e-04
1822	207	-2.91	1.95	-0.09	-6.09e-04	0.0	3.37e-04
1822	210	-2.91	4.86	-0.10	-1.49e-03	0.0	3.33e-04
1822	225	-0.71	-6.40	-0.03	1.92e-03	0.0	-2.69e-04
1823	15	0.01	0.76	-0.02	7.58e-04	0.0	-1.03e-05
1823	28	0.03	-0.50	-0.02	-1.55e-04	0.0	3.35e-06
1823	44	0.03	-0.80	-0.02	-2.63e-04	0.0	7.91e-06
1823	72	9.94e-03	0.50	-0.02	5.06e-04	0.0	-6.85e-06
1823	80	0.02	-0.34	-0.01	-1.03e-04	0.0	2.26e-06
1823	88	0.02	-0.54	-0.01	-1.75e-04	0.0	5.30e-06
1823	102	9.91e-03	0.09	-0.02	1.02e-04	0.0	-1.61e-06
1823	105	0.01	-0.12	-0.02	-3.29e-05	0.0	0.0
1823	106	9.91e-03	-0.01	-0.02	1.25e-06	0.0	0.0
1823	107	0.01	-0.02	-0.02	2.72e-06	0.0	-1.07e-06
1823	113	2.58	-4.27	0.05	1.15e-03	0.0	-2.86e-04
1823	114	-2.56	4.23	-0.08	-1.14e-03	0.0	2.84e-04
1823	129	-0.58	-5.45	-0.03	1.44e-03	0.0	-2.17e-04
1823	145	2.90	-4.80	0.06	1.29e-03	0.0	-3.22e-04
1823	146	-2.88	4.76	-0.09	-1.28e-03	0.0	3.20e-04
1823	161	-0.65	-6.14	-0.03	1.62e-03	0.0	-2.45e-04
1823	177	2.79	-4.75	0.05	1.28e-03	0.0	-3.19e-04
1823	178	-2.76	4.71	-0.08	-1.27e-03	0.0	3.17e-04
1823	193	-0.65	-6.14	-0.03	1.63e-03	0.0	-2.48e-04
1823	209	3.21	-5.55	0.06	1.49e-03	0.0	-3.74e-04
1823	210	-3.18	5.51	-0.09	-1.49e-03	0.0	3.72e-04
1823	225	-0.75	-7.22	-0.03	1.91e-03	0.0	-2.96e-04
1824	15	-6.11e-03	1.43	-0.03	7.64e-04	0.0	-3.92e-05
1824	19	-2.80e-03	1.44	-0.02	7.63e-04	0.0	-3.82e-05
1824	28	-0.02	-0.64	-0.02	-1.53e-04	0.0	6.95e-06
1824	72	-4.75e-03	0.95	-0.02	5.10e-04	0.0	-2.63e-05
1824	80	-0.01	-0.43	-0.02	-1.02e-04	0.0	4.46e-06
1824	98	-0.01	-0.02	-0.02	4.25e-06	0.0	-3.38e-06
1824	102	-7.07e-03	0.18	-0.02	1.04e-04	0.0	-6.96e-06
1824	106	-7.64e-03	-0.01	-0.02	2.31e-06	0.0	-2.12e-06
1824	107	-0.01	-0.02	-0.02	3.97e-06	0.0	-3.20e-06
1824	111	-2.12	1.17	-0.04	-4.21e-04	0.0	2.20e-04
1824	114	-2.11	3.13	-0.04	-1.10e-03	0.0	2.19e-04
1824	129	-0.51	-4.16	-7.36e-03	1.43e-03	0.0	-1.72e-04
1824	143	-2.38	1.32	-0.04	-4.75e-04	0.0	2.49e-04
1824	146	-2.37	3.52	-0.04	-1.24e-03	0.0	2.47e-04
1824	161	-0.57	-4.68	-6.04e-03	1.61e-03	0.0	-1.94e-04
1824	175	-2.28	1.31	-0.04	-4.74e-04	0.0	2.47e-04
1824	178	-2.28	3.48	-0.04	-1.23e-03	0.0	2.45e-04
1824	193	-0.57	-4.68	-6.58e-03	1.61e-03	0.0	-1.97e-04
1824	207	-2.63	1.55	-0.04	-5.59e-04	0.0	2.90e-04
1824	210	-2.62	4.07	-0.05	-1.44e-03	0.0	2.87e-04
1824	225	-0.66	-5.50	-4.73e-03	1.89e-03	0.0	-2.34e-04
1825	15	-9.60e-03	1.76	-0.03	7.67e-04	0.0	-5.25e-05
1825	19	-4.85e-03	1.77	-0.02	7.66e-04	0.0	-5.14e-05
1825	28	-0.03	-0.71	-0.02	-1.54e-04	0.0	9.55e-06
1825	72	-7.38e-03	1.17	-0.02	5.11e-04	0.0	-3.52e-05
1825	80	-0.02	-0.47	-0.02	-1.03e-04	0.0	6.14e-06
1825	98	-0.02	-0.02	-0.02	4.23e-06	0.0	-3.90e-06
1825	102	-0.01	0.23	-0.02	1.04e-04	0.0	-9.12e-06
1825	106	-0.01	-0.01	-0.02	2.29e-06	0.0	-2.59e-06

1825	107	-0.02	-0.02	-0.02	3.95e-06	0.0	-3.71e-06
1825	111	-1.94	0.99	-0.04	-4.21e-04	0.0	1.90e-04
1825	114	-1.93	2.65	-0.04	-1.10e-03	0.0	1.89e-04
1825	129	-0.48	-3.54	-7.52e-03	1.43e-03	0.0	-1.51e-04
1825	143	-2.18	1.12	-0.04	-4.75e-04	0.0	2.15e-04
1825	146	-2.17	2.99	-0.04	-1.24e-03	0.0	2.14e-04
1825	161	-0.54	-3.99	-6.23e-03	1.61e-03	0.0	-1.71e-04
1825	175	-2.10	1.11	-0.04	-4.74e-04	0.0	2.13e-04
1825	178	-2.09	2.95	-0.04	-1.23e-03	0.0	2.12e-04
1825	193	-0.54	-3.99	-6.75e-03	1.61e-03	0.0	-1.72e-04
1825	207	-2.41	1.31	-0.04	-5.59e-04	0.0	2.51e-04
1825	210	-2.40	3.45	-0.05	-1.44e-03	0.0	2.49e-04
1825	225	-0.62	-4.68	-4.93e-03	1.89e-03	0.0	-2.05e-04
1826	15	1.54e-03	1.10	-0.03	7.70e-04	0.0	-2.31e-05
1826	19	1.91e-03	1.11	-0.02	7.69e-04	0.0	-2.24e-05
1826	51	-2.43e-03	-0.03	-0.02	7.47e-06	0.0	-4.44e-06
1826	72	9.88e-04	0.73	-0.02	5.14e-04	0.0	-1.55e-05
1826	91	-1.66e-03	-0.02	-0.02	5.15e-06	0.0	-3.05e-06
1826	98	-1.37e-03	-0.02	-0.02	4.31e-06	0.0	-2.56e-06
1826	102	-3.61e-04	0.14	-0.02	1.05e-04	0.0	-4.23e-06
1826	105	-1.04e-03	-0.14	-0.02	-3.22e-05	0.0	0.0
1826	106	-6.98e-04	-0.01	-0.02	2.36e-06	0.0	-1.42e-06
1826	107	-1.27e-03	-0.02	-0.02	4.03e-06	0.0	-2.40e-06
1826	111	-2.34	1.35	-0.04	-4.21e-04	0.0	2.56e-04
1826	114	-2.34	3.61	-0.04	-1.10e-03	0.0	2.53e-04
1826	129	-0.55	-4.78	-7.36e-03	1.43e-03	0.0	-1.96e-04
1826	143	-2.63	1.53	-0.04	-4.75e-04	0.0	2.88e-04
1826	146	-2.63	4.06	-0.04	-1.24e-03	0.0	2.86e-04
1826	161	-0.62	-5.38	-6.04e-03	1.61e-03	0.0	-2.22e-04
1826	175	-2.53	1.52	-0.04	-4.74e-04	0.0	2.86e-04
1826	178	-2.53	4.02	-0.04	-1.23e-03	0.0	2.84e-04
1826	193	-0.62	-5.38	-6.58e-03	1.61e-03	0.0	-2.25e-04
1826	207	-2.91	1.79	-0.04	-5.58e-04	0.0	3.36e-04
1826	210	-2.91	4.70	-0.05	-1.44e-03	0.0	3.32e-04
1826	225	-0.71	-6.32	-4.73e-03	1.89e-03	0.0	-2.68e-04
1827	15	0.01	0.76	-0.03	7.79e-04	0.0	-1.06e-05
1827	28	0.03	-0.50	-0.02	-1.58e-04	0.0	2.73e-06
1827	44	0.02	-0.81	-0.02	-2.69e-04	0.0	7.33e-06
1827	72	9.75e-03	0.50	-0.02	5.20e-04	0.0	-7.06e-06
1827	80	0.02	-0.34	-0.02	-1.05e-04	0.0	1.82e-06
1827	88	0.02	-0.54	-0.02	-1.79e-04	0.0	4.88e-06
1827	102	9.64e-03	0.09	-0.02	1.06e-04	0.0	-1.88e-06
1827	105	0.01	-0.12	-0.02	-3.27e-05	0.0	0.0
1827	106	9.61e-03	-0.01	-0.02	2.39e-06	0.0	0.0
1827	107	0.01	-0.02	-0.02	4.08e-06	0.0	-1.42e-06
1827	113	2.58	-4.12	4.84e-03	1.11e-03	0.0	-2.86e-04
1827	114	-2.56	4.08	-0.04	-1.10e-03	0.0	2.83e-04
1827	129	-0.58	-5.39	-7.40e-03	1.43e-03	0.0	-2.17e-04
1827	145	2.90	-4.64	7.72e-03	1.25e-03	0.0	-3.22e-04
1827	146	-2.88	4.60	-0.04	-1.24e-03	0.0	3.19e-04
1827	161	-0.65	-6.07	-6.09e-03	1.61e-03	0.0	-2.45e-04
1827	177	2.79	-4.59	6.94e-03	1.24e-03	0.0	-3.19e-04
1827	178	-2.76	4.55	-0.04	-1.23e-03	0.0	3.17e-04
1827	193	-0.65	-6.07	-6.62e-03	1.61e-03	0.0	-2.48e-04
1827	209	3.21	-5.36	0.01	1.44e-03	0.0	-3.74e-04
1827	210	-3.18	5.32	-0.05	-1.44e-03	0.0	3.71e-04
1827	225	-0.75	-7.14	-4.78e-03	1.89e-03	0.0	-2.96e-04
1828	15	-4.70e-03	1.44	-0.02	7.47e-04	0.0	-1.60e-05
1828	19	-1.92e-03	1.44	-0.02	7.46e-04	0.0	-1.50e-05
1828	28	-0.02	-0.64	-0.02	-1.46e-04	0.0	0.0
1828	72	-3.70e-03	0.96	-0.02	4.98e-04	0.0	-1.08e-05
1828	80	-0.01	-0.43	-0.01	-9.72e-05	0.0	0.0
1828	98	-9.76e-03	-0.02	-0.02	5.10e-06	0.0	-3.33e-06
1828	102	-5.88e-03	0.18	-0.02	1.02e-04	0.0	-3.83e-06
1828	106	-6.42e-03	-0.01	-0.02	3.04e-06	0.0	-2.08e-06
1828	107	-9.28e-03	-0.02	-0.02	4.81e-06	0.0	-3.15e-06
1828	108	2.10	-1.09	-0.04	3.94e-04	0.0	-2.29e-04
1828	111	-2.12	1.06	9.70e-03	-3.84e-04	0.0	2.23e-04
1828	129	-0.51	-4.11	-7.28e-03	1.42e-03	0.0	-1.74e-04
1828	140	2.36	-1.23	-0.04	4.43e-04	0.0	-2.57e-04
1828	143	-2.38	1.20	0.01	-4.34e-04	0.0	2.51e-04
1828	161	-0.57	-4.63	-6.20e-03	1.60e-03	0.0	-1.96e-04
1828	172	2.26	-1.22	-0.04	4.42e-04	0.0	-2.56e-04
1828	175	-2.28	1.19	0.01	-4.33e-04	0.0	2.49e-04
1828	193	-0.57	-4.62	-6.12e-03	1.60e-03	0.0	-1.98e-04

1828	204	2.61	-1.44	-0.05	5.20e-04	0.0	-2.99e-04
1828	207	-2.63	1.40	0.02	-5.10e-04	0.0	2.93e-04
1828	225	-0.66	-5.43	-4.54e-03	1.88e-03	0.0	-2.37e-04
1829	15	-8.05e-03	1.75	-0.02	7.43e-04	0.0	6.73e-05
1829	19	-4.04e-03	1.76	-0.02	7.42e-04	0.0	6.84e-05
1829	28	-0.02	-0.70	-0.02	-1.45e-04	0.0	-2.65e-05
1829	72	-6.24e-03	1.17	-0.02	4.96e-04	0.0	4.46e-05
1829	80	-0.02	-0.47	-0.01	-9.65e-05	0.0	-1.79e-05
1829	98	-0.01	-0.02	-0.02	5.08e-06	0.0	-3.94e-06
1829	102	-8.81e-03	0.23	-0.02	1.02e-04	0.0	6.82e-06
1829	106	-9.46e-03	-9.91e-03	-0.02	3.02e-06	0.0	-2.62e-06
1829	107	-0.01	-0.01	-0.02	4.78e-06	0.0	-3.75e-06
1829	108	1.92	-0.92	-0.04	3.94e-04	0.0	-2.07e-04
1829	111	-1.95	0.89	6.59e-03	-3.84e-04	0.0	1.99e-04
1829	129	-0.48	-3.50	-7.91e-03	1.42e-03	0.0	-1.61e-04
1829	140	2.16	-1.04	-0.04	4.43e-04	0.0	-2.32e-04
1829	143	-2.19	1.01	9.36e-03	-4.34e-04	0.0	2.25e-04
1829	161	-0.54	-3.94	-6.92e-03	1.60e-03	0.0	-1.81e-04
1829	172	2.08	-1.03	-0.04	4.42e-04	0.0	-2.30e-04
1829	175	-2.10	1.00	8.19e-03	-4.33e-04	0.0	2.23e-04
1829	193	-0.53	-3.93	-6.83e-03	1.60e-03	0.0	-1.84e-04
1829	204	2.39	-1.21	-0.04	5.20e-04	0.0	-2.69e-04
1829	207	-2.42	1.18	0.01	-5.11e-04	0.0	2.62e-04
1829	225	-0.62	-4.61	-5.38e-03	1.88e-03	0.0	-2.19e-04
1830	15	2.54e-03	1.11	-0.02	7.70e-04	0.0	-3.22e-05
1830	19	2.58e-03	1.12	-0.02	7.69e-04	0.0	-3.15e-05
1830	20	2.75e-03	1.12	-0.02	7.69e-04	0.0	-3.18e-05
1830	72	1.73e-03	0.74	-0.02	5.14e-04	0.0	-2.15e-05
1830	73	1.85e-03	0.74	-0.02	5.14e-04	0.0	-2.18e-05
1830	102	4.32e-04	0.14	-0.02	1.05e-04	0.0	-5.47e-06
1830	105	1.09e-04	-0.14	-0.02	-3.11e-05	0.0	0.0
1830	106	1.08e-04	-0.01	-0.02	3.14e-06	0.0	-1.45e-06
1830	107	-1.39e-04	-0.02	-0.02	4.94e-06	0.0	-2.43e-06
1830	108	2.34	-1.27	-0.04	3.94e-04	0.0	-2.60e-04
1830	111	-2.34	1.23	0.01	-3.84e-04	0.0	2.55e-04
1830	129	-0.55	-4.72	-6.97e-03	1.42e-03	0.0	-1.96e-04
1830	140	2.63	-1.42	-0.05	4.43e-04	0.0	-2.92e-04
1830	143	-2.63	1.39	0.01	-4.33e-04	0.0	2.87e-04
1830	161	-0.62	-5.32	-5.86e-03	1.60e-03	0.0	-2.21e-04
1830	172	2.52	-1.42	-0.04	4.42e-04	0.0	-2.90e-04
1830	175	-2.52	1.38	0.01	-4.32e-04	0.0	2.86e-04
1830	193	-0.62	-5.32	-5.77e-03	1.60e-03	0.0	-2.24e-04
1830	204	2.91	-1.66	-0.05	5.20e-04	0.0	-3.40e-04
1830	207	-2.91	1.63	0.02	-5.10e-04	0.0	3.35e-04
1830	225	-0.71	-6.24	-4.14e-03	1.88e-03	0.0	-2.67e-04
1831	15	0.01	0.76	-0.02	7.89e-04	0.0	-1.09e-05
1831	28	0.02	-0.50	-0.02	-1.58e-04	0.0	1.88e-06
1831	44	0.02	-0.81	-0.02	-2.72e-04	0.0	6.51e-06
1831	72	9.56e-03	0.51	-0.02	5.27e-04	0.0	-7.31e-06
1831	80	0.02	-0.34	-0.01	-1.05e-04	0.0	1.21e-06
1831	88	0.02	-0.54	-0.01	-1.81e-04	0.0	4.30e-06
1831	102	9.36e-03	0.09	-0.02	1.08e-04	0.0	-2.24e-06
1831	105	0.01	-0.12	-0.02	-3.22e-05	0.0	0.0
1831	106	9.31e-03	-0.01	-0.02	3.25e-06	0.0	0.0
1831	107	0.01	-0.02	-0.02	5.08e-06	0.0	-1.90e-06
1831	108	2.58	-1.44	-0.04	3.94e-04	0.0	-2.89e-04
1831	113	2.58	-3.98	-0.04	1.07e-03	0.0	-2.87e-04
1831	129	-0.58	-5.33	-6.98e-03	1.41e-03	0.0	-2.17e-04
1831	140	2.90	-1.62	-0.05	4.43e-04	0.0	-3.26e-04
1831	145	2.90	-4.48	-0.04	1.21e-03	0.0	-3.23e-04
1831	161	-0.65	-6.01	-5.86e-03	1.59e-03	0.0	-2.45e-04
1831	172	2.78	-1.61	-0.04	4.42e-04	0.0	-3.24e-04
1831	177	2.79	-4.43	-0.04	1.20e-03	0.0	-3.20e-04
1831	193	-0.65	-6.00	-5.78e-03	1.59e-03	0.0	-2.49e-04
1831	204	3.20	-1.89	-0.05	5.20e-04	0.0	-3.79e-04
1831	209	3.21	-5.17	-0.04	1.40e-03	0.0	-3.75e-04
1831	225	-0.76	-7.05	-4.15e-03	1.87e-03	0.0	-2.97e-04
1832	4	0.09	0.46	-0.61	2.33e-05	1.35e-04	-1.08e-05
1832	44	0.06	-0.86	-0.45	2.09e-04	1.04e-04	-6.12e-06
1832	68	0.06	0.30	-0.42	1.87e-05	9.44e-05	-7.52e-06
1832	88	0.04	-0.57	-0.32	1.43e-04	7.36e-05	-4.37e-06
1832	98	0.05	-0.02	-0.34	5.63e-05	7.48e-05	-5.64e-06
1832	105	0.04	-0.13	-0.31	6.99e-05	6.99e-05	-5.02e-06
1832	107	0.04	-0.02	-0.32	5.34e-05	7.11e-05	-5.34e-06
1832	109	4.91	2.71	0.05	7.20e-04	9.76e-04	-4.20e-04

1832	114	-3.85	-2.53	-0.74	-6.80e-04	-8.48e-04	3.28e-04
1832	139	-2.68	-6.32	-0.10	1.09e-03	-5.65e-04	2.47e-04
1832	141	5.53	3.06	0.09	8.03e-04	1.09e-03	-4.73e-04
1832	146	-4.35	-2.85	-0.79	-7.72e-04	-9.64e-04	3.70e-04
1832	171	-3.03	-7.12	-0.07	1.22e-03	-6.46e-04	2.80e-04
1832	173	5.53	3.06	0.08	7.78e-04	1.08e-03	-4.72e-04
1832	178	-4.34	-2.83	-0.78	-7.51e-04	-9.52e-04	3.68e-04
1832	203	-3.07	-7.14	-0.07	1.21e-03	-6.41e-04	2.86e-04
1832	205	6.48	3.62	0.14	8.91e-04	1.25e-03	-5.55e-04
1832	210	-5.11	-3.31	-0.86	-8.80e-04	-1.12e-03	4.33e-04
1832	235	-3.66	-8.41	-0.03	1.41e-03	-7.68e-04	3.44e-04
1833	4	0.09	0.45	-0.50	-1.53e-05	0.0	-6.93e-06
1833	44	0.06	-0.86	-0.38	2.07e-04	0.0	-1.08e-05
1833	68	0.06	0.30	-0.35	-8.08e-06	0.0	-4.91e-06
1833	88	0.04	-0.58	-0.27	1.40e-04	0.0	-7.47e-06
1833	98	0.05	-0.02	-0.28	4.08e-05	0.0	-5.21e-06
1833	105	0.04	-0.13	-0.26	5.80e-05	0.0	-5.36e-06
1833	107	0.04	-0.02	-0.27	3.87e-05	0.0	-4.95e-06
1833	109	4.91	2.55	-0.10	8.11e-04	0.0	-4.09e-04
1833	134	0.34	3.87	-0.50	-1.20e-03	0.0	-2.87e-05
1833	139	-2.68	-6.26	-0.10	1.28e-03	0.0	2.41e-04
1833	141	5.53	2.88	-0.08	9.08e-04	0.0	-4.60e-04
1833	166	0.38	4.36	-0.53	-1.35e-03	0.0	-3.20e-05
1833	171	-3.03	-7.06	-0.08	1.43e-03	0.0	2.73e-04
1833	173	5.53	2.89	-0.09	8.76e-04	0.0	-4.60e-04
1833	198	0.39	4.35	-0.53	-1.34e-03	0.0	-3.32e-05
1833	203	-3.07	-7.07	-0.08	1.42e-03	0.0	2.78e-04
1833	205	6.48	3.41	-0.06	1.00e-03	0.0	-5.40e-04
1833	230	0.45	5.09	-0.57	-1.56e-03	0.0	-3.98e-05
1833	235	-3.66	-8.33	-0.05	1.65e-03	0.0	3.34e-04
1834	4	0.16	0.48	-0.66	-2.24e-05	1.29e-04	-2.53e-05
1834	44	0.12	-0.96	-0.49	2.01e-04	1.07e-04	-1.66e-05
1834	68	0.11	0.32	-0.46	-1.29e-05	8.99e-05	-1.76e-05
1834	88	0.08	-0.64	-0.35	1.36e-04	7.55e-05	-1.18e-05
1834	98	0.09	-0.03	-0.37	3.67e-05	7.32e-05	-1.34e-05
1834	105	0.08	-0.15	-0.34	5.42e-05	6.91e-05	-1.22e-05
1834	107	0.08	-0.03	-0.35	3.48e-05	6.95e-05	-1.27e-05
1834	109	5.55	2.83	0.05	7.93e-04	9.76e-04	-4.67e-04
1834	134	0.43	4.27	-0.82	-1.14e-03	1.72e-04	-3.94e-05
1834	139	-2.98	-6.95	-0.06	1.21e-03	-5.84e-04	2.66e-04
1834	141	6.25	3.20	0.10	8.87e-04	1.09e-03	-5.25e-04
1834	166	0.47	4.81	-0.88	-1.28e-03	1.84e-04	-4.32e-05
1834	171	-3.37	-7.83	-0.03	1.36e-03	-6.67e-04	3.03e-04
1834	173	6.24	3.20	0.08	8.59e-04	1.08e-03	-5.25e-04
1834	198	0.48	4.81	-0.87	-1.27e-03	1.82e-04	-4.48e-05
1834	203	-3.41	-7.85	-0.03	1.35e-03	-6.60e-04	3.09e-04
1834	205	7.31	3.78	0.14	9.87e-04	1.25e-03	-6.15e-04
1834	230	0.55	5.63	-0.95	-1.48e-03	2.00e-04	-5.24e-05
1834	235	-4.06	-9.23	0.02	1.57e-03	-7.88e-04	3.72e-04
1835	4	0.16	0.47	-0.56	-2.40e-05	0.0	-2.44e-05
1835	44	0.12	-0.97	-0.42	2.04e-04	0.0	-1.84e-05
1835	68	0.11	0.31	-0.39	-1.40e-05	0.0	-1.70e-05
1835	88	0.08	-0.65	-0.30	1.38e-04	0.0	-1.30e-05
1835	98	0.09	-0.04	-0.31	3.66e-05	0.0	-1.34e-05
1835	105	0.08	-0.16	-0.29	5.44e-05	0.0	-1.25e-05
1835	107	0.08	-0.04	-0.30	3.47e-05	0.0	-1.27e-05
1835	109	5.55	2.67	-0.11	7.95e-04	0.0	-4.46e-04
1835	134	0.43	4.31	-0.56	-1.17e-03	0.0	2.52e-04
1835	139	-2.98	-6.91	-0.11	1.24e-03	0.0	-3.77e-05
1835	141	6.25	3.01	-0.09	8.90e-04	0.0	-5.01e-04
1835	166	0.47	4.86	-0.60	-1.32e-03	0.0	2.86e-04
1835	171	-3.37	-7.78	-0.08	1.39e-03	0.0	-4.05e-05
1835	173	6.24	3.01	-0.10	8.61e-04	0.0	-5.02e-04
1835	198	0.48	4.85	-0.59	-1.30e-03	0.0	2.86e-04
1835	203	-3.41	-7.79	-0.08	1.38e-03	0.0	-3.59e-05
1835	205	7.31	3.56	-0.07	9.88e-04	0.0	-5.89e-04
1835	230	0.55	5.69	-0.64	-1.52e-03	0.0	3.39e-04
1835	235	-4.06	-9.16	-0.05	1.61e-03	0.0	-3.62e-05
1836	4	0.23	0.49	-0.71	-3.15e-05	1.14e-04	-3.76e-05
1836	44	0.18	-1.07	-0.51	1.96e-04	1.01e-04	-2.65e-05
1836	68	0.16	0.33	-0.49	-1.92e-05	8.01e-05	-2.61e-05
1836	88	0.13	-0.71	-0.36	1.33e-04	7.10e-05	-1.87e-05
1836	98	0.13	-0.05	-0.39	3.18e-05	6.65e-05	-2.02e-05
1836	105	0.12	-0.18	-0.36	5.00e-05	6.34e-05	-1.86e-05
1836	107	0.12	-0.05	-0.37	3.02e-05	6.33e-05	-1.91e-05

1836	109	6.19	2.96	0.05	-2.76e-04	9.32e-04	-4.99e-04
1836	134	0.52	4.71	-0.89	-8.34e-04	-6.44e-04	-4.97e-05
1836	139	-3.28	-7.58	-0.03	1.22e-03	2.44e-04	2.79e-04
1836	141	6.96	3.35	0.10	-3.15e-04	1.04e-03	-5.61e-04
1836	166	0.57	5.31	-0.96	-9.43e-04	-7.32e-04	-5.40e-05
1836	171	-3.72	-8.54	7.28e-03	1.37e-03	2.67e-04	3.17e-04
1836	173	6.94	3.35	0.08	-3.02e-04	1.03e-03	-5.61e-04
1836	198	0.58	5.30	-0.94	-9.40e-04	-7.20e-04	-5.51e-05
1836	203	-3.75	-8.55	6.59e-03	1.36e-03	2.60e-04	3.23e-04
1836	205	8.12	3.95	0.14	-3.54e-04	1.19e-03	-6.57e-04
1836	230	0.66	6.21	-1.04	-1.10e-03	-8.50e-04	-6.32e-05
1836	235	-4.47	-10.06	0.07	1.59e-03	2.85e-04	3.90e-04
1837	4	0.23	0.48	-0.60	-2.93e-05	0.0	-3.52e-05
1837	44	0.18	-1.08	-0.45	1.98e-04	0.0	-2.47e-05
1837	68	0.16	0.32	-0.42	-1.77e-05	0.0	-2.45e-05
1837	88	0.13	-0.72	-0.32	1.34e-04	0.0	-1.75e-05
1837	98	0.13	-0.06	-0.33	3.31e-05	0.0	-1.89e-05
1837	105	0.12	-0.19	-0.31	5.11e-05	0.0	-1.73e-05
1837	107	0.12	-0.05	-0.32	3.14e-05	0.0	-1.78e-05
1837	109	6.19	2.78	-0.11	7.91e-04	0.0	-4.78e-04
1837	134	0.52	4.76	-0.62	-1.16e-03	0.0	2.67e-04
1837	139	-3.28	-7.55	-0.10	1.23e-03	0.0	-4.79e-05
1837	141	6.96	3.15	-0.09	8.86e-04	0.0	-5.36e-04
1837	166	0.57	5.37	-0.65	-1.31e-03	0.0	3.03e-04
1837	171	-3.71	-8.50	-0.07	1.38e-03	0.0	-5.12e-05
1837	173	6.94	3.14	-0.10	8.58e-04	0.0	-5.37e-04
1837	198	0.58	5.36	-0.65	-1.29e-03	0.0	3.03e-04
1837	203	-3.75	-8.50	-0.07	1.37e-03	0.0	-4.58e-05
1837	205	8.12	3.71	-0.07	9.86e-04	0.0	-6.29e-04
1837	230	0.66	6.28	-0.70	-1.51e-03	0.0	3.60e-04
1837	235	-4.47	-9.99	-0.03	1.59e-03	0.0	-4.63e-05
1838	4	0.29	0.51	-0.74	-3.65e-05	8.07e-05	-4.89e-05
1838	44	0.23	-1.17	-0.54	1.91e-04	7.51e-05	-3.69e-05
1838	68	0.20	0.34	-0.52	-2.27e-05	5.68e-05	-3.40e-05
1838	88	0.16	-0.78	-0.38	1.29e-04	5.31e-05	-2.60e-05
1838	98	0.16	-0.07	-0.41	2.82e-05	4.85e-05	-2.69e-05
1838	105	0.15	-0.20	-0.38	4.65e-05	4.66e-05	-2.49e-05
1838	107	0.15	-0.06	-0.39	2.68e-05	4.62e-05	-2.54e-05
1838	109	6.79	3.10	0.04	-2.81e-04	9.77e-04	-5.48e-04
1838	134	0.62	5.15	-0.95	-8.39e-04	-5.57e-04	-5.87e-05
1838	139	-3.57	-8.22	-0.02	1.22e-03	2.07e-04	2.98e-04
1838	141	7.63	3.50	0.09	-3.20e-04	1.09e-03	-6.15e-04
1838	166	0.68	5.80	-1.02	-9.47e-04	-6.33e-04	-6.34e-05
1838	171	-4.05	-9.26	0.03	1.37e-03	2.27e-04	3.40e-04
1838	173	7.60	3.49	0.07	-3.06e-04	1.08e-03	-6.16e-04
1838	198	0.68	5.79	-1.01	-9.45e-04	-6.21e-04	-6.46e-05
1838	203	-4.08	-9.26	0.03	1.36e-03	2.21e-04	3.47e-04
1838	205	8.89	4.12	0.14	-3.58e-04	1.25e-03	-7.21e-04
1838	230	0.77	6.79	-1.10	-1.11e-03	-7.32e-04	-7.32e-05
1838	235	-4.87	-10.89	0.10	1.59e-03	2.43e-04	4.20e-04
1839	4	0.29	0.50	-0.63	-3.69e-05	0.0	-4.06e-05
1839	44	0.23	-1.18	-0.47	1.90e-04	0.0	-2.85e-05
1839	68	0.20	0.33	-0.44	-2.30e-05	0.0	-2.82e-05
1839	88	0.16	-0.79	-0.34	1.28e-04	0.0	-2.01e-05
1839	98	0.16	-0.07	-0.35	2.80e-05	0.0	-2.17e-05
1839	105	0.15	-0.21	-0.33	4.63e-05	0.0	-1.99e-05
1839	107	0.15	-0.07	-0.33	2.66e-05	0.0	-2.05e-05
1839	109	6.79	2.91	-0.12	-2.64e-04	0.0	-5.07e-04
1839	134	0.62	5.20	-0.67	-8.33e-04	0.0	2.79e-04
1839	139	-3.58	-8.18	-0.09	1.21e-03	0.0	-5.06e-05
1839	141	7.63	3.29	-0.09	-3.01e-04	0.0	-5.69e-04
1839	166	0.68	5.86	-0.71	-9.41e-04	0.0	3.17e-04
1839	171	-4.05	-9.21	-0.06	1.36e-03	0.0	-5.39e-05
1839	173	7.60	3.28	-0.10	-2.89e-04	0.0	-5.70e-04
1839	198	0.68	5.85	-0.70	-9.38e-04	0.0	3.17e-04
1839	203	-4.08	-9.21	-0.06	1.35e-03	0.0	-4.84e-05
1839	205	8.90	3.87	-0.07	-3.38e-04	0.0	-6.67e-04
1839	230	0.77	6.86	-0.76	-1.10e-03	0.0	3.77e-04
1839	235	-4.87	-10.82	-0.02	1.57e-03	0.0	-4.87e-05
1840	4	0.09	0.45	-0.43	-7.11e-06	0.0	-6.65e-06
1840	44	0.06	-0.87	-0.33	2.11e-04	0.0	-1.26e-05
1840	68	0.06	0.30	-0.30	-2.40e-06	0.0	-4.75e-06
1840	88	0.04	-0.58	-0.23	1.43e-04	0.0	-8.69e-06
1840	98	0.05	-0.02	-0.24	4.47e-05	0.0	-5.50e-06
1840	105	0.04	-0.13	-0.23	6.13e-05	0.0	-5.82e-06

1840	107	0.04	-0.02	-0.23	4.23e-05	0.0	-5.23e-06
1840	109	4.91	2.40	-0.14	7.83e-04	0.0	-4.02e-04
1840	136	2.77	6.18	-0.38	-1.18e-03	0.0	1.61e-05
1840	139	-2.68	-6.22	-0.08	1.26e-03	0.0	-2.66e-05
1840	141	5.53	2.71	-0.13	8.76e-04	0.0	-4.52e-04
1840	168	3.12	6.97	-0.40	-1.33e-03	0.0	1.86e-05
1840	171	-3.03	-7.01	-0.06	1.41e-03	0.0	-2.90e-05
1840	173	5.53	2.72	-0.13	8.45e-04	0.0	-4.53e-04
1840	200	3.16	6.98	-0.40	-1.32e-03	0.0	1.49e-05
1840	203	-3.07	-7.02	-0.06	1.40e-03	0.0	-2.53e-05
1840	205	6.48	3.21	-0.12	9.68e-04	0.0	-5.32e-04
1840	232	3.75	8.22	-0.43	-1.54e-03	0.0	1.53e-05
1840	235	-3.66	-8.26	-0.04	1.63e-03	0.0	-2.58e-05
1841	4	0.16	0.46	-0.48	-1.42e-05	0.0	-2.32e-05
1841	44	0.12	-0.98	-0.36	2.07e-04	0.0	-1.89e-05
1841	68	0.11	0.30	-0.34	-7.28e-06	0.0	-1.62e-05
1841	88	0.08	-0.65	-0.26	1.40e-04	0.0	-1.33e-05
1841	98	0.09	-0.04	-0.27	4.10e-05	0.0	-1.31e-05
1841	105	0.08	-0.16	-0.25	5.82e-05	0.0	-1.23e-05
1841	107	0.08	-0.04	-0.26	3.89e-05	0.0	-1.24e-05
1841	109	5.55	2.50	-0.16	7.84e-04	0.0	-4.38e-04
1841	136	3.14	6.79	-0.43	-1.17e-03	0.0	1.63e-05
1841	139	-2.98	-6.87	-0.09	1.25e-03	0.0	-4.11e-05
1841	141	6.25	2.83	-0.14	8.78e-04	0.0	-4.92e-04
1841	168	3.53	7.66	-0.45	-1.33e-03	0.0	1.95e-05
1841	171	-3.37	-7.74	-0.07	1.40e-03	0.0	-4.43e-05
1841	173	6.24	2.83	-0.15	8.48e-04	0.0	-4.93e-04
1841	200	3.57	7.66	-0.45	-1.31e-03	0.0	1.45e-05
1841	203	-3.41	-7.75	-0.07	1.39e-03	0.0	-3.93e-05
1841	205	7.31	3.34	-0.13	9.72e-04	0.0	-5.78e-04
1841	232	4.23	9.02	-0.48	-1.54e-03	0.0	1.51e-05
1841	235	-4.06	-9.10	-0.04	1.62e-03	0.0	-3.99e-05
1842	4	0.23	0.46	-0.51	-2.43e-05	0.0	-3.40e-05
1842	44	0.18	-1.09	-0.39	2.00e-04	0.0	-2.39e-05
1842	68	0.16	0.31	-0.36	-1.43e-05	0.0	-2.36e-05
1842	88	0.13	-0.73	-0.28	1.35e-04	0.0	-1.69e-05
1842	98	0.13	-0.07	-0.29	3.53e-05	0.0	-1.82e-05
1842	105	0.12	-0.19	-0.27	5.30e-05	0.0	-1.67e-05
1842	107	0.12	-0.06	-0.27	3.35e-05	0.0	-1.72e-05
1842	109	6.19	2.61	-0.16	7.75e-04	0.0	-4.68e-04
1842	138	0.80	4.78	-0.46	-8.39e-04	0.0	2.75e-04
1842	139	-3.28	-7.52	-0.13	1.22e-03	0.0	-5.20e-05
1842	141	6.96	2.95	-0.15	8.67e-04	0.0	-5.25e-04
1842	166	0.57	5.43	-0.48	-1.30e-03	0.0	3.03e-04
1842	171	-3.71	-8.46	-0.11	1.37e-03	0.0	-5.58e-05
1842	173	6.94	2.95	-0.16	8.40e-04	0.0	-5.26e-04
1842	202	0.84	5.33	-0.48	-9.42e-04	0.0	3.16e-04
1842	203	-3.75	-8.46	-0.11	1.36e-03	0.0	-4.99e-05
1842	205	8.12	3.48	-0.14	9.65e-04	0.0	-6.16e-04
1842	234	0.92	6.19	-0.52	-1.10e-03	0.0	3.80e-04
1842	235	-4.47	-9.94	-0.09	1.58e-03	0.0	-5.08e-05
1843	4	0.29	0.48	-0.53	-3.68e-05	0.0	-3.87e-05
1843	44	0.23	-1.19	-0.41	1.89e-04	0.0	-2.57e-05
1843	68	0.20	0.32	-0.37	-2.30e-05	0.0	-2.68e-05
1843	88	0.17	-0.80	-0.29	1.28e-04	0.0	-1.82e-05
1843	98	0.16	-0.08	-0.30	2.78e-05	0.0	-2.03e-05
1843	105	0.15	-0.22	-0.28	4.60e-05	0.0	-1.86e-05
1843	107	0.16	-0.08	-0.29	2.64e-05	0.0	-1.92e-05
1843	109	6.80	2.72	-0.17	-2.37e-04	0.0	-4.93e-04
1843	136	3.89	7.99	-0.49	-1.11e-03	0.0	1.35e-05
1843	139	-3.58	-8.14	-0.08	1.17e-03	0.0	-5.20e-05
1843	141	7.64	3.08	-0.15	-2.71e-04	0.0	-5.54e-04
1843	168	4.37	9.01	-0.51	-1.26e-03	0.0	1.71e-05
1843	171	-4.06	-9.17	-0.06	1.31e-03	0.0	-5.56e-05
1843	173	7.61	3.07	-0.16	-2.60e-04	0.0	-5.54e-04
1843	200	4.40	9.01	-0.51	-1.25e-03	0.0	1.11e-05
1843	203	-4.09	-9.16	-0.06	1.30e-03	0.0	-4.96e-05
1843	205	8.91	3.63	-0.14	-3.05e-04	0.0	-6.49e-04
1843	232	5.18	10.60	-0.55	-1.47e-03	0.0	1.16e-05
1843	235	-4.87	-10.76	-0.02	1.52e-03	0.0	-5.01e-05
1844	4	0.09	0.45	-0.40	2.45e-06	0.0	-6.69e-06
1844	44	0.06	-0.87	-0.31	2.14e-04	0.0	-1.29e-05
1844	68	0.06	0.30	-0.28	4.19e-06	0.0	-4.78e-06
1844	88	0.04	-0.58	-0.22	1.45e-04	0.0	-8.90e-06
1844	98	0.05	-0.02	-0.23	4.90e-05	0.0	-5.58e-06

1844	105	0.04	-0.13	-0.21	6.50e-05	0.0	-5.92e-06
1844	107	0.04	-0.02	-0.22	4.64e-05	0.0	-5.30e-06
1844	108	3.94	4.88	-0.47	3.09e-04	0.0	-3.19e-04
1844	109	4.91	2.25	-0.38	7.83e-04	0.0	-4.02e-04
1844	139	-2.68	-6.18	-0.08	1.29e-03	0.0	-2.69e-05
1844	140	4.43	5.50	-0.50	3.42e-04	0.0	-3.59e-04
1844	141	5.53	2.54	-0.40	8.75e-04	0.0	-4.52e-04
1844	171	-3.03	-6.96	-0.06	1.44e-03	0.0	-2.94e-05
1844	172	4.43	5.43	-0.50	3.25e-04	0.0	-3.57e-04
1844	173	5.53	2.55	-0.40	8.43e-04	0.0	-4.52e-04
1844	203	-3.07	-6.97	-0.05	1.43e-03	0.0	-2.56e-05
1844	204	5.19	6.35	-0.55	3.65e-04	0.0	-4.18e-04
1844	205	6.48	3.01	-0.44	9.64e-04	0.0	-5.32e-04
1844	235	-3.66	-8.19	-0.02	1.66e-03	0.0	-2.61e-05
1845	4	0.16	0.45	-0.46	-5.73e-06	0.0	-2.29e-05
1845	44	0.12	-0.99	-0.35	2.10e-04	0.0	-1.90e-05
1845	68	0.11	0.29	-0.32	-1.44e-06	0.0	-1.60e-05
1845	88	0.08	-0.66	-0.25	1.43e-04	0.0	-1.34e-05
1845	98	0.09	-0.05	-0.26	4.49e-05	0.0	-1.30e-05
1845	105	0.08	-0.17	-0.24	6.15e-05	0.0	-1.22e-05
1845	107	0.08	-0.05	-0.25	4.25e-05	0.0	-1.23e-05
1845	108	4.45	5.21	-0.50	3.03e-04	0.0	-3.45e-04
1845	109	5.56	2.34	-0.41	7.78e-04	0.0	-4.36e-04
1845	139	-2.98	-6.84	-0.09	1.26e-03	0.0	-4.20e-05
1845	140	5.00	5.88	-0.53	3.36e-04	0.0	-3.87e-04
1845	141	6.25	2.64	-0.43	8.70e-04	0.0	-4.90e-04
1845	171	-3.37	-7.70	-0.08	1.42e-03	0.0	-4.53e-05
1845	172	4.99	5.80	-0.53	3.21e-04	0.0	-3.85e-04
1845	173	6.24	2.64	-0.43	8.40e-04	0.0	-4.91e-04
1845	203	-3.41	-7.70	-0.07	1.40e-03	0.0	-4.02e-05
1845	204	5.85	6.77	-0.58	3.62e-04	0.0	-4.50e-04
1845	205	7.31	3.13	-0.46	9.62e-04	0.0	-5.76e-04
1845	235	-4.06	-9.05	-0.04	1.63e-03	0.0	-4.09e-05
1846	4	0.23	0.45	-0.48	-1.95e-05	0.0	-3.38e-05
1846	44	0.18	-1.10	-0.37	2.01e-04	0.0	-2.38e-05
1846	68	0.16	0.30	-0.34	-1.10e-05	0.0	-2.35e-05
1846	88	0.13	-0.73	-0.27	1.36e-04	0.0	-1.68e-05
1846	98	0.13	-0.07	-0.27	3.74e-05	0.0	-1.81e-05
1846	105	0.12	-0.20	-0.26	5.47e-05	0.0	-1.66e-05
1846	107	0.12	-0.07	-0.26	3.55e-05	0.0	-1.71e-05
1846	108	4.95	5.56	-0.50	2.91e-04	0.0	-3.66e-04
1846	109	6.19	2.43	-0.40	7.62e-04	0.0	-4.65e-04
1846	139	-3.28	-7.49	-0.11	1.22e-03	0.0	-5.29e-05
1846	140	5.56	6.27	-0.53	3.24e-04	0.0	-4.11e-04
1846	141	6.95	2.75	-0.42	8.53e-04	0.0	-5.22e-04
1846	171	-3.71	-8.43	-0.08	1.37e-03	0.0	-5.68e-05
1846	172	5.55	6.17	-0.53	3.11e-04	0.0	-4.09e-04
1846	173	6.93	2.75	-0.42	8.25e-04	0.0	-5.23e-04
1846	203	-3.75	-8.43	-0.08	1.35e-03	0.0	-5.08e-05
1846	204	6.49	7.21	-0.57	3.53e-04	0.0	-4.77e-04
1846	205	8.12	3.25	-0.45	9.48e-04	0.0	-6.13e-04
1846	235	-4.47	-9.89	-0.05	1.58e-03	0.0	-5.18e-05
1847	4	0.29	0.46	-0.50	-3.73e-05	0.0	-3.94e-05
1847	44	0.24	-1.20	-0.39	1.87e-04	0.0	-2.58e-05
1847	68	0.20	0.30	-0.35	-2.33e-05	0.0	-2.73e-05
1847	88	0.17	-0.80	-0.28	1.26e-04	0.0	-1.83e-05
1847	98	0.17	-0.09	-0.28	2.72e-05	0.0	-2.06e-05
1847	105	0.16	-0.23	-0.27	4.53e-05	0.0	-1.88e-05
1847	107	0.16	-0.09	-0.27	2.59e-05	0.0	-1.95e-05
1847	109	6.81	2.54	-0.37	-2.16e-04	0.0	-4.91e-04
1847	124	-0.32	6.83	-0.46	-8.74e-04	0.0	2.83e-05
1847	139	-3.58	-8.11	-0.11	1.13e-03	0.0	-5.32e-05
1847	141	7.66	2.87	-0.38	-2.46e-04	0.0	-5.51e-04
1847	156	-0.38	7.69	-0.48	-9.86e-04	0.0	3.51e-05
1847	171	-4.06	-9.13	-0.09	1.27e-03	0.0	-5.69e-05
1847	173	7.63	2.86	-0.38	-2.37e-04	0.0	-5.52e-04
1847	188	-0.37	7.51	-0.48	-9.58e-04	0.0	3.94e-05
1847	203	-4.09	-9.12	-0.09	1.26e-03	0.0	-5.08e-05
1847	204	7.13	7.66	-0.52	-8.55e-04	0.0	-5.02e-04
1847	205	8.92	3.39	-0.40	-2.78e-04	0.0	-6.46e-04
1847	235	-4.88	-10.70	-0.05	1.47e-03	0.0	-5.14e-05
1848	4	0.31	0.53	-0.78	-4.19e-05	5.07e-05	-4.16e-05
1848	44	0.26	-1.26	-0.57	1.84e-04	5.00e-05	-3.01e-05
1848	68	0.22	0.35	-0.55	-2.66e-05	3.59e-05	-2.89e-05
1848	88	0.18	-0.85	-0.40	1.24e-04	3.55e-05	-2.13e-05

1848	98	0.18	-0.08	-0.43	2.43e-05	3.16e-05	-2.28e-05
1848	105	0.17	-0.23	-0.40	4.27e-05	3.07e-05	-2.10e-05
1848	107	0.17	-0.07	-0.41	2.30e-05	3.02e-05	-2.15e-05
1848	112	7.17	7.16	-0.18	-8.52e-04	6.47e-04	-5.22e-04
1848	134	0.68	5.56	-1.00	-8.65e-04	-4.69e-04	-5.36e-05
1848	139	-3.78	-8.82	-0.01	1.25e-03	1.55e-04	2.90e-04
1848	144	8.06	8.08	-0.15	-9.62e-04	7.25e-04	-5.85e-04
1848	166	0.74	6.27	-1.07	-9.77e-04	-5.32e-04	-5.81e-05
1848	171	-4.28	-9.93	0.04	1.41e-03	1.70e-04	3.30e-04
1848	176	8.03	8.00	-0.17	-9.38e-04	7.15e-04	-5.82e-04
1848	198	0.74	6.26	-1.06	-9.74e-04	-5.23e-04	-5.91e-05
1848	203	-4.31	-9.93	0.04	1.40e-03	1.65e-04	3.35e-04
1848	208	9.39	9.37	-0.14	-1.09e-03	8.29e-04	-6.80e-04
1848	230	0.84	7.34	-1.16	-1.14e-03	-6.15e-04	-6.77e-05
1848	235	-5.13	-11.67	0.11	1.63e-03	1.83e-04	4.04e-04
1849	4	0.31	0.52	-0.67	-4.33e-05	0.0	-3.58e-05
1849	44	0.26	-1.27	-0.50	1.81e-04	0.0	-2.35e-05
1849	68	0.22	0.34	-0.47	-2.75e-05	0.0	-2.49e-05
1849	88	0.18	-0.85	-0.35	1.22e-04	0.0	-1.67e-05
1849	98	0.18	-0.09	-0.37	2.32e-05	0.0	-1.89e-05
1849	105	0.17	-0.23	-0.35	4.16e-05	0.0	-1.72e-05
1849	107	0.17	-0.08	-0.35	2.21e-05	0.0	-1.79e-05
1849	112	7.17	6.98	-0.26	-7.80e-04	0.0	-5.17e-04
1849	134	0.67	5.62	-0.71	-8.05e-04	0.0	-5.02e-05
1849	139	-3.78	-8.78	-0.09	1.16e-03	0.0	2.93e-04
1849	144	8.06	7.87	-0.25	-8.81e-04	0.0	-5.81e-04
1849	166	0.74	6.34	-0.76	-9.08e-04	0.0	-5.46e-05
1849	171	-4.28	-9.88	-0.06	1.30e-03	0.0	3.33e-04
1849	176	8.02	7.80	-0.26	-8.60e-04	0.0	-5.78e-04
1849	198	0.74	6.32	-0.75	-9.06e-04	0.0	-5.56e-05
1849	203	-4.31	-9.88	-0.06	1.30e-03	0.0	3.38e-04
1849	208	9.38	9.13	-0.25	-1.00e-03	0.0	-6.76e-04
1849	230	0.83	7.41	-0.81	-1.06e-03	0.0	-6.41e-05
1849	235	-5.13	-11.60	-5.02e-03	1.51e-03	0.0	4.07e-04
1850	4	0.38	0.57	-0.84	-3.54e-05	-4.29e-06	-1.01e-04
1850	44	0.31	-1.35	-0.61	1.77e-04	9.51e-06	-5.76e-05
1850	68	0.26	0.38	-0.58	-2.21e-05	-2.13e-06	-7.01e-05
1850	88	0.22	-0.91	-0.43	1.19e-04	7.07e-06	-4.10e-05
1850	98	0.22	-0.08	-0.46	2.46e-05	1.40e-06	-5.20e-05
1850	105	0.20	-0.24	-0.43	4.20e-05	2.85e-06	-4.63e-05
1850	107	0.20	-0.08	-0.44	2.34e-05	1.86e-06	-4.90e-05
1850	109	7.60	3.39	4.39e-03	7.21e-04	7.02e-04	-6.48e-04
1850	134	0.73	6.05	-1.04	-1.06e-03	-4.73e-04	-1.25e-04
1850	139	-3.95	-9.51	-0.02	1.11e-03	1.43e-04	3.60e-04
1850	141	8.54	3.84	0.06	8.08e-04	7.91e-04	-7.24e-04
1850	166	0.80	6.83	-1.12	-1.19e-03	-5.33e-04	-1.36e-04
1850	171	-4.48	-10.71	0.03	1.24e-03	1.61e-04	4.13e-04
1850	173	8.50	3.82	0.03	7.82e-04	7.77e-04	-7.17e-04
1850	198	0.80	6.81	-1.10	-1.18e-03	-5.24e-04	-1.41e-04
1850	203	-4.51	-10.70	0.03	1.24e-03	1.56e-04	4.21e-04
1850	205	9.93	4.50	0.10	8.99e-04	9.05e-04	-8.32e-04
1850	230	0.90	7.99	-1.21	-1.38e-03	-6.10e-04	-1.61e-04
1850	235	-5.37	-12.57	0.11	1.44e-03	1.77e-04	5.12e-04
1851	4	0.35	0.54	-0.72	-4.42e-05	0.0	-5.24e-05
1851	44	0.29	-1.36	-0.54	1.72e-04	0.0	-2.56e-05
1851	68	0.24	0.36	-0.50	-2.82e-05	0.0	-3.63e-05
1851	88	0.20	-0.91	-0.38	1.16e-04	0.0	-1.85e-05
1851	98	0.20	-0.10	-0.40	2.04e-05	0.0	-2.60e-05
1851	105	0.19	-0.25	-0.37	3.82e-05	0.0	-2.28e-05
1851	107	0.19	-0.09	-0.38	1.95e-05	0.0	-2.47e-05
1851	109	7.58	3.15	-0.14	-2.38e-04	0.0	-6.09e-04
1851	134	0.72	6.01	-0.77	-7.48e-04	0.0	-9.21e-05
1851	139	-3.96	-9.34	-0.09	1.08e-03	0.0	3.68e-04
1851	141	8.51	3.57	-0.11	-2.70e-04	0.0	-6.83e-04
1851	166	0.79	6.78	-0.82	-8.45e-04	0.0	-1.01e-04
1851	171	-4.50	-10.51	-0.06	1.21e-03	0.0	4.19e-04
1851	173	8.47	3.55	-0.12	-2.59e-04	0.0	-6.77e-04
1851	198	0.79	6.76	-0.81	-8.42e-04	0.0	-1.06e-04
1851	203	-4.52	-10.50	-0.06	1.20e-03	0.0	4.26e-04
1851	205	9.90	4.19	-0.09	-3.03e-04	0.0	-7.89e-04
1851	230	0.89	7.93	-0.88	-9.88e-04	0.0	-1.24e-04
1851	235	-5.39	-12.33	-7.13e-04	1.40e-03	0.0	5.13e-04
1852	4	0.29	0.56	-0.93	6.22e-05	-2.21e-04	-7.67e-06
1852	44	0.25	-1.44	-0.68	1.71e-04	-1.41e-04	-8.29e-06
1852	52	0.29	-0.19	-0.88	1.06e-04	-2.05e-04	-8.95e-06

1852	68	0.20	0.37	-0.65	4.54e-05	-1.51e-04	-5.56e-06
1852	88	0.18	-0.96	-0.48	1.18e-04	-9.83e-05	-5.97e-06
1852	92	0.20	-0.13	-0.62	7.48e-05	-1.41e-04	-6.41e-06
1852	98	0.17	-0.11	-0.51	5.99e-05	-1.16e-04	-5.48e-06
1852	105	0.16	-0.27	-0.47	6.75e-05	-1.04e-04	-5.32e-06
1852	107	0.16	-0.10	-0.49	5.75e-05	-1.08e-04	-5.31e-06
1852	112	7.85	7.89	-0.26	1.41e-04	2.55e-04	-5.48e-04
1852	134	0.76	6.33	-1.11	-5.04e-04	-5.91e-04	-4.98e-05
1852	139	-4.20	-9.93	-0.06	6.20e-04	1.32e-04	3.39e-04
1852	144	8.83	8.89	-0.24	1.51e-04	3.01e-04	-6.16e-04
1852	166	0.83	7.14	-1.19	-5.75e-04	-6.51e-04	-5.60e-05
1852	171	-4.75	-11.18	-3.87e-03	6.90e-04	1.62e-04	3.83e-04
1852	176	8.78	8.80	-0.26	1.38e-04	2.87e-04	-6.08e-04
1852	198	0.83	7.13	-1.17	-5.65e-04	-6.39e-04	-5.83e-05
1852	203	-4.77	-11.17	-2.77e-03	6.81e-04	1.59e-04	3.86e-04
1852	208	10.27	10.30	-0.23	1.45e-04	3.50e-04	-7.11e-04
1852	230	0.94	8.36	-1.28	-6.66e-04	-7.24e-04	-7.07e-05
1852	235	-5.68	-13.11	0.08	7.85e-04	2.01e-04	4.61e-04
1853	4	0.29	0.56	-0.81	8.37e-06	0.0	0.0
1853	44	0.25	-1.44	-0.60	1.39e-04	0.0	-7.41e-06
1853	52	0.29	-0.19	-0.77	5.98e-05	0.0	-4.04e-06
1853	68	0.20	0.37	-0.57	7.54e-06	0.0	0.0
1853	88	0.18	-0.97	-0.43	9.46e-05	0.0	-5.21e-06
1853	92	0.20	-0.13	-0.54	4.19e-05	0.0	-2.97e-06
1853	98	0.17	-0.11	-0.45	3.26e-05	0.0	-2.64e-06
1853	105	0.16	-0.27	-0.42	4.26e-05	0.0	-3.07e-06
1853	107	0.16	-0.10	-0.43	3.13e-05	0.0	-2.60e-06
1853	112	7.85	7.68	-0.34	-4.30e-04	0.0	-5.30e-04
1853	134	0.76	6.36	-0.84	-4.82e-04	0.0	-4.30e-05
1853	139	-4.20	-9.84	-0.12	7.15e-04	0.0	3.29e-04
1853	144	8.83	8.66	-0.33	-4.87e-04	0.0	-5.97e-04
1853	166	0.83	7.17	-0.89	-5.46e-04	0.0	-4.85e-05
1853	171	-4.75	-11.07	-0.08	8.01e-04	0.0	3.72e-04
1853	176	8.78	8.57	-0.34	-4.75e-04	0.0	-5.90e-04
1853	198	0.83	7.16	-0.88	-5.43e-04	0.0	-5.01e-05
1853	203	-4.77	-11.06	-0.08	7.93e-04	0.0	3.74e-04
1853	208	10.27	10.03	-0.34	-5.56e-04	0.0	-6.89e-04
1853	230	0.94	8.39	-0.96	-6.40e-04	0.0	-6.11e-05
1853	235	-5.68	-12.98	-0.02	9.22e-04	0.0	4.46e-04
1854	4	0.31	0.50	-0.56	-4.77e-05	0.0	-3.36e-05
1854	44	0.25	-1.28	-0.42	1.78e-04	0.0	-1.99e-05
1854	68	0.21	0.33	-0.39	-3.05e-05	0.0	-2.34e-05
1854	88	0.18	-0.86	-0.30	1.20e-04	0.0	-1.42e-05
1854	98	0.17	-0.09	-0.31	2.08e-05	0.0	-1.72e-05
1854	105	0.17	-0.24	-0.29	3.93e-05	0.0	-1.55e-05
1854	107	0.17	-0.09	-0.30	1.99e-05	0.0	-1.63e-05
1854	112	7.17	6.77	-0.27	-7.33e-04	0.0	-5.24e-04
1854	134	0.67	5.65	-0.52	-7.69e-04	0.0	-4.80e-05
1854	139	-3.78	-8.71	-0.13	1.10e-03	0.0	2.98e-04
1854	144	8.05	7.64	-0.27	-8.28e-04	0.0	-5.88e-04
1854	166	0.74	6.38	-0.54	-8.68e-04	0.0	-5.25e-05
1854	171	-4.28	-9.80	-0.11	1.24e-03	0.0	3.39e-04
1854	176	8.02	7.57	-0.27	-8.09e-04	0.0	-5.86e-04
1854	202	1.06	6.25	-0.54	-8.50e-04	0.0	-3.78e-05
1854	203	-4.31	-9.79	-0.11	1.23e-03	0.0	3.45e-04
1854	208	9.38	8.86	-0.27	-9.43e-04	0.0	-6.85e-04
1854	234	1.16	7.27	-0.58	-9.91e-04	0.0	-3.84e-05
1854	235	-5.13	-11.49	-0.08	1.44e-03	0.0	4.15e-04
1855	4	0.33	0.53	-0.58	-5.57e-05	0.0	-3.14e-05
1855	44	0.28	-1.37	-0.44	1.68e-04	0.0	-1.62e-05
1855	68	0.23	0.35	-0.41	-3.61e-05	0.0	-2.19e-05
1855	88	0.20	-0.92	-0.32	1.13e-04	0.0	-1.17e-05
1855	98	0.19	-0.10	-0.33	1.55e-05	0.0	-1.58e-05
1855	105	0.18	-0.26	-0.31	3.41e-05	0.0	-1.40e-05
1855	107	0.18	-0.10	-0.31	1.48e-05	0.0	-1.51e-05
1855	109	7.56	2.94	-0.18	-2.25e-04	0.0	-5.64e-04
1855	134	0.72	6.02	-0.55	-7.39e-04	0.0	-6.07e-05
1855	139	-3.97	-9.23	-0.13	1.05e-03	0.0	3.35e-04
1855	141	8.50	3.33	-0.16	-2.55e-04	0.0	-6.33e-04
1855	166	0.79	6.79	-0.58	-8.33e-04	0.0	-6.71e-05
1855	171	-4.50	-10.39	-0.11	1.18e-03	0.0	3.80e-04
1855	173	8.46	3.31	-0.17	-2.47e-04	0.0	-6.28e-04
1855	198	0.78	6.77	-0.57	-8.30e-04	0.0	-7.03e-05
1855	203	-4.53	-10.38	-0.11	1.17e-03	0.0	3.86e-04
1855	205	9.89	3.92	-0.15	-2.89e-04	0.0	-7.34e-04

1855	234	1.24	7.74	-0.61	-9.48e-04	0.0	-5.95e-05
1855	235	-5.39	-12.18	-0.08	1.37e-03	0.0	4.64e-04
1856	4	0.29	0.56	-0.64	-2.61e-06	0.0	0.0
1856	44	0.25	-1.45	-0.49	1.32e-04	0.0	-8.38e-06
1856	52	0.29	-0.19	-0.61	4.99e-05	0.0	-4.23e-06
1856	68	0.20	0.37	-0.45	0.0	0.0	0.0
1856	88	0.18	-0.97	-0.35	8.95e-05	0.0	-5.85e-06
1856	92	0.20	-0.13	-0.43	3.49e-05	0.0	-3.08e-06
1856	98	0.17	-0.11	-0.36	2.67e-05	0.0	-2.72e-06
1856	105	0.16	-0.27	-0.34	3.72e-05	0.0	-3.25e-06
1856	107	0.16	-0.10	-0.34	2.56e-05	0.0	-2.66e-06
1856	112	7.85	7.47	-0.31	-4.67e-04	0.0	-5.29e-04
1856	134	0.76	6.38	-0.59	-5.23e-04	0.0	-4.30e-05
1856	139	-4.20	-9.75	-0.15	7.55e-04	0.0	3.28e-04
1856	144	8.83	8.42	-0.31	-5.29e-04	0.0	-5.96e-04
1856	166	0.83	7.20	-0.62	-5.91e-04	0.0	-4.85e-05
1856	171	-4.75	-10.97	-0.13	8.46e-04	0.0	3.70e-04
1856	176	8.78	8.33	-0.31	-5.18e-04	0.0	-5.88e-04
1856	198	0.83	7.18	-0.62	-5.88e-04	0.0	-5.00e-05
1856	203	-4.77	-10.95	-0.13	8.38e-04	0.0	3.72e-04
1856	208	10.27	9.75	-0.31	-6.06e-04	0.0	-6.87e-04
1856	230	0.94	8.42	-0.66	-6.91e-04	0.0	-6.10e-05
1856	235	-5.68	-12.85	-0.09	9.76e-04	0.0	4.44e-04
1857	4	0.30	0.49	-0.51	-5.31e-05	0.0	-3.21e-05
1857	44	0.25	-1.29	-0.39	1.74e-04	0.0	-1.84e-05
1857	68	0.21	0.32	-0.36	-3.42e-05	0.0	-2.23e-05
1857	88	0.18	-0.86	-0.28	1.17e-04	0.0	-1.31e-05
1857	98	0.17	-0.10	-0.29	1.81e-05	0.0	-1.63e-05
1857	105	0.16	-0.25	-0.27	3.68e-05	0.0	-1.46e-05
1857	107	0.16	-0.10	-0.28	1.73e-05	0.0	-1.55e-05
1857	112	7.16	6.57	-0.44	-7.00e-04	0.0	-5.23e-04
1857	124	-0.34	7.25	-0.45	-8.52e-04	0.0	2.38e-05
1857	139	-3.78	-8.64	-0.11	1.06e-03	0.0	2.99e-04
1857	144	8.05	7.42	-0.46	-7.90e-04	0.0	-5.87e-04
1857	156	-0.40	8.16	-0.48	-9.60e-04	0.0	2.95e-05
1857	171	-4.28	-9.72	-0.09	1.19e-03	0.0	3.40e-04
1857	176	8.01	7.34	-0.46	-7.74e-04	0.0	-5.85e-04
1857	192	-0.72	8.07	-0.47	-9.50e-04	0.0	1.68e-05
1857	203	-4.31	-9.71	-0.09	1.18e-03	0.0	3.46e-04
1857	208	9.37	8.60	-0.49	-9.03e-04	0.0	-6.84e-04
1857	224	-0.82	9.42	-0.51	-1.11e-03	0.0	2.02e-05
1857	235	-5.13	-11.39	-0.05	1.38e-03	0.0	4.16e-04
1858	4	0.32	0.52	-0.52	-6.54e-05	0.0	-2.55e-05
1858	44	0.27	-1.37	-0.40	1.65e-04	0.0	-1.37e-05
1858	68	0.22	0.34	-0.37	-4.27e-05	0.0	-1.78e-05
1858	88	0.19	-0.92	-0.29	1.11e-04	0.0	-9.96e-06
1858	98	0.18	-0.11	-0.30	1.13e-05	0.0	-1.30e-05
1858	105	0.17	-0.26	-0.28	3.06e-05	0.0	-1.16e-05
1858	107	0.18	-0.10	-0.28	1.10e-05	0.0	-1.24e-05
1858	109	7.55	2.74	-0.35	-2.14e-04	0.0	-5.51e-04
1858	124	-0.37	7.67	-0.46	-8.52e-04	0.0	2.58e-05
1858	139	-3.98	-9.14	-0.11	1.03e-03	0.0	3.27e-04
1858	141	8.48	3.10	-0.36	-2.42e-04	0.0	-6.19e-04
1858	156	-0.43	8.63	-0.48	-9.59e-04	0.0	3.12e-05
1858	171	-4.51	-10.29	-0.09	1.16e-03	0.0	3.71e-04
1858	176	8.44	7.71	-0.46	-7.68e-04	0.0	-6.15e-04
1858	200	4.89	10.07	-0.48	-1.13e-03	0.0	-4.01e-04
1858	203	-4.53	-10.27	-0.09	1.15e-03	0.0	3.76e-04
1858	208	9.87	9.03	-0.49	-8.95e-04	0.0	-7.19e-04
1858	232	5.75	11.85	-0.52	-1.32e-03	0.0	-4.76e-04
1858	235	-5.40	-12.05	-0.05	1.34e-03	0.0	4.51e-04
1859	4	0.29	0.56	-0.55	-8.17e-06	0.0	-4.76e-06
1859	44	0.25	-1.45	-0.43	1.28e-04	0.0	-1.16e-05
1859	52	0.29	-0.19	-0.53	4.45e-05	0.0	-8.33e-06
1859	68	0.20	0.37	-0.39	-4.01e-06	0.0	-3.54e-06
1859	88	0.18	-0.97	-0.31	8.66e-05	0.0	-8.12e-06
1859	92	0.20	-0.13	-0.37	3.11e-05	0.0	-5.92e-06
1859	98	0.17	-0.11	-0.31	2.34e-05	0.0	-5.07e-06
1859	105	0.16	-0.27	-0.30	3.42e-05	0.0	-5.43e-06
1859	107	0.16	-0.10	-0.30	2.26e-05	0.0	-4.86e-06
1859	112	7.85	7.26	-0.46	-5.11e-04	0.0	-5.31e-04
1859	132	4.89	9.38	-0.48	-7.63e-04	0.0	-3.28e-04
1859	139	-4.19	-9.65	-0.12	8.06e-04	0.0	3.25e-04
1859	144	8.83	8.19	-0.47	-5.78e-04	0.0	-5.98e-04
1859	164	5.49	10.58	-0.50	-8.61e-04	0.0	-3.69e-04

1859	171	-4.75	-10.86	-0.10	9.04e-04	0.0	3.68e-04
1859	176	8.78	8.10	-0.47	-5.67e-04	0.0	-5.90e-04
1859	200	5.09	10.63	-0.50	-8.51e-04	0.0	-3.80e-04
1859	203	-4.77	-10.84	-0.10	8.96e-04	0.0	3.70e-04
1859	208	10.27	9.48	-0.50	-6.64e-04	0.0	-6.89e-04
1859	232	6.00	12.51	-0.54	-1.00e-03	0.0	-4.51e-04
1859	235	-5.68	-12.71	-0.06	1.04e-03	0.0	4.42e-04
1860	4	0.06	0.47	-0.11	-2.10e-05	0.0	9.80e-06
1860	44	0.05	-0.87	-0.09	1.94e-04	0.0	-4.04e-06
1860	52	0.06	-0.03	-0.11	6.13e-05	0.0	4.57e-06
1860	68	0.04	0.31	-0.08	-1.20e-05	0.0	6.66e-06
1860	88	0.04	-0.58	-0.07	1.32e-04	0.0	-2.57e-06
1860	92	0.04	-0.02	-0.08	4.29e-05	0.0	3.17e-06
1860	98	0.04	-0.01	-0.07	3.52e-05	0.0	2.58e-06
1860	105	0.03	-0.13	-0.07	5.22e-05	0.0	1.37e-06
1860	107	0.03	-0.01	-0.07	3.34e-05	0.0	2.44e-06
1860	112	4.88	4.71	0.20	-8.33e-04	0.0	-3.90e-04
1860	114	-3.84	-1.69	-0.42	1.96e-04	0.0	3.16e-04
1860	139	-2.70	-6.08	-4.88e-03	1.36e-03	0.0	2.43e-04
1860	144	5.50	5.31	0.23	-9.42e-04	0.0	-4.40e-04
1860	146	-4.33	-1.90	-0.46	2.17e-04	0.0	3.55e-04
1860	171	-3.05	-6.85	3.12e-03	1.53e-03	0.0	2.74e-04
1860	176	5.49	5.27	0.23	-9.19e-04	0.0	-4.37e-04
1860	178	-4.32	-1.88	-0.46	2.01e-04	0.0	3.53e-04
1860	203	-3.09	-6.84	6.23e-04	1.52e-03	0.0	2.78e-04
1860	208	6.45	6.18	0.28	-1.07e-03	0.0	-5.14e-04
1860	210	-5.09	-2.21	-0.52	2.23e-04	0.0	4.12e-04
1860	235	-3.67	-8.04	9.85e-03	1.77e-03	0.0	3.32e-04
1861	4	0.06	0.48	-0.12	-2.18e-05	0.0	9.90e-06
1861	44	0.05	-0.87	-0.10	1.94e-04	0.0	-3.95e-06
1861	52	0.06	-0.02	-0.12	6.07e-05	0.0	4.66e-06
1861	68	0.04	0.32	-0.09	-1.25e-05	0.0	6.73e-06
1861	88	0.04	-0.58	-0.07	1.31e-04	0.0	-2.50e-06
1861	92	0.04	-0.02	-0.08	4.25e-05	0.0	3.24e-06
1861	98	0.04	-0.01	-0.08	3.48e-05	0.0	2.63e-06
1861	105	0.03	-0.13	-0.07	5.18e-05	0.0	1.43e-06
1861	107	0.03	-0.01	-0.07	3.31e-05	0.0	2.49e-06
1861	112	4.88	4.50	0.02	-7.94e-04	0.0	-3.90e-04
1861	114	-3.84	-1.49	-0.21	1.70e-04	0.0	3.16e-04
1861	139	-2.70	-5.99	-0.04	1.33e-03	0.0	2.43e-04
1861	144	5.50	5.07	0.04	-8.97e-04	0.0	-4.40e-04
1861	146	-4.33	-1.68	-0.22	1.87e-04	0.0	3.55e-04
1861	171	-3.05	-6.74	-0.04	1.49e-03	0.0	2.74e-04
1861	176	5.49	5.04	0.04	-8.76e-04	0.0	-4.37e-04
1861	178	-4.32	-1.67	-0.22	1.73e-04	0.0	3.52e-04
1861	203	-3.09	-6.74	-0.04	1.48e-03	0.0	2.78e-04
1861	208	6.45	5.90	0.05	-1.02e-03	0.0	-5.13e-04
1861	210	-5.09	-1.96	-0.25	1.91e-04	0.0	4.12e-04
1861	235	-3.67	-7.91	-0.04	1.72e-03	0.0	3.31e-04
1862	4	0.12	0.48	-0.13	-2.27e-05	0.0	1.02e-05
1862	44	0.10	-0.97	-0.11	1.94e-04	0.0	-3.61e-06
1862	68	0.08	0.32	-0.09	-1.31e-05	0.0	6.93e-06
1862	88	0.07	-0.65	-0.08	1.31e-04	0.0	-2.29e-06
1862	98	0.07	-0.03	-0.08	3.44e-05	0.0	2.68e-06
1862	105	0.06	-0.15	-0.08	5.15e-05	0.0	1.50e-06
1862	107	0.06	-0.03	-0.08	3.27e-05	0.0	2.53e-06
1862	112	5.49	5.12	0.20	-7.84e-04	0.0	-4.24e-04
1862	114	-4.26	-1.78	-0.45	1.83e-04	0.0	3.41e-04
1862	139	-2.99	-6.78	-9.49e-03	1.29e-03	0.0	2.68e-04
1862	144	6.18	5.78	0.23	-8.86e-04	0.0	-4.78e-04
1862	146	-4.81	-2.00	-0.50	2.02e-04	0.0	3.83e-04
1862	171	-3.39	-7.63	-7.65e-04	1.45e-03	0.0	3.02e-04
1862	176	6.17	5.73	0.23	-8.65e-04	0.0	-4.74e-04
1862	178	-4.80	-1.97	-0.49	1.87e-04	0.0	3.79e-04
1862	203	-3.42	-7.62	-3.35e-03	1.44e-03	0.0	3.06e-04
1862	208	7.23	6.71	0.28	-1.01e-03	0.0	-5.57e-04
1862	210	-5.65	-2.31	-0.56	2.07e-04	0.0	4.42e-04
1862	235	-4.07	-8.95	6.84e-03	1.67e-03	0.0	3.65e-04
1863	4	0.12	0.49	-0.13	-2.26e-05	0.0	1.03e-05
1863	44	0.10	-0.98	-0.11	1.93e-04	0.0	-3.59e-06
1863	68	0.08	0.32	-0.10	-1.31e-05	0.0	6.99e-06
1863	88	0.07	-0.65	-0.08	1.31e-04	0.0	-2.27e-06
1863	98	0.07	-0.03	-0.09	3.45e-05	0.0	2.72e-06
1863	105	0.06	-0.15	-0.08	5.16e-05	0.0	1.53e-06
1863	107	0.06	-0.03	-0.08	3.28e-05	0.0	2.56e-06

1863	112	5.49	4.89	0.02	-7.46e-04	0.0	-4.24e-04
1863	114	-4.26	-1.57	-0.23	1.58e-04	0.0	3.40e-04
1863	139	-2.99	-6.67	-0.05	1.26e-03	0.0	2.68e-04
1863	144	6.18	5.52	0.04	-8.44e-04	0.0	-4.78e-04
1863	146	-4.81	-1.76	-0.24	1.74e-04	0.0	3.83e-04
1863	171	-3.39	-7.51	-0.05	1.41e-03	0.0	3.02e-04
1863	176	6.16	5.47	0.03	-8.24e-04	0.0	-4.74e-04
1863	178	-4.80	-1.74	-0.24	1.60e-04	0.0	3.79e-04
1863	203	-3.42	-7.49	-0.05	1.40e-03	0.0	3.06e-04
1863	208	7.23	6.41	0.05	-9.61e-04	0.0	-5.56e-04
1863	210	-5.65	-2.04	-0.27	1.77e-04	0.0	4.42e-04
1863	235	-4.07	-8.79	-0.04	1.63e-03	0.0	3.64e-04
1864	4	0.18	0.50	-0.15	-2.49e-05	0.0	9.69e-06
1864	44	0.15	-1.08	-0.12	1.93e-04	0.0	-3.69e-06
1864	68	0.12	0.33	-0.11	-1.47e-05	0.0	6.55e-06
1864	88	0.11	-0.72	-0.09	1.30e-04	0.0	-2.37e-06
1864	98	0.10	-0.05	-0.09	3.35e-05	0.0	2.35e-06
1864	105	0.10	-0.18	-0.09	5.07e-05	0.0	1.22e-06
1864	107	0.10	-0.05	-0.09	3.18e-05	0.0	2.19e-06
1864	112	6.09	5.51	0.18	-7.12e-04	0.0	-4.57e-04
1864	114	-4.68	-1.86	-0.46	1.64e-04	0.0	3.63e-04
1864	139	-3.28	-7.43	-0.02	1.19e-03	0.0	2.93e-04
1864	144	6.85	6.21	0.22	-8.06e-04	0.0	-5.15e-04
1864	146	-5.28	-2.09	-0.50	1.81e-04	0.0	4.08e-04
1864	171	-3.72	-8.36	-8.06e-03	1.33e-03	0.0	3.30e-04
1864	176	6.83	6.16	0.22	-7.86e-04	0.0	-5.10e-04
1864	178	-5.26	-2.06	-0.50	1.67e-04	0.0	4.03e-04
1864	203	-3.75	-8.35	-0.01	1.32e-03	0.0	3.34e-04
1864	208	8.00	7.21	0.27	-9.17e-04	0.0	-5.98e-04
1864	210	-6.20	-2.40	-0.57	1.84e-04	0.0	4.70e-04
1864	235	-4.46	-9.79	1.55e-04	1.54e-03	0.0	3.97e-04
1865	4	0.17	0.50	-0.14	-2.39e-05	0.0	9.71e-06
1865	44	0.15	-1.08	-0.12	1.93e-04	0.0	-3.73e-06
1865	68	0.12	0.33	-0.10	-1.39e-05	0.0	6.56e-06
1865	88	0.10	-0.72	-0.09	1.31e-04	0.0	-2.40e-06
1865	98	0.10	-0.05	-0.09	3.40e-05	0.0	2.33e-06
1865	105	0.10	-0.18	-0.09	5.12e-05	0.0	1.21e-06
1865	107	0.10	-0.05	-0.09	3.23e-05	0.0	2.18e-06
1865	112	6.10	5.26	0.02	-6.77e-04	0.0	-4.56e-04
1865	114	-4.68	-1.63	-0.24	1.41e-04	0.0	3.62e-04
1865	139	-3.29	-7.30	-0.05	1.16e-03	0.0	2.92e-04
1865	144	6.86	5.93	0.04	-7.66e-04	0.0	-5.14e-04
1865	146	-5.29	-1.84	-0.26	1.55e-04	0.0	4.08e-04
1865	171	-3.72	-8.22	-0.05	1.30e-03	0.0	3.29e-04
1865	176	6.84	5.88	0.04	-7.48e-04	0.0	-5.09e-04
1865	178	-5.27	-1.81	-0.26	1.42e-04	0.0	4.03e-04
1865	203	-3.75	-8.20	-0.05	1.29e-03	0.0	3.32e-04
1865	208	8.01	6.88	0.06	-8.73e-04	0.0	-5.97e-04
1865	210	-6.20	-2.11	-0.29	1.56e-04	0.0	4.70e-04
1865	235	-4.47	-9.62	-0.05	1.50e-03	0.0	3.96e-04
1866	4	0.26	0.51	-0.18	-2.79e-05	0.0	8.66e-06
1866	44	0.22	-1.18	-0.14	1.91e-04	0.0	-3.88e-06
1866	68	0.18	0.34	-0.13	-1.68e-05	0.0	5.81e-06
1866	88	0.15	-0.79	-0.11	1.29e-04	0.0	-2.55e-06
1866	98	0.15	-0.07	-0.11	3.22e-05	0.0	1.83e-06
1866	105	0.14	-0.21	-0.11	4.96e-05	0.0	0.0
1866	107	0.14	-0.06	-0.11	3.06e-05	0.0	1.69e-06
1866	112	6.77	5.85	0.14	-6.22e-04	0.0	-4.89e-04
1866	114	-5.13	-1.93	-0.44	1.41e-04	0.0	3.84e-04
1866	139	-3.59	-8.02	-0.03	1.06e-03	0.0	3.17e-04
1866	144	7.61	6.60	0.18	-7.04e-04	0.0	-5.51e-04
1866	146	-5.80	-2.16	-0.49	1.55e-04	0.0	4.32e-04
1866	171	-4.07	-9.03	-0.02	1.18e-03	0.0	3.58e-04
1866	176	7.58	6.54	0.17	-6.87e-04	0.0	-5.46e-04
1866	178	-5.78	-2.13	-0.48	1.43e-04	0.0	4.26e-04
1866	203	-4.09	-9.00	-0.03	1.17e-03	0.0	3.61e-04
1866	208	8.87	7.65	0.22	-8.02e-04	0.0	-6.39e-04
1866	210	-6.80	-2.48	-0.54	1.57e-04	0.0	4.97e-04
1866	235	-4.88	-10.56	-0.01	1.37e-03	0.0	4.30e-04
1867	4	0.24	0.51	-0.15	-2.54e-05	0.0	8.03e-06
1867	44	0.21	-1.18	-0.13	1.92e-04	0.0	-4.32e-06
1867	68	0.17	0.34	-0.11	-1.50e-05	0.0	5.37e-06
1867	88	0.15	-0.79	-0.10	1.30e-04	0.0	-2.86e-06
1867	98	0.14	-0.07	-0.10	3.34e-05	0.0	1.47e-06
1867	105	0.13	-0.21	-0.09	5.07e-05	0.0	0.0

1867	107	0.13	-0.06	-0.10	3.18e-05	0.0	1.36e-06
1867	112	6.73	5.58	0.03	-6.01e-04	0.0	-4.85e-04
1867	114	-5.12	-1.69	-0.26	1.22e-04	0.0	3.82e-04
1867	139	-3.58	-7.88	-0.06	1.05e-03	0.0	3.12e-04
1867	144	7.57	6.30	0.05	-6.81e-04	0.0	-5.47e-04
1867	146	-5.78	-1.90	-0.29	1.34e-04	0.0	4.30e-04
1867	171	-4.06	-8.87	-0.05	1.18e-03	0.0	3.52e-04
1867	176	7.54	6.24	0.04	-6.64e-04	0.0	-5.41e-04
1867	178	-5.76	-1.87	-0.28	1.23e-04	0.0	4.24e-04
1867	203	-4.09	-8.84	-0.05	1.17e-03	0.0	3.55e-04
1867	208	8.83	7.30	0.07	-7.75e-04	0.0	-6.34e-04
1867	210	-6.78	-2.18	-0.31	1.34e-04	0.0	4.94e-04
1867	235	-4.87	-10.36	-0.05	1.36e-03	0.0	4.23e-04
1868	4	0.06	0.48	-0.12	-2.24e-05	0.0	1.03e-05
1868	44	0.05	-0.88	-0.10	1.93e-04	0.0	-3.63e-06
1868	52	0.06	-0.02	-0.12	6.04e-05	0.0	4.99e-06
1868	68	0.04	0.32	-0.09	-1.29e-05	0.0	6.99e-06
1868	88	0.04	-0.58	-0.08	1.31e-04	0.0	-2.27e-06
1868	92	0.04	-0.01	-0.09	4.23e-05	0.0	3.48e-06
1868	98	0.04	-0.01	-0.08	3.47e-05	0.0	2.84e-06
1868	105	0.03	-0.13	-0.07	5.17e-05	0.0	1.63e-06
1868	107	0.03	-0.01	-0.08	3.30e-05	0.0	2.69e-06
1868	112	4.88	4.29	-0.03	-7.51e-04	0.0	-3.89e-04
1868	114	-3.84	-1.30	-0.14	1.42e-04	0.0	3.16e-04
1868	139	-2.70	-5.90	-0.06	1.29e-03	0.0	2.43e-04
1868	144	5.50	4.84	-0.02	-8.50e-04	0.0	-4.39e-04
1868	146	-4.33	-1.46	-0.15	1.56e-04	0.0	3.55e-04
1868	171	-3.05	-6.64	-0.06	1.45e-03	0.0	2.74e-04
1868	176	5.49	4.80	-0.02	-8.30e-04	0.0	-4.36e-04
1868	178	-4.32	-1.45	-0.15	1.43e-04	0.0	3.52e-04
1868	203	-3.09	-6.63	-0.06	1.44e-03	0.0	2.78e-04
1868	208	6.45	5.62	-0.01	-9.69e-04	0.0	-5.13e-04
1868	210	-5.09	-1.70	-0.16	1.57e-04	0.0	4.12e-04
1868	235	-3.67	-7.78	-0.05	1.68e-03	0.0	3.31e-04
1869	4	0.11	0.50	-0.14	-2.23e-05	0.0	1.07e-05
1869	44	0.10	-0.98	-0.12	1.93e-04	0.0	-3.49e-06
1869	68	0.08	0.33	-0.10	-1.29e-05	0.0	7.25e-06
1869	88	0.07	-0.65	-0.09	1.31e-04	0.0	-2.20e-06
1869	98	0.07	-0.03	-0.09	3.48e-05	0.0	2.85e-06
1869	105	0.06	-0.15	-0.08	5.18e-05	0.0	1.64e-06
1869	107	0.06	-0.03	-0.08	3.31e-05	0.0	2.69e-06
1869	112	5.49	4.67	-0.03	-7.06e-04	0.0	-4.23e-04
1869	114	-4.26	-1.36	-0.16	1.32e-04	0.0	3.40e-04
1869	139	-2.99	-6.56	-0.07	1.23e-03	0.0	2.67e-04
1869	144	6.18	5.26	-0.02	-7.99e-04	0.0	-4.77e-04
1869	146	-4.81	-1.53	-0.17	1.44e-04	0.0	3.82e-04
1869	171	-3.39	-7.39	-0.06	1.38e-03	0.0	3.01e-04
1869	176	6.16	5.22	-0.02	-7.80e-04	0.0	-4.73e-04
1869	178	-4.80	-1.51	-0.17	1.32e-04	0.0	3.78e-04
1869	203	-3.42	-7.37	-0.06	1.37e-03	0.0	3.05e-04
1869	208	7.23	6.11	-0.01	-9.11e-04	0.0	-5.55e-04
1869	210	-5.65	-1.77	-0.18	1.44e-04	0.0	4.42e-04
1869	235	-4.07	-8.64	-0.06	1.59e-03	0.0	3.63e-04
1870	4	0.17	0.51	-0.15	-2.24e-05	0.0	1.00e-05
1870	44	0.15	-1.08	-0.12	1.93e-04	0.0	-3.80e-06
1870	68	0.12	0.34	-0.11	-1.29e-05	0.0	6.75e-06
1870	88	0.10	-0.72	-0.09	1.31e-04	0.0	-2.44e-06
1870	98	0.10	-0.05	-0.09	3.48e-05	0.0	2.38e-06
1870	105	0.10	-0.18	-0.09	5.18e-05	0.0	1.23e-06
1870	107	0.10	-0.05	-0.09	3.31e-05	0.0	2.23e-06
1870	112	6.10	5.01	-0.03	-6.44e-04	0.0	-4.53e-04
1870	114	-4.68	-1.41	-0.17	1.17e-04	0.0	3.61e-04
1870	139	-3.29	-7.18	-0.07	1.14e-03	0.0	2.89e-04
1870	144	6.86	5.65	-0.02	-7.29e-04	0.0	-5.11e-04
1870	146	-5.29	-1.59	-0.18	1.28e-04	0.0	4.06e-04
1870	171	-3.72	-8.08	-0.07	1.28e-03	0.0	3.26e-04
1870	176	6.84	5.60	-0.02	-7.11e-04	0.0	-5.06e-04
1870	178	-5.27	-1.57	-0.18	1.17e-04	0.0	4.01e-04
1870	203	-3.75	-8.06	-0.07	1.27e-03	0.0	3.29e-04
1870	208	8.01	6.56	-0.01	-8.31e-04	0.0	-5.93e-04
1870	210	-6.21	-1.83	-0.20	1.27e-04	0.0	4.68e-04
1870	235	-4.47	-9.44	-0.06	1.47e-03	0.0	3.92e-04
1871	4	0.24	0.52	-0.15	-2.27e-05	0.0	8.03e-06
1871	44	0.20	-1.18	-0.13	1.94e-04	0.0	-4.60e-06
1871	68	0.17	0.34	-0.11	-1.31e-05	0.0	5.37e-06

1871	88	0.14	-0.79	-0.10	1.31e-04	0.0	-3.05e-06
1871	98	0.14	-0.07	-0.10	3.48e-05	0.0	1.36e-06
1871	105	0.13	-0.21	-0.09	5.18e-05	0.0	0.0
1871	107	0.13	-0.06	-0.09	3.31e-05	0.0	1.25e-06
1871	112	6.71	5.32	-0.03	-5.76e-04	0.0	-4.80e-04
1871	114	-5.11	-1.46	-0.18	1.02e-04	0.0	3.79e-04
1871	139	-3.58	-7.75	-0.07	1.04e-03	0.0	3.06e-04
1871	144	7.54	6.00	-0.02	-6.52e-04	0.0	-5.40e-04
1871	146	-5.77	-1.64	-0.19	1.10e-04	0.0	4.27e-04
1871	171	-4.05	-8.72	-0.07	1.17e-03	0.0	3.45e-04
1871	176	7.52	5.94	-0.02	-6.36e-04	0.0	-5.35e-04
1871	178	-5.75	-1.61	-0.19	1.00e-04	0.0	4.21e-04
1871	203	-4.08	-8.69	-0.07	1.16e-03	0.0	3.48e-04
1871	208	8.80	6.96	-0.01	-7.44e-04	0.0	-6.26e-04
1871	210	-6.77	-1.88	-0.21	1.08e-04	0.0	4.91e-04
1871	235	-4.86	-10.18	-0.07	1.35e-03	0.0	4.15e-04
1872	4	0.06	0.49	-0.13	-2.32e-05	0.0	1.08e-05
1872	44	0.05	-0.88	-0.11	1.93e-04	0.0	-3.24e-06
1872	52	0.06	-0.02	-0.13	6.01e-05	0.0	5.39e-06
1872	68	0.04	0.33	-0.10	-1.34e-05	0.0	7.35e-06
1872	88	0.04	-0.59	-0.08	1.31e-04	0.0	-1.99e-06
1872	92	0.04	-0.01	-0.09	4.21e-05	0.0	3.77e-06
1872	98	0.04	-9.74e-03	-0.08	3.46e-05	0.0	3.10e-06
1872	105	0.03	-0.12	-0.08	5.16e-05	0.0	1.89e-06
1872	107	0.03	-9.10e-03	-0.08	3.29e-05	0.0	2.94e-06
1872	112	4.88	4.08	-0.06	-7.11e-04	0.0	-3.89e-04
1872	114	-3.84	-1.10	-0.12	1.15e-04	0.0	3.16e-04
1872	139	-2.70	-5.81	-0.07	1.26e-03	0.0	2.43e-04
1872	144	5.50	4.60	-0.05	-8.04e-04	0.0	-4.38e-04
1872	146	-4.33	-1.24	-0.12	1.25e-04	0.0	3.55e-04
1872	171	-3.05	-6.54	-0.07	1.42e-03	0.0	2.74e-04
1872	176	5.49	4.57	-0.05	-7.86e-04	0.0	-4.36e-04
1872	178	-4.33	-1.23	-0.12	1.14e-04	0.0	3.52e-04
1872	203	-3.09	-6.53	-0.07	1.40e-03	0.0	2.78e-04
1872	208	6.45	5.35	-0.05	-9.18e-04	0.0	-5.12e-04
1872	210	-5.09	-1.45	-0.13	1.24e-04	0.0	4.12e-04
1872	235	-3.67	-7.65	-0.07	1.63e-03	0.0	3.31e-04
1873	4	0.11	0.50	-0.15	-2.21e-05	0.0	1.14e-05
1873	44	0.10	-0.98	-0.13	1.94e-04	0.0	-3.39e-06
1873	68	0.08	0.33	-0.11	-1.27e-05	0.0	7.73e-06
1873	88	0.07	-0.65	-0.09	1.31e-04	0.0	-2.11e-06
1873	98	0.07	-0.03	-0.09	3.51e-05	0.0	3.06e-06
1873	105	0.06	-0.15	-0.09	5.21e-05	0.0	1.82e-06
1873	107	0.06	-0.03	-0.09	3.34e-05	0.0	2.89e-06
1873	112	5.49	4.44	-0.06	-6.69e-04	0.0	-4.21e-04
1873	114	-4.26	-1.15	-0.13	1.06e-04	0.0	3.39e-04
1873	139	-2.99	-6.46	-0.08	1.20e-03	0.0	2.66e-04
1873	144	6.18	5.00	-0.06	-7.58e-04	0.0	-4.75e-04
1873	146	-4.81	-1.29	-0.14	1.16e-04	0.0	3.82e-04
1873	171	-3.39	-7.27	-0.08	1.35e-03	0.0	3.00e-04
1873	176	6.16	4.96	-0.06	-7.40e-04	0.0	-4.71e-04
1873	178	-4.80	-1.28	-0.14	1.05e-04	0.0	3.77e-04
1873	203	-3.42	-7.25	-0.08	1.34e-03	0.0	3.04e-04
1873	208	7.23	5.81	-0.05	-8.65e-04	0.0	-5.53e-04
1873	210	-5.65	-1.50	-0.14	1.13e-04	0.0	4.41e-04
1873	235	-4.07	-8.49	-0.07	1.56e-03	0.0	3.62e-04
1874	4	0.17	0.51	-0.16	-2.09e-05	0.0	1.08e-05
1874	44	0.15	-1.08	-0.14	1.94e-04	0.0	-3.84e-06
1874	68	0.12	0.34	-0.12	-1.18e-05	0.0	7.32e-06
1874	88	0.10	-0.72	-0.10	1.32e-04	0.0	-2.46e-06
1874	98	0.10	-0.05	-0.10	3.57e-05	0.0	2.58e-06
1874	105	0.09	-0.18	-0.10	5.26e-05	0.0	1.38e-06
1874	107	0.10	-0.04	-0.10	3.39e-05	0.0	2.42e-06
1874	112	6.10	4.77	-0.07	-6.12e-04	0.0	-4.51e-04
1874	114	-4.68	-1.19	-0.14	9.43e-05	0.0	3.60e-04
1874	139	-3.29	-7.07	-0.08	1.12e-03	0.0	2.87e-04
1874	144	6.86	5.37	-0.06	-6.93e-04	0.0	-5.08e-04
1874	146	-5.29	-1.34	-0.15	1.02e-04	0.0	4.05e-04
1874	171	-3.72	-7.95	-0.08	1.26e-03	0.0	3.24e-04
1874	176	6.84	5.33	-0.06	-6.77e-04	0.0	-5.03e-04
1874	178	-5.27	-1.32	-0.15	9.21e-05	0.0	4.00e-04
1874	203	-3.75	-7.92	-0.08	1.24e-03	0.0	3.27e-04
1874	208	8.01	6.23	-0.06	-7.91e-04	0.0	-5.90e-04
1874	210	-6.21	-1.54	-0.16	9.82e-05	0.0	4.66e-04
1874	235	-4.47	-9.28	-0.08	1.45e-03	0.0	3.90e-04

1875	4	0.23	0.52	-0.17	-1.99e-05	0.0	8.88e-06
1875	44	0.20	-1.18	-0.14	1.95e-04	0.0	-4.69e-06
1875	68	0.16	0.35	-0.12	-1.12e-05	0.0	5.95e-06
1875	88	0.14	-0.79	-0.11	1.32e-04	0.0	-3.10e-06
1875	98	0.13	-0.07	-0.11	3.61e-05	0.0	1.55e-06
1875	105	0.13	-0.21	-0.10	5.30e-05	0.0	0.0
1875	107	0.13	-0.06	-0.10	3.44e-05	0.0	1.43e-06
1875	112	6.69	5.06	-0.07	-5.50e-04	0.0	-4.77e-04
1875	114	-5.10	-1.23	-0.15	8.10e-05	0.0	3.78e-04
1875	139	-3.57	-7.62	-0.09	1.03e-03	0.0	3.04e-04
1875	144	7.53	5.71	-0.06	-6.23e-04	0.0	-5.37e-04
1875	146	-5.76	-1.38	-0.16	8.69e-05	0.0	4.25e-04
1875	171	-4.05	-8.58	-0.08	1.15e-03	0.0	3.43e-04
1875	176	7.50	5.65	-0.06	-6.08e-04	0.0	-5.32e-04
1875	178	-5.74	-1.36	-0.16	7.78e-05	0.0	4.19e-04
1875	203	-4.08	-8.55	-0.08	1.14e-03	0.0	3.46e-04
1875	208	8.78	6.62	-0.06	-7.11e-04	0.0	-6.23e-04
1875	210	-6.75	-1.58	-0.17	8.17e-05	0.0	4.89e-04
1875	235	-4.86	-10.00	-0.08	1.33e-03	0.0	4.12e-04
1876	4	0.06	0.50	-0.16	-2.43e-05	0.0	1.11e-05
1876	44	0.05	-0.88	-0.14	1.93e-04	0.0	-3.04e-06
1876	52	0.06	-0.01	-0.16	5.99e-05	0.0	5.50e-06
1876	68	0.04	0.33	-0.11	-1.41e-05	0.0	7.56e-06
1876	88	0.04	-0.59	-0.10	1.31e-04	0.0	-1.84e-06
1876	92	0.04	-0.01	-0.11	4.20e-05	0.0	3.86e-06
1876	98	0.03	-7.86e-03	-0.10	3.45e-05	0.0	3.21e-06
1876	105	0.03	-0.12	-0.09	5.16e-05	0.0	2.00e-06
1876	107	0.03	-7.32e-03	-0.09	3.29e-05	0.0	3.05e-06
1876	112	4.88	3.88	-0.08	-6.71e-04	0.0	-3.89e-04
1876	114	-3.84	-0.90	-0.12	8.85e-05	0.0	3.16e-04
1876	139	-2.70	-5.72	-0.08	1.23e-03	0.0	2.43e-04
1876	144	5.50	4.37	-0.08	-7.59e-04	0.0	-4.38e-04
1876	146	-4.33	-1.02	-0.12	9.56e-05	0.0	3.55e-04
1876	171	-3.05	-6.45	-0.08	1.38e-03	0.0	2.74e-04
1876	176	5.49	4.34	-0.08	-7.42e-04	0.0	-4.36e-04
1876	178	-4.33	-1.01	-0.12	8.60e-05	0.0	3.52e-04
1876	203	-3.09	-6.42	-0.08	1.37e-03	0.0	2.78e-04
1876	208	6.45	5.07	-0.08	-8.68e-04	0.0	-5.12e-04
1876	210	-5.09	-1.19	-0.12	9.17e-05	0.0	4.12e-04
1876	235	-3.67	-7.53	-0.08	1.59e-03	0.0	3.31e-04
1877	4	0.11	0.51	-0.18	-2.22e-05	0.0	1.19e-05
1877	44	0.10	-0.98	-0.15	1.94e-04	0.0	-3.55e-06
1877	68	0.08	0.34	-0.13	-1.27e-05	0.0	8.11e-06
1877	88	0.07	-0.66	-0.11	1.31e-04	0.0	-2.21e-06
1877	98	0.07	-0.03	-0.11	3.54e-05	0.0	3.12e-06
1877	105	0.06	-0.15	-0.11	5.24e-05	0.0	1.85e-06
1877	107	0.06	-0.02	-0.11	3.37e-05	0.0	2.95e-06
1877	112	5.49	4.21	-0.09	-6.33e-04	0.0	-4.21e-04
1877	114	-4.26	-0.94	-0.13	8.14e-05	0.0	3.39e-04
1877	139	-2.99	-6.36	-0.09	1.17e-03	0.0	2.67e-04
1877	144	6.18	4.75	-0.09	-7.16e-04	0.0	-4.75e-04
1877	146	-4.81	-1.06	-0.13	8.75e-05	0.0	3.82e-04
1877	171	-3.39	-7.15	-0.09	1.32e-03	0.0	3.01e-04
1877	176	6.16	4.71	-0.09	-7.00e-04	0.0	-4.71e-04
1877	178	-4.80	-1.05	-0.13	7.83e-05	0.0	3.77e-04
1877	203	-3.42	-7.13	-0.09	1.31e-03	0.0	3.04e-04
1877	208	7.23	5.51	-0.09	-8.19e-04	0.0	-5.53e-04
1877	210	-5.65	-1.23	-0.14	8.26e-05	0.0	4.41e-04
1877	235	-4.07	-8.35	-0.09	1.52e-03	0.0	3.63e-04
1878	4	0.17	0.52	-0.19	-1.95e-05	0.0	1.20e-05
1878	44	0.15	-1.08	-0.16	1.95e-04	0.0	-4.02e-06
1878	68	0.12	0.34	-0.14	-1.08e-05	0.0	8.10e-06
1878	88	0.10	-0.72	-0.12	1.32e-04	0.0	-2.56e-06
1878	98	0.10	-0.04	-0.12	3.66e-05	0.0	2.81e-06
1878	105	0.09	-0.18	-0.11	5.34e-05	0.0	1.53e-06
1878	107	0.09	-0.04	-0.11	3.48e-05	0.0	2.64e-06
1878	112	6.10	4.52	-0.10	-5.80e-04	0.0	-4.50e-04
1878	114	-4.69	-0.97	-0.14	7.14e-05	0.0	3.60e-04
1878	139	-3.29	-6.95	-0.10	1.10e-03	0.0	2.87e-04
1878	144	6.86	5.10	-0.10	-6.57e-04	0.0	-5.08e-04
1878	146	-5.29	-1.09	-0.14	7.61e-05	0.0	4.05e-04
1878	171	-3.72	-7.82	-0.10	1.23e-03	0.0	3.24e-04
1878	176	6.84	5.05	-0.10	-6.42e-04	0.0	-5.03e-04
1878	178	-5.27	-1.08	-0.14	6.74e-05	0.0	3.99e-04
1878	203	-3.75	-7.79	-0.10	1.22e-03	0.0	3.28e-04

1878	208	8.01	5.91	-0.09	-7.51e-04	0.0	-5.90e-04
1878	210	-6.21	-1.26	-0.15	6.98e-05	0.0	4.66e-04
1878	235	-4.47	-9.12	-0.09	1.42e-03	0.0	3.90e-04
1879	4	0.23	0.53	-0.20	-1.71e-05	0.0	1.05e-05
1879	44	0.19	-1.19	-0.17	1.96e-04	0.0	-4.66e-06
1879	68	0.16	0.35	-0.14	-9.17e-06	0.0	7.08e-06
1879	88	0.14	-0.79	-0.12	1.33e-04	0.0	-3.06e-06
1879	98	0.13	-0.06	-0.12	3.76e-05	0.0	2.02e-06
1879	105	0.12	-0.21	-0.12	5.42e-05	0.0	0.0
1879	107	0.13	-0.06	-0.12	3.57e-05	0.0	1.87e-06
1879	112	6.68	4.80	-0.10	-5.24e-04	0.0	-4.76e-04
1879	114	-5.09	-1.00	-0.15	6.02e-05	0.0	3.78e-04
1879	139	-3.57	-7.50	-0.10	1.02e-03	0.0	3.04e-04
1879	144	7.52	5.42	-0.10	-5.94e-04	0.0	-5.37e-04
1879	146	-5.75	-1.12	-0.15	6.34e-05	0.0	4.25e-04
1879	171	-4.05	-8.44	-0.10	1.14e-03	0.0	3.43e-04
1879	176	7.49	5.36	-0.10	-5.79e-04	0.0	-5.31e-04
1879	178	-5.73	-1.10	-0.15	5.53e-05	0.0	4.19e-04
1879	203	-4.08	-8.40	-0.10	1.13e-03	0.0	3.46e-04
1879	208	8.77	6.28	-0.10	-6.78e-04	0.0	-6.22e-04
1879	210	-6.75	-1.28	-0.16	5.55e-05	0.0	4.89e-04
1879	235	-4.85	-9.83	-0.10	1.31e-03	0.0	4.13e-04
1880	4	0.06	0.50	-0.20	-2.55e-05	0.0	1.05e-05
1880	44	0.05	-0.88	-0.17	1.94e-04	0.0	-3.28e-06
1880	52	0.06	-0.01	-0.20	6.00e-05	0.0	4.79e-06
1880	68	0.04	0.34	-0.14	-1.49e-05	0.0	7.17e-06
1880	88	0.03	-0.59	-0.12	1.31e-04	0.0	-2.00e-06
1880	92	0.04	-7.85e-03	-0.14	4.21e-05	0.0	3.38e-06
1880	98	0.03	-5.96e-03	-0.12	3.46e-05	0.0	2.85e-06
1880	105	0.03	-0.12	-0.12	5.18e-05	0.0	1.73e-06
1880	107	0.03	-5.51e-03	-0.12	3.30e-05	0.0	2.73e-06
1880	112	4.88	3.67	-0.11	-6.29e-04	0.0	-3.91e-04
1880	134	0.35	4.30	-0.14	-9.18e-04	0.0	-2.35e-05
1880	139	-2.70	-5.64	-0.10	1.19e-03	0.0	2.44e-04
1880	144	5.50	4.13	-0.11	-7.12e-04	0.0	-4.40e-04
1880	166	0.39	4.84	-0.14	-1.04e-03	0.0	-2.72e-05
1880	171	-3.05	-6.35	-0.10	1.34e-03	0.0	2.75e-04
1880	176	5.49	4.10	-0.11	-6.97e-04	0.0	-4.38e-04
1880	198	0.40	4.80	-0.14	-1.03e-03	0.0	-2.91e-05
1880	203	-3.09	-6.32	-0.10	1.33e-03	0.0	2.79e-04
1880	208	6.45	4.80	-0.11	-8.16e-04	0.0	-5.15e-04
1880	230	0.46	5.59	-0.15	-1.20e-03	0.0	-3.68e-05
1880	235	-3.67	-7.40	-0.10	1.54e-03	0.0	3.33e-04
1881	4	0.11	0.52	-0.23	-2.28e-05	0.0	1.15e-05
1881	44	0.10	-0.98	-0.19	1.95e-04	0.0	-4.41e-06
1881	68	0.08	0.34	-0.16	-1.31e-05	0.0	7.81e-06
1881	88	0.07	-0.66	-0.14	1.32e-04	0.0	-2.80e-06
1881	98	0.07	-0.02	-0.14	3.56e-05	0.0	2.61e-06
1881	105	0.06	-0.15	-0.13	5.27e-05	0.0	1.37e-06
1881	107	0.06	-0.02	-0.13	3.39e-05	0.0	2.47e-06
1881	112	5.49	3.99	-0.13	-5.96e-04	0.0	-4.25e-04
1881	134	0.43	4.77	-0.16	-8.80e-04	0.0	-3.18e-05
1881	139	-2.99	-6.25	-0.11	1.15e-03	0.0	2.69e-04
1881	144	6.18	4.49	-0.13	-6.75e-04	0.0	-4.79e-04
1881	166	0.48	5.37	-0.16	-9.95e-04	0.0	-3.66e-05
1881	171	-3.39	-7.04	-0.11	1.29e-03	0.0	3.04e-04
1881	176	6.16	4.45	-0.13	-6.60e-04	0.0	-4.75e-04
1881	198	0.48	5.33	-0.16	-9.87e-04	0.0	-3.89e-05
1881	203	-3.42	-7.00	-0.11	1.27e-03	0.0	3.08e-04
1881	208	7.23	5.21	-0.12	-7.73e-04	0.0	-5.58e-04
1881	230	0.56	6.22	-0.16	-1.16e-03	0.0	-4.87e-05
1881	235	-4.07	-8.20	-0.11	1.48e-03	0.0	3.67e-04
1882	4	0.17	0.53	-0.25	-1.89e-05	0.0	1.26e-05
1882	44	0.15	-1.09	-0.21	1.96e-04	0.0	-4.72e-06
1882	68	0.12	0.35	-0.17	-1.04e-05	0.0	8.54e-06
1882	88	0.10	-0.73	-0.15	1.33e-04	0.0	-3.03e-06
1882	98	0.10	-0.04	-0.15	3.71e-05	0.0	2.70e-06
1882	105	0.09	-0.18	-0.14	5.39e-05	0.0	1.36e-06
1882	107	0.09	-0.04	-0.14	3.53e-05	0.0	2.53e-06
1882	112	6.10	4.28	-0.13	-5.49e-04	0.0	-4.53e-04
1882	134	0.52	5.22	-0.17	-8.28e-04	0.0	-3.78e-05
1882	139	-3.29	-6.83	-0.12	1.08e-03	0.0	2.91e-04
1882	144	6.86	4.82	-0.13	-6.22e-04	0.0	-5.11e-04
1882	166	0.57	5.88	-0.17	-9.36e-04	0.0	-4.34e-05
1882	171	-3.72	-7.69	-0.12	1.21e-03	0.0	3.28e-04

1882	176	6.84	4.78	-0.13	-6.08e-04	0.0	-5.07e-04
1882	198	0.57	5.83	-0.17	-9.28e-04	0.0	-4.59e-05
1882	203	-3.75	-7.65	-0.12	1.20e-03	0.0	3.32e-04
1882	208	8.01	5.59	-0.13	-7.12e-04	0.0	-5.94e-04
1882	230	0.65	6.81	-0.18	-1.09e-03	0.0	-5.72e-05
1882	235	-4.47	-8.95	-0.11	1.39e-03	0.0	3.95e-04
1883	4	0.23	0.54	-0.26	-1.45e-05	0.0	1.27e-05
1883	44	0.19	-1.19	-0.22	1.97e-04	0.0	-4.64e-06
1883	68	0.16	0.35	-0.18	-7.39e-06	0.0	8.55e-06
1883	88	0.14	-0.80	-0.16	1.33e-04	0.0	-3.01e-06
1883	98	0.13	-0.06	-0.15	3.88e-05	0.0	2.61e-06
1883	105	0.12	-0.21	-0.15	5.53e-05	0.0	1.28e-06
1883	107	0.12	-0.06	-0.15	3.69e-05	0.0	2.43e-06
1883	112	6.68	4.55	-0.14	-4.98e-04	0.0	-4.78e-04
1883	134	0.60	5.64	-0.18	-7.70e-04	0.0	-4.08e-05
1883	139	-3.57	-7.38	-0.13	1.01e-03	0.0	3.07e-04
1883	144	7.51	5.13	-0.14	-5.65e-04	0.0	-5.39e-04
1883	166	0.66	6.36	-0.18	-8.71e-04	0.0	-4.68e-05
1883	171	-4.05	-8.30	-0.12	1.13e-03	0.0	3.46e-04
1883	176	7.48	5.08	-0.14	-5.51e-04	0.0	-5.33e-04
1883	198	0.65	6.30	-0.18	-8.63e-04	0.0	-4.93e-05
1883	203	-4.07	-8.25	-0.12	1.12e-03	0.0	3.49e-04
1883	208	8.76	5.94	-0.14	-6.46e-04	0.0	-6.25e-04
1883	230	0.75	7.36	-0.19	-1.01e-03	0.0	-6.12e-05
1883	235	-4.85	-9.65	-0.12	1.30e-03	0.0	4.16e-04
1884	4	0.06	0.51	-0.28	-2.60e-05	0.0	8.37e-06
1884	44	0.05	-0.88	-0.23	1.96e-04	0.0	-4.17e-06
1884	52	0.06	-9.03e-03	-0.27	6.11e-05	0.0	2.78e-06
1884	68	0.04	0.34	-0.19	-1.52e-05	0.0	5.72e-06
1884	88	0.03	-0.59	-0.16	1.33e-04	0.0	-2.64e-06
1884	92	0.04	-6.04e-03	-0.19	4.29e-05	0.0	1.99e-06
1884	98	0.03	-4.42e-03	-0.16	3.54e-05	0.0	1.77e-06
1884	105	0.03	-0.12	-0.15	5.27e-05	0.0	0.0
1884	107	0.03	-4.03e-03	-0.15	3.37e-05	0.0	1.71e-06
1884	112	4.88	3.46	-0.15	-5.85e-04	0.0	-3.95e-04
1884	134	0.35	4.33	-0.19	-8.98e-04	0.0	-2.58e-05
1884	139	-2.70	-5.54	-0.13	1.15e-03	0.0	2.46e-04
1884	144	5.50	3.90	-0.15	-6.63e-04	0.0	-4.45e-04
1884	166	0.39	4.88	-0.19	-1.02e-03	0.0	-2.98e-05
1884	171	-3.05	-6.24	-0.12	1.30e-03	0.0	2.78e-04
1884	176	5.49	3.87	-0.15	-6.49e-04	0.0	-4.43e-04
1884	198	0.39	4.83	-0.19	-1.01e-03	0.0	-3.19e-05
1884	203	-3.09	-6.21	-0.12	1.28e-03	0.0	2.82e-04
1884	208	6.45	4.52	-0.15	-7.60e-04	0.0	-5.20e-04
1884	230	0.46	5.63	-0.20	-1.18e-03	0.0	-4.01e-05
1884	235	-3.67	-7.27	-0.12	1.49e-03	0.0	3.37e-04
1885	4	0.11	0.52	-0.31	-2.42e-05	0.0	9.26e-06
1885	44	0.10	-0.99	-0.26	1.96e-04	0.0	-6.27e-06
1885	68	0.08	0.35	-0.22	-1.40e-05	0.0	6.26e-06
1885	88	0.07	-0.66	-0.18	1.33e-04	0.0	-4.09e-06
1885	98	0.07	-0.02	-0.18	3.57e-05	0.0	1.18e-06
1885	105	0.06	-0.15	-0.17	5.29e-05	0.0	0.0
1885	107	0.06	-0.02	-0.17	3.40e-05	0.0	1.14e-06
1885	112	5.49	3.75	-0.17	-5.58e-04	0.0	-4.33e-04
1885	134	0.43	4.80	-0.21	-8.69e-04	0.0	-3.68e-05
1885	139	-3.00	-6.14	-0.14	1.12e-03	0.0	2.75e-04
1885	144	6.18	4.23	-0.17	-6.33e-04	0.0	-4.88e-04
1885	166	0.48	5.40	-0.21	-9.83e-04	0.0	-4.21e-05
1885	171	-3.39	-6.91	-0.14	1.25e-03	0.0	3.10e-04
1885	176	6.16	4.19	-0.17	-6.19e-04	0.0	-4.84e-04
1885	198	0.48	5.35	-0.21	-9.74e-04	0.0	-4.48e-05
1885	203	-3.42	-6.87	-0.14	1.24e-03	0.0	3.15e-04
1885	208	7.23	4.91	-0.17	-7.25e-04	0.0	-5.68e-04
1885	230	0.55	6.25	-0.22	-1.14e-03	0.0	-5.56e-05
1885	235	-4.07	-8.04	-0.13	1.44e-03	0.0	3.76e-04
1886	4	0.17	0.53	-0.33	-2.02e-05	0.0	1.16e-05
1886	44	0.15	-1.09	-0.27	1.96e-04	0.0	-6.46e-06
1886	68	0.12	0.35	-0.23	-1.12e-05	0.0	7.77e-06
1886	88	0.10	-0.73	-0.20	1.33e-04	0.0	-4.24e-06
1886	98	0.10	-0.04	-0.19	3.69e-05	0.0	1.68e-06
1886	105	0.09	-0.18	-0.18	5.37e-05	0.0	0.0
1886	107	0.09	-0.04	-0.18	3.51e-05	0.0	1.58e-06
1886	112	6.10	4.03	-0.19	-5.20e-04	0.0	-4.62e-04
1886	134	0.52	5.25	-0.22	-8.27e-04	0.0	-4.29e-05
1886	139	-3.29	-6.71	-0.15	1.06e-03	0.0	2.97e-04

1886	144	6.86	4.55	-0.19	-5.89e-04	0.0	-5.21e-04
1886	166	0.57	5.91	-0.23	-9.35e-04	0.0	-4.90e-05
1886	171	-3.72	-7.55	-0.15	1.19e-03	0.0	3.36e-04
1886	176	6.84	4.50	-0.19	-5.76e-04	0.0	-5.17e-04
1886	198	0.57	5.86	-0.23	-9.26e-04	0.0	-5.19e-05
1886	203	-3.76	-7.51	-0.15	1.18e-03	0.0	3.40e-04
1886	208	8.01	5.27	-0.19	-6.75e-04	0.0	-6.06e-04
1886	230	0.65	6.83	-0.24	-1.09e-03	0.0	-6.42e-05
1886	235	-4.47	-8.78	-0.14	1.37e-03	0.0	4.05e-04
1887	4	0.22	0.54	-0.35	-1.36e-05	0.0	1.41e-05
1887	44	0.19	-1.19	-0.29	1.97e-04	0.0	-5.13e-06
1887	68	0.16	0.36	-0.25	-6.70e-06	0.0	9.45e-06
1887	88	0.14	-0.80	-0.21	1.33e-04	0.0	-3.33e-06
1887	98	0.13	-0.06	-0.20	3.92e-05	0.0	2.78e-06
1887	105	0.12	-0.20	-0.19	5.56e-05	0.0	1.33e-06
1887	107	0.12	-0.06	-0.19	3.73e-05	0.0	2.59e-06
1887	112	6.68	4.29	-0.19	-4.75e-04	0.0	-4.83e-04
1887	134	0.60	5.67	-0.24	-7.76e-04	0.0	-4.22e-05
1887	139	-3.57	-7.25	-0.16	1.00e-03	0.0	3.11e-04
1887	144	7.51	4.83	-0.19	-5.39e-04	0.0	-5.44e-04
1887	166	0.66	6.38	-0.24	-8.78e-04	0.0	-4.84e-05
1887	171	-4.05	-8.16	-0.15	1.12e-03	0.0	3.51e-04
1887	176	7.48	4.79	-0.20	-5.26e-04	0.0	-5.39e-04
1887	198	0.66	6.33	-0.24	-8.69e-04	0.0	-5.11e-05
1887	203	-4.07	-8.11	-0.15	1.11e-03	0.0	3.55e-04
1887	208	8.76	5.60	-0.20	-6.17e-04	0.0	-6.32e-04
1887	230	0.75	7.39	-0.25	-1.02e-03	0.0	-6.34e-05
1887	235	-4.85	-9.47	-0.15	1.29e-03	0.0	4.23e-04
1888	4	0.06	0.51	-0.39	-2.52e-05	0.0	4.78e-06
1888	44	0.05	-0.89	-0.32	2.00e-04	0.0	-5.52e-06
1888	52	0.06	-8.14e-03	-0.38	6.42e-05	0.0	0.0
1888	68	0.04	0.34	-0.27	-1.45e-05	0.0	3.25e-06
1888	88	0.03	-0.59	-0.22	1.36e-04	0.0	-3.62e-06
1888	92	0.04	-5.38e-03	-0.27	4.51e-05	0.0	0.0
1888	98	0.03	-3.78e-03	-0.22	3.72e-05	0.0	0.0
1888	105	0.03	-0.12	-0.21	5.46e-05	0.0	0.0
1888	107	0.03	-3.40e-03	-0.21	3.54e-05	0.0	0.0
1888	112	4.88	3.25	-0.21	-5.32e-04	0.0	-4.02e-04
1888	134	0.35	4.36	-0.27	-8.67e-04	0.0	-2.94e-05
1888	139	-2.70	-5.45	-0.16	1.10e-03	0.0	2.49e-04
1888	144	5.50	3.65	-0.21	-6.03e-04	0.0	-4.53e-04
1888	166	0.39	4.91	-0.27	-9.80e-04	0.0	-3.36e-05
1888	171	-3.05	-6.14	-0.16	1.24e-03	0.0	2.82e-04
1888	176	5.49	3.62	-0.22	-5.91e-04	0.0	-4.51e-04
1888	198	0.39	4.86	-0.27	-9.71e-04	0.0	-3.60e-05
1888	203	-3.09	-6.10	-0.16	1.23e-03	0.0	2.86e-04
1888	208	6.45	4.24	-0.22	-6.93e-04	0.0	-5.29e-04
1888	230	0.46	5.67	-0.28	-1.14e-03	0.0	-4.49e-05
1888	235	-3.68	-7.13	-0.15	1.42e-03	0.0	3.42e-04
1889	4	0.11	0.53	-0.44	-2.62e-05	0.0	5.54e-06
1889	44	0.09	-0.99	-0.36	1.97e-04	0.0	-8.54e-06
1889	52	0.11	-0.04	-0.43	6.15e-05	0.0	-1.78e-06
1889	68	0.08	0.35	-0.31	-1.52e-05	0.0	3.69e-06
1889	88	0.07	-0.66	-0.25	1.34e-04	0.0	-5.70e-06
1889	92	0.08	-0.03	-0.30	4.32e-05	0.0	-1.20e-06
1889	98	0.06	-0.02	-0.25	3.58e-05	0.0	0.0
1889	105	0.06	-0.15	-0.23	5.32e-05	0.0	-1.72e-06
1889	107	0.06	-0.02	-0.24	3.41e-05	0.0	0.0
1889	112	5.49	3.52	-0.24	-5.18e-04	0.0	-4.44e-04
1889	134	0.43	4.82	-0.30	-8.56e-04	0.0	-4.24e-05
1889	139	-3.00	-6.02	-0.18	1.08e-03	0.0	2.81e-04
1889	144	6.17	3.96	-0.24	-5.87e-04	0.0	-5.01e-04
1889	166	0.48	5.42	-0.31	-9.67e-04	0.0	-4.82e-05
1889	171	-3.39	-6.78	-0.18	1.22e-03	0.0	3.18e-04
1889	176	6.16	3.93	-0.24	-5.75e-04	0.0	-4.98e-04
1889	198	0.48	5.37	-0.31	-9.58e-04	0.0	-5.12e-05
1889	203	-3.42	-6.74	-0.18	1.20e-03	0.0	3.23e-04
1889	208	7.23	4.59	-0.24	-6.74e-04	0.0	-5.84e-04
1889	230	0.55	6.26	-0.32	-1.12e-03	0.0	-6.30e-05
1889	235	-4.07	-7.88	-0.17	1.40e-03	0.0	3.86e-04
1890	4	0.17	0.54	-0.47	-2.38e-05	0.0	7.62e-06
1890	44	0.14	-1.09	-0.38	1.95e-04	0.0	-9.35e-06
1890	68	0.12	0.36	-0.33	-1.36e-05	0.0	5.05e-06
1890	88	0.10	-0.73	-0.27	1.32e-04	0.0	-6.27e-06
1890	98	0.10	-0.04	-0.27	3.55e-05	0.0	0.0

1890	105	0.09	-0.18	-0.25	5.27e-05	0.0	-1.69e-06
1890	107	0.09	-0.04	-0.25	3.39e-05	0.0	0.0
1890	112	6.10	3.78	-0.26	-4.93e-04	0.0	-4.76e-04
1890	134	0.52	5.26	-0.32	-8.32e-04	0.0	-4.95e-05
1890	139	-3.29	-6.58	-0.19	1.05e-03	0.0	3.05e-04
1890	144	6.86	4.26	-0.26	-5.59e-04	0.0	-5.36e-04
1890	166	0.57	5.93	-0.33	-9.40e-04	0.0	-5.62e-05
1890	171	-3.72	-7.41	-0.19	1.18e-03	0.0	3.45e-04
1890	176	6.84	4.22	-0.26	-5.47e-04	0.0	-5.32e-04
1890	198	0.57	5.87	-0.33	-9.31e-04	0.0	-5.95e-05
1890	203	-3.76	-7.36	-0.19	1.16e-03	0.0	3.50e-04
1890	208	8.01	4.93	-0.26	-6.41e-04	0.0	-6.24e-04
1890	230	0.65	6.85	-0.34	-1.09e-03	0.0	-7.29e-05
1890	235	-4.47	-8.60	-0.18	1.35e-03	0.0	4.18e-04
1891	4	0.22	0.55	-0.49	-1.64e-05	0.0	1.14e-05
1891	44	0.19	-1.19	-0.40	1.94e-04	0.0	-7.45e-06
1891	68	0.16	0.37	-0.35	-8.59e-06	0.0	7.62e-06
1891	88	0.14	-0.80	-0.29	1.32e-04	0.0	-4.97e-06
1891	98	0.13	-0.06	-0.28	3.76e-05	0.0	1.11e-06
1891	105	0.12	-0.20	-0.26	5.42e-05	0.0	0.0
1891	107	0.12	-0.06	-0.27	3.59e-05	0.0	1.01e-06
1891	112	6.68	4.02	-0.27	-4.59e-04	0.0	-4.95e-04
1891	134	0.60	5.69	-0.34	-7.93e-04	0.0	-4.69e-05
1891	139	-3.57	-7.12	-0.20	1.00e-03	0.0	3.18e-04
1891	144	7.51	4.54	-0.27	-5.21e-04	0.0	-5.57e-04
1891	166	0.66	6.41	-0.35	-8.96e-04	0.0	-5.35e-05
1891	171	-4.05	-8.01	-0.19	1.12e-03	0.0	3.59e-04
1891	176	7.49	4.49	-0.27	-5.09e-04	0.0	-5.53e-04
1891	198	0.66	6.35	-0.35	-8.87e-04	0.0	-5.66e-05
1891	203	-4.08	-7.95	-0.19	1.11e-03	0.0	3.64e-04
1891	208	8.76	5.25	-0.28	-5.97e-04	0.0	-6.48e-04
1891	230	0.75	7.41	-0.36	-1.04e-03	0.0	-6.98e-05
1891	235	-4.85	-9.29	-0.18	1.29e-03	0.0	4.34e-04
1892	4	0.05	0.51	-0.54	-1.66e-05	0.0	1.55e-06
1892	44	0.05	-0.89	-0.44	2.07e-04	0.0	-5.89e-06
1892	52	0.06	-9.51e-03	-0.53	7.37e-05	0.0	-2.64e-06
1892	68	0.04	0.34	-0.38	-8.51e-06	0.0	1.02e-06
1892	88	0.03	-0.59	-0.31	1.41e-04	0.0	-3.94e-06
1892	92	0.04	-6.29e-03	-0.37	5.17e-05	0.0	-1.77e-06
1892	98	0.03	-4.40e-03	-0.31	4.26e-05	0.0	-1.28e-06
1892	105	0.03	-0.12	-0.29	5.96e-05	0.0	-1.67e-06
1892	107	0.03	-3.97e-03	-0.29	4.05e-05	0.0	-1.17e-06
1892	112	4.88	3.03	-0.33	-4.89e-04	0.0	-4.10e-04
1892	136	2.76	5.34	-0.37	-1.01e-03	0.0	-2.53e-04
1892	139	-2.70	-5.35	-0.21	1.09e-03	0.0	2.51e-04
1892	144	5.50	3.41	-0.33	-5.56e-04	0.0	-4.61e-04
1892	168	3.11	6.02	-0.38	-1.14e-03	0.0	-2.86e-04
1892	171	-3.05	-6.03	-0.20	1.22e-03	0.0	2.84e-04
1892	176	5.49	3.38	-0.33	-5.45e-04	0.0	-4.60e-04
1892	200	3.15	5.97	-0.38	-1.13e-03	0.0	-2.91e-04
1892	203	-3.09	-5.98	-0.20	1.21e-03	0.0	2.89e-04
1892	208	6.45	3.95	-0.34	-6.40e-04	0.0	-5.40e-04
1892	232	3.74	6.99	-0.39	-1.32e-03	0.0	-3.48e-04
1892	235	-3.68	-6.99	-0.19	1.40e-03	0.0	3.46e-04
1893	4	0.11	0.53	-0.61	-2.67e-05	0.0	2.71e-06
1893	44	0.09	-1.00	-0.50	2.00e-04	0.0	-9.13e-06
1893	52	0.11	-0.04	-0.60	6.29e-05	0.0	-3.88e-06
1893	68	0.08	0.35	-0.43	-1.55e-05	0.0	1.74e-06
1893	88	0.07	-0.67	-0.35	1.35e-04	0.0	-6.16e-06
1893	92	0.08	-0.03	-0.42	4.42e-05	0.0	-2.66e-06
1893	98	0.06	-0.02	-0.35	3.66e-05	0.0	-2.04e-06
1893	105	0.06	-0.15	-0.33	5.42e-05	0.0	-2.68e-06
1893	107	0.06	-0.02	-0.33	3.49e-05	0.0	-1.90e-06
1893	112	5.49	3.27	-0.34	-4.75e-04	0.0	-4.54e-04
1893	134	0.43	4.83	-0.42	-8.44e-04	0.0	-4.18e-05
1893	139	-3.00	-5.90	-0.24	1.05e-03	0.0	2.84e-04
1893	144	6.17	3.68	-0.34	-5.39e-04	0.0	-5.12e-04
1893	166	0.48	5.44	-0.43	-9.54e-04	0.0	-4.74e-05
1893	171	-3.39	-6.64	-0.23	1.18e-03	0.0	3.22e-04
1893	176	6.16	3.65	-0.34	-5.28e-04	0.0	-5.10e-04
1893	200	3.55	6.55	-0.43	-1.10e-03	0.0	-3.31e-04
1893	203	-3.42	-6.59	-0.23	1.17e-03	0.0	3.27e-04
1893	208	7.23	4.27	-0.34	-6.19e-04	0.0	-5.98e-04
1893	232	4.20	7.66	-0.45	-1.29e-03	0.0	-3.96e-04
1893	235	-4.07	-7.70	-0.21	1.36e-03	0.0	3.92e-04

1894	4	0.17	0.54	-0.67	-2.73e-05	0.0	1.62e-06
1894	44	0.14	-1.10	-0.54	1.94e-04	0.0	-1.20e-05
1894	68	0.12	0.36	-0.47	-1.60e-05	0.0	0.0
1894	88	0.10	-0.74	-0.38	1.31e-04	0.0	-8.18e-06
1894	98	0.10	-0.04	-0.37	3.43e-05	0.0	-3.41e-06
1894	105	0.09	-0.18	-0.35	5.17e-05	0.0	-4.13e-06
1894	107	0.09	-0.04	-0.36	3.28e-05	0.0	-3.23e-06
1894	112	6.10	3.51	-0.37	-4.66e-04	0.0	-4.88e-04
1894	134	0.52	5.27	-0.46	-8.36e-04	0.0	-5.00e-05
1894	139	-3.29	-6.45	-0.26	1.04e-03	0.0	3.07e-04
1894	144	6.86	3.96	-0.37	-5.29e-04	0.0	-5.50e-04
1894	166	0.57	5.94	-0.47	-9.45e-04	0.0	-5.65e-05
1894	171	-3.72	-7.25	-0.25	1.16e-03	0.0	3.47e-04
1894	176	6.84	3.92	-0.37	-5.18e-04	0.0	-5.47e-04
1894	198	0.57	5.88	-0.47	-9.35e-04	0.0	-6.00e-05
1894	203	-3.76	-7.20	-0.25	1.15e-03	0.0	3.53e-04
1894	208	8.01	4.59	-0.37	-6.07e-04	0.0	-6.41e-04
1894	230	0.65	6.85	-0.49	-1.09e-03	0.0	-7.32e-05
1894	235	-4.47	-8.41	-0.23	1.33e-03	0.0	4.23e-04
1895	4	0.23	0.56	-0.71	-2.36e-05	0.0	1.09e-06
1895	44	0.19	-1.20	-0.57	1.90e-04	0.0	-1.31e-05
1895	68	0.16	0.37	-0.50	-1.35e-05	0.0	0.0
1895	88	0.14	-0.80	-0.41	1.29e-04	0.0	-8.95e-06
1895	98	0.13	-0.06	-0.40	3.39e-05	0.0	-3.96e-06
1895	105	0.12	-0.20	-0.38	5.09e-05	0.0	-4.72e-06
1895	107	0.13	-0.06	-0.38	3.24e-05	0.0	-3.78e-06
1895	112	6.69	3.75	-0.39	-4.53e-04	0.0	-5.13e-04
1895	134	0.60	5.71	-0.50	-8.24e-04	0.0	-5.19e-05
1895	139	-3.58	-6.98	-0.27	1.02e-03	0.0	3.21e-04
1895	144	7.52	4.23	-0.39	-5.14e-04	0.0	-5.77e-04
1895	166	0.66	6.43	-0.52	-9.31e-04	0.0	-5.86e-05
1895	171	-4.05	-7.85	-0.26	1.14e-03	0.0	3.64e-04
1895	176	7.50	4.18	-0.39	-5.03e-04	0.0	-5.73e-04
1895	198	0.66	6.37	-0.52	-9.22e-04	0.0	-6.20e-05
1895	203	-4.08	-7.79	-0.26	1.13e-03	0.0	3.69e-04
1895	208	8.77	4.89	-0.40	-5.89e-04	0.0	-6.72e-04
1895	230	0.75	7.43	-0.54	-1.08e-03	0.0	-7.56e-05
1895	235	-4.86	-9.10	-0.24	1.31e-03	0.0	4.42e-04
1896	4	0.05	0.52	-0.75	4.96e-05	9.44e-05	5.75e-06
1896	44	0.05	-0.89	-0.60	2.31e-04	8.04e-05	0.0
1896	52	0.05	-0.01	-0.73	1.27e-04	9.34e-05	2.69e-06
1896	68	0.04	0.34	-0.52	3.72e-05	6.63e-05	3.93e-06
1896	88	0.03	-0.60	-0.43	1.58e-04	5.70e-05	0.0
1896	92	0.04	-7.24e-03	-0.51	8.88e-05	6.57e-05	1.89e-06
1896	98	0.03	-5.05e-03	-0.42	7.28e-05	5.46e-05	1.57e-06
1896	105	0.03	-0.12	-0.39	8.53e-05	5.18e-05	1.12e-06
1896	107	0.03	-4.55e-03	-0.40	6.92e-05	5.20e-05	1.50e-06
1896	112	4.88	2.80	-0.48	-3.32e-04	9.32e-04	-4.02e-04
1896	124	-0.27	4.97	-0.52	-7.00e-04	7.60e-04	2.55e-05
1896	139	-2.70	-5.25	-0.30	9.17e-04	2.21e-04	2.49e-04
1896	144	5.49	3.15	-0.49	-3.82e-04	1.04e-03	-4.53e-04
1896	156	-0.30	5.59	-0.53	-7.95e-04	8.49e-04	2.90e-05
1896	171	-3.05	-5.91	-0.29	1.02e-03	2.42e-04	2.81e-04
1896	176	5.49	3.12	-0.49	-3.73e-04	1.03e-03	-4.51e-04
1896	188	-0.31	5.49	-0.53	-7.78e-04	8.37e-04	3.11e-05
1896	203	-3.09	-5.86	-0.29	1.01e-03	2.35e-04	2.86e-04
1896	208	6.44	3.65	-0.51	-4.44e-04	1.19e-03	-5.30e-04
1896	220	-0.36	6.37	-0.55	-9.13e-04	9.67e-04	3.87e-05
1896	235	-3.68	-6.85	-0.27	1.17e-03	2.58e-04	3.42e-04
1897	4	0.11	0.53	-0.81	-1.13e-05	1.06e-04	1.48e-06
1897	44	0.09	-1.00	-0.65	2.08e-04	9.01e-05	-5.80e-06
1897	52	0.11	-0.05	-0.79	7.66e-05	1.05e-04	-2.64e-06
1897	68	0.08	0.35	-0.57	-4.77e-06	7.42e-05	0.0
1897	88	0.07	-0.67	-0.46	1.41e-04	6.37e-05	-3.94e-06
1897	92	0.08	-0.03	-0.55	5.38e-05	7.35e-05	-1.84e-06
1897	98	0.06	-0.03	-0.45	4.46e-05	6.09e-05	-1.51e-06
1897	105	0.06	-0.15	-0.43	6.12e-05	5.78e-05	-1.89e-06
1897	107	0.06	-0.02	-0.43	4.25e-05	5.80e-05	-1.42e-06
1897	112	5.49	3.02	-0.54	-4.17e-04	9.36e-04	-4.61e-04
1897	124	-0.29	5.42	-0.59	-8.39e-04	7.64e-04	2.33e-05
1897	139	-3.00	-5.79	-0.30	1.01e-03	2.28e-04	2.83e-04
1897	144	6.17	3.41	-0.55	-4.75e-04	1.05e-03	-5.20e-04
1897	156	-0.33	6.10	-0.61	-9.49e-04	8.53e-04	2.69e-05
1897	171	-3.39	-6.51	-0.28	1.13e-03	2.48e-04	3.20e-04
1897	176	6.16	3.37	-0.55	-4.65e-04	1.03e-03	-5.18e-04

1897	188	-0.33	5.99	-0.61	-9.29e-04	8.41e-04	2.91e-05
1897	203	-3.42	-6.46	-0.28	1.12e-03	2.41e-04	3.26e-04
1897	208	7.23	3.94	-0.57	-5.47e-04	1.20e-03	-6.09e-04
1897	220	-0.40	6.95	-0.63	-1.08e-03	9.71e-04	3.70e-05
1897	235	-4.07	-7.54	-0.26	1.30e-03	2.65e-04	3.90e-04
1898	4	0.17	0.54	-0.86	-2.20e-05	1.03e-04	-3.80e-06
1898	44	0.14	-1.11	-0.68	1.97e-04	8.89e-05	-1.12e-05
1898	68	0.12	0.36	-0.60	-1.23e-05	7.26e-05	-2.80e-06
1898	88	0.10	-0.74	-0.48	1.34e-04	6.28e-05	-7.75e-06
1898	98	0.10	-0.05	-0.48	3.73e-05	5.97e-05	-4.86e-06
1898	105	0.09	-0.18	-0.45	5.45e-05	5.67e-05	-5.13e-06
1898	107	0.09	-0.04	-0.45	3.57e-05	5.68e-05	-4.61e-06
1898	112	6.10	3.24	-0.58	-4.30e-04	9.16e-04	-4.90e-04
1898	124	-0.31	5.87	-0.64	-8.58e-04	7.48e-04	2.35e-05
1898	139	-3.29	-6.32	-0.30	1.02e-03	2.26e-04	2.97e-04
1898	144	6.86	3.66	-0.59	-4.88e-04	1.03e-03	-5.51e-04
1898	156	-0.36	6.60	-0.66	-9.69e-04	8.35e-04	2.75e-05
1898	171	-3.72	-7.11	-0.28	1.14e-03	2.46e-04	3.36e-04
1898	176	6.84	3.62	-0.59	-4.78e-04	1.01e-03	-5.48e-04
1898	188	-0.36	6.48	-0.66	-9.49e-04	8.23e-04	2.98e-05
1898	203	-3.75	-7.05	-0.28	1.13e-03	2.40e-04	3.42e-04
1898	208	8.01	4.23	-0.62	-5.61e-04	1.17e-03	-6.43e-04
1898	220	-0.44	7.53	-0.69	-1.11e-03	9.50e-04	3.84e-05
1898	235	-4.47	-8.22	-0.25	1.31e-03	2.63e-04	4.10e-04
1899	4	0.23	0.56	-0.89	-2.58e-05	7.26e-05	-1.43e-05
1899	44	0.20	-1.21	-0.71	1.87e-04	6.49e-05	-2.00e-05
1899	68	0.16	0.37	-0.62	-1.50e-05	5.12e-05	-1.01e-05
1899	88	0.14	-0.81	-0.50	1.27e-04	4.60e-05	-1.39e-05
1899	98	0.13	-0.06	-0.50	3.26e-05	4.29e-05	-1.08e-05
1899	105	0.13	-0.21	-0.47	4.97e-05	4.10e-05	-1.07e-05
1899	107	0.13	-0.06	-0.47	3.12e-05	4.09e-05	-1.02e-05
1899	112	6.71	3.47	-0.61	-4.34e-04	7.99e-04	-5.33e-04
1899	124	-0.33	6.32	-0.68	-8.64e-04	6.49e-04	1.93e-05
1899	139	-3.58	-6.85	-0.30	1.01e-03	1.97e-04	3.12e-04
1899	144	7.54	3.91	-0.63	-4.93e-04	8.95e-04	-5.99e-04
1899	156	-0.39	7.11	-0.70	-9.75e-04	7.25e-04	2.37e-05
1899	171	-4.06	-7.70	-0.28	1.13e-03	2.16e-04	3.54e-04
1899	176	7.51	3.87	-0.63	-4.83e-04	8.83e-04	-5.97e-04
1899	188	-0.38	6.98	-0.70	-9.55e-04	7.14e-04	2.63e-05
1899	203	-4.09	-7.63	-0.28	1.12e-03	2.10e-04	3.61e-04
1899	208	8.79	4.52	-0.66	-5.66e-04	1.02e-03	-7.00e-04
1899	220	-0.47	8.11	-0.74	-1.11e-03	8.26e-04	3.57e-05
1899	235	-4.87	-8.91	-0.24	1.30e-03	2.31e-04	4.34e-04
1900	4	0.28	0.53	-0.19	-3.01e-05	0.0	4.38e-06
1900	44	0.23	-1.27	-0.15	1.91e-04	0.0	-5.82e-06
1900	68	0.19	0.35	-0.14	-1.83e-05	0.0	2.83e-06
1900	88	0.17	-0.85	-0.11	1.29e-04	0.0	-3.97e-06
1900	98	0.16	-0.08	-0.12	3.12e-05	0.0	0.0
1900	105	0.15	-0.23	-0.11	4.88e-05	0.0	-1.06e-06
1900	107	0.15	-0.08	-0.11	2.97e-05	0.0	0.0
1900	112	7.15	6.12	0.12	-5.47e-04	0.0	-4.99e-04
1900	114	-5.41	-1.98	-0.43	1.21e-04	0.0	3.93e-04
1900	139	-3.79	-8.50	-0.04	9.45e-04	0.0	3.15e-04
1900	144	8.03	6.91	0.15	-6.19e-04	0.0	-5.63e-04
1900	146	-6.11	-2.23	-0.47	1.33e-04	0.0	4.42e-04
1900	171	-4.29	-9.56	-0.03	1.06e-03	0.0	3.56e-04
1900	176	8.00	6.84	0.15	-6.03e-04	0.0	-5.56e-04
1900	178	-6.09	-2.19	-0.47	1.23e-04	0.0	4.36e-04
1900	203	-4.32	-9.54	-0.03	1.05e-03	0.0	3.59e-04
1900	208	9.36	8.01	0.19	-7.05e-04	0.0	-6.51e-04
1900	210	-7.17	-2.54	-0.53	1.34e-04	0.0	5.08e-04
1900	235	-5.15	-11.18	-0.02	1.22e-03	0.0	4.28e-04
1901	4	0.27	0.53	-0.16	-2.65e-05	0.0	4.64e-06
1901	44	0.23	-1.27	-0.14	1.92e-04	0.0	-5.76e-06
1901	68	0.19	0.35	-0.12	-1.58e-05	0.0	3.01e-06
1901	88	0.16	-0.85	-0.10	1.30e-04	0.0	-3.93e-06
1901	98	0.15	-0.08	-0.10	3.30e-05	0.0	0.0
1901	105	0.15	-0.23	-0.10	5.03e-05	0.0	0.0
1901	107	0.15	-0.08	-0.10	3.13e-05	0.0	0.0
1901	112	7.14	5.85	0.03	-5.35e-04	0.0	-5.00e-04
1901	114	-5.41	-1.74	-0.28	1.06e-04	0.0	3.93e-04
1901	139	-3.80	-8.37	-0.06	9.54e-04	0.0	3.16e-04
1901	144	8.03	6.60	0.05	-6.07e-04	0.0	-5.63e-04
1901	146	-6.12	-1.96	-0.30	1.15e-04	0.0	4.43e-04
1901	171	-4.30	-9.42	-0.05	1.07e-03	0.0	3.57e-04

1901	176	7.99	6.54	0.05	-5.91e-04	0.0	-5.57e-04
1901	178	-6.09	-1.92	-0.30	1.06e-04	0.0	4.36e-04
1901	203	-4.33	-9.39	-0.05	1.06e-03	0.0	3.59e-04
1901	208	9.35	7.65	0.07	-6.91e-04	0.0	-6.52e-04
1901	210	-7.17	-2.23	-0.33	1.14e-04	0.0	5.09e-04
1901	235	-5.15	-11.00	-0.05	1.23e-03	0.0	4.28e-04
1902	4	0.29	0.54	-0.20	-3.06e-05	0.0	0.0
1902	44	0.25	-1.37	-0.16	1.91e-04	0.0	-7.39e-06
1902	68	0.21	0.36	-0.14	-1.86e-05	0.0	0.0
1902	88	0.18	-0.92	-0.12	1.29e-04	0.0	-5.13e-06
1902	98	0.17	-0.10	-0.12	3.11e-05	0.0	-2.09e-06
1902	105	0.16	-0.26	-0.12	4.86e-05	0.0	-2.63e-06
1902	107	0.16	-0.09	-0.12	2.96e-05	0.0	-2.04e-06
1902	112	7.53	6.37	0.11	-5.03e-04	0.0	-5.15e-04
1902	114	-5.69	-2.04	-0.43	1.10e-04	0.0	4.03e-04
1902	139	-3.99	-8.94	-0.04	8.83e-04	0.0	3.20e-04
1902	144	8.46	7.19	0.14	-5.70e-04	0.0	-5.80e-04
1902	146	-6.43	-2.28	-0.47	1.20e-04	0.0	4.54e-04
1902	171	-4.52	-10.06	-0.04	9.91e-04	0.0	3.62e-04
1902	176	8.42	7.11	0.14	-5.55e-04	0.0	-5.73e-04
1902	178	-6.40	-2.24	-0.46	1.11e-04	0.0	4.48e-04
1902	203	-4.55	-10.03	-0.04	9.82e-04	0.0	3.64e-04
1902	208	9.85	8.33	0.18	-6.49e-04	0.0	-6.70e-04
1902	210	-7.53	-2.60	-0.52	1.21e-04	0.0	5.23e-04
1902	235	-5.42	-11.75	-0.03	1.14e-03	0.0	4.34e-04
1903	4	0.28	0.54	-0.17	-2.72e-05	0.0	1.14e-06
1903	44	0.24	-1.37	-0.14	1.92e-04	0.0	-7.18e-06
1903	68	0.20	0.36	-0.12	-1.63e-05	0.0	0.0
1903	88	0.17	-0.92	-0.11	1.30e-04	0.0	-4.98e-06
1903	98	0.16	-0.10	-0.11	3.27e-05	0.0	-1.87e-06
1903	105	0.16	-0.26	-0.10	5.01e-05	0.0	-2.44e-06
1903	107	0.16	-0.09	-0.11	3.11e-05	0.0	-1.83e-06
1903	112	7.52	6.10	0.03	-4.89e-04	0.0	-5.16e-04
1903	114	-5.69	-1.79	-0.29	9.46e-05	0.0	4.04e-04
1903	139	-4.00	-8.82	-0.06	8.86e-04	0.0	3.21e-04
1903	144	8.45	6.88	0.05	-5.54e-04	0.0	-5.81e-04
1903	146	-6.43	-2.00	-0.31	1.03e-04	0.0	4.55e-04
1903	171	-4.53	-9.92	-0.06	9.94e-04	0.0	3.63e-04
1903	176	8.41	6.80	0.04	-5.39e-04	0.0	-5.74e-04
1903	178	-6.40	-1.96	-0.31	9.35e-05	0.0	4.49e-04
1903	203	-4.55	-9.88	-0.06	9.85e-04	0.0	3.66e-04
1903	208	9.84	7.97	0.07	-6.31e-04	0.0	-6.71e-04
1903	210	-7.53	-2.28	-0.34	1.01e-04	0.0	5.24e-04
1903	235	-5.42	-11.58	-0.05	1.15e-03	0.0	4.36e-04
1904	4	0.29	0.56	-0.20	1.89e-05	0.0	-2.17e-06
1904	44	0.25	-1.46	-0.17	1.45e-04	0.0	-8.65e-06
1904	52	0.29	-0.20	-0.19	6.88e-05	0.0	-5.49e-06
1904	68	0.20	0.36	-0.15	1.46e-05	0.0	-1.75e-06
1904	88	0.18	-0.98	-0.12	9.85e-05	0.0	-6.07e-06
1904	92	0.20	-0.14	-0.14	4.79e-05	0.0	-3.97e-06
1904	98	0.17	-0.11	-0.13	3.84e-05	0.0	-3.49e-06
1904	105	0.16	-0.28	-0.12	4.77e-05	0.0	-3.87e-06
1904	107	0.16	-0.11	-0.12	3.64e-05	0.0	-3.38e-06
1904	112	7.85	6.61	0.11	1.33e-04	0.0	-5.34e-04
1904	114	-5.93	-2.08	-0.43	-5.65e-04	0.0	4.17e-04
1904	139	-4.19	-9.36	-0.05	9.84e-04	0.0	3.30e-04
1904	144	8.83	7.45	0.14	1.45e-04	0.0	-6.01e-04
1904	146	-6.71	-2.33	-0.47	-6.41e-04	0.0	4.70e-04
1904	171	-4.75	-10.53	-0.04	1.10e-03	0.0	3.73e-04
1904	176	8.79	7.37	0.13	1.33e-04	0.0	-5.94e-04
1904	178	-6.67	-2.28	-0.47	-6.23e-04	0.0	4.62e-04
1904	203	-4.77	-10.50	-0.04	1.09e-03	0.0	3.75e-04
1904	208	10.27	8.63	0.17	1.45e-04	0.0	-6.94e-04
1904	210	-7.85	-2.65	-0.52	-7.29e-04	0.0	5.40e-04
1904	235	-5.68	-12.30	-0.03	1.27e-03	0.0	4.48e-04
1905	4	0.29	0.56	-0.19	2.05e-05	0.0	-2.08e-06
1905	44	0.25	-1.47	-0.16	1.46e-04	0.0	-8.57e-06
1905	52	0.29	-0.20	-0.18	7.06e-05	0.0	-5.44e-06
1905	68	0.20	0.36	-0.14	1.58e-05	0.0	-1.69e-06
1905	88	0.18	-0.98	-0.12	9.97e-05	0.0	-6.02e-06
1905	92	0.20	-0.14	-0.13	4.92e-05	0.0	-3.93e-06
1905	98	0.17	-0.12	-0.12	3.96e-05	0.0	-3.46e-06
1905	105	0.16	-0.28	-0.11	4.89e-05	0.0	-3.84e-06
1905	107	0.16	-0.11	-0.12	3.76e-05	0.0	-3.36e-06
1905	112	7.86	6.32	0.02	1.15e-04	0.0	-5.34e-04

1905	114	-5.93	-1.83	-0.30	-5.28e-04	0.0	4.17e-04
1905	139	-4.19	-9.23	-0.07	9.49e-04	0.0	3.30e-04
1905	144	8.83	7.13	0.04	1.25e-04	0.0	-6.01e-04
1905	146	-6.71	-2.04	-0.33	-5.99e-04	0.0	4.70e-04
1905	171	-4.75	-10.39	-0.07	1.06e-03	0.0	3.73e-04
1905	176	8.79	7.05	0.04	1.14e-04	0.0	-5.94e-04
1905	178	-6.67	-2.00	-0.32	-5.83e-04	0.0	4.63e-04
1905	203	-4.77	-10.35	-0.07	1.05e-03	0.0	3.75e-04
1905	208	10.27	8.26	0.06	1.23e-04	0.0	-6.94e-04
1905	210	-7.85	-2.32	-0.36	-6.82e-04	0.0	5.40e-04
1905	235	-5.68	-12.12	-0.06	1.22e-03	0.0	4.48e-04
1906	4	0.26	0.53	-0.16	-2.31e-05	0.0	5.01e-06
1906	44	0.22	-1.28	-0.14	1.93e-04	0.0	-5.80e-06
1906	68	0.18	0.35	-0.12	-1.34e-05	0.0	3.26e-06
1906	88	0.16	-0.86	-0.10	1.31e-04	0.0	-3.95e-06
1906	98	0.15	-0.08	-0.10	3.46e-05	0.0	0.0
1906	105	0.14	-0.23	-0.10	5.17e-05	0.0	0.0
1906	107	0.14	-0.08	-0.10	3.29e-05	0.0	0.0
1906	112	7.14	5.58	-0.03	-5.17e-04	0.0	-5.00e-04
1906	114	-5.41	-1.50	-0.19	8.77e-05	0.0	3.93e-04
1906	139	-3.80	-8.24	-0.08	9.54e-04	0.0	3.16e-04
1906	144	8.02	6.30	-0.02	-5.86e-04	0.0	-5.63e-04
1906	146	-6.12	-1.68	-0.20	9.47e-05	0.0	4.42e-04
1906	171	-4.31	-9.27	-0.07	1.07e-03	0.0	3.57e-04
1906	176	7.99	6.23	-0.03	-5.71e-04	0.0	-5.57e-04
1906	178	-6.09	-1.65	-0.20	8.55e-05	0.0	4.36e-04
1906	203	-4.33	-9.24	-0.07	1.06e-03	0.0	3.59e-04
1906	208	9.35	7.30	-0.01	-6.68e-04	0.0	-6.51e-04
1906	210	-7.17	-1.92	-0.22	9.08e-05	0.0	5.08e-04
1906	235	-5.16	-10.81	-0.07	1.23e-03	0.0	4.28e-04
1907	4	0.28	0.54	-0.17	-2.35e-05	0.0	1.58e-06
1907	44	0.24	-1.37	-0.15	1.93e-04	0.0	-7.08e-06
1907	68	0.20	0.36	-0.12	-1.37e-05	0.0	0.0
1907	88	0.17	-0.92	-0.11	1.31e-04	0.0	-4.91e-06
1907	98	0.16	-0.10	-0.11	3.45e-05	0.0	-1.71e-06
1907	105	0.15	-0.26	-0.10	5.16e-05	0.0	-2.30e-06
1907	107	0.15	-0.10	-0.11	3.28e-05	0.0	-1.68e-06
1907	112	7.52	5.82	-0.03	-4.73e-04	0.0	-5.17e-04
1907	114	-5.69	-1.54	-0.20	7.76e-05	0.0	4.05e-04
1907	139	-4.00	-8.69	-0.08	8.90e-04	0.0	3.23e-04
1907	144	8.45	6.56	-0.03	-5.36e-04	0.0	-5.82e-04
1907	146	-6.43	-1.72	-0.21	8.33e-05	0.0	4.56e-04
1907	171	-4.54	-9.77	-0.08	9.97e-04	0.0	3.64e-04
1907	176	8.41	6.49	-0.03	-5.22e-04	0.0	-5.75e-04
1907	178	-6.40	-1.69	-0.21	7.48e-05	0.0	4.49e-04
1907	203	-4.56	-9.74	-0.08	9.88e-04	0.0	3.67e-04
1907	208	9.84	7.60	-0.01	-6.11e-04	0.0	-6.72e-04
1907	210	-7.53	-1.96	-0.23	7.86e-05	0.0	5.24e-04
1907	235	-5.43	-11.40	-0.07	1.15e-03	0.0	4.38e-04
1908	4	0.29	0.55	-0.19	2.21e-05	0.0	-2.03e-06
1908	44	0.25	-1.47	-0.16	1.49e-04	0.0	-8.52e-06
1908	52	0.29	-0.21	-0.18	7.28e-05	0.0	-5.40e-06
1908	68	0.20	0.36	-0.14	1.70e-05	0.0	-1.66e-06
1908	88	0.18	-0.99	-0.12	1.01e-04	0.0	-5.98e-06
1908	92	0.20	-0.14	-0.13	5.08e-05	0.0	-3.91e-06
1908	98	0.17	-0.12	-0.12	4.10e-05	0.0	-3.44e-06
1908	105	0.16	-0.28	-0.11	5.04e-05	0.0	-3.81e-06
1908	107	0.16	-0.11	-0.12	3.90e-05	0.0	-3.34e-06
1908	112	7.86	6.03	-0.04	9.60e-05	0.0	-5.34e-04
1908	114	-5.93	-1.57	-0.22	-4.89e-04	0.0	4.17e-04
1908	139	-4.19	-9.11	-0.09	9.12e-04	0.0	3.30e-04
1908	144	8.83	6.81	-0.03	1.03e-04	0.0	-6.01e-04
1908	146	-6.71	-1.75	-0.23	-5.55e-04	0.0	4.70e-04
1908	171	-4.75	-10.25	-0.09	1.02e-03	0.0	3.73e-04
1908	176	8.79	6.73	-0.03	9.33e-05	0.0	-5.94e-04
1908	178	-6.67	-1.72	-0.23	-5.39e-04	0.0	4.63e-04
1908	203	-4.77	-10.21	-0.09	1.01e-03	0.0	3.75e-04
1908	208	10.28	7.88	-0.02	9.85e-05	0.0	-6.94e-04
1908	210	-7.85	-1.99	-0.25	-6.31e-04	0.0	5.40e-04
1908	235	-5.68	-11.94	-0.08	1.17e-03	0.0	4.48e-04
1909	4	0.26	0.53	-0.18	-1.95e-05	0.0	5.83e-06
1909	44	0.22	-1.28	-0.15	1.95e-04	0.0	-5.82e-06
1909	68	0.18	0.35	-0.13	-1.09e-05	0.0	3.82e-06
1909	88	0.16	-0.86	-0.11	1.32e-04	0.0	-3.95e-06
1909	98	0.15	-0.08	-0.11	3.63e-05	0.0	0.0

1909	105	0.14	-0.23	-0.11	5.32e-05	0.0	0.0
1909	107	0.14	-0.08	-0.11	3.45e-05	0.0	0.0
1909	112	7.13	5.31	-0.07	-4.96e-04	0.0	-4.98e-04
1909	114	-5.41	-1.26	-0.16	6.92e-05	0.0	3.92e-04
1909	139	-3.80	-8.11	-0.09	9.51e-04	0.0	3.15e-04
1909	144	8.02	5.99	-0.07	-5.62e-04	0.0	-5.61e-04
1909	146	-6.12	-1.41	-0.17	7.36e-05	0.0	4.42e-04
1909	171	-4.31	-9.13	-0.09	1.07e-03	0.0	3.56e-04
1909	176	7.99	5.93	-0.07	-5.48e-04	0.0	-5.55e-04
1909	178	-6.09	-1.39	-0.17	6.52e-05	0.0	4.35e-04
1909	203	-4.33	-9.09	-0.09	1.06e-03	0.0	3.59e-04
1909	208	9.34	6.94	-0.06	-6.42e-04	0.0	-6.50e-04
1909	210	-7.17	-1.61	-0.18	6.71e-05	0.0	5.08e-04
1909	235	-5.16	-10.63	-0.09	1.23e-03	0.0	4.27e-04
1910	4	0.28	0.54	-0.19	-1.95e-05	0.0	2.11e-06
1910	44	0.24	-1.38	-0.16	1.95e-04	0.0	-7.08e-06
1910	68	0.19	0.36	-0.13	-1.09e-05	0.0	1.23e-06
1910	88	0.17	-0.92	-0.12	1.32e-04	0.0	-4.89e-06
1910	98	0.16	-0.10	-0.12	3.63e-05	0.0	-1.56e-06
1910	105	0.15	-0.26	-0.11	5.32e-05	0.0	-2.19e-06
1910	107	0.15	-0.10	-0.11	3.45e-05	0.0	-1.54e-06
1910	112	7.52	5.54	-0.08	-4.56e-04	0.0	-5.16e-04
1910	114	-5.69	-1.29	-0.17	6.06e-05	0.0	4.05e-04
1910	139	-4.01	-8.56	-0.10	8.93e-04	0.0	3.23e-04
1910	144	8.45	6.25	-0.07	-5.18e-04	0.0	-5.82e-04
1910	146	-6.43	-1.44	-0.18	6.39e-05	0.0	4.56e-04
1910	171	-4.54	-9.63	-0.09	1.00e-03	0.0	3.65e-04
1910	176	8.41	6.18	-0.07	-5.04e-04	0.0	-5.75e-04
1910	178	-6.40	-1.41	-0.18	5.60e-05	0.0	4.49e-04
1910	203	-4.56	-9.59	-0.09	9.90e-04	0.0	3.67e-04
1910	208	9.84	7.24	-0.06	-5.91e-04	0.0	-6.72e-04
1910	210	-7.54	-1.64	-0.19	5.66e-05	0.0	5.24e-04
1910	235	-5.43	-11.21	-0.09	1.15e-03	0.0	4.38e-04
1911	4	0.29	0.55	-0.21	2.37e-05	0.0	-2.07e-06
1911	44	0.25	-1.48	-0.18	1.51e-04	0.0	-8.62e-06
1911	52	0.29	-0.21	-0.20	7.49e-05	0.0	-5.49e-06
1911	68	0.20	0.36	-0.15	1.82e-05	0.0	-1.69e-06
1911	88	0.18	-0.99	-0.13	1.03e-04	0.0	-6.06e-06
1911	92	0.20	-0.15	-0.15	5.23e-05	0.0	-3.97e-06
1911	98	0.17	-0.12	-0.13	4.24e-05	0.0	-3.49e-06
1911	105	0.16	-0.29	-0.12	5.18e-05	0.0	-3.86e-06
1911	107	0.16	-0.11	-0.12	4.04e-05	0.0	-3.39e-06
1911	112	7.86	5.75	-0.08	7.80e-05	0.0	-5.34e-04
1911	114	-5.93	-1.31	-0.18	-4.50e-04	0.0	4.17e-04
1911	139	-4.19	-8.99	-0.11	8.76e-04	0.0	3.30e-04
1911	144	8.83	6.49	-0.08	8.27e-05	0.0	-6.01e-04
1911	146	-6.71	-1.46	-0.19	-5.12e-04	0.0	4.70e-04
1911	171	-4.75	-10.11	-0.10	9.80e-04	0.0	3.73e-04
1911	176	8.79	6.41	-0.08	7.36e-05	0.0	-5.94e-04
1911	178	-6.67	-1.43	-0.19	-4.97e-04	0.0	4.63e-04
1911	203	-4.77	-10.06	-0.10	9.68e-04	0.0	3.75e-04
1911	208	10.28	7.51	-0.07	7.55e-05	0.0	-6.94e-04
1911	210	-7.85	-1.66	-0.20	-5.82e-04	0.0	5.40e-04
1911	235	-5.68	-11.76	-0.10	1.12e-03	0.0	4.48e-04
1912	4	0.25	0.54	-0.21	-1.56e-05	0.0	7.49e-06
1912	44	0.22	-1.28	-0.18	1.96e-04	0.0	-5.63e-06
1912	68	0.18	0.35	-0.15	-8.13e-06	0.0	4.95e-06
1912	88	0.15	-0.86	-0.13	1.33e-04	0.0	-3.80e-06
1912	98	0.15	-0.08	-0.13	3.81e-05	0.0	0.0
1912	105	0.14	-0.23	-0.12	5.47e-05	0.0	0.0
1912	107	0.14	-0.08	-0.12	3.63e-05	0.0	0.0
1912	112	7.13	5.04	-0.11	-4.75e-04	0.0	-4.97e-04
1912	114	-5.41	-1.02	-0.16	5.03e-05	0.0	3.92e-04
1912	139	-3.80	-7.99	-0.11	9.47e-04	0.0	3.16e-04
1912	144	8.02	5.69	-0.10	-5.39e-04	0.0	-5.61e-04
1912	146	-6.12	-1.14	-0.16	5.21e-05	0.0	4.42e-04
1912	171	-4.31	-8.98	-0.11	1.06e-03	0.0	3.56e-04
1912	176	7.98	5.63	-0.10	-5.25e-04	0.0	-5.54e-04
1912	178	-6.09	-1.12	-0.16	4.45e-05	0.0	4.35e-04
1912	203	-4.33	-8.94	-0.11	1.05e-03	0.0	3.59e-04
1912	208	9.34	6.59	-0.10	-6.15e-04	0.0	-6.49e-04
1912	210	-7.17	-1.30	-0.17	4.30e-05	0.0	5.08e-04
1912	235	-5.16	-10.45	-0.10	1.22e-03	0.0	4.28e-04
1913	4	0.27	0.54	-0.22	-1.50e-05	0.0	3.16e-06
1913	44	0.24	-1.38	-0.19	1.96e-04	0.0	-6.87e-06

1913	68	0.19	0.36	-0.16	-7.71e-06	0.0	1.94e-06
1913	88	0.17	-0.93	-0.14	1.33e-04	0.0	-4.74e-06
1913	98	0.16	-0.10	-0.14	3.83e-05	0.0	-1.21e-06
1913	105	0.15	-0.26	-0.13	5.49e-05	0.0	-1.90e-06
1913	107	0.15	-0.10	-0.13	3.64e-05	0.0	-1.21e-06
1913	112	7.52	5.26	-0.11	-4.39e-04	0.0	-5.16e-04
1913	114	-5.70	-1.04	-0.17	4.30e-05	0.0	4.05e-04
1913	139	-4.01	-8.44	-0.11	8.96e-04	0.0	3.23e-04
1913	144	8.46	5.94	-0.11	-4.99e-04	0.0	-5.81e-04
1913	146	-6.44	-1.16	-0.17	4.38e-05	0.0	4.56e-04
1913	171	-4.55	-9.49	-0.11	1.00e-03	0.0	3.65e-04
1913	176	8.42	5.87	-0.11	-4.86e-04	0.0	-5.74e-04
1913	178	-6.41	-1.13	-0.17	3.66e-05	0.0	4.49e-04
1913	203	-4.57	-9.44	-0.11	9.93e-04	0.0	3.68e-04
1913	208	9.85	6.87	-0.11	-5.69e-04	0.0	-6.72e-04
1913	210	-7.54	-1.31	-0.18	3.38e-05	0.0	5.24e-04
1913	235	-5.44	-11.04	-0.11	1.15e-03	0.0	4.39e-04
1914	4	0.29	0.55	-0.25	2.53e-05	0.0	-2.34e-06
1914	44	0.25	-1.48	-0.21	1.54e-04	0.0	-8.72e-06
1914	52	0.29	-0.21	-0.24	7.72e-05	0.0	-5.72e-06
1914	68	0.20	0.36	-0.18	1.94e-05	0.0	-1.87e-06
1914	88	0.18	-0.99	-0.15	1.05e-04	0.0	-6.13e-06
1914	92	0.20	-0.15	-0.17	5.40e-05	0.0	-4.13e-06
1914	98	0.17	-0.12	-0.15	4.40e-05	0.0	-3.62e-06
1914	105	0.16	-0.29	-0.14	5.33e-05	0.0	-3.98e-06
1914	107	0.16	-0.12	-0.15	4.19e-05	0.0	-3.51e-06
1914	112	7.86	5.46	-0.12	6.11e-05	0.0	-5.34e-04
1914	114	-5.93	-1.05	-0.18	-4.12e-04	0.0	4.17e-04
1914	139	-4.19	-8.86	-0.13	8.39e-04	0.0	3.30e-04
1914	144	8.83	6.17	-0.12	6.35e-05	0.0	-6.02e-04
1914	146	-6.71	-1.17	-0.18	-4.69e-04	0.0	4.70e-04
1914	171	-4.75	-9.97	-0.12	9.38e-04	0.0	3.73e-04
1914	176	8.79	6.10	-0.12	5.51e-05	0.0	-5.94e-04
1914	178	-6.67	-1.15	-0.18	-4.55e-04	0.0	4.63e-04
1914	203	-4.77	-9.91	-0.12	9.27e-04	0.0	3.75e-04
1914	208	10.28	7.14	-0.12	5.37e-05	0.0	-6.95e-04
1914	210	-7.85	-1.32	-0.19	-5.34e-04	0.0	5.40e-04
1914	235	-5.67	-11.59	-0.12	1.07e-03	0.0	4.48e-04
1915	4	0.25	0.54	-0.27	-1.11e-05	0.0	1.04e-05
1915	44	0.22	-1.29	-0.23	1.97e-04	0.0	-4.95e-06
1915	68	0.18	0.36	-0.19	-5.01e-06	0.0	6.95e-06
1915	88	0.15	-0.86	-0.16	1.34e-04	0.0	-3.30e-06
1915	98	0.15	-0.08	-0.16	4.01e-05	0.0	1.71e-06
1915	105	0.14	-0.23	-0.15	5.63e-05	0.0	0.0
1915	107	0.14	-0.08	-0.15	3.81e-05	0.0	1.56e-06
1915	112	7.13	4.77	-0.15	-4.54e-04	0.0	-4.97e-04
1915	134	0.65	6.01	-0.19	-7.20e-04	0.0	-4.22e-05
1915	139	-3.81	-7.86	-0.13	9.46e-04	0.0	3.17e-04
1915	144	8.02	5.39	-0.15	-5.15e-04	0.0	-5.61e-04
1915	166	0.72	6.77	-0.19	-8.15e-04	0.0	-4.83e-05
1915	171	-4.31	-8.84	-0.13	1.06e-03	0.0	3.58e-04
1915	176	7.98	5.33	-0.15	-5.02e-04	0.0	-5.55e-04
1915	198	0.72	6.72	-0.19	-8.08e-04	0.0	-5.06e-05
1915	203	-4.34	-8.79	-0.13	1.05e-03	0.0	3.61e-04
1915	208	9.34	6.24	-0.15	-5.89e-04	0.0	-6.49e-04
1915	230	0.82	7.85	-0.20	-9.48e-04	0.0	-6.27e-05
1915	235	-5.16	-10.27	-0.12	1.22e-03	0.0	4.30e-04
1916	4	0.27	0.55	-0.29	-9.28e-06	0.0	5.49e-06
1916	44	0.24	-1.39	-0.24	1.98e-04	0.0	-6.01e-06
1916	68	0.19	0.36	-0.20	-3.79e-06	0.0	3.54e-06
1916	88	0.17	-0.93	-0.17	1.34e-04	0.0	-4.12e-06
1916	98	0.16	-0.10	-0.17	4.06e-05	0.0	0.0
1916	105	0.15	-0.26	-0.16	5.68e-05	0.0	-1.08e-06
1916	107	0.15	-0.10	-0.16	3.87e-05	0.0	0.0
1916	112	7.53	4.98	-0.16	2.54e-05	0.0	-5.16e-04
1916	134	0.71	6.35	-0.20	-8.19e-04	0.0	-4.31e-05
1916	139	-4.02	-8.31	-0.14	9.00e-04	0.0	3.24e-04
1916	144	8.46	5.62	-0.16	2.38e-05	0.0	-5.81e-04
1916	166	0.78	7.16	-0.20	-9.26e-04	0.0	-4.90e-05
1916	171	-4.55	-9.34	-0.14	1.01e-03	0.0	3.66e-04
1916	176	8.42	5.56	-0.16	1.72e-05	0.0	-5.74e-04
1916	198	0.77	7.10	-0.20	-9.13e-04	0.0	-5.11e-05
1916	203	-4.57	-9.29	-0.14	9.97e-04	0.0	3.69e-04
1916	208	9.85	6.51	-0.16	1.10e-05	0.0	-6.72e-04
1916	230	0.88	8.30	-0.21	-1.07e-03	0.0	-6.29e-05

1916	235	-5.44	-10.86	-0.13	1.16e-03	0.0	4.40e-04
1917	4	0.29	0.55	-0.32	2.81e-05	0.0	-3.18e-06
1917	44	0.25	-1.49	-0.26	1.58e-04	0.0	-9.05e-06
1917	52	0.29	-0.22	-0.31	8.10e-05	0.0	-6.43e-06
1917	68	0.20	0.36	-0.22	2.15e-05	0.0	-2.45e-06
1917	88	0.18	-1.00	-0.19	1.08e-04	0.0	-6.37e-06
1917	92	0.20	-0.15	-0.22	5.68e-05	0.0	-4.62e-06
1917	98	0.17	-0.12	-0.19	4.64e-05	0.0	-4.02e-06
1917	105	0.16	-0.29	-0.18	5.57e-05	0.0	-4.32e-06
1917	107	0.16	-0.12	-0.18	4.42e-05	0.0	-3.89e-06
1917	112	7.86	5.18	-0.17	4.63e-05	0.0	-5.35e-04
1917	134	0.76	6.68	-0.22	-7.08e-04	0.0	-4.58e-05
1917	139	-4.19	-8.74	-0.15	7.98e-04	0.0	3.30e-04
1917	144	8.83	5.85	-0.17	4.65e-05	0.0	-6.02e-04
1917	166	0.83	7.54	-0.22	-8.02e-04	0.0	-5.16e-05
1917	171	-4.75	-9.83	-0.15	8.92e-04	0.0	3.73e-04
1917	176	8.79	5.78	-0.17	3.88e-05	0.0	-5.95e-04
1917	198	0.83	7.48	-0.22	-7.90e-04	0.0	-5.34e-05
1917	203	-4.77	-9.77	-0.15	8.81e-04	0.0	3.75e-04
1917	208	10.28	6.77	-0.17	3.44e-05	0.0	-6.95e-04
1917	230	0.94	8.74	-0.23	-9.26e-04	0.0	-6.49e-05
1917	235	-5.67	-11.41	-0.15	1.02e-03	0.0	4.48e-04
1918	4	0.25	0.55	-0.37	-6.60e-06	0.0	1.45e-05
1918	44	0.22	-1.29	-0.30	1.98e-04	0.0	-3.65e-06
1918	68	0.18	0.36	-0.26	-1.92e-06	0.0	9.74e-06
1918	88	0.15	-0.86	-0.22	1.35e-04	0.0	-2.36e-06
1918	98	0.15	-0.08	-0.21	4.18e-05	0.0	3.33e-06
1918	105	0.14	-0.23	-0.20	5.78e-05	0.0	1.90e-06
1918	107	0.14	-0.08	-0.20	3.98e-05	0.0	3.09e-06
1918	112	7.13	4.51	-0.20	-4.34e-04	0.0	-4.98e-04
1918	134	0.66	6.04	-0.25	-7.29e-04	0.0	-3.96e-05
1918	139	-3.81	-7.73	-0.16	9.46e-04	0.0	3.19e-04
1918	144	8.01	5.08	-0.20	-4.94e-04	0.0	-5.61e-04
1918	166	0.72	6.81	-0.26	-8.26e-04	0.0	-4.55e-05
1918	171	-4.31	-8.69	-0.16	1.06e-03	0.0	3.60e-04
1918	176	7.98	5.03	-0.20	-4.82e-04	0.0	-5.55e-04
1918	198	0.72	6.75	-0.25	-8.18e-04	0.0	-4.79e-05
1918	203	-4.34	-8.64	-0.16	1.05e-03	0.0	3.63e-04
1918	208	9.34	5.89	-0.21	-5.65e-04	0.0	-6.51e-04
1918	230	0.82	7.88	-0.26	-9.60e-04	0.0	-5.97e-05
1918	235	-5.16	-10.09	-0.15	1.22e-03	0.0	4.32e-04
1919	4	0.27	0.55	-0.39	-1.77e-06	0.0	1.05e-05
1919	44	0.23	-1.39	-0.32	1.99e-04	0.0	-3.62e-06
1919	52	0.27	-0.18	-0.38	7.55e-05	0.0	4.22e-06
1919	68	0.19	0.36	-0.27	1.39e-06	0.0	6.99e-06
1919	88	0.17	-0.93	-0.23	1.35e-04	0.0	-2.43e-06
1919	92	0.19	-0.13	-0.27	5.29e-05	0.0	2.80e-06
1919	98	0.16	-0.10	-0.23	4.36e-05	0.0	2.05e-06
1919	105	0.15	-0.26	-0.21	5.92e-05	0.0	0.0
1919	107	0.15	-0.10	-0.22	4.15e-05	0.0	1.86e-06
1919	112	7.54	4.70	-0.22	8.71e-06	0.0	-5.14e-04
1919	134	0.71	6.39	-0.26	-8.21e-04	0.0	-3.99e-05
1919	139	-4.03	-8.18	-0.17	9.07e-04	0.0	3.26e-04
1919	144	8.47	5.31	-0.22	4.65e-06	0.0	-5.79e-04
1919	166	0.78	7.20	-0.27	-9.29e-04	0.0	-4.56e-05
1919	171	-4.56	-9.20	-0.17	1.02e-03	0.0	3.68e-04
1919	176	8.43	5.25	-0.22	-1.17e-06	0.0	-5.72e-04
1919	198	0.78	7.14	-0.27	-9.16e-04	0.0	-4.77e-05
1919	203	-4.58	-9.14	-0.17	1.00e-03	0.0	3.71e-04
1919	208	9.86	6.15	-0.22	-1.07e-05	0.0	-6.70e-04
1919	230	0.88	8.34	-0.28	-1.07e-03	0.0	-5.92e-05
1919	235	-5.45	-10.68	-0.16	1.16e-03	0.0	4.41e-04
1920	4	0.29	0.55	-0.43	3.45e-05	0.0	-5.11e-06
1920	44	0.25	-1.49	-0.35	1.65e-04	0.0	-1.01e-05
1920	52	0.29	-0.22	-0.42	8.86e-05	0.0	-8.15e-06
1920	68	0.20	0.36	-0.30	2.61e-05	0.0	-3.79e-06
1920	88	0.18	-1.00	-0.25	1.13e-04	0.0	-7.15e-06
1920	92	0.20	-0.15	-0.30	6.22e-05	0.0	-5.81e-06
1920	98	0.17	-0.13	-0.25	5.09e-05	0.0	-4.98e-06
1920	105	0.16	-0.29	-0.24	6.02e-05	0.0	-5.17e-06
1920	107	0.16	-0.12	-0.24	4.85e-05	0.0	-4.80e-06
1920	112	7.86	4.89	-0.24	3.48e-05	0.0	-5.36e-04
1920	134	0.76	6.73	-0.29	-6.53e-04	0.0	-4.70e-05
1920	139	-4.19	-8.62	-0.19	7.52e-04	0.0	3.29e-04
1920	144	8.83	5.52	-0.24	3.31e-05	0.0	-6.03e-04

1920	166	0.83	7.59	-0.30	-7.41e-04	0.0	-5.28e-05
1920	171	-4.75	-9.69	-0.19	8.39e-04	0.0	3.72e-04
1920	176	8.79	5.46	-0.24	2.60e-05	0.0	-5.96e-04
1920	198	0.83	7.52	-0.30	-7.29e-04	0.0	-5.46e-05
1920	203	-4.77	-9.63	-0.19	8.29e-04	0.0	3.75e-04
1920	208	10.28	6.39	-0.24	1.88e-05	0.0	-6.96e-04
1920	230	0.94	8.78	-0.30	-8.57e-04	0.0	-6.62e-05
1920	235	-5.67	-11.24	-0.18	9.58e-04	0.0	4.48e-04
1921	4	0.25	0.56	-0.52	-4.54e-06	0.0	1.73e-05
1921	44	0.21	-1.29	-0.42	1.97e-04	0.0	-2.68e-06
1921	68	0.17	0.37	-0.36	0.0	0.0	1.16e-05
1921	88	0.15	-0.87	-0.30	1.34e-04	0.0	-1.67e-06
1921	98	0.14	-0.08	-0.29	4.22e-05	0.0	4.45e-06
1921	105	0.14	-0.23	-0.28	5.80e-05	0.0	2.84e-06
1921	107	0.14	-0.08	-0.28	4.02e-05	0.0	4.13e-06
1921	112	7.13	4.24	-0.29	-4.20e-04	0.0	-5.00e-04
1921	134	0.66	6.07	-0.36	-7.44e-04	0.0	-3.56e-05
1921	139	-3.81	-7.60	-0.21	9.51e-04	0.0	3.20e-04
1921	144	8.01	4.78	-0.29	-4.78e-04	0.0	-5.64e-04
1921	166	0.72	6.85	-0.37	-8.42e-04	0.0	-4.11e-05
1921	171	-4.31	-8.55	-0.20	1.06e-03	0.0	3.61e-04
1921	176	7.98	4.73	-0.29	-4.66e-04	0.0	-5.59e-04
1921	198	0.72	6.78	-0.37	-8.34e-04	0.0	-4.33e-05
1921	203	-4.34	-8.49	-0.20	1.05e-03	0.0	3.64e-04
1921	208	9.34	5.53	-0.29	-5.48e-04	0.0	-6.55e-04
1921	230	0.82	7.91	-0.38	-9.78e-04	0.0	-5.45e-05
1921	235	-5.17	-9.92	-0.19	1.22e-03	0.0	4.33e-04
1922	4	0.27	0.56	-0.55	7.64e-06	0.0	2.02e-05
1922	44	0.23	-1.39	-0.45	2.01e-04	0.0	1.84e-06
1922	52	0.27	-0.18	-0.54	8.19e-05	0.0	1.28e-05
1922	68	0.19	0.37	-0.39	7.87e-06	0.0	1.37e-05
1922	88	0.17	-0.93	-0.32	1.37e-04	0.0	1.43e-06
1922	92	0.19	-0.12	-0.38	5.74e-05	0.0	8.76e-06
1922	98	0.16	-0.10	-0.31	4.72e-05	0.0	6.84e-06
1922	105	0.15	-0.26	-0.29	6.22e-05	0.0	5.19e-06
1922	107	0.15	-0.10	-0.30	4.49e-05	0.0	6.37e-06
1922	112	7.55	4.43	-0.30	-3.89e-04	0.0	-5.07e-04
1922	134	0.71	6.43	-0.38	-7.05e-04	0.0	-3.09e-05
1922	139	-4.03	-8.06	-0.23	9.12e-04	0.0	3.26e-04
1922	144	8.48	5.00	-0.31	-4.43e-04	0.0	-5.72e-04
1922	166	0.78	7.25	-0.39	-7.99e-04	0.0	-3.60e-05
1922	171	-4.57	-9.06	-0.22	1.02e-03	0.0	3.67e-04
1922	176	8.45	4.94	-0.31	-4.32e-04	0.0	-5.66e-04
1922	198	0.78	7.18	-0.39	-7.90e-04	0.0	-3.75e-05
1922	203	-4.59	-9.00	-0.22	1.01e-03	0.0	3.69e-04
1922	208	9.88	5.79	-0.31	-5.08e-04	0.0	-6.63e-04
1922	230	0.89	8.38	-0.40	-9.29e-04	0.0	-4.77e-05
1922	235	-5.46	-10.50	-0.21	1.17e-03	0.0	4.39e-04
1923	4	0.29	0.55	-0.61	5.15e-05	0.0	-8.27e-06
1923	44	0.25	-1.49	-0.49	1.80e-04	0.0	-1.20e-05
1923	52	0.29	-0.22	-0.59	1.06e-04	0.0	-1.10e-05
1923	68	0.20	0.36	-0.42	3.79e-05	0.0	-5.97e-06
1923	88	0.18	-1.00	-0.35	1.24e-04	0.0	-8.43e-06
1923	92	0.20	-0.16	-0.41	7.44e-05	0.0	-7.76e-06
1923	98	0.17	-0.13	-0.34	6.10e-05	0.0	-6.55e-06
1923	105	0.16	-0.29	-0.32	6.97e-05	0.0	-6.58e-06
1923	107	0.16	-0.12	-0.33	5.81e-05	0.0	-6.28e-06
1923	112	7.86	4.61	-0.34	3.13e-05	0.0	-5.38e-04
1923	134	0.76	6.77	-0.41	-5.75e-04	0.0	-4.89e-05
1923	139	-4.19	-8.50	-0.26	6.92e-04	0.0	3.28e-04
1923	144	8.83	5.20	-0.34	2.80e-05	0.0	-6.05e-04
1923	166	0.83	7.63	-0.42	-6.54e-04	0.0	-5.47e-05
1923	171	-4.75	-9.56	-0.25	7.71e-04	0.0	3.71e-04
1923	176	8.79	5.14	-0.34	2.18e-05	0.0	-5.98e-04
1923	198	0.83	7.56	-0.42	-6.43e-04	0.0	-5.66e-05
1923	203	-4.77	-9.49	-0.25	7.61e-04	0.0	3.74e-04
1923	208	10.28	6.02	-0.34	1.27e-05	0.0	-6.98e-04
1923	230	0.94	8.83	-0.43	-7.57e-04	0.0	-6.83e-05
1923	235	-5.67	-11.07	-0.23	8.77e-04	0.0	4.47e-04
1924	4	0.25	0.57	-0.76	-1.10e-05	0.0	1.02e-05
1924	44	0.21	-1.29	-0.62	1.91e-04	0.0	-6.02e-06
1924	68	0.18	0.38	-0.53	-4.94e-06	0.0	6.78e-06
1924	88	0.15	-0.87	-0.43	1.30e-04	0.0	-4.07e-06
1924	98	0.15	-0.08	-0.43	3.82e-05	0.0	1.11e-06
1924	105	0.14	-0.23	-0.40	5.42e-05	0.0	0.0

1924	107	0.14	-0.07	-0.41	3.64e-05	0.0	0.0
1924	112	7.13	3.97	-0.42	-4.21e-04	0.0	-5.17e-04
1924	134	0.66	6.12	-0.55	-7.80e-04	0.0	-4.21e-05
1924	139	-3.81	-7.49	-0.28	9.72e-04	0.0	3.27e-04
1924	144	8.01	4.48	-0.42	-4.79e-04	0.0	-5.83e-04
1924	166	0.72	6.90	-0.57	-8.83e-04	0.0	-4.81e-05
1924	171	-4.31	-8.42	-0.27	1.09e-03	0.0	3.70e-04
1924	176	7.98	4.43	-0.42	-4.68e-04	0.0	-5.78e-04
1924	198	0.72	6.83	-0.56	-8.73e-04	0.0	-5.10e-05
1924	203	-4.34	-8.35	-0.27	1.08e-03	0.0	3.74e-04
1924	208	9.33	5.18	-0.42	-5.49e-04	0.0	-6.77e-04
1924	230	0.82	7.97	-0.59	-1.02e-03	0.0	-6.33e-05
1924	235	-5.16	-9.75	-0.24	1.25e-03	0.0	4.47e-04
1925	4	0.27	0.57	-0.84	1.69e-05	0.0	3.36e-05
1925	44	0.24	-1.39	-0.68	2.03e-04	0.0	1.07e-05
1925	52	0.27	-0.16	-0.82	8.78e-05	0.0	2.54e-05
1925	68	0.19	0.38	-0.59	1.42e-05	0.0	2.29e-05
1925	88	0.17	-0.93	-0.48	1.38e-04	0.0	7.68e-06
1925	92	0.19	-0.12	-0.57	6.15e-05	0.0	1.75e-05
1925	98	0.16	-0.09	-0.47	5.06e-05	0.0	1.39e-05
1925	105	0.15	-0.26	-0.44	6.49e-05	0.0	1.15e-05
1925	107	0.15	-0.09	-0.45	4.81e-05	0.0	1.30e-05
1925	112	7.57	4.17	-0.45	-3.70e-04	0.0	-4.98e-04
1925	134	0.72	6.49	-0.61	-7.05e-04	0.0	-2.23e-05
1925	139	-4.04	-7.95	-0.30	9.09e-04	0.0	3.29e-04
1925	144	8.51	4.70	-0.45	-4.23e-04	0.0	-5.63e-04
1925	166	0.79	7.32	-0.63	-7.99e-04	0.0	-2.70e-05
1925	171	-4.58	-8.94	-0.29	1.02e-03	0.0	3.70e-04
1925	176	8.47	4.65	-0.45	-4.13e-04	0.0	-5.57e-04
1925	198	0.78	7.24	-0.63	-7.90e-04	0.0	-2.64e-05
1925	203	-4.60	-8.87	-0.29	1.01e-03	0.0	3.71e-04
1925	208	9.90	5.44	-0.46	-4.87e-04	0.0	-6.54e-04
1925	230	0.89	8.45	-0.66	-9.29e-04	0.0	-3.47e-05
1925	235	-5.48	-10.34	-0.26	1.16e-03	0.0	4.39e-04
1926	4	0.29	0.55	-0.94	9.99e-05	0.0	-8.77e-06
1926	44	0.25	-1.50	-0.75	2.17e-04	0.0	-1.13e-05
1926	52	0.29	-0.22	-0.91	1.53e-04	0.0	-1.11e-05
1926	68	0.20	0.36	-0.65	7.16e-05	0.0	-6.31e-06
1926	88	0.18	-1.01	-0.53	1.50e-04	0.0	-8.02e-06
1926	92	0.21	-0.16	-0.64	1.07e-04	0.0	-7.84e-06
1926	98	0.17	-0.13	-0.52	8.72e-05	0.0	-6.61e-06
1926	105	0.16	-0.30	-0.49	9.41e-05	0.0	-6.54e-06
1926	107	0.16	-0.12	-0.50	8.29e-05	0.0	-6.35e-06
1926	112	7.86	4.32	-0.49	4.16e-05	0.0	-5.39e-04
1926	134	0.76	6.82	-0.68	-4.91e-04	0.0	-5.02e-05
1926	139	-4.19	-8.38	-0.34	6.58e-04	0.0	3.30e-04
1926	144	8.83	4.88	-0.49	3.64e-05	0.0	-6.07e-04
1926	166	0.83	7.68	-0.71	-5.63e-04	0.0	-5.62e-05
1926	171	-4.75	-9.42	-0.32	7.30e-04	0.0	3.74e-04
1926	176	8.79	4.83	-0.50	3.16e-05	0.0	-5.99e-04
1926	198	0.83	7.61	-0.70	-5.53e-04	0.0	-5.83e-05
1926	203	-4.77	-9.35	-0.32	7.21e-04	0.0	3.76e-04
1926	208	10.27	5.65	-0.50	2.06e-05	0.0	-7.00e-04
1926	230	0.94	8.88	-0.74	-6.57e-04	0.0	-7.03e-05
1926	235	-5.67	-10.90	-0.29	8.26e-04	0.0	4.50e-04
1927	4	0.25	0.57	-0.93	-2.91e-05	3.75e-05	-6.49e-06
1927	44	0.21	-1.30	-0.74	1.78e-04	3.73e-05	-1.21e-05
1927	68	0.17	0.38	-0.65	-1.75e-05	2.68e-05	-4.72e-06
1927	88	0.15	-0.87	-0.52	1.21e-04	2.67e-05	-8.48e-06
1927	98	0.14	-0.08	-0.52	2.83e-05	2.36e-05	-6.07e-06
1927	105	0.14	-0.23	-0.49	4.52e-05	2.30e-05	-6.20e-06
1927	107	0.14	-0.07	-0.49	2.71e-05	2.27e-05	-5.80e-06
1927	112	7.12	3.68	-0.64	-4.50e-04	6.96e-04	-5.28e-04
1927	124	-0.36	6.74	-0.71	-8.91e-04	-5.14e-05	3.04e-05
1927	139	-3.81	-7.34	-0.30	1.03e-03	1.70e-04	3.21e-04
1927	144	8.00	4.15	-0.66	-5.10e-04	7.81e-04	-5.94e-04
1927	156	-0.42	7.59	-0.74	-1.01e-03	-6.03e-05	3.55e-05
1927	171	-4.31	-8.26	-0.28	1.16e-03	1.88e-04	3.64e-04
1927	176	7.97	4.10	-0.66	-4.99e-04	7.70e-04	-5.89e-04
1927	188	-0.41	7.45	-0.74	-9.85e-04	-5.81e-05	3.80e-05
1927	203	-4.34	-8.18	-0.28	1.15e-03	1.83e-04	3.69e-04
1927	208	9.32	4.80	-0.69	-5.85e-04	8.95e-04	-6.90e-04
1927	220	-0.50	8.66	-0.78	-1.15e-03	-7.07e-05	4.86e-05
1927	235	-5.16	-9.54	-0.25	1.33e-03	2.03e-04	4.42e-04
1928	4	0.24	0.64	-0.98	1.42e-05	4.34e-05	9.51e-06

1928	44	0.21	-1.35	-0.78	1.97e-04	4.17e-05	2.49e-06
1928	52	0.24	-0.11	-0.95	8.31e-05	4.46e-05	6.31e-06
1928	68	0.17	0.42	-0.68	1.23e-05	3.08e-05	6.35e-06
1928	88	0.15	-0.91	-0.55	1.34e-04	2.96e-05	1.67e-06
1928	92	0.17	-0.08	-0.66	5.83e-05	3.16e-05	4.21e-06
1928	98	0.14	-0.06	-0.54	4.80e-05	2.66e-05	3.14e-06
1928	105	0.13	-0.23	-0.51	6.23e-05	2.57e-05	2.52e-06
1928	107	0.13	-0.06	-0.52	4.57e-05	2.55e-05	2.86e-06
1928	112	7.58	3.95	-0.67	-3.68e-04	5.88e-04	-5.47e-04
1928	124	-0.39	7.27	-0.75	-7.52e-04	4.77e-04	3.97e-05
1928	139	-4.08	-7.89	-0.32	9.15e-04	1.45e-04	3.43e-04
1928	144	8.52	4.46	-0.69	-4.20e-04	6.59e-04	-6.17e-04
1928	156	-0.46	8.18	-0.78	-8.51e-04	5.34e-04	4.49e-05
1928	171	-4.62	-8.87	-0.30	1.02e-03	1.60e-04	3.88e-04
1928	176	8.48	4.40	-0.69	-4.11e-04	6.49e-04	-6.13e-04
1928	188	-0.45	8.03	-0.77	-8.33e-04	5.25e-04	4.78e-05
1928	203	-4.64	-8.79	-0.30	1.01e-03	1.55e-04	3.93e-04
1928	208	9.92	5.15	-0.72	-4.86e-04	7.54e-04	-7.19e-04
1928	220	-0.55	9.32	-0.81	-9.74e-04	6.08e-04	5.89e-05
1928	235	-5.52	-10.26	-0.26	1.17e-03	1.72e-04	4.70e-04
1929	4	0.29	0.54	-1.06	2.81e-04	1.33e-04	-5.79e-06
1929	44	0.25	-1.50	-0.85	3.43e-04	1.08e-04	-6.23e-06
1929	52	0.29	-0.23	-1.03	3.21e-04	1.31e-04	-6.93e-06
1929	68	0.20	0.35	-0.74	1.97e-04	9.25e-05	-4.21e-06
1929	88	0.18	-1.01	-0.60	2.38e-04	7.60e-05	-4.51e-06
1929	92	0.21	-0.16	-0.72	2.23e-04	9.08e-05	-4.98e-06
1929	98	0.17	-0.13	-0.59	1.81e-04	7.39e-05	-4.25e-06
1929	105	0.16	-0.30	-0.56	1.80e-04	6.93e-05	-4.11e-06
1929	107	0.16	-0.13	-0.56	1.71e-04	6.98e-05	-4.12e-06
1929	112	7.85	4.04	-0.73	-2.11e-05	4.09e-04	-5.48e-04
1929	124	-0.39	7.49	-0.80	-2.02e-04	3.04e-04	4.24e-05
1929	139	-4.19	-8.26	-0.37	5.68e-04	-1.11e-04	3.42e-04
1929	144	8.83	4.56	-0.75	-4.52e-05	4.52e-04	-6.17e-04
1929	156	-0.46	8.44	-0.83	-2.49e-04	3.34e-04	4.88e-05
1929	171	-4.75	-9.29	-0.34	6.18e-04	-1.34e-04	3.87e-04
1929	176	8.78	4.51	-0.75	-4.21e-05	4.46e-04	-6.09e-04
1929	188	-0.46	8.28	-0.82	-2.41e-04	3.30e-04	5.11e-05
1929	203	-4.77	-9.21	-0.34	6.13e-04	-1.32e-04	3.90e-04
1929	208	10.27	5.28	-0.78	-7.76e-05	5.09e-04	-7.11e-04
1929	220	-0.56	9.63	-0.87	-3.07e-04	3.72e-04	6.38e-05
1929	235	-5.67	-10.73	-0.30	6.86e-04	-1.68e-04	4.65e-04
1930	4	0.29	0.50	-0.42	-5.28e-05	0.0	2.80e-05
1930	44	0.25	-1.28	-0.33	1.75e-04	0.0	1.25e-05
1930	68	0.21	0.33	-0.29	-3.40e-05	0.0	1.91e-05
1930	88	0.17	-0.86	-0.23	1.18e-04	0.0	8.84e-06
1930	98	0.17	-0.09	-0.24	1.86e-05	0.0	1.34e-05
1930	105	0.16	-0.24	-0.23	3.73e-05	0.0	1.14e-05
1930	107	0.16	-0.09	-0.23	1.78e-05	0.0	1.25e-05
1930	112	7.15	6.42	-0.21	-6.30e-04	0.0	-3.05e-04
1930	134	0.67	5.75	-0.37	-6.98e-04	0.0	2.71e-04
1930	139	-3.78	-8.59	-0.12	9.81e-04	0.0	-2.35e-05
1930	144	8.04	7.25	-0.21	-7.11e-04	0.0	-3.45e-04
1930	166	0.73	6.48	-0.39	-7.87e-04	0.0	3.04e-04
1930	171	-4.28	-9.67	-0.11	1.10e-03	0.0	-2.76e-05
1930	176	8.00	7.17	-0.21	-6.96e-04	0.0	-3.40e-04
1930	198	0.73	6.46	-0.39	-7.83e-04	0.0	2.97e-04
1930	203	-4.31	-9.65	-0.11	1.10e-03	0.0	-2.07e-05
1930	208	9.36	8.40	-0.21	-8.12e-04	0.0	-3.99e-04
1930	230	0.83	7.56	-0.41	-9.18e-04	0.0	3.44e-04
1930	235	-5.13	-11.32	-0.09	1.28e-03	0.0	-2.19e-05
1931	4	0.30	0.48	-0.41	-5.21e-05	0.0	3.33e-05
1931	44	0.24	-1.19	-0.32	1.75e-04	0.0	1.66e-05
1931	68	0.21	0.31	-0.29	-3.35e-05	0.0	2.28e-05
1931	88	0.17	-0.80	-0.23	1.18e-04	0.0	1.17e-05
1931	98	0.17	-0.08	-0.24	1.90e-05	0.0	1.65e-05
1931	105	0.16	-0.22	-0.23	3.76e-05	0.0	1.43e-05
1931	107	0.16	-0.08	-0.23	1.82e-05	0.0	1.54e-05
1931	109	6.83	2.39	-0.14	-1.71e-04	0.0	-3.69e-04
1931	134	0.63	5.40	-0.38	-6.99e-04	0.0	2.67e-04
1931	139	-3.59	-8.10	-0.12	9.84e-04	0.0	-3.95e-05
1931	141	7.68	2.71	-0.13	-1.95e-04	0.0	-4.18e-04
1931	166	0.69	6.09	-0.40	-7.89e-04	0.0	2.98e-04
1931	171	-4.07	-9.12	-0.10	1.11e-03	0.0	-4.58e-05
1931	173	7.65	2.70	-0.14	-1.88e-04	0.0	-4.12e-04
1931	198	0.69	6.07	-0.39	-7.85e-04	0.0	2.90e-04

1931	203	-4.10	-9.11	-0.10	1.10e-03	0.0	-3.76e-05
1931	205	8.95	3.19	-0.13	-2.22e-04	0.0	-4.84e-04
1931	230	0.78	7.11	-0.42	-9.20e-04	0.0	3.34e-04
1931	235	-4.89	-10.68	-0.08	1.28e-03	0.0	-4.13e-05
1932	4	0.31	0.53	-0.42	-5.54e-05	0.0	1.66e-05
1932	44	0.26	-1.37	-0.33	1.73e-04	0.0	3.75e-06
1932	68	0.22	0.35	-0.30	-3.58e-05	0.0	1.13e-05
1932	88	0.19	-0.92	-0.24	1.17e-04	0.0	2.68e-06
1932	98	0.18	-0.10	-0.24	1.73e-05	0.0	6.79e-06
1932	105	0.17	-0.26	-0.23	3.61e-05	0.0	5.39e-06
1932	107	0.17	-0.10	-0.23	1.65e-05	0.0	6.30e-06
1932	112	7.54	6.73	-0.21	-6.25e-04	0.0	-4.54e-04
1932	134	0.71	6.09	-0.37	-6.92e-04	0.0	-2.85e-05
1932	139	-3.98	-9.08	-0.12	9.71e-04	0.0	2.95e-04
1932	144	8.47	7.60	-0.21	-7.06e-04	0.0	-5.13e-04
1932	166	0.78	6.87	-0.39	-7.81e-04	0.0	-3.31e-05
1932	171	-4.52	-10.21	-0.11	1.09e-03	0.0	3.32e-04
1932	176	8.44	7.52	-0.21	-6.91e-04	0.0	-5.05e-04
1932	198	0.78	6.85	-0.39	-7.76e-04	0.0	-3.22e-05
1932	203	-4.54	-10.19	-0.11	1.08e-03	0.0	3.31e-04
1932	208	9.86	8.80	-0.21	-8.06e-04	0.0	-5.91e-04
1932	230	0.88	8.02	-0.41	-9.10e-04	0.0	-4.00e-05
1932	235	-5.41	-11.95	-0.09	1.27e-03	0.0	3.92e-04
1933	4	0.29	0.56	-0.42	-5.75e-05	0.0	0.0
1933	44	0.25	-1.45	-0.33	1.72e-04	0.0	-7.30e-06
1933	52	0.29	-0.20	-0.40	2.78e-05	0.0	-3.24e-06
1933	68	0.20	0.37	-0.29	-3.72e-05	0.0	0.0
1933	88	0.18	-0.98	-0.23	1.16e-04	0.0	-5.11e-06
1933	92	0.20	-0.14	-0.28	1.96e-05	0.0	-2.40e-06
1933	98	0.17	-0.11	-0.24	1.62e-05	0.0	-2.21e-06
1933	105	0.16	-0.28	-0.23	3.52e-05	0.0	-2.74e-06
1933	107	0.16	-0.11	-0.23	1.55e-05	0.0	-2.18e-06
1933	112	7.85	7.04	-0.21	-6.23e-04	0.0	-5.28e-04
1933	134	0.76	6.43	-0.37	-6.89e-04	0.0	-4.28e-05
1933	139	-4.19	-9.55	-0.12	9.65e-04	0.0	3.27e-04
1933	144	8.83	7.94	-0.21	-7.03e-04	0.0	-5.94e-04
1933	166	0.83	7.26	-0.39	-7.77e-04	0.0	-4.84e-05
1933	171	-4.75	-10.75	-0.11	1.09e-03	0.0	3.70e-04
1933	176	8.78	7.85	-0.21	-6.89e-04	0.0	-5.87e-04
1933	198	0.83	7.23	-0.39	-7.73e-04	0.0	-5.00e-05
1933	203	-4.77	-10.73	-0.11	1.08e-03	0.0	3.72e-04
1933	208	10.27	9.20	-0.21	-8.04e-04	0.0	-6.86e-04
1933	230	0.94	8.47	-0.41	-9.06e-04	0.0	-6.11e-05
1933	235	-5.68	-12.57	-0.09	1.26e-03	0.0	4.44e-04
1934	4	0.29	0.51	-0.30	-4.31e-05	0.0	2.70e-05
1934	44	0.24	-1.28	-0.24	1.82e-04	0.0	1.18e-05
1934	68	0.20	0.34	-0.22	-2.73e-05	0.0	1.84e-05
1934	88	0.17	-0.86	-0.18	1.23e-04	0.0	8.30e-06
1934	98	0.17	-0.09	-0.18	2.41e-05	0.0	1.28e-05
1934	105	0.16	-0.24	-0.17	4.23e-05	0.0	1.09e-05
1934	107	0.16	-0.08	-0.18	2.30e-05	0.0	1.20e-05
1934	112	7.15	6.27	-0.05	-5.73e-04	0.0	-3.06e-04
1934	114	-5.40	-2.15	-0.37	1.38e-04	0.0	4.20e-04
1934	139	-3.78	-8.54	-0.08	9.40e-04	0.0	-2.44e-05
1934	144	8.03	7.08	-0.04	-6.48e-04	0.0	-3.46e-04
1934	146	-6.10	-2.41	-0.40	1.53e-04	0.0	4.72e-04
1934	171	-4.29	-9.61	-0.07	1.06e-03	0.0	-2.85e-05
1934	176	8.00	7.01	-0.04	-6.33e-04	0.0	-3.41e-04
1934	178	-6.08	-2.37	-0.39	1.43e-04	0.0	4.64e-04
1934	203	-4.31	-9.59	-0.07	1.05e-03	0.0	-2.16e-05
1934	208	9.36	8.20	-0.02	-7.39e-04	0.0	-4.00e-04
1934	210	-7.16	-2.75	-0.43	1.59e-04	0.0	5.39e-04
1934	235	-5.14	-11.25	-0.06	1.22e-03	0.0	-2.28e-05
1935	4	0.29	0.49	-0.30	-4.30e-05	0.0	3.61e-05
1935	44	0.24	-1.19	-0.24	1.82e-04	0.0	1.83e-05
1935	68	0.20	0.32	-0.22	-2.72e-05	0.0	2.48e-05
1935	88	0.17	-0.79	-0.18	1.23e-04	0.0	1.29e-05
1935	98	0.16	-0.08	-0.18	2.41e-05	0.0	1.80e-05
1935	105	0.16	-0.21	-0.17	4.23e-05	0.0	1.56e-05
1935	107	0.16	-0.07	-0.17	2.30e-05	0.0	1.68e-05
1935	109	6.82	2.24	-5.73e-03	-1.33e-04	0.0	-3.78e-04
1935	114	-5.14	-2.08	-0.37	1.39e-04	0.0	3.93e-04
1935	139	-3.59	-8.07	-0.08	9.46e-04	0.0	-2.32e-05
1935	141	7.66	2.54	0.02	-1.54e-04	0.0	-4.28e-04
1935	146	-5.82	-2.34	-0.39	1.54e-04	0.0	4.40e-04

1935	171	-4.07	-9.09	-0.07	1.06e-03	0.0	-2.77e-05
1935	176	7.63	6.69	-0.05	-6.38e-04	0.0	-3.04e-04
1935	178	-5.79	-2.30	-0.38	1.44e-04	0.0	4.32e-04
1935	203	-4.10	-9.07	-0.07	1.05e-03	0.0	-2.06e-05
1935	208	8.93	7.84	-0.03	-7.44e-04	0.0	-3.58e-04
1935	210	-6.83	-2.68	-0.42	1.61e-04	0.0	5.01e-04
1935	235	-4.89	-10.63	-0.06	1.23e-03	0.0	-2.23e-05
1936	4	0.30	0.54	-0.31	-4.35e-05	0.0	1.47e-05
1936	44	0.26	-1.37	-0.24	1.82e-04	0.0	2.80e-06
1936	68	0.21	0.35	-0.22	-2.76e-05	0.0	9.91e-06
1936	88	0.18	-0.92	-0.18	1.23e-04	0.0	2.00e-06
1936	98	0.17	-0.10	-0.18	2.39e-05	0.0	5.83e-06
1936	105	0.17	-0.26	-0.17	4.21e-05	0.0	4.55e-06
1936	107	0.17	-0.10	-0.18	2.28e-05	0.0	5.39e-06
1936	112	7.53	6.55	-0.05	-5.63e-04	0.0	-3.61e-04
1936	114	-5.68	-2.21	-0.37	1.36e-04	0.0	4.67e-04
1936	139	-3.99	-9.01	-0.08	9.25e-04	0.0	-2.36e-05
1936	144	8.47	7.39	-0.04	-6.37e-04	0.0	-4.07e-04
1936	146	-6.43	-2.48	-0.40	1.50e-04	0.0	5.26e-04
1936	171	-4.52	-10.13	-0.07	1.04e-03	0.0	-2.71e-05
1936	176	8.43	7.31	-0.04	-6.22e-04	0.0	-4.01e-04
1936	178	-6.40	-2.43	-0.39	1.40e-04	0.0	5.18e-04
1936	203	-4.54	-10.11	-0.07	1.03e-03	0.0	-2.18e-05
1936	208	9.86	8.56	-0.02	-7.26e-04	0.0	-4.69e-04
1936	210	-7.53	-2.83	-0.43	1.56e-04	0.0	6.04e-04
1936	235	-5.41	-11.85	-0.06	1.20e-03	0.0	-2.28e-05
1937	4	0.29	0.56	-0.31	-4.37e-05	0.0	0.0
1937	44	0.25	-1.46	-0.24	1.82e-04	0.0	-6.98e-06
1937	52	0.29	-0.20	-0.29	4.14e-05	0.0	-3.05e-06
1937	68	0.20	0.37	-0.22	-2.77e-05	0.0	0.0
1937	88	0.18	-0.98	-0.18	1.23e-04	0.0	-4.89e-06
1937	92	0.20	-0.14	-0.21	2.91e-05	0.0	-2.27e-06
1937	98	0.17	-0.11	-0.18	2.38e-05	0.0	-2.10e-06
1937	105	0.16	-0.28	-0.17	4.21e-05	0.0	-2.61e-06
1937	107	0.16	-0.11	-0.18	2.27e-05	0.0	-2.07e-06
1937	112	7.85	6.82	-0.05	-5.57e-04	0.0	-5.27e-04
1937	114	-5.93	-2.28	-0.37	1.34e-04	0.0	4.14e-04
1937	139	-4.19	-9.46	-0.08	9.16e-04	0.0	3.27e-04
1937	144	8.83	7.70	-0.04	-6.30e-04	0.0	-5.93e-04
1937	146	-6.71	-2.55	-0.40	1.48e-04	0.0	4.66e-04
1937	171	-4.75	-10.64	-0.07	1.03e-03	0.0	3.69e-04
1937	176	8.78	7.61	-0.04	-6.15e-04	0.0	-5.86e-04
1937	178	-6.67	-2.50	-0.39	1.39e-04	0.0	4.59e-04
1937	203	-4.77	-10.61	-0.07	1.02e-03	0.0	3.72e-04
1937	208	10.27	8.91	-0.02	-7.18e-04	0.0	-6.85e-04
1937	210	-7.85	-2.90	-0.43	1.55e-04	0.0	5.36e-04
1937	235	-5.68	-12.44	-0.06	1.19e-03	0.0	4.43e-04
1938	4	0.05	0.52	-0.66	-1.68e-05	0.0	6.96e-06
1938	44	0.04	-0.90	-0.53	2.11e-04	0.0	-2.30e-06
1938	52	0.05	-0.01	-0.64	7.63e-05	0.0	3.05e-06
1938	68	0.04	0.34	-0.46	-8.60e-06	0.0	4.70e-06
1938	88	0.03	-0.60	-0.38	1.43e-04	0.0	-1.48e-06
1938	92	0.04	-7.42e-03	-0.45	5.35e-05	0.0	2.09e-06
1938	98	0.03	-5.28e-03	-0.37	4.40e-05	0.0	1.60e-06
1938	105	0.03	-0.12	-0.35	6.12e-05	0.0	0.0
1938	107	0.03	-4.79e-03	-0.35	4.19e-05	0.0	1.50e-06
1938	108	3.91	2.57	-0.53	-5.12e-05	0.0	-3.25e-04
1938	112	4.88	2.64	-0.52	-7.84e-05	0.0	-4.06e-04
1938	139	-2.70	-5.20	-0.25	1.03e-03	0.0	2.50e-04
1938	140	4.40	2.89	-0.56	-6.27e-05	0.0	-3.66e-04
1938	144	5.49	2.98	-0.54	-9.34e-05	0.0	-4.58e-04
1938	171	-3.05	-5.85	-0.23	1.15e-03	0.0	2.83e-04
1938	172	4.40	2.85	-0.56	-6.47e-05	0.0	-3.64e-04
1938	176	5.49	2.95	-0.54	-9.67e-05	0.0	-4.56e-04
1938	203	-3.09	-5.80	-0.23	1.14e-03	0.0	2.88e-04
1938	204	5.16	3.33	-0.59	-8.32e-05	0.0	-4.26e-04
1938	208	6.44	3.44	-0.57	-1.21e-04	0.0	-5.36e-04
1938	235	-3.68	-6.77	-0.21	1.32e-03	0.0	3.44e-04
1939	4	0.11	0.53	-0.73	-2.41e-05	0.0	0.0
1939	44	0.09	-1.00	-0.59	2.05e-04	0.0	-5.86e-06
1939	52	0.11	-0.05	-0.72	6.74e-05	0.0	-2.68e-06
1939	68	0.08	0.35	-0.51	-1.36e-05	0.0	0.0
1939	88	0.07	-0.67	-0.42	1.39e-04	0.0	-4.02e-06
1939	92	0.08	-0.03	-0.50	4.74e-05	0.0	-1.90e-06
1939	98	0.06	-0.03	-0.41	3.92e-05	0.0	-1.62e-06

1939	105	0.06	-0.15	-0.39	5.68e-05	0.0	-2.01e-06
1939	107	0.06	-0.02	-0.39	3.74e-05	0.0	-1.55e-06
1939	108	4.39	2.76	-0.59	-3.80e-04	0.0	-3.65e-04
1939	112	5.49	2.85	-0.57	-4.05e-04	0.0	-4.55e-04
1939	139	-3.00	-5.72	-0.27	1.01e-03	0.0	2.77e-04
1939	140	4.94	3.11	-0.61	-4.32e-04	0.0	-4.11e-04
1939	144	6.17	3.21	-0.59	-4.61e-04	0.0	-5.13e-04
1939	171	-3.39	-6.44	-0.26	1.14e-03	0.0	3.13e-04
1939	172	4.93	3.06	-0.61	-4.20e-04	0.0	-4.08e-04
1939	176	6.16	3.17	-0.59	-4.50e-04	0.0	-5.11e-04
1939	203	-3.42	-6.38	-0.26	1.12e-03	0.0	3.19e-04
1939	204	5.78	3.57	-0.65	-4.93e-04	0.0	-4.78e-04
1939	208	7.23	3.71	-0.63	-5.28e-04	0.0	-6.00e-04
1939	235	-4.07	-7.44	-0.24	1.30e-03	0.0	3.82e-04
1940	4	0.17	0.54	-0.79	-2.45e-05	0.0	0.0
1940	44	0.14	-1.11	-0.63	1.97e-04	0.0	-8.38e-06
1940	68	0.12	0.36	-0.55	-1.39e-05	0.0	0.0
1940	88	0.10	-0.74	-0.45	1.34e-04	0.0	-5.77e-06
1940	98	0.10	-0.05	-0.44	3.64e-05	0.0	-3.00e-06
1940	105	0.09	-0.18	-0.41	5.38e-05	0.0	-3.37e-06
1940	107	0.09	-0.04	-0.42	3.48e-05	0.0	-2.86e-06
1940	108	4.88	2.96	-0.64	-3.89e-04	0.0	-3.90e-04
1940	112	6.09	3.06	-0.61	-4.13e-04	0.0	-4.86e-04
1940	139	-3.29	-6.25	-0.29	1.01e-03	0.0	2.94e-04
1940	140	5.48	3.33	-0.66	-4.42e-04	0.0	-4.38e-04
1940	144	6.85	3.45	-0.64	-4.69e-04	0.0	-5.48e-04
1940	171	-3.72	-7.03	-0.27	1.14e-03	0.0	3.33e-04
1940	172	5.47	3.28	-0.66	-4.31e-04	0.0	-4.35e-04
1940	176	6.84	3.41	-0.64	-4.59e-04	0.0	-5.45e-04
1940	203	-3.75	-6.97	-0.27	1.12e-03	0.0	3.38e-04
1940	204	6.40	3.83	-0.70	-5.05e-04	0.0	-5.09e-04
1940	208	8.01	3.98	-0.68	-5.39e-04	0.0	-6.40e-04
1940	235	-4.47	-8.13	-0.24	1.30e-03	0.0	4.05e-04
1941	4	0.24	0.56	-0.84	-2.42e-05	0.0	-2.32e-06
1941	44	0.20	-1.21	-0.67	1.88e-04	0.0	-1.04e-05
1941	68	0.17	0.37	-0.58	-1.39e-05	0.0	-1.81e-06
1941	88	0.14	-0.81	-0.48	1.28e-04	0.0	-7.19e-06
1941	98	0.14	-0.06	-0.47	3.34e-05	0.0	-3.99e-06
1941	105	0.13	-0.21	-0.44	5.03e-05	0.0	-4.40e-06
1941	107	0.13	-0.06	-0.44	3.19e-05	0.0	-3.82e-06
1941	108	5.38	3.16	-0.69	-3.96e-04	0.0	-4.08e-04
1941	112	6.72	3.27	-0.66	-4.17e-04	0.0	-5.11e-04
1941	139	-3.59	-6.78	-0.30	1.00e-03	0.0	3.08e-04
1941	140	6.04	3.57	-0.72	-4.49e-04	0.0	-4.59e-04
1941	144	7.56	3.69	-0.69	-4.74e-04	0.0	-5.76e-04
1941	171	-4.06	-7.62	-0.28	1.13e-03	0.0	3.48e-04
1941	172	6.02	3.51	-0.72	-4.38e-04	0.0	-4.55e-04
1941	176	7.53	3.65	-0.69	-4.64e-04	0.0	-5.73e-04
1941	203	-4.09	-7.55	-0.28	1.11e-03	0.0	3.53e-04
1941	204	7.04	4.10	-0.76	-5.13e-04	0.0	-5.32e-04
1941	208	8.81	4.27	-0.73	-5.45e-04	0.0	-6.72e-04
1941	235	-4.87	-8.80	-0.25	1.29e-03	0.0	4.23e-04
1942	4	0.05	0.52	-0.60	-2.13e-05	0.0	6.87e-06
1942	44	0.04	-0.90	-0.49	2.10e-04	0.0	-2.78e-06
1942	52	0.05	-0.01	-0.59	7.29e-05	0.0	2.85e-06
1942	68	0.04	0.35	-0.42	-1.17e-05	0.0	4.62e-06
1942	88	0.03	-0.60	-0.35	1.42e-04	0.0	-1.81e-06
1942	92	0.04	-6.66e-03	-0.41	5.11e-05	0.0	1.94e-06
1942	98	0.03	-4.72e-03	-0.34	4.21e-05	0.0	1.46e-06
1942	105	0.03	-0.12	-0.32	5.95e-05	0.0	0.0
1942	107	0.03	-4.27e-03	-0.32	4.01e-05	0.0	1.36e-06
1942	108	3.91	2.42	-0.69	-7.54e-05	0.0	-3.24e-04
1942	112	4.88	2.49	-0.66	-1.02e-04	0.0	-4.05e-04
1942	139	-2.70	-5.14	-0.16	9.93e-04	0.0	2.49e-04
1942	140	4.40	2.73	-0.73	-8.97e-05	0.0	-3.65e-04
1942	144	5.49	2.80	-0.70	-1.20e-04	0.0	-4.57e-04
1942	171	-3.05	-5.78	-0.13	1.11e-03	0.0	2.81e-04
1942	172	4.39	2.69	-0.73	-9.22e-05	0.0	-3.62e-04
1942	176	5.49	2.77	-0.70	-1.24e-04	0.0	-4.55e-04
1942	203	-3.09	-5.73	-0.13	1.10e-03	0.0	2.86e-04
1942	204	5.16	3.13	-0.80	-1.16e-04	0.0	-4.25e-04
1942	208	6.44	3.24	-0.76	-1.53e-04	0.0	-5.35e-04
1942	235	-3.68	-6.68	-0.10	1.27e-03	0.0	3.42e-04
1943	4	0.11	0.53	-0.69	-2.30e-05	0.0	1.08e-06
1943	44	0.09	-1.01	-0.56	2.06e-04	0.0	-5.81e-06

1943	52	0.11	-0.05	-0.67	6.86e-05	0.0	-2.53e-06
1943	68	0.08	0.35	-0.48	-1.28e-05	0.0	0.0
1943	88	0.07	-0.67	-0.40	1.40e-04	0.0	-3.98e-06
1943	92	0.08	-0.03	-0.47	4.82e-05	0.0	-1.80e-06
1943	98	0.06	-0.03	-0.39	3.99e-05	0.0	-1.55e-06
1943	105	0.06	-0.15	-0.37	5.75e-05	0.0	-1.96e-06
1943	107	0.06	-0.03	-0.37	3.81e-05	0.0	-1.48e-06
1943	108	4.39	2.59	-0.76	-7.37e-05	0.0	-3.64e-04
1943	112	5.49	2.67	-0.73	-9.80e-05	0.0	-4.54e-04
1943	139	-3.00	-5.66	-0.19	1.01e-03	0.0	2.76e-04
1943	140	4.94	2.92	-0.81	-8.75e-05	0.0	-4.10e-04
1943	144	6.18	3.01	-0.77	-1.15e-04	0.0	-5.12e-04
1943	171	-3.39	-6.36	-0.17	1.13e-03	0.0	3.12e-04
1943	172	4.93	2.88	-0.80	-8.87e-05	0.0	-4.07e-04
1943	176	6.16	2.98	-0.77	-1.17e-04	0.0	-5.10e-04
1943	203	-3.42	-6.30	-0.17	1.12e-03	0.0	3.17e-04
1943	204	5.78	3.35	-0.87	-1.10e-04	0.0	-4.77e-04
1943	208	7.23	3.48	-0.84	-1.45e-04	0.0	-5.99e-04
1943	235	-4.07	-7.35	-0.13	1.29e-03	0.0	3.80e-04
1944	4	0.17	0.54	-0.74	-2.37e-05	0.0	0.0
1944	44	0.15	-1.11	-0.60	1.98e-04	0.0	-7.83e-06
1944	68	0.12	0.36	-0.52	-1.34e-05	0.0	0.0
1944	88	0.10	-0.75	-0.43	1.34e-04	0.0	-5.39e-06
1944	98	0.10	-0.05	-0.42	3.69e-05	0.0	-2.60e-06
1944	105	0.09	-0.18	-0.39	5.43e-05	0.0	-3.01e-06
1944	107	0.09	-0.04	-0.40	3.53e-05	0.0	-2.48e-06
1944	108	4.87	2.78	-0.78	-3.76e-04	0.0	-3.89e-04
1944	112	6.09	2.87	-0.75	-3.98e-04	0.0	-4.86e-04
1944	139	-3.29	-6.19	-0.22	1.02e-03	0.0	2.94e-04
1944	140	5.48	3.14	-0.83	-4.27e-04	0.0	-4.37e-04
1944	144	6.85	3.24	-0.79	-4.52e-04	0.0	-5.47e-04
1944	171	-3.72	-6.96	-0.20	1.14e-03	0.0	3.32e-04
1944	172	5.46	3.09	-0.82	-4.16e-04	0.0	-4.34e-04
1944	176	6.83	3.20	-0.79	-4.42e-04	0.0	-5.45e-04
1944	203	-3.75	-6.89	-0.20	1.13e-03	0.0	3.38e-04
1944	204	6.40	3.60	-0.90	-4.88e-04	0.0	-5.08e-04
1944	208	8.00	3.74	-0.86	-5.19e-04	0.0	-6.39e-04
1944	235	-4.47	-8.03	-0.16	1.30e-03	0.0	4.04e-04
1945	4	0.25	0.56	-0.77	-1.83e-05	0.0	1.08e-06
1945	44	0.21	-1.21	-0.63	1.91e-04	0.0	-8.30e-06
1945	68	0.18	0.37	-0.54	-9.80e-06	0.0	0.0
1945	88	0.15	-0.81	-0.44	1.30e-04	0.0	-5.71e-06
1945	98	0.14	-0.06	-0.44	3.61e-05	0.0	-2.27e-06
1945	105	0.14	-0.21	-0.41	5.28e-05	0.0	-2.84e-06
1945	107	0.14	-0.06	-0.41	3.45e-05	0.0	-2.19e-06
1945	108	5.40	2.98	-0.76	-3.75e-04	0.0	-4.02e-04
1945	112	6.75	3.08	-0.73	-3.93e-04	0.0	-5.06e-04
1945	139	-3.59	-6.73	-0.25	9.82e-04	0.0	3.08e-04
1945	140	6.06	3.36	-0.80	-4.26e-04	0.0	-4.52e-04
1945	144	7.58	3.48	-0.77	-4.46e-04	0.0	-5.70e-04
1945	171	-4.07	-7.56	-0.23	1.10e-03	0.0	3.48e-04
1945	172	6.04	3.31	-0.80	-4.16e-04	0.0	-4.48e-04
1945	176	7.56	3.44	-0.76	-4.38e-04	0.0	-5.67e-04
1945	203	-4.10	-7.49	-0.23	1.09e-03	0.0	3.52e-04
1945	204	7.07	3.86	-0.86	-4.89e-04	0.0	-5.24e-04
1945	208	8.84	4.02	-0.82	-5.15e-04	0.0	-6.65e-04
1945	235	-4.88	-8.72	-0.19	1.26e-03	0.0	4.21e-04
1946	4	0.24	0.57	-0.89	-1.62e-05	0.0	-1.09e-05
1946	44	0.21	-1.30	-0.72	1.84e-04	0.0	-1.25e-05
1946	68	0.17	0.38	-0.62	-8.51e-06	0.0	-7.73e-06
1946	88	0.15	-0.87	-0.51	1.25e-04	0.0	-8.80e-06
1946	98	0.14	-0.08	-0.50	3.45e-05	0.0	-7.57e-06
1946	105	0.14	-0.23	-0.47	5.07e-05	0.0	-7.34e-06
1946	107	0.14	-0.07	-0.47	3.30e-05	0.0	-7.19e-06
1946	108	5.69	3.36	-0.74	-3.84e-04	0.0	-4.22e-04
1946	112	7.12	3.48	-0.71	-4.03e-04	0.0	-5.29e-04
1946	139	-3.81	-7.28	-0.31	9.68e-04	0.0	3.17e-04
1946	140	6.39	3.79	-0.77	-4.36e-04	0.0	-4.75e-04
1946	144	8.00	3.93	-0.74	-4.58e-04	0.0	-5.95e-04
1946	171	-4.31	-8.19	-0.29	1.09e-03	0.0	3.59e-04
1946	172	6.37	3.73	-0.77	-4.26e-04	0.0	-4.70e-04
1946	176	7.97	3.88	-0.74	-4.49e-04	0.0	-5.91e-04
1946	203	-4.34	-8.11	-0.29	1.07e-03	0.0	3.64e-04
1946	204	7.45	4.36	-0.82	-5.00e-04	0.0	-5.48e-04
1946	208	9.33	4.54	-0.78	-5.28e-04	0.0	-6.91e-04

1946	235	-5.16	-9.45	-0.25	1.25e-03	0.0	4.36e-04
1947	4	0.22	0.58	-0.97	1.95e-05	0.0	-4.27e-05
1947	28	0.22	-0.91	-0.93	1.61e-04	0.0	-3.65e-05
1947	44	0.20	-1.39	-0.78	2.00e-04	0.0	-2.82e-05
1947	68	0.16	0.38	-0.68	1.60e-05	0.0	-2.96e-05
1947	80	0.16	-0.61	-0.65	1.11e-04	0.0	-2.56e-05
1947	88	0.14	-0.93	-0.55	1.36e-04	0.0	-2.00e-05
1947	98	0.13	-0.10	-0.54	5.07e-05	0.0	-2.31e-05
1947	105	0.13	-0.26	-0.51	6.46e-05	0.0	-2.09e-05
1947	107	0.13	-0.09	-0.52	4.82e-05	0.0	-2.18e-05
1947	112	7.55	3.68	-0.77	-3.52e-04	0.0	-5.84e-04
1947	124	-0.40	7.13	-0.80	-7.49e-04	0.0	-1.10e-05
1947	139	-4.08	-7.75	-0.33	8.97e-04	0.0	3.59e-04
1947	144	8.49	4.15	-0.80	-4.02e-04	0.0	-6.56e-04
1947	156	-0.47	8.02	-0.84	-8.49e-04	0.0	1.54e-05
1947	171	-4.62	-8.71	-0.31	1.00e-03	0.0	4.09e-04
1947	176	8.45	4.10	-0.80	-3.95e-04	0.0	-6.50e-04
1947	188	-0.46	7.88	-0.83	-8.32e-04	0.0	1.48e-05
1947	203	-4.64	-8.63	-0.31	9.93e-04	0.0	4.15e-04
1947	208	9.89	4.80	-0.85	-4.68e-04	0.0	-7.58e-04
1947	220	-0.56	9.16	-0.89	-9.73e-04	0.0	2.27e-05
1947	235	-5.51	-10.06	-0.27	1.15e-03	0.0	4.99e-04
1948	4	0.29	0.54	-1.08	1.26e-04	0.0	-2.72e-06
1948	44	0.25	-1.50	-0.87	2.38e-04	0.0	-4.53e-06
1948	52	0.29	-0.23	-1.06	1.79e-04	0.0	-4.15e-06
1948	68	0.20	0.35	-0.76	8.98e-05	0.0	-2.10e-06
1948	88	0.18	-1.01	-0.61	1.65e-04	0.0	-3.30e-06
1948	92	0.20	-0.16	-0.74	1.25e-04	0.0	-3.05e-06
1948	98	0.17	-0.13	-0.60	1.02e-04	0.0	-2.78e-06
1948	105	0.16	-0.30	-0.57	1.08e-04	0.0	-2.80e-06
1948	107	0.16	-0.13	-0.57	9.70e-05	0.0	-2.72e-06
1948	112	7.85	3.83	-0.85	-1.25e-04	0.0	-5.41e-04
1948	124	-0.39	7.46	-0.89	-3.64e-04	0.0	4.53e-05
1948	139	-4.19	-8.17	-0.37	5.81e-04	0.0	3.38e-04
1948	144	8.83	4.32	-0.88	-1.52e-04	0.0	-6.09e-04
1948	156	-0.46	8.40	-0.93	-4.22e-04	0.0	5.18e-05
1948	171	-4.75	-9.18	-0.35	6.42e-04	0.0	3.82e-04
1948	176	8.78	4.27	-0.88	-1.49e-04	0.0	-6.01e-04
1948	188	-0.46	8.24	-0.92	-4.12e-04	0.0	5.42e-05
1948	203	-4.77	-9.10	-0.35	6.35e-04	0.0	3.85e-04
1948	208	10.27	5.00	-0.94	-1.91e-04	0.0	-7.03e-04
1948	220	-0.56	9.59	-0.98	-4.95e-04	0.0	6.71e-05
1948	235	-5.67	-10.59	-0.30	7.24e-04	0.0	4.59e-04
1949	4	0.25	0.56	-0.79	-2.91e-06	0.0	-1.60e-05
1949	44	0.22	-1.31	-0.64	1.91e-04	0.0	-1.45e-05
1949	68	0.17	0.37	-0.55	0.0	0.0	-1.12e-05
1949	88	0.15	-0.88	-0.45	1.30e-04	0.0	-1.02e-05
1949	98	0.14	-0.08	-0.44	4.09e-05	0.0	-9.80e-06
1949	105	0.14	-0.24	-0.42	5.63e-05	0.0	-9.26e-06
1949	107	0.14	-0.08	-0.42	3.91e-05	0.0	-9.30e-06
1949	108	5.69	3.16	-0.75	-3.55e-04	0.0	-4.27e-04
1949	112	7.12	3.27	-0.71	-3.68e-04	0.0	-5.34e-04
1949	139	-3.81	-7.20	-0.27	9.25e-04	0.0	3.20e-04
1949	140	6.39	3.57	-0.79	-4.05e-04	0.0	-4.80e-04
1949	144	8.01	3.69	-0.75	-4.19e-04	0.0	-6.01e-04
1949	171	-4.31	-8.09	-0.24	1.04e-03	0.0	3.62e-04
1949	172	6.37	3.51	-0.78	-3.96e-04	0.0	-4.75e-04
1949	176	7.97	3.65	-0.75	-4.13e-04	0.0	-5.97e-04
1949	203	-4.34	-8.01	-0.24	1.02e-03	0.0	3.68e-04
1949	204	7.45	4.10	-0.84	-4.67e-04	0.0	-5.54e-04
1949	208	9.33	4.27	-0.81	-4.87e-04	0.0	-6.98e-04
1949	235	-5.16	-9.33	-0.21	1.19e-03	0.0	4.41e-04
1950	4	0.24	0.56	-0.82	1.68e-05	0.0	-4.65e-05
1950	44	0.21	-1.41	-0.67	1.97e-04	0.0	-3.02e-05
1950	52	0.24	-0.19	-0.80	8.48e-05	0.0	-4.38e-05
1950	68	0.17	0.36	-0.57	1.41e-05	0.0	-3.23e-05
1950	88	0.15	-0.94	-0.47	1.35e-04	0.0	-2.14e-05
1950	92	0.17	-0.13	-0.56	5.95e-05	0.0	-3.05e-05
1950	98	0.14	-0.11	-0.46	4.92e-05	0.0	-2.48e-05
1950	105	0.13	-0.27	-0.43	6.33e-05	0.0	-2.25e-05
1950	107	0.13	-0.10	-0.44	4.68e-05	0.0	-2.35e-05
1950	108	6.02	3.33	-0.75	-3.38e-04	0.0	-4.60e-04
1950	112	7.54	3.45	-0.72	-3.48e-04	0.0	-5.82e-04
1950	139	-4.06	-7.64	-0.28	8.92e-04	0.0	3.54e-04
1950	140	6.77	3.76	-0.79	-3.86e-04	0.0	-5.15e-04

1950	144	8.48	3.89	-0.76	-3.97e-04	0.0	-6.52e-04
1950	171	-4.60	-8.58	-0.26	9.98e-04	0.0	4.03e-04
1950	172	6.73	3.70	-0.79	-3.79e-04	0.0	-5.10e-04
1950	176	8.44	3.84	-0.76	-3.91e-04	0.0	-6.46e-04
1950	203	-4.62	-8.50	-0.26	9.88e-04	0.0	4.09e-04
1950	204	7.88	4.32	-0.85	-4.49e-04	0.0	-5.91e-04
1950	208	9.88	4.50	-0.81	-4.64e-04	0.0	-7.53e-04
1950	235	-5.49	-9.90	-0.23	1.14e-03	0.0	4.92e-04
1951	4	0.29	0.54	-0.87	9.78e-05	0.0	4.15e-06
1951	44	0.25	-1.51	-0.71	2.20e-04	0.0	0.0
1951	52	0.29	-0.23	-0.85	1.53e-04	0.0	2.46e-06
1951	68	0.20	0.35	-0.61	7.03e-05	0.0	2.64e-06
1951	88	0.18	-1.01	-0.50	1.52e-04	0.0	0.0
1951	92	0.20	-0.16	-0.60	1.07e-04	0.0	1.51e-06
1951	98	0.17	-0.13	-0.49	8.79e-05	0.0	0.0
1951	105	0.16	-0.30	-0.46	9.51e-05	0.0	0.0
1951	107	0.16	-0.13	-0.47	8.36e-05	0.0	0.0
1951	108	6.27	3.50	-0.78	-1.34e-04	0.0	-4.22e-04
1951	112	7.85	3.61	-0.75	-1.36e-04	0.0	-5.37e-04
1951	139	-4.19	-8.08	-0.31	5.47e-04	0.0	3.42e-04
1951	140	7.04	3.95	-0.82	-1.61e-04	0.0	-4.76e-04
1951	144	8.83	4.08	-0.78	-1.63e-04	0.0	-6.05e-04
1951	171	-4.75	-9.07	-0.29	6.05e-04	0.0	3.86e-04
1951	172	7.01	3.89	-0.82	-1.59e-04	0.0	-4.68e-04
1951	176	8.78	4.03	-0.78	-1.62e-04	0.0	-5.97e-04
1951	203	-4.77	-8.98	-0.29	5.99e-04	0.0	3.88e-04
1951	204	8.19	4.54	-0.87	-1.99e-04	0.0	-5.45e-04
1951	208	10.27	4.72	-0.84	-2.03e-04	0.0	-6.99e-04
1951	235	-5.67	-10.46	-0.25	6.84e-04	0.0	4.63e-04
1952	4	0.06	0.51	-0.16	-7.88e-06	0.0	-3.36e-06
1952	44	0.05	-0.90	-0.14	2.00e-04	0.0	-4.16e-06
1952	52	0.06	-0.02	-0.16	7.37e-05	0.0	-4.27e-06
1952	68	0.04	0.34	-0.12	-2.57e-06	0.0	-2.46e-06
1952	88	0.04	-0.60	-0.10	1.36e-04	0.0	-2.99e-06
1952	92	0.04	-0.01	-0.11	5.18e-05	0.0	-3.07e-06
1952	98	0.03	-9.37e-03	-0.10	4.30e-05	0.0	-2.69e-06
1952	105	0.03	-0.13	-0.09	5.91e-05	0.0	-2.64e-06
1952	107	0.03	-8.83e-03	-0.10	4.10e-05	0.0	-2.60e-06
1952	112	4.87	2.08	0.15	-3.68e-04	0.0	-3.91e-04
1952	114	-3.83	0.82	-0.41	-1.74e-04	0.0	3.05e-04
1952	139	-2.70	-5.05	-0.04	1.11e-03	0.0	2.39e-04
1952	144	5.49	2.34	0.18	-4.19e-04	0.0	-4.40e-04
1952	146	-4.32	0.92	-0.45	-2.01e-04	0.0	3.43e-04
1952	171	-3.05	-5.68	-0.03	1.24e-03	0.0	2.70e-04
1952	176	5.48	2.31	0.17	-4.11e-04	0.0	-4.37e-04
1952	178	-4.32	0.90	-0.45	-1.99e-04	0.0	3.40e-04
1952	203	-3.09	-5.61	-0.03	1.23e-03	0.0	2.74e-04
1952	208	6.44	2.69	0.22	-4.84e-04	0.0	-5.12e-04
1952	210	-5.08	1.05	-0.51	-2.39e-04	0.0	3.97e-04
1952	235	-3.67	-6.54	-0.03	1.42e-03	0.0	3.28e-04
1953	4	0.06	0.51	-0.15	-8.07e-06	0.0	-3.30e-06
1953	44	0.05	-0.90	-0.13	1.99e-04	0.0	-4.06e-06
1953	52	0.06	-0.02	-0.15	7.33e-05	0.0	-4.20e-06
1953	68	0.04	0.34	-0.11	-2.71e-06	0.0	-2.42e-06
1953	88	0.04	-0.60	-0.09	1.36e-04	0.0	-2.92e-06
1953	92	0.04	-0.01	-0.11	5.15e-05	0.0	-3.02e-06
1953	98	0.03	-0.01	-0.09	4.27e-05	0.0	-2.65e-06
1953	105	0.03	-0.13	-0.09	5.87e-05	0.0	-2.60e-06
1953	107	0.03	-0.01	-0.09	4.07e-05	0.0	-2.56e-06
1953	112	4.87	1.87	-5.77e-03	-3.35e-04	0.0	-3.90e-04
1953	114	-3.83	1.00	-0.20	-1.97e-04	0.0	3.05e-04
1953	135	-2.90	-4.96	-0.07	1.08e-03	0.0	2.36e-04
1953	144	5.49	2.10	4.99e-03	-3.81e-04	0.0	-4.40e-04
1953	146	-4.32	1.13	-0.22	-2.27e-04	0.0	3.43e-04
1953	171	-3.05	-5.58	-0.06	1.21e-03	0.0	2.70e-04
1953	176	5.48	2.08	4.04e-03	-3.74e-04	0.0	-4.37e-04
1953	178	-4.32	1.11	-0.22	-2.24e-04	0.0	3.40e-04
1953	203	-3.09	-5.51	-0.06	1.20e-03	0.0	2.74e-04
1953	208	6.44	2.42	0.02	-4.42e-04	0.0	-5.12e-04
1953	210	-5.08	1.29	-0.24	-2.68e-04	0.0	3.97e-04
1953	235	-3.67	-6.41	-0.06	1.39e-03	0.0	3.28e-04
1954	4	0.11	0.51	-0.19	-8.38e-06	0.0	-3.31e-06
1954	44	0.09	-1.01	-0.16	2.00e-04	0.0	-3.48e-06
1954	52	0.11	-0.06	-0.18	7.33e-05	0.0	-4.03e-06
1954	68	0.07	0.34	-0.13	-2.93e-06	0.0	-2.42e-06

1954	88	0.07	-0.67	-0.11	1.36e-04	0.0	-2.54e-06
1954	92	0.08	-0.04	-0.13	5.15e-05	0.0	-2.91e-06
1954	98	0.06	-0.03	-0.11	4.27e-05	0.0	-2.57e-06
1954	105	0.06	-0.16	-0.11	5.88e-05	0.0	-2.47e-06
1954	107	0.06	-0.03	-0.11	4.07e-05	0.0	-2.49e-06
1954	112	5.48	2.26	0.14	-3.48e-04	0.0	-4.22e-04
1954	114	-4.25	0.91	-0.44	-1.63e-04	0.0	3.26e-04
1954	139	-3.00	-5.62	-0.05	1.06e-03	0.0	2.63e-04
1954	144	6.16	2.55	0.17	-3.97e-04	0.0	-4.75e-04
1954	146	-4.80	1.02	-0.48	-1.88e-04	0.0	3.68e-04
1954	171	-3.39	-6.32	-0.04	1.18e-03	0.0	2.98e-04
1954	176	6.15	2.52	0.17	-3.89e-04	0.0	-4.71e-04
1954	178	-4.79	1.01	-0.48	-1.87e-04	0.0	3.63e-04
1954	203	-3.42	-6.25	-0.04	1.17e-03	0.0	3.01e-04
1954	208	7.21	2.94	0.22	-4.58e-04	0.0	-5.52e-04
1954	210	-5.64	1.17	-0.54	-2.25e-04	0.0	4.24e-04
1954	235	-4.07	-7.27	-0.03	1.35e-03	0.0	3.60e-04
1955	4	0.11	0.51	-0.17	-8.29e-06	0.0	-3.24e-06
1955	44	0.09	-1.01	-0.15	1.99e-04	0.0	-3.45e-06
1955	52	0.11	-0.06	-0.17	7.32e-05	0.0	-3.99e-06
1955	68	0.07	0.34	-0.12	-2.87e-06	0.0	-2.38e-06
1955	88	0.07	-0.67	-0.11	1.36e-04	0.0	-2.52e-06
1955	92	0.08	-0.04	-0.12	5.14e-05	0.0	-2.88e-06
1955	98	0.06	-0.03	-0.11	4.26e-05	0.0	-2.54e-06
1955	105	0.06	-0.16	-0.10	5.87e-05	0.0	-2.44e-06
1955	107	0.06	-0.03	-0.10	4.07e-05	0.0	-2.46e-06
1955	112	5.47	2.04	-0.01	-3.16e-04	0.0	-4.21e-04
1955	114	-4.25	1.11	-0.22	-1.85e-04	0.0	3.26e-04
1955	135	-3.23	-5.52	-0.08	1.03e-03	0.0	2.60e-04
1955	144	6.16	2.30	-7.25e-04	-3.61e-04	0.0	-4.75e-04
1955	146	-4.80	1.25	-0.24	-2.13e-04	0.0	3.68e-04
1955	171	-3.39	-6.21	-0.07	1.15e-03	0.0	2.97e-04
1955	176	6.15	2.27	-1.74e-03	-3.54e-04	0.0	-4.71e-04
1955	178	-4.79	1.23	-0.24	-2.11e-04	0.0	3.63e-04
1955	203	-3.42	-6.13	-0.07	1.14e-03	0.0	3.01e-04
1955	208	7.21	2.65	0.02	-4.18e-04	0.0	-5.51e-04
1955	210	-5.63	1.43	-0.26	-2.52e-04	0.0	4.24e-04
1955	235	-4.07	-7.13	-0.07	1.32e-03	0.0	3.60e-04
1956	4	0.16	0.52	-0.21	-8.86e-06	0.0	-3.58e-06
1956	44	0.14	-1.11	-0.18	1.99e-04	0.0	-3.23e-06
1956	52	0.17	-0.09	-0.21	7.29e-05	0.0	-4.14e-06
1956	68	0.12	0.34	-0.15	-3.27e-06	0.0	-2.62e-06
1956	88	0.10	-0.74	-0.13	1.36e-04	0.0	-2.39e-06
1956	92	0.12	-0.07	-0.15	5.12e-05	0.0	-2.99e-06
1956	98	0.10	-0.05	-0.13	4.24e-05	0.0	-2.66e-06
1956	105	0.09	-0.19	-0.12	5.85e-05	0.0	-2.51e-06
1956	107	0.09	-0.05	-0.12	4.05e-05	0.0	-2.58e-06
1956	112	6.07	2.44	0.12	-3.19e-04	0.0	-4.51e-04
1956	114	-4.66	0.99	-0.45	-1.46e-04	0.0	3.46e-04
1956	139	-3.29	-6.16	-0.06	9.77e-04	0.0	2.86e-04
1956	144	6.83	2.75	0.15	-3.64e-04	0.0	-5.08e-04
1956	146	-5.27	1.12	-0.49	-1.70e-04	0.0	3.90e-04
1956	171	-3.72	-6.92	-0.05	1.09e-03	0.0	3.24e-04
1956	176	6.81	2.72	0.15	-3.57e-04	0.0	-5.03e-04
1956	178	-5.25	1.10	-0.48	-1.68e-04	0.0	3.85e-04
1956	203	-3.75	-6.84	-0.06	1.08e-03	0.0	3.27e-04
1956	208	7.98	3.17	0.19	-4.21e-04	0.0	-5.89e-04
1956	210	-6.18	1.29	-0.54	-2.03e-04	0.0	4.49e-04
1956	235	-4.46	-7.96	-0.05	1.25e-03	0.0	3.91e-04
1957	4	0.16	0.51	-0.18	-8.56e-06	0.0	-3.47e-06
1957	44	0.14	-1.11	-0.16	1.99e-04	0.0	-3.21e-06
1957	52	0.16	-0.10	-0.18	7.30e-05	0.0	-4.08e-06
1957	68	0.11	0.34	-0.13	-3.05e-06	0.0	-2.54e-06
1957	88	0.10	-0.75	-0.11	1.35e-04	0.0	-2.37e-06
1957	92	0.11	-0.07	-0.13	5.13e-05	0.0	-2.95e-06
1957	98	0.09	-0.06	-0.11	4.25e-05	0.0	-2.62e-06
1957	105	0.09	-0.19	-0.11	5.86e-05	0.0	-2.48e-06
1957	107	0.09	-0.05	-0.11	4.06e-05	0.0	-2.54e-06
1957	112	6.08	2.20	-0.01	-2.89e-04	0.0	-4.51e-04
1957	114	-4.67	1.20	-0.24	-1.67e-04	0.0	3.46e-04
1957	135	-3.56	-6.04	-0.09	9.55e-04	0.0	2.82e-04
1957	144	6.83	2.48	-4.92e-04	-3.31e-04	0.0	-5.08e-04
1957	146	-5.27	1.36	-0.26	-1.93e-04	0.0	3.90e-04
1957	171	-3.72	-6.79	-0.08	1.07e-03	0.0	3.23e-04
1957	176	6.81	2.45	-1.61e-03	-3.24e-04	0.0	-5.03e-04

1957	178	-5.26	1.34	-0.25	-1.91e-04	0.0	3.85e-04
1957	203	-3.76	-6.71	-0.08	1.06e-03	0.0	3.26e-04
1957	208	7.98	2.86	0.02	-3.84e-04	0.0	-5.88e-04
1957	210	-6.19	1.56	-0.28	-2.29e-04	0.0	4.50e-04
1957	235	-4.47	-7.80	-0.07	1.22e-03	0.0	3.90e-04
1958	4	0.25	0.52	-0.25	-8.86e-06	0.0	-4.41e-06
1958	44	0.21	-1.22	-0.21	1.99e-04	0.0	-3.29e-06
1958	68	0.17	0.34	-0.18	-3.28e-06	0.0	-3.20e-06
1958	88	0.15	-0.82	-0.15	1.35e-04	0.0	-2.46e-06
1958	98	0.14	-0.08	-0.15	4.24e-05	0.0	-3.00e-06
1958	105	0.14	-0.22	-0.14	5.84e-05	0.0	-2.78e-06
1958	107	0.14	-0.07	-0.15	4.04e-05	0.0	-2.90e-06
1958	112	6.74	2.60	0.07	-2.83e-04	0.0	-4.80e-04
1958	114	-5.11	1.06	-0.43	-1.24e-04	0.0	3.65e-04
1958	139	-3.59	-6.65	-0.08	8.78e-04	0.0	3.08e-04
1958	144	7.58	2.93	0.10	-3.23e-04	0.0	-5.40e-04
1958	146	-5.78	1.21	-0.47	-1.45e-04	0.0	4.11e-04
1958	171	-4.07	-7.47	-0.08	9.83e-04	0.0	3.49e-04
1958	176	7.55	2.89	0.09	-3.17e-04	0.0	-5.34e-04
1958	178	-5.75	1.19	-0.46	-1.43e-04	0.0	4.05e-04
1958	203	-4.10	-7.38	-0.08	9.70e-04	0.0	3.52e-04
1958	208	8.83	3.38	0.13	-3.75e-04	0.0	-6.25e-04
1958	210	-6.77	1.39	-0.52	-1.74e-04	0.0	4.73e-04
1958	235	-4.88	-8.59	-0.07	1.12e-03	0.0	4.21e-04
1959	4	0.23	0.52	-0.19	-8.81e-06	0.0	-3.89e-06
1959	44	0.20	-1.22	-0.17	1.99e-04	0.0	-3.26e-06
1959	52	0.23	-0.13	-0.19	7.29e-05	0.0	-4.39e-06
1959	68	0.16	0.34	-0.14	-3.23e-06	0.0	-2.85e-06
1959	88	0.14	-0.82	-0.12	1.35e-04	0.0	-2.43e-06
1959	92	0.16	-0.09	-0.14	5.12e-05	0.0	-3.18e-06
1959	98	0.13	-0.08	-0.12	4.25e-05	0.0	-2.84e-06
1959	105	0.13	-0.22	-0.12	5.85e-05	0.0	-2.65e-06
1959	107	0.13	-0.07	-0.12	4.05e-05	0.0	-2.75e-06
1959	112	6.70	2.34	-9.75e-03	-2.60e-04	0.0	-4.78e-04
1959	114	-5.10	1.28	-0.26	-1.47e-04	0.0	3.66e-04
1959	139	-3.59	-6.52	-0.09	8.72e-04	0.0	3.05e-04
1959	144	7.54	2.64	3.79e-03	-2.97e-04	0.0	-5.38e-04
1959	146	-5.76	1.45	-0.28	-1.71e-04	0.0	4.12e-04
1959	171	-4.06	-7.32	-0.08	9.75e-04	0.0	3.45e-04
1959	176	7.51	2.61	2.51e-03	-2.92e-04	0.0	-5.33e-04
1959	178	-5.74	1.43	-0.28	-1.69e-04	0.0	4.06e-04
1959	203	-4.09	-7.23	-0.08	9.62e-04	0.0	3.49e-04
1959	208	8.79	3.05	0.02	-3.46e-04	0.0	-6.23e-04
1959	210	-6.76	1.67	-0.30	-2.03e-04	0.0	4.74e-04
1959	235	-4.87	-8.41	-0.08	1.11e-03	0.0	4.17e-04
1960	4	0.06	0.50	-0.14	-8.19e-06	0.0	-3.04e-06
1960	44	0.05	-0.91	-0.12	1.99e-04	0.0	-3.67e-06
1960	52	0.06	-0.02	-0.13	7.30e-05	0.0	-3.91e-06
1960	68	0.04	0.34	-0.10	-2.79e-06	0.0	-2.23e-06
1960	88	0.04	-0.60	-0.09	1.35e-04	0.0	-2.65e-06
1960	92	0.04	-0.02	-0.10	5.13e-05	0.0	-2.81e-06
1960	98	0.03	-0.01	-0.09	4.26e-05	0.0	-2.47e-06
1960	105	0.03	-0.13	-0.08	5.85e-05	0.0	-2.40e-06
1960	107	0.03	-0.01	-0.08	4.06e-05	0.0	-2.39e-06
1960	112	4.87	1.66	-0.04	-2.99e-04	0.0	-3.90e-04
1960	114	-3.83	1.19	-0.14	-2.22e-04	0.0	3.05e-04
1960	135	-2.90	-4.88	-0.07	1.06e-03	0.0	2.36e-04
1960	144	5.49	1.87	-0.04	-3.41e-04	0.0	-4.39e-04
1960	146	-4.32	1.34	-0.15	-2.55e-04	0.0	3.43e-04
1960	167	-3.28	-5.48	-0.07	1.18e-03	0.0	2.67e-04
1960	176	5.48	1.85	-0.04	-3.35e-04	0.0	-4.36e-04
1960	178	-4.32	1.32	-0.15	-2.51e-04	0.0	3.40e-04
1960	203	-3.09	-5.41	-0.07	1.17e-03	0.0	2.74e-04
1960	208	6.44	2.15	-0.03	-3.96e-04	0.0	-5.11e-04
1960	210	-5.08	1.53	-0.16	-2.98e-04	0.0	3.97e-04
1960	235	-3.67	-6.29	-0.07	1.35e-03	0.0	3.28e-04
1961	4	0.11	0.51	-0.15	-8.23e-06	0.0	-2.89e-06
1961	44	0.09	-1.01	-0.13	1.99e-04	0.0	-3.27e-06
1961	52	0.11	-0.06	-0.15	7.31e-05	0.0	-3.74e-06
1961	68	0.07	0.34	-0.11	-2.82e-06	0.0	-2.13e-06
1961	88	0.07	-0.68	-0.10	1.35e-04	0.0	-2.39e-06
1961	92	0.07	-0.04	-0.11	5.14e-05	0.0	-2.70e-06
1961	98	0.06	-0.03	-0.10	4.26e-05	0.0	-2.39e-06
1961	105	0.06	-0.16	-0.09	5.86e-05	0.0	-2.30e-06
1961	107	0.06	-0.03	-0.09	4.07e-05	0.0	-2.32e-06

1961	112	5.47	1.82	-0.05	-2.82e-04	0.0	-4.21e-04
1961	114	-4.25	1.31	-0.16	-2.09e-04	0.0	3.26e-04
1961	135	-3.23	-5.42	-0.08	1.01e-03	0.0	2.59e-04
1961	144	6.16	2.05	-0.04	-3.23e-04	0.0	-4.74e-04
1961	146	-4.80	1.47	-0.16	-2.40e-04	0.0	3.68e-04
1961	167	-3.65	-6.09	-0.08	1.13e-03	0.0	2.93e-04
1961	176	6.15	2.02	-0.04	-3.17e-04	0.0	-4.70e-04
1961	178	-4.79	1.45	-0.16	-2.37e-04	0.0	3.63e-04
1961	203	-3.42	-6.01	-0.08	1.11e-03	0.0	3.00e-04
1961	208	7.21	2.36	-0.03	-3.75e-04	0.0	-5.50e-04
1961	210	-5.63	1.69	-0.18	-2.82e-04	0.0	4.24e-04
1961	235	-4.07	-6.98	-0.07	1.29e-03	0.0	3.59e-04
1962	4	0.16	0.51	-0.16	-8.35e-06	0.0	-3.03e-06
1962	44	0.14	-1.12	-0.14	1.99e-04	0.0	-3.15e-06
1962	52	0.16	-0.10	-0.16	7.32e-05	0.0	-3.84e-06
1962	68	0.11	0.34	-0.12	-2.90e-06	0.0	-2.24e-06
1962	88	0.10	-0.75	-0.10	1.35e-04	0.0	-2.32e-06
1962	92	0.11	-0.07	-0.12	5.14e-05	0.0	-2.79e-06
1962	98	0.09	-0.06	-0.10	4.27e-05	0.0	-2.49e-06
1962	105	0.09	-0.19	-0.10	5.87e-05	0.0	-2.36e-06
1962	107	0.09	-0.05	-0.10	4.07e-05	0.0	-2.41e-06
1962	112	6.08	1.96	-0.05	-2.59e-04	0.0	-4.49e-04
1962	114	-4.67	1.41	-0.17	-1.91e-04	0.0	3.46e-04
1962	135	-3.56	-5.93	-0.09	9.37e-04	0.0	2.80e-04
1962	144	6.84	2.21	-0.04	-2.97e-04	0.0	-5.06e-04
1962	146	-5.28	1.59	-0.18	-2.20e-04	0.0	3.90e-04
1962	167	-4.03	-6.67	-0.09	1.05e-03	0.0	3.17e-04
1962	176	6.82	2.18	-0.04	-2.91e-04	0.0	-5.01e-04
1962	178	-5.26	1.57	-0.18	-2.17e-04	0.0	3.85e-04
1962	203	-3.76	-6.57	-0.08	1.03e-03	0.0	3.24e-04
1962	208	7.99	2.54	-0.03	-3.45e-04	0.0	-5.87e-04
1962	210	-6.19	1.83	-0.19	-2.59e-04	0.0	4.50e-04
1962	235	-4.47	-7.64	-0.08	1.20e-03	0.0	3.87e-04
1963	4	0.22	0.52	-0.17	-8.58e-06	0.0	-3.37e-06
1963	44	0.19	-1.22	-0.15	1.99e-04	0.0	-3.28e-06
1963	52	0.22	-0.14	-0.17	7.31e-05	0.0	-4.16e-06
1963	68	0.15	0.34	-0.12	-3.05e-06	0.0	-2.49e-06
1963	88	0.14	-0.82	-0.11	1.35e-04	0.0	-2.43e-06
1963	92	0.15	-0.10	-0.12	5.14e-05	0.0	-3.02e-06
1963	98	0.13	-0.08	-0.11	4.26e-05	0.0	-2.70e-06
1963	105	0.12	-0.22	-0.10	5.87e-05	0.0	-2.55e-06
1963	107	0.12	-0.08	-0.10	4.07e-05	0.0	-2.62e-06
1963	112	6.68	2.09	-0.05	-2.34e-04	0.0	-4.76e-04
1963	114	-5.09	1.51	-0.18	-1.72e-04	0.0	3.66e-04
1963	135	-3.89	-6.40	-0.09	8.62e-04	0.0	2.98e-04
1963	144	7.51	2.36	-0.04	-2.68e-04	0.0	-5.36e-04
1963	146	-5.75	1.70	-0.19	-1.98e-04	0.0	4.13e-04
1963	167	-4.40	-7.19	-0.09	9.64e-04	0.0	3.36e-04
1963	176	7.49	2.32	-0.05	-2.63e-04	0.0	-5.31e-04
1963	178	-5.73	1.68	-0.19	-1.95e-04	0.0	4.07e-04
1963	203	-4.09	-7.09	-0.09	9.51e-04	0.0	3.44e-04
1963	208	8.76	2.72	-0.04	-3.13e-04	0.0	-6.21e-04
1963	210	-6.74	1.96	-0.20	-2.33e-04	0.0	4.75e-04
1963	235	-4.86	-8.24	-0.08	1.10e-03	0.0	4.11e-04
1964	4	0.05	0.50	-0.13	-8.53e-06	0.0	-2.56e-06
1964	44	0.05	-0.91	-0.12	1.98e-04	0.0	-3.11e-06
1964	52	0.06	-0.02	-0.13	7.27e-05	0.0	-3.46e-06
1964	68	0.04	0.33	-0.10	-3.01e-06	0.0	-1.89e-06
1964	88	0.03	-0.61	-0.09	1.35e-04	0.0	-2.25e-06
1964	92	0.04	-0.02	-0.10	5.11e-05	0.0	-2.49e-06
1964	98	0.03	-0.01	-0.08	4.25e-05	0.0	-2.18e-06
1964	105	0.03	-0.13	-0.08	5.84e-05	0.0	-2.10e-06
1964	107	0.03	-0.01	-0.08	4.05e-05	0.0	-2.11e-06
1964	112	4.87	1.46	-0.06	-2.68e-04	0.0	-3.89e-04
1964	114	-3.83	1.37	-0.11	-2.44e-04	0.0	3.04e-04
1964	127	0.32	-4.81	-0.08	1.04e-03	0.0	-2.70e-05
1964	144	5.49	1.65	-0.06	-3.06e-04	0.0	-4.38e-04
1964	146	-4.32	1.54	-0.12	-2.79e-04	0.0	3.43e-04
1964	159	0.36	-5.40	-0.08	1.16e-03	0.0	-3.06e-05
1964	176	5.48	1.62	-0.06	-3.01e-04	0.0	-4.35e-04
1964	178	-4.32	1.52	-0.12	-2.74e-04	0.0	3.39e-04
1964	191	0.36	-5.32	-0.08	1.14e-03	0.0	-3.22e-05
1964	208	6.44	1.89	-0.05	-3.56e-04	0.0	-5.10e-04
1964	210	-5.08	1.77	-0.12	-3.25e-04	0.0	3.97e-04
1964	223	0.42	-6.18	-0.08	1.32e-03	0.0	-3.95e-05

1965	4	0.10	0.51	-0.15	-8.28e-06	0.0	-2.19e-06
1965	44	0.09	-1.01	-0.13	1.99e-04	0.0	-2.97e-06
1965	52	0.11	-0.06	-0.15	7.31e-05	0.0	-3.29e-06
1965	68	0.07	0.34	-0.11	-2.84e-06	0.0	-1.65e-06
1965	88	0.07	-0.68	-0.10	1.35e-04	0.0	-2.17e-06
1965	92	0.07	-0.04	-0.11	5.14e-05	0.0	-2.38e-06
1965	98	0.06	-0.04	-0.09	4.27e-05	0.0	-2.12e-06
1965	105	0.06	-0.16	-0.09	5.86e-05	0.0	-2.06e-06
1965	107	0.06	-0.03	-0.09	4.07e-05	0.0	-2.06e-06
1965	112	5.47	1.60	-0.07	-2.53e-04	0.0	-4.19e-04
1965	114	-4.25	1.50	-0.13	-2.31e-04	0.0	3.26e-04
1965	127	0.40	-5.34	-0.09	9.90e-04	0.0	-2.95e-05
1965	144	6.16	1.80	-0.06	-2.89e-04	0.0	-4.72e-04
1965	146	-4.80	1.69	-0.13	-2.65e-04	0.0	3.67e-04
1965	159	0.44	-6.00	-0.09	1.11e-03	0.0	-3.34e-05
1965	176	6.15	1.78	-0.07	-2.84e-04	0.0	-4.68e-04
1965	178	-4.79	1.66	-0.13	-2.60e-04	0.0	3.62e-04
1965	191	0.44	-5.91	-0.09	1.09e-03	0.0	-3.48e-05
1965	208	7.21	2.07	-0.06	-3.37e-04	0.0	-5.48e-04
1965	210	-5.63	1.94	-0.14	-3.09e-04	0.0	4.23e-04
1965	223	0.51	-6.87	-0.09	1.26e-03	0.0	-4.26e-05
1966	4	0.16	0.51	-0.16	-8.10e-06	0.0	-2.24e-06
1966	44	0.14	-1.12	-0.14	1.99e-04	0.0	-3.05e-06
1966	52	0.16	-0.10	-0.16	7.34e-05	0.0	-3.45e-06
1966	68	0.11	0.34	-0.12	-2.71e-06	0.0	-1.70e-06
1966	88	0.10	-0.75	-0.10	1.35e-04	0.0	-2.24e-06
1966	92	0.11	-0.07	-0.11	5.16e-05	0.0	-2.50e-06
1966	98	0.09	-0.06	-0.10	4.28e-05	0.0	-2.25e-06
1966	105	0.09	-0.19	-0.10	5.88e-05	0.0	-2.17e-06
1966	107	0.09	-0.06	-0.10	4.09e-05	0.0	-2.19e-06
1966	112	6.08	1.73	-0.07	-2.32e-04	0.0	-4.47e-04
1966	114	-4.67	1.62	-0.14	-2.13e-04	0.0	3.46e-04
1966	127	0.48	-5.84	-0.10	9.25e-04	0.0	-3.24e-05
1966	144	6.84	1.95	-0.07	-2.66e-04	0.0	-5.04e-04
1966	146	-5.28	1.82	-0.14	-2.45e-04	0.0	3.90e-04
1966	159	0.53	-6.57	-0.10	1.03e-03	0.0	-3.67e-05
1966	176	6.82	1.92	-0.07	-2.61e-04	0.0	-4.99e-04
1966	178	-5.26	1.80	-0.14	-2.40e-04	0.0	3.84e-04
1966	191	0.53	-6.47	-0.10	1.02e-03	0.0	-3.79e-05
1966	208	7.99	2.24	-0.06	-3.10e-04	0.0	-5.84e-04
1966	210	-6.19	2.09	-0.15	-2.86e-04	0.0	4.49e-04
1966	223	0.61	-7.51	-0.10	1.18e-03	0.0	-4.63e-05
1967	4	0.21	0.52	-0.17	-8.14e-06	0.0	-2.68e-06
1967	44	0.19	-1.22	-0.15	1.99e-04	0.0	-3.32e-06
1967	52	0.22	-0.14	-0.17	7.35e-05	0.0	-3.89e-06
1967	68	0.15	0.34	-0.12	-2.73e-06	0.0	-2.02e-06
1967	88	0.13	-0.82	-0.11	1.36e-04	0.0	-2.45e-06
1967	92	0.15	-0.10	-0.12	5.17e-05	0.0	-2.83e-06
1967	98	0.13	-0.08	-0.11	4.29e-05	0.0	-2.54e-06
1967	105	0.12	-0.22	-0.10	5.89e-05	0.0	-2.44e-06
1967	107	0.12	-0.08	-0.10	4.09e-05	0.0	-2.47e-06
1967	112	6.67	1.84	-0.07	-2.10e-04	0.0	-4.74e-04
1967	114	-5.08	1.72	-0.14	-1.94e-04	0.0	3.66e-04
1967	127	0.57	-6.31	-0.10	8.53e-04	0.0	-3.59e-05
1967	144	7.50	2.08	-0.07	-2.41e-04	0.0	-5.34e-04
1967	146	-5.74	1.95	-0.15	-2.23e-04	0.0	4.12e-04
1967	159	0.62	-7.09	-0.10	9.54e-04	0.0	-4.06e-05
1967	176	7.47	2.05	-0.07	-2.36e-04	0.0	-5.28e-04
1967	178	-5.72	1.92	-0.15	-2.19e-04	0.0	4.06e-04
1967	191	0.62	-6.98	-0.10	9.40e-04	0.0	-4.19e-05
1967	208	8.74	2.39	-0.07	-2.81e-04	0.0	-6.18e-04
1967	210	-6.73	2.24	-0.16	-2.61e-04	0.0	4.74e-04
1967	223	0.70	-8.10	-0.10	1.09e-03	0.0	-5.11e-05
1968	4	0.05	0.50	-0.14	-9.23e-06	0.0	-2.02e-06
1968	28	0.06	-0.56	-0.14	1.53e-04	0.0	-2.92e-06
1968	44	0.05	-0.91	-0.13	1.98e-04	0.0	-2.57e-06
1968	68	0.04	0.33	-0.10	-3.48e-06	0.0	-1.50e-06
1968	80	0.04	-0.37	-0.10	1.05e-04	0.0	-2.10e-06
1968	88	0.03	-0.61	-0.09	1.35e-04	0.0	-1.87e-06
1968	98	0.03	-0.01	-0.09	4.23e-05	0.0	-1.89e-06
1968	105	0.03	-0.13	-0.09	5.83e-05	0.0	-1.81e-06
1968	107	0.03	-0.01	-0.09	4.04e-05	0.0	-1.83e-06
1968	112	4.87	1.25	-0.08	-2.75e-04	0.0	-3.88e-04
1968	114	-3.83	1.57	-0.10	-2.27e-04	0.0	3.04e-04
1968	129	2.73	-4.86	-0.08	1.03e-03	0.0	-2.37e-04

1968	144	5.49	1.41	-0.08	-3.14e-04	0.0	-4.37e-04
1968	146	-4.33	1.77	-0.11	-2.60e-04	0.0	3.42e-04
1968	161	3.08	-5.47	-0.08	1.15e-03	0.0	-2.67e-04
1968	176	5.48	1.38	-0.08	-3.07e-04	0.0	-4.34e-04
1968	178	-4.32	1.74	-0.11	-2.57e-04	0.0	3.39e-04
1968	193	3.11	-5.39	-0.08	1.13e-03	0.0	-2.70e-04
1968	208	6.44	1.61	-0.07	-3.63e-04	0.0	-5.09e-04
1968	210	-5.08	2.02	-0.11	-3.06e-04	0.0	3.96e-04
1968	225	3.69	-6.27	-0.08	1.31e-03	0.0	-3.22e-04
1969	4	0.10	0.51	-0.16	-8.51e-06	0.0	-1.31e-06
1969	44	0.09	-1.01	-0.14	1.99e-04	0.0	-2.73e-06
1969	52	0.10	-0.06	-0.16	7.31e-05	0.0	-2.83e-06
1969	68	0.07	0.33	-0.12	-2.98e-06	0.0	-1.04e-06
1969	88	0.07	-0.68	-0.10	1.35e-04	0.0	-1.99e-06
1969	92	0.07	-0.04	-0.12	5.14e-05	0.0	-2.05e-06
1969	98	0.06	-0.04	-0.10	4.27e-05	0.0	-1.84e-06
1969	105	0.06	-0.16	-0.10	5.87e-05	0.0	-1.80e-06
1969	107	0.06	-0.04	-0.10	4.08e-05	0.0	-1.78e-06
1969	112	5.47	1.37	-0.09	-2.61e-04	0.0	-4.17e-04
1969	114	-4.25	1.71	-0.12	-2.15e-04	0.0	3.24e-04
1969	129	3.08	-5.40	-0.09	9.97e-04	0.0	-2.54e-04
1969	144	6.16	1.54	-0.08	-2.98e-04	0.0	-4.70e-04
1969	146	-4.80	1.93	-0.12	-2.47e-04	0.0	3.66e-04
1969	161	3.47	-6.07	-0.09	1.12e-03	0.0	-2.87e-04
1969	176	6.15	1.52	-0.08	-2.92e-04	0.0	-4.66e-04
1969	178	-4.79	1.90	-0.12	-2.43e-04	0.0	3.61e-04
1969	193	3.50	-5.99	-0.09	1.10e-03	0.0	-2.90e-04
1969	208	7.21	1.77	-0.08	-3.45e-04	0.0	-5.46e-04
1969	210	-5.63	2.21	-0.12	-2.90e-04	0.0	4.22e-04
1969	225	4.14	-6.96	-0.09	1.27e-03	0.0	-3.45e-04
1970	4	0.16	0.51	-0.17	-7.81e-06	0.0	-1.12e-06
1970	44	0.14	-1.12	-0.15	1.99e-04	0.0	-2.99e-06
1970	52	0.16	-0.10	-0.17	7.38e-05	0.0	-2.95e-06
1970	68	0.11	0.34	-0.13	-2.49e-06	0.0	0.0
1970	88	0.10	-0.75	-0.11	1.36e-04	0.0	-2.18e-06
1970	92	0.11	-0.07	-0.12	5.19e-05	0.0	-2.15e-06
1970	98	0.09	-0.06	-0.11	4.31e-05	0.0	-1.95e-06
1970	105	0.09	-0.19	-0.10	5.91e-05	0.0	-1.94e-06
1970	107	0.09	-0.06	-0.10	4.11e-05	0.0	-1.90e-06
1970	112	6.08	1.48	-0.09	-2.41e-04	0.0	-4.45e-04
1970	114	-4.67	1.84	-0.13	-1.98e-04	0.0	3.44e-04
1970	129	3.44	-5.91	-0.09	9.34e-04	0.0	-2.72e-04
1970	144	6.83	1.67	-0.09	-2.76e-04	0.0	-5.01e-04
1970	146	-5.28	2.07	-0.13	-2.28e-04	0.0	3.88e-04
1970	161	3.86	-6.64	-0.09	1.04e-03	0.0	-3.07e-04
1970	176	6.82	1.64	-0.09	-2.70e-04	0.0	-4.96e-04
1970	178	-5.26	2.04	-0.13	-2.25e-04	0.0	3.82e-04
1970	193	3.89	-6.55	-0.09	1.03e-03	0.0	-3.09e-04
1970	208	7.98	1.92	-0.09	-3.21e-04	0.0	-5.81e-04
1970	210	-6.19	2.38	-0.13	-2.68e-04	0.0	4.47e-04
1970	225	4.60	-7.60	-0.09	1.19e-03	0.0	-3.67e-04
1971	4	0.21	0.51	-0.18	-7.45e-06	0.0	-1.57e-06
1971	44	0.18	-1.22	-0.16	2.00e-04	0.0	-3.38e-06
1971	52	0.21	-0.14	-0.18	7.42e-05	0.0	-3.43e-06
1971	68	0.15	0.34	-0.13	-2.23e-06	0.0	-1.26e-06
1971	88	0.13	-0.82	-0.12	1.36e-04	0.0	-2.47e-06
1971	92	0.15	-0.10	-0.13	5.22e-05	0.0	-2.51e-06
1971	98	0.12	-0.08	-0.11	4.33e-05	0.0	-2.27e-06
1971	105	0.12	-0.23	-0.11	5.93e-05	0.0	-2.24e-06
1971	107	0.12	-0.08	-0.11	4.13e-05	0.0	-2.21e-06
1971	112	6.66	1.58	-0.10	-1.80e-04	0.0	-4.72e-04
1971	114	-5.08	1.96	-0.13	-2.20e-04	0.0	3.64e-04
1971	129	3.78	-6.38	-0.10	8.65e-04	0.0	-2.90e-04
1971	144	7.49	1.78	-0.09	-2.07e-04	0.0	-5.31e-04
1971	146	-5.74	2.21	-0.14	-2.53e-04	0.0	4.10e-04
1971	161	4.25	-7.17	-0.10	9.67e-04	0.0	-3.27e-04
1971	176	7.46	1.75	-0.09	-2.04e-04	0.0	-5.25e-04
1971	178	-5.71	2.18	-0.14	-2.48e-04	0.0	4.04e-04
1971	193	4.27	-7.06	-0.10	9.53e-04	0.0	-3.29e-04
1971	208	8.73	2.05	-0.09	-2.44e-04	0.0	-6.15e-04
1971	210	-6.73	2.54	-0.14	-2.95e-04	0.0	4.71e-04
1971	225	5.04	-8.20	-0.09	1.10e-03	0.0	-3.91e-04
1972	4	0.05	0.50	-0.17	-1.04e-05	0.0	-1.75e-06
1972	28	0.05	-0.56	-0.17	1.53e-04	0.0	-2.73e-06
1972	44	0.05	-0.91	-0.15	1.99e-04	0.0	-2.29e-06

1972	68	0.04	0.33	-0.12	-4.24e-06	0.0	-1.31e-06
1972	80	0.04	-0.37	-0.12	1.05e-04	0.0	-1.96e-06
1972	88	0.03	-0.61	-0.11	1.35e-04	0.0	-1.67e-06
1972	98	0.03	-0.02	-0.10	4.22e-05	0.0	-1.80e-06
1972	105	0.03	-0.13	-0.10	5.83e-05	0.0	-1.69e-06
1972	107	0.03	-0.02	-0.10	4.03e-05	0.0	-1.73e-06
1972	112	4.87	1.05	-0.10	-2.97e-04	0.0	-3.87e-04
1972	129	2.73	-4.94	-0.09	1.05e-03	0.0	-2.35e-04
1972	134	0.35	4.81	-0.11	-8.99e-04	0.0	-3.26e-05
1972	144	5.49	1.18	-0.10	-3.39e-04	0.0	-4.36e-04
1972	161	3.08	-5.56	-0.09	1.18e-03	0.0	-2.66e-04
1972	166	0.39	5.41	-0.12	-1.02e-03	0.0	-3.70e-05
1972	176	5.48	1.15	-0.10	-3.31e-04	0.0	-4.33e-04
1972	193	3.11	-5.49	-0.09	1.16e-03	0.0	-2.69e-04
1972	198	0.40	5.32	-0.12	-9.99e-04	0.0	-3.94e-05
1972	208	6.44	1.34	-0.10	-3.91e-04	0.0	-5.07e-04
1972	225	3.69	-6.38	-0.09	1.34e-03	0.0	-3.20e-04
1972	230	0.46	6.19	-0.12	-1.17e-03	0.0	-4.84e-05
1973	4	0.10	0.51	-0.19	-9.11e-06	0.0	0.0
1973	44	0.09	-1.02	-0.17	1.99e-04	0.0	-2.86e-06
1973	52	0.10	-0.07	-0.19	7.31e-05	0.0	-2.75e-06
1973	68	0.07	0.33	-0.14	-3.36e-06	0.0	0.0
1973	88	0.06	-0.68	-0.12	1.36e-04	0.0	-2.06e-06
1973	92	0.07	-0.05	-0.14	5.14e-05	0.0	-1.99e-06
1973	98	0.06	-0.04	-0.12	4.28e-05	0.0	-1.75e-06
1973	105	0.06	-0.16	-0.11	5.88e-05	0.0	-1.74e-06
1973	107	0.06	-0.04	-0.11	4.08e-05	0.0	-1.70e-06
1973	112	5.47	1.15	-0.11	-2.83e-04	0.0	-4.15e-04
1973	129	3.08	-5.49	-0.10	1.01e-03	0.0	-2.52e-04
1973	134	0.43	5.29	-0.13	-8.59e-04	0.0	-4.02e-05
1973	144	6.16	1.30	-0.11	-3.23e-04	0.0	-4.68e-04
1973	161	3.47	-6.17	-0.10	1.13e-03	0.0	-2.84e-04
1973	166	0.48	5.95	-0.13	-9.71e-04	0.0	-4.55e-05
1973	176	6.15	1.27	-0.11	-3.16e-04	0.0	-4.64e-04
1973	193	3.50	-6.09	-0.10	1.11e-03	0.0	-2.87e-04
1973	198	0.48	5.86	-0.13	-9.55e-04	0.0	-4.82e-05
1973	208	7.21	1.48	-0.11	-3.73e-04	0.0	-5.43e-04
1973	225	4.14	-7.08	-0.10	1.29e-03	0.0	-3.42e-04
1973	230	0.56	6.81	-0.13	-1.12e-03	0.0	-5.90e-05
1974	4	0.16	0.51	-0.21	-7.68e-06	0.0	0.0
1974	44	0.14	-1.12	-0.18	2.00e-04	0.0	-3.19e-06
1974	52	0.16	-0.10	-0.20	7.42e-05	0.0	-2.54e-06
1974	68	0.11	0.34	-0.15	-2.37e-06	0.0	0.0
1974	88	0.10	-0.75	-0.13	1.36e-04	0.0	-2.29e-06
1974	92	0.11	-0.07	-0.15	5.22e-05	0.0	-1.86e-06
1974	98	0.09	-0.06	-0.13	4.34e-05	0.0	-1.69e-06
1974	105	0.09	-0.20	-0.12	5.93e-05	0.0	-1.76e-06
1974	107	0.09	-0.06	-0.12	4.14e-05	0.0	-1.65e-06
1974	112	6.07	1.24	-0.12	-2.64e-04	0.0	-4.42e-04
1974	129	3.43	-6.00	-0.11	9.46e-04	0.0	-2.69e-04
1974	134	0.52	5.74	-0.14	-8.05e-04	0.0	-4.61e-05
1974	144	6.83	1.40	-0.12	-3.02e-04	0.0	-4.98e-04
1974	161	3.86	-6.74	-0.11	1.06e-03	0.0	-3.04e-04
1974	166	0.57	6.46	-0.14	-9.10e-04	0.0	-5.22e-05
1974	176	6.81	1.38	-0.12	-2.95e-04	0.0	-4.94e-04
1974	193	3.89	-6.65	-0.11	1.04e-03	0.0	-3.06e-04
1974	198	0.57	6.36	-0.14	-8.95e-04	0.0	-5.51e-05
1974	208	7.98	1.61	-0.11	-3.49e-04	0.0	-5.78e-04
1974	225	4.60	-7.73	-0.10	1.21e-03	0.0	-3.64e-04
1974	230	0.66	7.40	-0.14	-1.05e-03	0.0	-6.72e-05
1975	4	0.21	0.51	-0.22	-6.57e-06	0.0	0.0
1975	44	0.18	-1.23	-0.19	2.00e-04	0.0	-3.45e-06
1975	52	0.21	-0.14	-0.21	7.49e-05	0.0	-2.69e-06
1975	68	0.15	0.34	-0.16	-1.61e-06	0.0	0.0
1975	88	0.13	-0.82	-0.13	1.36e-04	0.0	-2.49e-06
1975	92	0.15	-0.10	-0.15	5.27e-05	0.0	-1.98e-06
1975	98	0.12	-0.08	-0.13	4.38e-05	0.0	-1.83e-06
1975	105	0.12	-0.23	-0.13	5.97e-05	0.0	-1.92e-06
1975	107	0.12	-0.08	-0.13	4.18e-05	0.0	-1.79e-06
1975	112	6.65	1.33	-0.12	-1.53e-04	0.0	-4.69e-04
1975	129	3.77	-6.48	-0.11	8.80e-04	0.0	-2.87e-04
1975	134	0.60	6.16	-0.15	-7.73e-04	0.0	-4.99e-05
1975	144	7.48	1.50	-0.12	-1.77e-04	0.0	-5.28e-04
1975	161	4.24	-7.27	-0.11	9.85e-04	0.0	-3.24e-04
1975	166	0.66	6.94	-0.15	-8.74e-04	0.0	-5.65e-05

1975	176	7.45	1.48	-0.12	-1.75e-04	0.0	-5.23e-04
1975	193	4.27	-7.18	-0.11	9.72e-04	0.0	-3.25e-04
1975	198	0.66	6.82	-0.15	-8.59e-04	0.0	-5.95e-05
1975	208	8.73	1.73	-0.12	-2.10e-04	0.0	-6.12e-04
1975	225	5.04	-8.34	-0.11	1.12e-03	0.0	-3.87e-04
1975	230	0.75	7.94	-0.15	-1.00e-03	0.0	-7.26e-05
1976	4	0.05	0.50	-0.22	-1.18e-05	0.0	-2.32e-06
1976	28	0.05	-0.56	-0.21	1.54e-04	0.0	-3.30e-06
1976	44	0.05	-0.91	-0.18	2.00e-04	0.0	-2.61e-06
1976	68	0.04	0.33	-0.16	-5.14e-06	0.0	-1.69e-06
1976	80	0.04	-0.38	-0.15	1.05e-04	0.0	-2.35e-06
1976	88	0.03	-0.61	-0.13	1.36e-04	0.0	-1.88e-06
1976	98	0.03	-0.02	-0.13	4.22e-05	0.0	-2.17e-06
1976	105	0.03	-0.13	-0.12	5.85e-05	0.0	-1.99e-06
1976	107	0.03	-0.02	-0.13	4.03e-05	0.0	-2.07e-06
1976	112	4.87	0.84	-0.13	-3.18e-04	0.0	-3.86e-04
1976	129	2.73	-5.02	-0.11	1.06e-03	0.0	-2.34e-04
1976	130	-2.67	4.99	-0.14	-9.75e-04	0.0	2.29e-04
1976	144	5.49	0.95	-0.13	-3.63e-04	0.0	-4.35e-04
1976	161	3.08	-5.65	-0.11	1.18e-03	0.0	-2.64e-04
1976	162	-3.02	5.62	-0.15	-1.10e-03	0.0	2.60e-04
1976	176	5.48	0.93	-0.13	-3.54e-04	0.0	-4.32e-04
1976	193	3.11	-5.58	-0.11	1.17e-03	0.0	-2.67e-04
1976	194	-3.05	5.55	-0.15	-1.09e-03	0.0	2.62e-04
1976	208	6.44	1.07	-0.13	-4.16e-04	0.0	-5.07e-04
1976	225	3.69	-6.50	-0.10	1.35e-03	0.0	-3.18e-04
1976	226	-3.63	6.46	-0.15	-1.27e-03	0.0	3.14e-04
1977	4	0.10	0.51	-0.25	-1.03e-05	0.0	0.0
1977	28	0.10	-0.64	-0.24	1.54e-04	0.0	-3.94e-06
1977	44	0.09	-1.02	-0.21	2.00e-04	0.0	-3.76e-06
1977	68	0.07	0.33	-0.18	-4.17e-06	0.0	0.0
1977	80	0.07	-0.43	-0.17	1.06e-04	0.0	-2.79e-06
1977	88	0.06	-0.68	-0.15	1.36e-04	0.0	-2.67e-06
1977	98	0.06	-0.04	-0.15	4.27e-05	0.0	-2.19e-06
1977	105	0.06	-0.17	-0.14	5.88e-05	0.0	-2.17e-06
1977	107	0.06	-0.04	-0.14	4.07e-05	0.0	-2.10e-06
1977	112	5.47	0.93	-0.14	-3.05e-04	0.0	-4.14e-04
1977	129	3.08	-5.57	-0.12	1.02e-03	0.0	-2.50e-04
1977	130	-2.96	5.49	-0.16	-9.34e-04	0.0	2.46e-04
1977	144	6.16	1.05	-0.14	-3.48e-04	0.0	-4.66e-04
1977	161	3.47	-6.26	-0.12	1.14e-03	0.0	-2.82e-04
1977	162	-3.35	6.18	-0.16	-1.06e-03	0.0	2.78e-04
1977	176	6.15	1.03	-0.14	-3.40e-04	0.0	-4.63e-04
1977	193	3.50	-6.18	-0.12	1.12e-03	0.0	-2.84e-04
1977	194	-3.38	6.11	-0.16	-1.04e-03	0.0	2.80e-04
1977	208	7.21	1.19	-0.14	-4.00e-04	0.0	-5.42e-04
1977	225	4.14	-7.19	-0.11	1.30e-03	0.0	-3.38e-04
1977	226	-4.03	7.12	-0.17	-1.22e-03	0.0	3.34e-04
1978	4	0.16	0.51	-0.26	-8.26e-06	0.0	1.20e-06
1978	44	0.14	-1.12	-0.22	2.00e-04	0.0	-3.92e-06
1978	52	0.16	-0.10	-0.26	7.40e-05	0.0	-2.62e-06
1978	68	0.11	0.34	-0.19	-2.74e-06	0.0	0.0
1978	88	0.10	-0.75	-0.16	1.36e-04	0.0	-2.77e-06
1978	92	0.11	-0.07	-0.18	5.21e-05	0.0	-1.90e-06
1978	98	0.09	-0.06	-0.16	4.34e-05	0.0	-1.69e-06
1978	105	0.09	-0.20	-0.15	5.94e-05	0.0	-1.85e-06
1978	107	0.09	-0.06	-0.15	4.14e-05	0.0	-1.65e-06
1978	112	6.07	1.01	-0.15	-2.87e-04	0.0	-4.41e-04
1978	129	3.43	-6.08	-0.13	9.59e-04	0.0	-2.66e-04
1978	130	-3.26	5.97	-0.17	-8.76e-04	0.0	2.63e-04
1978	144	6.83	1.14	-0.15	-3.28e-04	0.0	-4.97e-04
1978	161	3.86	-6.84	-0.13	1.07e-03	0.0	-3.01e-04
1978	162	-3.69	6.72	-0.18	-9.91e-04	0.0	2.97e-04
1978	176	6.81	1.12	-0.15	-3.20e-04	0.0	-4.93e-04
1978	193	3.89	-6.75	-0.13	1.06e-03	0.0	-3.02e-04
1978	194	-3.72	6.64	-0.17	-9.76e-04	0.0	2.99e-04
1978	208	7.98	1.30	-0.15	-3.78e-04	0.0	-5.77e-04
1978	225	4.60	-7.86	-0.12	1.23e-03	0.0	-3.60e-04
1978	226	-4.42	7.74	-0.18	-1.14e-03	0.0	3.57e-04
1979	4	0.21	0.51	-0.28	-5.90e-06	0.0	2.48e-06
1979	44	0.18	-1.23	-0.23	2.01e-04	0.0	-3.58e-06
1979	52	0.21	-0.14	-0.27	7.54e-05	0.0	-1.63e-06
1979	68	0.15	0.34	-0.20	-1.13e-06	0.0	1.50e-06
1979	88	0.13	-0.82	-0.17	1.37e-04	0.0	-2.54e-06
1979	92	0.15	-0.10	-0.19	5.31e-05	0.0	-1.24e-06

1979	98	0.12	-0.08	-0.16	4.42e-05	0.0	-1.22e-06
1979	105	0.12	-0.23	-0.16	6.01e-05	0.0	-1.47e-06
1979	107	0.12	-0.08	-0.16	4.21e-05	0.0	-1.21e-06
1979	112	6.65	1.08	-0.16	-1.26e-04	0.0	-4.68e-04
1979	129	3.77	-6.57	-0.13	8.98e-04	0.0	-2.84e-04
1979	130	-3.54	6.41	-0.18	-8.13e-04	0.0	2.82e-04
1979	144	7.48	1.22	-0.16	-1.47e-04	0.0	-5.27e-04
1979	161	4.24	-7.38	-0.13	1.00e-03	0.0	-3.21e-04
1979	162	-4.01	7.22	-0.18	-9.20e-04	0.0	3.18e-04
1979	176	7.45	1.20	-0.16	-1.45e-04	0.0	-5.21e-04
1979	193	4.27	-7.29	-0.13	9.91e-04	0.0	-3.22e-04
1979	194	-4.03	7.13	-0.18	-9.07e-04	0.0	3.20e-04
1979	208	8.72	1.40	-0.16	-1.76e-04	0.0	-6.10e-04
1979	225	5.03	-8.48	-0.13	1.15e-03	0.0	-3.83e-04
1979	226	-4.80	8.31	-0.19	-1.06e-03	0.0	3.81e-04
1980	4	0.05	0.50	-0.30	-1.29e-05	0.0	-4.19e-06
1980	28	0.05	-0.56	-0.28	1.55e-04	0.0	-4.96e-06
1980	44	0.04	-0.91	-0.25	2.02e-04	0.0	-3.74e-06
1980	68	0.03	0.33	-0.21	-5.85e-06	0.0	-2.98e-06
1980	80	0.04	-0.38	-0.20	1.06e-04	0.0	-3.49e-06
1980	88	0.03	-0.61	-0.18	1.37e-04	0.0	-2.67e-06
1980	98	0.03	-0.02	-0.17	4.28e-05	0.0	-3.22e-06
1980	105	0.03	-0.14	-0.16	5.92e-05	0.0	-2.90e-06
1980	107	0.03	-0.02	-0.16	4.08e-05	0.0	-3.06e-06
1980	112	4.87	0.64	-0.18	-3.37e-04	0.0	-3.87e-04
1980	128	-0.46	4.60	-0.20	-9.11e-04	0.0	1.58e-05
1980	129	2.73	-5.09	-0.14	1.06e-03	0.0	-2.33e-04
1980	144	5.49	0.72	-0.18	-3.84e-04	0.0	-4.35e-04
1980	160	-0.52	5.17	-0.20	-1.03e-03	0.0	1.81e-05
1980	161	3.08	-5.73	-0.13	1.18e-03	0.0	-2.63e-04
1980	176	5.48	0.70	-0.18	-3.73e-04	0.0	-4.33e-04
1980	192	-0.49	5.10	-0.20	-1.02e-03	0.0	1.55e-05
1980	193	3.11	-5.67	-0.13	1.17e-03	0.0	-2.66e-04
1980	208	6.43	0.81	-0.18	-4.39e-04	0.0	-5.07e-04
1980	224	-0.54	5.92	-0.21	-1.19e-03	0.0	1.66e-05
1980	225	3.69	-6.60	-0.13	1.35e-03	0.0	-3.16e-04
1981	4	0.10	0.50	-0.33	-1.26e-05	0.0	-2.28e-06
1981	28	0.10	-0.64	-0.32	1.54e-04	0.0	-6.12e-06
1981	44	0.09	-1.02	-0.28	2.01e-04	0.0	-5.62e-06
1981	68	0.07	0.33	-0.24	-5.64e-06	0.0	-1.72e-06
1981	80	0.07	-0.43	-0.23	1.06e-04	0.0	-4.28e-06
1981	88	0.06	-0.68	-0.20	1.37e-04	0.0	-3.95e-06
1981	98	0.06	-0.04	-0.19	4.24e-05	0.0	-3.33e-06
1981	105	0.06	-0.17	-0.18	5.88e-05	0.0	-3.24e-06
1981	107	0.06	-0.04	-0.19	4.05e-05	0.0	-3.17e-06
1981	112	5.47	0.71	-0.20	-3.27e-04	0.0	-4.16e-04
1981	128	-0.52	5.07	-0.22	-8.77e-04	0.0	1.75e-05
1981	129	3.08	-5.64	-0.15	1.02e-03	0.0	-2.50e-04
1981	144	6.16	0.80	-0.20	-3.73e-04	0.0	-4.68e-04
1981	160	-0.59	5.71	-0.23	-9.92e-04	0.0	1.99e-05
1981	161	3.47	-6.34	-0.15	1.14e-03	0.0	-2.82e-04
1981	176	6.14	0.78	-0.20	-3.63e-04	0.0	-4.65e-04
1981	192	-0.55	5.62	-0.23	-9.78e-04	0.0	1.64e-05
1981	193	3.50	-6.27	-0.15	1.13e-03	0.0	-2.83e-04
1981	208	7.21	0.91	-0.20	-4.27e-04	0.0	-5.44e-04
1981	224	-0.61	6.54	-0.23	-1.14e-03	0.0	1.70e-05
1981	225	4.14	-7.30	-0.14	1.31e-03	0.0	-3.37e-04
1982	4	0.16	0.51	-0.36	-1.06e-05	0.0	1.18e-06
1982	44	0.14	-1.12	-0.30	2.00e-04	0.0	-5.54e-06
1982	52	0.16	-0.11	-0.35	7.26e-05	0.0	-3.76e-06
1982	68	0.11	0.34	-0.25	-4.30e-06	0.0	0.0
1982	88	0.10	-0.75	-0.21	1.36e-04	0.0	-3.87e-06
1982	92	0.11	-0.07	-0.25	5.11e-05	0.0	-2.68e-06
1982	98	0.09	-0.06	-0.21	4.26e-05	0.0	-2.29e-06
1982	105	0.09	-0.20	-0.20	5.89e-05	0.0	-2.49e-06
1982	107	0.09	-0.06	-0.20	4.07e-05	0.0	-2.20e-06
1982	112	6.07	0.77	-0.21	-1.13e-04	0.0	-4.43e-04
1982	128	-0.58	5.52	-0.24	-8.28e-04	0.0	2.05e-05
1982	129	3.43	-6.16	-0.16	9.73e-04	0.0	-2.66e-04
1982	144	6.83	0.88	-0.22	-1.32e-04	0.0	-4.99e-04
1982	160	-0.66	6.21	-0.24	-9.37e-04	0.0	2.33e-05
1982	161	3.86	-6.93	-0.16	1.09e-03	0.0	-3.00e-04
1982	176	6.81	0.86	-0.22	-1.31e-04	0.0	-4.95e-04
1982	192	-0.61	6.12	-0.24	-9.24e-04	0.0	1.93e-05
1982	193	3.89	-6.85	-0.16	1.08e-03	0.0	-3.02e-04

1982	208	7.98	1.00	-0.22	-1.59e-04	0.0	-5.79e-04
1982	224	-0.69	7.13	-0.25	-1.08e-03	0.0	2.01e-05
1982	225	4.60	-7.97	-0.15	1.25e-03	0.0	-3.59e-04
1983	4	0.21	0.52	-0.38	-6.49e-06	0.0	4.68e-06
1983	44	0.18	-1.23	-0.31	2.00e-04	0.0	-4.10e-06
1983	52	0.21	-0.14	-0.37	7.47e-05	0.0	0.0
1983	68	0.15	0.34	-0.27	-1.51e-06	0.0	2.99e-06
1983	88	0.13	-0.83	-0.22	1.36e-04	0.0	-2.86e-06
1983	92	0.15	-0.10	-0.26	5.26e-05	0.0	0.0
1983	98	0.12	-0.08	-0.22	4.38e-05	0.0	0.0
1983	105	0.12	-0.23	-0.21	5.98e-05	0.0	-1.19e-06
1983	107	0.12	-0.08	-0.21	4.19e-05	0.0	0.0
1983	112	6.65	0.83	-0.23	-1.00e-04	0.0	-4.68e-04
1983	128	-0.63	5.94	-0.25	-7.72e-04	0.0	2.46e-05
1983	129	3.77	-6.66	-0.17	9.18e-04	0.0	-2.83e-04
1983	144	7.48	0.94	-0.23	-1.18e-04	0.0	-5.28e-04
1983	160	-0.72	6.69	-0.26	-8.73e-04	0.0	2.76e-05
1983	161	4.24	-7.48	-0.16	1.03e-03	0.0	-3.20e-04
1983	176	7.45	0.92	-0.23	-1.17e-04	0.0	-5.23e-04
1983	192	-0.68	6.59	-0.26	-8.60e-04	0.0	2.39e-05
1983	193	4.27	-7.40	-0.16	1.01e-03	0.0	-3.21e-04
1983	208	8.73	1.08	-0.23	-1.43e-04	0.0	-6.12e-04
1983	224	-0.76	7.67	-0.26	-1.01e-03	0.0	2.53e-05
1983	225	5.03	-8.61	-0.16	1.17e-03	0.0	-3.82e-04
1984	4	0.05	0.49	-0.42	-1.33e-05	0.0	-7.00e-06
1984	28	0.05	-0.57	-0.40	1.59e-04	0.0	-7.18e-06
1984	44	0.04	-0.92	-0.34	2.05e-04	0.0	-5.24e-06
1984	68	0.03	0.33	-0.29	-6.05e-06	0.0	-4.91e-06
1984	80	0.03	-0.38	-0.28	1.09e-04	0.0	-5.02e-06
1984	88	0.03	-0.61	-0.24	1.40e-04	0.0	-3.73e-06
1984	98	0.03	-0.02	-0.24	4.39e-05	0.0	-4.67e-06
1984	105	0.03	-0.14	-0.22	6.05e-05	0.0	-4.15e-06
1984	107	0.03	-0.02	-0.23	4.19e-05	0.0	-4.42e-06
1984	112	4.87	0.43	-0.25	-3.49e-04	0.0	-3.90e-04
1984	124	-0.26	4.55	-0.29	-9.57e-04	0.0	1.67e-05
1984	129	2.73	-5.16	-0.17	1.04e-03	0.0	-2.34e-04
1984	144	5.48	0.49	-0.25	-3.98e-04	0.0	-4.39e-04
1984	156	-0.30	5.12	-0.29	-1.08e-03	0.0	1.97e-05
1984	161	3.07	-5.81	-0.17	1.17e-03	0.0	-2.64e-04
1984	176	5.48	0.47	-0.25	-3.87e-04	0.0	-4.36e-04
1984	188	-0.30	5.06	-0.29	-1.07e-03	0.0	2.02e-05
1984	193	3.11	-5.75	-0.17	1.15e-03	0.0	-2.67e-04
1984	208	6.43	0.54	-0.26	-4.54e-04	0.0	-5.11e-04
1984	220	-0.36	5.89	-0.30	-1.25e-03	0.0	2.60e-05
1984	225	3.69	-6.70	-0.16	1.33e-03	0.0	-3.17e-04
1985	4	0.10	0.50	-0.47	-1.59e-05	0.0	-4.43e-06
1985	28	0.10	-0.65	-0.45	1.54e-04	0.0	-8.74e-06
1985	44	0.09	-1.02	-0.38	2.02e-04	0.0	-7.80e-06
1985	68	0.07	0.33	-0.33	-7.90e-06	0.0	-3.20e-06
1985	80	0.07	-0.44	-0.32	1.06e-04	0.0	-6.07e-06
1985	88	0.06	-0.69	-0.27	1.37e-04	0.0	-5.45e-06
1985	98	0.06	-0.04	-0.27	4.17e-05	0.0	-4.74e-06
1985	105	0.06	-0.17	-0.25	5.84e-05	0.0	-4.56e-06
1985	107	0.06	-0.04	-0.26	3.99e-05	0.0	-4.49e-06
1985	112	5.47	0.49	-0.28	-9.20e-05	0.0	-4.21e-04
1985	124	-0.28	5.01	-0.32	-8.64e-04	0.0	2.04e-05
1985	129	3.08	-5.71	-0.19	1.02e-03	0.0	-2.54e-04
1985	144	6.16	0.55	-0.29	-1.08e-04	0.0	-4.74e-04
1985	156	-0.33	5.65	-0.33	-9.77e-04	0.0	2.38e-05
1985	161	3.47	-6.42	-0.19	1.14e-03	0.0	-2.86e-04
1985	176	6.14	0.53	-0.28	-1.09e-04	0.0	-4.71e-04
1985	188	-0.33	5.58	-0.33	-9.65e-04	0.0	2.34e-05
1985	193	3.50	-6.35	-0.19	1.13e-03	0.0	-2.88e-04
1985	208	7.21	0.61	-0.29	-1.34e-04	0.0	-5.52e-04
1985	220	-0.39	6.50	-0.34	-1.13e-03	0.0	2.94e-05
1985	225	4.14	-7.40	-0.18	1.31e-03	0.0	-3.42e-04
1986	4	0.16	0.51	-0.50	-1.54e-05	0.0	0.0
1986	44	0.14	-1.13	-0.41	1.99e-04	0.0	-8.18e-06
1986	52	0.16	-0.11	-0.49	6.90e-05	0.0	-6.36e-06
1986	68	0.11	0.34	-0.35	-7.57e-06	0.0	0.0
1986	88	0.10	-0.76	-0.29	1.35e-04	0.0	-5.68e-06
1986	92	0.11	-0.08	-0.35	4.87e-05	0.0	-4.47e-06
1986	98	0.09	-0.06	-0.29	4.07e-05	0.0	-3.70e-06
1986	105	0.09	-0.20	-0.27	5.73e-05	0.0	-3.87e-06
1986	107	0.09	-0.06	-0.27	3.90e-05	0.0	-3.52e-06

1986	112	6.07	0.54	-0.30	-8.60e-05	0.0	-4.49e-04
1986	124	-0.31	5.46	-0.35	-8.33e-04	0.0	-2.67e-04
1986	129	3.43	-6.23	-0.21	9.90e-04	0.0	1.99e-05
1986	144	6.83	0.61	-0.31	-1.01e-04	0.0	-5.05e-04
1986	156	-0.36	6.15	-0.35	-9.42e-04	0.0	-3.00e-04
1986	161	3.86	-7.01	-0.20	1.11e-03	0.0	2.26e-05
1986	176	6.81	0.59	-0.30	-1.01e-04	0.0	-5.02e-04
1986	188	-0.35	6.07	-0.35	-9.31e-04	0.0	-2.97e-04
1986	193	3.89	-6.93	-0.20	1.10e-03	0.0	1.79e-05
1986	208	7.98	0.69	-0.31	-1.25e-04	0.0	-5.88e-04
1986	220	-0.43	7.08	-0.37	-1.09e-03	0.0	-3.49e-04
1986	225	4.60	-8.08	-0.19	1.27e-03	0.0	1.81e-05
1987	4	0.21	0.52	-0.53	-1.01e-05	0.0	4.12e-06
1987	44	0.19	-1.23	-0.43	1.98e-04	0.0	-6.31e-06
1987	52	0.21	-0.14	-0.52	7.12e-05	0.0	-2.42e-06
1987	68	0.15	0.34	-0.37	-3.99e-06	0.0	2.58e-06
1987	88	0.13	-0.83	-0.31	1.35e-04	0.0	-4.37e-06
1987	92	0.15	-0.10	-0.36	5.02e-05	0.0	-1.78e-06
1987	98	0.12	-0.09	-0.30	4.20e-05	0.0	-1.63e-06
1987	105	0.12	-0.23	-0.28	5.82e-05	0.0	-2.13e-06
1987	107	0.12	-0.08	-0.29	4.01e-05	0.0	-1.59e-06
1987	112	6.66	0.58	-0.32	-7.66e-05	0.0	-4.73e-04
1987	124	-0.33	5.89	-0.37	-7.89e-04	0.0	2.74e-05
1987	129	3.78	-6.74	-0.22	9.48e-04	0.0	-2.86e-04
1987	144	7.49	0.66	-0.32	-9.09e-05	0.0	-5.33e-04
1987	156	-0.38	6.63	-0.38	-8.93e-04	0.0	3.13e-05
1987	161	4.25	-7.58	-0.21	1.06e-03	0.0	-3.23e-04
1987	176	7.46	0.65	-0.32	-9.06e-05	0.0	-5.29e-04
1987	188	-0.38	6.55	-0.37	-8.82e-04	0.0	3.14e-05
1987	193	4.27	-7.50	-0.21	1.05e-03	0.0	-3.24e-04
1987	208	8.73	0.75	-0.33	-1.12e-04	0.0	-6.20e-04
1987	220	-0.46	7.64	-0.39	-1.03e-03	0.0	3.87e-05
1987	225	5.04	-8.73	-0.19	1.21e-03	0.0	-3.86e-04
1988	4	0.05	0.49	-0.59	-7.02e-06	0.0	-8.10e-06
1988	28	0.05	-0.57	-0.56	1.66e-04	0.0	-7.57e-06
1988	44	0.04	-0.92	-0.48	2.12e-04	0.0	-5.21e-06
1988	68	0.03	0.32	-0.41	-1.65e-06	0.0	-5.64e-06
1988	80	0.03	-0.38	-0.39	1.14e-04	0.0	-5.29e-06
1988	88	0.03	-0.61	-0.34	1.44e-04	0.0	-3.71e-06
1988	98	0.03	-0.02	-0.33	4.83e-05	0.0	-5.06e-06
1988	105	0.03	-0.14	-0.31	6.46e-05	0.0	-4.42e-06
1988	107	0.03	-0.02	-0.32	4.60e-05	0.0	-4.77e-06
1988	112	4.87	0.23	-0.36	-5.83e-05	0.0	-3.98e-04
1988	124	-0.26	4.49	-0.41	-8.72e-04	0.0	1.65e-05
1988	129	2.73	-5.23	-0.23	1.06e-03	0.0	-2.40e-04
1988	144	5.48	0.25	-0.37	-7.11e-05	0.0	-4.48e-04
1988	156	-0.30	5.06	-0.43	-9.86e-04	0.0	1.94e-05
1988	161	3.07	-5.88	-0.22	1.19e-03	0.0	-2.70e-04
1988	176	5.48	0.24	-0.37	-7.24e-05	0.0	-4.46e-04
1988	188	-0.30	5.00	-0.42	-9.74e-04	0.0	2.00e-05
1988	193	3.11	-5.83	-0.22	1.17e-03	0.0	-2.73e-04
1988	208	6.43	0.26	-0.38	-9.27e-05	0.0	-5.23e-04
1988	220	-0.36	5.82	-0.44	-1.14e-03	0.0	2.59e-05
1988	225	3.69	-6.80	-0.21	1.36e-03	0.0	-3.25e-04
1989	4	0.10	0.50	-0.67	-1.90e-05	0.0	-4.41e-06
1989	28	0.10	-0.65	-0.63	1.55e-04	0.0	-9.05e-06
1989	44	0.09	-1.03	-0.54	2.04e-04	0.0	-8.12e-06
1989	68	0.07	0.33	-0.47	-9.90e-06	0.0	-3.17e-06
1989	80	0.07	-0.44	-0.44	1.06e-04	0.0	-6.27e-06
1989	88	0.06	-0.69	-0.38	1.39e-04	0.0	-5.65e-06
1989	98	0.06	-0.05	-0.37	4.15e-05	0.0	-4.79e-06
1989	105	0.06	-0.17	-0.35	5.85e-05	0.0	-4.61e-06
1989	107	0.06	-0.04	-0.36	3.97e-05	0.0	-4.52e-06
1989	112	5.47	0.26	-0.41	-6.00e-05	0.0	-4.30e-04
1989	124	-0.28	4.94	-0.47	-8.48e-04	0.0	-2.57e-04
1989	129	3.08	-5.76	-0.26	1.02e-03	0.0	1.72e-05
1989	144	6.16	0.30	-0.41	-7.22e-05	0.0	-4.85e-04
1989	156	-0.33	5.56	-0.48	-9.59e-04	0.0	-2.89e-04
1989	161	3.46	-6.48	-0.25	1.15e-03	0.0	1.97e-05
1989	176	6.14	0.28	-0.41	-7.30e-05	0.0	-4.83e-04
1989	188	-0.33	5.50	-0.48	-9.48e-04	0.0	-2.87e-04
1989	193	3.50	-6.42	-0.25	1.13e-03	0.0	1.53e-05
1989	208	7.21	0.32	-0.42	-9.20e-05	0.0	-5.66e-04
1989	220	-0.39	6.41	-0.50	-1.11e-03	0.0	-3.37e-04
1989	225	4.14	-7.49	-0.23	1.31e-03	0.0	1.53e-05

1990	4	0.15	0.51	-0.72	-2.09e-05	0.0	-3.61e-06
1990	44	0.14	-1.13	-0.58	1.98e-04	0.0	-1.09e-05
1990	52	0.16	-0.11	-0.70	6.50e-05	0.0	-9.51e-06
1990	68	0.11	0.34	-0.50	-1.13e-05	0.0	-2.71e-06
1990	88	0.10	-0.76	-0.41	1.34e-04	0.0	-7.58e-06
1990	92	0.11	-0.08	-0.49	4.60e-05	0.0	-6.64e-06
1990	98	0.09	-0.07	-0.40	3.87e-05	0.0	-5.43e-06
1990	105	0.09	-0.20	-0.38	5.57e-05	0.0	-5.51e-06
1990	107	0.09	-0.06	-0.38	3.70e-05	0.0	-5.15e-06
1990	112	6.07	0.30	-0.44	-5.96e-05	0.0	-4.60e-04
1990	124	-0.31	5.38	-0.51	-8.37e-04	0.0	-2.75e-04
1990	129	3.43	-6.29	-0.27	1.01e-03	0.0	1.86e-05
1990	144	6.83	0.34	-0.44	-7.14e-05	0.0	-5.18e-04
1990	156	-0.36	6.06	-0.52	-9.46e-04	0.0	-3.10e-04
1990	161	3.86	-7.08	-0.26	1.13e-03	0.0	2.14e-05
1990	176	6.81	0.32	-0.44	-7.21e-05	0.0	-5.15e-04
1990	188	-0.35	5.99	-0.52	-9.35e-04	0.0	-3.07e-04
1990	193	3.89	-7.01	-0.26	1.11e-03	0.0	1.64e-05
1990	208	7.98	0.37	-0.45	-9.04e-05	0.0	-6.04e-04
1990	220	-0.43	6.98	-0.54	-1.09e-03	0.0	-3.60e-04
1990	225	4.59	-8.17	-0.24	1.29e-03	0.0	1.65e-05
1991	4	0.22	0.52	-0.77	-1.77e-05	0.0	-3.74e-06
1991	44	0.19	-1.24	-0.62	1.94e-04	0.0	-1.27e-05
1991	52	0.22	-0.15	-0.75	6.40e-05	0.0	-1.02e-05
1991	68	0.15	0.34	-0.54	-9.20e-06	0.0	-2.86e-06
1991	88	0.13	-0.83	-0.44	1.32e-04	0.0	-8.83e-06
1991	92	0.15	-0.10	-0.53	4.53e-05	0.0	-7.16e-06
1991	98	0.13	-0.09	-0.43	3.81e-05	0.0	-5.96e-06
1991	105	0.12	-0.23	-0.41	5.47e-05	0.0	-6.18e-06
1991	107	0.12	-0.08	-0.41	3.65e-05	0.0	-5.69e-06
1991	112	6.67	0.33	-0.47	-5.61e-05	0.0	-4.89e-04
1991	124	-0.32	5.82	-0.55	-8.20e-04	0.0	2.36e-05
1991	129	3.79	-6.82	-0.29	9.90e-04	0.0	-2.97e-04
1991	144	7.50	0.38	-0.47	-6.74e-05	0.0	-5.50e-04
1991	156	-0.38	6.55	-0.56	-9.27e-04	0.0	2.76e-05
1991	161	4.26	-7.66	-0.27	1.11e-03	0.0	-3.35e-04
1991	176	7.47	0.36	-0.47	-6.79e-05	0.0	-5.47e-04
1991	188	-0.38	6.48	-0.56	-9.16e-04	0.0	2.76e-05
1991	193	4.28	-7.59	-0.27	1.10e-03	0.0	-3.37e-04
1991	208	8.75	0.42	-0.48	-8.52e-05	0.0	-6.40e-04
1991	220	-0.46	7.55	-0.58	-1.07e-03	0.0	3.49e-05
1991	225	5.05	-8.84	-0.25	1.27e-03	0.0	-4.01e-04
1992	4	0.04	0.49	-0.82	5.60e-05	8.26e-05	2.15e-06
1992	28	0.05	-0.58	-0.79	2.07e-04	8.27e-05	1.33e-06
1992	44	0.04	-0.92	-0.66	2.37e-04	7.28e-05	1.68e-06
1992	68	0.03	0.32	-0.57	4.18e-05	5.81e-05	1.47e-06
1992	80	0.03	-0.39	-0.55	1.42e-04	5.82e-05	0.0
1992	88	0.03	-0.62	-0.47	1.63e-04	5.16e-05	1.16e-06
1992	98	0.03	-0.03	-0.46	7.75e-05	4.84e-05	0.0
1992	105	0.03	-0.14	-0.43	8.97e-05	4.62e-05	0.0
1992	107	0.03	-0.03	-0.44	7.36e-05	4.62e-05	0.0
1992	112	4.87	0.01	-0.58	1.86e-05	9.18e-04	-4.00e-04
1992	124	-0.26	4.43	-0.62	-6.75e-04	7.43e-04	2.17e-05
1992	129	2.72	-5.29	-0.32	9.22e-04	-1.20e-04	-2.39e-04
1992	144	5.48	0.01	-0.59	1.20e-05	1.03e-03	-4.51e-04
1992	156	-0.30	4.99	-0.64	-7.69e-04	8.30e-04	2.47e-05
1992	161	3.07	-5.95	-0.30	1.03e-03	-1.41e-04	-2.71e-04
1992	176	5.48	-3.05e-03	-0.59	1.13e-05	1.02e-03	-4.49e-04
1992	188	-0.30	4.93	-0.64	-7.59e-04	8.19e-04	2.55e-05
1992	193	3.11	-5.90	-0.30	1.02e-03	-1.33e-04	-2.74e-04
1992	208	6.43	-0.02	-0.62	1.01e-06	1.18e-03	-5.28e-04
1992	220	-0.36	5.74	-0.67	-8.97e-04	9.47e-04	3.16e-05
1992	225	3.69	-6.89	-0.28	1.17e-03	-1.56e-04	-3.28e-04
1993	4	0.10	0.50	-0.90	-6.84e-06	9.96e-05	0.0
1993	28	0.10	-0.66	-0.85	1.66e-04	9.86e-05	-4.34e-06
1993	44	0.09	-1.03	-0.72	2.12e-04	8.60e-05	-4.13e-06
1993	68	0.07	0.33	-0.63	-1.46e-06	6.99e-05	0.0
1993	80	0.07	-0.44	-0.60	1.14e-04	6.92e-05	-3.01e-06
1993	88	0.06	-0.69	-0.51	1.44e-04	6.08e-05	-2.87e-06
1993	98	0.06	-0.05	-0.50	4.81e-05	5.76e-05	-2.16e-06
1993	105	0.06	-0.17	-0.47	6.46e-05	5.48e-05	-2.15e-06
1993	107	0.06	-0.05	-0.47	4.60e-05	5.49e-05	-2.04e-06
1993	112	5.47	0.03	-0.63	-1.90e-05	9.24e-04	-4.46e-04
1993	124	-0.28	4.86	-0.70	-8.11e-04	7.51e-04	2.28e-05
1993	129	3.08	-5.83	-0.32	1.01e-03	-1.13e-04	-2.70e-04

1993	144	6.16	0.04	-0.65	-2.68e-05	1.03e-03	-5.02e-04
1993	156	-0.33	5.48	-0.72	-9.18e-04	8.38e-04	2.62e-05
1993	161	3.46	-6.55	-0.30	1.14e-03	-1.34e-04	-3.05e-04
1993	176	6.14	0.02	-0.65	-2.81e-05	1.02e-03	-5.01e-04
1993	188	-0.33	5.42	-0.72	-9.07e-04	8.26e-04	2.70e-05
1993	193	3.50	-6.50	-0.30	1.12e-03	-1.27e-04	-3.09e-04
1993	208	7.21	0.01	-0.67	-4.05e-05	1.18e-03	-5.88e-04
1993	220	-0.39	6.32	-0.76	-1.06e-03	9.54e-04	3.37e-05
1993	225	4.14	-7.58	-0.27	1.30e-03	-1.49e-04	-3.69e-04
1994	4	0.15	0.51	-0.95	-1.81e-05	1.01e-04	-6.18e-06
1994	44	0.14	-1.14	-0.76	2.01e-04	8.72e-05	-1.12e-05
1994	52	0.16	-0.12	-0.92	6.82e-05	1.01e-04	-1.07e-05
1994	68	0.11	0.33	-0.66	-9.27e-06	7.11e-05	-4.46e-06
1994	88	0.10	-0.77	-0.53	1.37e-04	6.17e-05	-7.82e-06
1994	92	0.11	-0.08	-0.64	4.83e-05	7.06e-05	-7.46e-06
1994	98	0.09	-0.07	-0.53	4.06e-05	5.85e-05	-6.10e-06
1994	105	0.09	-0.21	-0.50	5.76e-05	5.56e-05	-6.05e-06
1994	107	0.09	-0.07	-0.50	3.89e-05	5.57e-05	-5.79e-06
1994	112	6.07	0.05	-0.67	-2.77e-05	9.13e-04	-4.72e-04
1994	124	-0.31	5.30	-0.75	-8.30e-04	7.44e-04	2.16e-05
1994	129	3.43	-6.36	-0.32	1.02e-03	-1.13e-04	-2.89e-04
1994	144	6.83	0.06	-0.69	-3.57e-05	1.02e-03	-5.31e-04
1994	156	-0.35	5.97	-0.79	-9.39e-04	8.31e-04	2.54e-05
1994	161	3.86	-7.15	-0.29	1.14e-03	-1.33e-04	-3.25e-04
1994	176	6.81	0.04	-0.69	-3.71e-05	1.01e-03	-5.28e-04
1994	188	-0.35	5.90	-0.78	-9.28e-04	8.19e-04	2.60e-05
1994	193	3.89	-7.09	-0.30	1.13e-03	-1.26e-04	-3.29e-04
1994	208	7.98	0.04	-0.72	-5.00e-05	1.17e-03	-6.19e-04
1994	220	-0.43	6.89	-0.83	-1.09e-03	9.46e-04	3.33e-05
1994	225	4.59	-8.27	-0.26	1.31e-03	-1.48e-04	-3.91e-04
1995	4	0.23	0.52	-0.99	-2.25e-05	6.95e-05	-2.29e-05
1995	44	0.20	-1.24	-0.79	1.90e-04	6.15e-05	-2.68e-05
1995	52	0.23	-0.15	-0.96	5.91e-05	6.95e-05	-2.78e-05
1995	68	0.16	0.34	-0.69	-1.24e-05	4.90e-05	-1.61e-05
1995	88	0.14	-0.84	-0.56	1.29e-04	4.37e-05	-1.87e-05
1995	92	0.16	-0.11	-0.67	4.20e-05	4.90e-05	-1.94e-05
1995	98	0.13	-0.09	-0.55	3.56e-05	4.09e-05	-1.58e-05
1995	105	0.13	-0.23	-0.52	5.25e-05	3.91e-05	-1.53e-05
1995	107	0.13	-0.09	-0.52	3.41e-05	3.91e-05	-1.50e-05
1995	112	6.69	0.07	-0.71	-3.34e-05	7.95e-04	-5.30e-04
1995	124	-0.32	5.73	-0.80	-8.36e-04	6.45e-04	1.33e-05
1995	129	3.80	-6.89	-0.32	1.02e-03	-1.07e-04	-3.26e-04
1995	144	7.53	0.08	-0.73	-4.16e-05	8.90e-04	-5.95e-04
1995	156	-0.38	6.46	-0.84	-9.45e-04	7.21e-04	1.73e-05
1995	161	4.27	-7.75	-0.29	1.14e-03	-1.25e-04	-3.67e-04
1995	176	7.50	0.07	-0.72	-4.30e-05	8.79e-04	-5.93e-04
1995	188	-0.37	6.39	-0.83	-9.34e-04	7.10e-04	1.90e-05
1995	193	4.30	-7.68	-0.29	1.13e-03	-1.19e-04	-3.72e-04
1995	208	8.78	0.08	-0.76	-5.61e-05	1.02e-03	-6.95e-04
1995	220	-0.46	7.46	-0.88	-1.09e-03	8.21e-04	2.74e-05
1995	225	5.07	-8.95	-0.26	1.31e-03	-1.38e-04	-4.42e-04
1996	4	0.24	0.53	-0.27	-8.99e-06	0.0	-3.62e-06
1996	44	0.21	-1.32	-0.23	1.99e-04	0.0	-3.34e-06
1996	52	0.25	-0.17	-0.26	7.26e-05	0.0	-4.28e-06
1996	68	0.17	0.34	-0.19	-3.37e-06	0.0	-2.68e-06
1996	88	0.15	-0.88	-0.16	1.35e-04	0.0	-2.49e-06
1996	92	0.17	-0.12	-0.19	5.10e-05	0.0	-3.12e-06
1996	98	0.14	-0.10	-0.16	4.23e-05	0.0	-2.82e-06
1996	105	0.14	-0.25	-0.15	5.83e-05	0.0	-2.67e-06
1996	107	0.14	-0.09	-0.16	4.03e-05	0.0	-2.75e-06
1996	112	7.12	2.73	0.04	-2.53e-04	0.0	-4.99e-04
1996	114	-5.40	1.12	-0.42	-1.06e-04	0.0	3.86e-04
1996	139	-3.81	-7.05	-0.10	7.96e-04	0.0	3.15e-04
1996	144	8.00	3.08	0.07	-2.89e-04	0.0	-5.62e-04
1996	146	-6.11	1.27	-0.45	-1.24e-04	0.0	4.35e-04
1996	171	-4.31	-7.92	-0.09	8.90e-04	0.0	3.56e-04
1996	176	7.97	3.04	0.06	-2.84e-04	0.0	-5.56e-04
1996	178	-6.08	1.25	-0.45	-1.23e-04	0.0	4.28e-04
1996	203	-4.34	-7.83	-0.09	8.79e-04	0.0	3.59e-04
1996	208	9.32	3.56	0.10	-3.36e-04	0.0	-6.50e-04
1996	210	-7.16	1.46	-0.50	-1.50e-04	0.0	4.99e-04
1996	235	-5.17	-9.11	-0.08	1.02e-03	0.0	4.29e-04
1997	4	0.24	0.52	-0.20	-9.10e-06	0.0	-3.73e-06
1997	44	0.21	-1.32	-0.18	1.99e-04	0.0	-3.42e-06
1997	52	0.24	-0.17	-0.20	7.27e-05	0.0	-4.40e-06

1997	68	0.17	0.34	-0.15	-3.43e-06	0.0	-2.76e-06
1997	88	0.15	-0.88	-0.13	1.35e-04	0.0	-2.55e-06
1997	92	0.17	-0.12	-0.14	5.11e-05	0.0	-3.21e-06
1997	98	0.14	-0.10	-0.13	4.24e-05	0.0	-2.89e-06
1997	105	0.13	-0.25	-0.12	5.84e-05	0.0	-2.73e-06
1997	107	0.13	-0.09	-0.12	4.04e-05	0.0	-2.81e-06
1997	112	7.11	2.46	-9.99e-03	-2.34e-04	0.0	-5.00e-04
1997	114	-5.41	1.35	-0.27	-1.31e-04	0.0	3.85e-04
1997	139	-3.81	-6.93	-0.09	7.99e-04	0.0	3.15e-04
1997	144	8.00	2.78	4.26e-03	-2.69e-04	0.0	-5.62e-04
1997	146	-6.11	1.53	-0.29	-1.52e-04	0.0	4.34e-04
1997	171	-4.32	-7.79	-0.08	8.94e-04	0.0	3.56e-04
1997	176	7.97	2.74	2.86e-03	-2.64e-04	0.0	-5.56e-04
1997	178	-6.08	1.51	-0.29	-1.50e-04	0.0	4.27e-04
1997	203	-4.34	-7.69	-0.09	8.82e-04	0.0	3.59e-04
1997	208	9.32	3.21	0.02	-3.13e-04	0.0	-6.50e-04
1997	210	-7.16	1.77	-0.32	-1.81e-04	0.0	4.99e-04
1997	235	-5.17	-8.93	-0.08	1.02e-03	0.0	4.29e-04
1998	4	0.25	0.53	-0.28	-9.87e-06	0.0	-3.45e-06
1998	44	0.22	-1.41	-0.24	1.98e-04	0.0	-3.62e-06
1998	52	0.25	-0.20	-0.27	7.19e-05	0.0	-4.35e-06
1998	68	0.18	0.35	-0.20	-3.98e-06	0.0	-2.58e-06
1998	88	0.16	-0.95	-0.17	1.35e-04	0.0	-2.70e-06
1998	92	0.18	-0.14	-0.19	5.05e-05	0.0	-3.19e-06
1998	98	0.15	-0.12	-0.17	4.19e-05	0.0	-2.91e-06
1998	105	0.14	-0.28	-0.16	5.79e-05	0.0	-2.78e-06
1998	107	0.14	-0.11	-0.16	3.99e-05	0.0	-2.84e-06
1998	112	7.52	2.84	0.03	-2.36e-04	0.0	-5.20e-04
1998	114	-5.71	1.17	-0.42	-9.74e-05	0.0	4.04e-04
1998	139	-4.04	-7.43	-0.10	7.50e-04	0.0	3.25e-04
1998	144	8.46	3.21	0.05	-2.70e-04	0.0	-5.86e-04
1998	146	-6.45	1.32	-0.45	-1.15e-04	0.0	4.55e-04
1998	171	-4.57	-8.34	-0.10	8.39e-04	0.0	3.68e-04
1998	176	8.42	3.17	0.05	-2.65e-04	0.0	-5.79e-04
1998	178	-6.42	1.31	-0.45	-1.13e-04	0.0	4.48e-04
1998	203	-4.59	-8.24	-0.10	8.28e-04	0.0	3.71e-04
1998	208	9.85	3.71	0.08	-3.14e-04	0.0	-6.77e-04
1998	210	-7.55	1.53	-0.49	-1.38e-04	0.0	5.23e-04
1998	235	-5.46	-9.59	-0.09	9.58e-04	0.0	4.43e-04
1999	4	0.25	0.53	-0.22	-9.45e-06	0.0	-3.83e-06
1999	44	0.22	-1.42	-0.19	1.99e-04	0.0	-3.77e-06
1999	52	0.26	-0.21	-0.21	7.25e-05	0.0	-4.66e-06
1999	68	0.18	0.34	-0.16	-3.67e-06	0.0	-2.85e-06
1999	88	0.16	-0.95	-0.14	1.35e-04	0.0	-2.80e-06
1999	92	0.18	-0.15	-0.15	5.10e-05	0.0	-3.40e-06
1999	98	0.15	-0.12	-0.13	4.22e-05	0.0	-3.08e-06
1999	105	0.14	-0.28	-0.13	5.83e-05	0.0	-2.93e-06
1999	107	0.14	-0.11	-0.13	4.03e-05	0.0	-3.00e-06
1999	112	7.51	2.57	-0.02	-2.16e-04	0.0	-5.21e-04
1999	114	-5.70	1.41	-0.28	-1.19e-04	0.0	4.03e-04
1999	139	-4.03	-7.31	-0.09	7.48e-04	0.0	3.26e-04
1999	144	8.45	2.90	-5.17e-04	-2.48e-04	0.0	-5.86e-04
1999	146	-6.44	1.60	-0.30	-1.38e-04	0.0	4.55e-04
1999	171	-4.56	-8.21	-0.09	8.37e-04	0.0	3.68e-04
1999	176	8.41	2.86	-1.98e-03	-2.44e-04	0.0	-5.79e-04
1999	178	-6.41	1.58	-0.30	-1.36e-04	0.0	4.47e-04
1999	203	-4.59	-8.10	-0.09	8.25e-04	0.0	3.72e-04
1999	208	9.84	3.35	0.02	-2.90e-04	0.0	-6.77e-04
1999	210	-7.54	1.85	-0.33	-1.65e-04	0.0	5.22e-04
1999	235	-5.45	-9.41	-0.09	9.54e-04	0.0	4.43e-04
2000	4	0.29	0.54	-0.29	5.45e-05	0.0	-4.75e-06
2000	44	0.25	-1.51	-0.24	1.75e-04	0.0	-4.78e-06
2000	52	0.29	-0.24	-0.28	1.04e-04	0.0	-5.68e-06
2000	68	0.20	0.35	-0.20	4.01e-05	0.0	-3.51e-06
2000	88	0.18	-1.02	-0.17	1.21e-04	0.0	-3.53e-06
2000	92	0.20	-0.17	-0.20	7.33e-05	0.0	-4.12e-06
2000	98	0.17	-0.14	-0.17	6.06e-05	0.0	-3.70e-06
2000	105	0.16	-0.31	-0.16	6.90e-05	0.0	-3.54e-06
2000	107	0.16	-0.13	-0.17	5.79e-05	0.0	-3.60e-06
2000	112	7.85	2.96	0.02	-2.21e-04	0.0	-5.43e-04
2000	114	-5.93	1.21	-0.42	-9.45e-05	0.0	4.20e-04
2000	139	-4.19	-7.79	-0.11	7.94e-04	0.0	3.38e-04
2000	144	8.83	3.34	0.05	-2.55e-04	0.0	-6.11e-04
2000	146	-6.71	1.38	-0.45	-1.13e-04	0.0	4.74e-04
2000	171	-4.75	-8.75	-0.10	8.86e-04	0.0	3.83e-04

2000	176	8.78	3.30	0.04	-2.50e-04	0.0	-6.03e-04
2000	178	-6.67	1.36	-0.45	-1.11e-04	0.0	4.66e-04
2000	203	-4.77	-8.64	-0.10	8.74e-04	0.0	3.86e-04
2000	208	10.27	3.86	0.08	-3.00e-04	0.0	-7.05e-04
2000	210	-7.85	1.60	-0.50	-1.39e-04	0.0	5.44e-04
2000	235	-5.67	-10.05	-0.09	1.01e-03	0.0	4.60e-04
2001	4	0.29	0.53	-0.24	5.46e-05	0.0	-4.61e-06
2001	44	0.25	-1.52	-0.20	1.75e-04	0.0	-4.53e-06
2001	52	0.29	-0.24	-0.23	1.04e-04	0.0	-5.50e-06
2001	68	0.20	0.35	-0.17	4.03e-05	0.0	-3.41e-06
2001	88	0.18	-1.02	-0.15	1.21e-04	0.0	-3.36e-06
2001	92	0.20	-0.17	-0.17	7.35e-05	0.0	-4.01e-06
2001	98	0.17	-0.14	-0.15	6.08e-05	0.0	-3.60e-06
2001	105	0.16	-0.31	-0.14	6.92e-05	0.0	-3.44e-06
2001	107	0.16	-0.13	-0.14	5.81e-05	0.0	-3.51e-06
2001	112	7.85	2.67	-0.03	-1.96e-04	0.0	-5.43e-04
2001	114	-5.93	1.47	-0.30	-1.09e-04	0.0	4.20e-04
2001	139	-4.19	-7.66	-0.11	7.72e-04	0.0	3.39e-04
2001	144	8.83	3.02	-0.01	-2.27e-04	0.0	-6.11e-04
2001	146	-6.71	1.67	-0.32	-1.29e-04	0.0	4.74e-04
2001	171	-4.75	-8.61	-0.10	8.61e-04	0.0	3.83e-04
2001	176	8.79	2.98	-0.01	-2.23e-04	0.0	-6.03e-04
2001	178	-6.67	1.64	-0.31	-1.27e-04	0.0	4.66e-04
2001	203	-4.77	-8.50	-0.10	8.48e-04	0.0	3.86e-04
2001	208	10.27	3.49	7.07e-03	-2.68e-04	0.0	-7.05e-04
2001	210	-7.85	1.93	-0.34	-1.57e-04	0.0	5.44e-04
2001	235	-5.67	-9.87	-0.10	9.77e-04	0.0	4.60e-04
2002	4	0.24	0.52	-0.18	-8.83e-06	0.0	-3.66e-06
2002	44	0.21	-1.32	-0.16	1.99e-04	0.0	-3.55e-06
2002	52	0.24	-0.17	-0.18	7.30e-05	0.0	-4.48e-06
2002	68	0.17	0.34	-0.13	-3.22e-06	0.0	-2.71e-06
2002	88	0.15	-0.89	-0.11	1.36e-04	0.0	-2.64e-06
2002	92	0.17	-0.12	-0.13	5.14e-05	0.0	-3.26e-06
2002	98	0.14	-0.10	-0.11	4.26e-05	0.0	-2.93e-06
2002	105	0.13	-0.25	-0.11	5.86e-05	0.0	-2.77e-06
2002	107	0.13	-0.10	-0.11	4.06e-05	0.0	-2.85e-06
2002	112	7.11	2.19	-0.05	-2.12e-04	0.0	-4.99e-04
2002	114	-5.41	1.59	-0.19	-1.55e-04	0.0	3.85e-04
2002	135	-4.15	-6.81	-0.10	7.96e-04	0.0	3.11e-04
2002	144	8.00	2.48	-0.05	-2.43e-04	0.0	-5.62e-04
2002	146	-6.11	1.80	-0.20	-1.79e-04	0.0	4.34e-04
2002	167	-4.69	-7.65	-0.09	8.90e-04	0.0	3.51e-04
2002	176	7.96	2.45	-0.05	-2.39e-04	0.0	-5.56e-04
2002	178	-6.08	1.77	-0.20	-1.76e-04	0.0	4.27e-04
2002	203	-4.34	-7.54	-0.09	8.77e-04	0.0	3.59e-04
2002	208	9.32	2.86	-0.04	-2.84e-04	0.0	-6.50e-04
2002	210	-7.16	2.07	-0.21	-2.11e-04	0.0	4.98e-04
2002	235	-5.17	-8.76	-0.09	1.01e-03	0.0	4.29e-04
2003	4	0.26	0.53	-0.19	-8.97e-06	0.0	-4.02e-06
2003	44	0.22	-1.42	-0.17	1.99e-04	0.0	-3.90e-06
2003	52	0.26	-0.21	-0.19	7.30e-05	0.0	-4.87e-06
2003	68	0.18	0.34	-0.14	-3.31e-06	0.0	-2.98e-06
2003	88	0.16	-0.95	-0.12	1.36e-04	0.0	-2.89e-06
2003	92	0.18	-0.15	-0.14	5.13e-05	0.0	-3.54e-06
2003	98	0.15	-0.12	-0.12	4.26e-05	0.0	-3.19e-06
2003	105	0.14	-0.28	-0.12	5.86e-05	0.0	-3.02e-06
2003	107	0.14	-0.12	-0.12	4.06e-05	0.0	-3.10e-06
2003	112	7.51	2.29	-0.06	-1.95e-04	0.0	-5.21e-04
2003	114	-5.70	1.66	-0.20	-1.42e-04	0.0	4.03e-04
2003	135	-4.38	-7.19	-0.10	7.46e-04	0.0	3.22e-04
2003	144	8.44	2.59	-0.05	-2.25e-04	0.0	-5.86e-04
2003	146	-6.44	1.88	-0.21	-1.65e-04	0.0	4.54e-04
2003	167	-4.95	-8.07	-0.10	8.34e-04	0.0	3.63e-04
2003	176	8.40	2.56	-0.05	-2.21e-04	0.0	-5.80e-04
2003	178	-6.41	1.85	-0.21	-1.62e-04	0.0	4.47e-04
2003	203	-4.58	-7.96	-0.09	8.23e-04	0.0	3.72e-04
2003	208	9.83	3.00	-0.04	-2.63e-04	0.0	-6.78e-04
2003	210	-7.54	2.17	-0.22	-1.95e-04	0.0	5.21e-04
2003	235	-5.45	-9.24	-0.09	9.50e-04	0.0	4.44e-04
2004	4	0.29	0.53	-0.21	5.46e-05	0.0	-4.44e-06
2004	44	0.25	-1.52	-0.18	1.76e-04	0.0	-4.30e-06
2004	52	0.29	-0.25	-0.21	1.05e-04	0.0	-5.30e-06
2004	68	0.20	0.34	-0.15	4.03e-05	0.0	-3.29e-06
2004	88	0.18	-1.02	-0.13	1.21e-04	0.0	-3.20e-06
2004	92	0.20	-0.17	-0.15	7.37e-05	0.0	-3.87e-06

2004	98	0.17	-0.14	-0.13	6.10e-05	0.0	-3.50e-06
2004	105	0.16	-0.31	-0.13	6.95e-05	0.0	-3.33e-06
2004	107	0.16	-0.14	-0.13	5.83e-05	0.0	-3.41e-06
2004	112	7.86	2.38	-0.07	-1.70e-04	0.0	-5.42e-04
2004	114	-5.93	1.73	-0.21	-1.24e-04	0.0	4.20e-04
2004	135	-4.57	-7.54	-0.11	7.48e-04	0.0	3.33e-04
2004	144	8.83	2.70	-0.06	-1.98e-04	0.0	-6.11e-04
2004	146	-6.71	1.96	-0.22	-1.46e-04	0.0	4.74e-04
2004	167	-5.17	-8.47	-0.11	8.34e-04	0.0	3.76e-04
2004	176	8.79	2.66	-0.06	-1.94e-04	0.0	-6.03e-04
2004	178	-6.67	1.93	-0.22	-1.43e-04	0.0	4.66e-04
2004	203	-4.77	-8.35	-0.11	8.22e-04	0.0	3.86e-04
2004	208	10.27	3.12	-0.05	-2.34e-04	0.0	-7.05e-04
2004	210	-7.85	2.26	-0.24	-1.76e-04	0.0	5.44e-04
2004	235	-5.68	-9.69	-0.10	9.46e-04	0.0	4.61e-04
2005	4	0.24	0.52	-0.18	-8.34e-06	0.0	-3.30e-06
2005	44	0.21	-1.32	-0.15	2.00e-04	0.0	-3.69e-06
2005	52	0.24	-0.18	-0.17	7.35e-05	0.0	-4.43e-06
2005	68	0.17	0.34	-0.13	-2.87e-06	0.0	-2.47e-06
2005	88	0.15	-0.89	-0.11	1.36e-04	0.0	-2.73e-06
2005	92	0.17	-0.12	-0.13	5.17e-05	0.0	-3.22e-06
2005	98	0.14	-0.10	-0.11	4.29e-05	0.0	-2.89e-06
2005	105	0.13	-0.25	-0.11	5.89e-05	0.0	-2.76e-06
2005	107	0.13	-0.10	-0.11	4.09e-05	0.0	-2.81e-06
2005	112	7.11	1.94	-0.08	-1.90e-04	0.0	-4.98e-04
2005	114	-5.41	1.81	-0.15	-1.77e-04	0.0	3.84e-04
2005	127	0.62	-6.71	-0.11	7.89e-04	0.0	-3.98e-05
2005	144	7.99	2.19	-0.07	-2.19e-04	0.0	-5.60e-04
2005	146	-6.11	2.05	-0.16	-2.04e-04	0.0	4.33e-04
2005	159	0.68	-7.54	-0.11	8.83e-04	0.0	-4.49e-05
2005	176	7.96	2.16	-0.07	-2.15e-04	0.0	-5.54e-04
2005	178	-6.08	2.02	-0.16	-2.00e-04	0.0	4.26e-04
2005	191	0.67	-7.43	-0.11	8.69e-04	0.0	-4.65e-05
2005	208	9.31	2.53	-0.07	-2.56e-04	0.0	-6.48e-04
2005	210	-7.16	2.36	-0.16	-2.39e-04	0.0	4.97e-04
2005	223	0.76	-8.62	-0.11	1.00e-03	0.0	-5.65e-05
2006	4	0.25	0.52	-0.19	-8.58e-06	0.0	-3.96e-06
2006	44	0.22	-1.42	-0.16	2.00e-04	0.0	-4.08e-06
2006	52	0.26	-0.21	-0.18	7.34e-05	0.0	-4.97e-06
2006	68	0.18	0.34	-0.14	-3.03e-06	0.0	-2.94e-06
2006	88	0.16	-0.96	-0.12	1.36e-04	0.0	-3.01e-06
2006	92	0.18	-0.15	-0.13	5.16e-05	0.0	-3.61e-06
2006	98	0.15	-0.12	-0.12	4.28e-05	0.0	-3.24e-06
2006	105	0.14	-0.28	-0.11	5.89e-05	0.0	-3.09e-06
2006	107	0.14	-0.12	-0.11	4.08e-05	0.0	-3.15e-06
2006	112	7.51	2.03	-0.08	-1.64e-04	0.0	-5.20e-04
2006	114	-5.69	1.90	-0.16	-1.76e-04	0.0	4.02e-04
2006	127	0.66	-7.09	-0.11	7.39e-04	0.0	-4.45e-05
2006	144	8.44	2.29	-0.08	-1.89e-04	0.0	-5.86e-04
2006	146	-6.43	2.15	-0.17	-2.03e-04	0.0	4.53e-04
2006	159	0.73	-7.96	-0.11	8.26e-04	0.0	-5.02e-05
2006	176	8.40	2.26	-0.08	-1.86e-04	0.0	-5.79e-04
2006	178	-6.40	2.11	-0.16	-1.99e-04	0.0	4.46e-04
2006	191	0.72	-7.84	-0.11	8.14e-04	0.0	-5.20e-05
2006	208	9.83	2.65	-0.07	-2.23e-04	0.0	-6.77e-04
2006	210	-7.54	2.47	-0.17	-2.38e-04	0.0	5.20e-04
2006	223	0.82	-9.09	-0.11	9.39e-04	0.0	-6.33e-05
2007	4	0.29	0.53	-0.21	5.48e-05	0.0	-4.37e-06
2007	44	0.25	-1.52	-0.18	1.77e-04	0.0	-4.40e-06
2007	52	0.29	-0.25	-0.20	1.05e-04	0.0	-5.30e-06
2007	68	0.20	0.34	-0.15	4.06e-05	0.0	-3.25e-06
2007	88	0.18	-1.02	-0.13	1.22e-04	0.0	-3.27e-06
2007	92	0.20	-0.18	-0.15	7.41e-05	0.0	-3.86e-06
2007	98	0.17	-0.15	-0.13	6.14e-05	0.0	-3.49e-06
2007	105	0.16	-0.31	-0.12	6.99e-05	0.0	-3.34e-06
2007	107	0.16	-0.14	-0.13	5.88e-05	0.0	-3.40e-06
2007	112	7.86	2.11	-0.09	-1.34e-04	0.0	-5.42e-04
2007	114	-5.93	1.97	-0.17	-1.49e-04	0.0	4.20e-04
2007	127	0.72	-7.44	-0.13	7.27e-04	0.0	-4.95e-05
2007	144	8.83	2.39	-0.09	-1.58e-04	0.0	-6.11e-04
2007	146	-6.71	2.24	-0.18	-1.75e-04	0.0	4.74e-04
2007	159	0.79	-8.36	-0.13	8.10e-04	0.0	-5.58e-05
2007	176	8.79	2.35	-0.09	-1.55e-04	0.0	-6.03e-04
2007	178	-6.67	2.20	-0.18	-1.70e-04	0.0	4.66e-04
2007	191	0.78	-8.23	-0.13	7.98e-04	0.0	-5.80e-05

2007	208	10.27	2.76	-0.08	-1.90e-04	0.0	-7.05e-04
2007	210	-7.85	2.58	-0.19	-2.07e-04	0.0	5.44e-04
2007	223	0.88	-9.55	-0.13	9.18e-04	0.0	-7.05e-05
2008	4	0.23	0.52	-0.19	-7.47e-06	0.0	-2.49e-06
2008	44	0.21	-1.32	-0.17	2.00e-04	0.0	-3.82e-06
2008	52	0.23	-0.18	-0.19	7.42e-05	0.0	-4.16e-06
2008	68	0.16	0.34	-0.14	-2.25e-06	0.0	-1.92e-06
2008	88	0.15	-0.89	-0.12	1.36e-04	0.0	-2.80e-06
2008	92	0.16	-0.13	-0.14	5.22e-05	0.0	-3.02e-06
2008	98	0.14	-0.10	-0.12	4.34e-05	0.0	-2.73e-06
2008	105	0.13	-0.25	-0.11	5.93e-05	0.0	-2.65e-06
2008	107	0.13	-0.10	-0.12	4.14e-05	0.0	-2.65e-06
2008	112	7.11	1.66	-0.10	-1.63e-04	0.0	-4.96e-04
2008	114	-5.40	2.06	-0.14	-2.03e-04	0.0	3.82e-04
2008	129	4.04	-6.79	-0.10	8.04e-04	0.0	-3.07e-04
2008	144	7.99	1.88	-0.10	-1.89e-04	0.0	-5.58e-04
2008	146	-6.11	2.33	-0.14	-2.33e-04	0.0	4.31e-04
2008	161	4.54	-7.63	-0.10	8.99e-04	0.0	-3.46e-04
2008	176	7.96	1.85	-0.10	-1.85e-04	0.0	-5.52e-04
2008	178	-6.08	2.29	-0.14	-2.29e-04	0.0	4.24e-04
2008	193	4.56	-7.52	-0.10	8.87e-04	0.0	-3.48e-04
2008	208	9.31	2.17	-0.09	-2.22e-04	0.0	-6.45e-04
2008	210	-7.16	2.68	-0.15	-2.72e-04	0.0	4.95e-04
2008	225	5.38	-8.73	-0.10	1.02e-03	0.0	-4.14e-04
2009	4	0.25	0.52	-0.20	-7.69e-06	0.0	-3.62e-06
2009	44	0.22	-1.42	-0.18	2.00e-04	0.0	-4.24e-06
2009	52	0.26	-0.22	-0.20	7.41e-05	0.0	-4.93e-06
2009	68	0.18	0.34	-0.15	-2.40e-06	0.0	-2.71e-06
2009	88	0.16	-0.96	-0.13	1.36e-04	0.0	-3.12e-06
2009	92	0.18	-0.15	-0.14	5.21e-05	0.0	-3.58e-06
2009	98	0.15	-0.13	-0.13	4.33e-05	0.0	-3.21e-06
2009	105	0.14	-0.28	-0.12	5.93e-05	0.0	-3.08e-06
2009	107	0.14	-0.12	-0.12	4.13e-05	0.0	-3.12e-06
2009	112	7.51	1.74	-0.11	-1.51e-04	0.0	-5.19e-04
2009	114	-5.69	2.16	-0.15	-1.90e-04	0.0	4.01e-04
2009	129	4.27	-7.17	-0.11	7.60e-04	0.0	-3.25e-04
2009	144	8.44	1.97	-0.10	-1.75e-04	0.0	-5.85e-04
2009	146	-6.43	2.44	-0.15	-2.19e-04	0.0	4.52e-04
2009	161	4.79	-8.05	-0.11	8.50e-04	0.0	-3.67e-04
2009	176	8.40	1.94	-0.10	-1.72e-04	0.0	-5.78e-04
2009	178	-6.40	2.40	-0.15	-2.15e-04	0.0	4.45e-04
2009	193	4.82	-7.94	-0.11	8.38e-04	0.0	-3.69e-04
2009	208	9.83	2.27	-0.10	-2.06e-04	0.0	-6.75e-04
2009	210	-7.54	2.81	-0.16	-2.56e-04	0.0	5.19e-04
2009	225	5.67	-9.22	-0.10	9.68e-04	0.0	-4.39e-04
2010	4	0.29	0.53	-0.22	5.42e-05	0.0	-4.47e-06
2010	44	0.25	-1.52	-0.19	1.77e-04	0.0	-4.56e-06
2010	52	0.29	-0.25	-0.22	1.05e-04	0.0	-5.45e-06
2010	68	0.20	0.34	-0.16	4.02e-05	0.0	-3.32e-06
2010	88	0.18	-1.03	-0.14	1.22e-04	0.0	-3.38e-06
2010	92	0.20	-0.18	-0.16	7.40e-05	0.0	-3.97e-06
2010	98	0.17	-0.15	-0.14	6.14e-05	0.0	-3.58e-06
2010	105	0.16	-0.31	-0.13	7.00e-05	0.0	-3.42e-06
2010	107	0.16	-0.14	-0.13	5.88e-05	0.0	-3.49e-06
2010	112	7.86	1.81	-0.12	-1.16e-04	0.0	-5.43e-04
2010	114	-5.93	2.25	-0.16	-1.56e-04	0.0	4.20e-04
2010	129	4.48	-7.54	-0.12	7.28e-04	0.0	-3.44e-04
2010	144	8.83	2.05	-0.11	-1.38e-04	0.0	-6.11e-04
2010	146	-6.71	2.55	-0.16	-1.83e-04	0.0	4.74e-04
2010	161	5.03	-8.46	-0.12	8.11e-04	0.0	-3.88e-04
2010	176	8.79	2.02	-0.11	-1.35e-04	0.0	-6.03e-04
2010	178	-6.67	2.50	-0.16	-1.78e-04	0.0	4.66e-04
2010	193	5.05	-8.34	-0.12	7.99e-04	0.0	-3.90e-04
2010	208	10.27	2.37	-0.11	-1.66e-04	0.0	-7.05e-04
2010	210	-7.85	2.93	-0.17	-2.17e-04	0.0	5.44e-04
2010	225	5.94	-9.68	-0.12	9.20e-04	0.0	-4.64e-04
2011	4	0.23	0.52	-0.23	-6.12e-06	0.0	0.0
2011	44	0.20	-1.33	-0.19	2.01e-04	0.0	-3.81e-06
2011	52	0.23	-0.18	-0.22	7.52e-05	0.0	-3.40e-06
2011	68	0.16	0.34	-0.16	-1.30e-06	0.0	0.0
2011	88	0.14	-0.89	-0.14	1.37e-04	0.0	-2.77e-06
2011	92	0.16	-0.13	-0.16	5.29e-05	0.0	-2.50e-06
2011	98	0.14	-0.11	-0.14	4.40e-05	0.0	-2.29e-06
2011	105	0.13	-0.26	-0.13	5.99e-05	0.0	-2.33e-06
2011	107	0.13	-0.10	-0.13	4.19e-05	0.0	-2.24e-06

2011	112	7.10	1.40	-0.13	-1.39e-04	0.0	-4.94e-04
2011	129	4.03	-6.90	-0.12	8.23e-04	0.0	-3.04e-04
2011	134	0.65	6.53	-0.15	-7.21e-04	0.0	-5.17e-05
2011	144	7.99	1.59	-0.13	-1.61e-04	0.0	-5.56e-04
2011	161	4.53	-7.75	-0.12	9.21e-04	0.0	-3.43e-04
2011	166	0.72	7.35	-0.16	-8.16e-04	0.0	-5.84e-05
2011	176	7.95	1.56	-0.13	-1.59e-04	0.0	-5.50e-04
2011	193	4.56	-7.64	-0.12	9.08e-04	0.0	-3.45e-04
2011	198	0.72	7.23	-0.15	-8.02e-04	0.0	-6.14e-05
2011	208	9.31	1.83	-0.13	-1.91e-04	0.0	-6.43e-04
2011	225	5.37	-8.88	-0.11	1.05e-03	0.0	-4.11e-04
2011	230	0.82	8.42	-0.16	-9.38e-04	0.0	-7.49e-05
2012	4	0.25	0.52	-0.24	-6.20e-06	0.0	-2.71e-06
2012	44	0.22	-1.43	-0.21	2.01e-04	0.0	-4.19e-06
2012	52	0.25	-0.22	-0.24	7.50e-05	0.0	-4.48e-06
2012	68	0.18	0.34	-0.17	-1.35e-06	0.0	-2.09e-06
2012	88	0.16	-0.96	-0.15	1.37e-04	0.0	-3.08e-06
2012	92	0.18	-0.15	-0.17	5.28e-05	0.0	-3.26e-06
2012	98	0.15	-0.13	-0.15	4.39e-05	0.0	-2.95e-06
2012	105	0.14	-0.29	-0.14	5.98e-05	0.0	-2.89e-06
2012	107	0.14	-0.12	-0.14	4.19e-05	0.0	-2.88e-06
2012	112	7.51	1.47	-0.14	-1.28e-04	0.0	-5.18e-04
2012	129	4.27	-7.29	-0.13	7.82e-04	0.0	-3.24e-04
2012	134	0.71	6.87	-0.16	-6.84e-04	0.0	-5.17e-05
2012	144	8.44	1.66	-0.13	-1.50e-04	0.0	-5.83e-04
2012	161	4.79	-8.19	-0.12	8.74e-04	0.0	-3.65e-04
2012	166	0.78	7.74	-0.16	-7.74e-04	0.0	-5.84e-05
2012	176	8.40	1.63	-0.13	-1.47e-04	0.0	-5.76e-04
2012	193	4.81	-8.08	-0.12	8.62e-04	0.0	-3.67e-04
2012	198	0.77	7.62	-0.16	-7.60e-04	0.0	-6.12e-05
2012	208	9.83	1.92	-0.13	-1.77e-04	0.0	-6.74e-04
2012	225	5.67	-9.38	-0.12	9.97e-04	0.0	-4.37e-04
2012	230	0.88	8.87	-0.17	-8.90e-04	0.0	-7.46e-05
2013	4	0.29	0.52	-0.27	5.33e-05	0.0	-4.58e-06
2013	44	0.25	-1.53	-0.23	1.78e-04	0.0	-4.54e-06
2013	52	0.29	-0.26	-0.26	1.05e-04	0.0	-5.54e-06
2013	68	0.20	0.34	-0.19	3.97e-05	0.0	-3.40e-06
2013	88	0.18	-1.03	-0.16	1.23e-04	0.0	-3.37e-06
2013	92	0.20	-0.18	-0.19	7.40e-05	0.0	-4.03e-06
2013	98	0.17	-0.15	-0.16	6.14e-05	0.0	-3.63e-06
2013	105	0.16	-0.32	-0.15	7.01e-05	0.0	-3.46e-06
2013	107	0.16	-0.14	-0.16	5.88e-05	0.0	-3.54e-06
2013	112	7.86	1.53	-0.15	-9.27e-05	0.0	-5.42e-04
2013	129	4.48	-7.67	-0.14	7.23e-04	0.0	-3.44e-04
2013	134	0.76	7.20	-0.18	-5.83e-04	0.0	-5.15e-05
2013	144	8.83	1.73	-0.15	-1.12e-04	0.0	-6.11e-04
2013	161	5.03	-8.61	-0.14	8.06e-04	0.0	-3.88e-04
2013	166	0.83	8.11	-0.18	-6.63e-04	0.0	-5.81e-05
2013	176	8.79	1.70	-0.15	-1.09e-04	0.0	-6.03e-04
2013	193	5.05	-8.49	-0.14	7.94e-04	0.0	-3.90e-04
2013	198	0.83	7.98	-0.18	-6.51e-04	0.0	-6.07e-05
2013	208	10.27	2.00	-0.15	-1.36e-04	0.0	-7.05e-04
2013	225	5.94	-9.86	-0.13	9.14e-04	0.0	-4.64e-04
2013	230	0.94	9.30	-0.18	-7.66e-04	0.0	-7.39e-05
2014	4	0.23	0.52	-0.29	-4.25e-06	0.0	1.87e-06
2014	44	0.20	-1.33	-0.24	2.01e-04	0.0	-3.44e-06
2014	52	0.23	-0.18	-0.28	7.63e-05	0.0	-1.74e-06
2014	68	0.16	0.34	-0.21	0.0	0.0	1.06e-06
2014	88	0.14	-0.89	-0.18	1.37e-04	0.0	-2.48e-06
2014	92	0.16	-0.13	-0.20	5.37e-05	0.0	-1.34e-06
2014	98	0.14	-0.11	-0.17	4.47e-05	0.0	-1.36e-06
2014	105	0.13	-0.26	-0.16	6.05e-05	0.0	-1.58e-06
2014	107	0.13	-0.10	-0.17	4.26e-05	0.0	-1.35e-06
2014	112	7.10	1.14	-0.17	-1.14e-04	0.0	-4.92e-04
2014	129	4.03	-7.00	-0.14	8.45e-04	0.0	-3.02e-04
2014	130	-3.77	6.80	-0.19	-7.60e-04	0.0	2.99e-04
2014	144	7.99	1.29	-0.17	-1.33e-04	0.0	-5.54e-04
2014	161	4.53	-7.86	-0.14	9.45e-04	0.0	-3.41e-04
2014	162	-4.27	7.66	-0.19	-8.60e-04	0.0	3.38e-04
2014	176	7.95	1.27	-0.17	-1.31e-04	0.0	-5.48e-04
2014	193	4.55	-7.77	-0.14	9.33e-04	0.0	-3.42e-04
2014	194	-4.30	7.56	-0.19	-8.48e-04	0.0	3.40e-04
2014	208	9.31	1.49	-0.17	-1.59e-04	0.0	-6.41e-04
2014	225	5.37	-9.03	-0.13	1.08e-03	0.0	-4.08e-04
2014	226	-5.11	8.82	-0.20	-9.94e-04	0.0	4.05e-04

2015	4	0.25	0.52	-0.31	-3.76e-06	0.0	0.0
2015	44	0.22	-1.43	-0.26	2.01e-04	0.0	-3.65e-06
2015	52	0.25	-0.22	-0.30	7.63e-05	0.0	-3.06e-06
2015	68	0.18	0.34	-0.22	0.0	0.0	0.0
2015	88	0.16	-0.96	-0.19	1.37e-04	0.0	-2.67e-06
2015	92	0.18	-0.16	-0.21	5.37e-05	0.0	-2.28e-06
2015	98	0.15	-0.13	-0.18	4.47e-05	0.0	-2.16e-06
2015	105	0.14	-0.29	-0.17	6.05e-05	0.0	-2.23e-06
2015	107	0.14	-0.12	-0.18	4.26e-05	0.0	-2.13e-06
2015	112	7.51	1.19	-0.18	-1.05e-04	0.0	-5.17e-04
2015	129	4.27	-7.40	-0.15	8.07e-04	0.0	-3.22e-04
2015	130	-3.99	7.16	-0.20	-7.22e-04	0.0	3.17e-04
2015	144	8.44	1.36	-0.18	-1.23e-04	0.0	-5.82e-04
2015	161	4.79	-8.32	-0.15	9.03e-04	0.0	-3.63e-04
2015	162	-4.51	8.07	-0.21	-8.17e-04	0.0	3.59e-04
2015	176	8.40	1.33	-0.18	-1.21e-04	0.0	-5.75e-04
2015	193	4.81	-8.21	-0.15	8.91e-04	0.0	-3.65e-04
2015	194	-4.53	7.97	-0.21	-8.06e-04	0.0	3.61e-04
2015	208	9.83	1.56	-0.18	-1.47e-04	0.0	-6.73e-04
2015	225	5.67	-9.55	-0.14	1.03e-03	0.0	-4.34e-04
2015	226	-5.39	9.30	-0.21	-9.45e-04	0.0	4.30e-04
2016	4	0.29	0.52	-0.34	5.30e-05	0.0	-5.06e-06
2016	44	0.25	-1.53	-0.29	1.80e-04	0.0	-4.71e-06
2016	52	0.29	-0.26	-0.33	1.06e-04	0.0	-5.94e-06
2016	68	0.20	0.34	-0.24	3.96e-05	0.0	-3.73e-06
2016	88	0.18	-1.03	-0.20	1.24e-04	0.0	-3.49e-06
2016	92	0.20	-0.18	-0.24	7.46e-05	0.0	-4.31e-06
2016	98	0.17	-0.15	-0.20	6.20e-05	0.0	-3.85e-06
2016	105	0.16	-0.32	-0.19	7.09e-05	0.0	-3.65e-06
2016	107	0.16	-0.14	-0.19	5.95e-05	0.0	-3.75e-06
2016	112	7.86	1.24	-0.19	-6.87e-05	0.0	-5.43e-04
2016	129	4.48	-7.79	-0.17	7.10e-04	0.0	-3.44e-04
2016	130	-4.15	7.51	-0.22	-5.91e-04	0.0	3.36e-04
2016	144	8.83	1.41	-0.19	-8.46e-05	0.0	-6.11e-04
2016	161	5.03	-8.75	-0.16	7.91e-04	0.0	-3.87e-04
2016	162	-4.71	8.46	-0.22	-6.72e-04	0.0	3.80e-04
2016	176	8.79	1.39	-0.19	-8.22e-05	0.0	-6.03e-04
2016	193	5.05	-8.65	-0.16	7.81e-04	0.0	-3.90e-04
2016	194	-4.72	8.36	-0.22	-6.62e-04	0.0	3.83e-04
2016	208	10.28	1.63	-0.19	-1.05e-04	0.0	-7.05e-04
2016	225	5.94	-10.04	-0.16	8.99e-04	0.0	-4.64e-04
2016	226	-5.62	9.76	-0.23	-7.80e-04	0.0	4.56e-04
2017	4	0.23	0.52	-0.39	-2.12e-06	0.0	6.17e-06
2017	44	0.20	-1.33	-0.33	2.01e-04	0.0	-2.51e-06
2017	52	0.23	-0.18	-0.38	7.73e-05	0.0	1.14e-06
2017	68	0.16	0.34	-0.28	1.48e-06	0.0	4.01e-06
2017	88	0.14	-0.89	-0.23	1.37e-04	0.0	-1.78e-06
2017	92	0.16	-0.13	-0.27	5.44e-05	0.0	0.0
2017	98	0.13	-0.11	-0.23	4.53e-05	0.0	0.0
2017	105	0.13	-0.26	-0.22	6.10e-05	0.0	0.0
2017	107	0.13	-0.10	-0.22	4.33e-05	0.0	0.0
2017	112	7.10	0.88	-0.24	-8.88e-05	0.0	-4.92e-04
2017	128	-0.69	6.30	-0.26	-7.21e-04	0.0	2.97e-05
2017	129	4.03	-7.10	-0.18	8.70e-04	0.0	-3.01e-04
2017	144	7.98	1.00	-0.24	-1.05e-04	0.0	-5.54e-04
2017	160	-0.78	7.10	-0.27	-8.16e-04	0.0	3.34e-05
2017	161	4.53	-7.98	-0.17	9.73e-04	0.0	-3.40e-04
2017	176	7.95	0.98	-0.24	-1.04e-04	0.0	-5.49e-04
2017	192	-0.73	7.00	-0.27	-8.04e-04	0.0	3.01e-05
2017	193	4.55	-7.88	-0.17	9.61e-04	0.0	-3.42e-04
2017	208	9.30	1.15	-0.24	-1.27e-04	0.0	-6.42e-04
2017	224	-0.83	8.15	-0.28	-9.41e-04	0.0	3.26e-05
2017	225	5.37	-9.17	-0.16	1.11e-03	0.0	-4.08e-04
2018	4	0.25	0.52	-0.42	0.0	0.0	4.15e-06
2018	44	0.22	-1.43	-0.35	2.01e-04	0.0	-1.78e-06
2018	52	0.25	-0.22	-0.41	7.85e-05	0.0	0.0
2018	68	0.17	0.34	-0.29	3.14e-06	0.0	2.62e-06
2018	88	0.16	-0.96	-0.25	1.37e-04	0.0	-1.33e-06
2018	92	0.18	-0.16	-0.29	5.53e-05	0.0	0.0
2018	98	0.15	-0.13	-0.24	4.60e-05	0.0	0.0
2018	105	0.14	-0.29	-0.23	6.15e-05	0.0	0.0
2018	107	0.14	-0.12	-0.23	4.39e-05	0.0	0.0
2018	112	7.51	0.92	-0.25	-8.07e-05	0.0	-5.16e-04
2018	128	-0.74	6.65	-0.28	-6.85e-04	0.0	3.46e-05
2018	129	4.27	-7.52	-0.19	8.36e-04	0.0	-3.21e-04

2018	144	8.45	1.05	-0.25	-9.61e-05	0.0	-5.81e-04
2018	160	-0.84	7.49	-0.29	-7.76e-04	0.0	3.90e-05
2018	161	4.80	-8.44	-0.18	9.35e-04	0.0	-3.62e-04
2018	176	8.41	1.03	-0.25	-9.43e-05	0.0	-5.74e-04
2018	192	-0.79	7.39	-0.28	-7.64e-04	0.0	3.60e-05
2018	193	4.82	-8.35	-0.18	9.24e-04	0.0	-3.65e-04
2018	208	9.84	1.20	-0.26	-1.17e-04	0.0	-6.72e-04
2018	224	-0.89	8.60	-0.29	-8.95e-04	0.0	3.97e-05
2018	225	5.68	-9.71	-0.17	1.07e-03	0.0	-4.34e-04
2019	4	0.29	0.52	-0.46	5.57e-05	0.0	-6.59e-06
2019	44	0.25	-1.53	-0.38	1.84e-04	0.0	-5.58e-06
2019	52	0.29	-0.26	-0.45	1.10e-04	0.0	-7.31e-06
2019	68	0.20	0.33	-0.32	4.16e-05	0.0	-4.79e-06
2019	88	0.18	-1.03	-0.27	1.27e-04	0.0	-4.11e-06
2019	92	0.20	-0.18	-0.32	7.75e-05	0.0	-5.27e-06
2019	98	0.17	-0.15	-0.27	6.44e-05	0.0	-4.62e-06
2019	105	0.16	-0.32	-0.25	7.33e-05	0.0	-4.33e-06
2019	107	0.16	-0.15	-0.25	6.18e-05	0.0	-4.47e-06
2019	112	7.86	0.96	-0.27	-4.32e-05	0.0	-5.43e-04
2019	129	4.48	-7.92	-0.20	6.90e-04	0.0	-3.44e-04
2019	130	-4.15	7.63	-0.31	-5.66e-04	0.0	3.35e-04
2019	144	8.83	1.09	-0.28	-5.62e-05	0.0	-6.11e-04
2019	161	5.03	-8.90	-0.20	7.68e-04	0.0	-3.88e-04
2019	162	-4.71	8.61	-0.31	-6.45e-04	0.0	3.79e-04
2019	176	8.79	1.07	-0.28	-5.40e-05	0.0	-6.04e-04
2019	193	5.05	-8.80	-0.20	7.58e-04	0.0	-3.90e-04
2019	194	-4.72	8.50	-0.31	-6.35e-04	0.0	3.81e-04
2019	208	10.27	1.26	-0.28	-7.22e-05	0.0	-7.06e-04
2019	225	5.94	-10.23	-0.19	8.73e-04	0.0	-4.64e-04
2019	226	-5.62	9.94	-0.32	-7.49e-04	0.0	4.55e-04
2020	4	0.23	0.52	-0.56	-1.42e-06	0.0	1.05e-05
2020	44	0.20	-1.33	-0.45	2.00e-04	0.0	-1.56e-06
2020	52	0.23	-0.18	-0.54	7.67e-05	0.0	4.15e-06
2020	68	0.16	0.34	-0.39	1.97e-06	0.0	6.96e-06
2020	88	0.14	-0.89	-0.32	1.36e-04	0.0	-1.07e-06
2020	92	0.16	-0.13	-0.38	5.41e-05	0.0	2.74e-06
2020	98	0.13	-0.11	-0.32	4.51e-05	0.0	1.93e-06
2020	105	0.13	-0.26	-0.30	6.07e-05	0.0	1.10e-06
2020	107	0.13	-0.10	-0.30	4.31e-05	0.0	1.74e-06
2020	112	7.10	0.62	-0.33	-6.55e-05	0.0	-4.96e-04
2020	124	-0.35	6.27	-0.38	-7.39e-04	0.0	3.68e-05
2020	129	4.03	-7.20	-0.22	9.01e-04	0.0	-3.05e-04
2020	144	7.98	0.71	-0.34	-7.88e-05	0.0	-5.59e-04
2020	156	-0.41	7.06	-0.39	-8.36e-04	0.0	4.16e-05
2020	161	4.53	-8.09	-0.22	1.01e-03	0.0	-3.44e-04
2020	176	7.95	0.69	-0.34	-7.82e-05	0.0	-5.54e-04
2020	188	-0.41	6.98	-0.39	-8.26e-04	0.0	4.30e-05
2020	193	4.55	-8.00	-0.22	9.96e-04	0.0	-3.47e-04
2020	208	9.30	0.81	-0.34	-9.80e-05	0.0	-6.49e-04
2020	220	-0.50	8.14	-0.41	-9.68e-04	0.0	5.27e-05
2020	225	5.36	-9.32	-0.20	1.15e-03	0.0	-4.14e-04
2021	4	0.25	0.52	-0.59	6.66e-06	0.0	1.45e-05
2021	28	0.25	-0.96	-0.56	1.60e-04	0.0	6.87e-06
2021	44	0.22	-1.43	-0.48	2.02e-04	0.0	3.42e-06
2021	68	0.17	0.34	-0.41	7.50e-06	0.0	9.76e-06
2021	80	0.17	-0.65	-0.40	1.10e-04	0.0	4.66e-06
2021	88	0.15	-0.96	-0.34	1.38e-04	0.0	2.37e-06
2021	98	0.14	-0.13	-0.34	4.81e-05	0.0	4.86e-06
2021	105	0.14	-0.29	-0.32	6.32e-05	0.0	3.90e-06
2021	107	0.14	-0.12	-0.32	4.59e-05	0.0	4.49e-06
2021	112	7.52	0.65	-0.36	-5.64e-05	0.0	-5.16e-04
2021	124	-0.38	6.62	-0.41	-6.99e-04	0.0	4.97e-05
2021	129	4.27	-7.63	-0.24	8.65e-04	0.0	-3.26e-04
2021	144	8.46	0.74	-0.36	-6.89e-05	0.0	-5.82e-04
2021	156	-0.45	7.46	-0.42	-7.92e-04	0.0	5.60e-05
2021	161	4.80	-8.58	-0.23	9.68e-04	0.0	-3.69e-04
2021	176	8.42	0.72	-0.36	-6.80e-05	0.0	-5.76e-04
2021	188	-0.44	7.37	-0.42	-7.82e-04	0.0	5.83e-05
2021	193	4.82	-8.48	-0.23	9.57e-04	0.0	-3.72e-04
2021	208	9.85	0.85	-0.36	-8.64e-05	0.0	-6.75e-04
2021	220	-0.54	8.60	-0.43	-9.17e-04	0.0	7.06e-05
2021	225	5.68	-9.87	-0.22	1.11e-03	0.0	-4.44e-04
2022	4	0.29	0.51	-0.65	6.72e-05	0.0	-9.55e-06
2022	44	0.25	-1.53	-0.53	1.95e-04	0.0	-7.37e-06
2022	52	0.29	-0.26	-0.64	1.22e-04	0.0	-9.99e-06

2022	68	0.20	0.33	-0.46	4.96e-05	0.0	-6.83e-06
2022	88	0.18	-1.03	-0.38	1.35e-04	0.0	-5.37e-06
2022	92	0.20	-0.19	-0.45	8.61e-05	0.0	-7.12e-06
2022	98	0.17	-0.16	-0.37	7.14e-05	0.0	-6.09e-06
2022	105	0.16	-0.32	-0.35	8.00e-05	0.0	-5.65e-06
2022	107	0.16	-0.15	-0.35	6.85e-05	0.0	-5.86e-06
2022	112	7.86	0.68	-0.39	-1.42e-05	0.0	-5.44e-04
2022	124	-0.39	6.96	-0.44	-4.73e-04	0.0	3.91e-05
2022	129	4.48	-8.06	-0.27	6.55e-04	0.0	-3.45e-04
2022	144	8.83	0.78	-0.40	-2.44e-05	0.0	-6.12e-04
2022	156	-0.46	7.85	-0.46	-5.41e-04	0.0	4.52e-05
2022	161	5.03	-9.05	-0.26	7.28e-04	0.0	-3.88e-04
2022	176	8.79	0.76	-0.39	-2.27e-05	0.0	-6.05e-04
2022	188	-0.46	7.75	-0.45	-5.32e-04	0.0	4.73e-05
2022	193	5.05	-8.95	-0.26	7.19e-04	0.0	-3.91e-04
2022	208	10.27	0.89	-0.40	-3.68e-05	0.0	-7.06e-04
2022	220	-0.56	9.04	-0.47	-6.30e-04	0.0	5.95e-05
2022	225	5.94	-10.41	-0.24	8.26e-04	0.0	-4.64e-04
2023	4	0.23	0.53	-0.82	-7.56e-06	0.0	8.67e-06
2023	44	0.20	-1.33	-0.66	1.94e-04	0.0	-3.35e-06
2023	52	0.23	-0.18	-0.80	6.97e-05	0.0	2.24e-06
2023	68	0.16	0.35	-0.58	-2.28e-06	0.0	5.69e-06
2023	88	0.14	-0.89	-0.47	1.32e-04	0.0	-2.32e-06
2023	92	0.16	-0.12	-0.56	4.92e-05	0.0	1.40e-06
2023	98	0.13	-0.10	-0.46	4.13e-05	0.0	0.0
2023	105	0.13	-0.26	-0.43	5.71e-05	0.0	0.0
2023	107	0.13	-0.10	-0.44	3.95e-05	0.0	0.0
2023	112	7.09	0.36	-0.50	-4.78e-05	0.0	-5.03e-04
2023	124	-0.35	6.23	-0.59	-7.77e-04	0.0	3.31e-05
2023	129	4.03	-7.31	-0.30	9.50e-04	0.0	-3.07e-04
2023	144	7.98	0.41	-0.50	-5.84e-05	0.0	-5.67e-04
2023	156	-0.41	7.02	-0.60	-8.79e-04	0.0	3.76e-05
2023	161	4.52	-8.21	-0.29	1.06e-03	0.0	-3.47e-04
2023	176	7.94	0.40	-0.50	-5.88e-05	0.0	-5.63e-04
2023	188	-0.41	6.93	-0.60	-8.69e-04	0.0	3.87e-05
2023	193	4.55	-8.13	-0.29	1.05e-03	0.0	-3.50e-04
2023	208	9.30	0.46	-0.51	-7.50e-05	0.0	-6.60e-04
2023	220	-0.50	8.09	-0.63	-1.02e-03	0.0	4.76e-05
2023	225	5.36	-9.47	-0.26	1.22e-03	0.0	-4.17e-04
2024	4	0.24	0.53	-0.90	1.40e-05	0.0	3.33e-05
2024	28	0.25	-0.96	-0.86	1.62e-04	0.0	2.21e-05
2024	44	0.22	-1.43	-0.72	2.02e-04	0.0	1.49e-05
2024	68	0.17	0.35	-0.63	1.26e-05	0.0	2.27e-05
2024	80	0.17	-0.65	-0.60	1.11e-04	0.0	1.53e-05
2024	88	0.15	-0.96	-0.51	1.38e-04	0.0	1.04e-05
2024	98	0.14	-0.13	-0.50	5.05e-05	0.0	1.45e-05
2024	105	0.14	-0.28	-0.47	6.50e-05	0.0	1.25e-05
2024	107	0.14	-0.12	-0.48	4.82e-05	0.0	1.35e-05
2024	112	7.54	0.38	-0.55	-3.32e-05	0.0	-5.25e-04
2024	129	4.28	-7.76	-0.31	8.90e-04	0.0	-3.50e-04
2024	130	-4.00	7.52	-0.64	-7.93e-04	0.0	3.77e-04
2024	144	8.48	0.44	-0.55	-4.31e-05	0.0	-5.94e-04
2024	161	4.81	-8.72	-0.29	9.95e-04	0.0	-3.97e-04
2024	162	-4.53	8.48	-0.66	-8.99e-04	0.0	4.24e-04
2024	176	8.44	0.43	-0.55	-4.35e-05	0.0	-5.87e-04
2024	193	4.83	-8.64	-0.30	9.84e-04	0.0	-4.02e-04
2024	194	-4.55	8.40	-0.66	-8.87e-04	0.0	4.29e-04
2024	208	9.87	0.50	-0.56	-5.87e-05	0.0	-6.90e-04
2024	225	5.69	-10.06	-0.27	1.14e-03	0.0	-4.82e-04
2024	226	-5.41	9.82	-0.69	-1.04e-03	0.0	5.09e-04
2025	4	0.29	0.51	-1.00	1.07e-04	0.0	-1.07e-05
2025	44	0.25	-1.54	-0.81	2.26e-04	0.0	-8.01e-06
2025	52	0.29	-0.27	-0.98	1.61e-04	0.0	-1.10e-05
2025	68	0.20	0.33	-0.70	7.73e-05	0.0	-7.59e-06
2025	88	0.18	-1.03	-0.57	1.56e-04	0.0	-5.81e-06
2025	92	0.20	-0.19	-0.68	1.13e-04	0.0	-7.83e-06
2025	98	0.17	-0.16	-0.56	9.29e-05	0.0	-6.62e-06
2025	105	0.16	-0.32	-0.52	9.99e-05	0.0	-6.11e-06
2025	107	0.16	-0.15	-0.53	8.88e-05	0.0	-6.35e-06
2025	112	7.85	0.39	-0.54	2.60e-05	0.0	-5.44e-04
2025	129	4.48	-8.19	-0.35	6.41e-04	0.0	-3.44e-04
2025	130	-4.15	7.89	-0.71	-4.64e-04	0.0	3.31e-04
2025	144	8.83	0.46	-0.55	1.83e-05	0.0	-6.12e-04
2025	161	5.03	-9.20	-0.33	7.10e-04	0.0	-3.88e-04
2025	162	-4.70	8.90	-0.73	-5.33e-04	0.0	3.75e-04

2025	176	8.78	0.44	-0.55	1.93e-05	0.0	-6.05e-04
2025	193	5.05	-9.11	-0.33	7.02e-04	0.0	-3.90e-04
2025	194	-4.72	8.81	-0.73	-5.24e-04	0.0	3.77e-04
2025	208	10.27	0.52	-0.55	8.47e-06	0.0	-7.06e-04
2025	225	5.94	-10.60	-0.30	8.03e-04	0.0	-4.63e-04
2025	226	-5.62	10.30	-0.76	-6.26e-04	0.0	4.51e-04
2026	4	0.23	0.53	-1.03	-2.59e-05	3.28e-05	2.86e-06
2026	28	0.23	-0.88	-0.97	1.32e-04	3.42e-05	-3.82e-06
2026	44	0.20	-1.33	-0.82	1.81e-04	3.17e-05	-5.29e-06
2026	68	0.16	0.35	-0.72	-1.50e-05	2.35e-05	1.71e-06
2026	80	0.16	-0.60	-0.68	9.04e-05	2.45e-05	-2.74e-06
2026	88	0.14	-0.90	-0.58	1.23e-04	2.29e-05	-3.72e-06
2026	98	0.13	-0.11	-0.57	3.11e-05	2.07e-05	-1.30e-06
2026	105	0.13	-0.26	-0.54	4.79e-05	2.02e-05	-1.78e-06
2026	107	0.13	-0.10	-0.54	2.99e-05	2.00e-05	-1.33e-06
2026	112	7.08	0.09	-0.74	-3.96e-05	6.94e-04	-5.16e-04
2026	124	-0.35	6.15	-0.84	-8.61e-04	5.58e-04	3.62e-05
2026	129	4.02	-7.39	-0.32	1.04e-03	-1.07e-04	-3.23e-04
2026	144	7.97	0.11	-0.76	-4.80e-05	7.79e-04	-5.81e-04
2026	156	-0.41	6.93	-0.88	-9.72e-04	6.25e-04	4.15e-05
2026	161	4.52	-8.31	-0.29	1.16e-03	-1.22e-04	-3.64e-04
2026	176	7.93	0.10	-0.75	-4.94e-05	7.68e-04	-5.76e-04
2026	188	-0.41	6.85	-0.87	-9.61e-04	6.15e-04	4.37e-05
2026	193	4.54	-8.23	-0.30	1.15e-03	-1.17e-04	-3.68e-04
2026	208	9.28	0.11	-0.79	-6.28e-05	8.94e-04	-6.75e-04
2026	220	-0.50	8.00	-0.93	-1.12e-03	7.14e-04	5.44e-05
2026	225	5.35	-9.59	-0.26	1.33e-03	-1.34e-04	-4.39e-04
2027	4	0.20	0.60	-1.08	1.34e-05	5.51e-05	3.39e-05
2027	28	0.21	-0.91	-1.03	1.57e-04	5.49e-05	2.86e-05
2027	44	0.18	-1.40	-0.86	1.97e-04	4.82e-05	2.23e-05
2027	68	0.14	0.39	-0.76	1.21e-05	3.88e-05	2.31e-05
2027	80	0.15	-0.61	-0.72	1.08e-04	3.87e-05	1.96e-05
2027	88	0.13	-0.94	-0.61	1.34e-04	3.42e-05	1.54e-05
2027	98	0.12	-0.10	-0.60	4.87e-05	3.25e-05	1.65e-05
2027	105	0.12	-0.26	-0.56	6.30e-05	3.10e-05	1.50e-05
2027	107	0.12	-0.09	-0.57	4.65e-05	3.11e-05	1.54e-05
2027	112	7.54	0.14	-0.77	-3.35e-04	7.73e-04	-5.32e-04
2027	124	-0.40	6.65	-0.88	-8.27e-04	5.06e-04	5.16e-05
2027	129	4.27	-7.94	-0.34	9.22e-04	-9.14e-05	-3.22e-04
2027	144	8.48	0.17	-0.80	-3.82e-04	8.67e-04	-6.01e-04
2027	156	-0.47	7.50	-0.92	-9.36e-04	5.66e-04	5.68e-05
2027	161	4.80	-8.93	-0.31	1.03e-03	-1.06e-04	-3.65e-04
2027	176	8.44	0.15	-0.79	-3.71e-04	8.54e-04	-5.97e-04
2027	188	-0.46	7.41	-0.91	-9.22e-04	5.57e-04	5.93e-05
2027	193	4.82	-8.85	-0.32	1.02e-03	-1.01e-04	-3.71e-04
2027	208	9.88	0.17	-0.82	-4.36e-04	9.91e-04	-7.03e-04
2027	220	-0.56	8.65	-0.97	-1.08e-03	6.43e-04	7.00e-05
2027	225	5.68	-10.31	-0.27	1.18e-03	-1.18e-04	-4.46e-04
2028	4	0.29	0.51	-1.17	2.66e-04	2.17e-04	-4.61e-06
2028	44	0.25	-1.54	-0.94	3.34e-04	1.71e-04	-4.03e-06
2028	52	0.29	-0.27	-1.14	3.07e-04	2.12e-04	-5.37e-06
2028	68	0.20	0.33	-0.82	1.87e-04	1.51e-04	-3.23e-06
2028	88	0.18	-1.04	-0.66	2.32e-04	1.20e-04	-2.84e-06
2028	92	0.20	-0.19	-0.80	2.14e-04	1.47e-04	-3.73e-06
2028	98	0.17	-0.16	-0.65	1.74e-04	1.20e-04	-3.01e-06
2028	105	0.16	-0.33	-0.61	1.74e-04	1.12e-04	-2.77e-06
2028	107	0.16	-0.15	-0.62	1.65e-04	1.13e-04	-2.85e-06
2028	112	7.85	0.11	-0.82	-1.05e-05	4.88e-04	-5.47e-04
2028	124	-0.39	6.88	-0.94	-2.54e-04	3.99e-04	4.24e-05
2028	129	4.48	-8.32	-0.38	5.41e-04	7.66e-06	-3.47e-04
2028	144	8.83	0.14	-0.85	-3.23e-05	5.36e-04	-6.16e-04
2028	156	-0.46	7.76	-0.98	-3.06e-04	4.35e-04	4.86e-05
2028	161	5.03	-9.34	-0.35	5.88e-04	-5.25e-06	-3.92e-04
2028	176	8.78	0.12	-0.84	-2.40e-05	5.28e-04	-6.08e-04
2028	188	-0.46	7.67	-0.97	-2.98e-04	4.30e-04	5.07e-05
2028	193	5.04	-9.26	-0.36	5.84e-04	-2.28e-06	-3.95e-04
2028	208	10.27	0.15	-0.88	-5.20e-05	5.97e-04	-7.10e-04
2028	220	-0.56	8.96	-1.03	-3.74e-04	4.81e-04	6.30e-05
2028	225	5.94	-10.78	-0.31	6.52e-04	-1.84e-05	-4.70e-04
2029	4	0.25	0.55	-0.64	4.38e-06	0.0	-2.85e-05
2029	44	0.22	-1.31	-0.52	1.96e-04	0.0	-5.51e-06
2029	68	0.18	0.36	-0.45	5.70e-06	0.0	-1.97e-05
2029	88	0.15	-0.88	-0.37	1.34e-04	0.0	-4.36e-06
2029	98	0.15	-0.09	-0.36	4.52e-05	0.0	-1.08e-05
2029	105	0.14	-0.24	-0.34	6.02e-05	0.0	-8.90e-06

2029	107	0.14	-0.08	-0.35	4.31e-05	0.0	-1.03e-05
2029	112	7.12	3.09	-0.47	-3.15e-04	0.0	-3.75e-04
2029	124	-0.35	6.66	-0.49	-7.33e-04	0.0	7.68e-05
2029	139	-3.80	-7.14	-0.25	8.52e-04	0.0	-4.23e-05
2029	144	8.00	3.49	-0.48	-3.59e-04	0.0	-4.21e-04
2029	156	-0.41	7.50	-0.51	-8.29e-04	0.0	8.83e-05
2029	171	-4.31	-8.03	-0.24	9.53e-04	0.0	-4.60e-05
2029	176	7.97	3.44	-0.48	-3.54e-04	0.0	-4.15e-04
2029	188	-0.41	7.37	-0.51	-8.13e-04	0.0	9.15e-05
2029	203	-4.33	-7.94	-0.24	9.43e-04	0.0	-4.02e-05
2029	208	9.32	4.03	-0.51	-4.19e-04	0.0	-4.83e-04
2029	220	-0.50	8.57	-0.53	-9.51e-04	0.0	1.12e-04
2029	235	-5.16	-9.25	-0.22	1.09e-03	0.0	-4.16e-05
2030	4	0.27	0.55	-0.64	3.25e-06	0.0	-2.64e-05
2030	44	0.23	-1.21	-0.52	1.96e-04	0.0	-1.24e-06
2030	68	0.19	0.36	-0.45	4.92e-06	0.0	-1.82e-05
2030	88	0.16	-0.81	-0.37	1.33e-04	0.0	-1.43e-06
2030	98	0.16	-0.07	-0.36	4.48e-05	0.0	-8.54e-06
2030	105	0.15	-0.21	-0.34	5.98e-05	0.0	-6.69e-06
2030	107	0.15	-0.06	-0.35	4.27e-05	0.0	-8.18e-06
2030	112	6.79	2.93	-0.46	-3.16e-04	0.0	-3.41e-04
2030	124	-0.31	6.30	-0.49	-7.36e-04	0.0	1.16e-04
2030	139	-3.60	-6.72	-0.25	8.56e-04	0.0	-5.65e-05
2030	144	7.63	3.31	-0.48	-3.61e-04	0.0	-3.84e-04
2030	156	-0.37	7.09	-0.51	-8.33e-04	0.0	1.32e-04
2030	171	-4.08	-7.55	-0.24	9.57e-04	0.0	-6.20e-05
2030	176	7.60	3.27	-0.48	-3.56e-04	0.0	-3.79e-04
2030	188	-0.37	6.96	-0.50	-8.17e-04	0.0	1.35e-04
2030	203	-4.10	-7.47	-0.24	9.47e-04	0.0	-5.37e-05
2030	208	8.89	3.82	-0.50	-4.21e-04	0.0	-4.41e-04
2030	220	-0.45	8.10	-0.53	-9.56e-04	0.0	1.62e-04
2030	235	-4.89	-8.70	-0.22	1.10e-03	0.0	-5.61e-05
2031	4	0.25	0.55	-0.64	7.85e-06	0.0	-2.07e-05
2031	44	0.22	-1.41	-0.52	1.98e-04	0.0	-6.92e-06
2031	52	0.25	-0.19	-0.63	8.04e-05	0.0	-1.51e-05
2031	68	0.17	0.36	-0.45	8.08e-06	0.0	-1.44e-05
2031	88	0.15	-0.95	-0.37	1.35e-04	0.0	-5.21e-06
2031	92	0.17	-0.14	-0.44	5.65e-05	0.0	-1.07e-05
2031	98	0.14	-0.11	-0.37	4.67e-05	0.0	-9.03e-06
2031	105	0.14	-0.27	-0.35	6.15e-05	0.0	-7.77e-06
2031	107	0.14	-0.11	-0.35	4.45e-05	0.0	-8.62e-06
2031	112	7.54	3.24	-0.47	-3.09e-04	0.0	-5.05e-04
2031	124	-0.39	7.02	-0.49	-7.22e-04	0.0	5.59e-05
2031	139	-4.05	-7.57	-0.25	8.42e-04	0.0	3.01e-04
2031	144	8.47	3.66	-0.49	-3.53e-04	0.0	-5.68e-04
2031	156	-0.45	7.91	-0.51	-8.17e-04	0.0	6.45e-05
2031	171	-4.59	-8.50	-0.24	9.41e-04	0.0	3.41e-04
2031	176	8.43	3.62	-0.49	-3.48e-04	0.0	-5.60e-04
2031	188	-0.45	7.77	-0.51	-8.02e-04	0.0	6.76e-05
2031	203	-4.61	-8.41	-0.24	9.31e-04	0.0	3.41e-04
2031	208	9.87	4.23	-0.51	-4.13e-04	0.0	-6.53e-04
2031	220	-0.54	9.04	-0.53	-9.38e-04	0.0	8.38e-05
2031	235	-5.48	-9.79	-0.22	1.08e-03	0.0	4.07e-04
2032	4	0.29	0.54	-0.64	1.04e-05	0.0	-6.45e-06
2032	44	0.25	-1.51	-0.52	1.99e-04	0.0	-5.45e-06
2032	52	0.29	-0.24	-0.62	8.24e-05	0.0	-6.79e-06
2032	68	0.20	0.35	-0.45	9.84e-06	0.0	-4.66e-06
2032	88	0.18	-1.01	-0.37	1.35e-04	0.0	-4.00e-06
2032	92	0.20	-0.16	-0.44	5.78e-05	0.0	-4.89e-06
2032	98	0.17	-0.14	-0.36	4.78e-05	0.0	-4.32e-06
2032	105	0.16	-0.30	-0.34	6.24e-05	0.0	-4.08e-06
2032	107	0.16	-0.13	-0.35	4.56e-05	0.0	-4.18e-06
2032	112	7.85	3.39	-0.47	-3.05e-04	0.0	-5.39e-04
2032	124	-0.39	7.38	-0.49	-7.15e-04	0.0	4.30e-05
2032	139	-4.19	-7.98	-0.25	8.36e-04	0.0	3.35e-04
2032	144	8.83	3.84	-0.49	-3.49e-04	0.0	-6.07e-04
2032	156	-0.46	8.31	-0.51	-8.10e-04	0.0	4.94e-05
2032	171	-4.75	-8.96	-0.24	9.35e-04	0.0	3.79e-04
2032	176	8.78	3.79	-0.48	-3.44e-04	0.0	-6.00e-04
2032	188	-0.46	8.17	-0.51	-7.95e-04	0.0	5.17e-05
2032	203	-4.77	-8.87	-0.24	9.25e-04	0.0	3.81e-04
2032	208	10.27	4.44	-0.51	-4.08e-04	0.0	-7.01e-04
2032	220	-0.56	9.50	-0.53	-9.30e-04	0.0	6.45e-05
2032	235	-5.67	-10.32	-0.22	1.07e-03	0.0	4.55e-04
2033	4	0.25	0.54	-0.46	-1.14e-06	0.0	-2.68e-05

2033	44	0.22	-1.31	-0.38	1.98e-04	0.0	-4.97e-06
2033	52	0.25	-0.16	-0.45	7.60e-05	0.0	-1.69e-05
2033	68	0.18	0.35	-0.32	1.96e-06	0.0	-1.85e-05
2033	88	0.15	-0.88	-0.27	1.35e-04	0.0	-3.97e-06
2033	92	0.18	-0.11	-0.32	5.34e-05	0.0	-1.19e-05
2033	98	0.15	-0.09	-0.27	4.42e-05	0.0	-1.01e-05
2033	105	0.14	-0.25	-0.25	5.96e-05	0.0	-8.30e-06
2033	107	0.14	-0.09	-0.26	4.21e-05	0.0	-9.62e-06
2033	112	7.12	2.91	-0.21	-2.76e-04	0.0	-3.75e-04
2033	134	0.66	6.32	-0.36	-6.60e-04	0.0	2.76e-04
2033	139	-3.80	-7.10	-0.19	8.06e-04	0.0	-4.20e-05
2033	144	8.00	3.28	-0.20	-3.16e-04	0.0	-4.21e-04
2033	166	0.73	7.13	-0.37	-7.48e-04	0.0	3.12e-04
2033	171	-4.31	-7.97	-0.18	9.01e-04	0.0	-4.58e-05
2033	176	7.97	3.24	-0.21	-3.10e-04	0.0	-4.15e-04
2033	198	0.72	7.04	-0.37	-7.38e-04	0.0	3.05e-04
2033	203	-4.33	-7.89	-0.18	8.91e-04	0.0	-3.98e-05
2033	208	9.32	3.79	-0.20	-3.68e-04	0.0	-4.82e-04
2033	230	0.82	8.20	-0.39	-8.65e-04	0.0	3.59e-04
2033	235	-5.16	-9.17	-0.17	1.03e-03	0.0	-4.11e-05
2034	4	0.27	0.54	-0.46	-1.20e-06	0.0	-3.03e-05
2034	44	0.23	-1.21	-0.38	1.98e-04	0.0	-2.64e-06
2034	68	0.19	0.35	-0.32	1.91e-06	0.0	-2.09e-05
2034	88	0.16	-0.81	-0.27	1.35e-04	0.0	-2.44e-06
2034	98	0.16	-0.07	-0.26	4.42e-05	0.0	-1.02e-05
2034	105	0.15	-0.22	-0.25	5.96e-05	0.0	-8.12e-06
2034	107	0.15	-0.07	-0.25	4.21e-05	0.0	-9.76e-06
2034	112	6.78	2.77	-0.21	-2.78e-04	0.0	-3.49e-04
2034	134	0.63	5.99	-0.35	-6.64e-04	0.0	2.62e-04
2034	139	-3.59	-6.69	-0.19	8.10e-04	0.0	-4.59e-05
2034	144	7.62	3.12	-0.21	-3.18e-04	0.0	-3.92e-04
2034	166	0.69	6.75	-0.36	-7.53e-04	0.0	2.97e-04
2034	171	-4.07	-7.52	-0.18	9.06e-04	0.0	-5.00e-05
2034	176	7.60	3.08	-0.21	-3.12e-04	0.0	-3.87e-04
2034	198	0.69	6.67	-0.36	-7.42e-04	0.0	2.89e-04
2034	203	-4.10	-7.44	-0.18	8.95e-04	0.0	-4.31e-05
2034	208	8.89	3.61	-0.20	-3.70e-04	0.0	-4.50e-04
2034	230	0.79	7.77	-0.38	-8.70e-04	0.0	3.39e-04
2034	235	-4.89	-8.66	-0.17	1.04e-03	0.0	-4.45e-05
2035	4	0.25	0.54	-0.46	0.0	0.0	-1.85e-05
2035	44	0.22	-1.41	-0.38	1.98e-04	0.0	-6.02e-06
2035	52	0.25	-0.20	-0.45	7.63e-05	0.0	-1.34e-05
2035	68	0.18	0.35	-0.32	2.18e-06	0.0	-1.29e-05
2035	88	0.16	-0.95	-0.27	1.35e-04	0.0	-4.57e-06
2035	92	0.18	-0.14	-0.32	5.36e-05	0.0	-9.48e-06
2035	98	0.15	-0.12	-0.27	4.44e-05	0.0	-8.06e-06
2035	105	0.14	-0.28	-0.25	5.98e-05	0.0	-6.94e-06
2035	107	0.14	-0.11	-0.26	4.23e-05	0.0	-7.71e-06
2035	112	7.53	3.04	-0.21	-2.72e-04	0.0	-5.05e-04
2035	134	0.71	6.65	-0.36	-6.49e-04	0.0	-4.44e-05
2035	139	-4.04	-7.50	-0.19	7.94e-04	0.0	3.02e-04
2035	144	8.46	3.44	-0.20	-3.11e-04	0.0	-5.68e-04
2035	166	0.78	7.50	-0.37	-7.35e-04	0.0	-4.93e-05
2035	171	-4.58	-8.42	-0.18	8.88e-04	0.0	3.42e-04
2035	176	8.43	3.39	-0.20	-3.05e-04	0.0	-5.60e-04
2035	198	0.77	7.40	-0.37	-7.25e-04	0.0	-4.98e-05
2035	203	-4.60	-8.33	-0.18	8.78e-04	0.0	3.42e-04
2035	208	9.86	3.97	-0.20	-3.63e-04	0.0	-6.53e-04
2035	230	0.88	8.63	-0.39	-8.51e-04	0.0	-5.92e-05
2035	235	-5.47	-9.69	-0.17	1.02e-03	0.0	4.08e-04
2036	4	0.29	0.54	-0.46	0.0	0.0	-6.70e-06
2036	44	0.25	-1.51	-0.38	1.98e-04	0.0	-5.22e-06
2036	52	0.29	-0.24	-0.45	7.65e-05	0.0	-6.88e-06
2036	68	0.20	0.35	-0.32	2.30e-06	0.0	-4.83e-06
2036	88	0.18	-1.02	-0.27	1.35e-04	0.0	-3.85e-06
2036	92	0.20	-0.17	-0.32	5.37e-05	0.0	-4.96e-06
2036	98	0.17	-0.14	-0.27	4.45e-05	0.0	-4.37e-06
2036	105	0.16	-0.31	-0.25	5.99e-05	0.0	-4.09e-06
2036	107	0.16	-0.13	-0.26	4.24e-05	0.0	-4.23e-06
2036	112	7.85	3.17	-0.21	-2.69e-04	0.0	-5.39e-04
2036	134	0.75	6.97	-0.36	-6.42e-04	0.0	-5.06e-05
2036	139	-4.19	-7.88	-0.19	7.87e-04	0.0	3.35e-04
2036	144	8.83	3.59	-0.20	-3.08e-04	0.0	-6.07e-04
2036	166	0.83	7.85	-0.37	-7.27e-04	0.0	-5.70e-05
2036	171	-4.75	-8.85	-0.18	8.80e-04	0.0	3.78e-04

2036	176	8.78	3.54	-0.20	-3.03e-04	0.0	-6.00e-04
2036	198	0.82	7.75	-0.37	-7.17e-04	0.0	-5.95e-05
2036	203	-4.77	-8.76	-0.18	8.70e-04	0.0	3.81e-04
2036	208	10.27	4.15	-0.20	-3.59e-04	0.0	-7.01e-04
2036	230	0.94	9.04	-0.39	-8.42e-04	0.0	-7.23e-05
2036	235	-5.67	-10.18	-0.17	1.01e-03	0.0	4.55e-04
2037	4	0.04	0.48	-0.77	-1.21e-05	0.0	0.0
2037	28	0.05	-0.58	-0.73	1.69e-04	0.0	0.0
2037	44	0.04	-0.92	-0.62	2.17e-04	0.0	0.0
2037	68	0.03	0.32	-0.53	-5.10e-06	0.0	0.0
2037	80	0.03	-0.39	-0.51	1.16e-04	0.0	0.0
2037	88	0.03	-0.62	-0.44	1.47e-04	0.0	0.0
2037	98	0.03	-0.03	-0.43	4.80e-05	0.0	0.0
2037	105	0.03	-0.14	-0.40	6.50e-05	0.0	0.0
2037	107	0.03	-0.03	-0.41	4.58e-05	0.0	0.0
2037	108	3.90	-0.03	-0.74	-2.83e-05	0.0	-3.25e-04
2037	112	4.87	-0.12	-0.71	0.0	0.0	-4.08e-04
2037	129	2.72	-5.34	-0.28	1.06e-03	0.0	-2.44e-04
2037	140	4.39	-0.03	-0.79	-3.74e-05	0.0	-3.66e-04
2037	144	5.48	-0.13	-0.75	-6.07e-06	0.0	-4.59e-04
2037	161	3.07	-6.00	-0.27	1.18e-03	0.0	-2.76e-04
2037	172	4.39	-0.04	-0.78	-4.04e-05	0.0	-3.65e-04
2037	176	5.48	-0.15	-0.74	-7.21e-06	0.0	-4.59e-04
2037	193	3.11	-5.96	-0.27	1.17e-03	0.0	-2.80e-04
2037	204	5.15	-0.05	-0.84	-5.58e-05	0.0	-4.28e-04
2037	208	6.43	-0.19	-0.80	-1.58e-05	0.0	-5.39e-04
2037	225	3.69	-6.96	-0.25	1.36e-03	0.0	-3.34e-04
2038	4	0.10	0.50	-0.88	-2.09e-05	0.0	-1.23e-06
2038	28	0.10	-0.66	-0.84	1.59e-04	0.0	-4.79e-06
2038	44	0.09	-1.04	-0.71	2.09e-04	0.0	-4.41e-06
2038	68	0.07	0.33	-0.61	-1.11e-05	0.0	0.0
2038	80	0.07	-0.44	-0.58	1.09e-04	0.0	-3.32e-06
2038	88	0.06	-0.69	-0.50	1.42e-04	0.0	-3.07e-06
2038	98	0.06	-0.05	-0.49	4.25e-05	0.0	-2.50e-06
2038	105	0.06	-0.18	-0.46	6.01e-05	0.0	-2.44e-06
2038	107	0.06	-0.05	-0.46	4.07e-05	0.0	-2.37e-06
2038	108	4.38	-4.17e-03	-0.83	-3.85e-05	0.0	-3.55e-04
2038	112	5.47	-0.11	-0.79	-9.59e-06	0.0	-4.45e-04
2038	129	3.08	-5.87	-0.31	1.03e-03	0.0	-2.70e-04
2038	140	4.93	-7.11e-04	-0.88	-4.82e-05	0.0	-3.99e-04
2038	144	6.16	-0.12	-0.83	-1.56e-05	0.0	-5.01e-04
2038	161	3.46	-6.60	-0.29	1.16e-03	0.0	-3.05e-04
2038	172	4.92	-4.25e-03	-0.87	-5.18e-05	0.0	-3.97e-04
2038	176	6.14	-0.14	-0.83	-1.74e-05	0.0	-5.00e-04
2038	193	3.50	-6.55	-0.29	1.14e-03	0.0	-3.08e-04
2038	204	5.76	-6.77e-03	-0.94	-6.87e-05	0.0	-4.65e-04
2038	208	7.21	-0.17	-0.89	-2.74e-05	0.0	-5.87e-04
2038	225	4.14	-7.65	-0.27	1.33e-03	0.0	-3.68e-04
2039	4	0.16	0.51	-0.95	-2.10e-05	0.0	-5.97e-06
2039	44	0.14	-1.15	-0.76	2.01e-04	0.0	-1.11e-05
2039	52	0.16	-0.12	-0.93	6.66e-05	0.0	-1.05e-05
2039	68	0.11	0.33	-0.66	-1.12e-05	0.0	-4.31e-06
2039	88	0.10	-0.77	-0.54	1.37e-04	0.0	-7.71e-06
2039	92	0.11	-0.09	-0.65	4.72e-05	0.0	-7.31e-06
2039	98	0.09	-0.07	-0.53	3.98e-05	0.0	-5.98e-06
2039	105	0.09	-0.21	-0.50	5.71e-05	0.0	-5.94e-06
2039	107	0.09	-0.07	-0.50	3.81e-05	0.0	-5.67e-06
2039	108	4.85	0.02	-0.87	-4.27e-05	0.0	-3.77e-04
2039	112	6.07	-0.10	-0.83	-1.38e-05	0.0	-4.74e-04
2039	129	3.43	-6.41	-0.32	1.04e-03	0.0	-2.90e-04
2039	140	5.46	0.03	-0.92	-5.27e-05	0.0	-4.24e-04
2039	144	6.83	-0.11	-0.87	-2.00e-05	0.0	-5.33e-04
2039	161	3.86	-7.21	-0.30	1.17e-03	0.0	-3.26e-04
2039	172	5.44	0.03	-0.91	-5.60e-05	0.0	-4.21e-04
2039	176	6.81	-0.13	-0.87	-2.16e-05	0.0	-5.31e-04
2039	193	3.89	-7.15	-0.30	1.16e-03	0.0	-3.30e-04
2039	204	6.38	0.03	-0.98	-7.31e-05	0.0	-4.92e-04
2039	208	7.97	-0.15	-0.93	-3.17e-05	0.0	-6.22e-04
2039	225	4.59	-8.34	-0.27	1.34e-03	0.0	-3.92e-04
2040	4	0.24	0.52	-1.02	-2.65e-05	0.0	-1.31e-05
2040	44	0.21	-1.25	-0.82	1.88e-04	0.0	-2.06e-05
2040	52	0.24	-0.16	-1.00	5.53e-05	0.0	-1.89e-05
2040	68	0.17	0.34	-0.71	-1.52e-05	0.0	-9.34e-06
2040	88	0.15	-0.84	-0.58	1.28e-04	0.0	-1.44e-05
2040	92	0.17	-0.11	-0.70	3.93e-05	0.0	-1.32e-05

2040	98	0.14	-0.09	-0.57	3.34e-05	0.0	-1.09e-05
2040	105	0.13	-0.24	-0.54	5.06e-05	0.0	-1.09e-05
2040	107	0.13	-0.09	-0.54	3.21e-05	0.0	-1.03e-05
2040	112	6.71	-0.09	-0.84	-2.35e-05	0.0	-5.24e-04
2040	124	-0.32	5.71	-0.89	-8.56e-04	0.0	1.95e-05
2040	129	3.82	-6.96	-0.33	1.04e-03	0.0	-3.23e-04
2040	144	7.55	-0.09	-0.88	-3.02e-05	0.0	-5.90e-04
2040	156	-0.37	6.43	-0.94	-9.67e-04	0.0	2.38e-05
2040	161	4.29	-7.83	-0.30	1.17e-03	0.0	-3.64e-04
2040	176	7.52	-0.11	-0.87	-3.20e-05	0.0	-5.88e-04
2040	188	-0.37	6.36	-0.93	-9.57e-04	0.0	2.60e-05
2040	193	4.31	-7.77	-0.31	1.16e-03	0.0	-3.70e-04
2040	208	8.80	-0.13	-0.93	-4.30e-05	0.0	-6.88e-04
2040	220	-0.45	7.43	-0.99	-1.12e-03	0.0	3.50e-05
2040	225	5.08	-9.06	-0.27	1.34e-03	0.0	-4.40e-04
2041	4	0.23	0.54	-1.06	-2.61e-05	0.0	7.34e-06
2041	28	0.23	-0.88	-1.01	1.30e-04	0.0	0.0
2041	44	0.20	-1.33	-0.85	1.78e-04	0.0	-1.91e-06
2041	68	0.16	0.35	-0.74	-1.51e-05	0.0	4.83e-06
2041	80	0.16	-0.60	-0.71	8.90e-05	0.0	0.0
2041	88	0.14	-0.90	-0.60	1.21e-04	0.0	-1.34e-06
2041	98	0.13	-0.10	-0.59	3.04e-05	0.0	1.24e-06
2041	105	0.13	-0.26	-0.56	4.71e-05	0.0	0.0
2041	107	0.13	-0.10	-0.56	2.93e-05	0.0	1.07e-06
2041	112	7.08	-0.07	-0.85	-2.82e-05	0.0	-5.23e-04
2041	124	-0.35	6.15	-0.92	-8.26e-04	0.0	4.65e-05
2041	129	4.02	-7.49	-0.34	1.00e-03	0.0	-3.34e-04
2041	144	7.97	-0.07	-0.89	-3.51e-05	0.0	-5.89e-04
2041	156	-0.41	6.93	-0.97	-9.33e-04	0.0	5.29e-05
2041	161	4.52	-8.41	-0.31	1.12e-03	0.0	-3.77e-04
2041	176	7.93	-0.08	-0.88	-3.76e-05	0.0	-5.84e-04
2041	188	-0.41	6.85	-0.96	-9.23e-04	0.0	5.59e-05
2041	193	4.54	-8.34	-0.31	1.11e-03	0.0	-3.83e-04
2041	208	9.28	-0.10	-0.94	-4.95e-05	0.0	-6.85e-04
2041	220	-0.50	8.00	-1.02	-1.08e-03	0.0	6.87e-05
2041	225	5.35	-9.73	-0.27	1.29e-03	0.0	-4.57e-04
2042	4	0.19	0.55	-1.14	2.13e-05	0.0	-9.97e-06
2042	28	0.20	-0.95	-1.08	1.62e-04	0.0	-6.04e-06
2042	44	0.18	-1.42	-0.91	2.00e-04	0.0	-3.31e-06
2042	68	0.14	0.36	-0.79	1.75e-05	0.0	-7.11e-06
2042	80	0.14	-0.64	-0.75	1.11e-04	0.0	-4.49e-06
2042	88	0.13	-0.96	-0.64	1.37e-04	0.0	-2.67e-06
2042	98	0.12	-0.12	-0.63	5.23e-05	0.0	-5.48e-06
2042	105	0.11	-0.28	-0.59	6.60e-05	0.0	-4.64e-06
2042	107	0.11	-0.11	-0.60	4.99e-05	0.0	-5.34e-06
2042	112	7.53	-0.05	-0.90	-3.30e-04	0.0	-5.37e-04
2042	124	-0.40	6.54	-0.98	-8.17e-04	0.0	2.71e-05
2042	129	4.25	-7.97	-0.36	9.19e-04	0.0	-3.25e-04
2042	144	8.47	-0.05	-0.94	-3.77e-04	0.0	-6.04e-04
2042	156	-0.47	7.38	-1.03	-9.25e-04	0.0	3.15e-05
2042	161	4.78	-8.95	-0.32	1.03e-03	0.0	-3.67e-04
2042	176	8.43	-0.06	-0.93	-3.64e-04	0.0	-6.01e-04
2042	188	-0.46	7.30	-1.02	-9.12e-04	0.0	3.09e-05
2042	193	4.80	-8.88	-0.33	1.01e-03	0.0	-3.68e-04
2042	208	9.86	-0.07	-0.98	-4.29e-04	0.0	-7.03e-04
2042	220	-0.56	8.52	-1.09	-1.07e-03	0.0	3.85e-05
2042	225	5.67	-10.35	-0.29	1.17e-03	0.0	-4.37e-04
2043	4	0.29	0.51	-1.23	1.71e-04	0.0	-5.90e-06
2043	44	0.25	-1.54	-0.98	2.75e-04	0.0	-3.16e-06
2043	52	0.29	-0.27	-1.20	2.23e-04	0.0	-5.75e-06
2043	68	0.20	0.33	-0.86	1.22e-04	0.0	-4.15e-06
2043	88	0.18	-1.04	-0.69	1.91e-04	0.0	-2.32e-06
2043	92	0.20	-0.19	-0.83	1.56e-04	0.0	-4.05e-06
2043	98	0.17	-0.16	-0.68	1.27e-04	0.0	-3.36e-06
2043	105	0.16	-0.33	-0.64	1.32e-04	0.0	-2.95e-06
2043	107	0.16	-0.15	-0.65	1.21e-04	0.0	-3.21e-06
2043	112	7.85	-0.06	-0.96	-9.84e-05	0.0	-5.43e-04
2043	124	-0.39	6.85	-1.05	-3.86e-04	0.0	4.11e-05
2043	129	4.48	-8.39	-0.39	5.70e-04	0.0	-3.44e-04
2043	144	8.82	-0.05	-1.00	-1.26e-04	0.0	-6.11e-04
2043	156	-0.46	7.73	-1.10	-4.49e-04	0.0	4.71e-05
2043	161	5.03	-9.43	-0.35	6.26e-04	0.0	-3.88e-04
2043	176	8.78	-0.06	-0.99	-1.15e-04	0.0	-6.04e-04
2043	188	-0.46	7.65	-1.09	-4.39e-04	0.0	4.91e-05
2043	193	5.04	-9.35	-0.36	6.21e-04	0.0	-3.90e-04

2043	208	10.27	-0.07	-1.05	-1.50e-04	0.0	-7.06e-04
2043	220	-0.56	8.93	-1.16	-5.30e-04	0.0	6.11e-05
2043	225	5.94	-10.89	-0.31	7.03e-04	0.0	-4.64e-04
2044	4	0.06	0.47	-0.20	-8.39e-06	0.0	-1.29e-05
2044	28	0.06	-0.58	-0.19	1.59e-04	0.0	-5.06e-06
2044	44	0.06	-0.92	-0.17	2.05e-04	0.0	0.0
2044	68	0.04	0.31	-0.14	-2.60e-06	0.0	-8.95e-06
2044	80	0.04	-0.39	-0.14	1.09e-04	0.0	-3.72e-06
2044	88	0.04	-0.61	-0.12	1.40e-04	0.0	0.0
2044	98	0.04	-0.03	-0.12	4.49e-05	0.0	-5.63e-06
2044	105	0.03	-0.15	-0.11	6.13e-05	0.0	-4.35e-06
2044	107	0.03	-0.03	-0.12	4.29e-05	0.0	-5.37e-06
2044	112	4.86	-0.59	0.12	8.33e-05	0.0	-3.94e-04
2044	114	-3.82	3.28	-0.43	-5.61e-04	0.0	3.00e-04
2044	129	2.72	-5.63	0.04	1.25e-03	0.0	-2.39e-04
2044	144	5.48	-0.66	0.15	8.88e-05	0.0	-4.44e-04
2044	146	-4.31	3.70	-0.47	-6.37e-04	0.0	3.38e-04
2044	161	3.07	-6.33	0.07	1.40e-03	0.0	-2.70e-04
2044	176	5.47	-0.68	0.15	8.34e-05	0.0	-4.42e-04
2044	178	-4.30	3.65	-0.47	-6.18e-04	0.0	3.35e-04
2044	193	3.10	-6.30	0.07	1.39e-03	0.0	-2.72e-04
2044	208	6.42	-0.81	0.20	8.89e-05	0.0	-5.18e-04
2044	210	-5.06	4.26	-0.53	-7.22e-04	0.0	3.93e-04
2044	225	3.68	-7.37	0.10	1.61e-03	0.0	-3.24e-04
2045	4	0.06	0.46	-0.17	-8.80e-06	0.0	-1.29e-05
2045	28	0.06	-0.58	-0.17	1.59e-04	0.0	-5.04e-06
2045	44	0.06	-0.92	-0.15	2.05e-04	0.0	0.0
2045	68	0.04	0.30	-0.12	-2.86e-06	0.0	-8.93e-06
2045	80	0.04	-0.39	-0.12	1.09e-04	0.0	-3.70e-06
2045	88	0.04	-0.61	-0.11	1.40e-04	0.0	0.0
2045	98	0.04	-0.03	-0.11	4.48e-05	0.0	-5.61e-06
2045	105	0.03	-0.15	-0.10	6.13e-05	0.0	-4.34e-06
2045	107	0.03	-0.03	-0.10	4.28e-05	0.0	-5.35e-06
2045	112	4.86	-0.79	-0.02	1.11e-04	0.0	-3.94e-04
2045	114	-3.82	3.47	-0.22	-5.81e-04	0.0	3.00e-04
2045	129	2.72	-5.70	-0.05	1.26e-03	0.0	-2.39e-04
2045	144	5.48	-0.89	-5.25e-03	1.19e-04	0.0	-4.44e-04
2045	146	-4.31	3.91	-0.23	-6.59e-04	0.0	3.38e-04
2045	161	3.07	-6.41	-0.04	1.41e-03	0.0	-2.69e-04
2045	176	5.47	-0.91	-5.85e-03	1.13e-04	0.0	-4.42e-04
2045	178	-4.30	3.85	-0.23	-6.39e-04	0.0	3.35e-04
2045	193	3.10	-6.38	-0.04	1.40e-03	0.0	-2.72e-04
2045	208	6.42	-1.07	0.01	1.23e-04	0.0	-5.18e-04
2045	210	-5.06	4.50	-0.26	-7.46e-04	0.0	3.93e-04
2045	225	3.68	-7.47	-0.03	1.62e-03	0.0	-3.24e-04
2046	4	0.10	0.47	-0.23	-8.38e-06	0.0	-1.26e-05
2046	28	0.11	-0.66	-0.22	1.59e-04	0.0	-4.94e-06
2046	44	0.10	-1.02	-0.19	2.05e-04	0.0	0.0
2046	68	0.07	0.31	-0.16	-2.60e-06	0.0	-8.77e-06
2046	80	0.08	-0.44	-0.16	1.09e-04	0.0	-3.64e-06
2046	88	0.07	-0.69	-0.14	1.40e-04	0.0	0.0
2046	98	0.06	-0.05	-0.14	4.48e-05	0.0	-5.53e-06
2046	105	0.06	-0.18	-0.13	6.12e-05	0.0	-4.29e-06
2046	107	0.06	-0.05	-0.13	4.29e-05	0.0	-5.28e-06
2046	112	5.44	-0.62	0.12	7.50e-05	0.0	-4.20e-04
2046	114	-4.23	3.56	-0.46	-5.27e-04	0.0	3.18e-04
2046	129	3.06	-6.27	0.03	1.19e-03	0.0	-2.56e-04
2046	144	6.13	-0.70	0.15	7.95e-05	0.0	-4.73e-04
2046	146	-4.77	4.02	-0.51	-5.98e-04	0.0	3.58e-04
2046	161	3.44	-7.06	0.05	1.33e-03	0.0	-2.88e-04
2046	176	6.11	-0.71	0.15	7.44e-05	0.0	-4.70e-04
2046	178	-4.76	3.96	-0.50	-5.80e-04	0.0	3.55e-04
2046	193	3.47	-7.01	0.05	1.32e-03	0.0	-2.90e-04
2046	208	7.17	-0.84	0.19	7.84e-05	0.0	-5.51e-04
2046	210	-5.60	4.62	-0.57	-6.78e-04	0.0	4.15e-04
2046	225	4.11	-8.20	0.09	1.53e-03	0.0	-3.45e-04
2047	4	0.10	0.46	-0.20	-8.67e-06	0.0	-1.26e-05
2047	28	0.11	-0.66	-0.19	1.58e-04	0.0	-4.91e-06
2047	44	0.10	-1.02	-0.17	2.05e-04	0.0	0.0
2047	68	0.07	0.31	-0.14	-2.79e-06	0.0	-8.74e-06
2047	80	0.08	-0.44	-0.13	1.09e-04	0.0	-3.62e-06
2047	88	0.07	-0.69	-0.12	1.40e-04	0.0	0.0
2047	98	0.06	-0.06	-0.12	4.47e-05	0.0	-5.52e-06
2047	105	0.06	-0.18	-0.11	6.12e-05	0.0	-4.27e-06
2047	107	0.06	-0.06	-0.12	4.28e-05	0.0	-5.27e-06

2047	112	5.44	-0.84	-0.02	1.01e-04	0.0	-4.20e-04
2047	114	-4.23	3.76	-0.24	-5.46e-04	0.0	3.18e-04
2047	129	3.05	-6.35	-0.06	1.20e-03	0.0	-2.56e-04
2047	144	6.12	-0.94	-0.01	1.08e-04	0.0	-4.73e-04
2047	146	-4.77	4.23	-0.26	-6.19e-04	0.0	3.59e-04
2047	161	3.44	-7.14	-0.05	1.34e-03	0.0	-2.88e-04
2047	176	6.11	-0.95	-0.01	1.02e-04	0.0	-4.71e-04
2047	178	-4.76	4.17	-0.25	-6.00e-04	0.0	3.55e-04
2047	193	3.47	-7.10	-0.05	1.33e-03	0.0	-2.90e-04
2047	208	7.17	-1.13	4.57e-03	1.11e-04	0.0	-5.51e-04
2047	210	-5.60	4.88	-0.28	-7.01e-04	0.0	4.16e-04
2047	225	4.11	-8.30	-0.04	1.54e-03	0.0	-3.45e-04
2048	4	0.16	0.48	-0.26	-8.08e-06	0.0	-1.24e-05
2048	28	0.16	-0.74	-0.25	1.58e-04	0.0	-4.92e-06
2048	44	0.14	-1.13	-0.22	2.05e-04	0.0	0.0
2048	68	0.11	0.31	-0.19	-2.41e-06	0.0	-8.63e-06
2048	80	0.11	-0.50	-0.18	1.09e-04	0.0	-3.65e-06
2048	88	0.10	-0.76	-0.16	1.39e-04	0.0	0.0
2048	98	0.09	-0.08	-0.16	4.48e-05	0.0	-5.49e-06
2048	105	0.09	-0.21	-0.15	6.12e-05	0.0	-4.28e-06
2048	107	0.09	-0.07	-0.15	4.29e-05	0.0	-5.25e-06
2048	112	6.02	-0.65	0.09	6.29e-05	0.0	-4.44e-04
2048	114	-4.63	3.82	-0.48	-4.76e-04	0.0	3.34e-04
2048	129	3.39	-6.87	8.86e-03	1.10e-03	0.0	-2.71e-04
2048	144	6.77	-0.73	0.12	6.58e-05	0.0	-5.00e-04
2048	146	-5.22	4.31	-0.52	-5.41e-04	0.0	3.77e-04
2048	161	3.82	-7.73	0.03	1.23e-03	0.0	-3.05e-04
2048	176	6.75	-0.74	0.12	6.12e-05	0.0	-4.97e-04
2048	178	-5.21	4.24	-0.51	-5.25e-04	0.0	3.72e-04
2048	193	3.85	-7.68	0.03	1.21e-03	0.0	-3.07e-04
2048	208	7.91	-0.87	0.17	6.31e-05	0.0	-5.81e-04
2048	210	-6.13	4.96	-0.57	-6.14e-04	0.0	4.35e-04
2048	225	4.55	-8.97	0.06	1.41e-03	0.0	-3.64e-04
2049	4	0.15	0.47	-0.21	-8.46e-06	0.0	-1.23e-05
2049	28	0.16	-0.74	-0.20	1.58e-04	0.0	-4.86e-06
2049	44	0.14	-1.13	-0.18	2.05e-04	0.0	0.0
2049	68	0.11	0.31	-0.15	-2.66e-06	0.0	-8.54e-06
2049	80	0.11	-0.50	-0.14	1.09e-04	0.0	-3.60e-06
2049	88	0.10	-0.76	-0.13	1.40e-04	0.0	0.0
2049	98	0.09	-0.08	-0.13	4.48e-05	0.0	-5.44e-06
2049	105	0.09	-0.21	-0.12	6.12e-05	0.0	-4.23e-06
2049	107	0.09	-0.08	-0.12	4.28e-05	0.0	-5.21e-06
2049	112	6.02	-0.88	-0.03	8.67e-05	0.0	-4.44e-04
2049	114	-4.63	4.02	-0.26	-4.94e-04	0.0	3.35e-04
2049	129	3.40	-6.95	-0.06	1.10e-03	0.0	-2.71e-04
2049	144	6.78	-0.99	-0.01	9.26e-05	0.0	-5.00e-04
2049	146	-5.23	4.54	-0.27	-5.61e-04	0.0	3.77e-04
2049	161	3.82	-7.82	-0.05	1.24e-03	0.0	-3.05e-04
2049	176	6.76	-1.00	-0.01	8.71e-05	0.0	-4.97e-04
2049	178	-5.22	4.47	-0.27	-5.44e-04	0.0	3.73e-04
2049	193	3.85	-7.77	-0.05	1.22e-03	0.0	-3.07e-04
2049	208	7.92	-1.17	4.79e-03	9.31e-05	0.0	-5.82e-04
2049	210	-6.14	5.22	-0.30	-6.35e-04	0.0	4.36e-04
2049	225	4.55	-9.08	-0.04	1.42e-03	0.0	-3.64e-04
2050	4	0.24	0.48	-0.31	-6.89e-06	0.0	-1.28e-05
2050	44	0.21	-1.24	-0.26	2.05e-04	0.0	-1.38e-06
2050	52	0.25	-0.17	-0.30	7.67e-05	0.0	-9.72e-06
2050	68	0.17	0.31	-0.22	-1.61e-06	0.0	-8.94e-06
2050	88	0.15	-0.83	-0.19	1.39e-04	0.0	-1.31e-06
2050	92	0.17	-0.12	-0.22	5.41e-05	0.0	-6.87e-06
2050	98	0.14	-0.10	-0.18	4.52e-05	0.0	-5.74e-06
2050	105	0.14	-0.24	-0.17	6.14e-05	0.0	-4.53e-06
2050	107	0.14	-0.10	-0.18	4.32e-05	0.0	-5.50e-06
2050	112	6.70	-0.67	0.04	4.78e-05	0.0	-4.66e-04
2050	114	-5.07	4.05	-0.47	-4.10e-04	0.0	3.48e-04
2050	129	3.81	-7.42	-0.04	9.77e-04	0.0	-2.85e-04
2050	144	7.53	-0.75	0.06	4.87e-05	0.0	-5.25e-04
2050	146	-5.74	4.57	-0.50	-4.67e-04	0.0	3.92e-04
2050	161	4.28	-8.34	-0.02	1.09e-03	0.0	-3.21e-04
2050	176	7.50	-0.76	0.06	4.47e-05	0.0	-5.21e-04
2050	178	-5.71	4.50	-0.50	-4.53e-04	0.0	3.87e-04
2050	193	4.30	-8.29	-0.02	1.08e-03	0.0	-3.22e-04
2050	208	8.78	-0.89	0.10	4.38e-05	0.0	-6.09e-04
2050	210	-6.73	5.25	-0.56	-5.30e-04	0.0	4.52e-04
2050	225	5.07	-9.67	8.03e-03	1.26e-03	0.0	-3.82e-04

2051	4	0.22	0.47	-0.23	-8.31e-06	0.0	-1.18e-05
2051	28	0.22	-0.83	-0.21	1.58e-04	0.0	-4.85e-06
2051	44	0.19	-1.24	-0.19	2.05e-04	0.0	-1.12e-06
2051	68	0.15	0.31	-0.16	-2.56e-06	0.0	-8.23e-06
2051	80	0.16	-0.56	-0.15	1.09e-04	0.0	-3.61e-06
2051	88	0.14	-0.83	-0.14	1.39e-04	0.0	-1.12e-06
2051	98	0.13	-0.11	-0.14	4.47e-05	0.0	-5.34e-06
2051	105	0.12	-0.24	-0.13	6.11e-05	0.0	-4.20e-06
2051	107	0.12	-0.10	-0.13	4.28e-05	0.0	-5.13e-06
2051	112	6.66	-0.92	-0.02	7.11e-05	0.0	-4.68e-04
2051	114	-5.07	4.26	-0.28	-4.37e-04	0.0	3.51e-04
2051	129	3.78	-7.50	-0.06	1.00e-03	0.0	-2.85e-04
2051	144	7.49	-1.02	-0.01	7.50e-05	0.0	-5.26e-04
2051	146	-5.72	4.81	-0.30	-4.97e-04	0.0	3.96e-04
2051	161	4.24	-8.43	-0.05	1.12e-03	0.0	-3.22e-04
2051	176	7.46	-1.03	-0.01	7.02e-05	0.0	-5.22e-04
2051	178	-5.70	4.73	-0.30	-4.81e-04	0.0	3.91e-04
2051	193	4.27	-8.38	-0.05	1.11e-03	0.0	-3.23e-04
2051	208	8.73	-1.21	9.60e-03	7.34e-05	0.0	-6.11e-04
2051	210	-6.71	5.52	-0.32	-5.63e-04	0.0	4.57e-04
2051	225	5.04	-9.79	-0.04	1.29e-03	0.0	-3.83e-04
2052	4	0.06	0.45	-0.14	-9.03e-06	0.0	-1.27e-05
2052	28	0.06	-0.58	-0.14	1.58e-04	0.0	-4.90e-06
2052	44	0.05	-0.92	-0.12	2.05e-04	0.0	0.0
2052	68	0.04	0.30	-0.10	-3.02e-06	0.0	-8.82e-06
2052	80	0.04	-0.39	-0.10	1.08e-04	0.0	-3.60e-06
2052	88	0.04	-0.61	-0.09	1.40e-04	0.0	0.0
2052	98	0.04	-0.04	-0.09	4.46e-05	0.0	-5.53e-06
2052	105	0.03	-0.15	-0.09	6.11e-05	0.0	-4.25e-06
2052	107	0.03	-0.04	-0.09	4.27e-05	0.0	-5.27e-06
2052	112	4.86	-0.99	-0.04	1.40e-04	0.0	-3.94e-04
2052	114	-3.82	3.65	-0.14	-6.03e-04	0.0	3.00e-04
2052	129	2.72	-5.77	-0.06	1.27e-03	0.0	-2.39e-04
2052	144	5.48	-1.12	-0.04	1.53e-04	0.0	-4.44e-04
2052	146	-4.31	4.11	-0.15	-6.84e-04	0.0	3.38e-04
2052	161	3.07	-6.49	-0.06	1.42e-03	0.0	-2.69e-04
2052	176	5.47	-1.13	-0.04	1.45e-04	0.0	-4.42e-04
2052	178	-4.30	4.06	-0.15	-6.63e-04	0.0	3.35e-04
2052	193	3.10	-6.47	-0.06	1.41e-03	0.0	-2.72e-04
2052	208	6.42	-1.34	-0.03	1.61e-04	0.0	-5.18e-04
2052	210	-5.06	4.74	-0.16	-7.74e-04	0.0	3.93e-04
2052	225	3.68	-7.57	-0.05	1.64e-03	0.0	-3.24e-04
2053	4	0.10	0.46	-0.16	-9.07e-06	0.0	-1.24e-05
2053	28	0.11	-0.66	-0.15	1.58e-04	0.0	-4.80e-06
2053	44	0.10	-1.03	-0.14	2.05e-04	0.0	0.0
2053	68	0.07	0.30	-0.12	-3.05e-06	0.0	-8.62e-06
2053	80	0.08	-0.45	-0.11	1.09e-04	0.0	-3.54e-06
2053	88	0.07	-0.69	-0.10	1.40e-04	0.0	0.0
2053	98	0.06	-0.06	-0.10	4.46e-05	0.0	-5.43e-06
2053	105	0.06	-0.18	-0.10	6.11e-05	0.0	-4.19e-06
2053	107	0.06	-0.06	-0.10	4.27e-05	0.0	-5.19e-06
2053	112	5.44	-1.05	-0.05	1.29e-04	0.0	-4.20e-04
2053	114	-4.22	3.95	-0.16	-5.67e-04	0.0	3.18e-04
2053	129	3.05	-6.42	-0.07	1.20e-03	0.0	-2.56e-04
2053	144	6.12	-1.18	-0.04	1.40e-04	0.0	-4.73e-04
2053	146	-4.77	4.45	-0.17	-6.44e-04	0.0	3.59e-04
2053	161	3.44	-7.22	-0.06	1.35e-03	0.0	-2.88e-04
2053	176	6.11	-1.19	-0.04	1.33e-04	0.0	-4.71e-04
2053	178	-4.76	4.39	-0.17	-6.24e-04	0.0	3.55e-04
2053	193	3.47	-7.19	-0.06	1.34e-03	0.0	-2.90e-04
2053	208	7.17	-1.41	-0.04	1.47e-04	0.0	-5.51e-04
2053	210	-5.60	5.13	-0.18	-7.28e-04	0.0	4.16e-04
2053	225	4.11	-8.41	-0.06	1.55e-03	0.0	-3.45e-04
2054	4	0.15	0.46	-0.17	-9.15e-06	0.0	-1.20e-05
2054	28	0.16	-0.75	-0.16	1.58e-04	0.0	-4.73e-06
2054	44	0.14	-1.13	-0.15	2.05e-04	0.0	0.0
2054	68	0.11	0.30	-0.12	-3.11e-06	0.0	-8.33e-06
2054	80	0.11	-0.50	-0.12	1.09e-04	0.0	-3.51e-06
2054	88	0.10	-0.76	-0.11	1.40e-04	0.0	0.0
2054	98	0.09	-0.08	-0.11	4.46e-05	0.0	-5.32e-06
2054	105	0.09	-0.21	-0.10	6.11e-05	0.0	-4.14e-06
2054	107	0.09	-0.08	-0.10	4.26e-05	0.0	-5.10e-06
2054	112	6.02	-1.11	-0.05	1.13e-04	0.0	-4.45e-04
2054	114	-4.63	4.22	-0.17	-5.17e-04	0.0	3.36e-04
2054	129	3.40	-7.03	-0.07	1.12e-03	0.0	-2.71e-04

2054	144	6.78	-1.24	-0.05	1.23e-04	0.0	-5.01e-04
2054	146	-5.23	4.76	-0.18	-5.87e-04	0.0	3.79e-04
2054	161	3.82	-7.91	-0.07	1.25e-03	0.0	-3.06e-04
2054	176	6.76	-1.25	-0.05	1.16e-04	0.0	-4.98e-04
2054	178	-5.22	4.69	-0.18	-5.69e-04	0.0	3.75e-04
2054	193	3.85	-7.87	-0.07	1.24e-03	0.0	-3.08e-04
2054	208	7.92	-1.47	-0.04	1.27e-04	0.0	-5.83e-04
2054	210	-6.14	5.48	-0.20	-6.65e-04	0.0	4.39e-04
2054	225	4.55	-9.20	-0.06	1.44e-03	0.0	-3.65e-04
2055	4	0.21	0.47	-0.18	-9.36e-06	0.0	-1.13e-05
2055	28	0.21	-0.83	-0.17	1.58e-04	0.0	-4.68e-06
2055	44	0.18	-1.24	-0.16	2.05e-04	0.0	-1.07e-06
2055	68	0.15	0.30	-0.13	-3.26e-06	0.0	-7.87e-06
2055	80	0.15	-0.56	-0.13	1.08e-04	0.0	-3.48e-06
2055	88	0.13	-0.83	-0.11	1.40e-04	0.0	-1.08e-06
2055	98	0.12	-0.11	-0.11	4.44e-05	0.0	-5.16e-06
2055	105	0.12	-0.25	-0.11	6.10e-05	0.0	-4.06e-06
2055	107	0.12	-0.10	-0.11	4.25e-05	0.0	-4.96e-06
2055	112	6.63	-1.16	-0.06	9.64e-05	0.0	-4.70e-04
2055	114	-5.06	4.47	-0.18	-4.63e-04	0.0	3.56e-04
2055	129	3.76	-7.59	-0.07	1.02e-03	0.0	-2.87e-04
2055	144	7.46	-1.29	-0.05	1.03e-04	0.0	-5.29e-04
2055	146	-5.71	5.05	-0.19	-5.26e-04	0.0	4.01e-04
2055	161	4.22	-8.53	-0.07	1.14e-03	0.0	-3.24e-04
2055	176	7.43	-1.30	-0.05	9.77e-05	0.0	-5.25e-04
2055	178	-5.69	4.97	-0.19	-5.09e-04	0.0	3.96e-04
2055	193	4.25	-8.48	-0.07	1.13e-03	0.0	-3.26e-04
2055	208	8.70	-1.52	-0.04	1.05e-04	0.0	-6.14e-04
2055	210	-6.70	5.80	-0.21	-5.96e-04	0.0	4.63e-04
2055	225	5.01	-9.92	-0.06	1.31e-03	0.0	-3.87e-04
2056	4	0.06	0.45	-0.13	-9.37e-06	0.0	-1.25e-05
2056	28	0.06	-0.58	-0.12	1.58e-04	0.0	-4.62e-06
2056	44	0.05	-0.92	-0.11	2.05e-04	0.0	0.0
2056	68	0.04	0.29	-0.09	-3.24e-06	0.0	-8.63e-06
2056	80	0.04	-0.39	-0.09	1.09e-04	0.0	-3.40e-06
2056	88	0.04	-0.61	-0.08	1.40e-04	0.0	0.0
2056	98	0.03	-0.04	-0.08	4.46e-05	0.0	-5.36e-06
2056	105	0.03	-0.15	-0.08	6.11e-05	0.0	-4.08e-06
2056	107	0.03	-0.04	-0.08	4.27e-05	0.0	-5.10e-06
2056	112	4.86	-1.19	-0.06	-6.26e-04	0.0	-3.94e-04
2056	114	-3.82	3.83	-0.11	1.69e-04	0.0	3.00e-04
2056	129	2.72	-5.84	-0.06	1.28e-03	0.0	-2.39e-04
2056	144	5.48	-1.34	-0.05	-7.09e-04	0.0	-4.43e-04
2056	146	-4.31	4.32	-0.11	1.86e-04	0.0	3.39e-04
2056	161	3.07	-6.58	-0.06	1.43e-03	0.0	-2.69e-04
2056	176	5.47	-1.36	-0.05	-6.87e-04	0.0	-4.41e-04
2056	178	-4.30	4.26	-0.11	1.77e-04	0.0	3.36e-04
2056	193	3.10	-6.55	-0.06	1.42e-03	0.0	-2.72e-04
2056	208	6.42	-1.60	-0.05	-8.01e-04	0.0	-5.18e-04
2056	210	-5.06	4.98	-0.12	1.98e-04	0.0	3.94e-04
2056	225	3.68	-7.68	-0.06	1.65e-03	0.0	-3.23e-04
2057	4	0.10	0.45	-0.14	-9.53e-06	0.0	-1.21e-05
2057	28	0.11	-0.67	-0.13	1.58e-04	0.0	-4.63e-06
2057	44	0.09	-1.03	-0.12	2.05e-04	0.0	0.0
2057	68	0.07	0.30	-0.10	-3.34e-06	0.0	-8.40e-06
2057	80	0.07	-0.45	-0.10	1.09e-04	0.0	-3.42e-06
2057	88	0.07	-0.69	-0.09	1.40e-04	0.0	0.0
2057	98	0.06	-0.06	-0.09	4.45e-05	0.0	-5.30e-06
2057	105	0.06	-0.19	-0.09	6.10e-05	0.0	-4.07e-06
2057	107	0.06	-0.06	-0.09	4.26e-05	0.0	-5.06e-06
2057	112	5.44	-1.27	-0.06	-5.90e-04	0.0	-4.20e-04
2057	114	-4.23	4.14	-0.12	1.57e-04	0.0	3.19e-04
2057	129	3.05	-6.50	-0.07	1.22e-03	0.0	-2.55e-04
2057	144	6.12	-1.43	-0.06	-6.69e-04	0.0	-4.73e-04
2057	146	-4.77	4.67	-0.12	1.72e-04	0.0	3.60e-04
2057	161	3.44	-7.31	-0.07	1.36e-03	0.0	-2.88e-04
2057	176	6.11	-1.44	-0.06	-6.48e-04	0.0	-4.70e-04
2057	178	-4.76	4.60	-0.12	1.64e-04	0.0	3.56e-04
2057	193	3.47	-7.28	-0.07	1.35e-03	0.0	-2.90e-04
2057	208	7.17	-1.69	-0.06	-7.56e-04	0.0	-5.51e-04
2057	210	-5.60	5.38	-0.13	1.82e-04	0.0	4.17e-04
2057	225	4.11	-8.53	-0.07	1.57e-03	0.0	-3.45e-04
2058	4	0.15	0.46	-0.15	-9.75e-06	0.0	-1.17e-05
2058	28	0.15	-0.75	-0.14	1.58e-04	0.0	-4.66e-06
2058	44	0.14	-1.13	-0.13	2.05e-04	0.0	0.0

2058	68	0.11	0.30	-0.11	-3.50e-06	0.0	-8.12e-06
2058	80	0.11	-0.51	-0.10	1.09e-04	0.0	-3.45e-06
2058	88	0.10	-0.76	-0.10	1.40e-04	0.0	0.0
2058	98	0.09	-0.09	-0.09	4.44e-05	0.0	-5.23e-06
2058	105	0.09	-0.22	-0.09	6.10e-05	0.0	-4.06e-06
2058	107	0.09	-0.08	-0.09	4.25e-05	0.0	-5.00e-06
2058	112	6.02	-1.34	-0.07	-5.41e-04	0.0	-4.45e-04
2058	114	-4.64	4.43	-0.13	1.40e-04	0.0	3.37e-04
2058	129	3.39	-7.11	-0.08	1.13e-03	0.0	-2.71e-04
2058	144	6.78	-1.50	-0.06	-6.14e-04	0.0	-5.01e-04
2058	146	-5.23	5.00	-0.13	1.52e-04	0.0	3.80e-04
2058	161	3.82	-8.00	-0.07	1.27e-03	0.0	-3.06e-04
2058	176	6.76	-1.51	-0.06	-5.94e-04	0.0	-4.98e-04
2058	178	-5.22	4.92	-0.13	1.45e-04	0.0	3.76e-04
2058	193	3.85	-7.97	-0.07	1.26e-03	0.0	-3.08e-04
2058	208	7.92	-1.77	-0.06	-6.94e-04	0.0	-5.83e-04
2058	210	-6.14	5.75	-0.14	1.60e-04	0.0	4.40e-04
2058	225	4.55	-9.32	-0.07	1.46e-03	0.0	-3.66e-04
2059	4	0.20	0.46	-0.16	-1.00e-05	0.0	-1.11e-05
2059	28	0.20	-0.83	-0.15	1.58e-04	0.0	-4.76e-06
2059	44	0.18	-1.24	-0.14	2.05e-04	0.0	-1.18e-06
2059	68	0.14	0.30	-0.11	-3.68e-06	0.0	-7.78e-06
2059	80	0.14	-0.56	-0.11	1.08e-04	0.0	-3.53e-06
2059	88	0.13	-0.83	-0.10	1.40e-04	0.0	-1.14e-06
2059	98	0.12	-0.11	-0.10	4.44e-05	0.0	-5.16e-06
2059	105	0.11	-0.25	-0.10	6.10e-05	0.0	-4.07e-06
2059	107	0.11	-0.11	-0.10	4.25e-05	0.0	-4.95e-06
2059	112	6.61	-1.40	-0.07	-4.87e-04	0.0	-4.70e-04
2059	114	-5.05	4.69	-0.14	1.21e-04	0.0	3.56e-04
2059	129	3.74	-7.68	-0.08	1.04e-03	0.0	-2.88e-04
2059	144	7.44	-1.57	-0.07	-5.53e-04	0.0	-5.29e-04
2059	146	-5.70	5.29	-0.14	1.31e-04	0.0	4.02e-04
2059	161	4.21	-8.63	-0.08	1.16e-03	0.0	-3.24e-04
2059	176	7.41	-1.57	-0.07	-5.35e-04	0.0	-5.25e-04
2059	178	-5.68	5.21	-0.14	1.25e-04	0.0	3.96e-04
2059	193	4.23	-8.59	-0.08	1.15e-03	0.0	-3.26e-04
2059	208	8.67	-1.84	-0.06	-6.25e-04	0.0	-6.14e-04
2059	210	-6.69	6.09	-0.15	1.36e-04	0.0	4.64e-04
2059	225	4.99	-10.05	-0.07	1.34e-03	0.0	-3.87e-04
2060	4	0.06	0.44	-0.12	-9.78e-06	0.0	-1.21e-05
2060	28	0.06	-0.59	-0.11	1.58e-04	0.0	-4.24e-06
2060	44	0.05	-0.92	-0.10	2.05e-04	0.0	0.0
2060	68	0.04	0.29	-0.09	-3.50e-06	0.0	-8.35e-06
2060	80	0.04	-0.39	-0.08	1.09e-04	0.0	-3.13e-06
2060	88	0.04	-0.61	-0.08	1.40e-04	0.0	0.0
2060	98	0.03	-0.04	-0.08	4.45e-05	0.0	-5.12e-06
2060	105	0.03	-0.16	-0.07	6.11e-05	0.0	-3.85e-06
2060	107	0.03	-0.04	-0.07	4.26e-05	0.0	-4.87e-06
2060	112	4.86	-1.39	-0.06	-6.48e-04	0.0	-3.93e-04
2060	114	-3.82	4.01	-0.09	1.98e-04	0.0	3.00e-04
2060	129	2.72	-5.92	-0.07	1.29e-03	0.0	-2.38e-04
2060	144	5.48	-1.57	-0.06	-7.35e-04	0.0	-4.42e-04
2060	146	-4.31	4.52	-0.09	2.18e-04	0.0	3.38e-04
2060	161	3.07	-6.66	-0.06	1.45e-03	0.0	-2.68e-04
2060	176	5.47	-1.58	-0.06	-7.11e-04	0.0	-4.40e-04
2060	178	-4.30	4.47	-0.09	2.09e-04	0.0	3.35e-04
2060	193	3.10	-6.64	-0.06	1.43e-03	0.0	-2.71e-04
2060	208	6.42	-1.87	-0.06	-8.29e-04	0.0	-5.16e-04
2060	210	-5.06	5.22	-0.09	2.34e-04	0.0	3.93e-04
2060	225	3.68	-7.79	-0.06	1.67e-03	0.0	-3.23e-04
2061	4	0.10	0.44	-0.13	-9.95e-06	0.0	-1.17e-05
2061	28	0.11	-0.67	-0.13	1.58e-04	0.0	-4.43e-06
2061	44	0.09	-1.03	-0.12	2.05e-04	0.0	0.0
2061	68	0.07	0.29	-0.10	-3.61e-06	0.0	-8.12e-06
2061	80	0.07	-0.45	-0.09	1.09e-04	0.0	-3.27e-06
2061	88	0.07	-0.69	-0.09	1.40e-04	0.0	0.0
2061	98	0.06	-0.07	-0.09	4.45e-05	0.0	-5.13e-06
2061	105	0.06	-0.19	-0.08	6.11e-05	0.0	-3.91e-06
2061	107	0.06	-0.06	-0.08	4.26e-05	0.0	-4.88e-06
2061	112	5.44	-1.48	-0.07	-6.13e-04	0.0	-4.18e-04
2061	114	-4.23	4.33	-0.10	1.85e-04	0.0	3.18e-04
2061	129	3.05	-6.58	-0.07	1.23e-03	0.0	-2.54e-04
2061	144	6.12	-1.67	-0.07	-6.95e-04	0.0	-4.71e-04
2061	146	-4.77	4.89	-0.10	2.03e-04	0.0	3.59e-04
2061	161	3.44	-7.40	-0.07	1.38e-03	0.0	-2.87e-04

2061	176	6.11	-1.68	-0.07	-6.72e-04	0.0	-4.68e-04
2061	178	-4.76	4.82	-0.10	1.94e-04	0.0	3.55e-04
2061	193	3.47	-7.38	-0.07	1.37e-03	0.0	-2.89e-04
2061	208	7.17	-1.97	-0.07	-7.84e-04	0.0	-5.49e-04
2061	210	-5.60	5.63	-0.10	2.17e-04	0.0	4.15e-04
2061	225	4.11	-8.64	-0.07	1.59e-03	0.0	-3.44e-04
2062	4	0.15	0.45	-0.14	-1.02e-05	0.0	-1.14e-05
2062	28	0.15	-0.75	-0.14	1.58e-04	0.0	-4.67e-06
2062	44	0.14	-1.13	-0.12	2.06e-04	0.0	0.0
2062	68	0.10	0.29	-0.10	-3.77e-06	0.0	-7.92e-06
2062	80	0.11	-0.51	-0.10	1.09e-04	0.0	-3.44e-06
2062	88	0.10	-0.76	-0.09	1.40e-04	0.0	0.0
2062	98	0.09	-0.09	-0.09	4.44e-05	0.0	-5.16e-06
2062	105	0.08	-0.22	-0.09	6.11e-05	0.0	-4.00e-06
2062	107	0.08	-0.09	-0.09	4.25e-05	0.0	-4.92e-06
2062	112	6.02	-1.57	-0.08	-5.64e-04	0.0	-4.43e-04
2062	114	-4.63	4.63	-0.11	1.66e-04	0.0	3.36e-04
2062	129	3.39	-7.20	-0.08	1.15e-03	0.0	-2.70e-04
2062	144	6.78	-1.76	-0.08	-6.40e-04	0.0	-4.99e-04
2062	146	-5.23	5.23	-0.11	1.82e-04	0.0	3.79e-04
2062	161	3.82	-8.10	-0.08	1.29e-03	0.0	-3.04e-04
2062	176	6.76	-1.76	-0.08	-6.19e-04	0.0	-4.95e-04
2062	178	-5.22	5.15	-0.11	1.74e-04	0.0	3.74e-04
2062	193	3.85	-8.07	-0.08	1.27e-03	0.0	-3.06e-04
2062	208	7.92	-2.07	-0.07	-7.22e-04	0.0	-5.80e-04
2062	210	-6.14	6.02	-0.11	1.94e-04	0.0	4.38e-04
2062	225	4.55	-9.45	-0.07	1.48e-03	0.0	-3.64e-04
2063	4	0.19	0.46	-0.15	-1.05e-05	0.0	-1.11e-05
2063	28	0.20	-0.84	-0.14	1.59e-04	0.0	-4.95e-06
2063	44	0.17	-1.24	-0.13	2.06e-04	0.0	-1.36e-06
2063	68	0.14	0.30	-0.11	-3.95e-06	0.0	-7.73e-06
2063	80	0.14	-0.56	-0.10	1.09e-04	0.0	-3.65e-06
2063	88	0.12	-0.84	-0.10	1.40e-04	0.0	-1.26e-06
2063	98	0.11	-0.11	-0.10	4.44e-05	0.0	-5.20e-06
2063	105	0.11	-0.25	-0.09	6.11e-05	0.0	-4.12e-06
2063	107	0.11	-0.11	-0.09	4.25e-05	0.0	-4.98e-06
2063	112	6.60	-1.64	-0.08	-5.11e-04	0.0	-4.68e-04
2063	114	-5.04	4.91	-0.11	1.46e-04	0.0	3.54e-04
2063	129	3.73	-7.77	-0.08	1.06e-03	0.0	-2.86e-04
2063	144	7.42	-1.84	-0.08	-5.80e-04	0.0	-5.27e-04
2063	146	-5.69	5.54	-0.12	1.59e-04	0.0	4.00e-04
2063	161	4.19	-8.74	-0.08	1.18e-03	0.0	-3.23e-04
2063	176	7.39	-1.84	-0.08	-5.61e-04	0.0	-5.22e-04
2063	178	-5.67	5.45	-0.12	1.52e-04	0.0	3.94e-04
2063	193	4.22	-8.71	-0.08	1.17e-03	0.0	-3.24e-04
2063	208	8.66	-2.15	-0.08	-6.55e-04	0.0	-6.11e-04
2063	210	-6.68	6.37	-0.12	1.68e-04	0.0	4.61e-04
2063	225	4.98	-10.19	-0.08	1.36e-03	0.0	-3.85e-04
2064	4	0.06	0.43	-0.13	-1.02e-05	0.0	-1.15e-05
2064	28	0.06	-0.59	-0.12	1.59e-04	0.0	-3.74e-06
2064	44	0.05	-0.92	-0.11	2.06e-04	0.0	0.0
2064	68	0.04	0.29	-0.09	-3.77e-06	0.0	-7.95e-06
2064	80	0.04	-0.40	-0.09	1.09e-04	0.0	-2.76e-06
2064	88	0.04	-0.62	-0.08	1.40e-04	0.0	0.0
2064	98	0.03	-0.05	-0.08	4.45e-05	0.0	-4.79e-06
2064	105	0.03	-0.16	-0.08	6.12e-05	0.0	-3.52e-06
2064	107	0.03	-0.04	-0.08	4.26e-05	0.0	-4.55e-06
2064	112	4.86	-1.59	-0.07	-6.70e-04	0.0	-3.91e-04
2064	129	2.72	-5.99	-0.07	1.30e-03	0.0	-2.37e-04
2064	130	-2.65	5.90	-0.09	-1.21e-03	0.0	2.28e-04
2064	144	5.48	-1.79	-0.07	-7.59e-04	0.0	-4.40e-04
2064	161	3.06	-6.74	-0.06	1.46e-03	0.0	-2.67e-04
2064	162	-3.00	6.65	-0.09	-1.37e-03	0.0	2.58e-04
2064	176	5.47	-1.81	-0.07	-7.34e-04	0.0	-4.38e-04
2064	193	3.10	-6.73	-0.06	1.44e-03	0.0	-2.70e-04
2064	194	-3.03	6.64	-0.09	-1.36e-03	0.0	2.61e-04
2064	208	6.42	-2.13	-0.07	-8.55e-04	0.0	-5.14e-04
2064	225	3.68	-7.89	-0.06	1.68e-03	0.0	-3.21e-04
2064	226	-3.61	7.80	-0.09	-1.59e-03	0.0	3.12e-04
2065	4	0.10	0.44	-0.14	-1.03e-05	0.0	-1.12e-05
2065	28	0.11	-0.67	-0.13	1.59e-04	0.0	-4.22e-06
2065	44	0.09	-1.03	-0.12	2.06e-04	0.0	0.0
2065	68	0.07	0.29	-0.10	-3.81e-06	0.0	-7.77e-06
2065	80	0.07	-0.45	-0.10	1.09e-04	0.0	-3.10e-06
2065	88	0.07	-0.69	-0.09	1.40e-04	0.0	0.0

2065	98	0.06	-0.07	-0.09	4.45e-05	0.0	-4.92e-06
2065	105	0.06	-0.19	-0.08	6.12e-05	0.0	-3.71e-06
2065	107	0.06	-0.07	-0.09	4.26e-05	0.0	-4.67e-06
2065	112	5.44	-1.70	-0.08	-6.35e-04	0.0	-4.15e-04
2065	129	3.05	-6.66	-0.07	1.24e-03	0.0	-2.52e-04
2065	130	-2.94	6.52	-0.10	-1.16e-03	0.0	2.43e-04
2065	144	6.12	-1.91	-0.08	-7.20e-04	0.0	-4.67e-04
2065	161	3.44	-7.49	-0.07	1.39e-03	0.0	-2.84e-04
2065	162	-3.32	7.36	-0.10	-1.31e-03	0.0	2.75e-04
2065	176	6.11	-1.91	-0.08	-6.96e-04	0.0	-4.65e-04
2065	193	3.47	-7.47	-0.07	1.38e-03	0.0	-2.86e-04
2065	194	-3.35	7.34	-0.10	-1.29e-03	0.0	2.77e-04
2065	208	7.17	-2.25	-0.08	-8.11e-04	0.0	-5.45e-04
2065	225	4.11	-8.76	-0.07	1.60e-03	0.0	-3.41e-04
2065	226	-3.99	8.62	-0.10	-1.52e-03	0.0	3.31e-04
2066	4	0.15	0.44	-0.15	-1.05e-05	0.0	-1.10e-05
2066	28	0.15	-0.75	-0.14	1.59e-04	0.0	-4.74e-06
2066	44	0.13	-1.13	-0.13	2.06e-04	0.0	0.0
2066	68	0.10	0.29	-0.11	-3.93e-06	0.0	-7.67e-06
2066	80	0.11	-0.51	-0.10	1.09e-04	0.0	-3.47e-06
2066	88	0.09	-0.76	-0.09	1.40e-04	0.0	0.0
2066	98	0.09	-0.09	-0.09	4.45e-05	0.0	-5.08e-06
2066	105	0.08	-0.22	-0.09	6.12e-05	0.0	-3.94e-06
2066	107	0.08	-0.09	-0.09	4.26e-05	0.0	-4.84e-06
2066	112	6.02	-1.79	-0.09	-5.87e-04	0.0	-4.39e-04
2066	129	3.39	-7.29	-0.08	1.16e-03	0.0	-2.67e-04
2066	130	-3.22	7.11	-0.11	-1.08e-03	0.0	2.58e-04
2066	144	6.77	-2.01	-0.09	-6.66e-04	0.0	-4.94e-04
2066	161	3.82	-8.20	-0.08	1.30e-03	0.0	-3.01e-04
2066	162	-3.65	8.02	-0.11	-1.22e-03	0.0	2.92e-04
2066	176	6.75	-2.01	-0.09	-6.43e-04	0.0	-4.91e-04
2066	193	3.85	-8.17	-0.08	1.29e-03	0.0	-3.03e-04
2066	194	-3.68	7.99	-0.11	-1.20e-03	0.0	2.94e-04
2066	208	7.91	-2.36	-0.09	-7.50e-04	0.0	-5.75e-04
2066	225	4.54	-9.57	-0.07	1.50e-03	0.0	-3.60e-04
2066	226	-4.38	9.39	-0.11	-1.41e-03	0.0	3.51e-04
2067	4	0.19	0.45	-0.16	-1.07e-05	0.0	-1.09e-05
2067	28	0.19	-0.84	-0.15	1.59e-04	0.0	-5.20e-06
2067	44	0.17	-1.24	-0.13	2.06e-04	0.0	-1.65e-06
2067	68	0.13	0.29	-0.11	-4.12e-06	0.0	-7.60e-06
2067	80	0.14	-0.57	-0.11	1.09e-04	0.0	-3.80e-06
2067	88	0.12	-0.84	-0.10	1.41e-04	0.0	-1.44e-06
2067	98	0.11	-0.12	-0.10	4.45e-05	0.0	-5.23e-06
2067	105	0.11	-0.25	-0.10	6.12e-05	0.0	-4.16e-06
2067	107	0.11	-0.11	-0.10	4.26e-05	0.0	-4.99e-06
2067	112	6.59	-1.88	-0.09	-5.35e-04	0.0	-4.64e-04
2067	129	3.72	-7.87	-0.08	1.07e-03	0.0	-2.83e-04
2067	130	-3.51	7.64	-0.11	-9.88e-04	0.0	2.73e-04
2067	144	7.41	-2.10	-0.09	-6.07e-04	0.0	-5.22e-04
2067	161	4.19	-8.85	-0.08	1.20e-03	0.0	-3.19e-04
2067	162	-3.97	8.62	-0.11	-1.12e-03	0.0	3.09e-04
2067	176	7.38	-2.10	-0.09	-5.86e-04	0.0	-5.18e-04
2067	193	4.21	-8.82	-0.08	1.19e-03	0.0	-3.21e-04
2067	194	-4.00	8.60	-0.11	-1.11e-03	0.0	3.11e-04
2067	208	8.64	-2.46	-0.09	-6.84e-04	0.0	-6.06e-04
2067	225	4.97	-10.32	-0.08	1.39e-03	0.0	-3.81e-04
2067	226	-4.76	10.10	-0.12	-1.30e-03	0.0	3.71e-04
2068	4	0.05	0.43	-0.14	-1.06e-05	0.0	-1.08e-05
2068	28	0.06	-0.59	-0.13	1.59e-04	0.0	-3.07e-06
2068	44	0.05	-0.92	-0.12	2.07e-04	0.0	1.11e-06
2068	68	0.04	0.28	-0.10	-3.99e-06	0.0	-7.45e-06
2068	80	0.04	-0.40	-0.10	1.09e-04	0.0	-2.27e-06
2068	88	0.04	-0.61	-0.09	1.41e-04	0.0	0.0
2068	98	0.03	-0.05	-0.09	4.47e-05	0.0	-4.37e-06
2068	105	0.03	-0.16	-0.08	6.14e-05	0.0	-3.10e-06
2068	107	0.03	-0.05	-0.09	4.28e-05	0.0	-4.13e-06
2068	112	4.86	-1.79	-0.10	-6.88e-04	0.0	-3.88e-04
2068	124	-0.25	4.09	-0.11	-1.22e-03	0.0	1.78e-05
2068	129	2.72	-6.06	-0.07	1.31e-03	0.0	-2.35e-04
2068	144	5.48	-2.02	-0.10	-7.80e-04	0.0	-4.36e-04
2068	156	-0.29	4.61	-0.11	-1.38e-03	0.0	2.09e-05
2068	161	3.06	-6.82	-0.07	1.47e-03	0.0	-2.64e-04
2068	176	5.47	-2.03	-0.10	-7.54e-04	0.0	-4.35e-04
2068	188	-0.29	4.58	-0.11	-1.36e-03	0.0	2.12e-05
2068	193	3.10	-6.82	-0.07	1.45e-03	0.0	-2.67e-04

2068	208	6.42	-2.39	-0.10	-8.78e-04	0.0	-5.10e-04
2068	220	-0.35	5.36	-0.11	-1.59e-03	0.0	2.70e-05
2068	225	3.68	-8.00	-0.06	1.69e-03	0.0	-3.18e-04
2069	4	0.10	0.43	-0.16	-1.05e-05	0.0	-1.07e-05
2069	28	0.10	-0.67	-0.15	1.59e-04	0.0	-4.01e-06
2069	44	0.09	-1.03	-0.13	2.07e-04	0.0	0.0
2069	68	0.07	0.28	-0.12	-3.92e-06	0.0	-7.35e-06
2069	80	0.07	-0.45	-0.11	1.09e-04	0.0	-2.92e-06
2069	88	0.07	-0.69	-0.10	1.41e-04	0.0	0.0
2069	98	0.06	-0.07	-0.10	4.47e-05	0.0	-4.68e-06
2069	105	0.06	-0.19	-0.09	6.15e-05	0.0	-3.50e-06
2069	107	0.06	-0.07	-0.10	4.29e-05	0.0	-4.44e-06
2069	112	5.44	-1.91	-0.11	-6.55e-04	0.0	-4.10e-04
2069	124	-0.27	4.57	-0.12	-1.16e-03	0.0	2.02e-05
2069	129	3.05	-6.73	-0.08	1.25e-03	0.0	-2.49e-04
2069	144	6.12	-2.14	-0.11	-7.42e-04	0.0	-4.61e-04
2069	156	-0.31	5.16	-0.12	-1.31e-03	0.0	2.36e-05
2069	161	3.44	-7.58	-0.08	1.40e-03	0.0	-2.81e-04
2069	176	6.11	-2.15	-0.11	-7.17e-04	0.0	-4.59e-04
2069	188	-0.31	5.13	-0.12	-1.30e-03	0.0	2.35e-05
2069	193	3.47	-7.56	-0.08	1.39e-03	0.0	-2.83e-04
2069	208	7.17	-2.53	-0.11	-8.35e-04	0.0	-5.38e-04
2069	220	-0.38	6.00	-0.13	-1.52e-03	0.0	2.97e-05
2069	225	4.11	-8.87	-0.07	1.62e-03	0.0	-3.36e-04
2070	4	0.15	0.44	-0.17	-1.06e-05	0.0	-1.05e-05
2070	28	0.15	-0.76	-0.16	1.59e-04	0.0	-4.88e-06
2070	44	0.13	-1.13	-0.14	2.07e-04	0.0	-1.22e-06
2070	68	0.10	0.29	-0.12	-3.96e-06	0.0	-7.29e-06
2070	80	0.11	-0.51	-0.12	1.09e-04	0.0	-3.54e-06
2070	88	0.09	-0.76	-0.10	1.41e-04	0.0	-1.09e-06
2070	98	0.09	-0.10	-0.11	4.47e-05	0.0	-4.97e-06
2070	105	0.08	-0.22	-0.10	6.15e-05	0.0	-3.88e-06
2070	107	0.08	-0.09	-0.10	4.29e-05	0.0	-4.72e-06
2070	112	6.02	-2.01	-0.12	-6.08e-04	0.0	-4.33e-04
2070	124	-0.30	5.03	-0.13	-1.08e-03	0.0	2.22e-05
2070	129	3.39	-7.37	-0.08	1.17e-03	0.0	-2.64e-04
2070	144	6.77	-2.26	-0.12	-6.90e-04	0.0	-4.88e-04
2070	156	-0.34	5.68	-0.13	-1.23e-03	0.0	2.58e-05
2070	161	3.81	-8.29	-0.08	1.32e-03	0.0	-2.97e-04
2070	176	6.75	-2.26	-0.12	-6.66e-04	0.0	-4.85e-04
2070	188	-0.34	5.64	-0.13	-1.21e-03	0.0	2.56e-05
2070	193	3.84	-8.27	-0.08	1.31e-03	0.0	-2.99e-04
2070	208	7.91	-2.66	-0.12	-7.77e-04	0.0	-5.68e-04
2070	220	-0.42	6.61	-0.14	-1.42e-03	0.0	3.21e-05
2070	225	4.54	-9.69	-0.08	1.52e-03	0.0	-3.55e-04
2071	4	0.19	0.44	-0.18	-1.09e-05	0.0	-1.05e-05
2071	28	0.19	-0.84	-0.17	1.59e-04	0.0	-5.55e-06
2071	44	0.17	-1.24	-0.15	2.07e-04	0.0	-2.14e-06
2071	68	0.13	0.29	-0.13	-4.17e-06	0.0	-7.29e-06
2071	80	0.13	-0.57	-0.12	1.09e-04	0.0	-4.02e-06
2071	88	0.12	-0.84	-0.11	1.41e-04	0.0	-1.75e-06
2071	98	0.11	-0.12	-0.11	4.46e-05	0.0	-5.21e-06
2071	105	0.11	-0.26	-0.11	6.15e-05	0.0	-4.20e-06
2071	107	0.11	-0.11	-0.11	4.28e-05	0.0	-4.97e-06
2071	112	6.58	-2.11	-0.13	-5.59e-04	0.0	-4.58e-04
2071	124	-0.32	5.45	-0.14	-1.00e-03	0.0	2.38e-05
2071	129	3.72	-7.96	-0.09	1.09e-03	0.0	-2.79e-04
2071	144	7.40	-2.37	-0.13	-6.34e-04	0.0	-5.16e-04
2071	156	-0.38	6.15	-0.14	-1.13e-03	0.0	2.77e-05
2071	161	4.18	-8.95	-0.08	1.22e-03	0.0	-3.15e-04
2071	176	7.37	-2.37	-0.13	-6.12e-04	0.0	-5.12e-04
2071	188	-0.37	6.12	-0.14	-1.12e-03	0.0	2.76e-05
2071	193	4.20	-8.92	-0.08	1.21e-03	0.0	-3.16e-04
2071	208	8.63	-2.77	-0.13	-7.14e-04	0.0	-5.99e-04
2071	220	-0.46	7.17	-0.14	-1.31e-03	0.0	3.47e-05
2071	225	4.96	-10.45	-0.08	1.41e-03	0.0	-3.76e-04
2072	4	0.05	0.42	-0.18	-1.08e-05	0.0	-1.02e-05
2072	28	0.06	-0.59	-0.16	1.60e-04	0.0	-2.38e-06
2072	44	0.05	-0.92	-0.14	2.08e-04	0.0	1.84e-06
2072	68	0.04	0.28	-0.13	-4.13e-06	0.0	-7.00e-06
2072	80	0.04	-0.40	-0.12	1.10e-04	0.0	-1.76e-06
2072	88	0.04	-0.61	-0.10	1.42e-04	0.0	1.04e-06
2072	98	0.03	-0.05	-0.11	4.51e-05	0.0	-3.95e-06
2072	105	0.03	-0.16	-0.10	6.19e-05	0.0	-2.66e-06
2072	107	0.03	-0.05	-0.10	4.32e-05	0.0	-3.72e-06

2072	112	4.86	-1.99	-0.13	-7.02e-04	0.0	-3.83e-04
2072	124	-0.25	4.04	-0.14	-1.22e-03	0.0	1.84e-05
2072	129	2.72	-6.13	-0.07	1.31e-03	0.0	-2.32e-04
2072	144	5.48	-2.24	-0.13	-7.95e-04	0.0	-4.32e-04
2072	156	-0.29	4.55	-0.15	-1.38e-03	0.0	2.15e-05
2072	161	3.06	-6.90	-0.07	1.47e-03	0.0	-2.62e-04
2072	176	5.47	-2.25	-0.13	-7.68e-04	0.0	-4.30e-04
2072	188	-0.29	4.53	-0.15	-1.36e-03	0.0	2.16e-05
2072	193	3.10	-6.90	-0.07	1.45e-03	0.0	-2.64e-04
2072	208	6.42	-2.65	-0.14	-8.95e-04	0.0	-5.05e-04
2072	220	-0.35	5.30	-0.15	-1.59e-03	0.0	2.71e-05
2072	225	3.67	-8.10	-0.06	1.69e-03	0.0	-3.15e-04
2073	4	0.10	0.43	-0.20	-1.06e-05	0.0	-1.01e-05
2073	28	0.10	-0.68	-0.18	1.61e-04	0.0	-3.87e-06
2073	44	0.09	-1.03	-0.16	2.08e-04	0.0	0.0
2073	68	0.07	0.28	-0.14	-3.96e-06	0.0	-6.95e-06
2073	80	0.07	-0.46	-0.13	1.10e-04	0.0	-2.80e-06
2073	88	0.07	-0.69	-0.12	1.42e-04	0.0	0.0
2073	98	0.06	-0.07	-0.12	4.51e-05	0.0	-4.47e-06
2073	105	0.06	-0.19	-0.11	6.20e-05	0.0	-3.31e-06
2073	107	0.06	-0.07	-0.11	4.32e-05	0.0	-4.22e-06
2073	112	5.44	-2.11	-0.15	-6.72e-04	0.0	-4.03e-04
2073	124	-0.27	4.52	-0.16	-1.17e-03	0.0	-2.42e-04
2073	129	3.05	-6.80	-0.08	1.26e-03	0.0	1.72e-05
2073	144	6.12	-2.38	-0.15	-7.61e-04	0.0	-4.54e-04
2073	156	-0.31	5.10	-0.17	-1.32e-03	0.0	-2.72e-04
2073	161	3.44	-7.66	-0.08	1.41e-03	0.0	1.96e-05
2073	176	6.11	-2.38	-0.15	-7.35e-04	0.0	-4.52e-04
2073	188	-0.31	5.07	-0.16	-1.30e-03	0.0	-2.70e-04
2073	193	3.47	-7.65	-0.08	1.40e-03	0.0	1.53e-05
2073	208	7.17	-2.80	-0.15	-8.56e-04	0.0	-5.30e-04
2073	220	-0.38	5.94	-0.17	-1.53e-03	0.0	-3.17e-04
2073	225	4.11	-8.97	-0.07	1.63e-03	0.0	1.54e-05
2074	4	0.14	0.43	-0.21	-1.06e-05	0.0	-9.75e-06
2074	28	0.15	-0.76	-0.20	1.60e-04	0.0	-5.07e-06
2074	44	0.13	-1.14	-0.17	2.08e-04	0.0	-1.61e-06
2074	68	0.10	0.28	-0.15	-3.96e-06	0.0	-6.76e-06
2074	80	0.10	-0.51	-0.14	1.10e-04	0.0	-3.64e-06
2074	88	0.09	-0.76	-0.12	1.42e-04	0.0	-1.33e-06
2074	98	0.09	-0.10	-0.13	4.51e-05	0.0	-4.82e-06
2074	105	0.08	-0.23	-0.12	6.19e-05	0.0	-3.80e-06
2074	107	0.08	-0.09	-0.12	4.32e-05	0.0	-4.57e-06
2074	112	6.01	-2.23	-0.16	-6.30e-04	0.0	-4.26e-04
2074	124	-0.30	4.97	-0.17	-1.10e-03	0.0	-2.56e-04
2074	129	3.39	-7.44	-0.09	1.19e-03	0.0	1.83e-05
2074	144	6.77	-2.51	-0.16	-7.14e-04	0.0	-4.80e-04
2074	156	-0.34	5.61	-0.18	-1.24e-03	0.0	-2.87e-04
2074	161	3.81	-8.37	-0.08	1.33e-03	0.0	2.09e-05
2074	176	6.75	-2.51	-0.16	-6.89e-04	0.0	-4.77e-04
2074	188	-0.34	5.59	-0.18	-1.22e-03	0.0	-2.85e-04
2074	193	3.84	-8.36	-0.08	1.32e-03	0.0	1.61e-05
2074	208	7.91	-2.94	-0.16	-8.03e-04	0.0	-5.59e-04
2074	220	-0.42	6.54	-0.19	-1.43e-03	0.0	-3.34e-04
2074	225	4.54	-9.80	-0.08	1.54e-03	0.0	1.63e-05
2075	4	0.18	0.44	-0.22	-1.09e-05	0.0	-9.60e-06
2075	28	0.19	-0.84	-0.21	1.60e-04	0.0	-5.96e-06
2075	44	0.17	-1.24	-0.18	2.08e-04	0.0	-2.86e-06
2075	68	0.13	0.28	-0.16	-4.12e-06	0.0	-6.69e-06
2075	80	0.13	-0.57	-0.15	1.10e-04	0.0	-4.27e-06
2075	88	0.12	-0.84	-0.13	1.42e-04	0.0	-2.20e-06
2075	98	0.11	-0.12	-0.13	4.48e-05	0.0	-5.10e-06
2075	105	0.10	-0.26	-0.13	6.18e-05	0.0	-4.19e-06
2075	107	0.10	-0.12	-0.13	4.30e-05	0.0	-4.84e-06
2075	112	6.57	-2.34	-0.17	-5.84e-04	0.0	-4.52e-04
2075	124	-0.32	5.40	-0.18	-1.02e-03	0.0	2.39e-05
2075	129	3.71	-8.04	-0.09	1.11e-03	0.0	-2.76e-04
2075	144	7.39	-2.63	-0.17	-6.62e-04	0.0	-5.09e-04
2075	156	-0.38	6.09	-0.19	-1.15e-03	0.0	2.77e-05
2075	161	4.17	-9.04	-0.09	1.25e-03	0.0	-3.11e-04
2075	176	7.36	-2.63	-0.17	-6.39e-04	0.0	-5.05e-04
2075	188	-0.37	6.06	-0.19	-1.14e-03	0.0	2.72e-05
2075	193	4.20	-9.02	-0.09	1.23e-03	0.0	-3.12e-04
2075	208	8.62	-3.08	-0.17	-7.45e-04	0.0	-5.92e-04
2075	220	-0.46	7.10	-0.20	-1.33e-03	0.0	3.41e-05
2075	225	4.96	-10.57	-0.08	1.44e-03	0.0	-3.71e-04

2076	4	0.05	0.42	-0.23	-1.04e-05	0.0	-1.00e-05
2076	28	0.06	-0.59	-0.21	1.63e-04	0.0	-2.00e-06
2076	44	0.05	-0.92	-0.18	2.10e-04	0.0	2.34e-06
2076	68	0.04	0.27	-0.16	-3.77e-06	0.0	-6.85e-06
2076	80	0.04	-0.40	-0.15	1.12e-04	0.0	-1.48e-06
2076	88	0.04	-0.61	-0.13	1.43e-04	0.0	1.41e-06
2076	98	0.03	-0.05	-0.13	4.60e-05	0.0	-3.75e-06
2076	105	0.03	-0.16	-0.13	6.29e-05	0.0	-2.42e-06
2076	107	0.03	-0.05	-0.13	4.40e-05	0.0	-3.51e-06
2076	112	4.86	-2.18	-0.18	-7.11e-04	0.0	-3.80e-04
2076	124	-0.25	3.99	-0.20	-1.21e-03	0.0	-2.27e-04
2076	129	2.72	-6.20	-0.08	1.30e-03	0.0	1.59e-05
2076	144	5.47	-2.45	-0.19	-8.06e-04	0.0	-4.27e-04
2076	156	-0.29	4.50	-0.21	-1.37e-03	0.0	-2.55e-04
2076	161	3.06	-6.98	-0.07	1.46e-03	0.0	1.81e-05
2076	176	5.47	-2.46	-0.19	-7.78e-04	0.0	-4.26e-04
2076	188	-0.29	4.48	-0.21	-1.35e-03	0.0	-2.54e-04
2076	193	3.10	-6.98	-0.07	1.45e-03	0.0	1.42e-05
2076	208	6.42	-2.90	-0.19	-9.06e-04	0.0	-5.00e-04
2076	220	-0.35	5.24	-0.22	-1.58e-03	0.0	-2.99e-04
2076	225	3.67	-8.20	-0.06	1.68e-03	0.0	1.43e-05
2077	4	0.10	0.42	-0.26	-1.08e-05	0.0	-9.65e-06
2077	28	0.10	-0.68	-0.24	1.62e-04	0.0	-3.94e-06
2077	44	0.09	-1.03	-0.20	2.10e-04	0.0	0.0
2077	68	0.07	0.28	-0.18	-4.03e-06	0.0	-6.63e-06
2077	80	0.07	-0.46	-0.17	1.11e-04	0.0	-2.82e-06
2077	88	0.06	-0.69	-0.15	1.43e-04	0.0	0.0
2077	98	0.06	-0.08	-0.15	4.57e-05	0.0	-4.34e-06
2077	105	0.06	-0.20	-0.14	6.27e-05	0.0	-3.20e-06
2077	107	0.06	-0.07	-0.14	4.38e-05	0.0	-4.08e-06
2077	112	5.44	-2.32	-0.20	-6.87e-04	0.0	-3.96e-04
2077	124	-0.27	4.46	-0.23	-1.17e-03	0.0	-2.39e-04
2077	129	3.05	-6.87	-0.09	1.26e-03	0.0	1.94e-05
2077	144	6.12	-2.60	-0.21	-7.78e-04	0.0	-4.46e-04
2077	156	-0.31	5.03	-0.24	-1.32e-03	0.0	-2.69e-04
2077	161	3.43	-7.73	-0.08	1.41e-03	0.0	2.20e-05
2077	176	6.11	-2.61	-0.21	-7.51e-04	0.0	-4.44e-04
2077	188	-0.31	5.01	-0.23	-1.31e-03	0.0	-2.67e-04
2077	193	3.47	-7.72	-0.08	1.40e-03	0.0	1.71e-05
2077	208	7.16	-3.07	-0.22	-8.75e-04	0.0	-5.21e-04
2077	220	-0.38	5.87	-0.25	-1.53e-03	0.0	-3.13e-04
2077	225	4.10	-9.07	-0.07	1.63e-03	0.0	1.71e-05
2078	4	0.14	0.43	-0.28	-1.09e-05	0.0	-8.79e-06
2078	28	0.15	-0.76	-0.25	1.62e-04	0.0	-5.27e-06
2078	44	0.13	-1.14	-0.22	2.10e-04	0.0	-2.11e-06
2078	68	0.10	0.28	-0.20	-4.12e-06	0.0	-6.09e-06
2078	80	0.10	-0.52	-0.18	1.11e-04	0.0	-3.74e-06
2078	88	0.09	-0.76	-0.16	1.43e-04	0.0	-1.64e-06
2078	98	0.09	-0.10	-0.16	4.54e-05	0.0	-4.61e-06
2078	105	0.08	-0.23	-0.15	6.25e-05	0.0	-3.69e-06
2078	107	0.08	-0.10	-0.15	4.35e-05	0.0	-4.35e-06
2078	112	6.01	-2.45	-0.22	-6.52e-04	0.0	-4.19e-04
2078	124	-0.30	4.91	-0.24	-1.11e-03	0.0	-2.53e-04
2078	129	3.39	-7.51	-0.09	1.20e-03	0.0	2.03e-05
2078	144	6.77	-2.75	-0.23	-7.39e-04	0.0	-4.71e-04
2078	156	-0.34	5.54	-0.26	-1.26e-03	0.0	-2.85e-04
2078	161	3.81	-8.45	-0.09	1.35e-03	0.0	2.30e-05
2078	176	6.75	-2.75	-0.22	-7.13e-04	0.0	-4.69e-04
2078	188	-0.34	5.52	-0.25	-1.24e-03	0.0	-2.82e-04
2078	193	3.84	-8.44	-0.09	1.34e-03	0.0	1.77e-05
2078	208	7.91	-3.23	-0.23	-8.31e-04	0.0	-5.50e-04
2078	220	-0.42	6.47	-0.27	-1.45e-03	0.0	-3.30e-04
2078	225	4.54	-9.90	-0.07	1.56e-03	0.0	1.77e-05
2079	4	0.18	0.43	-0.29	-1.08e-05	0.0	-8.23e-06
2079	28	0.19	-0.85	-0.27	1.61e-04	0.0	-6.28e-06
2079	44	0.16	-1.25	-0.23	2.09e-04	0.0	-3.70e-06
2079	68	0.13	0.28	-0.21	-4.04e-06	0.0	-5.75e-06
2079	80	0.13	-0.57	-0.19	1.10e-04	0.0	-4.45e-06
2079	88	0.12	-0.84	-0.16	1.43e-04	0.0	-2.73e-06
2079	98	0.11	-0.13	-0.17	4.51e-05	0.0	-4.83e-06
2079	105	0.10	-0.26	-0.16	6.21e-05	0.0	-4.09e-06
2079	107	0.10	-0.12	-0.16	4.33e-05	0.0	-4.57e-06
2079	112	6.56	-2.57	-0.23	-6.12e-04	0.0	-4.48e-04
2079	124	-0.32	5.34	-0.26	-1.04e-03	0.0	-2.68e-04
2079	129	3.71	-8.12	-0.10	1.14e-03	0.0	1.89e-05

2079	144	7.38	-2.89	-0.24	-6.93e-04	0.0	-5.04e-04
2079	156	-0.38	6.02	-0.27	-1.18e-03	0.0	-3.02e-04
2079	161	4.17	-9.13	-0.09	1.27e-03	0.0	2.16e-05
2079	176	7.36	-2.88	-0.24	-6.69e-04	0.0	-5.01e-04
2079	188	-0.37	6.00	-0.27	-1.16e-03	0.0	-2.99e-04
2079	193	4.20	-9.12	-0.09	1.26e-03	0.0	1.64e-05
2079	208	8.62	-3.37	-0.25	-7.80e-04	0.0	-5.86e-04
2079	220	-0.46	7.03	-0.29	-1.36e-03	0.0	-3.50e-04
2079	225	4.95	-10.69	-0.08	1.47e-03	0.0	1.64e-05
2080	4	0.05	0.41	-0.32	-1.00e-05	0.0	-1.05e-05
2080	28	0.06	-0.59	-0.29	1.66e-04	0.0	-2.28e-06
2080	44	0.05	-0.91	-0.24	2.14e-04	0.0	2.20e-06
2080	68	0.04	0.27	-0.22	-3.47e-06	0.0	-7.10e-06
2080	80	0.04	-0.40	-0.20	1.14e-04	0.0	-1.66e-06
2080	88	0.04	-0.61	-0.17	1.46e-04	0.0	1.33e-06
2080	98	0.03	-0.06	-0.18	4.71e-05	0.0	-3.87e-06
2080	105	0.03	-0.16	-0.17	6.42e-05	0.0	-2.51e-06
2080	107	0.03	-0.05	-0.17	4.51e-05	0.0	-3.62e-06
2080	112	4.86	-2.37	-0.27	-7.09e-04	0.0	-3.77e-04
2080	124	-0.25	3.93	-0.30	-1.19e-03	0.0	-2.27e-04
2080	129	2.72	-6.26	-0.08	1.28e-03	0.0	1.67e-05
2080	144	5.47	-2.67	-0.28	-8.03e-04	0.0	-4.25e-04
2080	156	-0.29	4.43	-0.32	-1.34e-03	0.0	-2.55e-04
2080	161	3.06	-7.05	-0.07	1.44e-03	0.0	1.89e-05
2080	176	5.47	-2.68	-0.28	-7.75e-04	0.0	-4.24e-04
2080	188	-0.29	4.42	-0.32	-1.33e-03	0.0	-2.54e-04
2080	193	3.10	-7.05	-0.07	1.42e-03	0.0	1.48e-05
2080	208	6.42	-3.15	-0.29	-9.02e-04	0.0	-4.98e-04
2080	220	-0.35	5.18	-0.34	-1.55e-03	0.0	-2.98e-04
2080	225	3.67	-8.29	-0.06	1.66e-03	0.0	1.48e-05
2081	4	0.10	0.42	-0.36	-1.17e-05	0.0	-9.08e-06
2081	28	0.10	-0.68	-0.32	1.64e-04	0.0	-4.16e-06
2081	44	0.09	-1.03	-0.27	2.13e-04	0.0	0.0
2081	68	0.07	0.27	-0.25	-4.60e-06	0.0	-6.22e-06
2081	80	0.07	-0.46	-0.23	1.13e-04	0.0	-2.94e-06
2081	88	0.06	-0.69	-0.20	1.45e-04	0.0	0.0
2081	98	0.06	-0.08	-0.20	4.61e-05	0.0	-4.19e-06
2081	105	0.06	-0.20	-0.19	6.34e-05	0.0	-3.12e-06
2081	107	0.06	-0.08	-0.19	4.42e-05	0.0	-3.93e-06
2081	112	5.44	-2.52	-0.30	-7.00e-04	0.0	-3.92e-04
2081	124	-0.27	4.39	-0.34	-1.17e-03	0.0	-2.39e-04
2081	129	3.05	-6.92	-0.09	1.26e-03	0.0	2.18e-05
2081	144	6.12	-2.83	-0.32	-7.93e-04	0.0	-4.41e-04
2081	156	-0.31	4.96	-0.36	-1.32e-03	0.0	-2.69e-04
2081	161	3.43	-7.79	-0.08	1.41e-03	0.0	2.47e-05
2081	176	6.11	-2.83	-0.31	-7.65e-04	0.0	-4.40e-04
2081	188	-0.31	4.94	-0.36	-1.30e-03	0.0	-2.67e-04
2081	193	3.47	-7.79	-0.08	1.40e-03	0.0	1.93e-05
2081	208	7.16	-3.33	-0.33	-8.90e-04	0.0	-5.16e-04
2081	220	-0.38	5.79	-0.38	-1.53e-03	0.0	-3.12e-04
2081	225	4.10	-9.15	-0.06	1.63e-03	0.0	1.95e-05
2082	4	0.14	0.42	-0.38	-1.20e-05	0.0	-7.88e-06
2082	28	0.15	-0.77	-0.35	1.63e-04	0.0	-5.54e-06
2082	44	0.13	-1.14	-0.29	2.12e-04	0.0	-2.76e-06
2082	68	0.10	0.27	-0.27	-4.81e-06	0.0	-5.46e-06
2082	80	0.10	-0.52	-0.25	1.12e-04	0.0	-3.90e-06
2082	88	0.09	-0.77	-0.21	1.44e-04	0.0	-2.05e-06
2082	98	0.09	-0.10	-0.22	4.56e-05	0.0	-4.42e-06
2082	105	0.08	-0.23	-0.20	6.29e-05	0.0	-3.62e-06
2082	107	0.08	-0.10	-0.21	4.37e-05	0.0	-4.16e-06
2082	112	6.01	-2.66	-0.33	-6.78e-04	0.0	-4.14e-04
2082	124	-0.30	4.84	-0.37	-1.13e-03	0.0	-2.53e-04
2082	129	3.38	-7.57	-0.10	1.22e-03	0.0	2.34e-05
2082	144	6.76	-2.99	-0.34	-7.68e-04	0.0	-4.66e-04
2082	156	-0.34	5.47	-0.39	-1.28e-03	0.0	-2.85e-04
2082	161	3.81	-8.51	-0.08	1.37e-03	0.0	2.65e-05
2082	176	6.75	-2.99	-0.33	-7.41e-04	0.0	-4.64e-04
2082	188	-0.34	5.45	-0.38	-1.26e-03	0.0	-2.82e-04
2082	193	3.84	-8.51	-0.08	1.36e-03	0.0	2.06e-05
2082	208	7.90	-3.50	-0.35	-8.63e-04	0.0	-5.44e-04
2082	220	-0.42	6.39	-0.41	-1.48e-03	0.0	-3.30e-04
2082	225	4.54	-9.99	-0.06	1.58e-03	0.0	2.07e-05
2083	4	0.18	0.43	-0.40	-1.11e-05	0.0	-7.01e-06
2083	28	0.18	-0.85	-0.36	1.62e-04	0.0	-6.56e-06
2083	44	0.16	-1.25	-0.31	2.10e-04	0.0	-4.49e-06

2083	68	0.13	0.28	-0.28	-4.21e-06	0.0	-4.92e-06
2083	80	0.13	-0.58	-0.26	1.11e-04	0.0	-4.62e-06
2083	88	0.12	-0.84	-0.22	1.44e-04	0.0	-3.24e-06
2083	98	0.11	-0.13	-0.23	4.53e-05	0.0	-4.57e-06
2083	105	0.10	-0.26	-0.21	6.25e-05	0.0	-4.00e-06
2083	107	0.10	-0.12	-0.22	4.35e-05	0.0	-4.33e-06
2083	112	6.56	-2.80	-0.34	-6.46e-04	0.0	-4.44e-04
2083	124	-0.32	5.27	-0.39	-1.07e-03	0.0	-2.68e-04
2083	129	3.70	-8.19	-0.10	1.17e-03	0.0	2.00e-05
2083	144	7.38	-3.14	-0.36	-7.32e-04	0.0	-5.00e-04
2083	156	-0.38	5.95	-0.41	-1.21e-03	0.0	-3.01e-04
2083	161	4.17	-9.22	-0.08	1.31e-03	0.0	2.27e-05
2083	176	7.35	-3.14	-0.35	-7.06e-04	0.0	-4.97e-04
2083	188	-0.37	5.93	-0.41	-1.20e-03	0.0	-2.98e-04
2083	193	4.19	-9.21	-0.08	1.30e-03	0.0	1.72e-05
2083	208	8.61	-3.67	-0.37	-8.22e-04	0.0	-5.82e-04
2083	220	-0.46	6.96	-0.44	-1.40e-03	0.0	-3.49e-04
2083	225	4.95	-10.80	-0.06	1.51e-03	0.0	1.69e-05
2084	4	0.05	0.40	-0.45	-5.00e-06	0.0	-1.00e-05
2084	28	0.06	-0.60	-0.40	1.71e-04	0.0	-2.74e-06
2084	44	0.05	-0.91	-0.34	2.18e-04	0.0	1.45e-06
2084	68	0.04	0.27	-0.31	0.0	0.0	-6.79e-06
2084	80	0.04	-0.40	-0.28	1.17e-04	0.0	-1.94e-06
2084	88	0.04	-0.61	-0.24	1.49e-04	0.0	0.0
2084	98	0.03	-0.06	-0.25	5.01e-05	0.0	-3.79e-06
2084	105	0.03	-0.16	-0.23	6.70e-05	0.0	-2.53e-06
2084	107	0.03	-0.05	-0.24	4.79e-05	0.0	-3.53e-06
2084	112	4.86	-2.56	-0.42	-7.32e-04	0.0	-3.84e-04
2084	124	-0.25	3.87	-0.46	-1.21e-03	0.0	-2.29e-04
2084	129	2.71	-6.31	-0.10	1.31e-03	0.0	1.44e-05
2084	144	5.47	-2.88	-0.44	-8.29e-04	0.0	-4.33e-04
2084	156	-0.29	4.37	-0.49	-1.37e-03	0.0	-2.58e-04
2084	161	3.06	-7.11	-0.08	1.47e-03	0.0	1.65e-05
2084	176	5.47	-2.89	-0.44	-7.98e-04	0.0	-4.32e-04
2084	188	-0.29	4.36	-0.49	-1.35e-03	0.0	-2.57e-04
2084	193	3.10	-7.12	-0.08	1.45e-03	0.0	1.28e-05
2084	208	6.42	-3.40	-0.47	-9.29e-04	0.0	-5.07e-04
2084	220	-0.35	5.11	-0.52	-1.58e-03	0.0	-3.03e-04
2084	225	3.67	-8.37	-0.05	1.69e-03	0.0	1.27e-05
2085	4	0.10	0.41	-0.50	-1.29e-05	0.0	-7.29e-06
2085	28	0.10	-0.68	-0.45	1.66e-04	0.0	-4.11e-06
2085	44	0.09	-1.03	-0.38	2.16e-04	0.0	-1.25e-06
2085	68	0.07	0.27	-0.35	-5.38e-06	0.0	-4.98e-06
2085	80	0.07	-0.46	-0.32	1.14e-04	0.0	-2.86e-06
2085	88	0.06	-0.69	-0.27	1.47e-04	0.0	0.0
2085	98	0.06	-0.08	-0.28	4.65e-05	0.0	-3.58e-06
2085	105	0.06	-0.20	-0.26	6.41e-05	0.0	-2.74e-06
2085	107	0.06	-0.08	-0.27	4.46e-05	0.0	-3.34e-06
2085	112	5.44	-2.71	-0.47	-7.14e-04	0.0	-3.97e-04
2085	124	-0.27	4.32	-0.52	-1.17e-03	0.0	-2.42e-04
2085	129	3.05	-6.97	-0.11	1.26e-03	0.0	2.11e-05
2085	144	6.12	-3.05	-0.49	-8.09e-04	0.0	-4.47e-04
2085	156	-0.31	4.88	-0.55	-1.32e-03	0.0	-2.72e-04
2085	161	3.43	-7.84	-0.09	1.41e-03	0.0	2.38e-05
2085	176	6.11	-3.06	-0.48	-7.80e-04	0.0	-4.46e-04
2085	188	-0.31	4.87	-0.54	-1.30e-03	0.0	-2.70e-04
2085	193	3.47	-7.85	-0.09	1.40e-03	0.0	1.86e-05
2085	208	7.16	-3.59	-0.52	-9.07e-04	0.0	-5.24e-04
2085	220	-0.38	5.71	-0.59	-1.53e-03	0.0	-3.17e-04
2085	225	4.10	-9.22	-0.06	1.63e-03	0.0	1.85e-05
2086	4	0.14	0.42	-0.54	-1.35e-05	0.0	-7.75e-06
2086	28	0.15	-0.77	-0.49	1.64e-04	0.0	-6.41e-06
2086	44	0.13	-1.14	-0.41	2.14e-04	0.0	-4.01e-06
2086	68	0.10	0.27	-0.38	-5.76e-06	0.0	-5.38e-06
2086	80	0.10	-0.52	-0.34	1.12e-04	0.0	-4.49e-06
2086	88	0.09	-0.77	-0.29	1.46e-04	0.0	-2.89e-06
2086	98	0.08	-0.11	-0.30	4.56e-05	0.0	-4.57e-06
2086	105	0.08	-0.23	-0.28	6.32e-05	0.0	-3.89e-06
2086	107	0.08	-0.10	-0.29	4.38e-05	0.0	-4.31e-06
2086	112	6.01	-2.87	-0.50	-7.04e-04	0.0	-4.18e-04
2086	124	-0.30	4.77	-0.56	-1.15e-03	0.0	-2.56e-04
2086	129	3.38	-7.62	-0.11	1.24e-03	0.0	2.27e-05
2086	144	6.76	-3.22	-0.53	-7.98e-04	0.0	-4.70e-04
2086	156	-0.34	5.38	-0.60	-1.29e-03	0.0	-2.88e-04
2086	161	3.81	-8.57	-0.08	1.39e-03	0.0	2.56e-05

2086	176	6.74	-3.22	-0.52	-7.70e-04	0.0	-4.69e-04
2086	188	-0.34	5.37	-0.59	-1.28e-03	0.0	-2.85e-04
2086	193	3.84	-8.57	-0.08	1.38e-03	0.0	1.98e-05
2086	208	7.90	-3.78	-0.56	-8.96e-04	0.0	-5.50e-04
2086	220	-0.42	6.29	-0.64	-1.50e-03	0.0	-3.34e-04
2086	225	4.53	-10.07	-0.05	1.61e-03	0.0	1.97e-05
2087	4	0.18	0.43	-0.57	-1.25e-05	0.0	-7.72e-06
2087	28	0.18	-0.85	-0.52	1.62e-04	0.0	-7.61e-06
2087	44	0.16	-1.25	-0.43	2.12e-04	0.0	-5.64e-06
2087	68	0.13	0.27	-0.40	-5.13e-06	0.0	-5.43e-06
2087	80	0.13	-0.58	-0.36	1.11e-04	0.0	-5.35e-06
2087	88	0.12	-0.84	-0.31	1.45e-04	0.0	-4.05e-06
2087	98	0.11	-0.13	-0.32	4.52e-05	0.0	-5.04e-06
2087	105	0.10	-0.27	-0.30	6.26e-05	0.0	-4.52e-06
2087	107	0.10	-0.12	-0.30	4.34e-05	0.0	-4.79e-06
2087	112	6.56	-3.02	-0.53	-6.92e-04	0.0	-4.46e-04
2087	124	-0.32	5.20	-0.61	-1.12e-03	0.0	-2.70e-04
2087	129	3.70	-8.26	-0.10	1.22e-03	0.0	2.00e-05
2087	144	7.38	-3.39	-0.56	-7.84e-04	0.0	-5.02e-04
2087	156	-0.38	5.88	-0.65	-1.27e-03	0.0	-3.04e-04
2087	161	4.16	-9.29	-0.08	1.36e-03	0.0	2.27e-05
2087	176	7.35	-3.39	-0.55	-7.56e-04	0.0	-4.99e-04
2087	188	-0.37	5.86	-0.64	-1.25e-03	0.0	-3.00e-04
2087	193	4.19	-9.29	-0.08	1.35e-03	0.0	1.70e-05
2087	208	8.61	-3.96	-0.59	-8.80e-04	0.0	-5.85e-04
2087	220	-0.46	6.87	-0.69	-1.47e-03	0.0	-3.52e-04
2087	225	4.95	-10.89	-0.04	1.58e-03	0.0	1.65e-05
2088	4	0.05	0.40	-0.63	4.23e-05	7.51e-05	0.0
2088	28	0.06	-0.60	-0.57	1.92e-04	7.80e-05	0.0
2088	44	0.05	-0.91	-0.48	2.26e-04	6.98e-05	1.16e-06
2088	68	0.04	0.26	-0.44	3.26e-05	5.30e-05	0.0
2088	80	0.04	-0.40	-0.40	1.32e-04	5.49e-05	0.0
2088	88	0.04	-0.61	-0.34	1.55e-04	4.94e-05	0.0
2088	98	0.03	-0.06	-0.35	6.96e-05	4.49e-05	0.0
2088	105	0.03	-0.17	-0.33	8.26e-05	4.32e-05	0.0
2088	107	0.03	-0.06	-0.33	6.64e-05	4.29e-05	0.0
2088	108	3.90	-2.55	-0.80	-6.61e-04	8.86e-04	-3.17e-04
2088	112	4.86	-2.75	-0.74	-5.93e-04	8.80e-04	-3.96e-04
2088	129	2.71	-6.38	-0.12	1.10e-03	6.42e-04	-2.39e-04
2088	140	4.39	-2.86	-0.86	-7.52e-04	9.92e-04	-3.58e-04
2088	144	5.47	-3.10	-0.80	-6.75e-04	9.86e-04	-4.47e-04
2088	161	3.06	-7.19	-0.09	1.23e-03	7.18e-04	-2.70e-04
2088	172	4.38	-2.84	-0.84	-7.31e-04	9.80e-04	-3.56e-04
2088	176	5.47	-3.11	-0.78	-6.51e-04	9.74e-04	-4.46e-04
2088	193	3.09	-7.20	-0.10	1.22e-03	7.11e-04	-2.74e-04
2088	204	5.14	-3.32	-0.93	-8.58e-04	1.14e-03	-4.17e-04
2088	208	6.42	-3.66	-0.86	-7.62e-04	1.13e-03	-5.25e-04
2088	225	3.67	-8.47	-0.06	1.42e-03	8.29e-04	-3.28e-04
2089	4	0.10	0.41	-0.69	-2.83e-06	8.22e-05	-4.56e-06
2089	28	0.10	-0.68	-0.62	1.72e-04	8.23e-05	-3.78e-06
2089	44	0.09	-1.03	-0.51	2.19e-04	7.25e-05	-2.21e-06
2089	68	0.07	0.27	-0.48	1.64e-06	5.78e-05	-3.13e-06
2089	80	0.07	-0.46	-0.44	1.18e-04	5.79e-05	-2.61e-06
2089	88	0.06	-0.69	-0.37	1.50e-04	5.14e-05	-1.56e-06
2089	98	0.06	-0.08	-0.38	5.12e-05	4.82e-05	-2.62e-06
2089	105	0.06	-0.20	-0.35	6.81e-05	4.60e-05	-2.18e-06
2089	107	0.06	-0.08	-0.36	4.91e-05	4.60e-05	-2.44e-06
2089	108	4.35	-2.67	-0.87	-7.80e-04	1.11e-03	-3.35e-04
2089	112	5.44	-2.92	-0.80	-7.03e-04	8.80e-04	-4.21e-04
2089	129	3.05	-7.03	-0.09	1.23e-03	-1.13e-04	-2.58e-04
2089	140	4.90	-2.99	-0.94	-8.85e-04	1.25e-03	-3.77e-04
2089	144	6.12	-3.28	-0.86	-7.97e-04	9.86e-04	-4.75e-04
2089	161	3.43	-7.91	-0.06	1.38e-03	-1.32e-04	-2.91e-04
2089	172	4.89	-2.96	-0.92	-8.60e-04	1.23e-03	-3.76e-04
2089	176	6.11	-3.28	-0.84	-7.68e-04	9.73e-04	-4.74e-04
2089	193	3.47	-7.92	-0.06	1.37e-03	-1.25e-04	-2.95e-04
2089	204	5.73	-3.46	-1.01	-1.01e-03	1.43e-03	-4.40e-04
2089	208	7.16	-3.85	-0.92	-8.95e-04	1.13e-03	-5.56e-04
2089	225	4.10	-9.31	-0.01	1.59e-03	-1.47e-04	-3.51e-04
2090	4	0.14	0.41	-0.73	-1.11e-05	7.54e-05	-9.84e-06
2090	28	0.15	-0.77	-0.66	1.66e-04	7.48e-05	-9.01e-06
2090	44	0.13	-1.14	-0.54	2.16e-04	6.58e-05	-6.77e-06
2090	68	0.10	0.27	-0.51	-4.01e-06	5.31e-05	-6.85e-06
2090	80	0.10	-0.52	-0.46	1.14e-04	5.27e-05	-6.30e-06
2090	88	0.09	-0.77	-0.38	1.47e-04	4.67e-05	-4.80e-06

2090	98	0.08	-0.11	-0.40	4.71e-05	4.41e-05	-5.74e-06
2090	105	0.08	-0.23	-0.37	6.47e-05	4.21e-05	-5.15e-06
2090	107	0.08	-0.10	-0.38	4.53e-05	4.21e-05	-5.43e-06
2090	108	4.81	-2.79	-0.92	-7.97e-04	1.08e-03	-4.32e-04
2090	112	6.01	-3.08	-0.85	-7.19e-04	8.55e-04	-4.38e-04
2090	129	3.38	-7.67	-0.06	1.25e-03	-1.15e-04	1.45e-05
2090	140	5.41	-3.13	-0.99	-9.03e-04	1.21e-03	-4.86e-04
2090	144	6.76	-3.46	-0.91	-8.15e-04	9.58e-04	-4.93e-04
2090	161	3.81	-8.64	-0.03	1.40e-03	-1.34e-04	1.67e-05
2090	172	5.39	-3.09	-0.97	-8.79e-04	1.20e-03	-4.83e-04
2090	176	6.74	-3.46	-0.89	-7.86e-04	9.45e-04	-4.91e-04
2090	193	3.84	-8.64	-0.03	1.39e-03	-1.28e-04	1.19e-05
2090	208	7.90	-4.06	-0.97	-9.15e-04	1.10e-03	-5.75e-04
2090	220	-0.42	6.21	-1.07	-1.50e-03	8.84e-04	-3.45e-04
2090	225	4.53	-10.15	0.03	1.61e-03	-1.49e-04	1.14e-05
2091	4	0.18	0.42	-0.77	-1.40e-05	5.72e-05	-1.16e-05
2091	28	0.18	-0.86	-0.69	1.62e-04	5.72e-05	-1.10e-05
2091	44	0.16	-1.25	-0.56	2.12e-04	5.10e-05	-8.65e-06
2091	68	0.13	0.27	-0.54	-6.08e-06	4.05e-05	-8.13e-06
2091	80	0.13	-0.58	-0.48	1.11e-04	4.05e-05	-7.71e-06
2091	88	0.11	-0.85	-0.40	1.45e-04	3.63e-05	-6.15e-06
2091	98	0.11	-0.13	-0.42	4.48e-05	3.40e-05	-6.91e-06
2091	105	0.10	-0.27	-0.39	6.24e-05	3.26e-05	-6.31e-06
2091	107	0.10	-0.13	-0.40	4.30e-05	3.26e-05	-6.57e-06
2091	112	6.56	-3.25	-0.88	-7.24e-04	8.00e-04	-4.66e-04
2091	124	-0.32	5.13	-0.98	-1.15e-03	6.46e-04	-2.80e-04
2091	129	3.70	-8.32	-0.05	1.25e-03	-1.15e-04	1.39e-05
2091	144	7.38	-3.65	-0.94	-8.20e-04	8.97e-04	-5.24e-04
2091	156	-0.38	5.79	-1.05	-1.30e-03	7.24e-04	-3.15e-04
2091	161	4.16	-9.36	-2.64e-03	1.40e-03	-1.33e-04	1.62e-05
2091	176	7.35	-3.64	-0.92	-7.91e-04	8.85e-04	-5.21e-04
2091	188	-0.37	5.78	-1.04	-1.29e-03	7.13e-04	-3.13e-04
2091	193	4.19	-9.37	-4.13e-03	1.39e-03	-1.26e-04	1.13e-05
2091	208	8.61	-4.26	-1.00	-9.20e-04	1.03e-03	-6.11e-04
2091	220	-0.46	6.79	-1.14	-1.51e-03	8.25e-04	-3.66e-04
2091	225	4.95	-10.99	0.06	1.62e-03	-1.46e-04	1.08e-05
2092	4	0.23	0.48	-0.34	-6.76e-06	0.0	-9.09e-06
2092	28	0.23	-0.90	-0.32	1.58e-04	0.0	-3.69e-06
2092	44	0.20	-1.34	-0.28	2.04e-04	0.0	0.0
2092	68	0.16	0.31	-0.24	-1.54e-06	0.0	-6.40e-06
2092	80	0.16	-0.61	-0.23	1.09e-04	0.0	-2.81e-06
2092	88	0.14	-0.90	-0.20	1.39e-04	0.0	0.0
2092	98	0.13	-0.13	-0.20	4.51e-05	0.0	-4.34e-06
2092	105	0.13	-0.27	-0.19	6.13e-05	0.0	-3.43e-06
2092	107	0.13	-0.12	-0.19	4.31e-05	0.0	-4.20e-06
2092	112	7.08	-0.69	5.42e-03	3.50e-05	0.0	-4.94e-04
2092	114	-5.39	4.23	-0.46	-3.58e-04	0.0	3.78e-04
2092	129	4.01	-7.86	-0.06	8.80e-04	0.0	-3.04e-04
2092	144	7.96	-0.76	0.03	3.42e-05	0.0	-5.56e-04
2092	146	-6.09	4.77	-0.49	-4.08e-04	0.0	4.26e-04
2092	161	4.51	-8.84	-0.05	9.85e-04	0.0	-3.43e-04
2092	176	7.93	-0.77	0.03	3.08e-05	0.0	-5.51e-04
2092	178	-6.06	4.69	-0.49	-3.95e-04	0.0	4.20e-04
2092	193	4.54	-8.78	-0.05	9.74e-04	0.0	-3.45e-04
2092	208	9.28	-0.90	0.07	2.77e-05	0.0	-6.45e-04
2092	210	-7.13	5.48	-0.54	-4.63e-04	0.0	4.90e-04
2092	225	5.35	-10.25	-0.02	1.13e-03	0.0	-4.10e-04
2093	4	0.22	0.48	-0.24	-8.65e-06	0.0	-9.63e-06
2093	28	0.22	-0.91	-0.23	1.58e-04	0.0	-4.08e-06
2093	44	0.20	-1.34	-0.20	2.04e-04	0.0	-1.03e-06
2093	68	0.16	0.31	-0.17	-2.80e-06	0.0	-6.78e-06
2093	80	0.16	-0.61	-0.16	1.08e-04	0.0	-3.08e-06
2093	88	0.14	-0.90	-0.14	1.39e-04	0.0	-1.04e-06
2093	98	0.13	-0.13	-0.14	4.45e-05	0.0	-4.60e-06
2093	105	0.13	-0.28	-0.14	6.09e-05	0.0	-3.66e-06
2093	107	0.12	-0.12	-0.14	4.25e-05	0.0	-4.45e-06
2093	112	7.08	-0.94	-0.03	5.76e-05	0.0	-4.94e-04
2093	114	-5.39	4.46	-0.29	-3.89e-04	0.0	3.77e-04
2093	129	4.01	-7.97	-0.06	9.13e-04	0.0	-3.04e-04
2093	144	7.96	-1.05	-0.01	5.97e-05	0.0	-5.56e-04
2093	146	-6.09	5.03	-0.31	-4.42e-04	0.0	4.25e-04
2093	161	4.51	-8.95	-0.06	1.02e-03	0.0	-3.42e-04
2093	176	7.93	-1.06	-0.01	5.54e-05	0.0	-5.51e-04
2093	178	-6.06	4.95	-0.31	-4.28e-04	0.0	4.18e-04
2093	193	4.53	-8.90	-0.06	1.01e-03	0.0	-3.44e-04

2093	208	9.28	-1.23	0.01	5.63e-05	0.0	-6.44e-04
2093	210	-7.13	5.78	-0.34	-5.02e-04	0.0	4.89e-04
2093	225	5.34	-10.39	-0.04	1.17e-03	0.0	-4.09e-04
2094	4	0.23	0.49	-0.35	-9.68e-06	0.0	-6.33e-06
2094	28	0.23	-0.98	-0.33	1.56e-04	0.0	-2.60e-06
2094	44	0.21	-1.44	-0.29	2.02e-04	0.0	0.0
2094	68	0.16	0.31	-0.25	-3.56e-06	0.0	-4.54e-06
2094	80	0.16	-0.67	-0.24	1.07e-04	0.0	-2.06e-06
2094	88	0.15	-0.97	-0.21	1.38e-04	0.0	0.0
2094	98	0.14	-0.15	-0.20	4.36e-05	0.0	-3.36e-06
2094	105	0.13	-0.30	-0.19	5.99e-05	0.0	-2.69e-06
2094	107	0.13	-0.14	-0.20	4.17e-05	0.0	-3.29e-06
2094	112	7.51	-0.70	-9.95e-03	2.67e-05	0.0	-5.17e-04
2094	114	-5.71	4.39	-0.46	-3.33e-04	0.0	4.00e-04
2094	129	4.25	-8.28	-0.08	8.32e-04	0.0	-3.23e-04
2094	144	8.44	-0.77	0.01	2.51e-05	0.0	-5.83e-04
2094	146	-6.45	4.96	-0.49	-3.80e-04	0.0	4.51e-04
2094	161	4.78	-9.30	-0.06	9.31e-04	0.0	-3.64e-04
2094	176	8.40	-0.78	0.01	2.20e-05	0.0	-5.76e-04
2094	178	-6.42	4.87	-0.49	-3.68e-04	0.0	4.44e-04
2094	193	4.80	-9.24	-0.06	9.21e-04	0.0	-3.66e-04
2094	208	9.83	-0.91	0.05	1.77e-05	0.0	-6.74e-04
2094	210	-7.56	5.69	-0.54	-4.32e-04	0.0	5.18e-04
2094	225	5.66	-10.78	-0.03	1.07e-03	0.0	-4.36e-04
2095	4	0.24	0.48	-0.25	-9.47e-06	0.0	-8.16e-06
2095	28	0.24	-0.99	-0.24	1.57e-04	0.0	-3.89e-06
2095	44	0.21	-1.44	-0.21	2.04e-04	0.0	-1.38e-06
2095	68	0.17	0.31	-0.18	-3.37e-06	0.0	-5.80e-06
2095	80	0.17	-0.67	-0.17	1.08e-04	0.0	-2.96e-06
2095	88	0.15	-0.97	-0.15	1.39e-04	0.0	-1.28e-06
2095	98	0.14	-0.15	-0.15	4.41e-05	0.0	-4.22e-06
2095	105	0.13	-0.31	-0.14	6.05e-05	0.0	-3.44e-06
2095	107	0.13	-0.14	-0.15	4.21e-05	0.0	-4.10e-06
2095	112	7.50	-0.96	-0.03	4.78e-05	0.0	-5.17e-04
2095	114	-5.70	4.63	-0.31	-3.55e-04	0.0	3.97e-04
2095	129	4.25	-8.40	-0.07	8.51e-04	0.0	-3.22e-04
2095	144	8.43	-1.07	-0.02	4.88e-05	0.0	-5.82e-04
2095	146	-6.44	5.23	-0.33	-4.05e-04	0.0	4.48e-04
2095	161	4.78	-9.43	-0.06	9.53e-04	0.0	-3.63e-04
2095	176	8.39	-1.08	-0.02	4.49e-05	0.0	-5.76e-04
2095	178	-6.41	5.14	-0.32	-3.92e-04	0.0	4.41e-04
2095	193	4.80	-9.38	-0.06	9.43e-04	0.0	-3.65e-04
2095	208	9.82	-1.25	4.88e-03	4.42e-05	0.0	-6.74e-04
2095	210	-7.54	6.01	-0.35	-4.59e-04	0.0	5.15e-04
2095	225	5.66	-10.94	-0.05	1.09e-03	0.0	-4.34e-04
2096	4	0.29	0.49	-0.35	6.92e-05	0.0	-9.95e-06
2096	44	0.25	-1.54	-0.29	1.92e-04	0.0	-3.70e-06
2096	52	0.29	-0.29	-0.35	1.21e-04	0.0	-9.05e-06
2096	68	0.20	0.32	-0.25	5.11e-05	0.0	-7.08e-06
2096	88	0.18	-1.04	-0.21	1.33e-04	0.0	-2.91e-06
2096	92	0.20	-0.20	-0.25	8.53e-05	0.0	-6.48e-06
2096	98	0.17	-0.17	-0.21	7.15e-05	0.0	-5.50e-06
2096	105	0.16	-0.33	-0.20	7.99e-05	0.0	-4.71e-06
2096	107	0.16	-0.16	-0.20	6.86e-05	0.0	-5.32e-06
2096	112	7.85	-0.71	-0.01	-3.36e-04	0.0	-5.39e-04
2096	114	-5.93	4.54	-0.46	9.12e-05	0.0	4.12e-04
2096	129	4.48	-8.68	-0.08	9.17e-04	0.0	-3.37e-04
2096	144	8.83	-0.78	0.01	-3.87e-04	0.0	-6.07e-04
2096	146	-6.71	5.13	-0.49	9.42e-05	0.0	4.64e-04
2096	161	5.03	-9.75	-0.06	1.02e-03	0.0	-3.80e-04
2096	176	8.78	-0.79	8.47e-03	-3.72e-04	0.0	-6.00e-04
2096	178	-6.67	5.04	-0.49	8.85e-05	0.0	4.57e-04
2096	193	5.04	-9.68	-0.06	1.01e-03	0.0	-3.82e-04
2096	208	10.27	-0.91	0.04	-4.40e-04	0.0	-7.01e-04
2096	210	-7.85	5.90	-0.54	8.98e-05	0.0	5.33e-04
2096	225	5.94	-11.29	-0.04	1.17e-03	0.0	-4.54e-04
2097	4	0.29	0.49	-0.27	6.78e-05	0.0	-9.67e-06
2097	44	0.25	-1.55	-0.23	1.91e-04	0.0	-3.36e-06
2097	52	0.29	-0.29	-0.27	1.19e-04	0.0	-8.70e-06
2097	68	0.20	0.31	-0.20	5.02e-05	0.0	-6.88e-06
2097	88	0.18	-1.04	-0.17	1.32e-04	0.0	-2.67e-06
2097	92	0.20	-0.20	-0.19	8.43e-05	0.0	-6.24e-06
2097	98	0.17	-0.17	-0.16	7.08e-05	0.0	-5.30e-06
2097	105	0.16	-0.34	-0.16	7.93e-05	0.0	-4.52e-06
2097	107	0.16	-0.16	-0.16	6.80e-05	0.0	-5.13e-06

2097	112	7.85	-0.98	-0.04	-3.48e-04	0.0	-5.39e-04
2097	114	-5.93	4.79	-0.32	1.09e-04	0.0	4.12e-04
2097	129	4.48	-8.80	-0.09	9.17e-04	0.0	-3.37e-04
2097	144	8.83	-1.09	-0.03	-4.00e-04	0.0	-6.06e-04
2097	146	-6.71	5.42	-0.34	1.14e-04	0.0	4.64e-04
2097	161	5.03	-9.89	-0.08	1.02e-03	0.0	-3.79e-04
2097	176	8.78	-1.09	-0.03	-3.84e-04	0.0	-5.99e-04
2097	178	-6.67	5.32	-0.34	1.08e-04	0.0	4.57e-04
2097	193	5.05	-9.82	-0.08	1.01e-03	0.0	-3.81e-04
2097	208	10.27	-1.27	-8.88e-03	-4.54e-04	0.0	-7.00e-04
2097	210	-7.85	6.22	-0.37	1.12e-04	0.0	5.33e-04
2097	225	5.94	-11.47	-0.06	1.17e-03	0.0	-4.53e-04
2098	4	0.22	0.47	-0.19	-9.64e-06	0.0	-1.02e-05
2098	28	0.22	-0.91	-0.18	1.58e-04	0.0	-4.58e-06
2098	44	0.20	-1.34	-0.16	2.05e-04	0.0	-1.40e-06
2098	68	0.15	0.31	-0.14	-3.46e-06	0.0	-7.17e-06
2098	80	0.16	-0.61	-0.13	1.08e-04	0.0	-3.42e-06
2098	88	0.14	-0.90	-0.12	1.39e-04	0.0	-1.30e-06
2098	98	0.13	-0.13	-0.12	4.43e-05	0.0	-4.91e-06
2098	105	0.12	-0.28	-0.11	6.08e-05	0.0	-3.93e-06
2098	107	0.12	-0.12	-0.11	4.24e-05	0.0	-4.73e-06
2098	112	7.07	-1.19	-0.06	8.14e-05	0.0	-4.93e-04
2098	114	-5.39	4.68	-0.19	-4.15e-04	0.0	3.75e-04
2098	129	4.01	-8.07	-0.08	9.37e-04	0.0	-3.03e-04
2098	144	7.95	-1.33	-0.05	8.66e-05	0.0	-5.55e-04
2098	146	-6.09	5.29	-0.20	-4.72e-04	0.0	4.23e-04
2098	161	4.50	-9.07	-0.07	1.05e-03	0.0	-3.42e-04
2098	176	7.92	-1.34	-0.05	8.14e-05	0.0	-5.50e-04
2098	178	-6.06	5.20	-0.20	-4.57e-04	0.0	4.17e-04
2098	193	4.53	-9.02	-0.07	1.04e-03	0.0	-3.44e-04
2098	208	9.27	-1.56	-0.04	8.65e-05	0.0	-6.44e-04
2098	210	-7.13	6.08	-0.22	-5.35e-04	0.0	4.87e-04
2098	225	5.34	-10.54	-0.06	1.20e-03	0.0	-4.08e-04
2099	4	0.24	0.48	-0.20	-9.85e-06	0.0	-9.48e-06
2099	28	0.24	-0.99	-0.19	1.58e-04	0.0	-4.85e-06
2099	44	0.21	-1.45	-0.17	2.05e-04	0.0	-2.04e-06
2099	68	0.17	0.31	-0.14	-3.61e-06	0.0	-6.71e-06
2099	80	0.17	-0.67	-0.14	1.08e-04	0.0	-3.62e-06
2099	88	0.15	-0.97	-0.13	1.39e-04	0.0	-1.75e-06
2099	98	0.14	-0.15	-0.12	4.42e-05	0.0	-4.85e-06
2099	105	0.13	-0.31	-0.12	6.07e-05	0.0	-3.99e-06
2099	107	0.13	-0.15	-0.12	4.23e-05	0.0	-4.69e-06
2099	112	7.49	-1.23	-0.06	7.05e-05	0.0	-5.16e-04
2099	114	-5.69	4.87	-0.20	-3.80e-04	0.0	3.94e-04
2099	129	4.25	-8.51	-0.08	8.74e-04	0.0	-3.20e-04
2099	144	8.42	-1.37	-0.05	7.43e-05	0.0	-5.81e-04
2099	146	-6.43	5.50	-0.21	-4.33e-04	0.0	4.45e-04
2099	161	4.77	-9.56	-0.08	9.78e-04	0.0	-3.61e-04
2099	176	8.38	-1.37	-0.05	6.96e-05	0.0	-5.75e-04
2099	178	-6.40	5.41	-0.21	-4.18e-04	0.0	4.38e-04
2099	193	4.79	-9.51	-0.08	9.68e-04	0.0	-3.63e-04
2099	208	9.81	-1.60	-0.04	7.27e-05	0.0	-6.72e-04
2099	210	-7.53	6.32	-0.23	-4.90e-04	0.0	5.11e-04
2099	225	5.65	-11.11	-0.07	1.12e-03	0.0	-4.31e-04
2100	4	0.29	0.48	-0.22	6.69e-05	0.0	-9.58e-06
2100	44	0.25	-1.55	-0.19	1.90e-04	0.0	-3.17e-06
2100	52	0.29	-0.30	-0.22	1.18e-04	0.0	-8.56e-06
2100	68	0.20	0.31	-0.16	4.96e-05	0.0	-6.82e-06
2100	88	0.18	-1.04	-0.14	1.32e-04	0.0	-2.54e-06
2100	92	0.20	-0.21	-0.16	8.38e-05	0.0	-6.14e-06
2100	98	0.17	-0.17	-0.14	7.05e-05	0.0	-5.22e-06
2100	105	0.16	-0.34	-0.13	7.90e-05	0.0	-4.43e-06
2100	107	0.16	-0.17	-0.13	6.78e-05	0.0	-5.06e-06
2100	112	7.86	-1.25	-0.07	-3.61e-04	0.0	-5.38e-04
2100	114	-5.94	5.04	-0.22	1.28e-04	0.0	4.12e-04
2100	129	4.48	-8.92	-0.09	9.18e-04	0.0	-3.36e-04
2100	144	8.83	-1.40	-0.06	-4.14e-04	0.0	-6.06e-04
2100	146	-6.71	5.70	-0.23	1.36e-04	0.0	4.64e-04
2100	161	5.03	-10.03	-0.09	1.02e-03	0.0	-3.79e-04
2100	176	8.79	-1.40	-0.06	-3.98e-04	0.0	-5.99e-04
2100	178	-6.67	5.60	-0.23	1.29e-04	0.0	4.57e-04
2100	193	5.05	-9.97	-0.09	1.01e-03	0.0	-3.81e-04
2100	208	10.28	-1.62	-0.05	-4.70e-04	0.0	-7.00e-04
2100	210	-7.86	6.54	-0.25	1.37e-04	0.0	5.33e-04
2100	225	5.94	-11.64	-0.08	1.17e-03	0.0	-4.53e-04

2101	4	0.22	0.47	-0.17	-1.02e-05	0.0	-1.06e-05
2101	28	0.22	-0.91	-0.16	1.58e-04	0.0	-4.97e-06
2101	44	0.19	-1.34	-0.14	2.05e-04	0.0	-1.70e-06
2101	68	0.15	0.30	-0.12	-3.81e-06	0.0	-7.42e-06
2101	80	0.15	-0.62	-0.11	1.09e-04	0.0	-3.69e-06
2101	88	0.14	-0.90	-0.10	1.40e-04	0.0	-1.51e-06
2101	98	0.13	-0.13	-0.10	4.43e-05	0.0	-5.12e-06
2101	105	0.12	-0.28	-0.10	6.09e-05	0.0	-4.13e-06
2101	107	0.12	-0.13	-0.10	4.24e-05	0.0	-4.93e-06
2101	112	7.07	-1.45	-0.07	1.05e-04	0.0	-4.93e-04
2101	114	-5.38	4.91	-0.14	-4.39e-04	0.0	3.75e-04
2101	129	4.00	-8.17	-0.08	9.56e-04	0.0	-3.03e-04
2101	144	7.95	-1.62	-0.07	1.13e-04	0.0	-5.55e-04
2101	146	-6.08	5.54	-0.15	-5.00e-04	0.0	4.22e-04
2101	161	4.50	-9.18	-0.08	1.07e-03	0.0	-3.42e-04
2101	176	7.91	-1.62	-0.07	1.07e-04	0.0	-5.50e-04
2101	178	-6.06	5.45	-0.15	-4.83e-04	0.0	4.16e-04
2101	193	4.52	-9.14	-0.08	1.06e-03	0.0	-3.43e-04
2101	208	9.26	-1.89	-0.06	1.16e-04	0.0	-6.43e-04
2101	210	-7.13	6.37	-0.16	-5.65e-04	0.0	4.86e-04
2101	225	5.33	-10.69	-0.07	1.23e-03	0.0	-4.08e-04
2102	4	0.24	0.47	-0.18	-1.02e-05	0.0	-1.01e-05
2102	28	0.24	-0.99	-0.17	1.58e-04	0.0	-5.35e-06
2102	44	0.21	-1.45	-0.15	2.05e-04	0.0	-2.40e-06
2102	68	0.17	0.30	-0.13	-3.81e-06	0.0	-7.13e-06
2102	80	0.17	-0.67	-0.12	1.09e-04	0.0	-3.96e-06
2102	88	0.15	-0.97	-0.11	1.40e-04	0.0	-2.00e-06
2102	98	0.14	-0.16	-0.11	4.43e-05	0.0	-5.16e-06
2102	105	0.13	-0.31	-0.11	6.10e-05	0.0	-4.27e-06
2102	107	0.13	-0.15	-0.11	4.24e-05	0.0	-4.99e-06
2102	112	7.48	-1.49	-0.08	9.27e-05	0.0	-5.16e-04
2102	114	-5.69	5.11	-0.15	-4.04e-04	0.0	3.93e-04
2102	129	4.24	-8.62	-0.09	8.95e-04	0.0	-3.19e-04
2102	144	8.42	-1.66	-0.07	9.93e-05	0.0	-5.80e-04
2102	146	-6.43	5.77	-0.16	-4.60e-04	0.0	4.43e-04
2102	161	4.77	-9.69	-0.08	1.00e-03	0.0	-3.60e-04
2102	176	8.38	-1.66	-0.07	9.37e-05	0.0	-5.74e-04
2102	178	-6.40	5.67	-0.16	-4.44e-04	0.0	4.36e-04
2102	193	4.79	-9.64	-0.08	9.92e-04	0.0	-3.62e-04
2102	208	9.80	-1.94	-0.07	1.01e-04	0.0	-6.72e-04
2102	210	-7.53	6.63	-0.17	-5.20e-04	0.0	5.10e-04
2102	225	5.65	-11.27	-0.08	1.15e-03	0.0	-4.30e-04
2103	4	0.29	0.48	-0.19	6.52e-05	0.0	-9.57e-06
2103	44	0.25	-1.55	-0.17	1.89e-04	0.0	-3.18e-06
2103	52	0.29	-0.30	-0.19	1.17e-04	0.0	-8.56e-06
2103	68	0.20	0.31	-0.14	4.85e-05	0.0	-6.81e-06
2103	88	0.18	-1.04	-0.12	1.31e-04	0.0	-2.55e-06
2103	92	0.20	-0.21	-0.14	8.27e-05	0.0	-6.14e-06
2103	98	0.17	-0.18	-0.12	6.98e-05	0.0	-5.22e-06
2103	105	0.16	-0.34	-0.12	7.84e-05	0.0	-4.44e-06
2103	107	0.16	-0.17	-0.12	6.71e-05	0.0	-5.06e-06
2103	112	7.86	-1.53	-0.08	-3.74e-04	0.0	-5.38e-04
2103	114	-5.94	5.30	-0.17	1.47e-04	0.0	4.12e-04
2103	129	4.48	-9.05	-0.10	9.19e-04	0.0	-3.36e-04
2103	144	8.83	-1.70	-0.08	-4.29e-04	0.0	-6.06e-04
2103	146	-6.71	5.98	-0.17	1.57e-04	0.0	4.64e-04
2103	161	5.03	-10.17	-0.09	1.03e-03	0.0	-3.79e-04
2103	176	8.79	-1.70	-0.08	-4.12e-04	0.0	-5.99e-04
2103	178	-6.67	5.88	-0.17	1.50e-04	0.0	4.57e-04
2103	193	5.05	-10.11	-0.09	1.01e-03	0.0	-3.81e-04
2103	208	10.28	-1.98	-0.07	-4.86e-04	0.0	-7.00e-04
2103	210	-7.86	6.87	-0.18	1.61e-04	0.0	5.33e-04
2103	225	5.94	-11.82	-0.09	1.17e-03	0.0	-4.53e-04
2104	4	0.21	0.46	-0.16	-1.07e-05	0.0	-1.07e-05
2104	28	0.22	-0.91	-0.15	1.59e-04	0.0	-5.25e-06
2104	44	0.19	-1.34	-0.14	2.06e-04	0.0	-1.94e-06
2104	68	0.15	0.30	-0.11	-4.08e-06	0.0	-7.52e-06
2104	80	0.15	-0.62	-0.11	1.09e-04	0.0	-3.88e-06
2104	88	0.14	-0.91	-0.10	1.40e-04	0.0	-1.67e-06
2104	98	0.13	-0.14	-0.10	4.44e-05	0.0	-5.25e-06
2104	105	0.12	-0.28	-0.10	6.11e-05	0.0	-4.25e-06
2104	107	0.12	-0.13	-0.10	4.25e-05	0.0	-5.04e-06
2104	112	7.06	-1.70	-0.08	-4.64e-04	0.0	-4.91e-04
2104	114	-5.38	5.14	-0.12	1.28e-04	0.0	3.73e-04
2104	129	4.00	-8.27	-0.08	9.76e-04	0.0	-3.02e-04

2104	144	7.94	-1.90	-0.08	-5.27e-04	0.0	-5.53e-04
2104	146	-6.08	5.80	-0.12	1.39e-04	0.0	4.20e-04
2104	161	4.49	-9.30	-0.08	1.09e-03	0.0	-3.40e-04
2104	176	7.91	-1.90	-0.08	-5.09e-04	0.0	-5.48e-04
2104	178	-6.05	5.70	-0.12	1.32e-04	0.0	4.14e-04
2104	193	4.52	-9.26	-0.08	1.08e-03	0.0	-3.42e-04
2104	208	9.26	-2.22	-0.08	-5.95e-04	0.0	-6.40e-04
2104	210	-7.12	6.67	-0.12	1.45e-04	0.0	4.84e-04
2104	225	5.33	-10.83	-0.08	1.26e-03	0.0	-4.06e-04
2105	4	0.24	0.47	-0.17	-1.07e-05	0.0	-1.03e-05
2105	28	0.24	-0.99	-0.16	1.59e-04	0.0	-5.59e-06
2105	44	0.21	-1.45	-0.14	2.06e-04	0.0	-2.60e-06
2105	68	0.17	0.30	-0.12	-4.14e-06	0.0	-7.27e-06
2105	80	0.17	-0.67	-0.12	1.09e-04	0.0	-4.13e-06
2105	88	0.15	-0.98	-0.11	1.41e-04	0.0	-2.13e-06
2105	98	0.14	-0.16	-0.11	4.44e-05	0.0	-5.29e-06
2105	105	0.13	-0.31	-0.10	6.11e-05	0.0	-4.39e-06
2105	107	0.13	-0.15	-0.10	4.25e-05	0.0	-5.10e-06
2105	112	7.48	-1.75	-0.09	-4.29e-04	0.0	-5.15e-04
2105	114	-5.69	5.35	-0.12	1.15e-04	0.0	3.92e-04
2105	129	4.24	-8.74	-0.09	9.17e-04	0.0	-3.19e-04
2105	144	8.41	-1.96	-0.09	-4.88e-04	0.0	-5.79e-04
2105	146	-6.42	6.04	-0.13	1.25e-04	0.0	4.42e-04
2105	161	4.77	-9.82	-0.09	1.03e-03	0.0	-3.59e-04
2105	176	8.37	-1.96	-0.09	-4.71e-04	0.0	-5.73e-04
2105	178	-6.39	5.94	-0.13	1.18e-04	0.0	4.35e-04
2105	193	4.79	-9.78	-0.09	1.02e-03	0.0	-3.61e-04
2105	208	9.80	-2.28	-0.08	-5.51e-04	0.0	-6.70e-04
2105	210	-7.52	6.94	-0.13	1.29e-04	0.0	5.08e-04
2105	225	5.64	-11.43	-0.08	1.18e-03	0.0	-4.29e-04
2106	4	0.29	0.47	-0.18	6.36e-05	0.0	-9.48e-06
2106	44	0.25	-1.55	-0.16	1.88e-04	0.0	-3.18e-06
2106	52	0.29	-0.30	-0.18	1.15e-04	0.0	-8.48e-06
2106	68	0.20	0.30	-0.13	4.75e-05	0.0	-6.75e-06
2106	88	0.18	-1.05	-0.12	1.31e-04	0.0	-2.55e-06
2106	92	0.20	-0.22	-0.13	8.18e-05	0.0	-6.08e-06
2106	98	0.17	-0.18	-0.12	6.92e-05	0.0	-5.17e-06
2106	105	0.16	-0.34	-0.11	7.79e-05	0.0	-4.41e-06
2106	107	0.16	-0.17	-0.11	6.65e-05	0.0	-5.02e-06
2106	112	7.86	-1.80	-0.10	-3.87e-04	0.0	-5.38e-04
2106	114	-5.94	5.55	-0.14	1.64e-04	0.0	4.12e-04
2106	129	4.48	-9.17	-0.10	9.20e-04	0.0	-3.36e-04
2106	144	8.83	-2.01	-0.10	-4.43e-04	0.0	-6.06e-04
2106	146	-6.71	6.27	-0.14	1.77e-04	0.0	4.64e-04
2106	161	5.03	-10.31	-0.10	1.03e-03	0.0	-3.79e-04
2106	176	8.79	-2.00	-0.10	-4.26e-04	0.0	-5.99e-04
2106	178	-6.68	6.15	-0.14	1.69e-04	0.0	4.57e-04
2106	193	5.05	-10.26	-0.10	1.01e-03	0.0	-3.81e-04
2106	208	10.28	-2.33	-0.09	-5.02e-04	0.0	-7.00e-04
2106	210	-7.86	7.19	-0.14	1.84e-04	0.0	5.33e-04
2106	225	5.95	-11.99	-0.09	1.17e-03	0.0	-4.53e-04
2107	4	0.21	0.45	-0.16	-1.10e-05	0.0	-1.07e-05
2107	28	0.21	-0.92	-0.16	1.59e-04	0.0	-5.53e-06
2107	44	0.19	-1.35	-0.14	2.07e-04	0.0	-2.23e-06
2107	68	0.15	0.29	-0.12	-4.30e-06	0.0	-7.49e-06
2107	80	0.15	-0.62	-0.11	1.09e-04	0.0	-4.05e-06
2107	88	0.13	-0.91	-0.10	1.41e-04	0.0	-1.85e-06
2107	98	0.13	-0.14	-0.10	4.44e-05	0.0	-5.32e-06
2107	105	0.12	-0.28	-0.10	6.13e-05	0.0	-4.32e-06
2107	107	0.12	-0.13	-0.10	4.26e-05	0.0	-5.10e-06
2107	112	7.06	-1.95	-0.10	-4.89e-04	0.0	-4.88e-04
2107	129	3.99	-8.38	-0.08	9.96e-04	0.0	-2.99e-04
2107	130	-3.75	8.11	-0.12	-9.11e-04	0.0	2.89e-04
2107	144	7.94	-2.18	-0.10	-5.55e-04	0.0	-5.49e-04
2107	161	4.49	-9.42	-0.08	1.12e-03	0.0	-3.37e-04
2107	162	-4.25	9.15	-0.12	-1.03e-03	0.0	3.27e-04
2107	176	7.90	-2.18	-0.10	-5.36e-04	0.0	-5.44e-04
2107	193	4.51	-9.38	-0.08	1.11e-03	0.0	-3.39e-04
2107	194	-4.27	9.12	-0.12	-1.02e-03	0.0	3.28e-04
2107	208	9.25	-2.55	-0.10	-6.26e-04	0.0	-6.36e-04
2107	225	5.32	-10.98	-0.08	1.29e-03	0.0	-4.02e-04
2107	226	-5.08	10.71	-0.12	-1.20e-03	0.0	3.92e-04
2108	4	0.24	0.46	-0.17	-1.12e-05	0.0	-1.03e-05
2108	28	0.24	-1.00	-0.16	1.59e-04	0.0	-5.72e-06
2108	44	0.21	-1.45	-0.15	2.07e-04	0.0	-2.72e-06

2108	68	0.17	0.30	-0.13	-4.44e-06	0.0	-7.27e-06
2108	80	0.17	-0.68	-0.12	1.09e-04	0.0	-4.21e-06
2108	88	0.15	-0.98	-0.11	1.41e-04	0.0	-2.21e-06
2108	98	0.14	-0.16	-0.11	4.44e-05	0.0	-5.32e-06
2108	105	0.13	-0.32	-0.10	6.13e-05	0.0	-4.42e-06
2108	107	0.13	-0.15	-0.11	4.26e-05	0.0	-5.12e-06
2108	112	7.48	-2.01	-0.10	-4.55e-04	0.0	-5.13e-04
2108	129	4.24	-8.85	-0.09	9.40e-04	0.0	-3.17e-04
2108	130	-3.97	8.54	-0.12	-8.54e-04	0.0	3.07e-04
2108	144	8.41	-2.25	-0.10	-5.17e-04	0.0	-5.77e-04
2108	161	4.76	-9.95	-0.09	1.05e-03	0.0	-3.57e-04
2108	162	-4.50	9.64	-0.12	-9.67e-04	0.0	3.47e-04
2108	176	8.37	-2.25	-0.10	-4.99e-04	0.0	-5.71e-04
2108	193	4.78	-9.91	-0.09	1.04e-03	0.0	-3.59e-04
2108	194	-4.52	9.60	-0.12	-9.57e-04	0.0	3.49e-04
2108	208	9.80	-2.62	-0.10	-5.84e-04	0.0	-6.68e-04
2108	225	5.64	-11.59	-0.08	1.21e-03	0.0	-4.27e-04
2108	226	-5.37	11.28	-0.13	-1.13e-03	0.0	4.16e-04
2109	4	0.29	0.47	-0.19	6.14e-05	0.0	-9.31e-06
2109	44	0.25	-1.55	-0.16	1.87e-04	0.0	-3.03e-06
2109	52	0.29	-0.31	-0.19	1.13e-04	0.0	-8.29e-06
2109	68	0.20	0.30	-0.14	4.60e-05	0.0	-6.63e-06
2109	88	0.18	-1.05	-0.12	1.30e-04	0.0	-2.45e-06
2109	92	0.20	-0.22	-0.14	8.05e-05	0.0	-5.95e-06
2109	98	0.17	-0.18	-0.12	6.82e-05	0.0	-5.06e-06
2109	105	0.16	-0.35	-0.12	7.70e-05	0.0	-4.31e-06
2109	107	0.16	-0.18	-0.12	6.57e-05	0.0	-4.92e-06
2109	112	7.86	-2.07	-0.11	-3.98e-04	0.0	-5.38e-04
2109	129	4.48	-9.30	-0.10	9.18e-04	0.0	-3.36e-04
2109	130	-4.16	8.95	-0.13	-7.87e-04	0.0	3.26e-04
2109	144	8.83	-2.32	-0.11	-4.56e-04	0.0	-6.06e-04
2109	161	5.03	-10.45	-0.10	1.03e-03	0.0	-3.79e-04
2109	162	-4.71	10.10	-0.14	-8.94e-04	0.0	3.69e-04
2109	176	8.79	-2.31	-0.11	-4.38e-04	0.0	-5.99e-04
2109	193	5.05	-10.41	-0.10	1.01e-03	0.0	-3.81e-04
2109	194	-4.73	10.06	-0.14	-8.82e-04	0.0	3.71e-04
2109	208	10.28	-2.69	-0.11	-5.16e-04	0.0	-7.00e-04
2109	225	5.95	-12.17	-0.09	1.17e-03	0.0	-4.52e-04
2109	226	-5.62	11.82	-0.14	-1.04e-03	0.0	4.42e-04
2110	4	0.21	0.45	-0.19	-1.13e-05	0.0	-1.04e-05
2110	28	0.21	-0.92	-0.18	1.59e-04	0.0	-5.89e-06
2110	44	0.19	-1.35	-0.16	2.07e-04	0.0	-2.70e-06
2110	68	0.15	0.29	-0.14	-4.47e-06	0.0	-7.30e-06
2110	80	0.15	-0.62	-0.13	1.09e-04	0.0	-4.28e-06
2110	88	0.13	-0.91	-0.11	1.41e-04	0.0	-2.16e-06
2110	98	0.12	-0.14	-0.12	4.45e-05	0.0	-5.35e-06
2110	105	0.12	-0.29	-0.11	6.14e-05	0.0	-4.40e-06
2110	107	0.12	-0.14	-0.11	4.26e-05	0.0	-5.11e-06
2110	112	7.05	-2.20	-0.13	-5.16e-04	0.0	-4.83e-04
2110	124	-0.35	5.82	-0.14	-9.27e-04	0.0	2.58e-05
2110	129	3.99	-8.48	-0.09	1.02e-03	0.0	-2.95e-04
2110	144	7.93	-2.46	-0.13	-5.86e-04	0.0	-5.43e-04
2110	156	-0.41	6.57	-0.15	-1.05e-03	0.0	3.00e-05
2110	161	4.48	-9.53	-0.09	1.14e-03	0.0	-3.33e-04
2110	176	7.90	-2.46	-0.13	-5.65e-04	0.0	-5.39e-04
2110	188	-0.41	6.54	-0.15	-1.03e-03	0.0	3.02e-05
2110	193	4.51	-9.50	-0.09	1.13e-03	0.0	-3.34e-04
2110	208	9.24	-2.87	-0.14	-6.60e-04	0.0	-6.30e-04
2110	220	-0.49	7.66	-0.15	-1.21e-03	0.0	3.82e-05
2110	225	5.32	-11.12	-0.08	1.32e-03	0.0	-3.97e-04
2111	4	0.23	0.45	-0.20	-1.17e-05	0.0	-1.02e-05
2111	28	0.24	-1.00	-0.19	1.59e-04	0.0	-5.83e-06
2111	44	0.21	-1.45	-0.16	2.07e-04	0.0	-2.89e-06
2111	68	0.16	0.29	-0.14	-4.74e-06	0.0	-7.16e-06
2111	80	0.17	-0.68	-0.13	1.09e-04	0.0	-4.27e-06
2111	88	0.15	-0.98	-0.12	1.41e-04	0.0	-2.31e-06
2111	98	0.14	-0.16	-0.12	4.43e-05	0.0	-5.29e-06
2111	105	0.13	-0.32	-0.12	6.13e-05	0.0	-4.41e-06
2111	107	0.13	-0.16	-0.12	4.25e-05	0.0	-5.09e-06
2111	112	7.48	-2.27	-0.14	-4.84e-04	0.0	-5.10e-04
2111	124	-0.37	6.17	-0.15	-8.73e-04	0.0	2.94e-05
2111	129	4.24	-8.96	-0.09	9.66e-04	0.0	-3.14e-04
2111	144	8.41	-2.54	-0.14	-5.50e-04	0.0	-5.74e-04
2111	156	-0.44	6.96	-0.15	-9.88e-04	0.0	3.41e-05
2111	161	4.76	-10.07	-0.09	1.08e-03	0.0	-3.54e-04

2111	176	8.37	-2.54	-0.14	-5.31e-04	0.0	-5.68e-04
2111	188	-0.43	6.92	-0.15	-9.75e-04	0.0	3.49e-05
2111	193	4.78	-10.04	-0.09	1.07e-03	0.0	-3.56e-04
2111	208	9.80	-2.96	-0.14	-6.20e-04	0.0	-6.64e-04
2111	220	-0.53	8.11	-0.16	-1.14e-03	0.0	4.40e-05
2111	225	5.64	-11.75	-0.09	1.25e-03	0.0	-4.23e-04
2112	4	0.29	0.46	-0.22	5.89e-05	0.0	-8.96e-06
2112	44	0.25	-1.55	-0.18	1.86e-04	0.0	-2.59e-06
2112	52	0.29	-0.31	-0.21	1.11e-04	0.0	-7.79e-06
2112	68	0.20	0.29	-0.16	4.44e-05	0.0	-6.38e-06
2112	88	0.18	-1.05	-0.13	1.29e-04	0.0	-2.13e-06
2112	92	0.20	-0.22	-0.15	7.92e-05	0.0	-5.60e-06
2112	98	0.17	-0.19	-0.13	6.72e-05	0.0	-4.78e-06
2112	105	0.16	-0.35	-0.13	7.63e-05	0.0	-4.03e-06
2112	107	0.16	-0.18	-0.13	6.48e-05	0.0	-4.65e-06
2112	112	7.86	-2.34	-0.15	-4.05e-04	0.0	-5.37e-04
2112	124	-0.39	6.49	-0.16	-7.79e-04	0.0	3.50e-05
2112	129	4.48	-9.43	-0.11	9.10e-04	0.0	-3.35e-04
2112	144	8.83	-2.62	-0.15	-4.64e-04	0.0	-6.05e-04
2112	156	-0.46	7.33	-0.17	-8.85e-04	0.0	4.05e-05
2112	161	5.03	-10.59	-0.10	1.02e-03	0.0	-3.78e-04
2112	176	8.79	-2.61	-0.15	-4.46e-04	0.0	-5.98e-04
2112	188	-0.46	7.29	-0.17	-8.72e-04	0.0	4.18e-05
2112	193	5.05	-10.56	-0.10	1.00e-03	0.0	-3.80e-04
2112	208	10.28	-3.04	-0.16	-5.25e-04	0.0	-6.99e-04
2112	220	-0.56	8.55	-0.17	-1.03e-03	0.0	5.25e-05
2112	225	5.95	-12.35	-0.10	1.16e-03	0.0	-4.52e-04
2113	4	0.21	0.44	-0.23	-1.14e-05	0.0	-9.77e-06
2113	28	0.21	-0.92	-0.21	1.59e-04	0.0	-6.39e-06
2113	44	0.19	-1.35	-0.19	2.08e-04	0.0	-3.50e-06
2113	68	0.15	0.29	-0.17	-4.50e-06	0.0	-6.85e-06
2113	80	0.15	-0.63	-0.15	1.09e-04	0.0	-4.60e-06
2113	88	0.13	-0.91	-0.14	1.42e-04	0.0	-2.67e-06
2113	98	0.12	-0.14	-0.14	4.45e-05	0.0	-5.30e-06
2113	105	0.12	-0.29	-0.13	6.15e-05	0.0	-4.46e-06
2113	107	0.12	-0.14	-0.13	4.27e-05	0.0	-5.06e-06
2113	112	7.05	-2.44	-0.17	-5.45e-04	0.0	-4.78e-04
2113	124	-0.35	5.77	-0.19	-9.53e-04	0.0	2.52e-05
2113	129	3.98	-8.57	-0.09	1.05e-03	0.0	-2.92e-04
2113	144	7.93	-2.74	-0.18	-6.19e-04	0.0	-5.38e-04
2113	156	-0.41	6.51	-0.20	-1.08e-03	0.0	2.93e-05
2113	161	4.48	-9.64	-0.09	1.17e-03	0.0	-3.29e-04
2113	176	7.89	-2.73	-0.18	-5.97e-04	0.0	-5.34e-04
2113	188	-0.41	6.48	-0.20	-1.06e-03	0.0	2.92e-05
2113	193	4.50	-9.62	-0.09	1.16e-03	0.0	-3.31e-04
2113	208	9.24	-3.19	-0.18	-6.96e-04	0.0	-6.25e-04
2113	220	-0.49	7.60	-0.21	-1.25e-03	0.0	3.68e-05
2113	225	5.31	-11.26	-0.08	1.35e-03	0.0	-3.93e-04
2114	4	0.23	0.45	-0.25	-1.22e-05	0.0	-9.73e-06
2114	28	0.23	-1.00	-0.23	1.59e-04	0.0	-6.03e-06
2114	44	0.21	-1.45	-0.20	2.07e-04	0.0	-3.28e-06
2114	68	0.16	0.29	-0.18	-5.04e-06	0.0	-6.85e-06
2114	80	0.16	-0.68	-0.16	1.09e-04	0.0	-4.38e-06
2114	88	0.15	-0.98	-0.14	1.41e-04	0.0	-2.55e-06
2114	98	0.14	-0.17	-0.15	4.41e-05	0.0	-5.19e-06
2114	105	0.13	-0.32	-0.14	6.12e-05	0.0	-4.38e-06
2114	107	0.13	-0.16	-0.14	4.23e-05	0.0	-4.98e-06
2114	112	7.48	-2.53	-0.18	-5.17e-04	0.0	-5.07e-04
2114	124	-0.37	6.12	-0.20	-9.05e-04	0.0	2.86e-05
2114	129	4.23	-9.07	-0.10	9.98e-04	0.0	-3.12e-04
2114	144	8.41	-2.83	-0.19	-5.87e-04	0.0	-5.71e-04
2114	156	-0.44	6.91	-0.21	-1.02e-03	0.0	3.32e-05
2114	161	4.76	-10.20	-0.09	1.12e-03	0.0	-3.51e-04
2114	176	8.38	-2.82	-0.19	-5.67e-04	0.0	-5.65e-04
2114	188	-0.43	6.88	-0.21	-1.01e-03	0.0	3.38e-05
2114	193	4.78	-10.17	-0.09	1.11e-03	0.0	-3.53e-04
2114	208	9.80	-3.30	-0.19	-6.61e-04	0.0	-6.61e-04
2114	220	-0.53	8.06	-0.22	-1.18e-03	0.0	4.27e-05
2114	225	5.63	-11.91	-0.09	1.29e-03	0.0	-4.20e-04
2115	4	0.29	0.46	-0.27	5.63e-05	0.0	-8.50e-06
2115	44	0.25	-1.56	-0.22	1.86e-04	0.0	-1.94e-06
2115	52	0.29	-0.32	-0.26	1.09e-04	0.0	-7.10e-06
2115	68	0.20	0.29	-0.19	4.27e-05	0.0	-6.05e-06
2115	88	0.18	-1.05	-0.16	1.29e-04	0.0	-1.68e-06
2115	92	0.21	-0.23	-0.19	7.80e-05	0.0	-5.12e-06

2115	98	0.17	-0.19	-0.16	6.64e-05	0.0	-4.39e-06
2115	105	0.16	-0.35	-0.15	7.56e-05	0.0	-3.65e-06
2115	107	0.16	-0.18	-0.16	6.41e-05	0.0	-4.27e-06
2115	112	7.86	-2.61	-0.20	2.03e-04	0.0	-5.37e-04
2115	124	-0.39	6.46	-0.22	-5.79e-04	0.0	3.52e-05
2115	129	4.48	-9.55	-0.11	8.91e-04	0.0	-3.34e-04
2115	144	8.83	-2.93	-0.21	2.21e-04	0.0	-6.04e-04
2115	156	-0.46	7.29	-0.23	-6.59e-04	0.0	4.06e-05
2115	161	5.03	-10.74	-0.11	9.94e-04	0.0	-3.77e-04
2115	176	8.79	-2.91	-0.20	2.13e-04	0.0	-5.97e-04
2115	188	-0.45	7.25	-0.23	-6.55e-04	0.0	4.19e-05
2115	193	5.05	-10.71	-0.11	9.84e-04	0.0	-3.79e-04
2115	208	10.28	-3.40	-0.21	2.35e-04	0.0	-6.98e-04
2115	220	-0.56	8.51	-0.24	-7.75e-04	0.0	5.26e-05
2115	225	5.95	-12.53	-0.10	1.14e-03	0.0	-4.51e-04
2116	4	0.20	0.44	-0.30	-1.12e-05	0.0	-8.37e-06
2116	28	0.21	-0.93	-0.28	1.59e-04	0.0	-6.88e-06
2116	44	0.18	-1.35	-0.24	2.08e-04	0.0	-4.58e-06
2116	68	0.14	0.28	-0.22	-4.28e-06	0.0	-5.88e-06
2116	80	0.15	-0.63	-0.20	1.09e-04	0.0	-4.89e-06
2116	88	0.13	-0.91	-0.17	1.42e-04	0.0	-3.36e-06
2116	98	0.12	-0.15	-0.18	4.46e-05	0.0	-5.05e-06
2116	105	0.12	-0.29	-0.17	6.16e-05	0.0	-4.40e-06
2116	107	0.12	-0.14	-0.17	4.28e-05	0.0	-4.80e-06
2116	112	7.04	-2.68	-0.25	-5.77e-04	0.0	-4.77e-04
2116	124	-0.35	5.72	-0.27	-9.83e-04	0.0	2.51e-05
2116	129	3.98	-8.66	-0.10	1.08e-03	0.0	-2.92e-04
2116	144	7.92	-3.01	-0.25	-6.54e-04	0.0	-5.37e-04
2116	156	-0.41	6.45	-0.29	-1.11e-03	0.0	2.92e-05
2116	161	4.48	-9.74	-0.09	1.21e-03	0.0	-3.29e-04
2116	176	7.89	-3.00	-0.25	-6.31e-04	0.0	-5.33e-04
2116	188	-0.40	6.43	-0.28	-1.10e-03	0.0	2.91e-05
2116	193	4.50	-9.72	-0.09	1.20e-03	0.0	-3.30e-04
2116	208	9.24	-3.51	-0.26	-7.36e-04	0.0	-6.23e-04
2116	220	-0.49	7.53	-0.30	-1.29e-03	0.0	3.66e-05
2116	225	5.31	-11.39	-0.08	1.39e-03	0.0	-3.93e-04
2117	4	0.22	0.44	-0.32	-1.25e-05	0.0	-8.24e-06
2117	28	0.23	-1.01	-0.30	1.58e-04	0.0	-6.09e-06
2117	44	0.20	-1.45	-0.25	2.06e-04	0.0	-3.93e-06
2117	68	0.16	0.28	-0.23	-5.21e-06	0.0	-5.82e-06
2117	80	0.16	-0.68	-0.21	1.08e-04	0.0	-4.39e-06
2117	88	0.14	-0.98	-0.18	1.41e-04	0.0	-2.95e-06
2117	98	0.13	-0.17	-0.19	4.37e-05	0.0	-4.75e-06
2117	105	0.13	-0.32	-0.18	6.08e-05	0.0	-4.13e-06
2117	107	0.13	-0.16	-0.18	4.20e-05	0.0	-4.54e-06
2117	112	7.49	-2.79	-0.26	-5.54e-04	0.0	-5.06e-04
2117	124	-0.37	6.07	-0.29	-9.42e-04	0.0	2.87e-05
2117	129	4.23	-9.18	-0.10	1.03e-03	0.0	-3.11e-04
2117	144	8.42	-3.12	-0.27	-6.28e-04	0.0	-5.70e-04
2117	156	-0.44	6.86	-0.30	-1.07e-03	0.0	3.33e-05
2117	161	4.75	-10.32	-0.10	1.16e-03	0.0	-3.51e-04
2117	176	8.38	-3.11	-0.26	-6.06e-04	0.0	-5.64e-04
2117	188	-0.43	6.83	-0.30	-1.05e-03	0.0	3.39e-05
2117	193	4.78	-10.30	-0.10	1.15e-03	0.0	-3.53e-04
2117	208	9.81	-3.63	-0.28	-7.07e-04	0.0	-6.60e-04
2117	220	-0.53	8.01	-0.32	-1.23e-03	0.0	4.27e-05
2117	225	5.63	-12.06	-0.08	1.34e-03	0.0	-4.19e-04
2118	4	0.29	0.45	-0.36	5.42e-05	0.0	-8.21e-06
2118	44	0.26	-1.56	-0.28	1.86e-04	0.0	-1.34e-06
2118	52	0.29	-0.32	-0.34	1.08e-04	0.0	-6.51e-06
2118	68	0.20	0.29	-0.25	4.13e-05	0.0	-5.83e-06
2118	88	0.18	-1.05	-0.20	1.29e-04	0.0	-1.26e-06
2118	92	0.21	-0.23	-0.24	7.73e-05	0.0	-4.70e-06
2118	98	0.17	-0.19	-0.21	6.59e-05	0.0	-4.04e-06
2118	105	0.16	-0.35	-0.19	7.54e-05	0.0	-3.31e-06
2118	107	0.16	-0.18	-0.20	6.37e-05	0.0	-3.94e-06
2118	112	7.86	-2.88	-0.28	2.08e-04	0.0	-5.36e-04
2118	124	-0.39	6.42	-0.31	-5.49e-04	0.0	3.53e-05
2118	129	4.48	-9.68	-0.12	8.60e-04	0.0	-3.34e-04
2118	144	8.83	-3.23	-0.29	2.26e-04	0.0	-6.03e-04
2118	156	-0.46	7.25	-0.33	-6.26e-04	0.0	4.06e-05
2118	161	5.03	-10.88	-0.11	9.59e-04	0.0	-3.76e-04
2118	176	8.79	-3.21	-0.29	2.19e-04	0.0	-5.96e-04
2118	188	-0.45	7.22	-0.32	-6.22e-04	0.0	4.19e-05
2118	193	5.05	-10.86	-0.11	9.49e-04	0.0	-3.78e-04

2118	208	10.28	-3.75	-0.30	2.43e-04	0.0	-6.97e-04
2118	220	-0.56	8.47	-0.34	-7.37e-04	0.0	5.24e-05
2118	225	5.95	-12.71	-0.09	1.10e-03	0.0	-4.50e-04
2119	4	0.20	0.43	-0.42	-1.05e-05	0.0	-6.06e-06
2119	28	0.21	-0.93	-0.38	1.59e-04	0.0	-6.92e-06
2119	44	0.18	-1.35	-0.32	2.08e-04	0.0	-5.51e-06
2119	68	0.14	0.28	-0.30	-3.81e-06	0.0	-4.30e-06
2119	80	0.15	-0.63	-0.27	1.10e-04	0.0	-4.88e-06
2119	88	0.13	-0.91	-0.23	1.42e-04	0.0	-3.93e-06
2119	98	0.12	-0.15	-0.24	4.48e-05	0.0	-4.41e-06
2119	105	0.12	-0.29	-0.22	6.18e-05	0.0	-4.05e-06
2119	107	0.12	-0.14	-0.23	4.30e-05	0.0	-4.19e-06
2119	112	7.04	-2.92	-0.36	-6.11e-04	0.0	-4.82e-04
2119	124	-0.35	5.66	-0.41	-1.02e-03	0.0	2.57e-05
2119	129	3.98	-8.76	-0.10	1.11e-03	0.0	-2.96e-04
2119	144	7.92	-3.28	-0.38	-6.92e-04	0.0	-5.43e-04
2119	156	-0.41	6.39	-0.44	-1.15e-03	0.0	2.98e-05
2119	161	4.47	-9.85	-0.09	1.24e-03	0.0	-3.33e-04
2119	176	7.89	-3.27	-0.37	-6.67e-04	0.0	-5.38e-04
2119	188	-0.41	6.37	-0.43	-1.14e-03	0.0	3.02e-05
2119	193	4.50	-9.83	-0.09	1.23e-03	0.0	-3.36e-04
2119	208	9.23	-3.82	-0.39	-7.77e-04	0.0	-6.31e-04
2119	220	-0.49	7.47	-0.46	-1.33e-03	0.0	3.80e-05
2119	225	5.30	-11.53	-0.06	1.44e-03	0.0	-3.99e-04
2120	4	0.21	0.44	-0.44	-1.21e-05	0.0	-2.64e-06
2120	28	0.22	-1.01	-0.40	1.56e-04	0.0	-4.26e-06
2120	44	0.20	-1.46	-0.34	2.04e-04	0.0	-3.85e-06
2120	68	0.15	0.28	-0.31	-4.87e-06	0.0	-1.95e-06
2120	80	0.15	-0.69	-0.29	1.07e-04	0.0	-3.03e-06
2120	88	0.14	-0.98	-0.24	1.39e-04	0.0	-2.76e-06
2120	98	0.13	-0.17	-0.25	4.33e-05	0.0	-2.59e-06
2120	105	0.12	-0.32	-0.24	6.02e-05	0.0	-2.51e-06
2120	107	0.12	-0.17	-0.24	4.16e-05	0.0	-2.49e-06
2120	112	7.49	-3.04	-0.38	-5.89e-04	0.0	-5.15e-04
2120	124	-0.38	6.02	-0.44	-9.79e-04	0.0	3.37e-05
2120	129	4.23	-9.29	-0.11	1.07e-03	0.0	-3.20e-04
2120	144	8.43	-3.41	-0.40	-6.68e-04	0.0	-5.80e-04
2120	156	-0.44	6.80	-0.46	-1.11e-03	0.0	3.87e-05
2120	161	4.75	-10.44	-0.09	1.20e-03	0.0	-3.61e-04
2120	176	8.39	-3.39	-0.39	-6.44e-04	0.0	-5.74e-04
2120	188	-0.43	6.78	-0.46	-1.09e-03	0.0	4.01e-05
2120	193	4.77	-10.43	-0.09	1.19e-03	0.0	-3.64e-04
2120	208	9.82	-3.96	-0.42	-7.50e-04	0.0	-6.72e-04
2120	220	-0.53	7.95	-0.49	-1.28e-03	0.0	5.00e-05
2120	225	5.63	-12.22	-0.07	1.39e-03	0.0	-4.33e-04
2121	4	0.29	0.45	-0.49	5.34e-05	0.0	-8.42e-06
2121	44	0.26	-1.56	-0.38	1.87e-04	0.0	-1.15e-06
2121	52	0.29	-0.33	-0.47	1.08e-04	0.0	-6.41e-06
2121	68	0.21	0.28	-0.34	4.09e-05	0.0	-5.96e-06
2121	88	0.18	-1.05	-0.27	1.30e-04	0.0	-1.11e-06
2121	92	0.21	-0.23	-0.33	7.76e-05	0.0	-4.62e-06
2121	98	0.17	-0.19	-0.28	6.62e-05	0.0	-3.95e-06
2121	105	0.16	-0.35	-0.26	7.58e-05	0.0	-3.21e-06
2121	107	0.16	-0.19	-0.26	6.41e-05	0.0	-3.85e-06
2121	112	7.86	-3.15	-0.42	2.06e-04	0.0	-5.35e-04
2121	124	-0.39	6.38	-0.47	-5.05e-04	0.0	3.50e-05
2121	129	4.48	-9.81	-0.13	8.09e-04	0.0	-3.33e-04
2121	144	8.83	-3.53	-0.43	2.24e-04	0.0	-6.02e-04
2121	156	-0.46	7.21	-0.49	-5.77e-04	0.0	4.03e-05
2121	161	5.03	-11.03	-0.11	9.02e-04	0.0	-3.75e-04
2121	176	8.79	-3.51	-0.43	2.17e-04	0.0	-5.96e-04
2121	188	-0.45	7.18	-0.49	-5.73e-04	0.0	4.15e-05
2121	193	5.05	-11.01	-0.11	8.93e-04	0.0	-3.77e-04
2121	208	10.28	-4.10	-0.45	2.40e-04	0.0	-6.96e-04
2121	220	-0.56	8.43	-0.52	-6.80e-04	0.0	5.19e-05
2121	225	5.95	-12.89	-0.09	1.03e-03	0.0	-4.49e-04
2122	4	0.20	0.43	-0.61	-1.13e-05	0.0	-4.00e-06
2122	28	0.21	-0.94	-0.55	1.59e-04	0.0	-5.94e-06
2122	44	0.18	-1.36	-0.45	2.08e-04	0.0	-5.18e-06
2122	68	0.14	0.28	-0.42	-4.34e-06	0.0	-2.90e-06
2122	80	0.14	-0.63	-0.38	1.10e-04	0.0	-4.19e-06
2122	88	0.13	-0.91	-0.32	1.42e-04	0.0	-3.69e-06
2122	98	0.12	-0.15	-0.34	4.44e-05	0.0	-3.56e-06
2122	105	0.11	-0.30	-0.31	6.17e-05	0.0	-3.38e-06
2122	107	0.11	-0.15	-0.32	4.27e-05	0.0	-3.40e-06

2122	112	7.04	-3.17	-0.56	-6.59e-04	0.0	-4.79e-04
2122	124	-0.35	5.61	-0.65	-1.07e-03	0.0	2.61e-05
2122	129	3.98	-8.86	-0.10	1.17e-03	0.0	-2.94e-04
2122	144	7.92	-3.55	-0.59	-7.47e-04	0.0	-5.40e-04
2122	156	-0.41	6.34	-0.69	-1.21e-03	0.0	3.01e-05
2122	161	4.47	-9.97	-0.07	1.31e-03	0.0	-3.31e-04
2122	176	7.88	-3.54	-0.58	-7.20e-04	0.0	-5.36e-04
2122	188	-0.41	6.32	-0.68	-1.20e-03	0.0	3.02e-05
2122	193	4.49	-9.96	-0.07	1.30e-03	0.0	-3.34e-04
2122	208	9.23	-4.14	-0.62	-8.38e-04	0.0	-6.28e-04
2122	220	-0.49	7.42	-0.74	-1.40e-03	0.0	3.77e-05
2122	225	5.30	-11.68	-0.03	1.51e-03	0.0	-3.97e-04
2123	4	0.20	0.44	-0.65	-1.09e-05	0.0	1.75e-05
2123	28	0.20	-1.01	-0.59	1.54e-04	0.0	7.39e-06
2123	44	0.18	-1.46	-0.49	2.02e-04	0.0	2.66e-06
2123	68	0.14	0.28	-0.46	-4.07e-06	0.0	1.19e-05
2123	80	0.14	-0.69	-0.41	1.06e-04	0.0	5.19e-06
2123	88	0.13	-0.99	-0.35	1.38e-04	0.0	2.04e-06
2123	98	0.12	-0.17	-0.36	4.28e-05	0.0	6.46e-06
2123	105	0.11	-0.33	-0.34	5.96e-05	0.0	5.07e-06
2123	107	0.11	-0.17	-0.34	4.13e-05	0.0	6.07e-06
2123	112	7.50	-3.30	-0.60	-6.17e-04	0.0	-5.58e-04
2123	124	-0.38	5.99	-0.70	-1.01e-03	0.0	6.80e-05
2123	129	4.22	-9.41	-0.10	1.10e-03	0.0	-3.68e-04
2123	144	8.44	-3.70	-0.63	-6.99e-04	0.0	-6.29e-04
2123	156	-0.44	6.77	-0.74	-1.14e-03	0.0	7.64e-05
2123	161	4.75	-10.58	-0.07	1.23e-03	0.0	-4.17e-04
2123	176	8.40	-3.68	-0.62	-6.74e-04	0.0	-6.22e-04
2123	188	-0.44	6.75	-0.73	-1.13e-03	0.0	8.00e-05
2123	193	4.77	-10.57	-0.07	1.22e-03	0.0	-4.22e-04
2123	208	9.83	-4.30	-0.66	-7.84e-04	0.0	-7.30e-04
2123	220	-0.53	7.92	-0.80	-1.32e-03	0.0	9.65e-05
2123	225	5.63	-12.39	-0.03	1.42e-03	0.0	-5.05e-04
2124	4	0.29	0.44	-0.73	5.89e-05	0.0	-8.63e-06
2124	44	0.26	-1.56	-0.55	1.90e-04	0.0	-1.95e-06
2124	52	0.29	-0.33	-0.69	1.14e-04	0.0	-6.89e-06
2124	68	0.21	0.28	-0.51	4.48e-05	0.0	-6.09e-06
2124	88	0.18	-1.05	-0.39	1.32e-04	0.0	-1.64e-06
2124	92	0.21	-0.23	-0.49	8.13e-05	0.0	-4.93e-06
2124	98	0.17	-0.20	-0.40	6.90e-05	0.0	-4.18e-06
2124	105	0.16	-0.36	-0.38	7.84e-05	0.0	-3.47e-06
2124	107	0.16	-0.19	-0.38	6.68e-05	0.0	-4.05e-06
2124	112	7.86	-3.42	-0.64	-3.48e-04	0.0	-5.35e-04
2124	124	-0.39	6.35	-0.76	-6.30e-04	0.0	3.43e-05
2124	129	4.48	-9.94	-0.12	7.66e-04	0.0	-3.33e-04
2124	144	8.83	-3.84	-0.68	-4.00e-04	0.0	-6.02e-04
2124	156	-0.46	7.17	-0.81	-7.18e-04	0.0	3.95e-05
2124	161	5.03	-11.17	-0.09	8.54e-04	0.0	-3.75e-04
2124	176	8.79	-3.81	-0.66	-3.84e-04	0.0	-5.95e-04
2124	188	-0.45	7.15	-0.80	-7.07e-04	0.0	4.07e-05
2124	193	5.05	-11.16	-0.09	8.46e-04	0.0	-3.77e-04
2124	208	10.28	-4.45	-0.70	-4.53e-04	0.0	-6.96e-04
2124	220	-0.56	8.39	-0.86	-8.35e-04	0.0	5.09e-05
2124	225	5.94	-13.07	-0.04	9.77e-04	0.0	-4.48e-04
2125	4	0.20	0.43	-0.80	-1.80e-05	4.14e-05	0.0
2125	28	0.20	-0.94	-0.72	1.56e-04	4.23e-05	-2.30e-06
2125	44	0.18	-1.36	-0.59	2.07e-04	3.84e-05	-2.19e-06
2125	68	0.14	0.28	-0.56	-8.90e-06	2.95e-05	0.0
2125	80	0.14	-0.64	-0.50	1.07e-04	3.01e-05	-1.70e-06
2125	88	0.13	-0.92	-0.42	1.41e-04	2.75e-05	-1.62e-06
2125	98	0.12	-0.15	-0.44	4.17e-05	2.52e-05	-1.51e-06
2125	105	0.11	-0.30	-0.41	5.95e-05	2.44e-05	-1.48e-06
2125	107	0.11	-0.15	-0.42	4.01e-05	2.43e-05	-1.50e-06
2125	112	7.03	-3.40	-0.91	3.51e-04	7.49e-04	-4.85e-04
2125	124	-0.36	5.54	-1.03	-8.60e-04	-4.86e-05	2.83e-05
2125	129	3.97	-8.93	-0.04	1.28e-03	5.40e-04	-2.97e-04
2125	144	7.91	-3.82	-0.98	3.90e-04	8.41e-04	-5.46e-04
2125	156	-0.41	6.26	-1.10	-9.73e-04	-5.75e-05	3.24e-05
2125	161	4.47	-10.05	8.14e-03	1.43e-03	6.05e-04	-3.35e-04
2125	176	7.88	-3.81	-0.95	3.76e-04	8.30e-04	-5.42e-04
2125	188	-0.41	6.25	-1.09	-9.70e-04	-5.54e-05	3.28e-05
2125	193	4.49	-10.05	7.08e-03	1.42e-03	5.99e-04	-3.38e-04
2125	208	9.22	-4.45	-1.03	4.28e-04	9.65e-04	-6.35e-04
2125	220	-0.50	7.34	-1.19	-1.14e-03	-6.79e-05	4.06e-05
2125	225	5.30	-11.79	0.08	1.66e-03	7.01e-04	-4.02e-04

2126	4	0.16	0.46	-0.86	-1.13e-05	7.87e-05	8.46e-05
2126	28	0.17	-1.01	-0.77	1.52e-04	7.53e-05	6.17e-05
2126	44	0.16	-1.46	-0.63	2.00e-04	6.43e-05	4.34e-05
2126	68	0.11	0.29	-0.60	-4.36e-06	5.52e-05	5.82e-05
2126	80	0.12	-0.69	-0.54	1.05e-04	5.29e-05	4.29e-05
2126	88	0.11	-0.99	-0.45	1.37e-04	4.55e-05	3.07e-05
2126	98	0.10	-0.17	-0.47	4.20e-05	4.49e-05	4.07e-05
2126	105	0.10	-0.32	-0.44	5.88e-05	4.23e-05	3.58e-05
2126	107	0.09	-0.16	-0.45	4.05e-05	4.27e-05	3.82e-05
2126	112	7.50	-3.58	-0.95	-6.47e-04	8.32e-04	-5.68e-04
2126	124	-0.39	6.03	-1.07	-1.04e-03	5.64e-04	1.14e-04
2126	129	4.20	-9.63	-0.05	1.13e-03	-1.02e-04	-3.73e-04
2126	144	8.44	-4.02	-1.01	-7.33e-04	9.32e-04	-6.45e-04
2126	156	-0.45	6.81	-1.15	-1.18e-03	6.29e-04	1.24e-04
2126	161	4.73	-10.84	2.82e-03	1.27e-03	-1.20e-04	-4.26e-04
2126	176	8.40	-4.00	-0.99	-7.06e-04	9.18e-04	-6.39e-04
2126	188	-0.45	6.80	-1.14	-1.16e-03	6.19e-04	1.29e-04
2126	193	4.75	-10.83	2.09e-03	1.26e-03	-1.15e-04	-4.34e-04
2126	208	9.84	-4.68	-1.07	-8.20e-04	1.06e-03	-7.55e-04
2126	220	-0.54	7.98	-1.25	-1.36e-03	7.13e-04	1.48e-04
2126	225	5.61	-12.70	0.08	1.46e-03	-1.35e-04	-5.25e-04
2127	4	0.29	0.44	-0.95	8.93e-05	3.20e-04	-3.42e-06
2127	44	0.26	-1.56	-0.70	1.99e-04	2.31e-04	-1.85e-06
2127	52	0.29	-0.33	-0.90	1.36e-04	3.04e-04	-3.73e-06
2127	68	0.21	0.28	-0.66	6.56e-05	2.21e-04	-2.39e-06
2127	88	0.18	-1.05	-0.50	1.39e-04	1.62e-04	-1.35e-06
2127	92	0.21	-0.24	-0.63	9.68e-05	2.11e-04	-2.61e-06
2127	98	0.17	-0.20	-0.52	8.03e-05	1.72e-04	-2.13e-06
2127	105	0.16	-0.36	-0.48	8.75e-05	1.58e-04	-1.83e-06
2127	107	0.16	-0.19	-0.49	7.76e-05	1.62e-04	-2.01e-06
2127	112	7.86	-3.69	-1.00	-2.50e-04	6.14e-04	-5.45e-04
2127	124	-0.39	6.31	-1.14	-4.87e-04	6.04e-04	4.14e-05
2127	129	4.48	-10.06	-0.08	5.07e-04	-6.35e-05	-3.44e-04
2127	144	8.83	-4.14	-1.06	-2.90e-04	6.71e-04	-6.13e-04
2127	156	-0.46	7.13	-1.22	-5.58e-04	6.59e-04	4.74e-05
2127	161	5.03	-11.32	-0.03	5.61e-04	-9.16e-05	-3.89e-04
2127	176	8.79	-4.11	-1.04	-2.70e-04	6.55e-04	-6.06e-04
2127	188	-0.45	7.11	-1.20	-5.47e-04	6.48e-04	4.93e-05
2127	193	5.05	-11.31	-0.03	5.59e-04	-8.94e-05	-3.91e-04
2127	208	10.27	-4.80	-1.12	-3.20e-04	7.33e-04	-7.08e-04
2127	220	-0.56	8.35	-1.31	-6.48e-04	7.26e-04	6.11e-05
2127	225	5.94	-13.25	0.05	6.39e-04	-1.28e-04	-4.66e-04
2128	4	0.24	0.52	-0.86	1.63e-06	0.0	-4.31e-05
2128	44	0.21	-1.34	-0.69	1.96e-04	0.0	-6.33e-06
2128	52	0.24	-0.19	-0.84	7.60e-05	0.0	-2.87e-05
2128	68	0.17	0.34	-0.60	4.05e-06	0.0	-2.97e-05
2128	88	0.15	-0.90	-0.49	1.33e-04	0.0	-5.18e-06
2128	92	0.17	-0.13	-0.59	5.37e-05	0.0	-2.01e-05
2128	98	0.14	-0.11	-0.48	4.49e-05	0.0	-1.65e-05
2128	105	0.13	-0.26	-0.46	6.00e-05	0.0	-1.32e-05
2128	107	0.13	-0.11	-0.46	4.29e-05	0.0	-1.57e-05
2128	112	7.08	-0.28	-0.59	-3.52e-04	0.0	-5.28e-04
2128	124	-0.35	6.13	-0.68	-8.30e-04	0.0	5.21e-05
2128	129	4.02	-7.61	-0.29	9.19e-04	0.0	-3.63e-04
2128	144	7.96	-0.30	-0.61	-4.01e-04	0.0	-5.92e-04
2128	156	-0.41	6.92	-0.70	-9.40e-04	0.0	6.12e-05
2128	161	4.52	-8.55	-0.27	1.03e-03	0.0	-4.08e-04
2128	176	7.93	-0.31	-0.60	-3.88e-04	0.0	-5.84e-04
2128	188	-0.40	6.84	-0.70	-9.26e-04	0.0	6.40e-05
2128	193	4.54	-8.48	-0.27	1.02e-03	0.0	-4.10e-04
2128	208	9.28	-0.37	-0.63	-4.55e-04	0.0	-6.80e-04
2128	220	-0.49	7.99	-0.74	-1.08e-03	0.0	8.09e-05
2128	225	5.35	-9.90	-0.24	1.18e-03	0.0	-4.85e-04
2129	4	0.27	0.52	-0.86	-1.93e-06	0.0	-2.71e-05
2129	44	0.24	-1.24	-0.69	1.94e-04	0.0	6.92e-06
2129	68	0.19	0.34	-0.60	1.60e-06	0.0	-1.86e-05
2129	88	0.17	-0.83	-0.49	1.32e-04	0.0	4.08e-06
2129	98	0.16	-0.09	-0.48	4.32e-05	0.0	-7.14e-06
2129	105	0.15	-0.23	-0.45	5.86e-05	0.0	-4.53e-06
2129	107	0.15	-0.09	-0.46	4.13e-05	0.0	-6.88e-06
2129	112	6.75	-0.28	-0.59	-3.59e-04	0.0	-4.19e-04
2129	124	-0.30	5.77	-0.68	-8.44e-04	0.0	1.19e-04
2129	129	3.85	-7.15	-0.29	9.30e-04	0.0	-4.16e-04
2129	144	7.59	-0.31	-0.60	-4.09e-04	0.0	-4.72e-04
2129	156	-0.36	6.50	-0.70	-9.54e-04	0.0	1.35e-04

2129	161	4.32	-8.03	-0.27	1.04e-03	0.0	-4.68e-04
2129	176	7.56	-0.32	-0.60	-3.96e-04	0.0	-4.66e-04
2129	188	-0.35	6.43	-0.70	-9.41e-04	0.0	1.39e-04
2129	193	4.34	-7.97	-0.27	1.03e-03	0.0	-4.71e-04
2129	208	8.85	-0.38	-0.62	-4.65e-04	0.0	-5.42e-04
2129	220	-0.44	7.51	-0.74	-1.10e-03	0.0	1.67e-04
2129	225	5.12	-9.30	-0.24	1.19e-03	0.0	-5.58e-04
2130	4	0.21	0.52	-0.87	1.43e-05	0.0	-5.14e-05
2130	28	0.22	-0.97	-0.82	1.62e-04	0.0	-3.06e-05
2130	44	0.19	-1.44	-0.70	2.02e-04	0.0	-1.85e-05
2130	68	0.15	0.34	-0.60	1.27e-05	0.0	-3.55e-05
2130	80	0.15	-0.65	-0.58	1.11e-04	0.0	-2.17e-05
2130	88	0.14	-0.97	-0.49	1.38e-04	0.0	-1.36e-05
2130	98	0.13	-0.13	-0.49	5.09e-05	0.0	-2.31e-05
2130	105	0.12	-0.29	-0.46	6.53e-05	0.0	-1.97e-05
2130	107	0.12	-0.13	-0.46	4.86e-05	0.0	-2.19e-05
2130	112	7.52	-0.27	-0.59	-3.31e-04	0.0	-5.36e-04
2130	124	-0.39	6.49	-0.68	-7.95e-04	0.0	1.66e-05
2130	129	4.26	-8.06	-0.30	8.95e-04	0.0	-3.39e-04
2130	144	8.46	-0.30	-0.61	-3.78e-04	0.0	-6.02e-04
2130	156	-0.46	7.32	-0.70	-9.00e-04	0.0	2.18e-05
2130	161	4.79	-9.06	-0.28	1.00e-03	0.0	-3.80e-04
2130	176	8.42	-0.31	-0.61	-3.66e-04	0.0	-5.94e-04
2130	188	-0.45	7.24	-0.70	-8.87e-04	0.0	2.28e-05
2130	193	4.81	-8.98	-0.28	9.89e-04	0.0	-3.81e-04
2130	208	9.85	-0.36	-0.63	-4.30e-04	0.0	-6.91e-04
2130	220	-0.55	8.46	-0.74	-1.04e-03	0.0	3.29e-05
2130	225	5.67	-10.48	-0.25	1.15e-03	0.0	-4.49e-04
2131	4	0.29	0.50	-0.86	2.57e-05	0.0	-1.45e-05
2131	44	0.25	-1.54	-0.70	2.08e-04	0.0	-5.52e-06
2131	52	0.29	-0.28	-0.84	9.67e-05	0.0	-1.25e-05
2131	68	0.20	0.32	-0.60	2.06e-05	0.0	-1.02e-05
2131	88	0.18	-1.04	-0.49	1.42e-04	0.0	-4.20e-06
2131	92	0.20	-0.20	-0.59	6.79e-05	0.0	-8.85e-06
2131	98	0.17	-0.16	-0.49	5.64e-05	0.0	-7.38e-06
2131	105	0.16	-0.33	-0.46	7.01e-05	0.0	-6.34e-06
2131	107	0.16	-0.16	-0.46	5.37e-05	0.0	-7.09e-06
2131	112	7.85	-0.27	-0.59	-3.14e-04	0.0	-5.39e-04
2131	124	-0.39	6.82	-0.67	-7.66e-04	0.0	3.40e-05
2131	129	4.47	-8.49	-0.30	8.77e-04	0.0	-3.39e-04
2131	144	8.82	-0.29	-0.61	-3.60e-04	0.0	-6.07e-04
2131	156	-0.46	7.69	-0.70	-8.69e-04	0.0	3.96e-05
2131	161	5.03	-9.54	-0.28	9.79e-04	0.0	-3.82e-04
2131	176	8.78	-0.30	-0.60	-3.48e-04	0.0	-6.00e-04
2131	188	-0.46	7.61	-0.70	-8.56e-04	0.0	4.12e-05
2131	193	5.04	-9.46	-0.28	9.68e-04	0.0	-3.84e-04
2131	208	10.27	-0.35	-0.63	-4.10e-04	0.0	-7.01e-04
2131	220	-0.56	8.89	-0.73	-1.00e-03	0.0	5.23e-05
2131	225	5.94	-11.02	-0.25	1.12e-03	0.0	-4.56e-04
2132	4	0.24	0.50	-0.60	1.42e-06	0.0	-4.17e-05
2132	28	0.24	-0.90	-0.57	1.58e-04	0.0	-1.68e-05
2132	44	0.21	-1.34	-0.49	2.02e-04	0.0	-6.06e-06
2132	68	0.17	0.33	-0.42	4.00e-06	0.0	-2.88e-05
2132	80	0.17	-0.61	-0.40	1.09e-04	0.0	-1.22e-05
2132	88	0.15	-0.90	-0.35	1.37e-04	0.0	-4.97e-06
2132	98	0.14	-0.12	-0.34	4.68e-05	0.0	-1.60e-05
2132	105	0.13	-0.27	-0.33	6.22e-05	0.0	-1.28e-05
2132	107	0.13	-0.11	-0.33	4.47e-05	0.0	-1.52e-05
2132	112	7.08	-0.48	-0.29	-3.38e-04	0.0	-5.28e-04
2132	129	4.02	-7.73	-0.22	8.73e-04	0.0	-3.65e-04
2132	134	0.66	6.86	-0.46	-5.85e-04	0.0	-5.04e-05
2132	144	7.96	-0.53	-0.28	-3.85e-04	0.0	-5.93e-04
2132	161	4.51	-8.69	-0.21	9.76e-04	0.0	-4.10e-04
2132	166	0.73	7.72	-0.48	-6.63e-04	0.0	-5.52e-05
2132	176	7.93	-0.54	-0.28	-3.73e-04	0.0	-5.85e-04
2132	193	4.54	-8.63	-0.21	9.65e-04	0.0	-4.12e-04
2132	198	0.72	7.57	-0.48	-6.50e-04	0.0	-5.57e-05
2132	208	9.28	-0.64	-0.27	-4.38e-04	0.0	-6.81e-04
2132	225	5.35	-10.07	-0.19	1.12e-03	0.0	-4.88e-04
2132	230	0.82	8.80	-0.50	-7.61e-04	0.0	-6.49e-05
2133	4	0.28	0.50	-0.60	0.0	0.0	-3.77e-05
2133	44	0.24	-1.24	-0.49	2.01e-04	0.0	1.94e-06
2133	68	0.19	0.33	-0.42	3.62e-06	0.0	-2.59e-05
2133	88	0.17	-0.83	-0.35	1.37e-04	0.0	0.0
2133	98	0.16	-0.10	-0.34	4.65e-05	0.0	-1.21e-05

2133	105	0.15	-0.24	-0.32	6.20e-05	0.0	-8.83e-06
2133	107	0.15	-0.09	-0.33	4.44e-05	0.0	-1.15e-05
2133	112	6.75	-0.48	-0.29	-3.41e-04	0.0	-4.13e-04
2133	129	3.84	-7.30	-0.22	8.78e-04	0.0	-3.77e-04
2133	134	0.64	6.51	-0.46	-5.89e-04	0.0	2.93e-04
2133	144	7.58	-0.53	-0.28	-3.89e-04	0.0	-4.64e-04
2133	161	4.32	-8.20	-0.21	9.83e-04	0.0	-4.24e-04
2133	166	0.70	7.33	-0.47	-6.67e-04	0.0	3.32e-04
2133	176	7.56	-0.54	-0.28	-3.77e-04	0.0	-4.58e-04
2133	193	4.34	-8.15	-0.21	9.72e-04	0.0	-4.27e-04
2133	198	0.70	7.19	-0.47	-6.54e-04	0.0	3.26e-04
2133	208	8.84	-0.64	-0.28	-4.43e-04	0.0	-5.32e-04
2133	225	5.12	-9.51	-0.19	1.13e-03	0.0	-5.06e-04
2133	230	0.79	8.36	-0.49	-7.66e-04	0.0	3.85e-04
2134	4	0.22	0.50	-0.60	2.87e-06	0.0	-3.89e-05
2134	28	0.23	-0.98	-0.57	1.59e-04	0.0	-2.13e-05
2134	44	0.20	-1.44	-0.49	2.02e-04	0.0	-1.18e-05
2134	68	0.16	0.32	-0.42	4.99e-06	0.0	-2.69e-05
2134	80	0.16	-0.66	-0.40	1.09e-04	0.0	-1.51e-05
2134	88	0.14	-0.97	-0.35	1.38e-04	0.0	-8.86e-06
2134	98	0.13	-0.14	-0.35	4.74e-05	0.0	-1.70e-05
2134	105	0.13	-0.30	-0.33	6.28e-05	0.0	-1.43e-05
2134	107	0.13	-0.14	-0.33	4.53e-05	0.0	-1.62e-05
2134	112	7.51	-0.49	-0.29	-3.29e-04	0.0	-5.36e-04
2134	129	4.26	-8.16	-0.22	8.57e-04	0.0	-3.46e-04
2134	134	0.70	7.20	-0.46	-5.74e-04	0.0	-6.23e-05
2134	144	8.45	-0.54	-0.28	-3.75e-04	0.0	-6.02e-04
2134	161	4.78	-9.17	-0.21	9.59e-04	0.0	-3.88e-04
2134	166	0.77	8.11	-0.48	-6.50e-04	0.0	-6.86e-05
2134	176	8.41	-0.54	-0.28	-3.63e-04	0.0	-5.95e-04
2134	193	4.80	-9.11	-0.21	9.48e-04	0.0	-3.90e-04
2134	198	0.77	7.95	-0.48	-6.38e-04	0.0	-7.10e-05
2134	208	9.84	-0.63	-0.27	-4.27e-04	0.0	-6.93e-04
2134	225	5.66	-10.62	-0.19	1.10e-03	0.0	-4.62e-04
2134	230	0.88	9.24	-0.50	-7.47e-04	0.0	-8.36e-05
2135	4	0.29	0.50	-0.60	3.50e-06	0.0	-1.46e-05
2135	44	0.25	-1.54	-0.49	2.03e-04	0.0	-5.52e-06
2135	52	0.29	-0.28	-0.59	8.13e-05	0.0	-1.26e-05
2135	68	0.20	0.32	-0.42	5.42e-06	0.0	-1.03e-05
2135	88	0.18	-1.04	-0.35	1.38e-04	0.0	-4.21e-06
2135	92	0.20	-0.20	-0.41	5.73e-05	0.0	-8.95e-06
2135	98	0.17	-0.17	-0.35	4.77e-05	0.0	-7.46e-06
2135	105	0.16	-0.33	-0.33	6.31e-05	0.0	-6.40e-06
2135	107	0.16	-0.16	-0.33	4.56e-05	0.0	-7.17e-06
2135	112	7.85	-0.49	-0.29	-3.23e-04	0.0	-5.39e-04
2135	129	4.47	-8.58	-0.22	8.49e-04	0.0	-3.37e-04
2135	134	0.75	7.53	-0.46	-5.68e-04	0.0	-5.87e-05
2135	144	8.82	-0.54	-0.28	-3.69e-04	0.0	-6.06e-04
2135	161	5.03	-9.64	-0.21	9.49e-04	0.0	-3.80e-04
2135	166	0.83	8.48	-0.48	-6.44e-04	0.0	-6.58e-05
2135	176	8.78	-0.54	-0.28	-3.57e-04	0.0	-5.99e-04
2135	193	5.04	-9.57	-0.21	9.38e-04	0.0	-3.82e-04
2135	198	0.82	8.31	-0.48	-6.31e-04	0.0	-6.91e-05
2135	208	10.27	-0.63	-0.27	-4.20e-04	0.0	-7.00e-04
2135	225	5.94	-11.16	-0.19	1.09e-03	0.0	-4.54e-04
2135	230	0.94	9.67	-0.50	-7.40e-04	0.0	-8.32e-05
2136	28	-0.03	-0.45	-0.54	-1.51e-04	1.36e-04	0.0
2136	35	-0.03	-0.45	-0.51	-1.46e-04	1.30e-04	0.0
2136	44	-0.03	-0.75	-0.50	-1.40e-04	1.25e-04	0.0
2136	80	-0.02	-0.30	-0.38	-1.07e-04	9.68e-05	0.0
2136	83	-0.02	-0.30	-0.36	-1.03e-04	9.28e-05	0.0
2136	88	-0.02	-0.50	-0.36	-9.97e-05	8.92e-05	0.0
2136	98	-0.02	-9.92e-04	-0.31	-8.63e-05	8.07e-05	0.0
2136	101	-0.02	-8.01e-04	-0.30	-8.55e-05	7.97e-05	0.0
2136	105	-0.02	-0.10	-0.30	-8.43e-05	7.84e-05	0.0
2136	107	-0.02	-7.71e-04	-0.29	-8.30e-05	7.77e-05	0.0
2136	115	-5.84	-5.11	-0.58	-1.23e-04	-7.02e-04	4.72e-04
2136	135	-3.45	-5.62	-0.60	-1.29e-04	1.74e-04	2.79e-04
2136	139	-3.30	-5.65	-0.60	-1.29e-04	2.24e-04	2.82e-04
2136	147	-6.58	-5.75	-0.62	-1.28e-04	-8.01e-04	5.32e-04
2136	167	-3.89	-6.33	-0.64	-1.35e-04	1.86e-04	3.15e-04
2136	171	-3.73	-6.37	-0.64	-1.35e-04	2.42e-04	3.20e-04
2136	179	-6.62	-5.73	-0.62	-1.28e-04	-7.95e-04	5.33e-04
2136	203	-3.81	-6.39	-0.64	-1.35e-04	2.34e-04	3.28e-04
2136	211	-7.80	-6.72	-0.68	-1.36e-04	-9.46e-04	6.28e-04

2136	235	-4.55	-7.54	-0.71	-1.45e-04	2.53e-04	3.93e-04
2137	28	0.06	-0.51	-0.69	1.22e-04	1.31e-04	0.0
2137	44	0.05	-0.84	-0.65	1.80e-04	1.19e-04	0.0
2137	80	0.04	-0.34	-0.49	8.22e-05	9.31e-05	0.0
2137	88	0.03	-0.56	-0.46	1.21e-04	8.55e-05	0.0
2137	98	0.03	-6.53e-03	-0.39	1.58e-05	7.81e-05	1.53e-06
2137	105	0.03	-0.12	-0.38	3.56e-05	7.57e-05	1.17e-06
2137	107	0.03	-5.95e-03	-0.37	1.49e-05	7.52e-05	1.53e-06
2137	112	6.35	5.52	0.01	2.44e-04	8.51e-04	-4.07e-04
2137	135	-3.71	-6.24	-0.78	8.92e-04	1.63e-04	2.47e-04
2137	139	-3.53	-6.28	-0.78	1.22e-03	2.12e-04	2.53e-04
2137	144	7.15	6.22	0.06	2.73e-04	9.49e-04	-4.59e-04
2137	167	-4.19	-7.03	-0.83	1.00e-03	1.74e-04	2.79e-04
2137	171	-4.00	-7.08	-0.83	1.37e-03	2.28e-04	2.86e-04
2137	176	7.19	6.19	0.06	2.53e-04	9.44e-04	-4.57e-04
2137	203	-4.08	-7.10	-0.83	1.36e-03	2.21e-04	2.90e-04
2137	208	8.46	7.25	0.14	2.85e-04	1.09e-03	-5.37e-04
2137	235	-4.88	-8.36	-0.91	1.59e-03	2.38e-04	3.47e-04
2138	28	0.05	-0.52	-1.14	1.22e-04	0.0	-7.22e-06
2138	44	0.05	-0.85	-1.06	1.78e-04	0.0	-9.37e-06
2138	52	0.05	-0.02	-1.08	3.16e-05	0.0	-3.34e-06
2138	80	0.04	-0.34	-0.81	8.24e-05	0.0	-4.92e-06
2138	88	0.03	-0.57	-0.75	1.20e-04	0.0	-6.35e-06
2138	92	0.04	-0.01	-0.77	2.18e-05	0.0	-2.33e-06
2138	98	0.03	-8.31e-03	-0.65	1.73e-05	0.0	-1.89e-06
2138	105	0.03	-0.12	-0.64	3.64e-05	0.0	-2.66e-06
2138	107	0.03	-7.64e-03	-0.63	1.63e-05	0.0	-1.80e-06
2138	112	6.35	5.33	-0.20	2.24e-04	0.0	-2.95e-04
2138	139	-3.53	-6.22	-1.21	1.23e-03	0.0	-2.55e-05
2138	144	7.15	6.01	-0.14	2.51e-04	0.0	-3.32e-04
2138	171	-4.00	-7.01	-1.29	1.38e-03	0.0	-2.81e-05
2138	176	7.19	5.98	-0.15	2.32e-04	0.0	-3.30e-04
2138	203	-4.09	-7.03	-1.28	1.37e-03	0.0	-2.38e-05
2138	208	8.46	7.00	-0.07	2.60e-04	0.0	-3.87e-04
2138	235	-4.89	-8.27	-1.40	1.60e-03	0.0	-2.43e-05
2139	28	-0.03	-0.45	-1.12	1.19e-04	0.0	-5.65e-06
2139	35	-0.03	-0.45	-1.06	1.17e-04	0.0	-5.75e-06
2139	44	-0.03	-0.76	-1.04	1.76e-04	0.0	-1.02e-05
2139	80	-0.02	-0.30	-0.79	8.02e-05	0.0	-3.76e-06
2139	83	-0.02	-0.30	-0.76	7.88e-05	0.0	-3.83e-06
2139	88	-0.02	-0.50	-0.74	1.18e-04	0.0	-6.82e-06
2139	98	-0.02	-6.63e-04	-0.64	1.54e-05	0.0	0.0
2139	101	-0.02	-4.85e-04	-0.63	1.50e-05	0.0	0.0
2139	105	-0.02	-0.10	-0.63	3.47e-05	0.0	-1.02e-06
2139	106	-0.02	6.95e-04	-0.47	8.77e-06	0.0	0.0
2139	107	-0.02	-4.69e-04	-0.62	1.44e-05	0.0	0.0
2139	115	-5.84	-4.93	-1.07	-1.93e-04	0.0	2.83e-04
2139	139	-3.30	-5.59	-1.22	1.23e-03	0.0	-1.99e-05
2139	147	-6.58	-5.55	-1.13	-2.19e-04	0.0	3.18e-04
2139	171	-3.73	-6.30	-1.30	1.38e-03	0.0	-2.23e-05
2139	179	-6.62	-5.53	-1.12	-1.99e-04	0.0	3.17e-04
2139	203	-3.81	-6.32	-1.30	1.37e-03	0.0	-1.89e-05
2139	211	-7.80	-6.49	-1.21	-2.27e-04	0.0	3.72e-04
2139	235	-4.55	-7.45	-1.42	1.60e-03	0.0	-1.96e-05
2140	28	0.11	-0.58	-0.78	1.29e-04	1.09e-04	0.0
2140	44	0.10	-0.94	-0.73	1.85e-04	9.81e-05	-1.05e-06
2140	80	0.08	-0.39	-0.55	8.67e-05	7.75e-05	0.0
2140	88	0.07	-0.63	-0.52	1.24e-04	7.02e-05	0.0
2140	98	0.07	-0.02	-0.44	2.04e-05	6.55e-05	0.0
2140	105	0.07	-0.14	-0.43	3.97e-05	6.31e-05	0.0
2140	107	0.07	-0.02	-0.42	1.93e-05	6.29e-05	0.0
2140	112	6.89	5.93	0.03	2.49e-04	1.04e-03	-3.41e-04
2140	135	-3.99	-6.86	-0.90	8.89e-04	-5.40e-04	-2.90e-05
2140	139	-3.78	-6.91	-0.90	1.22e-03	-4.92e-04	-2.22e-05
2140	144	7.76	6.69	0.09	2.78e-04	1.17e-03	-3.84e-04
2140	167	-4.51	-7.73	-0.96	9.98e-04	-6.16e-04	-3.30e-05
2140	171	-4.28	-7.78	-0.96	1.37e-03	-5.63e-04	-2.48e-05
2140	176	7.79	6.64	0.09	2.60e-04	1.16e-03	-3.82e-04
2140	203	-4.37	-7.80	-0.96	1.36e-03	-5.65e-04	-2.05e-05
2140	208	9.17	7.78	0.17	2.93e-04	1.35e-03	-4.48e-04
2140	235	-5.23	-9.18	-1.06	1.59e-03	-6.80e-04	-2.07e-05
2141	28	0.11	-0.58	-1.14	1.28e-04	0.0	-7.61e-06
2141	44	0.10	-0.94	-1.07	1.83e-04	0.0	-8.21e-06
2141	80	0.08	-0.39	-0.81	8.61e-05	0.0	-5.21e-06
2141	88	0.07	-0.63	-0.76	1.23e-04	0.0	-5.61e-06

2141	98	0.07	-0.02	-0.66	2.07e-05	0.0	-3.05e-06
2141	105	0.06	-0.14	-0.64	3.96e-05	0.0	-3.34e-06
2141	107	0.06	-0.02	-0.63	1.96e-05	0.0	-2.87e-06
2141	112	6.89	5.74	-0.21	2.30e-04	0.0	-3.06e-04
2141	139	-3.78	-6.86	-1.21	1.22e-03	0.0	-3.29e-05
2141	144	7.76	6.47	-0.16	2.56e-04	0.0	-3.44e-04
2141	171	-4.28	-7.73	-1.28	1.37e-03	0.0	-3.63e-05
2141	176	7.79	6.43	-0.16	2.38e-04	0.0	-3.43e-04
2141	203	-4.37	-7.74	-1.28	1.36e-03	0.0	-3.08e-05
2141	208	9.17	7.53	-0.08	2.68e-04	0.0	-4.02e-04
2141	235	-5.23	-9.10	-1.39	1.59e-03	0.0	-3.16e-05
2142	28	0.17	-0.65	-0.85	1.32e-04	9.47e-05	-1.29e-06
2142	44	0.15	-1.04	-0.79	1.87e-04	8.40e-05	0.0
2142	80	0.12	-0.43	-0.60	8.94e-05	6.70e-05	0.0
2142	88	0.11	-0.69	-0.56	1.26e-04	5.99e-05	0.0
2142	98	0.10	-0.03	-0.48	2.37e-05	5.65e-05	0.0
2142	105	0.10	-0.16	-0.47	4.24e-05	5.41e-05	0.0
2142	107	0.10	-0.03	-0.46	2.24e-05	5.42e-05	0.0
2142	112	7.42	6.35	0.04	2.52e-04	9.95e-04	-3.47e-04
2142	135	-4.26	-7.49	-0.99	8.90e-04	-5.21e-04	-3.17e-05
2142	139	-4.03	-7.54	-0.99	1.22e-03	-4.75e-04	-2.37e-05
2142	144	8.35	7.16	0.10	2.81e-04	1.11e-03	-3.91e-04
2142	167	-4.82	-8.43	-1.05	9.99e-04	-5.94e-04	-3.60e-05
2142	171	-4.57	-8.49	-1.05	1.37e-03	-5.43e-04	-2.65e-05
2142	176	8.38	7.10	0.10	2.62e-04	1.11e-03	-3.89e-04
2142	203	-4.66	-8.50	-1.06	1.36e-03	-5.45e-04	-2.15e-05
2142	208	9.86	8.32	0.20	2.95e-04	1.29e-03	-4.55e-04
2142	235	-5.58	-10.00	-1.17	1.59e-03	-6.55e-04	-2.17e-05
2143	28	0.17	-0.65	-1.15	1.33e-04	0.0	-7.99e-06
2143	44	0.15	-1.04	-1.07	1.86e-04	0.0	-7.53e-06
2143	80	0.12	-0.43	-0.81	8.98e-05	0.0	-5.49e-06
2143	88	0.11	-0.69	-0.76	1.26e-04	0.0	-5.18e-06
2143	98	0.10	-0.03	-0.66	2.45e-05	0.0	-3.91e-06
2143	105	0.10	-0.16	-0.65	4.30e-05	0.0	-3.87e-06
2143	107	0.10	-0.03	-0.63	2.32e-05	0.0	-3.67e-06
2143	112	7.42	6.15	-0.21	-8.03e-04	0.0	-3.20e-04
2143	139	-4.03	-7.49	-1.21	1.21e-03	0.0	-3.61e-05
2143	144	8.35	6.93	-0.16	-9.06e-04	0.0	-3.60e-04
2143	171	-4.57	-8.43	-1.28	1.36e-03	0.0	-3.98e-05
2143	176	8.38	6.88	-0.17	-8.84e-04	0.0	-3.58e-04
2143	203	-4.66	-8.44	-1.28	1.35e-03	0.0	-3.37e-05
2143	208	9.86	8.05	-0.09	-1.03e-03	0.0	-4.19e-04
2143	235	-5.58	-9.92	-1.39	1.57e-03	0.0	-3.44e-05
2144	28	0.21	-0.72	-0.90	1.35e-04	8.23e-05	-2.03e-06
2144	44	0.19	-1.13	-0.85	1.87e-04	7.13e-05	-1.30e-06
2144	80	0.15	-0.48	-0.64	9.11e-05	5.76e-05	-1.04e-06
2144	88	0.14	-0.76	-0.60	1.26e-04	5.03e-05	0.0
2144	98	0.13	-0.04	-0.51	2.62e-05	4.78e-05	0.0
2144	105	0.12	-0.18	-0.50	4.44e-05	4.53e-05	0.0
2144	107	0.12	-0.04	-0.49	2.48e-05	4.54e-05	0.0
2144	112	7.92	6.76	0.04	2.54e-04	9.10e-04	-3.58e-04
2144	135	-4.52	-8.12	-1.06	8.91e-04	-4.81e-04	-3.25e-05
2144	139	-4.27	-8.17	-1.06	1.22e-03	-4.39e-04	-2.38e-05
2144	144	8.91	7.63	0.11	2.82e-04	1.02e-03	-4.04e-04
2144	167	-5.12	-9.14	-1.13	1.00e-03	-5.47e-04	-3.68e-05
2144	171	-4.84	-9.20	-1.13	1.37e-03	-5.01e-04	-2.65e-05
2144	176	8.94	7.56	0.11	2.64e-04	1.01e-03	-4.00e-04
2144	203	-4.94	-9.21	-1.13	1.36e-03	-5.03e-04	-2.16e-05
2144	208	10.51	8.85	0.21	2.97e-04	1.18e-03	-4.67e-04
2144	235	-5.91	-10.83	-1.25	1.59e-03	-6.04e-04	-2.17e-05
2145	28	0.21	-0.72	-1.15	1.38e-04	0.0	-9.83e-06
2145	44	0.19	-1.14	-1.08	1.90e-04	0.0	-8.60e-06
2145	80	0.15	-0.48	-0.82	9.38e-05	0.0	-6.82e-06
2145	88	0.13	-0.76	-0.77	1.28e-04	0.0	-6.00e-06
2145	98	0.13	-0.04	-0.66	2.89e-05	0.0	-5.45e-06
2145	105	0.12	-0.18	-0.65	4.69e-05	0.0	-5.19e-06
2145	107	0.12	-0.04	-0.64	2.74e-05	0.0	-5.14e-06
2145	112	7.92	6.55	-0.22	-7.85e-04	0.0	-3.41e-04
2145	139	-4.27	-8.11	-1.21	1.19e-03	0.0	-3.44e-05
2145	144	8.91	7.39	-0.17	-8.87e-04	0.0	-3.84e-04
2145	171	-4.84	-9.14	-1.29	1.34e-03	0.0	-3.77e-05
2145	176	8.94	7.32	-0.17	-8.65e-04	0.0	-3.81e-04
2145	203	-4.94	-9.14	-1.28	1.33e-03	0.0	-3.18e-05
2145	208	10.51	8.57	-0.09	-1.01e-03	0.0	-4.45e-04
2145	235	-5.91	-10.74	-1.39	1.55e-03	0.0	-3.21e-05

2146	28	0.05	-0.52	-1.37	1.25e-04	0.0	-8.29e-06
2146	44	0.05	-0.85	-1.28	1.79e-04	0.0	-1.09e-05
2146	52	0.05	-0.02	-1.31	3.65e-05	0.0	-3.79e-06
2146	80	0.04	-0.35	-0.98	8.44e-05	0.0	-5.70e-06
2146	88	0.03	-0.57	-0.91	1.20e-04	0.0	-7.44e-06
2146	92	0.04	-0.01	-0.94	2.52e-05	0.0	-2.70e-06
2146	98	0.03	-9.75e-03	-0.80	2.01e-05	0.0	-2.30e-06
2146	105	0.03	-0.12	-0.79	3.86e-05	0.0	-3.21e-06
2146	107	0.03	-9.02e-03	-0.77	1.89e-05	0.0	-2.21e-06
2146	112	6.35	5.16	-0.85	2.11e-04	0.0	-2.88e-04
2146	139	-3.53	-6.17	-1.36	1.25e-03	0.0	-2.70e-05
2146	144	7.15	5.81	-0.85	2.35e-04	0.0	-3.24e-04
2146	171	-4.00	-6.96	-1.44	1.40e-03	0.0	-2.99e-05
2146	176	7.19	5.78	-0.84	2.17e-04	0.0	-3.23e-04
2146	203	-4.09	-6.97	-1.43	1.39e-03	0.0	-2.54e-05
2146	208	8.46	6.77	-0.85	2.44e-04	0.0	-3.78e-04
2146	235	-4.89	-8.20	-1.54	1.62e-03	0.0	-2.61e-05
2147	11	-0.02	0.45	-1.19	-5.32e-05	0.0	7.57e-06
2147	28	-0.02	-0.46	-1.37	1.23e-04	0.0	-5.21e-06
2147	47	-0.02	-0.76	-0.97	1.70e-04	0.0	-9.84e-06
2147	71	-0.02	0.30	-0.86	-3.46e-05	0.0	5.06e-06
2147	80	-0.02	-0.30	-0.97	8.28e-05	0.0	-3.46e-06
2147	87	-0.02	-0.51	-0.86	1.17e-04	0.0	-6.45e-06
2147	98	-0.01	-1.75e-04	-0.80	1.88e-05	0.0	0.0
2147	103	-0.01	0.10	-0.76	-1.21e-06	0.0	1.97e-06
2147	105	-0.01	-0.10	-0.78	3.74e-05	0.0	0.0
2147	106	-0.01	9.49e-04	-0.60	1.10e-05	0.0	0.0
2147	107	-0.01	-1.43e-05	-0.77	1.77e-05	0.0	0.0
2147	115	-5.84	-4.75	-0.70	-1.75e-04	0.0	3.58e-04
2147	139	-3.30	-5.53	-1.36	1.25e-03	0.0	2.19e-04
2147	147	-6.58	-5.35	-0.69	-1.99e-04	0.0	4.03e-04
2147	171	-3.72	-6.23	-1.43	1.41e-03	0.0	2.47e-04
2147	179	-6.61	-5.33	-0.70	-1.81e-04	0.0	4.02e-04
2147	203	-3.81	-6.24	-1.42	1.40e-03	0.0	2.50e-04
2147	211	-7.79	-6.25	-0.69	-2.07e-04	0.0	4.72e-04
2147	235	-4.55	-7.35	-1.53	1.63e-03	0.0	2.99e-04
2148	28	0.11	-0.59	-1.37	1.29e-04	0.0	-1.06e-05
2148	44	0.10	-0.95	-1.28	1.83e-04	0.0	-1.16e-05
2148	80	0.08	-0.39	-0.98	8.74e-05	0.0	-7.42e-06
2148	88	0.07	-0.63	-0.91	1.23e-04	0.0	-8.08e-06
2148	98	0.07	-0.02	-0.80	2.28e-05	0.0	-4.67e-06
2148	105	0.06	-0.14	-0.79	4.12e-05	0.0	-5.10e-06
2148	107	0.06	-0.02	-0.77	2.15e-05	0.0	-4.47e-06
2148	112	6.89	5.56	-0.85	2.13e-04	0.0	-2.96e-04
2148	139	-3.78	-6.82	-1.37	1.23e-03	0.0	-3.57e-05
2148	144	7.76	6.27	-0.86	2.37e-04	0.0	-3.33e-04
2148	171	-4.28	-7.68	-1.44	1.38e-03	0.0	-3.92e-05
2148	176	7.79	6.22	-0.85	2.19e-04	0.0	-3.31e-04
2148	203	-4.37	-7.68	-1.43	1.37e-03	0.0	-3.37e-05
2148	208	9.17	7.29	-0.85	2.46e-04	0.0	-3.88e-04
2148	235	-5.23	-9.04	-1.55	1.59e-03	0.0	-3.47e-05
2149	28	0.17	-0.66	-1.37	1.35e-04	0.0	-1.25e-05
2149	44	0.15	-1.05	-1.28	1.87e-04	0.0	-1.22e-05
2149	80	0.12	-0.44	-0.98	9.15e-05	0.0	-8.80e-06
2149	88	0.11	-0.70	-0.92	1.26e-04	0.0	-8.60e-06
2149	98	0.10	-0.03	-0.80	2.67e-05	0.0	-6.61e-06
2149	105	0.09	-0.16	-0.79	4.48e-05	0.0	-6.65e-06
2149	107	0.09	-0.03	-0.77	2.53e-05	0.0	-6.33e-06
2149	112	7.42	5.96	-0.85	-7.73e-04	0.0	-3.13e-04
2149	139	-4.03	-7.45	-1.37	1.19e-03	0.0	-3.94e-05
2149	144	8.35	6.72	-0.86	-8.73e-04	0.0	-3.52e-04
2149	171	-4.57	-8.39	-1.44	1.34e-03	0.0	-4.31e-05
2149	176	8.39	6.66	-0.85	-8.51e-04	0.0	-3.50e-04
2149	203	-4.66	-8.39	-1.44	1.33e-03	0.0	-3.71e-05
2149	208	9.86	7.80	-0.85	-9.92e-04	0.0	-4.09e-04
2149	235	-5.58	-9.86	-1.55	1.55e-03	0.0	-3.80e-05
2150	28	0.21	-0.73	-1.38	1.42e-04	0.0	-1.50e-05
2150	44	0.19	-1.14	-1.28	1.93e-04	0.0	-1.37e-05
2150	80	0.15	-0.49	-0.98	9.66e-05	0.0	-1.06e-05
2150	88	0.13	-0.77	-0.92	1.31e-04	0.0	-9.74e-06
2150	98	0.13	-0.05	-0.80	3.17e-05	0.0	-8.68e-06
2150	105	0.12	-0.19	-0.79	4.95e-05	0.0	-8.44e-06
2150	107	0.12	-0.05	-0.77	3.02e-05	0.0	-8.31e-06
2150	112	7.92	6.34	-0.85	-7.36e-04	0.0	-3.40e-04
2150	139	-4.27	-8.06	-1.37	1.15e-03	0.0	-3.75e-05

2150	144	8.91	7.15	-0.86	-8.33e-04	0.0	-3.82e-04
2150	171	-4.84	-9.08	-1.44	1.29e-03	0.0	-4.07e-05
2150	176	8.94	7.09	-0.85	-8.12e-04	0.0	-3.79e-04
2150	203	-4.94	-9.07	-1.44	1.28e-03	0.0	-3.49e-05
2150	208	10.51	8.30	-0.86	-9.47e-04	0.0	-4.42e-04
2150	235	-5.91	-10.65	-1.55	1.50e-03	0.0	-3.54e-05
2151	28	0.05	-0.53	-1.56	1.29e-04	0.0	-7.70e-06
2151	44	0.04	-0.86	-1.45	1.81e-04	0.0	-1.05e-05
2151	52	0.05	-0.02	-1.50	4.21e-05	0.0	-3.12e-06
2151	80	0.04	-0.35	-1.11	8.72e-05	0.0	-5.30e-06
2151	88	0.03	-0.57	-1.04	1.22e-04	0.0	-7.16e-06
2151	92	0.04	-0.01	-1.07	2.92e-05	0.0	-2.25e-06
2151	98	0.03	-0.01	-0.92	2.34e-05	0.0	-1.98e-06
2151	105	0.03	-0.12	-0.90	4.15e-05	0.0	-2.94e-06
2151	107	0.03	-0.01	-0.89	2.21e-05	0.0	-1.92e-06
2151	112	6.35	4.98	-0.94	2.00e-04	0.0	-2.91e-04
2151	133	-0.29	-4.01	-1.50	1.26e-03	0.0	-2.25e-04
2151	139	-3.53	-6.12	-1.37	1.26e-03	0.0	-2.50e-05
2151	144	7.15	5.61	-0.95	2.23e-04	0.0	-3.27e-04
2151	165	-0.33	-4.51	-1.57	1.42e-03	0.0	-2.53e-04
2151	171	-4.00	-6.90	-1.43	1.42e-03	0.0	-2.76e-05
2151	176	7.19	5.58	-0.94	2.06e-04	0.0	-3.26e-04
2151	197	-0.35	-4.50	-1.56	1.40e-03	0.0	-2.52e-04
2151	203	-4.09	-6.91	-1.43	1.41e-03	0.0	-2.36e-05
2151	208	8.46	6.53	-0.93	2.31e-04	0.0	-3.81e-04
2151	229	-0.43	-5.26	-1.67	1.63e-03	0.0	-2.96e-04
2151	235	-4.89	-8.12	-1.52	1.64e-03	0.0	-2.42e-05
2152	18	-0.02	0.75	-1.26	-1.05e-04	0.0	1.17e-05
2152	28	-0.02	-0.46	-1.56	1.27e-04	0.0	-3.90e-06
2152	47	-0.02	-0.77	-1.10	1.71e-04	0.0	-8.49e-06
2152	75	-0.02	0.50	-0.91	-6.90e-05	0.0	7.81e-06
2152	80	-0.02	-0.31	-1.11	8.60e-05	0.0	-2.56e-06
2152	87	-0.01	-0.51	-0.99	1.19e-04	0.0	-5.43e-06
2152	98	-0.01	5.21e-04	-0.92	2.24e-05	0.0	1.03e-06
2152	103	-0.01	0.10	-0.88	2.48e-06	0.0	2.30e-06
2152	105	-0.01	-0.10	-0.90	4.05e-05	0.0	0.0
2152	106	-0.01	1.35e-03	-0.69	1.36e-05	0.0	0.0
2152	107	-0.01	6.39e-04	-0.89	2.11e-05	0.0	0.0
2152	115	-5.84	-4.57	-0.84	-1.59e-04	0.0	3.59e-04
2152	133	-0.29	-3.50	-1.50	1.27e-03	0.0	2.28e-05
2152	136	3.27	5.46	-0.41	-1.23e-03	0.0	-2.18e-04
2152	147	-6.58	-5.15	-0.83	-1.82e-04	0.0	4.05e-04
2152	165	-0.33	-3.94	-1.58	1.43e-03	0.0	2.58e-05
2152	168	3.70	6.16	-0.35	-1.39e-03	0.0	-2.46e-04
2152	179	-6.61	-5.12	-0.85	-1.65e-04	0.0	4.04e-04
2152	197	-0.35	-3.93	-1.56	1.42e-03	0.0	2.65e-05
2152	200	3.78	6.17	-0.35	-1.38e-03	0.0	-2.49e-04
2152	211	-7.79	-6.01	-0.85	-1.90e-04	0.0	4.74e-04
2152	229	-0.42	-4.59	-1.67	1.65e-03	0.0	3.23e-05
2152	232	4.52	7.26	-0.26	-1.62e-03	0.0	-2.98e-04
2153	28	0.11	-0.59	-1.56	1.33e-04	0.0	-1.12e-05
2153	44	0.10	-0.96	-1.45	1.84e-04	0.0	-1.26e-05
2153	80	0.08	-0.40	-1.11	8.97e-05	0.0	-7.86e-06
2153	88	0.07	-0.64	-1.04	1.24e-04	0.0	-8.77e-06
2153	98	0.07	-0.02	-0.92	2.56e-05	0.0	-4.90e-06
2153	105	0.06	-0.14	-0.90	4.36e-05	0.0	-5.44e-06
2153	107	0.06	-0.02	-0.89	2.43e-05	0.0	-4.72e-06
2153	112	6.89	5.38	-0.94	1.97e-04	0.0	-3.00e-04
2153	133	-0.29	-4.51	-1.50	1.23e-03	0.0	-2.39e-04
2153	139	-3.78	-6.77	-1.37	1.23e-03	0.0	-3.27e-05
2153	144	7.76	6.06	-0.95	2.19e-04	0.0	-3.38e-04
2153	165	-0.34	-5.08	-1.57	1.38e-03	0.0	-2.69e-04
2153	171	-4.28	-7.63	-1.43	1.38e-03	0.0	-3.58e-05
2153	176	7.79	6.02	-0.94	2.03e-04	0.0	-3.36e-04
2153	197	-0.36	-5.06	-1.56	1.36e-03	0.0	-2.66e-04
2153	203	-4.38	-7.63	-1.43	1.37e-03	0.0	-3.07e-05
2153	208	9.17	7.05	-0.93	2.27e-04	0.0	-3.93e-04
2153	229	-0.44	-5.91	-1.67	1.58e-03	0.0	-3.12e-04
2153	235	-5.24	-8.97	-1.52	1.60e-03	0.0	-3.15e-05
2154	28	0.16	-0.67	-1.56	1.38e-04	0.0	-1.40e-05
2154	44	0.15	-1.05	-1.45	1.89e-04	0.0	-1.41e-05
2154	80	0.12	-0.45	-1.11	9.34e-05	0.0	-9.84e-06
2154	88	0.10	-0.70	-1.04	1.27e-04	0.0	-9.94e-06
2154	98	0.10	-0.04	-0.92	2.90e-05	0.0	-7.24e-06
2154	105	0.09	-0.17	-0.90	4.68e-05	0.0	-7.43e-06

2154	107	0.09	-0.04	-0.89	2.75e-05	0.0	-6.97e-06
2154	112	7.42	5.77	-0.94	-7.42e-04	0.0	-3.18e-04
2154	133	-0.30	-4.99	-1.50	8.95e-04	0.0	-2.55e-04
2154	139	-4.03	-7.40	-1.37	1.18e-03	0.0	-3.62e-05
2154	144	8.36	6.50	-0.95	-8.39e-04	0.0	-3.58e-04
2154	165	-0.35	-5.62	-1.57	1.00e-03	0.0	-2.86e-04
2154	171	-4.57	-8.34	-1.43	1.32e-03	0.0	-3.95e-05
2154	176	8.39	6.45	-0.94	-8.18e-04	0.0	-3.55e-04
2154	197	-0.37	-5.60	-1.56	9.99e-04	0.0	-2.82e-04
2154	203	-4.66	-8.33	-1.43	1.31e-03	0.0	-3.40e-05
2154	208	9.86	7.55	-0.94	-9.54e-04	0.0	-4.15e-04
2154	229	-0.46	-6.54	-1.67	1.16e-03	0.0	-3.30e-04
2154	235	-5.58	-9.78	-1.52	1.53e-03	0.0	-3.48e-05
2155	28	0.21	-0.74	-1.56	1.44e-04	0.0	-1.58e-05
2155	44	0.19	-1.15	-1.46	1.94e-04	0.0	-1.51e-05
2155	80	0.15	-0.50	-1.11	9.77e-05	0.0	-1.12e-05
2155	88	0.13	-0.77	-1.04	1.31e-04	0.0	-1.07e-05
2155	98	0.13	-0.05	-0.92	3.30e-05	0.0	-8.83e-06
2155	105	0.12	-0.19	-0.90	5.05e-05	0.0	-8.78e-06
2155	107	0.12	-0.05	-0.89	3.13e-05	0.0	-8.48e-06
2155	112	7.93	6.13	-0.94	-6.96e-04	0.0	-3.44e-04
2155	133	-0.30	-5.45	-1.50	8.51e-04	0.0	-2.70e-04
2155	139	-4.27	-8.00	-1.37	1.12e-03	0.0	-3.58e-05
2155	144	8.92	6.91	-0.95	-7.87e-04	0.0	-3.87e-04
2155	165	-0.36	-6.13	-1.57	9.54e-04	0.0	-3.04e-04
2155	171	-4.84	-9.01	-1.43	1.26e-03	0.0	-3.89e-05
2155	176	8.95	6.85	-0.94	-7.68e-04	0.0	-3.83e-04
2155	197	-0.38	-6.11	-1.56	9.50e-04	0.0	-3.00e-04
2155	203	-4.94	-9.00	-1.43	1.25e-03	0.0	-3.36e-05
2155	208	10.52	8.02	-0.94	-8.96e-04	0.0	-4.47e-04
2155	229	-0.47	-7.13	-1.67	1.10e-03	0.0	-3.51e-04
2155	235	-5.91	-10.56	-1.52	1.46e-03	0.0	-3.41e-05
2156	28	0.05	-0.53	-1.73	1.34e-04	0.0	-6.46e-06
2156	44	0.04	-0.87	-1.61	1.85e-04	0.0	-9.35e-06
2156	52	0.05	-0.02	-1.67	4.77e-05	0.0	-1.96e-06
2156	80	0.04	-0.35	-1.23	9.05e-05	0.0	-4.44e-06
2156	88	0.03	-0.58	-1.15	1.24e-04	0.0	-6.37e-06
2156	92	0.04	-0.02	-1.19	3.32e-05	0.0	-1.44e-06
2156	98	0.03	-0.01	-1.03	2.68e-05	0.0	-1.33e-06
2156	105	0.03	-0.12	-1.01	4.45e-05	0.0	-2.30e-06
2156	107	0.03	-0.01	-0.99	2.54e-05	0.0	-1.30e-06
2156	112	6.35	4.80	-1.07	1.87e-04	0.0	-2.96e-04
2156	133	-0.29	-4.06	-1.63	1.27e-03	0.0	-2.26e-04
2156	139	-3.53	-6.07	-1.50	1.28e-03	0.0	-2.28e-05
2156	144	7.15	5.40	-1.08	2.07e-04	0.0	-3.33e-04
2156	165	-0.33	-4.57	-1.71	1.43e-03	0.0	-2.54e-04
2156	171	-4.00	-6.84	-1.56	1.43e-03	0.0	-2.53e-05
2156	176	7.19	5.37	-1.06	1.92e-04	0.0	-3.31e-04
2156	197	-0.35	-4.55	-1.70	1.41e-03	0.0	-2.53e-04
2156	203	-4.09	-6.83	-1.56	1.42e-03	0.0	-2.16e-05
2156	208	8.46	6.29	-1.06	2.14e-04	0.0	-3.88e-04
2156	229	-0.43	-5.32	-1.81	1.64e-03	0.0	-2.98e-04
2156	235	-4.89	-8.03	-1.66	1.66e-03	0.0	-2.23e-05
2157	18	-0.02	0.76	-1.41	-9.90e-05	0.0	1.15e-05
2157	28	-0.02	-0.46	-1.73	1.32e-04	0.0	-2.55e-06
2157	47	-0.01	-0.77	-1.22	1.73e-04	0.0	-7.13e-06
2157	75	-0.02	0.50	-1.02	-6.47e-05	0.0	7.77e-06
2157	80	-0.01	-0.31	-1.23	8.96e-05	0.0	-1.62e-06
2157	87	-0.01	-0.51	-1.10	1.22e-04	0.0	-4.38e-06
2157	98	-0.01	1.55e-03	-1.03	2.61e-05	0.0	1.56e-06
2157	102	-0.01	0.10	-0.77	-2.31e-06	0.0	2.17e-06
2157	103	-0.01	0.10	-0.98	6.10e-06	0.0	2.69e-06
2157	106	-0.01	1.99e-03	-0.78	1.63e-05	0.0	0.0
2157	107	-0.01	1.61e-03	-0.99	2.47e-05	0.0	1.48e-06
2157	115	-5.83	-4.39	-0.92	-1.40e-04	0.0	3.60e-04
2157	133	-0.29	-3.54	-1.63	1.29e-03	0.0	2.31e-05
2157	136	3.27	5.40	-0.49	-1.24e-03	0.0	-2.17e-04
2157	147	-6.58	-4.94	-0.91	-1.61e-04	0.0	4.06e-04
2157	165	-0.33	-3.99	-1.71	1.45e-03	0.0	2.62e-05
2157	168	3.70	6.08	-0.43	-1.40e-03	0.0	-2.46e-04
2157	179	-6.61	-4.92	-0.93	-1.45e-04	0.0	4.04e-04
2157	197	-0.35	-3.97	-1.70	1.43e-03	0.0	2.70e-05
2157	200	3.78	6.09	-0.43	-1.39e-03	0.0	-2.49e-04
2157	211	-7.79	-5.76	-0.92	-1.67e-04	0.0	4.75e-04
2157	229	-0.42	-4.64	-1.81	1.67e-03	0.0	3.29e-05

2157	232	4.52	7.16	-0.33	-1.63e-03	0.0	-2.98e-04
2158	28	0.11	-0.60	-1.73	1.36e-04	0.0	-1.02e-05
2158	44	0.10	-0.96	-1.61	1.87e-04	0.0	-1.20e-05
2158	80	0.08	-0.40	-1.23	9.23e-05	0.0	-7.15e-06
2158	88	0.07	-0.64	-1.15	1.26e-04	0.0	-8.32e-06
2158	98	0.07	-0.03	-1.03	2.84e-05	0.0	-4.17e-06
2158	105	0.06	-0.15	-1.01	4.61e-05	0.0	-4.83e-06
2158	107	0.06	-0.02	-0.99	2.70e-05	0.0	-4.04e-06
2158	112	6.89	5.19	-1.07	1.81e-04	0.0	-3.09e-04
2158	133	-0.29	-4.57	-1.63	1.23e-03	0.0	-2.40e-04
2158	139	-3.78	-6.72	-1.50	1.23e-03	0.0	-2.87e-05
2158	144	7.76	5.85	-1.08	2.00e-04	0.0	-3.48e-04
2158	165	-0.34	-5.15	-1.71	1.38e-03	0.0	-2.70e-04
2158	171	-4.28	-7.57	-1.56	1.38e-03	0.0	-3.16e-05
2158	176	7.79	5.81	-1.06	1.85e-04	0.0	-3.45e-04
2158	197	-0.36	-5.12	-1.70	1.36e-03	0.0	-2.68e-04
2158	203	-4.38	-7.57	-1.56	1.37e-03	0.0	-2.71e-05
2158	208	9.17	6.80	-1.06	2.06e-04	0.0	-4.04e-04
2158	229	-0.44	-5.98	-1.81	1.58e-03	0.0	-3.14e-04
2158	235	-5.24	-8.89	-1.66	1.60e-03	0.0	-2.78e-05
2159	28	0.16	-0.67	-1.73	1.40e-04	0.0	-1.29e-05
2159	44	0.15	-1.06	-1.61	1.90e-04	0.0	-1.37e-05
2159	80	0.12	-0.45	-1.23	9.50e-05	0.0	-9.09e-06
2159	88	0.10	-0.71	-1.15	1.28e-04	0.0	-9.62e-06
2159	98	0.10	-0.04	-1.03	3.08e-05	0.0	-6.31e-06
2159	105	0.09	-0.17	-1.01	4.83e-05	0.0	-6.69e-06
2159	107	0.09	-0.04	-0.99	2.92e-05	0.0	-6.09e-06
2159	112	7.43	5.57	-1.07	-7.14e-04	0.0	-3.27e-04
2159	133	-0.30	-5.06	-1.63	8.97e-04	0.0	-2.55e-04
2159	139	-4.04	-7.35	-1.50	1.17e-03	0.0	-3.23e-05
2159	144	8.36	6.28	-1.08	-8.08e-04	0.0	-3.68e-04
2159	165	-0.35	-5.69	-1.71	1.01e-03	0.0	-2.87e-04
2159	171	-4.57	-8.27	-1.56	1.31e-03	0.0	-3.53e-05
2159	176	8.39	6.22	-1.06	-7.88e-04	0.0	-3.65e-04
2159	197	-0.37	-5.67	-1.70	1.00e-03	0.0	-2.84e-04
2159	203	-4.67	-8.26	-1.56	1.30e-03	0.0	-3.04e-05
2159	208	9.86	7.29	-1.06	-9.19e-04	0.0	-4.26e-04
2159	229	-0.46	-6.62	-1.81	1.16e-03	0.0	-3.33e-04
2159	235	-5.59	-9.70	-1.66	1.51e-03	0.0	-3.11e-05
2160	28	0.21	-0.75	-1.73	1.44e-04	0.0	-1.40e-05
2160	44	0.19	-1.16	-1.61	1.94e-04	0.0	-1.42e-05
2160	80	0.15	-0.50	-1.23	9.78e-05	0.0	-9.91e-06
2160	88	0.13	-0.78	-1.15	1.31e-04	0.0	-1.00e-05
2160	98	0.13	-0.06	-1.03	3.33e-05	0.0	-7.34e-06
2160	105	0.12	-0.20	-1.01	5.07e-05	0.0	-7.54e-06
2160	107	0.12	-0.06	-0.99	3.16e-05	0.0	-7.07e-06
2160	112	7.93	5.92	-1.07	-6.61e-04	0.0	-3.50e-04
2160	133	-0.30	-5.52	-1.63	8.45e-04	0.0	-2.71e-04
2160	139	-4.28	-7.94	-1.50	1.10e-03	0.0	-3.33e-05
2160	144	8.92	6.67	-1.08	-7.48e-04	0.0	-3.93e-04
2160	165	-0.36	-6.20	-1.71	9.47e-04	0.0	-3.05e-04
2160	171	-4.85	-8.94	-1.56	1.23e-03	0.0	-3.64e-05
2160	176	8.95	6.61	-1.06	-7.30e-04	0.0	-3.90e-04
2160	197	-0.38	-6.18	-1.70	9.42e-04	0.0	-3.02e-04
2160	203	-4.94	-8.92	-1.56	1.22e-03	0.0	-3.16e-05
2160	208	10.52	7.74	-1.06	-8.52e-04	0.0	-4.54e-04
2160	229	-0.47	-7.21	-1.81	1.10e-03	0.0	-3.53e-04
2160	235	-5.92	-10.46	-1.66	1.42e-03	0.0	-3.23e-05
2161	28	0.05	-0.53	-1.88	1.38e-04	0.0	-4.99e-06
2161	44	0.04	-0.87	-1.75	1.88e-04	0.0	-8.00e-06
2161	52	0.05	-0.02	-1.82	5.27e-05	0.0	0.0
2161	80	0.03	-0.36	-1.34	9.35e-05	0.0	-3.41e-06
2161	88	0.03	-0.58	-1.25	1.27e-04	0.0	-5.41e-06
2161	92	0.03	-0.02	-1.30	3.67e-05	0.0	0.0
2161	98	0.03	-0.01	-1.12	2.99e-05	0.0	0.0
2161	105	0.03	-0.13	-1.10	4.72e-05	0.0	-1.48e-06
2161	107	0.03	-0.01	-1.09	2.83e-05	0.0	0.0
2161	112	6.35	4.61	-1.21	1.71e-04	0.0	-3.76e-04
2161	133	-0.29	-4.11	-1.77	1.28e-03	0.0	2.40e-05
2161	139	-3.53	-6.00	-1.60	1.28e-03	0.0	2.30e-04
2161	144	7.15	5.19	-1.23	1.89e-04	0.0	-4.23e-04
2161	165	-0.33	-4.63	-1.85	1.44e-03	0.0	2.73e-05
2161	171	-4.00	-6.76	-1.67	1.44e-03	0.0	2.60e-04
2161	176	7.19	5.16	-1.21	1.74e-04	0.0	-4.21e-04
2161	197	-0.35	-4.61	-1.83	1.42e-03	0.0	2.77e-05

2161	203	-4.09	-6.76	-1.67	1.43e-03	0.0	2.63e-04
2161	208	8.46	6.04	-1.23	1.93e-04	0.0	-4.94e-04
2161	229	-0.43	-5.38	-1.95	1.65e-03	0.0	3.39e-05
2161	235	-4.89	-7.94	-1.77	1.66e-03	0.0	3.13e-04
2162	18	-0.02	0.76	-1.55	-9.37e-05	0.0	1.16e-05
2162	28	-0.02	-0.46	-1.88	1.37e-04	0.0	-1.44e-06
2162	45	-0.01	-0.77	-0.92	1.59e-04	0.0	-7.19e-06
2162	75	-0.01	0.51	-1.12	-6.09e-05	0.0	7.86e-06
2162	80	-0.01	-0.31	-1.34	9.29e-05	0.0	0.0
2162	85	-0.01	-0.51	-0.92	1.13e-04	0.0	-4.29e-06
2162	98	-0.01	2.84e-03	-1.12	2.94e-05	0.0	2.06e-06
2162	103	-0.01	0.10	-1.07	9.33e-06	0.0	3.09e-06
2162	107	-0.01	2.84e-03	-1.09	2.78e-05	0.0	1.95e-06
2162	115	-5.83	-4.20	-0.96	-1.18e-04	0.0	3.62e-04
2162	133	-0.29	-3.58	-1.77	1.30e-03	0.0	2.36e-05
2162	136	3.27	5.33	-0.57	-1.24e-03	0.0	-2.17e-04
2162	147	-6.57	-4.74	-0.94	-1.37e-04	0.0	4.08e-04
2162	165	-0.33	-4.03	-1.85	1.46e-03	0.0	2.66e-05
2162	168	3.70	6.01	-0.50	-1.40e-03	0.0	-2.46e-04
2162	179	-6.61	-4.71	-0.96	-1.22e-04	0.0	4.06e-04
2162	197	-0.35	-4.01	-1.83	1.44e-03	0.0	2.75e-05
2162	200	3.78	6.01	-0.50	-1.39e-03	0.0	-2.49e-04
2162	211	-7.78	-5.52	-0.94	-1.41e-04	0.0	4.77e-04
2162	229	-0.42	-4.69	-1.95	1.68e-03	0.0	3.35e-05
2162	232	4.52	7.06	-0.41	-1.63e-03	0.0	-2.98e-04
2163	28	0.11	-0.61	-1.88	1.39e-04	0.0	-8.37e-06
2163	44	0.10	-0.97	-1.75	1.89e-04	0.0	-1.05e-05
2163	80	0.08	-0.41	-1.34	9.46e-05	0.0	-5.84e-06
2163	88	0.07	-0.65	-1.25	1.28e-04	0.0	-7.28e-06
2163	98	0.07	-0.03	-1.12	3.09e-05	0.0	-2.95e-06
2163	105	0.06	-0.15	-1.10	4.82e-05	0.0	-3.71e-06
2163	107	0.06	-0.03	-1.09	2.93e-05	0.0	-2.87e-06
2163	112	6.89	5.00	-1.21	1.63e-04	0.0	-3.97e-04
2163	133	-0.29	-4.63	-1.77	1.23e-03	0.0	2.46e-05
2163	139	-3.78	-6.66	-1.60	1.23e-03	0.0	2.41e-04
2163	144	7.76	5.63	-1.23	1.80e-04	0.0	-4.47e-04
2163	165	-0.34	-5.21	-1.85	1.38e-03	0.0	2.83e-05
2163	171	-4.29	-7.50	-1.67	1.38e-03	0.0	2.73e-04
2163	176	7.79	5.59	-1.21	1.66e-04	0.0	-4.44e-04
2163	197	-0.36	-5.18	-1.83	1.36e-03	0.0	2.82e-05
2163	203	-4.38	-7.49	-1.67	1.37e-03	0.0	2.75e-04
2163	208	9.17	6.54	-1.23	1.83e-04	0.0	-5.20e-04
2163	229	-0.44	-6.05	-1.95	1.58e-03	0.0	3.48e-05
2163	235	-5.24	-8.79	-1.77	1.59e-03	0.0	3.28e-04
2164	28	0.16	-0.68	-1.88	1.42e-04	0.0	-1.07e-05
2164	44	0.14	-1.07	-1.75	1.91e-04	0.0	-1.21e-05
2164	80	0.12	-0.46	-1.34	9.62e-05	0.0	-7.51e-06
2164	88	0.10	-0.71	-1.25	1.29e-04	0.0	-8.47e-06
2164	98	0.10	-0.04	-1.12	3.22e-05	0.0	-4.71e-06
2164	105	0.09	-0.18	-1.10	4.95e-05	0.0	-5.27e-06
2164	107	0.09	-0.04	-1.09	3.06e-05	0.0	-4.56e-06
2164	112	7.43	5.36	-1.21	-6.88e-04	0.0	-4.20e-04
2164	133	-0.30	-5.12	-1.77	9.00e-04	0.0	2.51e-05
2164	139	-4.04	-7.28	-1.60	1.16e-03	0.0	2.54e-04
2164	144	8.36	6.04	-1.23	-7.78e-04	0.0	-4.73e-04
2164	165	-0.35	-5.76	-1.85	1.01e-03	0.0	2.91e-05
2164	171	-4.57	-8.20	-1.67	1.30e-03	0.0	2.87e-04
2164	176	8.39	5.99	-1.21	-7.59e-04	0.0	-4.69e-04
2164	197	-0.37	-5.73	-1.83	1.00e-03	0.0	2.88e-05
2164	203	-4.67	-8.18	-1.67	1.29e-03	0.0	2.89e-04
2164	208	9.87	7.01	-1.23	-8.86e-04	0.0	-5.49e-04
2164	229	-0.46	-6.69	-1.95	1.17e-03	0.0	3.59e-05
2164	235	-5.59	-9.60	-1.77	1.50e-03	0.0	3.44e-04
2165	28	0.21	-0.75	-1.88	1.44e-04	0.0	-1.15e-05
2165	44	0.19	-1.17	-1.75	1.93e-04	0.0	-1.25e-05
2165	80	0.15	-0.51	-1.34	9.78e-05	0.0	-8.11e-06
2165	88	0.13	-0.78	-1.25	1.31e-04	0.0	-8.77e-06
2165	98	0.13	-0.06	-1.12	3.35e-05	0.0	-5.49e-06
2165	105	0.12	-0.20	-1.10	5.08e-05	0.0	-5.91e-06
2165	107	0.12	-0.06	-1.09	3.18e-05	0.0	-5.30e-06
2165	112	7.94	5.69	-1.21	-6.30e-04	0.0	-4.46e-04
2165	133	-0.30	-5.57	-1.77	8.40e-04	0.0	2.59e-05
2165	139	-4.28	-7.86	-1.60	1.08e-03	0.0	2.69e-04
2165	144	8.93	6.42	-1.23	-7.13e-04	0.0	-5.02e-04
2165	165	-0.36	-6.27	-1.85	9.42e-04	0.0	3.01e-05

2165	171	-4.85	-8.85	-1.67	1.21e-03	0.0	3.04e-04
2165	176	8.96	6.36	-1.21	-6.96e-04	0.0	-4.97e-04
2165	197	-0.38	-6.24	-1.83	9.37e-04	0.0	3.00e-05
2165	203	-4.95	-8.83	-1.67	1.20e-03	0.0	3.05e-04
2165	208	10.53	7.45	-1.23	-8.12e-04	0.0	-5.81e-04
2165	229	-0.48	-7.28	-1.95	1.09e-03	0.0	3.76e-05
2165	235	-5.92	-10.35	-1.77	1.39e-03	0.0	3.65e-04
2166	28	0.05	-0.54	-2.02	1.41e-04	0.0	-3.62e-06
2166	44	0.04	-0.87	-1.87	1.90e-04	0.0	-6.76e-06
2166	52	0.05	-0.02	-1.96	5.68e-05	0.0	0.0
2166	80	0.03	-0.36	-1.44	9.61e-05	0.0	-2.43e-06
2166	88	0.03	-0.58	-1.34	1.29e-04	0.0	-4.53e-06
2166	92	0.03	-0.02	-1.40	3.97e-05	0.0	0.0
2166	98	0.03	-0.01	-1.21	3.24e-05	0.0	0.0
2166	105	0.03	-0.13	-1.18	4.95e-05	0.0	0.0
2166	107	0.03	-0.01	-1.17	3.08e-05	0.0	0.0
2166	112	6.35	4.42	-1.37	-7.56e-04	0.0	-3.80e-04
2166	133	-0.29	-4.16	-1.89	1.00e-03	0.0	2.46e-05
2166	139	-3.53	-5.93	-1.70	1.28e-03	0.0	2.33e-04
2166	144	7.15	4.98	-1.39	-8.55e-04	0.0	-4.28e-04
2166	165	-0.33	-4.68	-1.98	1.13e-03	0.0	2.80e-05
2166	171	-4.00	-6.69	-1.76	1.44e-03	0.0	2.63e-04
2166	176	7.19	4.94	-1.38	-8.35e-04	0.0	-4.26e-04
2166	197	-0.35	-4.65	-1.97	1.12e-03	0.0	2.85e-05
2166	203	-4.09	-6.67	-1.76	1.42e-03	0.0	2.66e-04
2166	208	8.46	5.79	-1.40	-9.74e-04	0.0	-4.99e-04
2166	229	-0.43	-5.43	-2.10	1.30e-03	0.0	3.50e-05
2166	235	-4.89	-7.84	-1.86	1.66e-03	0.0	3.18e-04
2167	18	-0.02	0.77	-1.67	-8.94e-05	0.0	1.17e-05
2167	28	-0.02	-0.46	-2.02	1.41e-04	0.0	0.0
2167	45	-0.01	-0.78	-0.98	1.60e-04	0.0	-6.55e-06
2167	75	-0.01	0.51	-1.21	-5.78e-05	0.0	7.96e-06
2167	80	-0.01	-0.31	-1.44	9.58e-05	0.0	0.0
2167	85	-0.01	-0.52	-0.98	1.15e-04	0.0	-3.76e-06
2167	98	-0.01	4.38e-03	-1.21	3.22e-05	0.0	2.45e-06
2167	103	-0.01	0.11	-1.16	1.21e-05	0.0	3.40e-06
2167	107	-0.01	4.30e-03	-1.17	3.05e-05	0.0	2.33e-06
2167	115	-5.83	-4.02	-0.97	8.32e-04	0.0	3.63e-04
2167	133	-0.29	-3.62	-1.89	1.02e-03	0.0	2.40e-05
2167	136	3.27	5.26	-0.64	-1.24e-03	0.0	-2.18e-04
2167	147	-6.57	-4.53	-0.95	9.33e-04	0.0	4.09e-04
2167	165	-0.33	-4.08	-1.98	1.14e-03	0.0	2.70e-05
2167	168	3.69	5.93	-0.58	-1.40e-03	0.0	-2.46e-04
2167	179	-6.60	-4.50	-0.96	9.12e-04	0.0	4.08e-04
2167	197	-0.34	-4.05	-1.97	1.14e-03	0.0	2.80e-05
2167	200	3.78	5.93	-0.58	-1.38e-03	0.0	-2.50e-04
2167	211	-7.78	-5.28	-0.93	1.05e-03	0.0	4.78e-04
2167	229	-0.42	-4.74	-2.10	1.32e-03	0.0	3.40e-05
2167	232	4.52	6.96	-0.48	-1.62e-03	0.0	-2.99e-04
2168	28	0.11	-0.61	-2.02	1.42e-04	0.0	-6.41e-06
2168	44	0.10	-0.97	-1.87	1.91e-04	0.0	-8.93e-06
2168	80	0.08	-0.41	-1.44	9.66e-05	0.0	-4.45e-06
2168	88	0.07	-0.65	-1.34	1.29e-04	0.0	-6.12e-06
2168	98	0.06	-0.03	-1.21	3.28e-05	0.0	-1.66e-06
2168	105	0.06	-0.15	-1.18	5.00e-05	0.0	-2.51e-06
2168	107	0.06	-0.03	-1.17	3.12e-05	0.0	-1.63e-06
2168	112	6.89	4.79	-1.37	-7.17e-04	0.0	-4.03e-04
2168	133	-0.29	-4.68	-1.89	9.62e-04	0.0	2.54e-05
2168	139	-3.79	-6.59	-1.70	1.22e-03	0.0	2.46e-04
2168	144	7.76	5.40	-1.39	-8.10e-04	0.0	-4.54e-04
2168	165	-0.34	-5.27	-1.98	1.08e-03	0.0	2.91e-05
2168	171	-4.29	-7.42	-1.76	1.37e-03	0.0	2.78e-04
2168	176	7.79	5.36	-1.38	-7.91e-04	0.0	-4.51e-04
2168	197	-0.36	-5.24	-1.97	1.07e-03	0.0	2.94e-05
2168	203	-4.38	-7.41	-1.76	1.36e-03	0.0	2.80e-04
2168	208	9.17	6.28	-1.40	-9.23e-04	0.0	-5.29e-04
2168	229	-0.44	-6.11	-2.10	1.25e-03	0.0	3.63e-05
2168	235	-5.24	-8.69	-1.86	1.58e-03	0.0	3.35e-04
2169	28	0.16	-0.68	-2.02	1.43e-04	0.0	-8.31e-06
2169	44	0.14	-1.07	-1.87	1.92e-04	0.0	-1.03e-05
2169	80	0.11	-0.46	-1.44	9.73e-05	0.0	-5.82e-06
2169	88	0.10	-0.72	-1.34	1.30e-04	0.0	-7.15e-06
2169	98	0.10	-0.05	-1.21	3.34e-05	0.0	-3.09e-06
2169	105	0.09	-0.18	-1.18	5.05e-05	0.0	-3.79e-06
2169	107	0.09	-0.04	-1.17	3.17e-05	0.0	-3.00e-06

2169	112	7.43	5.14	-1.37	-6.61e-04	0.0	-4.28e-04
2169	133	-0.30	-5.17	-1.89	9.03e-04	0.0	2.64e-05
2169	139	-4.04	-7.21	-1.70	1.14e-03	0.0	2.60e-04
2169	144	8.36	5.80	-1.39	-7.48e-04	0.0	-4.82e-04
2169	165	-0.35	-5.82	-1.98	1.01e-03	0.0	3.04e-05
2169	171	-4.58	-8.12	-1.76	1.28e-03	0.0	2.94e-04
2169	176	8.39	5.75	-1.38	-7.30e-04	0.0	-4.77e-04
2169	197	-0.37	-5.79	-1.97	1.01e-03	0.0	3.05e-05
2169	203	-4.67	-8.10	-1.76	1.27e-03	0.0	2.96e-04
2169	208	9.87	6.73	-1.40	-8.53e-04	0.0	-5.59e-04
2169	229	-0.46	-6.75	-2.10	1.17e-03	0.0	3.79e-05
2169	235	-5.59	-9.49	-1.86	1.48e-03	0.0	3.53e-04
2170	28	0.21	-0.76	-2.02	1.44e-04	0.0	-9.13e-06
2170	44	0.19	-1.18	-1.87	1.93e-04	0.0	-1.07e-05
2170	80	0.15	-0.51	-1.44	9.79e-05	0.0	-6.43e-06
2170	88	0.13	-0.79	-1.34	1.31e-04	0.0	-7.49e-06
2170	98	0.13	-0.06	-1.21	3.38e-05	0.0	-3.83e-06
2170	105	0.12	-0.20	-1.18	5.11e-05	0.0	-4.42e-06
2170	107	0.12	-0.06	-1.17	3.22e-05	0.0	-3.72e-06
2170	112	7.95	5.47	-1.37	-6.01e-04	0.0	-4.53e-04
2170	133	-0.30	-5.63	-1.89	8.38e-04	0.0	2.77e-05
2170	139	-4.29	-7.78	-1.70	1.06e-03	0.0	2.75e-04
2170	144	8.94	6.16	-1.39	-6.80e-04	0.0	-5.10e-04
2170	165	-0.36	-6.33	-1.98	9.39e-04	0.0	3.20e-05
2170	171	-4.86	-8.76	-1.76	1.19e-03	0.0	3.11e-04
2170	176	8.97	6.10	-1.38	-6.63e-04	0.0	-5.05e-04
2170	197	-0.38	-6.29	-1.97	9.33e-04	0.0	3.23e-05
2170	203	-4.95	-8.73	-1.76	1.18e-03	0.0	3.13e-04
2170	208	10.55	7.15	-1.40	-7.75e-04	0.0	-5.91e-04
2170	229	-0.48	-7.34	-2.10	1.08e-03	0.0	4.03e-05
2170	235	-5.93	-10.23	-1.86	1.37e-03	0.0	3.73e-04
2171	28	0.05	-0.54	-2.14	1.44e-04	0.0	-2.60e-06
2171	44	0.04	-0.88	-1.98	1.93e-04	0.0	-5.87e-06
2171	52	0.05	-0.02	-2.08	6.01e-05	0.0	1.84e-06
2171	80	0.03	-0.36	-1.53	9.82e-05	0.0	-1.71e-06
2171	88	0.03	-0.59	-1.42	1.30e-04	0.0	-3.88e-06
2171	92	0.03	-0.02	-1.49	4.20e-05	0.0	1.25e-06
2171	98	0.03	-0.01	-1.29	3.44e-05	0.0	0.0
2171	105	0.03	-0.13	-1.26	5.14e-05	0.0	0.0
2171	107	0.03	-0.01	-1.24	3.27e-05	0.0	0.0
2171	112	6.35	4.22	-1.52	-7.31e-04	0.0	-3.82e-04
2171	133	-0.29	-4.20	-2.02	1.01e-03	0.0	2.53e-05
2171	139	-3.53	-5.86	-1.78	1.27e-03	0.0	2.35e-04
2171	144	7.15	4.76	-1.55	-8.27e-04	0.0	-4.31e-04
2171	165	-0.33	-4.73	-2.11	1.14e-03	0.0	2.86e-05
2171	171	-4.00	-6.60	-1.84	1.43e-03	0.0	2.66e-04
2171	176	7.19	4.73	-1.54	-8.07e-04	0.0	-4.28e-04
2171	197	-0.35	-4.70	-2.10	1.13e-03	0.0	2.93e-05
2171	203	-4.09	-6.59	-1.84	1.42e-03	0.0	2.69e-04
2171	208	8.46	5.53	-1.58	-9.43e-04	0.0	-5.03e-04
2171	229	-0.43	-5.49	-2.23	1.31e-03	0.0	3.59e-05
2171	235	-4.89	-7.73	-1.93	1.65e-03	0.0	3.21e-04
2172	16	-0.02	0.78	-1.31	-1.04e-04	0.0	1.03e-05
2172	28	-0.02	-0.46	-2.14	1.44e-04	0.0	0.0
2172	45	-0.01	-0.78	-1.03	1.61e-04	0.0	-6.21e-06
2172	73	-0.01	0.52	-0.98	-6.73e-05	0.0	7.01e-06
2172	75	-0.01	0.52	-1.29	-5.53e-05	0.0	7.84e-06
2172	80	-0.01	-0.31	-1.53	9.83e-05	0.0	0.0
2172	98	-9.54e-03	6.13e-03	-1.29	3.46e-05	0.0	2.49e-06
2172	102	-0.01	0.11	-0.96	4.10e-06	0.0	2.69e-06
2172	103	-0.01	0.11	-1.23	1.44e-05	0.0	3.41e-06
2172	106	-9.55e-03	5.05e-03	-0.97	2.26e-05	0.0	1.65e-06
2172	107	-9.54e-03	5.98e-03	-1.24	3.29e-05	0.0	2.37e-06
2172	115	-5.83	-3.83	-0.97	8.12e-04	0.0	3.64e-04
2172	133	-0.29	-3.66	-2.02	1.03e-03	0.0	2.40e-05
2172	136	3.27	5.20	-0.71	-1.23e-03	0.0	-2.18e-04
2172	147	-6.57	-4.32	-0.93	9.09e-04	0.0	4.10e-04
2172	165	-0.32	-4.12	-2.11	1.15e-03	0.0	2.70e-05
2172	168	3.69	5.86	-0.64	-1.39e-03	0.0	-2.46e-04
2172	179	-6.60	-4.30	-0.95	8.90e-04	0.0	4.08e-04
2172	197	-0.34	-4.10	-2.10	1.15e-03	0.0	2.80e-05
2172	200	3.78	5.85	-0.65	-1.37e-03	0.0	-2.50e-04
2172	211	-7.78	-5.03	-0.90	1.03e-03	0.0	4.79e-04
2172	229	-0.42	-4.78	-2.23	1.33e-03	0.0	3.41e-05
2172	232	4.52	6.87	-0.55	-1.61e-03	0.0	-2.99e-04

2173	28	0.11	-0.61	-2.14	1.44e-04	0.0	-4.74e-06
2173	44	0.10	-0.98	-1.98	1.93e-04	0.0	-7.57e-06
2173	80	0.08	-0.41	-1.53	9.82e-05	0.0	-3.26e-06
2173	88	0.07	-0.65	-1.42	1.31e-04	0.0	-5.14e-06
2173	98	0.06	-0.03	-1.29	3.44e-05	0.0	0.0
2173	105	0.06	-0.15	-1.26	5.14e-05	0.0	-1.48e-06
2173	107	0.06	-0.03	-1.24	3.27e-05	0.0	0.0
2173	112	6.89	4.59	-1.52	-6.90e-04	0.0	-4.08e-04
2173	133	-0.29	-4.73	-2.02	9.67e-04	0.0	2.66e-05
2173	139	-3.79	-6.52	-1.78	1.21e-03	0.0	2.50e-04
2173	144	7.76	5.17	-1.55	-7.81e-04	0.0	-4.59e-04
2173	165	-0.34	-5.32	-2.11	1.08e-03	0.0	3.04e-05
2173	171	-4.29	-7.34	-1.84	1.36e-03	0.0	2.82e-04
2173	176	7.79	5.13	-1.54	-7.63e-04	0.0	-4.56e-04
2173	197	-0.36	-5.29	-2.10	1.08e-03	0.0	3.08e-05
2173	203	-4.38	-7.32	-1.84	1.35e-03	0.0	2.85e-04
2173	208	9.17	6.01	-1.58	-8.91e-04	0.0	-5.34e-04
2173	229	-0.44	-6.17	-2.23	1.25e-03	0.0	3.79e-05
2173	235	-5.24	-8.58	-1.93	1.57e-03	0.0	3.40e-04
2174	28	0.16	-0.69	-2.14	1.44e-04	0.0	-6.33e-06
2174	44	0.14	-1.08	-1.98	1.93e-04	0.0	-8.73e-06
2174	80	0.11	-0.46	-1.53	9.83e-05	0.0	-4.41e-06
2174	88	0.10	-0.72	-1.42	1.31e-04	0.0	-6.01e-06
2174	98	0.10	-0.05	-1.29	3.44e-05	0.0	-1.74e-06
2174	105	0.09	-0.18	-1.26	5.15e-05	0.0	-2.56e-06
2174	107	0.09	-0.05	-1.24	3.27e-05	0.0	-1.72e-06
2174	112	7.43	4.93	-1.52	-6.34e-04	0.0	-4.33e-04
2174	133	-0.30	-5.22	-2.02	9.05e-04	0.0	2.79e-05
2174	139	-4.04	-7.13	-1.77	1.13e-03	0.0	2.64e-04
2174	144	8.37	5.55	-1.55	-7.18e-04	0.0	-4.87e-04
2174	165	-0.35	-5.88	-2.11	1.01e-03	0.0	3.20e-05
2174	171	-4.58	-8.03	-1.84	1.27e-03	0.0	2.99e-04
2174	176	8.40	5.50	-1.54	-7.01e-04	0.0	-4.83e-04
2174	197	-0.37	-5.84	-2.10	1.01e-03	0.0	3.24e-05
2174	203	-4.67	-8.00	-1.84	1.26e-03	0.0	3.01e-04
2174	208	9.87	6.44	-1.58	-8.18e-04	0.0	-5.66e-04
2174	229	-0.46	-6.81	-2.23	1.17e-03	0.0	4.00e-05
2174	235	-5.59	-9.37	-1.93	1.46e-03	0.0	3.59e-04
2175	28	0.21	-0.76	-2.14	1.45e-04	0.0	-7.25e-06
2175	44	0.19	-1.18	-1.98	1.93e-04	0.0	-9.25e-06
2175	80	0.15	-0.51	-1.53	9.84e-05	0.0	-5.09e-06
2175	88	0.13	-0.79	-1.42	1.31e-04	0.0	-6.42e-06
2175	98	0.13	-0.07	-1.29	3.44e-05	0.0	-2.55e-06
2175	105	0.12	-0.21	-1.26	5.15e-05	0.0	-3.24e-06
2175	107	0.12	-0.06	-1.24	3.28e-05	0.0	-2.49e-06
2175	112	7.96	5.23	-1.52	-5.72e-04	0.0	-4.58e-04
2175	133	-0.30	-5.68	-2.02	8.36e-04	0.0	2.95e-05
2175	139	-4.29	-7.70	-1.78	1.04e-03	0.0	2.80e-04
2175	144	8.96	5.90	-1.55	-6.48e-04	0.0	-5.16e-04
2175	165	-0.36	-6.39	-2.11	9.37e-04	0.0	3.39e-05
2175	171	-4.86	-8.66	-1.84	1.17e-03	0.0	3.16e-04
2175	176	8.99	5.84	-1.54	-6.33e-04	0.0	-5.11e-04
2175	197	-0.38	-6.35	-2.10	9.30e-04	0.0	3.44e-05
2175	203	-4.96	-8.63	-1.84	1.16e-03	0.0	3.18e-04
2175	208	10.56	6.84	-1.58	-7.39e-04	0.0	-5.98e-04
2175	229	-0.48	-7.40	-2.23	1.08e-03	0.0	4.27e-05
2175	235	-5.94	-10.11	-1.93	1.35e-03	0.0	3.79e-04
2176	28	0.05	-0.54	-2.26	1.46e-04	0.0	-1.95e-06
2176	44	0.04	-0.88	-2.08	1.94e-04	0.0	-5.34e-06
2176	52	0.05	-0.02	-2.20	6.21e-05	0.0	2.58e-06
2176	80	0.03	-0.36	-1.61	9.95e-05	0.0	-1.24e-06
2176	88	0.03	-0.59	-1.49	1.32e-04	0.0	-3.50e-06
2176	92	0.03	-0.01	-1.57	4.35e-05	0.0	1.78e-06
2176	98	0.03	-0.01	-1.35	3.57e-05	0.0	1.42e-06
2176	105	0.03	-0.13	-1.32	5.26e-05	0.0	0.0
2176	107	0.03	-0.01	-1.31	3.39e-05	0.0	1.34e-06
2176	112	6.35	4.03	-1.66	-7.04e-04	0.0	-3.83e-04
2176	133	-0.29	-4.25	-2.13	1.02e-03	0.0	2.58e-05
2176	139	-3.54	-5.79	-1.84	1.26e-03	0.0	2.37e-04
2176	144	7.15	4.54	-1.71	-7.96e-04	0.0	-4.32e-04
2176	165	-0.33	-4.78	-2.24	1.14e-03	0.0	2.92e-05
2176	171	-4.00	-6.52	-1.91	1.42e-03	0.0	2.67e-04
2176	176	7.19	4.51	-1.69	-7.78e-04	0.0	-4.29e-04
2176	197	-0.35	-4.75	-2.22	1.13e-03	0.0	2.99e-05
2176	203	-4.09	-6.50	-1.90	1.40e-03	0.0	2.70e-04

2176	208	8.46	5.28	-1.76	-9.09e-04	0.0	-5.04e-04
2176	229	-0.43	-5.54	-2.37	1.32e-03	0.0	3.65e-05
2176	235	-4.89	-7.63	-2.00	1.63e-03	0.0	3.22e-04
2177	16	-0.02	0.78	-1.38	-1.03e-04	0.0	1.04e-05
2177	28	-0.01	-0.46	-2.26	1.46e-04	0.0	0.0
2177	45	-0.01	-0.78	-1.07	1.62e-04	0.0	-6.31e-06
2177	73	-0.01	0.52	-1.03	-6.65e-05	0.0	7.09e-06
2177	75	-0.01	0.52	-1.36	-5.42e-05	0.0	7.92e-06
2177	80	-0.01	-0.31	-1.61	9.96e-05	0.0	0.0
2177	98	-8.40e-03	7.42e-03	-1.35	3.57e-05	0.0	2.49e-06
2177	102	-9.13e-03	0.11	-1.01	4.94e-06	0.0	2.71e-06
2177	103	-8.93e-03	0.11	-1.29	1.55e-05	0.0	3.42e-06
2177	106	-8.63e-03	5.92e-03	-1.02	2.34e-05	0.0	1.66e-06
2177	107	-8.43e-03	7.21e-03	-1.31	3.39e-05	0.0	2.37e-06
2177	115	-5.82	-3.65	-0.95	7.87e-04	0.0	3.63e-04
2177	133	-0.28	-3.70	-2.13	1.04e-03	0.0	2.40e-05
2177	136	3.27	5.13	-0.77	-1.22e-03	0.0	-2.17e-04
2177	147	-6.56	-4.11	-0.90	8.81e-04	0.0	4.09e-04
2177	165	-0.32	-4.17	-2.24	1.16e-03	0.0	2.70e-05
2177	168	3.69	5.78	-0.70	-1.38e-03	0.0	-2.46e-04
2177	179	-6.59	-4.09	-0.92	8.63e-04	0.0	4.08e-04
2177	197	-0.34	-4.14	-2.22	1.15e-03	0.0	2.80e-05
2177	200	3.78	5.77	-0.71	-1.36e-03	0.0	-2.49e-04
2177	211	-7.77	-4.79	-0.86	9.96e-04	0.0	4.78e-04
2177	229	-0.41	-4.83	-2.37	1.34e-03	0.0	3.40e-05
2177	232	4.52	6.77	-0.61	-1.60e-03	0.0	-2.99e-04
2178	28	0.11	-0.62	-2.26	1.46e-04	0.0	-3.55e-06
2178	44	0.10	-0.98	-2.08	1.94e-04	0.0	-6.60e-06
2178	52	0.11	-0.05	-2.20	6.19e-05	0.0	0.0
2178	80	0.08	-0.41	-1.61	9.94e-05	0.0	-2.40e-06
2178	88	0.07	-0.66	-1.49	1.31e-04	0.0	-4.43e-06
2178	92	0.08	-0.04	-1.57	4.34e-05	0.0	0.0
2178	98	0.06	-0.03	-1.35	3.56e-05	0.0	0.0
2178	105	0.06	-0.15	-1.32	5.25e-05	0.0	0.0
2178	107	0.06	-0.03	-1.31	3.39e-05	0.0	0.0
2178	112	6.89	4.38	-1.66	-6.63e-04	0.0	-4.09e-04
2178	133	-0.29	-4.78	-2.13	9.72e-04	0.0	2.76e-05
2178	139	-3.79	-6.44	-1.84	1.20e-03	0.0	2.52e-04
2178	144	7.76	4.94	-1.71	-7.50e-04	0.0	-4.61e-04
2178	165	-0.34	-5.38	-2.24	1.09e-03	0.0	3.13e-05
2178	171	-4.29	-7.25	-1.91	1.35e-03	0.0	2.85e-04
2178	176	7.79	4.90	-1.69	-7.33e-04	0.0	-4.58e-04
2178	197	-0.36	-5.34	-2.22	1.08e-03	0.0	3.18e-05
2178	203	-4.38	-7.23	-1.90	1.34e-03	0.0	2.87e-04
2178	208	9.17	5.73	-1.76	-8.56e-04	0.0	-5.37e-04
2178	229	-0.44	-6.22	-2.37	1.26e-03	0.0	3.90e-05
2178	235	-5.24	-8.47	-2.00	1.56e-03	0.0	3.43e-04
2179	28	0.16	-0.69	-2.26	1.46e-04	0.0	-4.90e-06
2179	44	0.14	-1.08	-2.08	1.94e-04	0.0	-7.58e-06
2179	80	0.11	-0.46	-1.61	9.92e-05	0.0	-3.39e-06
2179	88	0.10	-0.73	-1.49	1.31e-04	0.0	-5.18e-06
2179	98	0.10	-0.05	-1.35	3.54e-05	0.0	0.0
2179	105	0.09	-0.18	-1.32	5.24e-05	0.0	-1.67e-06
2179	107	0.09	-0.05	-1.31	3.37e-05	0.0	0.0
2179	112	7.44	4.71	-1.66	-6.06e-04	0.0	-4.35e-04
2179	133	-0.30	-5.27	-2.13	9.06e-04	0.0	2.91e-05
2179	139	-4.04	-7.05	-1.84	1.12e-03	0.0	2.67e-04
2179	144	8.37	5.31	-1.71	-6.87e-04	0.0	-4.90e-04
2179	165	-0.35	-5.93	-2.24	1.02e-03	0.0	3.32e-05
2179	171	-4.58	-7.93	-1.91	1.25e-03	0.0	3.02e-04
2179	176	8.40	5.26	-1.69	-6.70e-04	0.0	-4.86e-04
2179	197	-0.37	-5.89	-2.22	1.01e-03	0.0	3.37e-05
2179	203	-4.67	-7.90	-1.90	1.24e-03	0.0	3.04e-04
2179	208	9.88	6.15	-1.76	-7.84e-04	0.0	-5.69e-04
2179	229	-0.46	-6.87	-2.37	1.17e-03	0.0	4.14e-05
2179	235	-5.59	-9.25	-2.00	1.45e-03	0.0	3.63e-04
2180	28	0.21	-0.77	-2.26	1.45e-04	0.0	-5.92e-06
2180	44	0.19	-1.19	-2.08	1.94e-04	0.0	-8.19e-06
2180	52	0.21	-0.12	-2.20	6.13e-05	0.0	-2.37e-06
2180	80	0.15	-0.52	-1.61	9.90e-05	0.0	-4.13e-06
2180	88	0.13	-0.79	-1.49	1.31e-04	0.0	-5.65e-06
2180	92	0.15	-0.08	-1.57	4.29e-05	0.0	-1.76e-06
2180	98	0.13	-0.07	-1.35	3.52e-05	0.0	-1.64e-06
2180	105	0.12	-0.21	-1.32	5.22e-05	0.0	-2.41e-06
2180	107	0.12	-0.06	-1.31	3.35e-05	0.0	-1.62e-06

2180	112	7.98	5.00	-1.66	-5.44e-04	0.0	-4.60e-04
2180	133	-0.30	-5.73	-2.13	8.35e-04	0.0	3.07e-05
2180	139	-4.30	-7.61	-1.84	1.02e-03	0.0	2.83e-04
2180	144	8.98	5.64	-1.71	-6.17e-04	0.0	-5.19e-04
2180	165	-0.36	-6.44	-2.24	9.35e-04	0.0	3.51e-05
2180	171	-4.87	-8.56	-1.91	1.15e-03	0.0	3.19e-04
2180	176	9.01	5.58	-1.69	-6.02e-04	0.0	-5.14e-04
2180	197	-0.38	-6.40	-2.22	9.28e-04	0.0	3.57e-05
2180	203	-4.97	-8.52	-1.90	1.14e-03	0.0	3.21e-04
2180	208	10.58	6.53	-1.76	-7.04e-04	0.0	-6.01e-04
2180	229	-0.48	-7.45	-2.37	1.08e-03	0.0	4.41e-05
2180	235	-5.95	-9.98	-2.00	1.32e-03	0.0	3.83e-04
2181	28	0.05	-0.54	-2.36	1.48e-04	0.0	-1.50e-06
2181	44	0.04	-0.88	-2.17	1.95e-04	0.0	-5.01e-06
2181	52	0.05	-0.02	-2.30	6.39e-05	0.0	3.11e-06
2181	80	0.03	-0.36	-1.68	1.01e-04	0.0	0.0
2181	88	0.03	-0.59	-1.56	1.32e-04	0.0	-3.25e-06
2181	92	0.03	-0.01	-1.64	4.47e-05	0.0	2.16e-06
2181	98	0.03	-0.01	-1.41	3.68e-05	0.0	1.75e-06
2181	105	0.03	-0.13	-1.37	5.36e-05	0.0	0.0
2181	107	0.03	-9.76e-03	-1.36	3.50e-05	0.0	1.65e-06
2181	112	6.35	3.84	-1.80	-6.76e-04	0.0	-3.83e-04
2181	133	-0.29	-4.30	-2.24	1.03e-03	0.0	2.62e-05
2181	139	-3.54	-5.72	-1.90	1.25e-03	0.0	2.37e-04
2181	144	7.15	4.32	-1.86	-7.65e-04	0.0	-4.32e-04
2181	165	-0.33	-4.84	-2.35	1.15e-03	0.0	2.96e-05
2181	171	-4.00	-6.45	-1.97	1.41e-03	0.0	2.68e-04
2181	176	7.19	4.29	-1.85	-7.48e-04	0.0	-4.29e-04
2181	197	-0.35	-4.80	-2.34	1.14e-03	0.0	3.02e-05
2181	203	-4.09	-6.42	-1.96	1.39e-03	0.0	2.71e-04
2181	208	8.46	5.02	-1.93	-8.74e-04	0.0	-5.04e-04
2181	229	-0.43	-5.60	-2.49	1.33e-03	0.0	3.68e-05
2181	235	-4.89	-7.52	-2.05	1.62e-03	0.0	3.23e-04
2182	16	-0.02	0.79	-1.44	-1.01e-04	0.0	1.08e-05
2182	18	-0.01	0.79	-1.97	-8.23e-05	0.0	1.21e-05
2182	28	-0.01	-0.46	-2.36	1.48e-04	0.0	0.0
2182	73	-0.01	0.53	-1.07	-6.52e-05	0.0	7.33e-06
2182	75	-0.01	0.53	-1.42	-5.27e-05	0.0	8.21e-06
2182	80	-9.38e-03	-0.31	-1.68	1.01e-04	0.0	0.0
2182	98	-7.76e-03	8.97e-03	-1.41	3.69e-05	0.0	2.68e-06
2182	102	-8.62e-03	0.11	-1.04	5.92e-06	0.0	2.87e-06
2182	103	-8.31e-03	0.11	-1.35	1.67e-05	0.0	3.63e-06
2182	106	-8.12e-03	6.95e-03	-1.06	2.44e-05	0.0	1.80e-06
2182	107	-7.81e-03	8.68e-03	-1.36	3.51e-05	0.0	2.56e-06
2182	115	-5.82	-3.47	-0.92	7.61e-04	0.0	3.63e-04
2182	133	-0.28	-3.75	-2.24	1.04e-03	0.0	2.42e-05
2182	136	3.27	5.07	-0.82	-1.21e-03	0.0	-2.17e-04
2182	147	-6.56	-3.91	-0.86	8.52e-04	0.0	4.09e-04
2182	165	-0.32	-4.22	-2.35	1.17e-03	0.0	2.73e-05
2182	168	3.69	5.71	-0.75	-1.36e-03	0.0	-2.46e-04
2182	179	-6.59	-3.88	-0.87	8.35e-04	0.0	4.08e-04
2182	197	-0.34	-4.18	-2.34	1.16e-03	0.0	2.82e-05
2182	200	3.78	5.69	-0.76	-1.35e-03	0.0	-2.49e-04
2182	211	-7.77	-4.55	-0.79	9.64e-04	0.0	4.78e-04
2182	229	-0.41	-4.88	-2.49	1.35e-03	0.0	3.42e-05
2182	232	4.52	6.67	-0.67	-1.58e-03	0.0	-2.98e-04
2183	28	0.11	-0.62	-2.36	1.47e-04	0.0	-2.83e-06
2183	44	0.09	-0.99	-2.17	1.95e-04	0.0	-6.04e-06
2183	52	0.11	-0.05	-2.30	6.36e-05	0.0	1.53e-06
2183	80	0.08	-0.41	-1.68	1.00e-04	0.0	-1.89e-06
2183	88	0.07	-0.66	-1.56	1.32e-04	0.0	-4.02e-06
2183	92	0.08	-0.04	-1.64	4.46e-05	0.0	1.03e-06
2183	98	0.06	-0.03	-1.41	3.66e-05	0.0	0.0
2183	105	0.06	-0.15	-1.37	5.35e-05	0.0	0.0
2183	107	0.06	-0.03	-1.36	3.49e-05	0.0	0.0
2183	112	6.89	4.17	-1.80	-6.35e-04	0.0	-4.09e-04
2183	133	-0.29	-4.83	-2.24	9.76e-04	0.0	2.82e-05
2183	139	-3.79	-6.37	-1.90	1.19e-03	0.0	2.53e-04
2183	144	7.76	4.70	-1.86	-7.19e-04	0.0	-4.61e-04
2183	165	-0.34	-5.43	-2.35	1.09e-03	0.0	3.20e-05
2183	171	-4.29	-7.17	-1.97	1.34e-03	0.0	2.86e-04
2183	176	7.79	4.66	-1.85	-7.03e-04	0.0	-4.58e-04
2183	197	-0.36	-5.39	-2.34	1.09e-03	0.0	3.24e-05
2183	203	-4.38	-7.14	-1.96	1.32e-03	0.0	2.88e-04
2183	208	9.17	5.46	-1.93	-8.22e-04	0.0	-5.37e-04

2183	229	-0.44	-6.28	-2.49	1.26e-03	0.0	3.95e-05
2183	235	-5.24	-8.36	-2.05	1.54e-03	0.0	3.44e-04
2184	28	0.16	-0.69	-2.36	1.47e-04	0.0	-4.04e-06
2184	44	0.14	-1.09	-2.17	1.95e-04	0.0	-6.91e-06
2184	80	0.11	-0.47	-1.68	1.00e-04	0.0	-2.76e-06
2184	88	0.10	-0.73	-1.56	1.32e-04	0.0	-4.68e-06
2184	98	0.10	-0.05	-1.41	3.64e-05	0.0	0.0
2184	105	0.09	-0.18	-1.37	5.32e-05	0.0	-1.11e-06
2184	107	0.09	-0.05	-1.36	3.47e-05	0.0	0.0
2184	112	7.44	4.49	-1.80	-5.78e-04	0.0	-4.35e-04
2184	133	-0.30	-5.33	-2.24	9.08e-04	0.0	2.98e-05
2184	139	-4.04	-6.97	-1.90	1.10e-03	0.0	2.68e-04
2184	144	8.37	5.06	-1.86	-6.55e-04	0.0	-4.90e-04
2184	165	-0.35	-5.99	-2.35	1.02e-03	0.0	3.39e-05
2184	171	-4.58	-7.84	-1.97	1.24e-03	0.0	3.03e-04
2184	176	8.40	5.01	-1.85	-6.40e-04	0.0	-4.85e-04
2184	197	-0.37	-5.94	-2.34	1.01e-03	0.0	3.43e-05
2184	203	-4.67	-7.81	-1.96	1.23e-03	0.0	3.05e-04
2184	208	9.88	5.86	-1.93	-7.48e-04	0.0	-5.69e-04
2184	229	-0.46	-6.93	-2.49	1.17e-03	0.0	4.19e-05
2184	235	-5.59	-9.14	-2.05	1.43e-03	0.0	3.63e-04
2185	28	0.21	-0.77	-2.36	1.46e-04	0.0	-5.07e-06
2185	44	0.19	-1.19	-2.17	1.94e-04	0.0	-7.55e-06
2185	52	0.21	-0.12	-2.30	6.28e-05	0.0	-1.38e-06
2185	80	0.15	-0.52	-1.68	9.97e-05	0.0	-3.53e-06
2185	88	0.14	-0.80	-1.56	1.32e-04	0.0	-5.18e-06
2185	92	0.15	-0.08	-1.64	4.40e-05	0.0	-1.06e-06
2185	98	0.13	-0.07	-1.41	3.61e-05	0.0	-1.05e-06
2185	105	0.12	-0.21	-1.37	5.30e-05	0.0	-1.87e-06
2185	107	0.12	-0.06	-1.36	3.44e-05	0.0	-1.05e-06
2185	112	8.00	4.76	-1.80	-5.16e-04	0.0	-4.60e-04
2185	133	-0.30	-5.78	-2.24	8.33e-04	0.0	3.13e-05
2185	139	-4.31	-7.52	-1.90	1.01e-03	0.0	2.83e-04
2185	144	9.00	5.37	-1.86	-5.85e-04	0.0	-5.18e-04
2185	165	-0.36	-6.50	-2.35	9.33e-04	0.0	3.57e-05
2185	171	-4.89	-8.46	-1.97	1.13e-03	0.0	3.20e-04
2185	176	9.03	5.32	-1.84	-5.71e-04	0.0	-5.13e-04
2185	197	-0.38	-6.45	-2.33	9.26e-04	0.0	3.62e-05
2185	203	-4.98	-8.42	-1.96	1.12e-03	0.0	3.22e-04
2185	208	10.61	6.23	-1.92	-6.69e-04	0.0	-6.01e-04
2185	229	-0.48	-7.51	-2.49	1.07e-03	0.0	4.45e-05
2185	235	-5.97	-9.85	-2.05	1.30e-03	0.0	3.84e-04
2186	28	0.05	-0.54	-2.44	1.49e-04	0.0	-1.22e-06
2186	44	0.04	-0.89	-2.24	1.96e-04	0.0	-4.77e-06
2186	52	0.05	-0.02	-2.38	6.54e-05	0.0	3.42e-06
2186	80	0.03	-0.36	-1.74	1.01e-04	0.0	0.0
2186	88	0.03	-0.59	-1.61	1.33e-04	0.0	-3.08e-06
2186	92	0.03	-0.01	-1.70	4.58e-05	0.0	2.38e-06
2186	98	0.03	-9.35e-03	-1.46	3.77e-05	0.0	1.94e-06
2186	105	0.03	-0.12	-1.42	5.45e-05	0.0	0.0
2186	107	0.03	-8.75e-03	-1.40	3.59e-05	0.0	1.83e-06
2186	112	6.35	3.64	-1.94	-6.49e-04	0.0	-3.83e-04
2186	113	5.13	0.65	-2.37	1.34e-05	0.0	-3.06e-04
2186	139	-3.54	-5.66	-1.95	1.25e-03	0.0	2.37e-04
2186	144	7.16	4.11	-2.01	-7.35e-04	0.0	-4.32e-04
2186	145	5.78	0.74	-2.49	1.04e-05	0.0	-3.45e-04
2186	171	-4.00	-6.37	-2.02	1.40e-03	0.0	2.68e-04
2186	176	7.19	4.07	-2.00	-7.18e-04	0.0	-4.29e-04
2186	177	5.80	0.73	-2.47	1.92e-05	0.0	-3.42e-04
2186	203	-4.09	-6.34	-2.01	1.38e-03	0.0	2.71e-04
2186	208	8.47	4.77	-2.10	-8.40e-04	0.0	-5.04e-04
2186	209	6.82	0.87	-2.65	1.95e-05	0.0	-4.01e-04
2186	235	-4.89	-7.42	-2.10	1.61e-03	0.0	3.23e-04
2187	16	-0.01	0.79	-1.48	-9.99e-05	0.0	1.09e-05
2187	18	-0.01	0.80	-2.04	-8.08e-05	0.0	1.23e-05
2187	28	-0.01	-0.46	-2.44	1.49e-04	0.0	0.0
2187	73	-0.01	0.53	-1.10	-6.43e-05	0.0	7.44e-06
2187	75	-0.01	0.53	-1.47	-5.16e-05	0.0	8.40e-06
2187	80	-8.74e-03	-0.31	-1.74	1.01e-04	0.0	0.0
2187	98	-7.19e-03	0.01	-1.46	3.78e-05	0.0	2.97e-06
2187	102	-8.18e-03	0.11	-1.07	6.65e-06	0.0	3.06e-06
2187	103	-7.76e-03	0.11	-1.39	1.76e-05	0.0	3.88e-06
2187	106	-7.68e-03	8.00e-03	-1.08	2.51e-05	0.0	2.01e-06
2187	107	-7.26e-03	0.01	-1.40	3.60e-05	0.0	2.83e-06
2187	113	4.69	0.67	-2.37	1.12e-05	0.0	-2.86e-04

2187	115	-5.81	-3.29	-0.87	7.35e-04	0.0	3.64e-04
2187	136	3.26	5.01	-0.86	-1.20e-03	0.0	-2.17e-04
2187	145	5.29	0.75	-2.49	7.91e-06	0.0	-3.23e-04
2187	147	-6.55	-3.70	-0.80	8.23e-04	0.0	4.09e-04
2187	168	3.69	5.64	-0.79	-1.35e-03	0.0	-2.45e-04
2187	177	5.30	0.75	-2.47	1.69e-05	0.0	-3.21e-04
2187	179	-6.59	-3.68	-0.81	8.06e-04	0.0	4.08e-04
2187	200	3.78	5.62	-0.80	-1.34e-03	0.0	-2.49e-04
2187	209	6.24	0.89	-2.65	1.69e-05	0.0	-3.77e-04
2187	211	-7.76	-4.31	-0.71	9.31e-04	0.0	4.79e-04
2187	232	4.52	6.58	-0.71	-1.57e-03	0.0	-2.98e-04
2188	28	0.11	-0.62	-2.44	1.49e-04	0.0	-2.53e-06
2188	44	0.09	-0.99	-2.24	1.96e-04	0.0	-5.82e-06
2188	52	0.11	-0.05	-2.38	6.51e-05	0.0	1.90e-06
2188	80	0.08	-0.41	-1.74	1.01e-04	0.0	-1.67e-06
2188	88	0.07	-0.66	-1.61	1.33e-04	0.0	-3.86e-06
2188	92	0.08	-0.04	-1.70	4.57e-05	0.0	1.29e-06
2188	98	0.06	-0.03	-1.46	3.76e-05	0.0	0.0
2188	105	0.06	-0.15	-1.42	5.43e-05	0.0	0.0
2188	107	0.06	-0.03	-1.40	3.58e-05	0.0	0.0
2188	112	6.89	3.97	-1.94	-6.08e-04	0.0	-4.09e-04
2188	113	5.57	0.64	-2.37	1.93e-05	0.0	-3.26e-04
2188	139	-3.79	-6.30	-1.95	1.18e-03	0.0	2.53e-04
2188	144	7.76	4.47	-2.01	-6.89e-04	0.0	-4.61e-04
2188	145	6.27	0.72	-2.49	1.71e-05	0.0	-3.68e-04
2188	171	-4.29	-7.09	-2.02	1.33e-03	0.0	2.86e-04
2188	176	7.79	4.43	-2.00	-6.74e-04	0.0	-4.58e-04
2188	177	6.29	0.72	-2.47	2.54e-05	0.0	-3.65e-04
2188	203	-4.38	-7.05	-2.01	1.31e-03	0.0	2.88e-04
2188	208	9.17	5.19	-2.10	-7.88e-04	0.0	-5.37e-04
2188	209	7.39	0.85	-2.65	2.66e-05	0.0	-4.27e-04
2188	235	-5.24	-8.25	-2.10	1.53e-03	0.0	3.44e-04
2189	28	0.16	-0.70	-2.44	1.48e-04	0.0	-3.64e-06
2189	44	0.14	-1.09	-2.24	1.95e-04	0.0	-6.64e-06
2189	80	0.11	-0.47	-1.74	1.01e-04	0.0	-2.47e-06
2189	88	0.10	-0.73	-1.61	1.33e-04	0.0	-4.48e-06
2189	98	0.10	-0.05	-1.46	3.74e-05	0.0	0.0
2189	105	0.09	-0.18	-1.42	5.41e-05	0.0	0.0
2189	107	0.09	-0.05	-1.40	3.56e-05	0.0	0.0
2189	112	7.43	4.27	-1.94	-5.50e-04	0.0	-4.33e-04
2189	113	6.01	0.62	-2.37	2.78e-05	0.0	-3.45e-04
2189	139	-4.04	-6.89	-1.95	1.09e-03	0.0	2.68e-04
2189	144	8.37	4.81	-2.01	-6.24e-04	0.0	-4.88e-04
2189	145	6.76	0.70	-2.49	2.67e-05	0.0	-3.89e-04
2189	171	-4.58	-7.76	-2.02	1.22e-03	0.0	3.03e-04
2189	176	8.40	4.77	-2.00	-6.09e-04	0.0	-4.84e-04
2189	177	6.77	0.69	-2.47	3.42e-05	0.0	-3.85e-04
2189	203	-4.67	-7.71	-2.01	1.21e-03	0.0	3.05e-04
2189	208	9.88	5.58	-2.10	-7.13e-04	0.0	-5.67e-04
2189	209	7.96	0.83	-2.65	3.66e-05	0.0	-4.50e-04
2189	235	-5.59	-9.02	-2.10	1.41e-03	0.0	3.63e-04
2190	28	0.21	-0.77	-2.45	1.48e-04	0.0	-4.57e-06
2190	44	0.19	-1.19	-2.24	1.95e-04	0.0	-7.26e-06
2190	52	0.21	-0.12	-2.39	6.44e-05	0.0	0.0
2190	80	0.15	-0.52	-1.74	1.01e-04	0.0	-3.16e-06
2190	88	0.14	-0.80	-1.61	1.32e-04	0.0	-4.95e-06
2190	92	0.15	-0.08	-1.70	4.52e-05	0.0	0.0
2190	98	0.13	-0.07	-1.46	3.72e-05	0.0	0.0
2190	105	0.13	-0.21	-1.42	5.38e-05	0.0	-1.50e-06
2190	107	0.13	-0.06	-1.40	3.54e-05	0.0	0.0
2190	112	8.03	4.53	-1.95	-4.86e-04	0.0	-4.57e-04
2190	113	6.49	0.60	-2.38	3.71e-05	0.0	-3.64e-04
2190	139	-4.32	-7.43	-1.95	9.89e-04	0.0	2.82e-04
2190	144	9.03	5.11	-2.01	-5.51e-04	0.0	-5.14e-04
2190	145	7.30	0.68	-2.50	3.72e-05	0.0	-4.09e-04
2190	171	-4.90	-8.36	-2.02	1.11e-03	0.0	3.19e-04
2190	176	9.06	5.06	-2.00	-5.38e-04	0.0	-5.09e-04
2190	177	7.31	0.67	-2.48	4.38e-05	0.0	-4.05e-04
2190	203	-5.00	-8.32	-2.01	1.10e-03	0.0	3.20e-04
2190	208	10.65	5.92	-2.10	-6.31e-04	0.0	-5.96e-04
2190	209	8.58	0.80	-2.66	4.75e-05	0.0	-4.73e-04
2190	235	-5.98	-9.72	-2.10	1.27e-03	0.0	3.81e-04
2191	28	0.05	-0.54	-2.51	1.50e-04	0.0	-1.14e-06
2191	44	0.04	-0.89	-2.30	1.98e-04	0.0	-4.70e-06
2191	52	0.05	-0.02	-2.45	6.71e-05	0.0	3.49e-06

2191	80	0.03	-0.36	-1.79	1.03e-04	0.0	0.0
2191	88	0.03	-0.59	-1.65	1.34e-04	0.0	-3.03e-06
2191	92	0.03	-0.01	-1.75	4.71e-05	0.0	2.43e-06
2191	98	0.03	-8.22e-03	-1.50	3.89e-05	0.0	1.98e-06
2191	105	0.03	-0.12	-1.45	5.55e-05	0.0	0.0
2191	107	0.03	-7.69e-03	-1.44	3.70e-05	0.0	1.88e-06
2191	112	6.35	3.45	-2.19	-6.24e-04	0.0	-3.83e-04
2191	113	5.13	0.47	-2.67	3.82e-05	0.0	-3.06e-04
2191	139	-3.54	-5.59	-2.01	1.24e-03	0.0	2.37e-04
2191	144	7.16	3.89	-2.29	-7.07e-04	0.0	-4.32e-04
2191	145	5.78	0.53	-2.82	3.82e-05	0.0	-3.45e-04
2191	171	-4.00	-6.29	-2.07	1.39e-03	0.0	2.68e-04
2191	176	7.19	3.86	-2.27	-6.91e-04	0.0	-4.29e-04
2191	177	5.80	0.52	-2.80	4.59e-05	0.0	-3.42e-04
2191	203	-4.09	-6.26	-2.06	1.38e-03	0.0	2.71e-04
2191	208	8.47	4.51	-2.41	-8.09e-04	0.0	-5.04e-04
2191	209	6.82	0.63	-3.03	5.01e-05	0.0	-4.01e-04
2191	235	-4.89	-7.32	-2.15	1.60e-03	0.0	3.23e-04
2192	16	-0.01	0.80	-1.52	-9.86e-05	0.0	1.10e-05
2192	18	-0.01	0.80	-2.10	-7.90e-05	0.0	1.26e-05
2192	28	-0.01	-0.46	-2.51	1.51e-04	0.0	0.0
2192	73	-0.01	0.53	-1.12	-6.33e-05	0.0	7.57e-06
2192	75	-9.91e-03	0.54	-1.51	-5.03e-05	0.0	8.61e-06
2192	80	-8.29e-03	-0.31	-1.79	1.03e-04	0.0	0.0
2192	98	-6.82e-03	0.01	-1.50	3.92e-05	0.0	3.30e-06
2192	102	-7.90e-03	0.11	-1.09	7.68e-06	0.0	3.28e-06
2192	103	-7.40e-03	0.12	-1.43	1.89e-05	0.0	4.17e-06
2192	106	-7.39e-03	9.34e-03	-1.11	2.61e-05	0.0	2.26e-06
2192	107	-6.90e-03	0.01	-1.44	3.73e-05	0.0	3.15e-06
2192	113	4.69	0.49	-2.68	3.67e-05	0.0	-2.86e-04
2192	115	-5.81	-3.10	-0.68	7.12e-04	0.0	3.64e-04
2192	136	3.26	4.95	-0.87	-1.19e-03	0.0	-2.16e-04
2192	145	5.28	0.56	-2.83	3.65e-05	0.0	-3.23e-04
2192	147	-6.55	-3.50	-0.59	7.97e-04	0.0	4.10e-04
2192	168	3.69	5.57	-0.80	-1.34e-03	0.0	-2.45e-04
2192	177	5.30	0.56	-2.81	4.44e-05	0.0	-3.21e-04
2192	179	-6.58	-3.47	-0.60	7.81e-04	0.0	4.08e-04
2192	200	3.78	5.54	-0.82	-1.33e-03	0.0	-2.48e-04
2192	209	6.24	0.66	-3.04	4.84e-05	0.0	-3.77e-04
2192	211	-7.76	-4.06	-0.46	9.01e-04	0.0	4.79e-04
2192	232	4.52	6.49	-0.73	-1.56e-03	0.0	-2.97e-04
2193	28	0.11	-0.62	-2.51	1.50e-04	0.0	-2.49e-06
2193	44	0.09	-0.99	-2.30	1.97e-04	0.0	-5.78e-06
2193	52	0.11	-0.05	-2.45	6.65e-05	0.0	1.96e-06
2193	80	0.08	-0.41	-1.79	1.02e-04	0.0	-1.64e-06
2193	88	0.07	-0.66	-1.65	1.34e-04	0.0	-3.83e-06
2193	92	0.08	-0.04	-1.75	4.66e-05	0.0	1.33e-06
2193	98	0.06	-0.03	-1.50	3.85e-05	0.0	1.02e-06
2193	105	0.06	-0.15	-1.45	5.51e-05	0.0	0.0
2193	107	0.06	-0.03	-1.44	3.66e-05	0.0	0.0
2193	112	6.90	3.76	-2.17	-5.85e-04	0.0	-4.09e-04
2193	113	5.57	0.44	-2.64	4.26e-05	0.0	-3.26e-04
2193	139	-3.79	-6.23	-2.00	1.18e-03	0.0	2.53e-04
2193	144	7.76	4.24	-2.26	-6.63e-04	0.0	-4.61e-04
2193	145	6.27	0.50	-2.79	4.32e-05	0.0	-3.67e-04
2193	171	-4.29	-7.01	-2.07	1.32e-03	0.0	2.86e-04
2193	176	7.80	4.20	-2.25	-6.49e-04	0.0	-4.58e-04
2193	177	6.29	0.49	-2.77	5.05e-05	0.0	-3.64e-04
2193	203	-4.38	-6.97	-2.06	1.31e-03	0.0	2.88e-04
2193	208	9.17	4.92	-2.39	-7.59e-04	0.0	-5.37e-04
2193	209	7.39	0.59	-2.99	5.53e-05	0.0	-4.27e-04
2193	235	-5.24	-8.15	-2.15	1.52e-03	0.0	3.44e-04
2194	28	0.16	-0.70	-2.51	1.49e-04	0.0	-3.56e-06
2194	44	0.14	-1.10	-2.30	1.96e-04	0.0	-6.60e-06
2194	80	0.11	-0.47	-1.79	1.02e-04	0.0	-2.41e-06
2194	88	0.10	-0.73	-1.65	1.33e-04	0.0	-4.44e-06
2194	98	0.10	-0.05	-1.49	3.81e-05	0.0	0.0
2194	105	0.09	-0.18	-1.45	5.47e-05	0.0	0.0
2194	107	0.09	-0.05	-1.44	3.63e-05	0.0	0.0
2194	112	7.43	4.05	-2.13	-5.29e-04	0.0	-4.33e-04
2194	113	6.00	0.41	-2.60	4.94e-05	0.0	-3.45e-04
2194	139	-4.04	-6.82	-2.00	1.08e-03	0.0	2.68e-04
2194	144	8.36	4.57	-2.22	-6.00e-04	0.0	-4.88e-04
2194	145	6.75	0.46	-2.74	5.09e-05	0.0	-3.88e-04
2194	171	-4.57	-7.67	-2.07	1.22e-03	0.0	3.03e-04

2194	176	8.39	4.52	-2.21	-5.86e-04	0.0	-4.83e-04
2194	177	6.77	0.46	-2.72	5.74e-05	0.0	-3.85e-04
2194	203	-4.67	-7.63	-2.05	1.20e-03	0.0	3.04e-04
2194	208	9.87	5.29	-2.34	-6.86e-04	0.0	-5.67e-04
2194	209	7.95	0.55	-2.94	6.33e-05	0.0	-4.50e-04
2194	235	-5.59	-8.92	-2.14	1.40e-03	0.0	3.63e-04
2195	28	0.22	-0.78	-2.51	1.49e-04	0.0	-4.26e-06
2195	44	0.20	-1.20	-2.30	1.95e-04	0.0	-7.16e-06
2195	52	0.22	-0.12	-2.45	6.60e-05	0.0	0.0
2195	80	0.15	-0.52	-1.79	1.01e-04	0.0	-2.91e-06
2195	88	0.14	-0.80	-1.65	1.33e-04	0.0	-4.85e-06
2195	92	0.15	-0.08	-1.75	4.63e-05	0.0	0.0
2195	98	0.13	-0.07	-1.49	3.81e-05	0.0	0.0
2195	105	0.13	-0.21	-1.45	5.47e-05	0.0	-1.19e-06
2195	107	0.13	-0.07	-1.44	3.63e-05	0.0	0.0
2195	112	8.07	4.31	-2.08	-4.56e-04	0.0	-4.54e-04
2195	113	6.52	0.37	-2.53	5.84e-05	0.0	-3.61e-04
2195	139	-4.34	-7.36	-1.99	9.67e-04	0.0	2.81e-04
2195	144	9.08	4.86	-2.16	-5.18e-04	0.0	-5.11e-04
2195	145	7.33	0.43	-2.67	6.11e-05	0.0	-4.06e-04
2195	171	-4.92	-8.28	-2.06	1.08e-03	0.0	3.18e-04
2195	176	9.11	4.81	-2.15	-5.06e-04	0.0	-5.06e-04
2195	177	7.35	0.42	-2.65	6.66e-05	0.0	-4.02e-04
2195	203	-5.01	-8.23	-2.04	1.07e-03	0.0	3.19e-04
2195	208	10.70	5.62	-2.27	-5.93e-04	0.0	-5.93e-04
2195	209	8.62	0.51	-2.85	7.36e-05	0.0	-4.70e-04
2195	235	-6.01	-9.61	-2.13	1.25e-03	0.0	3.80e-04
2196	28	0.25	-0.78	-0.96	1.37e-04	7.07e-05	-6.70e-06
2196	44	0.22	-1.23	-0.90	1.88e-04	5.95e-05	-5.62e-06
2196	80	0.18	-0.52	-0.68	9.28e-05	4.88e-05	-4.61e-06
2196	88	0.16	-0.82	-0.63	1.27e-04	4.13e-05	-3.89e-06
2196	98	0.15	-0.05	-0.54	2.85e-05	3.95e-05	-3.69e-06
2196	105	0.14	-0.20	-0.53	4.62e-05	3.69e-05	-3.44e-06
2196	107	0.14	-0.05	-0.51	2.70e-05	3.71e-05	-3.46e-06
2196	112	8.34	7.16	0.04	2.58e-04	8.30e-04	-4.79e-04
2196	135	-4.75	-8.71	-1.12	9.09e-04	-4.46e-04	2.86e-04
2196	139	-4.47	-8.77	-1.12	1.24e-03	-4.08e-04	2.95e-04
2196	144	9.38	8.07	0.11	2.87e-04	9.31e-04	-5.39e-04
2196	171	-5.07	-9.88	-1.19	1.39e-03	-4.65e-04	3.33e-04
2196	176	9.41	8.00	0.10	2.68e-04	9.26e-04	-5.33e-04
2196	203	-5.17	-9.88	-1.19	1.38e-03	-4.67e-04	3.35e-04
2196	208	11.05	9.36	0.21	3.01e-04	1.08e-03	-6.24e-04
2196	235	-6.19	-11.61	-1.32	1.61e-03	-5.60e-04	4.00e-04
2197	28	0.25	-0.79	-1.16	1.47e-04	0.0	-1.52e-05
2197	44	0.22	-1.23	-1.09	1.96e-04	0.0	-1.30e-05
2197	80	0.18	-0.53	-0.82	9.99e-05	0.0	-1.07e-05
2197	88	0.16	-0.82	-0.77	1.33e-04	0.0	-9.26e-06
2197	98	0.15	-0.06	-0.67	3.52e-05	0.0	-9.21e-06
2197	105	0.14	-0.21	-0.65	5.25e-05	0.0	-8.70e-06
2197	107	0.14	-0.05	-0.64	3.35e-05	0.0	-8.77e-06
2197	112	8.34	6.93	-0.22	-7.52e-04	0.0	-3.73e-04
2197	139	-4.47	-8.70	-1.22	1.16e-03	0.0	-3.38e-05
2197	144	9.38	7.81	-0.17	-8.51e-04	0.0	-4.19e-04
2197	171	-5.07	-9.80	-1.30	1.30e-03	0.0	-3.67e-05
2197	176	9.41	7.74	-0.18	-8.30e-04	0.0	-4.14e-04
2197	203	-5.17	-9.80	-1.29	1.29e-03	0.0	-3.17e-05
2197	208	11.06	9.06	-0.10	-9.68e-04	0.0	-4.82e-04
2197	235	-6.19	-11.50	-1.40	1.51e-03	0.0	-3.20e-05
2198	28	0.27	-0.83	-1.03	1.55e-04	6.61e-05	-4.66e-05
2198	44	0.24	-1.30	-0.96	2.01e-04	5.65e-05	-4.11e-05
2198	80	0.19	-0.55	-0.72	1.06e-04	4.62e-05	-3.46e-05
2198	88	0.17	-0.87	-0.68	1.36e-04	3.98e-05	-3.09e-05
2198	98	0.16	-0.05	-0.58	4.21e-05	3.83e-05	-3.39e-05
2198	105	0.15	-0.21	-0.57	5.83e-05	3.61e-05	-3.23e-05
2198	107	0.15	-0.05	-0.55	4.00e-05	3.64e-05	-3.33e-05
2198	112	8.74	7.60	0.01	-7.52e-04	7.03e-04	-5.53e-04
2198	135	-4.98	-9.35	-1.17	1.15e-03	-3.63e-04	3.05e-04
2198	139	-4.69	-9.42	-1.17	1.15e-03	-3.31e-04	3.14e-04
2198	144	9.83	8.57	0.08	-8.51e-04	7.88e-04	-6.19e-04
2198	171	-5.32	-10.60	-1.25	1.29e-03	-3.78e-04	3.59e-04
2198	176	9.86	8.48	0.08	-8.30e-04	7.84e-04	-6.08e-04
2198	203	-5.41	-10.60	-1.25	1.28e-03	-3.81e-04	3.61e-04
2198	208	11.58	9.93	0.19	-9.70e-04	1.14e-04	-7.03e-04
2198	235	-6.48	-12.45	-1.38	1.50e-03	-4.59e-04	4.35e-04
2199	28	0.28	-0.87	-1.18	1.60e-04	0.0	-3.41e-05

2199	44	0.24	-1.33	-1.10	2.06e-04	0.0	-2.91e-05
2199	52	0.28	-0.14	-1.12	7.70e-05	0.0	-3.60e-05
2199	80	0.19	-0.58	-0.84	1.10e-04	0.0	-2.45e-05
2199	88	0.17	-0.89	-0.78	1.40e-04	0.0	-2.11e-05
2199	92	0.19	-0.10	-0.80	5.40e-05	0.0	-2.57e-05
2199	98	0.16	-0.08	-0.68	4.47e-05	0.0	-2.23e-05
2199	105	0.15	-0.24	-0.66	6.10e-05	0.0	-2.11e-05
2199	107	0.15	-0.07	-0.65	4.25e-05	0.0	-2.15e-05
2199	112	8.73	7.28	-0.23	-7.09e-04	0.0	-5.40e-04
2199	139	-4.68	-9.26	-1.24	1.12e-03	0.0	3.15e-04
2199	144	9.82	8.21	-0.17	-8.03e-04	0.0	-6.05e-04
2199	171	-5.30	-10.43	-1.31	1.25e-03	0.0	3.58e-04
2199	176	9.85	8.13	-0.18	-7.83e-04	0.0	-5.97e-04
2199	203	-5.40	-10.42	-1.31	1.25e-03	0.0	3.61e-04
2199	208	11.56	9.52	-0.10	-9.16e-04	0.0	-6.94e-04
2199	235	-6.47	-12.23	-1.42	1.45e-03	0.0	4.33e-04
2200	28	0.32	-0.95	-1.15	2.43e-04	1.26e-04	-7.95e-06
2200	44	0.28	-1.44	-1.06	2.59e-04	1.22e-04	-7.12e-06
2200	52	0.32	-0.18	-1.08	1.82e-04	1.30e-04	-7.93e-06
2200	80	0.22	-0.64	-0.81	1.69e-04	9.42e-05	-5.64e-06
2200	88	0.20	-0.96	-0.75	1.79e-04	9.15e-05	-5.09e-06
2200	92	0.22	-0.13	-0.77	1.28e-04	9.67e-05	-5.63e-06
2200	98	0.19	-0.10	-0.64	1.09e-04	8.74e-05	-4.75e-06
2200	105	0.18	-0.27	-0.63	1.17e-04	8.62e-05	-4.56e-06
2200	107	0.18	-0.10	-0.62	1.03e-04	8.71e-05	-4.56e-06
2200	112	9.02	7.89	-0.04	-4.24e-04	5.04e-04	-5.63e-04
2200	135	-5.10	-9.86	-1.25	8.19e-04	-1.48e-04	3.39e-04
2200	139	-4.79	-9.93	-1.25	8.24e-04	-1.29e-04	3.48e-04
2200	144	10.15	8.90	0.03	-4.91e-04	5.57e-04	-6.34e-04
2200	171	-5.44	-11.18	-1.33	9.15e-04	-1.57e-04	3.94e-04
2200	176	10.17	8.80	0.03	-4.81e-04	5.56e-04	-6.27e-04
2200	203	-5.54	-11.17	-1.34	9.11e-04	-1.61e-04	3.98e-04
2200	208	11.95	10.31	0.14	-5.78e-04	6.39e-04	-7.34e-04
2200	235	-6.64	-13.11	-1.47	1.05e-03	-2.09e-04	4.76e-04
2201	28	0.32	-0.96	-1.21	1.39e-04	0.0	-6.34e-06
2201	44	0.28	-1.44	-1.13	1.66e-04	0.0	-7.19e-06
2201	52	0.32	-0.19	-1.15	8.19e-05	0.0	-4.61e-06
2201	80	0.22	-0.64	-0.86	9.51e-05	0.0	-4.49e-06
2201	88	0.20	-0.97	-0.80	1.12e-04	0.0	-5.06e-06
2201	92	0.22	-0.13	-0.82	5.68e-05	0.0	-3.34e-06
2201	98	0.19	-0.11	-0.69	4.60e-05	0.0	-2.89e-06
2201	105	0.18	-0.27	-0.68	5.61e-05	0.0	-3.21e-06
2201	107	0.18	-0.10	-0.66	4.33e-05	0.0	-2.82e-06
2201	112	9.02	7.61	-0.24	1.33e-04	0.0	-5.36e-04
2201	139	-4.79	-9.81	-1.26	7.46e-04	0.0	3.31e-04
2201	144	10.15	8.59	-0.19	1.45e-04	0.0	-6.04e-04
2201	171	-5.44	-11.04	-1.33	8.34e-04	0.0	3.75e-04
2201	176	10.17	8.50	-0.20	1.33e-04	0.0	-5.97e-04
2201	203	-5.54	-11.03	-1.33	8.24e-04	0.0	3.77e-04
2201	208	11.94	9.95	-0.12	1.43e-04	0.0	-6.98e-04
2201	235	-6.64	-12.94	-1.44	9.56e-04	0.0	4.50e-04
2202	28	0.25	-0.80	-1.38	1.50e-04	0.0	-1.81e-05
2202	44	0.22	-1.24	-1.29	1.99e-04	0.0	-1.61e-05
2202	52	0.25	-0.12	-1.32	6.44e-05	0.0	-1.79e-05
2202	80	0.18	-0.54	-0.98	1.02e-04	0.0	-1.28e-05
2202	88	0.16	-0.83	-0.92	1.35e-04	0.0	-1.14e-05
2202	92	0.18	-0.08	-0.94	4.52e-05	0.0	-1.27e-05
2202	98	0.15	-0.07	-0.81	3.72e-05	0.0	-1.08e-05
2202	105	0.14	-0.21	-0.79	5.45e-05	0.0	-1.04e-05
2202	107	0.14	-0.06	-0.78	3.54e-05	0.0	-1.03e-05
2202	112	8.34	6.69	-0.85	-6.97e-04	0.0	-4.67e-04
2202	139	-4.47	-8.62	-1.37	1.11e-03	0.0	2.76e-04
2202	144	9.39	7.55	-0.86	-7.89e-04	0.0	-5.25e-04
2202	171	-5.07	-9.70	-1.45	1.24e-03	0.0	3.13e-04
2202	176	9.41	7.47	-0.85	-7.69e-04	0.0	-5.19e-04
2202	203	-5.17	-9.70	-1.44	1.23e-03	0.0	3.14e-04
2202	208	11.06	8.75	-0.86	-8.99e-04	0.0	-6.06e-04
2202	235	-6.19	-11.38	-1.55	1.44e-03	0.0	3.76e-04
2203	28	0.28	-0.88	-1.39	1.56e-04	0.0	-2.07e-05
2203	44	0.24	-1.34	-1.29	2.04e-04	0.0	-1.86e-05
2203	52	0.28	-0.15	-1.33	7.15e-05	0.0	-2.04e-05
2203	80	0.20	-0.59	-0.99	1.07e-04	0.0	-1.47e-05
2203	88	0.17	-0.90	-0.92	1.38e-04	0.0	-1.33e-05
2203	92	0.20	-0.11	-0.95	5.02e-05	0.0	-1.45e-05
2203	98	0.16	-0.09	-0.81	4.15e-05	0.0	-1.25e-05

2203	105	0.16	-0.24	-0.79	5.83e-05	0.0	-1.20e-05
2203	107	0.16	-0.08	-0.78	3.95e-05	0.0	-1.20e-05
2203	112	8.72	7.02	-0.85	-6.67e-04	0.0	-5.09e-04
2203	139	-4.67	-9.16	-1.37	1.08e-03	0.0	2.99e-04
2203	144	9.81	7.92	-0.86	-7.56e-04	0.0	-5.72e-04
2203	171	-5.29	-10.31	-1.45	1.21e-03	0.0	3.39e-04
2203	176	9.84	7.83	-0.85	-7.37e-04	0.0	-5.65e-04
2203	203	-5.39	-10.29	-1.44	1.20e-03	0.0	3.42e-04
2203	208	11.55	9.17	-0.86	-8.62e-04	0.0	-6.59e-04
2203	235	-6.46	-12.08	-1.55	1.40e-03	0.0	4.09e-04
2204	28	0.32	-0.96	-1.40	1.16e-04	0.0	-6.14e-06
2204	44	0.28	-1.45	-1.30	1.44e-04	0.0	-7.30e-06
2204	52	0.32	-0.19	-1.34	6.10e-05	0.0	-4.07e-06
2204	80	0.22	-0.65	-0.99	7.88e-05	0.0	-4.35e-06
2204	88	0.20	-0.97	-0.93	9.71e-05	0.0	-5.13e-06
2204	92	0.22	-0.13	-0.95	4.19e-05	0.0	-2.97e-06
2204	98	0.19	-0.11	-0.82	3.31e-05	0.0	-2.61e-06
2204	105	0.18	-0.27	-0.80	4.33e-05	0.0	-3.02e-06
2204	107	0.18	-0.10	-0.79	3.10e-05	0.0	-2.56e-06
2204	112	9.02	7.34	-0.86	1.21e-04	0.0	-5.33e-04
2204	139	-4.79	-9.68	-1.38	7.85e-04	0.0	3.30e-04
2204	144	10.15	8.27	-0.87	1.32e-04	0.0	-6.00e-04
2204	171	-5.44	-10.90	-1.45	8.80e-04	0.0	3.73e-04
2204	176	10.17	8.19	-0.86	1.20e-04	0.0	-5.93e-04
2204	203	-5.54	-10.88	-1.45	8.70e-04	0.0	3.75e-04
2204	208	11.94	9.58	-0.87	1.30e-04	0.0	-6.93e-04
2204	235	-6.64	-12.76	-1.56	1.01e-03	0.0	4.48e-04
2205	28	0.25	-0.81	-1.56	1.49e-04	0.0	-1.61e-05
2205	44	0.22	-1.25	-1.46	1.98e-04	0.0	-1.51e-05
2205	52	0.25	-0.13	-1.50	6.30e-05	0.0	-1.50e-05
2205	80	0.18	-0.55	-1.11	1.01e-04	0.0	-1.14e-05
2205	88	0.16	-0.84	-1.04	1.34e-04	0.0	-1.07e-05
2205	92	0.18	-0.09	-1.08	4.42e-05	0.0	-1.06e-05
2205	98	0.15	-0.07	-0.92	3.64e-05	0.0	-9.11e-06
2205	105	0.14	-0.22	-0.90	5.37e-05	0.0	-8.99e-06
2205	107	0.14	-0.07	-0.89	3.46e-05	0.0	-8.74e-06
2205	112	8.35	6.46	-0.95	-6.54e-04	0.0	-4.66e-04
2205	133	-0.31	-5.86	-1.50	8.13e-04	0.0	2.40e-05
2205	139	-4.48	-8.54	-1.37	1.07e-03	0.0	2.77e-04
2205	144	9.39	7.28	-0.95	-7.40e-04	0.0	-5.23e-04
2205	165	-0.37	-6.59	-1.58	9.10e-04	0.0	2.84e-05
2205	171	-5.08	-9.62	-1.43	1.20e-03	0.0	3.13e-04
2205	176	9.42	7.21	-0.94	-7.22e-04	0.0	-5.18e-04
2205	197	-0.39	-6.57	-1.56	9.06e-04	0.0	2.82e-05
2205	203	-5.17	-9.60	-1.43	1.19e-03	0.0	3.15e-04
2205	208	11.06	8.44	-0.94	-8.43e-04	0.0	-6.05e-04
2205	229	-0.49	-7.67	-1.67	1.05e-03	0.0	3.60e-05
2205	235	-6.20	-11.26	-1.52	1.39e-03	0.0	3.76e-04
2206	28	0.28	-0.89	-1.57	1.52e-04	0.0	-1.42e-05
2206	44	0.25	-1.35	-1.46	2.00e-04	0.0	-1.37e-05
2206	52	0.28	-0.16	-1.51	6.61e-05	0.0	-1.28e-05
2206	80	0.20	-0.60	-1.12	1.03e-04	0.0	-1.00e-05
2206	88	0.17	-0.91	-1.04	1.36e-04	0.0	-9.70e-06
2206	92	0.20	-0.11	-1.08	4.64e-05	0.0	-9.10e-06
2206	98	0.16	-0.09	-0.93	3.83e-05	0.0	-7.82e-06
2206	105	0.16	-0.25	-0.91	5.54e-05	0.0	-7.81e-06
2206	107	0.16	-0.09	-0.89	3.64e-05	0.0	-7.50e-06
2206	112	8.72	6.76	-0.95	-6.23e-04	0.0	-5.00e-04
2206	133	-0.32	-6.26	-1.50	7.85e-04	0.0	2.74e-05
2206	139	-4.66	-9.06	-1.37	1.03e-03	0.0	2.99e-04
2206	144	9.81	7.63	-0.95	-7.06e-04	0.0	-5.63e-04
2206	165	-0.38	-7.04	-1.58	8.79e-04	0.0	3.21e-05
2206	171	-5.28	-10.20	-1.44	1.16e-03	0.0	3.39e-04
2206	176	9.83	7.55	-0.94	-6.88e-04	0.0	-5.56e-04
2206	197	-0.40	-7.01	-1.56	8.75e-04	0.0	3.29e-05
2206	203	-5.38	-10.18	-1.43	1.15e-03	0.0	3.41e-04
2206	208	11.55	8.84	-0.94	-8.05e-04	0.0	-6.50e-04
2206	229	-0.51	-8.18	-1.67	1.02e-03	0.0	4.21e-05
2206	235	-6.45	-11.93	-1.52	1.34e-03	0.0	4.08e-04
2207	28	0.32	-0.96	-1.57	1.12e-04	0.0	-7.38e-06
2207	44	0.28	-1.45	-1.46	1.39e-04	0.0	-8.39e-06
2207	52	0.32	-0.19	-1.51	5.84e-05	0.0	-5.30e-06
2207	80	0.22	-0.65	-1.12	7.60e-05	0.0	-5.23e-06
2207	88	0.20	-0.97	-1.05	9.40e-05	0.0	-5.91e-06
2207	92	0.22	-0.14	-1.08	4.02e-05	0.0	-3.85e-06

2207	98	0.19	-0.11	-0.93	3.16e-05	0.0	-3.38e-06
2207	105	0.18	-0.28	-0.91	4.16e-05	0.0	-3.76e-06
2207	107	0.18	-0.10	-0.90	2.96e-05	0.0	-3.30e-06
2207	112	9.02	7.06	-0.95	1.14e-04	0.0	-5.33e-04
2207	133	-0.31	-6.64	-1.50	8.22e-04	0.0	3.75e-05
2207	139	-4.79	-9.56	-1.38	8.23e-04	0.0	3.29e-04
2207	144	10.15	7.96	-0.96	1.25e-04	0.0	-6.00e-04
2207	165	-0.38	-7.47	-1.58	9.21e-04	0.0	4.31e-05
2207	171	-5.44	-10.76	-1.44	9.22e-04	0.0	3.72e-04
2207	176	10.17	7.88	-0.94	1.13e-04	0.0	-5.93e-04
2207	197	-0.39	-7.44	-1.57	9.09e-04	0.0	4.47e-05
2207	203	-5.54	-10.74	-1.44	9.11e-04	0.0	3.74e-04
2207	208	11.94	9.22	-0.94	1.22e-04	0.0	-6.93e-04
2207	229	-0.50	-8.68	-1.68	1.05e-03	0.0	5.58e-05
2207	235	-6.64	-12.59	-1.53	1.06e-03	0.0	4.46e-04
2208	28	0.25	-0.82	-1.73	1.47e-04	0.0	-1.33e-05
2208	44	0.22	-1.26	-1.61	1.96e-04	0.0	-1.34e-05
2208	52	0.25	-0.13	-1.67	6.10e-05	0.0	-1.14e-05
2208	80	0.18	-0.55	-1.23	9.99e-05	0.0	-9.41e-06
2208	88	0.16	-0.84	-1.15	1.33e-04	0.0	-9.46e-06
2208	92	0.18	-0.09	-1.20	4.27e-05	0.0	-8.14e-06
2208	98	0.15	-0.08	-1.03	3.51e-05	0.0	-7.03e-06
2208	105	0.14	-0.22	-1.01	5.25e-05	0.0	-7.19e-06
2208	107	0.14	-0.07	-0.99	3.34e-05	0.0	-6.77e-06
2208	112	8.35	6.22	-1.07	-6.15e-04	0.0	-4.68e-04
2208	133	-0.31	-5.92	-1.63	7.99e-04	0.0	2.58e-05
2208	139	-4.48	-8.46	-1.50	1.04e-03	0.0	2.80e-04
2208	144	9.39	7.02	-1.08	-6.96e-04	0.0	-5.26e-04
2208	165	-0.37	-6.66	-1.71	8.95e-04	0.0	3.02e-05
2208	171	-5.08	-9.53	-1.56	1.16e-03	0.0	3.17e-04
2208	176	9.42	6.95	-1.06	-6.79e-04	0.0	-5.21e-04
2208	197	-0.39	-6.63	-1.70	8.90e-04	0.0	3.02e-05
2208	203	-5.18	-9.51	-1.56	1.15e-03	0.0	3.19e-04
2208	208	11.07	8.13	-1.06	-7.93e-04	0.0	-6.08e-04
2208	229	-0.49	-7.74	-1.81	1.03e-03	0.0	3.83e-05
2208	235	-6.20	-11.15	-1.66	1.34e-03	0.0	3.81e-04
2209	28	0.28	-0.89	-1.73	1.48e-04	0.0	-1.11e-05
2209	44	0.25	-1.36	-1.61	1.98e-04	0.0	-1.15e-05
2209	52	0.28	-0.17	-1.67	6.25e-05	0.0	-9.18e-06
2209	80	0.20	-0.60	-1.24	1.01e-04	0.0	-7.86e-06
2209	88	0.17	-0.91	-1.15	1.34e-04	0.0	-8.11e-06
2209	92	0.20	-0.12	-1.20	4.38e-05	0.0	-6.56e-06
2209	98	0.17	-0.09	-1.03	3.61e-05	0.0	-5.67e-06
2209	105	0.16	-0.25	-1.01	5.34e-05	0.0	-5.90e-06
2209	107	0.16	-0.09	-0.99	3.43e-05	0.0	-5.47e-06
2209	112	8.71	6.51	-1.07	-5.81e-04	0.0	-5.00e-04
2209	133	-0.32	-6.31	-1.63	7.64e-04	0.0	2.98e-05
2209	139	-4.65	-8.96	-1.50	9.90e-04	0.0	3.02e-04
2209	144	9.80	7.34	-1.08	-6.58e-04	0.0	-5.63e-04
2209	165	-0.38	-7.09	-1.71	8.56e-04	0.0	3.46e-05
2209	171	-5.28	-10.08	-1.56	1.11e-03	0.0	3.42e-04
2209	176	9.83	7.26	-1.06	-6.41e-04	0.0	-5.56e-04
2209	197	-0.40	-7.06	-1.70	8.51e-04	0.0	3.54e-05
2209	203	-5.38	-10.06	-1.56	1.10e-03	0.0	3.44e-04
2209	208	11.54	8.51	-1.07	-7.50e-04	0.0	-6.50e-04
2209	229	-0.50	-8.24	-1.81	9.89e-04	0.0	4.48e-05
2209	235	-6.44	-11.79	-1.66	1.28e-03	0.0	4.11e-04
2210	28	0.32	-0.97	-1.73	1.14e-04	0.0	-7.97e-06
2210	44	0.28	-1.46	-1.61	1.40e-04	0.0	-8.87e-06
2210	52	0.32	-0.20	-1.67	6.10e-05	0.0	-5.95e-06
2210	80	0.22	-0.65	-1.24	7.71e-05	0.0	-5.65e-06
2210	88	0.20	-0.98	-1.16	9.46e-05	0.0	-6.25e-06
2210	92	0.22	-0.14	-1.20	4.21e-05	0.0	-4.30e-06
2210	98	0.19	-0.11	-1.03	3.33e-05	0.0	-3.77e-06
2210	105	0.18	-0.28	-1.01	4.30e-05	0.0	-4.12e-06
2210	107	0.18	-0.11	-1.00	3.13e-05	0.0	-3.67e-06
2210	112	9.02	6.78	-1.07	1.12e-04	0.0	-5.33e-04
2210	133	-0.31	-6.68	-1.63	8.53e-04	0.0	3.73e-05
2210	139	-4.79	-9.44	-1.50	8.54e-04	0.0	3.28e-04
2210	144	10.15	7.65	-1.08	1.22e-04	0.0	-6.00e-04
2210	165	-0.38	-7.51	-1.71	9.56e-04	0.0	4.29e-05
2210	171	-5.44	-10.62	-1.56	9.57e-04	0.0	3.71e-04
2210	176	10.17	7.57	-1.06	1.10e-04	0.0	-5.93e-04
2210	197	-0.39	-7.47	-1.70	9.43e-04	0.0	4.46e-05
2210	203	-5.54	-10.59	-1.56	9.46e-04	0.0	3.74e-04

2210	208	11.94	8.86	-1.07	1.18e-04	0.0	-6.93e-04
2210	229	-0.50	-8.72	-1.81	1.09e-03	0.0	5.58e-05
2210	235	-6.64	-12.41	-1.66	1.10e-03	0.0	4.46e-04
2211	28	0.25	-0.83	-1.88	1.45e-04	0.0	-1.09e-05
2211	44	0.22	-1.27	-1.75	1.95e-04	0.0	-1.17e-05
2211	52	0.25	-0.14	-1.82	5.98e-05	0.0	-8.47e-06
2211	80	0.18	-0.56	-1.34	9.89e-05	0.0	-7.71e-06
2211	88	0.16	-0.85	-1.25	1.32e-04	0.0	-8.25e-06
2211	92	0.18	-0.10	-1.30	4.19e-05	0.0	-6.08e-06
2211	98	0.15	-0.08	-1.13	3.44e-05	0.0	-5.30e-06
2211	105	0.14	-0.23	-1.10	5.17e-05	0.0	-5.66e-06
2211	107	0.14	-0.08	-1.09	3.27e-05	0.0	-5.12e-06
2211	112	8.35	5.98	-1.21	-5.80e-04	0.0	-4.73e-04
2211	133	-0.31	-5.98	-1.77	7.88e-04	0.0	2.78e-05
2211	139	-4.48	-8.38	-1.61	1.01e-03	0.0	2.85e-04
2211	144	9.40	6.75	-1.23	-6.57e-04	0.0	-5.32e-04
2211	165	-0.37	-6.72	-1.85	8.83e-04	0.0	3.23e-05
2211	171	-5.08	-9.43	-1.67	1.13e-03	0.0	3.23e-04
2211	176	9.43	6.68	-1.21	-6.40e-04	0.0	-5.26e-04
2211	197	-0.39	-6.69	-1.83	8.78e-04	0.0	3.26e-05
2211	203	-5.18	-9.40	-1.67	1.12e-03	0.0	3.25e-04
2211	208	11.07	7.82	-1.23	-7.48e-04	0.0	-6.15e-04
2211	229	-0.49	-7.80	-1.95	1.02e-03	0.0	4.10e-05
2211	235	-6.20	-11.02	-1.77	1.30e-03	0.0	3.88e-04
2212	28	0.28	-0.90	-1.88	1.46e-04	0.0	-9.47e-06
2212	44	0.25	-1.36	-1.75	1.96e-04	0.0	-1.03e-05
2212	52	0.28	-0.17	-1.82	6.05e-05	0.0	-7.21e-06
2212	80	0.20	-0.61	-1.34	9.95e-05	0.0	-6.68e-06
2212	88	0.18	-0.92	-1.25	1.32e-04	0.0	-7.24e-06
2212	92	0.20	-0.12	-1.30	4.24e-05	0.0	-5.18e-06
2212	98	0.17	-0.10	-1.13	3.48e-05	0.0	-4.52e-06
2212	105	0.16	-0.25	-1.10	5.22e-05	0.0	-4.87e-06
2212	107	0.16	-0.09	-1.09	3.31e-05	0.0	-4.37e-06
2212	112	8.71	6.25	-1.22	-5.43e-04	0.0	-5.02e-04
2212	133	-0.31	-6.36	-1.77	7.49e-04	0.0	3.17e-05
2212	139	-4.65	-8.86	-1.61	9.55e-04	0.0	3.06e-04
2212	144	9.80	7.05	-1.23	-6.15e-04	0.0	-5.65e-04
2212	165	-0.38	-7.15	-1.85	8.39e-04	0.0	3.66e-05
2212	171	-5.28	-9.97	-1.67	1.07e-03	0.0	3.46e-04
2212	176	9.83	6.98	-1.21	-5.99e-04	0.0	-5.59e-04
2212	197	-0.39	-7.11	-1.83	8.34e-04	0.0	3.77e-05
2212	203	-5.38	-9.94	-1.67	1.06e-03	0.0	3.48e-04
2212	208	11.54	8.17	-1.23	-7.01e-04	0.0	-6.53e-04
2212	229	-0.50	-8.29	-1.95	9.68e-04	0.0	4.73e-05
2212	235	-6.44	-11.64	-1.77	1.24e-03	0.0	4.15e-04
2213	28	0.32	-0.97	-1.88	1.17e-04	0.0	-8.07e-06
2213	44	0.28	-1.46	-1.75	1.42e-04	0.0	-8.90e-06
2213	52	0.32	-0.20	-1.82	6.50e-05	0.0	-6.09e-06
2213	80	0.22	-0.66	-1.34	7.95e-05	0.0	-5.72e-06
2213	88	0.20	-0.98	-1.25	9.65e-05	0.0	-6.27e-06
2213	92	0.22	-0.14	-1.30	4.51e-05	0.0	-4.40e-06
2213	98	0.19	-0.11	-1.13	3.59e-05	0.0	-3.85e-06
2213	105	0.18	-0.28	-1.10	4.54e-05	0.0	-4.18e-06
2213	107	0.18	-0.11	-1.09	3.39e-05	0.0	-3.74e-06
2213	112	9.02	6.50	-1.22	1.06e-04	0.0	-5.33e-04
2213	133	-0.31	-6.72	-1.77	8.72e-04	0.0	3.74e-05
2213	139	-4.79	-9.32	-1.61	8.73e-04	0.0	3.28e-04
2213	144	10.15	7.34	-1.23	1.16e-04	0.0	-6.00e-04
2213	165	-0.38	-7.55	-1.85	9.77e-04	0.0	4.31e-05
2213	171	-5.44	-10.48	-1.67	9.78e-04	0.0	3.71e-04
2213	176	10.17	7.26	-1.21	1.05e-04	0.0	-5.92e-04
2213	197	-0.39	-7.51	-1.83	9.64e-04	0.0	4.47e-05
2213	203	-5.54	-10.45	-1.67	9.66e-04	0.0	3.74e-04
2213	208	11.94	8.50	-1.23	1.12e-04	0.0	-6.92e-04
2213	229	-0.50	-8.76	-1.95	1.12e-03	0.0	5.60e-05
2213	235	-6.64	-12.23	-1.77	1.12e-03	0.0	4.46e-04
2214	28	0.25	-0.83	-2.02	1.45e-04	0.0	-9.02e-06
2214	44	0.22	-1.27	-1.87	1.94e-04	0.0	-1.03e-05
2214	52	0.25	-0.14	-1.96	5.95e-05	0.0	-6.24e-06
2214	80	0.18	-0.56	-1.44	9.84e-05	0.0	-6.36e-06
2214	88	0.16	-0.85	-1.34	1.31e-04	0.0	-7.24e-06
2214	92	0.18	-0.10	-1.40	4.16e-05	0.0	-4.50e-06
2214	98	0.15	-0.08	-1.21	3.42e-05	0.0	-3.96e-06
2214	105	0.14	-0.23	-1.18	5.14e-05	0.0	-4.46e-06
2214	107	0.14	-0.08	-1.17	3.25e-05	0.0	-3.85e-06

2214	112	8.36	5.74	-1.37	-5.48e-04	0.0	-4.78e-04
2214	133	-0.31	-6.03	-1.89	7.80e-04	0.0	2.98e-05
2214	139	-4.48	-8.29	-1.70	9.82e-04	0.0	2.91e-04
2214	144	9.40	6.48	-1.39	-6.21e-04	0.0	-5.38e-04
2214	165	-0.37	-6.78	-1.98	8.74e-04	0.0	3.44e-05
2214	171	-5.08	-9.32	-1.76	1.10e-03	0.0	3.29e-04
2214	176	9.43	6.41	-1.38	-6.05e-04	0.0	-5.33e-04
2214	197	-0.39	-6.74	-1.97	8.69e-04	0.0	3.51e-05
2214	203	-5.18	-9.29	-1.76	1.09e-03	0.0	3.31e-04
2214	208	11.08	7.50	-1.40	-7.07e-04	0.0	-6.23e-04
2214	229	-0.49	-7.86	-2.10	1.01e-03	0.0	4.39e-05
2214	235	-6.20	-10.88	-1.86	1.27e-03	0.0	3.95e-04
2215	28	0.28	-0.91	-2.02	1.45e-04	0.0	-8.36e-06
2215	44	0.25	-1.37	-1.87	1.94e-04	0.0	-9.46e-06
2215	52	0.28	-0.17	-1.96	5.97e-05	0.0	-5.94e-06
2215	80	0.20	-0.61	-1.44	9.87e-05	0.0	-5.90e-06
2215	88	0.18	-0.92	-1.34	1.32e-04	0.0	-6.64e-06
2215	92	0.20	-0.12	-1.40	4.18e-05	0.0	-4.29e-06
2215	98	0.17	-0.10	-1.21	3.44e-05	0.0	-3.77e-06
2215	105	0.16	-0.26	-1.18	5.16e-05	0.0	-4.19e-06
2215	107	0.16	-0.09	-1.17	3.27e-05	0.0	-3.65e-06
2215	112	8.71	5.99	-1.37	-5.09e-04	0.0	-5.05e-04
2215	133	-0.31	-6.40	-1.89	7.38e-04	0.0	3.32e-05
2215	139	-4.65	-8.75	-1.70	9.27e-04	0.0	3.09e-04
2215	144	9.80	6.76	-1.39	-5.77e-04	0.0	-5.69e-04
2215	165	-0.38	-7.20	-1.99	8.26e-04	0.0	3.83e-05
2215	171	-5.28	-9.85	-1.76	1.04e-03	0.0	3.49e-04
2215	176	9.83	6.69	-1.38	-5.62e-04	0.0	-5.62e-04
2215	197	-0.39	-7.16	-1.97	8.21e-04	0.0	3.94e-05
2215	203	-5.38	-9.81	-1.76	1.03e-03	0.0	3.52e-04
2215	208	11.54	7.83	-1.40	-6.58e-04	0.0	-6.57e-04
2215	229	-0.50	-8.34	-2.10	9.53e-04	0.0	4.94e-05
2215	235	-6.44	-11.49	-1.86	1.20e-03	0.0	4.20e-04
2216	28	0.31	-0.98	-2.02	1.20e-04	0.0	-7.96e-06
2216	44	0.28	-1.47	-1.87	1.45e-04	0.0	-8.77e-06
2216	52	0.32	-0.20	-1.96	6.91e-05	0.0	-6.01e-06
2216	80	0.22	-0.66	-1.44	8.22e-05	0.0	-5.64e-06
2216	88	0.20	-0.98	-1.34	9.88e-05	0.0	-6.18e-06
2216	92	0.22	-0.14	-1.40	4.81e-05	0.0	-4.34e-06
2216	98	0.19	-0.12	-1.21	3.85e-05	0.0	-3.80e-06
2216	105	0.18	-0.28	-1.18	4.79e-05	0.0	-4.13e-06
2216	107	0.18	-0.11	-1.17	3.65e-05	0.0	-3.69e-06
2216	112	9.02	6.23	-1.37	9.86e-05	0.0	-5.33e-04
2216	133	-0.31	-6.76	-1.89	8.81e-04	0.0	3.76e-05
2216	139	-4.79	-9.19	-1.70	8.81e-04	0.0	3.28e-04
2216	144	10.14	7.03	-1.39	1.06e-04	0.0	-6.00e-04
2216	165	-0.38	-7.59	-1.99	9.86e-04	0.0	4.33e-05
2216	171	-5.44	-10.34	-1.76	9.87e-04	0.0	3.71e-04
2216	176	10.17	6.95	-1.38	9.61e-05	0.0	-5.92e-04
2216	197	-0.39	-7.55	-1.97	9.73e-04	0.0	4.50e-05
2216	203	-5.54	-10.30	-1.76	9.75e-04	0.0	3.74e-04
2216	208	11.94	8.14	-1.40	1.02e-04	0.0	-6.92e-04
2216	229	-0.50	-8.80	-2.10	1.13e-03	0.0	5.62e-05
2216	235	-6.64	-12.06	-1.86	1.13e-03	0.0	4.46e-04
2217	28	0.25	-0.84	-2.14	1.45e-04	0.0	-7.59e-06
2217	44	0.22	-1.28	-1.98	1.93e-04	0.0	-9.23e-06
2217	52	0.25	-0.15	-2.08	5.99e-05	0.0	-4.62e-06
2217	80	0.18	-0.56	-1.53	9.84e-05	0.0	-5.34e-06
2217	88	0.16	-0.86	-1.42	1.31e-04	0.0	-6.44e-06
2217	92	0.18	-0.10	-1.49	4.20e-05	0.0	-3.36e-06
2217	98	0.15	-0.08	-1.29	3.44e-05	0.0	-2.99e-06
2217	105	0.14	-0.23	-1.26	5.16e-05	0.0	-3.58e-06
2217	107	0.14	-0.08	-1.24	3.28e-05	0.0	-2.92e-06
2217	112	8.36	5.50	-1.52	-5.18e-04	0.0	-4.82e-04
2217	133	-0.31	-6.08	-2.02	7.75e-04	0.0	3.14e-05
2217	139	-4.49	-8.19	-1.78	9.62e-04	0.0	2.95e-04
2217	144	9.41	6.20	-1.55	-5.87e-04	0.0	-5.43e-04
2217	165	-0.37	-6.83	-2.11	8.68e-04	0.0	3.62e-05
2217	171	-5.09	-9.21	-1.84	1.08e-03	0.0	3.33e-04
2217	176	9.44	6.14	-1.54	-5.73e-04	0.0	-5.37e-04
2217	197	-0.39	-6.79	-2.10	8.62e-04	0.0	3.70e-05
2217	203	-5.18	-9.18	-1.84	1.07e-03	0.0	3.35e-04
2217	208	11.09	7.18	-1.58	-6.70e-04	0.0	-6.28e-04
2217	229	-0.49	-7.91	-2.24	1.00e-03	0.0	4.61e-05
2217	235	-6.21	-10.74	-1.93	1.24e-03	0.0	4.00e-04

2218	28	0.28	-0.91	-2.14	1.45e-04	0.0	-7.59e-06
2218	44	0.25	-1.38	-1.98	1.94e-04	0.0	-8.87e-06
2218	52	0.28	-0.18	-2.08	5.99e-05	0.0	-5.06e-06
2218	80	0.20	-0.61	-1.53	9.85e-05	0.0	-5.35e-06
2218	88	0.18	-0.92	-1.42	1.31e-04	0.0	-6.20e-06
2218	92	0.20	-0.12	-1.49	4.20e-05	0.0	-3.66e-06
2218	98	0.17	-0.10	-1.29	3.44e-05	0.0	-3.24e-06
2218	105	0.16	-0.26	-1.26	5.16e-05	0.0	-3.71e-06
2218	107	0.16	-0.10	-1.24	3.28e-05	0.0	-3.15e-06
2218	112	8.71	5.73	-1.52	-4.79e-04	0.0	-5.07e-04
2218	133	-0.31	-6.45	-2.02	7.30e-04	0.0	3.43e-05
2218	139	-4.65	-8.64	-1.78	9.03e-04	0.0	3.11e-04
2218	144	9.80	6.47	-1.55	-5.43e-04	0.0	-5.71e-04
2218	165	-0.38	-7.25	-2.11	8.18e-04	0.0	3.94e-05
2218	171	-5.28	-9.72	-1.84	1.01e-03	0.0	3.52e-04
2218	176	9.83	6.40	-1.54	-5.29e-04	0.0	-5.65e-04
2218	197	-0.39	-7.20	-2.10	8.12e-04	0.0	4.07e-05
2218	203	-5.38	-9.68	-1.84	1.00e-03	0.0	3.54e-04
2218	208	11.54	7.49	-1.58	-6.19e-04	0.0	-6.60e-04
2218	229	-0.50	-8.39	-2.24	9.42e-04	0.0	5.08e-05
2218	235	-6.44	-11.33	-1.93	1.17e-03	0.0	4.23e-04
2219	28	0.31	-0.98	-2.14	1.24e-04	0.0	-7.85e-06
2219	44	0.28	-1.47	-1.98	1.48e-04	0.0	-8.68e-06
2219	52	0.32	-0.21	-2.08	7.30e-05	0.0	-5.87e-06
2219	80	0.22	-0.66	-1.53	8.48e-05	0.0	-5.56e-06
2219	88	0.20	-0.99	-1.42	1.01e-04	0.0	-6.12e-06
2219	92	0.22	-0.14	-1.49	5.09e-05	0.0	-4.24e-06
2219	98	0.19	-0.12	-1.29	4.10e-05	0.0	-3.71e-06
2219	105	0.18	-0.28	-1.26	5.02e-05	0.0	-4.05e-06
2219	107	0.18	-0.11	-1.24	3.89e-05	0.0	-3.60e-06
2219	112	9.02	5.95	-1.52	8.78e-05	0.0	-5.33e-04
2219	133	-0.31	-6.80	-2.02	8.83e-04	0.0	3.77e-05
2219	139	-4.79	-9.07	-1.78	8.83e-04	0.0	3.29e-04
2219	144	10.14	6.72	-1.55	9.39e-05	0.0	-6.00e-04
2219	165	-0.38	-7.64	-2.11	9.89e-04	0.0	4.34e-05
2219	171	-5.44	-10.21	-1.84	9.89e-04	0.0	3.72e-04
2219	176	10.17	6.64	-1.54	8.45e-05	0.0	-5.93e-04
2219	197	-0.39	-7.59	-2.10	9.76e-04	0.0	4.51e-05
2219	203	-5.54	-10.16	-1.84	9.77e-04	0.0	3.74e-04
2219	208	11.94	7.78	-1.58	8.84e-05	0.0	-6.93e-04
2219	229	-0.50	-8.84	-2.24	1.13e-03	0.0	5.64e-05
2219	235	-6.64	-11.89	-1.93	1.13e-03	0.0	4.46e-04
2220	28	0.25	-0.84	-2.26	1.45e-04	0.0	-6.61e-06
2220	44	0.22	-1.28	-2.08	1.94e-04	0.0	-8.45e-06
2220	52	0.25	-0.15	-2.20	6.10e-05	0.0	-3.52e-06
2220	80	0.18	-0.57	-1.61	9.88e-05	0.0	-4.64e-06
2220	88	0.16	-0.86	-1.50	1.31e-04	0.0	-5.87e-06
2220	92	0.18	-0.10	-1.57	4.27e-05	0.0	-2.58e-06
2220	98	0.15	-0.08	-1.35	3.50e-05	0.0	-2.34e-06
2220	105	0.14	-0.23	-1.32	5.20e-05	0.0	-2.97e-06
2220	107	0.14	-0.08	-1.31	3.33e-05	0.0	-2.29e-06
2220	112	8.37	5.25	-1.66	-4.90e-04	0.0	-4.84e-04
2220	133	-0.31	-6.13	-2.13	7.71e-04	0.0	3.25e-05
2220	139	-4.49	-8.09	-1.84	9.43e-04	0.0	2.97e-04
2220	144	9.42	5.92	-1.71	-5.56e-04	0.0	-5.45e-04
2220	165	-0.37	-6.89	-2.24	8.63e-04	0.0	3.72e-05
2220	171	-5.09	-9.10	-1.91	1.06e-03	0.0	3.36e-04
2220	176	9.45	5.86	-1.69	-5.42e-04	0.0	-5.40e-04
2220	197	-0.39	-6.84	-2.22	8.57e-04	0.0	3.81e-05
2220	203	-5.19	-9.06	-1.90	1.05e-03	0.0	3.38e-04
2220	208	11.10	6.86	-1.76	-6.34e-04	0.0	-6.31e-04
2220	229	-0.49	-7.97	-2.37	9.94e-04	0.0	4.73e-05
2220	235	-6.21	-10.60	-2.00	1.22e-03	0.0	4.03e-04
2221	28	0.28	-0.91	-2.26	1.45e-04	0.0	-7.09e-06
2221	44	0.25	-1.38	-2.08	1.93e-04	0.0	-8.48e-06
2221	52	0.28	-0.18	-2.20	6.07e-05	0.0	-4.51e-06
2221	80	0.20	-0.61	-1.61	9.87e-05	0.0	-5.00e-06
2221	88	0.18	-0.93	-1.50	1.31e-04	0.0	-5.93e-06
2221	92	0.20	-0.13	-1.57	4.25e-05	0.0	-3.28e-06
2221	98	0.17	-0.10	-1.35	3.49e-05	0.0	-2.91e-06
2221	105	0.16	-0.26	-1.32	5.19e-05	0.0	-3.41e-06
2221	107	0.16	-0.10	-1.31	3.32e-05	0.0	-2.84e-06
2221	112	8.71	5.47	-1.66	-4.50e-04	0.0	-5.09e-04
2221	133	-0.31	-6.49	-2.13	7.24e-04	0.0	3.49e-05
2221	139	-4.65	-8.54	-1.84	8.82e-04	0.0	3.13e-04

2221	144	9.80	6.17	-1.71	-5.11e-04	0.0	-5.73e-04
2221	165	-0.38	-7.30	-2.24	8.11e-04	0.0	4.01e-05
2221	171	-5.28	-9.60	-1.91	9.88e-04	0.0	3.54e-04
2221	176	9.83	6.11	-1.69	-4.98e-04	0.0	-5.66e-04
2221	197	-0.39	-7.25	-2.22	8.04e-04	0.0	4.14e-05
2221	203	-5.38	-9.56	-1.90	9.79e-04	0.0	3.56e-04
2221	208	11.54	7.15	-1.76	-5.83e-04	0.0	-6.62e-04
2221	229	-0.50	-8.44	-2.37	9.33e-04	0.0	5.15e-05
2221	235	-6.44	-11.18	-2.00	1.14e-03	0.0	4.25e-04
2222	28	0.31	-0.99	-2.26	1.27e-04	0.0	-7.90e-06
2222	44	0.28	-1.48	-2.08	1.52e-04	0.0	-8.77e-06
2222	52	0.32	-0.21	-2.20	7.68e-05	0.0	-5.85e-06
2222	80	0.22	-0.66	-1.61	8.74e-05	0.0	-5.59e-06
2222	88	0.20	-0.99	-1.50	1.04e-04	0.0	-6.17e-06
2222	92	0.22	-0.15	-1.57	5.36e-05	0.0	-4.23e-06
2222	98	0.19	-0.12	-1.35	4.34e-05	0.0	-3.70e-06
2222	105	0.18	-0.29	-1.32	5.25e-05	0.0	-4.05e-06
2222	107	0.18	-0.11	-1.31	4.12e-05	0.0	-3.59e-06
2222	112	9.02	5.68	-1.66	7.59e-05	0.0	-5.33e-04
2222	133	-0.31	-6.84	-2.13	8.82e-04	0.0	3.78e-05
2222	139	-4.79	-8.96	-1.84	8.83e-04	0.0	3.29e-04
2222	144	10.14	6.41	-1.71	8.03e-05	0.0	-6.00e-04
2222	165	-0.38	-7.68	-2.24	9.88e-04	0.0	4.34e-05
2222	171	-5.44	-10.07	-1.91	9.88e-04	0.0	3.72e-04
2222	176	10.17	6.34	-1.69	7.18e-05	0.0	-5.93e-04
2222	197	-0.39	-7.63	-2.22	9.75e-04	0.0	4.51e-05
2222	203	-5.54	-10.02	-1.90	9.76e-04	0.0	3.74e-04
2222	208	11.94	7.42	-1.76	7.35e-05	0.0	-6.93e-04
2222	229	-0.50	-8.89	-2.37	1.13e-03	0.0	5.64e-05
2222	235	-6.64	-11.72	-2.00	1.13e-03	0.0	4.47e-04
2223	28	0.25	-0.84	-2.36	1.46e-04	0.0	-6.00e-06
2223	44	0.22	-1.29	-2.17	1.94e-04	0.0	-7.97e-06
2223	52	0.25	-0.15	-2.30	6.24e-05	0.0	-2.86e-06
2223	80	0.18	-0.57	-1.68	9.95e-05	0.0	-4.21e-06
2223	88	0.16	-0.86	-1.56	1.31e-04	0.0	-5.53e-06
2223	92	0.18	-0.11	-1.64	4.37e-05	0.0	-2.12e-06
2223	98	0.15	-0.09	-1.41	3.59e-05	0.0	-1.95e-06
2223	105	0.14	-0.24	-1.37	5.27e-05	0.0	-2.62e-06
2223	107	0.14	-0.08	-1.36	3.41e-05	0.0	-1.92e-06
2223	112	8.38	5.00	-1.80	-4.62e-04	0.0	-4.85e-04
2223	133	-0.31	-6.18	-2.24	7.67e-04	0.0	3.29e-05
2223	139	-4.49	-7.99	-1.90	9.24e-04	0.0	2.98e-04
2223	144	9.43	5.64	-1.86	-5.24e-04	0.0	-5.46e-04
2223	165	-0.37	-6.94	-2.35	8.59e-04	0.0	3.77e-05
2223	171	-5.09	-8.99	-1.97	1.04e-03	0.0	3.37e-04
2223	176	9.46	5.58	-1.84	-5.11e-04	0.0	-5.41e-04
2223	197	-0.39	-6.89	-2.33	8.52e-04	0.0	3.86e-05
2223	203	-5.19	-8.95	-1.96	1.03e-03	0.0	3.39e-04
2223	208	11.11	6.53	-1.92	-5.99e-04	0.0	-6.33e-04
2223	229	-0.49	-8.02	-2.49	9.88e-04	0.0	4.78e-05
2223	235	-6.22	-10.46	-2.05	1.19e-03	0.0	4.05e-04
2224	28	0.28	-0.92	-2.36	1.46e-04	0.0	-6.84e-06
2224	44	0.25	-1.38	-2.17	1.94e-04	0.0	-8.25e-06
2224	52	0.28	-0.18	-2.30	6.21e-05	0.0	-4.28e-06
2224	80	0.20	-0.62	-1.68	9.93e-05	0.0	-4.83e-06
2224	88	0.18	-0.93	-1.56	1.31e-04	0.0	-5.77e-06
2224	92	0.20	-0.13	-1.64	4.35e-05	0.0	-3.12e-06
2224	98	0.17	-0.10	-1.41	3.57e-05	0.0	-2.79e-06
2224	105	0.16	-0.26	-1.37	5.26e-05	0.0	-3.30e-06
2224	107	0.16	-0.10	-1.36	3.40e-05	0.0	-2.73e-06
2224	112	8.72	5.21	-1.80	-4.22e-04	0.0	-5.10e-04
2224	133	-0.31	-6.54	-2.24	7.18e-04	0.0	3.53e-05
2224	139	-4.65	-8.43	-1.90	8.62e-04	0.0	3.14e-04
2224	144	9.81	5.88	-1.86	-4.79e-04	0.0	-5.74e-04
2224	165	-0.38	-7.35	-2.35	8.04e-04	0.0	4.06e-05
2224	171	-5.28	-9.48	-1.97	9.66e-04	0.0	3.55e-04
2224	176	9.83	5.81	-1.84	-4.67e-04	0.0	-5.68e-04
2224	197	-0.39	-7.29	-2.33	7.97e-04	0.0	4.19e-05
2224	203	-5.38	-9.43	-1.96	9.56e-04	0.0	3.57e-04
2224	208	11.55	6.81	-1.92	-5.48e-04	0.0	-6.64e-04
2224	229	-0.50	-8.49	-2.49	9.24e-04	0.0	5.22e-05
2224	235	-6.44	-11.02	-2.05	1.11e-03	0.0	4.26e-04
2225	28	0.31	-0.99	-2.36	1.30e-04	0.0	-7.98e-06
2225	44	0.28	-1.48	-2.17	1.54e-04	0.0	-8.82e-06
2225	52	0.32	-0.21	-2.30	8.00e-05	0.0	-5.96e-06

2225	80	0.22	-0.67	-1.68	8.96e-05	0.0	-5.64e-06
2225	88	0.20	-0.99	-1.56	1.05e-04	0.0	-6.20e-06
2225	92	0.22	-0.15	-1.64	5.60e-05	0.0	-4.30e-06
2225	98	0.18	-0.12	-1.41	4.54e-05	0.0	-3.76e-06
2225	105	0.18	-0.29	-1.37	5.44e-05	0.0	-4.10e-06
2225	107	0.18	-0.12	-1.36	4.32e-05	0.0	-3.65e-06
2225	112	9.02	5.40	-1.80	6.27e-05	0.0	-5.33e-04
2225	133	-0.31	-6.88	-2.24	8.81e-04	0.0	3.77e-05
2225	139	-4.79	-8.84	-1.90	8.82e-04	0.0	3.29e-04
2225	144	10.14	6.10	-1.86	6.52e-05	0.0	-6.01e-04
2225	165	-0.38	-7.73	-2.35	9.86e-04	0.0	4.34e-05
2225	171	-5.44	-9.94	-1.97	9.86e-04	0.0	3.72e-04
2225	176	10.17	6.03	-1.85	5.76e-05	0.0	-5.93e-04
2225	197	-0.39	-7.67	-2.34	9.73e-04	0.0	4.51e-05
2225	203	-5.54	-9.88	-1.96	9.75e-04	0.0	3.74e-04
2225	208	11.94	7.06	-1.92	5.70e-05	0.0	-6.93e-04
2225	229	-0.50	-8.93	-2.49	1.13e-03	0.0	5.64e-05
2225	235	-6.63	-11.55	-2.05	1.13e-03	0.0	4.47e-04
2226	28	0.25	-0.85	-2.45	1.47e-04	0.0	-5.71e-06
2226	44	0.22	-1.29	-2.25	1.94e-04	0.0	-7.73e-06
2226	52	0.25	-0.15	-2.39	6.41e-05	0.0	-2.57e-06
2226	80	0.18	-0.57	-1.74	1.00e-04	0.0	-4.02e-06
2226	88	0.16	-0.87	-1.61	1.32e-04	0.0	-5.36e-06
2226	92	0.18	-0.11	-1.70	4.49e-05	0.0	-1.92e-06
2226	98	0.15	-0.09	-1.46	3.69e-05	0.0	-1.79e-06
2226	105	0.14	-0.24	-1.42	5.36e-05	0.0	-2.48e-06
2226	107	0.14	-0.08	-1.40	3.51e-05	0.0	-1.78e-06
2226	112	8.39	4.75	-1.94	-4.31e-04	0.0	-4.86e-04
2226	113	6.78	0.57	-2.38	4.50e-05	0.0	-3.87e-04
2226	139	-4.49	-7.90	-1.95	9.01e-04	0.0	2.99e-04
2226	144	9.43	5.36	-2.01	-4.89e-04	0.0	-5.48e-04
2226	145	7.62	0.66	-2.50	4.61e-05	0.0	-4.35e-04
2226	171	-5.10	-8.88	-2.02	1.01e-03	0.0	3.38e-04
2226	176	9.46	5.30	-2.00	-4.78e-04	0.0	-5.42e-04
2226	177	7.63	0.64	-2.48	5.18e-05	0.0	-4.30e-04
2226	203	-5.19	-8.83	-2.01	1.00e-03	0.0	3.40e-04
2226	208	11.12	6.21	-2.10	-5.60e-04	0.0	-6.34e-04
2226	209	8.96	0.77	-2.66	5.68e-05	0.0	-5.02e-04
2226	235	-6.22	-10.32	-2.10	1.16e-03	0.0	4.06e-04
2227	28	0.28	-0.92	-2.45	1.47e-04	0.0	-6.78e-06
2227	44	0.25	-1.39	-2.25	1.94e-04	0.0	-8.14e-06
2227	52	0.28	-0.18	-2.39	6.38e-05	0.0	-4.35e-06
2227	80	0.20	-0.62	-1.74	1.00e-04	0.0	-4.81e-06
2227	88	0.18	-0.93	-1.61	1.32e-04	0.0	-5.72e-06
2227	92	0.20	-0.13	-1.70	4.47e-05	0.0	-3.19e-06
2227	98	0.17	-0.11	-1.46	3.67e-05	0.0	-2.88e-06
2227	105	0.16	-0.26	-1.42	5.34e-05	0.0	-3.36e-06
2227	107	0.16	-0.10	-1.41	3.49e-05	0.0	-2.82e-06
2227	112	8.72	4.95	-1.94	-3.93e-04	0.0	-5.12e-04
2227	113	7.05	0.54	-2.37	5.03e-05	0.0	-4.07e-04
2227	139	-4.66	-8.32	-1.95	8.40e-04	0.0	3.16e-04
2227	144	9.81	5.58	-2.01	-4.46e-04	0.0	-5.77e-04
2227	145	7.92	0.63	-2.49	5.22e-05	0.0	-4.58e-04
2227	171	-5.28	-9.36	-2.02	9.41e-04	0.0	3.57e-04
2227	176	9.84	5.52	-2.00	-4.35e-04	0.0	-5.70e-04
2227	177	7.94	0.61	-2.47	5.73e-05	0.0	-4.51e-04
2227	203	-5.38	-9.30	-2.01	9.32e-04	0.0	3.60e-04
2227	208	11.56	6.46	-2.10	-5.11e-04	0.0	-6.67e-04
2227	209	9.31	0.73	-2.65	6.30e-05	0.0	-5.26e-04
2227	235	-6.45	-10.87	-2.10	1.08e-03	0.0	4.29e-04
2228	28	0.31	-0.99	-2.45	1.34e-04	0.0	-7.95e-06
2228	44	0.27	-1.49	-2.25	1.57e-04	0.0	-8.72e-06
2228	52	0.32	-0.22	-2.39	8.30e-05	0.0	-6.01e-06
2228	80	0.22	-0.67	-1.75	9.18e-05	0.0	-5.63e-06
2228	88	0.20	-1.00	-1.61	1.08e-04	0.0	-6.14e-06
2228	92	0.22	-0.15	-1.71	5.82e-05	0.0	-4.34e-06
2228	98	0.18	-0.12	-1.46	4.74e-05	0.0	-3.79e-06
2228	105	0.18	-0.29	-1.42	5.63e-05	0.0	-4.10e-06
2228	107	0.18	-0.12	-1.41	4.51e-05	0.0	-3.67e-06
2228	112	9.02	5.13	-1.93	4.86e-05	0.0	-5.34e-04
2228	113	7.29	0.51	-2.36	5.08e-04	0.0	-4.23e-04
2228	139	-4.79	-8.72	-1.95	8.82e-04	0.0	3.29e-04
2228	144	10.14	5.79	-2.00	4.91e-05	0.0	-6.01e-04
2228	145	8.19	0.60	-2.48	5.66e-04	0.0	-4.76e-04
2228	171	-5.43	-9.81	-2.02	9.86e-04	0.0	3.72e-04

2228	176	10.17	5.72	-1.99	4.25e-05	0.0	-5.93e-04
2228	177	8.20	0.57	-2.46	5.54e-04	0.0	-4.69e-04
2228	203	-5.54	-9.75	-2.01	9.74e-04	0.0	3.74e-04
2228	208	11.94	6.70	-2.09	3.94e-05	0.0	-6.94e-04
2228	209	9.62	0.70	-2.64	6.35e-04	0.0	-5.46e-04
2228	235	-6.63	-11.38	-2.10	1.13e-03	0.0	4.47e-04
2229	28	0.25	-0.85	-2.52	1.48e-04	0.0	-5.63e-06
2229	44	0.22	-1.30	-2.30	1.95e-04	0.0	-7.64e-06
2229	52	0.25	-0.15	-2.46	6.61e-05	0.0	-2.53e-06
2229	80	0.18	-0.57	-1.79	1.01e-04	0.0	-3.97e-06
2229	88	0.16	-0.87	-1.65	1.32e-04	0.0	-5.31e-06
2229	92	0.18	-0.11	-1.75	4.63e-05	0.0	-1.90e-06
2229	98	0.15	-0.09	-1.49	3.81e-05	0.0	-1.79e-06
2229	105	0.14	-0.24	-1.45	5.46e-05	0.0	-2.47e-06
2229	107	0.14	-0.08	-1.44	3.63e-05	0.0	-1.78e-06
2229	112	8.39	4.50	-2.05	-3.96e-04	0.0	-4.87e-04
2229	113	6.78	0.34	-2.50	6.56e-05	0.0	-3.87e-04
2229	139	-4.49	-7.80	-1.98	8.71e-04	0.0	3.00e-04
2229	144	9.44	5.08	-2.13	-4.51e-04	0.0	-5.48e-04
2229	145	7.62	0.39	-2.63	6.92e-05	0.0	-4.36e-04
2229	171	-5.10	-8.77	-2.05	9.75e-04	0.0	3.39e-04
2229	176	9.47	5.03	-2.12	-4.40e-04	0.0	-5.43e-04
2229	177	7.64	0.38	-2.61	7.38e-05	0.0	-4.31e-04
2229	203	-5.19	-8.72	-2.04	9.65e-04	0.0	3.41e-04
2229	208	11.12	5.88	-2.23	-5.17e-04	0.0	-6.35e-04
2229	209	8.96	0.46	-2.80	8.18e-05	0.0	-5.03e-04
2229	235	-6.22	-10.18	-2.13	1.12e-03	0.0	4.07e-04
2230	28	0.28	-0.92	-2.52	1.48e-04	0.0	-6.89e-06
2230	44	0.25	-1.39	-2.30	1.94e-04	0.0	-8.14e-06
2230	52	0.28	-0.19	-2.46	6.54e-05	0.0	-4.65e-06
2230	80	0.20	-0.62	-1.79	1.01e-04	0.0	-4.92e-06
2230	88	0.17	-0.94	-1.65	1.32e-04	0.0	-5.76e-06
2230	92	0.20	-0.13	-1.75	4.58e-05	0.0	-3.43e-06
2230	98	0.17	-0.11	-1.49	3.76e-05	0.0	-3.12e-06
2230	105	0.16	-0.27	-1.45	5.41e-05	0.0	-3.56e-06
2230	107	0.16	-0.10	-1.44	3.58e-05	0.0	-3.07e-06
2230	112	8.73	4.68	-2.04	-3.67e-04	0.0	-5.14e-04
2230	113	7.06	0.30	-2.48	6.88e-05	0.0	-4.08e-04
2230	139	-4.66	-8.21	-1.98	8.22e-04	0.0	3.17e-04
2230	144	9.82	5.29	-2.11	-4.17e-04	0.0	-5.79e-04
2230	145	7.93	0.35	-2.61	7.29e-05	0.0	-4.59e-04
2230	171	-5.29	-9.23	-2.05	9.20e-04	0.0	3.58e-04
2230	176	9.85	5.22	-2.10	-4.07e-04	0.0	-5.72e-04
2230	177	7.94	0.34	-2.59	7.70e-05	0.0	-4.53e-04
2230	203	-5.39	-9.17	-2.04	9.11e-04	0.0	3.61e-04
2230	208	11.57	6.12	-2.21	-4.78e-04	0.0	-6.69e-04
2230	209	9.32	0.42	-2.78	8.55e-05	0.0	-5.28e-04
2230	235	-6.45	-10.71	-2.13	1.06e-03	0.0	4.31e-04
2231	28	0.31	-1.00	-2.52	1.36e-04	0.0	-7.87e-06
2231	44	0.27	-1.49	-2.31	1.60e-04	0.0	-8.60e-06
2231	52	0.32	-0.22	-2.46	8.58e-05	0.0	-5.98e-06
2231	80	0.22	-0.67	-1.79	9.38e-05	0.0	-5.57e-06
2231	88	0.19	-1.00	-1.65	1.09e-04	0.0	-6.06e-06
2231	92	0.22	-0.15	-1.75	6.01e-05	0.0	-4.31e-06
2231	98	0.18	-0.13	-1.50	4.91e-05	0.0	-3.76e-06
2231	105	0.18	-0.29	-1.45	5.81e-05	0.0	-4.07e-06
2231	107	0.18	-0.12	-1.44	4.68e-05	0.0	-3.65e-06
2231	112	9.01	4.85	-2.04	-4.03e-04	0.0	-5.34e-04
2231	113	7.29	0.26	-2.48	5.81e-05	0.0	-4.23e-04
2231	139	-4.79	-8.61	-1.98	8.82e-04	0.0	3.29e-04
2231	144	10.14	5.48	-2.11	-4.60e-04	0.0	-6.01e-04
2231	145	8.19	0.31	-2.61	5.94e-05	0.0	-4.76e-04
2231	171	-5.43	-9.67	-2.05	9.86e-04	0.0	3.72e-04
2231	176	10.16	5.42	-2.10	-4.48e-04	0.0	-5.93e-04
2231	177	8.20	0.29	-2.59	6.52e-05	0.0	-4.69e-04
2231	203	-5.54	-9.61	-2.04	9.74e-04	0.0	3.75e-04
2231	208	11.93	6.34	-2.21	-5.27e-04	0.0	-6.94e-04
2231	209	9.62	0.37	-2.78	7.05e-05	0.0	-5.46e-04
2231	235	-6.63	-11.22	-2.13	1.13e-03	0.0	4.47e-04
2232	16	-0.01	0.81	-1.17	-1.46e-04	0.0	8.61e-06
2232	18	-0.01	0.82	-1.80	-1.44e-04	0.0	1.05e-05
2232	28	-9.81e-03	-0.46	-2.20	1.07e-04	0.0	4.56e-06
2232	73	-9.99e-03	0.54	-0.86	-9.73e-05	0.0	6.02e-06
2232	75	-9.20e-03	0.55	-1.28	-9.55e-05	0.0	7.28e-06
2232	80	-7.46e-03	-0.30	-1.54	7.15e-05	0.0	3.32e-06

2232	98	-6.11e-03	0.02	-1.26	4.56e-06	0.0	4.16e-06
2232	102	-7.40e-03	0.12	-0.83	-1.74e-05	0.0	3.47e-06
2232	103	-6.73e-03	0.12	-1.19	-1.58e-05	0.0	4.55e-06
2232	106	-6.90e-03	0.01	-0.84	2.71e-06	0.0	2.90e-06
2232	107	-6.22e-03	0.02	-1.20	4.29e-06	0.0	3.98e-06
2232	115	-5.80	-2.67	-1.53	4.95e-04	-1.51e-05	3.61e-04
2232	127	0.23	-4.53	-1.70	8.98e-04	-1.12e-05	-2.20e-05
2232	136	3.26	4.80	-0.74	-9.79e-04	9.02e-06	-2.13e-04
2232	147	-6.54	-3.01	-1.58	5.56e-04	-1.71e-05	4.06e-04
2232	159	0.26	-5.09	-1.76	1.01e-03	-1.26e-05	-2.57e-05
2232	168	3.69	5.41	-0.68	-1.10e-03	1.02e-05	-2.41e-04
2232	179	-6.58	-2.98	-1.57	5.46e-04	-1.72e-05	4.05e-04
2232	191	0.28	-5.00	-1.75	9.88e-04	-1.26e-05	-2.80e-05
2232	200	3.77	5.37	-0.69	-1.09e-03	1.05e-05	-2.45e-04
2232	211	-7.75	-3.49	-1.64	6.34e-04	-2.02e-05	4.74e-04
2232	223	0.34	-5.81	-1.84	1.15e-03	-1.47e-05	-3.59e-05
2232	232	4.51	6.27	-0.60	-1.27e-03	1.26e-05	-2.94e-04
2233	18	0.06	0.90	-1.86	-1.22e-04	0.0	-2.76e-06
2233	28	0.07	-0.51	-2.28	1.28e-04	1.05e-06	-3.03e-06
2233	52	0.07	0.03	-2.23	3.14e-05	1.08e-06	-4.41e-06
2233	75	0.04	0.60	-1.32	-7.99e-05	0.0	-1.81e-06
2233	80	0.05	-0.34	-1.60	8.62e-05	0.0	-1.99e-06
2233	92	0.05	0.02	-1.56	2.20e-05	0.0	-2.91e-06
2233	98	0.04	0.02	-1.30	1.81e-05	0.0	-2.11e-06
2233	103	0.04	0.13	-1.23	-2.64e-06	0.0	-1.81e-06
2233	107	0.04	0.02	-1.24	1.72e-05	0.0	-1.90e-06
2233	112	6.39	2.96	-0.92	-4.67e-04	-5.12e-06	-4.15e-04
2233	127	0.31	-4.99	-1.72	9.06e-04	5.10e-06	-3.38e-05
2233	136	3.61	5.32	-0.81	-9.62e-04	-4.14e-06	-2.55e-04
2233	144	7.20	3.33	-0.87	-5.28e-04	-5.84e-06	-4.67e-04
2233	159	0.35	-5.62	-1.77	1.02e-03	5.65e-06	-3.83e-05
2233	168	4.08	5.98	-0.75	-1.09e-03	-4.74e-06	-2.88e-04
2233	176	7.23	3.30	-0.88	-5.18e-04	-5.79e-06	-4.65e-04
2233	191	0.36	-5.51	-1.77	9.96e-04	5.49e-06	-4.11e-05
2233	200	4.17	5.94	-0.75	-1.07e-03	-4.66e-06	-2.92e-04
2233	208	8.51	3.85	-0.81	-6.05e-04	-6.91e-06	-5.45e-04
2233	223	0.43	-6.40	-1.85	1.15e-03	6.29e-06	-5.07e-05
2233	232	4.97	6.94	-0.67	-1.25e-03	-5.64e-06	-3.48e-04
2234	18	0.06	0.90	-1.65	-1.19e-04	1.21e-04	-5.91e-06
2234	28	0.07	-0.50	-2.02	1.29e-04	1.34e-04	-6.21e-06
2234	52	0.07	0.03	-1.98	3.35e-05	1.34e-04	-7.78e-06
2234	75	0.04	0.60	-1.17	-7.82e-05	8.74e-05	-4.03e-06
2234	80	0.05	-0.34	-1.42	8.67e-05	9.61e-05	-4.23e-06
2234	92	0.05	0.02	-1.39	2.34e-05	9.60e-05	-5.28e-06
2234	98	0.04	0.02	-1.15	1.91e-05	8.31e-05	-4.08e-06
2234	103	0.04	0.14	-1.09	-1.64e-06	8.04e-05	-3.71e-06
2234	107	0.04	0.02	-1.10	1.81e-05	8.05e-05	-3.78e-06
2234	112	6.39	2.83	-1.06	-4.48e-04	1.16e-03	-4.19e-04
2234	133	-0.27	-4.41	-1.44	8.76e-04	-2.22e-06	2.14e-05
2234	136	3.61	5.28	-0.79	-9.56e-04	6.93e-04	-2.58e-04
2234	144	7.20	3.19	-1.05	-5.07e-04	1.30e-03	-4.72e-04
2234	165	-0.32	-4.97	-1.48	9.83e-04	-1.26e-05	2.50e-05
2234	168	4.08	5.94	-0.75	-1.08e-03	7.71e-04	-2.91e-04
2234	176	7.23	3.16	-1.05	-4.97e-04	1.30e-03	-4.70e-04
2234	197	-0.34	-4.91	-1.48	9.73e-04	-1.21e-05	2.64e-05
2234	200	4.17	5.89	-0.75	-1.07e-03	7.73e-04	-2.96e-04
2234	208	8.51	3.69	-1.04	-5.80e-04	1.50e-03	-5.51e-04
2234	229	-0.41	-5.72	-1.54	1.13e-03	-2.76e-05	3.37e-05
2234	232	4.97	6.88	-0.69	-1.25e-03	9.00e-04	-3.53e-04
2235	28	7.01e-03	-0.25	-0.15	0.0	4.45e-06	0.0
2235	44	5.51e-03	-0.38	-0.14	0.0	3.52e-06	0.0
2235	52	7.53e-03	-0.05	-0.14	0.0	4.78e-06	0.0
2235	80	4.87e-03	-0.17	-0.10	0.0	3.10e-06	0.0
2235	88	3.87e-03	-0.26	-0.10	0.0	2.48e-06	0.0
2235	92	5.21e-03	-0.03	-0.10	0.0	3.32e-06	0.0
2235	98	4.26e-03	-0.03	-0.08	0.0	2.74e-06	0.0
2235	105	3.88e-03	-0.07	-0.08	0.0	2.50e-06	0.0
2235	107	4.00e-03	-0.03	-0.08	0.0	2.58e-06	0.0
2235	112	2.72	-1.20	-0.11	0.0	1.69e-03	-2.21e-04
2235	129	1.51	-2.64	-0.19	0.0	9.43e-04	-1.33e-04
2235	144	3.06	-1.35	-0.11	0.0	1.91e-03	-2.49e-04
2235	161	1.71	-2.97	-0.21	0.0	1.07e-03	-1.50e-04
2235	176	3.08	-1.36	-0.11	0.0	1.92e-03	-2.50e-04
2235	193	1.75	-2.98	-0.21	0.0	1.09e-03	-1.54e-04
2235	208	3.63	-1.60	-0.11	0.0	2.26e-03	-2.95e-04

2235	225	2.09	-3.51	-0.23	0.0	1.30e-03	-1.85e-04
2236	28	0.13	-0.59	-2.32	1.52e-04	0.0	-2.43e-06
2236	48	0.10	-0.98	-1.70	1.95e-04	0.0	1.99e-06
2236	52	0.14	2.26e-03	-2.27	6.05e-05	0.0	-5.83e-06
2236	80	0.10	-0.39	-1.63	1.03e-04	0.0	-1.39e-06
2236	88	0.09	-0.65	-1.46	1.39e-04	0.0	1.24e-06
2236	92	0.10	1.87e-03	-1.59	4.25e-05	0.0	-3.66e-06
2236	98	0.08	2.10e-03	-1.33	3.50e-05	0.0	-2.32e-06
2236	102	0.06	0.13	-0.87	4.09e-06	0.0	0.0
2236	106	0.06	2.63e-03	-0.89	2.34e-05	0.0	0.0
2236	107	0.08	2.17e-03	-1.26	3.34e-05	0.0	-1.95e-06
2236	112	6.98	3.19	-0.96	-4.43e-04	0.0	-4.41e-04
2236	127	0.38	-5.47	-1.73	9.17e-04	0.0	-4.25e-05
2236	136	3.96	5.81	-0.83	-9.45e-04	0.0	-2.73e-04
2236	144	7.86	3.59	-0.92	-5.03e-04	0.0	-4.97e-04
2236	159	0.43	-6.15	-1.79	1.03e-03	0.0	-4.82e-05
2236	168	4.47	6.54	-0.78	-1.07e-03	0.0	-3.09e-04
2236	176	7.90	3.56	-0.92	-4.92e-04	0.0	-4.93e-04
2236	191	0.44	-6.03	-1.78	1.01e-03	0.0	-5.13e-05
2236	200	4.56	6.49	-0.78	-1.06e-03	0.0	-3.12e-04
2236	208	9.29	4.15	-0.86	-5.77e-04	0.0	-5.78e-04
2236	227	0.66	-7.06	-1.86	1.17e-03	0.0	-4.45e-05
2236	232	5.43	7.58	-0.70	-1.24e-03	0.0	-3.72e-04
2237	28	0.13	-0.59	-2.19	1.50e-04	1.21e-04	-1.79e-06
2237	48	0.10	-0.98	-1.60	1.93e-04	8.80e-05	2.54e-06
2237	52	0.14	1.94e-06	-2.15	6.02e-05	1.21e-04	-5.27e-06
2237	80	0.10	-0.39	-1.54	1.02e-04	8.68e-05	0.0
2237	88	0.09	-0.65	-1.38	1.37e-04	7.97e-05	1.68e-06
2237	92	0.10	4.31e-04	-1.51	4.21e-05	8.67e-05	-3.26e-06
2237	98	0.08	1.15e-03	-1.25	3.45e-05	7.50e-05	-1.99e-06
2237	102	0.06	0.13	-0.83	3.34e-06	5.83e-05	0.0
2237	106	0.06	2.62e-03	-0.84	2.26e-05	5.84e-05	0.0
2237	107	0.08	1.36e-03	-1.19	3.28e-05	7.27e-05	-1.63e-06
2237	112	6.98	3.05	-1.15	-4.30e-04	1.14e-03	-4.41e-04
2237	133	-0.27	-4.88	-1.59	8.89e-04	-9.24e-06	2.68e-05
2237	136	3.96	5.76	-0.83	-9.39e-04	6.75e-04	-2.73e-04
2237	144	7.86	3.44	-1.14	-4.88e-04	1.27e-03	-4.97e-04
2237	165	-0.32	-5.49	-1.64	9.96e-04	-1.95e-05	3.08e-05
2237	168	4.47	6.49	-0.79	-1.06e-03	7.52e-04	-3.08e-04
2237	176	7.89	3.40	-1.14	-4.78e-04	1.27e-03	-4.93e-04
2237	197	-0.34	-5.43	-1.63	9.86e-04	-1.90e-05	3.17e-05
2237	200	4.56	6.43	-0.79	-1.05e-03	7.54e-04	-3.12e-04
2237	208	9.29	3.97	-1.13	-5.61e-04	1.47e-03	-5.78e-04
2237	229	-0.42	-6.32	-1.71	1.14e-03	-3.43e-05	3.94e-05
2237	232	5.43	7.51	-0.72	-1.23e-03	8.79e-04	-3.71e-04
2238	28	0.20	-0.67	-2.39	1.61e-04	0.0	6.23e-06
2238	44	0.18	-1.09	-2.13	2.08e-04	0.0	1.06e-05
2238	52	0.20	-0.04	-2.33	7.53e-05	0.0	1.78e-06
2238	80	0.14	-0.45	-1.68	1.10e-04	0.0	4.97e-06
2238	88	0.13	-0.73	-1.51	1.41e-04	0.0	7.91e-06
2238	92	0.14	-0.03	-1.64	5.27e-05	0.0	2.01e-06
2238	98	0.12	-0.02	-1.36	4.34e-05	0.0	2.90e-06
2238	105	0.12	-0.16	-1.31	6.02e-05	0.0	4.21e-06
2238	107	0.12	-0.02	-1.30	4.13e-05	0.0	3.22e-06
2238	112	7.56	3.41	-1.02	-3.82e-05	0.0	-4.45e-04
2238	127	0.46	-5.95	-1.76	8.15e-04	0.0	-4.71e-05
2238	139	-4.07	-6.34	-1.75	1.03e-03	0.0	2.83e-04
2238	144	8.51	3.84	-0.99	-4.81e-05	0.0	-5.01e-04
2238	159	0.50	-6.68	-1.81	9.11e-04	0.0	-5.40e-05
2238	171	-4.61	-7.13	-1.80	1.16e-03	0.0	3.19e-04
2238	176	8.54	3.80	-0.99	-5.22e-05	0.0	-4.95e-04
2238	195	0.71	-6.59	-1.81	1.03e-03	0.0	-4.42e-05
2238	203	-4.71	-7.08	-1.80	1.14e-03	0.0	3.21e-04
2238	208	10.03	4.44	-0.94	-6.95e-05	0.0	-5.80e-04
2238	227	0.76	-7.67	-1.89	1.19e-03	0.0	-5.05e-05
2238	235	-5.64	-8.26	-1.88	1.33e-03	0.0	3.82e-04
2239	28	0.20	-0.67	-2.31	1.58e-04	9.96e-05	6.71e-06
2239	44	0.18	-1.09	-2.07	2.06e-04	9.01e-05	1.11e-05
2239	52	0.20	-0.04	-2.26	7.36e-05	9.95e-05	2.28e-06
2239	80	0.14	-0.45	-1.62	1.08e-04	7.12e-05	5.32e-06
2239	88	0.13	-0.73	-1.46	1.39e-04	6.49e-05	8.21e-06
2239	92	0.14	-0.03	-1.59	5.15e-05	7.12e-05	2.37e-06
2239	98	0.12	-0.02	-1.32	4.22e-05	6.12e-05	3.21e-06
2239	105	0.12	-0.16	-1.27	5.90e-05	5.91e-05	4.50e-06
2239	107	0.12	-0.02	-1.26	4.01e-05	5.91e-05	3.51e-06

2239	112	7.56	3.27	-1.21	-4.22e-04	1.07e-03	-4.45e-04
2239	133	-0.27	-5.34	-1.70	8.98e-04	-1.83e-05	3.52e-05
2239	139	-4.07	-6.29	-1.66	1.01e-03	-5.12e-04	2.84e-04
2239	144	8.51	3.68	-1.20	-4.80e-04	1.20e-03	-5.02e-04
2239	165	-0.33	-6.01	-1.75	1.01e-03	-2.80e-05	3.95e-05
2239	171	-4.61	-7.07	-1.71	1.13e-03	-5.85e-04	3.20e-04
2239	176	8.54	3.65	-1.20	-4.70e-04	1.19e-03	-4.96e-04
2239	197	-0.34	-5.95	-1.74	9.95e-04	-2.75e-05	4.00e-05
2239	203	-4.71	-7.01	-1.70	1.12e-03	-5.87e-04	3.22e-04
2239	208	10.04	4.26	-1.18	-5.53e-04	1.39e-03	-5.81e-04
2239	229	-0.44	-6.92	-1.82	1.15e-03	-4.20e-05	4.83e-05
2239	235	-5.64	-8.19	-1.78	1.30e-03	-7.06e-04	3.82e-04
2240	28	0.24	-0.76	-2.49	1.62e-04	0.0	8.60e-06
2240	44	0.22	-1.20	-2.23	2.04e-04	0.0	1.41e-05
2240	52	0.24	-0.08	-2.43	8.33e-05	0.0	3.12e-06
2240	80	0.17	-0.51	-1.75	1.11e-04	0.0	6.88e-06
2240	88	0.16	-0.80	-1.57	1.39e-04	0.0	1.06e-05
2240	92	0.17	-0.06	-1.71	5.82e-05	0.0	3.23e-06
2240	98	0.15	-0.04	-1.42	4.75e-05	0.0	4.40e-06
2240	105	0.15	-0.19	-1.37	6.27e-05	0.0	6.03e-06
2240	107	0.15	-0.04	-1.36	4.51e-05	0.0	4.82e-06
2240	112	8.13	3.63	-1.12	-4.36e-04	0.0	-4.54e-04
2240	139	-4.34	-6.89	-1.83	1.04e-03	0.0	2.99e-04
2240	144	9.14	4.10	-1.09	-4.96e-04	0.0	-5.12e-04
2240	171	-4.93	-7.75	-1.89	1.16e-03	0.0	3.37e-04
2240	176	9.17	4.05	-1.09	-4.85e-04	0.0	-5.02e-04
2240	203	-5.02	-7.69	-1.88	1.15e-03	0.0	3.37e-04
2240	208	10.77	4.74	-1.05	-5.71e-04	0.0	-5.87e-04
2240	235	-6.02	-8.97	-1.97	1.33e-03	0.0	4.00e-04
2241	28	0.24	-0.75	-2.41	1.63e-04	6.60e-05	9.29e-06
2241	44	0.22	-1.19	-2.15	2.06e-04	5.67e-05	1.47e-05
2241	52	0.24	-0.08	-2.35	8.39e-05	6.61e-05	4.32e-06
2241	80	0.17	-0.51	-1.69	1.12e-04	4.59e-05	7.56e-06
2241	88	0.16	-0.80	-1.52	1.40e-04	3.97e-05	1.12e-05
2241	92	0.17	-0.05	-1.65	5.87e-05	4.60e-05	4.25e-06
2241	98	0.15	-0.04	-1.38	4.81e-05	3.74e-05	5.55e-06
2241	105	0.15	-0.19	-1.32	6.34e-05	3.54e-05	7.12e-06
2241	107	0.15	-0.04	-1.31	4.57e-05	3.54e-05	6.01e-06
2241	112	8.11	3.48	-1.26	-4.16e-04	8.55e-04	-4.45e-04
2241	133	-0.29	-5.81	-1.78	9.03e-04	-2.47e-05	4.48e-05
2241	139	-4.34	-6.81	-1.74	1.02e-03	-4.26e-04	2.94e-04
2241	144	9.13	3.93	-1.25	-4.74e-04	9.59e-04	-5.02e-04
2241	165	-0.34	-6.54	-1.84	1.01e-03	-3.22e-05	5.00e-05
2241	171	-4.92	-7.67	-1.79	1.14e-03	-4.85e-04	3.31e-04
2241	176	9.16	3.89	-1.24	-4.63e-04	9.54e-04	-4.93e-04
2241	197	-0.36	-6.47	-1.83	1.00e-03	-3.20e-05	5.08e-05
2241	203	-5.02	-7.60	-1.79	1.13e-03	-4.87e-04	3.31e-04
2241	208	10.76	4.54	-1.23	-5.46e-04	1.11e-03	-5.75e-04
2241	229	-0.46	-7.52	-1.91	1.16e-03	-4.34e-05	6.08e-05
2241	235	-6.01	-8.87	-1.86	1.31e-03	-5.84e-04	3.92e-04
2242	28	0.26	-0.84	-2.55	1.65e-04	0.0	0.0
2242	44	0.23	-1.30	-2.28	2.02e-04	0.0	3.84e-06
2242	52	0.26	-0.12	-2.49	9.09e-05	0.0	-2.91e-06
2242	80	0.18	-0.56	-1.79	1.13e-04	0.0	0.0
2242	88	0.16	-0.87	-1.61	1.37e-04	0.0	2.75e-06
2242	92	0.18	-0.09	-1.75	6.34e-05	0.0	-1.75e-06
2242	98	0.16	-0.07	-1.46	5.17e-05	0.0	0.0
2242	105	0.15	-0.22	-1.40	6.54e-05	0.0	0.0
2242	107	0.15	-0.07	-1.39	4.90e-05	0.0	0.0
2242	112	8.41	3.85	-1.16	-4.15e-04	0.0	-5.05e-04
2242	139	-4.49	-7.41	-1.87	1.01e-03	0.0	3.25e-04
2242	144	9.46	4.34	-1.13	-4.73e-04	0.0	-5.69e-04
2242	171	-5.10	-8.33	-1.94	1.13e-03	0.0	3.67e-04
2242	176	9.49	4.30	-1.13	-4.63e-04	0.0	-5.62e-04
2242	203	-5.20	-8.26	-1.93	1.12e-03	0.0	3.70e-04
2242	208	11.14	5.02	-1.09	-5.47e-04	0.0	-6.57e-04
2242	235	-6.22	-9.64	-2.02	1.29e-03	0.0	4.41e-04
2243	28	0.26	-0.84	-2.49	1.68e-04	4.48e-05	0.0
2243	44	0.23	-1.30	-2.23	2.06e-04	3.45e-05	2.97e-06
2243	52	0.26	-0.12	-2.44	9.33e-05	4.50e-05	-4.40e-06
2243	80	0.18	-0.56	-1.75	1.15e-04	2.94e-05	0.0
2243	88	0.17	-0.87	-1.57	1.40e-04	2.25e-05	2.15e-06
2243	92	0.18	-0.08	-1.71	6.52e-05	2.95e-05	-2.76e-06
2243	98	0.16	-0.07	-1.42	5.35e-05	2.11e-05	-1.69e-06
2243	105	0.15	-0.22	-1.37	6.75e-05	1.88e-05	0.0

2243	107	0.15	-0.06	-1.36	5.08e-05	1.89e-05	-1.42e-06
2243	112	8.42	3.69	-1.30	-4.18e-04	6.84e-04	-5.02e-04
2243	133	-0.30	-6.26	-1.85	9.22e-04	-2.64e-05	3.97e-05
2243	139	-4.50	-7.32	-1.81	1.04e-03	-3.53e-04	3.16e-04
2243	144	9.47	4.16	-1.29	-4.77e-04	7.68e-04	-5.65e-04
2243	165	-0.36	-7.04	-1.92	1.03e-03	-3.22e-05	4.53e-05
2243	171	-5.10	-8.23	-1.86	1.16e-03	-4.01e-04	3.57e-04
2243	176	9.50	4.11	-1.29	-4.67e-04	7.64e-04	-5.58e-04
2243	197	-0.38	-6.96	-1.90	1.02e-03	-3.22e-05	4.73e-05
2243	203	-5.20	-8.16	-1.86	1.15e-03	-4.03e-04	3.59e-04
2243	208	11.15	4.81	-1.28	-5.51e-04	8.93e-04	-6.52e-04
2243	229	-0.48	-8.10	-1.99	1.18e-03	-4.11e-05	5.85e-05
2243	235	-6.23	-9.51	-1.94	1.33e-03	-4.81e-04	4.29e-04
2244	28	0.28	-0.92	-2.62	1.68e-04	0.0	-1.02e-05
2244	44	0.25	-1.40	-2.34	2.01e-04	0.0	-9.77e-06
2244	52	0.29	-0.17	-2.56	1.00e-04	0.0	-9.37e-06
2244	80	0.20	-0.62	-1.84	1.16e-04	0.0	-7.12e-06
2244	88	0.18	-0.94	-1.66	1.38e-04	0.0	-6.84e-06
2244	92	0.20	-0.12	-1.80	7.08e-05	0.0	-6.58e-06
2244	98	0.17	-0.10	-1.50	5.90e-05	0.0	-5.26e-06
2244	105	0.16	-0.26	-1.44	7.14e-05	0.0	-5.23e-06
2244	107	0.16	-0.09	-1.43	5.63e-05	0.0	-5.05e-06
2244	112	8.75	4.05	-1.19	-3.68e-04	0.0	-5.01e-04
2244	139	-4.67	-7.90	-1.93	9.39e-04	0.0	3.04e-04
2244	144	9.85	4.57	-1.16	-4.21e-04	0.0	-5.63e-04
2244	171	-5.30	-8.88	-1.99	1.05e-03	0.0	3.44e-04
2244	176	9.87	4.52	-1.17	-4.11e-04	0.0	-5.55e-04
2244	203	-5.40	-8.81	-1.98	1.04e-03	0.0	3.44e-04
2244	208	11.60	5.28	-1.13	-4.87e-04	0.0	-6.47e-04
2244	235	-6.47	-10.27	-2.07	1.20e-03	0.0	4.10e-04
2245	28	0.27	-0.92	-2.60	1.69e-04	5.09e-05	-1.44e-05
2245	44	0.23	-1.40	-2.32	2.03e-04	4.07e-05	-1.30e-05
2245	52	0.27	-0.17	-2.54	1.00e-04	5.11e-05	-1.62e-05
2245	80	0.19	-0.62	-1.82	1.16e-04	3.39e-05	-1.09e-05
2245	88	0.16	-0.94	-1.64	1.39e-04	2.71e-05	-9.94e-06
2245	92	0.19	-0.12	-1.78	7.05e-05	3.40e-05	-1.21e-05
2245	98	0.16	-0.09	-1.48	5.89e-05	2.50e-05	-1.09e-05
2245	105	0.15	-0.26	-1.43	7.16e-05	2.27e-05	-1.05e-05
2245	107	0.15	-0.09	-1.41	5.63e-05	2.27e-05	-1.09e-05
2245	112	8.75	3.91	-1.36	-3.62e-04	6.10e-04	-5.21e-04
2245	133	-0.32	-6.76	-1.93	8.41e-04	-1.58e-05	3.16e-05
2245	139	-4.69	-7.87	-1.88	9.44e-04	-3.05e-04	3.13e-04
2245	144	9.85	4.42	-1.35	-4.15e-04	6.84e-04	-5.85e-04
2245	165	-0.39	-7.59	-1.99	9.39e-04	-2.07e-05	3.74e-05
2245	171	-5.31	-8.85	-1.94	1.05e-03	-3.47e-04	3.54e-04
2245	176	9.87	4.37	-1.35	-4.05e-04	6.81e-04	-5.77e-04
2245	197	-0.40	-7.51	-1.98	9.30e-04	-2.09e-05	3.92e-05
2245	203	-5.41	-8.77	-1.93	1.04e-03	-3.49e-04	3.56e-04
2245	208	11.60	5.11	-1.33	-4.80e-04	7.95e-04	-6.72e-04
2245	229	-0.51	-8.73	-2.08	1.07e-03	-2.85e-05	5.07e-05
2245	235	-6.48	-10.23	-2.02	1.21e-03	-4.18e-04	4.26e-04
2246	28	0.31	-1.01	-2.71	1.42e-04	0.0	-5.91e-06
2246	44	0.27	-1.50	-2.43	1.71e-04	0.0	-5.90e-06
2246	52	0.32	-0.22	-2.65	8.61e-05	0.0	-5.14e-06
2246	80	0.22	-0.68	-1.90	9.90e-05	0.0	-4.17e-06
2246	88	0.19	-1.01	-1.71	1.19e-04	0.0	-4.16e-06
2246	92	0.22	-0.16	-1.86	6.20e-05	0.0	-3.66e-06
2246	98	0.18	-0.13	-1.55	5.40e-05	0.0	-3.09e-06
2246	105	0.18	-0.30	-1.49	6.47e-05	0.0	-3.15e-06
2246	107	0.18	-0.12	-1.47	5.23e-05	0.0	-2.98e-06
2246	112	9.01	4.21	-1.23	-2.04e-04	0.0	-5.50e-04
2246	139	-4.79	-8.34	-1.98	5.68e-04	0.0	3.42e-04
2246	144	10.14	4.75	-1.20	-2.37e-04	0.0	-6.19e-04
2246	171	-5.43	-9.37	-2.05	6.33e-04	0.0	3.87e-04
2246	176	10.16	4.70	-1.20	-2.32e-04	0.0	-6.13e-04
2246	203	-5.54	-9.29	-2.04	6.26e-04	0.0	3.91e-04
2246	208	11.93	5.50	-1.16	-2.79e-04	0.0	-7.17e-04
2246	235	-6.63	-10.83	-2.13	7.22e-04	0.0	4.67e-04
2247	28	0.31	-1.01	-2.77	1.27e-04	1.31e-04	-6.22e-06
2247	44	0.27	-1.50	-2.47	1.55e-04	1.23e-04	-5.54e-06
2247	52	0.32	-0.23	-2.71	7.70e-05	1.31e-04	-6.34e-06
2247	80	0.22	-0.68	-1.94	9.01e-05	9.49e-05	-4.44e-06
2247	88	0.19	-1.01	-1.75	1.09e-04	8.93e-05	-3.99e-06
2247	92	0.22	-0.16	-1.90	5.69e-05	9.50e-05	-4.52e-06
2247	98	0.18	-0.13	-1.58	5.30e-05	8.20e-05	-3.82e-06

2247	105	0.18	-0.30	-1.52	6.31e-05	8.01e-05	-3.66e-06
2247	107	0.18	-0.12	-1.51	5.21e-05	8.01e-05	-3.69e-06
2247	112	9.02	4.04	-1.45	-4.83e-06	5.05e-04	-5.59e-04
2247	133	-0.31	-7.11	-2.04	5.60e-04	5.40e-05	4.06e-05
2247	139	-4.79	-8.26	-1.99	5.61e-04	-1.55e-04	3.47e-04
2247	144	10.14	4.56	-1.45	-1.19e-05	5.59e-04	-6.29e-04
2247	165	-0.38	-7.98	-2.11	6.23e-04	5.07e-05	4.67e-05
2247	171	-5.44	-9.29	-2.05	6.24e-04	-1.85e-04	3.93e-04
2247	176	10.17	4.51	-1.44	-1.40e-05	5.57e-04	-6.23e-04
2247	197	-0.39	-7.90	-2.10	6.15e-04	5.05e-05	4.94e-05
2247	203	-5.54	-9.20	-2.04	6.17e-04	-1.87e-04	3.97e-04
2247	208	11.94	5.28	-1.43	-2.61e-05	6.39e-04	-7.28e-04
2247	229	-0.50	-9.18	-2.19	7.07e-04	4.53e-05	6.20e-05
2247	235	-6.63	-10.72	-2.13	7.10e-04	-2.36e-04	4.74e-04
2248	28	0.25	-0.85	-2.55	1.55e-04	0.0	9.13e-06
2248	44	0.22	-1.30	-2.32	1.97e-04	0.0	-2.25e-06
2248	52	0.25	-0.14	-2.49	7.75e-05	0.0	2.28e-05
2248	80	0.18	-0.57	-1.81	1.06e-04	0.0	7.17e-06
2248	88	0.16	-0.87	-1.65	1.34e-04	0.0	0.0
2248	92	0.18	-0.10	-1.77	5.44e-05	0.0	1.63e-05
2248	98	0.15	-0.08	-1.50	4.50e-05	0.0	1.40e-05
2248	105	0.15	-0.23	-1.45	6.00e-05	0.0	1.04e-05
2248	107	0.15	-0.08	-1.44	4.28e-05	0.0	1.35e-05
2248	112	8.39	4.28	-1.79	-3.74e-04	0.0	-5.24e-04
2248	133	-0.30	-6.27	-2.24	7.57e-04	0.0	8.78e-05
2248	139	-4.49	-7.67	-1.95	8.72e-04	0.0	3.75e-04
2248	144	9.44	4.83	-1.84	-4.26e-04	0.0	-5.92e-04
2248	165	-0.36	-7.04	-2.34	8.46e-04	0.0	9.78e-05
2248	171	-5.09	-8.62	-2.01	9.76e-04	0.0	4.22e-04
2248	176	9.47	4.78	-1.83	-4.16e-04	0.0	-5.86e-04
2248	197	-0.38	-6.98	-2.32	8.38e-04	0.0	1.02e-04
2248	203	-5.19	-8.56	-2.01	9.65e-04	0.0	4.26e-04
2248	208	11.12	5.59	-1.89	-4.90e-04	0.0	-6.89e-04
2248	229	-0.48	-8.12	-2.47	9.70e-04	0.0	1.20e-04
2248	235	-6.22	-10.00	-2.09	1.12e-03	0.0	5.05e-04
2249	28	0.22	-0.77	-2.55	1.55e-04	0.0	1.43e-05
2249	44	0.20	-1.20	-2.32	1.97e-04	0.0	0.0
2249	52	0.22	-0.10	-2.49	7.74e-05	0.0	3.14e-05
2249	80	0.16	-0.52	-1.81	1.06e-04	0.0	1.08e-05
2249	88	0.15	-0.80	-1.65	1.34e-04	0.0	0.0
2249	92	0.16	-0.07	-1.77	5.43e-05	0.0	2.22e-05
2249	98	0.14	-0.06	-1.50	4.49e-05	0.0	1.87e-05
2249	105	0.14	-0.20	-1.45	5.99e-05	0.0	1.41e-05
2249	107	0.14	-0.06	-1.44	4.28e-05	0.0	1.79e-05
2249	112	8.12	4.10	-1.78	-3.77e-04	0.0	-5.20e-04
2249	133	-0.30	-5.89	-2.23	7.62e-04	0.0	1.11e-04
2249	139	-4.36	-7.23	-1.95	8.78e-04	0.0	3.94e-04
2249	144	9.14	4.62	-1.83	-4.30e-04	0.0	-5.88e-04
2249	165	-0.35	-6.62	-2.33	8.52e-04	0.0	1.24e-04
2249	171	-4.94	-8.13	-2.01	9.82e-04	0.0	4.43e-04
2249	176	9.17	4.57	-1.82	-4.20e-04	0.0	-5.82e-04
2249	197	-0.37	-6.56	-2.32	8.43e-04	0.0	1.28e-04
2249	203	-5.04	-8.08	-2.00	9.72e-04	0.0	4.48e-04
2249	208	10.77	5.35	-1.88	-4.94e-04	0.0	-6.85e-04
2249	229	-0.47	-7.63	-2.46	9.76e-04	0.0	1.50e-04
2249	235	-6.03	-9.44	-2.09	1.13e-03	0.0	5.29e-04
2250	28	0.28	-0.92	-2.55	1.55e-04	0.0	2.51e-06
2250	44	0.25	-1.40	-2.32	1.97e-04	0.0	-4.17e-06
2250	52	0.28	-0.18	-2.49	7.78e-05	0.0	1.14e-05
2250	80	0.20	-0.62	-1.81	1.06e-04	0.0	2.36e-06
2250	88	0.17	-0.94	-1.65	1.34e-04	0.0	-2.09e-06
2250	92	0.20	-0.13	-1.77	5.46e-05	0.0	8.26e-06
2250	98	0.17	-0.10	-1.50	4.52e-05	0.0	7.33e-06
2250	105	0.16	-0.26	-1.45	6.02e-05	0.0	5.19e-06
2250	107	0.16	-0.10	-1.44	4.31e-05	0.0	7.15e-06
2250	112	8.74	4.46	-1.79	-3.64e-04	0.0	-5.23e-04
2250	133	-0.31	-6.64	-2.24	7.45e-04	0.0	5.75e-05
2250	139	-4.67	-8.10	-1.95	8.57e-04	0.0	3.46e-04
2250	144	9.83	5.04	-1.84	-4.15e-04	0.0	-5.90e-04
2250	165	-0.38	-7.46	-2.34	8.33e-04	0.0	6.45e-05
2250	171	-5.29	-9.10	-2.02	9.59e-04	0.0	3.90e-04
2250	176	9.86	4.98	-1.83	-4.06e-04	0.0	-5.83e-04
2250	197	-0.39	-7.39	-2.33	8.24e-04	0.0	6.73e-05
2250	203	-5.39	-9.04	-2.01	9.49e-04	0.0	3.93e-04
2250	208	11.57	5.83	-1.90	-4.78e-04	0.0	-6.84e-04

2250	229	-0.50	-8.60	-2.47	9.54e-04	0.0	8.10e-05
2250	235	-6.46	-10.55	-2.09	1.10e-03	0.0	4.67e-04
2251	28	0.31	-1.00	-2.55	1.55e-04	0.0	-5.19e-06
2251	44	0.27	-1.49	-2.32	1.97e-04	0.0	-6.67e-06
2251	52	0.32	-0.22	-2.49	7.79e-05	0.0	-2.56e-06
2251	80	0.22	-0.68	-1.81	1.06e-04	0.0	-3.58e-06
2251	88	0.19	-1.00	-1.65	1.34e-04	0.0	-4.57e-06
2251	92	0.22	-0.15	-1.77	5.47e-05	0.0	-1.83e-06
2251	98	0.18	-0.13	-1.50	4.53e-05	0.0	-1.57e-06
2251	105	0.18	-0.29	-1.45	6.03e-05	0.0	-2.10e-06
2251	107	0.18	-0.12	-1.44	4.32e-05	0.0	-1.51e-06
2251	112	9.01	4.64	-1.79	-3.59e-04	0.0	-5.30e-04
2251	133	-0.31	-7.01	-2.24	7.38e-04	0.0	4.02e-05
2251	139	-4.79	-8.52	-1.95	8.49e-04	0.0	3.31e-04
2251	144	10.14	5.24	-1.84	-4.09e-04	0.0	-5.97e-04
2251	165	-0.38	-7.87	-2.34	8.25e-04	0.0	4.59e-05
2251	171	-5.43	-9.57	-2.02	9.50e-04	0.0	3.74e-04
2251	176	10.16	5.18	-1.83	-4.00e-04	0.0	-5.90e-04
2251	197	-0.39	-7.80	-2.33	8.17e-04	0.0	4.78e-05
2251	203	-5.53	-9.50	-2.01	9.39e-04	0.0	3.76e-04
2251	208	11.93	6.06	-1.90	-4.71e-04	0.0	-6.90e-04
2251	229	-0.50	-9.07	-2.47	9.45e-04	0.0	5.92e-05
2251	235	-6.63	-11.09	-2.09	1.09e-03	0.0	4.49e-04
2252	28	0.25	-0.84	-2.57	1.60e-04	0.0	9.33e-06
2252	44	0.23	-1.30	-2.32	1.98e-04	0.0	-2.35e-06
2252	52	0.25	-0.13	-2.52	8.67e-05	0.0	2.34e-05
2252	80	0.18	-0.57	-1.82	1.10e-04	0.0	7.34e-06
2252	88	0.16	-0.87	-1.65	1.35e-04	0.0	0.0
2252	92	0.18	-0.09	-1.78	6.08e-05	0.0	1.67e-05
2252	98	0.15	-0.08	-1.49	5.02e-05	0.0	1.44e-05
2252	105	0.15	-0.23	-1.44	6.41e-05	0.0	1.07e-05
2252	107	0.15	-0.07	-1.43	4.78e-05	0.0	1.39e-05
2252	112	8.40	4.07	-1.52	-3.83e-04	0.0	-5.22e-04
2252	133	-0.30	-6.26	-2.05	8.09e-04	0.0	8.73e-05
2252	139	-4.49	-7.54	-1.91	9.24e-04	0.0	3.73e-04
2252	144	9.45	4.59	-1.53	-4.37e-04	0.0	-5.90e-04
2252	165	-0.36	-7.04	-2.13	9.05e-04	0.0	9.71e-05
2252	171	-5.09	-8.48	-1.98	1.03e-03	0.0	4.20e-04
2252	176	9.47	4.54	-1.53	-4.27e-04	0.0	-5.84e-04
2252	197	-0.38	-6.97	-2.11	8.96e-04	0.0	1.01e-04
2252	203	-5.19	-8.41	-1.97	1.02e-03	0.0	4.24e-04
2252	208	11.13	5.31	-1.54	-5.04e-04	0.0	-6.86e-04
2252	229	-0.48	-8.11	-2.22	1.04e-03	0.0	1.19e-04
2252	235	-6.22	-9.82	-2.06	1.18e-03	0.0	5.03e-04
2253	28	0.23	-0.76	-2.57	1.60e-04	0.0	1.34e-05
2253	44	0.21	-1.20	-2.32	1.98e-04	0.0	0.0
2253	52	0.23	-0.09	-2.51	8.60e-05	0.0	2.93e-05
2253	80	0.17	-0.51	-1.81	1.09e-04	0.0	9.97e-06
2253	88	0.15	-0.80	-1.64	1.35e-04	0.0	0.0
2253	92	0.17	-0.06	-1.77	6.03e-05	0.0	2.05e-05
2253	98	0.15	-0.05	-1.49	4.97e-05	0.0	1.71e-05
2253	105	0.14	-0.20	-1.44	6.37e-05	0.0	1.27e-05
2253	107	0.14	-0.05	-1.42	4.73e-05	0.0	1.62e-05
2253	112	8.14	3.88	-1.52	-3.88e-04	0.0	-5.45e-04
2253	133	-0.29	-5.86	-2.05	8.17e-04	0.0	1.39e-04
2253	139	-4.36	-7.07	-1.91	9.32e-04	0.0	4.30e-04
2253	144	9.16	4.37	-1.54	-4.43e-04	0.0	-6.16e-04
2253	165	-0.35	-6.58	-2.13	9.13e-04	0.0	1.55e-04
2253	171	-4.94	-7.96	-1.98	1.04e-03	0.0	4.83e-04
2253	176	9.19	4.32	-1.53	-4.33e-04	0.0	-6.10e-04
2253	197	-0.37	-6.52	-2.12	9.04e-04	0.0	1.59e-04
2253	203	-5.04	-7.90	-1.97	1.03e-03	0.0	4.88e-04
2253	208	10.79	5.06	-1.55	-5.11e-04	0.0	-7.17e-04
2253	229	-0.47	-7.59	-2.23	1.05e-03	0.0	1.87e-04
2253	235	-6.04	-9.22	-2.06	1.20e-03	0.0	5.77e-04
2254	28	0.28	-0.92	-2.58	1.61e-04	0.0	3.37e-06
2254	44	0.25	-1.40	-2.33	1.99e-04	0.0	-3.82e-06
2254	52	0.28	-0.18	-2.52	8.89e-05	0.0	1.33e-05
2254	80	0.20	-0.62	-1.82	1.11e-04	0.0	3.19e-06
2254	88	0.18	-0.94	-1.65	1.36e-04	0.0	-1.61e-06
2254	92	0.20	-0.12	-1.78	6.26e-05	0.0	9.79e-06
2254	98	0.17	-0.10	-1.49	5.20e-05	0.0	8.91e-06
2254	105	0.16	-0.26	-1.44	6.57e-05	0.0	6.58e-06
2254	107	0.16	-0.10	-1.43	4.96e-05	0.0	8.77e-06
2254	112	8.75	4.25	-1.52	-3.69e-04	0.0	-5.13e-04

2254	133	-0.31	-6.66	-2.05	7.91e-04	0.0	5.23e-05
2254	139	-4.67	-7.99	-1.91	9.02e-04	0.0	3.37e-04
2254	144	9.84	4.80	-1.54	-4.21e-04	0.0	-5.80e-04
2254	165	-0.38	-7.48	-2.13	8.84e-04	0.0	5.83e-05
2254	171	-5.30	-8.98	-1.97	1.01e-03	0.0	3.80e-04
2254	176	9.87	4.74	-1.53	-4.11e-04	0.0	-5.73e-04
2254	197	-0.39	-7.41	-2.11	8.75e-04	0.0	6.06e-05
2254	203	-5.40	-8.91	-1.97	9.98e-04	0.0	3.83e-04
2254	208	11.59	5.55	-1.54	-4.86e-04	0.0	-6.72e-04
2254	229	-0.50	-8.62	-2.22	1.01e-03	0.0	7.26e-05
2254	235	-6.46	-10.40	-2.06	1.16e-03	0.0	4.54e-04
2255	28	0.31	-1.00	-2.58	1.62e-04	0.0	-4.90e-06
2255	44	0.27	-1.50	-2.32	1.99e-04	0.0	-6.33e-06
2255	52	0.32	-0.22	-2.52	9.08e-05	0.0	-2.39e-06
2255	80	0.22	-0.68	-1.82	1.11e-04	0.0	-3.38e-06
2255	88	0.19	-1.01	-1.65	1.36e-04	0.0	-4.33e-06
2255	92	0.22	-0.16	-1.78	6.41e-05	0.0	-1.71e-06
2255	98	0.18	-0.13	-1.49	5.35e-05	0.0	-1.46e-06
2255	105	0.18	-0.30	-1.44	6.70e-05	0.0	-1.97e-06
2255	107	0.18	-0.12	-1.43	5.12e-05	0.0	-1.41e-06
2255	112	9.01	4.42	-1.52	-3.57e-04	0.0	-5.31e-04
2255	133	-0.31	-7.04	-2.05	7.77e-04	0.0	4.11e-05
2255	139	-4.79	-8.43	-1.91	8.85e-04	0.0	3.32e-04
2255	144	10.14	5.00	-1.54	-4.08e-04	0.0	-5.99e-04
2255	165	-0.38	-7.91	-2.13	8.68e-04	0.0	4.70e-05
2255	171	-5.43	-9.47	-1.97	9.89e-04	0.0	3.75e-04
2255	176	10.16	4.94	-1.53	-3.99e-04	0.0	-5.91e-04
2255	197	-0.39	-7.83	-2.11	8.59e-04	0.0	4.89e-05
2255	203	-5.53	-9.40	-1.97	9.79e-04	0.0	3.78e-04
2255	208	11.93	5.78	-1.54	-4.72e-04	0.0	-6.91e-04
2255	229	-0.50	-9.11	-2.22	9.92e-04	0.0	6.06e-05
2255	235	-6.63	-10.96	-2.06	1.13e-03	0.0	4.51e-04
2256	18	0.06	0.89	-2.19	-1.11e-04	0.0	-1.57e-05
2256	28	0.07	-0.52	-2.66	1.30e-04	0.0	-1.68e-05
2256	52	0.07	0.02	-2.60	3.84e-05	0.0	-1.87e-05
2256	75	0.04	0.59	-1.56	-7.32e-05	0.0	-1.11e-05
2256	80	0.05	-0.35	-1.87	8.74e-05	0.0	-1.18e-05
2256	92	0.05	0.01	-1.83	2.66e-05	0.0	-1.31e-05
2256	98	0.04	9.92e-03	-1.53	2.14e-05	0.0	-1.08e-05
2256	103	0.04	0.13	-1.45	0.0	0.0	-1.01e-05
2256	107	0.04	9.72e-03	-1.46	2.02e-05	0.0	-1.02e-05
2256	112	6.39	2.62	-1.55	-4.21e-04	-4.78e-06	-3.97e-04
2256	133	-0.27	-4.47	-2.06	9.04e-04	-4.90e-06	1.37e-05
2256	136	3.61	5.20	-0.98	-9.61e-04	0.0	-2.47e-04
2256	144	7.20	2.95	-1.56	-4.76e-04	-5.34e-06	-4.46e-04
2256	165	-0.32	-5.04	-2.14	1.01e-03	-5.46e-06	1.71e-05
2256	168	4.08	5.85	-0.92	-1.08e-03	0.0	-2.77e-04
2256	176	7.23	2.92	-1.55	-4.66e-04	-5.39e-06	-4.43e-04
2256	197	-0.34	-4.98	-2.13	1.00e-03	-5.38e-06	1.79e-05
2256	200	4.17	5.80	-0.93	-1.07e-03	0.0	-2.80e-04
2256	208	8.51	3.41	-1.57	-5.45e-04	-6.28e-06	-5.18e-04
2256	229	-0.41	-5.80	-2.24	1.16e-03	-6.23e-06	2.45e-05
2256	232	4.97	6.77	-0.85	-1.25e-03	0.0	-3.33e-04
2257	16	-0.01	0.82	-1.44	-1.31e-04	0.0	-1.21e-06
2257	18	-0.01	0.82	-2.16	-1.22e-04	1.09e-06	-3.21e-06
2257	28	-0.01	-0.46	-2.62	1.20e-04	0.0	-9.30e-06
2257	73	-0.01	0.54	-1.06	-8.70e-05	0.0	-1.14e-06
2257	75	-9.72e-03	0.55	-1.54	-8.06e-05	0.0	-2.47e-06
2257	80	-8.03e-03	-0.31	-1.84	8.07e-05	0.0	-6.53e-06
2257	98	-6.60e-03	0.02	-1.51	1.51e-05	0.0	-4.68e-06
2257	102	-7.78e-03	0.12	-1.01	-1.08e-05	0.0	-2.85e-06
2257	103	-7.20e-03	0.12	-1.42	-5.22e-06	0.0	-3.99e-06
2257	106	-7.27e-03	0.01	-1.03	8.61e-06	0.0	-3.35e-06
2257	107	-6.70e-03	0.02	-1.44	1.41e-05	0.0	-4.49e-06
2257	115	-5.81	-2.37	-1.36	4.55e-04	3.48e-06	3.52e-04
2257	133	-0.28	-4.00	-2.06	9.04e-04	5.60e-06	1.76e-05
2257	136	3.26	4.69	-0.95	-9.71e-04	-4.52e-06	-2.22e-04
2257	147	-6.54	-2.67	-1.34	5.10e-04	3.84e-06	3.98e-04
2257	165	-0.32	-4.51	-2.13	1.01e-03	6.22e-06	2.07e-05
2257	168	3.69	5.28	-0.88	-1.09e-03	-5.15e-06	-2.50e-04
2257	179	-6.58	-2.65	-1.35	5.00e-04	3.69e-06	3.96e-04
2257	197	-0.34	-4.45	-2.12	1.00e-03	6.12e-06	2.24e-05
2257	200	3.77	5.23	-0.89	-1.08e-03	-5.06e-06	-2.54e-04
2257	211	-7.75	-3.10	-1.33	5.79e-04	4.15e-06	4.65e-04
2257	229	-0.41	-5.19	-2.23	1.17e-03	7.03e-06	2.92e-05

2257	232	4.51	6.11	-0.80	-1.26e-03	-5.97e-06	-3.03e-04
2258	28	0.13	-0.59	-2.67	1.43e-04	0.0	-1.28e-05
2258	44	0.12	-0.98	-2.40	1.94e-04	0.0	-7.18e-06
2258	52	0.14	-8.82e-03	-2.62	5.47e-05	0.0	-1.74e-05
2258	80	0.10	-0.40	-1.88	9.69e-05	0.0	-8.98e-06
2258	88	0.09	-0.65	-1.70	1.31e-04	0.0	-5.21e-06
2258	92	0.10	-5.58e-03	-1.84	3.81e-05	0.0	-1.21e-05
2258	98	0.08	-3.52e-03	-1.54	3.09e-05	0.0	-9.68e-06
2258	105	0.08	-0.13	-1.48	4.89e-05	0.0	-8.08e-06
2258	107	0.08	-2.98e-03	-1.47	2.93e-05	0.0	-9.11e-06
2258	112	6.98	2.84	-1.56	-4.11e-04	0.0	-4.22e-04
2258	133	-0.27	-4.95	-2.07	9.00e-04	0.0	1.93e-05
2258	139	-3.80	-5.70	-1.94	1.00e-03	0.0	2.47e-04
2258	144	7.86	3.19	-1.57	-4.66e-04	0.0	-4.74e-04
2258	165	-0.32	-5.57	-2.14	1.01e-03	0.0	2.31e-05
2258	171	-4.31	-6.42	-2.00	1.12e-03	0.0	2.80e-04
2258	176	7.89	3.16	-1.56	-4.57e-04	0.0	-4.70e-04
2258	197	-0.34	-5.50	-2.13	9.98e-04	0.0	2.30e-05
2258	203	-4.40	-6.36	-1.99	1.11e-03	0.0	2.81e-04
2258	208	9.28	3.69	-1.58	-5.36e-04	0.0	-5.49e-04
2258	229	-0.42	-6.40	-2.24	1.16e-03	0.0	2.99e-05
2258	235	-5.27	-7.42	-2.07	1.29e-03	0.0	3.37e-04
2259	28	0.20	-0.67	-2.69	1.54e-04	0.0	-7.48e-06
2259	44	0.18	-1.08	-2.41	2.01e-04	0.0	-1.30e-06
2259	52	0.20	-0.04	-2.63	7.01e-05	0.0	-1.34e-05
2259	80	0.14	-0.45	-1.89	1.05e-04	0.0	-5.19e-06
2259	88	0.13	-0.72	-1.70	1.36e-04	0.0	-1.06e-06
2259	92	0.14	-0.03	-1.85	4.90e-05	0.0	-9.10e-06
2259	98	0.12	-0.02	-1.54	4.00e-05	0.0	-7.10e-06
2259	105	0.12	-0.16	-1.49	5.67e-05	0.0	-5.29e-06
2259	107	0.12	-0.02	-1.47	3.80e-05	0.0	-6.60e-06
2259	112	7.56	3.05	-1.56	-3.99e-04	0.0	-3.53e-04
2259	133	-0.27	-5.42	-2.07	8.95e-04	0.0	-2.73e-04
2259	139	-4.07	-6.22	-1.94	9.96e-04	0.0	-3.26e-05
2259	144	8.51	3.43	-1.58	-4.54e-04	0.0	-3.96e-04
2259	165	-0.33	-6.09	-2.15	1.00e-03	0.0	-3.06e-04
2259	171	-4.62	-7.00	-2.00	1.12e-03	0.0	-3.56e-05
2259	176	8.54	3.40	-1.57	-4.45e-04	0.0	-3.92e-04
2259	197	-0.35	-6.02	-2.14	9.91e-04	0.0	-3.03e-04
2259	203	-4.71	-6.93	-1.99	1.10e-03	0.0	-3.08e-05
2259	208	10.04	3.97	-1.59	-5.24e-04	0.0	-4.57e-04
2259	229	-0.44	-7.01	-2.24	1.15e-03	0.0	-3.55e-04
2259	235	-5.64	-8.09	-2.08	1.28e-03	0.0	-3.16e-05
2260	28	0.24	-0.76	-2.70	1.63e-04	0.0	-5.11e-06
2260	44	0.22	-1.19	-2.42	2.06e-04	0.0	0.0
2260	52	0.24	-0.08	-2.64	8.33e-05	0.0	-1.12e-05
2260	80	0.17	-0.51	-1.90	1.12e-04	0.0	-3.51e-06
2260	88	0.16	-0.80	-1.71	1.40e-04	0.0	0.0
2260	92	0.17	-0.06	-1.86	5.85e-05	0.0	-7.56e-06
2260	98	0.15	-0.05	-1.55	4.82e-05	0.0	-5.79e-06
2260	105	0.14	-0.19	-1.49	6.36e-05	0.0	-3.99e-06
2260	107	0.15	-0.04	-1.48	4.59e-05	0.0	-5.34e-06
2260	112	8.10	3.25	-1.58	-3.84e-04	0.0	-4.63e-04
2260	133	-0.28	-5.88	-2.09	8.91e-04	0.0	2.75e-05
2260	139	-4.33	-6.74	-1.95	9.90e-04	0.0	2.80e-04
2260	144	9.11	3.66	-1.59	-4.38e-04	0.0	-5.21e-04
2260	165	-0.34	-6.61	-2.16	9.97e-04	0.0	3.19e-05
2260	171	-4.91	-7.58	-2.01	1.11e-03	0.0	3.17e-04
2260	176	9.14	3.62	-1.58	-4.29e-04	0.0	-5.15e-04
2260	197	-0.36	-6.54	-2.15	9.86e-04	0.0	3.18e-05
2260	203	-5.01	-7.51	-2.00	1.10e-03	0.0	3.18e-04
2260	208	10.74	4.24	-1.60	-5.06e-04	0.0	-6.01e-04
2260	229	-0.46	-7.60	-2.26	1.14e-03	0.0	3.98e-05
2260	235	-6.00	-8.76	-2.09	1.27e-03	0.0	3.79e-04
2261	28	0.07	-0.53	-2.90	1.34e-04	0.0	-1.51e-05
2261	47	0.04	-0.89	-1.97	1.76e-04	0.0	-8.04e-06
2261	52	0.07	4.03e-03	-2.84	4.63e-05	0.0	-1.70e-05
2261	80	0.05	-0.35	-2.05	9.06e-05	0.0	-1.07e-05
2261	87	0.04	-0.59	-1.75	1.23e-04	0.0	-7.91e-06
2261	92	0.05	3.27e-03	-2.01	3.21e-05	0.0	-1.20e-05
2261	98	0.04	3.45e-03	-1.68	2.58e-05	0.0	-9.99e-06
2261	102	0.03	0.12	-1.15	-3.22e-06	0.0	-6.77e-06
2261	106	0.03	4.18e-03	-1.17	1.56e-05	0.0	-6.85e-06
2261	107	0.04	3.55e-03	-1.61	2.44e-05	0.0	-9.54e-06
2261	112	6.39	2.42	-1.83	-3.98e-04	0.0	-3.88e-04

2261	133	-0.27	-4.53	-2.31	9.36e-04	0.0	1.38e-05
2261	136	3.61	5.13	-1.11	-9.69e-04	0.0	-2.41e-04
2261	144	7.19	2.73	-1.86	-4.51e-04	0.0	-4.36e-04
2261	165	-0.32	-5.10	-2.40	1.05e-03	0.0	1.71e-05
2261	168	4.08	5.77	-1.05	-1.09e-03	0.0	-2.70e-04
2261	176	7.23	2.70	-1.85	-4.43e-04	0.0	-4.33e-04
2261	197	-0.34	-5.04	-2.39	1.04e-03	0.0	1.80e-05
2261	200	4.17	5.71	-1.06	-1.08e-03	0.0	-2.73e-04
2261	208	8.51	3.15	-1.89	-5.19e-04	0.0	-5.06e-04
2261	229	-0.41	-5.86	-2.52	1.20e-03	0.0	2.45e-05
2261	232	4.97	6.66	-0.97	-1.26e-03	0.0	-3.24e-04
2262	16	-0.01	0.82	-1.64	-1.21e-04	0.0	-1.97e-06
2262	18	-0.01	0.82	-2.40	-1.07e-04	0.0	-3.91e-06
2262	28	-8.44e-03	-0.46	-2.89	1.30e-04	0.0	-8.84e-06
2262	73	-9.40e-03	0.54	-1.20	-7.96e-05	0.0	-1.66e-06
2262	75	-8.41e-03	0.55	-1.71	-7.02e-05	0.0	-2.95e-06
2262	80	-6.48e-03	-0.31	-2.04	8.76e-05	0.0	-6.24e-06
2262	98	-5.32e-03	0.01	-1.68	2.27e-05	0.0	-4.72e-06
2262	102	-6.83e-03	0.12	-1.15	-5.53e-06	0.0	-3.02e-06
2262	103	-5.98e-03	0.12	-1.59	2.47e-06	0.0	-4.13e-06
2262	106	-6.31e-03	0.01	-1.17	1.34e-05	0.0	-3.43e-06
2262	107	-5.46e-03	0.01	-1.60	2.14e-05	0.0	-4.54e-06
2262	115	-5.80	-2.19	-1.38	4.46e-04	0.0	3.53e-04
2262	133	-0.28	-4.04	-2.31	9.42e-04	0.0	1.82e-05
2262	136	3.26	4.61	-1.11	-9.81e-04	0.0	-2.23e-04
2262	147	-6.54	-2.46	-1.35	4.99e-04	0.0	3.99e-04
2262	165	-0.32	-4.55	-2.39	1.06e-03	0.0	2.15e-05
2262	168	3.69	5.19	-1.05	-1.11e-03	0.0	-2.51e-04
2262	179	-6.57	-2.44	-1.36	4.90e-04	0.0	3.97e-04
2262	197	-0.34	-4.49	-2.38	1.04e-03	0.0	2.33e-05
2262	200	3.77	5.14	-1.06	-1.09e-03	0.0	-2.55e-04
2262	211	-7.75	-2.85	-1.31	5.66e-04	0.0	4.66e-04
2262	229	-0.41	-5.23	-2.51	1.21e-03	0.0	3.02e-05
2262	232	4.51	6.00	-0.98	-1.27e-03	0.0	-3.04e-04
2263	28	0.13	-0.60	-2.90	1.42e-04	0.0	-1.64e-05
2263	44	0.12	-0.99	-2.61	1.92e-04	0.0	-1.10e-05
2263	52	0.13	-0.02	-2.84	5.60e-05	0.0	-2.08e-05
2263	80	0.10	-0.40	-2.05	9.63e-05	0.0	-1.17e-05
2263	88	0.09	-0.66	-1.85	1.29e-04	0.0	-8.10e-06
2263	92	0.10	-0.01	-2.01	3.90e-05	0.0	-1.46e-05
2263	98	0.08	-0.01	-1.68	3.17e-05	0.0	-1.22e-05
2263	105	0.08	-0.14	-1.62	4.91e-05	0.0	-1.07e-05
2263	107	0.08	-9.99e-03	-1.61	3.00e-05	0.0	-1.16e-05
2263	112	6.98	2.63	-1.83	-3.87e-04	0.0	-4.16e-04
2263	133	-0.27	-5.02	-2.32	9.20e-04	0.0	1.55e-05
2263	139	-3.80	-5.65	-2.11	1.00e-03	0.0	2.37e-04
2263	144	7.86	2.96	-1.86	-4.40e-04	0.0	-4.67e-04
2263	165	-0.32	-5.65	-2.40	1.03e-03	0.0	1.91e-05
2263	171	-4.31	-6.36	-2.17	1.12e-03	0.0	2.70e-04
2263	176	7.89	2.93	-1.85	-4.31e-04	0.0	-4.63e-04
2263	197	-0.34	-5.58	-2.39	1.02e-03	0.0	1.90e-05
2263	203	-4.40	-6.29	-2.16	1.11e-03	0.0	2.71e-04
2263	208	9.28	3.42	-1.89	-5.07e-04	0.0	-5.40e-04
2263	229	-0.42	-6.49	-2.52	1.18e-03	0.0	2.57e-05
2263	235	-5.27	-7.34	-2.24	1.29e-03	0.0	3.25e-04
2264	28	0.19	-0.68	-2.90	1.51e-04	0.0	-1.47e-05
2264	44	0.18	-1.09	-2.61	1.98e-04	0.0	-8.48e-06
2264	52	0.20	-0.05	-2.84	6.83e-05	0.0	-2.05e-05
2264	80	0.14	-0.45	-2.05	1.03e-04	0.0	-1.06e-05
2264	88	0.13	-0.73	-1.85	1.34e-04	0.0	-6.45e-06
2264	92	0.14	-0.04	-2.01	4.78e-05	0.0	-1.45e-05
2264	98	0.12	-0.03	-1.68	3.92e-05	0.0	-1.21e-05
2264	105	0.12	-0.17	-1.62	5.57e-05	0.0	-1.03e-05
2264	107	0.12	-0.03	-1.61	3.73e-05	0.0	-1.16e-05
2264	112	7.57	2.82	-1.83	-3.70e-04	0.0	-3.56e-04
2264	133	-0.27	-5.50	-2.32	8.97e-04	0.0	-2.75e-04
2264	139	-4.07	-6.17	-2.11	9.81e-04	0.0	-3.72e-05
2264	144	8.51	3.18	-1.86	-4.21e-04	0.0	-3.99e-04
2264	165	-0.33	-6.18	-2.41	1.00e-03	0.0	-3.08e-04
2264	171	-4.62	-6.94	-2.17	1.10e-03	0.0	-4.02e-05
2264	176	8.54	3.15	-1.85	-4.13e-04	0.0	-3.95e-04
2264	197	-0.35	-6.11	-2.39	9.93e-04	0.0	-3.05e-04
2264	203	-4.71	-6.87	-2.16	1.09e-03	0.0	-3.57e-05
2264	208	10.04	3.68	-1.90	-4.87e-04	0.0	-4.60e-04
2264	229	-0.44	-7.10	-2.52	1.15e-03	0.0	-3.56e-04

2264	235	-5.64	-8.00	-2.24	1.26e-03	0.0	-3.67e-05
2265	28	0.24	-0.76	-2.91	1.60e-04	0.0	-1.24e-05
2265	44	0.22	-1.20	-2.62	2.04e-04	0.0	-6.31e-06
2265	52	0.24	-0.09	-2.85	8.03e-05	0.0	-1.84e-05
2265	80	0.17	-0.51	-2.05	1.10e-04	0.0	-9.02e-06
2265	88	0.16	-0.80	-1.86	1.39e-04	0.0	-4.99e-06
2265	92	0.17	-0.06	-2.01	5.65e-05	0.0	-1.31e-05
2265	98	0.15	-0.05	-1.68	4.68e-05	0.0	-1.11e-05
2265	105	0.14	-0.20	-1.62	6.25e-05	0.0	-9.30e-06
2265	107	0.14	-0.05	-1.61	4.47e-05	0.0	-1.06e-05
2265	112	8.09	3.01	-1.83	-3.47e-04	0.0	-4.72e-04
2265	133	-0.28	-5.96	-2.32	8.69e-04	0.0	2.09e-05
2265	139	-4.33	-6.67	-2.11	9.50e-04	0.0	2.74e-04
2265	144	9.11	3.40	-1.86	-3.96e-04	0.0	-5.30e-04
2265	165	-0.34	-6.70	-2.41	9.72e-04	0.0	2.52e-05
2265	171	-4.91	-7.50	-2.17	1.06e-03	0.0	3.11e-04
2265	176	9.13	3.36	-1.86	-3.88e-04	0.0	-5.24e-04
2265	197	-0.36	-6.62	-2.39	9.61e-04	0.0	2.53e-05
2265	203	-5.00	-7.43	-2.16	1.05e-03	0.0	3.13e-04
2265	208	10.73	3.92	-1.90	-4.58e-04	0.0	-6.12e-04
2265	229	-0.46	-7.69	-2.52	1.11e-03	0.0	3.32e-05
2265	235	-6.00	-8.65	-2.25	1.22e-03	0.0	3.74e-04
2266	28	0.07	-0.54	-3.06	1.39e-04	0.0	-1.23e-05
2266	44	0.06	-0.89	-2.76	1.88e-04	0.0	-9.75e-06
2266	52	0.07	-4.64e-03	-3.00	5.44e-05	0.0	-1.40e-05
2266	80	0.05	-0.36	-2.16	9.44e-05	0.0	-8.84e-06
2266	88	0.04	-0.60	-1.96	1.27e-04	0.0	-7.11e-06
2266	92	0.05	-2.88e-03	-2.12	3.78e-05	0.0	-9.93e-06
2266	98	0.04	-1.74e-03	-1.78	3.06e-05	0.0	-8.45e-06
2266	105	0.04	-0.12	-1.72	4.78e-05	0.0	-7.75e-06
2266	107	0.04	-1.42e-03	-1.71	2.90e-05	0.0	-8.11e-06
2266	112	6.39	2.22	-2.06	-3.75e-04	0.0	-3.87e-04
2266	133	-0.27	-4.59	-2.51	9.64e-04	0.0	1.53e-05
2266	139	-3.53	-5.06	-2.22	1.03e-03	0.0	2.23e-04
2266	144	7.19	2.50	-2.10	-4.25e-04	0.0	-4.35e-04
2266	165	-0.32	-5.16	-2.61	1.08e-03	0.0	1.87e-05
2266	171	-4.00	-5.69	-2.28	1.16e-03	0.0	2.53e-04
2266	176	7.23	2.48	-2.10	-4.17e-04	0.0	-4.32e-04
2266	197	-0.34	-5.10	-2.60	1.07e-03	0.0	1.98e-05
2266	203	-4.09	-5.63	-2.27	1.14e-03	0.0	2.56e-04
2266	208	8.51	2.89	-2.17	-4.90e-04	0.0	-5.06e-04
2266	229	-0.41	-5.93	-2.74	1.24e-03	0.0	2.65e-05
2266	235	-4.89	-6.56	-2.36	1.32e-03	0.0	3.07e-04
2267	16	-0.01	0.82	-1.76	-1.11e-04	0.0	-2.21e-06
2267	18	-9.65e-03	0.82	-2.55	-9.46e-05	0.0	-3.81e-06
2267	28	-6.48e-03	-0.47	-3.06	1.37e-04	0.0	-7.20e-06
2267	73	-8.42e-03	0.54	-1.30	-7.29e-05	0.0	-1.78e-06
2267	75	-7.18e-03	0.55	-1.82	-6.16e-05	0.0	-2.85e-06
2267	80	-5.07e-03	-0.31	-2.16	9.28e-05	0.0	-5.11e-06
2267	98	-4.13e-03	0.01	-1.78	2.90e-05	0.0	-4.08e-06
2267	102	-5.89e-03	0.12	-1.24	0.0	0.0	-2.72e-06
2267	103	-4.83e-03	0.12	-1.69	8.82e-06	0.0	-3.64e-06
2267	106	-5.37e-03	9.51e-03	-1.26	1.77e-05	0.0	-3.01e-06
2267	107	-4.31e-03	0.01	-1.71	2.74e-05	0.0	-3.93e-06
2267	115	-5.80	-2.00	-1.36	4.35e-04	0.0	3.55e-04
2267	133	-0.28	-4.08	-2.51	9.74e-04	0.0	1.94e-05
2267	136	3.26	4.54	-1.19	-9.86e-04	0.0	-2.23e-04
2267	147	-6.54	-2.25	-1.31	4.86e-04	0.0	4.00e-04
2267	165	-0.32	-4.59	-2.61	1.09e-03	0.0	2.27e-05
2267	168	3.69	5.11	-1.13	-1.11e-03	0.0	-2.52e-04
2267	179	-6.57	-2.23	-1.32	4.78e-04	0.0	3.98e-04
2267	197	-0.34	-4.53	-2.60	1.08e-03	0.0	2.46e-05
2267	200	3.77	5.05	-1.14	-1.10e-03	0.0	-2.56e-04
2267	211	-7.75	-2.61	-1.25	5.51e-04	0.0	4.68e-04
2267	229	-0.41	-5.27	-2.74	1.25e-03	0.0	3.18e-05
2267	232	4.51	5.89	-1.06	-1.28e-03	0.0	-3.05e-04
2268	28	0.13	-0.61	-3.06	1.44e-04	0.0	-1.57e-05
2268	44	0.12	-0.99	-2.76	1.92e-04	0.0	-1.12e-05
2268	52	0.13	-0.03	-3.00	6.01e-05	0.0	-1.93e-05
2268	80	0.10	-0.41	-2.16	9.79e-05	0.0	-1.13e-05
2268	88	0.09	-0.66	-1.96	1.30e-04	0.0	-8.34e-06
2268	92	0.10	-0.02	-2.12	4.19e-05	0.0	-1.37e-05
2268	98	0.08	-0.02	-1.78	3.42e-05	0.0	-1.17e-05
2268	105	0.08	-0.15	-1.72	5.11e-05	0.0	-1.04e-05
2268	107	0.08	-0.02	-1.71	3.24e-05	0.0	-1.12e-05

2268	112	6.98	2.41	-2.06	-3.60e-04	0.0	-4.16e-04
2268	133	-0.27	-5.09	-2.51	9.37e-04	0.0	1.46e-05
2268	139	-3.80	-5.59	-2.22	1.00e-03	0.0	2.37e-04
2268	144	7.86	2.72	-2.10	-4.10e-04	0.0	-4.68e-04
2268	165	-0.32	-5.72	-2.61	1.05e-03	0.0	1.82e-05
2268	171	-4.31	-6.29	-2.28	1.13e-03	0.0	2.69e-04
2268	176	7.89	2.69	-2.10	-4.02e-04	0.0	-4.64e-04
2268	197	-0.34	-5.65	-2.60	1.04e-03	0.0	1.86e-05
2268	203	-4.40	-6.22	-2.27	1.11e-03	0.0	2.71e-04
2268	208	9.28	3.14	-2.17	-4.73e-04	0.0	-5.41e-04
2268	229	-0.42	-6.57	-2.74	1.20e-03	0.0	2.54e-05
2268	235	-5.27	-7.25	-2.36	1.29e-03	0.0	3.25e-04
2269	28	0.19	-0.69	-3.06	1.51e-04	0.0	-1.63e-05
2269	44	0.18	-1.10	-2.76	1.97e-04	0.0	-1.10e-05
2269	52	0.20	-0.07	-3.00	6.84e-05	0.0	-2.11e-05
2269	80	0.14	-0.46	-2.16	1.03e-04	0.0	-1.19e-05
2269	88	0.13	-0.73	-1.96	1.34e-04	0.0	-8.31e-06
2269	92	0.14	-0.05	-2.12	4.79e-05	0.0	-1.51e-05
2269	98	0.12	-0.04	-1.78	3.95e-05	0.0	-1.29e-05
2269	105	0.12	-0.17	-1.72	5.58e-05	0.0	-1.14e-05
2269	107	0.12	-0.04	-1.71	3.76e-05	0.0	-1.25e-05
2269	112	7.57	2.60	-2.06	-3.39e-04	0.0	-4.46e-04
2269	133	-0.27	-5.57	-2.51	9.00e-04	0.0	1.60e-05
2269	139	-4.07	-6.11	-2.22	9.65e-04	0.0	2.54e-04
2269	144	8.51	2.93	-2.10	-3.86e-04	0.0	-5.01e-04
2269	165	-0.33	-6.26	-2.61	1.01e-03	0.0	1.98e-05
2269	171	-4.62	-6.87	-2.28	1.08e-03	0.0	2.88e-04
2269	176	8.54	2.89	-2.10	-3.79e-04	0.0	-4.96e-04
2269	197	-0.35	-6.18	-2.60	9.95e-04	0.0	2.01e-05
2269	203	-4.71	-6.79	-2.27	1.07e-03	0.0	2.90e-04
2269	208	10.04	3.38	-2.17	-4.47e-04	0.0	-5.79e-04
2269	229	-0.44	-7.19	-2.74	1.15e-03	0.0	2.74e-05
2269	235	-5.64	-7.91	-2.36	1.24e-03	0.0	3.47e-04
2270	28	0.24	-0.77	-3.06	1.58e-04	0.0	-1.47e-05
2270	44	0.22	-1.20	-2.76	2.02e-04	0.0	-9.52e-06
2270	52	0.24	-0.11	-3.00	7.73e-05	0.0	-1.98e-05
2270	80	0.17	-0.52	-2.16	1.08e-04	0.0	-1.08e-05
2270	88	0.16	-0.80	-1.96	1.38e-04	0.0	-7.35e-06
2270	92	0.17	-0.07	-2.12	5.44e-05	0.0	-1.42e-05
2270	98	0.15	-0.06	-1.78	4.52e-05	0.0	-1.23e-05
2270	105	0.14	-0.20	-1.72	6.10e-05	0.0	-1.08e-05
2270	107	0.14	-0.06	-1.71	4.31e-05	0.0	-1.19e-05
2270	112	8.09	2.77	-2.06	-3.14e-04	0.0	-4.75e-04
2270	133	-0.28	-6.03	-2.51	8.57e-04	0.0	1.90e-05
2270	139	-4.33	-6.60	-2.22	9.20e-04	0.0	2.73e-04
2270	144	9.11	3.12	-2.10	-3.58e-04	0.0	-5.33e-04
2270	165	-0.34	-6.78	-2.61	9.58e-04	0.0	2.32e-05
2270	171	-4.91	-7.42	-2.29	1.03e-03	0.0	3.09e-04
2270	176	9.13	3.08	-2.10	-3.51e-04	0.0	-5.28e-04
2270	197	-0.36	-6.69	-2.60	9.46e-04	0.0	2.39e-05
2270	203	-5.00	-7.34	-2.27	1.02e-03	0.0	3.11e-04
2270	208	10.73	3.60	-2.17	-4.15e-04	0.0	-6.16e-04
2270	229	-0.46	-7.78	-2.74	1.09e-03	0.0	3.20e-05
2270	235	-5.99	-8.54	-2.36	1.18e-03	0.0	3.73e-04
2271	28	0.07	-0.55	-3.19	1.44e-04	0.0	-9.92e-06
2271	44	0.06	-0.90	-2.88	1.91e-04	0.0	-7.92e-06
2271	52	0.07	-0.01	-3.12	6.09e-05	0.0	-1.13e-05
2271	80	0.05	-0.36	-2.25	9.79e-05	0.0	-7.17e-06
2271	88	0.04	-0.60	-2.05	1.29e-04	0.0	-5.83e-06
2271	92	0.05	-7.86e-03	-2.21	4.25e-05	0.0	-8.08e-06
2271	98	0.04	-6.03e-03	-1.87	3.47e-05	0.0	-6.98e-06
2271	105	0.04	-0.12	-1.80	5.13e-05	0.0	-6.43e-06
2271	107	0.04	-5.56e-03	-1.79	3.29e-05	0.0	-6.74e-06
2271	112	6.39	2.02	-2.27	-3.49e-04	0.0	-3.89e-04
2271	133	-0.27	-4.64	-2.69	9.87e-04	0.0	1.73e-05
2271	139	-3.53	-4.99	-2.32	1.04e-03	0.0	2.26e-04
2271	144	7.19	2.28	-2.33	-3.96e-04	0.0	-4.37e-04
2271	165	-0.32	-5.22	-2.80	1.11e-03	0.0	2.07e-05
2271	171	-4.00	-5.61	-2.38	1.16e-03	0.0	2.57e-04
2271	176	7.23	2.25	-2.33	-3.89e-04	0.0	-4.35e-04
2271	177	5.83	-0.95	-2.79	2.63e-04	0.0	-3.48e-04
2271	203	-4.09	-5.55	-2.37	1.15e-03	0.0	2.60e-04
2271	208	8.51	2.62	-2.42	-4.58e-04	0.0	-5.09e-04
2271	209	6.86	-1.10	-2.96	3.01e-04	0.0	-4.06e-04
2271	235	-4.89	-6.46	-2.45	1.33e-03	0.0	3.12e-04

2272	16	-0.01	0.81	-1.86	-1.05e-04	0.0	-2.42e-06
2272	18	-8.66e-03	0.82	-2.67	-8.66e-05	0.0	-3.73e-06
2272	28	-5.34e-03	-0.47	-3.19	1.43e-04	0.0	-5.69e-06
2272	73	-7.83e-03	0.54	-1.37	-6.83e-05	0.0	-1.88e-06
2272	75	-6.46e-03	0.55	-1.91	-5.59e-05	0.0	-2.76e-06
2272	80	-4.25e-03	-0.31	-2.25	9.68e-05	0.0	-4.06e-06
2272	98	-3.43e-03	0.01	-1.87	3.36e-05	0.0	-3.49e-06
2272	102	-5.33e-03	0.12	-1.31	2.79e-06	0.0	-2.43e-06
2272	103	-4.15e-03	0.12	-1.77	1.34e-05	0.0	-3.18e-06
2272	106	-4.80e-03	8.21e-03	-1.33	2.12e-05	0.0	-2.61e-06
2272	107	-3.62e-03	0.01	-1.79	3.18e-05	0.0	-3.36e-06
2272	115	-5.80	-1.82	-1.31	4.19e-04	0.0	3.56e-04
2272	133	-0.28	-4.11	-2.69	1.00e-03	0.0	2.04e-05
2272	136	3.26	4.46	-1.26	-9.88e-04	0.0	-2.23e-04
2272	147	-6.54	-2.04	-1.25	4.67e-04	0.0	4.01e-04
2272	165	-0.32	-4.63	-2.80	1.12e-03	0.0	2.38e-05
2272	168	3.69	5.02	-1.20	-1.12e-03	0.0	-2.52e-04
2272	177	5.29	-0.81	-2.79	2.66e-04	0.0	-3.23e-04
2272	179	-6.57	-2.02	-1.25	4.60e-04	0.0	3.99e-04
2272	200	3.77	4.96	-1.21	-1.10e-03	0.0	-2.56e-04
2272	209	6.23	-0.94	-2.96	3.04e-04	0.0	-3.78e-04
2272	211	-7.74	-2.36	-1.16	5.30e-04	0.0	4.69e-04
2272	232	4.51	5.78	-1.12	-1.29e-03	0.0	-3.05e-04
2273	28	0.13	-0.62	-3.19	1.47e-04	0.0	-1.34e-05
2273	44	0.12	-1.00	-2.88	1.94e-04	0.0	-1.00e-05
2273	52	0.13	-0.04	-3.12	6.43e-05	0.0	-1.61e-05
2273	80	0.09	-0.42	-2.25	1.00e-04	0.0	-9.72e-06
2273	88	0.09	-0.67	-2.05	1.31e-04	0.0	-7.51e-06
2273	92	0.10	-0.03	-2.21	4.50e-05	0.0	-1.15e-05
2273	98	0.08	-0.02	-1.87	3.69e-05	0.0	-1.00e-05
2273	105	0.08	-0.15	-1.80	5.34e-05	0.0	-9.06e-06
2273	107	0.08	-0.02	-1.79	3.50e-05	0.0	-9.66e-06
2273	112	6.98	2.20	-2.27	-3.32e-04	0.0	-4.19e-04
2273	133	-0.27	-5.15	-2.69	9.52e-04	0.0	1.62e-05
2273	139	-3.80	-5.53	-2.32	1.00e-03	0.0	2.40e-04
2273	144	7.86	2.48	-2.33	-3.78e-04	0.0	-4.71e-04
2273	165	-0.32	-5.79	-2.80	1.07e-03	0.0	1.98e-05
2273	171	-4.31	-6.22	-2.38	1.12e-03	0.0	2.72e-04
2273	176	7.89	2.45	-2.33	-3.71e-04	0.0	-4.67e-04
2273	177	6.37	-1.09	-2.79	2.56e-04	0.0	-3.75e-04
2273	203	-4.40	-6.14	-2.37	1.11e-03	0.0	2.75e-04
2273	208	9.28	2.86	-2.42	-4.38e-04	0.0	-5.46e-04
2273	209	7.48	-1.26	-2.96	2.92e-04	0.0	-4.37e-04
2273	235	-5.27	-7.15	-2.45	1.28e-03	0.0	3.30e-04
2274	28	0.19	-0.70	-3.19	1.51e-04	0.0	-1.49e-05
2274	44	0.18	-1.10	-2.88	1.97e-04	0.0	-1.08e-05
2274	52	0.20	-0.08	-3.12	6.93e-05	0.0	-1.84e-05
2274	80	0.14	-0.47	-2.25	1.03e-04	0.0	-1.09e-05
2274	88	0.13	-0.74	-2.05	1.34e-04	0.0	-8.17e-06
2274	92	0.14	-0.05	-2.21	4.87e-05	0.0	-1.33e-05
2274	98	0.12	-0.04	-1.87	4.02e-05	0.0	-1.15e-05
2274	105	0.12	-0.18	-1.80	5.64e-05	0.0	-1.04e-05
2274	107	0.12	-0.04	-1.79	3.83e-05	0.0	-1.12e-05
2274	112	7.57	2.37	-2.27	-3.09e-04	0.0	-4.48e-04
2274	133	-0.27	-5.64	-2.69	9.04e-04	0.0	1.71e-05
2274	139	-4.07	-6.04	-2.32	9.52e-04	0.0	2.56e-04
2274	144	8.52	2.67	-2.33	-3.53e-04	0.0	-5.03e-04
2274	165	-0.33	-6.34	-2.80	1.01e-03	0.0	2.10e-05
2274	171	-4.62	-6.79	-2.38	1.07e-03	0.0	2.91e-04
2274	176	8.55	2.64	-2.33	-3.46e-04	0.0	-4.99e-04
2274	177	6.90	-1.22	-2.79	2.46e-04	0.0	-4.00e-04
2274	203	-4.71	-6.71	-2.37	1.05e-03	0.0	2.93e-04
2274	208	10.04	3.08	-2.42	-4.09e-04	0.0	-5.83e-04
2274	209	8.10	-1.41	-2.96	2.80e-04	0.0	-4.66e-04
2274	235	-5.65	-7.81	-2.45	1.22e-03	0.0	3.51e-04
2275	28	0.24	-0.78	-3.19	1.56e-04	0.0	-1.42e-05
2275	44	0.22	-1.21	-2.88	2.00e-04	0.0	-1.01e-05
2275	52	0.24	-0.12	-3.13	7.50e-05	0.0	-1.79e-05
2275	80	0.17	-0.52	-2.25	1.07e-04	0.0	-1.04e-05
2275	88	0.16	-0.81	-2.05	1.36e-04	0.0	-7.73e-06
2275	92	0.17	-0.08	-2.21	5.28e-05	0.0	-1.29e-05
2275	98	0.15	-0.07	-1.87	4.39e-05	0.0	-1.13e-05
2275	105	0.15	-0.21	-1.80	5.98e-05	0.0	-1.01e-05
2275	107	0.15	-0.06	-1.79	4.19e-05	0.0	-1.10e-05
2275	112	8.10	2.52	-2.27	-2.84e-04	0.0	-4.76e-04

2275	133	-0.28	-6.10	-2.69	8.51e-04	0.0	2.01e-05
2275	139	-4.33	-6.52	-2.32	8.98e-04	0.0	2.74e-04
2275	144	9.11	2.84	-2.33	-3.25e-04	0.0	-5.34e-04
2275	165	-0.34	-6.85	-2.80	9.52e-04	0.0	2.45e-05
2275	171	-4.91	-7.33	-2.38	1.00e-03	0.0	3.11e-04
2275	176	9.14	2.81	-2.33	-3.19e-04	0.0	-5.29e-04
2275	177	7.38	-1.35	-2.79	2.35e-04	0.0	-4.24e-04
2275	203	-5.00	-7.24	-2.37	9.92e-04	0.0	3.14e-04
2275	208	10.74	3.28	-2.42	-3.77e-04	0.0	-6.18e-04
2275	209	8.66	-1.56	-2.96	2.67e-04	0.0	-4.93e-04
2275	235	-6.00	-8.43	-2.45	1.15e-03	0.0	3.76e-04
2276	28	0.07	-0.55	-3.30	1.48e-04	0.0	-8.02e-06
2276	44	0.06	-0.90	-2.98	1.94e-04	0.0	-6.53e-06
2276	52	0.07	-0.02	-3.23	6.62e-05	0.0	-9.06e-06
2276	80	0.05	-0.37	-2.33	1.01e-04	0.0	-5.83e-06
2276	88	0.04	-0.60	-2.13	1.32e-04	0.0	-4.83e-06
2276	92	0.05	-0.01	-2.29	4.63e-05	0.0	-6.52e-06
2276	98	0.04	-9.53e-03	-1.94	3.80e-05	0.0	-5.70e-06
2276	105	0.04	-0.13	-1.87	5.43e-05	0.0	-5.29e-06
2276	107	0.04	-8.95e-03	-1.86	3.61e-05	0.0	-5.52e-06
2276	112	6.38	1.82	-2.47	-3.20e-04	0.0	-3.91e-04
2276	113	5.16	-1.06	-2.92	2.72e-04	0.0	-3.13e-04
2276	135	-3.72	-4.92	-2.35	1.04e-03	0.0	2.27e-04
2276	144	7.19	2.05	-2.55	-3.64e-04	0.0	-4.39e-04
2276	145	5.81	-1.19	-3.05	3.01e-04	0.0	-3.52e-04
2276	167	-4.20	-5.53	-2.41	1.17e-03	0.0	2.57e-04
2276	176	7.23	2.02	-2.54	-3.58e-04	0.0	-4.37e-04
2276	177	5.83	-1.17	-3.04	2.98e-04	0.0	-3.49e-04
2276	203	-4.09	-5.46	-2.45	1.15e-03	0.0	2.64e-04
2276	208	8.51	2.36	-2.66	-4.22e-04	0.0	-5.11e-04
2276	209	6.86	-1.35	-3.24	3.41e-04	0.0	-4.07e-04
2276	235	-4.89	-6.36	-2.54	1.33e-03	0.0	3.16e-04
2277	16	-9.70e-03	0.81	-1.94	-9.98e-05	0.0	-2.26e-06
2277	18	-7.41e-03	0.82	-2.77	-8.00e-05	0.0	-3.38e-06
2277	28	-3.96e-03	-0.47	-3.30	1.48e-04	0.0	-4.83e-06
2277	73	-7.08e-03	0.54	-1.43	-6.44e-05	0.0	-1.75e-06
2277	75	-5.55e-03	0.55	-1.98	-5.12e-05	0.0	-2.50e-06
2277	80	-3.25e-03	-0.31	-2.33	1.01e-04	0.0	-3.47e-06
2277	98	-2.55e-03	0.01	-1.94	3.75e-05	0.0	-3.06e-06
2277	102	-4.62e-03	0.11	-1.37	6.04e-06	0.0	-2.17e-06
2277	103	-3.31e-03	0.12	-1.84	1.74e-05	0.0	-2.81e-06
2277	106	-4.08e-03	7.22e-03	-1.38	2.43e-05	0.0	-2.32e-06
2277	107	-2.77e-03	9.66e-03	-1.86	3.56e-05	0.0	-2.96e-06
2277	113	4.68	-0.91	-2.92	2.75e-04	0.0	-2.90e-04
2277	115	-5.79	-1.63	-1.24	3.97e-04	0.0	3.56e-04
2277	132	3.41	4.39	-1.36	-9.84e-04	0.0	-2.21e-04
2277	145	5.27	-1.03	-3.05	3.05e-04	0.0	-3.26e-04
2277	147	-6.53	-1.83	-1.17	4.42e-04	0.0	4.02e-04
2277	164	3.85	4.93	-1.30	-1.11e-03	0.0	-2.48e-04
2277	177	5.29	-1.01	-3.04	3.02e-04	0.0	-3.23e-04
2277	179	-6.56	-1.81	-1.17	4.36e-04	0.0	4.00e-04
2277	200	3.77	4.87	-1.26	-1.09e-03	0.0	-2.56e-04
2277	209	6.23	-1.17	-3.24	3.45e-04	0.0	-3.78e-04
2277	211	-7.74	-2.11	-1.05	5.01e-04	0.0	4.70e-04
2277	232	4.51	5.67	-1.17	-1.28e-03	0.0	-3.05e-04
2278	28	0.13	-0.63	-3.30	1.49e-04	0.0	-1.09e-05
2278	44	0.12	-1.01	-2.98	1.95e-04	0.0	-8.51e-06
2278	52	0.13	-0.05	-3.23	6.78e-05	0.0	-1.28e-05
2278	80	0.09	-0.42	-2.33	1.02e-04	0.0	-7.94e-06
2278	88	0.09	-0.67	-2.13	1.33e-04	0.0	-6.37e-06
2278	92	0.10	-0.04	-2.29	4.76e-05	0.0	-9.20e-06
2278	98	0.08	-0.03	-1.94	3.92e-05	0.0	-8.07e-06
2278	105	0.08	-0.16	-1.87	5.54e-05	0.0	-7.41e-06
2278	107	0.08	-0.03	-1.86	3.73e-05	0.0	-7.83e-06
2278	112	6.98	1.98	-2.47	-3.03e-04	0.0	-4.21e-04
2278	113	5.65	-1.20	-2.92	2.63e-04	0.0	-3.38e-04
2278	135	-4.01	-5.46	-2.35	9.98e-04	0.0	2.42e-04
2278	144	7.86	2.23	-2.55	-3.46e-04	0.0	-4.74e-04
2278	145	6.35	-1.35	-3.05	2.91e-04	0.0	-3.80e-04
2278	167	-4.54	-6.14	-2.41	1.12e-03	0.0	2.74e-04
2278	176	7.89	2.21	-2.54	-3.40e-04	0.0	-4.70e-04
2278	177	6.37	-1.33	-3.04	2.88e-04	0.0	-3.76e-04
2278	203	-4.40	-6.06	-2.45	1.10e-03	0.0	2.80e-04
2278	208	9.28	2.57	-2.66	-4.01e-04	0.0	-5.50e-04
2278	209	7.48	-1.53	-3.24	3.29e-04	0.0	-4.39e-04

2278	235	-5.27	-7.04	-2.54	1.28e-03	0.0	3.36e-04
2279	28	0.19	-0.71	-3.30	1.52e-04	0.0	-1.24e-05
2279	44	0.18	-1.11	-2.98	1.97e-04	0.0	-9.53e-06
2279	52	0.19	-0.09	-3.23	7.05e-05	0.0	-1.48e-05
2279	80	0.14	-0.47	-2.33	1.04e-04	0.0	-9.08e-06
2279	88	0.13	-0.74	-2.13	1.34e-04	0.0	-7.18e-06
2279	92	0.14	-0.06	-2.29	4.95e-05	0.0	-1.07e-05
2279	98	0.12	-0.05	-1.94	4.10e-05	0.0	-9.42e-06
2279	105	0.12	-0.19	-1.87	5.71e-05	0.0	-8.61e-06
2279	107	0.12	-0.05	-1.86	3.90e-05	0.0	-9.15e-06
2279	112	7.57	2.13	-2.47	-2.81e-04	0.0	-4.50e-04
2279	113	6.12	-1.34	-2.92	2.51e-04	0.0	-3.61e-04
2279	135	-4.31	-5.97	-2.35	9.41e-04	0.0	2.58e-04
2279	144	8.52	2.41	-2.55	-3.21e-04	0.0	-5.06e-04
2279	145	6.89	-1.50	-3.05	2.77e-04	0.0	-4.06e-04
2279	167	-4.88	-6.71	-2.41	1.05e-03	0.0	2.92e-04
2279	176	8.55	2.38	-2.54	-3.15e-04	0.0	-5.01e-04
2279	177	6.90	-1.47	-3.04	2.74e-04	0.0	-4.01e-04
2279	203	-4.71	-6.62	-2.45	1.04e-03	0.0	2.98e-04
2279	208	10.05	2.78	-2.66	-3.72e-04	0.0	-5.86e-04
2279	209	8.10	-1.70	-3.24	3.13e-04	0.0	-4.67e-04
2279	235	-5.65	-7.70	-2.54	1.20e-03	0.0	3.57e-04
2280	28	0.24	-0.79	-3.30	1.55e-04	0.0	-1.22e-05
2280	44	0.22	-1.21	-2.98	2.00e-04	0.0	-9.37e-06
2280	52	0.25	-0.13	-3.23	7.36e-05	0.0	-1.47e-05
2280	80	0.17	-0.53	-2.33	1.06e-04	0.0	-8.99e-06
2280	88	0.16	-0.81	-2.13	1.36e-04	0.0	-7.08e-06
2280	92	0.18	-0.09	-2.29	5.18e-05	0.0	-1.07e-05
2280	98	0.15	-0.07	-1.94	4.30e-05	0.0	-9.41e-06
2280	105	0.15	-0.22	-1.87	5.91e-05	0.0	-8.59e-06
2280	107	0.15	-0.07	-1.86	4.11e-05	0.0	-9.14e-06
2280	112	8.11	2.27	-2.47	-2.56e-04	0.0	-4.77e-04
2280	113	6.56	-1.46	-2.92	2.37e-04	0.0	-3.82e-04
2280	135	-4.59	-6.44	-2.35	8.79e-04	0.0	2.75e-04
2280	144	9.12	2.57	-2.55	-2.94e-04	0.0	-5.36e-04
2280	145	7.37	-1.64	-3.05	2.62e-04	0.0	-4.29e-04
2280	167	-5.20	-7.24	-2.41	9.84e-04	0.0	3.11e-04
2280	176	9.15	2.53	-2.54	-2.88e-04	0.0	-5.30e-04
2280	177	7.39	-1.61	-3.04	2.59e-04	0.0	-4.24e-04
2280	203	-5.01	-7.14	-2.45	9.71e-04	0.0	3.18e-04
2280	208	10.75	2.96	-2.67	-3.41e-04	0.0	-6.20e-04
2280	209	8.67	-1.86	-3.24	2.95e-04	0.0	-4.93e-04
2280	235	-6.00	-8.30	-2.54	1.12e-03	0.0	3.81e-04
2281	28	0.07	-0.55	-3.39	1.51e-04	0.0	-6.60e-06
2281	44	0.06	-0.91	-3.07	1.96e-04	0.0	-5.52e-06
2281	52	0.07	-0.02	-3.32	6.96e-05	0.0	-7.31e-06
2281	80	0.05	-0.37	-2.40	1.03e-04	0.0	-4.81e-06
2281	88	0.04	-0.61	-2.19	1.33e-04	0.0	-4.08e-06
2281	92	0.05	-0.02	-2.36	4.88e-05	0.0	-5.28e-06
2281	98	0.04	-0.01	-1.99	4.03e-05	0.0	-4.65e-06
2281	105	0.04	-0.13	-1.93	5.64e-05	0.0	-4.36e-06
2281	107	0.04	-0.01	-1.91	3.83e-05	0.0	-4.51e-06
2281	112	6.38	1.61	-2.66	-2.90e-04	0.0	-3.92e-04
2281	113	5.16	-1.25	-3.14	3.04e-04	0.0	-3.14e-04
2281	135	-3.72	-4.85	-2.42	1.04e-03	0.0	2.30e-04
2281	144	7.19	1.82	-2.75	-3.31e-04	0.0	-4.41e-04
2281	145	5.81	-1.41	-3.29	3.37e-04	0.0	-3.53e-04
2281	167	-4.20	-5.45	-2.48	1.16e-03	0.0	2.60e-04
2281	176	7.22	1.79	-2.75	-3.25e-04	0.0	-4.38e-04
2281	177	5.83	-1.39	-3.28	3.33e-04	0.0	-3.50e-04
2281	199	-4.23	-5.38	-2.47	1.14e-03	0.0	2.59e-04
2281	208	8.51	2.09	-2.90	-3.84e-04	0.0	-5.13e-04
2281	209	6.86	-1.61	-3.51	3.81e-04	0.0	-4.08e-04
2281	235	-4.89	-6.25	-2.62	1.32e-03	0.0	3.19e-04
2282	16	-8.68e-03	0.81	-2.01	-9.61e-05	0.0	-2.11e-06
2282	18	-6.15e-03	0.82	-2.85	-7.58e-05	0.0	-3.14e-06
2282	28	-2.59e-03	-0.48	-3.39	1.50e-04	0.0	-4.42e-06
2282	73	-6.32e-03	0.54	-1.48	-6.17e-05	0.0	-1.63e-06
2282	75	-4.63e-03	0.54	-2.04	-4.81e-05	0.0	-2.32e-06
2282	80	-2.26e-03	-0.32	-2.40	1.03e-04	0.0	-3.17e-06
2282	98	-1.69e-03	8.57e-03	-1.99	4.00e-05	0.0	-2.83e-06
2282	102	-3.91e-03	0.11	-1.42	8.24e-06	0.0	-2.01e-06
2282	103	-2.46e-03	0.12	-1.90	1.99e-05	0.0	-2.60e-06
2282	106	-3.38e-03	6.11e-03	-1.43	2.64e-05	0.0	-2.14e-06
2282	107	-1.93e-03	8.22e-03	-1.91	3.80e-05	0.0	-2.73e-06

2282	113	4.68	-1.09	-3.14	3.08e-04	0.0	-2.90e-04
2282	115	-5.79	-1.44	-1.17	3.72e-04	0.0	3.57e-04
2282	132	3.41	4.31	-1.41	-9.77e-04	0.0	-2.20e-04
2282	145	5.27	-1.23	-3.29	3.42e-04	0.0	-3.26e-04
2282	147	-6.53	-1.63	-1.08	4.13e-04	0.0	4.02e-04
2282	164	3.85	4.85	-1.35	-1.10e-03	0.0	-2.48e-04
2282	177	5.29	-1.21	-3.28	3.37e-04	0.0	-3.23e-04
2282	179	-6.56	-1.60	-1.08	4.07e-04	0.0	4.00e-04
2282	196	3.88	4.78	-1.36	-1.09e-03	0.0	-2.49e-04
2282	209	6.23	-1.40	-3.51	3.86e-04	0.0	-3.78e-04
2282	211	-7.73	-1.87	-0.93	4.68e-04	0.0	4.70e-04
2282	232	4.51	5.56	-1.21	-1.27e-03	0.0	-3.05e-04
2283	28	0.13	-0.63	-3.39	1.51e-04	0.0	-8.65e-06
2283	44	0.12	-1.01	-3.07	1.97e-04	0.0	-7.06e-06
2283	52	0.13	-0.06	-3.32	7.04e-05	0.0	-9.88e-06
2283	80	0.09	-0.42	-2.40	1.03e-04	0.0	-6.34e-06
2283	88	0.09	-0.68	-2.19	1.34e-04	0.0	-5.28e-06
2283	92	0.10	-0.04	-2.36	4.94e-05	0.0	-7.16e-06
2283	98	0.08	-0.03	-1.99	4.08e-05	0.0	-6.34e-06
2283	105	0.08	-0.16	-1.93	5.69e-05	0.0	-5.90e-06
2283	107	0.08	-0.03	-1.91	3.89e-05	0.0	-6.17e-06
2283	112	6.98	1.76	-2.66	-2.74e-04	0.0	-4.23e-04
2283	113	5.65	-1.41	-3.14	2.92e-04	0.0	-3.39e-04
2283	135	-4.01	-5.38	-2.42	9.92e-04	0.0	2.46e-04
2283	144	7.86	1.99	-2.75	-3.13e-04	0.0	-4.76e-04
2283	145	6.35	-1.58	-3.29	3.24e-04	0.0	-3.81e-04
2283	167	-4.54	-6.05	-2.48	1.11e-03	0.0	2.78e-04
2283	176	7.89	1.96	-2.75	-3.08e-04	0.0	-4.72e-04
2283	177	6.37	-1.56	-3.28	3.20e-04	0.0	-3.77e-04
2283	199	-4.57	-5.97	-2.47	1.10e-03	0.0	2.77e-04
2283	208	9.28	2.29	-2.90	-3.64e-04	0.0	-5.52e-04
2283	209	7.48	-1.80	-3.51	3.66e-04	0.0	-4.40e-04
2283	235	-5.27	-6.93	-2.62	1.27e-03	0.0	3.41e-04
2284	28	0.19	-0.71	-3.39	1.53e-04	0.0	-9.90e-06
2284	44	0.18	-1.11	-3.07	1.98e-04	0.0	-8.00e-06
2284	52	0.20	-0.10	-3.32	7.15e-05	0.0	-1.14e-05
2284	80	0.14	-0.48	-2.40	1.04e-04	0.0	-7.27e-06
2284	88	0.13	-0.75	-2.19	1.34e-04	0.0	-6.01e-06
2284	92	0.14	-0.07	-2.36	5.02e-05	0.0	-8.29e-06
2284	98	0.12	-0.06	-1.99	4.16e-05	0.0	-7.37e-06
2284	105	0.12	-0.19	-1.93	5.77e-05	0.0	-6.83e-06
2284	107	0.12	-0.05	-1.91	3.97e-05	0.0	-7.17e-06
2284	112	7.57	1.90	-2.66	-2.53e-04	0.0	-4.52e-04
2284	113	6.13	-1.56	-3.14	2.76e-04	0.0	-3.62e-04
2284	135	-4.31	-5.89	-2.42	9.30e-04	0.0	2.62e-04
2284	144	8.52	2.15	-2.75	-2.89e-04	0.0	-5.08e-04
2284	145	6.89	-1.75	-3.29	3.06e-04	0.0	-4.07e-04
2284	167	-4.88	-6.62	-2.48	1.04e-03	0.0	2.97e-04
2284	176	8.55	2.12	-2.75	-2.84e-04	0.0	-5.03e-04
2284	177	6.90	-1.72	-3.28	3.02e-04	0.0	-4.02e-04
2284	199	-4.91	-6.52	-2.47	1.03e-03	0.0	2.95e-04
2284	208	10.05	2.47	-2.90	-3.37e-04	0.0	-5.88e-04
2284	209	8.10	-1.99	-3.51	3.45e-04	0.0	-4.69e-04
2284	235	-5.65	-7.58	-2.62	1.19e-03	0.0	3.62e-04
2285	28	0.25	-0.79	-3.39	1.54e-04	0.0	-1.00e-05
2285	44	0.22	-1.22	-3.07	1.99e-04	0.0	-8.08e-06
2285	52	0.25	-0.13	-3.32	7.28e-05	0.0	-1.16e-05
2285	80	0.18	-0.53	-2.40	1.05e-04	0.0	-7.36e-06
2285	88	0.16	-0.82	-2.19	1.35e-04	0.0	-6.07e-06
2285	92	0.18	-0.09	-2.36	5.12e-05	0.0	-8.39e-06
2285	98	0.15	-0.08	-2.00	4.26e-05	0.0	-7.47e-06
2285	105	0.15	-0.22	-1.93	5.86e-05	0.0	-6.93e-06
2285	107	0.15	-0.07	-1.91	4.06e-05	0.0	-7.27e-06
2285	112	8.13	2.03	-2.66	-2.29e-04	0.0	-4.78e-04
2285	113	6.57	-1.70	-3.14	2.59e-04	0.0	-3.82e-04
2285	135	-4.60	-6.36	-2.42	8.62e-04	0.0	2.79e-04
2285	144	9.14	2.29	-2.75	-2.63e-04	0.0	-5.37e-04
2285	145	7.39	-1.90	-3.29	2.86e-04	0.0	-4.30e-04
2285	167	-5.21	-7.14	-2.48	9.65e-04	0.0	3.15e-04
2285	176	9.17	2.26	-2.75	-2.58e-04	0.0	-5.32e-04
2285	177	7.40	-1.88	-3.28	2.83e-04	0.0	-4.24e-04
2285	199	-5.24	-7.04	-2.47	9.51e-04	0.0	3.14e-04
2285	208	10.77	2.64	-2.90	-3.07e-04	0.0	-6.22e-04
2285	209	8.69	-2.17	-3.51	3.22e-04	0.0	-4.94e-04
2285	235	-6.01	-8.18	-2.62	1.10e-03	0.0	3.85e-04

2286	28	0.07	-0.56	-3.47	1.53e-04	0.0	-5.56e-06
2286	44	0.06	-0.91	-3.14	1.98e-04	0.0	-4.76e-06
2286	52	0.07	-0.03	-3.40	7.20e-05	0.0	-6.03e-06
2286	80	0.05	-0.37	-2.46	1.04e-04	0.0	-4.05e-06
2286	88	0.04	-0.61	-2.24	1.34e-04	0.0	-3.52e-06
2286	92	0.05	-0.02	-2.41	5.06e-05	0.0	-4.37e-06
2286	98	0.04	-0.01	-2.04	4.19e-05	0.0	-3.86e-06
2286	105	0.04	-0.13	-1.98	5.78e-05	0.0	-3.65e-06
2286	107	0.04	-0.01	-1.96	3.99e-05	0.0	-3.75e-06
2286	112	6.38	1.39	-2.84	-2.67e-04	0.0	-3.92e-04
2286	113	5.16	-1.47	-3.35	3.29e-04	0.0	-3.14e-04
2286	125	3.75	-4.81	-2.72	1.04e-03	0.0	-2.44e-04
2286	144	7.19	1.57	-2.95	-3.05e-04	0.0	-4.41e-04
2286	145	5.81	-1.65	-3.53	3.65e-04	0.0	-3.53e-04
2286	157	4.22	-5.41	-2.81	1.16e-03	0.0	-2.74e-04
2286	176	7.22	1.54	-2.94	-2.99e-04	0.0	-4.38e-04
2286	177	5.83	-1.63	-3.51	3.60e-04	0.0	-3.50e-04
2286	189	4.26	-5.32	-2.81	1.14e-03	0.0	-2.75e-04
2286	208	8.51	1.79	-3.12	-3.54e-04	0.0	-5.14e-04
2286	209	6.86	-1.89	-3.78	4.13e-04	0.0	-4.09e-04
2286	221	5.02	-6.19	-2.96	1.32e-03	0.0	-3.24e-04
2287	16	-7.91e-03	0.81	-2.06	-9.37e-05	0.0	-1.97e-06
2287	18	-5.20e-03	0.81	-2.92	-7.29e-05	0.0	-2.93e-06
2287	28	-1.56e-03	-0.48	-3.47	1.53e-04	0.0	-4.09e-06
2287	73	-5.74e-03	0.54	-1.52	-5.99e-05	0.0	-1.53e-06
2287	75	-3.94e-03	0.54	-2.09	-4.61e-05	0.0	-2.17e-06
2287	80	-1.51e-03	-0.32	-2.46	1.04e-04	0.0	-2.94e-06
2287	98	-1.03e-03	7.26e-03	-2.04	4.19e-05	0.0	-2.63e-06
2287	102	-3.37e-03	0.11	-1.46	9.89e-06	0.0	-1.87e-06
2287	103	-1.82e-03	0.11	-1.95	2.17e-05	0.0	-2.42e-06
2287	106	-2.84e-03	5.14e-03	-1.47	2.80e-05	0.0	-1.99e-06
2287	107	-1.29e-03	6.96e-03	-1.96	3.99e-05	0.0	-2.54e-06
2287	113	4.68	-1.29	-3.35	3.34e-04	0.0	-2.90e-04
2287	115	-5.79	-1.24	-1.09	3.52e-04	0.0	3.57e-04
2287	126	-3.37	4.26	-1.21	-9.74e-04	0.0	2.14e-04
2287	145	5.27	-1.45	-3.53	3.70e-04	0.0	-3.26e-04
2287	147	-6.52	-1.39	-0.97	3.91e-04	0.0	4.03e-04
2287	158	-3.81	4.80	-1.11	-1.10e-03	0.0	2.42e-04
2287	177	5.29	-1.43	-3.51	3.66e-04	0.0	-3.23e-04
2287	179	-6.55	-1.37	-0.98	3.85e-04	0.0	4.01e-04
2287	190	-3.84	4.72	-1.11	-1.08e-03	0.0	2.43e-04
2287	209	6.23	-1.66	-3.78	4.19e-04	0.0	-3.78e-04
2287	211	-7.73	-1.60	-0.81	4.41e-04	0.0	4.71e-04
2287	222	-4.53	5.49	-0.96	-1.27e-03	0.0	2.87e-04
2288	28	0.13	-0.64	-3.47	1.53e-04	0.0	-6.96e-06
2288	44	0.12	-1.01	-3.14	1.98e-04	0.0	-5.89e-06
2288	52	0.13	-0.06	-3.40	7.21e-05	0.0	-7.71e-06
2288	80	0.09	-0.43	-2.46	1.05e-04	0.0	-5.11e-06
2288	88	0.09	-0.68	-2.24	1.35e-04	0.0	-4.40e-06
2288	92	0.10	-0.04	-2.41	5.07e-05	0.0	-5.61e-06
2288	98	0.08	-0.04	-2.04	4.20e-05	0.0	-5.01e-06
2288	105	0.08	-0.16	-1.98	5.80e-05	0.0	-4.72e-06
2288	107	0.08	-0.03	-1.96	4.00e-05	0.0	-4.88e-06
2288	112	6.98	1.52	-2.84	-2.51e-04	0.0	-4.24e-04
2288	113	5.65	-1.65	-3.35	3.15e-04	0.0	-3.40e-04
2288	125	4.12	-5.34	-2.72	9.88e-04	0.0	-2.70e-04
2288	144	7.86	1.71	-2.95	-2.88e-04	0.0	-4.77e-04
2288	145	6.35	-1.85	-3.53	3.49e-04	0.0	-3.82e-04
2288	157	4.64	-6.01	-2.81	1.11e-03	0.0	-3.04e-04
2288	176	7.89	1.69	-2.94	-2.82e-04	0.0	-4.73e-04
2288	177	6.37	-1.82	-3.51	3.45e-04	0.0	-3.78e-04
2288	189	4.67	-5.92	-2.81	1.09e-03	0.0	-3.04e-04
2288	208	9.28	1.97	-3.12	-3.34e-04	0.0	-5.54e-04
2288	209	7.48	-2.11	-3.78	3.95e-04	0.0	-4.41e-04
2288	221	5.50	-6.87	-2.96	1.26e-03	0.0	-3.58e-04
2289	28	0.19	-0.72	-3.47	1.53e-04	0.0	-7.87e-06
2289	44	0.18	-1.12	-3.14	1.98e-04	0.0	-6.64e-06
2289	52	0.20	-0.10	-3.40	7.23e-05	0.0	-8.78e-06
2289	80	0.14	-0.48	-2.46	1.05e-04	0.0	-5.79e-06
2289	88	0.13	-0.75	-2.24	1.35e-04	0.0	-4.97e-06
2289	92	0.14	-0.07	-2.41	5.08e-05	0.0	-6.40e-06
2289	98	0.12	-0.06	-2.04	4.21e-05	0.0	-5.74e-06
2289	105	0.12	-0.19	-1.98	5.82e-05	0.0	-5.40e-06
2289	107	0.12	-0.06	-1.96	4.02e-05	0.0	-5.60e-06
2289	112	7.57	1.64	-2.84	-2.30e-04	0.0	-4.53e-04

2289	113	6.13	-1.81	-3.35	2.97e-04	0.0	-3.63e-04
2289	125	4.50	-5.85	-2.72	9.21e-04	0.0	-2.92e-04
2289	144	8.52	1.85	-2.95	-2.64e-04	0.0	-5.10e-04
2289	145	6.89	-2.03	-3.53	3.29e-04	0.0	-4.08e-04
2289	157	5.06	-6.57	-2.81	1.03e-03	0.0	-3.29e-04
2289	176	8.55	1.82	-2.95	-2.59e-04	0.0	-5.05e-04
2289	177	6.91	-2.00	-3.51	3.25e-04	0.0	-4.03e-04
2289	189	5.09	-6.47	-2.81	1.02e-03	0.0	-3.29e-04
2289	208	10.05	2.13	-3.12	-3.07e-04	0.0	-5.90e-04
2289	209	8.11	-2.32	-3.78	3.71e-04	0.0	-4.70e-04
2289	221	5.98	-7.52	-2.96	1.17e-03	0.0	-3.87e-04
2290	28	0.25	-0.80	-3.47	1.54e-04	0.0	-8.08e-06
2290	44	0.23	-1.22	-3.14	1.99e-04	0.0	-6.81e-06
2290	52	0.25	-0.14	-3.40	7.25e-05	0.0	-9.01e-06
2290	80	0.18	-0.54	-2.46	1.05e-04	0.0	-5.95e-06
2290	88	0.16	-0.82	-2.24	1.35e-04	0.0	-5.10e-06
2290	92	0.18	-0.10	-2.41	5.10e-05	0.0	-6.57e-06
2290	98	0.16	-0.08	-2.04	4.23e-05	0.0	-5.89e-06
2290	105	0.15	-0.22	-1.98	5.84e-05	0.0	-5.54e-06
2290	107	0.15	-0.08	-1.96	4.04e-05	0.0	-5.75e-06
2290	112	8.15	1.75	-2.84	-2.07e-04	0.0	-4.79e-04
2290	113	6.59	-1.97	-3.35	2.76e-04	0.0	-3.83e-04
2290	125	4.86	-6.31	-2.72	8.48e-04	0.0	-3.10e-04
2290	144	9.17	1.98	-2.95	-2.38e-04	0.0	-5.39e-04
2290	145	7.41	-2.21	-3.53	3.06e-04	0.0	-4.31e-04
2290	157	5.46	-7.09	-2.81	9.49e-04	0.0	-3.49e-04
2290	176	9.20	1.95	-2.95	-2.33e-04	0.0	-5.33e-04
2290	177	7.43	-2.17	-3.51	3.02e-04	0.0	-4.25e-04
2290	189	5.49	-6.99	-2.81	9.35e-04	0.0	-3.49e-04
2290	208	10.80	2.27	-3.12	-2.78e-04	0.0	-6.24e-04
2290	209	8.71	-2.51	-3.78	3.44e-04	0.0	-4.95e-04
2290	221	6.45	-8.11	-2.96	1.08e-03	0.0	-4.10e-04
2291	28	0.07	-0.56	-3.54	1.54e-04	0.0	-4.86e-06
2291	44	0.06	-0.91	-3.20	1.99e-04	0.0	-4.22e-06
2291	52	0.07	-0.03	-3.47	7.34e-05	0.0	-5.20e-06
2291	80	0.05	-0.37	-2.51	1.05e-04	0.0	-3.54e-06
2291	88	0.04	-0.61	-2.28	1.35e-04	0.0	-3.11e-06
2291	92	0.05	-0.02	-2.46	5.16e-05	0.0	-3.77e-06
2291	98	0.04	-0.02	-2.08	4.28e-05	0.0	-3.34e-06
2291	105	0.04	-0.13	-2.01	5.88e-05	0.0	-3.17e-06
2291	107	0.04	-0.02	-2.00	4.09e-05	0.0	-3.25e-06
2291	112	6.38	1.20	-3.01	-2.92e-04	0.0	-3.92e-04
2291	113	5.16	-1.65	-3.56	3.06e-04	0.0	-3.14e-04
2291	129	3.57	-4.90	-2.75	1.07e-03	0.0	-2.47e-04
2291	144	7.19	1.36	-3.14	-3.33e-04	0.0	-4.42e-04
2291	145	5.81	-1.85	-3.75	3.39e-04	0.0	-3.53e-04
2291	161	4.03	-5.51	-2.85	1.20e-03	0.0	-2.78e-04
2291	176	7.22	1.33	-3.13	-3.26e-04	0.0	-4.39e-04
2291	177	5.83	-1.82	-3.74	3.36e-04	0.0	-3.50e-04
2291	193	4.11	-5.43	-2.86	1.18e-03	0.0	-2.82e-04
2291	208	8.51	1.55	-3.33	-3.85e-04	0.0	-5.14e-04
2291	209	6.86	-2.12	-4.03	3.84e-04	0.0	-4.09e-04
2291	225	4.91	-6.32	-3.02	1.37e-03	0.0	-3.36e-04
2292	16	-6.89e-03	0.81	-2.10	-9.21e-05	0.0	-1.87e-06
2292	18	-3.93e-03	0.81	-2.98	-7.13e-05	0.0	-2.78e-06
2292	28	-1.83e-04	-0.48	-3.54	1.54e-04	0.0	-3.82e-06
2292	73	-4.99e-03	0.54	-1.55	-5.87e-05	0.0	-1.45e-06
2292	75	-3.02e-03	0.54	-2.13	-4.49e-05	0.0	-2.05e-06
2292	80	-5.16e-04	-0.32	-2.51	1.05e-04	0.0	-2.75e-06
2292	98	-1.58e-04	5.87e-03	-2.08	4.29e-05	0.0	-2.47e-06
2292	102	-2.66e-03	0.11	-1.48	1.09e-05	0.0	-1.76e-06
2292	103	-9.73e-04	0.11	-1.98	2.28e-05	0.0	-2.28e-06
2292	106	-2.13e-03	4.12e-03	-1.50	2.90e-05	0.0	-1.87e-06
2292	107	-4.40e-04	5.62e-03	-2.00	4.09e-05	0.0	-2.39e-06
2292	113	4.67	-1.45	-3.56	3.11e-04	0.0	-2.89e-04
2292	115	-5.78	-1.07	-0.99	3.80e-04	0.0	3.57e-04
2292	130	-3.22	4.34	-1.25	-1.01e-03	0.0	2.17e-04
2292	145	5.27	-1.63	-3.75	3.45e-04	0.0	-3.26e-04
2292	147	-6.51	-1.20	-0.86	4.22e-04	0.0	4.03e-04
2292	162	-3.64	4.88	-1.15	-1.14e-03	0.0	2.46e-04
2292	177	5.28	-1.61	-3.74	3.41e-04	0.0	-3.23e-04
2292	179	-6.55	-1.18	-0.87	4.15e-04	0.0	4.01e-04
2292	194	-3.72	4.81	-1.14	-1.12e-03	0.0	2.49e-04
2292	209	6.22	-1.87	-4.03	3.90e-04	0.0	-3.77e-04
2292	211	-7.72	-1.37	-0.67	4.75e-04	0.0	4.71e-04

2292	226	-4.45	5.59	-0.98	-1.31e-03	0.0	2.99e-04
2293	28	0.13	-0.64	-3.54	1.54e-04	0.0	-5.83e-06
2293	44	0.12	-1.02	-3.20	1.99e-04	0.0	-5.08e-06
2293	52	0.13	-0.07	-3.47	7.32e-05	0.0	-6.31e-06
2293	80	0.09	-0.43	-2.51	1.05e-04	0.0	-4.29e-06
2293	88	0.09	-0.68	-2.28	1.35e-04	0.0	-3.79e-06
2293	92	0.09	-0.05	-2.46	5.15e-05	0.0	-4.60e-06
2293	98	0.08	-0.04	-2.08	4.27e-05	0.0	-4.13e-06
2293	105	0.08	-0.17	-2.01	5.87e-05	0.0	-3.93e-06
2293	107	0.08	-0.04	-2.00	4.08e-05	0.0	-4.04e-06
2293	112	6.98	1.32	-3.01	-2.74e-04	0.0	-4.24e-04
2293	113	5.65	-1.84	-3.56	2.93e-04	0.0	-3.40e-04
2293	129	3.91	-5.45	-2.75	1.02e-03	0.0	-2.74e-04
2293	144	7.86	1.49	-3.14	-3.14e-04	0.0	-4.78e-04
2293	145	6.35	-2.06	-3.75	3.25e-04	0.0	-3.83e-04
2293	161	4.41	-6.13	-2.85	1.14e-03	0.0	-3.09e-04
2293	176	7.89	1.46	-3.13	-3.07e-04	0.0	-4.74e-04
2293	177	6.37	-2.03	-3.74	3.21e-04	0.0	-3.79e-04
2293	193	4.50	-6.04	-2.86	1.12e-03	0.0	-3.13e-04
2293	208	9.28	1.71	-3.33	-3.63e-04	0.0	-5.55e-04
2293	209	7.48	-2.36	-4.03	3.67e-04	0.0	-4.42e-04
2293	225	5.36	-7.02	-3.02	1.30e-03	0.0	-3.73e-04
2294	28	0.19	-0.72	-3.54	1.54e-04	0.0	-6.45e-06
2294	44	0.18	-1.12	-3.20	1.99e-04	0.0	-5.63e-06
2294	52	0.20	-0.11	-3.47	7.28e-05	0.0	-6.99e-06
2294	80	0.14	-0.49	-2.51	1.05e-04	0.0	-4.76e-06
2294	88	0.13	-0.75	-2.28	1.35e-04	0.0	-4.21e-06
2294	92	0.14	-0.07	-2.46	5.12e-05	0.0	-5.12e-06
2294	98	0.12	-0.06	-2.08	4.25e-05	0.0	-4.63e-06
2294	105	0.12	-0.20	-2.01	5.86e-05	0.0	-4.41e-06
2294	107	0.12	-0.06	-2.00	4.06e-05	0.0	-4.53e-06
2294	112	7.57	1.43	-3.01	-2.50e-04	0.0	-4.54e-04
2294	113	6.13	-2.02	-3.56	2.75e-04	0.0	-3.64e-04
2294	129	4.26	-5.97	-2.75	9.43e-04	0.0	-2.99e-04
2294	144	8.52	1.61	-3.14	-2.86e-04	0.0	-5.11e-04
2294	145	6.89	-2.26	-3.75	3.04e-04	0.0	-4.09e-04
2294	161	4.80	-6.70	-2.85	1.06e-03	0.0	-3.37e-04
2294	176	8.55	1.59	-3.13	-2.80e-04	0.0	-5.06e-04
2294	177	6.91	-2.23	-3.74	3.01e-04	0.0	-4.04e-04
2294	193	4.89	-6.61	-2.86	1.04e-03	0.0	-3.41e-04
2294	208	10.05	1.85	-3.33	-3.32e-04	0.0	-5.91e-04
2294	209	8.11	-2.58	-4.03	3.43e-04	0.0	-4.71e-04
2294	225	5.81	-7.68	-3.02	1.20e-03	0.0	-4.06e-04
2295	28	0.26	-0.80	-3.54	1.54e-04	0.0	-6.64e-06
2295	44	0.23	-1.23	-3.20	1.99e-04	0.0	-5.80e-06
2295	52	0.26	-0.14	-3.47	7.24e-05	0.0	-7.19e-06
2295	80	0.18	-0.54	-2.51	1.05e-04	0.0	-4.90e-06
2295	88	0.17	-0.82	-2.29	1.35e-04	0.0	-4.34e-06
2295	92	0.19	-0.10	-2.46	5.10e-05	0.0	-5.27e-06
2295	98	0.16	-0.08	-2.08	4.23e-05	0.0	-4.78e-06
2295	105	0.16	-0.23	-2.01	5.84e-05	0.0	-4.55e-06
2295	107	0.16	-0.08	-2.00	4.04e-05	0.0	-4.67e-06
2295	112	8.19	1.52	-3.01	-2.23e-04	0.0	-4.80e-04
2295	113	6.62	-2.18	-3.55	2.55e-04	0.0	-3.84e-04
2295	129	4.62	-6.44	-2.75	8.61e-04	0.0	-3.18e-04
2295	144	9.21	1.72	-3.14	-2.56e-04	0.0	-5.40e-04
2295	145	7.44	-2.45	-3.75	2.81e-04	0.0	-4.32e-04
2295	161	5.19	-7.23	-2.85	9.63e-04	0.0	-3.58e-04
2295	176	9.24	1.70	-3.13	-2.51e-04	0.0	-5.35e-04
2295	177	7.46	-2.41	-3.74	2.78e-04	0.0	-4.27e-04
2295	193	5.29	-7.13	-2.85	9.49e-04	0.0	-3.62e-04
2295	208	10.85	1.98	-3.33	-2.98e-04	0.0	-6.25e-04
2295	209	8.75	-2.79	-4.03	3.17e-04	0.0	-4.97e-04
2295	225	6.28	-8.28	-3.02	1.10e-03	0.0	-4.31e-04
2296	28	0.07	-0.56	-3.59	1.55e-04	0.0	-4.48e-06
2296	44	0.06	-0.91	-3.25	2.00e-04	0.0	-3.89e-06
2296	52	0.07	-0.03	-3.52	7.44e-05	0.0	-4.78e-06
2296	80	0.05	-0.38	-2.54	1.06e-04	0.0	-3.26e-06
2296	88	0.04	-0.61	-2.32	1.36e-04	0.0	-2.88e-06
2296	92	0.05	-0.02	-2.50	5.24e-05	0.0	-3.47e-06
2296	98	0.04	-0.02	-2.11	4.36e-05	0.0	-3.08e-06
2296	105	0.04	-0.14	-2.04	5.95e-05	0.0	-2.92e-06
2296	107	0.04	-0.02	-2.03	4.16e-05	0.0	-2.99e-06
2296	112	6.38	1.00	-3.18	-1.94e-04	0.0	-3.92e-04
2296	113	5.16	-1.84	-3.76	4.09e-04	0.0	-3.14e-04

2296	129	3.57	-4.99	-2.85	1.11e-03	0.0	-2.47e-04
2296	144	7.19	1.13	-3.32	-2.23e-04	0.0	-4.42e-04
2296	145	5.81	-2.07	-3.98	4.54e-04	0.0	-3.54e-04
2296	161	4.03	-5.62	-2.96	1.24e-03	0.0	-2.79e-04
2296	176	7.23	1.11	-3.32	-2.20e-04	0.0	-4.39e-04
2296	177	5.83	-2.04	-3.96	4.46e-04	0.0	-3.50e-04
2296	193	4.12	-5.54	-2.96	1.22e-03	0.0	-2.83e-04
2296	208	8.51	1.28	-3.54	-2.63e-04	0.0	-5.14e-04
2296	209	6.86	-2.37	-4.29	5.11e-04	0.0	-4.09e-04
2296	225	4.91	-6.45	-3.14	1.42e-03	0.0	-3.37e-04
2297	16	-5.89e-03	0.81	-2.13	-9.10e-05	0.0	-1.82e-06
2297	28	1.20e-03	-0.48	-3.59	1.55e-04	0.0	-3.37e-06
2297	45	-4.14e-03	-0.81	-1.55	1.62e-04	0.0	-1.16e-06
2297	73	-4.25e-03	0.54	-1.57	-5.78e-05	0.0	-1.39e-06
2297	75	-2.11e-03	0.54	-2.17	-4.40e-05	0.0	-1.95e-06
2297	80	4.80e-04	-0.32	-2.54	1.06e-04	0.0	-2.43e-06
2297	98	7.07e-04	4.62e-03	-2.11	4.38e-05	0.0	-2.26e-06
2297	102	-1.97e-03	0.11	-1.50	1.18e-05	0.0	-1.62e-06
2297	103	-1.33e-04	0.11	-2.01	2.37e-05	0.0	-2.09e-06
2297	106	-1.43e-03	3.19e-03	-1.52	2.99e-05	0.0	-1.70e-06
2297	107	4.01e-04	4.41e-03	-2.03	4.18e-05	0.0	-2.18e-06
2297	112	5.77	0.89	-3.18	-1.98e-04	0.0	-3.62e-04
2297	113	4.67	-1.63	-3.76	4.16e-04	0.0	-2.89e-04
2297	130	-3.21	4.41	-1.21	-1.04e-03	0.0	2.17e-04
2297	144	6.51	1.00	-3.32	-2.28e-04	0.0	-4.07e-04
2297	145	5.26	-1.83	-3.98	4.63e-04	0.0	-3.25e-04
2297	162	-3.63	4.96	-1.10	-1.18e-03	0.0	2.46e-04
2297	176	6.54	0.98	-3.32	-2.25e-04	0.0	-4.05e-04
2297	177	5.28	-1.81	-3.96	4.54e-04	0.0	-3.23e-04
2297	194	-3.72	4.90	-1.09	-1.16e-03	0.0	2.50e-04
2297	208	7.71	1.14	-3.54	-2.68e-04	0.0	-4.76e-04
2297	209	6.22	-2.10	-4.29	5.20e-04	0.0	-3.77e-04
2297	226	-4.44	5.70	-0.91	-1.36e-03	0.0	2.99e-04
2298	28	0.13	-0.64	-3.59	1.54e-04	0.0	-5.29e-06
2298	44	0.12	-1.02	-3.25	1.99e-04	0.0	-4.68e-06
2298	52	0.13	-0.07	-3.52	7.39e-05	0.0	-5.64e-06
2298	80	0.09	-0.43	-2.54	1.06e-04	0.0	-3.89e-06
2298	88	0.09	-0.68	-2.32	1.36e-04	0.0	-3.49e-06
2298	92	0.09	-0.05	-2.50	5.20e-05	0.0	-4.13e-06
2298	98	0.08	-0.04	-2.11	4.33e-05	0.0	-3.72e-06
2298	105	0.08	-0.17	-2.04	5.92e-05	0.0	-3.56e-06
2298	107	0.08	-0.04	-2.03	4.13e-05	0.0	-3.64e-06
2298	112	6.98	1.10	-3.18	-1.82e-04	0.0	-4.25e-04
2298	113	5.65	-2.05	-3.76	3.88e-04	0.0	-3.40e-04
2298	129	3.91	-5.56	-2.85	1.05e-03	0.0	-2.76e-04
2298	144	7.86	1.24	-3.32	-2.10e-04	0.0	-4.78e-04
2298	145	6.35	-2.30	-3.98	4.32e-04	0.0	-3.83e-04
2298	161	4.41	-6.25	-2.96	1.17e-03	0.0	-3.11e-04
2298	176	7.89	1.22	-3.32	-2.07e-04	0.0	-4.74e-04
2298	177	6.37	-2.27	-3.96	4.24e-04	0.0	-3.79e-04
2298	193	4.50	-6.17	-2.96	1.16e-03	0.0	-3.15e-04
2298	208	9.28	1.42	-3.54	-2.48e-04	0.0	-5.55e-04
2298	209	7.48	-2.64	-4.29	4.85e-04	0.0	-4.42e-04
2298	225	5.36	-7.18	-3.14	1.34e-03	0.0	-3.75e-04
2299	28	0.19	-0.73	-3.59	1.54e-04	0.0	-5.65e-06
2299	44	0.18	-1.12	-3.25	1.99e-04	0.0	-5.05e-06
2299	52	0.20	-0.11	-3.52	7.32e-05	0.0	-6.01e-06
2299	80	0.14	-0.49	-2.54	1.05e-04	0.0	-4.18e-06
2299	88	0.13	-0.75	-2.32	1.35e-04	0.0	-3.78e-06
2299	92	0.14	-0.08	-2.50	5.15e-05	0.0	-4.42e-06
2299	98	0.12	-0.06	-2.11	4.28e-05	0.0	-4.03e-06
2299	105	0.12	-0.20	-2.04	5.88e-05	0.0	-3.87e-06
2299	107	0.12	-0.06	-2.03	4.09e-05	0.0	-3.95e-06
2299	112	7.57	1.20	-3.18	-1.65e-04	0.0	-4.54e-04
2299	113	6.12	-2.25	-3.76	3.59e-04	0.0	-3.64e-04
2299	129	4.26	-6.09	-2.85	9.65e-04	0.0	-3.03e-04
2299	144	8.52	1.35	-3.32	-1.91e-04	0.0	-5.11e-04
2299	145	6.89	-2.52	-3.98	3.99e-04	0.0	-4.10e-04
2299	161	4.79	-6.85	-2.96	1.08e-03	0.0	-3.41e-04
2299	176	8.55	1.33	-3.32	-1.88e-04	0.0	-5.06e-04
2299	177	6.90	-2.48	-3.96	3.92e-04	0.0	-4.05e-04
2299	193	4.89	-6.76	-2.96	1.07e-03	0.0	-3.45e-04
2299	208	10.05	1.55	-3.54	-2.26e-04	0.0	-5.92e-04
2299	209	8.10	-2.88	-4.29	4.48e-04	0.0	-4.72e-04
2299	225	5.81	-7.86	-3.14	1.23e-03	0.0	-4.11e-04

2300	28	0.27	-0.81	-3.59	1.54e-04	0.0	-5.54e-06
2300	44	0.24	-1.23	-3.25	1.99e-04	0.0	-5.00e-06
2300	52	0.27	-0.15	-3.52	7.26e-05	0.0	-5.88e-06
2300	80	0.19	-0.54	-2.54	1.05e-04	0.0	-4.11e-06
2300	88	0.18	-0.82	-2.32	1.35e-04	0.0	-3.75e-06
2300	92	0.19	-0.10	-2.50	5.11e-05	0.0	-4.34e-06
2300	98	0.17	-0.09	-2.11	4.24e-05	0.0	-3.98e-06
2300	105	0.16	-0.23	-2.04	5.85e-05	0.0	-3.84e-06
2300	107	0.16	-0.08	-2.03	4.05e-05	0.0	-3.91e-06
2300	112	8.23	1.28	-3.18	-1.46e-04	0.0	-4.81e-04
2300	113	6.66	-2.43	-3.76	3.26e-04	0.0	-3.85e-04
2300	129	4.65	-6.57	-2.85	8.70e-04	0.0	-3.26e-04
2300	144	9.26	1.45	-3.33	-1.70e-04	0.0	-5.42e-04
2300	145	7.49	-2.72	-3.98	3.61e-04	0.0	-4.33e-04
2300	161	5.23	-7.38	-2.96	9.73e-04	0.0	-3.68e-04
2300	176	9.29	1.42	-3.32	-1.67e-04	0.0	-5.36e-04
2300	177	7.50	-2.68	-3.97	3.55e-04	0.0	-4.28e-04
2300	193	5.32	-7.29	-2.97	9.60e-04	0.0	-3.72e-04
2300	208	10.91	1.66	-3.55	-2.01e-04	0.0	-6.26e-04
2300	209	8.80	-3.10	-4.30	4.05e-04	0.0	-4.99e-04
2300	225	6.32	-8.47	-3.15	1.11e-03	0.0	-4.42e-04
2301	28	0.07	-0.57	-3.64	1.56e-04	0.0	-4.39e-06
2301	44	0.06	-0.92	-3.30	2.01e-04	0.0	-3.81e-06
2301	52	0.07	-0.03	-3.57	7.54e-05	0.0	-4.69e-06
2301	80	0.05	-0.38	-2.58	1.07e-04	0.0	-3.20e-06
2301	88	0.04	-0.61	-2.35	1.37e-04	0.0	-2.82e-06
2301	92	0.05	-0.02	-2.53	5.31e-05	0.0	-3.40e-06
2301	98	0.04	-0.02	-2.14	4.43e-05	0.0	-3.02e-06
2301	105	0.04	-0.14	-2.07	6.02e-05	0.0	-2.87e-06
2301	107	0.04	-0.02	-2.05	4.24e-05	0.0	-2.94e-06
2301	112	6.39	0.80	-3.47	-1.65e-04	0.0	-3.92e-04
2301	113	5.17	-2.04	-4.11	4.41e-04	0.0	-3.14e-04
2301	129	3.57	-5.09	-3.01	1.14e-03	0.0	-2.47e-04
2301	144	7.19	0.90	-3.64	-1.91e-04	0.0	-4.42e-04
2301	145	5.82	-2.29	-4.37	4.91e-04	0.0	-3.54e-04
2301	161	4.03	-5.72	-3.13	1.28e-03	0.0	-2.79e-04
2301	176	7.23	0.88	-3.64	-1.89e-04	0.0	-4.39e-04
2301	177	5.83	-2.26	-4.35	4.82e-04	0.0	-3.50e-04
2301	193	4.12	-5.65	-3.15	1.26e-03	0.0	-2.83e-04
2301	208	8.51	1.02	-3.91	-2.27e-04	0.0	-5.14e-04
2301	209	6.86	-2.63	-4.75	5.52e-04	0.0	-4.09e-04
2301	225	4.91	-6.59	-3.36	1.46e-03	0.0	-3.37e-04
2302	20	-5.19e-03	0.81	-1.54	-1.03e-04	0.0	-1.06e-06
2302	28	2.46e-03	-0.48	-3.64	1.56e-04	0.0	-2.89e-06
2302	45	-3.53e-03	-0.81	-1.57	1.63e-04	0.0	0.0
2302	73	-3.59e-03	0.54	-1.59	-5.71e-05	0.0	-1.24e-06
2302	80	1.39e-03	-0.32	-2.58	1.07e-04	0.0	-2.08e-06
2302	85	-2.48e-03	-0.54	-1.61	1.20e-04	0.0	-1.09e-06
2302	98	1.49e-03	3.51e-03	-2.14	4.47e-05	0.0	-1.99e-06
2302	103	6.21e-04	0.11	-2.04	2.46e-05	0.0	-1.85e-06
2302	107	1.16e-03	3.35e-03	-2.06	4.27e-05	0.0	-1.92e-06
2302	112	5.77	0.71	-3.47	-1.68e-04	0.0	-3.62e-04
2302	113	4.67	-1.81	-4.12	4.49e-04	0.0	-2.89e-04
2302	130	-3.21	4.48	-1.10	-1.07e-03	0.0	2.18e-04
2302	144	6.50	0.79	-3.65	-1.95e-04	0.0	-4.07e-04
2302	145	5.26	-2.03	-4.38	5.00e-04	0.0	-3.25e-04
2302	162	-3.63	5.04	-0.97	-1.21e-03	0.0	2.46e-04
2302	176	6.54	0.77	-3.65	-1.93e-04	0.0	-4.05e-04
2302	177	5.27	-2.00	-4.36	4.90e-04	0.0	-3.23e-04
2302	194	-3.71	4.99	-0.96	-1.20e-03	0.0	2.50e-04
2302	208	7.70	0.89	-3.92	-2.31e-04	0.0	-4.75e-04
2302	209	6.21	-2.34	-4.76	5.62e-04	0.0	-3.77e-04
2302	226	-4.44	5.81	-0.75	-1.40e-03	0.0	2.99e-04
2303	28	0.13	-0.65	-3.64	1.55e-04	0.0	-5.19e-06
2303	44	0.12	-1.02	-3.29	2.00e-04	0.0	-4.61e-06
2303	52	0.13	-0.07	-3.57	7.44e-05	0.0	-5.52e-06
2303	80	0.09	-0.43	-2.58	1.06e-04	0.0	-3.82e-06
2303	88	0.09	-0.68	-2.35	1.36e-04	0.0	-3.43e-06
2303	92	0.10	-0.05	-2.53	5.24e-05	0.0	-4.04e-06
2303	98	0.08	-0.04	-2.14	4.37e-05	0.0	-3.64e-06
2303	105	0.08	-0.17	-2.07	5.96e-05	0.0	-3.49e-06
2303	107	0.08	-0.04	-2.05	4.17e-05	0.0	-3.56e-06
2303	112	6.98	0.88	-3.44	-1.55e-04	0.0	-4.25e-04
2303	113	5.65	-2.27	-4.08	4.20e-04	0.0	-3.40e-04
2303	129	3.92	-5.68	-3.00	1.08e-03	0.0	-2.76e-04

2303	144	7.86	1.00	-3.62	-1.80e-04	0.0	-4.78e-04
2303	145	6.36	-2.55	-4.34	4.67e-04	0.0	-3.83e-04
2303	161	4.42	-6.38	-3.12	1.21e-03	0.0	-3.11e-04
2303	176	7.90	0.98	-3.61	-1.78e-04	0.0	-4.74e-04
2303	177	6.37	-2.51	-4.32	4.58e-04	0.0	-3.79e-04
2303	193	4.51	-6.31	-3.13	1.19e-03	0.0	-3.15e-04
2303	208	9.29	1.13	-3.89	-2.14e-04	0.0	-5.55e-04
2303	209	7.49	-2.91	-4.71	5.24e-04	0.0	-4.42e-04
2303	225	5.36	-7.34	-3.34	1.38e-03	0.0	-3.76e-04
2304	28	0.20	-0.73	-3.63	1.54e-04	0.0	-5.45e-06
2304	44	0.18	-1.13	-3.29	1.99e-04	0.0	-4.90e-06
2304	52	0.20	-0.11	-3.56	7.33e-05	0.0	-5.78e-06
2304	80	0.14	-0.49	-2.57	1.06e-04	0.0	-4.03e-06
2304	88	0.13	-0.76	-2.34	1.36e-04	0.0	-3.67e-06
2304	92	0.14	-0.08	-2.53	5.16e-05	0.0	-4.25e-06
2304	98	0.12	-0.07	-2.13	4.29e-05	0.0	-3.88e-06
2304	105	0.12	-0.20	-2.06	5.90e-05	0.0	-3.74e-06
2304	107	0.12	-0.06	-2.05	4.10e-05	0.0	-3.81e-06
2304	112	7.56	0.96	-3.41	-1.40e-04	0.0	-4.55e-04
2304	113	6.12	-2.48	-4.04	3.88e-04	0.0	-3.64e-04
2304	129	4.25	-6.23	-2.98	9.93e-04	0.0	-3.04e-04
2304	144	8.51	1.09	-3.58	-1.63e-04	0.0	-5.12e-04
2304	145	6.88	-2.78	-4.29	4.31e-04	0.0	-4.10e-04
2304	161	4.79	-7.00	-3.10	1.11e-03	0.0	-3.43e-04
2304	176	8.54	1.07	-3.57	-1.61e-04	0.0	-5.06e-04
2304	177	6.90	-2.74	-4.27	4.23e-04	0.0	-4.05e-04
2304	193	4.88	-6.91	-3.11	1.10e-03	0.0	-3.47e-04
2304	208	10.04	1.24	-3.84	-1.94e-04	0.0	-5.92e-04
2304	209	8.09	-3.18	-4.65	4.84e-04	0.0	-4.73e-04
2304	225	5.80	-8.04	-3.31	1.27e-03	0.0	-4.13e-04
2305	28	0.29	-0.81	-3.62	1.54e-04	0.0	-4.58e-06
2305	44	0.27	-1.23	-3.28	1.99e-04	0.0	-4.28e-06
2305	52	0.29	-0.15	-3.55	7.30e-05	0.0	-4.79e-06
2305	80	0.21	-0.54	-2.56	1.05e-04	0.0	-3.44e-06
2305	88	0.19	-0.83	-2.33	1.36e-04	0.0	-3.24e-06
2305	92	0.21	-0.11	-2.52	5.14e-05	0.0	-3.58e-06
2305	98	0.19	-0.09	-2.13	4.27e-05	0.0	-3.35e-06
2305	105	0.18	-0.23	-2.06	5.87e-05	0.0	-3.27e-06
2305	107	0.18	-0.08	-2.04	4.07e-05	0.0	-3.31e-06
2305	112	8.30	1.04	-3.34	-1.20e-04	0.0	-4.82e-04
2305	113	6.72	-2.67	-3.97	3.46e-04	0.0	-3.86e-04
2305	129	4.69	-6.72	-2.94	8.77e-04	0.0	-3.32e-04
2305	144	9.33	1.17	-3.51	-1.40e-04	0.0	-5.42e-04
2305	145	7.55	-3.00	-4.21	3.84e-04	0.0	-4.34e-04
2305	161	5.28	-7.55	-3.06	9.81e-04	0.0	-3.74e-04
2305	176	9.36	1.15	-3.50	-1.38e-04	0.0	-5.36e-04
2305	177	7.56	-2.95	-4.19	3.76e-04	0.0	-4.28e-04
2305	193	5.37	-7.46	-3.07	9.68e-04	0.0	-3.78e-04
2305	208	10.99	1.34	-3.76	-1.68e-04	0.0	-6.27e-04
2305	209	8.87	-3.42	-4.56	4.30e-04	0.0	-5.00e-04
2305	225	6.37	-8.68	-3.27	1.12e-03	0.0	-4.50e-04
2306	28	0.26	-0.84	-2.72	1.69e-04	0.0	-5.90e-06
2306	44	0.23	-1.30	-2.44	2.09e-04	0.0	0.0
2306	52	0.26	-0.13	-2.67	9.33e-05	0.0	-1.13e-05
2306	80	0.19	-0.56	-1.92	1.16e-04	0.0	-4.36e-06
2306	88	0.17	-0.87	-1.73	1.43e-04	0.0	-1.06e-06
2306	92	0.19	-0.09	-1.88	6.57e-05	0.0	-7.94e-06
2306	98	0.16	-0.07	-1.56	5.47e-05	0.0	-6.67e-06
2306	105	0.15	-0.23	-1.51	6.91e-05	0.0	-5.17e-06
2306	107	0.15	-0.07	-1.49	5.22e-05	0.0	-6.36e-06
2306	112	8.43	3.44	-1.59	-3.61e-04	0.0	-4.94e-04
2306	133	-0.30	-6.33	-2.10	8.68e-04	0.0	2.92e-05
2306	139	-4.50	-7.24	-1.97	9.63e-04	0.0	2.98e-04
2306	144	9.48	3.88	-1.60	-4.13e-04	0.0	-5.55e-04
2306	165	-0.36	-7.11	-2.18	9.70e-04	0.0	3.41e-05
2306	171	-5.11	-8.14	-2.03	1.08e-03	0.0	3.37e-04
2306	176	9.51	3.83	-1.60	-4.03e-04	0.0	-5.49e-04
2306	197	-0.38	-7.03	-2.17	9.60e-04	0.0	3.51e-05
2306	203	-5.20	-8.06	-2.02	1.06e-03	0.0	3.39e-04
2306	208	11.17	4.48	-1.62	-4.77e-04	0.0	-6.41e-04
2306	229	-0.48	-8.18	-2.28	1.11e-03	0.0	4.46e-05
2306	235	-6.23	-9.39	-2.10	1.23e-03	0.0	4.05e-04
2307	28	0.26	-0.93	-2.77	1.71e-04	0.0	-7.85e-06
2307	44	0.23	-1.40	-2.48	2.08e-04	0.0	-4.57e-06
2307	52	0.26	-0.18	-2.71	9.98e-05	0.0	-1.23e-05

2307	80	0.19	-0.62	-1.94	1.18e-04	0.0	-6.23e-06
2307	88	0.16	-0.94	-1.75	1.43e-04	0.0	-4.04e-06
2307	92	0.19	-0.12	-1.91	7.06e-05	0.0	-9.19e-06
2307	98	0.16	-0.10	-1.59	5.93e-05	0.0	-8.56e-06
2307	105	0.15	-0.26	-1.53	7.28e-05	0.0	-7.51e-06
2307	107	0.15	-0.10	-1.51	5.69e-05	0.0	-8.49e-06
2307	112	8.74	3.60	-1.62	-3.30e-04	0.0	-5.40e-04
2307	133	-0.32	-6.75	-2.13	8.25e-04	0.0	5.13e-05
2307	139	-4.68	-7.70	-2.00	9.13e-04	0.0	3.40e-04
2307	144	9.84	4.07	-1.63	-3.78e-04	0.0	-6.07e-04
2307	165	-0.39	-7.58	-2.21	9.21e-04	0.0	5.95e-05
2307	171	-5.31	-8.66	-2.06	1.02e-03	0.0	3.85e-04
2307	176	9.86	4.02	-1.62	-3.69e-04	0.0	-6.00e-04
2307	197	-0.40	-7.50	-2.20	9.11e-04	0.0	6.28e-05
2307	203	-5.41	-8.57	-2.05	1.01e-03	0.0	3.89e-04
2307	208	11.59	4.71	-1.64	-4.37e-04	0.0	-7.01e-04
2307	229	-0.51	-8.72	-2.31	1.05e-03	0.0	7.86e-05
2307	235	-6.48	-9.99	-2.13	1.17e-03	0.0	4.66e-04
2308	28	0.31	-1.01	-2.83	1.41e-04	0.0	-6.74e-06
2308	44	0.27	-1.51	-2.53	1.68e-04	0.0	-6.08e-06
2308	52	0.32	-0.23	-2.77	8.60e-05	0.0	-6.68e-06
2308	80	0.22	-0.68	-1.99	9.74e-05	0.0	-4.79e-06
2308	88	0.20	-1.01	-1.79	1.15e-04	0.0	-4.35e-06
2308	92	0.22	-0.16	-1.95	6.08e-05	0.0	-4.75e-06
2308	98	0.18	-0.13	-1.62	5.11e-05	0.0	-4.05e-06
2308	105	0.18	-0.30	-1.56	6.11e-05	0.0	-3.91e-06
2308	107	0.18	-0.13	-1.55	4.89e-05	0.0	-3.89e-06
2308	112	9.02	3.75	-1.65	-3.66e-05	0.0	-5.43e-04
2308	133	-0.31	-7.15	-2.17	6.04e-04	0.0	4.12e-05
2308	139	-4.79	-8.14	-2.03	6.04e-04	0.0	3.36e-04
2308	144	10.14	4.24	-1.67	-4.73e-05	0.0	-6.11e-04
2308	165	-0.38	-8.03	-2.25	6.73e-04	0.0	4.74e-05
2308	171	-5.44	-9.14	-2.09	6.73e-04	0.0	3.80e-04
2308	176	10.17	4.19	-1.66	-4.90e-05	0.0	-6.04e-04
2308	197	-0.39	-7.94	-2.24	6.64e-04	0.0	4.99e-05
2308	203	-5.54	-9.06	-2.08	6.64e-04	0.0	3.83e-04
2308	208	11.94	4.91	-1.68	-6.65e-05	0.0	-7.06e-04
2308	229	-0.50	-9.22	-2.35	7.64e-04	0.0	6.24e-05
2308	235	-6.63	-10.55	-2.17	7.65e-04	0.0	4.58e-04
2309	28	0.26	-0.84	-2.91	1.67e-04	0.0	-1.00e-05
2309	44	0.23	-1.30	-2.62	2.08e-04	0.0	-5.03e-06
2309	52	0.26	-0.14	-2.85	8.95e-05	0.0	-1.54e-05
2309	80	0.19	-0.57	-2.05	1.15e-04	0.0	-7.47e-06
2309	88	0.17	-0.87	-1.86	1.42e-04	0.0	-4.16e-06
2309	92	0.19	-0.10	-2.01	6.32e-05	0.0	-1.10e-05
2309	98	0.16	-0.08	-1.69	5.28e-05	0.0	-9.64e-06
2309	105	0.15	-0.23	-1.63	6.77e-05	0.0	-8.14e-06
2309	107	0.15	-0.07	-1.61	5.05e-05	0.0	-9.33e-06
2309	112	8.44	3.17	-1.83	-3.22e-04	0.0	-4.99e-04
2309	133	-0.30	-6.38	-2.32	8.36e-04	0.0	2.65e-05
2309	139	-4.50	-7.14	-2.11	9.13e-04	0.0	2.95e-04
2309	144	9.49	3.58	-1.86	-3.68e-04	0.0	-5.61e-04
2309	165	-0.36	-7.17	-2.41	9.35e-04	0.0	3.14e-05
2309	171	-5.11	-8.02	-2.17	1.02e-03	0.0	3.35e-04
2309	176	9.52	3.54	-1.86	-3.60e-04	0.0	-5.55e-04
2309	197	-0.37	-7.09	-2.40	9.24e-04	0.0	3.28e-05
2309	203	-5.21	-7.94	-2.16	1.01e-03	0.0	3.37e-04
2309	208	11.18	4.14	-1.90	-4.26e-04	0.0	-6.48e-04
2309	229	-0.48	-8.24	-2.52	1.07e-03	0.0	4.26e-05
2309	235	-6.24	-9.25	-2.25	1.17e-03	0.0	4.04e-04
2310	28	0.27	-0.93	-2.93	1.70e-04	0.0	-8.00e-06
2310	44	0.24	-1.40	-2.63	2.09e-04	0.0	-4.82e-06
2310	52	0.27	-0.18	-2.87	9.52e-05	0.0	-1.17e-05
2310	80	0.19	-0.63	-2.06	1.17e-04	0.0	-6.10e-06
2310	88	0.17	-0.94	-1.87	1.43e-04	0.0	-3.98e-06
2310	92	0.19	-0.13	-2.02	6.73e-05	0.0	-8.54e-06
2310	98	0.16	-0.11	-1.69	5.66e-05	0.0	-7.74e-06
2310	105	0.16	-0.27	-1.63	7.09e-05	0.0	-6.76e-06
2310	107	0.16	-0.10	-1.62	5.43e-05	0.0	-7.58e-06
2310	112	8.75	3.32	-1.84	-3.03e-04	0.0	-5.26e-04
2310	133	-0.32	-6.79	-2.33	8.10e-04	0.0	3.65e-05
2310	139	-4.67	-7.58	-2.12	8.84e-04	0.0	3.20e-04
2310	144	9.84	3.75	-1.87	-3.48e-04	0.0	-5.91e-04
2310	165	-0.38	-7.63	-2.42	9.04e-04	0.0	4.26e-05
2310	171	-5.30	-8.52	-2.18	9.88e-04	0.0	3.62e-04

2310	176	9.87	3.71	-1.86	-3.39e-04	0.0	-5.85e-04
2310	197	-0.40	-7.54	-2.40	8.94e-04	0.0	4.50e-05
2310	203	-5.40	-8.43	-2.17	9.76e-04	0.0	3.65e-04
2310	208	11.59	4.34	-1.91	-4.03e-04	0.0	-6.83e-04
2310	229	-0.50	-8.76	-2.53	1.03e-03	0.0	5.72e-05
2310	235	-6.47	-9.81	-2.25	1.13e-03	0.0	4.37e-04
2311	28	0.31	-1.02	-2.95	1.45e-04	0.0	-6.52e-06
2311	44	0.27	-1.51	-2.66	1.70e-04	0.0	-5.82e-06
2311	52	0.31	-0.23	-2.89	9.03e-05	0.0	-6.56e-06
2311	80	0.22	-0.69	-2.08	9.97e-05	0.0	-4.66e-06
2311	88	0.19	-1.01	-1.88	1.16e-04	0.0	-4.19e-06
2311	92	0.22	-0.16	-2.04	6.33e-05	0.0	-4.68e-06
2311	98	0.18	-0.14	-1.71	5.19e-05	0.0	-4.03e-06
2311	105	0.18	-0.30	-1.65	6.15e-05	0.0	-3.87e-06
2311	107	0.18	-0.13	-1.63	4.94e-05	0.0	-3.88e-06
2311	112	9.02	3.47	-1.85	-5.72e-05	0.0	-5.42e-04
2311	133	-0.31	-7.19	-2.34	6.42e-04	0.0	4.23e-05
2311	139	-4.79	-8.01	-2.13	6.03e-04	0.0	3.36e-04
2311	144	10.14	3.92	-1.88	-7.04e-05	0.0	-6.10e-04
2311	165	-0.38	-8.07	-2.43	7.16e-04	0.0	4.87e-05
2311	171	-5.44	-9.00	-2.19	6.72e-04	0.0	3.80e-04
2311	176	10.17	3.87	-1.87	-7.14e-05	0.0	-6.02e-04
2311	197	-0.39	-7.98	-2.41	7.05e-04	0.0	5.12e-05
2311	203	-5.54	-8.91	-2.18	6.64e-04	0.0	3.83e-04
2311	208	11.94	4.53	-1.92	-9.24e-05	0.0	-7.04e-04
2311	229	-0.51	-9.26	-2.54	8.12e-04	0.0	6.39e-05
2311	235	-6.63	-10.37	-2.27	7.64e-04	0.0	4.57e-04
2312	28	0.26	-0.85	-3.06	1.63e-04	0.0	-1.19e-05
2312	44	0.24	-1.30	-2.77	2.06e-04	0.0	-7.65e-06
2312	52	0.27	-0.15	-3.00	8.44e-05	0.0	-1.62e-05
2312	80	0.19	-0.57	-2.16	1.12e-04	0.0	-8.84e-06
2312	88	0.17	-0.87	-1.97	1.40e-04	0.0	-5.99e-06
2312	92	0.19	-0.10	-2.12	5.96e-05	0.0	-1.17e-05
2312	98	0.16	-0.08	-1.79	4.98e-05	0.0	-1.03e-05
2312	105	0.15	-0.24	-1.72	6.51e-05	0.0	-9.04e-06
2312	107	0.16	-0.08	-1.71	4.76e-05	0.0	-1.00e-05
2312	112	8.45	2.91	-2.06	-2.91e-04	0.0	-4.99e-04
2312	133	-0.30	-6.44	-2.51	8.18e-04	0.0	2.46e-05
2312	139	-4.51	-7.05	-2.22	8.79e-04	0.0	2.93e-04
2312	144	9.50	3.29	-2.11	-3.33e-04	0.0	-5.61e-04
2312	165	-0.36	-7.24	-2.61	9.14e-04	0.0	2.94e-05
2312	171	-5.11	-7.92	-2.29	9.83e-04	0.0	3.32e-04
2312	176	9.53	3.25	-2.10	-3.26e-04	0.0	-5.55e-04
2312	197	-0.37	-7.15	-2.60	9.03e-04	0.0	3.07e-05
2312	203	-5.21	-7.83	-2.27	9.71e-04	0.0	3.34e-04
2312	208	11.19	3.80	-2.17	-3.86e-04	0.0	-6.48e-04
2312	229	-0.48	-8.31	-2.74	1.04e-03	0.0	4.03e-05
2312	235	-6.24	-9.11	-2.36	1.12e-03	0.0	4.00e-04
2313	28	0.28	-0.93	-3.07	1.66e-04	0.0	-8.70e-06
2313	44	0.25	-1.41	-2.77	2.08e-04	0.0	-6.00e-06
2313	52	0.28	-0.19	-3.01	8.90e-05	0.0	-1.14e-05
2313	80	0.20	-0.63	-2.17	1.15e-04	0.0	-6.48e-06
2313	88	0.17	-0.94	-1.97	1.42e-04	0.0	-4.68e-06
2313	92	0.20	-0.13	-2.13	6.29e-05	0.0	-8.29e-06
2313	98	0.17	-0.11	-1.79	5.28e-05	0.0	-7.39e-06
2313	105	0.16	-0.27	-1.73	6.78e-05	0.0	-6.59e-06
2313	107	0.16	-0.10	-1.71	5.06e-05	0.0	-7.20e-06
2313	112	8.75	3.05	-2.06	-2.75e-04	0.0	-5.21e-04
2313	133	-0.31	-6.84	-2.52	7.91e-04	0.0	3.30e-05
2313	139	-4.67	-7.47	-2.23	8.50e-04	0.0	3.14e-04
2313	144	9.84	3.45	-2.11	-3.16e-04	0.0	-5.86e-04
2313	165	-0.37	-7.68	-2.62	8.83e-04	0.0	3.86e-05
2313	171	-5.29	-8.39	-2.29	9.50e-04	0.0	3.56e-04
2313	176	9.87	3.40	-2.10	-3.08e-04	0.0	-5.80e-04
2313	197	-0.39	-7.59	-2.60	8.73e-04	0.0	4.06e-05
2313	203	-5.39	-8.30	-2.28	9.38e-04	0.0	3.59e-04
2313	208	11.59	3.98	-2.17	-3.66e-04	0.0	-6.77e-04
2313	229	-0.50	-8.81	-2.75	1.01e-03	0.0	5.18e-05
2313	235	-6.46	-9.66	-2.36	1.08e-03	0.0	4.29e-04
2314	28	0.31	-1.02	-3.08	1.48e-04	0.0	-5.82e-06
2314	44	0.27	-1.51	-2.78	1.71e-04	0.0	-5.10e-06
2314	52	0.31	-0.24	-3.02	9.45e-05	0.0	-6.09e-06
2314	80	0.22	-0.69	-2.17	1.02e-04	0.0	-4.22e-06
2314	88	0.19	-1.02	-1.97	1.17e-04	0.0	-3.74e-06
2314	92	0.22	-0.17	-2.13	6.61e-05	0.0	-4.40e-06

2314	98	0.18	-0.14	-1.79	5.39e-05	0.0	-3.88e-06
2314	105	0.18	-0.30	-1.73	6.31e-05	0.0	-3.70e-06
2314	107	0.18	-0.13	-1.72	5.13e-05	0.0	-3.76e-06
2314	112	9.02	3.18	-2.07	-7.44e-05	0.0	-5.42e-04
2314	133	-0.31	-7.23	-2.52	6.76e-04	0.0	4.29e-05
2314	139	-4.79	-7.89	-2.23	6.42e-04	0.0	3.37e-04
2314	144	10.14	3.60	-2.11	-9.00e-05	0.0	-6.10e-04
2314	165	-0.38	-8.11	-2.62	7.54e-04	0.0	4.93e-05
2314	171	-5.44	-8.86	-2.29	7.16e-04	0.0	3.81e-04
2314	176	10.17	3.55	-2.11	-9.00e-05	0.0	-6.02e-04
2314	197	-0.39	-8.02	-2.61	7.43e-04	0.0	5.19e-05
2314	203	-5.54	-8.76	-2.28	7.07e-04	0.0	3.84e-04
2314	208	11.94	4.16	-2.18	-1.14e-04	0.0	-7.04e-04
2314	229	-0.51	-9.30	-2.75	8.56e-04	0.0	6.47e-05
2314	235	-6.64	-10.19	-2.37	8.14e-04	0.0	4.58e-04
2315	28	0.27	-0.86	-3.19	1.60e-04	0.0	-1.19e-05
2315	44	0.24	-1.31	-2.88	2.04e-04	0.0	-8.55e-06
2315	52	0.27	-0.16	-3.13	7.98e-05	0.0	-1.50e-05
2315	80	0.19	-0.58	-2.26	1.10e-04	0.0	-8.76e-06
2315	88	0.17	-0.88	-2.05	1.39e-04	0.0	-6.54e-06
2315	92	0.19	-0.11	-2.21	5.63e-05	0.0	-1.08e-05
2315	98	0.16	-0.09	-1.87	4.70e-05	0.0	-9.57e-06
2315	105	0.16	-0.24	-1.80	6.27e-05	0.0	-8.60e-06
2315	107	0.16	-0.09	-1.79	4.49e-05	0.0	-9.29e-06
2315	112	8.46	2.65	-2.27	-2.63e-04	0.0	-4.99e-04
2315	133	-0.30	-6.51	-2.69	8.06e-04	0.0	2.54e-05
2315	139	-4.51	-6.95	-2.32	8.50e-04	0.0	2.93e-04
2315	144	9.51	3.00	-2.33	-3.01e-04	0.0	-5.61e-04
2315	165	-0.36	-7.31	-2.80	9.00e-04	0.0	3.02e-05
2315	171	-5.12	-7.81	-2.38	9.51e-04	0.0	3.33e-04
2315	176	9.54	2.96	-2.33	-2.95e-04	0.0	-5.55e-04
2315	177	7.70	-1.47	-2.79	2.26e-04	0.0	-4.42e-04
2315	203	-5.21	-7.72	-2.37	9.39e-04	0.0	3.35e-04
2315	208	11.21	3.46	-2.42	-3.50e-04	0.0	-6.48e-04
2315	209	9.03	-1.69	-2.96	2.56e-04	0.0	-5.15e-04
2315	235	-6.25	-8.98	-2.45	1.09e-03	0.0	4.01e-04
2316	28	0.28	-0.94	-3.19	1.62e-04	0.0	-8.71e-06
2316	44	0.25	-1.41	-2.88	2.06e-04	0.0	-6.54e-06
2316	52	0.28	-0.20	-3.13	8.30e-05	0.0	-1.07e-05
2316	80	0.20	-0.63	-2.26	1.12e-04	0.0	-6.42e-06
2316	88	0.18	-0.95	-2.05	1.40e-04	0.0	-4.98e-06
2316	92	0.20	-0.14	-2.21	5.86e-05	0.0	-7.72e-06
2316	98	0.17	-0.11	-1.87	4.91e-05	0.0	-6.86e-06
2316	105	0.16	-0.27	-1.80	6.46e-05	0.0	-6.24e-06
2316	107	0.16	-0.11	-1.79	4.70e-05	0.0	-6.67e-06
2316	112	8.75	2.78	-2.27	-2.47e-04	0.0	-5.21e-04
2316	133	-0.31	-6.89	-2.69	7.72e-04	0.0	3.34e-05
2316	139	-4.67	-7.36	-2.32	8.16e-04	0.0	3.15e-04
2316	144	9.84	3.14	-2.33	-2.84e-04	0.0	-5.86e-04
2316	165	-0.37	-7.74	-2.80	8.63e-04	0.0	3.89e-05
2316	171	-5.29	-8.27	-2.38	9.12e-04	0.0	3.56e-04
2316	176	9.87	3.10	-2.33	-2.78e-04	0.0	-5.79e-04
2316	177	7.96	-1.58	-2.79	2.19e-04	0.0	-4.58e-04
2316	203	-5.39	-8.17	-2.37	9.00e-04	0.0	3.59e-04
2316	208	11.59	3.63	-2.42	-3.30e-04	0.0	-6.77e-04
2316	209	9.34	-1.81	-2.96	2.48e-04	0.0	-5.34e-04
2316	235	-6.46	-9.50	-2.46	1.04e-03	0.0	4.29e-04
2317	28	0.31	-1.02	-3.19	1.50e-04	0.0	-5.35e-06
2317	44	0.27	-1.51	-2.89	1.73e-04	0.0	-4.60e-06
2317	52	0.31	-0.24	-3.13	9.85e-05	0.0	-5.79e-06
2317	80	0.22	-0.69	-2.26	1.04e-04	0.0	-3.92e-06
2317	88	0.19	-1.02	-2.05	1.19e-04	0.0	-3.42e-06
2317	92	0.22	-0.17	-2.22	6.90e-05	0.0	-4.21e-06
2317	98	0.18	-0.14	-1.87	5.64e-05	0.0	-3.78e-06
2317	105	0.17	-0.31	-1.81	6.52e-05	0.0	-3.58e-06
2317	107	0.18	-0.13	-1.79	5.37e-05	0.0	-3.68e-06
2317	112	9.02	2.89	-2.27	-9.04e-05	0.0	-5.42e-04
2317	133	-0.31	-7.27	-2.69	7.00e-04	0.0	4.33e-05
2317	139	-4.79	-7.76	-2.32	6.73e-04	0.0	3.37e-04
2317	144	10.14	3.27	-2.34	-1.08e-04	0.0	-6.10e-04
2317	165	-0.38	-8.16	-2.80	7.81e-04	0.0	4.98e-05
2317	171	-5.44	-8.71	-2.39	7.50e-04	0.0	3.81e-04
2317	176	10.17	3.23	-2.33	-1.07e-04	0.0	-6.03e-04
2317	177	8.20	-1.69	-2.79	3.13e-04	0.0	-4.73e-04
2317	203	-5.54	-8.61	-2.37	7.40e-04	0.0	3.84e-04

2317	208	11.94	3.78	-2.43	-1.34e-04	0.0	-7.04e-04
2317	209	9.62	-1.94	-2.96	3.55e-04	0.0	-5.51e-04
2317	235	-6.64	-10.01	-2.46	8.52e-04	0.0	4.59e-04
2318	28	0.27	-0.87	-3.30	1.57e-04	0.0	-1.06e-05
2318	44	0.24	-1.31	-2.98	2.02e-04	0.0	-8.22e-06
2318	52	0.27	-0.16	-3.23	7.63e-05	0.0	-1.27e-05
2318	80	0.19	-0.58	-2.33	1.08e-04	0.0	-7.83e-06
2318	88	0.17	-0.88	-2.13	1.37e-04	0.0	-6.21e-06
2318	92	0.19	-0.11	-2.29	5.38e-05	0.0	-9.23e-06
2318	98	0.16	-0.09	-1.94	4.48e-05	0.0	-8.18e-06
2318	105	0.16	-0.25	-1.87	6.08e-05	0.0	-7.48e-06
2318	107	0.16	-0.09	-1.86	4.28e-05	0.0	-7.95e-06
2318	112	8.47	2.39	-2.47	-2.35e-04	0.0	-4.99e-04
2318	113	6.85	-1.58	-2.92	2.25e-04	0.0	-3.99e-04
2318	135	-4.79	-6.86	-2.35	8.25e-04	0.0	2.92e-04
2318	144	9.52	2.71	-2.55	-2.70e-04	0.0	-5.62e-04
2318	145	7.70	-1.77	-3.05	2.48e-04	0.0	-4.48e-04
2318	167	-5.43	-7.71	-2.41	9.22e-04	0.0	3.31e-04
2318	176	9.55	2.67	-2.55	-2.65e-04	0.0	-5.56e-04
2318	177	7.71	-1.74	-3.04	2.46e-04	0.0	-4.42e-04
2318	203	-5.22	-7.61	-2.45	9.11e-04	0.0	3.38e-04
2318	208	11.22	3.12	-2.67	-3.15e-04	0.0	-6.49e-04
2318	209	9.04	-2.01	-3.24	2.79e-04	0.0	-5.15e-04
2318	235	-6.25	-8.84	-2.54	1.05e-03	0.0	4.04e-04
2319	28	0.28	-0.94	-3.30	1.59e-04	0.0	-8.10e-06
2319	44	0.25	-1.41	-2.98	2.03e-04	0.0	-6.43e-06
2319	52	0.28	-0.20	-3.23	7.83e-05	0.0	-9.46e-06
2319	80	0.20	-0.64	-2.33	1.09e-04	0.0	-5.95e-06
2319	88	0.18	-0.95	-2.13	1.39e-04	0.0	-4.84e-06
2319	92	0.20	-0.14	-2.29	5.52e-05	0.0	-6.86e-06
2319	98	0.17	-0.12	-1.94	4.61e-05	0.0	-6.11e-06
2319	105	0.16	-0.28	-1.87	6.20e-05	0.0	-5.64e-06
2319	107	0.16	-0.11	-1.86	4.41e-05	0.0	-5.94e-06
2319	112	8.75	2.50	-2.47	-2.20e-04	0.0	-5.21e-04
2319	113	7.07	-1.69	-2.92	2.16e-04	0.0	-4.14e-04
2319	135	-4.96	-7.26	-2.35	7.85e-04	0.0	3.12e-04
2319	144	9.84	2.83	-2.55	-2.53e-04	0.0	-5.86e-04
2319	145	7.95	-1.89	-3.05	2.38e-04	0.0	-4.65e-04
2319	171	-5.29	-8.15	-2.47	8.79e-04	0.0	3.58e-04
2319	176	9.87	2.79	-2.55	-2.48e-04	0.0	-5.80e-04
2319	177	7.96	-1.86	-3.04	2.36e-04	0.0	-4.58e-04
2319	203	-5.39	-8.05	-2.45	8.67e-04	0.0	3.61e-04
2319	208	11.59	3.27	-2.67	-2.95e-04	0.0	-6.77e-04
2319	209	9.34	-2.14	-3.24	2.67e-04	0.0	-5.33e-04
2319	235	-6.46	-9.35	-2.54	1.00e-03	0.0	4.31e-04
2320	28	0.31	-1.02	-3.30	1.53e-04	0.0	-5.15e-06
2320	44	0.27	-1.52	-2.99	1.75e-04	0.0	-4.37e-06
2320	52	0.31	-0.24	-3.23	1.02e-04	0.0	-5.66e-06
2320	80	0.22	-0.69	-2.33	1.05e-04	0.0	-3.78e-06
2320	88	0.19	-1.02	-2.13	1.20e-04	0.0	-3.27e-06
2320	92	0.22	-0.17	-2.29	7.14e-05	0.0	-4.12e-06
2320	98	0.18	-0.14	-1.94	5.85e-05	0.0	-3.73e-06
2320	105	0.17	-0.31	-1.87	6.72e-05	0.0	-3.52e-06
2320	107	0.17	-0.13	-1.86	5.58e-05	0.0	-3.63e-06
2320	112	9.02	2.61	-2.47	-1.07e-04	0.0	-5.42e-04
2320	113	7.29	-1.79	-2.92	2.83e-04	0.0	-4.27e-04
2320	139	-4.79	-7.64	-2.40	6.97e-04	0.0	3.38e-04
2320	144	10.14	2.95	-2.55	-1.27e-04	0.0	-6.10e-04
2320	145	8.19	-2.00	-3.05	3.12e-04	0.0	-4.80e-04
2320	171	-5.44	-8.57	-2.47	7.77e-04	0.0	3.82e-04
2320	176	10.17	2.91	-2.55	-1.25e-04	0.0	-6.03e-04
2320	177	8.20	-1.97	-3.04	3.07e-04	0.0	-4.73e-04
2320	203	-5.54	-8.46	-2.45	7.66e-04	0.0	3.85e-04
2320	208	11.94	3.41	-2.67	-1.55e-04	0.0	-7.04e-04
2320	209	9.62	-2.27	-3.24	3.47e-04	0.0	-5.51e-04
2320	235	-6.64	-9.83	-2.54	8.81e-04	0.0	4.59e-04
2321	28	0.27	-0.87	-3.39	1.55e-04	0.0	-9.02e-06
2321	44	0.24	-1.32	-3.07	2.00e-04	0.0	-7.33e-06
2321	52	0.27	-0.17	-3.32	7.41e-05	0.0	-1.04e-05
2321	80	0.19	-0.59	-2.40	1.06e-04	0.0	-6.63e-06
2321	88	0.17	-0.88	-2.19	1.36e-04	0.0	-5.51e-06
2321	92	0.19	-0.12	-2.36	5.22e-05	0.0	-7.52e-06
2321	98	0.16	-0.10	-2.00	4.34e-05	0.0	-6.71e-06
2321	105	0.16	-0.25	-1.93	5.95e-05	0.0	-6.23e-06
2321	107	0.16	-0.09	-1.91	4.14e-05	0.0	-6.53e-06

2321	112	8.48	2.13	-2.66	-2.09e-04	0.0	-5.00e-04
2321	113	6.86	-1.83	-3.14	2.43e-04	0.0	-3.99e-04
2321	135	-4.80	-6.77	-2.42	8.03e-04	0.0	2.95e-04
2321	144	9.54	2.41	-2.75	-2.41e-04	0.0	-5.63e-04
2321	145	7.71	-2.04	-3.30	2.69e-04	0.0	-4.48e-04
2321	167	-5.43	-7.60	-2.48	8.98e-04	0.0	3.34e-04
2321	176	9.56	2.38	-2.75	-2.36e-04	0.0	-5.57e-04
2321	177	7.72	-2.01	-3.28	2.66e-04	0.0	-4.42e-04
2321	199	-5.46	-7.50	-2.47	8.85e-04	0.0	3.32e-04
2321	208	11.23	2.78	-2.90	-2.81e-04	0.0	-6.50e-04
2321	209	9.05	-2.32	-3.51	3.02e-04	0.0	-5.15e-04
2321	235	-6.26	-8.70	-2.62	1.02e-03	0.0	4.08e-04
2322	28	0.28	-0.95	-3.39	1.56e-04	0.0	-7.24e-06
2322	44	0.25	-1.42	-3.07	2.01e-04	0.0	-5.98e-06
2322	52	0.28	-0.21	-3.32	7.50e-05	0.0	-8.16e-06
2322	80	0.20	-0.64	-2.40	1.07e-04	0.0	-5.32e-06
2322	88	0.18	-0.95	-2.19	1.37e-04	0.0	-4.48e-06
2322	92	0.20	-0.15	-2.36	5.29e-05	0.0	-5.93e-06
2322	98	0.17	-0.12	-2.00	4.40e-05	0.0	-5.31e-06
2322	105	0.16	-0.28	-1.93	6.01e-05	0.0	-4.96e-06
2322	107	0.16	-0.12	-1.91	4.21e-05	0.0	-5.17e-06
2322	112	8.75	2.23	-2.66	-1.95e-04	0.0	-5.21e-04
2322	113	7.08	-1.94	-3.14	2.32e-04	0.0	-4.14e-04
2322	135	-4.96	-7.15	-2.42	7.60e-04	0.0	3.13e-04
2322	144	9.85	2.53	-2.75	-2.24e-04	0.0	-5.87e-04
2322	145	7.95	-2.17	-3.30	2.56e-04	0.0	-4.65e-04
2322	167	-5.61	-8.03	-2.48	8.50e-04	0.0	3.54e-04
2322	176	9.87	2.49	-2.75	-2.20e-04	0.0	-5.80e-04
2322	177	7.97	-2.14	-3.28	2.53e-04	0.0	-4.58e-04
2322	199	-5.64	-7.92	-2.47	8.37e-04	0.0	3.52e-04
2322	208	11.59	2.92	-2.90	-2.62e-04	0.0	-6.78e-04
2322	209	9.34	-2.47	-3.51	2.87e-04	0.0	-5.34e-04
2322	235	-6.46	-9.19	-2.62	9.68e-04	0.0	4.33e-04
2323	28	0.31	-1.03	-3.39	1.55e-04	0.0	-5.07e-06
2323	44	0.27	-1.52	-3.07	1.76e-04	0.0	-4.33e-06
2323	52	0.31	-0.25	-3.32	1.05e-04	0.0	-5.54e-06
2323	80	0.22	-0.69	-2.40	1.07e-04	0.0	-3.73e-06
2323	88	0.19	-1.02	-2.19	1.21e-04	0.0	-3.24e-06
2323	92	0.22	-0.17	-2.36	7.35e-05	0.0	-4.05e-06
2323	98	0.18	-0.14	-2.00	6.04e-05	0.0	-3.67e-06
2323	105	0.17	-0.31	-1.93	6.89e-05	0.0	-3.47e-06
2323	107	0.17	-0.14	-1.92	5.77e-05	0.0	-3.57e-06
2323	112	9.01	2.32	-2.66	-1.24e-04	0.0	-5.42e-04
2323	113	7.29	-2.06	-3.14	2.73e-04	0.0	-4.27e-04
2323	135	-5.10	-7.52	-2.42	7.15e-04	0.0	3.32e-04
2323	144	10.14	2.63	-2.76	-1.47e-04	0.0	-6.10e-04
2323	145	8.19	-2.29	-3.30	3.00e-04	0.0	-4.81e-04
2323	167	-5.77	-8.44	-2.48	7.97e-04	0.0	3.75e-04
2323	176	10.17	2.59	-2.75	-1.44e-04	0.0	-6.03e-04
2323	177	8.20	-2.26	-3.28	2.96e-04	0.0	-4.73e-04
2323	199	-5.80	-8.32	-2.47	7.85e-04	0.0	3.73e-04
2323	208	11.94	3.04	-2.90	-1.77e-04	0.0	-7.05e-04
2323	209	9.62	-2.61	-3.51	3.34e-04	0.0	-5.51e-04
2323	235	-6.64	-9.65	-2.62	9.04e-04	0.0	4.59e-04
2324	28	0.27	-0.88	-3.47	1.54e-04	0.0	-7.58e-06
2324	44	0.24	-1.32	-3.14	1.99e-04	0.0	-6.40e-06
2324	52	0.27	-0.18	-3.40	7.27e-05	0.0	-8.41e-06
2324	80	0.19	-0.59	-2.46	1.05e-04	0.0	-5.57e-06
2324	88	0.17	-0.89	-2.24	1.36e-04	0.0	-4.79e-06
2324	92	0.19	-0.12	-2.41	5.12e-05	0.0	-6.12e-06
2324	98	0.17	-0.10	-2.04	4.25e-05	0.0	-5.50e-06
2324	105	0.16	-0.25	-1.98	5.87e-05	0.0	-5.18e-06
2324	107	0.16	-0.10	-1.96	4.06e-05	0.0	-5.36e-06
2324	112	8.49	1.84	-2.84	-1.87e-04	0.0	-5.01e-04
2324	113	6.87	-2.11	-3.35	2.58e-04	0.0	-4.00e-04
2324	125	5.07	-6.72	-2.72	7.84e-04	0.0	-3.22e-04
2324	144	9.55	2.08	-2.95	-2.15e-04	0.0	-5.64e-04
2324	145	7.72	-2.36	-3.53	2.85e-04	0.0	-4.49e-04
2324	157	5.69	-7.54	-2.81	8.77e-04	0.0	-3.63e-04
2324	176	9.58	2.05	-2.95	-2.11e-04	0.0	-5.58e-04
2324	177	7.73	-2.32	-3.51	2.82e-04	0.0	-4.43e-04
2324	189	5.72	-7.43	-2.81	8.64e-04	0.0	-3.62e-04
2324	208	11.25	2.40	-3.12	-2.52e-04	0.0	-6.52e-04
2324	209	9.07	-2.68	-3.78	3.21e-04	0.0	-5.16e-04
2324	221	6.72	-8.62	-2.96	9.98e-04	0.0	-4.25e-04

2325	28	0.28	-0.95	-3.47	1.54e-04	0.0	-6.49e-06
2325	44	0.25	-1.42	-3.14	2.00e-04	0.0	-5.52e-06
2325	52	0.28	-0.21	-3.40	7.30e-05	0.0	-7.12e-06
2325	80	0.20	-0.64	-2.46	1.06e-04	0.0	-4.76e-06
2325	88	0.18	-0.95	-2.24	1.36e-04	0.0	-4.11e-06
2325	92	0.20	-0.15	-2.41	5.14e-05	0.0	-5.18e-06
2325	98	0.17	-0.12	-2.04	4.27e-05	0.0	-4.67e-06
2325	105	0.16	-0.28	-1.98	5.88e-05	0.0	-4.40e-06
2325	107	0.16	-0.12	-1.96	4.08e-05	0.0	-4.54e-06
2325	112	8.76	1.92	-2.84	-1.72e-04	0.0	-5.22e-04
2325	113	7.08	-2.23	-3.35	2.45e-04	0.0	-4.14e-04
2325	125	5.23	-7.09	-2.72	7.37e-04	0.0	-3.31e-04
2325	144	9.85	2.18	-2.95	-1.99e-04	0.0	-5.88e-04
2325	145	7.95	-2.50	-3.53	2.70e-04	0.0	-4.66e-04
2325	157	5.87	-7.96	-2.81	8.24e-04	0.0	-3.73e-04
2325	176	9.88	2.14	-2.95	-1.95e-04	0.0	-5.81e-04
2325	177	7.97	-2.46	-3.51	2.67e-04	0.0	-4.59e-04
2325	189	5.90	-7.84	-2.81	8.12e-04	0.0	-3.71e-04
2325	208	11.60	2.51	-3.12	-2.33e-04	0.0	-6.79e-04
2325	209	9.35	-2.84	-3.78	3.03e-04	0.0	-5.34e-04
2325	221	6.93	-9.10	-2.96	9.37e-04	0.0	-4.36e-04
2326	28	0.31	-1.03	-3.47	1.57e-04	0.0	-5.10e-06
2326	44	0.27	-1.52	-3.14	1.78e-04	0.0	-4.39e-06
2326	52	0.31	-0.25	-3.40	1.07e-04	0.0	-5.52e-06
2326	80	0.22	-0.70	-2.46	1.09e-04	0.0	-3.75e-06
2326	88	0.19	-1.02	-2.24	1.23e-04	0.0	-3.28e-06
2326	92	0.22	-0.17	-2.41	7.53e-05	0.0	-4.02e-06
2326	98	0.18	-0.14	-2.04	6.22e-05	0.0	-3.65e-06
2326	105	0.17	-0.31	-1.98	7.05e-05	0.0	-3.46e-06
2326	107	0.17	-0.14	-1.96	5.94e-05	0.0	-3.56e-06
2326	112	9.01	2.00	-2.84	-1.50e-04	0.0	-5.42e-04
2326	113	7.29	-2.35	-3.35	2.54e-04	0.0	-4.27e-04
2326	125	5.39	-7.44	-2.72	7.36e-04	0.0	-3.39e-04
2326	144	10.14	2.27	-2.95	-1.76e-04	0.0	-6.11e-04
2326	145	8.19	-2.63	-3.53	2.78e-04	0.0	-4.81e-04
2326	157	6.05	-8.35	-2.81	8.21e-04	0.0	-3.82e-04
2326	176	10.16	2.23	-2.95	-1.71e-04	0.0	-6.03e-04
2326	177	8.20	-2.59	-3.51	2.76e-04	0.0	-4.73e-04
2326	189	6.08	-8.23	-2.81	8.08e-04	0.0	-3.80e-04
2326	208	11.93	2.62	-3.12	-2.09e-04	0.0	-7.05e-04
2326	209	9.62	-2.99	-3.78	3.11e-04	0.0	-5.51e-04
2326	221	7.13	-9.55	-2.96	9.30e-04	0.0	-4.46e-04
2327	28	0.27	-0.88	-3.54	1.53e-04	0.0	-6.61e-06
2327	44	0.24	-1.32	-3.20	1.99e-04	0.0	-5.73e-06
2327	52	0.27	-0.18	-3.47	7.21e-05	0.0	-7.15e-06
2327	80	0.19	-0.59	-2.51	1.05e-04	0.0	-4.86e-06
2327	88	0.18	-0.89	-2.29	1.35e-04	0.0	-4.28e-06
2327	92	0.20	-0.13	-2.46	5.07e-05	0.0	-5.22e-06
2327	98	0.17	-0.10	-2.08	4.21e-05	0.0	-4.72e-06
2327	105	0.16	-0.26	-2.01	5.82e-05	0.0	-4.49e-06
2327	107	0.16	-0.10	-2.00	4.02e-05	0.0	-4.61e-06
2327	112	8.50	1.61	-3.01	-2.00e-04	0.0	-5.02e-04
2327	113	6.88	-2.33	-3.55	2.37e-04	0.0	-4.01e-04
2327	129	4.79	-6.84	-2.75	7.89e-04	0.0	-3.29e-04
2327	144	9.57	1.82	-3.14	-2.30e-04	0.0	-5.65e-04
2327	145	7.73	-2.61	-3.75	2.62e-04	0.0	-4.51e-04
2327	161	5.40	-7.69	-2.85	8.82e-04	0.0	-3.71e-04
2327	176	9.59	1.79	-3.13	-2.25e-04	0.0	-5.59e-04
2327	177	7.74	-2.57	-3.74	2.59e-04	0.0	-4.44e-04
2327	193	5.49	-7.58	-2.85	8.69e-04	0.0	-3.75e-04
2327	208	11.27	2.09	-3.33	-2.68e-04	0.0	-6.53e-04
2327	209	9.08	-2.97	-4.03	2.94e-04	0.0	-5.18e-04
2327	225	6.52	-8.80	-3.02	1.00e-03	0.0	-4.46e-04
2328	28	0.28	-0.96	-3.54	1.53e-04	0.0	-6.09e-06
2328	44	0.25	-1.42	-3.20	1.99e-04	0.0	-5.25e-06
2328	52	0.28	-0.22	-3.47	7.19e-05	0.0	-6.58e-06
2328	80	0.20	-0.65	-2.51	1.05e-04	0.0	-4.47e-06
2328	88	0.18	-0.96	-2.29	1.35e-04	0.0	-3.90e-06
2328	92	0.20	-0.15	-2.46	5.06e-05	0.0	-4.79e-06
2328	98	0.17	-0.13	-2.08	4.20e-05	0.0	-4.33e-06
2328	105	0.16	-0.28	-2.01	5.82e-05	0.0	-4.10e-06
2328	107	0.16	-0.12	-2.00	4.01e-05	0.0	-4.21e-06
2328	112	8.76	1.68	-3.01	-1.83e-04	0.0	-5.23e-04
2328	113	7.08	-2.46	-3.55	2.24e-04	0.0	-4.15e-04
2328	129	4.94	-7.22	-2.75	7.35e-04	0.0	-3.37e-04

2328	144	9.85	1.90	-3.14	-2.10e-04	0.0	-5.88e-04
2328	145	7.96	-2.75	-3.75	2.47e-04	0.0	-4.66e-04
2328	161	5.55	-8.10	-2.85	8.22e-04	0.0	-3.80e-04
2328	176	9.88	1.87	-3.13	-2.06e-04	0.0	-5.81e-04
2328	177	7.97	-2.71	-3.74	2.44e-04	0.0	-4.59e-04
2328	193	5.65	-7.99	-2.85	8.10e-04	0.0	-3.83e-04
2328	208	11.60	2.20	-3.33	-2.45e-04	0.0	-6.80e-04
2328	209	9.35	-3.13	-4.03	2.78e-04	0.0	-5.35e-04
2328	225	6.71	-9.28	-3.02	9.35e-04	0.0	-4.55e-04
2329	28	0.31	-1.03	-3.54	1.59e-04	0.0	-5.09e-06
2329	44	0.27	-1.52	-3.21	1.80e-04	0.0	-4.38e-06
2329	52	0.31	-0.25	-3.47	1.09e-04	0.0	-5.51e-06
2329	80	0.22	-0.70	-2.51	1.10e-04	0.0	-3.74e-06
2329	88	0.19	-1.02	-2.29	1.24e-04	0.0	-3.26e-06
2329	92	0.22	-0.18	-2.46	7.68e-05	0.0	-4.02e-06
2329	98	0.18	-0.15	-2.08	6.35e-05	0.0	-3.64e-06
2329	105	0.17	-0.31	-2.01	7.18e-05	0.0	-3.45e-06
2329	107	0.17	-0.14	-2.00	6.08e-05	0.0	-3.55e-06
2329	112	9.01	1.75	-3.01	-1.69e-04	0.0	-5.42e-04
2329	113	7.28	-2.59	-3.55	2.43e-04	0.0	-4.27e-04
2329	129	5.08	-7.56	-2.75	7.74e-04	0.0	-3.45e-04
2329	144	10.14	1.98	-3.14	-1.97e-04	0.0	-6.11e-04
2329	145	8.19	-2.89	-3.75	2.65e-04	0.0	-4.81e-04
2329	161	5.71	-8.49	-2.85	8.63e-04	0.0	-3.89e-04
2329	176	10.16	1.95	-3.13	-1.92e-04	0.0	-6.03e-04
2329	177	8.20	-2.85	-3.74	2.63e-04	0.0	-4.73e-04
2329	193	5.81	-8.38	-2.86	8.50e-04	0.0	-3.91e-04
2329	208	11.93	2.29	-3.33	-2.32e-04	0.0	-7.05e-04
2329	209	9.61	-3.29	-4.03	2.96e-04	0.0	-5.51e-04
2329	225	6.90	-9.72	-3.02	9.79e-04	0.0	-4.65e-04
2330	28	0.27	-0.88	-3.59	1.53e-04	0.0	-6.21e-06
2330	44	0.25	-1.33	-3.25	1.99e-04	0.0	-5.45e-06
2330	52	0.28	-0.18	-3.52	7.20e-05	0.0	-6.62e-06
2330	80	0.20	-0.60	-2.54	1.05e-04	0.0	-4.56e-06
2330	88	0.18	-0.89	-2.32	1.35e-04	0.0	-4.05e-06
2330	92	0.20	-0.13	-2.50	5.06e-05	0.0	-4.83e-06
2330	98	0.17	-0.11	-2.11	4.20e-05	0.0	-4.39e-06
2330	105	0.16	-0.26	-2.04	5.81e-05	0.0	-4.19e-06
2330	107	0.16	-0.10	-2.03	4.01e-05	0.0	-4.28e-06
2330	112	8.52	1.35	-3.18	-1.30e-04	0.0	-5.03e-04
2330	113	6.89	-2.58	-3.76	2.97e-04	0.0	-4.01e-04
2330	129	4.80	-6.98	-2.85	7.87e-04	0.0	-3.32e-04
2330	144	9.58	1.53	-3.33	-1.51e-04	0.0	-5.66e-04
2330	145	7.74	-2.89	-3.98	3.29e-04	0.0	-4.52e-04
2330	161	5.41	-7.84	-2.96	8.80e-04	0.0	-3.74e-04
2330	176	9.61	1.50	-3.32	-1.49e-04	0.0	-5.60e-04
2330	177	7.76	-2.84	-3.97	3.23e-04	0.0	-4.45e-04
2330	193	5.50	-7.74	-2.97	8.68e-04	0.0	-3.77e-04
2330	208	11.28	1.76	-3.55	-1.80e-04	0.0	-6.54e-04
2330	209	9.10	-3.29	-4.30	3.68e-04	0.0	-5.19e-04
2330	225	6.53	-8.99	-3.15	1.00e-03	0.0	-4.49e-04
2331	28	0.28	-0.96	-3.59	1.53e-04	0.0	-6.27e-06
2331	44	0.25	-1.43	-3.25	1.98e-04	0.0	-5.37e-06
2331	52	0.28	-0.22	-3.52	7.13e-05	0.0	-6.73e-06
2331	80	0.20	-0.65	-2.54	1.04e-04	0.0	-4.57e-06
2331	88	0.18	-0.96	-2.32	1.35e-04	0.0	-3.98e-06
2331	92	0.20	-0.15	-2.50	5.01e-05	0.0	-4.88e-06
2331	98	0.17	-0.13	-2.11	4.16e-05	0.0	-4.40e-06
2331	105	0.16	-0.29	-2.04	5.77e-05	0.0	-4.16e-06
2331	107	0.16	-0.12	-2.03	3.96e-05	0.0	-4.27e-06
2331	112	8.76	1.41	-3.17	-1.19e-04	0.0	-5.23e-04
2331	113	7.08	-2.72	-3.76	2.76e-04	0.0	-4.15e-04
2331	129	4.94	-7.35	-2.85	7.28e-04	0.0	-3.37e-04
2331	144	9.85	1.60	-3.32	-1.38e-04	0.0	-5.89e-04
2331	145	7.96	-3.04	-3.98	3.05e-04	0.0	-4.67e-04
2331	161	5.56	-8.25	-2.95	8.14e-04	0.0	-3.80e-04
2331	176	9.88	1.57	-3.32	-1.36e-04	0.0	-5.82e-04
2331	177	7.97	-2.99	-3.96	3.00e-04	0.0	-4.60e-04
2331	193	5.65	-8.15	-2.96	8.02e-04	0.0	-3.83e-04
2331	208	11.60	1.84	-3.54	-1.65e-04	0.0	-6.80e-04
2331	209	9.35	-3.46	-4.29	3.41e-04	0.0	-5.36e-04
2331	225	6.71	-9.46	-3.14	9.27e-04	0.0	-4.55e-04
2332	28	0.31	-1.04	-3.59	1.61e-04	0.0	-4.94e-06
2332	44	0.27	-1.53	-3.25	1.81e-04	0.0	-4.21e-06
2332	52	0.31	-0.25	-3.52	1.11e-04	0.0	-5.40e-06

2332	80	0.22	-0.70	-2.54	1.11e-04	0.0	-3.63e-06
2332	88	0.19	-1.03	-2.32	1.25e-04	0.0	-3.15e-06
2332	92	0.22	-0.18	-2.50	7.82e-05	0.0	-3.94e-06
2332	98	0.18	-0.15	-2.11	6.48e-05	0.0	-3.57e-06
2332	105	0.17	-0.32	-2.04	7.31e-05	0.0	-3.38e-06
2332	107	0.17	-0.14	-2.03	6.20e-05	0.0	-3.48e-06
2332	112	9.01	1.46	-3.17	-1.92e-04	0.0	-5.42e-04
2332	113	7.28	-2.85	-3.75	2.27e-04	0.0	-4.27e-04
2332	129	5.08	-7.69	-2.85	8.12e-04	0.0	-3.44e-04
2332	144	10.13	1.66	-3.31	-2.24e-04	0.0	-6.10e-04
2332	145	8.18	-3.18	-3.97	2.48e-04	0.0	-4.81e-04
2332	161	5.71	-8.64	-2.95	9.05e-04	0.0	-3.88e-04
2332	176	10.16	1.64	-3.31	-2.17e-04	0.0	-6.03e-04
2332	177	8.20	-3.14	-3.95	2.46e-04	0.0	-4.73e-04
2332	193	5.81	-8.53	-2.96	8.92e-04	0.0	-3.91e-04
2332	208	11.93	1.92	-3.53	-2.62e-04	0.0	-7.05e-04
2332	209	9.61	-3.62	-4.28	2.77e-04	0.0	-5.51e-04
2332	225	6.89	-9.90	-3.14	1.03e-03	0.0	-4.65e-04
2333	28	0.28	-0.89	-3.62	1.54e-04	0.0	-6.25e-06
2333	44	0.25	-1.33	-3.27	1.99e-04	0.0	-5.48e-06
2333	52	0.28	-0.19	-3.55	7.26e-05	0.0	-6.63e-06
2333	80	0.20	-0.60	-2.56	1.05e-04	0.0	-4.58e-06
2333	88	0.18	-0.89	-2.33	1.35e-04	0.0	-4.07e-06
2333	92	0.20	-0.13	-2.52	5.10e-05	0.0	-4.83e-06
2333	98	0.18	-0.11	-2.12	4.23e-05	0.0	-4.39e-06
2333	105	0.17	-0.26	-2.05	5.84e-05	0.0	-4.19e-06
2333	107	0.17	-0.10	-2.04	4.03e-05	0.0	-4.27e-06
2333	112	8.53	1.09	-3.31	-1.03e-04	0.0	-5.04e-04
2333	113	6.90	-2.83	-3.93	3.09e-04	0.0	-4.02e-04
2333	129	4.82	-7.12	-2.93	7.76e-04	0.0	-3.32e-04
2333	144	9.60	1.24	-3.48	-1.21e-04	0.0	-5.67e-04
2333	145	7.76	-3.17	-4.17	3.42e-04	0.0	-4.52e-04
2333	161	5.42	-8.00	-3.04	8.68e-04	0.0	-3.75e-04
2333	176	9.62	1.21	-3.47	-1.20e-04	0.0	-5.60e-04
2333	177	7.77	-3.12	-4.15	3.35e-04	0.0	-4.46e-04
2333	193	5.52	-7.90	-3.05	8.56e-04	0.0	-3.78e-04
2333	208	11.30	1.42	-3.72	-1.46e-04	0.0	-6.55e-04
2333	209	9.11	-3.61	-4.51	3.83e-04	0.0	-5.19e-04
2333	225	6.54	-9.19	-3.25	9.90e-04	0.0	-4.50e-04
2334	28	0.28	-0.96	-3.62	1.52e-04	0.0	-6.93e-06
2334	44	0.25	-1.43	-3.27	1.98e-04	0.0	-5.87e-06
2334	52	0.28	-0.22	-3.55	7.07e-05	0.0	-7.43e-06
2334	80	0.20	-0.65	-2.56	1.04e-04	0.0	-5.03e-06
2334	88	0.18	-0.96	-2.33	1.34e-04	0.0	-4.32e-06
2334	92	0.20	-0.16	-2.52	4.97e-05	0.0	-5.37e-06
2334	98	0.17	-0.13	-2.12	4.12e-05	0.0	-4.81e-06
2334	105	0.16	-0.29	-2.05	5.73e-05	0.0	-4.53e-06
2334	107	0.16	-0.13	-2.04	3.92e-05	0.0	-4.64e-06
2334	112	8.76	1.14	-3.30	-9.52e-05	0.0	-5.24e-04
2334	113	7.08	-2.97	-3.91	2.87e-04	0.0	-4.15e-04
2334	129	4.94	-7.48	-2.92	7.19e-04	0.0	-3.37e-04
2334	144	9.86	1.29	-3.46	-1.12e-04	0.0	-5.90e-04
2334	145	7.96	-3.33	-4.14	3.17e-04	0.0	-4.67e-04
2334	161	5.56	-8.40	-3.03	8.04e-04	0.0	-3.80e-04
2334	176	9.88	1.27	-3.45	-1.11e-04	0.0	-5.83e-04
2334	177	7.98	-3.28	-4.13	3.11e-04	0.0	-4.60e-04
2334	193	5.66	-8.30	-3.04	7.93e-04	0.0	-3.83e-04
2334	208	11.61	1.48	-3.70	-1.35e-04	0.0	-6.81e-04
2334	209	9.35	-3.79	-4.49	3.55e-04	0.0	-5.36e-04
2334	225	6.71	-9.65	-3.24	9.17e-04	0.0	-4.55e-04
2335	28	0.31	-1.04	-3.62	1.63e-04	0.0	-4.78e-06
2335	44	0.27	-1.53	-3.28	1.83e-04	0.0	-4.06e-06
2335	52	0.31	-0.26	-3.55	1.13e-04	0.0	-5.24e-06
2335	80	0.21	-0.70	-2.56	1.13e-04	0.0	-3.52e-06
2335	88	0.19	-1.03	-2.33	1.26e-04	0.0	-3.04e-06
2335	92	0.22	-0.18	-2.52	7.96e-05	0.0	-3.82e-06
2335	98	0.18	-0.15	-2.13	6.61e-05	0.0	-3.47e-06
2335	105	0.17	-0.32	-2.05	7.44e-05	0.0	-3.27e-06
2335	107	0.17	-0.14	-2.04	6.33e-05	0.0	-3.37e-06
2335	112	9.01	1.18	-3.30	-2.15e-04	0.0	-5.42e-04
2335	113	7.28	-3.11	-3.91	2.13e-04	0.0	-4.27e-04
2335	129	5.07	-7.82	-2.92	8.47e-04	0.0	-3.44e-04
2335	144	10.13	1.35	-3.45	-2.49e-04	0.0	-6.10e-04
2335	145	8.18	-3.48	-4.14	2.32e-04	0.0	-4.80e-04
2335	161	5.71	-8.78	-3.03	9.45e-04	0.0	-3.88e-04

2335	176	10.16	1.32	-3.45	-2.42e-04	0.0	-6.03e-04
2335	177	8.19	-3.43	-4.13	2.31e-04	0.0	-4.73e-04
2335	193	5.81	-8.68	-3.04	9.31e-04	0.0	-3.91e-04
2335	208	11.92	1.55	-3.70	-2.90e-04	0.0	-7.05e-04
2335	209	9.61	-3.96	-4.48	2.59e-04	0.0	-5.51e-04
2335	225	6.89	-10.08	-3.24	1.07e-03	0.0	-4.65e-04
2336	19	-7.08e-03	2.91	-1.21	-1.98e-03	0.0	-1.09e-03
2336	28	-3.44e-03	-1.23	-3.60	7.06e-04	0.0	3.31e-04
2336	49	-0.01	-0.03	-2.11	3.54e-05	0.0	2.18e-06
2336	72	-7.82e-03	1.93	-1.38	-1.31e-03	0.0	-7.23e-04
2336	80	-3.89e-03	-0.82	-2.56	4.73e-04	0.0	2.21e-04
2336	89	-0.01	-0.02	-1.56	2.60e-05	0.0	1.59e-06
2336	97	-0.01	-0.02	-1.56	2.60e-05	0.0	1.59e-06
2336	98	-7.30e-03	-0.03	-2.12	3.82e-05	0.0	2.40e-06
2336	102	-9.61e-03	0.37	-1.53	-2.41e-04	0.0	-1.43e-04
2336	106	-0.01	-0.02	-1.56	2.60e-05	0.0	1.59e-06
2336	107	-7.70e-03	-0.03	-2.04	3.64e-05	0.0	2.29e-06
2336	111	-2.92	-1.12	-2.98	5.04e-04	0.0	4.07e-04
2336	127	-2.07	-5.32	-3.90	1.17e-03	0.0	2.51e-04
2336	129	-0.76	-5.66	-3.67	1.09e-03	0.0	2.92e-05
2336	143	-3.28	-1.25	-3.10	5.63e-04	0.0	4.58e-04
2336	159	-2.33	-5.98	-4.13	1.31e-03	0.0	2.83e-04
2336	161	-0.86	-6.37	-3.87	1.23e-03	0.0	3.24e-05
2336	175	-3.11	-1.24	-3.06	5.46e-04	0.0	4.48e-04
2336	191	-2.22	-5.90	-4.09	1.29e-03	0.0	2.75e-04
2336	193	-0.87	-6.28	-3.86	1.21e-03	0.0	2.68e-05
2336	207	-3.55	-1.44	-3.21	6.24e-04	0.0	5.20e-04
2336	223	-2.55	-6.86	-4.43	1.50e-03	0.0	3.21e-04
2336	225	-1.01	-7.31	-4.16	1.41e-03	0.0	2.75e-05
2337	19	-7.90e-03	2.16	-1.15	-1.28e-03	-7.35e-06	-1.25e-03
2337	28	-3.80e-03	-1.00	-3.52	4.93e-04	2.22e-06	3.78e-04
2337	49	-0.01	-0.03	-2.02	3.46e-05	0.0	1.67e-06
2337	72	-8.47e-03	1.43	-1.31	-8.41e-04	-4.90e-06	-8.30e-04
2337	80	-4.13e-03	-0.67	-2.49	3.31e-04	1.48e-06	2.52e-04
2337	89	-0.01	-0.02	-1.50	2.55e-05	0.0	1.21e-06
2337	97	-0.01	-0.02	-1.50	2.55e-05	0.0	1.21e-06
2337	98	-7.71e-03	-0.03	-2.05	3.71e-05	0.0	1.91e-06
2337	102	-9.92e-03	0.27	-1.46	-1.48e-04	0.0	-1.65e-04
2337	106	-0.01	-0.02	-1.50	2.55e-05	0.0	1.21e-06
2337	107	-8.08e-03	-0.03	-1.97	3.54e-05	0.0	1.81e-06
2337	111	-2.96	-0.90	-3.06	5.46e-04	-2.41e-06	4.04e-04
2337	127	-2.10	-5.24	-3.92	1.16e-03	3.73e-06	2.56e-04
2337	129	-0.77	-5.72	-3.63	1.05e-03	5.88e-06	3.63e-05
2337	143	-3.33	-1.00	-3.19	6.10e-04	-2.71e-06	4.55e-04
2337	159	-2.36	-5.90	-4.16	1.30e-03	4.18e-06	2.88e-04
2337	161	-0.87	-6.43	-3.83	1.18e-03	6.59e-06	4.02e-05
2337	175	-3.15	-1.00	-3.14	5.89e-04	-2.44e-06	4.44e-04
2337	191	-2.25	-5.82	-4.12	1.28e-03	4.02e-06	2.79e-04
2337	193	-0.88	-6.35	-3.82	1.17e-03	6.22e-06	3.26e-05
2337	207	-3.60	-1.16	-3.31	6.72e-04	-2.74e-06	5.16e-04
2337	223	-2.59	-6.77	-4.47	1.48e-03	4.66e-06	3.24e-04
2337	225	-1.02	-7.40	-4.13	1.36e-03	7.15e-06	3.32e-05
2338	4	0.44	0.53	-2.51	3.18e-04	2.64e-04	-1.31e-05
2338	28	0.43	-1.42	-2.86	4.25e-04	2.63e-04	-2.70e-05
2338	44	0.37	-2.01	-2.71	4.21e-04	2.41e-04	-2.81e-05
2338	68	0.30	0.34	-1.81	2.31e-04	1.92e-04	-9.89e-06
2338	80	0.30	-0.96	-2.04	3.02e-04	1.91e-04	-1.92e-05
2338	88	0.26	-1.35	-1.94	2.99e-04	1.76e-04	-1.99e-05
2338	98	0.24	-0.25	-1.67	2.37e-04	1.73e-04	-1.41e-05
2338	105	0.22	-0.45	-1.65	2.40e-04	1.68e-04	-1.47e-05
2338	107	0.22	-0.24	-1.62	2.28e-04	1.68e-04	-1.37e-05
2338	108	8.33	7.38	-0.35	-1.66e-04	6.91e-05	-4.92e-04
2338	127	-5.48	-10.01	-3.45	8.11e-04	2.45e-04	-7.62e-05
2338	139	2.20	-11.61	-3.40	8.48e-04	1.05e-04	3.76e-04
2338	140	9.34	8.34	-0.19	-2.16e-04	5.67e-05	-5.52e-04
2338	159	-6.19	-11.22	-3.68	8.84e-04	2.54e-04	-8.46e-05
2338	171	2.45	-13.04	-3.63	9.26e-04	9.72e-05	4.26e-04
2338	172	8.91	8.17	-0.19	-2.11e-04	6.19e-05	-5.42e-04
2338	195	-5.23	-11.10	-3.65	8.75e-04	1.96e-04	-7.23e-05
2338	203	2.47	-12.99	-3.62	9.22e-04	9.96e-05	4.28e-04
2338	204	10.19	9.55	0.05	-2.84e-04	4.60e-05	-6.28e-04
2338	227	-6.04	-12.88	-3.98	9.82e-04	2.00e-04	-7.95e-05
2338	235	2.83	-15.19	-3.97	1.04e-03	8.79e-05	5.12e-04
2339	4	0.44	0.80	-2.48	1.09e-03	0.0	-2.97e-04
2339	28	0.43	-1.89	-2.83	-3.77e-04	0.0	1.30e-04

2339	44	0.37	-2.62	-2.69	-7.02e-04	0.0	2.27e-04
2339	68	0.30	0.51	-1.79	7.33e-04	0.0	-1.99e-04
2339	80	0.30	-1.29	-2.02	-2.47e-04	0.0	8.59e-05
2339	88	0.26	-1.78	-1.93	-4.63e-04	0.0	1.50e-04
2339	98	0.24	-0.41	-1.66	5.85e-05	0.0	-9.13e-06
2339	105	0.22	-0.66	-1.64	-4.88e-05	0.0	2.30e-05
2339	107	0.22	-0.40	-1.60	5.63e-05	0.0	-8.98e-06
2339	108	8.29	-2.53	-1.84	-3.03e-05	0.0	-4.58e-04
2339	129	-1.81	-11.75	-3.65	2.15e-04	0.0	-3.60e-04
2339	140	9.29	-2.80	-1.87	-4.11e-05	0.0	-5.15e-04
2339	161	-2.07	-13.18	-3.90	2.35e-04	0.0	-4.06e-04
2339	172	8.87	-2.73	-1.85	-3.68e-05	0.0	-5.08e-04
2339	193	-2.09	-13.13	-3.88	2.34e-04	0.0	-4.05e-04
2339	204	10.13	-3.11	-1.89	-5.04e-05	0.0	-5.90e-04
2339	225	-2.46	-15.32	-4.27	2.63e-04	0.0	-4.79e-04
2340	4	0.43	0.51	-2.66	3.33e-04	2.18e-04	-4.77e-05
2340	28	0.42	-1.43	-3.00	4.39e-04	2.17e-04	-1.22e-05
2340	44	0.36	-2.02	-2.84	4.34e-04	1.96e-04	-2.05e-06
2340	68	0.30	0.33	-1.91	2.42e-04	1.57e-04	-3.31e-05
2340	80	0.29	-0.97	-2.14	3.12e-04	1.56e-04	-9.40e-06
2340	88	0.25	-1.36	-2.04	3.09e-04	1.42e-04	-2.64e-06
2340	98	0.23	-0.26	-1.77	2.47e-04	1.39e-04	-1.52e-05
2340	105	0.22	-0.46	-1.75	2.49e-04	1.34e-04	-1.20e-05
2340	107	0.22	-0.25	-1.71	2.38e-04	1.34e-04	-1.47e-05
2340	108	8.33	7.05	-0.47	-1.43e-04	1.98e-04	-5.07e-04
2340	127	-5.48	-9.94	-3.56	8.18e-04	1.51e-04	-7.03e-05
2340	139	2.19	-11.44	-3.47	8.51e-04	7.80e-05	3.94e-04
2340	140	9.34	7.97	-0.31	-1.91e-04	2.06e-04	-5.69e-04
2340	159	-6.19	-11.15	-3.79	8.91e-04	1.53e-04	-7.78e-05
2340	171	2.45	-12.85	-3.69	9.29e-04	7.09e-05	4.47e-04
2340	172	8.91	7.81	-0.32	-1.86e-04	2.04e-04	-5.58e-04
2340	191	-5.93	-10.90	-3.75	8.78e-04	1.53e-04	-8.00e-05
2340	203	2.47	-12.80	-3.68	9.25e-04	7.18e-05	4.49e-04
2340	204	10.19	9.12	-0.08	-2.57e-04	2.14e-04	-6.47e-04
2340	227	-6.04	-12.79	-4.09	9.88e-04	1.53e-04	-7.07e-05
2340	235	2.83	-14.95	-4.02	1.04e-03	6.05e-05	5.37e-04
2341	4	0.43	0.63	-2.31	7.52e-04	3.08e-06	-2.94e-04
2341	28	0.43	-1.82	-2.66	-2.12e-04	-1.94e-06	1.30e-04
2341	44	0.37	-2.49	-2.53	-4.24e-04	-3.03e-06	2.25e-04
2341	68	0.30	0.39	-1.66	5.06e-04	2.04e-06	-1.97e-04
2341	80	0.30	-1.24	-1.89	-1.37e-04	-1.31e-06	8.57e-05
2341	88	0.26	-1.69	-1.81	-2.78e-04	-2.04e-06	1.49e-04
2341	98	0.23	-0.42	-1.55	5.66e-05	0.0	-8.62e-06
2341	105	0.22	-0.65	-1.53	-1.30e-05	0.0	2.32e-05
2341	107	0.22	-0.40	-1.49	5.46e-05	0.0	-8.50e-06
2341	108	8.28	-2.83	-1.78	-1.10e-04	2.04e-06	-4.49e-04
2341	129	-1.82	-11.86	-3.58	3.32e-04	-1.69e-06	-3.55e-04
2341	140	9.29	-3.14	-1.81	-1.31e-04	2.32e-06	-5.05e-04
2341	161	-2.08	-13.31	-3.84	3.66e-04	-1.88e-06	-4.00e-04
2341	172	8.86	-3.06	-1.79	-1.24e-04	2.17e-06	-4.98e-04
2341	193	-2.09	-13.26	-3.82	3.63e-04	-1.91e-06	-3.98e-04
2341	204	10.13	-3.49	-1.83	-1.50e-04	2.49e-06	-5.79e-04
2341	225	-2.47	-15.48	-4.22	4.15e-04	-2.20e-06	-4.71e-04
2342	4	0.41	0.25	-2.64	4.25e-04	-2.29e-04	1.63e-05
2342	28	0.40	-1.70	-2.99	2.22e-04	-2.25e-04	-1.84e-05
2342	44	0.35	-2.26	-2.84	1.61e-04	-2.04e-04	-2.53e-05
2342	68	0.28	0.14	-1.90	2.97e-04	-1.66e-04	1.01e-05
2342	80	0.28	-1.16	-2.14	1.62e-04	-1.63e-04	-1.31e-05
2342	88	0.24	-1.54	-2.03	1.21e-04	-1.49e-04	-1.77e-05
2342	98	0.22	-0.44	-1.77	1.74e-04	-1.46e-04	-6.19e-06
2342	105	0.20	-0.64	-1.74	1.57e-04	-1.42e-04	-8.49e-06
2342	107	0.20	-0.42	-1.71	1.68e-04	-1.42e-04	-6.20e-06
2342	108	8.32	-2.24	-1.90	-1.03e-04	-2.48e-04	-4.93e-04
2342	129	-1.84	-11.67	-3.69	6.43e-04	-6.46e-05	-4.13e-04
2342	140	9.33	-2.47	-1.92	-1.37e-04	-2.61e-04	-5.54e-04
2342	161	-2.10	-13.09	-3.94	7.02e-04	-5.50e-05	-4.66e-04
2342	172	8.90	-2.40	-1.91	-1.27e-04	-2.55e-04	-5.43e-04
2342	193	-2.12	-13.03	-3.92	6.96e-04	-5.73e-05	-4.67e-04
2342	204	10.18	-2.72	-1.93	-1.72e-04	-2.72e-04	-6.31e-04
2342	225	-2.49	-15.20	-4.30	7.84e-04	-4.29e-05	-5.54e-04
2343	4	0.40	0.25	-2.48	4.20e-04	-2.61e-04	-1.48e-05
2343	28	0.40	-1.70	-2.83	1.79e-04	-2.57e-04	-5.33e-06
2343	44	0.35	-2.27	-2.69	1.12e-04	-2.72e-04	-2.26e-06
2343	68	0.28	0.14	-1.79	2.93e-04	-1.90e-04	-1.08e-05
2343	80	0.28	-1.17	-2.02	1.32e-04	-1.87e-04	-4.46e-06

2343	88	0.24	-1.54	-1.93	8.74e-05	-1.74e-04	-2.41e-06
2343	98	0.22	-0.44	-1.66	1.55e-04	-1.71e-04	-7.25e-06
2343	105	0.20	-0.64	-1.64	1.35e-04	-1.66e-04	-6.24e-06
2343	107	0.20	-0.43	-1.60	1.49e-04	-1.67e-04	-7.22e-06
2343	108	8.31	-2.55	-1.84	-1.20e-04	-2.69e-04	-4.87e-04
2343	129	-1.84	-11.86	-3.65	6.08e-04	-9.30e-05	-3.96e-04
2343	140	9.33	-2.82	-1.87	-1.54e-04	-2.82e-04	-5.47e-04
2343	161	-2.10	-13.30	-3.90	6.65e-04	-8.39e-05	-4.46e-04
2343	172	8.90	-2.74	-1.85	-1.44e-04	-2.76e-04	-5.37e-04
2343	193	-2.12	-13.24	-3.88	6.59e-04	-8.64e-05	-4.47e-04
2343	204	10.18	-3.12	-1.89	-1.89e-04	-2.92e-04	-6.24e-04
2343	225	-2.49	-15.45	-4.27	7.44e-04	-7.28e-05	-5.31e-04
2344	28	0.39	-0.73	-3.33	2.04e-04	0.0	3.61e-05
2344	44	0.36	-1.17	-2.98	2.36e-04	0.0	2.64e-05
2344	52	0.39	-0.05	-3.26	1.30e-04	0.0	4.20e-05
2344	80	0.28	-0.49	-2.34	1.40e-04	0.0	2.53e-05
2344	88	0.27	-0.78	-2.10	1.62e-04	0.0	1.89e-05
2344	92	0.29	-0.04	-2.29	9.14e-05	0.0	2.93e-05
2344	98	0.25	-0.03	-1.90	7.59e-05	0.0	2.40e-05
2344	101	0.25	-0.03	-1.85	7.37e-05	0.0	2.33e-05
2344	105	0.25	-0.18	-1.82	8.85e-05	0.0	2.14e-05
2344	107	0.25	-0.03	-1.81	7.21e-05	0.0	2.27e-05
2344	112	8.55	0.45	-2.31	-9.49e-06	0.0	-4.45e-04
2344	129	4.86	-6.83	-2.50	9.01e-04	0.0	9.02e-05
2344	133	-0.20	-6.43	-2.81	8.40e-04	0.0	1.60e-04
2344	144	9.61	0.50	-2.37	-1.94e-05	0.0	-5.05e-04
2344	161	5.46	-7.68	-2.59	1.00e-03	0.0	9.79e-05
2344	165	-0.26	-7.22	-2.93	9.36e-04	0.0	1.78e-04
2344	176	9.63	0.49	-2.37	-1.92e-05	0.0	-5.00e-04
2344	193	5.56	-7.61	-2.60	9.93e-04	0.0	8.81e-05
2344	197	-0.28	-7.10	-2.92	9.19e-04	0.0	1.81e-04
2344	208	11.30	0.56	-2.48	-3.40e-05	0.0	-5.90e-04
2344	225	6.58	-8.87	-2.74	1.15e-03	0.0	9.25e-05
2344	229	-0.38	-8.23	-3.10	1.06e-03	0.0	2.11e-04
2345	28	0.41	-0.72	-3.23	1.96e-04	0.0	2.34e-05
2345	44	0.38	-1.16	-2.87	2.30e-04	0.0	1.72e-05
2345	52	0.41	-0.04	-3.15	1.22e-04	0.0	2.79e-05
2345	80	0.30	-0.48	-2.25	1.35e-04	0.0	1.65e-05
2345	88	0.28	-0.78	-2.02	1.58e-04	0.0	1.23e-05
2345	92	0.30	-0.03	-2.20	8.57e-05	0.0	1.95e-05
2345	98	0.26	-0.03	-1.82	7.09e-05	0.0	1.56e-05
2345	105	0.26	-0.18	-1.74	8.39e-05	0.0	1.39e-05
2345	107	0.26	-0.03	-1.73	6.75e-05	0.0	1.49e-05
2345	112	8.57	0.30	-2.05	-7.96e-06	0.0	-4.55e-04
2345	129	4.88	-6.81	-2.43	9.82e-04	0.0	1.02e-04
2345	133	-0.19	-6.38	-2.62	9.04e-04	0.0	1.73e-04
2345	144	9.63	0.34	-2.09	-1.71e-05	0.0	-5.15e-04
2345	161	5.48	-7.67	-2.52	1.10e-03	0.0	1.12e-04
2345	165	-0.25	-7.17	-2.74	1.01e-03	0.0	1.93e-04
2345	176	9.65	0.32	-2.09	-1.78e-05	0.0	-5.10e-04
2345	193	5.57	-7.59	-2.52	1.08e-03	0.0	1.02e-04
2345	197	-0.27	-7.04	-2.72	9.90e-04	0.0	1.96e-04
2345	208	11.32	0.36	-2.16	-3.20e-05	0.0	-6.00e-04
2345	225	6.59	-8.86	-2.66	1.25e-03	0.0	1.09e-04
2345	229	-0.37	-8.17	-2.88	1.14e-03	0.0	2.30e-04
2346	18	0.11	0.92	-1.58	0.0	1.92e-04	3.23e-05
2346	28	0.12	-0.49	-1.97	0.0	2.05e-04	3.27e-05
2346	52	0.13	0.04	-1.92	0.0	2.06e-04	3.24e-05
2346	75	0.08	0.61	-1.11	0.0	1.41e-04	2.41e-05
2346	80	0.09	-0.33	-1.37	0.0	1.50e-04	2.44e-05
2346	92	0.09	0.03	-1.34	0.0	1.50e-04	2.42e-05
2346	98	0.08	0.02	-1.10	0.0	1.33e-04	2.23e-05
2346	103	0.08	0.14	-1.03	0.0	1.30e-04	2.23e-05
2346	107	0.08	0.02	-1.04	0.0	1.30e-04	2.21e-05
2346	112	6.55	0.07	-1.13	0.0	1.51e-03	-3.86e-04
2346	130	-3.52	5.28	-0.68	0.0	-6.40e-04	2.83e-04
2346	133	-0.24	-4.93	-1.45	0.0	2.82e-05	5.57e-05
2346	144	7.37	0.07	-1.14	0.0	1.68e-03	-4.38e-04
2346	162	-3.99	5.94	-0.64	0.0	-7.38e-04	3.17e-04
2346	165	-0.29	-5.54	-1.51	0.0	1.54e-05	6.04e-05
2346	176	7.41	0.06	-1.14	0.0	1.67e-03	-4.33e-04
2346	194	-4.08	5.89	-0.64	0.0	-7.40e-04	3.19e-04
2346	197	-0.31	-5.44	-1.50	0.0	1.60e-05	6.24e-05
2346	208	8.71	0.05	-1.16	0.0	1.94e-03	-5.11e-04
2346	226	-4.88	6.88	-0.57	0.0	-9.00e-04	3.77e-04

2346	229	-0.39	-6.32	-1.57	0.0	-3.09e-06	7.19e-05
2347	28	9.30e-03	-0.33	-0.20	0.0	4.72e-06	0.0
2347	44	7.33e-03	-0.51	-0.18	0.0	3.82e-06	0.0
2347	52	9.99e-03	-0.06	-0.19	0.0	5.03e-06	0.0
2347	80	6.46e-03	-0.22	-0.14	0.0	3.31e-06	0.0
2347	88	5.15e-03	-0.34	-0.13	0.0	2.71e-06	0.0
2347	92	6.92e-03	-0.04	-0.13	0.0	3.52e-06	0.0
2347	98	5.67e-03	-0.03	-0.11	0.0	2.92e-06	0.0
2347	105	5.18e-03	-0.09	-0.11	0.0	2.70e-06	0.0
2347	107	5.33e-03	-0.03	-0.11	0.0	2.77e-06	0.0
2347	112	3.60	-1.61	-0.14	0.0	1.67e-03	-2.95e-04
2347	129	2.00	-3.53	-0.27	0.0	9.32e-04	-1.77e-04
2347	144	4.06	-1.81	-0.15	0.0	1.88e-03	-3.33e-04
2347	161	2.26	-3.98	-0.29	0.0	1.05e-03	-2.00e-04
2347	176	4.08	-1.82	-0.15	0.0	1.89e-03	-3.34e-04
2347	193	2.32	-3.99	-0.28	0.0	1.08e-03	-2.05e-04
2347	208	4.81	-2.14	-0.15	0.0	2.23e-03	-3.93e-04
2347	225	2.77	-4.70	-0.32	0.0	1.29e-03	-2.46e-04
2348	18	0.22	0.98	-1.83	0.0	1.71e-04	7.12e-05
2348	28	0.24	-0.56	-2.29	0.0	1.83e-04	7.28e-05
2348	52	0.24	0.03	-2.23	0.0	1.84e-04	7.26e-05
2348	75	0.16	0.65	-1.29	0.0	1.25e-04	5.31e-05
2348	80	0.17	-0.37	-1.59	0.0	1.33e-04	5.41e-05
2348	92	0.17	0.02	-1.55	0.0	1.34e-04	5.40e-05
2348	98	0.15	0.01	-1.27	0.0	1.18e-04	4.96e-05
2348	103	0.15	0.14	-1.19	0.0	1.15e-04	4.92e-05
2348	107	0.15	0.01	-1.21	0.0	1.15e-04	4.91e-05
2348	112	7.32	0.10	-1.32	0.0	1.38e-03	-3.43e-04
2348	130	-3.83	5.77	-0.73	0.0	-5.93e-04	3.15e-04
2348	133	-0.22	-5.38	-1.75	0.0	2.25e-05	9.67e-05
2348	144	8.23	0.11	-1.34	0.0	1.54e-03	-3.92e-04
2348	162	-4.35	6.49	-0.67	0.0	-6.83e-04	3.49e-04
2348	165	-0.27	-6.05	-1.82	0.0	1.09e-05	1.03e-04
2348	176	8.26	0.10	-1.34	0.0	1.53e-03	-3.79e-04
2348	194	-4.44	6.44	-0.67	0.0	-6.85e-04	3.46e-04
2348	197	-0.29	-5.94	-1.81	0.0	1.13e-05	1.04e-04
2348	208	9.70	0.09	-1.37	0.0	1.78e-03	-4.47e-04
2348	226	-5.33	7.52	-0.58	0.0	-8.32e-04	4.00e-04
2348	229	-0.38	-6.90	-1.90	0.0	-6.17e-06	1.16e-04
2349	28	0.33	-0.63	-2.55	0.0	1.28e-04	1.17e-04
2349	42	0.25	-1.06	-1.48	0.0	9.46e-05	1.03e-04
2349	52	0.34	9.24e-04	-2.49	0.0	1.29e-04	1.17e-04
2349	80	0.24	-0.42	-1.78	0.0	9.28e-05	8.68e-05
2349	86	0.19	-0.71	-1.06	0.0	7.03e-05	7.77e-05
2349	92	0.24	-3.07e-04	-1.74	0.0	9.31e-05	8.68e-05
2349	98	0.22	-1.50e-03	-1.42	0.0	8.15e-05	7.96e-05
2349	104	0.18	-0.15	-0.92	0.0	6.58e-05	7.32e-05
2349	106	0.18	-5.17e-03	-0.90	0.0	6.59e-05	7.32e-05
2349	107	0.21	-2.02e-03	-1.35	0.0	7.93e-05	7.87e-05
2349	112	8.00	0.13	-1.49	0.0	1.14e-03	3.77e-04
2349	129	4.54	-6.26	-1.92	0.0	6.73e-04	-2.04e-04
2349	133	-0.20	-5.85	-2.00	0.0	2.25e-06	3.52e-04
2349	144	8.99	0.14	-1.51	0.0	1.28e-03	4.15e-04
2349	161	5.10	-7.05	-1.99	0.0	7.48e-04	-2.39e-04
2349	165	-0.26	-6.58	-2.08	0.0	-7.44e-06	3.87e-04
2349	176	9.02	0.13	-1.51	0.0	1.27e-03	3.94e-04
2349	193	5.20	-6.99	-1.99	0.0	7.50e-04	-2.29e-04
2349	197	-0.28	-6.46	-2.07	0.0	-7.14e-06	3.74e-04
2349	208	10.59	0.13	-1.55	0.0	1.47e-03	4.38e-04
2349	225	6.16	-8.16	-2.10	0.0	8.73e-04	-2.81e-04
2349	229	-0.37	-7.49	-2.19	0.0	-2.17e-05	4.20e-04
2350	28	0.42	-0.72	-2.84	0.0	-7.34e-06	2.19e-04
2350	44	0.39	-1.16	-2.51	0.0	-1.07e-05	2.09e-04
2350	52	0.43	-0.04	-2.76	0.0	-6.85e-06	2.18e-04
2350	80	0.31	-0.48	-1.98	0.0	-6.86e-06	1.61e-04
2350	88	0.29	-0.78	-1.76	0.0	-9.07e-06	1.55e-04
2350	92	0.31	-0.03	-1.93	0.0	-6.53e-06	1.61e-04
2350	98	0.27	-0.03	-1.58	0.0	-8.18e-06	1.47e-04
2350	105	0.27	-0.18	-1.52	0.0	-8.95e-06	1.45e-04
2350	107	0.27	-0.03	-1.50	0.0	-8.84e-06	1.45e-04
2350	112	8.58	0.14	-1.68	0.0	6.08e-04	4.72e-04
2350	129	4.88	-6.80	-2.15	0.0	3.35e-04	4.48e-05
2350	133	-0.18	-6.34	-2.25	0.0	-5.17e-05	4.60e-04
2350	144	9.63	0.16	-1.70	0.0	6.86e-04	5.13e-04
2350	161	5.48	-7.65	-2.23	0.0	3.79e-04	3.19e-05

2350	165	-0.24	-7.12	-2.34	0.0	-5.71e-05	4.99e-04
2350	176	9.66	0.15	-1.71	0.0	6.83e-04	4.83e-04
2350	193	5.58	-7.58	-2.22	0.0	3.80e-04	3.27e-05
2350	197	-0.26	-6.99	-2.33	0.0	-5.72e-05	4.80e-04
2350	208	11.33	0.16	-1.75	0.0	8.02e-04	5.25e-04
2350	225	6.60	-8.85	-2.35	0.0	4.52e-04	1.52e-05
2350	229	-0.37	-8.11	-2.47	0.0	-6.55e-05	5.29e-04
2351	28	0.29	-0.83	-3.34	2.07e-04	0.0	4.04e-05
2351	44	0.27	-1.29	-2.98	2.38e-04	0.0	2.95e-05
2351	52	0.30	-0.12	-3.26	1.34e-04	0.0	4.61e-05
2351	80	0.21	-0.56	-2.34	1.43e-04	0.0	2.82e-05
2351	88	0.19	-0.86	-2.10	1.63e-04	0.0	2.09e-05
2351	92	0.21	-0.08	-2.29	9.36e-05	0.0	3.20e-05
2351	98	0.19	-0.07	-1.90	7.78e-05	0.0	2.65e-05
2351	105	0.18	-0.23	-1.82	9.02e-05	0.0	2.37e-05
2351	107	0.18	-0.07	-1.81	7.39e-05	0.0	2.49e-05
2351	112	8.54	0.45	-2.31	-6.54e-06	0.0	-4.60e-04
2351	129	4.83	-7.28	-2.51	8.95e-04	0.0	5.77e-05
2351	133	-0.27	-6.85	-2.81	8.36e-04	0.0	1.16e-04
2351	144	9.61	0.52	-2.37	-1.63e-05	0.0	-5.21e-04
2351	161	5.43	-8.18	-2.60	9.98e-04	0.0	6.14e-05
2351	165	-0.33	-7.69	-2.93	9.31e-04	0.0	1.29e-04
2351	176	9.64	0.50	-2.38	-1.59e-05	0.0	-5.15e-04
2351	193	5.53	-8.10	-2.60	9.87e-04	0.0	5.43e-05
2351	197	-0.35	-7.55	-2.92	9.15e-04	0.0	1.32e-04
2351	208	11.31	0.58	-2.48	-3.04e-05	0.0	-6.07e-04
2351	225	6.56	-9.44	-2.74	1.14e-03	0.0	5.46e-05
2351	229	-0.45	-8.76	-3.10	1.05e-03	0.0	1.54e-04
2352	28	0.29	-0.81	-3.24	2.01e-04	0.0	3.47e-05
2352	44	0.27	-1.28	-2.88	2.34e-04	0.0	2.49e-05
2352	52	0.30	-0.10	-3.17	1.28e-04	0.0	4.04e-05
2352	80	0.21	-0.55	-2.27	1.38e-04	0.0	2.43e-05
2352	88	0.20	-0.85	-2.03	1.60e-04	0.0	1.77e-05
2352	92	0.21	-0.07	-2.22	8.96e-05	0.0	2.81e-05
2352	98	0.19	-0.06	-1.83	7.42e-05	0.0	2.31e-05
2352	105	0.18	-0.22	-1.75	8.69e-05	0.0	2.05e-05
2352	107	0.18	-0.06	-1.73	7.06e-05	0.0	2.18e-05
2352	112	8.55	0.31	-2.05	-3.50e-06	0.0	-4.65e-04
2352	129	4.83	-7.30	-2.43	9.75e-04	0.0	6.36e-05
2352	133	-0.27	-6.83	-2.62	8.99e-04	0.0	1.29e-04
2352	144	9.61	0.35	-2.09	-1.25e-05	0.0	-5.27e-04
2352	161	5.43	-8.21	-2.52	1.09e-03	0.0	6.83e-05
2352	165	-0.33	-7.67	-2.73	1.00e-03	0.0	1.43e-04
2352	176	9.64	0.33	-2.09	-1.30e-05	0.0	-5.22e-04
2352	193	5.53	-8.13	-2.52	1.08e-03	0.0	6.01e-05
2352	197	-0.35	-7.54	-2.72	9.84e-04	0.0	1.47e-04
2352	208	11.32	0.38	-2.16	-2.68e-05	0.0	-6.14e-04
2352	225	6.56	-9.48	-2.66	1.24e-03	0.0	6.11e-05
2352	229	-0.45	-8.74	-2.88	1.13e-03	0.0	1.72e-04
2353	28	0.27	-0.93	-3.34	2.16e-04	0.0	5.24e-05
2353	44	0.24	-1.41	-2.98	2.45e-04	0.0	3.91e-05
2353	52	0.27	-0.19	-3.26	1.43e-04	0.0	5.75e-05
2353	80	0.19	-0.63	-2.34	1.49e-04	0.0	3.64e-05
2353	88	0.17	-0.95	-2.10	1.68e-04	0.0	2.75e-05
2353	92	0.19	-0.13	-2.29	1.00e-04	0.0	3.97e-05
2353	98	0.16	-0.11	-1.90	8.36e-05	0.0	3.34e-05
2353	105	0.16	-0.27	-1.82	9.54e-05	0.0	3.01e-05
2353	107	0.16	-0.11	-1.81	7.93e-05	0.0	3.12e-05
2353	112	8.77	0.45	-2.31	1.34e-06	0.0	-4.75e-04
2353	129	4.94	-7.72	-2.51	8.84e-04	0.0	-2.91e-04
2353	133	-0.31	-7.26	-2.81	8.29e-04	0.0	7.94e-05
2353	144	9.87	0.52	-2.37	-8.15e-06	0.0	-5.39e-04
2353	161	5.56	-8.67	-2.60	9.85e-04	0.0	-3.32e-04
2353	165	-0.37	-8.15	-2.94	9.22e-04	0.0	8.60e-05
2353	176	9.89	0.50	-2.38	-7.45e-06	0.0	-5.31e-04
2353	193	5.66	-8.59	-2.60	9.74e-04	0.0	-3.33e-04
2353	197	-0.39	-8.01	-2.92	9.06e-04	0.0	8.86e-05
2353	208	11.62	0.59	-2.48	-2.12e-05	0.0	-6.26e-04
2353	225	6.72	-10.00	-2.75	1.12e-03	0.0	-4.03e-04
2353	229	-0.50	-9.28	-3.10	1.04e-03	0.0	1.02e-04
2354	28	0.26	-0.91	-3.26	2.28e-04	0.0	8.29e-05
2354	44	0.23	-1.39	-2.90	2.54e-04	0.0	6.22e-05
2354	52	0.26	-0.17	-3.18	1.57e-04	0.0	9.02e-05
2354	80	0.19	-0.62	-2.28	1.57e-04	0.0	5.75e-05
2354	88	0.17	-0.94	-2.04	1.75e-04	0.0	4.38e-05

2354	92	0.19	-0.12	-2.23	1.10e-04	0.0	6.24e-05
2354	98	0.16	-0.10	-1.84	9.16e-05	0.0	5.27e-05
2354	105	0.16	-0.26	-1.76	1.03e-04	0.0	4.76e-05
2354	107	0.16	-0.09	-1.74	8.69e-05	0.0	4.92e-05
2354	112	8.77	0.31	-2.05	1.75e-05	0.0	-4.54e-04
2354	129	4.94	-7.78	-2.43	9.57e-04	0.0	-2.91e-04
2354	133	-0.31	-7.27	-2.62	8.88e-04	0.0	8.85e-05
2354	144	9.87	0.35	-2.09	9.08e-06	0.0	-5.18e-04
2354	161	5.56	-8.75	-2.52	1.07e-03	0.0	-3.35e-04
2354	165	-0.38	-8.17	-2.73	9.88e-04	0.0	9.38e-05
2354	176	9.90	0.34	-2.09	9.23e-06	0.0	-5.09e-04
2354	193	5.66	-8.66	-2.52	1.05e-03	0.0	-3.37e-04
2354	197	-0.39	-8.02	-2.72	9.71e-04	0.0	9.52e-05
2354	208	11.62	0.40	-2.15	-3.15e-06	0.0	-6.02e-04
2354	225	6.72	-10.10	-2.66	1.22e-03	0.0	-4.09e-04
2354	229	-0.50	-9.30	-2.87	1.11e-03	0.0	1.06e-04
2355	28	0.30	-1.04	-3.33	2.23e-04	0.0	5.09e-06
2355	44	0.26	-1.53	-2.98	2.50e-04	0.0	3.71e-06
2355	52	0.31	-0.26	-3.26	1.51e-04	0.0	5.26e-06
2355	80	0.21	-0.71	-2.34	1.54e-04	0.0	3.37e-06
2355	88	0.19	-1.03	-2.10	1.72e-04	0.0	2.46e-06
2355	92	0.21	-0.19	-2.29	1.06e-04	0.0	3.48e-06
2355	98	0.18	-0.16	-1.90	8.79e-05	0.0	2.71e-06
2355	105	0.17	-0.32	-1.82	9.94e-05	0.0	2.40e-06
2355	107	0.17	-0.15	-1.81	8.33e-05	0.0	2.43e-06
2355	112	9.00	0.45	-2.31	6.06e-06	0.0	-5.33e-04
2355	129	5.07	-8.16	-2.51	8.84e-04	0.0	-3.34e-04
2355	133	-0.32	-7.67	-2.81	8.29e-04	0.0	5.11e-05
2355	144	10.12	0.52	-2.37	-3.35e-06	0.0	-6.01e-04
2355	161	5.71	-9.16	-2.60	9.84e-04	0.0	-3.78e-04
2355	165	-0.38	-8.61	-2.94	9.22e-04	0.0	5.78e-05
2355	176	10.15	0.51	-2.38	-2.58e-06	0.0	-5.94e-04
2355	193	5.81	-9.07	-2.60	9.73e-04	0.0	-3.80e-04
2355	197	-0.40	-8.46	-2.92	9.06e-04	0.0	6.06e-05
2355	208	11.92	0.60	-2.48	-1.61e-05	0.0	-6.95e-04
2355	225	6.89	-10.56	-2.74	1.12e-03	0.0	-4.54e-04
2355	229	-0.51	-9.79	-3.10	1.04e-03	0.0	7.39e-05
2356	28	0.30	-1.05	-3.25	2.56e-04	0.0	5.03e-06
2356	44	0.27	-1.53	-2.89	2.75e-04	0.0	3.71e-06
2356	52	0.31	-0.27	-3.17	1.87e-04	0.0	5.15e-06
2356	80	0.21	-0.71	-2.27	1.76e-04	0.0	3.33e-06
2356	88	0.19	-1.03	-2.03	1.89e-04	0.0	2.45e-06
2356	92	0.21	-0.19	-2.22	1.31e-04	0.0	3.42e-06
2356	98	0.18	-0.16	-1.83	1.09e-04	0.0	2.65e-06
2356	105	0.17	-0.32	-1.76	1.18e-04	0.0	2.35e-06
2356	107	0.17	-0.15	-1.74	1.03e-04	0.0	2.38e-06
2356	112	9.00	0.28	-2.04	4.04e-05	0.0	-5.34e-04
2356	129	5.07	-8.24	-2.43	9.33e-04	0.0	-3.33e-04
2356	133	-0.32	-7.70	-2.62	8.74e-04	0.0	5.22e-05
2356	144	10.13	0.33	-2.08	3.29e-05	0.0	-6.02e-04
2356	161	5.71	-9.25	-2.52	1.04e-03	0.0	-3.76e-04
2356	165	-0.38	-8.64	-2.73	9.70e-04	0.0	5.91e-05
2356	176	10.15	0.32	-2.09	3.38e-05	0.0	-5.94e-04
2356	193	5.81	-9.17	-2.52	1.03e-03	0.0	-3.79e-04
2356	197	-0.40	-8.49	-2.71	9.53e-04	0.0	6.20e-05
2356	208	11.92	0.38	-2.15	2.33e-05	0.0	-6.96e-04
2356	225	6.89	-10.67	-2.66	1.18e-03	0.0	-4.52e-04
2356	229	-0.51	-9.83	-2.87	1.09e-03	0.0	7.56e-05
2357	28	0.29	-0.81	-3.00	0.0	-8.25e-05	-1.13e-05
2357	44	0.27	-1.27	-2.65	0.0	-8.32e-05	-5.90e-06
2357	52	0.30	-0.09	-2.92	0.0	-8.21e-05	-1.09e-05
2357	80	0.21	-0.54	-2.09	0.0	-6.27e-05	-5.90e-06
2357	88	0.19	-0.85	-1.86	0.0	-6.31e-05	-2.29e-06
2357	92	0.21	-0.07	-2.04	0.0	-6.25e-05	-5.62e-06
2357	98	0.19	-0.06	-1.67	0.0	-5.95e-05	-1.24e-06
2357	105	0.18	-0.21	-1.60	0.0	-5.97e-05	0.0
2357	107	0.18	-0.05	-1.58	0.0	-5.96e-05	0.0
2357	112	8.55	0.15	-1.78	0.0	3.42e-04	-5.41e-04
2357	129	4.83	-7.31	-2.27	0.0	1.63e-04	-3.42e-04
2357	133	-0.27	-6.80	-2.38	0.0	-8.61e-05	4.10e-05
2357	144	9.61	0.17	-1.81	0.0	3.93e-04	-6.09e-04
2357	161	5.43	-8.22	-2.35	0.0	1.92e-04	-3.86e-04
2357	165	-0.33	-7.64	-2.48	0.0	-8.95e-05	4.68e-05
2357	176	9.64	0.16	-1.81	0.0	3.92e-04	-6.03e-04
2357	193	5.53	-8.15	-2.35	0.0	1.94e-04	-3.91e-04

2357	197	-0.35	-7.50	-2.47	0.0	-8.97e-05	4.94e-05
2357	208	11.31	0.18	-1.86	0.0	4.70e-04	-7.07e-04
2357	225	6.56	-9.50	-2.48	0.0	2.41e-04	-4.66e-04
2357	229	-0.45	-8.70	-2.61	0.0	-9.50e-05	6.12e-05
2358	28	0.24	-0.86	-3.17	0.0	-8.40e-06	-9.22e-05
2358	44	0.22	-1.36	-2.81	0.0	-1.89e-05	-7.74e-05
2358	52	0.24	-0.11	-3.10	0.0	-9.23e-06	-9.05e-05
2358	80	0.17	-0.58	-2.21	0.0	-1.15e-05	-6.24e-05
2358	88	0.16	-0.91	-1.97	0.0	-1.85e-05	-5.25e-05
2358	92	0.18	-0.08	-2.16	0.0	-1.21e-05	-6.13e-05
2358	98	0.15	-0.07	-1.77	0.0	-1.92e-05	-4.68e-05
2358	105	0.15	-0.23	-1.70	0.0	-2.14e-05	-4.37e-05
2358	107	0.15	-0.07	-1.68	0.0	-2.16e-05	-4.33e-05
2358	112	8.78	0.18	-1.89	0.0	4.38e-04	-5.76e-04
2358	129	4.94	-7.86	-2.39	0.0	2.28e-04	-3.88e-04
2358	133	-0.32	-7.29	-2.51	0.0	-5.66e-05	1.01e-06
2358	144	9.88	0.21	-1.91	0.0	4.97e-04	-6.43e-04
2358	161	5.57	-8.84	-2.48	0.0	2.60e-04	-4.33e-04
2358	165	-0.39	-8.19	-2.61	0.0	-6.10e-05	7.11e-06
2358	176	9.90	0.20	-1.92	0.0	4.95e-04	-6.35e-04
2358	193	5.66	-8.75	-2.47	0.0	2.62e-04	-4.36e-04
2358	197	-0.40	-8.04	-2.60	0.0	-6.09e-05	9.27e-06
2358	208	11.63	0.23	-1.96	0.0	5.84e-04	-7.35e-04
2358	225	6.72	-10.21	-2.61	0.0	3.16e-04	-5.11e-04
2358	229	-0.51	-9.32	-2.75	0.0	-6.76e-05	2.15e-05
2359	28	0.30	-1.05	-3.43	3.18e-04	1.48e-04	-5.38e-06
2359	44	0.27	-1.53	-3.04	3.05e-04	1.34e-04	-4.00e-06
2359	52	0.31	-0.27	-3.35	2.65e-04	1.50e-04	-6.46e-06
2359	80	0.21	-0.71	-2.39	2.19e-04	1.08e-04	-3.85e-06
2359	88	0.19	-1.03	-2.13	2.10e-04	9.89e-05	-2.94e-06
2359	92	0.21	-0.19	-2.34	1.84e-04	1.09e-04	-4.58e-06
2359	98	0.18	-0.16	-1.92	1.58e-04	1.00e-04	-3.77e-06
2359	105	0.17	-0.32	-1.83	1.59e-04	9.69e-05	-3.39e-06
2359	107	0.17	-0.15	-1.82	1.47e-04	9.73e-05	-3.63e-06
2359	112	9.01	0.11	-2.02	1.45e-04	8.32e-04	-5.59e-04
2359	129	5.07	-8.32	-2.54	7.15e-04	-1.06e-05	-3.53e-04
2359	133	-0.32	-7.74	-2.67	7.00e-04	5.60e-05	4.20e-05
2359	144	10.13	0.14	-2.05	1.45e-04	9.24e-04	-6.29e-04
2359	161	5.71	-9.34	-2.64	7.86e-04	-2.36e-05	-3.98e-04
2359	165	-0.38	-8.68	-2.77	7.69e-04	5.08e-05	4.83e-05
2359	176	10.16	0.13	-2.05	1.48e-04	9.18e-04	-6.23e-04
2359	193	5.81	-9.26	-2.63	7.81e-04	-1.79e-05	-4.02e-04
2359	197	-0.40	-8.52	-2.76	7.58e-04	5.07e-05	5.13e-05
2359	208	11.93	0.16	-2.10	1.50e-04	1.06e-03	-7.29e-04
2359	225	6.89	-10.78	-2.78	8.88e-04	-3.15e-05	-4.79e-04
2359	229	-0.51	-9.87	-2.91	8.57e-04	4.26e-05	6.43e-05
2360	28	0.29	-0.87	-3.54	1.77e-04	0.0	4.01e-05
2360	44	0.26	-1.32	-3.20	2.16e-04	0.0	2.95e-05
2360	52	0.29	-0.16	-3.47	9.86e-05	0.0	4.56e-05
2360	80	0.21	-0.58	-2.50	1.21e-04	0.0	2.80e-05
2360	88	0.19	-0.88	-2.27	1.48e-04	0.0	2.09e-05
2360	92	0.21	-0.12	-2.46	6.91e-05	0.0	3.16e-05
2360	98	0.18	-0.10	-2.06	5.74e-05	0.0	2.62e-05
2360	105	0.18	-0.25	-1.99	7.20e-05	0.0	2.34e-05
2360	107	0.18	-0.09	-1.98	5.46e-05	0.0	2.46e-05
2360	112	8.54	0.88	-3.01	-6.12e-05	0.0	-4.61e-04
2360	113	6.91	-3.01	-3.58	3.35e-04	0.0	-3.42e-04
2360	129	4.82	-7.18	-2.77	7.76e-04	0.0	-2.69e-04
2360	144	9.60	0.99	-3.14	-7.55e-05	0.0	-5.23e-04
2360	145	7.76	-3.38	-3.78	3.70e-04	0.0	-3.89e-04
2360	161	5.42	-8.06	-2.88	8.66e-04	0.0	-3.06e-04
2360	176	9.63	0.97	-3.14	-7.44e-05	0.0	-5.17e-04
2360	177	7.78	-3.32	-3.77	3.63e-04	0.0	-3.81e-04
2360	193	5.52	-7.97	-2.89	8.55e-04	0.0	-3.06e-04
2360	208	11.30	1.14	-3.34	-9.54e-05	0.0	-6.09e-04
2360	209	9.12	-3.85	-4.07	4.13e-04	0.0	-4.49e-04
2360	225	6.55	-9.27	-3.06	9.87e-04	0.0	-3.68e-04
2361	28	0.34	-0.78	-3.54	1.77e-04	0.0	5.70e-05
2361	44	0.31	-1.21	-3.20	2.17e-04	0.0	4.20e-05
2361	52	0.34	-0.12	-3.47	9.91e-05	0.0	6.48e-05
2361	80	0.24	-0.52	-2.50	1.22e-04	0.0	3.98e-05
2361	88	0.23	-0.81	-2.27	1.48e-04	0.0	2.98e-05
2361	92	0.25	-0.08	-2.46	6.95e-05	0.0	4.50e-05
2361	98	0.22	-0.07	-2.06	5.78e-05	0.0	3.74e-05
2361	105	0.21	-0.21	-1.99	7.23e-05	0.0	3.34e-05

2361	107	0.21	-0.07	-1.98	5.49e-05	0.0	3.52e-05
2361	112	8.42	0.84	-3.00	-6.12e-05	0.0	-4.27e-04
2361	113	6.82	-2.84	-3.57	3.36e-04	0.0	-3.15e-04
2361	129	4.78	-6.79	-2.77	7.79e-04	0.0	-2.44e-04
2361	144	9.47	0.96	-3.13	-7.56e-05	0.0	-4.85e-04
2361	145	7.66	-3.19	-3.77	3.72e-04	0.0	-3.59e-04
2361	161	5.37	-7.63	-2.87	8.69e-04	0.0	-2.80e-04
2361	176	9.50	0.93	-3.13	-7.44e-05	0.0	-4.80e-04
2361	177	7.68	-3.14	-3.76	3.65e-04	0.0	-3.52e-04
2361	193	5.46	-7.55	-2.88	8.58e-04	0.0	-2.80e-04
2361	208	11.14	1.09	-3.33	-9.55e-05	0.0	-5.67e-04
2361	209	8.99	-3.64	-4.06	4.15e-04	0.0	-4.16e-04
2361	225	6.47	-8.78	-3.06	9.91e-04	0.0	-3.39e-04
2362	28	0.27	-0.96	-3.54	1.74e-04	0.0	2.06e-05
2362	44	0.24	-1.42	-3.20	2.14e-04	0.0	1.50e-05
2362	52	0.28	-0.21	-3.47	9.58e-05	0.0	2.33e-05
2362	80	0.20	-0.64	-2.50	1.19e-04	0.0	1.43e-05
2362	88	0.18	-0.96	-2.27	1.46e-04	0.0	1.06e-05
2362	92	0.20	-0.15	-2.46	6.72e-05	0.0	1.61e-05
2362	98	0.17	-0.13	-2.06	5.58e-05	0.0	1.32e-05
2362	105	0.16	-0.28	-1.99	7.05e-05	0.0	1.18e-05
2362	107	0.16	-0.12	-1.98	5.30e-05	0.0	1.24e-05
2362	112	8.77	0.91	-3.01	-6.17e-05	0.0	-4.99e-04
2362	113	7.09	-3.18	-3.58	3.30e-04	0.0	-3.82e-04
2362	129	4.94	-7.56	-2.77	7.67e-04	0.0	-2.99e-04
2362	144	9.86	1.03	-3.14	-7.58e-05	0.0	-5.64e-04
2362	145	7.97	-3.56	-3.78	3.65e-04	0.0	-4.31e-04
2362	161	5.56	-8.49	-2.88	8.56e-04	0.0	-3.40e-04
2362	176	9.89	1.01	-3.14	-7.48e-05	0.0	-5.58e-04
2362	177	7.98	-3.50	-3.77	3.58e-04	0.0	-4.24e-04
2362	193	5.66	-8.39	-2.89	8.45e-04	0.0	-3.41e-04
2362	208	11.61	1.18	-3.34	-9.57e-05	0.0	-6.55e-04
2362	209	9.36	-4.05	-4.08	4.07e-04	0.0	-4.96e-04
2362	225	6.71	-9.76	-3.06	9.76e-04	0.0	-4.07e-04
2363	28	0.30	-1.04	-3.54	1.72e-04	0.0	-1.08e-06
2363	44	0.27	-1.53	-3.19	2.12e-04	0.0	-1.17e-06
2363	52	0.31	-0.26	-3.47	9.31e-05	0.0	-1.19e-06
2363	80	0.21	-0.70	-2.50	1.18e-04	0.0	0.0
2363	88	0.19	-1.03	-2.27	1.45e-04	0.0	0.0
2363	92	0.22	-0.18	-2.46	6.54e-05	0.0	0.0
2363	98	0.18	-0.15	-2.06	5.42e-05	0.0	-1.08e-06
2363	105	0.17	-0.32	-1.99	6.91e-05	0.0	-1.10e-06
2363	107	0.17	-0.15	-1.98	5.16e-05	0.0	-1.12e-06
2363	112	9.00	0.94	-3.01	-6.21e-05	0.0	-5.37e-04
2363	113	7.28	-3.34	-3.58	3.27e-04	0.0	-4.22e-04
2363	129	5.07	-7.93	-2.77	7.60e-04	0.0	-3.39e-04
2363	144	10.13	1.07	-3.14	-7.61e-05	0.0	-6.05e-04
2363	145	8.18	-3.74	-3.78	3.61e-04	0.0	-4.75e-04
2363	161	5.71	-8.91	-2.88	8.48e-04	0.0	-3.82e-04
2363	176	10.15	1.05	-3.14	-7.51e-05	0.0	-5.97e-04
2363	177	8.19	-3.68	-3.77	3.54e-04	0.0	-4.67e-04
2363	193	5.81	-8.81	-2.89	8.38e-04	0.0	-3.85e-04
2363	208	11.92	1.23	-3.34	-9.59e-05	0.0	-6.99e-04
2363	209	9.61	-4.25	-4.07	4.03e-04	0.0	-5.45e-04
2363	225	6.89	-10.24	-3.06	9.67e-04	0.0	-4.58e-04
2364	28	0.29	-0.85	-3.45	1.97e-04	0.0	4.11e-05
2364	44	0.27	-1.30	-3.10	2.31e-04	0.0	3.02e-05
2364	52	0.30	-0.14	-3.38	1.21e-04	0.0	4.66e-05
2364	80	0.21	-0.57	-2.43	1.35e-04	0.0	2.87e-05
2364	88	0.19	-0.87	-2.19	1.58e-04	0.0	2.14e-05
2364	92	0.21	-0.10	-2.38	8.49e-05	0.0	3.24e-05
2364	98	0.19	-0.08	-1.99	7.06e-05	0.0	2.68e-05
2364	105	0.18	-0.24	-1.91	8.38e-05	0.0	2.40e-05
2364	107	0.18	-0.08	-1.90	6.71e-05	0.0	2.52e-05
2364	112	8.54	0.66	-2.67	-2.84e-05	0.0	-4.59e-04
2364	113	6.91	-3.19	-3.19	3.77e-04	0.0	-3.37e-04
2364	129	4.82	-7.23	-2.63	8.21e-04	0.0	5.31e-05
2364	144	9.60	0.75	-2.77	-4.01e-05	0.0	-5.21e-04
2364	145	7.76	-3.58	-3.35	4.16e-04	0.0	-3.83e-04
2364	161	5.43	-8.13	-2.73	9.15e-04	0.0	5.63e-05
2364	176	9.63	0.73	-2.77	-3.92e-05	0.0	-5.15e-04
2364	177	7.78	-3.52	-3.34	4.09e-04	0.0	-3.76e-04
2364	193	5.52	-8.04	-2.73	9.04e-04	0.0	5.05e-05
2364	208	11.31	0.86	-2.93	-5.63e-05	0.0	-6.07e-04
2364	209	9.12	-4.08	-3.59	4.64e-04	0.0	-4.42e-04

2364	225	6.55	-9.36	-2.89	1.04e-03	0.0	5.08e-05
2365	28	0.36	-0.75	-3.45	1.97e-04	0.0	5.05e-05
2365	44	0.34	-1.19	-3.10	2.31e-04	0.0	3.71e-05
2365	52	0.37	-0.08	-3.38	1.21e-04	0.0	5.78e-05
2365	80	0.27	-0.50	-2.43	1.35e-04	0.0	3.54e-05
2365	88	0.25	-0.79	-2.19	1.58e-04	0.0	2.64e-05
2365	92	0.27	-0.06	-2.38	8.48e-05	0.0	4.02e-05
2365	98	0.24	-0.05	-1.99	7.06e-05	0.0	3.33e-05
2365	101	0.24	-0.05	-1.95	6.84e-05	0.0	3.18e-05
2365	105	0.23	-0.20	-1.91	8.38e-05	0.0	2.97e-05
2365	107	0.23	-0.05	-1.90	6.70e-05	0.0	3.14e-05
2365	112	8.50	0.65	-2.67	-2.84e-05	0.0	-4.33e-04
2365	113	6.89	-3.00	-3.19	3.78e-04	0.0	-3.02e-04
2365	129	4.83	-6.83	-2.63	8.21e-04	0.0	6.83e-05
2365	144	9.55	0.73	-2.77	-4.01e-05	0.0	-4.91e-04
2365	145	7.74	-3.37	-3.36	4.16e-04	0.0	-3.44e-04
2365	161	5.42	-7.68	-2.73	9.15e-04	0.0	7.24e-05
2365	176	9.58	0.72	-2.77	-3.92e-05	0.0	-4.86e-04
2365	177	7.75	-3.32	-3.35	4.09e-04	0.0	-3.38e-04
2365	193	5.52	-7.59	-2.73	9.04e-04	0.0	6.49e-05
2365	208	11.24	0.83	-2.93	-5.63e-05	0.0	-5.75e-04
2365	209	9.08	-3.85	-3.59	4.64e-04	0.0	-3.99e-04
2365	225	6.54	-8.85	-2.89	1.04e-03	0.0	6.56e-05
2366	28	0.27	-0.95	-3.45	1.95e-04	0.0	2.91e-05
2366	44	0.24	-1.42	-3.10	2.30e-04	0.0	2.15e-05
2366	52	0.27	-0.20	-3.38	1.20e-04	0.0	3.24e-05
2366	80	0.19	-0.64	-2.43	1.34e-04	0.0	2.02e-05
2366	88	0.17	-0.95	-2.19	1.57e-04	0.0	1.51e-05
2366	92	0.19	-0.14	-2.38	8.40e-05	0.0	2.24e-05
2366	98	0.17	-0.12	-1.99	6.98e-05	0.0	1.86e-05
2366	105	0.16	-0.28	-1.91	8.31e-05	0.0	1.67e-05
2366	107	0.16	-0.11	-1.90	6.63e-05	0.0	1.74e-05
2366	112	8.77	0.68	-2.67	-2.97e-05	0.0	-4.93e-04
2366	113	7.09	-3.38	-3.19	3.77e-04	0.0	-3.77e-04
2366	129	4.94	-7.64	-2.63	8.21e-04	0.0	-2.96e-04
2366	144	9.86	0.77	-2.77	-4.16e-05	0.0	-5.57e-04
2366	145	7.97	-3.79	-3.35	4.15e-04	0.0	-4.26e-04
2366	161	5.56	-8.58	-2.72	9.16e-04	0.0	-3.36e-04
2366	176	9.89	0.75	-2.77	-4.07e-05	0.0	-5.50e-04
2366	177	7.98	-3.72	-3.34	4.08e-04	0.0	-4.19e-04
2366	193	5.66	-8.49	-2.73	9.05e-04	0.0	-3.37e-04
2366	208	11.62	0.88	-2.92	-5.80e-05	0.0	-6.47e-04
2366	209	9.36	-4.31	-3.59	4.63e-04	0.0	-4.91e-04
2366	225	6.72	-9.88	-2.89	1.04e-03	0.0	-4.05e-04
2367	28	0.30	-1.04	-3.45	1.94e-04	0.0	1.73e-06
2367	44	0.27	-1.53	-3.09	2.29e-04	0.0	1.07e-06
2367	52	0.31	-0.26	-3.38	1.18e-04	0.0	1.74e-06
2367	80	0.21	-0.71	-2.43	1.33e-04	0.0	1.04e-06
2367	88	0.19	-1.03	-2.19	1.57e-04	0.0	0.0
2367	92	0.21	-0.18	-2.38	8.27e-05	0.0	1.04e-06
2367	98	0.18	-0.15	-1.99	6.88e-05	0.0	0.0
2367	105	0.17	-0.32	-1.91	8.22e-05	0.0	0.0
2367	107	0.17	-0.15	-1.90	6.53e-05	0.0	0.0
2367	112	9.00	0.69	-2.67	-3.12e-05	0.0	-5.35e-04
2367	113	7.28	-3.56	-3.19	3.75e-04	0.0	-4.20e-04
2367	129	5.07	-8.05	-2.63	8.21e-04	0.0	-3.37e-04
2367	144	10.13	0.80	-2.77	-4.30e-05	0.0	-6.03e-04
2367	145	8.18	-3.99	-3.35	4.14e-04	0.0	-4.73e-04
2367	161	5.71	-9.04	-2.72	9.15e-04	0.0	-3.80e-04
2367	176	10.15	0.78	-2.77	-4.23e-05	0.0	-5.95e-04
2367	177	8.19	-3.93	-3.34	4.07e-04	0.0	-4.65e-04
2367	193	5.81	-8.94	-2.73	9.05e-04	0.0	-3.83e-04
2367	208	11.92	0.91	-2.92	-5.97e-05	0.0	-6.97e-04
2367	209	9.61	-4.54	-3.59	4.61e-04	0.0	-5.42e-04
2367	225	6.89	-10.40	-2.89	1.04e-03	0.0	-4.56e-04
2368	28	0.02	-0.51	-0.49	-1.38e-04	1.26e-05	0.0
2368	44	0.02	-0.80	-0.46	-1.28e-04	7.13e-06	0.0
2368	52	0.02	-0.07	-0.46	-1.31e-04	1.82e-05	-1.02e-06
2368	80	0.01	-0.34	-0.35	-9.72e-05	9.26e-06	0.0
2368	88	0.01	-0.53	-0.32	-9.08e-05	5.58e-06	0.0
2368	92	0.01	-0.05	-0.33	-9.32e-05	1.29e-05	0.0
2368	98	0.01	-0.04	-0.27	-7.79e-05	1.10e-05	0.0
2368	105	0.01	-0.14	-0.27	-7.62e-05	9.37e-06	0.0
2368	107	0.01	-0.04	-0.26	-7.48e-05	1.06e-05	0.0
2368	112	5.75	-2.60	-0.34	-4.65e-05	9.48e-04	-4.74e-04

2368	129	3.20	-5.70	-0.57	-1.13e-04	-1.43e-04	-2.81e-04
2368	144	6.48	-2.92	-0.35	-4.30e-05	1.07e-03	-5.34e-04
2368	161	3.62	-6.43	-0.61	-1.18e-04	-1.62e-04	-3.18e-04
2368	176	6.51	-2.94	-0.34	-4.49e-05	1.06e-03	-5.36e-04
2368	193	3.70	-6.45	-0.61	-1.18e-04	-1.54e-04	-3.26e-04
2368	208	7.67	-3.46	-0.36	-4.07e-05	1.24e-03	-6.31e-04
2368	225	4.42	-7.59	-0.67	-1.25e-04	-1.74e-04	-3.91e-04
2369	4	0.02	0.40	-0.54	-3.62e-05	2.78e-05	-1.76e-05
2369	28	0.01	-0.59	-0.63	1.46e-04	1.87e-05	-1.54e-05
2369	44	6.33e-03	-0.90	-0.59	2.02e-04	1.32e-05	-1.24e-05
2369	68	0.01	0.27	-0.38	-2.17e-05	1.96e-05	-1.23e-05
2369	80	8.34e-03	-0.39	-0.44	9.97e-05	1.35e-05	-1.09e-05
2369	88	4.78e-03	-0.61	-0.41	1.37e-04	9.87e-06	-8.86e-06
2369	98	9.62e-03	-0.05	-0.35	3.24e-05	1.41e-05	-9.73e-06
2369	105	8.09e-03	-0.16	-0.34	5.16e-05	1.26e-05	-8.96e-06
2369	107	9.13e-03	-0.05	-0.33	3.12e-05	1.36e-05	-9.26e-06
2369	112	6.21	-2.75	-0.43	-7.37e-04	9.38e-04	-4.42e-04
2369	129	3.47	-6.35	-0.74	1.24e-03	-1.28e-04	-2.71e-04
2369	144	7.00	-3.09	-0.44	-8.33e-04	1.06e-03	-4.97e-04
2369	161	3.92	-7.15	-0.80	1.39e-03	-1.45e-04	-3.05e-04
2369	176	7.03	-3.10	-0.44	-8.03e-04	1.05e-03	-4.97e-04
2369	193	4.01	-7.17	-0.79	1.38e-03	-1.38e-04	-3.10e-04
2369	208	8.28	-3.65	-0.46	-9.32e-04	1.23e-03	-5.84e-04
2369	225	4.79	-8.43	-0.87	1.61e-03	-1.56e-04	-3.69e-04
2370	4	0.02	0.41	-0.76	-3.63e-05	0.0	-1.11e-05
2370	28	0.01	-0.59	-0.87	1.41e-04	0.0	-4.15e-06
2370	44	6.87e-03	-0.90	-0.82	1.96e-04	0.0	0.0
2370	68	0.01	0.27	-0.54	-2.19e-05	0.0	-7.60e-06
2370	80	8.73e-03	-0.39	-0.62	9.65e-05	0.0	-2.98e-06
2370	88	5.16e-03	-0.61	-0.58	1.33e-04	0.0	0.0
2370	98	9.91e-03	-0.05	-0.49	3.12e-05	0.0	-4.38e-06
2370	105	8.38e-03	-0.16	-0.48	4.99e-05	0.0	-3.34e-06
2370	107	9.42e-03	-0.05	-0.47	3.00e-05	0.0	-4.13e-06
2370	112	6.21	-2.57	-0.05	-7.20e-04	0.0	-3.95e-04
2370	127	0.28	-3.95	-1.16	1.24e-03	0.0	2.31e-04
2370	129	3.47	-6.29	-0.98	1.24e-03	0.0	1.75e-05
2370	144	7.00	-2.89	6.64e-03	-8.14e-04	0.0	-4.44e-04
2370	159	0.32	-4.45	-1.24	1.39e-03	0.0	2.60e-04
2370	161	3.92	-7.08	-1.05	1.40e-03	0.0	1.99e-05
2370	176	7.03	-2.90	-0.02	-7.84e-04	0.0	-4.44e-04
2370	191	0.34	-4.44	-1.23	1.37e-03	0.0	2.59e-04
2370	193	4.01	-7.10	-1.05	1.38e-03	0.0	1.54e-05
2370	208	8.28	-3.41	0.04	-9.09e-04	0.0	-5.22e-04
2370	223	0.41	-5.18	-1.35	1.60e-03	0.0	3.06e-04
2370	225	4.79	-8.35	-1.15	1.61e-03	0.0	1.53e-05
2371	28	0.02	-0.51	-0.85	1.39e-04	0.0	0.0
2371	44	0.01	-0.80	-0.80	1.94e-04	0.0	6.12e-06
2371	52	0.02	-0.06	-0.80	4.94e-05	0.0	-6.15e-06
2371	80	0.01	-0.34	-0.60	9.48e-05	0.0	0.0
2371	88	0.01	-0.54	-0.57	1.31e-04	0.0	3.92e-06
2371	92	0.01	-0.04	-0.57	3.52e-05	0.0	-4.26e-06
2371	98	0.01	-0.04	-0.48	2.97e-05	0.0	-3.43e-06
2371	105	0.01	-0.14	-0.47	4.85e-05	0.0	-1.72e-06
2371	107	0.01	-0.04	-0.46	2.86e-05	0.0	-3.23e-06
2371	112	5.75	-2.43	-0.03	-7.21e-04	0.0	-3.61e-04
2371	127	0.24	-3.46	-1.17	1.24e-03	0.0	2.09e-04
2371	129	3.20	-5.65	-0.99	1.25e-03	0.0	1.52e-05
2371	144	6.48	-2.74	0.02	-8.15e-04	0.0	-4.07e-04
2371	159	0.27	-3.90	-1.26	1.39e-03	0.0	2.36e-04
2371	161	3.62	-6.36	-1.06	1.40e-03	0.0	1.73e-05
2371	176	6.51	-2.75	-4.50e-03	-7.85e-04	0.0	-4.07e-04
2371	191	0.29	-3.89	-1.24	1.38e-03	0.0	2.36e-04
2371	193	3.70	-6.38	-1.06	1.39e-03	0.0	1.37e-05
2371	208	7.67	-3.25	0.06	-9.10e-04	0.0	-4.78e-04
2371	223	0.35	-4.55	-1.36	1.60e-03	0.0	2.78e-04
2371	225	4.42	-7.51	-1.16	1.62e-03	0.0	1.39e-05
2372	4	0.04	0.42	-0.61	-3.16e-05	5.29e-05	-1.90e-05
2372	28	0.03	-0.67	-0.71	1.49e-04	4.92e-05	-1.83e-05
2372	44	0.02	-1.01	-0.66	2.03e-04	4.25e-05	-1.56e-05
2372	68	0.03	0.28	-0.43	-1.85e-05	3.75e-05	-1.33e-05
2372	80	0.02	-0.45	-0.50	1.02e-04	3.50e-05	-1.29e-05
2372	88	0.02	-0.68	-0.47	1.38e-04	3.06e-05	-1.11e-05
2372	98	0.02	-0.07	-0.39	3.48e-05	3.07e-05	-1.08e-05
2372	105	0.02	-0.19	-0.38	5.36e-05	2.91e-05	-1.02e-05
2372	107	0.02	-0.07	-0.37	3.35e-05	2.95e-05	-1.03e-05

2372	112	6.69	-2.90	-0.49	-7.31e-04	9.51e-04	-4.69e-04
2372	129	3.75	-6.99	-0.86	1.24e-03	-9.26e-05	1.03e-05
2372	144	7.54	-3.27	-0.51	-8.27e-04	1.07e-03	-5.28e-04
2372	161	4.24	-7.87	-0.92	1.39e-03	-1.07e-04	1.26e-05
2372	176	7.57	-3.27	-0.50	-7.98e-04	1.06e-03	-5.28e-04
2372	193	4.32	-7.88	-0.92	1.38e-03	-1.00e-04	8.17e-06
2372	208	8.92	-3.84	-0.52	-9.27e-04	1.24e-03	-6.20e-04
2372	225	5.16	-9.26	-1.01	1.60e-03	-1.15e-04	7.82e-06
2373	4	0.04	0.43	-0.76	-3.14e-05	0.0	-1.04e-05
2373	28	0.03	-0.66	-0.88	1.46e-04	0.0	-6.97e-06
2373	44	0.02	-1.01	-0.83	2.00e-04	0.0	-4.70e-06
2373	68	0.03	0.28	-0.55	-1.84e-05	0.0	-7.19e-06
2373	80	0.02	-0.44	-0.62	1.00e-04	0.0	-4.88e-06
2373	88	0.02	-0.68	-0.59	1.36e-04	0.0	-3.37e-06
2373	98	0.02	-0.07	-0.49	3.43e-05	0.0	-4.80e-06
2373	105	0.02	-0.19	-0.49	5.28e-05	0.0	-4.18e-06
2373	107	0.02	-0.07	-0.47	3.30e-05	0.0	-4.53e-06
2373	112	6.69	-2.71	-0.05	-7.17e-04	0.0	-4.19e-04
2373	127	0.33	-4.44	-1.15	1.23e-03	0.0	2.51e-04
2373	129	3.75	-6.93	-0.98	1.24e-03	0.0	2.43e-05
2373	144	7.54	-3.05	3.63e-04	-8.10e-04	0.0	-4.72e-04
2373	159	0.38	-4.99	-1.24	1.38e-03	0.0	2.83e-04
2373	161	4.24	-7.81	-1.05	1.39e-03	0.0	2.74e-05
2373	176	7.57	-3.05	-0.03	-7.81e-04	0.0	-4.72e-04
2373	191	0.39	-4.98	-1.22	1.37e-03	0.0	2.81e-04
2373	193	4.32	-7.81	-1.05	1.38e-03	0.0	2.17e-05
2373	208	8.92	-3.59	0.04	-9.07e-04	0.0	-5.54e-04
2373	223	0.47	-5.82	-1.34	1.59e-03	0.0	3.31e-04
2373	225	5.16	-9.18	-1.14	1.61e-03	0.0	2.19e-05
2374	4	0.07	0.44	-0.66	-2.67e-05	7.42e-05	-1.82e-05
2374	28	0.06	-0.74	-0.76	1.51e-04	7.42e-05	-1.82e-05
2374	44	0.05	-1.12	-0.72	2.04e-04	6.63e-05	-1.58e-05
2374	68	0.05	0.29	-0.47	-1.51e-05	5.26e-05	-1.27e-05
2374	80	0.05	-0.50	-0.54	1.04e-04	5.26e-05	-1.27e-05
2374	88	0.04	-0.75	-0.51	1.39e-04	4.73e-05	-1.11e-05
2374	98	0.04	-0.09	-0.42	3.73e-05	4.44e-05	-1.03e-05
2374	105	0.04	-0.22	-0.42	5.56e-05	4.26e-05	-9.81e-06
2374	107	0.04	-0.09	-0.40	3.59e-05	4.26e-05	-9.80e-06
2374	112	7.18	-3.06	-0.53	-7.28e-04	9.57e-04	-4.90e-04
2374	129	4.03	-7.63	-0.95	1.24e-03	5.54e-04	1.25e-05
2374	144	8.09	-3.44	-0.55	-8.23e-04	1.07e-03	-5.51e-04
2374	161	4.55	-8.58	-1.02	1.39e-03	6.19e-04	1.50e-05
2374	176	8.12	-3.44	-0.55	-7.94e-04	1.07e-03	-5.51e-04
2374	193	4.64	-8.59	-1.01	1.38e-03	6.21e-04	1.00e-05
2374	208	9.56	-4.04	-0.57	-9.23e-04	1.24e-03	-6.46e-04
2374	225	5.53	-10.10	-1.12	1.61e-03	7.27e-04	9.58e-06
2375	4	0.07	0.44	-0.77	-2.50e-05	0.0	-8.69e-06
2375	28	0.06	-0.74	-0.88	1.52e-04	0.0	-7.35e-06
2375	44	0.05	-1.11	-0.83	2.04e-04	0.0	-6.01e-06
2375	68	0.05	0.29	-0.55	-1.39e-05	0.0	-5.97e-06
2375	80	0.05	-0.50	-0.62	1.04e-04	0.0	-5.08e-06
2375	88	0.04	-0.75	-0.59	1.39e-04	0.0	-4.19e-06
2375	98	0.04	-0.09	-0.50	3.81e-05	0.0	-4.20e-06
2375	105	0.04	-0.22	-0.49	5.62e-05	0.0	-3.88e-06
2375	107	0.04	-0.08	-0.48	3.66e-05	0.0	-3.94e-06
2375	112	7.18	-2.86	-0.05	-7.10e-04	0.0	-4.41e-04
2375	127	0.39	-4.93	-1.16	1.22e-03	0.0	2.66e-04
2375	129	4.03	-7.57	-0.98	1.23e-03	0.0	2.78e-05
2375	144	8.09	-3.21	-2.37e-03	-8.03e-04	0.0	-4.96e-04
2375	159	0.43	-5.54	-1.24	1.37e-03	0.0	3.01e-04
2375	161	4.55	-8.52	-1.05	1.38e-03	0.0	3.13e-05
2375	176	8.12	-3.21	-0.03	-7.75e-04	0.0	-4.96e-04
2375	191	0.45	-5.52	-1.23	1.36e-03	0.0	2.98e-04
2375	193	4.64	-8.53	-1.05	1.37e-03	0.0	2.49e-05
2375	208	9.56	-3.77	0.03	-9.01e-04	0.0	-5.82e-04
2375	223	0.53	-6.44	-1.35	1.57e-03	0.0	3.50e-04
2375	225	5.53	-10.01	-1.15	1.59e-03	0.0	2.52e-05
2376	4	0.12	0.45	-0.70	-2.19e-05	9.28e-05	-1.57e-05
2376	28	0.11	-0.82	-0.82	1.54e-04	9.57e-05	-1.60e-05
2376	44	0.09	-1.23	-0.77	2.05e-04	8.62e-05	-1.38e-05
2376	68	0.08	0.29	-0.50	-1.17e-05	6.58e-05	-1.08e-05
2376	80	0.08	-0.56	-0.57	1.05e-04	6.77e-05	-1.10e-05
2376	88	0.07	-0.82	-0.54	1.39e-04	6.13e-05	-9.56e-06
2376	98	0.07	-0.11	-0.45	3.98e-05	5.60e-05	-8.73e-06
2376	105	0.07	-0.25	-0.44	5.76e-05	5.40e-05	-8.26e-06

2376	107	0.07	-0.11	-0.43	3.82e-05	5.37e-05	-8.20e-06
2376	112	7.67	-3.22	-0.06	-7.24e-04	9.55e-04	-5.05e-04
2376	129	4.32	-8.27	-1.02	1.24e-03	5.47e-04	1.38e-05
2376	144	8.64	-3.62	-0.02	-8.20e-04	1.07e-03	-5.69e-04
2376	161	4.87	-9.31	-1.09	1.39e-03	6.10e-04	1.63e-05
2376	176	8.67	-3.61	-0.03	-7.91e-04	1.06e-03	-5.68e-04
2376	193	4.96	-9.31	-1.09	1.38e-03	6.13e-04	1.12e-05
2376	208	10.20	-4.23	0.03	-9.19e-04	1.24e-03	-6.66e-04
2376	225	5.90	-10.93	-1.20	1.61e-03	7.16e-04	1.07e-05
2377	4	0.12	0.45	-0.78	-1.71e-05	0.0	-5.37e-06
2377	28	0.11	-0.82	-0.89	1.58e-04	0.0	-4.97e-06
2377	44	0.09	-1.22	-0.84	2.08e-04	0.0	-4.38e-06
2377	68	0.08	0.30	-0.56	-8.37e-06	0.0	-3.63e-06
2377	80	0.08	-0.55	-0.63	1.08e-04	0.0	-3.36e-06
2377	88	0.07	-0.82	-0.60	1.42e-04	0.0	-2.97e-06
2377	98	0.07	-0.11	-0.50	4.26e-05	0.0	-2.36e-06
2377	105	0.07	-0.25	-0.49	6.02e-05	0.0	-2.26e-06
2377	107	0.07	-0.10	-0.48	4.09e-05	0.0	-2.18e-06
2377	112	7.67	-3.01	-0.06	3.17e-04	0.0	-4.62e-04
2377	127	0.44	-5.40	-1.17	9.06e-04	0.0	2.78e-04
2377	129	4.32	-8.21	-0.99	1.22e-03	0.0	2.63e-05
2377	144	8.64	-3.38	-4.35e-03	3.52e-04	0.0	-5.20e-04
2377	159	0.49	-6.07	-1.25	1.01e-03	0.0	3.13e-04
2377	161	4.87	-9.24	-1.06	1.37e-03	0.0	2.94e-05
2377	176	8.67	-3.38	-0.03	3.39e-04	0.0	-5.19e-04
2377	191	0.50	-6.06	-1.24	1.01e-03	0.0	3.11e-04
2377	193	4.96	-9.24	-1.06	1.36e-03	0.0	2.31e-05
2377	208	10.20	-3.95	0.03	3.86e-04	0.0	-6.10e-04
2377	223	0.59	-7.07	-1.36	1.17e-03	0.0	3.65e-04
2377	225	5.90	-10.84	-1.16	1.58e-03	0.0	2.29e-05
2378	4	0.02	0.41	-0.81	-3.37e-05	0.0	-8.22e-06
2378	28	0.01	-0.59	-0.92	1.40e-04	0.0	0.0
2378	44	7.84e-03	-0.91	-0.87	1.93e-04	0.0	3.53e-06
2378	68	0.01	0.27	-0.58	-2.00e-05	0.0	-5.55e-06
2378	80	9.44e-03	-0.39	-0.65	9.59e-05	0.0	0.0
2378	88	5.85e-03	-0.61	-0.62	1.31e-04	0.0	2.28e-06
2378	98	0.01	-0.05	-0.52	3.19e-05	0.0	-2.27e-06
2378	105	8.92e-03	-0.16	-0.52	5.01e-05	0.0	-1.18e-06
2378	107	9.93e-03	-0.05	-0.51	3.07e-05	0.0	-2.11e-06
2378	112	6.21	-2.40	0.16	-7.12e-04	0.0	-3.77e-04
2378	127	0.28	-4.01	-1.36	1.26e-03	0.0	2.25e-04
2378	129	3.47	-6.25	-1.06	1.26e-03	0.0	2.20e-05
2378	144	7.00	-2.70	0.24	-8.05e-04	0.0	-4.25e-04
2378	159	0.32	-4.51	-1.47	1.41e-03	0.0	2.54e-04
2378	161	3.92	-7.03	-1.13	1.42e-03	0.0	2.47e-05
2378	176	7.03	-2.71	0.21	-7.75e-04	0.0	-4.25e-04
2378	191	0.34	-4.50	-1.45	1.39e-03	0.0	2.53e-04
2378	193	4.01	-7.04	-1.13	1.40e-03	0.0	1.99e-05
2378	208	8.28	-3.19	0.32	-8.99e-04	0.0	-4.99e-04
2378	223	0.41	-5.25	-1.60	1.62e-03	0.0	2.97e-04
2378	225	4.79	-8.28	-1.23	1.63e-03	0.0	2.00e-05
2379	28	0.01	-0.51	-0.92	1.38e-04	0.0	0.0
2379	44	0.01	-0.81	-0.87	1.91e-04	0.0	5.63e-06
2379	52	0.02	-0.06	-0.86	5.06e-05	0.0	-6.00e-06
2379	80	0.01	-0.34	-0.65	9.40e-05	0.0	0.0
2379	88	8.34e-03	-0.54	-0.62	1.29e-04	0.0	3.61e-06
2379	92	0.01	-0.04	-0.61	3.60e-05	0.0	-4.15e-06
2379	98	9.18e-03	-0.04	-0.52	3.04e-05	0.0	-3.34e-06
2379	105	8.44e-03	-0.13	-0.52	4.86e-05	0.0	-1.71e-06
2379	107	8.68e-03	-0.03	-0.50	2.93e-05	0.0	-3.14e-06
2379	112	5.74	-2.27	0.16	-7.16e-04	0.0	-3.65e-04
2379	127	0.24	-3.50	-1.35	1.26e-03	0.0	-2.33e-05
2379	129	3.20	-5.59	-1.06	1.27e-03	0.0	-2.20e-04
2379	144	6.47	-2.56	0.24	-8.09e-04	0.0	-4.11e-04
2379	159	0.27	-3.94	-1.46	1.42e-03	0.0	-2.61e-05
2379	161	3.62	-6.30	-1.12	1.42e-03	0.0	-2.48e-04
2379	176	6.51	-2.57	0.21	-7.79e-04	0.0	-4.11e-04
2379	191	0.29	-3.93	-1.44	1.40e-03	0.0	-2.63e-05
2379	193	3.70	-6.31	-1.12	1.41e-03	0.0	-2.51e-04
2379	208	7.67	-3.03	0.33	-9.03e-04	0.0	-4.83e-04
2379	223	0.35	-4.59	-1.59	1.63e-03	0.0	-3.15e-05
2379	225	4.42	-7.43	-1.22	1.64e-03	0.0	-2.99e-04
2380	4	0.04	0.43	-0.81	-2.88e-05	0.0	-5.01e-06
2380	28	0.03	-0.66	-0.92	1.46e-04	0.0	0.0
2380	44	0.02	-1.01	-0.87	1.98e-04	0.0	1.92e-06

2380	68	0.03	0.28	-0.58	-1.66e-05	0.0	-3.34e-06
2380	80	0.02	-0.44	-0.65	9.98e-05	0.0	0.0
2380	88	0.02	-0.68	-0.62	1.35e-04	0.0	1.29e-06
2380	98	0.02	-0.07	-0.53	3.51e-05	0.0	-1.08e-06
2380	105	0.02	-0.19	-0.52	5.32e-05	0.0	0.0
2380	107	0.02	-0.07	-0.51	3.38e-05	0.0	0.0
2380	112	6.69	-2.53	0.16	-7.03e-04	0.0	-3.94e-04
2380	127	0.33	-4.51	-1.36	1.24e-03	0.0	2.45e-04
2380	129	3.75	-6.90	-1.06	1.24e-03	0.0	3.26e-05
2380	144	7.54	-2.85	0.24	-7.95e-04	0.0	-4.44e-04
2380	159	0.38	-5.07	-1.47	1.39e-03	0.0	2.76e-04
2380	161	4.24	-7.76	-1.13	1.40e-03	0.0	3.63e-05
2380	176	7.57	-2.85	0.21	-7.66e-04	0.0	-4.43e-04
2380	191	0.39	-5.06	-1.45	1.37e-03	0.0	2.73e-04
2380	193	4.32	-7.77	-1.13	1.38e-03	0.0	3.01e-05
2380	208	8.92	-3.35	0.32	-8.90e-04	0.0	-5.21e-04
2380	223	0.47	-5.90	-1.60	1.60e-03	0.0	3.21e-04
2380	225	5.16	-9.12	-1.23	1.61e-03	0.0	3.09e-05
2381	4	0.07	0.44	-0.81	-2.16e-05	0.0	-1.67e-06
2381	28	0.07	-0.74	-0.92	1.53e-04	0.0	0.0
2381	44	0.05	-1.11	-0.88	2.04e-04	0.0	1.40e-06
2381	68	0.05	0.29	-0.58	-1.15e-05	0.0	-1.03e-06
2381	80	0.05	-0.50	-0.66	1.05e-04	0.0	0.0
2381	88	0.04	-0.75	-0.62	1.39e-04	0.0	1.02e-06
2381	98	0.04	-0.09	-0.53	3.97e-05	0.0	0.0
2381	105	0.04	-0.21	-0.52	5.74e-05	0.0	0.0
2381	107	0.04	-0.08	-0.51	3.81e-05	0.0	0.0
2381	112	7.18	-2.67	0.16	-6.86e-04	0.0	-4.15e-04
2381	127	0.39	-5.00	-1.36	1.21e-03	0.0	2.62e-04
2381	129	4.03	-7.54	-1.06	1.22e-03	0.0	3.71e-05
2381	144	8.09	-3.00	0.24	-7.77e-04	0.0	-4.67e-04
2381	159	0.43	-5.62	-1.47	1.36e-03	0.0	2.95e-04
2381	161	4.55	-8.48	-1.13	1.37e-03	0.0	4.12e-05
2381	176	8.12	-3.00	0.21	-7.50e-04	0.0	-4.67e-04
2381	191	0.45	-5.60	-1.45	1.34e-03	0.0	2.92e-04
2381	193	4.64	-8.48	-1.13	1.35e-03	0.0	3.43e-05
2381	208	9.56	-3.52	0.32	-8.72e-04	0.0	-5.48e-04
2381	223	0.53	-6.54	-1.60	1.56e-03	0.0	3.41e-04
2381	225	5.53	-9.95	-1.23	1.58e-03	0.0	3.52e-05
2382	4	0.12	0.45	-0.81	-1.20e-05	0.0	2.38e-06
2382	28	0.11	-0.82	-0.93	1.62e-04	0.0	3.36e-06
2382	44	0.09	-1.22	-0.88	2.11e-04	0.0	2.81e-06
2382	68	0.08	0.30	-0.58	-4.78e-06	0.0	1.79e-06
2382	80	0.08	-0.55	-0.66	1.11e-04	0.0	2.44e-06
2382	88	0.07	-0.82	-0.62	1.44e-04	0.0	2.07e-06
2382	98	0.07	-0.11	-0.53	4.54e-05	0.0	2.38e-06
2382	105	0.07	-0.25	-0.52	6.26e-05	0.0	2.23e-06
2382	107	0.07	-0.11	-0.51	4.36e-05	0.0	2.30e-06
2382	112	7.67	-2.81	0.16	2.91e-04	0.0	-4.40e-04
2382	127	0.44	-5.48	-1.36	8.88e-04	0.0	2.74e-04
2382	129	4.32	-8.16	-1.07	1.18e-03	0.0	3.34e-05
2382	144	8.64	-3.16	0.24	3.22e-04	0.0	-4.97e-04
2382	159	0.49	-6.15	-1.47	9.95e-04	0.0	3.09e-04
2382	161	4.87	-9.19	-1.14	1.32e-03	0.0	3.68e-05
2382	176	8.67	-3.15	0.21	3.10e-04	0.0	-4.95e-04
2382	191	0.50	-6.13	-1.45	9.91e-04	0.0	3.05e-04
2382	193	4.96	-9.18	-1.13	1.31e-03	0.0	3.02e-05
2382	208	10.20	-3.69	0.32	3.52e-04	0.0	-5.82e-04
2382	223	0.59	-7.15	-1.60	1.15e-03	0.0	3.57e-04
2382	225	5.90	-10.77	-1.23	1.53e-03	0.0	3.02e-05
2383	4	0.02	0.42	-0.81	-2.92e-05	0.0	-6.82e-06
2383	28	0.01	-0.59	-0.93	1.42e-04	0.0	1.47e-06
2383	44	8.63e-03	-0.91	-0.88	1.93e-04	0.0	4.81e-06
2383	68	0.01	0.27	-0.58	-1.70e-05	0.0	-4.57e-06
2383	80	0.01	-0.39	-0.66	9.71e-05	0.0	0.0
2383	88	6.41e-03	-0.61	-0.63	1.31e-04	0.0	3.18e-06
2383	98	0.01	-0.05	-0.53	3.40e-05	0.0	-1.42e-06
2383	105	9.36e-03	-0.16	-0.53	5.16e-05	0.0	0.0
2383	107	0.01	-0.05	-0.51	3.27e-05	0.0	-1.31e-06
2383	111	-5.01	1.94	-1.60	8.60e-04	0.0	3.64e-04
2383	112	6.21	-2.23	0.43	-7.11e-04	0.0	-3.72e-04
2383	129	3.47	-6.20	-1.10	1.28e-03	0.0	2.25e-05
2383	143	-5.65	2.19	-1.73	9.64e-04	0.0	4.10e-04
2383	144	7.00	-2.51	0.55	-8.04e-04	0.0	-4.19e-04
2383	161	3.92	-6.99	-1.17	1.44e-03	0.0	2.51e-05

2383	175	-5.67	2.17	-1.71	9.38e-04	0.0	4.09e-04
2383	176	7.03	-2.52	0.52	-7.74e-04	0.0	-4.19e-04
2383	193	4.01	-6.99	-1.16	1.43e-03	0.0	2.04e-05
2383	207	-6.67	2.55	-1.90	1.08e-03	0.0	4.80e-04
2383	208	8.29	-2.96	0.69	-8.98e-04	0.0	-4.92e-04
2383	225	4.79	-8.21	-1.26	1.66e-03	0.0	2.05e-05
2384	28	0.01	-0.51	-0.93	1.39e-04	0.0	0.0
2384	44	9.96e-03	-0.81	-0.88	1.90e-04	0.0	4.01e-06
2384	52	0.01	-0.06	-0.87	5.40e-05	0.0	-6.74e-06
2384	80	8.96e-03	-0.34	-0.66	9.51e-05	0.0	0.0
2384	88	7.02e-03	-0.54	-0.63	1.29e-04	0.0	2.49e-06
2384	92	9.75e-03	-0.04	-0.62	3.84e-05	0.0	-4.67e-06
2384	98	8.02e-03	-0.03	-0.53	3.24e-05	0.0	-3.78e-06
2384	105	7.29e-03	-0.13	-0.53	5.01e-05	0.0	-2.26e-06
2384	107	7.55e-03	-0.03	-0.51	3.12e-05	0.0	-3.56e-06
2384	111	-4.64	1.89	-1.60	8.66e-04	0.0	2.87e-04
2384	112	5.74	-2.10	0.43	-7.18e-04	0.0	-3.67e-04
2384	129	3.20	-5.53	-1.10	1.30e-03	0.0	-2.21e-04
2384	143	-5.23	2.13	-1.73	9.71e-04	0.0	3.23e-04
2384	144	6.47	-2.37	0.55	-8.11e-04	0.0	-4.14e-04
2384	161	3.62	-6.23	-1.17	1.45e-03	0.0	-2.50e-04
2384	175	-5.25	2.12	-1.71	9.45e-04	0.0	3.22e-04
2384	176	6.51	-2.38	0.52	-7.82e-04	0.0	-4.13e-04
2384	193	3.70	-6.24	-1.16	1.44e-03	0.0	-2.53e-04
2384	207	-6.19	2.50	-1.90	1.09e-03	0.0	3.78e-04
2384	208	7.67	-2.81	0.69	-9.07e-04	0.0	-4.85e-04
2384	225	4.42	-7.34	-1.27	1.68e-03	0.0	-3.01e-04
2385	4	0.04	0.43	-0.81	-2.46e-05	0.0	-1.98e-06
2385	28	0.03	-0.66	-0.93	1.47e-04	0.0	3.65e-06
2385	44	0.02	-1.01	-0.88	1.98e-04	0.0	5.31e-06
2385	68	0.03	0.28	-0.58	-1.37e-05	0.0	-1.20e-06
2385	80	0.02	-0.45	-0.66	1.01e-04	0.0	2.56e-06
2385	88	0.02	-0.68	-0.63	1.35e-04	0.0	3.66e-06
2385	98	0.02	-0.07	-0.53	3.70e-05	0.0	0.0
2385	105	0.02	-0.19	-0.53	5.46e-05	0.0	1.46e-06
2385	107	0.02	-0.07	-0.51	3.56e-05	0.0	0.0
2385	111	-5.37	1.98	-1.60	8.42e-04	0.0	3.79e-04
2385	112	6.69	-2.35	0.43	-6.92e-04	0.0	-3.84e-04
2385	129	3.75	-6.87	-1.10	1.25e-03	0.0	3.51e-05
2385	143	-6.06	2.24	-1.73	9.43e-04	0.0	4.27e-04
2385	144	7.54	-2.65	0.55	-7.82e-04	0.0	-4.33e-04
2385	161	4.24	-7.73	-1.17	1.41e-03	0.0	3.89e-05
2385	175	-6.07	2.22	-1.71	9.19e-04	0.0	4.25e-04
2385	176	7.57	-2.65	0.52	-7.54e-04	0.0	-4.32e-04
2385	193	4.32	-7.72	-1.16	1.39e-03	0.0	3.26e-05
2385	207	-7.15	2.61	-1.90	1.06e-03	0.0	4.98e-04
2385	208	8.92	-3.12	0.69	-8.76e-04	0.0	-5.08e-04
2385	225	5.16	-9.07	-1.26	1.62e-03	0.0	3.35e-05
2386	4	0.07	0.44	-0.81	-1.78e-05	0.0	2.40e-06
2386	28	0.07	-0.74	-0.93	1.55e-04	0.0	5.62e-06
2386	44	0.05	-1.12	-0.88	2.05e-04	0.0	5.76e-06
2386	68	0.05	0.29	-0.58	-8.92e-06	0.0	1.84e-06
2386	80	0.05	-0.50	-0.66	1.06e-04	0.0	3.98e-06
2386	88	0.04	-0.75	-0.63	1.39e-04	0.0	4.08e-06
2386	98	0.04	-0.09	-0.53	4.14e-05	0.0	2.96e-06
2386	105	0.04	-0.22	-0.53	5.88e-05	0.0	3.06e-06
2386	107	0.04	-0.09	-0.51	3.98e-05	0.0	2.86e-06
2386	111	-5.73	2.04	-1.60	8.14e-04	0.0	4.02e-04
2386	112	7.18	-2.48	0.43	-6.63e-04	0.0	-4.04e-04
2386	129	4.03	-7.51	-1.10	1.21e-03	0.0	3.99e-05
2386	143	-6.46	2.30	-1.73	9.11e-04	0.0	4.52e-04
2386	144	8.09	-2.79	0.55	-7.50e-04	0.0	-4.55e-04
2386	161	4.55	-8.45	-1.17	1.35e-03	0.0	4.40e-05
2386	175	-6.48	2.27	-1.71	8.89e-04	0.0	4.49e-04
2386	176	8.12	-2.79	0.52	-7.24e-04	0.0	-4.54e-04
2386	193	4.64	-8.44	-1.16	1.34e-03	0.0	3.72e-05
2386	207	-7.63	2.67	-1.90	1.02e-03	0.0	5.27e-04
2386	208	9.56	-3.27	0.69	-8.42e-04	0.0	-5.34e-04
2386	225	5.53	-9.90	-1.26	1.56e-03	0.0	3.81e-05
2387	4	0.12	0.45	-0.81	-9.51e-06	0.0	5.88e-06
2387	28	0.11	-0.82	-0.93	1.64e-04	0.0	7.53e-06
2387	44	0.09	-1.23	-0.88	2.12e-04	0.0	6.58e-06
2387	68	0.08	0.29	-0.58	-3.10e-06	0.0	4.23e-06
2387	80	0.08	-0.56	-0.66	1.12e-04	0.0	5.32e-06
2387	88	0.07	-0.82	-0.63	1.44e-04	0.0	4.69e-06

2387	98	0.07	-0.11	-0.53	4.65e-05	0.0	4.59e-06
2387	105	0.07	-0.25	-0.53	6.35e-05	0.0	4.37e-06
2387	107	0.07	-0.11	-0.52	4.46e-05	0.0	4.38e-06
2387	111	-6.08	2.08	-1.60	-1.12e-04	0.0	4.31e-04
2387	112	7.67	-2.61	0.43	2.64e-04	0.0	-4.31e-04
2387	129	4.32	-8.12	-1.10	1.15e-03	0.0	3.56e-05
2387	143	-6.85	2.36	-1.73	-1.31e-04	0.0	4.85e-04
2387	144	8.64	-2.93	0.55	2.92e-04	0.0	-4.86e-04
2387	161	4.87	-9.13	-1.17	1.29e-03	0.0	3.90e-05
2387	175	-6.87	2.32	-1.71	-1.16e-04	0.0	4.81e-04
2387	176	8.67	-2.93	0.52	2.81e-04	0.0	-4.85e-04
2387	193	4.96	-9.12	-1.16	1.28e-03	0.0	3.24e-05
2387	207	-8.10	2.73	-1.90	-1.38e-04	0.0	5.64e-04
2387	208	10.20	-3.43	0.69	3.18e-04	0.0	-5.70e-04
2387	225	5.90	-10.69	-1.27	1.49e-03	0.0	3.25e-05
2388	4	0.02	0.42	-0.79	-2.38e-05	0.0	-6.31e-06
2388	28	0.01	-0.59	-0.91	1.46e-04	0.0	1.80e-06
2388	44	9.18e-03	-0.91	-0.87	1.95e-04	0.0	5.01e-06
2388	68	0.01	0.28	-0.57	-1.31e-05	0.0	-4.21e-06
2388	80	0.01	-0.39	-0.65	9.98e-05	0.0	1.19e-06
2388	88	6.79e-03	-0.61	-0.62	1.33e-04	0.0	3.33e-06
2388	98	0.01	-0.05	-0.53	3.70e-05	0.0	-1.18e-06
2388	105	9.67e-03	-0.16	-0.52	5.42e-05	0.0	0.0
2388	107	0.01	-0.05	-0.51	3.55e-05	0.0	-1.08e-06
2388	111	-5.01	1.77	-1.92	8.67e-04	0.0	3.64e-04
2388	112	6.21	-2.06	0.75	-7.11e-04	0.0	-3.71e-04
2388	129	3.47	-6.16	-1.12	1.31e-03	0.0	2.19e-05
2388	143	-5.65	2.00	-2.10	9.71e-04	0.0	4.10e-04
2388	144	7.00	-2.32	0.91	-8.04e-04	0.0	-4.18e-04
2388	161	3.92	-6.94	-1.20	1.47e-03	0.0	2.45e-05
2388	175	-5.67	1.98	-2.07	9.46e-04	0.0	4.08e-04
2388	176	7.03	-2.33	0.88	-7.75e-04	0.0	-4.18e-04
2388	193	4.01	-6.93	-1.18	1.46e-03	0.0	1.98e-05
2388	207	-6.67	2.34	-2.32	1.09e-03	0.0	4.79e-04
2388	208	8.29	-2.74	1.10	-8.99e-04	0.0	-4.91e-04
2388	225	4.79	-8.14	-1.28	1.70e-03	0.0	1.99e-05
2389	28	0.01	-0.51	-0.91	1.44e-04	0.0	-1.79e-06
2389	44	9.35e-03	-0.81	-0.87	1.93e-04	0.0	2.92e-06
2389	52	0.01	-0.05	-0.85	5.98e-05	0.0	-7.30e-06
2389	80	8.49e-03	-0.34	-0.65	9.84e-05	0.0	-1.40e-06
2389	88	6.57e-03	-0.54	-0.62	1.32e-04	0.0	1.74e-06
2389	92	9.29e-03	-0.04	-0.61	4.25e-05	0.0	-5.07e-06
2389	98	7.62e-03	-0.03	-0.53	3.59e-05	0.0	-4.12e-06
2389	105	6.89e-03	-0.13	-0.52	5.31e-05	0.0	-2.67e-06
2389	107	7.15e-03	-0.03	-0.51	3.45e-05	0.0	-3.89e-06
2389	111	-4.64	1.73	-1.92	8.78e-04	0.0	2.87e-04
2389	112	5.74	-1.94	0.75	-7.22e-04	0.0	-3.68e-04
2389	129	3.20	-5.47	-1.12	1.33e-03	0.0	-2.22e-04
2389	143	-5.23	1.96	-2.10	9.84e-04	0.0	3.23e-04
2389	144	6.47	-2.18	0.91	-8.17e-04	0.0	-4.14e-04
2389	161	3.61	-6.16	-1.20	1.50e-03	0.0	-2.50e-04
2389	175	-5.25	1.94	-2.07	9.59e-04	0.0	3.22e-04
2389	176	6.51	-2.20	0.88	-7.87e-04	0.0	-4.14e-04
2389	193	3.70	-6.16	-1.18	1.48e-03	0.0	-2.53e-04
2389	207	-6.19	2.29	-2.32	1.10e-03	0.0	3.78e-04
2389	208	7.67	-2.59	1.11	-9.13e-04	0.0	-4.85e-04
2389	225	4.42	-7.25	-1.28	1.72e-03	0.0	-3.02e-04
2390	4	0.04	0.43	-0.79	-1.99e-05	0.0	0.0
2390	28	0.03	-0.66	-0.91	1.50e-04	0.0	5.03e-06
2390	44	0.02	-1.01	-0.87	1.99e-04	0.0	6.55e-06
2390	68	0.03	0.28	-0.57	-1.04e-05	0.0	0.0
2390	80	0.02	-0.45	-0.65	1.03e-04	0.0	3.52e-06
2390	88	0.02	-0.68	-0.62	1.36e-04	0.0	4.53e-06
2390	98	0.02	-0.07	-0.53	3.94e-05	0.0	1.68e-06
2390	105	0.02	-0.19	-0.52	5.66e-05	0.0	2.21e-06
2390	107	0.02	-0.07	-0.51	3.79e-05	0.0	1.65e-06
2390	111	-5.37	1.81	-1.92	8.35e-04	0.0	3.78e-04
2390	112	6.69	-2.18	0.75	-6.81e-04	0.0	-3.82e-04
2390	129	3.75	-6.83	-1.12	1.26e-03	0.0	3.49e-05
2390	143	-6.06	2.05	-2.10	9.35e-04	0.0	4.26e-04
2390	144	7.54	-2.45	0.90	-7.71e-04	0.0	-4.31e-04
2390	161	4.24	-7.69	-1.20	1.42e-03	0.0	3.86e-05
2390	175	-6.07	2.03	-2.06	9.11e-04	0.0	4.24e-04
2390	176	7.57	-2.46	0.87	-7.43e-04	0.0	-4.30e-04
2390	193	4.32	-7.68	-1.18	1.40e-03	0.0	3.24e-05

2390	207	-7.15	2.39	-2.32	1.05e-03	0.0	4.97e-04
2390	208	8.92	-2.89	1.10	-8.64e-04	0.0	-5.05e-04
2390	225	5.16	-9.01	-1.29	1.63e-03	0.0	3.32e-05
2391	4	0.07	0.44	-0.79	-1.45e-05	0.0	3.92e-06
2391	28	0.07	-0.74	-0.91	1.57e-04	0.0	7.48e-06
2391	44	0.05	-1.12	-0.87	2.05e-04	0.0	7.48e-06
2391	68	0.05	0.29	-0.57	-6.64e-06	0.0	2.90e-06
2391	80	0.05	-0.50	-0.65	1.07e-04	0.0	5.27e-06
2391	88	0.04	-0.75	-0.62	1.40e-04	0.0	5.27e-06
2391	98	0.04	-0.09	-0.53	4.29e-05	0.0	3.95e-06
2391	105	0.04	-0.22	-0.52	6.00e-05	0.0	4.03e-06
2391	107	0.04	-0.09	-0.51	4.12e-05	0.0	3.80e-06
2391	111	-5.73	1.85	-1.92	7.92e-04	0.0	4.00e-04
2391	112	7.18	-2.30	0.74	-6.40e-04	0.0	-4.01e-04
2391	129	4.03	-7.47	-1.12	1.20e-03	0.0	3.99e-05
2391	143	-6.46	2.10	-2.09	8.86e-04	0.0	4.51e-04
2391	144	8.09	-2.59	0.90	-7.25e-04	0.0	-4.52e-04
2391	161	4.55	-8.41	-1.20	1.34e-03	0.0	4.39e-05
2391	175	-6.48	2.07	-2.06	8.64e-04	0.0	4.48e-04
2391	176	8.12	-2.58	0.87	-7.00e-04	0.0	-4.51e-04
2391	193	4.64	-8.40	-1.18	1.33e-03	0.0	3.72e-05
2391	207	-7.63	2.44	-2.32	9.95e-04	0.0	5.24e-04
2391	208	9.56	-3.03	1.10	-8.15e-04	0.0	-5.30e-04
2391	225	5.53	-9.84	-1.29	1.55e-03	0.0	3.80e-05
2392	4	0.12	0.45	-0.79	-8.87e-06	0.0	6.69e-06
2392	28	0.11	-0.83	-0.91	1.64e-04	0.0	8.79e-06
2392	44	0.09	-1.23	-0.87	2.11e-04	0.0	7.83e-06
2392	68	0.08	0.29	-0.57	-2.71e-06	0.0	4.79e-06
2392	80	0.08	-0.56	-0.65	1.12e-04	0.0	6.19e-06
2392	88	0.07	-0.83	-0.62	1.44e-04	0.0	5.55e-06
2392	98	0.07	-0.11	-0.53	4.66e-05	0.0	5.16e-06
2392	105	0.07	-0.25	-0.52	6.35e-05	0.0	4.96e-06
2392	107	0.07	-0.11	-0.51	4.46e-05	0.0	4.92e-06
2392	111	-6.08	1.89	-1.91	-8.84e-05	0.0	4.29e-04
2392	112	7.67	-2.42	0.74	2.37e-04	0.0	-4.28e-04
2392	129	4.32	-8.08	-1.12	1.12e-03	0.0	3.62e-05
2392	143	-6.85	2.15	-2.09	-1.05e-04	0.0	4.82e-04
2392	144	8.64	-2.71	0.90	2.61e-04	0.0	-4.83e-04
2392	161	4.87	-9.08	-1.20	1.26e-03	0.0	3.96e-05
2392	175	-6.87	2.11	-2.06	-9.14e-05	0.0	4.78e-04
2392	176	8.67	-2.71	0.87	2.51e-04	0.0	-4.81e-04
2392	193	4.96	-9.07	-1.18	1.25e-03	0.0	3.30e-05
2392	207	-8.10	2.48	-2.31	-1.09e-04	0.0	5.60e-04
2392	208	10.20	-3.17	1.09	2.83e-04	0.0	-5.65e-04
2392	225	5.90	-10.62	-1.29	1.45e-03	0.0	3.31e-05
2393	4	0.02	0.42	-0.77	-1.87e-05	0.0	-6.22e-06
2393	28	0.01	-0.59	-0.89	1.49e-04	0.0	1.83e-06
2393	44	9.28e-03	-0.91	-0.85	1.97e-04	0.0	5.02e-06
2393	68	0.01	0.28	-0.55	-9.60e-06	0.0	-4.15e-06
2393	80	0.01	-0.40	-0.63	1.02e-04	0.0	1.21e-06
2393	88	6.86e-03	-0.61	-0.61	1.34e-04	0.0	3.33e-06
2393	98	0.01	-0.05	-0.51	3.97e-05	0.0	-1.14e-06
2393	105	9.72e-03	-0.16	-0.51	5.65e-05	0.0	0.0
2393	107	0.01	-0.05	-0.50	3.81e-05	0.0	-1.05e-06
2393	111	-5.01	1.61	-2.30	8.71e-04	0.0	3.64e-04
2393	112	6.21	-1.89	1.14	-7.09e-04	0.0	-3.71e-04
2393	129	3.47	-6.11	-1.15	1.34e-03	0.0	2.16e-05
2393	143	-5.65	1.82	-2.52	9.76e-04	0.0	4.10e-04
2393	144	7.00	-2.13	1.35	-8.03e-04	0.0	-4.19e-04
2393	161	3.92	-6.88	-1.23	1.50e-03	0.0	2.41e-05
2393	175	-5.67	1.80	-2.49	9.51e-04	0.0	4.08e-04
2393	176	7.03	-2.14	1.32	-7.74e-04	0.0	-4.18e-04
2393	193	4.01	-6.88	-1.21	1.49e-03	0.0	1.95e-05
2393	207	-6.67	2.12	-2.82	1.09e-03	0.0	4.79e-04
2393	208	8.29	-2.52	1.62	-8.99e-04	0.0	-4.91e-04
2393	225	4.79	-8.07	-1.31	1.73e-03	0.0	1.96e-05
2394	28	0.01	-0.51	-0.89	1.47e-04	0.0	-1.44e-06
2394	44	8.80e-03	-0.81	-0.85	1.96e-04	0.0	3.23e-06
2394	52	0.01	-0.05	-0.83	6.50e-05	0.0	-6.98e-06
2394	80	8.07e-03	-0.34	-0.63	1.01e-04	0.0	-1.16e-06
2394	88	6.17e-03	-0.54	-0.61	1.33e-04	0.0	1.95e-06
2394	92	8.86e-03	-0.03	-0.59	4.62e-05	0.0	-4.86e-06
2394	98	7.23e-03	-0.03	-0.51	3.89e-05	0.0	-3.95e-06
2394	105	6.51e-03	-0.13	-0.51	5.58e-05	0.0	-2.50e-06
2394	107	6.78e-03	-0.03	-0.50	3.74e-05	0.0	-3.73e-06

2394	111	-4.64	1.58	-2.30	8.87e-04	0.0	2.87e-04
2394	112	5.74	-1.77	1.14	-7.24e-04	0.0	-3.68e-04
2394	129	3.20	-5.41	-1.15	1.36e-03	0.0	-2.21e-04
2394	143	-5.23	1.78	-2.53	9.94e-04	0.0	3.23e-04
2394	144	6.47	-2.00	1.35	-8.19e-04	0.0	-4.14e-04
2394	161	3.61	-6.09	-1.23	1.53e-03	0.0	-2.50e-04
2394	175	-5.25	1.77	-2.49	9.68e-04	0.0	3.22e-04
2394	176	6.51	-2.01	1.32	-7.89e-04	0.0	-4.13e-04
2394	193	3.70	-6.09	-1.21	1.51e-03	0.0	-2.53e-04
2394	207	-6.19	2.09	-2.82	1.11e-03	0.0	3.78e-04
2394	208	7.67	-2.37	1.62	-9.16e-04	0.0	-4.85e-04
2394	225	4.42	-7.15	-1.31	1.76e-03	0.0	-3.02e-04
2395	4	0.04	0.43	-0.76	-1.57e-05	0.0	0.0
2395	28	0.03	-0.67	-0.88	1.53e-04	0.0	5.22e-06
2395	44	0.02	-1.02	-0.85	2.01e-04	0.0	6.72e-06
2395	68	0.03	0.28	-0.55	-7.48e-06	0.0	0.0
2395	80	0.02	-0.45	-0.63	1.05e-04	0.0	3.65e-06
2395	88	0.02	-0.68	-0.61	1.37e-04	0.0	4.65e-06
2395	98	0.02	-0.07	-0.51	4.16e-05	0.0	1.79e-06
2395	105	0.02	-0.19	-0.51	5.84e-05	0.0	2.30e-06
2395	107	0.02	-0.07	-0.49	3.99e-05	0.0	1.75e-06
2395	111	-5.37	1.64	-2.29	8.29e-04	0.0	3.78e-04
2395	112	6.69	-2.01	1.14	-6.71e-04	0.0	-3.82e-04
2395	129	3.75	-6.80	-1.14	1.27e-03	0.0	3.45e-05
2395	143	-6.06	1.86	-2.52	9.28e-04	0.0	4.26e-04
2395	144	7.54	-2.25	1.34	-7.60e-04	0.0	-4.30e-04
2395	161	4.24	-7.65	-1.22	1.43e-03	0.0	3.81e-05
2395	175	-6.07	1.83	-2.48	9.05e-04	0.0	4.24e-04
2395	176	7.57	-2.26	1.31	-7.33e-04	0.0	-4.30e-04
2395	193	4.32	-7.64	-1.20	1.41e-03	0.0	3.20e-05
2395	207	-7.15	2.16	-2.81	1.04e-03	0.0	4.97e-04
2395	208	8.92	-2.66	1.61	-8.52e-04	0.0	-5.05e-04
2395	225	5.16	-8.96	-1.31	1.65e-03	0.0	3.28e-05
2396	4	0.07	0.44	-0.76	-1.17e-05	0.0	4.11e-06
2396	28	0.07	-0.75	-0.88	1.58e-04	0.0	7.73e-06
2396	44	0.05	-1.12	-0.84	2.06e-04	0.0	7.72e-06
2396	68	0.05	0.29	-0.55	-4.74e-06	0.0	3.03e-06
2396	80	0.05	-0.51	-0.63	1.08e-04	0.0	5.45e-06
2396	88	0.04	-0.76	-0.60	1.40e-04	0.0	5.44e-06
2396	98	0.04	-0.09	-0.51	4.42e-05	0.0	4.07e-06
2396	105	0.04	-0.22	-0.51	6.10e-05	0.0	4.15e-06
2396	107	0.04	-0.09	-0.49	4.24e-05	0.0	3.91e-06
2396	111	-5.73	1.67	-2.28	7.73e-04	0.0	4.00e-04
2396	112	7.18	-2.12	1.13	-6.21e-04	0.0	-4.00e-04
2396	129	4.03	-7.44	-1.14	1.19e-03	0.0	3.97e-05
2396	143	-6.46	1.89	-2.50	8.64e-04	0.0	4.51e-04
2396	144	8.09	-2.38	1.33	-7.04e-04	0.0	-4.52e-04
2396	161	4.55	-8.37	-1.21	1.33e-03	0.0	4.36e-05
2396	175	-6.48	1.86	-2.47	8.43e-04	0.0	4.47e-04
2396	176	8.12	-2.38	1.30	-6.79e-04	0.0	-4.51e-04
2396	193	4.64	-8.35	-1.20	1.32e-03	0.0	3.69e-05
2396	207	-7.63	2.20	-2.80	9.71e-04	0.0	5.24e-04
2396	208	9.56	-2.79	1.60	-7.91e-04	0.0	-5.30e-04
2396	225	5.53	-9.79	-1.30	1.53e-03	0.0	3.77e-05
2397	4	0.12	0.44	-0.76	-8.60e-06	0.0	6.70e-06
2397	28	0.11	-0.83	-0.88	1.63e-04	0.0	8.91e-06
2397	44	0.09	-1.23	-0.84	2.11e-04	0.0	7.97e-06
2397	68	0.08	0.29	-0.55	-2.57e-06	0.0	4.79e-06
2397	80	0.08	-0.56	-0.63	1.12e-04	0.0	6.26e-06
2397	88	0.07	-0.83	-0.60	1.44e-04	0.0	5.64e-06
2397	98	0.07	-0.12	-0.51	4.65e-05	0.0	5.18e-06
2397	105	0.07	-0.25	-0.50	6.33e-05	0.0	4.99e-06
2397	107	0.07	-0.11	-0.49	4.45e-05	0.0	4.94e-06
2397	111	-6.08	1.70	-2.26	-6.80e-05	0.0	4.28e-04
2397	112	7.67	-2.22	1.12	2.12e-04	0.0	-4.27e-04
2397	129	4.32	-8.03	-1.13	1.10e-03	0.0	3.62e-05
2397	143	-6.86	1.93	-2.48	-8.21e-05	0.0	4.82e-04
2397	144	8.64	-2.49	1.32	2.33e-04	0.0	-4.82e-04
2397	161	4.87	-9.04	-1.21	1.23e-03	0.0	3.96e-05
2397	175	-6.87	1.89	-2.45	-6.95e-05	0.0	4.78e-04
2397	176	8.67	-2.49	1.29	2.24e-04	0.0	-4.80e-04
2397	193	4.96	-9.01	-1.19	1.22e-03	0.0	3.30e-05
2397	207	-8.10	2.23	-2.77	-8.37e-05	0.0	5.59e-04
2397	208	10.20	-2.91	1.59	2.52e-04	0.0	-5.65e-04
2397	225	5.90	-10.56	-1.29	1.42e-03	0.0	3.31e-05

2398	4	0.17	0.46	-0.75	-1.68e-05	1.09e-04	-9.26e-06
2398	28	0.16	-0.90	-0.86	1.57e-04	1.14e-04	-9.87e-06
2398	44	0.14	-1.33	-0.81	2.07e-04	1.02e-04	-8.24e-06
2398	68	0.12	0.30	-0.53	-8.18e-06	7.67e-05	-6.17e-06
2398	80	0.12	-0.61	-0.61	1.08e-04	8.00e-05	-6.58e-06
2398	88	0.10	-0.89	-0.57	1.41e-04	7.24e-05	-5.50e-06
2398	98	0.10	-0.13	-0.48	4.26e-05	6.54e-05	-4.66e-06
2398	105	0.10	-0.28	-0.47	6.00e-05	6.31e-05	-4.34e-06
2398	107	0.10	-0.12	-0.46	4.10e-05	6.25e-05	-4.23e-06
2398	112	8.14	-3.38	-0.07	-7.35e-04	7.57e-04	-5.14e-04
2398	129	4.58	-8.88	-1.08	1.26e-03	5.38e-04	-3.16e-04
2398	144	9.17	-3.79	-0.03	-8.32e-04	8.45e-04	-5.79e-04
2398	161	5.17	-9.99	-1.15	1.41e-03	5.99e-04	-3.57e-04
2398	176	9.20	-3.78	-0.04	-8.02e-04	8.41e-04	-5.76e-04
2398	193	5.26	-9.99	-1.15	1.40e-03	6.03e-04	-3.60e-04
2398	208	10.81	-4.42	0.02	-9.33e-04	9.76e-04	-6.76e-04
2398	225	6.25	-11.72	-1.26	1.64e-03	7.03e-04	-4.29e-04
2399	4	0.17	0.46	-0.79	-5.34e-06	0.0	1.77e-06
2399	28	0.16	-0.90	-0.91	1.68e-04	0.0	1.49e-06
2399	44	0.14	-1.33	-0.85	2.15e-04	0.0	0.0
2399	68	0.12	0.30	-0.56	0.0	0.0	1.41e-06
2399	80	0.12	-0.61	-0.64	1.15e-04	0.0	1.22e-06
2399	88	0.10	-0.89	-0.60	1.47e-04	0.0	0.0
2399	98	0.10	-0.13	-0.51	4.93e-05	0.0	1.78e-06
2399	105	0.10	-0.28	-0.50	6.61e-05	0.0	1.60e-06
2399	107	0.10	-0.13	-0.49	4.73e-05	0.0	1.78e-06
2399	112	8.14	-3.16	-0.06	3.15e-04	0.0	-4.84e-04
2399	127	0.49	-5.86	-1.18	8.86e-04	0.0	2.91e-04
2399	129	4.59	-8.81	-1.00	1.19e-03	0.0	2.46e-05
2399	144	9.17	-3.55	-7.19e-03	3.49e-04	0.0	-5.45e-04
2399	159	0.55	-6.58	-1.27	9.91e-04	0.0	3.28e-04
2399	161	5.17	-9.92	-1.07	1.33e-03	0.0	2.72e-05
2399	176	9.20	-3.53	-0.04	3.36e-04	0.0	-5.43e-04
2399	191	0.56	-6.56	-1.25	9.88e-04	0.0	3.26e-04
2399	193	5.26	-9.91	-1.07	1.32e-03	0.0	2.18e-05
2399	208	10.81	-4.14	0.03	3.81e-04	0.0	-6.37e-04
2399	223	0.65	-7.65	-1.37	1.15e-03	0.0	3.83e-04
2399	225	6.26	-11.62	-1.17	1.54e-03	0.0	2.12e-05
2400	28	0.22	-0.96	-0.93	1.74e-04	1.28e-04	1.38e-05
2400	44	0.19	-1.41	-0.87	2.19e-04	1.13e-04	1.11e-05
2400	52	0.23	-0.23	-0.87	9.26e-05	1.25e-04	1.83e-05
2400	80	0.16	-0.65	-0.65	1.20e-04	8.95e-05	1.10e-05
2400	88	0.14	-0.95	-0.61	1.49e-04	7.94e-05	9.20e-06
2400	92	0.16	-0.16	-0.61	6.56e-05	8.73e-05	1.40e-05
2400	98	0.13	-0.14	-0.51	5.52e-05	7.17e-05	1.34e-05
2400	105	0.13	-0.29	-0.51	7.11e-05	6.86e-05	1.25e-05
2400	107	0.13	-0.13	-0.49	5.29e-05	6.79e-05	1.35e-05
2400	112	8.61	-3.53	-0.10	-6.59e-04	7.04e-04	-5.33e-04
2400	129	4.86	-9.54	-1.13	1.18e-03	4.97e-04	-3.43e-04
2400	144	9.69	-3.97	-0.05	-7.48e-04	7.84e-04	-6.02e-04
2400	161	5.47	-10.73	-1.21	1.32e-03	5.52e-04	-3.90e-04
2400	176	9.72	-3.95	-0.07	-7.20e-04	7.81e-04	-5.95e-04
2400	193	5.56	-10.72	-1.21	1.31e-03	5.56e-04	-3.94e-04
2400	208	11.42	-4.62	-3.84e-03	-8.40e-04	9.05e-04	-6.98e-04
2400	225	6.61	-12.58	-1.33	1.52e-03	6.47e-04	-4.72e-04
2401	28	0.23	-0.99	-0.93	1.83e-04	0.0	1.90e-05
2401	44	0.20	-1.44	-0.87	2.26e-04	0.0	1.49e-05
2401	52	0.23	-0.27	-0.87	1.01e-04	0.0	2.19e-05
2401	80	0.16	-0.67	-0.66	1.26e-04	0.0	1.38e-05
2401	88	0.14	-0.97	-0.62	1.55e-04	0.0	1.10e-05
2401	92	0.16	-0.19	-0.62	7.17e-05	0.0	1.56e-05
2401	98	0.14	-0.16	-0.52	6.02e-05	0.0	1.37e-05
2401	105	0.13	-0.31	-0.51	7.58e-05	0.0	1.26e-05
2401	107	0.13	-0.15	-0.50	5.76e-05	0.0	1.32e-05
2401	112	8.61	-3.30	-0.07	3.10e-04	0.0	-5.26e-04
2401	127	0.55	-6.29	-1.20	8.59e-04	0.0	-3.22e-05
2401	129	4.86	-9.39	-1.02	1.15e-03	0.0	-3.31e-04
2401	144	9.69	-3.71	-0.01	3.42e-04	0.0	-5.94e-04
2401	159	0.61	-7.06	-1.29	9.60e-04	0.0	-3.85e-05
2401	161	5.47	-10.56	-1.09	1.29e-03	0.0	-3.76e-04
2401	176	9.72	-3.69	-0.04	3.30e-04	0.0	-5.88e-04
2401	191	0.62	-7.04	-1.27	9.57e-04	0.0	-4.10e-05
2401	193	5.56	-10.55	-1.09	1.28e-03	0.0	-3.80e-04
2401	208	11.42	-4.31	0.02	3.72e-04	0.0	-6.91e-04
2401	223	0.72	-8.21	-1.39	1.11e-03	0.0	-5.36e-05

2401	225	6.61	-12.37	-1.19	1.48e-03	0.0	-4.56e-04
2402	28	0.30	-1.08	-1.04	2.43e-04	1.31e-04	0.0
2402	44	0.26	-1.55	-0.97	2.58e-04	1.06e-04	0.0
2402	52	0.30	-0.32	-0.98	1.85e-04	1.27e-04	-1.17e-06
2402	80	0.21	-0.73	-0.73	1.69e-04	8.76e-05	0.0
2402	88	0.18	-1.05	-0.69	1.80e-04	7.08e-05	0.0
2402	92	0.21	-0.23	-0.69	1.31e-04	8.50e-05	0.0
2402	98	0.17	-0.19	-0.58	1.12e-04	6.66e-05	0.0
2402	105	0.17	-0.35	-0.57	1.20e-04	6.13e-05	0.0
2402	107	0.17	-0.18	-0.55	1.07e-04	6.04e-05	0.0
2402	112	9.01	-3.69	-0.16	-3.44e-04	5.56e-04	-5.60e-04
2402	129	5.07	-10.06	-1.21	8.42e-04	3.85e-04	-3.52e-04
2402	144	10.13	-4.14	-0.11	-4.00e-04	6.19e-04	-6.31e-04
2402	161	5.71	-11.31	-1.29	9.34e-04	4.26e-04	-3.98e-04
2402	176	10.16	-4.11	-0.12	-3.82e-04	6.17e-04	-6.25e-04
2402	193	5.81	-11.30	-1.29	9.26e-04	4.31e-04	-4.02e-04
2402	208	11.93	-4.80	-0.06	-4.57e-04	7.14e-04	-7.32e-04
2402	225	6.89	-13.25	-1.41	1.06e-03	5.01e-04	-4.80e-04
2403	28	0.30	-1.09	-0.97	1.70e-04	0.0	1.47e-06
2403	44	0.26	-1.56	-0.91	1.94e-04	0.0	2.31e-06
2403	52	0.30	-0.33	-0.91	1.14e-04	0.0	0.0
2403	80	0.21	-0.74	-0.68	1.18e-04	0.0	0.0
2403	88	0.18	-1.05	-0.64	1.34e-04	0.0	1.48e-06
2403	92	0.21	-0.23	-0.64	8.06e-05	0.0	0.0
2403	98	0.17	-0.19	-0.54	6.90e-05	0.0	0.0
2403	105	0.17	-0.35	-0.53	7.85e-05	0.0	0.0
2403	107	0.17	-0.19	-0.52	6.60e-05	0.0	0.0
2403	112	9.00	-3.45	-0.09	-3.43e-04	0.0	-5.39e-04
2403	127	0.59	-6.71	-1.23	7.71e-04	0.0	-3.84e-05
2403	129	5.07	-9.95	-1.05	7.75e-04	0.0	-3.34e-04
2403	144	10.13	-3.87	-0.03	-3.94e-04	0.0	-6.07e-04
2403	159	0.65	-7.54	-1.31	8.59e-04	0.0	-4.37e-05
2403	161	5.71	-11.19	-1.11	8.64e-04	0.0	-3.78e-04
2403	176	10.15	-3.84	-0.06	-3.76e-04	0.0	-6.01e-04
2403	191	0.67	-7.52	-1.30	8.48e-04	0.0	-4.51e-05
2403	193	5.81	-11.17	-1.12	8.55e-04	0.0	-3.80e-04
2403	208	11.92	-4.49	4.08e-03	-4.44e-04	0.0	-7.04e-04
2403	223	0.76	-8.76	-1.42	9.77e-04	0.0	-5.56e-05
2403	225	6.89	-13.09	-1.22	9.87e-04	0.0	-4.53e-04
2404	4	0.17	0.46	-0.81	0.0	0.0	7.06e-06
2404	28	0.16	-0.90	-0.93	1.72e-04	0.0	7.34e-06
2404	44	0.14	-1.33	-0.88	2.19e-04	0.0	5.89e-06
2404	68	0.12	0.30	-0.58	3.12e-06	0.0	5.03e-06
2404	80	0.12	-0.61	-0.66	1.18e-04	0.0	5.22e-06
2404	88	0.10	-0.90	-0.63	1.49e-04	0.0	4.25e-06
2404	98	0.10	-0.13	-0.53	5.19e-05	0.0	4.90e-06
2404	105	0.10	-0.28	-0.52	6.85e-05	0.0	4.53e-06
2404	107	0.10	-0.13	-0.51	4.97e-05	0.0	4.67e-06
2404	112	8.14	-2.94	0.15	2.85e-04	0.0	-4.71e-04
2404	127	0.49	-5.91	-1.37	8.58e-04	0.0	2.89e-04
2404	129	4.59	-8.74	-1.07	1.14e-03	0.0	2.78e-05
2404	144	9.17	-3.31	0.24	3.15e-04	0.0	-5.32e-04
2404	159	0.55	-6.64	-1.47	9.59e-04	0.0	3.25e-04
2404	161	5.17	-9.83	-1.14	1.28e-03	0.0	3.04e-05
2404	176	9.20	-3.29	0.21	3.04e-04	0.0	-5.29e-04
2404	191	0.56	-6.62	-1.45	9.56e-04	0.0	3.22e-04
2404	193	5.26	-9.82	-1.14	1.27e-03	0.0	2.50e-05
2404	208	10.81	-3.85	0.32	3.44e-04	0.0	-6.21e-04
2404	223	0.65	-7.72	-1.60	1.11e-03	0.0	3.78e-04
2404	225	6.26	-11.51	-1.24	1.47e-03	0.0	2.45e-05
2405	28	0.23	-0.99	-0.94	1.81e-04	0.0	1.11e-05
2405	44	0.20	-1.44	-0.89	2.25e-04	0.0	9.21e-06
2405	52	0.23	-0.27	-0.88	9.76e-05	0.0	1.17e-05
2405	80	0.16	-0.67	-0.67	1.25e-04	0.0	7.86e-06
2405	88	0.14	-0.97	-0.63	1.54e-04	0.0	6.58e-06
2405	92	0.17	-0.19	-0.63	6.89e-05	0.0	8.24e-06
2405	98	0.14	-0.16	-0.53	5.77e-05	0.0	7.06e-06
2405	105	0.13	-0.32	-0.53	7.38e-05	0.0	6.59e-06
2405	107	0.13	-0.16	-0.51	5.52e-05	0.0	6.72e-06
2405	112	8.61	-3.08	0.15	2.81e-04	0.0	-5.05e-04
2405	127	0.55	-6.33	-1.37	8.36e-04	0.0	-2.69e-05
2405	129	4.85	-9.29	-1.07	1.11e-03	0.0	-3.08e-04
2405	144	9.69	-3.45	0.23	3.10e-04	0.0	-5.70e-04
2405	159	0.61	-7.11	-1.48	9.34e-04	0.0	-3.16e-05
2405	161	5.46	-10.45	-1.14	1.24e-03	0.0	-3.49e-04

2405	176	9.72	-3.43	0.21	2.99e-04	0.0	-5.65e-04
2405	191	0.62	-7.09	-1.46	9.30e-04	0.0	-3.26e-05
2405	193	5.56	-10.43	-1.14	1.23e-03	0.0	-3.52e-04
2405	208	11.42	-4.01	0.32	3.37e-04	0.0	-6.64e-04
2405	223	0.71	-8.26	-1.61	1.08e-03	0.0	-4.17e-05
2405	225	6.60	-12.23	-1.24	1.43e-03	0.0	-4.21e-04
2406	28	0.30	-1.09	-0.95	1.57e-04	0.0	-1.73e-06
2406	44	0.26	-1.56	-0.90	1.81e-04	0.0	0.0
2406	52	0.30	-0.33	-0.89	1.03e-04	0.0	-3.87e-06
2406	80	0.21	-0.74	-0.68	1.09e-04	0.0	-1.37e-06
2406	88	0.18	-1.05	-0.64	1.25e-04	0.0	0.0
2406	92	0.21	-0.23	-0.64	7.28e-05	0.0	-2.80e-06
2406	98	0.17	-0.19	-0.54	6.24e-05	0.0	-2.47e-06
2406	105	0.17	-0.35	-0.53	7.18e-05	0.0	-1.91e-06
2406	107	0.17	-0.18	-0.52	5.98e-05	0.0	-2.39e-06
2406	112	9.00	-3.21	0.14	-3.71e-04	0.0	-5.36e-04
2406	127	0.59	-6.75	-1.38	8.20e-04	0.0	-4.07e-05
2406	129	5.07	-9.84	-1.08	8.24e-04	0.0	-3.33e-04
2406	144	10.13	-3.60	0.23	-4.24e-04	0.0	-6.03e-04
2406	159	0.65	-7.57	-1.49	9.16e-04	0.0	-4.60e-05
2406	161	5.71	-11.06	-1.15	9.19e-04	0.0	-3.75e-04
2406	176	10.15	-3.58	0.20	-4.04e-04	0.0	-5.97e-04
2406	191	0.67	-7.55	-1.47	9.03e-04	0.0	-4.73e-05
2406	193	5.81	-11.04	-1.15	9.08e-04	0.0	-3.78e-04
2406	208	11.92	-4.17	0.31	-4.75e-04	0.0	-6.98e-04
2406	223	0.76	-8.79	-1.62	1.04e-03	0.0	-5.76e-05
2406	225	6.89	-12.93	-1.25	1.05e-03	0.0	-4.49e-04
2407	4	0.17	0.45	-0.81	-1.84e-06	0.0	6.94e-06
2407	28	0.17	-0.91	-0.93	1.71e-04	0.0	8.26e-06
2407	44	0.14	-1.33	-0.89	2.18e-04	0.0	7.01e-06
2407	68	0.12	0.29	-0.58	2.25e-06	0.0	4.91e-06
2407	80	0.12	-0.61	-0.66	1.18e-04	0.0	5.79e-06
2407	88	0.10	-0.90	-0.63	1.49e-04	0.0	4.96e-06
2407	98	0.10	-0.14	-0.53	5.11e-05	0.0	4.98e-06
2407	105	0.10	-0.28	-0.53	6.78e-05	0.0	4.69e-06
2407	107	0.10	-0.13	-0.52	4.89e-05	0.0	4.72e-06
2407	111	-6.40	2.13	-1.60	-1.01e-04	0.0	4.63e-04
2407	112	8.15	-2.73	0.43	2.55e-04	0.0	-4.63e-04
2407	129	4.59	-8.67	-1.10	1.10e-03	0.0	2.92e-05
2407	143	-7.22	2.42	-1.73	-1.20e-04	0.0	5.21e-04
2407	144	9.17	-3.07	0.55	2.82e-04	0.0	-5.22e-04
2407	161	5.17	-9.76	-1.17	1.23e-03	0.0	3.20e-05
2407	175	-7.24	2.37	-1.71	-1.06e-04	0.0	5.16e-04
2407	176	9.20	-3.06	0.52	2.72e-04	0.0	-5.19e-04
2407	193	5.26	-9.74	-1.17	1.22e-03	0.0	2.62e-05
2407	207	-8.53	2.79	-1.90	-1.27e-04	0.0	6.04e-04
2407	208	10.81	-3.58	0.68	3.06e-04	0.0	-6.10e-04
2407	225	6.26	-11.41	-1.27	1.42e-03	0.0	2.58e-05
2408	28	0.23	-1.00	-0.93	1.76e-04	0.0	6.20e-06
2408	44	0.20	-1.44	-0.89	2.22e-04	0.0	5.73e-06
2408	52	0.23	-0.28	-0.87	9.16e-05	0.0	5.54e-06
2408	80	0.16	-0.68	-0.66	1.21e-04	0.0	4.27e-06
2408	88	0.14	-0.97	-0.63	1.52e-04	0.0	3.96e-06
2408	92	0.17	-0.20	-0.63	6.47e-05	0.0	3.84e-06
2408	98	0.14	-0.16	-0.54	5.40e-05	0.0	3.21e-06
2408	105	0.13	-0.32	-0.53	7.05e-05	0.0	3.16e-06
2408	107	0.13	-0.16	-0.52	5.17e-05	0.0	3.01e-06
2408	111	-6.71	2.17	-1.60	-9.36e-05	0.0	3.97e-04
2408	112	8.61	-2.85	0.43	2.48e-04	0.0	-4.98e-04
2408	129	4.85	-9.21	-1.10	1.06e-03	0.0	-3.03e-04
2408	143	-7.57	2.47	-1.74	-1.12e-04	0.0	4.47e-04
2408	144	9.69	-3.20	0.55	2.73e-04	0.0	-5.61e-04
2408	161	5.46	-10.35	-1.17	1.19e-03	0.0	-3.42e-04
2408	175	-7.59	2.41	-1.71	-9.91e-05	0.0	4.42e-04
2408	176	9.72	-3.18	0.52	2.64e-04	0.0	-5.56e-04
2408	193	5.56	-10.33	-1.17	1.18e-03	0.0	-3.44e-04
2408	207	-8.95	2.84	-1.90	-1.20e-04	0.0	5.16e-04
2408	208	11.42	-3.72	0.68	2.97e-04	0.0	-6.52e-04
2408	225	6.60	-12.10	-1.27	1.37e-03	0.0	-4.10e-04
2409	28	0.30	-1.09	-0.94	1.57e-04	0.0	-2.44e-06
2409	44	0.26	-1.56	-0.89	1.80e-04	0.0	0.0
2409	52	0.30	-0.32	-0.88	1.04e-04	0.0	-4.92e-06
2409	80	0.21	-0.74	-0.67	1.09e-04	0.0	-1.90e-06
2409	88	0.18	-1.05	-0.64	1.25e-04	0.0	0.0
2409	92	0.21	-0.23	-0.63	7.40e-05	0.0	-3.55e-06

2409	98	0.18	-0.19	-0.54	6.34e-05	0.0	-3.08e-06
2409	105	0.17	-0.35	-0.53	7.25e-05	0.0	-2.43e-06
2409	107	0.17	-0.18	-0.52	6.07e-05	0.0	-2.99e-06
2409	111	-6.96	2.21	-1.60	5.70e-04	0.0	4.16e-04
2409	112	9.00	-2.97	0.42	-3.86e-04	0.0	-5.35e-04
2409	129	5.07	-9.72	-1.11	8.71e-04	0.0	-3.32e-04
2409	143	-7.86	2.51	-1.74	6.34e-04	0.0	4.69e-04
2409	144	10.12	-3.32	0.54	-4.42e-04	0.0	-6.02e-04
2409	161	5.71	-10.93	-1.18	9.72e-04	0.0	-3.75e-04
2409	175	-7.88	2.45	-1.71	6.16e-04	0.0	4.62e-04
2409	176	10.15	-3.31	0.51	-4.21e-04	0.0	-5.96e-04
2409	193	5.81	-10.90	-1.17	9.60e-04	0.0	-3.77e-04
2409	207	-9.29	2.89	-1.90	7.02e-04	0.0	5.40e-04
2409	208	11.92	-3.86	0.68	-4.94e-04	0.0	-6.97e-04
2409	225	6.89	-12.77	-1.27	1.11e-03	0.0	-4.48e-04
2410	4	0.17	0.45	-0.80	-4.86e-06	0.0	5.99e-06
2410	28	0.17	-0.91	-0.91	1.69e-04	0.0	7.93e-06
2410	44	0.14	-1.34	-0.87	2.16e-04	0.0	6.98e-06
2410	68	0.12	0.29	-0.57	0.0	0.0	4.24e-06
2410	80	0.12	-0.62	-0.65	1.16e-04	0.0	5.53e-06
2410	88	0.10	-0.90	-0.62	1.47e-04	0.0	4.90e-06
2410	98	0.10	-0.14	-0.53	4.92e-05	0.0	4.52e-06
2410	105	0.10	-0.28	-0.52	6.61e-05	0.0	4.33e-06
2410	107	0.10	-0.13	-0.51	4.71e-05	0.0	4.28e-06
2410	111	-6.40	1.93	-1.91	-7.88e-05	0.0	4.58e-04
2410	112	8.14	-2.52	0.74	2.23e-04	0.0	-4.59e-04
2410	129	4.59	-8.61	-1.12	1.06e-03	0.0	2.95e-05
2410	143	-7.22	2.19	-2.09	-9.47e-05	0.0	5.16e-04
2410	144	9.17	-2.83	0.89	2.46e-04	0.0	-5.18e-04
2410	161	5.17	-9.69	-1.20	1.18e-03	0.0	3.23e-05
2410	175	-7.24	2.14	-2.06	-8.26e-05	0.0	5.11e-04
2410	176	9.20	-2.82	0.86	2.37e-04	0.0	-5.15e-04
2410	193	5.26	-9.66	-1.19	1.17e-03	0.0	2.64e-05
2410	207	-8.53	2.53	-2.31	-9.98e-05	0.0	5.98e-04
2410	208	10.81	-3.30	1.09	2.67e-04	0.0	-6.05e-04
2410	225	6.26	-11.32	-1.29	1.36e-03	0.0	2.61e-05
2411	28	0.23	-1.00	-0.92	1.71e-04	0.0	4.27e-06
2411	44	0.20	-1.45	-0.88	2.19e-04	0.0	4.40e-06
2411	52	0.24	-0.28	-0.86	8.55e-05	0.0	3.13e-06
2411	80	0.17	-0.68	-0.65	1.18e-04	0.0	2.88e-06
2411	88	0.15	-0.98	-0.63	1.49e-04	0.0	2.97e-06
2411	92	0.17	-0.20	-0.61	6.04e-05	0.0	2.13e-06
2411	98	0.14	-0.16	-0.53	5.04e-05	0.0	1.73e-06
2411	105	0.13	-0.32	-0.52	6.73e-05	0.0	1.85e-06
2411	107	0.13	-0.16	-0.51	4.82e-05	0.0	1.60e-06
2411	111	-6.71	1.96	-1.91	-7.25e-05	0.0	3.92e-04
2411	112	8.62	-2.63	0.73	2.13e-04	0.0	-4.96e-04
2411	129	4.85	-9.12	-1.12	1.01e-03	0.0	-3.01e-04
2411	143	-7.58	2.23	-2.08	-8.77e-05	0.0	4.42e-04
2411	144	9.69	-2.94	0.89	2.34e-04	0.0	-5.59e-04
2411	161	5.47	-10.25	-1.20	1.13e-03	0.0	-3.40e-04
2411	175	-7.59	2.18	-2.05	-7.68e-05	0.0	4.37e-04
2411	176	9.72	-2.93	0.86	2.26e-04	0.0	-5.54e-04
2411	193	5.56	-10.23	-1.19	1.12e-03	0.0	-3.42e-04
2411	207	-8.95	2.57	-2.31	-9.37e-05	0.0	5.10e-04
2411	208	11.42	-3.42	1.08	2.54e-04	0.0	-6.49e-04
2411	225	6.61	-11.97	-1.29	1.30e-03	0.0	-4.08e-04
2412	28	0.30	-1.08	-0.92	1.64e-04	0.0	-2.76e-06
2412	44	0.26	-1.56	-0.88	1.85e-04	0.0	0.0
2412	52	0.30	-0.32	-0.86	1.12e-04	0.0	-5.50e-06
2412	80	0.21	-0.74	-0.66	1.14e-04	0.0	-2.15e-06
2412	88	0.18	-1.05	-0.63	1.28e-04	0.0	0.0
2412	92	0.21	-0.23	-0.62	7.96e-05	0.0	-3.97e-06
2412	98	0.18	-0.19	-0.53	6.81e-05	0.0	-3.43e-06
2412	105	0.17	-0.35	-0.53	7.66e-05	0.0	-2.73e-06
2412	107	0.17	-0.18	-0.51	6.52e-05	0.0	-3.34e-06
2412	111	-6.96	1.99	-1.91	6.06e-04	0.0	4.14e-04
2412	112	9.00	-2.73	0.73	-4.06e-04	0.0	-5.34e-04
2412	129	5.07	-9.61	-1.13	9.32e-04	0.0	-3.32e-04
2412	143	-7.86	2.26	-2.08	6.74e-04	0.0	4.67e-04
2412	144	10.12	-3.05	0.88	-4.65e-04	0.0	-6.01e-04
2412	161	5.71	-10.80	-1.20	1.04e-03	0.0	-3.74e-04
2412	175	-7.87	2.21	-2.05	6.54e-04	0.0	4.60e-04
2412	176	10.15	-3.04	0.85	-4.43e-04	0.0	-5.94e-04
2412	193	5.81	-10.77	-1.19	1.03e-03	0.0	-3.76e-04

2412	207	-9.29	2.61	-2.30	7.45e-04	0.0	5.37e-04
2412	208	11.92	-3.54	1.08	-5.19e-04	0.0	-6.95e-04
2412	225	6.89	-12.61	-1.29	1.19e-03	0.0	-4.47e-04
2413	4	0.17	0.45	-0.75	-7.59e-06	0.0	5.71e-06
2413	28	0.17	-0.92	-0.87	1.66e-04	0.0	7.78e-06
2413	44	0.14	-1.34	-0.84	2.14e-04	0.0	6.91e-06
2413	68	0.12	0.29	-0.54	-1.88e-06	0.0	4.04e-06
2413	80	0.12	-0.62	-0.62	1.14e-04	0.0	5.42e-06
2413	88	0.10	-0.90	-0.60	1.46e-04	0.0	4.84e-06
2413	98	0.10	-0.14	-0.51	4.75e-05	0.0	4.38e-06
2413	105	0.10	-0.29	-0.50	6.45e-05	0.0	4.21e-06
2413	107	0.10	-0.14	-0.49	4.54e-05	0.0	4.14e-06
2413	111	-6.40	1.72	-2.24	-5.88e-05	0.0	4.57e-04
2413	112	8.14	-2.31	1.10	1.94e-04	0.0	-4.59e-04
2413	129	4.59	-8.55	-1.12	1.02e-03	0.0	2.95e-05
2413	143	-7.22	1.96	-2.46	-7.20e-05	0.0	5.15e-04
2413	144	9.17	-2.60	1.30	2.14e-04	0.0	-5.17e-04
2413	161	5.17	-9.62	-1.20	1.14e-03	0.0	3.23e-05
2413	175	-7.24	1.92	-2.43	-6.13e-05	0.0	5.10e-04
2413	176	9.20	-2.59	1.27	2.06e-04	0.0	-5.14e-04
2413	193	5.26	-9.59	-1.19	1.13e-03	0.0	2.64e-05
2413	207	-8.53	2.26	-2.75	-7.52e-05	0.0	5.96e-04
2413	208	10.81	-3.02	1.57	2.31e-04	0.0	-6.04e-04
2413	225	6.26	-11.23	-1.29	1.32e-03	0.0	2.61e-05
2414	28	0.24	-1.00	-0.87	1.67e-04	0.0	3.94e-06
2414	44	0.21	-1.45	-0.84	2.16e-04	0.0	4.18e-06
2414	52	0.24	-0.28	-0.81	8.06e-05	0.0	2.71e-06
2414	80	0.17	-0.68	-0.62	1.15e-04	0.0	2.64e-06
2414	88	0.15	-0.98	-0.60	1.47e-04	0.0	2.81e-06
2414	92	0.17	-0.20	-0.58	5.69e-05	0.0	1.83e-06
2414	98	0.14	-0.16	-0.50	4.74e-05	0.0	1.47e-06
2414	105	0.14	-0.32	-0.50	6.46e-05	0.0	1.62e-06
2414	107	0.14	-0.16	-0.49	4.53e-05	0.0	1.35e-06
2414	111	-6.71	1.74	-2.22	-5.34e-05	0.0	3.92e-04
2414	112	8.62	-2.40	1.08	1.81e-04	0.0	-4.95e-04
2414	129	4.86	-9.04	-1.12	9.61e-04	0.0	-3.01e-04
2414	143	-7.58	1.99	-2.44	-6.59e-05	0.0	4.41e-04
2414	144	9.70	-2.69	1.28	1.99e-04	0.0	-5.58e-04
2414	161	5.47	-10.16	-1.20	1.08e-03	0.0	-3.40e-04
2414	175	-7.59	1.94	-2.40	-5.66e-05	0.0	4.36e-04
2414	176	9.73	-2.68	1.25	1.92e-04	0.0	-5.53e-04
2414	193	5.57	-10.13	-1.18	1.07e-03	0.0	-3.42e-04
2414	207	-8.96	2.29	-2.72	-7.04e-05	0.0	5.09e-04
2414	208	11.43	-3.13	1.54	2.16e-04	0.0	-6.49e-04
2414	225	6.61	-11.85	-1.28	1.24e-03	0.0	-4.07e-04
2415	28	0.30	-1.08	-0.87	1.85e-04	1.05e-04	-6.15e-06
2415	44	0.26	-1.56	-0.84	2.01e-04	8.82e-05	-3.03e-06
2415	52	0.30	-0.32	-0.81	1.34e-04	1.03e-04	-9.68e-06
2415	80	0.21	-0.73	-0.62	1.28e-04	7.16e-05	-4.60e-06
2415	88	0.18	-1.05	-0.60	1.39e-04	6.05e-05	-2.52e-06
2415	92	0.21	-0.22	-0.58	9.47e-05	7.02e-05	-6.94e-06
2415	98	0.18	-0.19	-0.51	8.11e-05	5.61e-05	-5.90e-06
2415	105	0.17	-0.35	-0.50	8.85e-05	5.25e-05	-4.95e-06
2415	107	0.17	-0.18	-0.49	7.72e-05	5.21e-05	-5.73e-06
2415	111	-6.95	1.77	-2.19	6.17e-04	-4.61e-04	4.08e-04
2415	112	9.00	-2.48	1.06	-3.94e-04	5.56e-04	-5.31e-04
2415	129	5.07	-9.49	-1.12	9.60e-04	3.92e-04	-3.31e-04
2415	143	-7.86	2.01	-2.41	6.84e-04	-5.26e-04	4.60e-04
2415	144	10.12	-2.78	1.25	-4.53e-04	6.20e-04	-5.98e-04
2415	161	5.70	-10.67	-1.19	1.07e-03	4.35e-04	-3.72e-04
2415	175	-7.87	1.96	-2.38	6.65e-04	-5.23e-04	4.53e-04
2415	176	10.15	-2.77	1.22	-4.31e-04	6.17e-04	-5.91e-04
2415	193	5.80	-10.64	-1.18	1.06e-03	4.38e-04	-3.74e-04
2415	207	-9.29	2.32	-2.69	7.56e-04	-6.23e-04	5.29e-04
2415	208	11.91	-3.23	1.51	-5.08e-04	7.15e-04	-6.90e-04
2415	225	6.89	-12.45	-1.28	1.22e-03	5.11e-04	-4.44e-04
2416	4	0.03	0.40	-0.52	0.0	3.65e-05	-1.78e-05
2416	28	0.02	-0.59	-0.58	0.0	2.81e-05	-1.85e-05
2416	44	0.02	-0.91	-0.54	0.0	2.19e-05	-1.62e-05
2416	68	0.02	0.27	-0.37	0.0	2.58e-05	-1.25e-05
2416	80	0.02	-0.40	-0.41	0.0	2.02e-05	-1.30e-05
2416	88	0.01	-0.61	-0.38	0.0	1.61e-05	-1.14e-05
2416	98	0.02	-0.05	-0.33	0.0	1.95e-05	-1.07e-05
2416	105	0.01	-0.16	-0.32	0.0	1.78e-05	-1.01e-05
2416	107	0.01	-0.05	-0.31	0.0	1.88e-05	-1.01e-05

2416	112	6.37	-2.75	-0.15	0.0	9.49e-04	-4.79e-04
2416	129	3.56	-6.35	-0.58	0.0	-1.23e-04	-2.92e-04
2416	144	7.18	-3.09	-0.13	0.0	1.07e-03	-5.39e-04
2416	161	4.03	-7.15	-0.61	0.0	-1.40e-04	-3.29e-04
2416	176	7.21	-3.10	-0.14	0.0	1.06e-03	-5.39e-04
2416	193	4.12	-7.17	-0.61	0.0	-1.33e-04	-3.36e-04
2416	208	8.50	-3.65	-0.11	0.0	1.24e-03	-6.33e-04
2416	225	4.92	-8.43	-0.65	0.0	-1.51e-04	-4.01e-04
2417	28	0.03	-0.59	-0.53	0.0	4.50e-05	-1.71e-05
2417	44	0.03	-0.91	-0.48	0.0	3.75e-05	-1.53e-05
2417	52	0.04	-0.10	-0.51	0.0	4.85e-05	-1.65e-05
2417	80	0.02	-0.40	-0.37	0.0	3.21e-05	-1.19e-05
2417	88	0.02	-0.61	-0.34	0.0	2.71e-05	-1.07e-05
2417	92	0.03	-0.07	-0.36	0.0	3.44e-05	-1.15e-05
2417	98	0.02	-0.06	-0.30	0.0	2.90e-05	-9.41e-06
2417	105	0.02	-0.16	-0.29	0.0	2.71e-05	-9.05e-06
2417	107	0.02	-0.05	-0.29	0.0	2.79e-05	-8.92e-06
2417	112	6.63	-2.75	-0.20	0.0	9.84e-04	-4.98e-04
2417	129	3.72	-6.35	-0.43	0.0	-1.08e-04	-3.04e-04
2417	144	7.47	-3.09	-0.19	0.0	1.10e-03	-5.60e-04
2417	161	4.20	-7.15	-0.45	0.0	-1.24e-04	-3.43e-04
2417	176	7.52	-3.10	-0.19	0.0	1.10e-03	-5.60e-04
2417	193	4.30	-7.17	-0.45	0.0	-1.16e-04	-3.51e-04
2417	208	8.86	-3.65	-0.18	0.0	1.29e-03	-6.58e-04
2417	225	5.13	-8.43	-0.47	0.0	-1.33e-04	-4.19e-04
2418	4	0.05	0.42	-0.57	0.0	5.41e-05	-2.40e-05
2418	28	0.04	-0.67	-0.63	0.0	5.00e-05	-2.53e-05
2418	44	0.03	-1.01	-0.58	0.0	4.31e-05	-2.24e-05
2418	68	0.03	0.28	-0.40	0.0	3.83e-05	-1.69e-05
2418	80	0.03	-0.45	-0.44	0.0	3.56e-05	-1.77e-05
2418	88	0.02	-0.68	-0.41	0.0	3.10e-05	-1.58e-05
2418	98	0.03	-0.07	-0.35	0.0	3.12e-05	-1.44e-05
2418	105	0.03	-0.19	-0.34	0.0	2.95e-05	-1.38e-05
2418	107	0.03	-0.07	-0.34	0.0	3.00e-05	-1.37e-05
2418	112	6.85	-2.90	-0.16	0.0	9.56e-04	-5.08e-04
2418	129	3.85	-6.99	-0.63	0.0	-9.46e-05	-3.12e-04
2418	144	7.72	-3.27	-0.14	0.0	1.07e-03	-5.71e-04
2418	161	4.35	-7.87	-0.67	0.0	-1.09e-04	-3.52e-04
2418	176	7.76	-3.27	-0.15	0.0	1.07e-03	-5.72e-04
2418	193	4.44	-7.88	-0.66	0.0	-1.02e-04	-3.58e-04
2418	208	9.14	-3.84	-0.12	0.0	1.25e-03	-6.70e-04
2418	225	5.30	-9.26	-0.72	0.0	-1.17e-04	-4.26e-04
2419	4	0.07	0.42	-0.52	0.0	6.11e-05	-2.44e-05
2419	28	0.06	-0.67	-0.56	0.0	5.72e-05	-2.74e-05
2419	44	0.05	-1.01	-0.51	0.0	4.93e-05	-2.47e-05
2419	68	0.05	0.28	-0.37	0.0	4.32e-05	-1.71e-05
2419	80	0.04	-0.45	-0.40	0.0	4.06e-05	-1.91e-05
2419	88	0.03	-0.68	-0.36	0.0	3.53e-05	-1.73e-05
2419	98	0.04	-0.07	-0.32	0.0	3.53e-05	-1.51e-05
2419	105	0.03	-0.19	-0.31	0.0	3.34e-05	-1.46e-05
2419	107	0.04	-0.07	-0.30	0.0	3.39e-05	-1.43e-05
2419	112	7.13	-2.90	-0.21	0.0	9.73e-04	-5.38e-04
2419	129	4.01	-6.99	-0.46	0.0	-8.69e-05	-3.33e-04
2419	144	8.04	-3.27	-0.20	0.0	1.09e-03	-6.04e-04
2419	161	4.53	-7.87	-0.48	0.0	-1.01e-04	-3.74e-04
2419	176	8.08	-3.27	-0.20	0.0	1.09e-03	-6.04e-04
2419	193	4.63	-7.88	-0.48	0.0	-9.40e-05	-3.82e-04
2419	208	9.52	-3.84	-0.19	0.0	1.27e-03	-7.08e-04
2419	225	5.53	-9.26	-0.51	0.0	-1.08e-04	-4.55e-04
2420	4	0.08	0.44	-0.61	0.0	7.33e-05	-2.44e-05
2420	28	0.07	-0.74	-0.67	0.0	7.32e-05	-2.56e-05
2420	44	0.06	-1.12	-0.62	0.0	6.51e-05	-2.24e-05
2420	68	0.06	0.29	-0.43	0.0	5.19e-05	-1.71e-05
2420	80	0.05	-0.50	-0.47	0.0	5.18e-05	-1.78e-05
2420	88	0.04	-0.75	-0.44	0.0	4.65e-05	-1.57e-05
2420	98	0.05	-0.09	-0.38	0.0	4.37e-05	-1.44e-05
2420	105	0.04	-0.22	-0.37	0.0	4.19e-05	-1.38e-05
2420	107	0.05	-0.09	-0.36	0.0	4.19e-05	-1.37e-05
2420	109	7.34	-6.45	-0.31	0.0	9.57e-04	-5.27e-04
2420	129	4.13	-7.63	-0.68	0.0	5.54e-04	-3.26e-04
2420	141	8.27	-7.26	-0.31	0.0	1.07e-03	-5.92e-04
2420	161	4.67	-8.58	-0.72	0.0	6.20e-04	-3.67e-04
2420	176	8.31	-3.44	-0.15	0.0	1.07e-03	-5.94e-04
2420	193	4.76	-8.59	-0.71	0.0	6.23e-04	-3.73e-04
2420	208	9.78	-4.04	-0.12	0.0	1.25e-03	-6.97e-04

2420	225	5.67	-10.10	-0.77	0.0	7.30e-04	-4.44e-04
2421	4	0.10	0.44	-0.55	0.0	7.42e-05	-2.77e-05
2421	28	0.09	-0.74	-0.59	0.0	7.36e-05	-3.07e-05
2421	44	0.08	-1.12	-0.54	0.0	6.50e-05	-2.74e-05
2421	68	0.07	0.28	-0.39	0.0	5.24e-05	-1.93e-05
2421	80	0.07	-0.50	-0.42	0.0	5.20e-05	-2.14e-05
2421	88	0.06	-0.75	-0.38	0.0	4.63e-05	-1.92e-05
2421	98	0.06	-0.09	-0.34	0.0	4.38e-05	-1.69e-05
2421	105	0.05	-0.22	-0.33	0.0	4.18e-05	-1.62e-05
2421	107	0.06	-0.09	-0.32	0.0	4.20e-05	-1.60e-05
2421	112	7.63	-3.06	-0.22	0.0	9.56e-04	-5.61e-04
2421	129	4.30	-7.63	-0.49	0.0	5.54e-04	-3.50e-04
2421	144	8.59	-3.44	-0.21	0.0	1.07e-03	-6.31e-04
2421	161	4.85	-8.59	-0.51	0.0	6.20e-04	-3.93e-04
2421	176	8.64	-3.44	-0.21	0.0	1.07e-03	-6.30e-04
2421	193	4.96	-8.59	-0.51	0.0	6.24e-04	-4.01e-04
2421	208	10.17	-4.04	-0.20	0.0	1.25e-03	-7.38e-04
2421	225	5.91	-10.10	-0.54	0.0	7.32e-04	-4.78e-04
2422	4	0.13	0.45	-0.65	0.0	9.09e-05	-2.24e-05
2422	28	0.12	-0.82	-0.72	0.0	9.39e-05	-2.33e-05
2422	44	0.10	-1.23	-0.66	0.0	8.43e-05	-2.01e-05
2422	68	0.09	0.29	-0.46	0.0	6.43e-05	-1.55e-05
2422	80	0.08	-0.56	-0.51	0.0	6.63e-05	-1.62e-05
2422	88	0.07	-0.83	-0.47	0.0	5.99e-05	-1.40e-05
2422	98	0.07	-0.11	-0.40	0.0	5.47e-05	-1.29e-05
2422	105	0.07	-0.25	-0.39	0.0	5.27e-05	-1.22e-05
2422	107	0.07	-0.11	-0.39	0.0	5.24e-05	-1.22e-05
2422	112	7.84	-3.22	-0.18	0.0	9.48e-04	-5.41e-04
2422	129	4.42	-8.27	-0.73	0.0	5.39e-04	-3.34e-04
2422	144	8.82	-3.62	-0.15	0.0	1.06e-03	-6.08e-04
2422	161	4.98	-9.31	-0.77	0.0	6.02e-04	-3.76e-04
2422	176	8.86	-3.61	-0.16	0.0	1.06e-03	-6.07e-04
2422	193	5.08	-9.31	-0.76	0.0	6.05e-04	-3.82e-04
2422	208	10.42	-4.23	-0.13	0.0	1.23e-03	-7.11e-04
2422	225	6.05	-10.93	-0.83	0.0	7.08e-04	-4.55e-04
2423	4	0.14	0.45	-0.58	0.0	8.81e-05	-2.69e-05
2423	28	0.14	-0.82	-0.62	0.0	9.07e-05	-2.95e-05
2423	44	0.12	-1.23	-0.57	0.0	8.09e-05	-2.58e-05
2423	68	0.10	0.29	-0.41	0.0	6.21e-05	-1.87e-05
2423	80	0.10	-0.56	-0.44	0.0	6.39e-05	-2.04e-05
2423	88	0.08	-0.83	-0.40	0.0	5.73e-05	-1.79e-05
2423	98	0.08	-0.11	-0.35	0.0	5.26e-05	-1.61e-05
2423	105	0.08	-0.25	-0.34	0.0	5.05e-05	-1.53e-05
2423	107	0.08	-0.11	-0.34	0.0	5.02e-05	-1.51e-05
2423	112	8.12	-3.22	-0.23	0.0	9.29e-04	-5.71e-04
2423	129	4.58	-8.27	-0.52	0.0	5.26e-04	-3.58e-04
2423	144	9.14	-3.62	-0.22	0.0	1.04e-03	-6.41e-04
2423	161	5.16	-9.31	-0.54	0.0	5.87e-04	-4.03e-04
2423	176	9.18	-3.61	-0.22	0.0	1.04e-03	-6.39e-04
2423	193	5.27	-9.31	-0.54	0.0	5.92e-04	-4.10e-04
2423	208	10.81	-4.23	-0.20	0.0	1.21e-03	-7.48e-04
2423	225	6.28	-10.93	-0.57	0.0	6.94e-04	-4.88e-04
2424	28	0.04	-0.59	-0.48	0.0	5.88e-05	-1.53e-05
2424	44	0.03	-0.91	-0.43	0.0	5.04e-05	-1.41e-05
2424	52	0.05	-0.10	-0.47	0.0	6.14e-05	-1.42e-05
2424	80	0.03	-0.40	-0.34	0.0	4.18e-05	-1.06e-05
2424	88	0.02	-0.61	-0.30	0.0	3.61e-05	-9.80e-06
2424	92	0.03	-0.07	-0.33	0.0	4.35e-05	-9.87e-06
2424	98	0.03	-0.06	-0.28	0.0	3.65e-05	-8.04e-06
2424	105	0.02	-0.16	-0.27	0.0	3.44e-05	-7.85e-06
2424	107	0.03	-0.05	-0.26	0.0	3.50e-05	-7.60e-06
2424	112	6.90	-2.75	-0.22	0.0	1.02e-03	-4.96e-04
2424	129	3.87	-6.35	-0.34	0.0	-8.87e-05	-3.05e-04
2424	144	7.77	-3.10	-0.21	0.0	1.15e-03	-5.58e-04
2424	161	4.37	-7.15	-0.35	0.0	-1.03e-04	-3.44e-04
2424	176	7.82	-3.10	-0.22	0.0	1.14e-03	-5.58e-04
2424	193	4.48	-7.17	-0.35	0.0	-9.55e-05	-3.51e-04
2424	208	9.22	-3.65	-0.21	0.0	1.34e-03	-6.56e-04
2424	225	5.35	-8.44	-0.36	0.0	-1.09e-04	-4.20e-04
2425	28	0.07	-0.67	-0.51	0.0	6.60e-05	-2.55e-05
2425	44	0.06	-1.01	-0.46	0.0	5.72e-05	-2.37e-05
2425	52	0.08	-0.12	-0.50	0.0	6.77e-05	-2.33e-05
2425	80	0.05	-0.45	-0.36	0.0	4.67e-05	-1.77e-05
2425	88	0.04	-0.68	-0.32	0.0	4.09e-05	-1.65e-05
2425	92	0.06	-0.09	-0.35	0.0	4.79e-05	-1.62e-05

2425	98	0.05	-0.07	-0.29	0.0	4.01e-05	-1.33e-05
2425	105	0.04	-0.19	-0.28	0.0	3.80e-05	-1.31e-05
2425	107	0.04	-0.07	-0.28	0.0	3.84e-05	-1.26e-05
2425	112	7.42	-2.91	-0.23	0.0	9.96e-04	-5.39e-04
2425	129	4.17	-6.99	-0.36	0.0	-7.30e-05	-3.36e-04
2425	144	8.36	-3.27	-0.23	0.0	1.12e-03	-6.06e-04
2425	161	4.71	-7.87	-0.38	0.0	-8.62e-05	-3.79e-04
2425	176	8.41	-3.27	-0.23	0.0	1.12e-03	-6.05e-04
2425	193	4.82	-7.88	-0.37	0.0	-7.90e-05	-3.87e-04
2425	208	9.90	-3.84	-0.22	0.0	1.30e-03	-7.10e-04
2425	225	5.76	-9.27	-0.39	0.0	-9.12e-05	-4.61e-04
2426	28	0.11	-0.75	-0.54	0.0	7.63e-05	-3.04e-05
2426	44	0.09	-1.12	-0.48	0.0	6.70e-05	-2.82e-05
2426	52	0.12	-0.16	-0.53	0.0	7.69e-05	-2.79e-05
2426	80	0.08	-0.50	-0.38	0.0	5.38e-05	-2.11e-05
2426	88	0.07	-0.75	-0.34	0.0	4.77e-05	-1.96e-05
2426	92	0.08	-0.11	-0.37	0.0	5.42e-05	-1.94e-05
2426	98	0.07	-0.09	-0.31	0.0	4.52e-05	-1.58e-05
2426	105	0.06	-0.22	-0.30	0.0	4.31e-05	-1.55e-05
2426	107	0.07	-0.09	-0.30	0.0	4.32e-05	-1.50e-05
2426	112	7.92	-3.06	-0.24	0.0	9.59e-04	-5.66e-04
2426	129	4.46	-7.63	-0.39	0.0	5.55e-04	-3.57e-04
2426	144	8.92	-3.44	-0.24	0.0	1.08e-03	-6.37e-04
2426	161	5.04	-8.59	-0.40	0.0	6.21e-04	-4.02e-04
2426	176	8.97	-3.44	-0.24	0.0	1.07e-03	-6.35e-04
2426	193	5.15	-8.59	-0.40	0.0	6.27e-04	-4.10e-04
2426	208	10.57	-4.04	-0.23	0.0	1.25e-03	-7.44e-04
2426	225	6.15	-10.10	-0.41	0.0	7.36e-04	-4.88e-04
2427	28	0.15	-0.83	-0.57	0.0	8.80e-05	-3.02e-05
2427	44	0.13	-1.23	-0.51	0.0	7.79e-05	-2.77e-05
2427	52	0.16	-0.19	-0.56	0.0	8.72e-05	-2.79e-05
2427	80	0.11	-0.56	-0.40	0.0	6.19e-05	-2.09e-05
2427	88	0.09	-0.83	-0.36	0.0	5.52e-05	-1.92e-05
2427	92	0.11	-0.13	-0.39	0.0	6.14e-05	-1.94e-05
2427	98	0.09	-0.11	-0.33	0.0	5.10e-05	-1.57e-05
2427	105	0.09	-0.25	-0.31	0.0	4.89e-05	-1.53e-05
2427	107	0.09	-0.11	-0.31	0.0	4.87e-05	-1.48e-05
2427	112	8.41	-3.22	-0.25	0.0	9.17e-04	-5.78e-04
2427	129	4.74	-8.27	-0.41	0.0	5.19e-04	-3.67e-04
2427	144	9.46	-3.62	-0.25	0.0	1.03e-03	-6.50e-04
2427	161	5.35	-9.31	-0.42	0.0	5.80e-04	-4.14e-04
2427	176	9.51	-3.61	-0.25	0.0	1.02e-03	-6.47e-04
2427	193	5.47	-9.31	-0.42	0.0	5.86e-04	-4.21e-04
2427	208	11.20	-4.23	-0.24	0.0	1.20e-03	-7.58e-04
2427	225	6.52	-10.93	-0.44	0.0	6.88e-04	-5.01e-04
2428	28	0.05	-0.59	-0.46	0.0	7.08e-05	-1.45e-05
2428	44	0.04	-0.91	-0.40	0.0	6.22e-05	-1.43e-05
2428	52	0.05	-0.10	-0.45	0.0	7.17e-05	-1.23e-05
2428	80	0.04	-0.40	-0.32	0.0	5.01e-05	-1.00e-05
2428	88	0.03	-0.61	-0.28	0.0	4.43e-05	-9.87e-06
2428	92	0.04	-0.07	-0.32	0.0	5.07e-05	-8.55e-06
2428	98	0.03	-0.06	-0.26	0.0	4.24e-05	-6.97e-06
2428	105	0.03	-0.16	-0.25	0.0	4.04e-05	-7.08e-06
2428	107	0.03	-0.05	-0.25	0.0	4.06e-05	-6.58e-06
2428	112	7.16	-2.75	-0.23	0.0	1.05e-03	-4.88e-04
2428	127	0.30	-3.91	-0.29	0.0	-5.81e-04	-3.37e-05
2428	129	4.02	-6.35	-0.29	0.0	-6.95e-05	-3.01e-04
2428	144	8.07	-3.10	-0.23	0.0	1.18e-03	-5.49e-04
2428	161	4.54	-7.15	-0.29	0.0	-8.25e-05	-3.39e-04
2428	176	8.12	-3.10	-0.23	0.0	1.18e-03	-5.48e-04
2428	193	4.66	-7.17	-0.29	0.0	-7.49e-05	-3.47e-04
2428	208	9.58	-3.65	-0.22	0.0	1.38e-03	-6.44e-04
2428	225	5.57	-8.44	-0.30	0.0	-8.64e-05	-4.14e-04
2429	28	0.09	-0.67	-0.49	0.0	7.42e-05	-2.36e-05
2429	44	0.08	-1.01	-0.43	0.0	6.51e-05	-2.37e-05
2429	52	0.09	-0.13	-0.48	0.0	7.49e-05	-1.94e-05
2429	80	0.06	-0.45	-0.34	0.0	5.24e-05	-1.63e-05
2429	88	0.05	-0.68	-0.30	0.0	4.63e-05	-1.63e-05
2429	92	0.07	-0.09	-0.34	0.0	5.29e-05	-1.35e-05
2429	98	0.05	-0.07	-0.28	0.0	4.42e-05	-1.10e-05
2429	105	0.05	-0.19	-0.27	0.0	4.21e-05	-1.13e-05
2429	107	0.05	-0.07	-0.27	0.0	4.23e-05	-1.04e-05
2429	112	7.70	-2.91	-0.24	0.0	1.02e-03	-5.28e-04
2429	129	4.33	-6.99	-0.31	0.0	5.97e-04	-3.32e-04
2429	144	8.67	-3.27	-0.24	0.0	1.14e-03	-5.94e-04

2429	161	4.89	-7.87	-0.31	0.0	6.68e-04	-3.74e-04
2429	176	8.73	-3.27	-0.24	0.0	1.14e-03	-5.93e-04
2429	193	5.01	-7.88	-0.31	0.0	6.76e-04	-3.81e-04
2429	208	10.29	-3.84	-0.24	0.0	1.34e-03	-6.95e-04
2429	225	5.99	-9.27	-0.32	0.0	7.95e-04	-4.55e-04
2430	28	0.13	-0.75	-0.51	0.0	7.94e-05	-2.85e-05
2430	44	0.11	-1.12	-0.45	0.0	6.98e-05	-2.87e-05
2430	52	0.13	-0.16	-0.51	0.0	7.97e-05	-2.34e-05
2430	80	0.09	-0.50	-0.36	0.0	5.60e-05	-1.97e-05
2430	88	0.08	-0.75	-0.32	0.0	4.96e-05	-1.98e-05
2430	92	0.09	-0.11	-0.36	0.0	5.62e-05	-1.63e-05
2430	98	0.08	-0.09	-0.30	0.0	4.68e-05	-1.33e-05
2430	105	0.07	-0.22	-0.28	0.0	4.47e-05	-1.37e-05
2430	107	0.07	-0.09	-0.28	0.0	4.47e-05	-1.26e-05
2430	112	8.21	-3.06	-0.25	0.0	9.67e-04	-5.57e-04
2430	129	4.63	-7.63	-0.33	0.0	5.59e-04	-3.54e-04
2430	144	9.25	-3.44	-0.25	0.0	1.08e-03	-6.26e-04
2430	161	5.22	-8.59	-0.33	0.0	6.25e-04	-3.99e-04
2430	176	9.31	-3.44	-0.25	0.0	1.08e-03	-6.24e-04
2430	193	5.35	-8.60	-0.33	0.0	6.32e-04	-4.06e-04
2430	208	10.96	-4.04	-0.25	0.0	1.27e-03	-7.31e-04
2430	225	6.38	-10.10	-0.34	0.0	7.43e-04	-4.84e-04
2431	28	0.17	-0.83	-0.54	0.0	8.54e-05	-2.86e-05
2431	44	0.15	-1.23	-0.48	0.0	7.53e-05	-2.85e-05
2431	52	0.18	-0.19	-0.53	0.0	8.53e-05	-2.36e-05
2431	80	0.12	-0.56	-0.38	0.0	6.01e-05	-1.97e-05
2431	88	0.11	-0.83	-0.34	0.0	5.34e-05	-1.97e-05
2431	92	0.12	-0.13	-0.37	0.0	6.00e-05	-1.64e-05
2431	98	0.10	-0.11	-0.31	0.0	4.99e-05	-1.34e-05
2431	105	0.10	-0.25	-0.30	0.0	4.77e-05	-1.38e-05
2431	107	0.10	-0.11	-0.30	0.0	4.76e-05	-1.27e-05
2431	112	8.70	-3.22	-0.27	0.0	9.10e-04	-5.72e-04
2431	129	4.90	-8.27	-0.34	0.0	5.17e-04	-3.66e-04
2431	144	9.79	-3.62	-0.26	0.0	1.02e-03	-6.43e-04
2431	161	5.53	-9.31	-0.35	0.0	5.77e-04	-4.12e-04
2431	176	9.85	-3.61	-0.27	0.0	1.02e-03	-6.40e-04
2431	193	5.66	-9.31	-0.35	0.0	5.85e-04	-4.19e-04
2431	208	11.60	-4.23	-0.26	0.0	1.19e-03	-7.49e-04
2431	225	6.75	-10.93	-0.36	0.0	6.87e-04	-4.99e-04
2432	28	0.06	-0.59	-0.44	0.0	8.08e-05	-1.49e-05
2432	44	0.05	-0.91	-0.39	0.0	7.32e-05	-1.61e-05
2432	52	0.06	-0.10	-0.44	0.0	7.87e-05	-1.09e-05
2432	80	0.04	-0.40	-0.31	0.0	5.70e-05	-1.03e-05
2432	88	0.04	-0.61	-0.27	0.0	5.19e-05	-1.11e-05
2432	92	0.04	-0.07	-0.31	0.0	5.56e-05	-7.57e-06
2432	98	0.04	-0.06	-0.26	0.0	4.64e-05	-6.20e-06
2432	105	0.03	-0.17	-0.25	0.0	4.49e-05	-6.77e-06
2432	107	0.03	-0.06	-0.25	0.0	4.44e-05	-5.87e-06
2432	112	7.42	-2.75	-0.24	0.0	1.09e-03	-4.76e-04
2432	127	0.30	-3.91	-0.26	0.0	1.08e-04	-3.34e-05
2432	129	4.17	-6.36	-0.26	0.0	6.37e-04	-2.95e-04
2432	144	8.36	-3.10	-0.24	0.0	1.22e-03	-5.36e-04
2432	159	0.34	-4.40	-0.26	0.0	1.16e-04	-3.75e-05
2432	161	4.71	-7.16	-0.26	0.0	7.13e-04	-3.33e-04
2432	176	8.42	-3.11	-0.24	0.0	1.22e-03	-5.36e-04
2432	191	0.37	-4.39	-0.26	0.0	1.17e-04	-4.03e-05
2432	193	4.83	-7.18	-0.26	0.0	7.23e-04	-3.40e-04
2432	208	9.93	-3.65	-0.24	0.0	1.43e-03	-6.29e-04
2432	223	0.45	-5.13	-0.26	0.0	1.30e-04	-4.92e-05
2432	225	5.78	-8.44	-0.26	0.0	8.53e-04	-4.06e-04
2433	28	0.10	-0.67	-0.47	0.0	8.12e-05	-2.31e-05
2433	44	0.09	-1.02	-0.41	0.0	7.28e-05	-2.60e-05
2433	52	0.10	-0.13	-0.47	0.0	8.00e-05	-1.56e-05
2433	80	0.07	-0.45	-0.33	0.0	5.72e-05	-1.59e-05
2433	88	0.06	-0.68	-0.29	0.0	5.16e-05	-1.78e-05
2433	92	0.07	-0.09	-0.33	0.0	5.64e-05	-1.09e-05
2433	98	0.06	-0.07	-0.28	0.0	4.71e-05	-8.89e-06
2433	105	0.06	-0.19	-0.26	0.0	4.53e-05	-1.01e-05
2433	107	0.06	-0.07	-0.26	0.0	4.50e-05	-8.42e-06
2433	112	7.98	-2.91	-0.25	0.0	1.04e-03	-5.13e-04
2433	127	0.35	-4.38	-0.28	0.0	1.02e-04	-4.18e-05
2433	129	4.49	-6.99	-0.27	0.0	6.06e-04	-3.23e-04
2433	144	8.98	-3.27	-0.25	0.0	1.17e-03	-5.77e-04
2433	159	0.39	-4.93	-0.28	0.0	1.09e-04	-4.66e-05
2433	161	5.07	-7.87	-0.27	0.0	6.79e-04	-3.64e-04

2433	176	9.04	-3.27	-0.25	0.0	1.17e-03	-5.75e-04
2433	191	0.42	-4.92	-0.28	0.0	1.10e-04	-4.98e-05
2433	193	5.20	-7.88	-0.27	0.0	6.88e-04	-3.72e-04
2433	208	10.66	-3.84	-0.25	0.0	1.37e-03	-6.75e-04
2433	223	0.51	-5.75	-0.28	0.0	1.22e-04	-6.02e-05
2433	225	6.21	-9.27	-0.28	0.0	8.11e-04	-4.43e-04
2434	28	0.15	-0.75	-0.50	0.0	8.19e-05	-2.76e-05
2434	44	0.13	-1.12	-0.44	0.0	7.25e-05	-3.13e-05
2434	80	0.10	-0.50	-0.35	0.0	5.77e-05	-1.90e-05
2434	88	0.09	-0.75	-0.31	0.0	5.15e-05	-2.14e-05
2434	98	0.08	-0.09	-0.29	0.0	4.80e-05	-1.04e-05
2434	105	0.08	-0.22	-0.28	0.0	4.59e-05	-1.19e-05
2434	107	0.08	-0.09	-0.28	0.0	4.58e-05	-9.87e-06
2434	112	8.50	-3.06	-0.27	0.0	9.77e-04	-5.40e-04
2434	127	0.40	-4.86	-0.29	0.0	9.29e-05	-4.82e-05
2434	129	4.79	-7.63	-0.29	0.0	5.63e-04	-3.45e-04
2434	144	9.57	-3.44	-0.26	0.0	1.10e-03	-6.08e-04
2434	159	0.44	-5.46	-0.29	0.0	9.91e-05	-5.37e-05
2434	161	5.40	-8.59	-0.29	0.0	6.30e-04	-3.89e-04
2434	176	9.63	-3.44	-0.27	0.0	1.10e-03	-6.05e-04
2434	191	0.48	-5.45	-0.29	0.0	1.00e-04	-5.69e-05
2434	193	5.54	-8.60	-0.29	0.0	6.39e-04	-3.96e-04
2434	208	11.35	-4.04	-0.26	0.0	1.28e-03	-7.09e-04
2434	223	0.57	-6.36	-0.30	0.0	1.11e-04	-6.85e-05
2434	225	6.62	-10.10	-0.29	0.0	7.52e-04	-4.72e-04
2435	28	0.19	-0.83	-0.52	0.0	8.29e-05	-2.74e-05
2435	44	0.17	-1.23	-0.46	0.0	7.25e-05	-3.11e-05
2435	80	0.13	-0.56	-0.37	0.0	5.84e-05	-1.88e-05
2435	88	0.12	-0.83	-0.32	0.0	5.14e-05	-2.13e-05
2435	98	0.11	-0.11	-0.31	0.0	4.90e-05	-1.04e-05
2435	105	0.11	-0.25	-0.29	0.0	4.66e-05	-1.19e-05
2435	107	0.11	-0.11	-0.29	0.0	4.68e-05	-9.87e-06
2435	112	8.98	-3.22	-0.28	0.0	9.08e-04	-5.57e-04
2435	127	0.44	-5.34	-0.31	0.0	8.35e-05	-5.15e-05
2435	129	5.07	-8.27	-0.30	0.0	5.16e-04	-3.58e-04
2435	144	10.12	-3.62	-0.28	0.0	1.02e-03	-6.27e-04
2435	159	0.49	-6.00	-0.31	0.0	8.85e-05	-5.75e-05
2435	161	5.71	-9.31	-0.30	0.0	5.77e-04	-4.03e-04
2435	176	10.18	-3.61	-0.28	0.0	1.02e-03	-6.23e-04
2435	191	0.52	-5.99	-0.31	0.0	9.00e-05	-6.07e-05
2435	193	5.86	-9.31	-0.30	0.0	5.85e-04	-4.10e-04
2435	208	11.99	-4.23	-0.28	0.0	1.19e-03	-7.30e-04
2435	223	0.62	-6.99	-0.31	0.0	9.86e-05	-7.31e-05
2435	225	6.99	-10.93	-0.31	0.0	6.88e-04	-4.88e-04
2436	4	0.06	0.40	-0.45	0.0	7.89e-05	-5.46e-06
2436	28	0.07	-0.60	-0.45	0.0	9.04e-05	-1.62e-05
2436	44	0.06	-0.91	-0.39	0.0	8.57e-05	-1.94e-05
2436	68	0.04	0.26	-0.32	0.0	5.58e-05	-3.95e-06
2436	80	0.05	-0.40	-0.31	0.0	6.35e-05	-1.11e-05
2436	88	0.04	-0.61	-0.27	0.0	6.04e-05	-1.32e-05
2436	98	0.04	-0.06	-0.26	0.0	4.89e-05	-5.52e-06
2436	105	0.04	-0.17	-0.25	0.0	4.84e-05	-6.71e-06
2436	107	0.04	-0.06	-0.25	0.0	4.67e-05	-5.24e-06
2436	110	-7.58	5.47	-0.26	0.0	-1.02e-03	4.54e-04
2436	112	7.67	-2.75	-0.24	0.0	1.11e-03	-4.65e-04
2436	129	4.31	-6.36	-0.24	0.0	6.48e-04	-2.89e-04
2436	142	-8.56	6.17	-0.26	0.0	-1.15e-03	5.12e-04
2436	144	8.65	-3.10	-0.24	0.0	1.25e-03	-5.23e-04
2436	161	4.87	-7.16	-0.24	0.0	7.26e-04	-3.26e-04
2436	176	8.71	-3.11	-0.24	0.0	1.25e-03	-5.22e-04
2436	190	-5.01	6.97	-0.26	0.0	-6.70e-04	3.08e-04
2436	193	5.00	-7.18	-0.24	0.0	7.38e-04	-3.32e-04
2436	208	10.27	-3.66	-0.24	0.0	1.46e-03	-6.13e-04
2436	222	-5.93	8.17	-0.26	0.0	-7.98e-04	3.65e-04
2436	225	5.99	-8.44	-0.24	0.0	8.70e-04	-3.97e-04
2437	4	0.10	0.42	-0.48	0.0	8.00e-05	-5.13e-06
2437	28	0.12	-0.67	-0.48	0.0	8.77e-05	-2.44e-05
2437	44	0.11	-1.02	-0.41	0.0	8.13e-05	-3.09e-05
2437	68	0.07	0.27	-0.34	0.0	5.65e-05	-3.81e-06
2437	80	0.08	-0.45	-0.33	0.0	6.17e-05	-1.67e-05
2437	88	0.07	-0.68	-0.29	0.0	5.74e-05	-2.10e-05
2437	98	0.06	-0.07	-0.28	0.0	4.88e-05	-7.03e-06
2437	105	0.06	-0.19	-0.27	0.0	4.77e-05	-9.37e-06
2437	107	0.06	-0.07	-0.27	0.0	4.66e-05	-6.66e-06
2437	112	8.24	-2.91	-0.26	0.0	1.06e-03	-4.95e-04

2437	126	-4.67	6.80	-0.28	0.0	-5.53e-04	2.91e-04
2437	129	4.64	-6.99	-0.26	0.0	6.14e-04	-3.13e-04
2437	144	9.28	-3.27	-0.26	0.0	1.19e-03	-5.57e-04
2437	158	-5.28	7.67	-0.28	0.0	-6.29e-04	3.29e-04
2437	161	5.24	-7.87	-0.26	0.0	6.88e-04	-3.53e-04
2437	176	9.35	-3.27	-0.26	0.0	1.19e-03	-5.56e-04
2437	190	-5.35	7.64	-0.28	0.0	-6.32e-04	3.30e-04
2437	193	5.38	-7.89	-0.26	0.0	6.99e-04	-3.60e-04
2437	208	11.02	-3.85	-0.26	0.0	1.39e-03	-6.51e-04
2437	222	-6.34	8.96	-0.28	0.0	-7.53e-04	3.92e-04
2437	225	6.43	-9.27	-0.25	0.0	8.25e-04	-4.29e-04
2438	4	0.15	0.44	-0.51	0.0	8.13e-05	-4.74e-06
2438	28	0.16	-0.75	-0.50	0.0	8.40e-05	-2.87e-05
2438	44	0.15	-1.12	-0.44	0.0	7.53e-05	-3.70e-05
2438	68	0.10	0.28	-0.36	0.0	5.73e-05	-3.59e-06
2438	80	0.11	-0.50	-0.35	0.0	5.92e-05	-1.96e-05
2438	88	0.10	-0.75	-0.31	0.0	5.33e-05	-2.51e-05
2438	98	0.09	-0.09	-0.29	0.0	4.85e-05	-7.73e-06
2438	105	0.09	-0.22	-0.28	0.0	4.66e-05	-1.07e-05
2438	107	0.09	-0.09	-0.28	0.0	4.63e-05	-7.33e-06
2438	112	8.77	-3.06	-0.27	0.0	9.87e-04	-5.20e-04
2438	126	-4.95	7.40	-0.29	0.0	-5.07e-04	3.07e-04
2438	129	4.95	-7.63	-0.27	0.0	5.67e-04	-3.32e-04
2438	144	9.88	-3.44	-0.27	0.0	1.11e-03	-5.85e-04
2438	158	-5.59	8.35	-0.29	0.0	-5.77e-04	3.48e-04
2438	161	5.58	-8.59	-0.27	0.0	6.35e-04	-3.75e-04
2438	176	9.95	-3.44	-0.27	0.0	1.11e-03	-5.82e-04
2438	190	-5.66	8.31	-0.29	0.0	-5.80e-04	3.49e-04
2438	193	5.73	-8.60	-0.27	0.0	6.45e-04	-3.81e-04
2438	208	11.72	-4.04	-0.27	0.0	1.30e-03	-6.82e-04
2438	222	-6.71	9.74	-0.29	0.0	-6.92e-04	4.13e-04
2438	225	6.84	-10.10	-0.27	0.0	7.60e-04	-4.54e-04
2439	4	0.19	0.45	-0.53	0.0	8.25e-05	-4.28e-06
2439	28	0.20	-0.83	-0.53	0.0	8.00e-05	-2.81e-05
2439	44	0.19	-1.23	-0.46	0.0	6.88e-05	-3.64e-05
2439	68	0.13	0.29	-0.37	0.0	5.81e-05	-3.27e-06
2439	80	0.14	-0.56	-0.37	0.0	5.64e-05	-1.91e-05
2439	88	0.13	-0.83	-0.32	0.0	4.90e-05	-2.47e-05
2439	98	0.12	-0.11	-0.31	0.0	4.82e-05	-7.44e-06
2439	105	0.11	-0.25	-0.29	0.0	4.55e-05	-1.04e-05
2439	107	0.11	-0.11	-0.29	0.0	4.60e-05	-7.06e-06
2439	112	9.26	-3.22	-0.29	0.0	9.08e-04	-5.36e-04
2439	126	-5.19	7.99	-0.31	0.0	-4.56e-04	3.20e-04
2439	129	5.22	-8.27	-0.28	0.0	5.16e-04	-3.45e-04
2439	144	10.43	-3.62	-0.29	0.0	1.02e-03	-6.03e-04
2439	158	-5.88	9.02	-0.31	0.0	-5.20e-04	3.62e-04
2439	161	5.89	-9.31	-0.28	0.0	5.77e-04	-3.89e-04
2439	176	10.50	-3.61	-0.29	0.0	1.02e-03	-6.00e-04
2439	190	-5.94	8.97	-0.31	0.0	-5.23e-04	3.62e-04
2439	193	6.05	-9.31	-0.28	0.0	5.86e-04	-3.95e-04
2439	208	12.36	-4.23	-0.29	0.0	1.19e-03	-7.02e-04
2439	222	-7.05	10.51	-0.31	0.0	-6.24e-04	4.29e-04
2439	225	7.22	-10.93	-0.28	0.0	6.90e-04	-4.71e-04
2440	4	0.06	0.40	-0.48	0.0	7.67e-05	-2.84e-06
2440	28	0.08	-0.60	-0.47	0.0	1.01e-04	-1.81e-05
2440	44	0.07	-0.91	-0.40	0.0	1.01e-04	-2.35e-05
2440	68	0.04	0.26	-0.34	0.0	5.44e-05	-2.18e-06
2440	80	0.06	-0.40	-0.33	0.0	7.05e-05	-1.23e-05
2440	88	0.05	-0.61	-0.28	0.0	7.08e-05	-1.59e-05
2440	98	0.04	-0.06	-0.28	0.0	5.01e-05	-4.86e-06
2440	105	0.04	-0.17	-0.26	0.0	5.14e-05	-6.78e-06
2440	107	0.04	-0.06	-0.26	0.0	4.79e-05	-4.62e-06
2440	112	7.92	-2.75	-0.25	0.0	1.13e-03	-4.52e-04
2440	129	4.46	-6.36	-0.23	0.0	6.55e-04	-2.81e-04
2440	130	-4.38	6.25	-0.30	0.0	-5.60e-04	2.72e-04
2440	144	8.92	-3.10	-0.25	0.0	1.27e-03	-5.09e-04
2440	161	5.03	-7.16	-0.22	0.0	7.34e-04	-3.17e-04
2440	162	-4.95	7.05	-0.31	0.0	-6.38e-04	3.08e-04
2440	176	8.99	-3.11	-0.25	0.0	1.27e-03	-5.08e-04
2440	193	5.17	-7.18	-0.22	0.0	7.48e-04	-3.23e-04
2440	194	-5.09	7.07	-0.30	0.0	-6.53e-04	3.14e-04
2440	208	10.60	-3.66	-0.25	0.0	1.49e-03	-5.96e-04
2440	225	6.19	-8.45	-0.22	0.0	8.84e-04	-3.86e-04
2440	226	-6.11	8.33	-0.31	0.0	-7.88e-04	3.77e-04
2441	4	0.10	0.42	-0.51	0.0	7.82e-05	0.0

2441	28	0.13	-0.67	-0.50	0.0	9.46e-05	-2.71e-05
2441	44	0.13	-1.02	-0.43	0.0	9.17e-05	-3.78e-05
2441	68	0.07	0.27	-0.36	0.0	5.54e-05	0.0
2441	80	0.09	-0.45	-0.35	0.0	6.63e-05	-1.84e-05
2441	88	0.09	-0.68	-0.30	0.0	6.44e-05	-2.55e-05
2441	98	0.07	-0.07	-0.30	0.0	4.94e-05	-5.31e-06
2441	105	0.07	-0.19	-0.28	0.0	4.96e-05	-9.01e-06
2441	107	0.06	-0.07	-0.28	0.0	4.72e-05	-5.04e-06
2441	112	8.50	-2.91	-0.27	0.0	1.07e-03	-4.75e-04
2441	129	4.79	-6.99	-0.24	0.0	6.20e-04	-3.01e-04
2441	130	-4.66	6.85	-0.32	0.0	-5.25e-04	2.91e-04
2441	144	9.57	-3.27	-0.27	0.0	1.20e-03	-5.35e-04
2441	161	5.41	-7.87	-0.24	0.0	6.94e-04	-3.39e-04
2441	162	-5.28	7.73	-0.33	0.0	-6.00e-04	3.29e-04
2441	176	9.64	-3.27	-0.27	0.0	1.21e-03	-5.32e-04
2441	193	5.56	-7.89	-0.24	0.0	7.08e-04	-3.45e-04
2441	194	-5.43	7.74	-0.33	0.0	-6.13e-04	3.35e-04
2441	208	11.36	-3.85	-0.27	0.0	1.41e-03	-6.24e-04
2441	225	6.64	-9.27	-0.23	0.0	8.35e-04	-4.12e-04
2441	226	-6.51	9.13	-0.33	0.0	-7.41e-04	4.02e-04
2442	4	0.15	0.44	-0.54	0.0	8.01e-05	2.98e-06
2442	28	0.18	-0.75	-0.52	0.0	8.58e-05	-3.14e-05
2442	44	0.17	-1.12	-0.45	0.0	7.84e-05	-4.51e-05
2442	68	0.10	0.28	-0.38	0.0	5.66e-05	1.71e-06
2442	80	0.13	-0.50	-0.37	0.0	6.04e-05	-2.12e-05
2442	88	0.12	-0.75	-0.32	0.0	5.54e-05	-3.04e-05
2442	98	0.09	-0.09	-0.31	0.0	4.84e-05	-5.19e-06
2442	105	0.09	-0.22	-0.29	0.0	4.70e-05	-9.88e-06
2442	107	0.09	-0.09	-0.30	0.0	4.63e-05	-4.92e-06
2442	112	9.03	-3.06	-0.29	0.0	9.95e-04	-4.94e-04
2442	129	5.10	-7.63	-0.25	0.0	5.71e-04	-3.17e-04
2442	130	-4.92	7.45	-0.34	0.0	-4.78e-04	3.07e-04
2442	144	10.17	-3.45	-0.28	0.0	1.12e-03	-5.56e-04
2442	161	5.75	-8.59	-0.25	0.0	6.39e-04	-3.57e-04
2442	162	-5.57	8.41	-0.35	0.0	-5.46e-04	3.48e-04
2442	176	10.25	-3.44	-0.29	0.0	1.12e-03	-5.53e-04
2442	193	5.91	-8.60	-0.25	0.0	6.50e-04	-3.63e-04
2442	194	-5.73	8.42	-0.35	0.0	-5.58e-04	3.53e-04
2442	208	12.07	-4.04	-0.28	0.0	1.31e-03	-6.48e-04
2442	225	7.06	-10.10	-0.24	0.0	7.67e-04	-4.33e-04
2442	226	-6.88	9.92	-0.35	0.0	-6.75e-04	4.23e-04
2443	4	0.19	0.45	-0.57	0.0	8.22e-05	3.95e-06
2443	28	0.22	-0.83	-0.55	0.0	7.64e-05	-3.02e-05
2443	44	0.21	-1.23	-0.47	0.0	6.40e-05	-4.39e-05
2443	68	0.13	0.29	-0.40	0.0	5.79e-05	2.39e-06
2443	80	0.16	-0.56	-0.39	0.0	5.40e-05	-2.04e-05
2443	88	0.15	-0.83	-0.34	0.0	4.57e-05	-2.95e-05
2443	98	0.12	-0.11	-0.33	0.0	4.73e-05	-4.56e-06
2443	105	0.12	-0.25	-0.31	0.0	4.43e-05	-9.24e-06
2443	107	0.11	-0.11	-0.31	0.0	4.52e-05	-4.32e-06
2443	112	9.53	-3.22	-0.30	0.0	9.10e-04	-5.09e-04
2443	129	5.38	-8.27	-0.26	0.0	5.17e-04	-3.28e-04
2443	130	-5.15	8.06	-0.36	0.0	-4.26e-04	3.20e-04
2443	144	10.73	-3.62	-0.30	0.0	1.02e-03	-5.73e-04
2443	161	6.07	-9.31	-0.26	0.0	5.78e-04	-3.71e-04
2443	162	-5.84	9.09	-0.36	0.0	-4.88e-04	3.62e-04
2443	176	10.80	-3.61	-0.30	0.0	1.02e-03	-5.69e-04
2443	193	6.23	-9.31	-0.26	0.0	5.88e-04	-3.76e-04
2443	194	-6.00	9.09	-0.36	0.0	-4.98e-04	3.67e-04
2443	208	12.72	-4.23	-0.30	0.0	1.19e-03	-6.66e-04
2443	225	7.44	-10.93	-0.25	0.0	6.93e-04	-4.48e-04
2443	226	-7.21	10.72	-0.37	0.0	-6.03e-04	4.39e-04
2444	4	0.06	0.40	-0.54	0.0	7.10e-05	0.0
2444	28	0.09	-0.60	-0.51	0.0	1.13e-04	-1.97e-05
2444	44	0.09	-0.92	-0.43	0.0	1.21e-04	-2.72e-05
2444	68	0.05	0.26	-0.38	0.0	5.06e-05	0.0
2444	80	0.06	-0.40	-0.36	0.0	7.84e-05	-1.33e-05
2444	88	0.06	-0.61	-0.31	0.0	8.39e-05	-1.84e-05
2444	98	0.04	-0.06	-0.31	0.0	5.02e-05	-4.04e-06
2444	105	0.05	-0.17	-0.29	0.0	5.40e-05	-6.67e-06
2444	107	0.04	-0.06	-0.29	0.0	4.80e-05	-3.84e-06
2444	112	8.16	-2.76	-0.35	0.0	1.13e-03	-4.36e-04
2444	129	4.60	-6.36	-0.20	0.0	6.57e-04	-2.71e-04
2444	130	-4.51	6.25	-0.39	0.0	-5.61e-04	2.64e-04
2444	144	9.19	-3.10	-0.36	0.0	1.27e-03	-4.91e-04

2444	161	5.19	-7.16	-0.19	0.0	7.36e-04	-3.06e-04
2444	162	-5.11	7.05	-0.40	0.0	-6.40e-04	2.99e-04
2444	176	9.26	-3.11	-0.36	0.0	1.28e-03	-4.90e-04
2444	193	5.34	-7.18	-0.19	0.0	7.52e-04	-3.12e-04
2444	194	-5.25	7.07	-0.40	0.0	-6.56e-04	3.04e-04
2444	216	10.96	-4.18	-0.27	0.0	1.46e-03	-6.40e-04
2444	225	6.39	-8.45	-0.17	0.0	8.90e-04	-3.73e-04
2444	226	-6.31	8.34	-0.42	0.0	-7.94e-04	3.65e-04
2445	4	0.10	0.42	-0.58	0.0	7.37e-05	6.38e-06
2445	44	0.15	-1.02	-0.46	0.0	1.05e-04	-4.42e-05
2445	68	0.07	0.27	-0.41	0.0	5.23e-05	4.08e-06
2445	88	0.11	-0.68	-0.33	0.0	7.30e-05	-2.97e-05
2445	98	0.07	-0.07	-0.33	0.0	4.91e-05	-3.38e-06
2445	105	0.07	-0.19	-0.31	0.0	5.10e-05	-8.42e-06
2445	107	0.07	-0.07	-0.31	0.0	4.69e-05	-3.20e-06
2445	112	8.74	-2.91	-0.38	0.0	1.08e-03	-4.49e-04
2445	129	4.93	-6.99	-0.21	0.0	6.21e-04	-2.85e-04
2445	130	-4.80	6.85	-0.42	0.0	-5.27e-04	2.79e-04
2445	144	9.84	-3.27	-0.39	0.0	1.21e-03	-5.06e-04
2445	161	5.57	-7.87	-0.20	0.0	6.96e-04	-3.22e-04
2445	162	-5.43	7.73	-0.43	0.0	-6.02e-04	3.15e-04
2445	176	9.92	-3.27	-0.38	0.0	1.21e-03	-5.03e-04
2445	193	5.72	-7.89	-0.20	0.0	7.11e-04	-3.27e-04
2445	194	-5.59	7.75	-0.43	0.0	-6.17e-04	3.20e-04
2445	216	11.72	-4.42	-0.28	0.0	1.38e-03	-6.63e-04
2445	225	6.85	-9.27	-0.18	0.0	8.40e-04	-3.90e-04
2445	226	-6.71	9.13	-0.45	0.0	-7.46e-04	3.83e-04
2446	4	0.14	0.44	-0.61	0.0	7.76e-05	1.08e-05
2446	44	0.20	-1.12	-0.49	0.0	8.20e-05	-5.26e-05
2446	68	0.10	0.28	-0.43	0.0	5.48e-05	7.12e-06
2446	88	0.14	-0.76	-0.35	0.0	5.77e-05	-3.52e-05
2446	98	0.10	-0.09	-0.35	0.0	4.77e-05	-2.43e-06
2446	105	0.10	-0.22	-0.33	0.0	4.69e-05	-8.79e-06
2446	107	0.09	-0.09	-0.33	0.0	4.56e-05	-2.28e-06
2446	112	9.28	-3.06	-0.40	0.0	9.97e-04	-4.61e-04
2446	129	5.24	-7.63	-0.22	0.0	5.71e-04	-2.97e-04
2446	130	-5.06	7.45	-0.45	0.0	-4.80e-04	2.92e-04
2446	144	10.45	-3.45	-0.41	0.0	1.12e-03	-5.19e-04
2446	161	5.92	-8.59	-0.20	0.0	6.40e-04	-3.35e-04
2446	162	-5.73	8.41	-0.46	0.0	-5.49e-04	3.30e-04
2446	176	10.53	-3.44	-0.41	0.0	1.12e-03	-5.15e-04
2446	193	6.08	-8.60	-0.20	0.0	6.53e-04	-3.39e-04
2446	194	-5.90	8.42	-0.46	0.0	-5.61e-04	3.35e-04
2446	216	12.41	-4.66	-0.30	0.0	1.26e-03	-6.82e-04
2446	225	7.27	-10.10	-0.18	0.0	7.71e-04	-4.05e-04
2446	226	-7.09	9.92	-0.48	0.0	-6.80e-04	4.00e-04
2447	4	0.18	0.45	-0.64	0.0	8.24e-05	1.22e-05
2447	28	0.24	-0.83	-0.61	0.0	7.18e-05	-3.19e-05
2447	44	0.24	-1.23	-0.52	0.0	5.75e-05	-5.07e-05
2447	68	0.13	0.29	-0.45	0.0	5.80e-05	8.10e-06
2447	80	0.17	-0.56	-0.43	0.0	5.09e-05	-2.13e-05
2447	88	0.17	-0.83	-0.37	0.0	4.13e-05	-3.38e-05
2447	98	0.12	-0.11	-0.37	0.0	4.65e-05	-1.50e-06
2447	105	0.12	-0.25	-0.35	0.0	4.28e-05	-7.81e-06
2447	107	0.12	-0.11	-0.35	0.0	4.44e-05	-1.38e-06
2447	112	9.77	-3.22	-0.43	0.0	9.12e-04	-4.74e-04
2447	129	5.52	-8.27	-0.22	0.0	5.18e-04	-3.07e-04
2447	130	-5.29	8.06	-0.48	0.0	-4.29e-04	3.04e-04
2447	144	11.00	-3.62	-0.44	0.0	1.02e-03	-5.34e-04
2447	161	6.23	-9.31	-0.21	0.0	5.80e-04	-3.47e-04
2447	162	-6.00	9.09	-0.49	0.0	-4.91e-04	3.44e-04
2447	176	11.08	-3.61	-0.43	0.0	1.03e-03	-5.28e-04
2447	193	6.40	-9.31	-0.21	0.0	5.91e-04	-3.50e-04
2447	194	-6.17	9.09	-0.49	0.0	-5.02e-04	3.48e-04
2447	208	13.06	-4.23	-0.45	0.0	1.20e-03	-6.19e-04
2447	225	7.65	-10.93	-0.18	0.0	6.97e-04	-4.18e-04
2447	226	-7.42	10.72	-0.52	0.0	-6.08e-04	4.15e-04
2448	4	0.06	0.40	-0.64	0.0	6.16e-05	2.96e-06
2448	44	0.11	-0.92	-0.49	0.0	1.44e-04	-2.81e-05
2448	68	0.05	0.26	-0.45	0.0	4.42e-05	1.85e-06
2448	88	0.07	-0.61	-0.35	0.0	9.90e-05	-1.89e-05
2448	98	0.05	-0.06	-0.36	0.0	4.89e-05	-2.63e-06
2448	105	0.05	-0.17	-0.34	0.0	5.61e-05	-5.70e-06
2448	107	0.04	-0.06	-0.34	0.0	4.68e-05	-2.48e-06
2448	112	8.39	-2.76	-0.46	0.0	1.13e-03	-4.15e-04

2448	129	4.73	-6.36	-0.15	0.0	6.52e-04	-2.58e-04
2448	130	-4.64	6.25	-0.54	0.0	-5.58e-04	2.53e-04
2448	144	9.45	-3.10	-0.47	0.0	1.27e-03	-4.67e-04
2448	161	5.35	-7.17	-0.13	0.0	7.31e-04	-2.91e-04
2448	162	-5.26	7.05	-0.56	0.0	-6.37e-04	2.86e-04
2448	176	9.52	-3.11	-0.47	0.0	1.27e-03	-4.65e-04
2448	193	5.50	-7.18	-0.13	0.0	7.48e-04	-2.96e-04
2448	194	-5.41	7.07	-0.56	0.0	-6.54e-04	2.91e-04
2448	216	11.32	-4.18	-0.29	0.0	1.47e-03	-6.06e-04
2448	225	6.58	-8.45	-0.09	0.0	8.85e-04	-3.53e-04
2448	226	-6.50	8.34	-0.60	0.0	-7.92e-04	3.49e-04
2449	4	0.10	0.42	-0.68	0.0	6.63e-05	1.25e-05
2449	44	0.18	-1.02	-0.53	0.0	1.20e-04	-4.54e-05
2449	68	0.07	0.27	-0.48	0.0	4.73e-05	8.38e-06
2449	88	0.12	-0.68	-0.38	0.0	8.29e-05	-3.02e-05
2449	98	0.07	-0.07	-0.39	0.0	4.77e-05	0.0
2449	105	0.08	-0.19	-0.36	0.0	5.20e-05	-6.34e-06
2449	107	0.07	-0.07	-0.37	0.0	4.56e-05	0.0
2449	112	8.97	-2.91	-0.50	0.0	1.07e-03	-4.13e-04
2449	129	5.06	-7.00	-0.15	0.0	6.16e-04	-2.62e-04
2449	130	-4.93	6.85	-0.59	0.0	-5.25e-04	2.61e-04
2449	144	10.10	-3.27	-0.51	0.0	1.20e-03	-4.65e-04
2449	161	5.72	-7.88	-0.12	0.0	6.91e-04	-2.96e-04
2449	162	-5.58	7.73	-0.61	0.0	-6.00e-04	2.95e-04
2449	176	10.17	-3.27	-0.51	0.0	1.21e-03	-4.61e-04
2449	193	5.88	-7.89	-0.13	0.0	7.06e-04	-3.00e-04
2449	194	-5.74	7.75	-0.61	0.0	-6.15e-04	2.99e-04
2449	216	12.08	-4.42	-0.31	0.0	1.38e-03	-6.06e-04
2449	225	7.04	-9.27	-0.09	0.0	8.36e-04	-3.58e-04
2449	226	-6.90	9.13	-0.65	0.0	-7.45e-04	3.57e-04
2450	4	0.13	0.44	-0.72	0.0	7.37e-05	1.84e-05
2450	44	0.24	-1.12	-0.56	0.0	8.56e-05	-5.36e-05
2450	68	0.09	0.28	-0.51	0.0	5.21e-05	1.25e-05
2450	88	0.16	-0.76	-0.40	0.0	6.01e-05	-3.55e-05
2450	98	0.10	-0.09	-0.41	0.0	4.63e-05	1.20e-06
2450	105	0.10	-0.22	-0.38	0.0	4.63e-05	-6.13e-06
2450	107	0.09	-0.09	-0.39	0.0	4.42e-05	1.23e-06
2450	112	9.50	-3.06	-0.53	0.0	9.93e-04	-4.16e-04
2450	129	5.37	-7.63	-0.15	0.0	5.68e-04	-2.69e-04
2450	130	-5.19	7.46	-0.63	0.0	-4.80e-04	2.71e-04
2450	144	10.70	-3.45	-0.55	0.0	1.11e-03	-4.69e-04
2450	161	6.06	-8.59	-0.12	0.0	6.37e-04	-3.04e-04
2450	162	-5.88	8.41	-0.66	0.0	-5.48e-04	3.06e-04
2450	176	10.78	-3.44	-0.54	0.0	1.12e-03	-4.63e-04
2450	193	6.23	-8.60	-0.12	0.0	6.50e-04	-3.06e-04
2450	194	-6.05	8.42	-0.66	0.0	-5.62e-04	3.09e-04
2450	216	12.77	-4.66	-0.32	0.0	1.26e-03	-6.12e-04
2450	225	7.46	-10.10	-0.08	0.0	7.69e-04	-3.65e-04
2450	226	-7.27	9.93	-0.70	0.0	-6.81e-04	3.68e-04
2451	4	0.17	0.45	-0.76	0.0	8.32e-05	1.94e-05
2451	44	0.27	-1.23	-0.59	0.0	4.95e-05	-5.14e-05
2451	68	0.12	0.29	-0.53	0.0	5.84e-05	1.32e-05
2451	88	0.19	-0.83	-0.42	0.0	3.59e-05	-3.40e-05
2451	98	0.12	-0.11	-0.43	0.0	4.57e-05	2.00e-06
2451	105	0.13	-0.25	-0.40	0.0	4.11e-05	-5.22e-06
2451	107	0.12	-0.11	-0.41	0.0	4.37e-05	2.00e-06
2451	112	10.00	-3.22	-0.56	0.0	9.16e-04	-4.29e-04
2451	129	5.65	-8.27	-0.15	0.0	5.20e-04	-2.79e-04
2451	130	-5.42	8.06	-0.67	0.0	-4.33e-04	2.83e-04
2451	144	11.26	-3.62	-0.58	0.0	1.03e-03	-4.83e-04
2451	161	6.38	-9.31	-0.12	0.0	5.82e-04	-3.16e-04
2451	162	-6.15	9.09	-0.70	0.0	-4.95e-04	3.20e-04
2451	176	11.34	-3.61	-0.58	0.0	1.03e-03	-4.77e-04
2451	193	6.56	-9.31	-0.12	0.0	5.94e-04	-3.18e-04
2451	194	-6.32	9.10	-0.70	0.0	-5.07e-04	3.22e-04
2451	216	13.39	-4.91	-0.34	0.0	1.14e-03	-6.30e-04
2451	225	7.84	-10.93	-0.07	0.0	7.01e-04	-3.79e-04
2451	226	-7.61	10.72	-0.75	0.0	-6.14e-04	3.83e-04
2452	4	0.06	0.40	-0.82	0.0	4.87e-05	6.34e-06
2452	44	0.13	-0.92	-0.60	0.0	1.66e-04	-2.19e-05
2452	68	0.04	0.26	-0.57	0.0	3.54e-05	4.35e-06
2452	88	0.09	-0.62	-0.43	0.0	1.13e-04	-1.45e-05
2452	98	0.05	-0.06	-0.46	0.0	4.58e-05	0.0
2452	105	0.05	-0.17	-0.42	0.0	5.66e-05	-2.75e-06
2452	107	0.05	-0.06	-0.43	0.0	4.37e-05	0.0

2452	112	8.60	-2.76	-0.67	0.0	1.10e-03	-3.80e-04
2452	129	4.86	-6.37	-0.03	0.0	6.34e-04	-2.36e-04
2452	130	-4.76	6.25	-0.84	0.0	-5.46e-04	2.36e-04
2452	144	9.69	-3.10	-0.70	0.0	1.24e-03	-4.28e-04
2452	161	5.49	-7.17	0.02	0.0	7.11e-04	-2.67e-04
2452	162	-5.40	7.05	-0.89	0.0	-6.24e-04	2.67e-04
2452	176	9.77	-3.11	-0.69	0.0	1.24e-03	-4.26e-04
2452	193	5.65	-7.19	0.01	0.0	7.28e-04	-2.70e-04
2452	194	-5.55	7.07	-0.88	0.0	-6.41e-04	2.71e-04
2452	216	11.65	-4.19	-0.32	0.0	1.45e-03	-5.54e-04
2452	225	6.76	-8.46	0.09	0.0	8.64e-04	-3.23e-04
2452	226	-6.67	8.34	-0.96	0.0	-7.76e-04	3.24e-04
2453	4	0.09	0.42	-0.87	0.0	5.66e-05	1.91e-05
2453	44	0.21	-1.02	-0.64	0.0	1.34e-04	-3.23e-05
2453	68	0.06	0.27	-0.61	0.0	4.06e-05	1.33e-05
2453	88	0.14	-0.68	-0.46	0.0	9.20e-05	-2.10e-05
2453	98	0.07	-0.07	-0.49	0.0	4.50e-05	4.88e-06
2453	105	0.08	-0.19	-0.45	0.0	5.17e-05	0.0
2453	107	0.07	-0.07	-0.46	0.0	4.29e-05	4.81e-06
2453	112	9.17	-2.91	-0.72	0.0	1.05e-03	-3.54e-04
2453	129	5.18	-7.00	-0.03	0.0	6.01e-04	-2.25e-04
2453	130	-5.04	6.85	-0.90	0.0	-5.16e-04	2.35e-04
2453	144	10.33	-3.27	-0.76	0.0	1.18e-03	-4.00e-04
2453	161	5.85	-7.88	0.03	0.0	6.74e-04	-2.55e-04
2453	162	-5.71	7.73	-0.96	0.0	-5.89e-04	2.65e-04
2453	176	10.40	-3.27	-0.75	0.0	1.18e-03	-3.95e-04
2453	193	6.02	-7.89	0.02	0.0	6.91e-04	-2.57e-04
2453	194	-5.88	7.75	-0.95	0.0	-6.05e-04	2.67e-04
2453	216	12.40	-4.42	-0.34	0.0	1.36e-03	-5.16e-04
2453	225	7.21	-9.28	0.11	0.0	8.18e-04	-3.07e-04
2453	226	-7.07	9.13	-1.03	0.0	-7.33e-04	3.17e-04
2454	4	0.12	0.44	-0.91	0.0	6.94e-05	2.46e-05
2454	44	0.27	-1.12	-0.67	0.0	8.86e-05	-3.81e-05
2454	68	0.09	0.28	-0.64	0.0	4.91e-05	1.71e-05
2454	88	0.19	-0.76	-0.48	0.0	6.19e-05	-2.47e-05
2454	98	0.10	-0.09	-0.51	0.0	4.46e-05	6.69e-06
2454	105	0.11	-0.22	-0.48	0.0	4.54e-05	0.0
2454	107	0.09	-0.09	-0.49	0.0	4.26e-05	6.56e-06
2454	112	9.69	-3.06	-0.76	0.0	9.84e-04	-3.53e-04
2454	129	5.48	-7.63	-0.02	0.0	5.62e-04	-2.29e-04
2454	130	-5.30	7.46	-0.96	0.0	-4.77e-04	2.42e-04
2454	144	10.92	-3.45	-0.80	0.0	1.10e-03	-3.99e-04
2454	161	6.19	-8.59	0.04	0.0	6.30e-04	-2.60e-04
2454	162	-6.01	8.42	-1.02	0.0	-5.45e-04	2.73e-04
2454	176	11.00	-3.44	-0.79	0.0	1.11e-03	-3.92e-04
2454	193	6.37	-8.60	0.04	0.0	6.44e-04	-2.60e-04
2454	194	-6.19	8.42	-1.01	0.0	-5.59e-04	2.73e-04
2454	216	13.08	-4.66	-0.35	0.0	1.26e-03	-5.13e-04
2454	225	7.62	-10.10	0.12	0.0	7.63e-04	-3.10e-04
2454	226	-7.44	9.93	-1.10	0.0	-6.78e-04	3.23e-04
2455	4	0.16	0.45	-0.95	0.0	8.53e-05	2.29e-05
2455	44	0.30	-1.23	-0.70	0.0	4.14e-05	-3.76e-05
2455	68	0.11	0.29	-0.67	0.0	5.98e-05	1.58e-05
2455	88	0.21	-0.83	-0.50	0.0	3.06e-05	-2.45e-05
2455	98	0.12	-0.11	-0.53	0.0	4.56e-05	5.82e-06
2455	105	0.13	-0.25	-0.50	0.0	3.99e-05	0.0
2455	107	0.11	-0.11	-0.51	0.0	4.36e-05	5.70e-06
2455	112	10.19	-3.22	-0.80	0.0	9.27e-04	-3.76e-04
2455	129	5.76	-8.27	-0.01	0.0	5.27e-04	-2.46e-04
2455	130	-5.54	8.06	-1.01	0.0	-4.40e-04	2.57e-04
2455	144	11.47	-3.62	-0.84	0.0	1.04e-03	-4.25e-04
2455	161	6.50	-9.31	0.05	0.0	5.90e-04	-2.78e-04
2455	162	-6.28	9.09	-1.07	0.0	-5.03e-04	2.90e-04
2455	176	11.55	-3.61	-0.83	0.0	1.04e-03	-4.17e-04
2455	193	6.69	-9.31	0.05	0.0	6.02e-04	-2.78e-04
2455	194	-6.46	9.10	-1.06	0.0	-5.15e-04	2.90e-04
2455	216	13.71	-4.91	-0.37	0.0	1.17e-03	-5.45e-04
2455	225	8.00	-10.93	0.14	0.0	7.12e-04	-3.31e-04
2455	226	-7.77	10.72	-1.16	0.0	-6.25e-04	3.43e-04
2456	4	0.06	0.40	-1.16	0.0	3.10e-05	1.10e-05
2456	44	0.14	-0.92	-0.81	0.0	1.74e-04	1.73e-06
2456	68	0.04	0.26	-0.81	0.0	2.29e-05	8.00e-06
2456	88	0.09	-0.62	-0.58	0.0	1.18e-04	1.81e-06
2456	98	0.05	-0.06	-0.64	0.0	3.82e-05	6.13e-06
2456	105	0.05	-0.17	-0.59	0.0	5.19e-05	5.11e-06

2456	107	0.04	-0.06	-0.61	0.0	3.64e-05	6.04e-06
2456	112	8.79	-2.76	-1.12	0.0	1.03e-03	-3.21e-04
2456	129	4.97	-6.37	0.24	0.0	5.88e-04	-1.99e-04
2456	130	-4.88	6.25	-1.46	0.0	-5.16e-04	2.11e-04
2456	144	9.91	-3.10	-1.18	0.0	1.15e-03	-3.63e-04
2456	161	5.61	-7.17	0.34	0.0	6.61e-04	-2.25e-04
2456	162	-5.52	7.06	-1.57	0.0	-5.88e-04	2.37e-04
2456	176	9.98	-3.11	-1.16	0.0	1.16e-03	-3.59e-04
2456	193	5.78	-7.19	0.34	0.0	6.78e-04	-2.27e-04
2456	194	-5.69	7.07	-1.56	0.0	-6.05e-04	2.39e-04
2456	216	11.95	-4.19	-0.37	0.0	1.36e-03	-4.66e-04
2456	225	6.92	-8.46	0.50	0.0	8.05e-04	-2.72e-04
2456	226	-6.83	8.34	-1.72	0.0	-7.32e-04	2.84e-04
2457	4	0.07	0.42	-1.21	0.0	4.59e-05	2.60e-05
2457	44	0.23	-1.02	-0.84	0.0	1.40e-04	9.48e-06
2457	68	0.05	0.28	-0.85	0.0	3.31e-05	1.88e-05
2457	88	0.15	-0.68	-0.60	0.0	9.55e-05	7.73e-06
2457	98	0.07	-0.07	-0.67	0.0	4.06e-05	1.48e-05
2457	105	0.08	-0.19	-0.62	0.0	4.91e-05	1.29e-05
2457	107	0.06	-0.07	-0.64	0.0	3.87e-05	1.44e-05
2457	112	9.32	-2.91	-1.15	0.0	1.00e-03	-2.65e-04
2457	129	5.27	-7.00	0.23	0.0	5.74e-04	-1.68e-04
2457	130	-5.14	6.86	-1.51	0.0	-4.97e-04	1.97e-04
2457	144	10.50	-3.27	-1.21	0.0	1.13e-03	-3.01e-04
2457	161	5.95	-7.88	0.34	0.0	6.44e-04	-1.92e-04
2457	162	-5.82	7.74	-1.62	0.0	-5.67e-04	2.21e-04
2457	176	10.58	-3.27	-1.19	0.0	1.13e-03	-2.93e-04
2457	193	6.13	-7.89	0.33	0.0	6.60e-04	-1.90e-04
2457	194	-6.00	7.75	-1.61	0.0	-5.83e-04	2.19e-04
2457	216	12.65	-4.42	-0.40	0.0	1.31e-03	-3.78e-04
2457	225	7.34	-9.28	0.49	0.0	7.83e-04	-2.27e-04
2457	226	-7.21	9.14	-1.77	0.0	-7.06e-04	2.56e-04
2458	4	0.10	0.44	-1.24	0.0	6.78e-05	2.69e-05
2458	44	0.29	-1.12	-0.87	0.0	9.07e-05	8.44e-06
2458	68	0.07	0.29	-0.87	0.0	4.80e-05	1.93e-05
2458	88	0.20	-0.76	-0.62	0.0	6.33e-05	7.02e-06
2458	98	0.09	-0.09	-0.69	0.0	4.42e-05	1.49e-05
2458	105	0.11	-0.22	-0.64	0.0	4.54e-05	1.28e-05
2458	107	0.09	-0.09	-0.66	0.0	4.23e-05	1.46e-05
2458	112	9.83	-3.06	-1.17	0.0	9.81e-04	-2.74e-04
2458	129	5.56	-7.63	0.23	0.0	5.61e-04	-1.77e-04
2458	130	-5.39	7.46	-1.54	0.0	-4.76e-04	2.06e-04
2458	144	11.08	-3.45	-1.24	0.0	1.10e-03	-3.10e-04
2458	161	6.28	-8.59	0.34	0.0	6.28e-04	-2.01e-04
2458	162	-6.11	8.42	-1.66	0.0	-5.44e-04	2.30e-04
2458	176	11.16	-3.44	-1.22	0.0	1.11e-03	-3.01e-04
2458	193	6.46	-8.60	0.33	0.0	6.43e-04	-1.98e-04
2458	194	-6.29	8.43	-1.64	0.0	-5.59e-04	2.27e-04
2458	216	13.32	-4.66	-0.42	0.0	1.27e-03	-3.85e-04
2458	225	7.74	-10.11	0.50	0.0	7.62e-04	-2.36e-04
2458	226	-7.57	9.93	-1.81	0.0	-6.78e-04	2.65e-04
2459	4	0.14	0.45	-1.27	0.0	9.12e-05	1.78e-05
2459	44	0.32	-1.23	-0.89	0.0	3.80e-05	2.27e-06
2459	68	0.10	0.29	-0.89	0.0	6.40e-05	1.27e-05
2459	88	0.22	-0.83	-0.64	0.0	2.85e-05	2.37e-06
2459	98	0.11	-0.11	-0.70	0.0	4.81e-05	9.27e-06
2459	105	0.13	-0.25	-0.65	0.0	4.14e-05	7.53e-06
2459	107	0.11	-0.11	-0.67	0.0	4.60e-05	9.04e-06
2459	112	10.34	-3.22	-1.20	0.0	9.61e-04	-3.26e-04
2459	129	5.85	-8.27	0.23	0.0	5.48e-04	-2.11e-04
2459	130	-5.63	8.06	-1.58	0.0	-4.56e-04	2.29e-04
2459	144	11.64	-3.62	-1.26	0.0	1.08e-03	-3.69e-04
2459	161	6.60	-9.31	0.35	0.0	6.13e-04	-2.39e-04
2459	162	-6.39	9.09	-1.69	0.0	-5.21e-04	2.57e-04
2459	176	11.73	-3.61	-1.24	0.0	1.08e-03	-3.59e-04
2459	193	6.79	-9.31	0.33	0.0	6.28e-04	-2.37e-04
2459	194	-6.58	9.10	-1.68	0.0	-5.35e-04	2.55e-04
2459	216	13.97	-4.91	-0.44	0.0	1.22e-03	-4.60e-04
2459	225	8.13	-10.93	0.50	0.0	7.42e-04	-2.82e-04
2459	226	-7.91	10.72	-1.85	0.0	-6.50e-04	3.00e-04
2460	4	0.18	0.46	-0.69	0.0	1.06e-04	-1.78e-05
2460	28	0.17	-0.90	-0.77	0.0	1.11e-04	-1.89e-05
2460	44	0.15	-1.33	-0.70	0.0	9.96e-05	-1.57e-05
2460	68	0.12	0.30	-0.49	0.0	7.46e-05	-1.21e-05
2460	80	0.12	-0.61	-0.54	0.0	7.81e-05	-1.28e-05

2460	88	0.11	-0.89	-0.50	0.0	7.04e-05	-1.07e-05
2460	98	0.10	-0.13	-0.43	0.0	6.36e-05	-9.84e-06
2460	105	0.10	-0.28	-0.42	0.0	6.12e-05	-9.15e-06
2460	107	0.10	-0.13	-0.41	0.0	6.06e-05	-9.08e-06
2460	112	8.30	-3.38	-0.20	0.0	7.38e-04	-5.43e-04
2460	129	4.68	-8.88	-0.77	0.0	5.18e-04	-3.38e-04
2460	144	9.34	-3.79	-0.17	0.0	8.24e-04	-6.11e-04
2460	161	5.27	-9.99	-0.81	0.0	5.77e-04	-3.80e-04
2460	176	9.38	-3.78	-0.18	0.0	8.21e-04	-6.08e-04
2460	193	5.37	-9.99	-0.81	0.0	5.81e-04	-3.86e-04
2460	208	11.03	-4.42	-0.14	0.0	9.54e-04	-7.12e-04
2460	225	6.39	-11.73	-0.88	0.0	6.79e-04	-4.59e-04
2461	28	0.19	-0.90	-0.66	0.0	1.06e-04	-2.54e-05
2461	44	0.16	-1.33	-0.60	0.0	9.42e-05	-2.16e-05
2461	52	0.19	-0.22	-0.64	0.0	1.03e-04	-2.48e-05
2461	80	0.13	-0.61	-0.46	0.0	7.40e-05	-1.74e-05
2461	88	0.11	-0.89	-0.42	0.0	6.64e-05	-1.48e-05
2461	92	0.13	-0.16	-0.45	0.0	7.25e-05	-1.70e-05
2461	98	0.11	-0.13	-0.37	0.0	6.01e-05	-1.35e-05
2461	105	0.11	-0.28	-0.36	0.0	5.77e-05	-1.27e-05
2461	107	0.11	-0.13	-0.36	0.0	5.72e-05	-1.26e-05
2461	112	8.56	-3.38	-0.24	0.0	7.21e-04	-5.69e-04
2461	129	4.83	-8.88	-0.55	0.0	5.00e-04	-3.60e-04
2461	144	9.64	-3.79	-0.23	0.0	8.05e-04	-6.39e-04
2461	161	5.44	-10.00	-0.57	0.0	5.57e-04	-4.05e-04
2461	176	9.68	-3.78	-0.23	0.0	8.03e-04	-6.36e-04
2461	193	5.56	-9.99	-0.57	0.0	5.63e-04	-4.11e-04
2461	208	11.39	-4.42	-0.21	0.0	9.33e-04	-7.44e-04
2461	225	6.61	-11.73	-0.61	0.0	6.59e-04	-4.89e-04
2462	28	0.23	-0.98	-0.83	0.0	1.27e-04	-1.00e-05
2462	44	0.20	-1.43	-0.76	0.0	1.12e-04	-7.41e-06
2462	52	0.23	-0.25	-0.79	0.0	1.24e-04	-8.39e-06
2462	80	0.16	-0.66	-0.58	0.0	8.86e-05	-5.92e-06
2462	88	0.14	-0.96	-0.54	0.0	7.87e-05	-4.19e-06
2462	92	0.17	-0.18	-0.56	0.0	8.65e-05	-4.84e-06
2462	98	0.14	-0.15	-0.47	0.0	7.11e-05	-2.59e-06
2462	105	0.13	-0.30	-0.46	0.0	6.81e-05	-2.13e-06
2462	107	0.13	-0.14	-0.45	0.0	6.74e-05	-1.78e-06
2462	112	8.75	-3.54	-0.23	0.0	7.05e-04	-5.44e-04
2462	129	4.93	-9.54	-0.82	0.0	4.92e-04	-3.49e-04
2462	144	9.84	-3.98	-0.20	0.0	7.86e-04	-6.13e-04
2462	161	5.55	-10.73	-0.86	0.0	5.47e-04	-3.94e-04
2462	176	9.88	-3.96	-0.21	0.0	7.83e-04	-6.06e-04
2462	193	5.65	-10.72	-0.86	0.0	5.52e-04	-3.98e-04
2462	208	11.61	-4.62	-0.17	0.0	9.08e-04	-7.09e-04
2462	225	6.72	-12.57	-0.93	0.0	6.44e-04	-4.74e-04
2463	28	0.24	-0.98	-0.71	0.0	1.17e-04	-1.79e-05
2463	44	0.21	-1.43	-0.64	0.0	1.04e-04	-1.47e-05
2463	52	0.25	-0.26	-0.68	0.0	1.14e-04	-1.75e-05
2463	80	0.17	-0.66	-0.50	0.0	8.20e-05	-1.20e-05
2463	88	0.15	-0.97	-0.45	0.0	7.33e-05	-9.96e-06
2463	92	0.17	-0.18	-0.48	0.0	8.00e-05	-1.18e-05
2463	98	0.14	-0.15	-0.40	0.0	6.61e-05	-9.13e-06
2463	105	0.14	-0.31	-0.39	0.0	6.34e-05	-8.46e-06
2463	107	0.14	-0.15	-0.38	0.0	6.28e-05	-8.38e-06
2463	112	9.00	-3.54	-0.26	0.0	6.99e-04	-5.65e-04
2463	129	5.07	-9.52	-0.59	0.0	4.82e-04	-3.59e-04
2463	144	10.12	-3.97	-0.25	0.0	7.80e-04	-6.36e-04
2463	161	5.71	-10.71	-0.61	0.0	5.36e-04	-4.04e-04
2463	176	10.17	-3.95	-0.25	0.0	7.78e-04	-6.30e-04
2463	193	5.83	-10.70	-0.61	0.0	5.43e-04	-4.10e-04
2463	208	11.95	-4.62	-0.23	0.0	9.03e-04	-7.37e-04
2463	225	6.93	-12.55	-0.65	0.0	6.34e-04	-4.88e-04
2464	28	0.30	-1.08	-0.94	0.0	1.02e-04	-5.41e-06
2464	44	0.26	-1.55	-0.86	0.0	8.54e-05	-4.84e-06
2464	52	0.30	-0.32	-0.90	0.0	1.01e-04	-5.64e-06
2464	80	0.21	-0.73	-0.66	0.0	7.03e-05	-3.88e-06
2464	88	0.19	-1.05	-0.61	0.0	5.92e-05	-3.50e-06
2464	92	0.21	-0.23	-0.63	0.0	6.95e-05	-4.04e-06
2464	98	0.18	-0.19	-0.53	0.0	5.72e-05	-3.32e-06
2464	105	0.17	-0.35	-0.51	0.0	5.36e-05	-3.17e-06
2464	107	0.17	-0.18	-0.51	0.0	5.34e-05	-3.23e-06
2464	112	9.17	-3.69	-0.28	0.0	5.87e-04	-5.68e-04
2464	129	5.16	-10.06	-0.88	0.0	3.55e-04	-3.58e-04
2464	144	10.31	-4.14	-0.26	0.0	6.55e-04	-6.40e-04

2464	161	5.81	-11.31	-0.92	0.0	3.94e-04	-4.04e-04
2464	176	10.34	-4.11	-0.27	0.0	6.52e-04	-6.34e-04
2464	193	5.92	-11.30	-0.92	0.0	3.95e-04	-4.09e-04
2464	208	12.15	-4.80	-0.23	0.0	7.55e-04	-7.42e-04
2464	225	7.03	-13.25	-0.99	0.0	4.57e-04	-4.87e-04
2465	28	0.31	-1.08	-0.80	0.0	9.10e-05	-4.70e-06
2465	44	0.27	-1.55	-0.73	0.0	7.79e-05	-4.46e-06
2465	52	0.31	-0.32	-0.77	0.0	9.06e-05	-5.11e-06
2465	80	0.22	-0.73	-0.56	0.0	6.35e-05	-3.52e-06
2465	88	0.19	-1.05	-0.51	0.0	5.48e-05	-3.36e-06
2465	92	0.22	-0.23	-0.55	0.0	6.32e-05	-3.79e-06
2465	98	0.18	-0.19	-0.45	0.0	5.31e-05	-3.25e-06
2465	105	0.17	-0.35	-0.44	0.0	5.02e-05	-3.16e-06
2465	107	0.17	-0.18	-0.43	0.0	5.01e-05	-3.25e-06
2465	112	9.42	-3.69	-0.30	0.0	5.98e-04	-5.69e-04
2465	129	5.30	-10.06	-0.65	0.0	-2.92e-05	-3.60e-04
2465	144	10.60	-4.14	-0.29	0.0	6.67e-04	-6.41e-04
2465	161	5.97	-11.31	-0.68	0.0	-3.87e-05	-4.06e-04
2465	176	10.64	-4.11	-0.29	0.0	6.64e-04	-6.35e-04
2465	193	6.09	-11.30	-0.67	0.0	-3.41e-05	-4.11e-04
2465	208	12.50	-4.80	-0.27	0.0	7.71e-04	-7.44e-04
2465	225	7.24	-13.25	-0.72	0.0	-4.37e-05	-4.89e-04
2466	28	0.20	-0.90	-0.60	0.0	9.82e-05	-2.58e-05
2466	44	0.17	-1.33	-0.54	0.0	8.74e-05	-2.32e-05
2466	52	0.21	-0.22	-0.59	0.0	9.65e-05	-2.42e-05
2466	80	0.14	-0.61	-0.42	0.0	6.89e-05	-1.78e-05
2466	88	0.12	-0.90	-0.38	0.0	6.17e-05	-1.61e-05
2466	92	0.15	-0.16	-0.41	0.0	6.77e-05	-1.67e-05
2466	98	0.12	-0.13	-0.34	0.0	5.62e-05	-1.35e-05
2466	105	0.11	-0.28	-0.33	0.0	5.39e-05	-1.30e-05
2466	107	0.12	-0.13	-0.33	0.0	5.35e-05	-1.27e-05
2466	112	8.84	-3.38	-0.27	0.0	8.78e-04	-5.79e-04
2466	129	4.99	-8.89	-0.43	0.0	4.89e-04	-3.69e-04
2466	144	9.96	-3.79	-0.26	0.0	9.83e-04	-6.51e-04
2466	161	5.62	-10.00	-0.45	0.0	5.46e-04	-4.15e-04
2466	176	10.01	-3.78	-0.26	0.0	9.81e-04	-6.47e-04
2466	193	5.75	-9.99	-0.44	0.0	5.52e-04	-4.22e-04
2466	208	11.77	-4.42	-0.25	0.0	1.14e-03	-7.57e-04
2466	225	6.84	-11.73	-0.46	0.0	6.47e-04	-5.02e-04
2467	28	0.25	-0.98	-0.65	0.0	1.06e-04	-1.76e-05
2467	44	0.22	-1.43	-0.58	0.0	9.43e-05	-1.56e-05
2467	52	0.26	-0.26	-0.63	0.0	1.03e-04	-1.69e-05
2467	80	0.18	-0.67	-0.45	0.0	7.41e-05	-1.21e-05
2467	88	0.16	-0.97	-0.41	0.0	6.65e-05	-1.08e-05
2467	92	0.18	-0.19	-0.44	0.0	7.25e-05	-1.16e-05
2467	98	0.15	-0.16	-0.37	0.0	6.01e-05	-9.36e-06
2467	105	0.14	-0.31	-0.36	0.0	5.77e-05	-8.96e-06
2467	107	0.14	-0.15	-0.35	0.0	5.72e-05	-8.80e-06
2467	112	9.27	-3.54	-0.29	0.0	6.85e-04	-5.73e-04
2467	129	5.22	-9.51	-0.46	0.0	4.69e-04	-3.65e-04
2467	144	10.43	-3.97	-0.28	0.0	7.64e-04	-6.45e-04
2467	161	5.88	-10.69	-0.48	0.0	5.22e-04	-4.11e-04
2467	176	10.48	-3.95	-0.28	0.0	7.63e-04	-6.40e-04
2467	193	6.01	-10.69	-0.47	0.0	5.29e-04	-4.16e-04
2467	208	12.32	-4.62	-0.27	0.0	8.86e-04	-7.49e-04
2467	225	7.15	-12.53	-0.49	0.0	6.19e-04	-4.96e-04
2468	28	0.31	-1.08	-0.73	0.0	8.72e-05	-4.56e-06
2468	44	0.27	-1.55	-0.65	0.0	7.58e-05	-4.17e-06
2468	52	0.31	-0.32	-0.72	0.0	8.70e-05	-4.96e-06
2468	80	0.22	-0.73	-0.51	0.0	6.13e-05	-3.35e-06
2468	88	0.19	-1.05	-0.46	0.0	5.37e-05	-3.09e-06
2468	92	0.22	-0.23	-0.50	0.0	6.12e-05	-3.62e-06
2468	98	0.18	-0.19	-0.42	0.0	5.17e-05	-3.02e-06
2468	105	0.17	-0.35	-0.40	0.0	4.92e-05	-2.91e-06
2468	107	0.17	-0.18	-0.40	0.0	4.91e-05	-3.00e-06
2468	112	9.68	-3.69	-0.33	0.0	6.18e-04	-5.66e-04
2468	129	5.44	-10.06	-0.51	0.0	-3.38e-05	-3.59e-04
2468	144	10.89	-4.14	-0.32	0.0	6.90e-04	-6.38e-04
2468	161	6.13	-11.31	-0.53	0.0	-4.36e-05	-4.05e-04
2468	176	10.94	-4.11	-0.33	0.0	6.88e-04	-6.32e-04
2468	193	6.26	-11.30	-0.52	0.0	-3.86e-05	-4.09e-04
2468	208	12.86	-4.80	-0.32	0.0	8.00e-04	-7.40e-04
2468	225	7.45	-13.25	-0.55	0.0	-4.85e-05	-4.88e-04
2469	28	0.22	-0.90	-0.57	0.0	9.08e-05	-2.41e-05
2469	44	0.19	-1.33	-0.50	0.0	8.02e-05	-2.38e-05

2469	52	0.22	-0.23	-0.56	0.0	9.02e-05	-2.03e-05
2469	80	0.15	-0.61	-0.40	0.0	6.38e-05	-1.66e-05
2469	88	0.13	-0.90	-0.36	0.0	5.68e-05	-1.65e-05
2469	92	0.15	-0.16	-0.39	0.0	6.34e-05	-1.41e-05
2469	98	0.13	-0.13	-0.33	0.0	5.27e-05	-1.15e-05
2469	105	0.12	-0.28	-0.31	0.0	5.04e-05	-1.17e-05
2469	107	0.12	-0.13	-0.31	0.0	5.03e-05	-1.09e-05
2469	112	9.13	-3.38	-0.28	0.0	8.61e-04	-5.76e-04
2469	129	5.15	-8.88	-0.36	0.0	4.81e-04	-3.68e-04
2469	144	10.28	-3.79	-0.28	0.0	9.64e-04	-6.47e-04
2469	161	5.80	-10.00	-0.37	0.0	5.37e-04	-4.15e-04
2469	176	10.34	-3.78	-0.28	0.0	9.62e-04	-6.43e-04
2469	193	5.94	-9.99	-0.37	0.0	5.44e-04	-4.22e-04
2469	208	12.16	-4.42	-0.28	0.0	1.12e-03	-7.53e-04
2469	225	7.08	-11.73	-0.38	0.0	6.38e-04	-5.02e-04
2470	28	0.26	-0.99	-0.61	0.0	9.46e-05	-1.60e-05
2470	44	0.23	-1.44	-0.54	0.0	8.38e-05	-1.55e-05
2470	52	0.27	-0.26	-0.60	0.0	9.37e-05	-1.40e-05
2470	80	0.19	-0.67	-0.43	0.0	6.65e-05	-1.11e-05
2470	88	0.16	-0.97	-0.38	0.0	5.93e-05	-1.08e-05
2470	92	0.19	-0.19	-0.42	0.0	6.59e-05	-9.80e-06
2470	98	0.16	-0.16	-0.35	0.0	5.47e-05	-7.98e-06
2470	105	0.15	-0.31	-0.34	0.0	5.24e-05	-8.01e-06
2470	107	0.15	-0.15	-0.34	0.0	5.22e-05	-7.57e-06
2470	112	9.54	-3.54	-0.30	0.0	8.24e-04	-5.71e-04
2470	129	5.37	-9.50	-0.39	0.0	4.56e-04	-3.64e-04
2470	144	10.73	-3.97	-0.30	0.0	9.22e-04	-6.42e-04
2470	161	6.05	-10.68	-0.40	0.0	5.08e-04	-4.11e-04
2470	176	10.79	-3.95	-0.30	0.0	9.21e-04	-6.37e-04
2470	193	6.20	-10.67	-0.40	0.0	5.15e-04	-4.16e-04
2470	208	12.70	-4.61	-0.30	0.0	1.07e-03	-7.46e-04
2470	225	7.38	-12.52	-0.41	0.0	6.03e-04	-4.95e-04
2471	28	0.31	-1.08	-0.69	0.0	8.65e-05	-4.41e-06
2471	44	0.27	-1.55	-0.61	0.0	7.61e-05	-3.89e-06
2471	52	0.31	-0.32	-0.68	0.0	8.65e-05	-4.80e-06
2471	80	0.22	-0.73	-0.49	0.0	6.10e-05	-3.19e-06
2471	88	0.19	-1.05	-0.43	0.0	5.41e-05	-2.84e-06
2471	92	0.22	-0.23	-0.48	0.0	6.10e-05	-3.45e-06
2471	98	0.18	-0.19	-0.40	0.0	5.15e-05	-2.81e-06
2471	105	0.18	-0.35	-0.38	0.0	4.92e-05	-2.67e-06
2471	107	0.18	-0.18	-0.38	0.0	4.92e-05	-2.76e-06
2471	112	9.93	-3.69	-0.35	0.0	6.47e-04	-5.62e-04
2471	129	5.59	-10.06	-0.44	0.0	-2.95e-05	-3.57e-04
2471	144	11.18	-4.14	-0.34	0.0	7.23e-04	-6.33e-04
2471	161	6.30	-11.31	-0.44	0.0	-3.88e-05	-4.03e-04
2471	176	11.24	-4.11	-0.34	0.0	7.22e-04	-6.27e-04
2471	193	6.44	-11.30	-0.44	0.0	-3.37e-05	-4.07e-04
2471	208	13.21	-4.80	-0.34	0.0	8.40e-04	-7.34e-04
2471	225	7.67	-13.25	-0.45	0.0	-4.25e-05	-4.85e-04
2472	28	0.23	-0.90	-0.55	0.0	8.37e-05	-2.28e-05
2472	44	0.20	-1.33	-0.49	0.0	7.26e-05	-2.56e-05
2472	52	0.23	-0.23	-0.55	0.0	8.53e-05	-1.56e-05
2472	80	0.16	-0.61	-0.39	0.0	5.90e-05	-1.57e-05
2472	88	0.14	-0.90	-0.34	0.0	5.15e-05	-1.76e-05
2472	92	0.16	-0.16	-0.39	0.0	6.00e-05	-1.09e-05
2472	98	0.13	-0.13	-0.32	0.0	4.99e-05	-8.91e-06
2472	105	0.13	-0.28	-0.31	0.0	4.73e-05	-1.01e-05
2472	107	0.13	-0.13	-0.31	0.0	4.77e-05	-8.46e-06
2472	112	9.41	-3.38	-0.29	0.0	8.47e-04	-5.64e-04
2472	127	0.48	-5.80	-0.32	0.0	7.57e-05	-5.18e-05
2472	129	5.31	-8.88	-0.32	0.0	4.75e-04	-3.62e-04
2472	144	10.59	-3.79	-0.29	0.0	9.49e-04	-6.34e-04
2472	159	0.53	-6.51	-0.33	0.0	7.95e-05	-5.79e-05
2472	161	5.98	-9.99	-0.32	0.0	5.30e-04	-4.08e-04
2472	176	10.66	-3.78	-0.29	0.0	9.48e-04	-6.30e-04
2472	191	0.56	-6.50	-0.33	0.0	8.12e-05	-6.10e-05
2472	193	6.13	-9.99	-0.32	0.0	5.38e-04	-4.14e-04
2472	208	12.55	-4.42	-0.29	0.0	1.11e-03	-7.37e-04
2472	223	0.66	-7.58	-0.33	0.0	8.83e-05	-7.36e-05
2472	225	7.31	-11.73	-0.32	0.0	6.31e-04	-4.93e-04
2473	28	0.27	-0.99	-0.60	0.0	8.44e-05	-1.49e-05
2473	44	0.24	-1.44	-0.52	0.0	7.27e-05	-1.62e-05
2473	52	0.27	-0.27	-0.59	0.0	8.65e-05	-1.09e-05
2473	80	0.19	-0.67	-0.42	0.0	5.95e-05	-1.03e-05
2473	88	0.17	-0.97	-0.37	0.0	5.17e-05	-1.12e-05

2473	92	0.19	-0.19	-0.42	0.0	6.09e-05	-7.63e-06
2473	98	0.16	-0.16	-0.35	0.0	5.06e-05	-6.24e-06
2473	105	0.15	-0.31	-0.33	0.0	4.78e-05	-6.83e-06
2473	107	0.15	-0.15	-0.33	0.0	4.83e-05	-5.94e-06
2473	112	9.81	-3.53	-0.32	0.0	8.03e-04	-5.62e-04
2473	127	0.52	-6.25	-0.35	0.0	7.03e-05	-4.98e-05
2473	129	5.53	-9.49	-0.34	0.0	4.45e-04	-3.60e-04
2473	144	11.04	-3.97	-0.32	0.0	8.98e-04	-6.33e-04
2473	159	0.57	-7.02	-0.35	0.0	7.34e-05	-5.60e-05
2473	161	6.23	-10.67	-0.35	0.0	4.96e-04	-4.06e-04
2473	176	11.11	-3.95	-0.32	0.0	8.97e-04	-6.28e-04
2473	191	0.60	-7.00	-0.35	0.0	7.51e-05	-5.87e-05
2473	193	6.38	-10.67	-0.35	0.0	5.03e-04	-4.11e-04
2473	208	13.07	-4.61	-0.32	0.0	1.05e-03	-7.35e-04
2473	223	0.71	-8.16	-0.35	0.0	8.12e-05	-7.12e-05
2473	225	7.61	-12.51	-0.35	0.0	5.90e-04	-4.89e-04
2474	28	0.32	-1.08	-0.68	0.0	8.67e-05	-4.03e-06
2474	44	0.27	-1.55	-0.59	0.0	7.68e-05	-3.44e-06
2474	52	0.32	-0.32	-0.67	0.0	8.67e-05	-4.43e-06
2474	80	0.22	-0.73	-0.47	0.0	6.13e-05	-2.89e-06
2474	88	0.19	-1.05	-0.42	0.0	5.47e-05	-2.49e-06
2474	92	0.22	-0.23	-0.47	0.0	6.14e-05	-3.15e-06
2474	98	0.19	-0.19	-0.39	0.0	5.16e-05	-2.54e-06
2474	105	0.18	-0.35	-0.37	0.0	4.94e-05	-2.37e-06
2474	107	0.18	-0.18	-0.37	0.0	4.94e-05	-2.46e-06
2474	112	10.19	-3.69	-0.36	0.0	6.71e-04	-5.59e-04
2474	127	0.55	-6.68	-0.39	0.0	-3.40e-04	-4.65e-05
2474	129	5.74	-10.06	-0.39	0.0	-2.22e-05	-3.55e-04
2474	144	11.47	-4.13	-0.36	0.0	7.50e-04	-6.29e-04
2474	159	0.60	-7.49	-0.40	0.0	-3.89e-04	-5.26e-05
2474	161	6.46	-11.31	-0.39	0.0	-3.07e-05	-4.01e-04
2474	176	11.53	-4.11	-0.36	0.0	7.50e-04	-6.23e-04
2474	191	0.64	-7.48	-0.39	0.0	-3.88e-04	-5.50e-05
2474	193	6.62	-11.30	-0.39	0.0	-2.55e-05	-4.05e-04
2474	208	13.57	-4.80	-0.36	0.0	8.73e-04	-7.29e-04
2474	223	0.74	-8.72	-0.40	0.0	-4.65e-04	-6.74e-05
2474	225	7.89	-13.25	-0.39	0.0	-3.30e-05	-4.83e-04
2475	4	0.23	0.46	-0.56	0.0	8.35e-05	-3.86e-06
2475	28	0.24	-0.91	-0.56	0.0	7.65e-05	-2.30e-05
2475	44	0.22	-1.33	-0.48	0.0	6.34e-05	-2.96e-05
2475	68	0.16	0.29	-0.39	0.0	5.87e-05	-2.93e-06
2475	80	0.17	-0.61	-0.39	0.0	5.41e-05	-1.57e-05
2475	88	0.15	-0.90	-0.34	0.0	4.53e-05	-2.01e-05
2475	98	0.14	-0.13	-0.33	0.0	4.79e-05	-6.29e-06
2475	105	0.13	-0.28	-0.31	0.0	4.46e-05	-8.65e-06
2475	107	0.13	-0.13	-0.31	0.0	4.57e-05	-5.98e-06
2475	112	9.69	-3.38	-0.30	0.0	8.39e-04	-5.45e-04
2475	126	-5.40	8.56	-0.32	0.0	-4.13e-04	3.28e-04
2475	129	5.46	-8.88	-0.30	0.0	4.71e-04	-3.51e-04
2475	144	10.90	-3.79	-0.30	0.0	9.40e-04	-6.14e-04
2475	158	-6.11	9.66	-0.33	0.0	-4.71e-04	3.71e-04
2475	161	6.16	-9.99	-0.30	0.0	5.26e-04	-3.96e-04
2475	176	10.98	-3.78	-0.30	0.0	9.40e-04	-6.09e-04
2475	190	-6.18	9.60	-0.33	0.0	-4.73e-04	3.71e-04
2475	193	6.32	-9.99	-0.30	0.0	5.34e-04	-4.01e-04
2475	208	12.92	-4.42	-0.30	0.0	1.10e-03	-7.13e-04
2475	222	-7.34	11.25	-0.33	0.0	-5.65e-04	4.38e-04
2475	225	7.54	-11.72	-0.29	0.0	6.28e-04	-4.78e-04
2476	4	0.27	0.46	-0.61	0.0	8.41e-05	-3.52e-06
2476	28	0.28	-0.99	-0.60	0.0	7.40e-05	-1.47e-05
2476	44	0.25	-1.44	-0.52	0.0	5.95e-05	-1.82e-05
2476	68	0.19	0.29	-0.42	0.0	5.91e-05	-2.62e-06
2476	80	0.20	-0.67	-0.42	0.0	5.24e-05	-1.01e-05
2476	88	0.18	-0.97	-0.37	0.0	4.27e-05	-1.24e-05
2476	98	0.16	-0.16	-0.35	0.0	4.76e-05	-4.53e-06
2476	105	0.16	-0.31	-0.33	0.0	4.39e-05	-5.81e-06
2476	107	0.16	-0.15	-0.33	0.0	4.55e-05	-4.32e-06
2476	112	10.08	-3.53	-0.33	0.0	7.90e-04	-5.50e-04
2476	126	-5.59	9.11	-0.35	0.0	-3.81e-04	3.33e-04
2476	129	5.68	-9.48	-0.32	0.0	4.39e-04	-3.52e-04
2476	144	11.34	-3.97	-0.33	0.0	8.84e-04	-6.19e-04
2476	158	-6.33	10.28	-0.35	0.0	-4.35e-04	3.77e-04
2476	161	6.40	-10.67	-0.32	0.0	4.90e-04	-3.98e-04
2476	176	11.42	-3.95	-0.33	0.0	8.84e-04	-6.14e-04
2476	190	-6.40	10.22	-0.35	0.0	-4.37e-04	3.76e-04

2476	193	6.57	-10.66	-0.32	0.0	4.97e-04	-4.02e-04
2476	208	13.44	-4.61	-0.33	0.0	1.03e-03	-7.18e-04
2476	222	-7.60	11.97	-0.35	0.0	-5.23e-04	4.44e-04
2476	225	7.83	-12.50	-0.32	0.0	5.84e-04	-4.79e-04
2477	4	0.31	0.45	-0.68	0.0	8.83e-05	-3.49e-06
2477	44	0.28	-1.55	-0.59	0.0	7.83e-05	-3.15e-06
2477	52	0.32	-0.32	-0.68	0.0	8.80e-05	-4.20e-06
2477	68	0.22	0.28	-0.48	0.0	6.25e-05	-2.50e-06
2477	88	0.20	-1.05	-0.42	0.0	5.58e-05	-2.27e-06
2477	92	0.23	-0.23	-0.48	0.0	6.24e-05	-2.97e-06
2477	98	0.19	-0.19	-0.40	0.0	5.25e-05	-2.38e-06
2477	105	0.18	-0.35	-0.38	0.0	5.03e-05	-2.21e-06
2477	107	0.18	-0.18	-0.38	0.0	5.03e-05	-2.30e-06
2477	112	10.45	-3.69	-0.37	0.0	6.85e-04	-5.53e-04
2477	126	-5.77	9.62	-0.39	0.0	-3.41e-04	3.38e-04
2477	129	5.89	-10.06	-0.36	0.0	4.24e-04	-3.52e-04
2477	144	11.76	-4.13	-0.37	0.0	7.65e-04	-6.23e-04
2477	158	-6.53	10.85	-0.40	0.0	-3.90e-04	3.81e-04
2477	161	6.63	-11.31	-0.36	0.0	4.72e-04	-3.97e-04
2477	176	11.84	-4.11	-0.37	0.0	7.65e-04	-6.16e-04
2477	190	-6.61	10.78	-0.39	0.0	-3.90e-04	3.80e-04
2477	193	6.80	-11.30	-0.36	0.0	4.77e-04	-4.01e-04
2477	208	13.93	-4.80	-0.37	0.0	8.92e-04	-7.21e-04
2477	222	-7.84	12.64	-0.40	0.0	-4.68e-04	4.47e-04
2477	225	8.11	-13.24	-0.36	0.0	5.58e-04	-4.78e-04
2478	4	0.23	0.46	-0.60	0.0	8.42e-05	3.13e-06
2478	28	0.26	-0.91	-0.58	0.0	6.85e-05	-2.43e-05
2478	44	0.24	-1.33	-0.50	0.0	5.18e-05	-3.52e-05
2478	68	0.16	0.29	-0.42	0.0	5.91e-05	1.89e-06
2478	80	0.18	-0.61	-0.41	0.0	4.86e-05	-1.64e-05
2478	88	0.17	-0.90	-0.35	0.0	3.76e-05	-2.37e-05
2478	98	0.14	-0.13	-0.34	0.0	4.65e-05	-3.71e-06
2478	105	0.14	-0.28	-0.33	0.0	4.20e-05	-7.45e-06
2478	107	0.14	-0.13	-0.33	0.0	4.45e-05	-3.52e-06
2478	112	9.95	-3.38	-0.32	0.0	8.37e-04	-5.21e-04
2478	129	5.62	-8.88	-0.28	0.0	4.71e-04	-3.36e-04
2478	130	-5.34	8.62	-0.38	0.0	-3.82e-04	3.29e-04
2478	144	11.20	-3.79	-0.31	0.0	9.37e-04	-5.87e-04
2478	161	6.33	-9.99	-0.27	0.0	5.26e-04	-3.79e-04
2478	162	-6.06	9.73	-0.38	0.0	-4.37e-04	3.72e-04
2478	176	11.28	-3.78	-0.32	0.0	9.38e-04	-5.81e-04
2478	193	6.50	-9.99	-0.27	0.0	5.34e-04	-3.84e-04
2478	194	-6.23	9.73	-0.38	0.0	-4.45e-04	3.77e-04
2478	208	13.28	-4.42	-0.31	0.0	1.10e-03	-6.81e-04
2478	225	7.76	-11.72	-0.26	0.0	6.29e-04	-4.57e-04
2478	226	-7.49	11.47	-0.39	0.0	-5.40e-04	4.50e-04
2479	4	0.27	0.46	-0.64	0.0	8.56e-05	0.0
2479	28	0.29	-0.99	-0.62	0.0	6.29e-05	-1.51e-05
2479	44	0.26	-1.44	-0.54	0.0	4.33e-05	-2.12e-05
2479	68	0.19	0.29	-0.45	0.0	6.00e-05	0.0
2479	80	0.20	-0.67	-0.44	0.0	4.49e-05	-1.03e-05
2479	88	0.18	-0.97	-0.38	0.0	3.18e-05	-1.43e-05
2479	98	0.17	-0.16	-0.37	0.0	4.60e-05	-2.87e-06
2479	105	0.16	-0.31	-0.35	0.0	4.05e-05	-4.95e-06
2479	107	0.16	-0.15	-0.35	0.0	4.40e-05	-2.73e-06
2479	112	10.34	-3.53	-0.34	0.0	7.83e-04	-5.33e-04
2479	129	5.83	-9.48	-0.30	0.0	4.37e-04	-3.42e-04
2479	130	-5.52	9.17	-0.40	0.0	-3.49e-04	3.37e-04
2479	144	11.64	-3.96	-0.34	0.0	8.77e-04	-6.00e-04
2479	161	6.58	-10.66	-0.30	0.0	4.87e-04	-3.86e-04
2479	162	-6.26	10.36	-0.41	0.0	-4.00e-04	3.81e-04
2479	176	11.72	-3.94	-0.34	0.0	8.77e-04	-5.94e-04
2479	193	6.75	-10.66	-0.30	0.0	4.95e-04	-3.90e-04
2479	194	-6.43	10.35	-0.41	0.0	-4.07e-04	3.85e-04
2479	208	13.80	-4.61	-0.34	0.0	1.02e-03	-6.95e-04
2479	225	8.05	-12.50	-0.29	0.0	5.82e-04	-4.65e-04
2479	226	-7.74	12.19	-0.42	0.0	-4.94e-04	4.59e-04
2480	4	0.32	0.45	-0.72	-2.75e-04	9.13e-05	-3.09e-06
2480	44	0.28	-1.55	-0.61	-1.67e-04	8.12e-05	-2.55e-06
2480	52	0.32	-0.32	-0.71	-2.45e-04	9.11e-05	-3.70e-06
2480	68	0.22	0.28	-0.51	-1.93e-04	6.48e-05	-2.20e-06
2480	88	0.20	-1.05	-0.43	-1.21e-04	5.81e-05	-1.84e-06
2480	92	0.23	-0.23	-0.50	-1.73e-04	6.47e-05	-2.60e-06
2480	98	0.19	-0.19	-0.42	-1.48e-04	5.46e-05	-2.07e-06
2480	105	0.18	-0.35	-0.39	-1.35e-04	5.24e-05	-1.88e-06

2480	107	0.18	-0.18	-0.40	-1.41e-04	5.25e-05	-1.99e-06
2480	112	10.71	-3.69	-0.38	-3.04e-04	7.03e-04	-5.45e-04
2480	129	6.04	-10.06	-0.35	1.45e-04	4.33e-04	-3.48e-04
2480	130	-5.68	9.69	-0.45	-4.27e-04	-3.28e-04	3.44e-04
2480	144	12.05	-4.13	-0.38	-3.24e-04	7.85e-04	-6.14e-04
2480	161	6.80	-11.31	-0.34	1.80e-04	4.82e-04	-3.92e-04
2480	162	-6.44	10.94	-0.45	-4.63e-04	-3.77e-04	3.88e-04
2480	176	12.13	-4.11	-0.38	-3.16e-04	7.86e-04	-6.07e-04
2480	193	6.98	-11.30	-0.34	1.77e-04	4.89e-04	-3.96e-04
2480	194	-6.62	10.93	-0.45	-4.59e-04	-3.84e-04	3.92e-04
2480	208	14.28	-4.79	-0.38	-3.42e-04	9.17e-04	-7.11e-04
2480	225	8.32	-13.24	-0.33	2.30e-04	5.73e-04	-4.71e-04
2480	226	-7.97	12.88	-0.46	-5.12e-04	-4.68e-04	4.67e-04
2481	4	0.23	0.46	-0.68	0.0	8.72e-05	1.00e-05
2481	28	0.27	-0.91	-0.64	0.0	5.91e-05	-2.53e-05
2481	44	0.26	-1.33	-0.55	0.0	3.72e-05	-4.02e-05
2481	68	0.16	0.29	-0.48	0.0	6.11e-05	6.69e-06
2481	80	0.19	-0.61	-0.45	0.0	4.24e-05	-1.68e-05
2481	88	0.18	-0.90	-0.39	0.0	2.78e-05	-2.68e-05
2481	98	0.14	-0.13	-0.39	0.0	4.59e-05	-1.03e-06
2481	105	0.14	-0.28	-0.37	0.0	3.96e-05	-6.06e-06
2481	107	0.14	-0.13	-0.37	0.0	4.39e-05	0.0
2481	112	10.20	-3.38	-0.45	0.0	8.42e-04	-4.90e-04
2481	129	5.76	-8.88	-0.23	0.0	4.74e-04	-3.17e-04
2481	130	-5.49	8.62	-0.51	0.0	-3.86e-04	3.15e-04
2481	144	11.48	-3.79	-0.46	0.0	9.43e-04	-5.52e-04
2481	161	6.50	-9.99	-0.22	0.0	5.29e-04	-3.58e-04
2481	162	-6.22	9.73	-0.52	0.0	-4.42e-04	3.56e-04
2481	176	11.56	-3.78	-0.46	0.0	9.45e-04	-5.46e-04
2481	193	6.67	-9.99	-0.22	0.0	5.39e-04	-3.61e-04
2481	194	-6.40	9.73	-0.52	0.0	-4.51e-04	3.60e-04
2481	208	13.62	-4.42	-0.47	0.0	1.10e-03	-6.38e-04
2481	225	7.97	-11.72	-0.19	0.0	6.35e-04	-4.31e-04
2481	226	-7.70	11.46	-0.55	0.0	-5.47e-04	4.29e-04
2482	4	0.27	0.46	-0.73	0.0	9.09e-05	4.86e-06
2482	28	0.30	-0.99	-0.69	0.0	5.05e-05	-1.54e-05
2482	44	0.27	-1.44	-0.59	0.0	2.31e-05	-2.37e-05
2482	68	0.19	0.29	-0.51	0.0	6.36e-05	3.21e-06
2482	80	0.21	-0.67	-0.49	0.0	3.66e-05	-1.03e-05
2482	88	0.19	-0.97	-0.42	0.0	1.84e-05	-1.58e-05
2482	98	0.17	-0.16	-0.42	0.0	4.57e-05	-1.18e-06
2482	105	0.16	-0.31	-0.39	0.0	3.76e-05	-3.99e-06
2482	107	0.16	-0.15	-0.40	0.0	4.37e-05	-1.10e-06
2482	112	10.59	-3.53	-0.49	0.0	7.93e-04	-5.12e-04
2482	129	5.98	-9.48	-0.25	0.0	4.43e-04	-3.29e-04
2482	130	-5.66	9.17	-0.54	0.0	-3.56e-04	3.27e-04
2482	144	11.92	-3.96	-0.50	0.0	8.88e-04	-5.76e-04
2482	161	6.74	-10.66	-0.24	0.0	4.95e-04	-3.71e-04
2482	162	-6.42	10.35	-0.56	0.0	-4.08e-04	3.69e-04
2482	176	12.01	-3.94	-0.49	0.0	8.89e-04	-5.69e-04
2482	193	6.92	-10.65	-0.24	0.0	5.03e-04	-3.74e-04
2482	194	-6.61	10.35	-0.56	0.0	-4.16e-04	3.72e-04
2482	208	14.14	-4.61	-0.51	0.0	1.04e-03	-6.66e-04
2482	225	8.27	-12.50	-0.21	0.0	5.92e-04	-4.46e-04
2482	226	-7.95	12.19	-0.59	0.0	-5.05e-04	4.44e-04
2483	4	0.32	0.45	-0.83	-2.70e-04	9.59e-05	-3.14e-06
2483	44	0.28	-1.55	-0.67	-1.59e-04	8.58e-05	-2.29e-06
2483	52	0.32	-0.32	-0.81	-2.39e-04	9.59e-05	-3.64e-06
2483	68	0.22	0.28	-0.58	-1.90e-04	6.82e-05	-2.23e-06
2483	88	0.20	-1.05	-0.48	-1.16e-04	6.14e-05	-1.66e-06
2483	92	0.23	-0.23	-0.57	-1.69e-04	6.82e-05	-2.56e-06
2483	98	0.19	-0.19	-0.47	-1.45e-04	5.78e-05	-2.04e-06
2483	105	0.18	-0.35	-0.45	-1.32e-04	5.55e-05	-1.82e-06
2483	107	0.18	-0.18	-0.45	-1.39e-04	5.56e-05	-1.95e-06
2483	112	10.97	-3.68	-0.54	-3.18e-04	7.15e-04	-5.36e-04
2483	129	6.19	-10.06	-0.30	1.79e-04	4.41e-04	-3.42e-04
2483	130	-5.83	9.69	-0.60	-4.56e-04	-3.29e-04	3.38e-04
2483	144	12.35	-4.13	-0.55	-3.41e-04	7.99e-04	-6.04e-04
2483	161	6.97	-11.31	-0.28	2.19e-04	4.90e-04	-3.86e-04
2483	162	-6.61	10.94	-0.62	-4.96e-04	-3.79e-04	3.82e-04
2483	176	12.43	-4.11	-0.55	-3.32e-04	8.01e-04	-5.97e-04
2483	193	7.16	-11.30	-0.28	2.14e-04	4.98e-04	-3.89e-04
2483	194	-6.80	10.93	-0.62	-4.91e-04	-3.87e-04	3.85e-04
2483	208	14.63	-4.79	-0.57	-3.61e-04	9.34e-04	-6.98e-04
2483	225	8.55	-13.24	-0.25	2.73e-04	5.84e-04	-4.63e-04

2483	226	-8.18	12.88	-0.65	-5.50e-04	-4.73e-04	4.59e-04
2484	4	0.22	0.46	-0.80	0.0	9.26e-05	1.55e-05
2484	28	0.29	-0.91	-0.74	0.0	4.90e-05	-2.34e-05
2484	44	0.29	-1.33	-0.62	0.0	2.01e-05	-4.05e-05
2484	68	0.15	0.29	-0.56	0.0	6.47e-05	1.06e-05
2484	80	0.20	-0.61	-0.52	0.0	3.57e-05	-1.54e-05
2484	88	0.20	-0.90	-0.44	0.0	1.64e-05	-2.68e-05
2484	98	0.14	-0.13	-0.45	0.0	4.61e-05	1.68e-06
2484	105	0.15	-0.28	-0.42	0.0	3.75e-05	-4.02e-06
2484	107	0.14	-0.13	-0.43	0.0	4.41e-05	1.68e-06
2484	112	10.43	-3.38	-0.60	0.0	8.55e-04	-4.53e-04
2484	129	5.89	-8.88	-0.16	0.0	4.82e-04	-2.94e-04
2484	130	-5.62	8.62	-0.71	0.0	-3.94e-04	2.98e-04
2484	144	11.74	-3.79	-0.62	0.0	9.59e-04	-5.10e-04
2484	161	6.65	-9.99	-0.12	0.0	5.39e-04	-3.32e-04
2484	162	-6.37	9.73	-0.74	0.0	-4.51e-04	3.36e-04
2484	176	11.82	-3.78	-0.61	0.0	9.61e-04	-5.03e-04
2484	193	6.83	-9.99	-0.12	0.0	5.49e-04	-3.34e-04
2484	194	-6.56	9.73	-0.74	0.0	-4.61e-04	3.38e-04
2484	208	13.93	-4.42	-0.64	0.0	1.12e-03	-5.88e-04
2484	225	8.17	-11.72	-0.07	0.0	6.48e-04	-3.98e-04
2484	226	-7.89	11.46	-0.79	0.0	-5.59e-04	4.01e-04
2485	4	0.27	0.46	-0.86	0.0	1.00e-04	7.90e-06
2485	28	0.31	-0.99	-0.79	0.0	3.74e-05	-1.42e-05
2485	44	0.29	-1.44	-0.67	0.0	0.0	-2.36e-05
2485	68	0.19	0.29	-0.60	0.0	6.98e-05	5.36e-06
2485	80	0.22	-0.67	-0.56	0.0	2.80e-05	-9.35e-06
2485	88	0.20	-0.97	-0.47	0.0	3.11e-06	-1.56e-05
2485	98	0.17	-0.16	-0.49	0.0	4.69e-05	0.0
2485	105	0.16	-0.31	-0.46	0.0	3.54e-05	-2.79e-06
2485	107	0.16	-0.15	-0.46	0.0	4.49e-05	0.0
2485	112	10.83	-3.53	-0.64	0.0	8.14e-04	-4.88e-04
2485	129	6.12	-9.47	-0.17	0.0	4.56e-04	-3.14e-04
2485	130	-5.80	9.17	-0.76	0.0	-3.66e-04	3.15e-04
2485	144	12.19	-3.96	-0.66	0.0	9.12e-04	-5.50e-04
2485	161	6.90	-10.66	-0.13	0.0	5.09e-04	-3.55e-04
2485	162	-6.58	10.35	-0.79	0.0	-4.20e-04	3.56e-04
2485	176	12.28	-3.94	-0.65	0.0	9.14e-04	-5.42e-04
2485	193	7.09	-10.65	-0.14	0.0	5.18e-04	-3.57e-04
2485	194	-6.77	10.35	-0.79	0.0	-4.29e-04	3.58e-04
2485	208	14.46	-4.61	-0.68	0.0	1.07e-03	-6.34e-04
2485	225	8.47	-12.49	-0.08	0.0	6.10e-04	-4.25e-04
2485	226	-8.15	12.19	-0.85	0.0	-5.21e-04	4.26e-04
2486	4	0.32	0.45	-0.97	-3.04e-04	1.08e-04	-3.06e-06
2486	44	0.28	-1.55	-0.75	-1.75e-04	9.74e-05	-1.67e-06
2486	52	0.33	-0.32	-0.93	-2.67e-04	1.08e-04	-3.36e-06
2486	68	0.23	0.29	-0.68	-2.14e-04	7.68e-05	-2.16e-06
2486	88	0.20	-1.04	-0.53	-1.27e-04	7.00e-05	-1.24e-06
2486	92	0.23	-0.23	-0.65	-1.89e-04	7.70e-05	-2.36e-06
2486	98	0.19	-0.19	-0.55	-1.62e-04	6.58e-05	-1.86e-06
2486	105	0.18	-0.35	-0.51	-1.47e-04	6.34e-05	-1.61e-06
2486	107	0.18	-0.18	-0.52	-1.56e-04	6.34e-05	-1.79e-06
2486	112	11.22	-3.68	-0.70	-3.83e-04	7.49e-04	-5.27e-04
2486	129	6.33	-10.05	-0.21	2.50e-04	4.62e-04	-3.36e-04
2486	130	-5.97	9.69	-0.83	-5.62e-04	-3.36e-04	3.32e-04
2486	144	12.63	-4.13	-0.72	-4.12e-04	8.36e-04	-5.93e-04
2486	161	7.14	-11.31	-0.17	3.01e-04	5.14e-04	-3.79e-04
2486	162	-6.78	10.94	-0.87	-6.12e-04	-3.87e-04	3.76e-04
2486	176	12.72	-4.10	-0.72	-4.00e-04	8.38e-04	-5.86e-04
2486	193	7.34	-11.30	-0.18	2.95e-04	5.23e-04	-3.82e-04
2486	194	-6.97	10.93	-0.86	-6.06e-04	-3.96e-04	3.78e-04
2486	208	14.97	-4.79	-0.75	-4.36e-04	9.76e-04	-6.85e-04
2486	225	8.76	-13.24	-0.12	3.70e-04	6.13e-04	-4.54e-04
2486	226	-8.39	12.88	-0.92	-6.82e-04	-4.86e-04	4.51e-04
2487	4	0.21	0.46	-1.00	0.0	1.00e-04	1.64e-05
2487	44	0.31	-1.33	-0.73	0.0	3.50e-06	-3.05e-05
2487	68	0.15	0.29	-0.70	0.0	7.01e-05	1.13e-05
2487	88	0.22	-0.90	-0.53	0.0	5.48e-06	-2.00e-05
2487	98	0.14	-0.13	-0.56	0.0	4.75e-05	3.58e-06
2487	105	0.15	-0.28	-0.52	0.0	3.64e-05	-1.24e-06
2487	107	0.14	-0.13	-0.53	0.0	4.55e-05	3.51e-06
2487	112	10.63	-3.38	-0.84	0.0	8.87e-04	-4.16e-04
2487	129	6.01	-8.88	-9.99e-03	0.0	5.01e-04	-2.70e-04
2487	130	-5.74	8.62	-1.06	0.0	-4.10e-04	2.77e-04
2487	144	11.97	-3.79	-0.88	0.0	9.94e-04	-4.69e-04

2487	161	6.78	-9.99	0.06	0.0	5.61e-04	-3.06e-04
2487	162	-6.51	9.73	-1.12	0.0	-4.70e-04	3.13e-04
2487	176	12.06	-3.78	-0.86	0.0	9.98e-04	-4.60e-04
2487	193	6.97	-9.99	0.05	0.0	5.72e-04	-3.06e-04
2487	194	-6.70	9.73	-1.11	0.0	-4.81e-04	3.13e-04
2487	216	14.26	-5.14	-0.39	0.0	1.10e-03	-6.01e-04
2487	225	8.34	-11.72	0.15	0.0	6.75e-04	-3.64e-04
2487	226	-8.07	11.46	-1.21	0.0	-5.84e-04	3.71e-04
2488	4	0.26	0.46	-1.06	0.0	1.12e-04	7.46e-06
2488	28	0.32	-0.99	-0.94	0.0	2.59e-05	-1.04e-05
2488	44	0.30	-1.44	-0.78	0.0	-2.23e-05	-1.82e-05
2488	68	0.18	0.29	-0.74	0.0	7.80e-05	5.10e-06
2488	80	0.22	-0.67	-0.67	0.0	2.06e-05	-6.83e-06
2488	88	0.21	-0.97	-0.56	0.0	-1.15e-05	-1.20e-05
2488	98	0.17	-0.16	-0.59	0.0	4.96e-05	0.0
2488	105	0.17	-0.31	-0.55	0.0	3.46e-05	-1.64e-06
2488	107	0.16	-0.15	-0.56	0.0	4.75e-05	0.0
2488	112	11.06	-3.53	-0.88	0.0	8.61e-04	-4.68e-04
2488	129	6.25	-9.47	-0.02	0.0	4.84e-04	-3.02e-04
2488	130	-5.93	9.17	-1.11	0.0	-3.89e-04	3.04e-04
2488	144	12.44	-3.96	-0.92	0.0	9.64e-04	-5.28e-04
2488	161	7.05	-10.66	0.05	0.0	5.41e-04	-3.41e-04
2488	162	-6.73	10.35	-1.18	0.0	-4.46e-04	3.43e-04
2488	176	12.54	-3.94	-0.91	0.0	9.68e-04	-5.20e-04
2488	193	7.25	-10.65	0.04	0.0	5.52e-04	-3.42e-04
2488	194	-6.93	10.34	-1.17	0.0	-4.57e-04	3.44e-04
2488	216	14.79	-5.37	-0.42	0.0	1.05e-03	-6.77e-04
2488	225	8.66	-12.49	0.14	0.0	6.50e-04	-4.07e-04
2488	226	-8.34	12.19	-1.27	0.0	-5.55e-04	4.09e-04
2489	4	0.32	0.45	-1.16	-3.52e-04	1.30e-04	-3.69e-06
2489	44	0.28	-1.55	-0.86	-1.97e-04	1.20e-04	-2.39e-06
2489	52	0.33	-0.32	-1.10	-3.07e-04	1.31e-04	-4.03e-06
2489	68	0.23	0.29	-0.82	-2.48e-04	9.34e-05	-2.62e-06
2489	88	0.20	-1.04	-0.62	-1.45e-04	8.63e-05	-1.76e-06
2489	92	0.23	-0.23	-0.77	-2.18e-04	9.39e-05	-2.85e-06
2489	98	0.19	-0.19	-0.65	-1.87e-04	8.11e-05	-2.31e-06
2489	105	0.18	-0.35	-0.61	-1.70e-04	7.84e-05	-2.06e-06
2489	107	0.18	-0.18	-0.62	-1.80e-04	7.83e-05	-2.23e-06
2489	112	11.47	-3.68	-0.95	-4.73e-04	8.01e-04	-5.28e-04
2489	129	6.48	-10.05	-0.06	3.50e-04	4.97e-04	-3.37e-04
2489	130	-6.12	9.69	-1.18	-7.09e-04	-3.40e-04	3.33e-04
2489	144	12.91	-4.13	-0.99	-5.09e-04	8.93e-04	-5.95e-04
2489	161	7.31	-11.31	0.01	4.16e-04	5.51e-04	-3.80e-04
2489	162	-6.94	10.94	-1.26	-7.75e-04	-3.94e-04	3.76e-04
2489	176	13.01	-4.10	-0.97	-4.94e-04	8.96e-04	-5.88e-04
2489	193	7.51	-11.29	5.93e-03	4.08e-04	5.62e-04	-3.83e-04
2489	194	-7.15	10.93	-1.25	-7.67e-04	-4.05e-04	3.78e-04
2489	208	15.32	-4.79	-1.03	-5.40e-04	1.04e-03	-6.87e-04
2489	225	8.97	-13.24	0.11	5.06e-04	6.57e-04	-4.56e-04
2489	226	-8.61	12.88	-1.35	-8.65e-04	-5.00e-04	4.51e-04
2490	4	0.20	0.46	-1.30	0.0	1.10e-04	7.01e-06
2490	44	0.33	-1.33	-0.92	0.0	-5.60e-06	-3.32e-06
2490	68	0.14	0.29	-0.92	0.0	7.70e-05	4.93e-06
2490	88	0.23	-0.90	-0.66	0.0	0.0	-1.95e-06
2490	98	0.14	-0.13	-0.72	0.0	5.12e-05	2.86e-06
2490	105	0.15	-0.28	-0.67	0.0	3.80e-05	1.77e-06
2490	107	0.13	-0.13	-0.69	0.0	4.90e-05	2.79e-06
2490	112	10.81	-3.38	-1.22	0.0	9.46e-04	-3.95e-04
2490	129	6.12	-8.88	0.23	0.0	5.37e-04	-2.54e-04
2490	130	-5.85	8.62	-1.61	0.0	-4.39e-04	2.60e-04
2490	144	12.17	-3.79	-1.29	0.0	1.06e-03	-4.45e-04
2490	161	6.90	-9.99	0.34	0.0	6.01e-04	-2.87e-04
2490	162	-6.64	9.73	-1.73	0.0	-5.03e-04	2.93e-04
2490	176	12.26	-3.78	-1.26	0.0	1.07e-03	-4.36e-04
2490	193	7.10	-9.99	0.33	0.0	6.14e-04	-2.87e-04
2490	194	-6.83	9.73	-1.71	0.0	-5.16e-04	2.92e-04
2490	216	14.56	-5.14	-0.46	0.0	1.19e-03	-5.62e-04
2490	225	8.49	-11.72	0.50	0.0	7.25e-04	-3.41e-04
2490	226	-8.23	11.46	-1.88	0.0	-6.27e-04	3.46e-04
2491	4	0.26	0.46	-1.35	0.0	1.24e-04	0.0
2491	28	0.32	-0.99	-1.17	0.0	2.12e-05	-3.46e-06
2491	44	0.31	-1.44	-0.96	0.0	-3.50e-05	-4.46e-06
2491	68	0.18	0.29	-0.95	0.0	8.65e-05	0.0
2491	80	0.22	-0.67	-0.83	0.0	1.79e-05	-2.39e-06
2491	88	0.22	-0.97	-0.68	0.0	-1.96e-05	-3.06e-06

2491	98	0.17	-0.16	-0.75	0.0	5.38e-05	-1.09e-06
2491	105	0.17	-0.31	-0.69	0.0	3.61e-05	-1.45e-06
2491	107	0.16	-0.15	-0.71	0.0	5.16e-05	-1.05e-06
2491	112	11.27	-3.53	-1.25	0.0	9.37e-04	-4.63e-04
2491	129	6.38	-9.47	0.22	0.0	5.30e-04	-2.96e-04
2491	130	-6.06	9.17	-1.65	0.0	-4.27e-04	2.94e-04
2491	144	12.69	-3.96	-1.32	0.0	1.05e-03	-5.21e-04
2491	161	7.19	-10.65	0.34	0.0	5.92e-04	-3.35e-04
2491	162	-6.88	10.35	-1.76	0.0	-4.89e-04	3.32e-04
2491	176	12.78	-3.94	-1.29	0.0	1.05e-03	-5.13e-04
2491	193	7.40	-10.65	0.32	0.0	6.05e-04	-3.35e-04
2491	194	-7.08	10.34	-1.75	0.0	-5.02e-04	3.33e-04
2491	216	15.14	-5.37	-0.48	0.0	1.16e-03	-6.63e-04
2491	225	8.84	-12.49	0.50	0.0	7.14e-04	-3.99e-04
2491	226	-8.53	12.18	-1.93	0.0	-6.11e-04	3.96e-04
2492	4	0.32	0.45	-1.43	-3.83e-04	1.67e-04	-2.36e-06
2492	44	0.28	-1.55	-1.02	-2.06e-04	1.55e-04	0.0
2492	52	0.33	-0.32	-1.33	-3.31e-04	1.69e-04	-2.43e-06
2492	68	0.23	0.29	-1.00	-2.70e-04	1.20e-04	-1.63e-06
2492	88	0.20	-1.04	-0.73	-1.52e-04	1.12e-04	0.0
2492	92	0.23	-0.22	-0.94	-2.35e-04	1.21e-04	-1.68e-06
2492	98	0.19	-0.19	-0.79	-2.03e-04	1.06e-04	-1.25e-06
2492	105	0.18	-0.35	-0.74	-1.84e-04	1.02e-04	0.0
2492	107	0.18	-0.18	-0.76	-1.95e-04	1.02e-04	-1.19e-06
2492	112	11.73	-3.68	-1.30	-5.50e-04	8.78e-04	-5.23e-04
2492	129	6.63	-10.05	0.19	4.55e-04	5.47e-04	-3.33e-04
2492	130	-6.27	9.69	-1.70	-8.46e-04	-3.43e-04	3.31e-04
2492	144	13.20	-4.13	-1.36	-5.94e-04	9.76e-04	-5.89e-04
2492	161	7.48	-11.30	0.31	5.36e-04	6.05e-04	-3.76e-04
2492	162	-7.11	10.94	-1.82	-9.27e-04	-4.01e-04	3.74e-04
2492	176	13.30	-4.10	-1.34	-5.74e-04	9.80e-04	-5.82e-04
2492	193	7.69	-11.29	0.29	5.26e-04	6.17e-04	-3.78e-04
2492	194	-7.33	10.93	-1.81	-9.16e-04	-4.13e-04	3.76e-04
2492	216	15.71	-5.59	-0.53	-7.12e-05	1.16e-03	-7.56e-04
2492	225	9.19	-13.24	0.47	6.45e-04	7.19e-04	-4.50e-04
2492	226	-8.82	12.88	-1.98	-1.04e-03	-5.15e-04	4.48e-04
2493	4	0.05	0.40	-1.61	0.0	7.22e-06	1.37e-05
2493	44	0.13	-0.92	-1.10	0.0	1.57e-04	5.13e-05
2493	68	0.03	0.26	-1.13	0.0	5.80e-06	1.05e-05
2493	88	0.09	-0.62	-0.79	0.0	1.06e-04	3.56e-05
2493	98	0.04	-0.06	-0.89	0.0	2.38e-05	1.50e-05
2493	105	0.05	-0.17	-0.82	0.0	3.83e-05	1.86e-05
2493	107	0.04	-0.06	-0.85	0.0	2.23e-05	1.47e-05
2493	112	8.92	-2.76	-1.62	0.0	8.92e-04	-2.41e-04
2493	129	5.04	-6.37	0.51	0.0	5.05e-04	-1.47e-04
2493	130	-4.96	6.25	-2.21	0.0	-4.60e-04	1.76e-04
2493	144	10.05	-3.10	-1.71	0.0	1.00e-03	-2.74e-04
2493	161	5.70	-7.17	0.68	0.0	5.68e-04	-1.67e-04
2493	162	-5.62	7.06	-2.38	0.0	-5.24e-04	1.97e-04
2493	176	10.13	-3.11	-1.67	0.0	1.01e-03	-2.68e-04
2493	193	5.86	-7.19	0.66	0.0	5.83e-04	-1.66e-04
2493	194	-5.79	7.07	-2.36	0.0	-5.39e-04	1.96e-04
2493	216	12.15	-4.19	-0.54	0.0	1.18e-03	-3.45e-04
2493	225	7.03	-8.46	0.91	0.0	6.95e-04	-2.00e-04
2493	226	-6.95	8.34	-2.61	0.0	-6.50e-04	2.29e-04
2494	4	0.06	0.36	-1.61	-5.71e-04	3.37e-05	-1.95e-05
2494	44	0.04	-0.83	-1.10	-3.38e-04	1.86e-04	-1.15e-05
2494	52	0.06	-0.09	-1.49	-5.04e-04	7.15e-05	-1.80e-05
2494	68	0.04	0.24	-1.13	-4.02e-04	2.50e-05	-1.39e-05
2494	88	0.03	-0.55	-0.79	-2.46e-04	1.27e-04	-8.52e-06
2494	92	0.04	-0.06	-1.05	-3.58e-04	5.02e-05	-1.29e-05
2494	98	0.03	-0.05	-0.89	-3.08e-04	4.14e-05	-1.11e-05
2494	105	0.03	-0.15	-0.82	-2.80e-04	5.59e-05	-1.01e-05
2494	107	0.03	-0.05	-0.85	-2.95e-04	3.95e-05	-1.07e-05
2494	112	8.47	-2.62	-1.61	-7.35e-04	1.07e-03	-4.31e-04
2494	129	4.79	-5.75	0.51	3.51e-04	6.13e-04	-2.62e-04
2494	130	-4.73	5.65	-2.21	-9.41e-04	-5.34e-04	2.41e-04
2494	144	9.55	-2.95	-1.71	-7.90e-04	1.20e-03	-4.84e-04
2494	161	5.42	-6.48	0.68	4.33e-04	6.88e-04	-2.95e-04
2494	162	-5.35	6.38	-2.38	-1.02e-03	-6.09e-04	2.74e-04
2494	176	9.62	-2.96	-1.67	-7.64e-04	1.20e-03	-4.84e-04
2494	193	5.57	-6.50	0.66	4.29e-04	7.05e-04	-3.01e-04
2494	194	-5.51	6.40	-2.36	-1.02e-03	-6.26e-04	2.79e-04
2494	216	11.56	-3.97	-0.54	-8.41e-04	1.41e-03	-6.16e-04
2494	225	6.68	-7.65	0.91	5.48e-04	8.37e-04	-3.58e-04

2494	226	-6.62	7.55	-2.61	-1.14e-03	-7.58e-04	3.37e-04
2495	4	0.06	0.42	-1.62	0.0	3.77e-05	2.98e-05
2495	44	0.21	-1.02	-1.11	0.0	1.32e-04	8.94e-05
2495	68	0.04	0.28	-1.14	0.0	2.72e-05	2.25e-05
2495	88	0.14	-0.68	-0.79	0.0	9.03e-05	6.23e-05
2495	98	0.06	-0.07	-0.89	0.0	3.55e-05	2.89e-05
2495	105	0.07	-0.19	-0.82	0.0	4.42e-05	3.45e-05
2495	107	0.05	-0.07	-0.85	0.0	3.37e-05	2.81e-05
2495	112	9.39	-2.91	-1.62	0.0	9.49e-04	1.67e-04
2495	129	5.31	-7.00	0.51	0.0	5.41e-04	-1.02e-04
2495	130	-5.20	6.86	-2.22	0.0	-4.73e-04	1.58e-04
2495	144	10.58	-3.27	-1.71	0.0	1.07e-03	1.85e-04
2495	161	6.00	-7.88	0.68	0.0	6.07e-04	-1.18e-04
2495	162	-5.89	7.74	-2.39	0.0	-5.40e-04	1.74e-04
2495	176	10.66	-3.27	-1.68	0.0	1.07e-03	1.74e-04
2495	193	6.18	-7.89	0.66	0.0	6.23e-04	-1.11e-04
2495	194	-6.07	7.75	-2.37	0.0	-5.55e-04	1.67e-04
2495	216	12.78	-4.42	-0.54	0.0	1.25e-03	-2.21e-04
2495	225	7.40	-9.28	0.91	0.0	7.40e-04	-1.34e-04
2495	226	-7.29	9.14	-2.62	0.0	-6.73e-04	1.90e-04
2496	4	0.09	0.44	-1.62	0.0	7.37e-05	2.02e-05
2496	44	0.27	-1.13	-1.11	0.0	9.41e-05	9.51e-05
2496	68	0.06	0.29	-1.14	0.0	5.23e-05	1.57e-05
2496	88	0.19	-0.76	-0.80	0.0	6.59e-05	6.56e-05
2496	98	0.08	-0.09	-0.89	0.0	4.79e-05	2.48e-05
2496	105	0.09	-0.22	-0.83	0.0	4.88e-05	3.20e-05
2496	107	0.07	-0.09	-0.85	0.0	4.59e-05	2.41e-05
2496	112	9.90	-3.06	-1.62	0.0	1.01e-03	1.82e-04
2496	129	5.60	-7.63	0.51	0.0	5.78e-04	-1.22e-04
2496	130	-5.45	7.46	-2.22	0.0	-4.86e-04	1.70e-04
2496	144	11.16	-3.44	-1.72	0.0	1.13e-03	2.01e-04
2496	161	6.33	-8.59	0.68	0.0	6.47e-04	-1.40e-04
2496	162	-6.18	8.42	-2.39	0.0	-5.55e-04	1.88e-04
2496	176	11.24	-3.44	-1.68	0.0	1.14e-03	1.90e-04
2496	193	6.51	-8.60	0.66	0.0	6.63e-04	-1.33e-04
2496	194	-6.36	8.43	-2.37	0.0	-5.72e-04	1.81e-04
2496	216	13.45	-4.66	-0.54	0.0	1.31e-03	-2.59e-04
2496	225	7.80	-10.11	0.92	0.0	7.86e-04	-1.58e-04
2496	226	-7.65	9.93	-2.62	0.0	-6.94e-04	2.06e-04
2497	4	0.14	0.45	-1.63	0.0	1.04e-04	0.0
2497	44	0.31	-1.23	-1.11	0.0	4.78e-05	7.60e-05
2497	68	0.10	0.29	-1.14	0.0	7.31e-05	1.06e-06
2497	88	0.21	-0.83	-0.80	0.0	3.58e-05	5.17e-05
2497	98	0.11	-0.11	-0.90	0.0	5.61e-05	1.14e-05
2497	105	0.12	-0.25	-0.83	0.0	4.90e-05	1.90e-05
2497	107	0.10	-0.11	-0.86	0.0	5.38e-05	1.11e-05
2497	112	10.45	-3.22	-1.63	0.0	1.04e-03	-2.92e-04
2497	129	5.91	-8.27	0.51	0.0	5.97e-04	-1.81e-04
2497	130	-5.71	8.06	-2.23	0.0	-4.89e-04	2.04e-04
2497	144	11.76	-3.62	-1.72	0.0	1.17e-03	-3.30e-04
2497	161	6.68	-9.31	0.68	0.0	6.68e-04	-2.06e-04
2497	162	-6.47	9.09	-2.40	0.0	-5.60e-04	2.28e-04
2497	176	11.85	-3.61	-1.68	0.0	1.17e-03	-3.19e-04
2497	193	6.87	-9.31	0.66	0.0	6.84e-04	-2.02e-04
2497	194	-6.67	9.10	-2.38	0.0	-5.76e-04	2.24e-04
2497	216	14.16	-4.91	-0.55	0.0	1.34e-03	-3.98e-04
2497	225	8.22	-10.93	0.92	0.0	8.09e-04	-2.40e-04
2497	226	-8.02	10.72	-2.63	0.0	-7.01e-04	2.62e-04
2498	4	0.04	0.40	-1.92	0.0	-1.80e-05	5.16e-06
2498	44	0.09	-0.92	-1.27	0.0	9.20e-05	1.23e-04
2498	68	0.03	0.26	-1.35	0.0	-1.30e-05	5.41e-06
2498	88	0.06	-0.62	-0.92	0.0	6.03e-05	8.40e-05
2498	98	0.03	-0.06	-1.05	0.0	1.26e-06	2.15e-05
2498	105	0.03	-0.17	-0.97	0.0	1.21e-05	3.32e-05
2498	107	0.03	-0.06	-1.01	0.0	0.0	2.10e-05
2498	112	8.98	-2.76	-2.03	0.0	6.77e-04	-1.88e-04
2498	129	5.08	-6.37	0.85	0.0	3.76e-04	-1.08e-04
2498	130	-5.02	6.25	-2.86	0.0	-3.75e-04	1.50e-04
2498	144	10.12	-3.10	-2.16	0.0	7.64e-04	-2.15e-04
2498	161	5.74	-7.17	1.08	0.0	4.25e-04	-1.24e-04
2498	162	-5.68	7.06	-3.09	0.0	-4.24e-04	1.66e-04
2498	176	10.20	-3.11	-2.10	0.0	7.68e-04	-2.07e-04
2498	193	5.91	-7.19	1.05	0.0	4.37e-04	-1.20e-04
2498	194	-5.85	7.07	-3.06	0.0	-4.36e-04	1.62e-04
2498	216	12.27	-4.19	-0.62	0.0	8.97e-04	-2.62e-04

2498	225	7.09	-8.46	1.39	0.0	5.23e-04	-1.45e-04
2498	226	-7.03	8.34	-3.40	0.0	-5.22e-04	1.87e-04
2499	4	0.07	0.36	-1.94	-5.15e-04	3.37e-05	-1.99e-05
2499	44	0.05	-0.83	-1.29	-2.82e-04	1.86e-04	-1.14e-05
2499	52	0.07	-0.09	-1.78	-4.45e-04	7.15e-05	-1.82e-05
2499	68	0.05	0.24	-1.36	-3.63e-04	2.50e-05	-1.42e-05
2499	88	0.03	-0.56	-0.93	-2.08e-04	1.27e-04	-8.52e-06
2499	92	0.05	-0.07	-1.25	-3.17e-04	5.02e-05	-1.30e-05
2499	98	0.04	-0.05	-1.07	-2.74e-04	4.14e-05	-1.13e-05
2499	105	0.04	-0.15	-0.98	-2.48e-04	5.59e-05	-1.03e-05
2499	107	0.04	-0.05	-1.02	-2.64e-04	3.95e-05	-1.09e-05
2499	112	8.70	-2.63	-2.04	-7.26e-04	1.07e-03	-4.27e-04
2499	129	4.92	-5.76	0.84	4.14e-04	6.13e-04	-2.60e-04
2499	130	-4.85	5.65	-2.87	-9.42e-04	-5.34e-04	2.38e-04
2499	144	9.80	-2.95	-2.17	-7.83e-04	1.20e-03	-4.80e-04
2499	161	5.57	-6.48	1.07	5.00e-04	6.88e-04	-2.93e-04
2499	162	-5.49	6.38	-3.10	-1.03e-03	-6.09e-04	2.71e-04
2499	176	9.88	-2.97	-2.12	-7.56e-04	1.20e-03	-4.80e-04
2499	193	5.73	-6.51	1.04	4.96e-04	7.05e-04	-2.98e-04
2499	194	-5.65	6.40	-3.08	-1.02e-03	-6.26e-04	2.76e-04
2499	216	11.89	-3.97	-0.63	-8.36e-04	1.41e-03	-6.11e-04
2499	225	6.87	-7.66	1.38	6.21e-04	8.37e-04	-3.55e-04
2499	226	-6.79	7.56	-3.42	-1.15e-03	-7.58e-04	3.33e-04
2500	4	0.04	0.42	-1.91	0.0	3.57e-05	2.23e-05
2500	44	0.14	-1.02	-1.26	0.0	1.00e-04	2.22e-04
2500	68	0.02	0.28	-1.34	0.0	2.54e-05	1.90e-05
2500	88	0.09	-0.69	-0.91	0.0	6.83e-05	1.52e-04
2500	98	0.04	-0.07	-1.05	0.0	2.97e-05	4.53e-05
2500	105	0.04	-0.19	-0.97	0.0	3.54e-05	6.50e-05
2500	107	0.03	-0.07	-1.00	0.0	2.81e-05	4.41e-05
2500	112	9.38	-2.91	-2.03	0.0	8.87e-04	1.63e-04
2500	129	5.30	-7.00	0.85	0.0	5.04e-04	1.42e-04
2500	130	-5.23	6.86	-2.85	0.0	-4.48e-04	-5.36e-05
2500	144	10.57	-3.27	-2.15	0.0	9.97e-04	1.78e-04
2500	161	5.99	-7.88	1.08	0.0	5.67e-04	1.53e-04
2500	162	-5.93	7.74	-3.08	0.0	-5.11e-04	-6.52e-05
2500	176	10.65	-3.27	-2.10	0.0	1.00e-03	1.68e-04
2500	193	6.17	-7.89	1.05	0.0	5.82e-04	1.44e-04
2500	194	-6.10	7.75	-3.05	0.0	-5.25e-04	-5.54e-05
2500	216	12.80	-4.42	-0.62	0.0	1.17e-03	1.35e-04
2500	225	7.39	-9.28	1.39	0.0	6.92e-04	1.57e-04
2500	226	-7.33	9.14	-3.40	0.0	-6.36e-04	-6.87e-05
2501	4	0.07	0.44	-1.90	0.0	9.31e-05	-6.06e-06
2501	44	0.20	-1.13	-1.26	0.0	1.01e-04	2.35e-04
2501	68	0.05	0.29	-1.34	0.0	6.63e-05	-1.04e-06
2501	88	0.13	-0.76	-0.91	0.0	7.14e-05	1.60e-04
2501	98	0.06	-0.09	-1.04	0.0	5.90e-05	3.28e-05
2501	105	0.07	-0.22	-0.96	0.0	5.84e-05	5.69e-05
2501	107	0.06	-0.09	-1.00	0.0	5.66e-05	3.19e-05
2501	112	9.90	-3.06	-2.02	0.0	1.10e-03	1.57e-04
2501	129	5.60	-7.64	0.85	0.0	6.32e-04	1.45e-04
2501	130	-5.49	7.46	-2.85	0.0	-5.19e-04	-8.10e-05
2501	144	11.16	-3.45	-2.15	0.0	1.23e-03	1.72e-04
2501	161	6.33	-8.59	1.08	0.0	7.07e-04	1.58e-04
2501	162	-6.22	8.42	-3.08	0.0	-5.94e-04	-9.45e-05
2501	176	11.24	-3.44	-2.10	0.0	1.24e-03	1.60e-04
2501	193	6.52	-8.60	1.05	0.0	7.25e-04	1.48e-04
2501	194	-6.40	8.43	-3.05	0.0	-6.12e-04	-8.46e-05
2501	216	13.49	-4.66	-0.61	0.0	1.44e-03	1.59e-04
2501	225	7.81	-10.11	1.39	0.0	8.59e-04	1.65e-04
2501	226	-7.69	9.93	-3.39	0.0	-7.45e-04	-1.01e-04
2502	4	0.14	0.45	-1.90	0.0	1.26e-04	-3.43e-05
2502	44	0.25	-1.23	-1.26	0.0	8.17e-05	1.99e-04
2502	68	0.10	0.29	-1.34	0.0	8.96e-05	-2.17e-05
2502	88	0.17	-0.83	-0.91	0.0	6.00e-05	1.34e-04
2502	98	0.10	-0.11	-1.04	0.0	7.29e-05	1.27e-05
2502	105	0.11	-0.25	-0.96	0.0	6.67e-05	3.64e-05
2502	107	0.10	-0.11	-1.00	0.0	7.02e-05	1.24e-05
2502	112	10.54	-3.22	-2.02	0.0	1.20e-03	2.11e-04
2502	129	5.97	-8.27	0.85	0.0	6.91e-04	-1.57e-04
2502	130	-5.78	8.06	-2.84	0.0	-5.51e-04	1.81e-04
2502	144	11.87	-3.62	-2.15	0.0	1.34e-03	2.36e-04
2502	161	6.74	-9.31	1.08	0.0	7.73e-04	-1.78e-04
2502	162	-6.55	9.09	-3.07	0.0	-6.32e-04	2.03e-04
2502	176	11.96	-3.61	-2.09	0.0	1.35e-03	2.26e-04

2502	193	6.94	-9.31	1.05	0.0	7.92e-04	-1.73e-04
2502	194	-6.75	9.10	-3.05	0.0	-6.52e-04	1.97e-04
2502	216	14.32	-4.91	-0.61	0.0	1.56e-03	-3.61e-04
2502	225	8.31	-10.94	1.39	0.0	9.36e-04	-2.05e-04
2502	226	-8.11	10.72	-3.39	0.0	-7.96e-04	2.30e-04
2503	4	0.04	0.40	-2.12	-5.83e-05	-3.85e-05	-3.33e-05
2503	44	4.45e-03	-0.92	-1.35	2.04e-04	-4.17e-05	2.33e-04
2503	68	0.03	0.26	-1.49	-3.72e-05	-2.94e-05	-2.05e-05
2503	88	2.76e-03	-0.62	-0.98	1.37e-04	-3.15e-05	1.57e-04
2503	98	0.02	-0.06	-1.15	2.17e-05	-2.94e-05	1.87e-05
2503	105	0.01	-0.17	-1.06	4.37e-05	-2.96e-05	4.56e-05
2503	107	0.02	-0.06	-1.10	2.09e-05	-2.93e-05	1.82e-05
2503	112	9.02	-2.76	-2.41	-7.34e-04	3.90e-04	-1.96e-04
2503	129	5.10	-6.37	1.26	1.21e-03	2.09e-04	3.16e-05
2503	130	-5.07	6.25	-3.47	-1.17e-03	-2.67e-04	4.79e-06
2503	144	10.17	-3.10	-2.57	-8.28e-04	4.44e-04	-2.22e-04
2503	161	5.77	-7.17	1.56	1.36e-03	2.40e-04	3.31e-05
2503	162	-5.74	7.06	-3.77	-1.31e-03	-2.98e-04	3.23e-06
2503	176	10.25	-3.11	-2.50	-7.99e-04	4.46e-04	-2.16e-04
2503	193	5.94	-7.19	1.52	1.35e-03	2.45e-04	3.00e-05
2503	194	-5.91	7.07	-3.73	-1.30e-03	-3.04e-04	6.40e-06
2503	216	12.36	-4.19	-0.63	4.59e-04	5.13e-04	-2.76e-04
2503	225	7.13	-8.46	1.96	1.57e-03	2.99e-04	3.00e-05
2503	226	-7.10	8.34	-4.17	-1.53e-03	-3.57e-04	6.38e-06
2504	4	0.08	0.36	-2.15	-4.75e-04	3.37e-05	-2.25e-05
2504	44	0.05	-0.83	-1.37	-2.45e-04	1.86e-04	-1.12e-05
2504	52	0.08	-0.09	-1.94	-4.04e-04	7.15e-05	-1.99e-05
2504	68	0.06	0.24	-1.51	-3.35e-04	2.50e-05	-1.59e-05
2504	88	0.04	-0.56	-0.99	-1.82e-04	1.27e-04	-8.41e-06
2504	92	0.06	-0.07	-1.37	-2.88e-04	5.02e-05	-1.42e-05
2504	98	0.05	-0.06	-1.17	-2.51e-04	4.14e-05	-1.23e-05
2504	105	0.04	-0.15	-1.07	-2.26e-04	5.59e-05	-1.09e-05
2504	107	0.04	-0.05	-1.12	-2.41e-04	3.95e-05	-1.18e-05
2504	112	8.92	-2.63	-2.43	-7.12e-04	1.07e-03	-4.11e-04
2504	129	5.06	-5.76	1.25	4.46e-04	6.13e-04	-2.51e-04
2504	130	-4.97	5.65	-3.49	-9.29e-04	-5.34e-04	2.27e-04
2504	144	10.05	-2.96	-2.59	-7.70e-04	1.20e-03	-4.62e-04
2504	161	5.72	-6.49	1.54	5.33e-04	6.88e-04	-2.82e-04
2504	162	-5.63	6.38	-3.78	-1.02e-03	-6.09e-04	2.59e-04
2504	176	10.13	-2.97	-2.52	-7.43e-04	1.20e-03	-4.61e-04
2504	193	5.88	-6.51	1.51	5.29e-04	7.05e-04	-2.87e-04
2504	194	-5.80	6.40	-3.75	-1.01e-03	-6.26e-04	2.63e-04
2504	216	12.22	-3.97	-0.63	-8.26e-04	1.41e-03	-5.86e-04
2504	225	7.05	-7.66	1.94	6.56e-04	8.37e-04	-3.41e-04
2504	226	-6.97	7.56	-4.18	-1.14e-03	-7.58e-04	3.18e-04
2505	4	0.01	0.42	-2.11	-4.28e-05	4.34e-05	-2.69e-05
2505	41	-0.05	-0.98	-0.75	1.91e-04	1.53e-05	3.89e-04
2505	44	-0.03	-1.02	-1.34	2.07e-04	3.30e-05	4.07e-04
2505	68	4.62e-03	0.28	-1.48	-2.64e-05	2.99e-05	-1.36e-05
2505	85	-0.04	-0.66	-0.58	1.30e-04	1.12e-05	2.64e-04
2505	88	-0.03	-0.69	-0.97	1.40e-04	2.29e-05	2.76e-04
2505	98	-4.08e-03	-0.07	-1.15	2.97e-05	2.34e-05	4.84e-05
2505	104	-0.02	-0.17	-0.76	4.32e-05	1.31e-05	8.40e-05
2505	105	-0.01	-0.19	-1.05	5.01e-05	2.15e-05	9.21e-05
2505	106	-0.01	-0.05	-0.80	2.16e-05	1.35e-05	3.91e-05
2505	107	-5.64e-03	-0.07	-1.10	2.85e-05	2.20e-05	4.71e-05
2505	115	-9.24	2.77	0.20	7.89e-04	-7.94e-04	-4.97e-05
2505	129	5.21	-7.00	1.27	1.22e-03	4.77e-04	1.28e-04
2505	130	-5.22	6.86	-3.46	-1.17e-03	-4.33e-04	-3.38e-05
2505	147	-10.41	3.13	0.36	8.83e-04	-8.98e-04	-6.18e-05
2505	161	5.89	-7.88	1.56	1.37e-03	5.37e-04	1.37e-04
2505	162	-5.90	7.74	-3.76	-1.32e-03	-4.93e-04	-4.32e-05
2505	179	-10.49	3.13	0.29	8.55e-04	-9.04e-04	-5.20e-05
2505	193	6.07	-7.89	1.52	1.36e-03	5.51e-04	1.27e-04
2505	194	-6.08	7.75	-3.72	-1.30e-03	-5.07e-04	-3.24e-05
2505	219	-12.64	4.28	-1.56	-4.14e-04	-1.06e-03	-1.98e-05
2505	225	7.28	-9.28	1.96	1.59e-03	6.55e-04	1.36e-04
2505	226	-7.29	9.14	-4.16	-1.53e-03	-6.11e-04	-4.18e-05
2506	4	0.09	0.44	-2.10	-3.02e-05	1.28e-04	-6.80e-05
2506	44	0.03	-1.13	-1.33	2.02e-04	1.14e-04	4.29e-04
2506	68	0.06	0.29	-1.48	-1.76e-05	9.15e-05	-4.25e-05
2506	88	0.02	-0.76	-0.97	1.37e-04	8.21e-05	2.89e-04
2506	98	0.04	-0.09	-1.15	3.50e-05	7.91e-05	3.09e-05
2506	105	0.03	-0.22	-1.05	5.35e-05	7.59e-05	8.13e-05
2506	107	0.04	-0.09	-1.10	3.36e-05	7.62e-05	3.00e-05

2506	112	9.90	-3.06	-2.39	-7.22e-04	1.27e-03	1.39e-04
2506	129	5.60	-7.64	1.26	1.22e-03	7.35e-04	1.32e-04
2506	130	-5.52	7.46	-3.46	-1.16e-03	-5.82e-04	-7.20e-05
2506	144	11.15	-3.45	-2.55	-8.17e-04	1.42e-03	1.53e-04
2506	161	6.33	-8.59	1.56	1.37e-03	8.21e-04	1.44e-04
2506	162	-6.25	8.42	-3.75	-1.31e-03	-6.69e-04	-8.42e-05
2506	176	11.24	-3.44	-2.47	-7.88e-04	1.43e-03	1.42e-04
2506	193	6.51	-8.60	1.52	1.36e-03	8.42e-04	1.34e-04
2506	194	-6.44	8.43	-3.71	-1.30e-03	-6.90e-04	-7.38e-05
2506	216	13.51	-4.66	-0.64	4.72e-04	1.66e-03	1.44e-04
2506	225	7.81	-10.11	1.95	1.59e-03	9.95e-04	1.48e-04
2506	226	-7.74	9.93	-4.15	-1.52e-03	-8.43e-04	-8.81e-05
2507	4	0.17	0.45	-2.10	-1.76e-05	1.49e-04	-8.45e-05
2507	44	0.10	-1.23	-1.33	1.96e-04	1.40e-04	3.85e-04
2507	68	0.12	0.29	-1.47	-8.95e-06	1.07e-04	-5.50e-05
2507	88	0.07	-0.83	-0.97	1.33e-04	1.01e-04	2.58e-04
2507	98	0.09	-0.11	-1.14	4.00e-05	9.37e-05	1.54e-05
2507	105	0.08	-0.25	-1.05	5.65e-05	9.08e-05	6.32e-05
2507	107	0.09	-0.11	-1.09	3.84e-05	9.05e-05	1.49e-05
2507	112	10.62	-3.22	-2.38	-7.08e-04	1.37e-03	1.90e-04
2507	129	6.02	-8.27	1.26	1.22e-03	7.94e-04	3.28e-05
2507	130	-5.84	8.06	-3.45	-1.14e-03	-6.13e-04	-2.91e-06
2507	144	11.97	-3.62	-2.54	-8.01e-04	1.53e-03	2.12e-04
2507	161	6.80	-9.31	1.55	1.37e-03	8.87e-04	3.49e-05
2507	162	-6.62	9.09	-3.74	-1.29e-03	-7.06e-04	-5.00e-06
2507	176	12.06	-3.61	-2.46	-7.72e-04	1.54e-03	2.03e-04
2507	193	7.00	-9.31	1.51	1.36e-03	9.10e-04	3.08e-05
2507	194	-6.82	9.10	-3.70	-1.28e-03	-7.29e-04	0.0
2507	216	14.47	-4.91	-0.65	4.68e-04	1.79e-03	-3.36e-04
2507	225	8.38	-10.94	1.94	1.58e-03	1.07e-03	3.10e-05
2507	226	-8.21	10.72	-4.13	-1.50e-03	-8.93e-04	-1.15e-06
2508	4	0.19	0.46	-1.64	0.0	1.20e-04	-1.58e-05
2508	44	0.32	-1.33	-1.12	0.0	2.96e-06	4.62e-05
2508	68	0.14	0.29	-1.15	0.0	8.42e-05	-1.07e-05
2508	88	0.22	-0.90	-0.81	0.0	6.02e-06	3.06e-05
2508	98	0.14	-0.13	-0.90	0.0	5.75e-05	-1.39e-06
2508	105	0.15	-0.28	-0.84	0.0	4.41e-05	4.98e-06
2508	107	0.13	-0.13	-0.86	0.0	5.52e-05	-1.37e-06
2508	112	10.97	-3.38	-1.63	0.0	1.03e-03	-4.00e-04
2508	129	6.21	-8.88	0.51	0.0	5.89e-04	-2.52e-04
2508	130	-5.95	8.62	-2.24	0.0	-4.79e-04	2.49e-04
2508	144	12.35	-3.79	-1.73	0.0	1.16e-03	-4.51e-04
2508	161	7.01	-9.99	0.68	0.0	6.59e-04	-2.84e-04
2508	162	-6.75	9.73	-2.41	0.0	-5.49e-04	2.82e-04
2508	176	12.44	-3.78	-1.69	0.0	1.16e-03	-4.42e-04
2508	193	7.21	-9.99	0.66	0.0	6.75e-04	-2.84e-04
2508	194	-6.95	9.73	-2.39	0.0	-5.64e-04	2.81e-04
2508	216	14.83	-5.14	-0.55	0.0	1.32e-03	-5.61e-04
2508	225	8.63	-11.72	0.91	0.0	7.97e-04	-3.36e-04
2508	226	-8.37	11.46	-2.64	0.0	-6.87e-04	3.34e-04
2509	4	0.26	0.46	-1.66	0.0	1.27e-04	-1.92e-05
2509	28	0.32	-0.99	-1.40	0.0	2.50e-05	5.82e-06
2509	44	0.31	-1.44	-1.14	0.0	-3.14e-05	1.78e-05
2509	68	0.18	0.29	-1.16	0.0	8.87e-05	-1.35e-05
2509	80	0.22	-0.67	-0.99	0.0	2.06e-05	3.16e-06
2509	88	0.22	-0.97	-0.82	0.0	-1.71e-05	1.12e-05
2509	98	0.17	-0.16	-0.91	0.0	5.58e-05	-7.42e-06
2509	105	0.17	-0.31	-0.85	0.0	3.81e-05	-3.50e-06
2509	107	0.16	-0.15	-0.87	0.0	5.35e-05	-7.25e-06
2509	112	11.47	-3.53	-1.64	0.0	1.01e-03	-4.84e-04
2509	129	6.50	-9.47	0.50	0.0	5.73e-04	-3.07e-04
2509	130	-6.18	9.17	-2.25	0.0	-4.66e-04	2.93e-04
2509	144	12.91	-3.96	-1.74	0.0	1.13e-03	-5.44e-04
2509	161	7.33	-10.65	0.67	0.0	6.41e-04	-3.46e-04
2509	162	-7.01	10.35	-2.42	0.0	-5.34e-04	3.31e-04
2509	176	13.01	-3.94	-1.70	0.0	1.14e-03	-5.37e-04
2509	193	7.54	-10.65	0.65	0.0	6.56e-04	-3.47e-04
2509	194	-7.22	10.34	-2.40	0.0	-5.49e-04	3.33e-04
2509	216	15.47	-5.37	-0.56	0.0	1.28e-03	-6.88e-04
2509	225	9.02	-12.49	0.91	0.0	7.75e-04	-4.12e-04
2509	226	-8.70	12.18	-2.66	0.0	-6.68e-04	3.97e-04
2510	4	0.32	0.45	-1.70	-3.81e-04	2.17e-04	0.0
2510	44	0.28	-1.55	-1.17	-1.91e-04	2.04e-04	2.56e-06
2510	52	0.33	-0.32	-1.57	-3.23e-04	2.20e-04	0.0
2510	68	0.23	0.29	-1.19	-2.69e-04	1.57e-04	0.0

2510	88	0.20	-1.04	-0.84	-1.42e-04	1.48e-04	1.80e-06
2510	92	0.23	-0.22	-1.11	-2.30e-04	1.58e-04	0.0
2510	98	0.19	-0.19	-0.94	-2.00e-04	1.39e-04	0.0
2510	105	0.18	-0.35	-0.87	-1.80e-04	1.35e-04	0.0
2510	107	0.18	-0.18	-0.90	-1.93e-04	1.35e-04	0.0
2510	112	11.96	-3.68	-1.67	-5.88e-04	9.84e-04	-5.16e-04
2510	129	6.77	-10.05	0.48	3.90e-04	6.16e-04	-3.28e-04
2510	130	-6.41	9.69	-2.27	-7.75e-04	-3.47e-04	3.28e-04
2510	144	13.46	-4.13	-1.76	-6.37e-04	1.09e-03	-5.81e-04
2510	161	7.64	-11.30	0.66	4.63e-04	6.79e-04	-3.70e-04
2510	162	-7.27	10.94	-2.45	-8.48e-04	-4.10e-04	3.71e-04
2510	176	13.57	-4.10	-1.72	-6.14e-04	1.10e-03	-5.74e-04
2510	193	7.86	-11.29	0.64	4.59e-04	6.93e-04	-3.72e-04
2510	194	-7.49	10.93	-2.43	-8.44e-04	-4.24e-04	3.73e-04
2510	216	16.09	-5.59	-0.59	-6.83e-04	1.29e-03	-7.46e-04
2510	225	9.39	-13.24	0.89	5.67e-04	8.04e-04	-4.43e-04
2510	226	-9.02	12.88	-2.68	-9.52e-04	-5.35e-04	4.44e-04
2511	4	0.21	0.46	-1.90	0.0	1.30e-04	-5.08e-05
2511	28	0.29	-0.91	-1.57	0.0	7.99e-05	7.70e-05
2511	44	0.29	-1.34	-1.26	0.0	4.50e-05	1.34e-04
2511	68	0.15	0.30	-1.34	0.0	9.17e-05	-3.45e-05
2511	80	0.20	-0.61	-1.12	0.0	5.83e-05	5.07e-05
2511	88	0.20	-0.90	-0.91	0.0	3.51e-05	8.88e-05
2511	98	0.14	-0.13	-1.04	0.0	6.90e-05	-5.95e-06
2511	105	0.14	-0.28	-0.96	0.0	5.86e-05	1.31e-05
2511	107	0.13	-0.13	-1.00	0.0	6.64e-05	-5.85e-06
2511	112	11.15	-3.38	-2.02	0.0	1.16e-03	-4.05e-04
2511	129	6.32	-8.88	0.84	0.0	6.67e-04	-2.49e-04
2511	130	-6.05	8.62	-2.84	0.0	-5.34e-04	2.37e-04
2511	144	12.55	-3.79	-2.15	0.0	1.30e-03	-4.55e-04
2511	161	7.13	-9.99	1.07	0.0	7.46e-04	-2.80e-04
2511	162	-6.87	9.73	-3.07	0.0	-6.13e-04	2.68e-04
2511	176	12.65	-3.78	-2.09	0.0	1.31e-03	-4.48e-04
2511	193	7.34	-9.99	1.05	0.0	7.65e-04	-2.79e-04
2511	194	-7.07	9.73	-3.04	0.0	-6.32e-04	2.67e-04
2511	216	15.12	-5.14	-0.61	0.0	1.50e-03	-5.62e-04
2511	225	8.78	-11.72	1.39	0.0	9.04e-04	-3.30e-04
2511	226	-8.52	11.46	-3.38	0.0	-7.71e-04	3.18e-04
2512	4	0.28	0.46	-1.91	0.0	1.16e-04	-5.01e-05
2512	28	0.32	-0.99	-1.58	0.0	4.57e-05	2.10e-05
2512	44	0.30	-1.44	-1.27	0.0	3.29e-06	5.45e-05
2512	68	0.19	0.29	-1.34	0.0	8.11e-05	-3.52e-05
2512	80	0.22	-0.67	-1.12	0.0	3.42e-05	1.22e-05
2512	88	0.21	-0.97	-0.91	0.0	5.94e-06	3.45e-05
2512	98	0.17	-0.16	-1.05	0.0	5.50e-05	-1.79e-05
2512	105	0.17	-0.31	-0.97	0.0	4.20e-05	-6.94e-06
2512	107	0.17	-0.15	-1.00	0.0	5.27e-05	-1.75e-05
2512	112	11.70	-3.53	-2.02	0.0	1.07e-03	-5.45e-04
2512	129	6.64	-9.47	0.84	0.0	6.09e-04	-3.41e-04
2512	130	-6.31	9.17	-2.84	0.0	-5.04e-04	3.06e-04
2512	144	13.17	-3.96	-2.15	0.0	1.20e-03	-6.11e-04
2512	161	7.49	-10.65	1.07	0.0	6.82e-04	-3.83e-04
2512	162	-7.16	10.35	-3.07	0.0	-5.77e-04	3.48e-04
2512	176	13.27	-3.94	-2.09	0.0	1.21e-03	-6.06e-04
2512	193	7.70	-10.65	1.04	0.0	6.99e-04	-3.86e-04
2512	194	-7.37	10.34	-3.04	0.0	-5.94e-04	3.51e-04
2512	216	15.83	-5.37	-0.62	0.0	1.38e-03	-7.68e-04
2512	225	9.21	-12.49	1.38	0.0	8.28e-04	-4.57e-04
2512	226	-8.88	12.18	-3.38	0.0	-7.23e-04	4.22e-04
2513	4	0.32	0.45	-1.92	-3.54e-04	2.75e-04	0.0
2513	44	0.28	-1.55	-1.28	-1.58e-04	2.60e-04	3.69e-06
2513	52	0.33	-0.32	-1.76	-2.92e-04	2.78e-04	0.0
2513	68	0.23	0.29	-1.35	-2.50e-04	1.98e-04	0.0
2513	88	0.20	-1.04	-0.92	-1.19e-04	1.89e-04	2.60e-06
2513	92	0.23	-0.22	-1.24	-2.09e-04	2.01e-04	0.0
2513	98	0.19	-0.19	-1.05	-1.83e-04	1.77e-04	0.0
2513	105	0.18	-0.35	-0.97	-1.63e-04	1.73e-04	1.24e-06
2513	107	0.18	-0.18	-1.01	-1.76e-04	1.72e-04	0.0
2513	112	12.20	-3.68	-2.02	-5.95e-04	1.11e-03	-5.14e-04
2513	129	6.91	-10.05	0.83	4.46e-04	6.97e-04	-3.26e-04
2513	130	-6.55	9.69	-2.85	-7.99e-04	-3.53e-04	3.28e-04
2513	144	13.73	-4.13	-2.15	-6.47e-04	1.23e-03	-5.79e-04
2513	161	7.80	-11.30	1.06	5.25e-04	7.66e-04	-3.68e-04
2513	162	-7.43	10.94	-3.08	-8.78e-04	-4.22e-04	3.70e-04
2513	176	13.84	-4.10	-2.10	-6.22e-04	1.23e-03	-5.72e-04

2513	193	8.03	-11.29	1.03	5.21e-04	7.82e-04	-3.70e-04
2513	194	-7.66	10.93	-3.05	-8.74e-04	-4.38e-04	3.72e-04
2513	216	16.47	-5.59	-0.63	-6.91e-04	1.45e-03	-7.43e-04
2513	225	9.59	-13.24	1.37	6.36e-04	9.04e-04	-4.41e-04
2513	226	-9.23	12.88	-3.39	-9.89e-04	-5.60e-04	4.43e-04
2514	4	0.25	0.46	-2.09	-4.94e-06	1.39e-04	-8.43e-05
2514	44	0.19	-1.34	-1.33	1.92e-04	1.35e-04	2.86e-04
2514	68	0.18	0.30	-1.47	0.0	9.95e-05	-5.63e-05
2514	88	0.13	-0.90	-0.96	1.31e-04	9.71e-05	1.91e-04
2514	98	0.15	-0.13	-1.14	4.53e-05	8.77e-05	0.0
2514	105	0.14	-0.28	-1.05	5.99e-05	8.54e-05	3.81e-05
2514	107	0.14	-0.13	-1.09	4.34e-05	8.47e-05	0.0
2514	112	11.33	-3.38	-2.37	-6.87e-04	1.34e-03	-3.70e-04
2514	129	6.43	-8.88	1.25	1.20e-03	7.74e-04	-2.20e-04
2514	130	-6.15	8.62	-3.43	-1.12e-03	-6.05e-04	2.20e-04
2514	144	12.75	-3.79	-2.53	-7.79e-04	1.50e-03	-4.16e-04
2514	161	7.26	-9.99	1.54	1.35e-03	8.65e-04	-2.48e-04
2514	162	-6.98	9.73	-3.73	-1.26e-03	-6.96e-04	2.48e-04
2514	176	12.85	-3.78	-2.46	-7.50e-04	1.51e-03	-4.09e-04
2514	193	7.47	-9.99	1.50	1.34e-03	8.88e-04	-2.46e-04
2514	194	-7.19	9.73	-3.69	-1.25e-03	-7.19e-04	2.46e-04
2514	216	15.39	-5.14	-0.65	4.62e-04	1.76e-03	-5.15e-04
2514	225	8.94	-11.72	1.93	1.56e-03	1.05e-03	-2.92e-04
2514	226	-8.66	11.46	-4.12	-1.47e-03	-8.80e-04	2.92e-04
2515	4	0.32	0.46	-2.08	8.37e-06	8.28e-05	-7.54e-05
2515	44	0.27	-1.44	-1.33	1.93e-04	8.23e-05	1.40e-04
2515	52	0.33	-0.27	-1.88	8.65e-05	8.67e-05	-2.62e-05
2515	68	0.23	0.29	-1.47	9.15e-06	5.84e-05	-5.21e-05
2515	88	0.19	-0.97	-0.96	1.32e-04	5.80e-05	9.18e-05
2515	92	0.23	-0.19	-1.33	6.13e-05	6.09e-05	-1.93e-05
2515	98	0.19	-0.16	-1.14	5.16e-05	4.98e-05	-1.79e-05
2515	105	0.18	-0.31	-1.04	6.49e-05	4.83e-05	4.51e-06
2515	107	0.19	-0.15	-1.09	4.95e-05	4.76e-05	-1.75e-05
2515	112	12.02	-3.53	-2.36	-6.63e-04	1.12e-03	-5.26e-04
2515	129	6.83	-9.47	1.24	1.18e-03	6.35e-04	-3.27e-04
2515	130	-6.46	9.17	-3.42	-1.09e-03	-5.40e-04	2.92e-04
2515	144	13.52	-3.96	-2.52	-7.52e-04	1.26e-03	-5.91e-04
2515	161	7.70	-10.65	1.53	1.33e-03	7.13e-04	-3.67e-04
2515	162	-7.33	10.35	-3.71	-1.23e-03	-6.17e-04	3.32e-04
2515	176	13.63	-3.94	-2.45	-7.24e-04	1.27e-03	-5.85e-04
2515	193	7.93	-10.65	1.49	1.32e-03	7.32e-04	-3.70e-04
2515	194	-7.55	10.34	-3.67	-1.22e-03	-6.37e-04	3.35e-04
2515	216	16.29	-5.37	-0.64	4.55e-04	1.47e-03	-7.42e-04
2515	225	9.48	-12.49	1.92	1.53e-03	8.69e-04	-4.37e-04
2515	226	-9.10	12.18	-4.10	-1.43e-03	-7.74e-04	4.02e-04
2516	4	0.32	0.45	-2.08	-3.37e-04	3.13e-04	-1.53e-06
2516	44	0.28	-1.55	-1.33	-1.35e-04	2.98e-04	4.53e-06
2516	52	0.33	-0.32	-1.88	-2.73e-04	3.17e-04	0.0
2516	68	0.23	0.29	-1.46	-2.38e-04	2.26e-04	0.0
2516	88	0.20	-1.04	-0.96	-1.03e-04	2.16e-04	3.09e-06
2516	92	0.23	-0.22	-1.33	-1.95e-04	2.29e-04	0.0
2516	98	0.19	-0.19	-1.13	-1.72e-04	2.03e-04	0.0
2516	105	0.18	-0.35	-1.04	-1.51e-04	1.98e-04	0.0
2516	107	0.18	-0.18	-1.09	-1.66e-04	1.97e-04	0.0
2516	112	12.43	-3.68	-2.35	-5.92e-04	1.19e-03	-5.19e-04
2516	129	7.06	-10.05	1.23	4.71e-04	7.52e-04	-3.26e-04
2516	130	-6.69	9.69	-3.40	-8.03e-04	-3.58e-04	3.27e-04
2516	144	14.00	-4.13	-2.51	-6.45e-04	1.32e-03	-5.85e-04
2516	161	7.96	-11.30	1.52	5.51e-04	8.24e-04	-3.69e-04
2516	162	-7.59	10.94	-3.69	-8.83e-04	-4.31e-04	3.69e-04
2516	176	14.11	-4.10	-2.44	-6.20e-04	1.32e-03	-5.77e-04
2516	193	8.19	-11.29	1.48	5.47e-04	8.42e-04	-3.70e-04
2516	194	-7.83	10.93	-3.65	-8.79e-04	-4.48e-04	3.71e-04
2516	216	16.85	-5.59	-0.63	-6.89e-04	1.55e-03	-7.46e-04
2516	225	9.80	-13.24	1.91	6.65e-04	9.71e-04	-4.41e-04
2516	226	-9.43	12.88	-4.08	-9.97e-04	-5.77e-04	4.42e-04
2517	4	0.04	0.44	-2.17	-9.22e-05	0.0	-7.08e-05
2517	44	3.84e-03	-1.11	-1.41	4.40e-04	0.0	3.20e-04
2517	68	0.02	0.29	-1.53	-5.84e-05	0.0	-4.60e-05
2517	88	2.33e-03	-0.74	-1.02	2.96e-04	0.0	2.14e-04
2517	98	0.02	-0.07	-1.20	3.99e-05	0.0	1.32e-05
2517	105	0.01	-0.20	-1.10	8.92e-05	0.0	5.30e-05
2517	107	0.02	-0.07	-1.15	3.85e-05	0.0	1.29e-05
2517	112	9.02	-2.65	-2.58	4.08e-04	0.0	-2.36e-04
2517	129	5.10	-6.35	1.22	1.28e-03	0.0	3.12e-05

2517	130	-5.07	6.21	-3.52	-1.21e-03	0.0	-5.39e-06
2517	144	10.17	-2.98	-2.75	4.56e-04	0.0	-2.67e-04
2517	161	5.77	-7.15	1.51	1.44e-03	0.0	3.32e-05
2517	162	-5.74	7.01	-3.81	-1.36e-03	0.0	-7.42e-06
2517	176	10.25	-2.99	-2.70	4.46e-04	0.0	-2.63e-04
2517	193	5.94	-7.16	1.49	1.43e-03	0.0	2.90e-05
2517	194	-5.91	7.03	-3.79	-1.36e-03	0.0	-3.20e-06
2517	216	12.36	-4.03	-0.43	6.05e-04	0.0	-3.40e-04
2517	225	7.13	-8.42	1.94	1.67e-03	0.0	2.90e-05
2517	226	-7.10	8.29	-4.23	-1.60e-03	0.0	-3.18e-06
2518	4	0.08	0.37	-2.18	-4.95e-04	-1.42e-04	-2.33e-05
2518	44	0.05	-0.82	-1.42	-2.64e-04	-1.55e-04	-8.53e-06
2518	52	0.08	-0.08	-1.98	-4.25e-04	-1.46e-04	-1.96e-05
2518	68	0.06	0.25	-1.54	-3.50e-04	-1.08e-04	-1.63e-05
2518	88	0.04	-0.55	-1.03	-1.96e-04	-1.17e-04	-6.48e-06
2518	92	0.06	-0.06	-1.40	-3.03e-04	-1.12e-04	-1.39e-05
2518	98	0.05	-0.05	-1.20	-2.63e-04	-1.08e-04	-1.18e-05
2518	105	0.04	-0.15	-1.11	-2.38e-04	-1.09e-04	-1.01e-05
2518	107	0.04	-0.05	-1.15	-2.54e-04	-1.08e-04	-1.13e-05
2518	112	8.92	-2.43	-2.58	-7.12e-04	1.81e-04	-3.88e-04
2518	129	5.06	-5.67	1.22	4.31e-04	-1.51e-04	-2.37e-04
2518	130	-4.97	5.58	-3.52	-9.39e-04	-6.52e-05	2.14e-04
2518	144	10.05	-2.73	-2.76	-7.69e-04	2.18e-04	-4.36e-04
2518	161	5.72	-6.39	1.51	5.17e-04	-1.56e-04	-2.66e-04
2518	162	-5.63	6.30	-3.82	-1.02e-03	-6.02e-05	2.44e-04
2518	176	10.13	-2.75	-2.70	-7.43e-04	2.18e-04	-4.35e-04
2518	193	5.89	-6.40	1.49	5.12e-04	-1.53e-04	-2.70e-04
2518	194	-5.80	6.31	-3.79	-1.02e-03	-6.32e-05	2.48e-04
2518	216	12.22	-3.69	-0.43	-8.25e-04	2.49e-04	-5.52e-04
2518	225	7.05	-7.54	1.93	6.39e-04	-1.58e-04	-3.21e-04
2518	226	-6.97	7.44	-4.24	-1.15e-03	-5.84e-05	2.98e-04
2519	4	5.75e-03	0.48	-2.17	-6.74e-05	0.0	-1.05e-04
2519	41	-0.05	-1.27	-0.82	3.12e-04	0.0	5.33e-04
2519	44	-0.04	-1.32	-1.41	3.31e-04	0.0	5.45e-04
2519	68	7.79e-04	0.31	-1.53	-4.23e-05	0.0	-6.72e-05
2519	85	-0.04	-0.85	-0.63	2.11e-04	0.0	3.58e-04
2519	88	-0.03	-0.89	-1.02	2.23e-04	0.0	3.66e-04
2519	98	-7.44e-03	-0.09	-1.20	3.57e-05	0.0	2.98e-05
2519	104	-0.02	-0.22	-0.81	6.32e-05	0.0	9.08e-05
2519	105	-0.01	-0.24	-1.10	7.13e-05	0.0	9.59e-05
2519	106	-0.02	-0.06	-0.85	2.62e-05	0.0	2.40e-05
2519	107	-8.89e-03	-0.09	-1.15	3.44e-05	0.0	2.90e-05
2519	115	-9.23	2.67	0.28	-2.84e-04	0.0	-6.47e-05
2519	129	5.20	-7.01	1.22	1.24e-03	0.0	6.00e-05
2519	130	-5.21	6.83	-3.51	-1.18e-03	0.0	-1.96e-06
2519	147	-10.40	3.02	0.45	-3.25e-04	0.0	-7.63e-05
2519	161	5.88	-7.89	1.51	1.40e-03	0.0	6.36e-05
2519	162	-5.90	7.71	-3.81	-1.33e-03	0.0	-5.59e-06
2519	179	-10.48	3.03	0.40	-3.14e-04	0.0	-6.81e-05
2519	193	6.05	-7.90	1.49	1.39e-03	0.0	5.92e-05
2519	194	-6.07	7.73	-3.79	-1.32e-03	0.0	-1.21e-06
2519	219	-12.63	4.15	-1.87	-4.51e-04	0.0	2.59e-04
2519	225	7.27	-9.28	1.93	1.62e-03	0.0	6.17e-05
2519	226	-7.29	9.11	-4.23	-1.55e-03	0.0	-3.73e-06
2520	4	0.08	0.51	-2.17	-3.98e-05	0.0	-1.20e-04
2520	44	0.03	-1.46	-1.41	2.14e-04	0.0	5.78e-04
2520	68	0.06	0.33	-1.53	-2.44e-05	0.0	-7.74e-05
2520	88	0.02	-0.98	-1.02	1.45e-04	0.0	3.87e-04
2520	98	0.04	-0.11	-1.20	3.16e-05	0.0	2.70e-05
2520	105	0.03	-0.28	-1.10	5.24e-05	0.0	9.80e-05
2520	107	0.04	-0.10	-1.15	3.03e-05	0.0	2.62e-05
2520	112	9.90	-2.99	-2.57	-6.93e-04	0.0	1.32e-04
2520	129	5.60	-7.64	1.22	1.20e-03	0.0	5.31e-05
2520	130	-5.52	7.44	-3.51	-1.14e-03	0.0	0.0
2520	144	11.15	-3.37	-2.74	-7.83e-04	0.0	1.45e-04
2520	161	6.33	-8.60	1.51	1.35e-03	0.0	5.63e-05
2520	162	-6.26	8.39	-3.81	-1.29e-03	0.0	-3.80e-06
2520	176	11.24	-3.37	-2.68	-7.55e-04	0.0	1.36e-04
2520	193	6.52	-8.61	1.49	1.34e-03	0.0	5.17e-05
2520	194	-6.44	8.40	-3.78	-1.28e-03	0.0	0.0
2520	216	13.51	-4.56	-0.44	4.22e-04	0.0	-2.21e-04
2520	225	7.81	-10.11	1.93	1.56e-03	0.0	5.33e-05
2520	226	-7.74	9.90	-4.23	-1.50e-03	0.0	0.0
2521	4	0.17	0.52	-2.17	-8.82e-06	0.0	-1.20e-04
2521	44	0.10	-1.54	-1.41	1.18e-04	0.0	5.24e-04

2521	68	0.12	0.34	-1.53	-3.81e-06	0.0	-7.85e-05
2521	88	0.07	-1.03	-1.02	8.06e-05	0.0	3.51e-04
2521	98	0.09	-0.12	-1.20	3.24e-05	0.0	1.84e-05
2521	105	0.08	-0.30	-1.10	4.01e-05	0.0	8.40e-05
2521	107	0.09	-0.12	-1.15	3.09e-05	0.0	1.78e-05
2521	112	10.62	-3.11	-2.56	-6.39e-04	0.0	1.78e-04
2521	129	6.02	-8.25	1.21	1.16e-03	0.0	3.75e-05
2521	130	-5.84	8.02	-3.51	-1.10e-03	0.0	-1.88e-06
2521	144	11.96	-3.49	-2.74	-7.22e-04	0.0	1.98e-04
2521	161	6.80	-9.28	1.51	1.31e-03	0.0	3.97e-05
2521	162	-6.62	9.05	-3.80	-1.24e-03	0.0	-4.10e-06
2521	176	12.06	-3.49	-2.68	-6.93e-04	0.0	1.89e-04
2521	193	7.00	-9.29	1.48	1.29e-03	0.0	3.47e-05
2521	194	-6.82	9.05	-3.78	-1.23e-03	0.0	0.0
2521	216	14.47	-4.74	-0.44	3.54e-04	0.0	-3.21e-04
2521	225	8.38	-10.90	1.93	1.51e-03	0.0	3.46e-05
2521	226	-8.21	10.66	-4.22	-1.44e-03	0.0	0.0
2522	4	0.03	0.48	-2.25	-1.41e-04	0.0	-8.39e-05
2522	44	1.14e-03	-1.30	-1.49	7.04e-04	0.0	3.44e-04
2522	68	0.02	0.32	-1.59	-8.95e-05	0.0	-5.49e-05
2522	88	3.93e-04	-0.87	-1.08	4.74e-04	0.0	2.31e-04
2522	98	0.01	-0.08	-1.26	5.50e-05	0.0	1.04e-05
2522	105	0.01	-0.23	-1.16	1.36e-04	0.0	5.41e-05
2522	107	0.01	-0.07	-1.21	5.31e-05	0.0	1.02e-05
2522	112	9.02	-2.52	-0.61	4.95e-04	0.0	-2.55e-04
2522	129	5.10	-6.32	1.17	1.36e-03	0.0	3.01e-05
2522	130	-5.08	6.18	-3.58	-1.25e-03	0.0	-9.79e-06
2522	144	10.17	-2.83	-0.54	5.52e-04	0.0	-2.88e-04
2522	161	5.77	-7.11	1.47	1.52e-03	0.0	3.24e-05
2522	162	-5.74	6.97	-3.88	-1.42e-03	0.0	-1.20e-05
2522	176	10.25	-2.84	-0.55	5.46e-04	0.0	-2.85e-04
2522	193	5.94	-7.13	1.45	1.52e-03	0.0	2.79e-05
2522	194	-5.91	6.98	-3.86	-1.41e-03	0.0	-7.57e-06
2522	216	12.36	-3.83	-0.28	7.34e-04	0.0	-3.69e-04
2522	225	7.13	-8.38	1.91	1.77e-03	0.0	2.80e-05
2522	226	-7.10	8.23	-4.32	-1.67e-03	0.0	-7.65e-06
2523	4	0.08	0.38	-2.26	-5.15e-04	-2.14e-04	-2.32e-05
2523	44	0.05	-0.82	-1.50	-2.83e-04	-2.23e-04	1.18e-05
2523	52	0.08	-0.07	-2.06	-4.45e-04	-2.20e-04	-1.46e-05
2523	68	0.06	0.25	-1.60	-3.65e-04	-1.60e-04	-1.60e-05
2523	88	0.04	-0.55	-1.09	-2.10e-04	-1.66e-04	7.34e-06
2523	92	0.06	-0.05	-1.46	-3.18e-04	-1.64e-04	-1.03e-05
2523	98	0.05	-0.04	-1.26	-2.76e-04	-1.54e-04	-8.63e-06
2523	105	0.04	-0.14	-1.17	-2.51e-04	-1.54e-04	-4.95e-06
2523	107	0.04	-0.04	-1.21	-2.66e-04	-1.52e-04	-8.23e-06
2523	112	8.92	-2.23	-0.63	-7.13e-04	-6.09e-05	-3.74e-04
2523	129	5.06	-5.59	1.16	4.15e-04	-2.06e-04	-2.27e-04
2523	130	-4.97	5.51	-3.59	-9.48e-04	-9.74e-05	2.11e-04
2523	144	10.05	-2.52	-0.55	-7.68e-04	-4.96e-05	-4.20e-04
2523	161	5.72	-6.29	1.46	5.00e-04	-2.13e-04	-2.55e-04
2523	162	-5.63	6.21	-3.88	-1.03e-03	-9.05e-05	2.39e-04
2523	176	10.13	-2.53	-0.57	-7.44e-04	-5.56e-05	-4.19e-04
2523	193	5.89	-6.31	1.44	4.96e-04	-2.14e-04	-2.59e-04
2523	194	-5.80	6.23	-3.87	-1.03e-03	-8.99e-05	2.42e-04
2523	216	12.22	-3.41	-0.30	-8.25e-04	-7.23e-05	-5.33e-04
2523	225	7.06	-7.42	1.90	6.21e-04	-2.24e-04	-3.08e-04
2523	226	-6.97	7.34	-4.32	-1.15e-03	-7.95e-05	2.91e-04
2524	4	-0.01	0.56	-2.23	-9.26e-05	0.0	-1.36e-04
2524	41	-0.06	-1.62	-0.88	4.43e-04	0.0	6.22e-04
2524	44	-0.05	-1.68	-1.48	4.64e-04	0.0	6.33e-04
2524	68	-0.01	0.36	-1.58	-5.85e-05	0.0	-8.86e-05
2524	85	-0.05	-1.09	-0.68	2.98e-04	0.0	4.17e-04
2524	88	-0.04	-1.12	-1.07	3.13e-04	0.0	4.24e-04
2524	98	-0.02	-0.10	-1.25	4.28e-05	0.0	2.72e-05
2524	104	-0.03	-0.28	-0.86	8.49e-05	0.0	1.01e-04
2524	105	-0.02	-0.30	-1.15	9.45e-05	0.0	1.06e-04
2524	106	-0.03	-0.08	-0.90	3.16e-05	0.0	2.18e-05
2524	107	-0.02	-0.10	-1.20	4.12e-05	0.0	2.64e-05
2524	115	-9.21	2.57	-1.81	-3.07e-04	0.0	-7.36e-05
2524	129	5.17	-7.02	1.19	1.27e-03	0.0	6.44e-05
2524	130	-5.21	6.82	-3.58	-1.19e-03	0.0	-1.16e-05
2524	147	-10.38	2.91	-1.89	-3.51e-04	0.0	-8.61e-05
2524	161	5.85	-7.90	1.49	1.43e-03	0.0	6.88e-05
2524	162	-5.89	7.70	-3.88	-1.34e-03	0.0	-1.60e-05
2524	179	-10.46	2.92	-1.87	-3.43e-04	0.0	-7.89e-05

2524	193	6.03	-7.91	1.47	1.42e-03	0.0	6.40e-05
2524	194	-6.06	7.71	-3.86	-1.34e-03	0.0	-1.12e-05
2524	219	-12.60	4.01	-2.16	-4.98e-04	0.0	2.80e-04
2524	225	7.24	-9.30	1.93	1.66e-03	0.0	6.74e-05
2524	226	-7.27	9.10	-4.32	-1.58e-03	0.0	-1.46e-05
2525	4	0.08	0.58	-2.20	-4.04e-05	0.0	-1.33e-04
2525	44	0.02	-1.81	-1.45	2.08e-04	0.0	6.18e-04
2525	68	0.06	0.38	-1.56	-2.50e-05	0.0	-8.65e-05
2525	88	0.02	-1.21	-1.05	1.40e-04	0.0	4.14e-04
2525	98	0.04	-0.12	-1.23	3.01e-05	0.0	2.62e-05
2525	105	0.03	-0.33	-1.13	5.04e-05	0.0	1.03e-04
2525	107	0.04	-0.12	-1.18	2.88e-05	0.0	2.55e-05
2525	112	9.90	-2.92	-0.52	-6.67e-04	0.0	1.33e-04
2525	129	5.60	-7.65	1.22	1.17e-03	0.0	5.54e-05
2525	130	-5.53	7.42	-3.58	-1.12e-03	0.0	-4.51e-06
2525	144	11.16	-3.28	-0.44	-7.54e-04	0.0	1.46e-04
2525	161	6.33	-8.61	1.53	1.32e-03	0.0	5.89e-05
2525	162	-6.26	8.37	-3.88	-1.26e-03	0.0	-8.00e-06
2525	176	11.25	-3.28	-0.45	-7.27e-04	0.0	1.37e-04
2525	193	6.52	-8.61	1.51	1.31e-03	0.0	5.41e-05
2525	194	-6.45	8.38	-3.87	-1.25e-03	0.0	-3.22e-06
2525	216	13.52	-4.44	-0.15	3.86e-04	0.0	-2.31e-04
2525	225	7.82	-10.11	1.98	1.52e-03	0.0	5.61e-05
2525	226	-7.74	9.88	-4.33	-1.47e-03	0.0	-5.23e-06
2526	4	0.17	0.59	-2.19	5.70e-06	0.0	-1.30e-04
2526	44	0.10	-1.85	-1.43	2.98e-05	0.0	5.59e-04
2526	68	0.12	0.39	-1.55	5.30e-06	0.0	-8.48e-05
2526	88	0.07	-1.25	-1.04	2.13e-05	0.0	3.74e-04
2526	98	0.09	-0.13	-1.22	2.62e-05	0.0	1.88e-05
2526	105	0.08	-0.35	-1.12	2.35e-05	0.0	8.91e-05
2526	107	0.09	-0.13	-1.17	2.49e-05	0.0	1.83e-05
2526	112	10.62	-3.00	-0.49	-5.80e-04	0.0	1.76e-04
2526	129	6.02	-8.23	1.24	1.11e-03	0.0	3.89e-05
2526	130	-5.84	7.98	-3.58	-1.06e-03	0.0	-2.34e-06
2526	144	11.96	-3.37	-0.40	-6.55e-04	0.0	1.95e-04
2526	161	6.80	-9.26	1.55	1.25e-03	0.0	4.12e-05
2526	162	-6.62	9.00	-3.88	-1.20e-03	0.0	-4.66e-06
2526	176	12.06	-3.37	-0.42	-6.26e-04	0.0	1.86e-04
2526	193	7.00	-9.26	1.53	1.23e-03	0.0	3.61e-05
2526	194	-6.82	9.00	-3.87	-1.18e-03	0.0	0.0
2526	216	14.47	-4.58	-0.10	2.56e-04	0.0	-3.19e-04
2526	225	8.38	-10.87	2.00	1.44e-03	0.0	3.60e-05
2526	226	-8.21	10.61	-4.34	-1.39e-03	0.0	0.0
2527	4	0.25	0.52	-2.17	2.32e-05	0.0	-1.03e-04
2527	44	0.19	-1.57	-1.41	4.80e-05	0.0	4.05e-04
2527	68	0.18	0.34	-1.53	1.79e-05	0.0	-6.82e-05
2527	88	0.13	-1.06	-1.02	3.45e-05	0.0	2.71e-04
2527	98	0.15	-0.14	-1.20	3.78e-05	0.0	8.68e-06
2527	105	0.14	-0.32	-1.10	3.49e-05	0.0	6.06e-05
2527	107	0.14	-0.13	-1.15	3.61e-05	0.0	8.35e-06
2527	112	11.33	-3.21	-2.56	-6.03e-04	0.0	-3.31e-04
2527	129	6.43	-8.81	1.21	1.14e-03	0.0	2.79e-05
2527	130	-6.15	8.55	-3.51	-1.07e-03	0.0	-1.12e-05
2527	144	12.75	-3.60	-2.74	-6.83e-04	0.0	-3.74e-04
2527	161	7.26	-9.92	1.51	1.28e-03	0.0	3.02e-05
2527	162	-6.98	9.65	-3.80	-1.20e-03	0.0	-1.35e-05
2527	176	12.85	-3.59	-2.68	-6.53e-04	0.0	-3.66e-04
2527	193	7.47	-9.91	1.48	1.26e-03	0.0	2.58e-05
2527	194	-7.19	9.65	-3.78	-1.19e-03	0.0	-9.10e-06
2527	216	15.39	-4.89	-0.44	3.25e-04	0.0	-4.65e-04
2527	225	8.94	-11.63	1.93	1.47e-03	0.0	2.59e-05
2527	226	-8.66	11.36	-4.22	-1.40e-03	0.0	-9.24e-06
2528	4	0.33	0.50	-2.17	5.46e-05	0.0	-6.91e-05
2528	44	0.27	-1.58	-1.41	-5.12e-06	0.0	2.31e-04
2528	52	0.33	-0.27	-1.97	7.64e-05	0.0	0.0
2528	68	0.23	0.32	-1.53	3.95e-05	0.0	-4.62e-05
2528	88	0.20	-1.06	-1.02	0.0	0.0	1.54e-04
2528	92	0.23	-0.19	-1.39	5.40e-05	0.0	0.0
2528	98	0.20	-0.16	-1.20	4.54e-05	0.0	0.0
2528	105	0.19	-0.33	-1.10	3.38e-05	0.0	3.06e-05
2528	107	0.19	-0.15	-1.15	4.35e-05	0.0	0.0
2528	112	12.03	-3.30	-2.56	-5.81e-04	0.0	-4.43e-04
2528	129	6.84	-9.37	1.21	1.12e-03	0.0	-2.70e-04
2528	130	-6.46	9.06	-3.51	-1.04e-03	0.0	2.69e-04
2528	144	13.54	-3.71	-2.74	-6.59e-04	0.0	-4.99e-04

2528	161	7.71	-10.54	1.51	1.26e-03	0.0	-3.05e-04
2528	162	-7.33	10.23	-3.80	-1.17e-03	0.0	3.04e-04
2528	176	13.64	-3.69	-2.68	-6.30e-04	0.0	-4.92e-04
2528	193	7.93	-10.53	1.48	1.24e-03	0.0	-3.05e-04
2528	194	-7.56	10.22	-3.78	-1.16e-03	0.0	3.04e-04
2528	216	16.31	-5.04	-0.45	3.23e-04	0.0	-6.29e-04
2528	225	9.49	-12.34	1.93	1.45e-03	0.0	-3.62e-04
2528	226	-9.11	12.04	-4.22	-1.36e-03	0.0	3.61e-04
2529	4	0.32	0.45	-2.17	-4.27e-04	-1.78e-04	-7.03e-06
2529	44	0.28	-1.55	-1.41	4.01e-04	-1.67e-04	1.85e-06
2529	52	0.33	-0.31	-1.97	-2.17e-04	-1.78e-04	-4.69e-06
2529	68	0.23	0.29	-1.53	-2.95e-04	-1.33e-04	-4.93e-06
2529	88	0.20	-1.04	-1.03	2.57e-04	-1.26e-04	0.0
2529	92	0.23	-0.22	-1.40	-1.55e-04	-1.32e-04	-3.37e-06
2529	98	0.19	-0.19	-1.20	-1.38e-04	-1.26e-04	-2.86e-06
2529	105	0.18	-0.35	-1.11	-5.33e-05	-1.24e-04	-1.96e-06
2529	107	0.18	-0.18	-1.15	-1.33e-04	-1.24e-04	-2.78e-06
2529	112	12.43	-3.41	-2.56	-5.93e-04	2.46e-04	-5.31e-04
2529	129	7.06	-9.92	1.21	5.60e-04	7.76e-05	-3.31e-04
2529	130	-6.69	9.56	-3.51	-8.25e-04	-3.27e-04	3.26e-04
2529	144	14.00	-3.82	-2.74	-6.50e-04	2.93e-04	-5.98e-04
2529	161	7.96	-11.16	1.51	6.47e-04	1.04e-04	-3.74e-04
2529	162	-7.59	10.80	-3.81	-9.12e-04	-3.53e-04	3.68e-04
2529	176	14.10	-3.80	-2.68	-6.24e-04	2.95e-04	-5.92e-04
2529	193	8.19	-11.14	1.48	6.42e-04	1.09e-04	-3.76e-04
2529	194	-7.83	10.78	-3.78	-9.08e-04	-3.58e-04	3.70e-04
2529	216	16.85	-5.20	-0.45	-7.05e-04	3.48e-04	-7.60e-04
2529	225	9.80	-13.05	1.93	7.70e-04	1.55e-04	-4.47e-04
2529	226	-9.43	12.70	-4.23	-1.04e-03	-4.04e-04	4.41e-04
2530	4	0.25	0.58	-2.19	5.47e-05	0.0	-1.10e-04
2530	44	0.19	-1.82	-1.43	-1.05e-04	0.0	4.36e-04
2530	68	0.18	0.38	-1.55	3.83e-05	0.0	-7.25e-05
2530	88	0.14	-1.22	-1.04	-6.84e-05	0.0	2.91e-04
2530	98	0.15	-0.15	-1.22	3.05e-05	0.0	1.01e-05
2530	105	0.14	-0.35	-1.12	8.84e-06	0.0	6.58e-05
2530	107	0.14	-0.14	-1.17	2.90e-05	0.0	9.69e-06
2530	112	11.32	-3.04	-0.48	-5.32e-04	0.0	-3.23e-04
2530	129	6.43	-8.76	1.25	8.68e-04	0.0	2.91e-05
2530	130	-6.15	8.48	-3.58	-8.10e-04	0.0	-9.68e-06
2530	144	12.75	-3.42	-0.39	-6.02e-04	0.0	-3.65e-04
2530	161	7.26	-9.85	1.55	9.74e-04	0.0	3.13e-05
2530	162	-6.98	9.57	-3.89	-9.16e-04	0.0	-1.19e-05
2530	176	12.85	-3.41	-0.40	-5.72e-04	0.0	-3.56e-04
2530	193	7.47	-9.85	1.54	9.68e-04	0.0	2.68e-05
2530	194	-7.19	9.57	-3.87	-9.10e-04	0.0	-7.40e-06
2530	216	15.39	-4.66	-0.09	-6.77e-04	0.0	-4.54e-04
2530	225	8.94	-11.55	2.01	1.12e-03	0.0	2.68e-05
2530	226	-8.65	11.27	-4.34	-1.06e-03	0.0	-7.42e-06
2531	4	0.34	0.53	-2.20	1.01e-04	0.0	-7.16e-05
2531	44	0.29	-1.72	-1.43	-2.12e-04	0.0	2.55e-04
2531	52	0.34	-0.27	-1.99	6.46e-05	0.0	4.03e-06
2531	68	0.24	0.34	-1.55	7.02e-05	0.0	-4.76e-05
2531	88	0.21	-1.16	-1.04	-1.39e-04	0.0	1.70e-04
2531	92	0.24	-0.19	-1.42	4.56e-05	0.0	2.79e-06
2531	98	0.21	-0.16	-1.22	3.82e-05	0.0	2.24e-06
2531	105	0.19	-0.35	-1.13	0.0	0.0	3.57e-05
2531	107	0.20	-0.16	-1.17	3.65e-05	0.0	2.10e-06
2531	112	12.05	-3.09	-0.48	-5.06e-04	0.0	-4.28e-04
2531	129	6.85	-9.28	1.24	8.62e-04	0.0	-2.60e-04
2531	130	-6.46	8.97	-3.59	-7.89e-04	0.0	2.64e-04
2531	144	13.56	-3.46	-0.40	-5.74e-04	0.0	-4.82e-04
2531	161	7.73	-10.43	1.55	9.65e-04	0.0	-2.94e-04
2531	162	-7.33	10.12	-3.89	-8.92e-04	0.0	2.98e-04
2531	176	13.67	-3.45	-0.41	-5.44e-04	0.0	-4.75e-04
2531	193	7.95	-10.42	1.54	9.60e-04	0.0	-2.93e-04
2531	194	-7.56	10.11	-3.88	-8.87e-04	0.0	2.97e-04
2531	216	16.34	-4.73	-0.10	-6.39e-04	0.0	-6.09e-04
2531	225	9.51	-12.21	2.00	1.11e-03	0.0	-3.48e-04
2531	226	-9.11	11.90	-4.35	-1.04e-03	0.0	3.52e-04
2532	4	0.32	0.46	-2.22	-5.16e-04	-2.44e-04	-7.44e-06
2532	44	0.28	-1.55	-1.45	9.37e-04	-2.38e-04	0.0
2532	52	0.33	-0.31	-2.01	-1.61e-04	-2.47e-04	-5.44e-06
2532	68	0.23	0.29	-1.57	-3.52e-04	-1.81e-04	-5.24e-06
2532	88	0.20	-1.04	-1.06	6.16e-04	-1.77e-04	0.0
2532	92	0.23	-0.22	-1.43	-1.16e-04	-1.83e-04	-3.91e-06

2532	98	0.19	-0.18	-1.23	-1.03e-04	-1.70e-04	-3.32e-06
2532	105	0.18	-0.35	-1.14	4.49e-05	-1.68e-04	-2.52e-06
2532	107	0.18	-0.18	-1.18	-9.93e-05	-1.67e-04	-3.23e-06
2532	112	12.43	-3.14	-0.51	-5.95e-04	-5.96e-05	-5.33e-04
2532	129	7.06	-9.79	1.23	6.49e-04	-2.07e-04	-3.32e-04
2532	130	-6.69	9.44	-3.59	-8.48e-04	-1.27e-04	3.26e-04
2532	144	14.00	-3.52	-0.42	-6.57e-04	-4.61e-05	-6.00e-04
2532	161	7.96	-11.01	1.53	7.43e-04	-2.12e-04	-3.75e-04
2532	162	-7.59	10.65	-3.90	-9.42e-04	-1.22e-04	3.69e-04
2532	176	14.10	-3.50	-0.43	-6.31e-04	-5.02e-05	-5.94e-04
2532	193	8.19	-10.99	1.52	7.38e-04	-2.12e-04	-3.77e-04
2532	194	-7.83	10.63	-3.89	-9.36e-04	-1.23e-04	3.71e-04
2532	216	16.84	-4.81	-0.12	-7.23e-04	-6.37e-05	-7.63e-04
2532	225	9.80	-12.87	1.99	8.76e-04	-2.18e-04	-4.48e-04
2532	226	-9.43	12.52	-4.35	-1.07e-03	-1.16e-04	4.42e-04
2533	4	0.07	0.42	-2.98	-6.01e-04	-1.82e-04	-8.77e-06
2533	44	0.05	-0.82	-2.23	-3.65e-04	-1.82e-04	-1.47e-05
2533	52	0.08	-0.05	-2.80	-5.32e-04	-1.88e-04	-9.36e-06
2533	68	0.05	0.28	-2.13	-4.27e-04	-1.31e-04	-6.14e-06
2533	88	0.04	-0.55	-1.63	-2.70e-04	-1.31e-04	-1.01e-05
2533	92	0.05	-0.03	-2.01	-3.81e-04	-1.35e-04	-6.53e-06
2533	98	0.04	-0.03	-1.76	-3.32e-04	-1.18e-04	-5.36e-06
2533	105	0.04	-0.13	-1.66	-3.05e-04	-1.15e-04	-5.96e-06
2533	107	0.04	-0.03	-1.70	-3.20e-04	-1.14e-04	-5.08e-06
2533	112	8.92	-1.43	-2.63	-7.15e-04	-2.76e-04	-3.72e-04
2533	124	-0.23	3.64	-3.72	-1.12e-03	-8.16e-05	1.44e-05
2533	129	5.06	-5.28	0.05	4.81e-04	-2.57e-04	-2.24e-04
2533	144	10.05	-1.61	-2.74	-7.64e-04	-2.96e-04	-4.18e-04
2533	156	-0.28	4.10	-3.97	-1.22e-03	-7.73e-05	1.72e-05
2533	161	5.72	-5.95	0.27	5.81e-04	-2.76e-04	-2.53e-04
2533	176	10.13	-1.62	-2.69	-7.45e-04	-2.94e-04	-4.17e-04
2533	188	-0.32	4.07	-3.93	-1.21e-03	-7.56e-05	1.81e-05
2533	193	5.88	-5.94	0.25	5.68e-04	-2.79e-04	-2.56e-04
2533	216	12.22	-2.25	-2.76	-2.64e-04	-3.49e-04	-5.30e-04
2533	220	-0.43	4.76	-4.29	-1.35e-03	-6.76e-05	2.38e-05
2533	225	7.05	-6.97	0.58	7.14e-04	-3.11e-04	-3.05e-04
2534	4	0.03	0.93	-2.99	-8.34e-04	0.0	-2.46e-05
2534	44	4.94e-03	-2.61	-2.24	2.93e-03	0.0	1.13e-05
2534	68	0.02	0.62	-2.13	-5.53e-04	0.0	-1.70e-05
2534	88	3.37e-03	-1.74	-1.63	1.96e-03	0.0	6.91e-06
2534	98	0.02	-0.05	-1.76	4.11e-05	0.0	-9.32e-06
2534	105	0.01	-0.39	-1.66	4.22e-04	0.0	-5.54e-06
2534	107	0.01	-0.05	-1.70	3.93e-05	0.0	-8.90e-06
2534	112	9.03	-1.56	-2.63	2.57e-04	0.0	-4.50e-04
2534	124	-0.27	4.19	-3.72	-1.03e-03	0.0	1.71e-05
2534	129	5.11	-6.04	0.05	1.41e-03	0.0	-2.76e-04
2534	144	10.18	-1.75	-2.74	2.85e-04	0.0	-5.06e-04
2534	156	-0.31	4.73	-3.97	-1.16e-03	0.0	2.08e-05
2534	161	5.77	-6.80	0.26	1.59e-03	0.0	-3.10e-04
2534	176	10.26	-1.76	-2.69	2.75e-04	0.0	-5.05e-04
2534	188	-0.36	4.70	-3.93	-1.16e-03	0.0	2.17e-05
2534	193	5.94	-6.78	0.25	1.57e-03	0.0	-3.14e-04
2534	216	12.37	-2.44	-2.76	3.53e-04	0.0	-6.39e-04
2534	220	-0.46	5.49	-4.29	-1.36e-03	0.0	2.90e-05
2534	225	7.13	-7.95	0.57	1.83e-03	0.0	-3.73e-04
2535	4	0.03	0.94	-3.02	-8.34e-04	0.0	-1.51e-05
2535	44	8.63e-03	-2.63	-2.27	2.92e-03	0.0	-2.02e-05
2535	68	0.02	0.63	-2.16	-5.53e-04	0.0	-1.07e-05
2535	88	6.10e-03	-1.76	-1.65	1.95e-03	0.0	-1.41e-05
2535	98	0.02	-0.05	-1.78	3.99e-05	0.0	-9.33e-06
2535	105	0.01	-0.39	-1.68	4.20e-04	0.0	-9.74e-06
2535	107	0.02	-0.05	-1.72	3.82e-05	0.0	-8.91e-06
2535	112	9.03	-1.43	-2.63	2.24e-04	0.0	-4.51e-04
2535	124	-0.26	4.22	-3.72	-1.03e-03	0.0	1.72e-05
2535	129	5.11	-5.99	5.56e-03	1.39e-03	0.0	-2.76e-04
2535	144	10.18	-1.61	-2.75	2.48e-04	0.0	-5.07e-04
2535	156	-0.31	4.76	-3.96	-1.16e-03	0.0	2.09e-05
2535	161	5.78	-6.74	0.22	1.56e-03	0.0	-3.11e-04
2535	176	10.26	-1.63	-2.70	2.38e-04	0.0	-5.06e-04
2535	188	-0.35	4.73	-3.93	-1.16e-03	0.0	2.20e-05
2535	193	5.95	-6.73	0.21	1.55e-03	0.0	-3.15e-04
2535	216	12.37	-2.26	-2.79	3.06e-04	0.0	-6.40e-04
2535	220	-0.46	5.53	-4.28	-1.36e-03	0.0	2.93e-05
2535	225	7.13	-7.88	0.53	1.80e-03	0.0	-3.74e-04
2536	4	0.07	0.42	-3.02	-6.12e-04	-1.42e-04	-1.39e-05

2536	44	0.05	-0.82	-2.27	-3.76e-04	-1.42e-04	0.0
2536	52	0.07	-0.05	-2.84	-5.43e-04	-1.48e-04	-9.82e-06
2536	68	0.05	0.28	-2.16	-4.35e-04	-1.01e-04	-9.60e-06
2536	88	0.04	-0.55	-1.65	-2.77e-04	-1.01e-04	0.0
2536	92	0.05	-0.03	-2.04	-3.89e-04	-1.05e-04	-6.85e-06
2536	98	0.04	-0.03	-1.78	-3.39e-04	-8.92e-05	-5.63e-06
2536	105	0.04	-0.13	-1.68	-3.12e-04	-8.70e-05	-4.13e-06
2536	107	0.04	-0.03	-1.72	-3.27e-04	-8.56e-05	-5.34e-06
2536	112	8.92	-1.33	-2.63	-7.15e-04	-2.02e-04	-3.69e-04
2536	124	-0.23	3.66	-3.71	-1.12e-03	-4.94e-05	1.41e-05
2536	129	5.05	-5.24	6.02e-03	4.68e-04	-2.03e-04	-2.23e-04
2536	144	10.05	-1.49	-2.75	-7.64e-04	-2.17e-04	-4.16e-04
2536	156	-0.28	4.13	-3.96	-1.22e-03	-4.47e-05	1.68e-05
2536	161	5.71	-5.90	0.22	5.67e-04	-2.18e-04	-2.52e-04
2536	176	10.13	-1.51	-2.69	-7.45e-04	-2.15e-04	-4.15e-04
2536	188	-0.32	4.10	-3.92	-1.21e-03	-4.35e-05	1.76e-05
2536	193	5.88	-5.89	0.21	5.55e-04	-2.19e-04	-2.55e-04
2536	216	12.22	-2.11	-2.79	-2.80e-04	-2.56e-04	-5.28e-04
2536	220	-0.43	4.79	-4.28	-1.35e-03	-3.54e-05	2.30e-05
2536	225	7.05	-6.91	0.53	7.01e-04	-2.44e-04	-3.03e-04
2537	4	-0.02	1.36	-3.00	-5.69e-04	0.0	-2.22e-06
2537	42	-0.05	-4.09	-1.60	2.02e-03	0.0	-7.86e-05
2537	44	-0.05	-4.13	-2.25	2.04e-03	0.0	-8.41e-05
2537	68	-0.02	0.90	-2.14	-3.76e-04	0.0	-2.33e-06
2537	86	-0.04	-2.73	-1.21	1.35e-03	0.0	-5.33e-05
2537	88	-0.04	-2.76	-1.64	1.36e-03	0.0	-5.69e-05
2537	98	-0.02	-0.07	-1.77	4.08e-05	0.0	-1.25e-05
2537	104	-0.02	-0.59	-1.30	2.93e-04	0.0	-1.75e-05
2537	105	-0.02	-0.61	-1.67	3.03e-04	0.0	-2.07e-05
2537	106	-0.02	-0.05	-1.34	2.87e-05	0.0	-8.78e-06
2537	107	-0.02	-0.07	-1.71	3.90e-05	0.0	-1.19e-05
2537	115	-9.12	1.54	-0.78	-1.43e-04	0.0	5.04e-04
2537	124	-0.30	4.73	-3.73	-9.52e-04	0.0	2.16e-05
2537	129	5.12	-6.77	0.04	1.30e-03	0.0	-3.27e-04
2537	147	-10.28	1.75	-0.66	-1.66e-04	0.0	5.69e-04
2537	156	-0.35	5.33	-3.98	-1.08e-03	0.0	2.63e-05
2537	161	5.80	-7.62	0.26	1.46e-03	0.0	-3.68e-04
2537	179	-10.36	1.76	-0.71	-1.57e-04	0.0	5.67e-04
2537	188	-0.40	5.30	-3.94	-1.07e-03	0.0	2.78e-05
2537	193	5.97	-7.60	0.25	1.45e-03	0.0	-3.72e-04
2537	219	-12.48	2.48	-0.67	-2.31e-04	0.0	7.23e-04
2537	220	-0.50	6.20	-4.30	-1.25e-03	0.0	3.72e-05
2537	225	7.17	-8.90	0.57	1.69e-03	0.0	-4.42e-04
2538	4	-0.01	1.36	-3.02	-5.68e-04	0.0	-1.61e-05
2538	42	-0.04	-4.06	-1.62	2.02e-03	0.0	-3.25e-05
2538	44	-0.04	-4.09	-2.27	2.04e-03	0.0	-3.80e-05
2538	68	-9.69e-03	0.90	-2.16	-3.76e-04	0.0	-1.16e-05
2538	86	-0.03	-2.71	-1.22	1.35e-03	0.0	-2.25e-05
2538	88	-0.03	-2.73	-1.66	1.36e-03	0.0	-2.62e-05
2538	98	-0.01	-0.07	-1.78	4.02e-05	0.0	-1.25e-05
2538	104	-0.02	-0.58	-1.31	2.92e-04	0.0	-1.14e-05
2538	105	-0.02	-0.60	-1.68	3.02e-04	0.0	-1.45e-05
2538	106	-0.01	-0.05	-1.35	2.83e-05	0.0	-8.77e-06
2538	107	-0.01	-0.07	-1.72	3.85e-05	0.0	-1.19e-05
2538	115	-9.12	1.40	-0.81	-1.23e-04	0.0	5.02e-04
2538	124	-0.30	4.76	-3.72	-9.52e-04	0.0	2.11e-05
2538	129	5.13	-6.71	5.34e-03	1.29e-03	0.0	-3.26e-04
2538	147	-10.28	1.59	-0.69	-1.43e-04	0.0	5.67e-04
2538	156	-0.34	5.36	-3.96	-1.08e-03	0.0	2.57e-05
2538	161	5.81	-7.54	0.22	1.45e-03	0.0	-3.66e-04
2538	179	-10.36	1.60	-0.74	-1.34e-04	0.0	5.65e-04
2538	188	-0.39	5.33	-3.93	-1.07e-03	0.0	2.71e-05
2538	193	5.98	-7.52	0.21	1.43e-03	0.0	-3.70e-04
2538	219	-12.48	2.28	-0.65	-2.02e-04	0.0	7.21e-04
2538	220	-0.49	6.23	-4.28	-1.25e-03	0.0	3.63e-05
2538	225	7.18	-8.81	0.53	1.67e-03	0.0	-4.40e-04
2539	4	0.05	1.57	-3.03	-1.85e-04	0.0	-1.06e-05
2539	44	0.02	-4.89	-2.28	7.61e-04	0.0	-5.19e-05
2539	68	0.03	1.04	-2.16	-1.20e-04	0.0	-7.88e-06
2539	88	0.01	-3.27	-1.66	5.10e-04	0.0	-3.54e-05
2539	98	0.02	-0.09	-1.79	4.04e-05	0.0	-1.19e-05
2539	105	0.02	-0.72	-1.68	1.32e-04	0.0	-1.60e-05
2539	107	0.02	-0.09	-1.72	3.87e-05	0.0	-1.15e-05
2539	112	9.80	-1.77	-2.66	-5.80e-04	0.0	-5.47e-04
2539	124	-0.28	5.20	-3.75	-1.07e-03	0.0	2.43e-05

2539	129	5.54	-7.41	0.03	1.15e-03	0.0	-3.39e-04
2539	144	11.05	-1.99	-2.78	-6.58e-04	0.0	-6.15e-04
2539	156	-0.33	5.87	-4.00	-1.21e-03	0.0	2.94e-05
2539	161	6.26	-8.33	0.25	1.29e-03	0.0	-3.82e-04
2539	176	11.14	-1.99	-2.73	-6.36e-04	0.0	-6.11e-04
2539	188	-0.38	5.83	-3.96	-1.20e-03	0.0	3.07e-05
2539	193	6.45	-8.31	0.24	1.28e-03	0.0	-3.86e-04
2539	216	13.39	-2.76	-2.73	2.52e-04	0.0	-7.75e-04
2539	220	-0.49	6.82	-4.32	-1.40e-03	0.0	4.06e-05
2539	225	7.73	-9.73	0.56	1.49e-03	0.0	-4.58e-04
2540	4	0.05	1.57	-3.02	-1.85e-04	0.0	-1.52e-05
2540	44	0.02	-4.88	-2.27	7.64e-04	0.0	-3.66e-05
2540	68	0.03	1.04	-2.16	-1.21e-04	0.0	-1.09e-05
2540	88	0.01	-3.26	-1.66	5.12e-04	0.0	-2.52e-05
2540	98	0.02	-0.09	-1.78	4.07e-05	0.0	-1.19e-05
2540	105	0.02	-0.72	-1.68	1.33e-04	0.0	-1.40e-05
2540	107	0.02	-0.09	-1.72	3.90e-05	0.0	-1.14e-05
2540	112	9.80	-1.62	-2.63	1.66e-04	0.0	-5.47e-04
2540	124	-0.28	5.23	-3.72	-8.45e-04	0.0	2.45e-05
2540	129	5.54	-7.34	4.29e-03	1.15e-03	0.0	-3.40e-04
2540	144	11.05	-1.82	-2.75	1.83e-04	0.0	-6.15e-04
2540	156	-0.33	5.90	-3.97	-9.56e-04	0.0	2.95e-05
2540	161	6.26	-8.26	0.22	1.29e-03	0.0	-3.82e-04
2540	176	11.14	-1.82	-2.70	1.75e-04	0.0	-6.11e-04
2540	188	-0.38	5.86	-3.93	-9.50e-04	0.0	3.09e-05
2540	193	6.45	-8.23	0.21	1.28e-03	0.0	-3.86e-04
2540	216	13.39	-2.54	-2.79	2.42e-04	0.0	-7.75e-04
2540	220	-0.49	6.85	-4.28	-1.11e-03	0.0	4.08e-05
2540	225	7.73	-9.63	0.53	1.49e-03	0.0	-4.59e-04
2541	4	0.14	1.56	-3.04	2.17e-04	0.0	-9.76e-06
2541	44	0.11	-4.93	-2.29	-5.78e-04	0.0	-4.34e-05
2541	52	0.14	-0.19	-2.87	6.85e-05	0.0	-1.75e-05
2541	68	0.10	1.03	-2.17	1.47e-04	0.0	-7.25e-06
2541	88	0.08	-3.29	-1.67	-3.83e-04	0.0	-2.96e-05
2541	92	0.10	-0.14	-2.05	4.84e-05	0.0	-1.24e-05
2541	98	0.08	-0.11	-1.79	4.04e-05	0.0	-1.04e-05
2541	105	0.07	-0.74	-1.69	-4.65e-05	0.0	-1.37e-05
2541	107	0.08	-0.11	-1.73	3.87e-05	0.0	-1.00e-05
2541	112	10.64	-1.84	-2.68	-4.93e-04	0.0	-5.52e-04
2541	124	-0.24	5.62	-3.76	-9.33e-04	0.0	2.75e-05
2541	129	6.02	-7.97	0.02	1.02e-03	0.0	-3.43e-04
2541	144	11.99	-2.07	-2.80	-5.59e-04	0.0	-6.20e-04
2541	156	-0.30	6.34	-4.02	-1.05e-03	0.0	3.27e-05
2541	161	6.80	-8.96	0.24	1.14e-03	0.0	-3.87e-04
2541	176	12.08	-2.07	-2.75	-5.40e-04	0.0	-6.16e-04
2541	188	-0.35	6.30	-3.98	-1.04e-03	0.0	3.42e-05
2541	193	7.00	-8.93	0.23	1.13e-03	0.0	-3.90e-04
2541	216	14.49	-2.87	-2.74	2.09e-04	0.0	-7.83e-04
2541	220	-0.47	7.37	-4.34	-1.22e-03	0.0	4.45e-05
2541	225	8.39	-10.45	0.56	1.31e-03	0.0	-4.63e-04
2542	4	0.14	1.56	-3.03	2.18e-04	0.0	-1.38e-05
2542	44	0.11	-4.92	-2.27	-5.75e-04	0.0	-3.00e-05
2542	52	0.14	-0.19	-2.85	6.96e-05	0.0	-1.75e-05
2542	68	0.10	1.03	-2.16	1.48e-04	0.0	-9.91e-06
2542	88	0.08	-3.28	-1.66	-3.81e-04	0.0	-2.08e-05
2542	92	0.10	-0.13	-2.04	4.92e-05	0.0	-1.24e-05
2542	98	0.08	-0.11	-1.78	4.11e-05	0.0	-1.04e-05
2542	105	0.07	-0.74	-1.68	-4.56e-05	0.0	-1.20e-05
2542	107	0.08	-0.11	-1.72	3.93e-05	0.0	-1.00e-05
2542	112	10.64	-1.69	-2.63	-4.90e-04	0.0	-5.52e-04
2542	124	-0.24	5.64	-3.72	-9.28e-04	0.0	2.75e-05
2542	129	6.02	-7.90	3.58e-03	1.01e-03	0.0	-3.43e-04
2542	144	11.99	-1.89	-2.75	-5.56e-04	0.0	-6.20e-04
2542	156	-0.30	6.37	-3.97	-1.05e-03	0.0	3.27e-05
2542	161	6.80	-8.89	0.22	1.14e-03	0.0	-3.87e-04
2542	176	12.08	-1.90	-2.70	-5.37e-04	0.0	-6.16e-04
2542	188	-0.35	6.32	-3.93	-1.04e-03	0.0	3.41e-05
2542	193	7.00	-8.85	0.21	1.12e-03	0.0	-3.90e-04
2542	216	14.49	-2.65	-2.78	2.06e-04	0.0	-7.83e-04
2542	220	-0.47	7.40	-4.28	-1.21e-03	0.0	4.44e-05
2542	225	8.39	-10.36	0.52	1.31e-03	0.0	-4.63e-04
2543	4	0.04	0.94	-3.04	-8.35e-04	0.0	-5.69e-06
2543	44	0.01	-2.59	-2.29	2.91e-03	0.0	-5.15e-05
2543	52	0.04	-0.08	-2.86	6.53e-05	0.0	-1.58e-05
2543	68	0.03	0.62	-2.17	-5.54e-04	0.0	-4.39e-06

2543	88	8.85e-03	-1.73	-1.67	1.95e-03	0.0	-3.49e-05
2543	92	0.03	-0.05	-2.05	4.61e-05	0.0	-1.11e-05
2543	98	0.02	-0.04	-1.79	3.86e-05	0.0	-9.31e-06
2543	105	0.02	-0.38	-1.69	4.18e-04	0.0	-1.39e-05
2543	107	0.02	-0.04	-1.73	3.70e-05	0.0	-8.89e-06
2543	112	9.04	-1.31	-2.64	-6.96e-04	0.0	-4.52e-04
2543	124	-0.26	4.25	-3.70	-1.30e-03	0.0	1.74e-05
2543	129	5.11	-5.94	-0.03	1.38e-03	0.0	-2.77e-04
2543	144	10.19	-1.47	-2.75	-7.88e-04	0.0	-5.08e-04
2543	156	-0.31	4.79	-3.95	-1.47e-03	0.0	2.11e-05
2543	161	5.78	-6.69	0.19	1.54e-03	0.0	-3.12e-04
2543	176	10.26	-1.49	-2.70	-7.63e-04	0.0	-5.06e-04
2543	188	-0.35	4.75	-3.91	-1.45e-03	0.0	2.22e-05
2543	193	5.95	-6.67	0.17	1.53e-03	0.0	-3.15e-04
2543	216	12.37	-2.08	-2.83	2.61e-04	0.0	-6.41e-04
2543	220	-0.46	5.56	-4.27	-1.70e-03	0.0	2.97e-05
2543	225	7.14	-7.81	0.48	1.78e-03	0.0	-3.75e-04
2544	4	0.07	0.43	-3.05	-6.23e-04	-1.14e-04	-1.88e-05
2544	44	0.05	-0.82	-2.29	-3.86e-04	-1.13e-04	1.61e-05
2544	52	0.07	-0.04	-2.87	-5.54e-04	-1.19e-04	-9.99e-06
2544	68	0.05	0.28	-2.17	-4.42e-04	-7.91e-05	-1.29e-05
2544	88	0.03	-0.55	-1.67	-2.84e-04	-7.89e-05	1.04e-05
2544	92	0.05	-0.03	-2.05	-3.97e-04	-8.30e-05	-6.98e-06
2544	98	0.04	-0.03	-1.80	-3.46e-04	-6.75e-05	-5.74e-06
2544	105	0.04	-0.13	-1.69	-3.18e-04	-6.53e-05	-2.14e-06
2544	107	0.04	-0.02	-1.73	-3.34e-04	-6.40e-05	-5.44e-06
2544	112	8.92	-1.22	-2.63	-7.16e-04	-1.86e-04	-3.68e-04
2544	124	-0.24	3.69	-3.71	-1.12e-03	-2.94e-05	1.44e-05
2544	129	5.05	-5.21	-0.03	4.56e-04	-1.84e-04	-2.22e-04
2544	144	10.05	-1.38	-2.75	-7.63e-04	-2.02e-04	-4.14e-04
2544	156	-0.28	4.15	-3.95	-1.22e-03	-2.48e-05	1.71e-05
2544	161	5.71	-5.86	0.19	5.54e-04	-1.99e-04	-2.51e-04
2544	176	10.12	-1.40	-2.70	-7.46e-04	-2.00e-04	-4.13e-04
2544	188	-0.33	4.12	-3.91	-1.21e-03	-2.36e-05	1.76e-05
2544	193	5.88	-5.85	0.17	5.42e-04	-2.01e-04	-2.54e-04
2544	216	12.21	-1.96	-2.82	-2.95e-04	-2.43e-04	-5.26e-04
2544	220	-0.43	4.82	-4.27	-1.35e-03	-1.56e-05	2.29e-05
2544	225	7.05	-6.86	0.48	6.87e-04	-2.26e-04	-3.02e-04
2545	4	-5.69e-03	1.37	-3.03	-5.69e-04	0.0	-3.00e-05
2545	42	-0.04	-4.07	-1.63	2.02e-03	0.0	1.31e-05
2545	44	-0.03	-4.10	-2.28	2.04e-03	0.0	7.44e-06
2545	68	-5.16e-03	0.91	-2.16	-3.76e-04	0.0	-2.08e-05
2545	86	-0.03	-2.72	-1.23	1.35e-03	0.0	7.85e-06
2545	88	-0.02	-2.74	-1.66	1.36e-03	0.0	4.11e-06
2545	98	-7.25e-03	-0.06	-1.79	3.97e-05	0.0	-1.26e-05
2545	104	-0.01	-0.58	-1.31	2.91e-04	0.0	-5.35e-06
2545	105	-0.01	-0.60	-1.69	3.02e-04	0.0	-8.56e-06
2545	106	-9.86e-03	-0.04	-1.35	2.78e-05	0.0	-8.84e-06
2545	107	-7.62e-03	-0.06	-1.72	3.80e-05	0.0	-1.21e-05
2545	115	-9.12	1.27	-0.81	7.18e-04	0.0	5.00e-04
2545	124	-0.29	4.79	-3.70	-1.20e-03	0.0	2.05e-05
2545	129	5.13	-6.65	-0.03	1.28e-03	0.0	-3.24e-04
2545	147	-10.28	1.44	-0.70	8.03e-04	0.0	5.65e-04
2545	156	-0.34	5.40	-3.95	-1.36e-03	0.0	2.51e-05
2545	161	5.81	-7.48	0.18	1.43e-03	0.0	-3.65e-04
2545	179	-10.36	1.45	-0.74	7.80e-04	0.0	5.63e-04
2545	188	-0.39	5.36	-3.91	-1.34e-03	0.0	2.63e-05
2545	193	5.98	-7.45	0.17	1.42e-03	0.0	-3.69e-04
2545	219	-12.47	2.08	-0.60	-1.74e-04	0.0	7.19e-04
2545	224	-0.41	6.16	-4.26	-1.24e-03	0.0	1.86e-05
2545	225	7.18	-8.73	0.48	1.65e-03	0.0	-4.38e-04
2546	4	0.05	1.58	-3.01	-1.84e-04	0.0	-1.97e-05
2546	44	0.02	-4.87	-2.26	7.63e-04	0.0	-2.14e-05
2546	68	0.03	1.05	-2.15	-1.20e-04	0.0	-1.40e-05
2546	88	0.01	-3.25	-1.65	5.11e-04	0.0	-1.51e-05
2546	98	0.03	-0.09	-1.78	4.10e-05	0.0	-1.19e-05
2546	105	0.02	-0.71	-1.67	1.33e-04	0.0	-1.19e-05
2546	107	0.02	-0.08	-1.71	3.93e-05	0.0	-1.15e-05
2546	112	9.80	-1.47	-2.66	1.58e-04	0.0	-5.47e-04
2546	129	5.54	-7.28	0.27	1.14e-03	0.0	-3.40e-04
2546	130	-5.49	7.11	-3.70	-1.06e-03	0.0	3.17e-04
2546	144	11.05	-1.65	-2.78	1.73e-04	0.0	-6.15e-04
2546	161	6.26	-8.19	0.52	1.28e-03	0.0	-3.83e-04
2546	162	-6.22	8.02	-3.95	-1.20e-03	0.0	3.60e-04
2546	176	11.14	-1.66	-2.73	1.65e-04	0.0	-6.12e-04

2546	193	6.45	-8.15	0.48	1.27e-03	0.0	-3.87e-04
2546	194	-6.40	7.99	-3.91	-1.19e-03	0.0	3.64e-04
2546	216	13.39	-2.33	-1.66	2.30e-04	0.0	-7.75e-04
2546	225	7.73	-9.54	0.85	1.48e-03	0.0	-4.59e-04
2546	226	-7.69	9.38	-4.28	-1.40e-03	0.0	4.36e-04
2547	4	0.14	1.56	-3.00	2.18e-04	0.0	-1.77e-05
2547	44	0.11	-4.91	-2.25	-5.73e-04	0.0	-1.67e-05
2547	52	0.14	-0.18	-2.83	7.07e-05	0.0	-1.75e-05
2547	68	0.10	1.04	-2.14	1.48e-04	0.0	-1.26e-05
2547	88	0.08	-3.28	-1.64	-3.79e-04	0.0	-1.19e-05
2547	92	0.10	-0.13	-2.02	4.99e-05	0.0	-1.24e-05
2547	98	0.08	-0.11	-1.77	4.18e-05	0.0	-1.04e-05
2547	105	0.07	-0.74	-1.67	-4.48e-05	0.0	-1.02e-05
2547	107	0.08	-0.10	-1.71	4.00e-05	0.0	-1.00e-05
2547	112	10.64	-1.54	-2.67	1.32e-04	0.0	-5.51e-04
2547	129	6.02	-7.84	0.28	1.01e-03	0.0	-3.43e-04
2547	130	-5.87	7.63	-3.70	-9.31e-04	0.0	3.23e-04
2547	144	11.99	-1.72	-2.79	1.43e-04	0.0	-6.20e-04
2547	161	6.80	-8.81	0.53	1.13e-03	0.0	-3.86e-04
2547	162	-6.65	8.60	-3.95	-1.05e-03	0.0	3.66e-04
2547	176	12.08	-1.73	-2.75	1.37e-04	0.0	-6.16e-04
2547	193	7.00	-8.77	0.50	1.12e-03	0.0	-3.90e-04
2547	194	-6.85	8.57	-3.92	-1.04e-03	0.0	3.70e-04
2547	216	14.50	-2.44	-1.62	2.03e-04	0.0	-7.83e-04
2547	225	8.39	-10.26	0.86	1.30e-03	0.0	-4.63e-04
2547	226	-8.24	10.06	-4.28	-1.22e-03	0.0	4.43e-04
2548	4	0.24	1.34	-3.05	5.59e-04	0.0	-8.51e-06
2548	44	0.20	-4.28	-2.29	-1.72e-03	0.0	-3.39e-05
2548	52	0.24	-0.23	-2.87	6.87e-05	0.0	-1.43e-05
2548	68	0.17	0.89	-2.17	3.75e-04	0.0	-6.30e-06
2548	88	0.14	-2.86	-1.67	-1.14e-03	0.0	-2.32e-05
2548	92	0.17	-0.16	-2.06	4.85e-05	0.0	-1.02e-05
2548	98	0.14	-0.13	-1.80	4.05e-05	0.0	-8.59e-06
2548	105	0.13	-0.67	-1.70	-1.98e-04	0.0	-1.11e-05
2548	107	0.13	-0.13	-1.73	3.88e-05	0.0	-8.26e-06
2548	112	11.47	-1.89	-2.68	-4.24e-04	0.0	-5.49e-04
2548	124	-0.20	5.96	-3.76	-8.21e-04	0.0	3.02e-05
2548	129	6.50	-8.44	0.02	9.06e-04	0.0	-3.42e-04
2548	144	12.92	-2.12	-2.80	-4.82e-04	0.0	-6.18e-04
2548	156	-0.26	6.73	-4.02	-9.28e-04	0.0	3.55e-05
2548	161	7.34	-9.49	0.24	1.01e-03	0.0	-3.86e-04
2548	176	13.02	-2.12	-2.75	-4.64e-04	0.0	-6.13e-04
2548	188	-0.32	6.68	-3.98	-9.15e-04	0.0	3.69e-05
2548	193	7.56	-9.45	0.23	1.00e-03	0.0	-3.89e-04
2548	216	15.59	-2.96	-2.74	1.77e-04	0.0	-7.81e-04
2548	220	-0.45	7.82	-4.34	-1.07e-03	0.0	4.74e-05
2548	225	9.04	-11.06	0.55	1.17e-03	0.0	-4.62e-04
2549	4	0.24	1.35	-3.03	5.60e-04	0.0	-1.22e-05
2549	44	0.20	-4.28	-2.28	-1.71e-03	0.0	-2.16e-05
2549	52	0.24	-0.22	-2.85	7.00e-05	0.0	-1.43e-05
2549	68	0.17	0.89	-2.16	3.76e-04	0.0	-8.76e-06
2549	88	0.14	-2.86	-1.66	-1.14e-03	0.0	-1.50e-05
2549	92	0.17	-0.16	-2.04	4.95e-05	0.0	-1.02e-05
2549	98	0.14	-0.13	-1.78	4.13e-05	0.0	-8.59e-06
2549	105	0.13	-0.67	-1.68	-1.97e-04	0.0	-9.42e-06
2549	107	0.13	-0.13	-1.72	3.96e-05	0.0	-8.26e-06
2549	112	11.47	-1.74	-2.63	-4.23e-04	0.0	-5.49e-04
2549	124	-0.21	5.99	-3.72	-8.18e-04	0.0	3.02e-05
2549	129	6.50	-8.37	2.82e-03	9.04e-04	0.0	-3.42e-04
2549	144	12.92	-1.95	-2.75	-4.80e-04	0.0	-6.18e-04
2549	156	-0.26	6.75	-3.97	-9.25e-04	0.0	3.55e-05
2549	161	7.34	-9.41	0.22	1.01e-03	0.0	-3.86e-04
2549	176	13.02	-1.95	-2.70	-4.64e-04	0.0	-6.13e-04
2549	188	-0.32	6.71	-3.93	-9.12e-04	0.0	3.69e-05
2549	193	7.56	-9.37	0.21	1.00e-03	0.0	-3.89e-04
2549	216	15.59	-2.75	-2.78	1.78e-04	0.0	-7.81e-04
2549	220	-0.45	7.85	-4.28	-1.07e-03	0.0	4.74e-05
2549	225	9.04	-10.96	0.52	1.16e-03	0.0	-4.62e-04
2550	4	0.33	0.96	-3.04	8.04e-04	0.0	-8.97e-06
2550	44	0.29	-3.10	-2.29	-2.53e-03	0.0	-1.75e-05
2550	52	0.34	-0.26	-2.86	6.89e-05	0.0	-1.09e-05
2550	68	0.23	0.63	-2.17	5.39e-04	0.0	-6.48e-06
2550	88	0.20	-2.08	-1.67	-1.69e-03	0.0	-1.21e-05
2550	92	0.24	-0.18	-2.05	4.86e-05	0.0	-7.75e-06
2550	98	0.20	-0.15	-1.79	4.06e-05	0.0	-6.56e-06

2550	105	0.19	-0.53	-1.69	-3.07e-04	0.0	-7.35e-06
2550	107	0.19	-0.15	-1.73	3.89e-05	0.0	-6.33e-06
2550	112	12.26	-1.93	-2.67	-3.77e-04	0.0	-5.44e-04
2550	124	-0.17	6.27	-3.75	-7.44e-04	0.0	3.28e-05
2550	129	6.96	-8.85	0.02	8.30e-04	0.0	-3.39e-04
2550	144	13.79	-2.16	-2.78	-4.28e-04	0.0	-6.12e-04
2550	156	-0.22	7.07	-4.01	-8.42e-04	0.0	3.82e-05
2550	161	7.85	-9.95	0.24	9.29e-04	0.0	-3.82e-04
2550	176	13.90	-2.16	-2.73	-4.13e-04	0.0	-6.06e-04
2550	188	-0.29	7.03	-3.97	-8.28e-04	0.0	3.96e-05
2550	193	8.08	-9.91	0.23	9.18e-04	0.0	-3.85e-04
2550	216	16.62	-3.04	-2.74	1.56e-04	0.0	-7.76e-04
2550	220	-0.42	8.23	-4.33	-9.71e-04	0.0	5.02e-05
2550	225	9.66	-11.59	0.55	1.07e-03	0.0	-4.57e-04
2551	4	0.33	0.97	-3.03	8.05e-04	0.0	-1.06e-05
2551	44	0.29	-3.09	-2.28	-2.53e-03	0.0	-1.22e-05
2551	52	0.34	-0.26	-2.85	7.03e-05	0.0	-1.09e-05
2551	68	0.23	0.63	-2.16	5.39e-04	0.0	-7.55e-06
2551	88	0.20	-2.07	-1.66	-1.68e-03	0.0	-8.61e-06
2551	92	0.24	-0.18	-2.04	4.96e-05	0.0	-7.76e-06
2551	98	0.19	-0.15	-1.79	4.15e-05	0.0	-6.57e-06
2551	105	0.18	-0.53	-1.68	-3.06e-04	0.0	-6.64e-06
2551	107	0.19	-0.15	-1.72	3.97e-05	0.0	-6.33e-06
2551	112	12.25	-1.78	-2.64	-3.76e-04	0.0	-5.44e-04
2551	124	-0.17	6.29	-3.72	-7.41e-04	0.0	3.28e-05
2551	129	6.95	-8.79	1.60e-03	8.29e-04	0.0	-3.39e-04
2551	144	13.79	-1.99	-2.75	-4.28e-04	0.0	-6.12e-04
2551	156	-0.22	7.10	-3.97	-8.39e-04	0.0	3.82e-05
2551	161	7.84	-9.88	0.22	9.27e-04	0.0	-3.82e-04
2551	176	13.90	-1.99	-2.70	-4.13e-04	0.0	-6.06e-04
2551	188	-0.29	7.05	-3.93	-8.26e-04	0.0	3.96e-05
2551	193	8.07	-9.83	0.20	9.18e-04	0.0	-3.85e-04
2551	216	16.61	-2.83	-2.78	1.58e-04	0.0	-7.76e-04
2551	220	-0.42	8.25	-4.28	-9.68e-04	0.0	5.02e-05
2551	225	9.65	-11.50	0.52	1.07e-03	0.0	-4.57e-04
2552	4	0.33	0.48	-3.03	-8.98e-04	-2.68e-05	-1.02e-05
2552	44	0.28	-1.55	-2.27	3.23e-03	-3.34e-05	2.83e-06
2552	52	0.34	-0.30	-2.85	7.77e-05	-3.03e-05	-7.17e-06
2552	68	0.23	0.31	-2.16	-5.96e-04	-1.88e-05	-7.18e-06
2552	88	0.20	-1.04	-1.66	2.16e-03	-2.32e-05	1.52e-06
2552	92	0.24	-0.21	-2.04	5.50e-05	-2.12e-05	-5.14e-06
2552	98	0.20	-0.17	-1.78	4.56e-05	-1.73e-05	-4.37e-06
2552	105	0.19	-0.34	-1.68	4.66e-04	-1.74e-05	-2.98e-06
2552	107	0.19	-0.17	-1.72	4.38e-05	-1.65e-05	-4.24e-06
2552	112	12.45	-1.97	-2.65	-6.20e-04	2.57e-04	-5.37e-04
2552	124	-0.17	6.55	-3.74	-1.20e-03	1.55e-04	3.55e-05
2552	129	7.06	-9.24	0.03	1.29e-03	-4.84e-05	-3.35e-04
2552	144	14.01	-2.20	-2.76	-7.02e-04	2.91e-04	-6.05e-04
2552	156	-0.23	7.39	-3.99	-1.35e-03	1.77e-04	4.10e-05
2552	161	7.97	-10.39	0.24	1.44e-03	-5.21e-05	-3.78e-04
2552	176	14.12	-2.19	-2.71	-6.75e-04	2.92e-04	-5.98e-04
2552	188	-0.30	7.34	-3.95	-1.33e-03	1.77e-04	4.24e-05
2552	193	8.20	-10.34	0.23	1.42e-03	-4.96e-05	-3.80e-04
2552	216	16.86	-3.11	-2.75	2.76e-04	3.22e-04	-7.68e-04
2552	220	-0.43	8.60	-4.31	-1.56e-03	2.11e-04	5.31e-05
2552	225	9.80	-12.09	0.56	1.65e-03	-5.29e-05	-4.52e-04
2553	4	0.33	0.48	-3.03	-9.00e-04	-1.47e-05	-8.47e-06
2553	44	0.29	-1.55	-2.28	3.31e-03	-2.12e-05	-2.65e-06
2553	52	0.34	-0.29	-2.85	9.40e-05	-1.80e-05	-7.06e-06
2553	68	0.23	0.31	-2.16	-5.96e-04	-9.78e-06	-6.00e-06
2553	88	0.20	-1.04	-1.66	2.21e-03	-1.41e-05	-2.13e-06
2553	92	0.24	-0.21	-2.04	6.66e-05	-1.20e-05	-5.07e-06
2553	98	0.20	-0.17	-1.79	5.58e-05	-8.65e-06	-4.31e-06
2553	105	0.19	-0.34	-1.69	4.84e-04	-8.77e-06	-3.67e-06
2553	107	0.19	-0.17	-1.73	5.36e-05	-7.91e-06	-4.18e-06
2553	112	12.45	-1.82	-2.64	-6.03e-04	2.76e-04	-5.37e-04
2553	124	-0.17	6.57	-3.72	-1.18e-03	1.69e-04	3.56e-05
2553	129	7.06	-9.17	6.33e-04	1.29e-03	-3.97e-05	-3.35e-04
2553	144	14.01	-2.03	-2.75	-6.84e-04	3.12e-04	-6.05e-04
2553	156	-0.23	7.42	-3.97	-1.33e-03	1.92e-04	4.11e-05
2553	161	7.97	-10.31	0.22	1.44e-03	-4.34e-05	-3.78e-04
2553	176	14.12	-2.03	-2.70	-6.58e-04	3.13e-04	-5.98e-04
2553	188	-0.30	7.37	-3.93	-1.31e-03	3.12e-04	4.25e-05
2553	193	8.20	-10.26	0.20	1.42e-03	-4.09e-05	-3.80e-04
2553	216	16.86	-2.90	-2.78	2.76e-04	3.45e-04	-7.68e-04

2553	220	-0.43	8.62	-4.29	-1.54e-03	2.27e-04	5.32e-05
2553	225	9.81	-12.00	0.52	1.65e-03	-4.40e-05	-4.52e-04
2554	4	0.24	1.35	-3.00	5.60e-04	0.0	-1.59e-05
2554	44	0.20	-4.27	-2.25	-1.71e-03	0.0	-9.26e-06
2554	52	0.24	-0.22	-2.83	7.14e-05	0.0	-1.43e-05
2554	68	0.17	0.89	-2.14	3.76e-04	0.0	-1.12e-05
2554	88	0.14	-2.86	-1.64	-1.14e-03	0.0	-6.80e-06
2554	92	0.17	-0.15	-2.02	5.04e-05	0.0	-1.02e-05
2554	98	0.14	-0.13	-1.77	4.22e-05	0.0	-8.59e-06
2554	105	0.13	-0.67	-1.67	-1.96e-04	0.0	-7.78e-06
2554	107	0.13	-0.12	-1.71	4.03e-05	0.0	-8.26e-06
2554	112	11.47	-1.59	-2.67	1.08e-04	0.0	-5.49e-04
2554	129	6.50	-8.30	0.28	9.03e-04	0.0	-3.42e-04
2554	130	-6.24	8.05	-3.70	-8.22e-04	0.0	3.26e-04
2554	144	12.92	-1.78	-2.79	1.17e-04	0.0	-6.18e-04
2554	161	7.34	-9.33	0.53	1.01e-03	0.0	-3.86e-04
2554	162	-7.08	9.09	-3.95	-9.30e-04	0.0	3.69e-04
2554	176	13.02	-1.78	-2.74	1.11e-04	0.0	-6.13e-04
2554	193	7.56	-9.29	0.50	1.00e-03	0.0	-3.89e-04
2554	194	-7.29	9.04	-3.91	-9.20e-04	0.0	3.72e-04
2554	216	15.59	-2.53	-1.63	1.78e-04	0.0	-7.81e-04
2554	225	9.04	-10.86	0.86	1.16e-03	0.0	-4.62e-04
2554	226	-8.78	10.62	-4.28	-1.08e-03	0.0	4.45e-04
2555	4	0.33	0.97	-3.01	8.05e-04	0.0	-1.22e-05
2555	44	0.29	-3.09	-2.26	-2.52e-03	0.0	-6.83e-06
2555	52	0.34	-0.26	-2.84	7.19e-05	0.0	-1.09e-05
2555	68	0.23	0.64	-2.15	5.40e-04	0.0	-8.60e-06
2555	88	0.20	-2.07	-1.65	-1.68e-03	0.0	-5.06e-06
2555	92	0.24	-0.18	-2.03	5.07e-05	0.0	-7.75e-06
2555	98	0.19	-0.15	-1.78	4.24e-05	0.0	-6.56e-06
2555	105	0.18	-0.53	-1.68	-3.04e-04	0.0	-5.93e-06
2555	107	0.19	-0.14	-1.72	4.06e-05	0.0	-6.33e-06
2555	112	12.25	-1.63	-2.65	9.16e-05	0.0	-5.44e-04
2555	128	-0.32	6.27	-3.70	-5.90e-04	0.0	2.68e-05
2555	129	6.95	-8.72	-0.03	8.28e-04	0.0	-3.39e-04
2555	144	13.79	-1.83	-2.77	9.82e-05	0.0	-6.12e-04
2555	160	-0.38	7.07	-3.94	-6.68e-04	0.0	3.09e-05
2555	161	7.85	-9.80	0.18	9.26e-04	0.0	-3.82e-04
2555	176	13.90	-1.82	-2.72	9.29e-05	0.0	-6.06e-04
2555	192	-0.33	6.99	-3.91	-6.59e-04	0.0	2.73e-05
2555	193	8.08	-9.75	0.17	9.17e-04	0.0	-3.85e-04
2555	216	16.61	-2.61	-2.89	1.60e-04	0.0	-7.76e-04
2555	224	-0.35	8.13	-4.27	-7.72e-04	0.0	3.01e-05
2555	225	9.66	-11.40	0.48	1.06e-03	0.0	-4.57e-04
2556	4	0.33	0.48	-3.03	-8.49e-04	-9.60e-06	-6.99e-06
2556	44	0.29	-1.55	-2.28	3.16e-03	-1.58e-05	-7.15e-06
2556	52	0.34	-0.29	-2.85	9.91e-05	-1.29e-05	-6.95e-06
2556	68	0.23	0.31	-2.16	-5.62e-04	-5.69e-06	-5.01e-06
2556	88	0.20	-1.04	-1.66	2.11e-03	-9.82e-06	-5.12e-06
2556	92	0.24	-0.21	-2.04	7.02e-05	-7.90e-06	-4.99e-06
2556	98	0.20	-0.17	-1.79	5.89e-05	-4.34e-06	-4.25e-06
2556	105	0.19	-0.34	-1.69	4.66e-04	-4.41e-06	-4.22e-06
2556	107	0.19	-0.16	-1.72	5.66e-05	-3.55e-06	-4.12e-06
2556	112	12.45	-1.67	-2.64	-5.70e-04	2.77e-04	-5.37e-04
2556	124	-0.17	6.59	-3.70	-1.13e-03	1.72e-04	3.57e-05
2556	129	7.06	-9.10	-0.03	1.24e-03	-3.55e-05	-3.35e-04
2556	144	14.01	-1.87	-2.75	-6.48e-04	3.13e-04	-6.04e-04
2556	156	-0.23	7.44	-3.95	-1.28e-03	1.95e-04	4.11e-05
2556	161	7.97	-10.23	0.19	1.39e-03	-3.92e-05	-3.78e-04
2556	176	14.12	-1.86	-2.70	-6.24e-04	3.14e-04	-5.98e-04
2556	188	-0.30	7.39	-3.91	-1.26e-03	1.95e-04	4.25e-05
2556	193	8.20	-10.18	0.17	1.37e-03	-3.67e-05	-3.80e-04
2556	216	16.86	-2.69	-2.84	2.57e-04	3.46e-04	-7.68e-04
2556	220	-0.43	8.65	-4.26	-1.47e-03	2.30e-04	5.32e-05
2556	225	9.81	-11.90	0.49	1.59e-03	-3.99e-05	-4.52e-04
2557	4	0.06	0.46	-3.11	-7.09e-04	3.76e-05	-8.79e-06
2557	44	0.04	-0.82	-2.35	-4.68e-04	4.48e-05	-1.23e-05
2557	52	0.06	-0.02	-2.94	-6.41e-04	3.57e-05	-8.85e-06
2557	68	0.04	0.31	-2.20	-5.05e-04	3.47e-05	-6.12e-06
2557	88	0.03	-0.55	-1.69	-3.44e-04	3.96e-05	-8.49e-06
2557	92	0.05	-0.01	-2.09	-4.60e-04	3.35e-05	-6.16e-06
2557	98	0.04	-0.01	-1.79	-4.01e-04	4.22e-05	-5.03e-06
2557	105	0.03	-0.12	-1.69	-3.72e-04	4.45e-05	-5.38e-06
2557	107	0.04	-0.01	-1.72	-3.87e-04	4.49e-05	-4.76e-06
2557	112	8.90	-0.41	-2.60	-7.21e-04	2.20e-04	-3.70e-04

2557	124	-0.24	3.90	-3.57	-1.13e-03	1.63e-04	1.45e-05
2557	129	5.04	-4.92	-0.12	3.58e-04	1.39e-05	-2.23e-04
2557	144	10.04	-0.46	-2.71	-7.62e-04	2.42e-04	-4.17e-04
2557	156	-0.28	4.39	-3.80	-1.22e-03	1.78e-04	1.73e-05
2557	161	5.70	-5.54	0.08	4.51e-04	1.02e-05	-2.52e-04
2557	176	10.11	-0.48	-2.69	-7.50e-04	2.41e-04	-4.16e-04
2557	188	-0.33	4.35	-3.76	-1.21e-03	1.77e-04	1.83e-05
2557	193	5.87	-5.50	0.06	4.39e-04	1.19e-05	-2.55e-04
2557	216	12.20	-0.79	-2.71	-4.17e-04	2.48e-04	-5.28e-04
2557	220	-0.43	5.07	-4.09	-1.35e-03	2.00e-04	2.39e-05
2557	225	7.04	-6.44	0.34	5.76e-04	7.95e-06	-3.04e-04
2558	4	0.05	0.58	-3.11	-1.68e-04	0.0	4.08e-05
2558	44	0.03	-1.10	-2.35	3.99e-04	0.0	-1.80e-04
2558	52	0.05	-9.14e-03	-2.94	-4.82e-06	0.0	-1.01e-05
2558	68	0.03	0.38	-2.20	-1.12e-04	0.0	2.70e-05
2558	88	0.02	-0.73	-1.70	2.66e-04	0.0	-1.20e-04
2558	92	0.04	-6.81e-03	-2.09	-3.02e-06	0.0	-6.90e-06
2558	98	0.03	-6.32e-03	-1.79	-2.26e-06	0.0	-5.46e-06
2558	105	0.03	-0.15	-1.69	5.17e-05	0.0	-2.80e-05
2558	107	0.03	-6.24e-03	-1.72	-1.91e-06	0.0	-5.11e-06
2558	112	9.04	-0.31	-2.61	-4.37e-04	0.0	-3.38e-04
2558	124	-0.25	4.43	-3.57	-1.06e-03	0.0	2.48e-05
2558	129	5.11	-5.46	-0.12	9.51e-04	0.0	-2.16e-04
2558	144	10.19	-0.35	-2.72	-4.91e-04	0.0	-3.80e-04
2558	156	-0.29	4.98	-3.80	-1.19e-03	0.0	2.89e-05
2558	161	5.78	-6.14	0.08	1.07e-03	0.0	-2.44e-04
2558	176	10.27	-0.37	-2.70	-4.70e-04	0.0	-3.76e-04
2558	188	-0.34	4.93	-3.77	-1.17e-03	0.0	3.05e-05
2558	193	5.95	-6.10	0.05	1.06e-03	0.0	-2.46e-04
2558	216	12.38	-0.66	-2.72	-5.09e-04	0.0	-4.73e-04
2558	220	-0.44	5.75	-4.10	-1.36e-03	0.0	3.86e-05
2558	225	7.14	-7.13	0.34	1.24e-03	0.0	-2.92e-04
2559	4	0.05	0.56	-3.07	-1.40e-04	0.0	3.62e-05
2559	42	0.01	-1.02	-1.56	3.13e-04	0.0	-1.52e-04
2559	52	0.05	-4.43e-03	-2.91	-4.05e-06	0.0	-7.68e-06
2559	68	0.04	0.37	-2.17	-9.31e-05	0.0	2.40e-05
2559	86	0.01	-0.68	-1.17	2.09e-04	0.0	-1.01e-04
2559	92	0.04	-3.56e-03	-2.06	-2.46e-06	0.0	-5.24e-06
2559	98	0.03	-3.74e-03	-1.77	-1.77e-06	0.0	-4.09e-06
2559	104	0.02	-0.14	-1.23	4.22e-05	0.0	-2.19e-05
2559	106	0.02	-4.26e-03	-1.27	0.0	0.0	-2.10e-06
2559	107	0.03	-3.81e-03	-1.70	-1.43e-06	0.0	-3.80e-06
2559	112	9.04	-0.19	-2.46	-4.20e-04	0.0	-3.30e-04
2559	124	-0.25	4.44	-3.48	-1.02e-03	0.0	2.58e-05
2559	129	5.11	-5.39	-0.09	9.20e-04	0.0	-2.11e-04
2559	144	10.19	-0.21	-2.56	-4.72e-04	0.0	-3.71e-04
2559	156	-0.29	5.00	-3.70	-1.15e-03	0.0	2.98e-05
2559	161	5.78	-6.07	0.11	1.03e-03	0.0	-2.37e-04
2559	176	10.27	-0.23	-2.53	-4.53e-04	0.0	-3.67e-04
2559	188	-0.34	4.95	-3.67	-1.13e-03	0.0	3.13e-05
2559	193	5.95	-6.03	0.09	1.03e-03	0.0	-2.39e-04
2559	216	12.38	-0.48	-2.54	-5.06e-04	0.0	-4.61e-04
2559	220	-0.44	5.76	-3.99	-1.32e-03	0.0	3.92e-05
2559	225	7.14	-7.04	0.38	1.19e-03	0.0	-2.84e-04
2560	4	0.06	0.47	-3.08	-7.23e-04	4.50e-05	-7.33e-06
2560	44	0.04	-0.82	-2.32	-4.82e-04	5.58e-05	4.29e-06
2560	52	0.06	-0.01	-2.91	-6.56e-04	4.46e-05	-3.82e-06
2560	68	0.04	0.31	-2.18	-5.15e-04	4.00e-05	-4.91e-06
2560	88	0.03	-0.55	-1.67	-3.54e-04	4.72e-05	2.83e-06
2560	92	0.04	-0.01	-2.07	-4.70e-04	3.98e-05	-2.57e-06
2560	98	0.04	-9.20e-03	-1.77	-4.10e-04	4.66e-05	-1.90e-06
2560	105	0.03	-0.12	-1.66	-3.81e-04	4.91e-05	0.0
2560	107	0.03	-8.86e-03	-1.70	-3.96e-04	4.92e-05	-1.75e-06
2560	112	8.90	-0.27	-2.47	-7.22e-04	3.79e-04	-3.65e-04
2560	124	-0.24	3.94	-3.48	-1.13e-03	3.50e-05	1.76e-05
2560	129	5.04	-4.87	-0.09	3.41e-04	2.33e-04	-2.19e-04
2560	144	10.03	-0.31	-2.56	-7.63e-04	4.21e-04	-4.11e-04
2560	156	-0.28	4.43	-3.70	-1.22e-03	3.31e-05	2.04e-05
2560	161	5.70	-5.48	0.11	4.34e-04	2.57e-04	-2.47e-04
2560	176	10.11	-0.33	-2.54	-7.51e-04	4.23e-04	-4.11e-04
2560	188	-0.33	4.39	-3.67	-1.21e-03	3.23e-05	2.11e-05
2560	193	5.87	-5.45	0.09	4.22e-04	2.61e-04	-2.51e-04
2560	216	12.20	-0.59	-2.55	-4.37e-04	4.66e-04	-5.23e-04
2560	220	-0.43	5.11	-3.99	-1.35e-03	2.88e-05	2.65e-05
2560	225	7.04	-6.37	0.38	5.58e-04	3.02e-04	-2.99e-04

2561	4	0.05	0.67	-3.11	-9.78e-05	0.0	9.34e-05
2561	42	0.02	-1.32	-1.60	2.69e-04	0.0	-3.22e-04
2561	52	0.06	-6.72e-03	-2.94	2.10e-05	0.0	-2.98e-06
2561	68	0.04	0.44	-2.20	-6.42e-05	0.0	6.23e-05
2561	86	0.01	-0.88	-1.19	1.81e-04	0.0	-2.15e-04
2561	92	0.04	-5.30e-03	-2.09	1.50e-05	0.0	-1.95e-06
2561	98	0.03	-5.20e-03	-1.79	1.27e-05	0.0	-1.39e-06
2561	104	0.02	-0.18	-1.26	4.38e-05	0.0	-4.32e-05
2561	106	0.02	-5.86e-03	-1.29	9.90e-06	0.0	0.0
2561	107	0.03	-5.29e-03	-1.72	1.23e-05	0.0	-1.24e-06
2561	112	9.25	-0.23	-2.63	-4.21e-04	0.0	-3.07e-04
2561	124	-0.25	4.93	-3.58	-1.00e-03	0.0	5.80e-05
2561	129	5.23	-5.99	-0.12	9.17e-04	0.0	-2.26e-04
2561	144	10.42	-0.27	-2.74	-4.75e-04	0.0	-3.45e-04
2561	156	-0.30	5.55	-3.81	-1.13e-03	0.0	6.57e-05
2561	161	5.91	-6.75	0.08	1.03e-03	0.0	-2.54e-04
2561	176	10.50	-0.28	-2.72	-4.56e-04	0.0	-3.37e-04
2561	188	-0.35	5.50	-3.77	-1.11e-03	0.0	6.73e-05
2561	193	6.09	-6.69	0.05	1.02e-03	0.0	-2.53e-04
2561	216	12.64	-0.56	-2.74	-5.24e-04	0.0	-4.14e-04
2561	220	-0.45	6.41	-4.10	-1.30e-03	0.0	8.08e-05
2561	225	7.30	-7.82	0.33	1.19e-03	0.0	-3.00e-04
2562	4	0.06	0.63	-3.07	-8.59e-05	0.0	7.63e-05
2562	42	0.02	-1.17	-1.56	2.37e-04	0.0	-2.64e-04
2562	52	0.06	-4.89e-03	-2.91	2.27e-05	0.0	-2.47e-06
2562	68	0.04	0.42	-2.17	-5.61e-05	0.0	5.09e-05
2562	86	0.01	-0.78	-1.17	1.59e-04	0.0	-1.76e-04
2562	92	0.04	-4.06e-03	-2.06	1.63e-05	0.0	-1.59e-06
2562	98	0.04	-4.27e-03	-1.77	1.37e-05	0.0	-1.10e-06
2562	104	0.02	-0.16	-1.23	4.01e-05	0.0	-3.52e-05
2562	106	0.02	-5.48e-03	-1.27	1.06e-05	0.0	0.0
2562	107	0.03	-4.44e-03	-1.70	1.32e-05	0.0	0.0
2562	112	9.27	-0.12	-2.46	-4.15e-04	0.0	-3.00e-04
2562	124	-0.25	4.92	-3.48	-9.85e-04	0.0	5.48e-05
2562	129	5.24	-5.91	-0.09	9.01e-04	0.0	-2.18e-04
2562	144	10.45	-0.14	-2.56	-4.68e-04	0.0	-3.37e-04
2562	156	-0.30	5.54	-3.70	-1.11e-03	0.0	6.21e-05
2562	161	5.93	-6.66	0.11	1.01e-03	0.0	-2.46e-04
2562	176	10.53	-0.15	-2.53	-4.51e-04	0.0	-3.29e-04
2562	188	-0.34	5.48	-3.67	-1.09e-03	0.0	6.35e-05
2562	193	6.10	-6.60	0.09	1.00e-03	0.0	-2.45e-04
2562	216	12.67	-0.41	-2.54	-5.30e-04	0.0	-4.05e-04
2562	220	-0.45	6.39	-3.98	-1.27e-03	0.0	7.63e-05
2562	225	7.32	-7.72	0.38	1.16e-03	0.0	-2.89e-04
2563	4	0.11	0.69	-3.11	-1.92e-05	0.0	7.65e-05
2563	44	0.09	-1.38	-2.35	1.71e-04	0.0	-2.60e-04
2563	52	0.12	-0.03	-2.95	5.86e-05	0.0	-1.35e-06
2563	68	0.08	0.46	-2.20	-1.05e-05	0.0	5.11e-05
2563	88	0.06	-0.92	-1.70	1.16e-04	0.0	-1.73e-04
2563	92	0.08	-0.02	-2.09	4.14e-05	0.0	0.0
2563	98	0.07	-0.02	-1.80	3.45e-05	0.0	0.0
2563	105	0.06	-0.20	-1.69	4.88e-05	0.0	-3.50e-05
2563	107	0.06	-0.02	-1.72	3.30e-05	0.0	0.0
2563	112	9.96	-0.22	-2.67	2.11e-05	0.0	-3.14e-04
2563	124	-0.24	5.38	-3.59	-8.13e-04	0.0	6.06e-05
2563	129	5.64	-6.52	-0.13	1.02e-03	0.0	-2.30e-04
2563	144	11.22	-0.25	-2.79	1.99e-05	0.0	-3.54e-04
2563	156	-0.28	6.05	-3.82	-9.19e-04	0.0	6.85e-05
2563	161	6.37	-7.34	0.06	1.14e-03	0.0	-2.59e-04
2563	176	11.31	-0.25	-2.77	1.63e-05	0.0	-3.44e-04
2563	188	-0.34	5.99	-3.79	-9.10e-04	0.0	7.00e-05
2563	193	6.56	-7.28	0.04	1.13e-03	0.0	-2.58e-04
2563	216	13.59	-0.55	-2.80	4.23e-05	0.0	-4.20e-04
2563	220	-0.45	6.98	-4.13	-1.07e-03	0.0	8.39e-05
2563	225	7.86	-8.50	0.32	1.31e-03	0.0	-3.04e-04
2564	4	0.11	0.65	-3.07	-2.35e-05	0.0	7.09e-05
2564	44	0.09	-1.27	-2.32	1.88e-04	0.0	-2.39e-04
2564	52	0.12	-0.03	-2.91	5.92e-05	0.0	0.0
2564	68	0.08	0.43	-2.17	-1.34e-05	0.0	4.74e-05
2564	88	0.06	-0.85	-1.67	1.28e-04	0.0	-1.59e-04
2564	92	0.08	-0.02	-2.06	4.18e-05	0.0	0.0
2564	98	0.07	-0.02	-1.77	3.48e-05	0.0	0.0
2564	105	0.06	-0.18	-1.66	5.14e-05	0.0	-3.18e-05
2564	107	0.06	-0.02	-1.70	3.33e-05	0.0	0.0
2564	112	9.96	-0.10	-2.46	7.60e-06	0.0	-3.11e-04

2564	124	-0.24	5.37	-3.48	-8.17e-04	0.0	5.99e-05
2564	129	5.64	-6.44	-0.09	1.02e-03	0.0	-2.27e-04
2564	144	11.22	-0.12	-2.55	4.69e-06	0.0	-3.50e-04
2564	156	-0.28	6.04	-3.70	-9.23e-04	0.0	6.76e-05
2564	161	6.37	-7.25	0.11	1.14e-03	0.0	-2.56e-04
2564	176	11.31	-0.13	-2.53	1.75e-06	0.0	-3.40e-04
2564	188	-0.34	5.98	-3.66	-9.14e-04	0.0	6.91e-05
2564	193	6.56	-7.19	0.09	1.13e-03	0.0	-2.53e-04
2564	216	13.58	-0.39	-2.54	2.47e-05	0.0	-4.15e-04
2564	220	-0.45	6.97	-3.98	-1.07e-03	0.0	8.26e-05
2564	225	7.86	-8.39	0.38	1.31e-03	0.0	-2.99e-04
2565	4	0.17	0.68	-3.11	4.01e-05	0.0	6.41e-05
2565	44	0.15	-1.45	-2.36	1.31e-04	0.0	-2.23e-04
2565	52	0.18	-0.07	-2.95	9.59e-05	0.0	-2.31e-06
2565	68	0.12	0.45	-2.20	3.03e-05	0.0	4.28e-05
2565	88	0.10	-0.97	-1.70	9.06e-05	0.0	-1.49e-04
2565	92	0.13	-0.05	-2.09	6.75e-05	0.0	-1.53e-06
2565	98	0.10	-0.04	-1.80	5.62e-05	0.0	-1.23e-06
2565	105	0.10	-0.23	-1.69	5.98e-05	0.0	-3.06e-05
2565	107	0.10	-0.04	-1.72	5.36e-05	0.0	-1.10e-06
2565	112	10.67	-0.25	-2.69	9.04e-05	0.0	-3.52e-04
2565	124	-0.22	5.78	-3.60	-7.47e-04	0.0	5.50e-05
2565	129	6.04	-7.05	-0.14	1.02e-03	0.0	-2.46e-04
2565	144	12.01	-0.28	-2.81	9.56e-05	0.0	-3.97e-04
2565	156	-0.27	6.51	-3.83	-8.47e-04	0.0	6.23e-05
2565	161	6.82	-7.94	0.06	1.15e-03	0.0	-2.77e-04
2565	176	12.11	-0.29	-2.79	9.51e-05	0.0	-3.86e-04
2565	188	-0.32	6.44	-3.80	-8.38e-04	0.0	6.38e-05
2565	193	7.02	-7.87	0.03	1.14e-03	0.0	-2.76e-04
2565	216	14.52	-0.61	-2.83	1.51e-04	0.0	-4.76e-04
2565	220	-0.44	7.52	-4.14	-9.86e-04	0.0	7.69e-05
2565	225	8.41	-9.19	0.31	1.32e-03	0.0	-3.26e-04
2566	4	0.17	0.65	-3.07	2.99e-05	0.0	5.96e-05
2566	44	0.15	-1.36	-2.32	1.61e-04	0.0	-2.06e-04
2566	52	0.18	-0.07	-2.91	9.50e-05	0.0	-1.84e-06
2566	68	0.12	0.43	-2.17	2.34e-05	0.0	3.98e-05
2566	88	0.10	-0.91	-1.67	1.11e-04	0.0	-1.37e-04
2566	92	0.13	-0.05	-2.06	6.69e-05	0.0	-1.20e-06
2566	98	0.10	-0.04	-1.77	5.56e-05	0.0	0.0
2566	105	0.10	-0.21	-1.66	6.33e-05	0.0	-2.81e-05
2566	107	0.10	-0.04	-1.70	5.30e-05	0.0	0.0
2566	112	10.67	-0.13	-2.46	6.17e-05	0.0	-3.51e-04
2566	124	-0.22	5.77	-3.47	-7.61e-04	0.0	5.44e-05
2566	129	6.04	-6.97	-0.09	1.02e-03	0.0	-2.44e-04
2566	144	12.01	-0.14	-2.55	6.32e-05	0.0	-3.95e-04
2566	156	-0.27	6.50	-3.70	-8.63e-04	0.0	6.15e-05
2566	161	6.82	-7.85	0.11	1.14e-03	0.0	-2.75e-04
2566	176	12.11	-0.15	-2.52	6.26e-05	0.0	-3.85e-04
2566	188	-0.32	6.44	-3.66	-8.54e-04	0.0	6.30e-05
2566	193	7.02	-7.78	0.09	1.13e-03	0.0	-2.74e-04
2566	216	14.52	-0.43	-2.53	1.07e-04	0.0	-4.75e-04
2566	220	-0.44	7.51	-3.98	-1.00e-03	0.0	7.59e-05
2566	225	8.41	-9.08	0.38	1.31e-03	0.0	-3.24e-04
2567	4	0.05	0.54	-3.04	-1.15e-04	0.0	2.55e-05
2567	41	0.01	-0.96	-1.40	2.19e-04	0.0	-9.91e-05
2567	52	0.06	-1.09e-03	-2.87	-6.77e-06	0.0	-3.45e-06
2567	68	0.04	0.36	-2.14	-7.63e-05	0.0	1.70e-05
2567	85	9.86e-03	-0.64	-1.05	1.46e-04	0.0	-6.61e-05
2567	92	0.04	-1.28e-03	-2.03	-4.38e-06	0.0	-2.28e-06
2567	98	0.03	-1.96e-03	-1.74	-3.41e-06	0.0	-1.68e-06
2567	104	0.02	-0.13	-1.20	2.88e-05	0.0	-1.36e-05
2567	106	0.02	-3.35e-03	-1.23	0.0	0.0	0.0
2567	107	0.03	-2.16e-03	-1.67	-3.01e-06	0.0	-1.51e-06
2567	112	9.04	-0.06	-2.35	-4.11e-04	0.0	-3.08e-04
2567	124	-0.25	4.45	-3.40	-9.86e-04	0.0	2.67e-05
2567	129	5.11	-5.33	-0.07	8.82e-04	0.0	-1.96e-04
2567	144	10.19	-0.08	-2.44	-4.62e-04	0.0	-3.47e-04
2567	156	-0.29	5.01	-3.62	-1.11e-03	0.0	3.05e-05
2567	161	5.78	-6.00	0.13	9.92e-04	0.0	-2.21e-04
2567	176	10.27	-0.09	-2.41	-4.46e-04	0.0	-3.42e-04
2567	188	-0.34	4.96	-3.58	-1.09e-03	0.0	3.16e-05
2567	193	5.95	-5.95	0.11	9.82e-04	0.0	-2.22e-04
2567	216	12.38	-0.31	-2.47	-5.18e-04	0.0	-4.30e-04
2567	220	-0.44	5.78	-3.89	-1.27e-03	0.0	3.90e-05
2567	225	7.14	-6.96	0.40	1.14e-03	0.0	-2.64e-04

2568	4	0.06	0.47	-3.05	-7.38e-04	3.82e-05	-1.42e-06
2568	44	0.04	-0.83	-2.28	-4.95e-04	5.40e-05	1.05e-05
2568	52	0.06	-0.02	-2.88	-6.70e-04	3.89e-05	2.15e-06
2568	68	0.04	0.31	-2.15	-5.25e-04	3.57e-05	0.0
2568	88	0.03	-0.55	-1.64	-3.64e-04	4.62e-05	7.28e-06
2568	92	0.04	-0.01	-2.04	-4.81e-04	3.61e-05	1.69e-06
2568	98	0.04	-9.98e-03	-1.74	-4.19e-04	4.30e-05	1.80e-06
2568	105	0.03	-0.12	-1.64	-3.90e-04	4.63e-05	2.92e-06
2568	107	0.03	-9.64e-03	-1.67	-4.05e-04	4.61e-05	1.82e-06
2568	112	8.90	-0.14	-2.36	-7.23e-04	4.68e-04	-3.63e-04
2568	124	-0.24	3.97	-3.41	-1.13e-03	3.48e-05	2.11e-05
2568	129	5.04	-4.83	-0.08	3.25e-04	2.75e-04	-2.16e-04
2568	144	10.03	-0.16	-2.44	-7.63e-04	5.22e-04	-4.09e-04
2568	156	-0.28	4.47	-3.62	-1.22e-03	3.31e-05	2.39e-05
2568	161	5.70	-5.44	0.12	4.16e-04	3.05e-04	-2.45e-04
2568	176	10.11	-0.18	-2.41	-7.52e-04	5.24e-04	-4.08e-04
2568	188	-0.33	4.42	-3.59	-1.21e-03	3.13e-05	2.46e-05
2568	193	5.87	-5.40	0.10	4.05e-04	3.12e-04	-2.48e-04
2568	216	12.20	-0.40	-2.48	-4.57e-04	5.89e-04	-5.21e-04
2568	220	-0.43	5.16	-3.90	-1.34e-03	2.73e-05	3.00e-05
2568	225	7.03	-6.31	0.39	5.40e-04	3.65e-04	-2.97e-04
2569	4	0.06	0.60	-3.03	-7.18e-05	0.0	5.37e-05
2569	42	0.02	-1.07	-1.52	1.96e-04	0.0	-1.63e-04
2569	52	0.06	-2.13e-03	-2.87	2.40e-05	0.0	3.84e-06
2569	68	0.04	0.40	-2.14	-4.67e-05	0.0	3.61e-05
2569	86	0.01	-0.71	-1.13	1.32e-04	0.0	-1.09e-04
2569	92	0.04	-2.19e-03	-2.03	1.71e-05	0.0	2.83e-06
2569	98	0.04	-2.80e-03	-1.74	1.43e-05	0.0	2.56e-06
2569	104	0.02	-0.15	-1.20	3.49e-05	0.0	-1.99e-05
2569	106	0.02	-4.74e-03	-1.23	1.10e-05	0.0	2.33e-06
2569	107	0.03	-3.08e-03	-1.66	1.38e-05	0.0	2.53e-06
2569	112	9.28	-0.01	-2.35	-4.08e-04	0.0	-2.68e-04
2569	124	-0.25	4.92	-3.40	-9.63e-04	0.0	5.03e-05
2569	129	5.25	-5.84	-0.07	9.92e-04	0.0	-1.90e-04
2569	144	10.46	-0.02	-2.44	-4.61e-04	0.0	-3.02e-04
2569	156	-0.30	5.53	-3.61	-1.08e-03	0.0	5.65e-05
2569	161	5.93	-6.57	0.13	1.11e-03	0.0	-2.14e-04
2569	176	10.54	-0.03	-2.40	-4.46e-04	0.0	-2.93e-04
2569	188	-0.34	5.47	-3.58	-1.07e-03	0.0	5.76e-05
2569	193	6.11	-6.52	0.11	1.10e-03	0.0	-2.12e-04
2569	216	12.69	-0.25	-2.47	-6.02e-05	0.0	-3.58e-04
2569	220	-0.45	6.37	-3.89	-1.25e-03	0.0	6.85e-05
2569	225	7.33	-7.61	0.40	1.28e-03	0.0	-2.51e-04
2570	4	0.11	0.62	-3.03	-2.44e-05	0.0	5.39e-05
2570	44	0.09	-1.17	-2.27	1.95e-04	0.0	-1.63e-04
2570	52	0.12	-0.02	-2.86	6.01e-05	0.0	3.86e-06
2570	68	0.08	0.41	-2.14	-1.39e-05	0.0	3.62e-05
2570	88	0.06	-0.78	-1.63	1.32e-04	0.0	-1.08e-04
2570	92	0.08	-0.02	-2.03	4.24e-05	0.0	2.82e-06
2570	98	0.07	-0.02	-1.73	3.52e-05	0.0	2.49e-06
2570	105	0.06	-0.17	-1.63	5.26e-05	0.0	-1.97e-05
2570	107	0.06	-0.02	-1.66	3.37e-05	0.0	2.45e-06
2570	112	9.96	8.47e-03	-2.35	-9.18e-06	0.0	-2.95e-04
2570	124	-0.24	5.35	-3.39	-8.17e-04	0.0	5.60e-05
2570	129	5.63	-6.36	-0.07	1.01e-03	0.0	-2.10e-04
2570	144	11.22	8.13e-03	-2.43	-1.42e-05	0.0	-3.32e-04
2570	156	-0.28	6.03	-3.61	-9.24e-04	0.0	6.28e-05
2570	161	6.37	-7.16	0.13	1.13e-03	0.0	-2.37e-04
2570	176	11.30	-4.33e-03	-2.40	-1.64e-05	0.0	-3.22e-04
2570	188	-0.34	5.96	-3.58	-9.14e-04	0.0	6.40e-05
2570	193	6.55	-7.10	0.11	1.12e-03	0.0	-2.34e-04
2570	216	13.58	-0.24	-2.47	2.90e-06	0.0	-3.92e-04
2570	220	-0.45	6.95	-3.89	-1.07e-03	0.0	7.62e-05
2570	225	7.85	-8.29	0.40	1.30e-03	0.0	-2.76e-04
2571	4	0.18	0.62	-3.03	1.89e-05	0.0	4.49e-05
2571	44	0.15	-1.27	-2.27	1.92e-04	0.0	-1.45e-04
2571	52	0.18	-0.07	-2.86	9.38e-05	0.0	1.03e-06
2571	68	0.12	0.41	-2.14	1.60e-05	0.0	3.01e-05
2571	88	0.10	-0.85	-1.63	1.31e-04	0.0	-9.64e-05
2571	92	0.13	-0.05	-2.03	6.60e-05	0.0	0.0
2571	98	0.10	-0.04	-1.73	5.47e-05	0.0	0.0
2571	105	0.10	-0.20	-1.63	6.68e-05	0.0	-1.87e-05
2571	107	0.10	-0.04	-1.66	5.22e-05	0.0	0.0
2571	112	10.67	2.43e-03	-2.35	2.66e-05	0.0	-3.46e-04
2571	124	-0.22	5.77	-3.39	-7.78e-04	0.0	5.14e-05

2571	129	6.04	-6.89	-0.07	1.02e-03	0.0	-2.36e-04
2571	144	12.01	4.05e-03	-2.43	2.38e-05	0.0	-3.90e-04
2571	156	-0.27	6.50	-3.61	-8.82e-04	0.0	5.80e-05
2571	161	6.82	-7.75	0.13	1.14e-03	0.0	-2.66e-04
2571	176	12.11	-7.92e-03	-2.40	2.30e-05	0.0	-3.80e-04
2571	188	-0.32	6.43	-3.57	-8.72e-04	0.0	5.93e-05
2571	193	7.02	-7.69	0.11	1.13e-03	0.0	-2.64e-04
2571	216	14.52	-0.26	-2.47	5.39e-05	0.0	-4.68e-04
2571	220	-0.44	7.49	-3.88	-1.02e-03	0.0	7.12e-05
2571	225	8.41	-8.97	0.40	1.31e-03	0.0	-3.12e-04
2572	4	0.05	0.54	-3.00	-9.72e-05	1.56e-05	6.42e-06
2572	41	0.01	-0.91	-1.36	1.56e-04	4.76e-06	8.74e-06
2572	52	0.06	2.84e-03	-2.84	-8.15e-06	1.53e-05	7.85e-06
2572	68	0.04	0.36	-2.12	-6.47e-05	1.08e-05	4.65e-06
2572	85	0.01	-0.61	-1.02	1.04e-04	3.51e-06	6.19e-06
2572	92	0.04	1.41e-03	-2.01	-5.37e-06	1.06e-05	5.60e-06
2572	98	0.03	1.63e-04	-1.71	-4.32e-06	8.19e-06	4.75e-06
2572	104	0.02	-0.12	-1.17	1.98e-05	4.43e-06	4.11e-06
2572	106	0.02	-2.21e-03	-1.20	-1.26e-06	4.66e-06	3.59e-06
2572	107	0.03	-1.75e-04	-1.64	-3.89e-06	7.69e-06	4.58e-06
2572	112	9.04	0.05	-2.39	-4.20e-04	4.50e-04	-2.71e-04
2572	129	5.11	-5.28	0.11	9.55e-04	2.54e-04	-1.69e-04
2572	130	-5.05	5.28	-3.38	-9.63e-04	-2.39e-04	1.78e-04
2572	144	10.19	0.05	-2.48	-4.72e-04	5.06e-04	-3.06e-04
2572	161	5.78	-5.94	0.32	1.08e-03	2.86e-04	-1.91e-04
2572	162	-5.72	5.94	-3.60	-1.08e-03	-2.71e-04	2.00e-04
2572	176	10.27	0.03	-2.46	-4.59e-04	5.08e-04	-3.00e-04
2572	193	5.95	-5.89	0.30	1.06e-03	2.93e-04	-1.90e-04
2572	194	-5.89	5.89	-3.58	-1.07e-03	-2.78e-04	1.99e-04
2572	216	12.38	-0.16	-1.80	-7.44e-05	5.82e-04	-3.78e-04
2572	225	7.14	-6.88	0.62	1.24e-03	3.49e-04	-2.26e-04
2572	226	-7.08	6.88	-3.90	-1.25e-03	-3.34e-04	2.35e-04
2573	4	0.06	0.47	-3.05	-7.52e-04	6.67e-05	-9.08e-06
2573	44	0.04	-0.84	-2.27	-5.09e-04	5.84e-05	-2.66e-06
2573	52	0.06	-0.02	-2.88	-6.85e-04	6.73e-05	-7.68e-06
2573	68	0.04	0.31	-2.15	-5.36e-04	4.69e-05	-6.33e-06
2573	88	0.03	-0.56	-1.63	-3.74e-04	4.13e-05	-2.04e-06
2573	92	0.04	-0.01	-2.04	-4.91e-04	4.73e-05	-5.39e-06
2573	98	0.04	-0.01	-1.74	-4.29e-04	3.90e-05	-4.49e-06
2573	105	0.03	-0.12	-1.62	-3.99e-04	3.70e-05	-3.74e-06
2573	107	0.03	-0.01	-1.66	-4.14e-04	3.71e-05	-4.28e-06
2573	112	8.90	-8.33e-03	-2.41	-7.25e-04	1.04e-03	-3.88e-04
2573	129	5.04	-4.79	0.08	3.09e-04	6.02e-04	-2.35e-04
2573	130	-4.97	4.77	-3.41	-1.14e-03	-5.28e-04	2.26e-04
2573	144	10.03	-0.01	-2.50	-7.64e-04	1.16e-03	-4.37e-04
2573	161	5.70	-5.39	0.30	3.99e-04	6.76e-04	-2.65e-04
2573	162	-5.63	5.37	-3.62	-1.23e-03	-6.02e-04	2.56e-04
2573	176	10.11	-0.03	-2.48	-7.54e-04	1.17e-03	-4.36e-04
2573	193	5.86	-5.35	0.28	3.89e-04	6.92e-04	-2.69e-04
2573	194	-5.80	5.32	-3.60	-1.22e-03	-6.18e-04	2.61e-04
2573	216	12.19	-0.21	-1.82	-4.77e-04	1.37e-03	-5.55e-04
2573	225	7.03	-6.25	0.60	5.21e-04	8.21e-04	-3.21e-04
2573	226	-6.97	6.22	-3.92	-1.35e-03	-7.47e-04	3.13e-04
2574	4	0.06	0.58	-2.98	-6.09e-05	5.83e-05	2.10e-05
2574	42	0.02	-1.00	-1.46	1.69e-04	3.54e-05	1.77e-05
2574	52	0.06	-2.29e-03	-2.82	2.63e-05	5.91e-05	2.23e-05
2574	68	0.04	0.38	-2.10	-3.94e-05	4.10e-05	1.49e-05
2574	86	0.01	-0.67	-1.09	1.14e-04	2.57e-05	1.28e-05
2574	92	0.04	-2.35e-03	-1.99	1.87e-05	4.16e-05	1.58e-05
2574	98	0.04	-3.01e-03	-1.70	1.56e-05	3.43e-05	1.33e-05
2574	104	0.02	-0.14	-1.16	3.19e-05	2.33e-05	1.00e-05
2574	106	0.02	-5.09e-03	-1.20	1.17e-05	2.34e-05	9.59e-06
2574	107	0.03	-3.31e-03	-1.63	1.51e-05	3.28e-05	1.28e-05
2574	112	9.28	0.09	-2.37	-4.05e-04	8.72e-04	1.67e-04
2574	129	5.25	-5.78	0.12	9.77e-04	4.98e-04	-1.32e-04
2574	130	-5.18	5.77	-3.37	-9.47e-04	-4.32e-04	1.58e-04
2574	144	10.46	0.09	-2.47	-4.57e-04	9.79e-04	1.86e-04
2574	161	5.94	-6.50	0.34	1.10e-03	5.59e-04	-1.50e-04
2574	162	-5.87	6.50	-3.59	-1.07e-03	-4.93e-04	1.76e-04
2574	176	10.54	0.08	-2.44	-4.44e-04	9.85e-04	1.75e-04
2574	193	6.11	-6.45	0.31	1.08e-03	5.73e-04	-1.44e-04
2574	194	-6.04	6.44	-3.56	-1.05e-03	-5.08e-04	1.69e-04
2574	216	12.69	-0.12	-1.79	-5.28e-05	1.15e-03	-2.53e-04
2574	225	7.33	-7.53	0.63	1.26e-03	6.81e-04	-1.70e-04
2574	226	-7.26	7.52	-3.88	-1.23e-03	-6.15e-04	1.95e-04

2575	4	0.11	0.60	-2.97	-2.40e-05	9.92e-05	1.38e-05
2575	44	0.09	-1.09	-2.21	1.93e-04	9.07e-05	1.59e-05
2575	52	0.12	-0.03	-2.80	6.00e-05	1.01e-04	1.47e-05
2575	68	0.08	0.40	-2.09	-1.37e-05	7.00e-05	9.81e-06
2575	88	0.06	-0.73	-1.59	1.31e-04	6.43e-05	1.12e-05
2575	92	0.08	-0.02	-1.98	4.23e-05	7.13e-05	1.04e-05
2575	98	0.07	-0.02	-1.69	3.51e-05	5.93e-05	8.76e-06
2575	105	0.06	-0.16	-1.58	5.22e-05	5.69e-05	8.78e-06
2575	107	0.06	-0.02	-1.62	3.35e-05	5.67e-05	8.41e-06
2575	112	9.95	0.11	-2.37	-3.32e-05	1.26e-03	2.10e-04
2575	129	5.63	-6.29	0.12	9.96e-04	7.21e-04	-1.72e-04
2575	130	-5.50	6.26	-3.36	-9.28e-04	-6.08e-04	1.89e-04
2575	144	11.22	0.13	-2.46	-4.13e-05	1.41e-03	2.36e-04
2575	161	6.37	-7.08	0.34	1.12e-03	8.08e-04	-1.95e-04
2575	162	-6.24	7.05	-3.58	-1.05e-03	-6.95e-04	2.12e-04
2575	176	11.30	0.11	-2.44	-4.30e-05	1.42e-03	2.26e-04
2575	193	6.55	-7.02	0.31	1.10e-03	8.30e-04	-1.90e-04
2575	194	-6.42	6.99	-3.55	-1.04e-03	-7.17e-04	2.07e-04
2575	216	13.58	-0.10	-1.78	-3.08e-05	1.66e-03	-3.47e-04
2575	225	7.85	-8.19	0.63	1.28e-03	9.85e-04	-2.25e-04
2575	226	-7.72	8.16	-3.87	-1.21e-03	-8.71e-04	2.42e-04
2576	4	0.18	0.60	-2.96	1.09e-05	1.11e-04	7.22e-06
2576	44	0.15	-1.20	-2.20	2.07e-04	1.02e-04	9.29e-06
2576	52	0.18	-0.07	-2.80	9.09e-05	1.13e-04	7.77e-06
2576	68	0.12	0.40	-2.09	1.05e-05	7.85e-05	5.14e-06
2576	88	0.10	-0.80	-1.58	1.41e-04	7.26e-05	6.53e-06
2576	92	0.13	-0.05	-1.98	6.39e-05	8.01e-05	5.51e-06
2576	98	0.10	-0.04	-1.69	5.30e-05	6.67e-05	4.64e-06
2576	105	0.10	-0.19	-1.58	6.74e-05	6.40e-05	4.77e-06
2576	107	0.10	-0.04	-1.62	5.05e-05	6.38e-05	4.46e-06
2576	112	10.67	0.13	-2.36	-1.45e-05	1.34e-03	-3.35e-04
2576	129	6.04	-6.82	0.12	1.01e-03	7.68e-04	-2.16e-04
2576	130	-5.84	6.74	-3.36	-9.05e-04	-6.41e-04	2.24e-04
2576	144	12.01	0.15	-2.46	-2.23e-05	1.50e-03	-3.78e-04
2576	161	6.82	-7.67	0.34	1.13e-03	8.61e-04	-2.43e-04
2576	162	-6.63	7.59	-3.57	-1.02e-03	-7.33e-04	2.52e-04
2576	176	12.11	0.13	-2.43	-2.36e-05	1.51e-03	-3.68e-04
2576	193	7.02	-7.60	0.32	1.11e-03	8.84e-04	-2.41e-04
2576	194	-6.83	7.52	-3.55	-1.01e-03	-7.56e-04	2.50e-04
2576	216	14.52	-0.08	-1.77	-9.42e-06	1.77e-03	-4.54e-04
2576	225	8.41	-8.87	0.63	1.29e-03	1.05e-03	-2.86e-04
2576	226	-8.21	8.79	-3.87	-1.19e-03	-9.21e-04	2.95e-04
2577	4	0.23	0.64	-3.11	8.63e-05	0.0	4.55e-05
2577	44	0.20	-1.51	-2.36	9.66e-05	0.0	-1.75e-04
2577	52	0.24	-0.13	-2.95	1.24e-04	0.0	-5.74e-06
2577	68	0.16	0.42	-2.20	6.20e-05	0.0	3.01e-05
2577	88	0.14	-1.01	-1.70	6.89e-05	0.0	-1.17e-04
2577	92	0.17	-0.09	-2.09	8.74e-05	0.0	-3.98e-06
2577	98	0.14	-0.08	-1.80	7.27e-05	0.0	-3.39e-06
2577	105	0.13	-0.26	-1.69	6.76e-05	0.0	-2.59e-05
2577	107	0.13	-0.07	-1.72	6.93e-05	0.0	-3.17e-06
2577	112	11.35	-0.32	-2.69	1.34e-04	0.0	-4.08e-04
2577	124	-0.20	6.13	-3.60	-6.97e-04	0.0	4.48e-05
2577	129	6.43	-7.57	-0.14	1.02e-03	0.0	-2.70e-04
2577	144	12.78	-0.35	-2.81	1.43e-04	0.0	-4.59e-04
2577	156	-0.25	6.91	-3.83	-7.93e-04	0.0	5.11e-05
2577	161	7.26	-8.51	0.06	1.14e-03	0.0	-3.04e-04
2577	176	12.88	-0.36	-2.80	1.44e-04	0.0	-4.50e-04
2577	188	-0.31	6.84	-3.80	-7.84e-04	0.0	5.26e-05
2577	193	7.47	-8.44	0.03	1.13e-03	0.0	-3.04e-04
2577	216	15.42	-0.71	-2.84	2.17e-04	0.0	-5.63e-04
2577	220	-0.44	7.99	-4.13	-9.26e-04	0.0	6.45e-05
2577	225	8.94	-9.85	0.31	1.32e-03	0.0	-3.60e-04
2578	4	0.23	0.62	-3.07	7.16e-05	0.0	4.15e-05
2578	44	0.20	-1.44	-2.32	1.39e-04	0.0	-1.61e-04
2578	52	0.24	-0.12	-2.91	1.23e-04	0.0	-5.52e-06
2578	68	0.16	0.41	-2.17	5.22e-05	0.0	2.75e-05
2578	88	0.14	-0.96	-1.67	9.72e-05	0.0	-1.08e-04
2578	92	0.17	-0.09	-2.06	8.63e-05	0.0	-3.83e-06
2578	98	0.14	-0.07	-1.77	7.18e-05	0.0	-3.27e-06
2578	105	0.13	-0.25	-1.66	7.26e-05	0.0	-2.40e-05
2578	107	0.13	-0.07	-1.70	6.84e-05	0.0	-3.05e-06
2578	112	11.35	-0.17	-2.46	9.57e-05	0.0	-4.09e-04
2578	124	-0.20	6.14	-3.47	-7.17e-04	0.0	4.44e-05
2578	129	6.43	-7.48	-0.09	1.02e-03	0.0	-2.70e-04

2578	144	12.78	-0.19	-2.55	9.97e-05	0.0	-4.60e-04
2578	156	-0.25	6.92	-3.69	-8.16e-04	0.0	5.07e-05
2578	161	7.26	-8.42	0.11	1.14e-03	0.0	-3.04e-04
2578	176	12.88	-0.20	-2.52	1.00e-04	0.0	-4.51e-04
2578	188	-0.31	6.85	-3.66	-8.07e-04	0.0	5.22e-05
2578	193	7.47	-8.35	0.09	1.13e-03	0.0	-3.03e-04
2578	216	15.42	-0.51	-2.53	1.57e-04	0.0	-5.64e-04
2578	220	-0.44	7.99	-3.98	-9.52e-04	0.0	6.39e-05
2578	225	8.95	-9.74	0.38	1.31e-03	0.0	-3.59e-04
2579	4	0.28	0.58	-3.11	1.21e-04	0.0	2.07e-05
2579	44	0.24	-1.54	-2.36	5.68e-05	0.0	-1.06e-04
2579	52	0.29	-0.20	-2.95	1.42e-04	0.0	-8.79e-06
2579	68	0.20	0.38	-2.20	8.57e-05	0.0	1.34e-05
2579	88	0.17	-1.03	-1.70	4.29e-05	0.0	-7.10e-05
2579	92	0.20	-0.14	-2.09	9.98e-05	0.0	-6.20e-06
2579	98	0.17	-0.12	-1.80	8.30e-05	0.0	-5.29e-06
2579	105	0.16	-0.29	-1.69	7.01e-05	0.0	-1.81e-05
2579	107	0.16	-0.11	-1.72	7.91e-05	0.0	-5.03e-06
2579	112	12.04	-0.40	-2.68	1.54e-04	0.0	-4.74e-04
2579	124	-0.19	6.46	-3.59	-6.63e-04	0.0	3.69e-05
2579	129	6.82	-8.07	-0.14	1.01e-03	0.0	-3.02e-04
2579	144	13.55	-0.44	-2.80	1.64e-04	0.0	-5.33e-04
2579	156	-0.24	7.29	-3.82	-7.56e-04	0.0	4.25e-05
2579	161	7.70	-9.08	0.06	1.13e-03	0.0	-3.40e-04
2579	176	13.66	-0.45	-2.78	1.66e-04	0.0	-5.26e-04
2579	188	-0.31	7.22	-3.79	-7.48e-04	0.0	4.40e-05
2579	193	7.93	-9.01	0.03	1.12e-03	0.0	-3.41e-04
2579	216	16.33	-0.84	-2.81	2.46e-04	0.0	-6.66e-04
2579	220	-0.44	8.43	-4.13	-8.85e-04	0.0	5.50e-05
2579	225	9.48	-10.51	0.31	1.30e-03	0.0	-4.05e-04
2580	4	0.29	0.57	-3.07	1.03e-04	0.0	1.78e-05
2580	44	0.25	-1.50	-2.32	1.13e-04	0.0	-9.59e-05
2580	52	0.29	-0.19	-2.91	1.41e-04	0.0	-8.73e-06
2580	68	0.20	0.37	-2.17	7.38e-05	0.0	1.15e-05
2580	88	0.18	-1.01	-1.67	8.02e-05	0.0	-6.43e-05
2580	92	0.21	-0.14	-2.06	9.93e-05	0.0	-6.15e-06
2580	98	0.17	-0.11	-1.77	8.26e-05	0.0	-5.26e-06
2580	105	0.16	-0.29	-1.66	7.72e-05	0.0	-1.68e-05
2580	107	0.16	-0.11	-1.70	7.86e-05	0.0	-5.00e-06
2580	112	12.03	-0.23	-2.45	1.11e-04	0.0	-4.76e-04
2580	124	-0.19	6.48	-3.47	-6.86e-04	0.0	3.67e-05
2580	129	6.82	-7.99	-0.09	1.01e-03	0.0	-3.03e-04
2580	144	13.54	-0.24	-2.55	1.15e-04	0.0	-5.36e-04
2580	156	-0.24	7.31	-3.69	-7.81e-04	0.0	4.24e-05
2580	161	7.69	-8.98	0.11	1.13e-03	0.0	-3.41e-04
2580	176	13.65	-0.25	-2.52	1.17e-04	0.0	-5.28e-04
2580	188	-0.31	7.24	-3.66	-7.73e-04	0.0	4.39e-05
2580	193	7.92	-8.91	0.09	1.12e-03	0.0	-3.42e-04
2580	216	16.32	-0.59	-2.53	1.78e-04	0.0	-6.70e-04
2580	220	-0.44	8.45	-3.98	-9.13e-04	0.0	5.48e-05
2580	225	9.47	-10.39	0.38	1.29e-03	0.0	-4.06e-04
2581	4	0.33	0.50	-3.11	-1.52e-04	1.04e-04	-9.53e-06
2581	44	0.29	-1.54	-2.36	8.99e-04	1.05e-04	-3.13e-06
2581	52	0.34	-0.27	-2.95	1.14e-04	1.05e-04	-8.14e-06
2581	68	0.23	0.33	-2.20	-9.67e-05	7.76e-05	-6.75e-06
2581	88	0.20	-1.04	-1.70	6.04e-04	7.81e-05	-2.48e-06
2581	92	0.24	-0.19	-2.09	8.09e-05	7.84e-05	-5.83e-06
2581	98	0.20	-0.16	-1.80	6.86e-05	7.34e-05	-4.93e-06
2581	105	0.19	-0.33	-1.69	1.72e-04	7.30e-05	-4.20e-06
2581	107	0.19	-0.15	-1.72	6.56e-05	7.26e-05	-4.77e-06
2581	112	12.45	-0.48	-2.65	8.97e-05	6.52e-04	-5.38e-04
2581	124	-0.17	6.78	-3.58	-5.61e-04	5.48e-05	3.51e-05
2581	129	7.06	-8.57	-0.14	8.07e-04	3.93e-04	-3.36e-04
2581	144	14.01	-0.53	-2.77	9.30e-05	7.26e-04	-6.05e-04
2581	156	-0.23	7.65	-3.81	-6.39e-04	5.21e-05	4.06e-05
2581	161	7.97	-9.63	0.06	8.99e-04	4.35e-04	-3.79e-04
2581	176	14.12	-0.54	-2.75	8.95e-05	7.30e-04	-5.98e-04
2581	188	-0.29	7.58	-3.78	-6.32e-04	4.97e-05	4.20e-05
2581	193	8.20	-9.56	0.03	8.88e-04	4.45e-04	-3.81e-04
2581	216	16.86	-0.97	-2.78	9.72e-05	8.31e-04	-7.68e-04
2581	220	-0.43	8.85	-4.11	-7.48e-04	4.38e-05	5.27e-05
2581	225	9.80	-11.15	0.32	1.03e-03	5.18e-04	-4.53e-04
2582	4	0.33	0.51	-3.07	-8.12e-05	1.16e-04	-8.85e-06
2582	44	0.29	-1.54	-2.32	6.19e-04	1.16e-04	-5.44e-06
2582	52	0.34	-0.27	-2.91	1.04e-04	1.17e-04	-8.23e-06

2582	68	0.23	0.33	-2.17	-5.02e-05	8.74e-05	-6.30e-06
2582	88	0.20	-1.04	-1.67	4.16e-04	8.71e-05	-4.03e-06
2582	92	0.24	-0.19	-2.06	7.33e-05	8.79e-05	-5.88e-06
2582	98	0.20	-0.16	-1.77	6.18e-05	8.34e-05	-4.95e-06
2582	105	0.19	-0.33	-1.66	1.29e-04	8.30e-05	-4.52e-06
2582	107	0.19	-0.15	-1.70	5.89e-05	8.28e-05	-4.79e-06
2582	112	12.45	-0.28	-2.45	5.97e-05	6.48e-04	-5.38e-04
2582	124	-0.17	6.82	-3.47	-5.19e-04	6.46e-05	3.52e-05
2582	129	7.06	-8.49	-0.09	7.31e-04	3.96e-04	-3.36e-04
2582	144	14.01	-0.31	-2.55	6.00e-05	7.20e-04	-6.05e-04
2582	156	-0.23	7.69	-3.69	-5.91e-04	6.19e-05	4.07e-05
2582	161	7.97	-9.54	0.11	8.15e-04	4.37e-04	-3.79e-04
2582	176	14.12	-0.32	-2.52	5.73e-05	7.24e-04	-5.98e-04
2582	188	-0.29	7.61	-3.66	-5.84e-04	5.97e-05	4.21e-05
2582	193	8.20	-9.46	0.08	8.05e-04	4.46e-04	-3.81e-04
2582	216	16.86	-0.69	-2.53	6.28e-05	8.21e-04	-7.68e-04
2582	220	-0.43	8.89	-3.98	-6.90e-04	5.39e-05	5.29e-05
2582	225	9.80	-11.03	0.38	9.29e-04	5.18e-04	-4.53e-04
2583	4	0.23	0.60	-3.02	5.42e-05	0.0	3.00e-05
2583	44	0.20	-1.36	-2.27	1.88e-04	0.0	-1.16e-04
2583	52	0.24	-0.12	-2.86	1.21e-04	0.0	-3.99e-06
2583	68	0.16	0.40	-2.14	4.04e-05	0.0	1.99e-05
2583	88	0.14	-0.91	-1.63	1.30e-04	0.0	-7.77e-05
2583	92	0.17	-0.09	-2.03	8.49e-05	0.0	-2.76e-06
2583	98	0.14	-0.07	-1.73	7.05e-05	0.0	-2.36e-06
2583	105	0.13	-0.24	-1.62	7.82e-05	0.0	-1.73e-05
2583	107	0.13	-0.07	-1.66	6.71e-05	0.0	-2.20e-06
2583	112	11.35	-0.02	-2.34	5.01e-05	0.0	-4.12e-04
2583	124	-0.20	6.15	-3.39	-7.43e-04	0.0	4.30e-05
2583	129	6.43	-7.40	-0.07	1.01e-03	0.0	-2.69e-04
2583	144	12.78	-0.02	-2.43	4.84e-05	0.0	-4.64e-04
2583	156	-0.25	6.93	-3.60	-8.44e-04	0.0	4.90e-05
2583	161	7.26	-8.32	0.12	1.13e-03	0.0	-3.03e-04
2583	176	12.88	-0.03	-2.40	4.85e-05	0.0	-4.55e-04
2583	188	-0.31	6.85	-3.57	-8.34e-04	0.0	5.04e-05
2583	193	7.48	-8.25	0.11	1.12e-03	0.0	-3.02e-04
2583	216	15.42	-0.30	-2.47	8.53e-05	0.0	-5.69e-04
2583	220	-0.44	7.99	-3.88	-9.83e-04	0.0	6.17e-05
2583	225	8.95	-9.62	0.40	1.30e-03	0.0	-3.58e-04
2584	4	0.29	0.57	-3.02	8.18e-05	0.0	1.05e-05
2584	44	0.25	-1.46	-2.27	1.80e-04	0.0	-7.15e-05
2584	52	0.30	-0.19	-2.86	1.40e-04	0.0	-8.74e-06
2584	68	0.20	0.37	-2.13	5.94e-05	0.0	6.68e-06
2584	88	0.18	-0.98	-1.63	1.25e-04	0.0	-4.80e-05
2584	92	0.21	-0.13	-2.02	9.85e-05	0.0	-6.16e-06
2584	98	0.17	-0.11	-1.73	8.19e-05	0.0	-5.26e-06
2584	105	0.16	-0.28	-1.62	8.56e-05	0.0	-1.35e-05
2584	107	0.16	-0.11	-1.66	7.79e-05	0.0	-5.01e-06
2584	112	12.02	-0.05	-2.34	6.16e-05	0.0	-4.88e-04
2584	124	-0.18	6.51	-3.38	-7.13e-04	0.0	3.62e-05
2584	129	6.82	-7.91	-0.07	1.00e-03	0.0	-3.09e-04
2584	144	13.53	-0.05	-2.43	6.00e-05	0.0	-5.49e-04
2584	156	-0.24	7.33	-3.60	-8.11e-04	0.0	4.18e-05
2584	161	7.69	-8.89	0.12	1.12e-03	0.0	-3.48e-04
2584	176	13.64	-0.06	-2.40	6.04e-05	0.0	-5.42e-04
2584	188	-0.30	7.26	-3.57	-8.02e-04	0.0	4.34e-05
2584	193	7.92	-8.81	0.11	1.11e-03	0.0	-3.49e-04
2584	216	16.31	-0.35	-2.46	9.92e-05	0.0	-6.87e-04
2584	220	-0.43	8.47	-3.87	-9.47e-04	0.0	5.44e-05
2584	225	9.47	-10.27	0.40	1.28e-03	0.0	-4.15e-04
2585	4	0.33	0.51	-3.02	-7.34e-05	1.24e-04	-7.40e-06
2585	44	0.29	-1.54	-2.26	3.43e-04	1.24e-04	-5.58e-06
2585	52	0.34	-0.27	-2.85	4.56e-05	1.25e-04	-7.28e-06
2585	68	0.23	0.33	-2.13	-4.84e-05	9.40e-05	-5.27e-06
2585	88	0.20	-1.03	-1.63	2.29e-04	9.41e-05	-4.06e-06
2585	92	0.24	-0.19	-2.02	3.10e-05	9.44e-05	-5.19e-06
2585	98	0.20	-0.16	-1.73	2.39e-05	9.06e-05	-4.31e-06
2585	105	0.19	-0.32	-1.62	6.28e-05	9.04e-05	-4.02e-06
2585	107	0.19	-0.15	-1.66	2.19e-05	9.03e-05	-4.17e-06
2585	112	12.45	-0.08	-2.34	-1.67e-06	6.41e-04	-5.36e-04
2585	124	-0.17	6.85	-3.38	-5.10e-04	7.23e-05	3.63e-05
2585	129	7.06	-8.40	-0.07	6.29e-04	3.96e-04	-3.36e-04
2585	144	14.01	-0.08	-2.42	-4.49e-06	7.12e-04	-6.04e-04
2585	156	-0.23	7.73	-3.59	-5.76e-04	6.96e-05	4.19e-05
2585	161	7.96	-9.44	0.12	7.05e-04	4.36e-04	-3.79e-04

2585	176	14.12	-0.09	-2.39	-6.43e-06	7.15e-04	-5.97e-04
2585	188	-0.29	7.65	-3.56	-5.70e-04	6.75e-05	4.34e-05
2585	193	8.20	-9.36	0.11	6.96e-04	4.44e-04	-3.81e-04
2585	216	16.86	-0.40	-2.46	-1.18e-06	8.08e-04	-7.67e-04
2585	220	-0.43	8.93	-3.87	-6.67e-04	6.18e-05	5.43e-05
2585	225	9.80	-10.90	0.39	8.08e-04	5.14e-04	-4.53e-04
2586	4	0.23	0.59	-2.96	4.06e-05	1.11e-04	0.0
2586	44	0.20	-1.30	-2.20	2.17e-04	1.02e-04	2.58e-06
2586	52	0.24	-0.12	-2.79	1.17e-04	1.13e-04	0.0
2586	68	0.16	0.39	-2.09	3.12e-05	7.84e-05	0.0
2586	88	0.14	-0.88	-1.58	1.49e-04	7.28e-05	1.75e-06
2586	92	0.17	-0.08	-1.98	8.21e-05	8.00e-05	0.0
2586	98	0.14	-0.07	-1.68	6.81e-05	6.67e-05	0.0
2586	105	0.13	-0.23	-1.58	8.02e-05	6.41e-05	0.0
2586	107	0.13	-0.07	-1.61	6.48e-05	6.38e-05	0.0
2586	112	11.35	0.13	-2.36	2.35e-06	1.31e-03	-4.17e-04
2586	129	6.43	-7.32	0.12	1.01e-03	7.51e-04	-2.65e-04
2586	130	-6.17	7.18	-3.35	-8.76e-04	-6.23e-04	2.65e-04
2586	144	12.78	0.15	-2.45	-5.17e-06	1.47e-03	-4.70e-04
2586	161	7.26	-8.23	0.34	1.12e-03	8.41e-04	-2.99e-04
2586	162	-7.00	8.10	-3.56	-9.94e-04	-7.13e-04	2.99e-04
2586	176	12.88	0.14	-2.43	-5.96e-06	1.48e-03	-4.62e-04
2586	193	7.48	-8.16	0.31	1.11e-03	8.64e-04	-2.99e-04
2586	194	-7.21	8.02	-3.54	-9.82e-04	-7.36e-04	2.99e-04
2586	216	15.43	-0.08	-1.77	9.93e-06	1.72e-03	-5.79e-04
2586	225	8.95	-9.51	0.63	1.29e-03	1.02e-03	-3.55e-04
2586	226	-8.68	9.38	-3.86	-1.16e-03	-8.96e-04	3.55e-04
2587	4	0.29	0.56	-2.96	6.50e-05	9.52e-05	-8.08e-06
2587	44	0.25	-1.42	-2.20	2.29e-04	8.86e-05	-4.96e-06
2587	52	0.30	-0.19	-2.79	1.39e-04	9.73e-05	-7.96e-06
2587	68	0.21	0.37	-2.09	4.81e-05	6.74e-05	-5.70e-06
2587	88	0.18	-0.95	-1.58	1.57e-04	6.30e-05	-3.62e-06
2587	92	0.21	-0.13	-1.98	9.73e-05	6.88e-05	-5.63e-06
2587	98	0.17	-0.11	-1.68	8.10e-05	5.74e-05	-4.71e-06
2587	105	0.17	-0.27	-1.58	9.14e-05	5.53e-05	-4.23e-06
2587	107	0.17	-0.10	-1.61	7.69e-05	5.50e-05	-4.51e-06
2587	112	12.02	0.13	-2.35	1.75e-05	1.11e-03	-5.21e-04
2587	129	6.82	-7.82	0.12	9.98e-04	6.34e-04	-3.26e-04
2587	130	-6.48	7.61	-3.34	-8.45e-04	-5.24e-04	3.17e-04
2587	144	13.53	0.15	-2.45	1.03e-05	1.24e-03	-5.86e-04
2587	161	7.69	-8.79	0.33	1.11e-03	7.10e-04	-3.68e-04
2587	162	-7.36	8.58	-3.56	-9.60e-04	-6.00e-04	3.59e-04
2587	176	13.64	0.14	-2.42	9.99e-06	1.25e-03	-5.80e-04
2587	193	7.92	-8.71	0.30	1.10e-03	7.29e-04	-3.71e-04
2587	194	-7.58	8.50	-3.53	-9.48e-04	-6.19e-04	3.62e-04
2587	216	16.31	-0.09	-1.77	2.72e-05	1.45e-03	-7.35e-04
2587	225	9.47	-10.15	0.62	1.27e-03	8.64e-04	-4.41e-04
2587	226	-9.14	9.94	-3.85	-1.12e-03	-7.54e-04	4.32e-04
2588	4	0.33	0.52	-2.96	-4.22e-04	1.71e-04	-6.86e-06
2588	44	0.29	-1.53	-2.21	-2.25e-04	9.63e-05	-5.55e-06
2588	52	0.34	-0.26	-2.80	-3.61e-04	1.57e-04	-7.09e-06
2588	68	0.23	0.33	-2.09	-3.03e-04	1.24e-04	-4.92e-06
2588	88	0.20	-1.03	-1.59	-1.72e-04	7.36e-05	-4.05e-06
2588	92	0.24	-0.19	-1.98	-2.62e-04	1.14e-04	-5.08e-06
2588	98	0.20	-0.15	-1.69	-2.38e-04	1.02e-04	-4.35e-06
2588	105	0.19	-0.32	-1.58	-2.18e-04	9.23e-05	-4.08e-06
2588	107	0.19	-0.15	-1.62	-2.32e-04	9.89e-05	-4.20e-06
2588	112	12.45	0.11	-2.35	-2.82e-04	7.96e-04	-5.33e-04
2588	129	7.06	-8.32	0.10	4.26e-04	4.90e-04	-3.37e-04
2588	130	-6.69	8.02	-3.34	-8.90e-04	-2.92e-04	3.29e-04
2588	144	14.01	0.14	-2.45	-2.88e-04	8.85e-04	-6.00e-04
2588	161	7.96	-9.34	0.32	5.08e-04	5.41e-04	-3.80e-04
2588	162	-7.59	9.05	-3.55	-9.72e-04	-3.43e-04	3.72e-04
2588	176	14.12	0.13	-2.42	-2.89e-04	8.89e-04	-5.92e-04
2588	193	8.20	-9.26	0.29	4.99e-04	5.52e-04	-3.83e-04
2588	194	-7.82	8.96	-3.52	-9.63e-04	-3.54e-04	3.74e-04
2588	216	16.86	-0.11	-1.77	-2.82e-04	1.02e-03	-7.62e-04
2588	225	9.80	-10.78	0.61	6.20e-04	6.41e-04	-4.55e-04
2588	226	-9.43	10.49	-3.84	-1.08e-03	-4.44e-04	4.46e-04
2589	4	0.05	0.55	-3.02	-1.06e-04	0.0	-2.99e-05
2589	42	0.02	-1.00	-1.51	2.73e-04	0.0	1.48e-04
2589	52	0.06	-7.22e-03	-2.86	1.36e-05	0.0	1.24e-05
2589	68	0.04	0.37	-2.14	-7.00e-05	0.0	-1.95e-05
2589	86	0.01	-0.67	-1.13	1.83e-04	0.0	9.91e-05
2589	92	0.04	-5.62e-03	-2.02	1.00e-05	0.0	8.65e-06

2589	98	0.03	-5.60e-03	-1.73	8.71e-06	0.0	7.06e-06
2589	104	0.02	-0.14	-1.20	4.28e-05	0.0	2.34e-05
2589	106	0.02	-5.98e-03	-1.23	8.01e-06	0.0	4.63e-06
2589	107	0.03	-5.65e-03	-1.66	8.61e-06	0.0	6.71e-06
2589	112	9.04	0.21	-1.60	-3.02e-05	0.0	-3.01e-04
2589	129	5.11	-5.22	0.12	9.90e-04	0.0	-1.79e-04
2589	130	-5.05	5.21	-3.44	-9.73e-04	0.0	1.92e-04
2589	144	10.19	0.23	-1.59	-3.46e-05	0.0	-3.40e-04
2589	161	5.78	-5.87	0.34	1.11e-03	0.0	-2.03e-04
2589	162	-5.72	5.86	-3.66	-1.10e-03	0.0	2.16e-04
2589	176	10.27	0.21	-1.58	-3.31e-05	0.0	-3.35e-04
2589	193	5.95	-5.82	0.32	1.10e-03	0.0	-2.03e-04
2589	194	-5.89	5.81	-3.65	-1.09e-03	0.0	2.16e-04
2589	216	12.38	0.07	-1.49	-1.21e-06	0.0	-4.25e-04
2589	225	7.14	-6.79	0.66	1.29e-03	0.0	-2.42e-04
2589	226	-7.08	6.78	-3.98	-1.27e-03	0.0	2.56e-04
2590	4	0.06	0.48	-3.03	-7.53e-04	-4.04e-05	-1.30e-05
2590	43	0.04	-0.83	-2.15	-4.80e-04	-5.38e-05	-1.12e-05
2590	52	0.06	-6.48e-03	-2.87	-6.86e-04	-4.08e-05	-1.34e-05
2590	68	0.04	0.32	-2.14	-5.36e-04	-3.65e-05	-9.29e-06
2590	87	0.03	-0.55	-1.56	-3.55e-04	-4.54e-05	-8.14e-06
2590	92	0.04	-4.78e-03	-2.03	-4.92e-04	-3.68e-05	-9.57e-06
2590	98	0.04	-4.58e-03	-1.74	-4.29e-04	-4.43e-05	-8.33e-06
2590	105	0.03	-0.11	-1.63	-4.00e-04	-4.70e-05	-7.99e-06
2590	107	0.03	-4.47e-03	-1.67	-4.15e-04	-4.67e-05	-8.03e-06
2590	112	8.90	0.20	-1.60	-7.08e-04	2.62e-04	-3.67e-04
2590	129	5.04	-4.70	0.11	2.97e-04	1.25e-04	-2.27e-04
2590	130	-4.97	4.69	-3.45	-1.13e-03	-2.18e-04	2.11e-04
2590	144	10.03	0.22	-1.59	-7.44e-04	3.02e-04	-4.12e-04
2590	161	5.70	-5.29	0.34	3.86e-04	1.47e-04	-2.56e-04
2590	162	-5.63	5.28	-3.67	-1.22e-03	-2.40e-04	2.40e-04
2590	176	10.11	0.20	-1.58	-7.36e-04	3.03e-04	-4.10e-04
2590	193	5.86	-5.24	0.32	3.75e-04	1.51e-04	-2.60e-04
2590	194	-5.80	5.23	-3.65	-1.20e-03	-2.44e-04	2.44e-04
2590	216	12.20	0.08	-1.49	-5.06e-04	3.43e-04	-5.18e-04
2590	225	7.03	-6.11	0.66	5.05e-04	1.89e-04	-3.09e-04
2590	226	-6.97	6.11	-3.99	-1.33e-03	-2.83e-04	2.93e-04
2591	4	0.06	0.60	-3.02	-6.89e-05	0.0	-4.72e-05
2591	44	0.04	-1.13	-2.26	2.27e-04	0.0	2.53e-04
2591	52	0.06	-0.02	-2.85	3.22e-05	0.0	2.29e-05
2591	68	0.04	0.40	-2.13	-4.45e-05	0.0	-3.06e-05
2591	88	0.03	-0.76	-1.63	1.53e-04	0.0	1.70e-04
2591	92	0.04	-0.01	-2.02	2.29e-05	0.0	1.61e-05
2591	98	0.03	-0.01	-1.73	1.92e-05	0.0	1.34e-05
2591	105	0.03	-0.16	-1.62	4.49e-05	0.0	4.39e-05
2591	107	0.03	-0.01	-1.66	1.85e-05	0.0	1.28e-05
2591	112	9.27	0.23	-1.60	-5.05e-05	0.0	-2.66e-04
2591	129	5.24	-5.73	0.12	9.80e-04	0.0	3.25e-05
2591	130	-5.18	5.71	-3.44	-9.43e-04	0.0	-6.88e-06
2591	144	10.44	0.25	-1.59	-5.88e-05	0.0	-3.01e-04
2591	161	5.92	-6.45	0.34	1.10e-03	0.0	3.48e-05
2591	162	-5.86	6.42	-3.66	-1.06e-03	0.0	-9.26e-06
2591	176	10.52	0.23	-1.58	-5.84e-05	0.0	-2.93e-04
2591	193	6.10	-6.39	0.32	1.09e-03	0.0	3.15e-05
2591	194	-6.04	6.37	-3.64	-1.05e-03	0.0	-5.96e-06
2591	216	12.67	0.08	-1.50	-3.91e-05	0.0	-3.65e-04
2591	225	7.31	-7.46	0.66	1.27e-03	0.0	3.26e-05
2591	226	-7.25	7.44	-3.98	-1.23e-03	0.0	-7.03e-06
2592	4	0.11	0.63	-3.02	-2.62e-05	0.0	-4.56e-05
2592	44	0.09	-1.24	-2.26	1.90e-04	0.0	2.44e-04
2592	52	0.12	-0.04	-2.85	5.74e-05	0.0	2.20e-05
2592	68	0.08	0.41	-2.13	-1.52e-05	0.0	-2.96e-05
2592	88	0.06	-0.83	-1.63	1.29e-04	0.0	1.64e-04
2592	92	0.08	-0.03	-2.02	4.05e-05	0.0	1.55e-05
2592	98	0.07	-0.02	-1.73	3.36e-05	0.0	1.29e-05
2592	105	0.06	-0.18	-1.62	5.07e-05	0.0	4.23e-05
2592	107	0.06	-0.02	-1.66	3.21e-05	0.0	1.23e-05
2592	112	9.96	0.26	-1.61	-3.58e-04	0.0	-2.83e-04
2592	129	5.63	-6.24	0.12	9.73e-04	0.0	-1.64e-04
2592	130	-5.51	6.19	-3.43	-9.09e-04	0.0	1.89e-04
2592	144	11.22	0.30	-1.60	-4.07e-04	0.0	-3.20e-04
2592	161	6.37	-7.02	0.34	1.09e-03	0.0	-1.86e-04
2592	162	-6.24	6.97	-3.66	-1.03e-03	0.0	2.11e-04
2592	176	11.30	0.28	-1.59	-3.96e-04	0.0	-3.10e-04
2592	193	6.56	-6.95	0.32	1.08e-03	0.0	-1.81e-04

2592	194	-6.43	6.91	-3.64	-1.01e-03	0.0	2.06e-04
2592	216	13.58	0.11	-1.51	-7.99e-05	0.0	-3.83e-04
2592	225	7.85	-8.11	0.66	1.25e-03	0.0	-2.16e-04
2592	226	-7.73	8.07	-3.97	-1.19e-03	0.0	2.40e-04
2593	4	0.18	0.63	-3.02	1.52e-05	0.0	-4.15e-05
2593	44	0.15	-1.33	-2.26	1.69e-04	0.0	2.10e-04
2593	52	0.18	-0.08	-2.85	8.52e-05	0.0	1.71e-05
2593	68	0.12	0.41	-2.13	1.32e-05	0.0	-2.70e-05
2593	88	0.10	-0.89	-1.62	1.16e-04	0.0	1.41e-04
2593	92	0.13	-0.05	-2.02	5.98e-05	0.0	1.20e-05
2593	98	0.10	-0.05	-1.73	4.96e-05	0.0	1.00e-05
2593	105	0.10	-0.21	-1.62	5.98e-05	0.0	3.56e-05
2593	107	0.10	-0.04	-1.66	4.72e-05	0.0	9.57e-06
2593	112	10.67	0.31	-1.61	-3.16e-04	0.0	-3.30e-04
2593	129	6.04	-6.74	0.11	9.69e-04	0.0	-1.98e-04
2593	130	-5.84	6.65	-3.43	-8.75e-04	0.0	2.17e-04
2593	144	12.01	0.35	-1.61	-3.62e-04	0.0	-3.72e-04
2593	161	6.82	-7.58	0.34	1.08e-03	0.0	-2.24e-04
2593	162	-6.63	7.50	-3.65	-9.90e-04	0.0	2.44e-04
2593	176	12.11	0.33	-1.60	-3.50e-04	0.0	-3.63e-04
2593	193	7.02	-7.51	0.32	1.07e-03	0.0	-2.21e-04
2593	194	-6.83	7.42	-3.64	-9.75e-04	0.0	2.40e-04
2593	216	14.52	0.17	-1.51	-9.98e-05	0.0	-4.51e-04
2593	225	8.41	-8.76	0.65	1.24e-03	0.0	-2.63e-04
2593	226	-8.21	8.67	-3.97	-1.14e-03	0.0	2.82e-04
2594	4	0.05	0.58	-3.06	-1.37e-04	0.0	-4.34e-05
2594	44	0.04	-1.12	-2.30	4.34e-04	0.0	2.01e-04
2594	52	0.06	-0.02	-2.89	2.79e-05	0.0	1.32e-05
2594	68	0.04	0.38	-2.16	-8.96e-05	0.0	-2.85e-05
2594	88	0.03	-0.75	-1.66	2.91e-04	0.0	1.34e-04
2594	92	0.04	-0.01	-2.05	2.01e-05	0.0	9.23e-06
2594	98	0.03	-0.01	-1.76	1.72e-05	0.0	7.48e-06
2594	105	0.03	-0.16	-1.66	7.11e-05	0.0	3.23e-05
2594	107	0.03	-9.86e-03	-1.69	1.67e-05	0.0	7.10e-06
2594	112	9.04	0.38	-1.45	1.98e-06	0.0	-3.13e-04
2594	129	5.11	-5.16	0.12	1.03e-03	0.0	-1.85e-04
2594	130	-5.05	5.14	-3.51	-9.94e-04	0.0	1.99e-04
2594	144	10.19	0.43	-1.42	0.0	0.0	-3.54e-04
2594	161	5.78	-5.80	0.35	1.15e-03	0.0	-2.10e-04
2594	162	-5.72	5.78	-3.73	-1.12e-03	0.0	2.24e-04
2594	176	10.27	0.41	-1.40	4.69e-06	0.0	-3.49e-04
2594	193	5.95	-5.75	0.34	1.15e-03	0.0	-2.10e-04
2594	194	-5.89	5.73	-3.73	-1.11e-03	0.0	2.24e-04
2594	216	12.38	0.32	-1.28	4.82e-05	0.0	-4.43e-04
2594	225	7.14	-6.70	0.69	1.34e-03	0.0	-2.51e-04
2594	226	-7.08	6.68	-4.07	-1.30e-03	0.0	2.65e-04
2595	4	0.06	0.48	-3.06	-7.53e-04	-9.56e-05	-4.44e-06
2595	43	0.04	-0.82	-2.19	-4.81e-04	-1.02e-04	-4.05e-06
2595	52	0.06	-2.69e-03	-2.90	-6.86e-04	-9.66e-05	-4.96e-06
2595	68	0.04	0.32	-2.17	-5.37e-04	-7.56e-05	-3.20e-06
2595	87	0.03	-0.55	-1.59	-3.55e-04	-7.96e-05	-2.94e-06
2595	92	0.04	-2.07e-03	-2.06	-4.92e-04	-7.62e-05	-3.55e-06
2595	98	0.03	-2.23e-03	-1.77	-4.30e-04	-7.84e-05	-3.07e-06
2595	105	0.03	-0.11	-1.66	-4.00e-04	-7.96e-05	-2.93e-06
2595	107	0.03	-2.21e-03	-1.70	-4.15e-04	-7.94e-05	-2.96e-06
2595	112	8.90	0.39	-1.47	-6.91e-04	-2.53e-05	-3.61e-04
2595	129	5.04	-4.61	0.11	2.85e-04	-1.00e-04	-2.21e-04
2595	130	-4.97	4.61	-3.51	-1.12e-03	-5.82e-05	2.15e-04
2595	144	10.03	0.44	-1.43	-7.25e-04	-1.86e-05	-4.06e-04
2595	161	5.70	-5.19	0.34	3.72e-04	-1.03e-04	-2.50e-04
2595	162	-5.63	5.18	-3.74	-1.20e-03	-5.55e-05	2.44e-04
2595	176	10.11	0.42	-1.42	-7.17e-04	-2.27e-05	-4.04e-04
2595	193	5.86	-5.14	0.33	3.61e-04	-1.04e-04	-2.53e-04
2595	194	-5.80	5.13	-3.73	-1.19e-03	-5.50e-05	2.47e-04
2595	216	12.20	0.37	-1.30	-5.34e-04	-3.66e-05	-5.12e-04
2595	225	7.03	-5.99	0.68	4.89e-04	-1.08e-04	-3.02e-04
2595	226	-6.97	5.99	-4.07	-1.32e-03	-5.09e-05	2.96e-04
2596	4	0.05	0.65	-3.05	-8.04e-05	0.0	-8.00e-05
2596	44	0.03	-1.35	-2.29	2.90e-04	0.0	3.60e-04
2596	52	0.05	-0.03	-2.88	3.81e-05	0.0	2.24e-05
2596	68	0.03	0.43	-2.16	-5.18e-05	0.0	-5.25e-05
2596	88	0.02	-0.90	-1.65	1.95e-04	0.0	2.41e-04
2596	92	0.03	-0.02	-2.05	2.71e-05	0.0	1.57e-05
2596	98	0.03	-0.02	-1.76	2.28e-05	0.0	1.30e-05
2596	105	0.02	-0.20	-1.65	5.60e-05	0.0	5.78e-05

2596	107	0.02	-0.02	-1.69	2.20e-05	0.0	1.24e-05
2596	112	9.23	0.38	-1.42	-4.08e-05	0.0	-2.81e-04
2596	129	5.21	-5.69	0.13	9.89e-04	0.0	3.21e-05
2596	130	-5.17	5.65	-3.51	-9.45e-04	0.0	-7.27e-06
2596	144	10.40	0.43	-1.38	-4.82e-05	0.0	-3.19e-04
2596	161	5.89	-6.40	0.36	1.11e-03	0.0	3.45e-05
2596	162	-5.85	6.36	-3.74	-1.07e-03	0.0	-9.60e-06
2596	176	10.48	0.41	-1.37	-4.56e-05	0.0	-3.11e-04
2596	193	6.07	-6.34	0.35	1.10e-03	0.0	3.05e-05
2596	194	-6.02	6.30	-3.73	-1.06e-03	0.0	-5.64e-06
2596	216	12.62	0.30	-1.23	-1.93e-05	0.0	-3.90e-04
2596	225	7.28	-7.40	0.71	1.28e-03	0.0	3.11e-05
2596	226	-7.23	7.36	-4.08	-1.24e-03	0.0	-6.22e-06
2597	4	0.11	0.66	-3.03	-1.99e-05	0.0	-6.16e-05
2597	44	0.09	-1.42	-2.27	1.65e-04	0.0	3.01e-04
2597	52	0.12	-0.05	-2.86	5.64e-05	0.0	2.29e-05
2597	68	0.08	0.44	-2.14	-1.11e-05	0.0	-4.02e-05
2597	88	0.06	-0.95	-1.64	1.12e-04	0.0	2.02e-04
2597	92	0.08	-0.04	-2.03	3.98e-05	0.0	1.61e-05
2597	98	0.07	-0.03	-1.75	3.31e-05	0.0	1.34e-05
2597	105	0.06	-0.22	-1.64	4.70e-05	0.0	5.03e-05
2597	107	0.06	-0.03	-1.67	3.16e-05	0.0	1.28e-05
2597	112	9.96	0.42	-1.35	-9.09e-05	0.0	-2.89e-04
2597	129	5.64	-6.19	0.16	9.51e-04	0.0	3.47e-05
2597	130	-5.51	6.13	-3.51	-8.88e-04	0.0	-9.07e-06
2597	144	11.22	0.48	-1.31	-1.06e-04	0.0	-3.27e-04
2597	161	6.37	-6.96	0.39	1.07e-03	0.0	3.73e-05
2597	162	-6.24	6.90	-3.74	-1.00e-03	0.0	-1.17e-05
2597	176	11.31	0.45	-1.30	-1.06e-04	0.0	-3.18e-04
2597	193	6.56	-6.90	0.38	1.05e-03	0.0	3.37e-05
2597	194	-6.43	6.83	-3.73	-9.89e-04	0.0	-8.09e-06
2597	216	13.59	0.34	-1.15	-1.09e-04	0.0	-3.95e-04
2597	225	7.86	-8.04	0.74	1.22e-03	0.0	3.50e-05
2597	226	-7.73	7.98	-4.09	-1.16e-03	0.0	-9.34e-06
2598	4	0.17	0.66	-3.02	2.58e-05	0.0	-5.41e-05
2598	44	0.15	-1.49	-2.26	1.13e-04	0.0	2.59e-04
2598	52	0.18	-0.09	-2.85	8.02e-05	0.0	1.85e-05
2598	68	0.12	0.44	-2.14	2.00e-05	0.0	-3.54e-05
2598	88	0.10	-1.00	-1.63	7.85e-05	0.0	1.73e-04
2598	92	0.13	-0.06	-2.03	5.63e-05	0.0	1.30e-05
2598	98	0.10	-0.05	-1.74	4.67e-05	0.0	1.09e-05
2598	105	0.10	-0.24	-1.63	5.02e-05	0.0	4.27e-05
2598	107	0.10	-0.05	-1.67	4.44e-05	0.0	1.04e-05
2598	112	10.67	0.49	-1.32	-2.79e-04	0.0	-3.29e-04
2598	126	-5.97	6.56	-3.51	-7.95e-04	0.0	2.15e-04
2598	129	6.04	-6.68	0.18	8.85e-04	0.0	-1.96e-04
2598	144	12.01	0.56	-1.27	-3.20e-04	0.0	-3.72e-04
2598	161	6.82	-7.51	0.41	9.90e-04	0.0	-2.22e-04
2598	162	-6.62	7.41	-3.74	-9.02e-04	0.0	2.43e-04
2598	176	12.11	0.53	-1.26	-3.08e-04	0.0	-3.63e-04
2598	193	7.02	-7.43	0.40	9.79e-04	0.0	-2.18e-04
2598	194	-6.83	7.33	-3.74	-8.90e-04	0.0	2.39e-04
2598	216	14.52	0.43	-1.11	-3.59e-04	0.0	-4.52e-04
2598	225	8.41	-8.66	0.76	1.13e-03	0.0	-2.60e-04
2598	226	-8.21	8.56	-4.10	-1.04e-03	0.0	2.80e-04
2599	4	0.23	0.61	-3.02	5.11e-05	0.0	-3.42e-05
2599	44	0.20	-1.41	-2.26	1.55e-04	0.0	1.62e-04
2599	52	0.24	-0.13	-2.85	1.10e-04	0.0	1.11e-05
2599	68	0.16	0.40	-2.13	3.79e-05	0.0	-2.25e-05
2599	88	0.14	-0.94	-1.63	1.07e-04	0.0	1.08e-04
2599	92	0.17	-0.09	-2.02	7.73e-05	0.0	7.75e-06
2599	98	0.14	-0.08	-1.73	6.41e-05	0.0	6.52e-06
2599	105	0.13	-0.24	-1.62	6.87e-05	0.0	2.65e-05
2599	107	0.13	-0.07	-1.66	6.09e-05	0.0	6.17e-06
2599	112	11.35	0.35	-1.61	-2.89e-04	0.0	-3.93e-04
2599	129	6.43	-7.22	0.11	9.64e-04	0.0	-2.43e-04
2599	130	-6.17	7.08	-3.43	-8.43e-04	0.0	2.56e-04
2599	144	12.78	0.40	-1.61	-3.33e-04	0.0	-4.44e-04
2599	161	7.26	-8.12	0.34	1.08e-03	0.0	-2.75e-04
2599	162	-7.00	7.98	-3.65	-9.55e-04	0.0	2.88e-04
2599	176	12.88	0.39	-1.60	-3.21e-04	0.0	-4.35e-04
2599	193	7.48	-8.04	0.32	1.06e-03	0.0	-2.74e-04
2599	194	-7.21	7.90	-3.64	-9.41e-04	0.0	2.86e-04
2599	216	15.42	0.23	-1.52	-9.81e-05	0.0	-5.47e-04
2599	225	8.95	-9.38	0.65	1.23e-03	0.0	-3.26e-04

2599	226	-8.68	9.23	-3.97	-1.10e-03	0.0	3.38e-04
2600	4	0.30	0.57	-3.02	8.15e-05	0.0	-2.27e-05
2600	44	0.26	-1.48	-2.26	1.37e-04	0.0	9.30e-05
2600	52	0.31	-0.19	-2.85	1.30e-04	0.0	3.67e-06
2600	68	0.21	0.37	-2.13	5.88e-05	0.0	-1.51e-05
2600	88	0.18	-1.00	-1.63	9.57e-05	0.0	6.20e-05
2600	92	0.22	-0.13	-2.02	9.11e-05	0.0	2.51e-06
2600	98	0.18	-0.11	-1.73	7.56e-05	0.0	2.07e-06
2600	105	0.17	-0.28	-1.62	7.50e-05	0.0	1.39e-05
2600	107	0.17	-0.11	-1.66	7.18e-05	0.0	1.91e-06
2600	112	12.03	0.39	-1.61	-2.72e-04	0.0	-4.69e-04
2600	129	6.83	-7.70	0.11	9.58e-04	0.0	-2.95e-04
2600	130	-6.48	7.49	-3.43	-8.14e-04	0.0	2.99e-04
2600	144	13.54	0.45	-1.61	-3.14e-04	0.0	-5.28e-04
2600	161	7.70	-8.65	0.34	1.07e-03	0.0	-3.33e-04
2600	162	-7.36	8.44	-3.66	-9.25e-04	0.0	3.37e-04
2600	176	13.65	0.43	-1.60	-3.03e-04	0.0	-5.20e-04
2600	193	7.93	-8.57	0.32	1.05e-03	0.0	-3.34e-04
2600	194	-7.58	8.36	-3.64	-9.11e-04	0.0	3.37e-04
2600	216	16.32	0.28	-1.52	-8.43e-05	0.0	-6.60e-04
2600	225	9.48	-9.98	0.65	1.22e-03	0.0	-3.97e-04
2600	226	-9.14	9.77	-3.97	-1.07e-03	0.0	4.01e-04
2601	4	0.33	0.52	-3.02	-5.04e-04	-8.51e-05	-2.81e-06
2601	44	0.29	-1.53	-2.26	3.53e-04	-8.25e-05	-1.29e-06
2601	52	0.34	-0.26	-2.86	-2.89e-04	-8.34e-05	-2.98e-06
2601	68	0.23	0.34	-2.14	-3.54e-04	-6.62e-05	-2.11e-06
2601	88	0.20	-1.03	-1.63	2.18e-04	-6.45e-05	-1.10e-06
2601	92	0.24	-0.18	-2.02	-2.11e-04	-6.51e-05	-2.23e-06
2601	98	0.20	-0.15	-1.73	-1.93e-04	-6.79e-05	-2.17e-06
2601	105	0.19	-0.32	-1.63	-1.05e-04	-6.79e-05	-1.93e-06
2601	107	0.19	-0.15	-1.66	-1.88e-04	-6.82e-05	-2.13e-06
2601	112	12.45	0.41	-1.62	-2.72e-04	2.94e-04	-5.40e-04
2601	129	7.06	-8.18	0.11	5.20e-04	1.23e-04	-3.42e-04
2601	130	-6.68	7.88	-3.44	-8.95e-04	-2.60e-04	3.37e-04
2601	144	14.01	0.48	-1.61	-2.82e-04	3.40e-04	-6.08e-04
2601	161	7.96	-9.18	0.33	6.08e-04	1.48e-04	-3.85e-04
2601	162	-7.59	8.89	-3.66	-9.83e-04	-2.85e-04	3.81e-04
2601	176	14.12	0.46	-1.60	-2.83e-04	3.42e-04	-6.01e-04
2601	193	8.20	-9.09	0.32	5.97e-04	1.54e-04	-3.88e-04
2601	194	-7.82	8.80	-3.64	-9.72e-04	-2.90e-04	3.84e-04
2601	216	16.86	0.32	-1.52	-2.84e-04	3.94e-04	-7.66e-04
2601	225	9.80	-10.58	0.65	7.26e-04	1.98e-04	-4.62e-04
2601	226	-9.43	10.29	-3.98	-1.10e-03	-3.35e-04	4.57e-04
2602	4	0.24	0.64	-3.02	6.66e-05	0.0	-4.44e-05
2602	44	0.20	-1.53	-2.26	7.35e-05	0.0	2.02e-04
2602	52	0.24	-0.13	-2.85	1.03e-04	0.0	1.25e-05
2602	68	0.17	0.42	-2.13	4.79e-05	0.0	-2.92e-05
2602	88	0.14	-1.03	-1.63	5.25e-05	0.0	1.35e-04
2602	92	0.17	-0.10	-2.02	7.22e-05	0.0	8.78e-06
2602	98	0.14	-0.08	-1.74	5.98e-05	0.0	7.37e-06
2602	105	0.13	-0.26	-1.63	5.46e-05	0.0	3.25e-05
2602	107	0.13	-0.08	-1.67	5.68e-05	0.0	6.98e-06
2602	112	11.35	0.57	-1.30	-2.55e-04	0.0	-3.88e-04
2602	126	-6.30	6.96	-3.51	-7.71e-04	0.0	2.50e-04
2602	129	6.43	-7.13	0.18	8.88e-04	0.0	-2.39e-04
2602	144	12.78	0.65	-1.26	-2.94e-04	0.0	-4.38e-04
2602	161	7.26	-8.02	0.42	9.92e-04	0.0	-2.70e-04
2602	162	-6.99	7.86	-3.75	-8.78e-04	0.0	2.84e-04
2602	176	12.88	0.62	-1.24	-2.82e-04	0.0	-4.29e-04
2602	193	7.47	-7.94	0.41	9.81e-04	0.0	-2.69e-04
2602	194	-7.21	7.78	-3.74	-8.67e-04	0.0	2.82e-04
2602	216	15.42	0.53	-1.09	-3.16e-04	0.0	-5.40e-04
2602	225	8.94	-9.25	0.77	1.13e-03	0.0	-3.19e-04
2602	226	-8.68	9.09	-4.10	-1.02e-03	0.0	3.33e-04
2603	4	0.31	0.59	-3.02	1.02e-04	0.0	-2.93e-05
2603	44	0.27	-1.55	-2.26	2.98e-05	0.0	1.22e-04
2603	52	0.32	-0.19	-2.85	1.21e-04	0.0	5.30e-06
2603	68	0.22	0.39	-2.14	7.21e-05	0.0	-1.95e-05
2603	88	0.19	-1.04	-1.63	2.39e-05	0.0	8.15e-05
2603	92	0.22	-0.14	-2.02	8.45e-05	0.0	3.64e-06
2603	98	0.19	-0.11	-1.74	6.99e-05	0.0	3.00e-06
2603	105	0.18	-0.29	-1.63	5.64e-05	0.0	1.85e-05
2603	107	0.18	-0.11	-1.67	6.64e-05	0.0	2.79e-06
2603	112	12.06	0.64	-1.31	-2.39e-04	0.0	-4.61e-04
2603	126	-6.63	7.35	-3.51	-7.48e-04	0.0	2.91e-04

2603	129	6.84	-7.59	0.18	8.85e-04	0.0	-2.89e-04
2603	144	13.57	0.74	-1.26	-2.77e-04	0.0	-5.19e-04
2603	161	7.72	-8.52	0.41	9.87e-04	0.0	-3.27e-04
2603	162	-7.36	8.31	-3.75	-8.54e-04	0.0	3.33e-04
2603	176	13.68	0.71	-1.25	-2.67e-04	0.0	-5.11e-04
2603	193	7.95	-8.43	0.41	9.76e-04	0.0	-3.27e-04
2603	194	-7.59	8.22	-3.74	-8.43e-04	0.0	3.33e-04
2603	216	16.35	0.64	-1.10	-2.97e-04	0.0	-6.48e-04
2603	225	9.50	-9.82	0.77	1.12e-03	0.0	-3.89e-04
2603	226	-9.14	9.60	-4.10	-9.92e-04	0.0	3.95e-04
2604	4	0.33	0.52	-3.03	-5.86e-04	-1.21e-04	-3.44e-06
2604	44	0.29	-1.53	-2.27	9.32e-04	-1.20e-04	-2.89e-06
2604	52	0.34	-0.26	-2.86	-2.18e-04	-1.20e-04	-3.99e-06
2604	68	0.23	0.34	-2.14	-4.05e-04	-9.24e-05	-2.57e-06
2604	88	0.20	-1.03	-1.64	6.07e-04	-9.17e-05	-2.20e-06
2604	92	0.24	-0.18	-2.03	-1.59e-04	-9.23e-05	-2.94e-06
2604	98	0.20	-0.15	-1.74	-1.47e-04	-9.17e-05	-2.74e-06
2604	105	0.19	-0.32	-1.64	8.10e-06	-9.16e-05	-2.56e-06
2604	107	0.19	-0.15	-1.67	-1.43e-04	-9.16e-05	-2.67e-06
2604	112	12.45	0.71	-1.33	-2.62e-04	-3.39e-05	-5.40e-04
2604	126	-6.84	7.73	-3.51	-8.98e-04	-8.11e-05	3.31e-04
2604	129	7.06	-8.04	0.17	6.14e-04	-1.07e-04	-3.42e-04
2604	144	14.01	0.82	-1.28	-2.76e-04	-2.67e-05	-6.08e-04
2604	161	7.96	-9.03	0.40	7.08e-04	-1.09e-04	-3.86e-04
2604	162	-7.59	8.73	-3.75	-9.94e-04	-7.41e-05	3.81e-04
2604	176	14.12	0.80	-1.27	-2.76e-04	-3.05e-05	-6.01e-04
2604	193	8.19	-8.93	0.40	6.96e-04	-1.09e-04	-3.89e-04
2604	194	-7.82	8.64	-3.74	-9.82e-04	-7.40e-05	3.83e-04
2604	216	16.86	0.74	-1.12	-2.86e-04	-4.65e-05	-7.67e-04
2604	225	9.80	-10.39	0.76	8.33e-04	-1.12e-04	-4.62e-04
2604	226	-9.43	10.10	-4.10	-1.12e-03	-7.12e-05	4.57e-04
2605	4	0.05	0.49	-3.41	-7.56e-04	-4.33e-05	-3.15e-06
2605	45	0.01	-0.82	-1.18	-2.06e-04	-2.93e-05	-1.34e-06
2605	52	0.05	6.19e-03	-3.24	-6.89e-04	-4.42e-05	-3.67e-06
2605	68	0.03	0.33	-2.43	-5.39e-04	-3.25e-05	-2.28e-06
2605	85	0.01	-0.54	-1.33	-2.57e-04	-2.94e-05	-1.51e-06
2605	92	0.04	4.28e-03	-2.32	-4.94e-04	-3.31e-05	-2.62e-06
2605	98	0.03	3.25e-03	-2.02	-4.32e-04	-3.09e-05	-2.26e-06
2605	103	0.03	0.11	-1.98	-4.32e-04	-3.04e-05	-2.06e-06
2605	107	0.03	3.07e-03	-1.95	-4.17e-04	-3.06e-05	-2.18e-06
2605	112	8.90	1.19	-2.66	-5.94e-04	-2.73e-04	-3.60e-04
2605	124	-0.24	4.23	-3.60	-1.06e-03	-1.93e-05	2.04e-05
2605	130	-4.97	4.29	-3.46	-1.07e-03	1.13e-04	2.16e-04
2605	144	10.03	1.33	-2.74	-6.16e-04	-3.04e-04	-4.05e-04
2605	156	-0.28	4.76	-3.80	-1.14e-03	-1.76e-05	2.36e-05
2605	162	-5.63	4.82	-3.65	-1.15e-03	1.32e-04	2.44e-04
2605	176	10.11	1.31	-2.73	-6.14e-04	-3.04e-04	-4.03e-04
2605	188	-0.33	4.69	-3.77	-1.13e-03	-1.60e-05	2.55e-05
2605	194	-5.80	4.75	-3.61	-1.14e-03	1.35e-04	2.48e-04
2605	216	12.20	1.50	-2.85	-6.45e-04	-3.74e-04	-5.11e-04
2605	220	-0.43	5.45	-4.07	-1.25e-03	-1.20e-05	3.24e-05
2605	226	-6.97	5.53	-3.88	-1.26e-03	1.68e-04	2.97e-04
2606	4	0.05	1.00	-3.41	-8.28e-04	0.0	-1.22e-05
2606	44	0.04	-2.58	-2.65	2.91e-03	0.0	2.84e-05
2606	52	0.06	-0.03	-3.25	6.77e-05	0.0	-3.37e-06
2606	68	0.04	0.66	-2.43	-5.50e-04	0.0	-8.34e-06
2606	88	0.03	-1.72	-1.93	1.94e-03	0.0	1.87e-05
2606	92	0.04	-0.02	-2.32	4.76e-05	0.0	-2.47e-06
2606	98	0.03	-0.02	-2.02	3.95e-05	0.0	-2.23e-06
2606	105	0.03	-0.36	-1.91	4.18e-04	0.0	2.02e-06
2606	107	0.03	-0.02	-1.95	3.77e-05	0.0	-2.19e-06
2606	112	9.05	1.32	-2.67	-2.53e-04	0.0	-4.35e-04
2606	124	-0.24	4.79	-3.61	-1.03e-03	0.0	2.64e-05
2606	129	5.11	-4.89	-0.44	1.12e-03	0.0	-2.67e-04
2606	144	10.20	1.49	-2.76	-2.89e-04	0.0	-4.90e-04
2606	156	-0.29	5.39	-3.81	-1.16e-03	0.0	3.05e-05
2606	161	5.78	-5.50	-0.25	1.25e-03	0.0	-3.01e-04
2606	176	10.28	1.46	-2.75	-2.85e-04	0.0	-4.87e-04
2606	188	-0.33	5.31	-3.78	-1.14e-03	0.0	3.25e-05
2606	193	5.95	-5.42	-0.29	1.24e-03	0.0	-3.05e-04
2606	216	12.38	1.68	-2.88	-3.31e-04	0.0	-6.15e-04
2606	220	-0.44	6.17	-4.08	-1.33e-03	0.0	4.10e-05
2606	225	7.14	-6.30	-0.02	1.43e-03	0.0	-3.64e-04
2607	4	0.06	1.01	-3.41	-8.28e-04	0.0	-2.54e-06
2607	44	0.05	-2.61	-2.66	2.91e-03	0.0	-3.53e-06

2607	52	0.06	-0.03	-3.25	6.79e-05	0.0	-3.33e-06
2607	68	0.04	0.67	-2.43	-5.49e-04	0.0	-1.92e-06
2607	88	0.03	-1.74	-1.93	1.94e-03	0.0	-2.58e-06
2607	92	0.04	-0.02	-2.32	4.77e-05	0.0	-2.45e-06
2607	98	0.04	-0.02	-2.02	3.95e-05	0.0	-2.21e-06
2607	105	0.03	-0.36	-1.92	4.17e-04	0.0	-2.22e-06
2607	107	0.03	-0.02	-1.95	3.77e-05	0.0	-2.17e-06
2607	112	9.05	1.46	-2.64	-2.89e-04	0.0	-4.35e-04
2607	124	-0.24	4.82	-3.59	-1.03e-03	0.0	2.69e-05
2607	127	0.30	-4.85	-0.31	1.11e-03	0.0	-3.12e-05
2607	144	10.20	1.64	-2.73	-3.29e-04	0.0	-4.90e-04
2607	156	-0.28	5.42	-3.79	-1.16e-03	0.0	3.10e-05
2607	159	0.35	-5.45	-0.11	1.24e-03	0.0	-3.53e-05
2607	176	10.28	1.62	-2.72	-3.24e-04	0.0	-4.87e-04
2607	188	-0.33	5.34	-3.76	-1.15e-03	0.0	3.31e-05
2607	191	0.40	-5.37	-0.14	1.22e-03	0.0	-3.74e-05
2607	216	12.39	1.82	-2.84	-3.77e-04	0.0	-6.15e-04
2607	220	-0.43	6.21	-4.05	-1.34e-03	0.0	4.17e-05
2607	223	0.50	-6.24	0.15	1.41e-03	0.0	-4.60e-05
2608	4	0.05	0.49	-3.41	-7.56e-04	-1.20e-05	-3.03e-06
2608	45	0.01	-0.82	-1.18	-2.06e-04	-7.09e-06	-1.74e-06
2608	52	0.05	7.29e-03	-3.25	-6.90e-04	-1.26e-05	-3.67e-06
2608	68	0.03	0.33	-2.43	-5.39e-04	-8.82e-06	-2.20e-06
2608	85	0.01	-0.54	-1.34	-2.57e-04	-7.18e-06	-1.77e-06
2608	92	0.04	5.07e-03	-2.32	-4.95e-04	-9.19e-06	-2.62e-06
2608	98	0.03	3.93e-03	-2.02	-4.32e-04	-7.92e-06	-2.26e-06
2608	103	0.03	0.11	-1.99	-4.32e-04	-7.66e-06	-2.04e-06
2608	107	0.03	3.73e-03	-1.95	-4.17e-04	-7.78e-06	-2.18e-06
2608	112	8.90	1.25	-2.64	-5.99e-04	-1.90e-04	-3.60e-04
2608	124	-0.24	4.24	-3.59	-1.06e-03	3.75e-06	2.04e-05
2608	126	-5.07	4.26	-3.45	-1.07e-03	1.02e-04	2.13e-04
2608	144	10.03	1.40	-2.73	-6.21e-04	-2.13e-04	-4.05e-04
2608	156	-0.28	4.77	-3.79	-1.14e-03	5.42e-06	2.37e-05
2608	158	-5.73	4.79	-3.64	-1.15e-03	1.16e-04	2.41e-04
2608	176	10.11	1.38	-2.72	-6.20e-04	-2.12e-04	-4.03e-04
2608	188	-0.33	4.70	-3.76	-1.13e-03	6.43e-06	2.55e-05
2608	190	-5.81	4.72	-3.61	-1.14e-03	1.16e-04	2.42e-04
2608	216	12.20	1.62	-2.84	-6.57e-04	-2.67e-04	-5.11e-04
2608	220	-0.43	5.46	-4.05	-1.25e-03	1.00e-05	3.24e-05
2608	222	-6.89	5.48	-3.87	-1.25e-03	1.39e-04	2.86e-04
2609	4	0.05	1.43	-3.41	-5.63e-04	0.0	1.18e-05
2609	44	0.04	-4.09	-2.66	2.03e-03	0.0	-4.91e-05
2609	52	0.06	-0.06	-3.25	6.89e-05	0.0	-2.86e-06
2609	68	0.04	0.95	-2.43	-3.73e-04	0.0	7.57e-06
2609	88	0.03	-2.73	-1.93	1.36e-03	0.0	-3.30e-05
2609	92	0.04	-0.05	-2.32	4.85e-05	0.0	-2.17e-06
2609	98	0.03	-0.04	-2.02	4.02e-05	0.0	-2.07e-06
2609	105	0.03	-0.57	-1.92	3.01e-04	0.0	-8.23e-06
2609	107	0.03	-0.04	-1.95	3.83e-05	0.0	-2.07e-06
2609	112	9.13	1.45	-2.71	-2.39e-04	0.0	-5.04e-04
2609	124	-0.24	5.32	-3.62	-9.51e-04	0.0	3.41e-05
2609	129	5.16	-5.47	-0.45	1.04e-03	0.0	-3.12e-04
2609	144	10.29	1.63	-2.80	-2.74e-04	0.0	-5.68e-04
2609	156	-0.29	5.99	-3.83	-1.07e-03	0.0	3.92e-05
2609	161	5.83	-6.15	-0.26	1.16e-03	0.0	-3.52e-04
2609	176	10.37	1.61	-2.79	-2.69e-04	0.0	-5.64e-04
2609	188	-0.34	5.90	-3.80	-1.06e-03	0.0	4.16e-05
2609	193	6.00	-6.06	-0.30	1.15e-03	0.0	-3.56e-04
2609	216	12.48	1.84	-2.92	-3.16e-04	0.0	-7.10e-04
2609	220	-0.44	6.87	-4.10	-1.24e-03	0.0	5.20e-05
2609	225	7.20	-7.04	-0.04	1.33e-03	0.0	-4.25e-04
2610	4	0.06	1.42	-3.41	-5.63e-04	0.0	-2.14e-06
2610	44	0.05	-4.06	-2.66	2.03e-03	0.0	-3.57e-06
2610	52	0.07	-0.06	-3.25	6.89e-05	0.0	-3.06e-06
2610	68	0.04	0.94	-2.43	-3.73e-04	0.0	-1.70e-06
2610	88	0.04	-2.71	-1.93	1.35e-03	0.0	-2.65e-06
2610	92	0.05	-0.04	-2.32	4.85e-05	0.0	-2.31e-06
2610	98	0.04	-0.04	-2.02	4.02e-05	0.0	-2.18e-06
2610	105	0.03	-0.57	-1.92	3.01e-04	0.0	-2.24e-06
2610	107	0.04	-0.04	-1.95	3.83e-05	0.0	-2.17e-06
2610	112	9.14	1.60	-2.65	-2.65e-04	0.0	-5.05e-04
2610	124	-0.24	5.35	-3.59	-9.54e-04	0.0	3.30e-05
2610	127	0.31	-5.42	-0.31	1.03e-03	0.0	-3.73e-05
2610	144	10.30	1.81	-2.73	-3.03e-04	0.0	-5.68e-04
2610	156	-0.28	6.02	-3.79	-1.08e-03	0.0	3.80e-05

2610	159	0.36	-6.09	-0.11	1.15e-03	0.0	-4.23e-05
2610	176	10.38	1.78	-2.72	-2.98e-04	0.0	-5.64e-04
2610	188	-0.33	5.93	-3.76	-1.06e-03	0.0	4.03e-05
2610	191	0.40	-6.00	-0.14	1.14e-03	0.0	-4.46e-05
2610	216	12.50	2.01	-2.84	-3.47e-04	0.0	-7.11e-04
2610	220	-0.44	6.90	-4.05	-1.24e-03	0.0	5.05e-05
2610	223	0.51	-6.97	0.15	1.32e-03	0.0	-5.48e-05
2611	4	0.11	1.63	-3.43	-1.80e-04	0.0	2.21e-06
2611	44	0.09	-4.86	-2.67	7.58e-04	0.0	-1.89e-05
2611	52	0.12	-0.10	-3.27	7.04e-05	0.0	-3.27e-06
2611	68	0.08	1.08	-2.44	-1.17e-04	0.0	1.18e-06
2611	88	0.07	-3.24	-1.94	5.08e-04	0.0	-1.29e-05
2611	92	0.08	-0.07	-2.34	4.95e-05	0.0	-2.47e-06
2611	98	0.07	-0.06	-2.03	4.10e-05	0.0	-2.34e-06
2611	105	0.06	-0.69	-1.92	1.32e-04	0.0	-4.41e-06
2611	107	0.06	-0.06	-1.96	3.91e-05	0.0	-2.33e-06
2611	112	9.84	1.57	-2.80	-2.33e-04	0.0	-5.28e-04
2611	124	-0.23	5.79	-3.66	-8.50e-04	0.0	3.59e-05
2611	129	5.56	-5.98	-0.48	9.28e-04	0.0	-3.27e-04
2611	144	11.09	1.77	-2.91	-2.67e-04	0.0	-5.95e-04
2611	156	-0.28	6.52	-3.88	-9.61e-04	0.0	4.13e-05
2611	161	6.29	-6.72	-0.29	1.04e-03	0.0	-3.69e-04
2611	176	11.17	1.74	-2.90	-2.62e-04	0.0	-5.90e-04
2611	188	-0.33	6.42	-3.84	-9.45e-04	0.0	4.36e-05
2611	193	6.47	-6.63	-0.33	1.02e-03	0.0	-3.73e-04
2611	216	13.43	2.00	-3.05	-2.89e-04	0.0	-7.45e-04
2611	220	-0.44	7.48	-4.15	-1.11e-03	0.0	5.46e-05
2611	225	7.76	-7.70	-0.07	1.18e-03	0.0	-4.44e-04
2612	4	0.11	1.63	-3.41	-1.81e-04	0.0	-2.38e-06
2612	44	0.09	-4.85	-2.66	7.60e-04	0.0	-3.60e-06
2612	52	0.12	-0.10	-3.25	7.03e-05	0.0	-3.29e-06
2612	68	0.08	1.08	-2.43	-1.18e-04	0.0	-1.88e-06
2612	88	0.07	-3.24	-1.93	5.09e-04	0.0	-2.69e-06
2612	92	0.08	-0.07	-2.32	4.94e-05	0.0	-2.48e-06
2612	98	0.07	-0.06	-2.02	4.09e-05	0.0	-2.34e-06
2612	105	0.06	-0.69	-1.92	1.32e-04	0.0	-2.38e-06
2612	107	0.06	-0.06	-1.95	3.90e-05	0.0	-2.33e-06
2612	112	9.84	1.73	-2.65	-2.33e-04	0.0	-5.28e-04
2612	124	-0.23	5.82	-3.59	-8.49e-04	0.0	3.61e-05
2612	127	0.36	-5.94	-0.31	9.27e-04	0.0	-4.08e-05
2612	144	11.09	1.96	-2.73	-2.67e-04	0.0	-5.95e-04
2612	156	-0.28	6.56	-3.79	-9.59e-04	0.0	4.15e-05
2612	159	0.40	-6.67	-0.11	1.04e-03	0.0	-4.62e-05
2612	176	11.17	1.93	-2.72	-2.62e-04	0.0	-5.90e-04
2612	188	-0.33	6.46	-3.76	-9.44e-04	0.0	4.39e-05
2612	191	0.45	-6.57	-0.14	1.02e-03	0.0	-4.85e-05
2612	216	13.43	2.18	-2.85	-3.06e-04	0.0	-7.45e-04
2612	220	-0.44	7.51	-4.05	-1.10e-03	0.0	5.48e-05
2612	223	0.56	-7.63	0.15	1.18e-03	0.0	-5.95e-05
2613	4	0.17	1.62	-3.43	2.22e-04	0.0	1.20e-06
2613	44	0.15	-4.89	-2.68	-5.76e-04	0.0	-1.69e-05
2613	52	0.18	-0.14	-3.27	7.15e-05	0.0	-3.65e-06
2613	68	0.12	1.07	-2.45	1.50e-04	0.0	0.0
2613	88	0.11	-3.27	-1.94	-3.81e-04	0.0	-1.16e-05
2613	92	0.13	-0.10	-2.34	5.03e-05	0.0	-2.73e-06
2613	98	0.10	-0.08	-2.04	4.16e-05	0.0	-2.56e-06
2613	105	0.10	-0.71	-1.93	-4.55e-05	0.0	-4.32e-06
2613	107	0.10	-0.08	-1.96	3.97e-05	0.0	-2.54e-06
2613	112	10.67	1.67	-2.85	-2.02e-04	0.0	-5.38e-04
2613	124	-0.21	6.20	-3.69	-7.48e-04	0.0	3.84e-05
2613	129	6.04	-6.44	-0.49	8.23e-04	0.0	-3.35e-04
2613	144	12.01	1.89	-2.96	-2.32e-04	0.0	-6.06e-04
2613	156	-0.26	6.99	-3.90	-8.46e-04	0.0	4.40e-05
2613	161	6.82	-7.23	-0.31	9.21e-04	0.0	-3.78e-04
2613	176	12.11	1.86	-2.95	-2.27e-04	0.0	-6.00e-04
2613	188	-0.32	6.88	-3.87	-8.32e-04	0.0	4.64e-05
2613	193	7.02	-7.13	-0.34	9.07e-04	0.0	-3.82e-04
2613	216	14.52	2.15	-3.11	-2.67e-04	0.0	-7.59e-04
2613	220	-0.44	8.02	-4.17	-9.73e-04	0.0	5.79e-05
2613	225	8.40	-8.28	-0.09	1.05e-03	0.0	-4.55e-04
2614	4	0.17	1.62	-3.41	2.21e-04	0.0	-2.79e-06
2614	44	0.15	-4.89	-2.66	-5.76e-04	0.0	-3.63e-06
2614	52	0.18	-0.14	-3.25	7.14e-05	0.0	-3.65e-06
2614	68	0.12	1.07	-2.43	1.50e-04	0.0	-2.16e-06
2614	88	0.11	-3.26	-1.93	-3.81e-04	0.0	-2.72e-06

2614	92	0.13	-0.10	-2.32	5.02e-05	0.0	-2.73e-06
2614	98	0.10	-0.08	-2.02	4.16e-05	0.0	-2.56e-06
2614	105	0.10	-0.71	-1.92	-4.55e-05	0.0	-2.55e-06
2614	107	0.10	-0.08	-1.95	3.96e-05	0.0	-2.54e-06
2614	112	10.67	1.85	-2.65	-2.01e-04	0.0	-5.38e-04
2614	124	-0.21	6.24	-3.59	-7.45e-04	0.0	3.83e-05
2614	127	0.41	-6.39	-0.31	8.25e-04	0.0	-4.34e-05
2614	144	12.02	2.09	-2.74	-2.31e-04	0.0	-6.06e-04
2614	156	-0.26	7.02	-3.79	-8.43e-04	0.0	4.40e-05
2614	159	0.46	-7.18	-0.11	9.23e-04	0.0	-4.91e-05
2614	176	12.11	2.05	-2.73	-2.27e-04	0.0	-6.00e-04
2614	188	-0.32	6.92	-3.76	-8.29e-04	0.0	4.64e-05
2614	191	0.52	-7.07	-0.14	9.09e-04	0.0	-5.14e-05
2614	216	14.52	2.37	-2.85	-2.66e-04	0.0	-7.59e-04
2614	220	-0.44	8.05	-4.06	-9.70e-04	0.0	5.78e-05
2614	223	0.64	-8.21	0.15	1.05e-03	0.0	-6.29e-05
2615	4	0.06	1.00	-3.40	-8.28e-04	0.0	7.09e-06
2615	44	0.05	-2.58	-2.65	2.91e-03	0.0	-3.55e-05
2615	52	0.06	-0.03	-3.24	6.80e-05	0.0	-3.29e-06
2615	68	0.04	0.66	-2.42	-5.50e-04	0.0	4.50e-06
2615	88	0.04	-1.72	-1.92	1.94e-03	0.0	-2.39e-05
2615	92	0.04	-0.02	-2.32	4.78e-05	0.0	-2.42e-06
2615	98	0.04	-0.02	-2.02	3.95e-05	0.0	-2.19e-06
2615	105	0.03	-0.36	-1.91	4.18e-04	0.0	-6.46e-06
2615	107	0.03	-0.02	-1.95	3.77e-05	0.0	-2.15e-06
2615	112	9.05	1.57	-2.59	-3.18e-04	0.0	-4.35e-04
2615	124	-0.24	4.84	-3.56	-1.04e-03	0.0	2.74e-05
2615	135	-5.21	-4.88	-0.34	1.12e-03	0.0	2.61e-04
2615	144	10.20	1.76	-2.68	-3.63e-04	0.0	-4.90e-04
2615	156	-0.28	5.44	-3.76	-1.17e-03	0.0	3.16e-05
2615	167	-5.89	-5.48	-0.13	1.25e-03	0.0	2.95e-04
2615	176	10.28	1.74	-2.66	-3.57e-04	0.0	-4.87e-04
2615	196	6.04	5.37	-3.73	-1.16e-03	0.0	-3.00e-04
2615	199	-5.97	-5.40	-0.16	1.23e-03	0.0	2.95e-04
2615	216	12.39	2.02	-2.78	-4.20e-04	0.0	-6.14e-04
2615	228	7.16	6.25	-4.02	-1.35e-03	0.0	-3.53e-04
2615	231	-7.09	-6.28	0.13	1.43e-03	0.0	3.49e-04
2616	4	0.04	0.49	-3.40	-7.57e-04	1.48e-05	-2.94e-06
2616	45	0.01	-0.82	-1.18	-2.06e-04	1.33e-05	-1.88e-06
2616	52	0.05	8.40e-03	-3.24	-6.90e-04	1.44e-05	-3.63e-06
2616	68	0.03	0.33	-2.43	-5.39e-04	1.17e-05	-2.14e-06
2616	85	0.01	-0.54	-1.33	-2.57e-04	1.31e-05	-1.85e-06
2616	92	0.04	5.86e-03	-2.32	-4.95e-04	1.15e-05	-2.59e-06
2616	98	0.03	4.61e-03	-2.02	-4.32e-04	1.24e-05	-2.23e-06
2616	103	0.03	0.11	-1.98	-4.33e-04	1.26e-05	-2.00e-06
2616	107	0.03	4.39e-03	-1.95	-4.18e-04	1.25e-05	-2.15e-06
2616	112	8.90	1.39	-2.61	-5.97e-04	-1.77e-04	-3.60e-04
2616	124	-0.24	4.28	-3.56	-1.06e-03	2.39e-05	2.04e-05
2616	132	5.19	4.28	-3.56	-1.06e-03	-1.01e-04	-2.19e-04
2616	144	10.03	1.56	-2.69	-6.20e-04	-2.01e-04	-4.05e-04
2616	156	-0.28	4.81	-3.76	-1.14e-03	2.56e-05	2.37e-05
2616	164	5.86	4.82	-3.76	-1.14e-03	-1.15e-04	-2.47e-04
2616	176	10.11	1.54	-2.68	-6.19e-04	-2.00e-04	-4.03e-04
2616	196	5.94	4.75	-3.73	-1.13e-03	-1.16e-04	-2.47e-04
2616	216	12.20	1.79	-2.80	-6.57e-04	-2.57e-04	-5.11e-04
2616	228	7.04	5.52	-4.02	-1.25e-03	-1.39e-04	-2.92e-04
2617	4	0.07	1.43	-3.40	-5.63e-04	0.0	-1.60e-05
2617	44	0.06	-4.09	-2.64	2.03e-03	0.0	4.19e-05
2617	52	0.07	-0.06	-3.24	6.89e-05	0.0	-3.23e-06
2617	68	0.05	0.95	-2.42	-3.73e-04	0.0	-1.10e-05
2617	88	0.04	-2.73	-1.92	1.36e-03	0.0	2.77e-05
2617	92	0.05	-0.04	-2.31	4.84e-05	0.0	-2.43e-06
2617	98	0.04	-0.04	-2.02	4.01e-05	0.0	-2.28e-06
2617	105	0.04	-0.57	-1.91	3.01e-04	0.0	3.74e-06
2617	107	0.04	-0.03	-1.94	3.82e-05	0.0	-2.27e-06
2617	112	9.14	1.73	-2.57	-2.83e-04	0.0	-5.05e-04
2617	132	5.34	5.39	-3.55	-9.59e-04	0.0	-3.11e-04
2617	135	-5.26	-5.46	-0.34	1.04e-03	0.0	3.06e-04
2617	144	10.30	1.96	-2.64	-3.24e-04	0.0	-5.69e-04
2617	164	6.02	6.06	-3.75	-1.08e-03	0.0	-3.51e-04
2617	167	-5.94	-6.13	-0.14	1.16e-03	0.0	3.46e-04
2617	176	10.38	1.93	-2.63	-3.18e-04	0.0	-5.65e-04
2617	196	6.11	5.98	-3.72	-1.07e-03	0.0	-3.51e-04
2617	199	-6.03	-6.05	-0.17	1.14e-03	0.0	3.46e-04
2617	216	12.50	2.25	-2.74	-3.75e-04	0.0	-7.12e-04

2617	228	7.23	6.95	-4.01	-1.25e-03	0.0	-4.13e-04
2617	231	-7.15	-7.02	0.12	1.32e-03	0.0	4.09e-04
2618	4	0.11	1.63	-3.39	-1.80e-04	0.0	-6.97e-06
2618	44	0.10	-4.85	-2.64	7.58e-04	0.0	1.17e-05
2618	52	0.12	-0.10	-3.23	7.02e-05	0.0	-3.30e-06
2618	68	0.08	1.08	-2.42	-1.18e-04	0.0	-4.94e-06
2618	88	0.07	-3.24	-1.92	5.08e-04	0.0	7.48e-06
2618	92	0.08	-0.07	-2.31	4.93e-05	0.0	-2.49e-06
2618	98	0.07	-0.06	-2.01	4.09e-05	0.0	-2.35e-06
2618	105	0.06	-0.69	-1.90	1.32e-04	0.0	0.0
2618	107	0.06	-0.06	-1.94	3.90e-05	0.0	-2.34e-06
2618	112	9.84	1.87	-2.50	-2.39e-04	0.0	-5.28e-04
2618	132	5.75	5.86	-3.53	-8.48e-04	0.0	-3.26e-04
2618	135	-5.63	-5.97	-0.35	9.25e-04	0.0	3.21e-04
2618	144	11.09	2.11	-2.57	-2.74e-04	0.0	-5.95e-04
2618	164	6.49	6.60	-3.73	-9.58e-04	0.0	-3.67e-04
2618	167	-6.36	-6.71	-0.15	1.04e-03	0.0	3.62e-04
2618	176	11.17	2.08	-2.55	-2.69e-04	0.0	-5.90e-04
2618	196	6.58	6.50	-3.70	-9.43e-04	0.0	-3.67e-04
2618	199	-6.45	-6.61	-0.18	1.02e-03	0.0	3.62e-04
2618	216	13.43	2.42	-2.64	-3.17e-04	0.0	-7.45e-04
2618	228	7.79	7.57	-3.98	-1.10e-03	0.0	-4.32e-04
2618	231	-7.66	-7.68	0.10	1.18e-03	0.0	4.27e-04
2619	4	0.17	1.62	-3.39	2.21e-04	0.0	-6.78e-06
2619	44	0.15	-4.89	-2.64	-5.76e-04	0.0	9.67e-06
2619	52	0.18	-0.14	-3.23	7.12e-05	0.0	-3.65e-06
2619	68	0.12	1.07	-2.42	1.50e-04	0.0	-4.82e-06
2619	88	0.11	-3.26	-1.91	-3.81e-04	0.0	6.15e-06
2619	92	0.13	-0.10	-2.31	5.00e-05	0.0	-2.73e-06
2619	98	0.10	-0.08	-2.01	4.15e-05	0.0	-2.56e-06
2619	105	0.10	-0.71	-1.90	-4.56e-05	0.0	0.0
2619	107	0.10	-0.08	-1.94	3.95e-05	0.0	-2.54e-06
2619	112	10.67	1.98	-2.33	-1.86e-04	0.0	-5.38e-04
2619	134	0.49	6.17	-3.53	-7.46e-04	0.0	-4.55e-05
2619	135	-6.05	-6.42	-0.40	8.19e-04	0.0	3.28e-04
2619	144	12.02	2.24	-2.38	-2.14e-04	0.0	-6.06e-04
2619	166	0.56	6.95	-3.72	-8.43e-04	0.0	-5.16e-05
2619	167	-6.84	-7.21	-0.20	9.16e-04	0.0	3.71e-04
2619	176	12.11	2.21	-2.39	-2.11e-04	0.0	-6.00e-04
2619	198	0.61	6.85	-3.69	-8.30e-04	0.0	-5.43e-05
2619	199	-6.94	-7.11	-0.23	9.03e-04	0.0	3.70e-04
2619	216	14.52	2.58	-2.48	-2.71e-04	0.0	-7.59e-04
2619	230	0.75	7.97	-3.98	-9.71e-04	0.0	-6.65e-05
2619	231	-8.25	-8.26	0.05	1.04e-03	0.0	4.36e-04
2620	4	0.24	1.40	-3.44	5.63e-04	0.0	0.0
2620	44	0.21	-4.25	-2.68	-1.71e-03	0.0	-1.60e-05
2620	52	0.25	-0.17	-3.27	7.23e-05	0.0	-4.06e-06
2620	68	0.17	0.93	-2.45	3.78e-04	0.0	0.0
2620	88	0.15	-2.84	-1.94	-1.14e-03	0.0	-1.09e-05
2620	92	0.17	-0.12	-2.34	5.08e-05	0.0	-3.01e-06
2620	98	0.14	-0.10	-2.04	4.21e-05	0.0	-2.79e-06
2620	105	0.13	-0.64	-1.93	-1.97e-04	0.0	-4.36e-06
2620	107	0.13	-0.10	-1.97	4.01e-05	0.0	-2.75e-06
2620	112	11.49	1.76	-2.85	-1.77e-04	0.0	-5.41e-04
2620	124	-0.20	6.55	-3.69	-6.65e-04	0.0	4.00e-05
2620	129	6.50	-6.82	-0.49	7.42e-04	0.0	-3.39e-04
2620	144	12.93	1.99	-2.96	-2.04e-04	0.0	-6.10e-04
2620	156	-0.25	7.38	-3.90	-7.53e-04	0.0	4.59e-05
2620	161	7.34	-7.66	-0.31	8.29e-04	0.0	-3.83e-04
2620	176	13.03	1.96	-2.95	-2.00e-04	0.0	-6.03e-04
2620	188	-0.31	7.27	-3.87	-7.40e-04	0.0	4.82e-05
2620	193	7.56	-7.55	-0.35	8.16e-04	0.0	-3.86e-04
2620	216	15.60	2.27	-3.11	-2.34e-04	0.0	-7.65e-04
2620	220	-0.44	8.46	-4.18	-8.67e-04	0.0	6.01e-05
2620	225	9.04	-8.77	-0.09	9.43e-04	0.0	-4.59e-04
2621	4	0.24	1.40	-3.41	5.63e-04	0.0	-3.25e-06
2621	44	0.21	-4.25	-2.66	-1.71e-03	0.0	-3.67e-06
2621	52	0.24	-0.17	-3.25	7.21e-05	0.0	-4.06e-06
2621	68	0.17	0.93	-2.43	3.78e-04	0.0	-2.47e-06
2621	88	0.15	-2.84	-1.93	-1.14e-03	0.0	-2.75e-06
2621	92	0.17	-0.12	-2.33	5.06e-05	0.0	-3.01e-06
2621	98	0.14	-0.10	-2.03	4.20e-05	0.0	-2.79e-06
2621	105	0.13	-0.64	-1.92	-1.97e-04	0.0	-2.72e-06
2621	107	0.13	-0.10	-1.95	4.00e-05	0.0	-2.75e-06
2621	112	11.49	1.94	-2.65	-1.76e-04	0.0	-5.41e-04

2621	124	-0.20	6.58	-3.59	-6.63e-04	0.0	4.00e-05
2621	127	0.47	-6.77	-0.31	7.43e-04	0.0	-4.55e-05
2621	144	12.93	2.19	-2.74	-2.03e-04	0.0	-6.10e-04
2621	156	-0.25	7.41	-3.80	-7.51e-04	0.0	4.59e-05
2621	159	0.52	-7.61	-0.11	8.31e-04	0.0	-5.14e-05
2621	176	13.03	2.16	-2.73	-1.99e-04	0.0	-6.03e-04
2621	188	-0.31	7.30	-3.77	-7.38e-04	0.0	4.82e-05
2621	191	0.58	-7.49	-0.14	8.18e-04	0.0	-5.37e-05
2621	216	15.60	2.49	-2.86	-2.34e-04	0.0	-7.65e-04
2621	220	-0.44	8.50	-4.06	-8.64e-04	0.0	6.01e-05
2621	223	0.71	-8.69	0.15	9.44e-04	0.0	-6.56e-05
2622	4	0.30	1.02	-3.43	8.08e-04	0.0	-2.15e-06
2622	44	0.27	-3.07	-2.68	-2.53e-03	0.0	-9.03e-06
2622	52	0.31	-0.21	-3.27	7.27e-05	0.0	-4.49e-06
2622	68	0.21	0.67	-2.45	5.41e-04	0.0	-1.74e-06
2622	88	0.19	-2.05	-1.94	-1.68e-03	0.0	-6.33e-06
2622	92	0.22	-0.15	-2.34	5.11e-05	0.0	-3.30e-06
2622	98	0.18	-0.12	-2.04	4.23e-05	0.0	-3.04e-06
2622	105	0.17	-0.50	-1.93	-3.05e-04	0.0	-3.61e-06
2622	107	0.17	-0.12	-1.97	4.04e-05	0.0	-2.97e-06
2622	112	12.26	1.84	-2.81	-1.60e-04	0.0	-5.42e-04
2622	124	-0.18	6.85	-3.67	-6.08e-04	0.0	4.15e-05
2622	129	6.94	-7.17	-0.48	6.85e-04	0.0	-3.41e-04
2622	144	13.80	2.08	-2.92	-1.85e-04	0.0	-6.10e-04
2622	156	-0.23	7.72	-3.88	-6.89e-04	0.0	4.76e-05
2622	161	7.83	-8.05	-0.30	7.65e-04	0.0	-3.85e-04
2622	176	13.90	2.05	-2.91	-1.81e-04	0.0	-6.03e-04
2622	188	-0.30	7.61	-3.85	-6.76e-04	0.0	4.99e-05
2622	193	8.07	-7.93	-0.34	7.53e-04	0.0	-3.88e-04
2622	216	16.62	2.37	-3.06	-2.12e-04	0.0	-7.67e-04
2622	220	-0.43	8.86	-4.15	-7.93e-04	0.0	6.21e-05
2622	225	9.65	-9.20	-0.08	8.69e-04	0.0	-4.62e-04
2623	4	0.30	1.02	-3.41	8.08e-04	0.0	-3.74e-06
2623	44	0.26	-3.07	-2.66	-2.53e-03	0.0	-3.70e-06
2623	52	0.31	-0.21	-3.25	7.25e-05	0.0	-4.49e-06
2623	68	0.21	0.67	-2.43	5.41e-04	0.0	-2.80e-06
2623	88	0.19	-2.05	-1.93	-1.68e-03	0.0	-2.78e-06
2623	92	0.22	-0.15	-2.33	5.09e-05	0.0	-3.30e-06
2623	98	0.18	-0.12	-2.03	4.22e-05	0.0	-3.03e-06
2623	105	0.17	-0.50	-1.92	-3.05e-04	0.0	-2.90e-06
2623	107	0.17	-0.12	-1.95	4.02e-05	0.0	-2.97e-06
2623	112	12.26	2.02	-2.66	-1.59e-04	0.0	-5.42e-04
2623	124	-0.18	6.88	-3.59	-6.06e-04	0.0	4.15e-05
2623	127	0.52	-7.12	-0.31	6.87e-04	0.0	-4.74e-05
2623	144	13.80	2.28	-2.75	-1.84e-04	0.0	-6.10e-04
2623	156	-0.23	7.76	-3.80	-6.87e-04	0.0	4.76e-05
2623	159	0.58	-7.99	-0.11	7.67e-04	0.0	-5.36e-05
2623	176	13.90	2.25	-2.74	-1.80e-04	0.0	-6.03e-04
2623	188	-0.30	7.64	-3.77	-6.74e-04	0.0	4.99e-05
2623	191	0.64	-7.87	-0.14	7.55e-04	0.0	-5.58e-05
2623	216	16.62	2.60	-2.86	-2.12e-04	0.0	-7.67e-04
2623	220	-0.43	8.90	-4.06	-7.91e-04	0.0	6.21e-05
2623	223	0.77	-9.13	0.15	8.71e-04	0.0	-6.80e-05
2624	4	0.33	0.53	-3.43	-9.14e-04	4.17e-05	-5.69e-06
2624	44	0.29	-1.52	-2.67	3.25e-03	3.65e-05	0.0
2624	52	0.34	-0.25	-3.27	6.77e-05	4.16e-05	-5.08e-06
2624	68	0.23	0.34	-2.45	-6.07e-04	2.95e-05	-4.11e-06
2624	88	0.21	-1.03	-1.94	2.17e-03	2.61e-05	0.0
2624	92	0.24	-0.17	-2.34	4.70e-05	2.95e-05	-3.70e-06
2624	98	0.20	-0.14	-2.04	3.71e-05	2.52e-05	-3.35e-06
2624	105	0.19	-0.31	-1.93	4.60e-04	2.41e-05	-2.56e-06
2624	107	0.19	-0.14	-1.96	3.51e-05	2.41e-05	-3.26e-06
2624	112	12.45	1.91	-2.75	-2.65e-04	2.70e-04	-5.41e-04
2624	124	-0.17	7.13	-3.64	-9.21e-04	1.38e-05	4.29e-05
2624	129	7.06	-7.49	-0.47	9.91e-04	1.60e-04	-3.43e-04
2624	144	14.02	2.17	-2.85	-3.02e-04	3.01e-04	-6.09e-04
2624	156	-0.22	8.04	-3.85	-1.04e-03	1.24e-05	4.92e-05
2624	161	7.96	-8.41	-0.28	1.11e-03	1.77e-04	-3.87e-04
2624	176	14.13	2.13	-2.84	-2.95e-04	3.01e-04	-6.02e-04
2624	188	-0.29	7.92	-3.82	-1.02e-03	1.18e-05	5.14e-05
2624	193	8.20	-8.29	-0.32	1.09e-03	1.80e-04	-3.90e-04
2624	216	16.87	2.47	-2.98	-2.92e-04	3.29e-04	-7.67e-04
2624	220	-0.42	9.23	-4.12	-1.19e-03	9.31e-06	6.39e-05
2624	225	9.80	-9.61	-0.06	1.26e-03	2.10e-04	-4.64e-04
2625	4	0.33	0.53	-3.42	-9.12e-04	5.16e-05	-3.91e-06

2625	44	0.29	-1.52	-2.66	3.32e-03	4.62e-05	-4.70e-06
2625	52	0.34	-0.25	-3.25	8.63e-05	5.15e-05	-4.90e-06
2625	68	0.23	0.35	-2.43	-6.05e-04	3.70e-05	-2.92e-06
2625	88	0.21	-1.02	-1.93	2.22e-03	3.34e-05	-3.44e-06
2625	92	0.24	-0.17	-2.33	6.04e-05	3.70e-05	-3.58e-06
2625	98	0.20	-0.14	-2.03	4.91e-05	3.24e-05	-3.25e-06
2625	105	0.19	-0.31	-1.92	4.79e-04	3.12e-05	-3.19e-06
2625	107	0.19	-0.14	-1.95	4.67e-05	3.13e-05	-3.17e-06
2625	112	12.46	2.09	-2.66	-2.43e-04	2.88e-04	-5.41e-04
2625	124	-0.17	7.17	-3.60	-8.99e-04	2.04e-05	4.30e-05
2625	127	0.54	-7.44	-0.31	9.92e-04	4.21e-05	-4.93e-05
2625	144	14.02	2.37	-2.75	-2.79e-04	3.21e-04	-6.09e-04
2625	156	-0.22	8.08	-3.80	-1.02e-03	1.90e-05	4.93e-05
2625	159	0.60	-8.35	-0.11	1.11e-03	4.36e-05	-5.57e-05
2625	176	14.13	2.33	-2.74	-2.72e-04	3.21e-04	-6.02e-04
2625	188	-0.29	7.95	-3.77	-9.98e-04	1.84e-05	5.16e-05
2625	191	0.67	-8.23	-0.14	1.09e-03	4.41e-05	-5.79e-05
2625	216	16.87	2.70	-2.87	-3.24e-04	3.52e-04	-7.67e-04
2625	220	-0.42	9.27	-4.06	-1.17e-03	1.57e-05	6.40e-05
2625	223	0.80	-9.54	0.15	1.26e-03	4.68e-05	-7.04e-05
2626	4	0.24	1.40	-3.39	5.63e-04	0.0	-6.94e-06
2626	44	0.21	-4.25	-2.64	-1.71e-03	0.0	8.63e-06
2626	52	0.24	-0.17	-3.23	7.19e-05	0.0	-4.06e-06
2626	68	0.17	0.93	-2.42	3.78e-04	0.0	-4.93e-06
2626	88	0.15	-2.84	-1.91	-1.14e-03	0.0	5.45e-06
2626	92	0.17	-0.12	-2.31	5.05e-05	0.0	-3.01e-06
2626	98	0.14	-0.10	-2.01	4.19e-05	0.0	-2.79e-06
2626	105	0.13	-0.64	-1.90	-1.97e-04	0.0	-1.08e-06
2626	107	0.13	-0.10	-1.94	3.99e-05	0.0	-2.75e-06
2626	112	11.49	2.07	-2.33	-1.63e-04	0.0	-5.41e-04
2626	134	0.56	6.51	-3.52	-6.63e-04	0.0	-4.74e-05
2626	135	-6.47	-6.80	-0.40	7.39e-04	0.0	3.31e-04
2626	144	12.93	2.34	-2.38	-1.88e-04	0.0	-6.10e-04
2626	166	0.62	7.33	-3.72	-7.51e-04	0.0	-5.36e-05
2626	167	-7.32	-7.64	-0.21	8.26e-04	0.0	3.74e-04
2626	176	13.03	2.31	-2.38	-1.85e-04	0.0	-6.03e-04
2626	198	0.69	7.23	-3.69	-7.38e-04	0.0	-5.63e-05
2626	199	-7.43	-7.53	-0.23	8.13e-04	0.0	3.73e-04
2626	216	15.60	2.70	-2.61	-2.25e-04	0.0	-7.65e-04
2626	230	0.83	8.42	-3.98	-8.65e-04	0.0	-6.89e-05
2626	231	-8.83	-8.74	0.05	9.39e-04	0.0	4.40e-04
2627	4	0.30	1.02	-3.39	8.08e-04	0.0	-5.34e-06
2627	44	0.26	-3.07	-2.64	-2.53e-03	0.0	1.62e-06
2627	52	0.31	-0.21	-3.23	7.23e-05	0.0	-4.48e-06
2627	68	0.21	0.67	-2.42	5.41e-04	0.0	-3.86e-06
2627	88	0.19	-2.05	-1.92	-1.68e-03	0.0	0.0
2627	92	0.22	-0.15	-2.31	5.08e-05	0.0	-3.30e-06
2627	98	0.18	-0.12	-2.01	4.21e-05	0.0	-3.03e-06
2627	105	0.17	-0.50	-1.90	-3.05e-04	0.0	-2.19e-06
2627	107	0.17	-0.12	-1.94	4.02e-05	0.0	-2.96e-06
2627	112	12.26	2.15	-2.52	-1.47e-04	0.0	-5.42e-04
2627	132	7.20	6.92	-3.53	-6.03e-04	0.0	-3.38e-04
2627	135	-6.86	-7.15	-0.35	6.83e-04	0.0	3.32e-04
2627	144	13.80	2.44	-2.59	-1.70e-04	0.0	-6.10e-04
2627	164	8.10	7.80	-3.73	-6.83e-04	0.0	-3.81e-04
2627	167	-7.76	-8.03	-0.15	7.63e-04	0.0	3.75e-04
2627	176	13.90	2.40	-2.57	-1.67e-04	0.0	-6.03e-04
2627	196	8.22	7.68	-3.70	-6.71e-04	0.0	-3.80e-04
2627	199	-7.88	-7.91	-0.18	7.51e-04	0.0	3.74e-04
2627	216	16.62	2.80	-2.67	-2.04e-04	0.0	-7.67e-04
2627	228	9.71	8.95	-3.99	-7.87e-04	0.0	-4.47e-04
2627	231	-9.37	-9.18	0.11	8.67e-04	0.0	4.41e-04
2628	4	0.33	0.53	-3.40	-8.61e-04	5.82e-05	-2.42e-06
2628	44	0.29	-1.52	-2.64	3.16e-03	5.27e-05	-9.04e-06
2628	52	0.34	-0.24	-3.24	9.01e-05	5.80e-05	-4.73e-06
2628	68	0.23	0.35	-2.42	-5.71e-04	4.21e-05	-1.92e-06
2628	88	0.21	-1.02	-1.92	2.11e-03	3.84e-05	-6.33e-06
2628	92	0.24	-0.17	-2.31	6.33e-05	4.20e-05	-3.45e-06
2628	98	0.20	-0.14	-2.01	5.16e-05	3.75e-05	-3.16e-06
2628	105	0.19	-0.31	-1.91	4.61e-04	3.63e-05	-3.70e-06
2628	107	0.19	-0.14	-1.94	4.92e-05	3.63e-05	-3.07e-06
2628	112	12.46	2.22	-2.57	-2.14e-04	2.90e-04	-5.41e-04
2628	124	-0.16	7.18	-3.55	-8.57e-04	2.51e-05	4.31e-05
2628	135	-6.94	-7.47	-0.34	9.47e-04	-1.10e-04	3.33e-04
2628	144	14.02	2.52	-2.65	-2.47e-04	3.22e-04	-6.09e-04

2628	156	-0.22	8.10	-3.75	-9.70e-04	2.36e-05	4.94e-05
2628	167	-7.86	-8.39	-0.14	1.06e-03	-1.29e-04	3.76e-04
2628	176	14.13	2.48	-2.64	-2.42e-04	3.23e-04	-6.02e-04
2628	196	8.36	8.00	-3.72	-9.43e-04	2.03e-04	-3.80e-04
2628	199	-7.98	-8.27	-0.17	1.04e-03	-1.30e-04	3.74e-04
2628	216	16.87	2.90	-2.75	-3.04e-04	3.53e-04	-7.67e-04
2628	228	9.87	9.32	-4.01	-1.10e-03	2.33e-04	-4.47e-04
2628	231	-9.49	-9.59	0.12	1.20e-03	-1.60e-04	4.41e-04
2629	4	0.04	0.50	-3.16	-7.60e-04	1.22e-04	-2.33e-06
2629	18	0.02	0.82	-2.94	-7.39e-04	1.23e-04	-1.69e-06
2629	52	0.04	0.02	-3.00	-6.93e-04	1.24e-04	-2.85e-06
2629	68	0.02	0.33	-2.24	-5.41e-04	9.43e-05	-1.69e-06
2629	75	0.02	0.54	-2.09	-5.28e-04	9.45e-05	-1.26e-06
2629	92	0.03	0.01	-2.13	-4.97e-04	9.53e-05	-2.04e-06
2629	98	0.02	9.92e-03	-1.83	-4.34e-04	9.39e-05	-1.74e-06
2629	103	0.02	0.12	-1.79	-4.34e-04	9.38e-05	-1.56e-06
2629	107	0.02	9.50e-03	-1.76	-4.20e-04	9.42e-05	-1.68e-06
2629	112	8.89	2.19	-2.96	-5.36e-04	2.07e-04	-3.59e-04
2629	132	5.19	4.60	-3.56	-1.06e-03	7.97e-05	-2.19e-04
2629	136	5.09	4.60	-3.55	-1.11e-03	7.24e-05	-2.21e-04
2629	144	10.02	2.46	-3.12	-5.50e-04	2.21e-04	-4.05e-04
2629	164	5.85	5.17	-3.78	-1.14e-03	7.79e-05	-2.46e-04
2629	168	5.76	5.18	-3.78	-1.20e-03	6.98e-05	-2.50e-04
2629	176	10.10	2.44	-3.11	-5.52e-04	2.20e-04	-4.03e-04
2629	200	5.93	5.13	-3.77	-1.19e-03	7.08e-05	-2.54e-04
2629	216	12.19	2.94	-3.40	-7.90e-04	2.17e-04	-5.11e-04
2629	232	7.11	5.98	-4.12	-1.32e-03	6.80e-05	-3.03e-04
2630	4	0.07	0.59	-3.16	-1.24e-04	0.0	4.70e-05
2630	47	0.05	-1.10	-1.74	4.25e-04	0.0	-1.83e-04
2630	52	0.07	-6.28e-05	-3.00	3.76e-05	0.0	-7.25e-06
2630	68	0.05	0.39	-2.24	-8.18e-05	0.0	3.11e-05
2630	87	0.04	-0.73	-1.65	2.88e-04	0.0	-1.23e-04
2630	92	0.05	1.75e-04	-2.13	2.62e-05	0.0	-5.05e-06
2630	98	0.04	4.12e-04	-1.83	2.11e-05	0.0	-4.17e-06
2630	105	0.04	-0.15	-1.72	7.34e-05	0.0	-2.77e-05
2630	106	0.03	1.28e-03	-1.32	1.30e-05	0.0	-2.62e-06
2630	107	0.04	5.36e-04	-1.76	2.00e-05	0.0	-3.95e-06
2630	112	9.06	2.48	-2.97	-5.31e-04	0.0	-3.19e-04
2630	132	5.29	5.13	-3.56	-9.95e-04	0.0	-1.96e-04
2630	136	5.19	5.14	-3.56	-9.98e-04	0.0	-1.98e-04
2630	144	10.21	2.80	-3.13	-6.00e-04	0.0	-3.59e-04
2630	164	5.97	5.77	-3.78	-1.12e-03	0.0	-2.20e-04
2630	168	5.87	5.78	-3.78	-1.13e-03	0.0	-2.23e-04
2630	176	10.28	2.77	-3.12	-5.96e-04	0.0	-3.54e-04
2630	200	6.04	5.72	-3.77	-1.12e-03	0.0	-2.23e-04
2630	216	12.39	3.35	-3.41	-7.36e-04	0.0	-4.46e-04
2630	232	7.25	6.68	-4.12	-1.31e-03	0.0	-2.65e-04
2631	4	0.07	0.57	-3.10	-9.94e-05	0.0	4.10e-05
2631	47	0.05	-1.02	-1.70	3.35e-04	0.0	-1.59e-04
2631	52	0.07	3.05e-03	-2.94	3.57e-05	0.0	-6.46e-06
2631	68	0.05	0.38	-2.20	-6.53e-05	0.0	2.72e-05
2631	87	0.04	-0.68	-1.61	2.28e-04	0.0	-1.07e-04
2631	92	0.05	2.35e-03	-2.09	2.48e-05	0.0	-4.49e-06
2631	98	0.04	2.20e-03	-1.79	2.00e-05	0.0	-3.70e-06
2631	105	0.04	-0.13	-1.68	6.05e-05	0.0	-2.42e-05
2631	106	0.03	2.42e-03	-1.28	1.23e-05	0.0	-2.28e-06
2631	107	0.04	2.23e-03	-1.72	1.89e-05	0.0	-3.50e-06
2631	112	9.06	2.60	-2.81	-5.04e-04	0.0	-3.13e-04
2631	136	5.19	5.18	-3.49	-9.81e-04	0.0	-1.94e-04
2631	144	10.21	2.93	-2.94	-5.70e-04	0.0	-3.52e-04
2631	168	5.87	5.83	-3.72	-1.11e-03	0.0	-2.19e-04
2631	176	10.28	2.90	-2.93	-5.64e-04	0.0	-3.47e-04
2631	200	6.04	5.78	-3.70	-1.10e-03	0.0	-2.19e-04
2631	216	12.39	3.51	-3.20	-6.96e-04	0.0	-4.37e-04
2631	232	7.25	6.75	-4.04	-1.28e-03	0.0	-2.60e-04
2632	4	0.03	0.50	-3.11	-7.60e-04	1.12e-04	3.51e-06
2632	18	0.02	0.82	-2.89	-7.40e-04	1.13e-04	3.61e-06
2632	52	0.04	0.02	-2.94	-6.94e-04	1.14e-04	2.92e-06
2632	68	0.02	0.33	-2.20	-5.42e-04	8.69e-05	2.48e-06
2632	75	0.02	0.55	-2.05	-5.28e-04	8.81e-05	2.54e-06
2632	92	0.03	0.01	-2.09	-4.97e-04	8.82e-05	2.08e-06
2632	98	0.02	0.01	-1.79	-4.34e-04	8.70e-05	1.83e-06
2632	103	0.02	0.12	-1.75	-4.35e-04	8.73e-05	1.89e-06
2632	107	0.02	0.01	-1.72	-4.20e-04	8.77e-05	1.76e-06
2632	112	8.89	2.32	-2.81	-5.25e-04	3.28e-04	-3.57e-04

2632	136	5.09	4.66	-3.50	-1.12e-03	5.97e-05	-2.19e-04
2632	144	10.02	2.61	-2.94	-5.38e-04	3.59e-04	-4.03e-04
2632	168	5.76	5.24	-3.72	-1.21e-03	5.64e-05	-2.47e-04
2632	176	10.10	2.59	-2.94	-5.40e-04	3.59e-04	-4.01e-04
2632	200	5.93	5.19	-3.71	-1.20e-03	5.84e-05	-2.51e-04
2632	216	12.19	3.13	-3.20	-8.09e-04	3.85e-04	-5.09e-04
2632	232	7.11	6.06	-4.04	-1.33e-03	5.56e-05	-3.01e-04
2633	4	0.10	0.65	-3.16	-6.97e-05	0.0	9.21e-05
2633	44	0.10	-1.34	-2.40	2.95e-04	0.0	-3.35e-04
2633	52	0.11	-0.02	-2.99	4.78e-05	0.0	-7.56e-06
2633	68	0.07	0.44	-2.24	-4.50e-05	0.0	6.12e-05
2633	88	0.07	-0.89	-1.73	1.98e-04	0.0	-2.23e-04
2633	92	0.08	-0.01	-2.13	3.34e-05	0.0	-5.28e-06
2633	98	0.07	-0.01	-1.83	2.72e-05	0.0	-4.42e-06
2633	105	0.06	-0.19	-1.72	5.96e-05	0.0	-4.80e-05
2633	107	0.06	-0.01	-1.75	2.57e-05	0.0	-4.19e-06
2633	112	9.28	2.76	-2.99	-4.54e-04	0.0	-2.22e-04
2633	132	5.43	5.65	-3.56	-9.43e-04	0.0	1.80e-05
2633	139	-5.20	-5.67	0.05	9.97e-04	0.0	-2.46e-05
2633	144	10.46	3.11	-3.15	-5.15e-04	0.0	-2.50e-04
2633	164	6.13	6.36	-3.79	-1.06e-03	0.0	2.08e-05
2633	171	-5.89	-6.38	0.28	1.12e-03	0.0	-2.71e-05
2633	176	10.54	3.08	-3.15	-5.09e-04	0.0	-2.43e-04
2633	200	6.20	6.31	-3.78	-1.06e-03	0.0	1.52e-05
2633	203	-6.07	-6.33	0.27	1.11e-03	0.0	-2.36e-05
2633	216	12.68	3.73	-3.44	-6.28e-04	0.0	-3.07e-04
2633	232	7.43	7.36	-4.13	-1.24e-03	0.0	1.62e-05
2633	235	-7.30	-7.38	0.62	1.29e-03	0.0	-2.46e-05
2634	4	0.10	0.61	-3.10	-5.99e-05	0.0	7.45e-05
2634	28	0.11	-0.72	-2.78	1.80e-04	0.0	-1.69e-04
2634	44	0.10	-1.19	-2.34	2.63e-04	0.0	-2.76e-04
2634	68	0.07	0.41	-2.20	-3.85e-05	0.0	4.95e-05
2634	80	0.08	-0.48	-1.98	1.22e-04	0.0	-1.13e-04
2634	88	0.07	-0.79	-1.69	1.76e-04	0.0	-1.84e-04
2634	98	0.07	-8.92e-03	-1.79	2.71e-05	0.0	-4.38e-06
2634	105	0.06	-0.16	-1.68	5.51e-05	0.0	-4.01e-05
2634	107	0.06	-8.27e-03	-1.72	2.56e-05	0.0	-4.15e-06
2634	112	9.30	2.86	-2.80	-4.45e-04	0.0	-2.19e-04
2634	136	5.34	5.69	-3.49	-9.44e-04	0.0	1.62e-05
2634	139	-5.21	-5.70	0.06	9.95e-04	0.0	-2.45e-05
2634	144	10.48	3.22	-2.94	-5.04e-04	0.0	-2.46e-04
2634	168	6.04	6.40	-3.72	-1.07e-03	0.0	1.87e-05
2634	171	-5.91	-6.42	0.28	1.12e-03	0.0	-2.70e-05
2634	176	10.56	3.19	-2.93	-4.97e-04	0.0	-2.40e-04
2634	200	6.21	6.34	-3.70	-1.05e-03	0.0	1.54e-05
2634	203	-6.09	-6.36	0.27	1.11e-03	0.0	-2.37e-05
2634	216	12.71	3.87	-3.20	-6.12e-04	0.0	-3.02e-04
2634	232	7.44	7.41	-4.04	-1.23e-03	0.0	1.67e-05
2634	235	-7.32	-7.42	0.61	1.29e-03	0.0	-2.50e-05
2635	4	0.15	0.66	-3.15	-1.33e-05	0.0	7.43e-05
2635	44	0.14	-1.41	-2.39	1.73e-04	0.0	-2.70e-04
2635	52	0.16	-0.05	-2.99	6.32e-05	0.0	-6.25e-06
2635	68	0.11	0.44	-2.23	-6.71e-06	0.0	4.93e-05
2635	88	0.10	-0.94	-1.72	1.17e-04	0.0	-1.80e-04
2635	92	0.11	-0.03	-2.12	4.43e-05	0.0	-4.39e-06
2635	98	0.09	-0.03	-1.82	3.64e-05	0.0	-3.74e-06
2635	105	0.09	-0.21	-1.71	5.03e-05	0.0	-3.88e-05
2635	107	0.09	-0.03	-1.75	3.46e-05	0.0	-3.56e-06
2635	112	9.99	2.97	-3.04	-3.60e-04	0.0	-2.93e-04
2635	132	5.86	6.12	-3.57	-8.84e-04	0.0	-1.83e-04
2635	139	-5.56	-6.18	0.07	9.54e-04	0.0	1.77e-04
2635	144	11.26	3.34	-3.21	-4.09e-04	0.0	-3.29e-04
2635	164	6.60	6.89	-3.80	-9.99e-04	0.0	-2.06e-04
2635	171	-6.31	-6.95	0.30	1.07e-03	0.0	2.00e-04
2635	176	11.34	3.31	-3.20	-4.01e-04	0.0	-3.19e-04
2635	200	6.67	6.83	-3.79	-9.87e-04	0.0	-2.03e-04
2635	203	-6.50	-6.88	0.29	1.06e-03	0.0	1.96e-04
2635	216	13.62	4.01	-3.51	-4.88e-04	0.0	-3.93e-04
2635	232	7.99	7.98	-4.15	-1.16e-03	0.0	-2.39e-04
2635	235	-7.82	-8.03	0.65	1.23e-03	0.0	2.32e-04
2636	4	0.15	0.63	-3.10	-1.77e-05	0.0	6.83e-05
2636	44	0.14	-1.30	-2.34	1.91e-04	0.0	-2.49e-04
2636	52	0.16	-0.05	-2.94	6.40e-05	0.0	-5.96e-06
2636	68	0.10	0.42	-2.19	-9.67e-06	0.0	4.53e-05
2636	88	0.10	-0.87	-1.69	1.29e-04	0.0	-1.66e-04

2636	92	0.11	-0.03	-2.09	4.48e-05	0.0	-4.18e-06
2636	98	0.09	-0.03	-1.79	3.67e-05	0.0	-3.57e-06
2636	105	0.09	-0.19	-1.68	5.29e-05	0.0	-3.59e-05
2636	107	0.09	-0.02	-1.72	3.49e-05	0.0	-3.39e-06
2636	112	9.99	3.07	-2.80	-3.77e-04	0.0	-2.90e-04
2636	136	5.74	6.17	-3.49	-9.00e-04	0.0	-1.83e-04
2636	139	-5.56	-6.21	0.06	9.70e-04	0.0	1.77e-04
2636	144	11.25	3.46	-2.93	-4.29e-04	0.0	-3.26e-04
2636	168	6.48	6.94	-3.71	-1.02e-03	0.0	-2.06e-04
2636	171	-6.31	-6.99	0.28	1.09e-03	0.0	1.99e-04
2636	176	11.34	3.42	-2.92	-4.20e-04	0.0	-3.17e-04
2636	200	6.67	6.88	-3.70	-1.00e-03	0.0	-2.02e-04
2636	203	-6.49	-6.93	0.27	1.07e-03	0.0	1.95e-04
2636	216	13.62	4.16	-3.19	-5.11e-04	0.0	-3.89e-04
2636	232	7.99	8.04	-4.04	-1.18e-03	0.0	-2.37e-04
2636	235	-7.81	-8.08	0.61	1.25e-03	0.0	2.31e-04
2637	4	0.20	0.66	-3.15	2.46e-05	0.0	6.38e-05
2637	44	0.18	-1.48	-2.39	1.15e-04	0.0	-2.30e-04
2637	52	0.21	-0.09	-2.99	7.91e-05	0.0	-4.94e-06
2637	68	0.14	0.43	-2.23	1.92e-05	0.0	4.23e-05
2637	88	0.13	-0.99	-1.72	7.94e-05	0.0	-1.54e-04
2637	92	0.14	-0.06	-2.12	5.55e-05	0.0	-3.52e-06
2637	98	0.12	-0.05	-1.82	4.59e-05	0.0	-3.10e-06
2637	105	0.11	-0.23	-1.71	4.98e-05	0.0	-3.31e-05
2637	107	0.11	-0.05	-1.75	4.38e-05	0.0	-2.97e-06
2637	112	10.69	3.12	-3.07	-1.26e-04	0.0	-3.35e-04
2637	132	6.27	6.56	-3.58	-7.92e-04	0.0	-2.11e-04
2637	139	-5.91	-6.66	0.08	8.81e-04	0.0	2.07e-04
2637	144	12.04	3.52	-3.23	-1.47e-04	0.0	-3.77e-04
2637	164	7.06	7.39	-3.81	-8.96e-04	0.0	-2.37e-04
2637	171	-6.71	-7.49	0.31	9.86e-04	0.0	2.34e-04
2637	176	12.13	3.48	-3.23	-1.50e-04	0.0	-3.67e-04
2637	200	7.14	7.33	-3.80	-8.87e-04	0.0	-2.36e-04
2637	203	-6.91	-7.42	0.30	9.74e-04	0.0	2.31e-04
2637	216	14.55	4.22	-3.55	-1.90e-04	0.0	-4.56e-04
2637	232	8.54	8.56	-4.16	-1.04e-03	0.0	-2.79e-04
2637	235	-8.32	-8.65	0.66	1.13e-03	0.0	2.73e-04
2638	4	0.20	0.63	-3.10	1.55e-05	0.0	5.91e-05
2638	44	0.18	-1.38	-2.34	1.46e-04	0.0	-2.13e-04
2638	52	0.21	-0.08	-2.94	7.95e-05	0.0	-4.73e-06
2638	68	0.14	0.42	-2.19	1.32e-05	0.0	3.92e-05
2638	88	0.13	-0.92	-1.69	1.00e-04	0.0	-1.42e-04
2638	92	0.14	-0.06	-2.09	5.58e-05	0.0	-3.37e-06
2638	98	0.12	-0.05	-1.79	4.61e-05	0.0	-2.96e-06
2638	105	0.11	-0.22	-1.68	5.41e-05	0.0	-3.07e-05
2638	107	0.11	-0.04	-1.72	4.39e-05	0.0	-2.84e-06
2638	112	10.69	3.24	-2.79	-1.06e-04	0.0	-3.35e-04
2638	136	6.14	6.62	-3.49	-8.62e-04	0.0	-2.13e-04
2638	139	-5.91	-6.71	0.06	9.50e-04	0.0	2.07e-04
2638	144	12.04	3.65	-2.93	-1.25e-04	0.0	-3.77e-04
2638	168	6.94	7.46	-3.71	-9.75e-04	0.0	-2.40e-04
2638	171	-6.71	-7.55	0.28	1.06e-03	0.0	2.34e-04
2638	176	12.13	3.62	-2.92	-1.28e-04	0.0	-3.67e-04
2638	200	7.14	7.39	-3.70	-9.61e-04	0.0	-2.37e-04
2638	203	-6.91	-7.48	0.27	1.05e-03	0.0	2.31e-04
2638	216	14.55	4.39	-3.18	-4.34e-04	0.0	-4.55e-04
2638	232	8.54	8.63	-4.03	-1.13e-03	0.0	-2.79e-04
2638	235	-8.32	-8.72	0.60	1.21e-03	0.0	2.73e-04
2639	4	0.07	0.55	-3.05	-7.80e-05	0.0	2.74e-05
2639	45	0.02	-0.96	-0.91	2.30e-04	0.0	-1.07e-04
2639	52	0.08	5.83e-03	-2.89	2.96e-05	0.0	-5.24e-06
2639	68	0.05	0.37	-2.16	-5.12e-05	0.0	1.81e-05
2639	85	0.03	-0.64	-1.06	1.57e-04	0.0	-7.21e-05
2639	92	0.05	4.28e-03	-2.05	2.05e-05	0.0	-3.64e-06
2639	98	0.04	3.78e-03	-1.75	1.63e-05	0.0	-3.02e-06
2639	104	0.03	-0.12	-1.21	3.92e-05	0.0	-1.59e-05
2639	107	0.04	3.73e-03	-1.68	1.54e-05	0.0	-2.86e-06
2639	112	9.06	2.72	-2.61	-4.78e-04	0.0	-2.97e-04
2639	136	5.19	5.22	-3.43	-9.67e-04	0.0	-1.86e-04
2639	144	10.21	3.06	-2.72	-5.40e-04	0.0	-3.34e-04
2639	168	5.87	5.88	-3.65	-1.09e-03	0.0	-2.09e-04
2639	176	10.28	3.03	-2.71	-5.32e-04	0.0	-3.29e-04
2639	200	6.04	5.83	-3.63	-1.08e-03	0.0	-2.09e-04
2639	216	12.39	3.67	-2.94	-6.52e-04	0.0	-4.14e-04
2639	232	7.25	6.81	-3.96	-1.26e-03	0.0	-2.48e-04

2640	4	0.03	0.49	-3.06	-7.60e-04	9.43e-05	1.02e-05
2640	45	0.01	-0.81	-0.91	-2.08e-04	9.26e-05	3.72e-06
2640	52	0.04	0.01	-2.90	-6.94e-04	9.68e-05	9.26e-06
2640	68	0.02	0.33	-2.16	-5.42e-04	7.50e-05	7.22e-06
2640	75	0.01	0.54	-2.02	-5.28e-04	7.83e-05	7.00e-06
2640	92	0.03	0.01	-2.05	-4.98e-04	7.68e-05	6.61e-06
2640	98	0.02	8.51e-03	-1.76	-4.35e-04	7.69e-05	5.77e-06
2640	103	0.02	0.11	-1.72	-4.35e-04	7.78e-05	5.77e-06
2640	107	0.02	8.14e-03	-1.68	-4.20e-04	7.84e-05	5.56e-06
2640	112	8.89	2.46	-2.61	-5.14e-04	4.71e-04	-3.58e-04
2640	136	5.09	4.71	-3.44	-1.13e-03	3.03e-04	-2.17e-04
2640	144	10.02	2.76	-2.73	-5.25e-04	5.20e-04	-4.04e-04
2640	168	5.76	5.30	-3.66	-1.22e-03	3.32e-04	-2.46e-04
2640	176	10.10	2.74	-2.72	-5.28e-04	5.22e-04	-4.02e-04
2640	200	5.93	5.26	-3.64	-1.21e-03	3.37e-04	-2.50e-04
2640	216	12.18	3.32	-2.95	-8.28e-04	5.80e-04	-5.12e-04
2640	232	7.11	6.14	-3.96	-1.34e-03	3.87e-04	-3.01e-04
2641	4	0.10	0.58	-3.05	-4.82e-05	0.0	4.80e-05
2641	28	0.11	-0.65	-2.72	1.55e-04	0.0	-1.09e-04
2641	44	0.10	-1.08	-2.29	2.21e-04	0.0	-1.78e-04
2641	68	0.07	0.39	-2.15	-3.07e-05	0.0	3.18e-05
2641	80	0.08	-0.43	-1.93	1.05e-04	0.0	-7.29e-05
2641	88	0.07	-0.72	-1.65	1.49e-04	0.0	-1.19e-04
2641	98	0.07	-6.68e-03	-1.75	2.66e-05	0.0	-3.02e-06
2641	105	0.06	-0.15	-1.64	4.92e-05	0.0	-2.60e-05
2641	107	0.06	-6.15e-03	-1.68	2.52e-05	0.0	-2.86e-06
2641	112	9.32	2.96	-2.60	-4.39e-04	0.0	-2.55e-04
2641	136	5.35	5.72	-3.42	-9.42e-04	0.0	-1.62e-04
2641	139	-5.22	-5.74	0.07	9.92e-04	0.0	1.57e-04
2641	144	10.50	3.33	-2.72	-4.97e-04	0.0	-2.87e-04
2641	168	6.04	6.44	-3.64	-1.06e-03	0.0	-1.82e-04
2641	171	-5.92	-6.46	0.29	1.11e-03	0.0	1.77e-04
2641	176	10.58	3.30	-2.70	-4.88e-04	0.0	-2.78e-04
2641	200	6.22	6.39	-3.62	-1.05e-03	0.0	-1.78e-04
2641	203	-6.09	-6.40	0.27	1.10e-03	0.0	1.73e-04
2641	216	12.73	4.01	-2.93	-5.98e-04	0.0	-3.40e-04
2641	232	7.45	7.46	-3.95	-1.23e-03	0.0	-2.10e-04
2641	235	-7.33	-7.47	0.60	1.28e-03	0.0	2.04e-04
2642	4	0.15	0.60	-3.04	-1.87e-05	0.0	4.87e-05
2642	44	0.14	-1.19	-2.28	1.98e-04	0.0	-1.75e-04
2642	52	0.16	-0.04	-2.88	6.50e-05	0.0	-4.02e-06
2642	68	0.10	0.40	-2.15	-1.04e-05	0.0	3.23e-05
2642	88	0.10	-0.79	-1.64	1.34e-04	0.0	-1.17e-04
2642	92	0.11	-0.03	-2.04	4.55e-05	0.0	-2.81e-06
2642	98	0.09	-0.02	-1.75	3.72e-05	0.0	-2.42e-06
2642	105	0.09	-0.18	-1.64	5.43e-05	0.0	-2.52e-05
2642	107	0.09	-0.02	-1.67	3.54e-05	0.0	-2.29e-06
2642	112	9.99	3.17	-2.60	-3.97e-04	0.0	-2.82e-04
2642	136	5.74	6.21	-3.42	-9.14e-04	0.0	-1.80e-04
2642	139	-5.56	-6.25	0.07	9.84e-04	0.0	1.75e-04
2642	144	11.25	3.57	-2.72	-4.51e-04	0.0	-3.17e-04
2642	168	6.48	6.99	-3.64	-1.03e-03	0.0	-2.02e-04
2642	171	-6.30	-7.03	0.29	1.10e-03	0.0	1.98e-04
2642	176	11.33	3.54	-2.70	-4.41e-04	0.0	-3.07e-04
2642	200	6.67	6.93	-3.62	-1.02e-03	0.0	-1.98e-04
2642	203	-6.49	-6.97	0.27	1.09e-03	0.0	1.94e-04
2642	216	13.61	4.30	-2.93	-5.37e-04	0.0	-3.75e-04
2642	232	7.99	8.09	-3.95	-1.19e-03	0.0	-2.33e-04
2642	235	-7.81	-8.14	0.60	1.26e-03	0.0	2.28e-04
2643	4	0.20	0.60	-3.04	6.08e-06	0.0	4.27e-05
2643	44	0.18	-1.28	-2.28	1.79e-04	0.0	-1.53e-04
2643	52	0.21	-0.08	-2.88	7.99e-05	0.0	-3.53e-06
2643	68	0.14	0.40	-2.15	6.83e-06	0.0	2.83e-05
2643	88	0.13	-0.86	-1.64	1.22e-04	0.0	-1.02e-04
2643	92	0.14	-0.06	-2.04	5.61e-05	0.0	-2.51e-06
2643	98	0.12	-0.05	-1.74	4.62e-05	0.0	-2.21e-06
2643	105	0.11	-0.21	-1.64	5.86e-05	0.0	-2.22e-05
2643	107	0.11	-0.04	-1.67	4.40e-05	0.0	-2.12e-06
2643	112	10.69	3.36	-2.60	-7.81e-05	0.0	-3.35e-04
2643	136	6.14	6.67	-3.42	-8.85e-04	0.0	-2.14e-04
2643	139	-5.91	-6.76	0.07	9.73e-04	0.0	2.10e-04
2643	144	12.04	3.79	-2.71	-9.33e-05	0.0	-3.77e-04
2643	168	6.94	7.52	-3.64	-1.00e-03	0.0	-2.41e-04
2643	171	-6.71	-7.61	0.29	1.09e-03	0.0	2.37e-04
2643	176	12.13	3.75	-2.70	-9.63e-05	0.0	-3.67e-04

2643	200	7.14	7.45	-3.62	-9.87e-04	0.0	-2.38e-04
2643	203	-6.91	-7.54	0.27	1.08e-03	0.0	2.34e-04
2643	216	14.55	4.56	-2.93	-4.90e-04	0.0	-4.54e-04
2643	232	8.54	8.71	-3.94	-1.16e-03	0.0	-2.81e-04
2643	235	-8.32	-8.79	0.60	1.25e-03	0.0	2.77e-04
2644	4	0.07	0.54	-3.00	-6.60e-05	7.11e-05	2.71e-06
2644	28	0.08	-0.54	-2.67	1.19e-04	7.24e-05	-1.22e-06
2644	45	0.03	-0.91	-0.86	1.67e-04	2.75e-05	-2.80e-06
2644	68	0.05	0.36	-2.12	-4.35e-05	5.00e-05	1.83e-06
2644	80	0.05	-0.36	-1.90	8.01e-05	5.09e-05	0.0
2644	85	0.03	-0.60	-1.02	1.14e-04	2.91e-05	-1.77e-06
2644	98	0.04	6.51e-03	-1.71	1.25e-05	4.22e-05	0.0
2644	103	0.04	0.12	-1.68	-8.16e-06	4.01e-05	0.0
2644	107	0.04	6.30e-03	-1.64	1.17e-05	4.03e-05	0.0
2644	112	9.06	2.82	-1.83	-4.50e-04	4.88e-04	-2.73e-04
2644	136	5.19	5.27	-3.38	-9.58e-04	2.93e-04	-1.74e-04
2644	144	10.21	3.18	-1.85	-5.08e-04	5.45e-04	-3.07e-04
2644	168	5.87	5.93	-3.60	-1.08e-03	3.26e-04	-1.96e-04
2644	176	10.29	3.15	-1.86	-4.98e-04	5.47e-04	-3.01e-04
2644	200	6.04	5.88	-3.58	-1.07e-03	3.32e-04	-1.96e-04
2644	216	12.39	3.83	-2.70	-6.02e-04	6.22e-04	-3.79e-04
2644	232	7.25	6.87	-3.90	-1.25e-03	3.90e-04	-2.32e-04
2645	4	0.03	0.49	-3.04	-7.61e-04	7.83e-05	1.03e-06
2645	45	0.01	-0.82	-0.88	-2.09e-04	2.96e-05	-3.63e-06
2645	52	0.04	8.77e-03	-2.88	-6.95e-04	7.91e-05	-1.16e-06
2645	68	0.02	0.33	-2.15	-5.42e-04	5.52e-05	0.0
2645	85	0.01	-0.54	-1.04	-2.60e-04	3.16e-05	-2.61e-06
2645	92	0.03	6.12e-03	-2.04	-4.98e-04	5.57e-05	0.0
2645	98	0.02	4.75e-03	-1.74	-4.35e-04	4.63e-05	0.0
2645	103	0.02	0.11	-1.70	-4.35e-04	4.40e-05	0.0
2645	107	0.02	4.51e-03	-1.66	-4.21e-04	4.42e-05	0.0
2645	112	8.89	2.59	-1.85	-5.02e-04	1.05e-03	-3.83e-04
2645	136	5.09	4.77	-3.40	-1.14e-03	6.22e-04	-2.33e-04
2645	144	10.02	2.91	-1.87	-5.13e-04	1.18e-03	-4.32e-04
2645	168	5.76	5.37	-3.62	-1.23e-03	6.97e-04	-2.63e-04
2645	176	10.10	2.89	-1.88	-5.16e-04	1.18e-03	-4.31e-04
2645	200	5.93	5.32	-3.60	-1.22e-03	7.13e-04	-2.68e-04
2645	216	12.18	3.51	-2.72	-8.47e-04	1.38e-03	-5.49e-04
2645	232	7.11	6.22	-3.92	-1.35e-03	8.45e-04	-3.20e-04
2646	4	0.10	0.56	-2.98	-3.98e-05	7.86e-05	4.50e-06
2646	28	0.11	-0.61	-2.65	1.39e-04	7.89e-05	0.0
2646	44	0.10	-1.00	-2.22	1.94e-04	6.92e-05	-1.25e-06
2646	68	0.07	0.38	-2.10	-2.51e-05	5.54e-05	3.14e-06
2646	80	0.08	-0.40	-1.88	9.41e-05	5.56e-05	0.0
2646	88	0.07	-0.67	-1.59	1.31e-04	4.91e-05	0.0
2646	98	0.07	-5.04e-03	-1.70	2.66e-05	4.65e-05	1.34e-06
2646	105	0.06	-0.14	-1.59	4.56e-05	4.43e-05	0.0
2646	107	0.06	-4.59e-03	-1.63	2.52e-05	4.44e-05	1.31e-06
2646	112	9.32	3.05	-1.82	-4.36e-04	8.86e-04	1.59e-04
2646	136	5.35	5.76	-3.37	-9.43e-04	5.18e-04	-1.45e-04
2646	139	-5.23	-5.77	0.11	9.94e-04	-4.29e-04	1.47e-04
2646	144	10.50	3.43	-1.84	-4.94e-04	9.94e-04	1.79e-04
2646	168	6.05	6.49	-3.59	-1.06e-03	5.80e-04	-1.63e-04
2646	171	-5.92	-6.50	0.33	1.11e-03	-4.91e-04	1.65e-04
2646	176	10.58	3.40	-1.85	-4.84e-04	9.99e-04	1.68e-04
2646	200	6.22	6.44	-3.56	-1.05e-03	5.95e-04	-1.57e-04
2646	203	-6.10	-6.45	0.31	1.10e-03	-5.06e-04	1.59e-04
2646	216	12.73	4.14	-2.68	-5.88e-04	1.16e-03	-2.61e-04
2646	232	7.46	7.52	-3.88	-1.23e-03	7.04e-04	-1.83e-04
2646	235	-7.33	-7.53	0.63	1.28e-03	-6.15e-04	1.86e-04
2647	4	0.15	0.58	-2.97	-1.78e-05	8.58e-05	2.44e-06
2647	44	0.14	-1.11	-2.21	1.98e-04	7.42e-05	-2.06e-06
2647	52	0.16	-0.04	-2.80	6.57e-05	8.63e-05	0.0
2647	68	0.10	0.38	-2.09	-9.71e-06	6.06e-05	1.68e-06
2647	88	0.10	-0.74	-1.59	1.34e-04	5.28e-05	-1.32e-06
2647	92	0.11	-0.03	-1.98	4.59e-05	6.08e-05	0.0
2647	98	0.09	-0.02	-1.69	3.76e-05	5.05e-05	0.0
2647	105	0.09	-0.16	-1.59	5.45e-05	4.80e-05	0.0
2647	107	0.09	-0.02	-1.62	3.57e-05	4.83e-05	0.0
2647	112	9.99	3.27	-1.81	-4.22e-04	1.25e-03	2.05e-04
2647	136	5.74	6.25	-3.36	-9.27e-04	7.23e-04	-1.82e-04
2647	139	-5.56	-6.29	0.12	9.98e-04	-6.27e-04	1.82e-04
2647	144	11.25	3.68	-1.83	-4.79e-04	2.31e-03	2.31e-04
2647	168	6.48	7.04	-3.58	-1.05e-03	8.12e-04	-2.04e-04
2647	171	-6.30	-7.08	0.34	1.12e-03	-7.15e-04	2.05e-04

2647	176	11.33	3.65	-1.84	-4.69e-04	1.41e-03	2.21e-04
2647	200	6.67	6.98	-3.55	-1.03e-03	8.34e-04	-2.00e-04
2647	203	-6.49	-7.02	0.31	1.11e-03	-7.37e-04	2.01e-04
2647	216	13.61	4.44	-2.68	-5.72e-04	1.65e-03	-3.52e-04
2647	232	7.99	8.16	-3.87	-1.21e-03	9.91e-04	-2.35e-04
2647	235	-7.81	-8.20	0.63	1.28e-03	-8.94e-04	2.36e-04
2648	4	0.20	0.58	-2.96	0.0	8.81e-05	0.0
2648	44	0.18	-1.21	-2.20	1.97e-04	7.60e-05	-2.85e-06
2648	52	0.21	-0.08	-2.80	7.97e-05	8.85e-05	-1.05e-06
2648	68	0.14	0.39	-2.09	3.04e-06	6.22e-05	0.0
2648	88	0.13	-0.81	-1.58	1.34e-04	5.41e-05	-1.92e-06
2648	92	0.14	-0.06	-1.98	5.59e-05	6.24e-05	0.0
2648	98	0.12	-0.05	-1.69	4.60e-05	5.19e-05	0.0
2648	105	0.11	-0.20	-1.58	6.07e-05	4.93e-05	0.0
2648	107	0.11	-0.04	-1.62	4.38e-05	4.97e-05	0.0
2648	112	10.69	3.48	-1.81	-4.07e-04	1.33e-03	-3.39e-04
2648	136	6.14	6.73	-3.35	-9.06e-04	7.65e-04	-2.22e-04
2648	139	-5.91	-6.82	0.12	9.94e-04	-6.66e-04	2.20e-04
2648	144	12.04	3.93	-1.83	-4.63e-04	1.49e-03	-3.81e-04
2648	168	6.94	7.58	-3.57	-1.03e-03	8.59e-04	-2.50e-04
2648	171	-6.71	-7.67	0.33	1.11e-03	-7.60e-04	2.49e-04
2648	176	12.13	3.88	-1.84	-4.53e-04	1.50e-03	-3.71e-04
2648	200	7.14	7.52	-3.55	-1.01e-03	8.82e-04	-2.48e-04
2648	203	-6.91	-7.60	0.31	1.10e-03	-7.83e-04	2.46e-04
2648	216	14.55	4.73	-2.67	-5.55e-04	1.75e-03	-4.56e-04
2648	232	8.54	8.79	-3.86	-1.19e-03	1.05e-03	-2.93e-04
2648	235	-8.32	-8.87	0.63	1.28e-03	-9.49e-04	2.91e-04
2649	4	0.24	0.63	-3.15	5.47e-05	0.0	4.82e-05
2649	44	0.22	-1.52	-2.39	6.77e-05	0.0	-1.79e-04
2649	52	0.25	-0.13	-2.99	9.15e-05	0.0	-5.16e-06
2649	68	0.17	0.42	-2.23	3.99e-05	0.0	3.18e-05
2649	88	0.15	-1.02	-1.72	4.85e-05	0.0	-1.20e-04
2649	92	0.18	-0.09	-2.12	6.44e-05	0.0	-3.74e-06
2649	98	0.15	-0.07	-1.82	5.35e-05	0.0	-3.38e-06
2649	105	0.14	-0.26	-1.71	4.93e-05	0.0	-2.66e-05
2649	107	0.14	-0.07	-1.75	5.11e-05	0.0	-3.28e-06
2649	112	11.36	3.24	-3.07	-1.19e-04	0.0	-3.97e-04
2649	132	6.67	6.96	-3.58	-7.69e-04	0.0	-2.50e-04
2649	139	-6.25	-7.11	0.08	8.76e-04	0.0	2.47e-04
2649	144	12.79	3.65	-3.24	-1.41e-04	0.0	-4.47e-04
2649	164	7.51	7.84	-3.81	-8.72e-04	0.0	-2.82e-04
2649	171	-7.09	-8.00	0.31	9.79e-04	0.0	2.79e-04
2649	176	12.89	3.61	-3.23	-1.44e-04	0.0	-4.37e-04
2649	200	7.58	7.78	-3.80	-8.66e-04	0.0	-2.84e-04
2649	203	-7.31	-7.92	0.31	9.68e-04	0.0	2.78e-04
2649	216	15.43	4.38	-3.55	-2.01e-04	0.0	-5.49e-04
2649	232	9.07	9.09	-4.16	-1.02e-03	0.0	-3.36e-04
2649	235	-8.80	-9.23	0.66	1.12e-03	0.0	3.30e-04
2650	4	0.24	0.61	-3.10	4.13e-05	0.0	4.42e-05
2650	44	0.22	-1.44	-2.34	1.12e-04	0.0	-1.65e-04
2650	52	0.25	-0.13	-2.94	9.13e-05	0.0	-5.04e-06
2650	68	0.17	0.41	-2.19	3.09e-05	0.0	2.91e-05
2650	88	0.15	-0.97	-1.69	7.78e-05	0.0	-1.11e-04
2650	92	0.18	-0.09	-2.08	6.42e-05	0.0	-3.65e-06
2650	98	0.15	-0.07	-1.79	5.33e-05	0.0	-3.30e-06
2650	105	0.14	-0.25	-1.68	5.51e-05	0.0	-2.46e-05
2650	107	0.14	-0.07	-1.72	5.09e-05	0.0	-3.20e-06
2650	112	11.36	3.38	-2.79	-1.06e-04	0.0	-3.98e-04
2650	136	6.53	7.04	-3.49	-7.77e-04	0.0	-2.54e-04
2650	139	-6.25	-7.18	0.06	8.78e-04	0.0	2.48e-04
2650	144	12.79	3.82	-2.93	-1.26e-04	0.0	-4.48e-04
2650	168	7.37	7.93	-3.71	-8.80e-04	0.0	-2.86e-04
2650	171	-7.09	-8.07	0.28	9.82e-04	0.0	2.80e-04
2650	176	12.89	3.77	-2.92	-1.30e-04	0.0	-4.39e-04
2650	200	7.59	7.86	-3.70	-8.69e-04	0.0	-2.85e-04
2650	203	-7.31	-7.99	0.27	9.71e-04	0.0	2.79e-04
2650	216	15.44	4.58	-3.18	-1.69e-04	0.0	-5.51e-04
2650	232	9.08	9.18	-4.03	-1.02e-03	0.0	-3.38e-04
2650	235	-8.80	-9.32	0.60	1.12e-03	0.0	3.31e-04
2651	4	0.28	0.60	-3.15	7.93e-05	0.0	2.55e-05
2651	44	0.24	-1.53	-2.39	2.01e-05	0.0	-1.08e-04
2651	52	0.29	-0.18	-2.99	9.95e-05	0.0	-6.14e-06
2651	68	0.19	0.39	-2.23	5.67e-05	0.0	1.66e-05
2651	88	0.17	-1.03	-1.72	1.72e-05	0.0	-7.23e-05
2651	92	0.20	-0.13	-2.12	7.01e-05	0.0	-4.46e-06

2651	98	0.16	-0.10	-1.82	5.84e-05	0.0	-4.03e-06
2651	105	0.16	-0.28	-1.71	4.68e-05	0.0	-1.75e-05
2651	107	0.16	-0.10	-1.75	5.58e-05	0.0	-3.92e-06
2651	112	12.04	3.34	-3.05	-1.09e-04	0.0	-4.70e-04
2651	132	7.07	7.35	-3.57	-7.48e-04	0.0	-2.96e-04
2651	139	-6.61	-7.56	0.08	8.65e-04	0.0	2.92e-04
2651	144	13.56	3.77	-3.22	-1.30e-04	0.0	-5.29e-04
2651	164	7.96	8.28	-3.80	-8.48e-04	0.0	-3.33e-04
2651	171	-7.50	-8.49	0.31	9.66e-04	0.0	3.30e-04
2651	176	13.66	3.72	-3.21	-1.32e-04	0.0	-5.21e-04
2651	200	8.04	8.21	-3.79	-8.44e-04	0.0	-3.39e-04
2651	203	-7.72	-8.41	0.30	9.55e-04	0.0	3.31e-04
2651	216	16.34	4.51	-3.53	-1.91e-04	0.0	-6.59e-04
2651	232	9.61	9.59	-4.15	-9.91e-04	0.0	-4.03e-04
2651	235	-9.30	-9.79	0.66	1.10e-03	0.0	3.95e-04
2652	4	0.28	0.59	-3.10	6.21e-05	0.0	2.26e-05
2652	44	0.25	-1.49	-2.34	7.66e-05	0.0	-9.77e-05
2652	52	0.29	-0.18	-2.94	9.92e-05	0.0	-6.05e-06
2652	68	0.20	0.38	-2.19	4.52e-05	0.0	1.47e-05
2652	88	0.18	-1.00	-1.69	5.48e-05	0.0	-6.55e-05
2652	92	0.20	-0.12	-2.08	6.99e-05	0.0	-4.39e-06
2652	98	0.17	-0.10	-1.79	5.83e-05	0.0	-3.97e-06
2652	105	0.16	-0.27	-1.68	5.42e-05	0.0	-1.61e-05
2652	107	0.16	-0.10	-1.72	5.57e-05	0.0	-3.85e-06
2652	112	12.03	3.51	-2.79	-1.01e-04	0.0	-4.72e-04
2652	136	6.92	7.44	-3.49	-7.56e-04	0.0	-3.01e-04
2652	139	-6.60	-7.64	0.06	8.67e-04	0.0	2.94e-04
2652	144	13.55	3.96	-2.93	-1.20e-04	0.0	-5.32e-04
2652	168	7.80	8.39	-3.71	-8.57e-04	0.0	-3.40e-04
2652	171	-7.49	-8.58	0.28	9.68e-04	0.0	3.32e-04
2652	176	13.65	3.92	-2.92	-1.24e-04	0.0	-5.23e-04
2652	200	8.03	8.31	-3.70	-8.47e-04	0.0	-3.41e-04
2652	203	-7.71	-8.50	0.27	9.58e-04	0.0	3.33e-04
2652	216	16.32	4.76	-3.18	-1.67e-04	0.0	-6.63e-04
2652	232	9.61	9.71	-4.03	-9.94e-04	0.0	-4.05e-04
2652	235	-9.29	-9.90	0.60	1.11e-03	0.0	3.97e-04
2653	4	0.33	0.54	-3.15	-1.82e-04	1.28e-04	-5.22e-06
2653	44	0.29	-1.51	-2.39	8.68e-04	1.27e-04	-5.86e-06
2653	52	0.34	-0.23	-2.99	8.16e-05	1.29e-04	-6.42e-06
2653	68	0.23	0.35	-2.23	-1.18e-04	9.43e-05	-3.84e-06
2653	88	0.21	-1.01	-1.73	5.82e-04	9.37e-05	-4.27e-06
2653	92	0.24	-0.16	-2.12	5.76e-05	9.54e-05	-4.64e-06
2653	98	0.20	-0.13	-1.82	4.75e-05	8.75e-05	-4.12e-06
2653	105	0.19	-0.30	-1.71	1.52e-04	8.65e-05	-4.00e-06
2653	107	0.19	-0.13	-1.75	4.55e-05	8.59e-05	-4.00e-06
2653	112	12.45	3.43	-3.03	-7.44e-05	6.47e-04	-5.42e-04
2653	132	7.32	7.73	-3.57	-5.48e-04	4.09e-04	-3.39e-04
2653	139	-6.78	-7.99	0.07	6.79e-04	-2.25e-04	3.37e-04
2653	144	14.02	3.88	-3.19	-8.93e-05	7.19e-04	-6.10e-04
2653	164	8.24	8.71	-3.80	-6.22e-04	4.51e-04	-3.82e-04
2653	171	-7.70	-8.98	0.30	7.58e-04	-2.65e-04	3.81e-04
2653	176	14.13	3.83	-3.18	-8.97e-05	7.22e-04	-6.02e-04
2653	200	8.31	8.63	-3.79	-6.57e-04	4.47e-04	-3.92e-04
2653	203	-7.94	-8.89	0.29	7.48e-04	-2.75e-04	3.84e-04
2653	216	16.87	4.64	-3.49	-2.84e-04	8.20e-04	-7.68e-04
2653	232	9.94	10.09	-4.14	-7.72e-04	5.19e-04	-4.66e-04
2653	235	-9.56	-10.34	0.64	8.63e-04	-3.47e-04	4.58e-04
2654	4	0.33	0.54	-3.10	-1.11e-04	1.42e-04	-4.41e-06
2654	44	0.29	-1.51	-2.35	5.89e-04	1.40e-04	-7.90e-06
2654	52	0.34	-0.23	-2.94	7.22e-05	1.43e-04	-6.30e-06
2654	68	0.23	0.36	-2.19	-7.12e-05	1.05e-04	-3.29e-06
2654	88	0.21	-1.01	-1.69	3.95e-04	1.04e-04	-5.62e-06
2654	92	0.24	-0.16	-2.09	5.08e-05	1.06e-04	-4.55e-06
2654	98	0.20	-0.13	-1.79	4.15e-05	9.85e-05	-4.03e-06
2654	105	0.19	-0.30	-1.68	1.10e-04	9.75e-05	-4.19e-06
2654	107	0.19	-0.13	-1.72	3.96e-05	9.71e-05	-3.90e-06
2654	112	12.45	3.64	-2.79	-5.76e-05	6.43e-04	-5.41e-04
2654	136	7.16	7.83	-3.49	-5.56e-04	3.99e-04	-3.45e-04
2654	139	-6.78	-8.08	0.05	6.35e-04	-2.05e-04	3.37e-04
2654	144	14.02	4.11	-2.92	-6.97e-05	7.12e-04	-6.09e-04
2654	168	8.08	8.83	-3.71	-6.31e-04	4.38e-04	-3.89e-04
2654	171	-7.70	-9.08	0.28	7.10e-04	-2.44e-04	3.81e-04
2654	176	14.13	4.06	-2.91	-7.06e-05	7.15e-04	-6.02e-04
2654	200	8.31	8.74	-3.70	-6.21e-04	4.48e-04	-3.92e-04
2654	203	-7.94	-8.99	0.26	7.00e-04	-2.54e-04	3.84e-04

2654	216	16.87	4.93	-3.18	-2.89e-04	8.09e-04	-7.67e-04
2654	232	9.94	10.22	-4.03	-7.30e-04	5.17e-04	-4.66e-04
2654	235	-9.56	-10.47	0.60	8.09e-04	-3.23e-04	4.58e-04
2655	4	0.24	0.59	-3.04	2.55e-05	0.0	3.18e-05
2655	44	0.22	-1.37	-2.28	1.63e-04	0.0	-1.21e-04
2655	52	0.25	-0.13	-2.88	9.09e-05	0.0	-4.30e-06
2655	68	0.17	0.39	-2.15	2.03e-05	0.0	2.10e-05
2655	88	0.15	-0.92	-1.64	1.12e-04	0.0	-8.08e-05
2655	92	0.18	-0.09	-2.04	6.39e-05	0.0	-3.11e-06
2655	98	0.15	-0.07	-1.74	5.30e-05	0.0	-2.80e-06
2655	105	0.14	-0.24	-1.64	6.16e-05	0.0	-1.83e-05
2655	107	0.14	-0.07	-1.67	5.06e-05	0.0	-2.71e-06
2655	112	11.36	3.53	-2.59	-7.56e-05	0.0	-4.04e-04
2655	136	6.53	7.11	-3.41	-8.57e-04	0.0	-2.58e-04
2655	139	-6.25	-7.24	0.07	9.58e-04	0.0	2.53e-04
2655	144	12.79	3.98	-2.71	-9.13e-05	0.0	-4.55e-04
2655	168	7.37	8.01	-3.63	-9.70e-04	0.0	-2.91e-04
2655	171	-7.09	-8.14	0.29	1.07e-03	0.0	2.86e-04
2655	176	12.89	3.94	-2.70	-9.46e-05	0.0	-4.46e-04
2655	200	7.59	7.93	-3.61	-9.56e-04	0.0	-2.90e-04
2655	203	-7.31	-8.07	0.27	1.06e-03	0.0	2.85e-04
2655	216	15.44	4.79	-2.92	-4.59e-04	0.0	-5.60e-04
2655	232	9.08	9.27	-3.94	-1.12e-03	0.0	-3.44e-04
2655	235	-8.80	-9.41	0.60	1.22e-03	0.0	3.39e-04
2656	4	0.28	0.58	-3.04	4.14e-05	0.0	1.56e-05
2656	44	0.25	-1.45	-2.28	1.44e-04	0.0	-7.26e-05
2656	52	0.29	-0.17	-2.87	9.87e-05	0.0	-5.71e-06
2656	68	0.20	0.38	-2.15	3.14e-05	0.0	1.01e-05
2656	88	0.18	-0.97	-1.64	9.98e-05	0.0	-4.88e-05
2656	92	0.21	-0.12	-2.04	6.96e-05	0.0	-4.13e-06
2656	98	0.17	-0.10	-1.74	5.80e-05	0.0	-3.71e-06
2656	105	0.16	-0.27	-1.63	6.30e-05	0.0	-1.26e-05
2656	107	0.16	-0.09	-1.67	5.54e-05	0.0	-3.60e-06
2656	112	12.03	3.69	-2.59	-6.81e-05	0.0	-4.84e-04
2656	136	6.91	7.52	-3.41	-8.30e-04	0.0	-3.08e-04
2656	139	-6.59	-7.71	0.07	9.41e-04	0.0	3.01e-04
2656	144	13.54	4.16	-2.71	-8.35e-05	0.0	-5.45e-04
2656	168	7.80	8.48	-3.63	-9.41e-04	0.0	-3.47e-04
2656	171	-7.48	-8.67	0.29	1.05e-03	0.0	3.40e-04
2656	176	13.64	4.11	-2.69	-8.67e-05	0.0	-5.38e-04
2656	200	8.03	8.40	-3.61	-9.28e-04	0.0	-3.49e-04
2656	203	-7.70	-8.59	0.27	1.04e-03	0.0	3.42e-04
2656	216	16.31	5.01	-2.92	-4.42e-04	0.0	-6.81e-04
2656	232	9.60	9.82	-3.93	-1.09e-03	0.0	-4.15e-04
2656	235	-9.28	-10.01	0.59	1.20e-03	0.0	4.08e-04
2657	4	0.33	0.55	-3.03	-9.99e-05	1.51e-04	-2.86e-06
2657	44	0.29	-1.50	-2.28	3.18e-04	1.50e-04	-7.34e-06
2657	52	0.34	-0.23	-2.87	1.74e-05	1.52e-04	-5.01e-06
2657	68	0.23	0.36	-2.14	-6.70e-05	1.13e-04	-2.18e-06
2657	88	0.21	-1.01	-1.64	2.12e-04	1.12e-04	-5.17e-06
2657	92	0.24	-0.16	-2.04	1.12e-05	1.14e-04	-3.61e-06
2657	98	0.20	-0.13	-1.74	6.04e-06	1.06e-04	-3.16e-06
2657	105	0.19	-0.30	-1.63	4.58e-05	1.06e-04	-3.43e-06
2657	107	0.19	-0.12	-1.67	5.21e-06	1.05e-04	-3.06e-06
2657	112	12.45	3.84	-2.59	-7.09e-05	6.34e-04	-5.39e-04
2657	136	7.16	7.93	-3.41	-5.58e-04	3.98e-04	-3.43e-04
2657	139	-6.79	-8.18	0.07	5.69e-04	-1.87e-04	3.37e-04
2657	144	14.02	4.34	-2.70	-8.03e-05	7.02e-04	-6.07e-04
2657	168	8.08	8.94	-3.62	-6.29e-04	4.36e-04	-3.87e-04
2657	171	-7.70	-9.19	0.29	6.39e-04	-2.26e-04	3.81e-04
2657	176	14.13	4.28	-2.69	-8.15e-05	7.05e-04	-5.99e-04
2657	200	8.31	8.85	-3.61	-6.20e-04	4.45e-04	-3.90e-04
2657	203	-7.94	-9.10	0.27	6.30e-04	-2.35e-04	3.83e-04
2657	216	16.87	5.22	-2.91	-3.23e-04	7.95e-04	-7.65e-04
2657	232	9.94	10.35	-3.93	-7.23e-04	5.13e-04	-4.64e-04
2657	235	-9.56	-10.60	0.59	7.34e-04	-3.02e-04	4.57e-04
2658	4	0.24	0.58	-2.96	1.46e-05	8.84e-05	0.0
2658	44	0.22	-1.31	-2.20	1.94e-04	7.69e-05	-3.73e-06
2658	52	0.25	-0.12	-2.79	8.99e-05	8.89e-05	-2.60e-06
2658	68	0.17	0.38	-2.09	1.29e-05	6.25e-05	0.0
2658	88	0.15	-0.88	-1.58	1.33e-04	5.48e-05	-2.59e-06
2658	92	0.18	-0.09	-1.98	6.31e-05	6.28e-05	-1.84e-06
2658	98	0.15	-0.07	-1.69	5.23e-05	5.22e-05	-1.59e-06
2658	105	0.14	-0.23	-1.58	6.52e-05	4.97e-05	-1.71e-06
2658	107	0.14	-0.07	-1.62	4.98e-05	5.00e-05	-1.51e-06

2658	112	11.36	3.68	-1.80	-3.90e-04	1.30e-03	-4.18e-04
2658	136	6.53	7.18	-3.35	-8.81e-04	7.48e-04	-2.68e-04
2658	139	-6.25	-7.31	0.11	9.80e-04	-6.48e-04	2.65e-04
2658	144	12.80	4.15	-1.83	-4.46e-04	1.46e-03	-4.71e-04
2658	168	7.37	8.09	-3.56	-9.97e-04	8.39e-04	-3.02e-04
2658	171	-7.09	-8.22	0.33	1.10e-03	-7.39e-04	2.99e-04
2658	176	12.89	4.10	-1.84	-4.36e-04	1.47e-03	-4.62e-04
2658	200	7.59	8.02	-3.54	-9.85e-04	8.62e-04	-3.02e-04
2658	203	-7.31	-8.15	0.30	1.08e-03	-7.62e-04	2.99e-04
2658	216	15.44	5.00	-2.66	-5.36e-04	1.71e-03	-5.79e-04
2658	232	9.08	9.37	-3.85	-1.16e-03	1.02e-03	-3.58e-04
2658	235	-8.80	-9.50	0.62	1.26e-03	-9.24e-04	3.55e-04
2659	4	0.29	0.57	-2.96	2.56e-05	8.66e-05	-2.78e-06
2659	44	0.26	-1.41	-2.20	1.94e-04	7.71e-05	-4.59e-06
2659	52	0.30	-0.17	-2.80	9.80e-05	8.75e-05	-4.30e-06
2659	68	0.20	0.37	-2.09	2.08e-05	6.12e-05	-2.05e-06
2659	88	0.18	-0.94	-1.58	1.33e-04	5.49e-05	-3.26e-06
2659	92	0.21	-0.12	-1.98	6.91e-05	6.18e-05	-3.07e-06
2659	98	0.17	-0.10	-1.69	5.76e-05	5.15e-05	-2.63e-06
2659	105	0.16	-0.26	-1.58	6.94e-05	4.92e-05	-2.63e-06
2659	107	0.16	-0.09	-1.62	5.50e-05	4.93e-05	-2.53e-06
2659	112	12.02	3.87	-1.81	-3.73e-04	1.10e-03	-5.18e-04
2659	136	6.91	7.61	-3.34	-8.52e-04	6.37e-04	-3.26e-04
2659	139	-6.58	-7.79	0.10	9.62e-04	-5.39e-04	3.21e-04
2659	144	13.54	4.36	-1.83	-4.27e-04	1.24e-03	-5.84e-04
2659	168	7.80	8.57	-3.56	-9.66e-04	7.15e-04	-3.68e-04
2659	171	-7.47	-8.76	0.32	1.08e-03	-6.16e-04	3.63e-04
2659	176	13.64	4.31	-1.84	-4.17e-04	1.24e-03	-5.77e-04
2659	200	8.03	8.50	-3.53	-9.54e-04	7.33e-04	-3.71e-04
2659	203	-7.70	-8.68	0.29	1.06e-03	-6.35e-04	3.66e-04
2659	216	16.31	5.26	-2.66	-5.15e-04	1.44e-03	-7.32e-04
2659	232	9.60	9.94	-3.85	-1.12e-03	8.70e-04	-4.42e-04
2659	235	-9.27	-10.12	0.61	1.23e-03	-7.71e-04	4.37e-04
2660	4	0.33	0.55	-2.97	-4.43e-04	1.55e-04	-4.26e-06
2660	44	0.29	-1.50	-2.22	-2.46e-04	7.88e-05	-7.71e-06
2660	52	0.34	-0.22	-2.81	-3.83e-04	1.40e-04	-6.24e-06
2660	68	0.23	0.36	-2.10	-3.18e-04	1.12e-04	-3.16e-06
2660	88	0.21	-1.01	-1.59	-1.87e-04	6.11e-05	-5.46e-06
2660	92	0.24	-0.16	-1.99	-2.78e-04	1.02e-04	-4.48e-06
2660	98	0.20	-0.13	-1.69	-2.52e-04	9.05e-05	-3.88e-06
2660	105	0.19	-0.30	-1.59	-2.31e-04	8.15e-05	-4.03e-06
2660	107	0.19	-0.12	-1.62	-2.45e-04	8.84e-05	-3.76e-06
2660	112	12.45	4.04	-1.81	-3.22e-04	7.71e-04	-5.32e-04
2660	136	7.16	8.02	-3.33	-8.90e-04	4.66e-04	-3.39e-04
2660	139	-6.79	-8.27	0.09	4.01e-04	-2.89e-04	3.31e-04
2660	144	14.02	4.57	-1.83	-3.32e-04	8.58e-04	-5.98e-04
2660	168	8.08	9.04	-3.55	-9.71e-04	5.15e-04	-3.82e-04
2660	171	-7.70	-9.29	0.30	4.82e-04	-3.38e-04	3.74e-04
2660	176	14.13	4.51	-1.84	-3.35e-04	8.62e-04	-5.91e-04
2660	200	8.32	8.96	-3.52	-9.61e-04	5.28e-04	-3.85e-04
2660	203	-7.94	-9.21	0.28	4.72e-04	-3.51e-04	3.77e-04
2660	216	16.87	5.51	-2.66	-6.24e-04	9.95e-04	-7.60e-04
2660	232	9.94	10.48	-3.84	-1.08e-03	6.16e-04	-4.58e-04
2660	235	-9.56	-10.73	0.59	5.90e-04	-4.39e-04	4.50e-04
2661	4	0.07	0.56	-2.99	-8.60e-05	0.0	-3.19e-05
2661	28	0.08	-0.59	-2.66	1.93e-04	0.0	8.65e-05
2661	45	0.03	-0.99	-0.89	2.75e-04	0.0	1.35e-04
2661	68	0.05	0.37	-2.11	-5.63e-05	0.0	-2.11e-05
2661	80	0.05	-0.39	-1.89	1.30e-04	0.0	5.78e-05
2661	85	0.03	-0.66	-1.04	1.88e-04	0.0	9.11e-05
2661	98	0.04	2.91e-03	-1.72	1.95e-05	0.0	3.59e-06
2661	104	0.03	-0.13	-1.19	4.74e-05	0.0	2.00e-05
2661	107	0.04	2.89e-03	-1.65	1.85e-05	0.0	3.40e-06
2661	112	9.06	2.99	-1.88	-9.54e-05	0.0	-3.14e-04
2661	134	0.39	4.43	-3.42	-9.91e-04	0.0	-2.65e-05
2661	136	5.20	5.35	-3.27	-8.88e-04	0.0	-1.99e-04
2661	144	10.21	3.37	-1.90	-1.10e-04	0.0	-3.55e-04
2661	166	0.44	4.98	-3.64	-1.12e-03	0.0	-3.06e-05
2661	168	5.87	6.02	-3.47	-1.00e-03	0.0	-2.25e-04
2661	176	10.29	3.34	-1.92	-1.17e-04	0.0	-3.50e-04
2661	198	0.49	4.93	-3.61	-1.10e-03	0.0	-3.21e-05
2661	200	6.05	5.98	-3.45	-9.91e-04	0.0	-2.26e-04
2661	216	12.40	4.07	-2.06	-1.45e-04	0.0	-4.42e-04
2661	230	0.61	5.74	-3.92	-1.28e-03	0.0	-4.02e-05
2661	232	7.25	6.99	-3.75	-1.16e-03	0.0	-2.70e-04

2662	4	0.03	0.50	-3.00	-7.39e-04	3.53e-05	-2.43e-06
2662	18	0.02	0.81	-2.79	-7.21e-04	1.32e-05	1.44e-06
2662	28	0.04	-0.47	-2.67	-6.06e-04	3.87e-05	-1.25e-05
2662	68	0.02	0.33	-2.12	-5.27e-04	1.67e-05	-2.03e-06
2662	75	0.01	0.54	-1.98	-5.15e-04	1.95e-06	0.0
2662	80	0.03	-0.31	-1.90	-4.38e-04	1.89e-05	-8.73e-06
2662	98	0.02	0.01	-1.72	-4.22e-04	1.29e-06	-4.74e-06
2662	103	0.02	0.12	-1.69	-4.22e-04	-3.76e-06	-3.52e-06
2662	107	0.02	0.01	-1.65	-4.08e-04	-3.32e-06	-4.60e-06
2662	112	8.89	2.79	-1.88	-4.79e-04	3.38e-04	-3.62e-04
2662	134	0.36	3.95	-3.42	-1.13e-03	2.11e-05	-2.62e-05
2662	136	5.09	4.83	-3.28	-1.13e-03	1.94e-04	-2.22e-04
2662	144	10.02	3.14	-1.91	-4.88e-04	3.81e-04	-4.07e-04
2662	166	0.41	4.44	-3.64	-1.22e-03	2.43e-05	-2.92e-05
2662	168	5.76	5.44	-3.48	-1.23e-03	2.20e-04	-2.51e-04
2662	176	10.10	3.11	-1.92	-4.92e-04	3.82e-04	-4.05e-04
2662	198	0.46	4.39	-3.61	-1.21e-03	2.46e-05	-3.00e-05
2662	200	5.93	5.40	-3.46	-1.21e-03	2.23e-04	-2.54e-04
2662	216	12.19	3.80	-2.06	-8.51e-04	4.26e-04	-5.17e-04
2662	230	0.58	5.12	-3.93	-1.34e-03	2.97e-05	-3.59e-05
2662	232	7.11	6.32	-3.76	-1.35e-03	2.67e-04	-3.02e-04
2663	4	0.10	0.60	-2.99	-5.43e-05	0.0	-5.86e-05
2663	28	0.11	-0.69	-2.66	1.68e-04	0.0	1.44e-04
2663	44	0.10	-1.13	-2.23	2.42e-04	0.0	2.34e-04
2663	68	0.07	0.40	-2.11	-3.47e-05	0.0	-3.87e-05
2663	80	0.08	-0.46	-1.89	1.13e-04	0.0	9.63e-05
2663	88	0.07	-0.75	-1.61	1.63e-04	0.0	1.56e-04
2663	98	0.06	-8.24e-03	-1.72	2.68e-05	0.0	4.68e-06
2663	105	0.06	-0.16	-1.61	5.22e-05	0.0	3.47e-05
2663	107	0.06	-7.66e-03	-1.65	2.54e-05	0.0	4.47e-06
2663	112	9.31	3.21	-1.88	-6.47e-05	0.0	-2.94e-04
2663	134	0.42	4.89	-3.42	-9.68e-04	0.0	-4.80e-05
2663	139	-5.22	-5.87	-0.02	1.02e-03	0.0	2.13e-04
2663	144	10.49	3.61	-1.90	-7.60e-05	0.0	-3.31e-04
2663	166	0.47	5.50	-3.64	-1.09e-03	0.0	-5.48e-05
2663	171	-5.92	-6.61	0.18	1.14e-03	0.0	2.40e-04
2663	176	10.57	3.57	-1.92	-8.16e-05	0.0	-3.23e-04
2663	198	0.52	5.44	-3.60	-1.08e-03	0.0	-5.63e-05
2663	203	-6.09	-6.56	0.16	1.13e-03	0.0	2.39e-04
2663	216	12.71	4.35	-2.06	-5.86e-04	0.0	-3.97e-04
2663	230	0.64	6.34	-3.92	-1.26e-03	0.0	-6.85e-05
2663	235	-7.32	-7.66	0.46	1.31e-03	0.0	2.81e-04
2664	4	0.15	0.61	-2.99	-2.09e-05	0.0	-5.92e-05
2664	44	0.14	-1.24	-2.23	1.96e-04	0.0	2.24e-04
2664	52	0.16	-0.04	-2.82	6.27e-05	0.0	5.44e-06
2664	68	0.10	0.41	-2.11	-1.19e-05	0.0	-3.92e-05
2664	88	0.10	-0.83	-1.61	1.33e-04	0.0	1.50e-04
2664	92	0.11	-0.03	-2.00	4.38e-05	0.0	3.86e-06
2664	98	0.09	-0.02	-1.71	3.59e-05	0.0	3.17e-06
2664	105	0.09	-0.18	-1.61	5.30e-05	0.0	3.23e-05
2664	107	0.09	-0.02	-1.64	3.41e-05	0.0	3.05e-06
2664	112	9.99	3.44	-1.88	-4.58e-04	0.0	-3.11e-04
2664	134	0.46	5.32	-3.41	-8.13e-04	0.0	-5.51e-05
2664	139	-5.56	-6.40	-0.02	1.01e-03	0.0	2.25e-04
2664	144	11.25	3.87	-1.91	-5.19e-04	0.0	-3.50e-04
2664	166	0.52	5.99	-3.63	-9.19e-04	0.0	-6.26e-05
2664	171	-6.30	-7.21	0.18	1.14e-03	0.0	2.53e-04
2664	176	11.34	3.83	-1.92	-5.09e-04	0.0	-3.40e-04
2664	198	0.58	5.93	-3.60	-9.09e-04	0.0	-6.42e-05
2664	203	-6.49	-7.15	0.16	1.12e-03	0.0	2.51e-04
2664	216	13.62	4.67	-2.06	-6.21e-04	0.0	-4.14e-04
2664	230	0.71	6.91	-3.91	-1.06e-03	0.0	-7.75e-05
2664	235	-7.81	-8.35	0.46	1.31e-03	0.0	2.95e-04
2665	4	0.20	0.62	-2.99	7.31e-06	0.0	-5.38e-05
2665	44	0.18	-1.33	-2.23	1.63e-04	0.0	1.93e-04
2665	52	0.21	-0.08	-2.82	7.69e-05	0.0	2.23e-06
2665	68	0.14	0.41	-2.11	7.52e-06	0.0	-3.57e-05
2665	88	0.13	-0.89	-1.61	1.11e-04	0.0	1.29e-04
2665	92	0.14	-0.06	-2.00	5.39e-05	0.0	1.62e-06
2665	98	0.12	-0.05	-1.71	4.44e-05	0.0	1.36e-06
2665	105	0.11	-0.21	-1.61	5.50e-05	0.0	2.68e-05
2665	107	0.11	-0.04	-1.64	4.22e-05	0.0	1.34e-06
2665	112	10.69	3.68	-1.88	-4.62e-04	0.0	-3.52e-04
2665	134	0.51	5.73	-3.41	-7.73e-04	0.0	-5.29e-05
2665	139	-5.91	-6.93	-0.02	1.00e-03	0.0	2.42e-04

2665	144	12.04	4.15	-1.91	-5.25e-04	0.0	-3.97e-04
2665	166	0.58	6.46	-3.63	-8.75e-04	0.0	-5.99e-05
2665	171	-6.71	-7.80	0.18	1.12e-03	0.0	2.73e-04
2665	176	12.13	4.10	-1.92	-5.16e-04	0.0	-3.87e-04
2665	198	0.63	6.39	-3.60	-8.66e-04	0.0	-6.16e-05
2665	203	-6.91	-7.73	0.16	1.11e-03	0.0	2.71e-04
2665	216	14.55	5.00	-2.06	-6.42e-04	0.0	-4.76e-04
2665	230	0.77	7.45	-3.91	-1.02e-03	0.0	-7.44e-05
2665	235	-8.32	-9.03	0.46	1.29e-03	0.0	3.21e-04
2666	4	0.07	0.58	-2.99	-1.27e-04	0.0	-4.50e-05
2666	28	0.08	-0.66	-2.65	2.86e-04	0.0	1.17e-04
2666	48	0.06	-1.10	-1.73	4.40e-04	0.0	1.87e-04
2666	68	0.05	0.39	-2.11	-8.36e-05	0.0	-2.98e-05
2666	80	0.05	-0.44	-1.89	1.92e-04	0.0	7.79e-05
2666	88	0.05	-0.73	-1.61	2.99e-04	0.0	1.26e-04
2666	98	0.04	2.73e-04	-1.72	2.19e-05	0.0	4.26e-06
2666	105	0.04	-0.15	-1.62	7.57e-05	0.0	2.82e-05
2666	106	0.03	1.15e-03	-1.25	1.40e-05	0.0	2.69e-06
2666	107	0.04	3.99e-04	-1.66	2.07e-05	0.0	4.03e-06
2666	112	9.06	3.18	-1.74	-9.50e-05	0.0	-3.29e-04
2666	134	0.39	4.41	-3.52	-1.04e-03	0.0	-2.66e-05
2666	136	5.20	5.44	-3.29	-9.37e-04	0.0	-2.07e-04
2666	144	10.21	3.58	-1.75	-1.10e-04	0.0	-3.72e-04
2666	166	0.44	4.96	-3.76	-1.18e-03	0.0	-3.08e-05
2666	168	5.88	6.12	-3.50	-1.06e-03	0.0	-2.35e-04
2666	176	10.29	3.55	-1.75	-1.20e-04	0.0	-3.67e-04
2666	198	0.49	4.91	-3.72	-1.16e-03	0.0	-3.25e-05
2666	200	6.05	6.08	-3.47	-1.05e-03	0.0	-2.37e-04
2666	216	12.40	4.33	-1.90	-1.75e-04	0.0	-4.64e-04
2666	230	0.61	5.72	-4.06	-1.35e-03	0.0	-4.09e-05
2666	232	7.25	7.11	-3.76	-1.22e-03	0.0	-2.83e-04
2667	4	0.03	0.49	-2.99	-7.18e-04	9.42e-06	8.49e-06
2667	18	0.02	0.81	-2.79	-7.01e-04	-1.05e-05	1.14e-05
2667	28	0.04	-0.47	-2.65	-5.84e-04	1.51e-05	-1.68e-06
2667	68	0.02	0.33	-2.12	-5.11e-04	-1.82e-06	5.77e-06
2667	75	0.01	0.54	-1.99	-5.01e-04	-1.51e-05	7.69e-06
2667	80	0.03	-0.31	-1.89	-4.22e-04	1.95e-06	-1.01e-06
2667	98	0.02	0.01	-1.73	-4.08e-04	-1.48e-05	1.98e-06
2667	103	0.02	0.12	-1.70	-4.09e-04	-1.94e-05	2.99e-06
2667	107	0.02	9.89e-03	-1.66	-3.95e-04	-1.88e-05	1.87e-06
2667	112	8.89	2.98	-1.75	-4.55e-04	5.12e-05	-3.57e-04
2667	134	0.36	3.89	-3.52	-1.13e-03	-1.10e-04	-1.97e-05
2667	136	5.09	4.90	-3.30	-1.13e-03	-6.28e-05	-2.17e-04
2667	144	10.02	3.36	-1.76	-4.63e-04	6.00e-05	-4.03e-04
2667	166	0.41	4.38	-3.76	-1.22e-03	-1.21e-04	-2.27e-05
2667	168	5.76	5.51	-3.50	-1.22e-03	-6.84e-05	-2.45e-04
2667	176	10.10	3.33	-1.77	-4.68e-04	5.63e-05	-4.02e-04
2667	198	0.46	4.34	-3.72	-1.21e-03	-1.18e-04	-2.36e-05
2667	200	5.93	5.48	-3.48	-1.21e-03	-6.85e-05	-2.49e-04
2667	216	12.19	4.08	-1.92	-8.54e-04	3.76e-05	-5.13e-04
2667	230	0.58	5.05	-4.05	-1.34e-03	-1.34e-04	-2.96e-05
2667	232	7.12	6.42	-3.77	-1.35e-03	-7.65e-05	-2.98e-04
2668	4	0.10	0.65	-2.98	-7.23e-05	0.0	-9.06e-05
2668	28	0.11	-0.81	-2.65	2.03e-04	0.0	2.09e-04
2668	44	0.10	-1.34	-2.23	3.00e-04	0.0	3.41e-04
2668	68	0.07	0.43	-2.11	-4.67e-05	0.0	-6.01e-05
2668	80	0.08	-0.54	-1.89	1.37e-04	0.0	1.39e-04
2668	88	0.07	-0.89	-1.61	2.02e-04	0.0	2.28e-04
2668	98	0.06	-0.01	-1.72	2.68e-05	0.0	4.78e-06
2668	105	0.06	-0.19	-1.62	6.00e-05	0.0	4.91e-05
2668	107	0.06	-0.01	-1.65	2.55e-05	0.0	4.56e-06
2668	112	9.27	3.39	-1.72	-6.73e-05	0.0	-3.16e-04
2668	134	0.41	4.90	-3.53	-9.98e-04	0.0	-5.38e-05
2668	139	-5.21	-5.99	-0.02	9.33e-04	0.0	2.31e-04
2668	144	10.45	3.82	-1.72	-7.90e-05	0.0	-3.56e-04
2668	166	0.47	5.51	-3.76	-1.13e-03	0.0	-6.13e-05
2668	171	-5.90	-6.74	0.18	1.05e-03	0.0	2.60e-04
2668	176	10.53	3.78	-1.73	-8.75e-05	0.0	-3.49e-04
2668	198	0.52	5.46	-3.73	-1.11e-03	0.0	-6.31e-05
2668	203	-6.08	-6.69	0.16	1.04e-03	0.0	2.59e-04
2668	216	12.67	4.60	-1.87	-1.12e-04	0.0	-4.30e-04
2668	230	0.64	6.36	-4.06	-1.29e-03	0.0	-7.67e-05
2668	235	-7.30	-7.82	0.45	1.20e-03	0.0	3.06e-04
2669	4	0.15	0.66	-2.97	-1.67e-05	0.0	-7.54e-05
2669	44	0.14	-1.42	-2.22	1.71e-04	0.0	2.81e-04

2669	52	0.16	-0.05	-2.80	6.00e-05	0.0	6.18e-06
2669	68	0.10	0.44	-2.10	-9.15e-06	0.0	-5.00e-05
2669	88	0.10	-0.94	-1.60	1.16e-04	0.0	1.88e-04
2669	92	0.11	-0.03	-1.99	4.20e-05	0.0	4.39e-06
2669	98	0.09	-0.03	-1.71	3.44e-05	0.0	3.61e-06
2669	105	0.09	-0.21	-1.61	4.85e-05	0.0	4.02e-05
2669	107	0.09	-0.03	-1.65	3.27e-05	0.0	3.48e-06
2669	112	9.99	3.62	-1.67	-4.77e-04	0.0	-3.22e-04
2669	134	0.46	5.34	-3.54	-8.11e-04	0.0	-5.88e-05
2669	139	-5.57	-6.52	-0.02	1.02e-03	0.0	2.35e-04
2669	144	11.26	4.08	-1.67	-5.41e-04	0.0	-3.63e-04
2669	166	0.52	6.01	-3.77	-9.16e-04	0.0	-6.69e-05
2669	171	-6.31	-7.34	0.18	1.14e-03	0.0	2.65e-04
2669	176	11.34	4.03	-1.67	-5.29e-04	0.0	-3.53e-04
2669	198	0.58	5.95	-3.74	-9.07e-04	0.0	-6.86e-05
2669	203	-6.50	-7.28	0.15	1.13e-03	0.0	2.63e-04
2669	216	13.63	4.92	-1.81	-6.46e-04	0.0	-4.32e-04
2669	230	0.71	6.94	-4.08	-1.06e-03	0.0	-8.29e-05
2669	235	-7.82	-8.51	0.44	1.31e-03	0.0	3.10e-04
2670	4	0.20	0.66	-2.97	1.96e-05	0.0	-6.72e-05
2670	44	0.18	-1.48	-2.22	1.10e-04	0.0	2.40e-04
2670	52	0.21	-0.08	-2.80	7.38e-05	0.0	2.85e-06
2670	68	0.14	0.44	-2.10	1.56e-05	0.0	-4.46e-05
2670	88	0.13	-0.99	-1.60	7.58e-05	0.0	1.60e-04
2670	92	0.14	-0.06	-1.99	5.18e-05	0.0	2.07e-06
2670	98	0.12	-0.05	-1.71	4.27e-05	0.0	1.74e-06
2670	105	0.11	-0.23	-1.61	4.67e-05	0.0	3.34e-05
2670	107	0.11	-0.04	-1.64	4.06e-05	0.0	1.70e-06
2670	112	10.69	3.88	-1.64	-5.02e-04	0.0	-3.55e-04
2670	134	0.51	5.74	-3.54	-7.52e-04	0.0	-5.53e-05
2670	139	-5.91	-7.05	-0.02	1.01e-03	0.0	2.47e-04
2670	144	12.04	4.38	-1.64	-5.70e-04	0.0	-4.00e-04
2670	166	0.58	6.47	-3.78	-8.52e-04	0.0	-6.27e-05
2670	171	-6.71	-7.93	0.18	1.13e-03	0.0	2.78e-04
2670	176	12.13	4.32	-1.64	-5.61e-04	0.0	-3.90e-04
2670	198	0.63	6.40	-3.74	-8.43e-04	0.0	-6.45e-05
2670	203	-6.91	-7.87	0.15	1.12e-03	0.0	2.77e-04
2670	216	14.54	5.28	-1.77	-7.03e-04	0.0	-4.80e-04
2670	230	0.77	7.47	-4.09	-9.89e-04	0.0	-7.79e-05
2670	235	-8.31	-9.19	0.44	1.30e-03	0.0	3.27e-04
2671	4	0.24	0.61	-2.99	2.97e-05	0.0	-4.31e-05
2671	44	0.22	-1.41	-2.23	1.36e-04	0.0	1.49e-04
2671	52	0.25	-0.12	-2.82	8.78e-05	0.0	0.0
2671	68	0.17	0.40	-2.11	2.29e-05	0.0	-2.87e-05
2671	88	0.15	-0.94	-1.61	9.39e-05	0.0	9.91e-05
2671	92	0.18	-0.09	-2.00	6.17e-05	0.0	0.0
2671	98	0.15	-0.07	-1.71	5.11e-05	0.0	0.0
2671	105	0.14	-0.24	-1.61	5.66e-05	0.0	1.99e-05
2671	107	0.14	-0.07	-1.64	4.87e-05	0.0	0.0
2671	112	11.36	3.91	-1.88	-4.53e-04	0.0	-4.07e-04
2671	134	0.56	6.11	-3.41	-7.40e-04	0.0	-4.71e-05
2671	139	-6.25	-7.43	-0.02	9.87e-04	0.0	2.66e-04
2671	144	12.79	4.41	-1.91	-5.16e-04	0.0	-4.58e-04
2671	166	0.63	6.88	-3.63	-8.39e-04	0.0	-5.34e-05
2671	171	-7.09	-8.35	0.18	1.11e-03	0.0	3.00e-04
2671	176	12.89	4.36	-1.92	-5.08e-04	0.0	-4.49e-04
2671	198	0.69	6.81	-3.60	-8.30e-04	0.0	-5.51e-05
2671	203	-7.31	-8.29	0.16	1.10e-03	0.0	3.00e-04
2671	216	15.44	5.33	-2.06	-6.38e-04	0.0	-5.62e-04
2671	230	0.83	7.95	-3.91	-9.75e-04	0.0	-6.69e-05
2671	235	-8.80	-9.67	0.46	1.27e-03	0.0	3.56e-04
2672	4	0.29	0.58	-2.99	4.86e-05	0.0	-2.61e-05
2672	44	0.26	-1.47	-2.23	1.08e-04	0.0	8.45e-05
2672	52	0.30	-0.17	-2.82	9.57e-05	0.0	-1.93e-06
2672	68	0.20	0.38	-2.11	3.59e-05	0.0	-1.75e-05
2672	88	0.18	-0.98	-1.61	7.55e-05	0.0	5.63e-05
2672	92	0.21	-0.12	-2.00	6.73e-05	0.0	-1.35e-06
2672	98	0.18	-0.10	-1.71	5.60e-05	0.0	-1.11e-06
2672	105	0.17	-0.27	-1.61	5.66e-05	0.0	1.04e-05
2672	107	0.17	-0.09	-1.65	5.34e-05	0.0	-1.05e-06
2672	112	12.03	4.13	-1.88	-4.35e-04	0.0	-4.71e-04
2672	134	0.61	6.47	-3.41	-7.14e-04	0.0	-4.35e-05
2672	139	-6.58	-7.91	-0.02	9.67e-04	0.0	2.98e-04
2672	144	13.55	4.66	-1.91	-4.96e-04	0.0	-5.31e-04
2672	166	0.68	7.29	-3.63	-8.10e-04	0.0	-4.92e-05

2672	171	-7.47	-8.90	0.18	1.08e-03	0.0	3.36e-04
2672	176	13.65	4.61	-1.92	-4.88e-04	0.0	-5.23e-04
2672	198	0.75	7.22	-3.60	-8.01e-04	0.0	-5.10e-05
2672	203	-7.70	-8.83	0.16	1.07e-03	0.0	3.37e-04
2672	216	16.32	5.64	-2.06	-6.19e-04	0.0	-6.63e-04
2672	230	0.90	8.42	-3.92	-9.42e-04	0.0	-6.23e-05
2672	235	-9.27	-10.30	0.46	1.24e-03	0.0	4.01e-04
2673	4	0.33	0.55	-2.99	-5.27e-04	-8.34e-06	-1.22e-06
2673	44	0.29	-1.50	-2.23	3.30e-04	-9.37e-06	-6.02e-06
2673	52	0.34	-0.22	-2.82	-3.13e-04	-4.28e-06	-3.82e-06
2673	68	0.23	0.36	-2.11	-3.70e-04	-1.23e-05	-1.06e-06
2673	88	0.21	-1.01	-1.61	2.01e-04	-1.30e-05	-4.26e-06
2673	92	0.24	-0.16	-2.00	-2.28e-04	-9.65e-06	-2.79e-06
2673	98	0.20	-0.13	-1.72	-2.07e-04	-2.17e-05	-2.52e-06
2673	105	0.19	-0.30	-1.61	-1.19e-04	-2.33e-05	-2.79e-06
2673	107	0.19	-0.12	-1.65	-2.02e-04	-2.42e-05	-2.46e-06
2673	112	12.45	4.34	-1.88	-2.55e-04	2.79e-04	-5.32e-04
2673	134	0.65	6.82	-3.42	-9.38e-04	-2.70e-04	-4.39e-05
2673	139	-6.79	-8.39	-0.02	5.36e-04	2.55e-05	3.30e-04
2673	144	14.02	4.90	-1.91	-2.62e-04	3.17e-04	-5.99e-04
2673	166	0.72	7.68	-3.64	-1.03e-03	-3.01e-04	-4.97e-05
2673	171	-7.70	-9.43	0.18	6.28e-04	3.13e-05	3.73e-04
2673	176	14.12	4.84	-1.92	-2.66e-04	3.18e-04	-5.91e-04
2673	198	0.78	7.61	-3.60	-1.02e-03	-3.01e-04	-5.14e-05
2673	203	-7.94	-9.35	0.16	6.17e-04	2.77e-05	3.75e-04
2673	216	16.87	5.94	-2.06	-6.71e-04	3.55e-04	-7.60e-04
2673	230	0.94	8.88	-3.92	-1.15e-03	-3.50e-04	-6.27e-05
2673	235	-9.56	-10.91	0.46	7.52e-04	3.31e-05	4.48e-04
2674	4	0.24	0.64	-2.97	4.95e-05	0.0	-5.42e-05
2674	44	0.22	-1.52	-2.21	5.95e-05	0.0	1.88e-04
2674	52	0.25	-0.12	-2.80	8.51e-05	0.0	0.0
2674	68	0.17	0.42	-2.10	3.60e-05	0.0	-3.61e-05
2674	88	0.15	-1.02	-1.60	4.27e-05	0.0	1.25e-04
2674	92	0.18	-0.09	-1.99	5.98e-05	0.0	0.0
2674	98	0.15	-0.07	-1.71	4.95e-05	0.0	0.0
2674	105	0.14	-0.26	-1.60	4.51e-05	0.0	2.53e-05
2674	107	0.14	-0.07	-1.64	4.71e-05	0.0	0.0
2674	112	11.36	4.14	-1.63	-5.06e-04	0.0	-4.04e-04
2674	134	0.56	6.10	-3.54	-7.09e-04	0.0	-4.83e-05
2674	139	-6.25	-7.55	-0.02	9.89e-04	0.0	2.66e-04
2674	144	12.79	4.67	-1.63	-5.76e-04	0.0	-4.55e-04
2674	166	0.63	6.87	-3.78	-8.03e-04	0.0	-5.47e-05
2674	171	-7.09	-8.49	0.18	1.11e-03	0.0	3.00e-04
2674	176	12.89	4.61	-1.63	-5.69e-04	0.0	-4.45e-04
2674	198	0.69	6.81	-3.75	-7.95e-04	0.0	-5.65e-05
2674	203	-7.31	-8.43	0.15	1.10e-03	0.0	3.00e-04
2674	216	15.43	5.64	-1.76	-7.24e-04	0.0	-5.57e-04
2674	230	0.83	7.94	-4.09	-9.35e-04	0.0	-6.86e-05
2674	235	-8.80	-9.84	0.44	1.28e-03	0.0	3.55e-04
2675	4	0.30	0.60	-2.97	7.56e-05	0.0	-3.40e-05
2675	44	0.27	-1.53	-2.21	6.64e-06	0.0	1.12e-04
2675	52	0.31	-0.17	-2.80	9.29e-05	0.0	-1.61e-06
2675	68	0.21	0.40	-2.10	5.37e-05	0.0	-2.27e-05
2675	88	0.19	-1.02	-1.60	7.77e-06	0.0	7.49e-05
2675	92	0.22	-0.12	-1.99	6.53e-05	0.0	-1.12e-06
2675	98	0.18	-0.10	-1.71	5.41e-05	0.0	0.0
2675	105	0.17	-0.28	-1.60	4.16e-05	0.0	1.43e-05
2675	107	0.17	-0.09	-1.64	5.16e-05	0.0	0.0
2675	112	12.06	4.39	-1.64	-4.97e-04	0.0	-4.64e-04
2675	134	0.62	6.44	-3.54	-6.79e-04	0.0	-4.36e-05
2675	139	-6.59	-8.04	-0.02	9.71e-04	0.0	2.94e-04
2675	144	13.57	4.96	-1.64	-5.67e-04	0.0	-5.22e-04
2675	166	0.69	7.26	-3.78	-7.71e-04	0.0	-4.94e-05
2675	171	-7.47	-9.03	0.18	1.09e-03	0.0	3.32e-04
2675	176	13.68	4.90	-1.64	-5.60e-04	0.0	-5.14e-04
2675	198	0.75	7.19	-3.75	-7.63e-04	0.0	-5.11e-05
2675	203	-7.70	-8.97	0.15	1.08e-03	0.0	3.33e-04
2675	216	16.35	6.01	-1.77	-7.20e-04	0.0	-6.53e-04
2675	230	0.90	8.39	-4.09	-8.98e-04	0.0	-6.24e-05
2675	235	-9.28	-10.47	0.44	1.25e-03	0.0	3.96e-04
2676	4	0.33	0.55	-2.97	-6.11e-04	-1.09e-05	-1.71e-06
2676	44	0.29	-1.49	-2.22	9.06e-04	-1.35e-05	-7.37e-06
2676	52	0.34	-0.22	-2.80	-2.44e-04	-6.83e-06	-4.64e-06
2676	68	0.23	0.36	-2.10	-4.22e-04	-1.53e-05	-1.41e-06
2676	88	0.21	-1.00	-1.60	5.89e-04	-1.70e-05	-5.19e-06

2676	92	0.24	-0.15	-1.99	-1.78e-04	-1.26e-05	-3.37e-06
2676	98	0.20	-0.13	-1.71	-1.63e-04	-2.53e-05	-2.98e-06
2676	105	0.19	-0.29	-1.60	-7.54e-06	-2.74e-05	-3.31e-06
2676	107	0.19	-0.12	-1.64	-1.58e-04	-2.83e-05	-2.89e-06
2676	112	12.45	4.64	-1.65	-1.88e-04	4.67e-05	-5.32e-04
2676	134	0.65	6.77	-3.54	-9.88e-04	-1.34e-04	-4.43e-05
2676	139	-6.79	-8.51	-0.02	6.71e-04	2.55e-05	3.29e-04
2676	144	14.02	5.24	-1.65	-1.91e-04	5.62e-05	-5.99e-04
2676	166	0.72	7.63	-3.78	-1.09e-03	-1.47e-04	-5.00e-05
2676	171	-7.70	-9.57	0.18	7.75e-04	3.22e-05	3.72e-04
2676	176	14.12	5.17	-1.65	-1.98e-04	5.26e-05	-5.92e-04
2676	198	0.79	7.56	-3.74	-1.08e-03	-1.44e-04	-5.17e-05
2676	203	-7.94	-9.50	0.15	7.62e-04	3.21e-05	3.75e-04
2676	216	16.87	6.37	-1.78	-7.18e-04	3.35e-05	-7.60e-04
2676	230	0.94	8.83	-4.08	-1.23e-03	-1.62e-04	-6.30e-05
2676	235	-9.56	-11.08	0.44	9.15e-04	4.17e-05	4.47e-04
2677	4	0.02	0.47	-2.96	-6.31e-04	9.14e-05	1.02e-05
2677	28	0.03	-0.47	-2.61	-4.96e-04	1.01e-04	0.0
2677	45	0.01	-0.79	-0.99	-1.48e-04	3.20e-05	-6.49e-06
2677	68	0.02	0.31	-2.12	-4.49e-04	6.24e-05	7.00e-06
2677	80	0.02	-0.31	-1.88	-3.59e-04	6.85e-05	0.0
2677	85	0.01	-0.52	-1.14	-1.98e-04	3.24e-05	-3.55e-06
2677	98	0.02	3.02e-03	-1.75	-3.54e-04	5.14e-05	3.07e-06
2677	103	0.01	0.11	-1.73	-3.58e-04	4.70e-05	4.03e-06
2677	107	0.02	2.96e-03	-1.69	-3.43e-04	4.79e-05	2.93e-06
2677	112	8.90	3.76	-2.94	-3.58e-04	-1.58e-04	-3.57e-04
2677	136	5.10	5.17	-3.75	-1.12e-03	-8.76e-05	-2.16e-04
2677	144	10.03	4.24	-3.09	-3.60e-04	-1.84e-04	-4.03e-04
2677	168	5.76	5.82	-4.01	-1.22e-03	-1.05e-04	-2.45e-04
2677	176	10.10	4.21	-3.06	-3.70e-04	-1.83e-04	-4.01e-04
2677	200	5.93	5.81	-3.99	-1.20e-03	-1.08e-04	-2.48e-04
2677	216	12.19	5.22	-3.37	-8.71e-04	-2.46e-04	-5.13e-04
2677	232	7.12	6.82	-4.37	-1.35e-03	-1.39e-04	-2.97e-04
2678	4	0.07	0.98	-2.96	-8.42e-04	0.0	-4.84e-06
2678	28	0.09	-1.54	-2.61	1.77e-03	0.0	2.72e-05
2678	44	0.08	-2.55	-2.22	2.91e-03	0.0	4.21e-05
2678	68	0.05	0.65	-2.12	-5.59e-04	0.0	-3.06e-06
2678	80	0.06	-1.03	-1.88	1.18e-03	0.0	1.83e-05
2678	88	0.06	-1.70	-1.62	1.94e-03	0.0	2.82e-05
2678	98	0.05	-0.01	-1.75	3.27e-05	0.0	2.49e-06
2678	105	0.05	-0.35	-1.65	4.12e-04	0.0	7.50e-06
2678	107	0.05	-0.01	-1.69	3.11e-05	0.0	2.38e-06
2678	112	9.07	4.16	-2.95	1.25e-04	0.0	-4.36e-04
2678	136	5.21	5.86	-3.76	-1.30e-03	0.0	-2.66e-04
2678	139	-5.12	-5.89	0.37	1.36e-03	0.0	2.71e-04
2678	144	10.22	4.69	-3.10	1.37e-04	0.0	-4.92e-04
2678	168	5.89	6.61	-4.02	-1.47e-03	0.0	-3.01e-04
2678	171	-5.79	-6.63	0.63	1.53e-03	0.0	3.06e-04
2678	176	10.30	4.66	-3.07	1.24e-04	0.0	-4.89e-04
2678	200	6.06	6.59	-3.99	-1.46e-03	0.0	-3.05e-04
2678	203	-5.97	-6.61	0.60	1.52e-03	0.0	3.10e-04
2678	216	12.41	5.76	-3.39	-1.03e-03	0.0	-6.23e-04
2678	232	7.26	7.73	-4.38	-1.70e-03	0.0	-3.65e-04
2678	235	-7.17	-7.76	0.99	1.77e-03	0.0	3.70e-04
2679	4	0.07	0.99	-2.94	-8.43e-04	0.0	4.79e-06
2679	28	0.09	-1.56	-2.58	1.77e-03	0.0	8.00e-06
2679	44	0.08	-2.58	-2.19	2.91e-03	0.0	1.00e-05
2679	68	0.05	0.66	-2.10	-5.60e-04	0.0	3.36e-06
2679	80	0.06	-1.04	-1.86	1.18e-03	0.0	5.50e-06
2679	88	0.06	-1.72	-1.60	1.94e-03	0.0	6.86e-06
2679	98	0.05	-0.01	-1.74	3.24e-05	0.0	2.50e-06
2679	105	0.05	-0.36	-1.64	4.12e-04	0.0	3.24e-06
2679	107	0.05	-0.01	-1.68	3.08e-05	0.0	2.39e-06
2679	112	9.07	4.29	-1.56	-8.12e-04	0.0	-4.35e-04
2679	136	5.21	5.91	-3.75	-1.32e-03	0.0	-2.66e-04
2679	139	-5.11	-5.94	0.39	1.38e-03	0.0	2.71e-04
2679	144	10.22	4.83	-1.54	-9.18e-04	0.0	-4.91e-04
2679	168	5.89	6.66	-4.01	-1.49e-03	0.0	-3.01e-04
2679	171	-5.79	-6.69	0.65	1.55e-03	0.0	3.05e-04
2679	176	10.30	4.80	-1.56	-8.97e-04	0.0	-4.88e-04
2679	200	6.06	6.65	-3.99	-1.47e-03	0.0	-3.04e-04
2679	203	-5.96	-6.67	0.63	1.53e-03	0.0	3.09e-04
2679	216	12.41	5.93	-3.34	-1.08e-03	0.0	-6.21e-04
2679	232	7.26	7.80	-4.37	-1.72e-03	0.0	-3.64e-04
2679	235	-7.17	-7.83	1.01	1.79e-03	0.0	3.69e-04

2680	4	0.02	0.46	-2.94	-6.20e-04	1.16e-04	1.03e-05
2680	28	0.03	-0.47	-2.58	-4.85e-04	1.25e-04	0.0
2680	45	0.01	-0.79	-0.98	-1.43e-04	5.12e-05	-6.70e-06
2680	68	0.01	0.31	-2.10	-4.42e-04	8.13e-05	7.06e-06
2680	80	0.02	-0.31	-1.86	-3.51e-04	8.73e-05	0.0
2680	85	0.01	-0.52	-1.13	-1.92e-04	5.17e-05	-3.69e-06
2680	98	0.02	2.10e-03	-1.74	-3.48e-04	7.03e-05	3.08e-06
2680	103	0.01	0.10	-1.72	-3.51e-04	6.60e-05	4.06e-06
2680	107	0.02	2.09e-03	-1.68	-3.36e-04	6.69e-05	2.94e-06
2680	112	8.90	3.86	-1.56	-3.45e-04	-8.43e-05	-3.57e-04
2680	136	5.10	5.20	-3.75	-9.94e-04	-4.11e-05	-2.16e-04
2680	144	10.03	4.35	-1.54	-3.46e-04	-1.03e-04	-4.03e-04
2680	168	5.76	5.86	-4.01	-1.08e-03	-5.50e-05	-2.45e-04
2680	176	10.10	4.32	-1.56	-3.58e-04	-1.01e-04	-4.01e-04
2680	200	5.93	5.85	-3.99	-1.07e-03	-5.61e-05	-2.48e-04
2680	216	12.19	5.36	-3.34	-3.58e-04	-1.48e-04	-5.13e-04
2680	232	7.12	6.87	-4.37	-1.19e-03	-7.93e-05	-2.97e-04
2681	4	0.12	1.42	-2.96	-5.77e-04	0.0	1.38e-05
2681	28	0.14	-2.46	-2.60	1.24e-03	0.0	-1.28e-05
2681	44	0.13	-4.06	-2.22	2.03e-03	0.0	-2.38e-05
2681	68	0.09	0.94	-2.12	-3.83e-04	0.0	9.31e-06
2681	80	0.10	-1.64	-1.88	8.32e-04	0.0	-8.40e-06
2681	88	0.09	-2.71	-1.62	1.35e-03	0.0	-1.58e-05
2681	98	0.08	-0.03	-1.75	3.30e-05	0.0	1.96e-06
2681	105	0.08	-0.56	-1.65	2.95e-04	0.0	-1.68e-06
2681	107	0.08	-0.03	-1.69	3.14e-05	0.0	1.88e-06
2681	112	9.20	4.55	-2.97	-7.20e-04	0.0	-5.05e-04
2681	136	5.29	6.53	-3.76	-1.20e-03	0.0	-3.11e-04
2681	139	-5.14	-6.59	0.38	1.27e-03	0.0	3.14e-04
2681	144	10.36	5.13	-3.13	-8.14e-04	0.0	-5.69e-04
2681	168	5.98	7.36	-4.02	-1.36e-03	0.0	-3.51e-04
2681	171	-5.83	-7.42	0.64	1.42e-03	0.0	3.55e-04
2681	176	10.44	5.09	-3.10	-7.95e-04	0.0	-5.65e-04
2681	200	6.15	7.34	-4.00	-1.35e-03	0.0	-3.55e-04
2681	203	-6.00	-7.40	0.61	1.41e-03	0.0	3.59e-04
2681	216	12.56	6.28	-3.43	-9.61e-04	0.0	-7.19e-04
2681	232	7.37	8.61	-4.39	-1.58e-03	0.0	-4.24e-04
2681	235	-7.21	-8.67	1.00	1.64e-03	0.0	4.28e-04
2682	4	0.13	1.41	-2.94	-5.77e-04	0.0	0.0
2682	28	0.15	-2.45	-2.58	1.24e-03	0.0	1.47e-05
2682	44	0.14	-4.04	-2.19	2.03e-03	0.0	2.21e-05
2682	68	0.09	0.94	-2.10	-3.83e-04	0.0	0.0
2682	80	0.11	-1.64	-1.86	8.31e-04	0.0	9.94e-06
2682	88	0.10	-2.69	-1.60	1.35e-03	0.0	1.49e-05
2682	98	0.08	-0.03	-1.74	3.27e-05	0.0	1.90e-06
2682	105	0.08	-0.56	-1.64	2.95e-04	0.0	4.40e-06
2682	107	0.08	-0.03	-1.68	3.11e-05	0.0	1.83e-06
2682	112	9.21	4.69	-1.55	-7.41e-04	0.0	-5.07e-04
2682	136	5.30	6.58	-3.75	-1.21e-03	0.0	-3.12e-04
2682	139	-5.14	-6.65	0.39	1.28e-03	0.0	3.16e-04
2682	144	10.37	5.29	-1.54	-8.38e-04	0.0	-5.72e-04
2682	168	5.99	7.42	-4.01	-1.37e-03	0.0	-3.53e-04
2682	171	-5.82	-7.48	0.65	1.43e-03	0.0	3.57e-04
2682	176	10.45	5.24	-1.56	-8.18e-04	0.0	-5.68e-04
2682	200	6.16	7.40	-3.99	-1.36e-03	0.0	-3.57e-04
2682	203	-6.00	-7.46	0.63	1.42e-03	0.0	3.60e-04
2682	216	12.57	6.48	-3.34	-9.90e-04	0.0	-7.22e-04
2682	232	7.38	8.68	-4.37	-1.59e-03	0.0	-4.26e-04
2682	235	-7.21	-8.75	1.02	1.65e-03	0.0	4.30e-04
2683	4	0.17	1.63	-2.96	-1.94e-04	0.0	2.94e-06
2683	28	0.18	-2.93	-2.60	4.80e-04	0.0	3.68e-06
2683	44	0.16	-4.82	-2.22	7.54e-04	0.0	4.93e-06
2683	68	0.12	1.08	-2.12	-1.27e-04	0.0	2.02e-06
2683	80	0.13	-1.96	-1.88	3.22e-04	0.0	2.51e-06
2683	88	0.12	-3.22	-1.62	5.05e-04	0.0	3.35e-06
2683	98	0.10	-0.05	-1.75	3.34e-05	0.0	0.0
2683	105	0.10	-0.68	-1.65	1.26e-04	0.0	1.37e-06
2683	107	0.10	-0.05	-1.69	3.18e-05	0.0	0.0
2683	112	9.90	4.90	-3.04	-6.31e-04	0.0	-5.30e-04
2683	136	5.70	7.12	-3.78	-1.07e-03	0.0	-3.28e-04
2683	139	-5.50	-7.21	0.40	1.13e-03	0.0	3.30e-04
2683	144	11.15	5.52	-3.21	-7.15e-04	0.0	-5.98e-04
2683	168	6.43	8.03	-4.05	-1.20e-03	0.0	-3.71e-04
2683	171	-6.23	-8.12	0.66	1.27e-03	0.0	3.73e-04
2683	176	11.23	5.47	-3.18	-6.98e-04	0.0	-5.93e-04

2683	200	6.62	8.00	-4.03	-1.19e-03	0.0	-3.75e-04
2683	203	-6.42	-8.09	0.64	1.26e-03	0.0	3.76e-04
2683	216	13.49	6.75	-3.53	-8.56e-04	0.0	-7.55e-04
2683	232	7.92	9.38	-4.43	-1.40e-03	0.0	-4.47e-04
2683	235	-7.72	-9.48	1.04	1.46e-03	0.0	4.49e-04
2684	4	0.17	1.63	-2.94	-1.95e-04	0.0	-1.65e-06
2684	28	0.19	-2.94	-2.58	4.81e-04	0.0	1.28e-05
2684	44	0.17	-4.83	-2.19	7.55e-04	0.0	2.02e-05
2684	68	0.12	1.08	-2.10	-1.28e-04	0.0	-1.04e-06
2684	80	0.13	-1.96	-1.86	3.22e-04	0.0	8.62e-06
2684	88	0.12	-3.22	-1.60	5.05e-04	0.0	1.35e-05
2684	98	0.11	-0.05	-1.74	3.30e-05	0.0	0.0
2684	105	0.10	-0.68	-1.64	1.25e-04	0.0	3.40e-06
2684	107	0.10	-0.05	-1.68	3.14e-05	0.0	0.0
2684	112	9.90	5.04	-1.55	-6.42e-04	0.0	-5.30e-04
2684	136	5.70	7.18	-3.75	-1.08e-03	0.0	-3.28e-04
2684	139	-5.50	-7.28	0.39	1.14e-03	0.0	3.30e-04
2684	144	11.15	5.69	-1.54	-7.27e-04	0.0	-5.97e-04
2684	168	6.43	8.10	-4.01	-1.21e-03	0.0	-3.71e-04
2684	171	-6.23	-8.19	0.65	1.28e-03	0.0	3.72e-04
2684	176	11.23	5.64	-1.56	-7.10e-04	0.0	-5.93e-04
2684	200	6.62	8.07	-3.99	-1.20e-03	0.0	-3.74e-04
2684	203	-6.42	-8.16	0.63	1.27e-03	0.0	3.76e-04
2684	216	13.49	6.96	-3.34	-8.71e-04	0.0	-7.54e-04
2684	232	7.92	9.47	-4.38	-1.41e-03	0.0	-4.47e-04
2684	235	-7.72	-9.56	1.02	1.47e-03	0.0	4.48e-04
2685	4	0.20	1.62	-2.96	2.08e-04	0.0	1.75e-06
2685	28	0.22	-2.97	-2.60	-3.21e-04	0.0	0.0
2685	44	0.19	-4.85	-2.22	-5.82e-04	0.0	1.29e-06
2685	68	0.14	1.08	-2.12	1.40e-04	0.0	1.14e-06
2685	80	0.15	-1.98	-1.88	-2.12e-04	0.0	0.0
2685	88	0.13	-3.24	-1.62	-3.86e-04	0.0	0.0
2685	98	0.12	-0.07	-1.75	3.37e-05	0.0	0.0
2685	105	0.12	-0.70	-1.65	-5.24e-05	0.0	0.0
2685	107	0.12	-0.06	-1.69	3.21e-05	0.0	0.0
2685	112	10.70	5.19	-3.07	-5.43e-04	0.0	-5.37e-04
2685	136	6.15	7.64	-3.80	-9.35e-04	0.0	-3.34e-04
2685	139	-5.92	-7.77	0.41	1.00e-03	0.0	3.34e-04
2685	144	12.05	5.86	-3.25	-6.15e-04	0.0	-6.05e-04
2685	168	6.95	8.61	-4.06	-1.06e-03	0.0	-3.77e-04
2685	171	-6.71	-8.74	0.67	1.12e-03	0.0	3.77e-04
2685	176	12.14	5.80	-3.22	-6.00e-04	0.0	-6.00e-04
2685	200	7.15	8.58	-4.04	-1.05e-03	0.0	-3.81e-04
2685	203	-6.91	-8.70	0.65	1.11e-03	0.0	3.80e-04
2685	216	14.56	7.16	-3.59	-7.50e-04	0.0	-7.65e-04
2685	232	8.56	10.06	-4.44	-1.23e-03	0.0	-4.54e-04
2685	235	-8.32	-10.19	1.05	1.29e-03	0.0	4.54e-04
2686	4	0.20	1.62	-2.94	2.07e-04	0.0	-2.25e-06
2686	28	0.22	-2.97	-2.58	-3.23e-04	0.0	8.68e-06
2686	44	0.19	-4.86	-2.19	-5.84e-04	0.0	1.46e-05
2686	68	0.14	1.08	-2.10	1.40e-04	0.0	-1.52e-06
2686	80	0.15	-1.98	-1.86	-2.13e-04	0.0	5.76e-06
2686	88	0.13	-3.24	-1.60	-3.88e-04	0.0	9.71e-06
2686	98	0.12	-0.07	-1.74	3.33e-05	0.0	0.0
2686	105	0.12	-0.70	-1.64	-5.30e-05	0.0	1.82e-06
2686	107	0.12	-0.06	-1.68	3.16e-05	0.0	0.0
2686	112	10.70	5.34	-1.55	-5.47e-04	0.0	-5.37e-04
2686	136	6.15	7.70	-3.75	-9.39e-04	0.0	-3.34e-04
2686	139	-5.92	-7.83	0.39	1.00e-03	0.0	3.34e-04
2686	144	12.05	6.03	-1.54	-6.20e-04	0.0	-6.06e-04
2686	168	6.95	8.68	-4.01	-1.06e-03	0.0	-3.77e-04
2686	171	-6.71	-8.81	0.65	1.12e-03	0.0	3.77e-04
2686	176	12.14	5.97	-1.56	-6.04e-04	0.0	-6.00e-04
2686	200	7.15	8.65	-3.99	-1.05e-03	0.0	-3.81e-04
2686	203	-6.91	-8.78	0.63	1.11e-03	0.0	3.81e-04
2686	216	14.56	7.38	-3.35	-7.55e-04	0.0	-7.65e-04
2686	232	8.56	10.15	-4.38	-1.23e-03	0.0	-4.54e-04
2686	235	-8.32	-10.28	1.02	1.30e-03	0.0	4.54e-04
2687	4	0.08	0.98	-2.90	-8.45e-04	0.0	1.45e-05
2687	28	0.09	-1.55	-2.54	1.78e-03	0.0	-1.13e-05
2687	44	0.08	-2.56	-2.16	2.92e-03	0.0	-2.21e-05
2687	68	0.05	0.65	-2.07	-5.62e-04	0.0	9.80e-06
2687	80	0.07	-1.03	-1.83	1.19e-03	0.0	-7.35e-06
2687	88	0.06	-1.71	-1.58	1.95e-03	0.0	-1.46e-05
2687	98	0.05	-0.02	-1.72	3.22e-05	0.0	2.51e-06

2687	105	0.05	-0.35	-1.62	4.13e-04	0.0	-1.04e-06
2687	107	0.05	-0.01	-1.66	3.06e-05	0.0	2.40e-06
2687	112	9.08	4.41	-1.56	-8.47e-04	0.0	-4.34e-04
2687	136	5.21	5.95	-3.74	-1.34e-03	0.0	-2.65e-04
2687	139	-5.11	-5.98	0.42	1.40e-03	0.0	2.70e-04
2687	144	10.23	4.96	-1.55	-9.57e-04	0.0	-4.89e-04
2687	168	5.89	6.71	-4.00	-1.51e-03	0.0	-3.00e-04
2687	171	-5.79	-6.74	0.68	1.57e-03	0.0	3.05e-04
2687	176	10.31	4.93	-1.58	-9.36e-04	0.0	-4.87e-04
2687	200	6.06	6.70	-3.97	-1.49e-03	0.0	-3.03e-04
2687	203	-5.96	-6.73	0.65	1.55e-03	0.0	3.08e-04
2687	216	12.42	6.11	-3.27	-1.13e-03	0.0	-6.20e-04
2687	232	7.27	7.87	-4.36	-1.75e-03	0.0	-3.63e-04
2687	235	-7.17	-7.90	1.04	1.81e-03	0.0	3.68e-04
2688	4	0.02	0.46	-2.90	-6.09e-04	1.42e-04	1.05e-05
2688	28	0.03	-0.47	-2.54	-4.74e-04	1.51e-04	0.0
2688	47	0.02	-0.78	-1.56	-2.55e-04	1.07e-04	-5.65e-06
2688	68	0.01	0.31	-2.07	-4.34e-04	1.01e-04	7.21e-06
2688	80	0.02	-0.31	-1.83	-3.44e-04	1.08e-04	0.0
2688	87	0.02	-0.52	-1.51	-2.65e-04	9.58e-05	-2.98e-06
2688	98	0.02	1.18e-03	-1.71	-3.41e-04	9.03e-05	3.12e-06
2688	105	0.02	-0.10	-1.62	-3.15e-04	8.80e-05	1.76e-06
2688	106	8.40e-03	1.37e-03	-1.31	-2.63e-04	6.66e-05	2.11e-06
2688	107	0.02	1.21e-03	-1.66	-3.30e-04	8.69e-05	2.98e-06
2688	112	8.90	3.96	-1.55	-3.33e-04	-7.02e-05	-3.57e-04
2688	136	5.10	5.24	-3.74	-9.89e-04	-2.32e-05	-2.16e-04
2688	144	10.03	4.46	-1.54	-3.33e-04	-9.01e-05	-4.03e-04
2688	168	5.76	5.90	-4.00	-1.07e-03	-3.74e-05	-2.45e-04
2688	176	10.10	4.43	-1.57	-3.45e-04	-8.82e-05	-4.01e-04
2688	200	5.93	5.89	-3.97	-1.07e-03	-3.88e-05	-2.48e-04
2688	216	12.19	5.50	-3.28	-3.45e-04	-1.37e-04	-5.13e-04
2688	232	7.12	6.92	-4.36	-1.19e-03	-6.28e-05	-2.97e-04
2689	4	0.14	1.42	-2.90	-5.80e-04	0.0	-1.41e-05
2689	28	0.16	-2.47	-2.54	1.25e-03	0.0	4.25e-05
2689	44	0.14	-4.07	-2.16	2.03e-03	0.0	6.85e-05
2689	68	0.10	0.94	-2.07	-3.85e-04	0.0	-9.29e-06
2689	80	0.11	-1.65	-1.83	8.33e-04	0.0	2.85e-05
2689	88	0.10	-2.72	-1.58	1.36e-03	0.0	4.58e-05
2689	98	0.09	-0.03	-1.72	3.24e-05	0.0	1.87e-06
2689	105	0.09	-0.57	-1.62	2.95e-04	0.0	1.06e-05
2689	107	0.08	-0.03	-1.66	3.08e-05	0.0	1.79e-06
2689	112	9.21	4.84	-1.58	-7.63e-04	0.0	-5.09e-04
2689	136	5.30	6.65	-3.73	-1.23e-03	0.0	-3.14e-04
2689	139	-5.13	-6.71	0.41	1.29e-03	0.0	3.17e-04
2689	144	10.38	5.45	-1.57	-8.63e-04	0.0	-5.74e-04
2689	168	5.99	7.49	-3.99	-1.39e-03	0.0	-3.55e-04
2689	171	-5.82	-7.55	0.67	1.45e-03	0.0	3.58e-04
2689	176	10.45	5.41	-1.60	-8.43e-04	0.0	-5.71e-04
2689	200	6.16	7.47	-3.96	-1.37e-03	0.0	-3.59e-04
2689	203	-5.99	-7.53	0.64	1.43e-03	0.0	3.62e-04
2689	216	12.58	6.69	-3.24	-1.02e-03	0.0	-7.25e-04
2689	232	7.38	8.77	-4.35	-1.61e-03	0.0	-4.29e-04
2689	235	-7.21	-8.83	1.03	1.67e-03	0.0	4.32e-04
2690	4	0.17	1.63	-2.91	-1.95e-04	0.0	-6.24e-06
2690	28	0.19	-2.94	-2.55	4.78e-04	0.0	2.20e-05
2690	44	0.17	-4.83	-2.17	7.52e-04	0.0	3.55e-05
2690	68	0.12	1.08	-2.08	-1.28e-04	0.0	-4.10e-06
2690	80	0.13	-1.96	-1.84	3.21e-04	0.0	1.47e-05
2690	88	0.12	-3.23	-1.59	5.03e-04	0.0	2.37e-05
2690	98	0.11	-0.05	-1.72	3.26e-05	0.0	0.0
2690	105	0.10	-0.68	-1.62	1.25e-04	0.0	5.44e-06
2690	107	0.10	-0.05	-1.66	3.10e-05	0.0	0.0
2690	112	9.90	5.19	-1.63	-6.50e-04	0.0	-5.29e-04
2690	136	5.70	7.24	-3.72	-1.08e-03	0.0	-3.28e-04
2690	139	-5.50	-7.34	0.40	1.14e-03	0.0	3.29e-04
2690	144	11.15	5.85	-1.63	-7.36e-04	0.0	-5.97e-04
2690	168	6.43	8.17	-3.98	-1.22e-03	0.0	-3.70e-04
2690	171	-6.23	-8.26	0.65	1.28e-03	0.0	3.72e-04
2690	176	11.23	5.80	-1.66	-7.18e-04	0.0	-5.92e-04
2690	200	6.62	8.14	-3.95	-1.21e-03	0.0	-3.74e-04
2690	203	-6.42	-8.23	0.62	1.27e-03	0.0	3.76e-04
2690	216	13.49	7.17	-3.16	-8.82e-04	0.0	-7.54e-04
2690	232	7.92	9.56	-4.33	-1.42e-03	0.0	-4.46e-04
2690	235	-7.72	-9.65	1.00	1.48e-03	0.0	4.48e-04
2691	4	0.20	1.62	-2.91	2.07e-04	0.0	-6.24e-06

2691	28	0.22	-2.97	-2.55	-3.25e-04	0.0	1.67e-05
2691	44	0.19	-4.86	-2.17	-5.87e-04	0.0	2.79e-05
2691	68	0.14	1.08	-2.08	1.40e-04	0.0	-4.19e-06
2691	80	0.15	-1.99	-1.84	-2.15e-04	0.0	1.11e-05
2691	88	0.13	-3.25	-1.59	-3.90e-04	0.0	1.86e-05
2691	98	0.12	-0.07	-1.72	3.28e-05	0.0	0.0
2691	105	0.12	-0.70	-1.62	-5.38e-05	0.0	3.60e-06
2691	107	0.12	-0.06	-1.66	3.12e-05	0.0	0.0
2691	112	10.70	5.49	-1.65	-5.52e-04	0.0	-5.37e-04
2691	136	6.15	7.77	-3.72	-9.43e-04	0.0	-3.34e-04
2691	139	-5.92	-7.89	0.39	1.01e-03	0.0	3.34e-04
2691	144	12.05	6.20	-1.65	-6.25e-04	0.0	-6.06e-04
2691	168	6.95	8.76	-3.98	-1.07e-03	0.0	-3.78e-04
2691	171	-6.71	-8.88	0.65	1.13e-03	0.0	3.77e-04
2691	176	12.14	6.14	-1.68	-6.09e-04	0.0	-6.00e-04
2691	200	7.15	8.73	-3.94	-1.06e-03	0.0	-3.81e-04
2691	203	-6.91	-8.85	0.61	1.12e-03	0.0	3.81e-04
2691	216	14.56	7.60	-3.13	-7.60e-04	0.0	-7.65e-04
2691	232	8.56	10.24	-4.32	-1.24e-03	0.0	-4.54e-04
2691	235	-8.32	-10.37	0.99	1.30e-03	0.0	4.54e-04
2692	4	0.23	1.41	-2.96	5.49e-04	0.0	1.26e-06
2692	44	0.21	-4.21	-2.22	-1.72e-03	0.0	-4.64e-06
2692	52	0.25	-0.15	-2.78	5.92e-05	0.0	-1.93e-06
2692	68	0.16	0.94	-2.12	3.68e-04	0.0	0.0
2692	88	0.15	-2.81	-1.62	-1.14e-03	0.0	-3.21e-06
2692	92	0.17	-0.10	-2.00	4.14e-05	0.0	-1.40e-06
2692	98	0.14	-0.08	-1.75	3.39e-05	0.0	-1.23e-06
2692	105	0.14	-0.62	-1.66	-2.04e-04	0.0	-1.57e-06
2692	107	0.14	-0.08	-1.70	3.22e-05	0.0	-1.19e-06
2692	112	11.49	5.43	-3.07	-4.69e-04	0.0	-5.38e-04
2692	136	6.60	8.07	-3.80	-8.28e-04	0.0	-3.36e-04
2692	139	-6.33	-8.23	0.41	8.93e-04	0.0	3.34e-04
2692	144	12.94	6.13	-3.25	-5.32e-04	0.0	-6.06e-04
2692	168	7.45	9.10	-4.06	-9.36e-04	0.0	-3.80e-04
2692	171	-7.18	-9.26	0.67	1.00e-03	0.0	3.77e-04
2692	176	13.04	6.07	-3.22	-5.19e-04	0.0	-6.00e-04
2692	200	7.67	9.06	-4.04	-9.26e-04	0.0	-3.83e-04
2692	203	-7.40	-9.22	0.65	9.91e-04	0.0	3.80e-04
2692	216	15.61	7.51	-3.59	-6.61e-04	0.0	-7.67e-04
2692	232	9.18	10.63	-4.45	-1.09e-03	0.0	-4.56e-04
2692	235	-8.91	-10.79	1.05	1.15e-03	0.0	4.54e-04
2693	4	0.23	1.41	-2.94	5.49e-04	0.0	-2.43e-06
2693	44	0.21	-4.21	-2.19	-1.72e-03	0.0	7.66e-06
2693	52	0.25	-0.15	-2.76	5.85e-05	0.0	-1.93e-06
2693	68	0.16	0.94	-2.10	3.68e-04	0.0	-1.73e-06
2693	88	0.15	-2.81	-1.60	-1.15e-03	0.0	4.99e-06
2693	92	0.17	-0.10	-1.98	4.09e-05	0.0	-1.40e-06
2693	98	0.14	-0.08	-1.74	3.35e-05	0.0	-1.23e-06
2693	105	0.14	-0.62	-1.64	-2.05e-04	0.0	0.0
2693	107	0.14	-0.08	-1.68	3.18e-05	0.0	-1.19e-06
2693	112	11.49	5.58	-1.55	-4.72e-04	0.0	-5.38e-04
2693	136	6.60	8.13	-3.76	-8.31e-04	0.0	-3.36e-04
2693	139	-6.33	-8.29	0.39	8.95e-04	0.0	3.34e-04
2693	144	12.94	6.30	-1.53	-5.35e-04	0.0	-6.06e-04
2693	168	7.45	9.17	-4.02	-9.39e-04	0.0	-3.80e-04
2693	171	-7.18	-9.33	0.65	1.00e-03	0.0	3.77e-04
2693	176	13.04	6.23	-1.56	-5.20e-04	0.0	-6.00e-04
2693	200	7.67	9.13	-3.99	-9.29e-04	0.0	-3.83e-04
2693	203	-7.40	-9.29	0.63	9.93e-04	0.0	3.80e-04
2693	216	15.61	7.72	-3.35	-6.63e-04	0.0	-7.67e-04
2693	232	9.18	10.72	-4.38	-1.09e-03	0.0	-4.56e-04
2693	235	-8.91	-10.88	1.02	1.16e-03	0.0	4.54e-04
2694	4	0.27	1.04	-2.97	7.94e-04	0.0	0.0
2694	44	0.24	-3.03	-2.22	-2.53e-03	0.0	-5.26e-06
2694	52	0.28	-0.18	-2.79	5.95e-05	0.0	-3.66e-06
2694	68	0.19	0.69	-2.12	5.31e-04	0.0	0.0
2694	88	0.17	-2.02	-1.62	-1.69e-03	0.0	-3.71e-06
2694	92	0.20	-0.12	-2.00	4.16e-05	0.0	-2.65e-06
2694	98	0.16	-0.10	-1.76	3.41e-05	0.0	-2.32e-06
2694	105	0.15	-0.48	-1.66	-3.13e-04	0.0	-2.50e-06
2694	107	0.16	-0.10	-1.70	3.24e-05	0.0	-2.25e-06
2694	112	12.23	5.64	-3.05	-4.18e-04	0.0	-5.36e-04
2694	136	7.03	8.45	-3.79	-7.54e-04	0.0	-3.36e-04
2694	139	-6.72	-8.64	0.40	8.19e-04	0.0	3.32e-04
2694	144	13.77	6.37	-3.21	-4.75e-04	0.0	-6.04e-04

2694	168	7.93	9.52	-4.05	-8.53e-04	0.0	-3.80e-04
2694	171	-7.62	-9.72	0.66	9.17e-04	0.0	3.75e-04
2694	176	13.88	6.30	-3.19	-4.62e-04	0.0	-5.97e-04
2694	200	8.16	9.48	-4.04	-8.43e-04	0.0	-3.82e-04
2694	203	-7.85	-9.67	0.64	9.08e-04	0.0	3.78e-04
2694	216	16.60	7.81	-3.54	-5.99e-04	0.0	-7.65e-04
2694	232	9.77	11.13	-4.43	-9.91e-04	0.0	-4.55e-04
2694	235	-9.46	-11.32	1.04	1.06e-03	0.0	4.51e-04
2695	4	0.27	1.04	-2.94	7.94e-04	0.0	-2.44e-06
2695	44	0.24	-3.03	-2.20	-2.54e-03	0.0	0.0
2695	52	0.28	-0.18	-2.76	5.87e-05	0.0	-3.66e-06
2695	68	0.19	0.69	-2.10	5.32e-04	0.0	-1.83e-06
2695	88	0.17	-2.02	-1.60	-1.69e-03	0.0	0.0
2695	92	0.20	-0.12	-1.98	4.10e-05	0.0	-2.64e-06
2695	98	0.16	-0.10	-1.74	3.35e-05	0.0	-2.31e-06
2695	105	0.15	-0.48	-1.64	-3.13e-04	0.0	-1.79e-06
2695	107	0.15	-0.10	-1.68	3.19e-05	0.0	-2.24e-06
2695	112	12.23	5.79	-1.55	-4.19e-04	0.0	-5.36e-04
2695	136	7.03	8.51	-3.76	-7.56e-04	0.0	-3.36e-04
2695	139	-6.72	-8.70	0.39	8.20e-04	0.0	3.32e-04
2695	144	13.77	6.53	-1.53	-4.76e-04	0.0	-6.04e-04
2695	168	7.93	9.60	-4.02	-8.55e-04	0.0	-3.80e-04
2695	171	-7.62	-9.79	0.65	9.19e-04	0.0	3.75e-04
2695	176	13.88	6.46	-1.55	-4.62e-04	0.0	-5.97e-04
2695	200	8.16	9.56	-3.99	-8.46e-04	0.0	-3.82e-04
2695	203	-7.85	-9.75	0.63	9.09e-04	0.0	3.78e-04
2695	216	16.59	8.03	-3.36	-5.99e-04	0.0	-7.65e-04
2695	232	9.77	11.22	-4.38	-9.93e-04	0.0	-4.55e-04
2695	235	-9.46	-11.41	1.02	1.06e-03	0.0	4.51e-04
2696	4	0.33	0.56	-2.97	-9.47e-04	1.13e-04	-3.77e-06
2696	44	0.30	-1.48	-2.23	3.21e-03	1.06e-04	-3.71e-06
2696	52	0.34	-0.21	-2.79	3.35e-05	1.15e-04	-5.54e-06
2696	68	0.23	0.36	-2.12	-6.31e-04	7.94e-05	-2.81e-06
2696	88	0.21	-0.99	-1.63	2.14e-03	7.50e-05	-2.77e-06
2696	92	0.24	-0.14	-2.00	2.25e-05	8.11e-05	-3.99e-06
2696	98	0.20	-0.12	-1.76	1.57e-05	6.83e-05	-3.48e-06
2696	105	0.19	-0.29	-1.66	4.39e-04	6.58e-05	-3.20e-06
2696	107	0.19	-0.11	-1.70	1.44e-05	6.52e-05	-3.38e-06
2696	112	12.46	5.83	-3.00	8.09e-05	2.84e-04	-5.33e-04
2696	136	7.17	8.80	-3.78	-1.18e-03	3.87e-05	-3.36e-04
2696	139	-6.79	-9.02	0.38	1.21e-03	9.16e-05	3.29e-04
2696	144	14.02	6.58	-3.17	8.92e-05	3.12e-04	-6.00e-04
2696	168	8.09	9.92	-4.04	-1.33e-03	3.56e-05	-3.79e-04
2696	171	-7.71	-10.14	0.64	1.36e-03	9.47e-05	3.72e-04
2696	176	14.13	6.50	-3.14	7.64e-05	3.12e-04	-5.92e-04
2696	200	8.32	9.87	-4.02	-1.32e-03	3.75e-05	-3.81e-04
2696	203	-7.94	-10.10	0.62	1.35e-03	9.28e-05	3.74e-04
2696	216	16.88	8.09	-3.47	-9.05e-04	3.32e-04	-7.61e-04
2696	232	9.95	11.59	-4.42	-1.54e-03	3.47e-05	-4.53e-04
2696	235	-9.57	-11.81	1.01	1.57e-03	9.56e-05	4.47e-04
2697	4	0.33	0.56	-2.94	-9.46e-04	1.20e-04	-2.01e-06
2697	44	0.30	-1.47	-2.19	3.28e-03	1.14e-04	-9.24e-06
2697	52	0.34	-0.20	-2.76	5.11e-05	1.23e-04	-5.45e-06
2697	68	0.23	0.36	-2.10	-6.29e-04	8.53e-05	-1.64e-06
2697	88	0.21	-0.99	-1.60	2.19e-03	8.08e-05	-6.46e-06
2697	92	0.24	-0.14	-1.98	3.52e-05	8.70e-05	-3.93e-06
2697	98	0.20	-0.12	-1.74	2.70e-05	7.41e-05	-3.43e-06
2697	105	0.19	-0.28	-1.64	4.57e-04	7.16e-05	-3.90e-06
2697	107	0.19	-0.11	-1.68	2.54e-05	7.10e-05	-3.33e-06
2697	112	12.46	5.98	-1.55	1.02e-04	3.56e-04	-5.33e-04
2697	136	7.17	8.86	-3.76	-1.18e-03	2.32e-04	-3.36e-04
2697	139	-6.79	-9.08	0.40	1.23e-03	-9.01e-05	3.29e-04
2697	144	14.02	6.75	-1.53	1.12e-04	3.92e-04	-6.00e-04
2697	168	8.09	10.00	-4.02	-1.33e-03	2.53e-04	-3.79e-04
2697	171	-7.71	-10.22	0.66	1.38e-03	-1.11e-04	3.72e-04
2697	176	14.13	6.67	-1.55	9.87e-05	3.92e-04	-5.93e-04
2697	200	8.32	9.95	-3.99	-1.31e-03	2.56e-04	-3.81e-04
2697	203	-7.94	-10.17	0.63	1.36e-03	-1.14e-04	3.74e-04
2697	216	16.88	8.30	-3.36	-9.09e-04	4.26e-04	-7.61e-04
2697	232	9.95	11.68	-4.38	-1.53e-03	2.91e-04	-4.53e-04
2697	235	-9.57	-11.90	1.02	1.58e-03	-1.49e-04	4.47e-04
2698	4	0.23	1.41	-2.91	5.49e-04	0.0	-6.12e-06
2698	44	0.21	-4.22	-2.17	-1.73e-03	0.0	2.00e-05
2698	52	0.25	-0.15	-2.73	5.78e-05	0.0	-1.93e-06
2698	68	0.16	0.94	-2.08	3.68e-04	0.0	-4.19e-06

2698	88	0.15	-2.82	-1.59	-1.15e-03	0.0	1.32e-05
2698	92	0.17	-0.10	-1.96	4.04e-05	0.0	-1.40e-06
2698	98	0.14	-0.08	-1.72	3.30e-05	0.0	-1.23e-06
2698	105	0.14	-0.62	-1.62	-2.05e-04	0.0	1.70e-06
2698	107	0.14	-0.08	-1.66	3.13e-05	0.0	-1.19e-06
2698	112	11.49	5.74	-1.64	-4.74e-04	0.0	-5.38e-04
2698	136	6.60	8.20	-3.72	-8.34e-04	0.0	-3.36e-04
2698	139	-6.33	-8.35	0.39	8.97e-04	0.0	3.34e-04
2698	144	12.94	6.47	-1.64	-5.37e-04	0.0	-6.06e-04
2698	168	7.45	9.24	-3.98	-9.43e-04	0.0	-3.80e-04
2698	171	-7.18	-9.40	0.65	1.01e-03	0.0	3.77e-04
2698	176	13.04	6.40	-1.67	-5.22e-04	0.0	-6.00e-04
2698	200	7.67	9.21	-3.94	-9.32e-04	0.0	-3.83e-04
2698	203	-7.40	-9.37	0.61	9.95e-04	0.0	3.80e-04
2698	216	15.61	7.94	-3.14	-6.64e-04	0.0	-7.67e-04
2698	232	9.18	10.81	-4.32	-1.09e-03	0.0	-4.56e-04
2698	235	-8.91	-10.97	0.99	1.16e-03	0.0	4.54e-04
2699	4	0.27	1.04	-2.91	7.94e-04	0.0	-4.03e-06
2699	44	0.24	-3.03	-2.17	-2.54e-03	0.0	5.36e-06
2699	52	0.28	-0.17	-2.73	5.79e-05	0.0	-3.66e-06
2699	68	0.19	0.69	-2.08	5.31e-04	0.0	-2.89e-06
2699	88	0.17	-2.02	-1.58	-1.69e-03	0.0	3.37e-06
2699	92	0.20	-0.12	-1.96	4.05e-05	0.0	-2.64e-06
2699	98	0.16	-0.10	-1.72	3.31e-05	0.0	-2.31e-06
2699	105	0.15	-0.48	-1.62	-3.14e-04	0.0	-1.08e-06
2699	107	0.15	-0.09	-1.66	3.14e-05	0.0	-2.25e-06
2699	112	12.23	5.94	-1.62	5.67e-05	0.0	-5.36e-04
2699	136	7.03	8.58	-3.72	-7.59e-04	0.0	-3.36e-04
2699	139	-6.72	-8.77	0.40	8.22e-04	0.0	3.32e-04
2699	144	13.77	6.70	-1.61	5.98e-05	0.0	-6.04e-04
2699	168	7.93	9.67	-3.98	-8.58e-04	0.0	-3.80e-04
2699	171	-7.62	-9.86	0.66	9.21e-04	0.0	3.75e-04
2699	176	13.88	6.63	-1.64	5.19e-05	0.0	-5.97e-04
2699	200	8.16	9.64	-3.95	-8.48e-04	0.0	-3.82e-04
2699	203	-7.85	-9.83	0.63	9.11e-04	0.0	3.78e-04
2699	216	16.60	8.24	-3.18	-5.99e-04	0.0	-7.65e-04
2699	232	9.77	11.31	-4.33	-9.96e-04	0.0	-4.55e-04
2699	235	-9.46	-11.50	1.01	1.06e-03	0.0	4.51e-04
2700	4	0.33	0.56	-2.90	-8.94e-04	1.28e-04	0.0
2700	44	0.30	-1.47	-2.16	3.12e-03	1.21e-04	-1.38e-05
2700	52	0.34	-0.20	-2.72	5.40e-05	1.30e-04	-5.32e-06
2700	68	0.23	0.37	-2.07	-5.95e-04	9.10e-05	0.0
2700	88	0.21	-0.99	-1.58	2.08e-03	8.67e-05	-9.46e-06
2700	92	0.24	-0.14	-1.95	3.72e-05	9.27e-05	-3.84e-06
2700	98	0.20	-0.12	-1.72	2.89e-05	7.98e-05	-3.37e-06
2700	105	0.19	-0.28	-1.62	4.37e-04	7.74e-05	-4.45e-06
2700	107	0.19	-0.11	-1.66	2.73e-05	7.68e-05	-3.27e-06
2700	112	12.46	6.13	-1.57	1.11e-04	3.59e-04	-5.33e-04
2700	136	7.17	8.93	-3.73	-1.14e-03	2.36e-04	-3.36e-04
2700	139	-6.79	-9.15	0.41	1.20e-03	-8.29e-05	3.29e-04
2700	144	14.02	6.92	-1.56	1.21e-04	3.95e-04	-6.00e-04
2700	168	8.09	10.07	-3.99	-1.29e-03	2.57e-04	-3.79e-04
2700	171	-7.71	-10.29	0.67	1.34e-03	-1.04e-04	3.72e-04
2700	176	14.13	6.84	-1.59	1.08e-04	3.95e-04	-5.93e-04
2700	200	8.32	10.03	-3.96	-1.27e-03	2.60e-04	-3.81e-04
2700	203	-7.94	-10.25	0.65	1.33e-03	-1.07e-04	3.75e-04
2700	216	16.88	8.52	-3.25	-8.93e-04	4.28e-04	-7.62e-04
2700	232	9.95	11.78	-4.35	-1.49e-03	2.95e-04	-4.54e-04
2700	235	-9.57	-12.00	1.03	1.54e-03	-1.42e-04	4.47e-04
2701	4	0.01	0.44	-2.35	-5.22e-04	2.08e-04	1.14e-05
2701	28	0.03	-0.47	-1.96	-3.86e-04	2.19e-04	1.47e-06
2701	44	0.02	-0.77	-1.61	-2.98e-04	2.14e-04	-2.63e-06
2701	68	8.97e-03	0.29	-1.67	-3.72e-04	1.55e-04	7.87e-06
2701	80	0.02	-0.31	-1.41	-2.81e-04	1.62e-04	1.24e-06
2701	88	0.02	-0.52	-1.17	-2.22e-04	1.59e-04	-1.50e-06
2701	98	0.01	-5.94e-03	-1.34	-2.87e-04	1.47e-04	3.86e-06
2701	105	0.01	-0.11	-1.25	-2.62e-04	1.47e-04	2.58e-06
2701	107	0.01	-5.58e-03	-1.29	-2.78e-04	1.45e-04	3.70e-06
2701	112	8.88	4.74	-2.97	-2.33e-04	2.76e-04	-3.58e-04
2701	136	5.09	5.53	-3.62	-9.47e-04	1.03e-04	-2.16e-04
2701	139	-5.07	-5.54	1.04	3.91e-04	1.88e-04	2.24e-04
2701	144	10.02	5.35	-3.18	-2.28e-04	2.93e-04	-4.04e-04
2701	168	5.76	6.23	-3.91	-1.03e-03	9.79e-05	-2.45e-04
2701	171	-5.73	-6.24	1.33	4.75e-04	1.93e-04	2.52e-04
2701	176	10.09	5.32	-3.14	-2.44e-04	2.92e-04	-4.02e-04

2701	200	5.93	6.24	-3.90	-1.03e-03	9.97e-05	-2.48e-04
2701	203	-5.90	-6.26	1.32	4.71e-04	1.91e-04	2.56e-04
2701	216	12.18	6.65	-3.60	-2.43e-04	2.87e-04	-5.14e-04
2701	232	7.11	7.35	-4.34	-1.15e-03	9.38e-05	-2.98e-04
2701	235	-7.09	-7.37	1.77	5.94e-04	1.97e-04	3.05e-04
2702	4	0.08	0.56	-2.35	-1.85e-04	0.0	9.16e-05
2702	28	0.10	-0.75	-1.96	4.16e-04	0.0	-2.05e-04
2702	44	0.09	-1.22	-1.60	6.61e-04	0.0	-3.35e-04
2702	68	0.06	0.37	-1.67	-1.22e-04	0.0	6.04e-05
2702	80	0.07	-0.50	-1.41	2.79e-04	0.0	-1.37e-04
2702	88	0.06	-0.82	-1.17	4.42e-04	0.0	-2.24e-04
2702	98	0.06	-0.02	-1.33	2.52e-05	0.0	-5.89e-06
2702	105	0.05	-0.18	-1.24	1.07e-04	0.0	-4.93e-05
2702	107	0.05	-0.02	-1.28	2.41e-05	0.0	-5.77e-06
2702	112	9.08	5.28	-2.97	-9.90e-04	0.0	-2.07e-04
2702	136	5.22	6.20	-3.62	-1.27e-03	0.0	1.51e-05
2702	139	-5.11	-6.24	1.05	1.31e-03	0.0	-2.67e-05
2702	144	10.23	5.96	-3.18	-1.12e-03	0.0	-2.32e-04
2702	168	5.89	6.99	-3.91	-1.43e-03	0.0	1.75e-05
2702	171	-5.79	-7.03	1.34	1.48e-03	0.0	-2.90e-05
2702	176	10.31	5.92	-3.15	-1.10e-03	0.0	-2.30e-04
2702	200	6.07	7.01	-3.90	-1.42e-03	0.0	1.33e-05
2702	203	-5.96	-7.05	1.33	1.47e-03	0.0	-2.48e-05
2702	216	12.42	7.41	-3.61	-1.38e-03	0.0	-3.03e-04
2702	232	7.27	8.25	-4.34	-1.68e-03	0.0	1.37e-05
2702	235	-7.16	-8.29	1.77	1.73e-03	0.0	-2.53e-05
2703	4	0.08	0.51	-2.24	-1.25e-04	0.0	8.20e-05
2703	28	0.10	-0.64	-1.85	2.59e-04	0.0	-1.89e-04
2703	44	0.09	-1.04	-1.50	4.08e-04	0.0	-3.08e-04
2703	68	0.05	0.34	-1.59	-8.22e-05	0.0	5.39e-05
2703	80	0.07	-0.43	-1.32	1.74e-04	0.0	-1.27e-04
2703	88	0.06	-0.69	-1.09	2.73e-04	0.0	-2.06e-04
2703	98	0.05	-0.02	-1.26	1.74e-05	0.0	-6.69e-06
2703	105	0.05	-0.15	-1.17	6.74e-05	0.0	-4.64e-05
2703	107	0.05	-0.02	-1.21	1.65e-05	0.0	-6.56e-06
2703	112	9.08	5.41	-0.88	-9.09e-04	0.0	-1.95e-04
2703	136	5.21	6.24	-3.53	-1.22e-03	0.0	1.24e-05
2703	139	-5.11	-6.27	1.10	1.25e-03	0.0	-2.55e-05
2703	144	10.23	6.10	-0.83	-1.03e-03	0.0	-2.18e-04
2703	168	5.89	7.04	-3.82	-1.37e-03	0.0	1.45e-05
2703	171	-5.79	-7.07	1.39	1.41e-03	0.0	-2.76e-05
2703	176	10.31	6.07	-0.87	-1.01e-03	0.0	-2.15e-04
2703	200	6.06	7.05	-3.79	-1.37e-03	0.0	1.05e-05
2703	203	-5.96	-7.09	1.37	1.40e-03	0.0	-2.37e-05
2703	216	12.42	7.60	-3.29	-1.26e-03	0.0	-2.82e-04
2703	232	7.27	8.31	-4.23	-1.61e-03	0.0	1.08e-05
2703	235	-7.16	-8.34	1.81	1.64e-03	0.0	-2.39e-05
2704	4	0.01	0.43	-2.25	-5.02e-04	1.73e-04	1.57e-05
2704	28	0.03	-0.47	-1.85	-3.65e-04	1.85e-04	6.18e-06
2704	44	0.02	-0.77	-1.50	-2.79e-04	1.84e-04	1.81e-06
2704	68	8.57e-03	0.29	-1.59	-3.57e-04	1.30e-04	1.10e-05
2704	80	0.02	-0.31	-1.33	-2.66e-04	1.38e-04	4.63e-06
2704	88	0.02	-0.52	-1.10	-2.09e-04	1.38e-04	1.71e-06
2704	98	0.01	-8.90e-03	-1.26	-2.75e-04	1.26e-04	6.77e-06
2704	105	0.01	-0.11	-1.17	-2.50e-04	1.26e-04	5.44e-06
2704	107	0.01	-8.42e-03	-1.22	-2.66e-04	1.25e-04	6.52e-06
2704	112	8.88	4.93	-0.88	-2.10e-04	4.02e-04	-3.63e-04
2704	136	5.09	5.60	-3.53	-9.37e-04	7.85e-05	-2.18e-04
2704	139	-5.07	-5.61	1.10	4.06e-04	1.71e-04	2.31e-04
2704	144	10.01	5.56	-0.84	-2.03e-04	4.37e-04	-4.09e-04
2704	168	5.75	6.31	-3.83	-1.02e-03	7.31e-05	-2.47e-04
2704	171	-5.73	-6.33	1.39	4.90e-04	1.77e-04	2.60e-04
2704	176	10.09	5.53	-0.87	-2.21e-04	4.37e-04	-4.08e-04
2704	200	5.92	6.33	-3.80	-1.02e-03	7.64e-05	-2.51e-04
2704	203	-5.90	-6.35	1.37	4.86e-04	1.73e-04	2.64e-04
2704	216	12.18	6.92	-3.30	-2.19e-04	4.66e-04	-5.23e-04
2704	232	7.11	7.46	-4.24	-1.14e-03	7.13e-05	-3.01e-04
2704	235	-7.09	-7.48	1.80	6.10e-04	1.78e-04	3.14e-04
2705	4	0.15	0.66	-2.34	-1.22e-04	0.0	1.60e-04
2705	28	0.18	-0.97	-1.95	2.81e-04	0.0	-3.75e-04
2705	44	0.17	-1.58	-1.60	4.36e-04	0.0	-6.10e-04
2705	68	0.11	0.44	-1.66	-7.97e-05	0.0	1.05e-04
2705	80	0.13	-0.65	-1.40	1.89e-04	0.0	-2.51e-04
2705	88	0.12	-1.05	-1.17	2.92e-04	0.0	-4.08e-04
2705	98	0.10	-0.03	-1.33	2.27e-05	0.0	-1.32e-05

2705	105	0.10	-0.24	-1.24	7.51e-05	0.0	-9.19e-05
2705	107	0.10	-0.03	-1.28	2.16e-05	0.0	-1.30e-05
2705	112	9.34	5.79	-2.98	-8.79e-04	0.0	1.64e-04
2705	136	5.38	6.86	-3.62	-1.20e-03	0.0	2.29e-05
2705	139	-5.19	-6.92	1.06	1.24e-03	0.0	-4.88e-05
2705	144	10.52	6.53	-3.20	-9.92e-04	0.0	1.86e-04
2705	168	6.08	7.73	-3.91	-1.35e-03	0.0	2.70e-05
2705	171	-5.88	-7.80	1.35	1.40e-03	0.0	-5.30e-05
2705	176	10.60	6.49	-3.16	-9.73e-04	0.0	1.78e-04
2705	200	6.25	7.75	-3.90	-1.35e-03	0.0	2.21e-05
2705	203	-6.06	-7.81	1.34	1.39e-03	0.0	-4.81e-05
2705	216	12.75	8.12	-3.63	-1.22e-03	0.0	-1.92e-04
2705	232	7.49	9.12	-4.35	-1.58e-03	0.0	2.51e-05
2705	235	-7.29	-9.19	1.79	1.62e-03	0.0	-5.10e-05
2706	4	0.14	0.57	-2.24	-9.04e-05	0.0	1.31e-04
2706	28	0.17	-0.76	-1.84	2.02e-04	0.0	-3.21e-04
2706	44	0.16	-1.23	-1.50	3.08e-04	0.0	-5.19e-04
2706	68	0.10	0.38	-1.59	-5.93e-05	0.0	8.59e-05
2706	80	0.12	-0.51	-1.32	1.35e-04	0.0	-2.15e-04
2706	88	0.12	-0.82	-1.09	2.07e-04	0.0	-3.48e-04
2706	98	0.10	-0.03	-1.26	1.92e-05	0.0	-1.42e-05
2706	105	0.10	-0.18	-1.17	5.53e-05	0.0	-8.05e-05
2706	107	0.09	-0.03	-1.21	1.81e-05	0.0	-1.39e-05
2706	112	9.36	5.87	-0.88	-8.48e-04	0.0	1.51e-04
2706	136	5.39	6.87	-3.52	-1.18e-03	0.0	1.47e-05
2706	139	-5.20	-6.92	1.10	1.22e-03	0.0	-4.25e-05
2706	144	10.55	6.61	-0.83	-9.57e-04	0.0	1.72e-04
2706	168	6.09	7.74	-3.82	-1.34e-03	0.0	1.80e-05
2706	171	-5.90	-7.79	1.39	1.37e-03	0.0	-4.59e-05
2706	176	10.63	6.57	-0.87	-9.36e-04	0.0	1.62e-04
2706	200	6.27	7.76	-3.79	-1.33e-03	0.0	1.36e-05
2706	203	-6.08	-7.81	1.37	1.36e-03	0.0	-4.14e-05
2706	216	12.78	8.24	-3.29	-1.16e-03	0.0	-1.77e-04
2706	232	7.50	9.14	-4.23	-1.56e-03	0.0	1.56e-05
2706	235	-7.31	-9.19	1.80	1.59e-03	0.0	-4.34e-05
2707	4	0.17	0.70	-2.33	-5.04e-05	0.0	1.55e-04
2707	28	0.21	-1.06	-1.94	1.38e-04	0.0	-3.66e-04
2707	44	0.19	-1.70	-1.58	1.98e-04	0.0	-5.96e-04
2707	68	0.12	0.46	-1.65	-3.27e-05	0.0	1.02e-04
2707	80	0.15	-0.71	-1.39	9.30e-05	0.0	-2.46e-04
2707	88	0.14	-1.14	-1.15	1.33e-04	0.0	-3.99e-04
2707	98	0.12	-0.04	-1.32	2.17e-05	0.0	-1.32e-05
2707	105	0.11	-0.26	-1.23	4.22e-05	0.0	-8.99e-05
2707	107	0.11	-0.04	-1.27	2.04e-05	0.0	-1.29e-05
2707	112	10.04	6.19	-3.01	1.91e-04	0.0	1.74e-04
2707	136	5.78	7.45	-3.62	-1.12e-03	0.0	1.50e-05
2707	139	-5.56	-7.54	1.08	1.16e-03	0.0	-4.08e-05
2707	144	11.30	6.98	-3.23	2.13e-04	0.0	1.97e-04
2707	168	6.53	8.41	-3.92	-1.26e-03	0.0	1.83e-05
2707	171	-6.31	-8.49	1.38	1.30e-03	0.0	-4.40e-05
2707	176	11.39	6.94	-3.19	1.96e-04	0.0	1.86e-04
2707	200	6.72	8.41	-3.90	-1.25e-03	0.0	1.34e-05
2707	203	-6.50	-8.50	1.36	1.29e-03	0.0	-3.92e-05
2707	216	13.68	8.69	-3.67	-1.01e-03	0.0	-2.01e-04
2707	232	8.04	9.91	-4.36	-1.47e-03	0.0	1.50e-05
2707	235	-7.82	-9.99	1.82	1.51e-03	0.0	-4.08e-05
2708	4	0.17	0.61	-2.24	-5.20e-05	0.0	1.43e-04
2708	28	0.20	-0.85	-1.84	1.40e-04	0.0	-3.42e-04
2708	44	0.19	-1.36	-1.49	2.02e-04	0.0	-5.55e-04
2708	68	0.12	0.40	-1.58	-3.37e-05	0.0	9.38e-05
2708	80	0.14	-0.57	-1.32	9.46e-05	0.0	-2.29e-04
2708	88	0.14	-0.91	-1.09	1.35e-04	0.0	-3.71e-04
2708	98	0.11	-0.04	-1.26	2.18e-05	0.0	-1.33e-05
2708	105	0.11	-0.21	-1.17	4.28e-05	0.0	-8.45e-05
2708	107	0.11	-0.04	-1.21	2.05e-05	0.0	-1.30e-05
2708	112	10.03	6.28	-0.88	2.15e-04	0.0	1.70e-04
2708	136	5.78	7.47	-3.52	-1.14e-03	0.0	1.19e-05
2708	139	-5.56	-7.54	1.10	1.19e-03	0.0	-3.80e-05
2708	144	11.30	7.07	-0.84	2.40e-04	0.0	1.93e-04
2708	168	6.52	8.42	-3.81	-1.29e-03	0.0	1.47e-05
2708	171	-6.30	-8.49	1.39	1.33e-03	0.0	-4.08e-05
2708	176	11.38	7.02	-0.87	2.22e-04	0.0	1.81e-04
2708	200	6.71	8.44	-3.78	-1.28e-03	0.0	1.01e-05
2708	203	-6.49	-8.51	1.37	1.32e-03	0.0	-3.62e-05
2708	216	13.67	8.81	-3.28	-1.06e-03	0.0	-1.95e-04

2708	232	8.03	9.93	-4.22	-1.50e-03	0.0	1.13e-05
2708	235	-7.81	-10.00	1.80	1.54e-03	0.0	-3.74e-05
2709	4	0.20	0.71	-2.32	6.83e-06	0.0	1.43e-04
2709	28	0.23	-1.10	-1.93	4.12e-05	0.0	-3.34e-04
2709	44	0.22	-1.75	-1.58	3.10e-05	0.0	-5.44e-04
2709	68	0.14	0.47	-1.65	5.53e-06	0.0	9.46e-05
2709	80	0.16	-0.73	-1.38	2.84e-05	0.0	-2.24e-04
2709	88	0.15	-1.17	-1.15	2.17e-05	0.0	-3.64e-04
2709	98	0.13	-0.06	-1.31	2.48e-05	0.0	-1.09e-05
2709	105	0.13	-0.27	-1.22	2.22e-05	0.0	-8.11e-05
2709	107	0.12	-0.05	-1.26	2.33e-05	0.0	-1.06e-05
2709	112	10.72	6.53	-3.02	1.29e-04	0.0	-2.01e-04
2709	136	6.17	8.01	-3.62	-1.06e-03	0.0	9.88e-06
2709	139	-5.92	-8.12	1.09	1.11e-03	0.0	-3.10e-05
2709	144	12.07	7.36	-3.24	1.42e-04	0.0	-2.25e-04
2709	168	6.97	9.03	-3.92	-1.20e-03	0.0	1.22e-05
2709	171	-6.72	-9.14	1.39	1.24e-03	0.0	-3.33e-05
2709	176	12.16	7.30	-3.21	1.23e-04	0.0	-2.18e-04
2709	200	7.17	9.04	-3.91	-1.18e-03	0.0	7.35e-06
2709	203	-6.92	-9.14	1.38	1.23e-03	0.0	-2.85e-05
2709	216	14.59	9.15	-3.70	-8.71e-04	0.0	-2.76e-04
2709	232	8.58	10.64	-4.36	-1.39e-03	0.0	7.43e-06
2709	235	-8.33	-10.74	1.83	1.43e-03	0.0	-2.86e-05
2710	4	0.20	0.62	-2.24	-1.49e-05	0.0	1.34e-04
2710	28	0.23	-0.91	-1.84	9.07e-05	0.0	-3.13e-04
2710	44	0.22	-1.44	-1.49	1.12e-04	0.0	-5.10e-04
2710	68	0.14	0.41	-1.58	-8.72e-06	0.0	8.82e-05
2710	80	0.16	-0.61	-1.32	6.17e-05	0.0	-2.10e-04
2710	88	0.15	-0.96	-1.09	7.60e-05	0.0	-3.41e-04
2710	98	0.13	-0.05	-1.26	2.65e-05	0.0	-1.05e-05
2710	105	0.13	-0.23	-1.17	3.44e-05	0.0	-7.61e-05
2710	107	0.12	-0.05	-1.21	2.49e-05	0.0	-1.02e-05
2710	112	10.72	6.64	-0.88	1.83e-04	0.0	-2.03e-04
2710	136	6.17	8.05	-3.52	-1.10e-03	0.0	9.46e-06
2710	139	-5.92	-8.14	1.10	1.15e-03	0.0	-2.99e-05
2710	144	12.07	7.49	-0.84	2.03e-04	0.0	-2.27e-04
2710	168	6.97	9.08	-3.81	-1.25e-03	0.0	1.17e-05
2710	171	-6.72	-9.17	1.39	1.30e-03	0.0	-3.21e-05
2710	176	12.16	7.43	-0.88	1.85e-04	0.0	-2.20e-04
2710	200	7.17	9.08	-3.78	-1.23e-03	0.0	7.00e-06
2710	203	-6.92	-9.18	1.36	1.28e-03	0.0	-2.74e-05
2710	216	14.59	9.32	-3.27	-9.75e-04	0.0	-2.78e-04
2710	232	8.58	10.69	-4.22	-1.45e-03	0.0	7.06e-06
2710	235	-8.33	-10.79	1.80	1.50e-03	0.0	-2.75e-05
2711	4	0.08	0.47	-2.15	-7.69e-05	1.16e-04	5.23e-05
2711	28	0.10	-0.53	-1.74	1.19e-04	1.17e-04	-1.33e-04
2711	44	0.09	-0.86	-1.39	1.85e-04	1.07e-04	-2.14e-04
2711	68	0.05	0.31	-1.52	-5.11e-05	8.37e-05	3.41e-05
2711	80	0.07	-0.35	-1.25	7.95e-05	8.42e-05	-8.97e-05
2711	88	0.06	-0.57	-1.01	1.24e-04	7.73e-05	-1.44e-04
2711	98	0.05	-0.01	-1.19	7.74e-06	7.39e-05	-7.47e-06
2711	105	0.05	-0.12	-1.10	3.01e-05	7.15e-05	-3.46e-05
2711	107	0.05	-0.01	-1.14	7.14e-06	7.16e-05	-7.34e-06
2711	112	9.08	5.53	-0.94	2.33e-04	5.38e-04	-1.68e-04
2711	136	5.21	6.28	-3.47	-1.18e-03	3.36e-04	6.35e-06
2711	139	-5.11	-6.30	1.19	1.19e-03	-1.93e-04	-2.10e-05
2711	144	10.23	6.23	-0.91	2.62e-04	5.98e-04	-1.88e-04
2711	166	0.45	4.31	-3.76	-1.32e-03	9.69e-05	1.33e-04
2711	171	-5.79	-7.10	1.48	1.34e-03	-2.27e-04	-2.26e-05
2711	176	10.30	6.19	-0.96	2.43e-04	6.00e-04	-1.83e-04
2711	200	6.06	7.10	-3.73	-1.31e-03	3.77e-04	5.11e-06
2711	203	-5.96	-7.12	1.44	1.33e-03	-2.34e-04	-1.98e-05
2711	216	12.42	7.76	-3.00	-1.12e-03	6.78e-04	-2.33e-04
2711	232	7.27	8.36	-4.15	-1.54e-03	4.37e-04	5.41e-06
2711	235	-7.16	-8.39	1.87	1.55e-03	-2.94e-04	-2.01e-05
2712	4	0.01	0.42	-2.18	-4.82e-04	1.18e-04	1.24e-05
2712	28	0.03	-0.48	-1.78	-3.45e-04	6.58e-06	5.31e-06
2712	44	0.02	-0.77	-1.42	-2.61e-04	-5.25e-05	2.34e-06
2712	68	8.54e-03	0.28	-1.54	-3.43e-04	8.19e-05	8.88e-06
2712	80	0.02	-0.32	-1.27	-2.51e-04	7.65e-06	4.12e-06
2712	88	0.02	-0.52	-1.03	-1.95e-04	-3.17e-05	2.14e-06
2712	98	0.01	-0.01	-1.21	-2.62e-04	4.82e-05	5.90e-06
2712	105	0.01	-0.11	-1.12	-2.38e-04	2.95e-05	4.98e-06
2712	107	0.01	-0.01	-1.16	-2.54e-04	4.61e-05	5.78e-06
2712	112	8.88	5.12	-0.95	-1.87e-04	1.08e-03	-3.86e-04

2712	136	5.09	5.67	-3.49	-9.27e-04	6.33e-04	-2.32e-04
2712	139	-5.06	-5.70	1.17	4.20e-04	-5.41e-04	2.44e-04
2712	144	10.01	5.77	-0.93	-1.79e-04	1.21e-03	-4.36e-04
2712	166	0.41	3.81	-3.78	-1.21e-03	9.71e-05	-2.00e-05
2712	171	-5.73	-6.42	1.46	5.05e-04	-6.18e-04	2.75e-04
2712	176	10.09	5.75	-0.97	-1.97e-04	1.22e-03	-4.35e-04
2712	200	5.92	6.42	-3.74	-1.01e-03	7.28e-04	-2.68e-04
2712	203	-5.90	-6.45	1.42	5.01e-04	-6.36e-04	2.80e-04
2712	216	12.18	7.20	-3.02	-1.95e-04	1.42e-03	-5.58e-04
2712	232	7.11	7.57	-4.17	-1.13e-03	8.63e-04	-3.22e-04
2712	235	-7.09	-7.60	1.85	6.26e-04	-7.71e-04	3.34e-04
2713	4	0.14	0.50	-2.13	-6.08e-05	9.25e-05	7.33e-05
2713	28	0.17	-0.59	-1.73	1.28e-04	9.48e-05	-2.30e-04
2713	44	0.16	-0.95	-1.38	1.90e-04	8.55e-05	-3.63e-04
2713	68	0.10	0.33	-1.50	-3.98e-05	6.58e-05	4.66e-05
2713	80	0.12	-0.39	-1.24	8.62e-05	6.74e-05	-1.56e-04
2713	88	0.11	-0.63	-1.01	1.27e-04	6.12e-05	-2.44e-04
2713	98	0.10	-0.02	-1.18	1.62e-05	5.67e-05	-2.04e-05
2713	105	0.10	-0.14	-1.09	3.71e-05	5.47e-05	-6.48e-05
2713	107	0.09	-0.02	-1.14	1.52e-05	5.46e-05	-2.01e-05
2713	112	9.37	5.94	-0.93	2.44e-04	9.09e-04	1.27e-04
2713	134	0.45	4.27	-3.46	-1.17e-03	8.92e-05	-1.22e-05
2713	139	-5.21	-6.92	1.19	1.20e-03	-4.28e-04	-1.00e-04
2713	144	10.56	6.69	-0.91	2.72e-04	1.02e-03	1.45e-04
2713	166	0.51	4.81	-3.75	-1.32e-03	9.44e-05	-1.15e-05
2713	171	-5.91	-7.80	1.48	1.35e-03	-4.92e-04	-1.09e-04
2713	176	10.64	6.65	-0.96	2.54e-04	1.02e-03	1.32e-04
2713	200	6.27	7.78	-3.71	-1.31e-03	6.15e-04	5.82e-05
2713	203	-6.09	-7.81	1.44	1.34e-03	-5.06e-04	-9.85e-05
2713	216	12.79	8.34	-2.97	-1.12e-03	1.19e-03	1.14e-04
2713	232	7.51	9.16	-4.14	-1.54e-03	7.27e-04	6.74e-05
2713	235	-7.32	-9.20	1.87	1.57e-03	-6.17e-04	-1.08e-04
2714	4	0.17	0.53	-2.12	-4.64e-05	6.50e-05	9.62e-05
2714	28	0.20	-0.65	-1.72	1.32e-04	6.66e-05	-2.50e-04
2714	44	0.19	-1.05	-1.38	1.87e-04	5.77e-05	-4.02e-04
2714	68	0.12	0.35	-1.50	-2.98e-05	4.50e-05	6.26e-05
2714	80	0.14	-0.44	-1.23	8.89e-05	4.61e-05	-1.68e-04
2714	88	0.14	-0.70	-1.00	1.26e-04	4.02e-05	-2.69e-04
2714	98	0.11	-0.03	-1.18	2.27e-05	3.62e-05	-1.40e-05
2714	105	0.11	-0.16	-1.09	4.16e-05	3.42e-05	-6.48e-05
2714	107	0.11	-0.03	-1.13	2.14e-05	3.41e-05	-1.38e-05
2714	112	10.03	6.35	-0.94	2.48e-04	1.24e-03	1.64e-04
2714	134	0.50	4.71	-3.45	-1.16e-03	7.83e-05	0.0
2714	139	-5.56	-7.55	0.70	1.21e-03	-6.44e-04	-3.04e-05
2714	144	11.29	7.16	-0.91	2.76e-04	1.39e-03	1.86e-04
2714	166	0.55	5.31	-3.74	-1.31e-03	8.51e-05	2.51e-06
2714	171	-6.30	-8.50	0.93	1.36e-03	-7.33e-04	-3.24e-05
2714	176	11.38	7.11	-0.96	2.58e-04	1.40e-03	1.74e-04
2714	202	0.63	5.20	-3.70	-9.33e-04	1.02e-04	9.86e-05
2714	203	-6.49	-8.51	0.92	1.35e-03	-7.55e-04	-2.87e-05
2714	216	13.66	8.92	-0.92	-1.11e-03	1.64e-03	-1.82e-04
2714	234	0.66	6.04	-4.13	-1.09e-03	1.08e-04	1.15e-04
2714	235	-7.81	-10.01	1.26	1.57e-03	-9.12e-04	-2.91e-05
2715	4	0.20	0.55	-2.12	-3.24e-05	6.01e-05	9.67e-05
2715	28	0.23	-0.72	-1.72	1.34e-04	5.85e-05	-2.29e-04
2715	44	0.22	-1.14	-1.37	1.82e-04	4.80e-05	-3.72e-04
2715	68	0.14	0.36	-1.50	-2.01e-05	4.10e-05	6.36e-05
2715	80	0.16	-0.49	-1.23	9.06e-05	3.99e-05	-1.53e-04
2715	88	0.15	-0.76	-1.00	1.23e-04	3.29e-05	-2.49e-04
2715	98	0.13	-0.04	-1.18	2.86e-05	3.13e-05	-8.39e-06
2715	105	0.13	-0.18	-1.08	4.55e-05	2.88e-05	-5.61e-05
2715	107	0.12	-0.04	-1.13	2.71e-05	2.92e-05	-8.19e-06
2715	112	10.72	6.77	-0.94	2.50e-04	1.31e-03	-2.16e-04
2715	134	0.53	5.15	-3.44	-1.14e-03	7.29e-05	1.52e-04
2715	139	-5.93	-8.18	0.70	1.20e-03	-6.87e-04	-2.65e-05
2715	144	12.07	7.63	-0.91	2.78e-04	1.47e-03	-2.42e-04
2715	166	0.60	5.81	-3.73	-1.29e-03	7.98e-05	1.72e-04
2715	171	-6.72	-9.21	0.93	1.35e-03	-7.81e-04	-2.87e-05
2715	176	12.17	7.56	-0.96	2.60e-04	1.48e-03	-2.34e-04
2715	202	0.68	5.68	-3.69	-9.19e-04	9.91e-05	1.69e-04
2715	203	-6.92	-9.22	0.92	1.34e-03	-8.04e-04	-2.49e-05
2715	216	14.59	9.49	-0.93	-1.09e-03	1.73e-03	-2.92e-04
2715	234	0.72	6.60	-4.12	-1.07e-03	1.05e-04	2.00e-04
2715	235	-8.33	-10.83	1.25	1.56e-03	-9.70e-04	-2.54e-05
2716	4	0.23	0.69	-2.32	5.82e-05	0.0	1.14e-04

2716	28	0.25	-1.09	-1.93	-3.34e-05	0.0	-2.65e-04
2716	44	0.23	-1.72	-1.57	-1.01e-04	0.0	-4.31e-04
2716	68	0.16	0.45	-1.65	4.02e-05	0.0	7.52e-05
2716	80	0.18	-0.73	-1.38	-2.08e-05	0.0	-1.77e-04
2716	88	0.16	-1.15	-1.15	-6.56e-05	0.0	-2.88e-04
2716	98	0.14	-0.07	-1.31	3.08e-05	0.0	-8.38e-06
2716	105	0.14	-0.28	-1.22	9.28e-06	0.0	-6.40e-05
2716	107	0.14	-0.06	-1.26	2.90e-05	0.0	-8.07e-06
2716	112	11.38	6.80	-3.02	1.09e-04	0.0	-2.69e-04
2716	136	6.55	8.52	-3.62	-1.02e-03	0.0	1.24e-05
2716	139	-6.27	-8.65	1.09	1.08e-03	0.0	-2.86e-05
2716	144	12.81	7.67	-3.25	1.18e-04	0.0	-3.02e-04
2716	168	7.39	9.60	-3.92	-1.15e-03	0.0	1.48e-05
2716	171	-7.12	-9.73	1.39	1.21e-03	0.0	-3.10e-05
2716	176	12.91	7.60	-3.21	9.93e-05	0.0	-2.95e-04
2716	200	7.60	9.60	-3.91	-1.13e-03	0.0	1.06e-05
2716	203	-7.33	-9.73	1.38	1.19e-03	0.0	-2.68e-05
2716	216	15.46	9.53	-3.70	-7.97e-04	0.0	-3.83e-04
2716	232	9.10	11.30	-4.36	-1.33e-03	0.0	1.11e-05
2716	235	-8.83	-11.43	1.84	1.39e-03	0.0	-2.72e-05
2717	4	0.23	0.62	-2.23	1.84e-05	0.0	1.06e-04
2717	28	0.26	-0.94	-1.84	5.48e-05	0.0	-2.47e-04
2717	44	0.23	-1.47	-1.49	4.45e-05	0.0	-4.01e-04
2717	68	0.16	0.41	-1.58	1.39e-05	0.0	7.01e-05
2717	80	0.18	-0.63	-1.32	3.82e-05	0.0	-1.65e-04
2717	88	0.16	-0.99	-1.09	3.13e-05	0.0	-2.68e-04
2717	98	0.14	-0.06	-1.26	3.28e-05	0.0	-7.63e-06
2717	105	0.14	-0.24	-1.16	3.02e-05	0.0	-5.94e-05
2717	107	0.14	-0.06	-1.21	3.10e-05	0.0	-7.33e-06
2717	112	11.38	6.97	-0.88	1.74e-04	0.0	-2.76e-04
2717	136	6.55	8.59	-3.51	-1.07e-03	0.0	1.34e-05
2717	139	-6.28	-8.71	1.10	1.13e-03	0.0	-2.81e-05
2717	144	12.82	7.86	-0.84	1.92e-04	0.0	-3.10e-04
2717	168	7.39	9.68	-3.80	-1.21e-03	0.0	1.59e-05
2717	171	-7.12	-9.80	1.39	1.27e-03	0.0	-3.05e-05
2717	176	12.92	7.79	-0.88	1.74e-04	0.0	-3.03e-04
2717	200	7.61	9.68	-3.78	-1.19e-03	0.0	1.18e-05
2717	203	-7.33	-9.80	1.36	1.26e-03	0.0	-2.65e-05
2717	216	15.47	9.77	-3.26	-9.27e-04	0.0	-3.93e-04
2717	232	9.10	11.39	-4.21	-1.40e-03	0.0	1.24e-05
2717	235	-8.83	-11.51	1.79	1.46e-03	0.0	-2.71e-05
2718	4	0.25	0.64	-2.32	1.03e-04	0.0	6.66e-05
2718	28	0.27	-1.05	-1.93	-9.40e-05	0.0	-1.60e-04
2718	44	0.23	-1.62	-1.58	-2.09e-04	0.0	-2.59e-04
2718	68	0.18	0.42	-1.65	7.04e-05	0.0	4.40e-05
2718	80	0.19	-0.70	-1.39	-6.06e-05	0.0	-1.07e-04
2718	88	0.16	-1.08	-1.15	-1.37e-04	0.0	-1.73e-04
2718	98	0.15	-0.09	-1.32	3.71e-05	0.0	-6.11e-06
2718	105	0.14	-0.28	-1.22	0.0	0.0	-3.92e-05
2718	107	0.14	-0.08	-1.27	3.52e-05	0.0	-5.84e-06
2718	112	12.05	7.07	-3.01	1.09e-04	0.0	-4.34e-04
2718	136	6.92	9.00	-3.62	-9.89e-04	0.0	-2.73e-04
2718	139	-6.64	-9.16	1.09	1.06e-03	0.0	2.62e-04
2718	144	13.57	7.97	-3.24	1.18e-04	0.0	-4.88e-04
2718	168	7.82	10.15	-3.92	-1.12e-03	0.0	-3.08e-04
2718	171	-7.53	-10.32	1.39	1.19e-03	0.0	2.96e-04
2718	176	13.67	7.89	-3.20	9.98e-05	0.0	-4.80e-04
2718	200	8.04	10.14	-3.91	-1.10e-03	0.0	-3.08e-04
2718	203	-7.75	-10.31	1.37	1.17e-03	0.0	2.96e-04
2718	216	16.35	9.89	-3.68	-7.67e-04	0.0	-6.15e-04
2718	232	9.62	11.93	-4.36	-1.29e-03	0.0	-3.64e-04
2718	235	-9.33	-12.09	1.83	1.36e-03	0.0	3.53e-04
2719	4	0.26	0.60	-2.23	4.78e-05	0.0	6.23e-05
2719	28	0.28	-0.96	-1.84	2.72e-05	0.0	-1.46e-04
2719	44	0.24	-1.48	-1.50	-9.37e-06	0.0	-2.37e-04
2719	68	0.18	0.40	-1.58	3.41e-05	0.0	4.13e-05
2719	80	0.19	-0.64	-1.32	2.04e-05	0.0	-9.78e-05
2719	88	0.17	-0.99	-1.09	-4.01e-06	0.0	-1.58e-04
2719	98	0.16	-0.08	-1.26	3.95e-05	0.0	-4.74e-06
2719	105	0.15	-0.26	-1.17	2.83e-05	0.0	-3.51e-05
2719	107	0.15	-0.08	-1.21	3.75e-05	0.0	-4.48e-06
2719	112	12.04	7.29	-0.88	1.79e-04	0.0	-4.47e-04
2719	136	6.92	9.10	-3.51	-1.04e-03	0.0	-2.81e-04
2719	139	-6.62	-9.26	1.09	1.11e-03	0.0	2.72e-04
2719	144	13.55	8.22	-0.84	1.97e-04	0.0	-5.03e-04

2719	168	7.81	10.27	-3.80	-1.18e-03	0.0	-3.16e-04
2719	171	-7.51	-10.42	1.38	1.25e-03	0.0	3.07e-04
2719	176	13.66	8.14	-0.88	1.80e-04	0.0	-4.96e-04
2719	200	8.04	10.26	-3.78	-1.16e-03	0.0	-3.17e-04
2719	203	-7.74	-10.41	1.36	1.24e-03	0.0	3.08e-04
2719	216	16.33	10.21	-3.26	-9.05e-04	0.0	-6.35e-04
2719	232	9.61	12.07	-4.21	-1.37e-03	0.0	-3.76e-04
2719	235	-9.32	-12.23	1.79	1.44e-03	0.0	3.67e-04
2720	4	0.33	0.56	-2.33	-2.07e-04	1.68e-04	-3.49e-06
2720	44	0.30	-1.45	-1.59	7.57e-04	1.61e-04	-9.50e-06
2720	52	0.34	-0.19	-2.14	3.64e-05	1.70e-04	-6.86e-06
2720	68	0.23	0.37	-1.65	-1.37e-04	1.23e-04	-2.67e-06
2720	88	0.21	-0.97	-1.16	5.05e-04	1.18e-04	-6.68e-06
2720	92	0.24	-0.13	-1.52	2.47e-05	1.24e-04	-4.92e-06
2720	98	0.20	-0.11	-1.32	1.84e-05	1.12e-04	-4.24e-06
2720	105	0.19	-0.27	-1.23	1.14e-04	1.10e-04	-4.54e-06
2720	107	0.19	-0.10	-1.27	1.71e-05	1.09e-04	-4.11e-06
2720	112	12.46	7.33	-3.00	1.18e-04	6.54e-04	-5.31e-04
2720	136	7.17	9.48	-3.62	-7.63e-04	4.12e-04	-3.35e-04
2720	139	-6.79	-9.68	1.08	7.97e-04	-1.93e-04	3.26e-04
2720	144	14.02	8.27	-3.22	1.31e-04	7.24e-04	-5.97e-04
2720	168	8.09	10.69	-3.92	-8.61e-04	4.51e-04	-3.77e-04
2720	171	-7.71	-10.89	1.37	8.95e-04	-2.33e-04	3.69e-04
2720	176	14.13	8.18	-3.18	1.20e-04	7.27e-04	-5.90e-04
2720	200	8.32	10.67	-3.90	-8.51e-04	4.60e-04	-3.80e-04
2720	203	-7.94	-10.88	1.36	8.85e-04	-2.42e-04	3.72e-04
2720	216	16.88	10.25	-3.66	-6.70e-04	8.20e-04	-7.58e-04
2720	232	9.95	12.55	-4.36	-9.98e-04	5.30e-04	-4.52e-04
2720	235	-9.57	-12.76	1.81	1.03e-03	-3.11e-04	4.43e-04
2721	4	0.33	0.57	-2.24	-1.19e-04	1.83e-04	0.0
2721	44	0.30	-1.44	-1.50	3.91e-04	1.76e-04	-1.21e-05
2721	52	0.34	-0.18	-2.04	2.00e-05	1.85e-04	-5.22e-06
2721	68	0.23	0.37	-1.58	-7.95e-05	1.35e-04	0.0
2721	88	0.21	-0.97	-1.09	2.60e-04	1.30e-04	-8.32e-06
2721	92	0.24	-0.13	-1.45	1.29e-05	1.36e-04	-3.75e-06
2721	98	0.20	-0.10	-1.26	7.89e-06	1.24e-04	-3.20e-06
2721	105	0.19	-0.27	-1.17	5.69e-05	1.22e-04	-4.07e-06
2721	107	0.19	-0.10	-1.21	6.87e-06	1.21e-04	-3.10e-06
2721	112	12.46	7.61	-0.89	1.17e-04	6.63e-04	-5.28e-04
2721	136	7.17	9.61	-3.51	-7.02e-04	4.22e-04	-3.33e-04
2721	139	-6.79	-9.80	1.09	7.15e-04	-1.79e-04	3.27e-04
2721	144	14.02	8.58	-0.85	1.31e-04	7.32e-04	-5.95e-04
2721	168	8.09	10.84	-3.80	-7.91e-04	4.61e-04	-3.76e-04
2721	171	-7.71	-11.04	1.38	8.04e-04	-2.18e-04	3.69e-04
2721	176	14.13	8.49	-0.88	1.20e-04	7.35e-04	-5.87e-04
2721	200	8.32	10.83	-3.78	-7.83e-04	4.70e-04	-3.78e-04
2721	203	-7.94	-11.02	1.35	7.97e-04	-2.27e-04	3.72e-04
2721	216	16.88	10.66	-3.26	-6.43e-04	8.27e-04	-7.55e-04
2721	232	9.95	12.74	-4.21	-9.17e-04	5.39e-04	-4.49e-04
2721	235	-9.57	-12.94	1.79	9.31e-04	-2.97e-04	4.43e-04
2722	4	0.23	0.56	-2.11	-1.87e-05	6.60e-05	8.11e-05
2722	28	0.26	-0.80	-1.72	1.37e-04	6.20e-05	-1.75e-04
2722	44	0.23	-1.24	-1.37	1.79e-04	5.03e-05	-2.88e-04
2722	68	0.16	0.37	-1.49	-1.06e-05	4.53e-05	5.40e-05
2722	80	0.18	-0.53	-1.23	9.31e-05	4.27e-05	-1.17e-04
2722	88	0.16	-0.83	-1.00	1.22e-04	3.48e-05	-1.92e-04
2722	98	0.14	-0.06	-1.17	3.47e-05	3.48e-05	-2.68e-06
2722	105	0.14	-0.21	-1.08	4.98e-05	3.19e-05	-4.02e-05
2722	107	0.14	-0.06	-1.13	3.29e-05	3.26e-05	-2.47e-06
2722	112	11.39	7.15	-0.94	-7.81e-04	1.27e-03	-3.78e-04
2722	134	0.57	5.56	-3.43	-8.06e-04	7.25e-05	-2.86e-05
2722	139	-6.28	-8.77	0.69	1.19e-03	-6.60e-04	2.29e-04
2722	144	12.82	8.06	-0.91	-8.84e-04	1.43e-03	-4.25e-04
2722	166	0.63	6.27	-3.72	-9.11e-04	7.89e-05	-3.21e-05
2722	171	-7.12	-9.88	0.92	1.33e-03	-7.51e-04	2.59e-04
2722	176	12.92	7.99	-0.96	-8.61e-04	1.44e-03	-4.18e-04
2722	202	0.72	6.14	-3.68	-8.97e-04	9.91e-05	-2.46e-05
2722	203	-7.34	-9.88	0.91	1.32e-03	-7.74e-04	2.58e-04
2722	216	15.47	10.03	-0.93	-1.07e-03	1.68e-03	-5.29e-04
2722	234	0.77	7.13	-4.10	-1.05e-03	1.04e-04	-2.59e-05
2722	235	-8.83	-11.61	1.24	1.54e-03	-9.36e-04	3.07e-04
2723	4	0.26	0.57	-2.11	-5.11e-06	9.09e-05	5.59e-05
2723	28	0.28	-0.87	-1.72	1.43e-04	8.93e-05	-9.23e-05
2723	44	0.25	-1.34	-1.38	1.82e-04	7.81e-05	-1.57e-04
2723	68	0.18	0.37	-1.49	-1.04e-06	6.43e-05	3.82e-05

2723	80	0.19	-0.58	-1.23	9.78e-05	6.32e-05	-6.06e-05
2723	88	0.17	-0.89	-1.00	1.23e-04	5.58e-05	-1.04e-04
2723	98	0.16	-0.08	-1.17	4.14e-05	5.39e-05	5.34e-06
2723	105	0.15	-0.24	-1.08	5.52e-05	5.13e-05	-1.62e-05
2723	107	0.15	-0.07	-1.13	3.93e-05	5.16e-05	5.50e-06
2723	112	12.03	7.53	-0.94	-7.56e-04	1.09e-03	-5.15e-04
2723	134	0.60	5.96	-3.42	-7.81e-04	8.38e-05	-2.94e-05
2723	139	-6.62	-9.36	1.16	1.17e-03	-5.24e-04	3.26e-04
2723	144	13.55	8.49	-0.91	-8.56e-04	1.22e-03	-5.81e-04
2723	166	0.67	6.72	-3.71	-8.84e-04	8.90e-05	-3.43e-05
2723	171	-7.50	-10.54	1.45	1.31e-03	-5.99e-04	3.68e-04
2723	176	13.65	8.40	-0.96	-8.34e-04	1.22e-03	-5.75e-04
2723	200	8.03	10.39	-3.67	-1.22e-03	7.21e-04	-3.60e-04
2723	203	-7.73	-10.53	1.41	1.30e-03	-6.18e-04	3.71e-04
2723	216	16.32	10.55	-2.93	-1.04e-03	1.42e-03	-7.37e-04
2723	232	9.61	12.22	-4.09	-1.44e-03	8.55e-04	-4.31e-04
2723	235	-9.31	-12.37	1.83	1.52e-03	-7.52e-04	4.42e-04
2724	4	0.33	0.57	-2.12	-3.30e-04	1.47e-04	-4.42e-06
2724	44	0.30	-1.44	-1.39	-1.41e-04	7.39e-05	-1.21e-05
2724	52	0.34	-0.18	-1.93	-2.69e-04	1.33e-04	-7.81e-06
2724	68	0.23	0.37	-1.50	-2.35e-04	1.05e-04	-3.32e-06
2724	88	0.21	-0.96	-1.01	-1.10e-04	5.67e-05	-8.44e-06
2724	92	0.24	-0.13	-1.37	-1.95e-04	9.58e-05	-5.58e-06
2724	98	0.20	-0.10	-1.18	-1.76e-04	8.41e-05	-4.75e-06
2724	105	0.19	-0.27	-1.09	-1.57e-04	7.53e-05	-5.25e-06
2724	107	0.19	-0.10	-1.13	-1.71e-04	8.17e-05	-4.58e-06
2724	112	12.46	7.89	-0.94	-1.16e-04	7.41e-04	-5.26e-04
2724	134	0.65	6.34	-3.41	-9.39e-04	9.91e-05	-4.75e-05
2724	139	-6.79	-9.93	1.14	4.43e-04	-2.83e-04	3.25e-04
2724	144	14.02	8.90	-0.91	-1.09e-04	8.25e-04	-5.92e-04
2724	166	0.72	7.15	-3.69	-1.04e-03	1.02e-04	-5.34e-05
2724	171	-7.71	-11.18	1.43	5.20e-04	-3.31e-04	3.68e-04
2724	176	14.13	8.80	-0.96	-1.26e-04	8.29e-04	-5.84e-04
2724	200	8.32	10.98	-3.66	-8.58e-04	5.07e-04	-3.80e-04
2724	203	-7.94	-11.17	1.39	5.17e-04	-3.43e-04	3.70e-04
2724	216	16.88	11.06	-2.93	-1.27e-04	9.56e-04	-7.54e-04
2724	232	9.95	12.92	-4.07	-9.71e-04	5.92e-04	-4.51e-04
2724	235	-9.57	-13.11	1.81	6.30e-04	-4.29e-04	4.42e-04
2725	4	0.09	0.47	-1.95	0.0	1.27e-04	1.77e-05
2725	44	0.02	-0.86	-1.31	0.0	1.72e-06	-1.01e-04
2725	68	0.06	0.31	-1.37	0.0	8.93e-05	1.09e-05
2725	88	0.02	-0.57	-0.95	0.0	6.07e-06	-6.83e-05
2725	98	0.05	-0.01	-1.09	0.0	6.21e-05	-7.85e-06
2725	105	0.04	-0.12	-1.01	0.0	4.80e-05	-1.98e-05
2725	107	0.05	-0.01	-1.04	0.0	6.00e-05	-7.76e-06
2725	112	9.02	5.53	-0.87	0.0	7.66e-04	-2.11e-04
2725	136	5.17	6.28	-2.87	0.0	4.58e-04	-1.39e-04
2725	139	-5.08	-6.30	0.79	0.0	-3.38e-04	1.23e-04
2725	144	10.16	6.23	-0.85	0.0	8.56e-04	-2.37e-04
2725	168	5.85	7.08	-3.10	0.0	5.10e-04	-1.55e-04
2725	171	-5.75	-7.10	1.02	0.0	-3.90e-04	1.40e-04
2725	176	10.24	6.19	-0.89	0.0	8.61e-04	-2.29e-04
2725	200	6.02	7.10	-3.07	0.0	5.22e-04	-1.52e-04
2725	203	-5.92	-7.12	0.99	0.0	-4.02e-04	1.36e-04
2725	216	12.31	7.76	-2.51	0.0	9.97e-04	-2.83e-04
2725	232	7.21	8.36	-3.41	0.0	6.14e-04	-1.77e-04
2725	235	-7.12	-8.39	1.33	0.0	-4.94e-04	1.62e-04
2726	4	0.02	0.42	-1.97	-5.22e-04	1.18e-04	7.88e-06
2726	28	0.03	-0.47	-1.65	-3.87e-04	6.58e-06	2.64e-06
2726	44	0.03	-0.77	-1.33	-2.97e-04	-5.25e-05	0.0
2726	68	0.01	0.28	-1.39	-3.71e-04	8.19e-05	5.73e-06
2726	80	0.02	-0.32	-1.17	-2.81e-04	7.65e-06	2.24e-06
2726	88	0.02	-0.52	-0.96	-2.21e-04	-3.17e-05	1.07e-06
2726	98	0.01	-0.01	-1.10	-2.86e-04	4.82e-05	3.80e-06
2726	105	0.01	-0.11	-1.02	-2.61e-04	2.95e-05	3.23e-06
2726	107	0.01	-0.01	-1.05	-2.76e-04	4.61e-05	3.79e-06
2726	112	8.67	5.12	-0.88	-2.11e-04	1.08e-03	-4.06e-04
2726	136	4.96	5.67	-2.88	-9.41e-04	6.33e-04	-2.44e-04
2726	139	-4.94	-5.70	0.78	3.89e-04	-5.41e-04	2.52e-04
2726	144	9.78	5.77	-0.86	-2.03e-04	1.21e-03	-4.58e-04
2726	168	5.61	6.40	-3.11	-1.02e-03	7.10e-04	-2.77e-04
2726	171	-5.59	-6.42	1.01	4.72e-04	-6.18e-04	2.84e-04
2726	176	9.85	5.75	-0.90	-2.21e-04	1.22e-03	-4.57e-04
2726	200	5.78	6.42	-3.09	-1.02e-03	7.28e-04	-2.82e-04
2726	203	-5.75	-6.45	0.98	4.69e-04	-6.36e-04	2.90e-04

2726	216	11.86	7.20	-2.53	-2.19e-04	1.42e-03	-5.86e-04
2726	232	6.93	7.57	-3.42	-1.14e-03	8.63e-04	-3.39e-04
2726	235	-6.91	-7.60	1.32	5.92e-04	-7.71e-04	3.46e-04
2727	4	0.16	0.50	-1.94	0.0	1.05e-04	2.32e-05
2727	44	0.02	-0.95	-1.31	0.0	2.29e-05	-1.79e-04
2727	68	0.11	0.33	-1.37	0.0	7.35e-05	1.34e-05
2727	88	0.02	-0.63	-0.95	0.0	1.91e-05	-1.21e-04
2727	98	0.08	-0.02	-1.08	0.0	5.31e-05	-1.78e-05
2727	103	0.08	0.10	-1.07	0.0	5.45e-05	-6.95e-06
2727	105	0.07	-0.14	-1.00	0.0	4.34e-05	-3.83e-05
2727	107	0.08	-0.02	-1.04	0.0	5.10e-05	-1.76e-05
2727	112	9.45	5.94	-0.87	0.0	9.34e-04	1.50e-04
2727	136	5.43	6.88	-2.86	0.0	5.48e-04	8.13e-05
2727	139	-5.27	-6.92	0.79	0.0	-4.47e-04	-1.17e-04
2727	144	10.65	6.69	-0.84	0.0	1.05e-03	1.71e-04
2727	168	6.14	7.76	-3.09	0.0	6.14e-04	9.31e-05
2727	171	-5.98	-7.80	1.02	0.0	-5.12e-04	-1.28e-04
2727	176	10.73	6.65	-0.88	0.0	1.05e-03	1.58e-04
2727	200	6.31	7.78	-3.06	0.0	6.29e-04	8.33e-05
2727	203	-6.16	-7.81	0.99	0.0	-5.27e-04	-1.19e-04
2727	216	12.88	8.34	-2.51	0.0	1.22e-03	1.37e-04
2727	232	7.56	9.16	-3.40	0.0	7.44e-04	9.68e-05
2727	235	-7.40	-9.20	1.33	0.0	-6.42e-04	-1.32e-04
2728	4	0.20	0.53	-1.93	0.0	7.93e-05	3.80e-05
2728	44	0.04	-1.04	-1.30	0.0	5.23e-05	-2.04e-04
2728	68	0.14	0.35	-1.36	0.0	5.54e-05	2.38e-05
2728	88	0.04	-0.70	-0.94	0.0	3.74e-05	-1.37e-04
2728	98	0.11	-0.03	-1.08	0.0	4.34e-05	-1.36e-05
2728	103	0.11	0.10	-1.07	0.0	4.21e-05	0.0
2728	105	0.09	-0.16	-1.00	0.0	3.94e-05	-3.81e-05
2728	107	0.10	-0.03	-1.03	0.0	4.14e-05	-1.35e-05
2728	112	9.99	6.35	-0.86	0.0	1.09e-03	1.78e-04
2728	136	5.74	7.49	-2.86	0.0	6.34e-04	1.06e-04
2728	139	-5.54	-7.55	0.79	0.0	-5.51e-04	-1.33e-04
2728	144	11.25	7.16	-0.84	0.0	1.23e-03	2.02e-04
2728	168	6.49	8.45	-3.09	0.0	7.11e-04	1.21e-04
2728	171	-6.28	-8.50	1.02	0.0	-6.29e-04	-1.48e-04
2728	176	11.34	7.11	-0.88	0.0	1.24e-03	1.88e-04
2728	200	6.67	8.46	-3.06	0.0	7.30e-04	1.13e-04
2728	203	-6.47	-8.51	0.99	0.0	-6.47e-04	-1.39e-04
2728	216	13.59	8.92	-2.51	0.0	1.44e-03	2.08e-04
2728	232	7.99	9.96	-3.40	0.0	8.66e-04	1.32e-04
2728	235	-7.79	-10.01	1.33	0.0	-7.84e-04	-1.59e-04
2729	4	0.24	0.55	-1.93	0.0	6.26e-05	4.60e-05
2729	44	0.08	-1.14	-1.30	0.0	8.75e-05	-1.86e-04
2729	68	0.17	0.36	-1.36	0.0	4.37e-05	3.01e-05
2729	88	0.06	-0.76	-0.94	0.0	6.04e-05	-1.25e-04
2729	98	0.13	-0.04	-1.08	0.0	3.96e-05	-5.96e-06
2729	105	0.11	-0.18	-1.00	0.0	4.10e-05	-2.96e-05
2729	107	0.12	-0.04	-1.03	0.0	3.75e-05	-5.85e-06
2729	112	10.61	6.77	-0.86	0.0	1.16e-03	2.93e-04
2729	136	6.10	8.09	-2.86	0.0	6.69e-04	-1.86e-04
2729	139	-5.86	-8.18	0.79	0.0	-5.94e-04	1.74e-04
2729	144	11.95	7.63	-0.84	0.0	1.31e-03	-3.29e-04
2729	168	6.89	9.13	-3.09	0.0	7.51e-04	-2.09e-04
2729	171	-6.65	-9.21	1.02	0.0	-6.76e-04	1.97e-04
2729	176	12.04	7.56	-0.88	0.0	1.32e-03	-3.19e-04
2729	200	7.09	9.13	-3.06	0.0	7.71e-04	-2.05e-04
2729	203	-6.84	-9.22	0.99	0.0	-6.96e-04	1.93e-04
2729	216	14.41	9.49	-2.51	0.0	1.53e-03	-3.92e-04
2729	232	8.48	10.75	-3.40	0.0	9.17e-04	-2.40e-04
2729	235	-8.24	-10.83	1.33	0.0	-8.42e-04	2.29e-04
2730	4	0.09	0.47	-1.64	0.0	1.25e-04	1.31e-06
2730	44	-8.63e-03	-0.86	-1.14	0.0	-4.12e-05	-3.65e-05
2730	68	0.06	0.31	-1.15	0.0	8.72e-05	0.0
2730	88	-3.05e-03	-0.57	-0.82	0.0	-2.35e-05	-2.51e-05
2730	98	0.05	-0.01	-0.92	0.0	5.39e-05	-6.15e-06
2730	103	0.05	0.10	-0.91	0.0	5.97e-05	-3.89e-06
2730	105	0.03	-0.12	-0.85	0.0	3.57e-05	-9.85e-06
2730	107	0.04	-0.01	-0.88	0.0	5.19e-05	-6.08e-06
2730	112	8.93	5.53	-0.74	0.0	9.37e-04	-2.64e-04
2730	136	5.12	6.28	-2.23	0.0	5.52e-04	-1.72e-04
2730	139	-5.03	-6.30	0.47	0.0	-4.49e-04	1.59e-04
2730	144	10.07	6.23	-0.72	0.0	1.05e-03	-2.96e-04
2730	168	5.79	7.08	-2.39	0.0	6.18e-04	-1.93e-04

2730	171	-5.70	-7.10	0.64	0.0	-5.14e-04	1.81e-04
2730	176	10.14	6.19	-0.75	0.0	1.06e-03	-2.90e-04
2730	200	5.95	7.10	-2.38	0.0	6.34e-04	-1.92e-04
2730	203	-5.87	-7.12	0.62	0.0	-5.30e-04	1.80e-04
2730	216	12.17	7.76	-1.99	0.0	1.23e-03	-3.69e-04
2730	232	7.14	8.36	-2.63	0.0	7.49e-04	-2.27e-04
2730	235	-7.05	-8.39	0.87	0.0	-6.46e-04	2.15e-04
2731	4	0.02	0.42	-1.64	-5.79e-04	1.18e-04	6.41e-06
2731	28	0.03	-0.47	-1.39	-4.50e-04	6.58e-06	1.66e-06
2731	44	0.03	-0.77	-1.13	-3.53e-04	-5.25e-05	0.0
2731	68	0.01	0.28	-1.15	-4.10e-04	8.19e-05	4.64e-06
2731	80	0.02	-0.32	-0.99	-3.24e-04	7.65e-06	1.47e-06
2731	88	0.02	-0.51	-0.82	-2.59e-04	-3.17e-05	0.0
2731	98	0.02	-0.01	-0.92	-3.20e-04	4.82e-05	2.89e-06
2731	105	0.02	-0.11	-0.85	-2.93e-04	2.95e-05	2.38e-06
2731	107	0.02	-0.01	-0.88	-3.08e-04	4.61e-05	2.88e-06
2731	112	8.46	5.12	-0.74	-2.45e-04	1.08e-03	-4.13e-04
2731	136	4.84	5.67	-2.22	-9.43e-04	6.33e-04	-2.49e-04
2731	139	-4.81	-5.69	0.47	3.28e-04	-5.41e-04	2.55e-04
2731	144	9.53	5.77	-0.72	-2.37e-04	1.21e-03	-4.65e-04
2731	168	5.47	6.39	-2.39	-1.02e-03	7.10e-04	-2.82e-04
2731	171	-5.44	-6.42	0.64	4.08e-04	-6.18e-04	2.88e-04
2731	176	9.61	5.74	-0.74	-2.54e-04	1.22e-03	-4.65e-04
2731	200	5.63	6.42	-2.37	-1.02e-03	7.28e-04	-2.87e-04
2731	203	-5.60	-6.44	0.62	4.04e-04	-6.36e-04	2.93e-04
2731	216	11.54	7.19	-1.99	-2.51e-04	1.42e-03	-5.96e-04
2731	232	6.75	7.57	-2.62	-1.14e-03	8.63e-04	-3.45e-04
2731	235	-6.72	-7.59	0.87	5.22e-04	-7.71e-04	3.51e-04
2732	4	0.16	0.50	-1.64	0.0	1.08e-04	0.0
2732	18	0.16	0.86	-1.55	0.0	1.14e-04	1.00e-05
2732	44	-0.03	-0.95	-1.14	0.0	-3.68e-06	-6.13e-05
2732	68	0.11	0.33	-1.16	0.0	7.57e-05	-1.75e-06
2732	75	0.11	0.57	-1.09	0.0	7.96e-05	5.37e-06
2732	88	-0.01	-0.63	-0.82	0.0	1.06e-06	-4.22e-05
2732	98	0.07	-0.02	-0.92	0.0	5.07e-05	-1.14e-05
2732	103	0.08	0.10	-0.91	0.0	5.37e-05	-7.89e-06
2732	105	0.05	-0.14	-0.85	0.0	3.80e-05	-1.74e-05
2732	107	0.07	-0.02	-0.88	0.0	4.86e-05	-1.13e-05
2732	112	9.43	5.94	-0.74	0.0	9.77e-04	1.41e-04
2732	136	5.41	6.88	-2.23	0.0	5.72e-04	-1.48e-04
2732	139	-5.27	-6.92	0.47	0.0	-4.75e-04	1.25e-04
2732	144	10.62	6.69	-0.72	0.0	1.09e-03	1.60e-04
2732	168	6.11	7.76	-2.40	0.0	6.40e-04	-1.65e-04
2732	171	-5.97	-7.80	0.64	0.0	-5.43e-04	1.42e-04
2732	176	10.70	6.65	-0.75	0.0	1.10e-03	1.51e-04
2732	200	6.29	7.78	-2.38	0.0	6.57e-04	-1.59e-04
2732	203	-6.15	-7.81	0.62	0.0	-5.59e-04	1.36e-04
2732	216	12.83	8.34	-2.00	0.0	1.28e-03	-2.67e-04
2732	232	7.53	9.16	-2.63	0.0	7.77e-04	-1.83e-04
2732	235	-7.39	-9.20	0.87	0.0	-6.80e-04	1.61e-04
2733	4	0.21	0.53	-1.65	0.0	8.73e-05	4.72e-06
2733	18	0.21	0.92	-1.55	0.0	8.18e-05	1.76e-05
2733	44	-0.02	-1.04	-1.14	0.0	4.90e-05	-7.05e-05
2733	68	0.15	0.35	-1.16	0.0	6.13e-05	2.00e-06
2733	75	0.15	0.61	-1.10	0.0	5.76e-05	1.06e-05
2733	88	-5.28e-03	-0.70	-0.82	0.0	3.57e-05	-4.81e-05
2733	98	0.10	-0.03	-0.92	0.0	4.75e-05	-9.88e-06
2733	103	0.10	0.10	-0.91	0.0	4.67e-05	-5.64e-06
2733	105	0.07	-0.16	-0.86	0.0	4.24e-05	-1.74e-05
2733	107	0.09	-0.03	-0.88	0.0	4.54e-05	-9.78e-06
2733	112	9.95	6.35	-0.74	0.0	1.02e-03	1.65e-04
2733	136	5.71	7.49	-2.24	0.0	5.90e-04	-1.64e-04
2733	139	-5.52	-7.55	0.47	0.0	-4.99e-04	1.44e-04
2733	144	11.20	7.16	-0.73	0.0	1.14e-03	1.87e-04
2733	168	6.45	8.45	-2.41	0.0	6.61e-04	-1.83e-04
2733	171	-6.26	-8.50	0.64	0.0	-5.70e-04	1.63e-04
2733	176	11.29	7.11	-0.75	0.0	1.15e-03	1.77e-04
2733	200	6.64	8.46	-2.39	0.0	6.78e-04	-1.77e-04
2733	203	-6.45	-8.51	0.62	0.0	-5.87e-04	1.58e-04
2733	216	13.51	8.92	-2.00	0.0	1.32e-03	-3.05e-04
2733	232	7.95	9.96	-2.64	0.0	8.03e-04	-2.05e-04
2733	235	-7.76	-10.01	0.87	0.0	-7.12e-04	1.86e-04
2734	4	0.25	0.55	-1.65	0.0	6.84e-05	1.16e-05
2734	18	0.25	0.97	-1.56	0.0	5.09e-05	2.43e-05
2734	44	0.02	-1.14	-1.15	0.0	1.06e-04	-6.34e-05

2734	68	0.17	0.36	-1.16	0.0	4.84e-05	7.19e-06
2734	75	0.17	0.65	-1.10	0.0	3.68e-05	1.57e-05
2734	88	0.02	-0.76	-0.83	0.0	7.37e-05	-4.28e-05
2734	98	0.12	-0.04	-0.93	0.0	4.63e-05	-4.70e-06
2734	103	0.13	0.10	-0.91	0.0	4.15e-05	0.0
2734	105	0.10	-0.18	-0.86	0.0	4.89e-05	-1.22e-05
2734	107	0.12	-0.04	-0.89	0.0	4.41e-05	-4.62e-06
2734	112	10.49	6.77	-0.75	0.0	1.03e-03	-3.18e-04
2734	136	6.03	8.09	-2.24	0.0	5.95e-04	-2.07e-04
2734	139	-5.79	-8.18	0.47	0.0	-5.06e-04	1.98e-04
2734	144	11.81	7.63	-0.73	0.0	1.16e-03	-3.58e-04
2734	168	6.80	9.13	-2.41	0.0	6.67e-04	-2.33e-04
2734	171	-6.57	-9.21	0.64	0.0	-5.78e-04	2.24e-04
2734	176	11.90	7.56	-0.76	0.0	1.16e-03	-3.48e-04
2734	200	7.00	9.13	-2.39	0.0	6.83e-04	-2.30e-04
2734	203	-6.76	-9.22	0.62	0.0	-5.95e-04	2.21e-04
2734	216	14.21	9.49	-2.01	0.0	1.33e-03	-4.34e-04
2734	232	8.37	10.75	-2.65	0.0	8.09e-04	-2.71e-04
2734	235	-8.14	-10.83	0.87	0.0	-7.21e-04	2.62e-04
2735	4	0.09	0.46	-1.18	0.0	1.17e-04	-6.92e-06
2735	44	-0.01	-0.85	-0.83	0.0	-4.37e-05	3.07e-06
2735	68	0.06	0.31	-0.83	0.0	8.13e-05	-5.04e-06
2735	88	-5.72e-03	-0.57	-0.60	0.0	-2.58e-05	1.62e-06
2735	98	0.04	-0.01	-0.66	0.0	4.91e-05	-3.91e-06
2735	103	0.04	0.10	-0.65	0.0	5.46e-05	-4.14e-06
2735	105	0.03	-0.12	-0.61	0.0	3.14e-05	-2.73e-06
2735	107	0.04	-0.01	-0.63	0.0	4.70e-05	-3.85e-06
2735	112	8.79	5.53	-0.51	0.0	1.05e-03	-3.35e-04
2735	136	5.03	6.28	-1.47	0.0	6.14e-04	-2.13e-04
2735	139	-4.95	-6.30	0.21	0.0	-5.20e-04	2.05e-04
2735	144	9.91	6.23	-0.50	0.0	1.17e-03	-3.77e-04
2735	168	5.69	7.08	-1.58	0.0	6.88e-04	-2.40e-04
2735	171	-5.61	-7.10	0.32	0.0	-5.94e-04	2.32e-04
2735	176	9.98	6.19	-0.51	0.0	1.18e-03	-3.73e-04
2735	200	5.85	7.10	-1.57	0.0	7.05e-04	-2.42e-04
2735	203	-5.77	-7.12	0.31	0.0	-6.11e-04	2.35e-04
2735	216	11.95	7.76	-1.38	0.0	1.38e-03	-4.82e-04
2735	232	7.02	8.36	-1.73	0.0	8.35e-04	-2.88e-04
2735	235	-6.93	-8.39	0.47	0.0	-7.41e-04	2.81e-04
2736	4	0.15	0.50	-1.23	0.0	1.06e-04	-1.20e-05
2736	18	0.16	0.86	-1.15	0.0	1.12e-04	-1.35e-05
2736	44	-0.03	-0.95	-0.87	0.0	-5.22e-06	4.63e-06
2736	68	0.10	0.33	-0.86	0.0	7.39e-05	-8.76e-06
2736	75	0.11	0.57	-0.81	0.0	7.78e-05	-9.77e-06
2736	88	-0.02	-0.63	-0.62	0.0	0.0	2.34e-06
2736	98	0.07	-0.02	-0.69	0.0	4.91e-05	-6.54e-06
2736	103	0.07	0.10	-0.68	0.0	5.21e-05	-7.08e-06
2736	105	0.05	-0.14	-0.64	0.0	3.65e-05	-4.66e-06
2736	107	0.07	-0.02	-0.66	0.0	4.71e-05	-6.46e-06
2736	112	9.33	5.94	-0.54	0.0	1.02e-03	-2.95e-04
2736	136	5.35	6.88	-1.52	0.0	5.95e-04	-1.96e-04
2736	139	-5.22	-6.92	0.21	0.0	-5.01e-04	1.83e-04
2736	144	10.51	6.69	-0.53	0.0	1.14e-03	-3.31e-04
2736	168	6.04	7.76	-1.63	0.0	6.67e-04	-2.20e-04
2736	171	-5.91	-7.80	0.31	0.0	-5.73e-04	2.07e-04
2736	176	10.59	6.65	-0.54	0.0	1.15e-03	-3.24e-04
2736	200	6.22	7.78	-1.62	0.0	6.83e-04	-2.19e-04
2736	203	-6.09	-7.81	0.30	0.0	-5.89e-04	2.06e-04
2736	216	12.66	8.34	-1.41	0.0	1.33e-03	-4.13e-04
2736	232	7.45	9.16	-1.78	0.0	8.09e-04	-2.59e-04
2736	235	-7.31	-9.20	0.47	0.0	-7.15e-04	2.46e-04
2737	4	0.20	0.52	-1.26	0.0	8.99e-05	-1.21e-05
2737	18	0.21	0.92	-1.18	0.0	8.46e-05	-1.39e-05
2737	44	-0.02	-1.04	-0.89	0.0	4.94e-05	6.61e-06
2737	68	0.14	0.35	-0.89	0.0	6.32e-05	-8.76e-06
2737	75	0.15	0.61	-0.83	0.0	5.97e-05	-9.97e-06
2737	88	-8.91e-03	-0.70	-0.64	0.0	3.62e-05	3.69e-06
2737	98	0.10	-0.03	-0.71	0.0	4.91e-05	-6.22e-06
2737	103	0.10	0.10	-0.70	0.0	4.84e-05	-6.87e-06
2737	105	0.07	-0.16	-0.66	0.0	4.37e-05	-4.13e-06
2737	107	0.09	-0.03	-0.68	0.0	4.70e-05	-6.15e-06
2737	112	9.85	6.35	-0.57	0.0	9.89e-04	-3.06e-04
2737	136	5.65	7.49	-1.56	0.0	5.75e-04	-2.05e-04
2737	139	-5.47	-7.55	0.20	0.0	-4.81e-04	1.93e-04
2737	144	11.10	7.16	-0.55	0.0	1.11e-03	-3.43e-04

2737	168	6.38	8.45	-1.67	0.0	6.44e-04	-2.31e-04
2737	171	-6.20	-8.50	0.32	0.0	-5.50e-04	2.18e-04
2737	176	11.18	7.11	-0.57	0.0	1.11e-03	-3.34e-04
2737	200	6.57	8.46	-1.66	0.0	6.60e-04	-2.29e-04
2737	203	-6.39	-8.51	0.30	0.0	-5.66e-04	2.16e-04
2737	216	13.34	8.92	-1.44	0.0	1.28e-03	-4.24e-04
2737	232	7.86	9.96	-1.82	0.0	7.81e-04	-2.69e-04
2737	235	-7.68	-10.01	0.47	0.0	-6.87e-04	2.57e-04
2738	4	0.25	0.55	-1.29	0.0	7.27e-05	-8.52e-06
2738	18	0.25	0.97	-1.21	0.0	5.56e-05	-1.00e-05
2738	44	0.02	-1.14	-0.92	0.0	1.08e-04	7.73e-06
2738	68	0.17	0.36	-0.91	0.0	5.17e-05	-6.11e-06
2738	75	0.17	0.65	-0.85	0.0	4.03e-05	-7.10e-06
2738	88	0.02	-0.76	-0.66	0.0	7.55e-05	4.72e-06
2738	98	0.12	-0.04	-0.72	0.0	4.92e-05	-3.97e-06
2738	103	0.12	0.10	-0.71	0.0	4.46e-05	-4.49e-06
2738	105	0.09	-0.18	-0.67	0.0	5.16e-05	-2.13e-06
2738	107	0.12	-0.04	-0.69	0.0	4.70e-05	-3.91e-06
2738	112	10.36	6.77	-0.59	0.0	9.61e-04	-3.52e-04
2738	136	5.95	8.09	-1.59	0.0	5.56e-04	-2.32e-04
2738	139	-5.72	-8.17	0.20	0.0	-4.61e-04	2.25e-04
2738	144	11.66	7.63	-0.57	0.0	1.08e-03	-3.96e-04
2738	168	6.71	9.13	-1.70	0.0	6.22e-04	-2.62e-04
2738	171	-6.48	-9.21	0.32	0.0	-5.28e-04	2.54e-04
2738	176	11.75	7.56	-0.59	0.0	1.08e-03	-3.87e-04
2738	200	6.90	9.13	-1.69	0.0	6.36e-04	-2.61e-04
2738	203	-6.67	-9.21	0.31	0.0	-5.42e-04	2.53e-04
2738	216	13.99	9.49	-1.46	0.0	1.22e-03	-4.93e-04
2738	232	8.26	10.75	-1.86	0.0	7.52e-04	-3.08e-04
2738	235	-8.03	-10.83	0.47	0.0	-6.58e-04	3.00e-04
2739	4	0.26	0.56	-1.93	0.0	5.79e-05	4.46e-05
2739	44	0.13	-1.24	-1.30	0.0	1.25e-04	-1.38e-04
2739	68	0.18	0.37	-1.36	0.0	4.10e-05	3.01e-05
2739	88	0.10	-0.83	-0.95	0.0	8.57e-05	-9.14e-05
2739	98	0.14	-0.06	-1.08	0.0	4.31e-05	1.76e-06
2739	105	0.13	-0.21	-1.00	0.0	4.88e-05	-1.67e-05
2739	107	0.14	-0.06	-1.03	0.0	4.10e-05	1.85e-06
2739	112	11.20	7.15	-0.86	0.0	1.12e-03	-4.11e-04
2739	136	6.44	8.66	-2.86	0.0	6.43e-04	-2.54e-04
2739	139	-6.16	-8.77	0.79	0.0	-5.61e-04	2.57e-04
2739	144	12.61	8.06	-0.84	0.0	1.26e-03	-4.63e-04
2739	168	7.26	9.77	-3.09	0.0	7.22e-04	-2.87e-04
2739	171	-6.99	-9.88	1.02	0.0	-6.40e-04	2.90e-04
2739	176	12.70	7.99	-0.88	0.0	1.27e-03	-4.56e-04
2739	200	7.47	9.77	-3.06	0.0	7.40e-04	-2.87e-04
2739	203	-7.20	-9.88	0.99	0.0	-6.58e-04	2.91e-04
2739	216	15.18	10.03	-2.51	0.0	1.46e-03	-5.77e-04
2739	232	8.94	11.50	-3.39	0.0	8.79e-04	-3.42e-04
2739	235	-8.66	-11.61	1.33	0.0	-7.97e-04	3.46e-04
2740	4	0.29	0.57	-1.94	0.0	6.18e-05	3.28e-05
2740	44	0.20	-1.34	-1.31	0.0	1.59e-04	-6.84e-05
2740	68	0.20	0.37	-1.37	0.0	4.45e-05	2.29e-05
2740	88	0.15	-0.89	-0.95	0.0	1.09e-04	-4.46e-05
2740	98	0.17	-0.08	-1.08	0.0	5.10e-05	6.99e-06
2740	105	0.15	-0.24	-1.00	0.0	5.97e-05	-3.19e-06
2740	107	0.16	-0.07	-1.04	0.0	4.88e-05	7.06e-06
2740	112	11.73	7.53	-0.87	0.0	1.04e-03	-5.38e-04
2740	136	6.74	9.21	-2.86	0.0	5.98e-04	-3.29e-04
2740	139	-6.42	-9.36	0.78	0.0	-5.00e-04	3.43e-04
2740	144	13.20	8.49	-0.85	0.0	1.17e-03	-6.07e-04
2740	168	7.61	10.39	-3.09	0.0	6.70e-04	-3.73e-04
2740	171	-7.29	-10.54	1.01	0.0	-5.72e-04	3.87e-04
2740	176	13.30	8.40	-0.88	0.0	1.17e-03	-6.02e-04
2740	200	7.82	10.38	-3.06	0.0	6.87e-04	-3.77e-04
2740	203	-7.50	-10.53	0.98	0.0	-5.89e-04	3.91e-04
2740	216	15.86	10.55	-2.51	0.0	1.34e-03	-7.71e-04
2740	232	9.36	12.22	-3.40	0.0	8.13e-04	-4.52e-04
2740	235	-9.04	-12.37	1.32	0.0	-7.16e-04	4.66e-04
2741	4	0.33	0.57	-1.96	-3.57e-04	1.57e-04	-2.51e-06
2741	44	0.30	-1.44	-1.33	-1.70e-04	1.22e-05	-7.39e-06
2741	52	0.34	-0.18	-1.80	-2.98e-04	1.26e-04	-4.82e-06
2741	68	0.23	0.37	-1.38	-2.54e-04	1.11e-04	-1.91e-06
2741	88	0.21	-0.96	-0.96	-1.30e-04	1.47e-05	-5.16e-06
2741	92	0.24	-0.13	-1.28	-2.15e-04	9.09e-05	-3.44e-06
2741	98	0.20	-0.10	-1.09	-1.92e-04	7.91e-05	-2.89e-06

2741	105	0.19	-0.27	-1.01	-1.73e-04	6.28e-05	-3.20e-06
2741	107	0.19	-0.10	-1.05	-1.86e-04	7.66e-05	-2.80e-06
2741	112	12.22	7.89	-0.88	-1.31e-04	7.89e-04	-5.23e-04
2741	136	7.02	9.74	-2.87	-7.92e-04	4.73e-04	-3.35e-04
2741	139	-6.65	-9.93	0.77	4.19e-04	-3.19e-04	3.29e-04
2741	144	13.75	8.90	-0.86	-1.25e-04	8.80e-04	-5.89e-04
2741	168	7.92	10.99	-3.10	-8.68e-04	5.25e-04	-3.78e-04
2741	171	-7.54	-11.18	1.00	4.95e-04	-3.72e-04	3.72e-04
2741	176	13.86	8.80	-0.89	-1.41e-04	8.84e-04	-5.82e-04
2741	200	8.15	10.98	-3.07	-8.64e-04	5.38e-04	-3.80e-04
2741	203	-7.77	-11.17	0.97	4.92e-04	-3.85e-04	3.75e-04
2741	216	16.49	11.06	-2.52	-1.41e-04	1.03e-03	-7.55e-04
2741	232	9.74	12.92	-3.41	-9.76e-04	6.32e-04	-4.53e-04
2741	235	-9.36	-13.11	1.31	6.04e-04	-4.79e-04	4.47e-04
2742	4	0.28	0.56	-1.66	0.0	5.60e-05	1.47e-05
2742	44	0.09	-1.24	-1.16	0.0	1.56e-04	-4.54e-05
2742	68	0.19	0.37	-1.17	0.0	4.03e-05	9.95e-06
2742	88	0.07	-0.83	-0.83	0.0	1.07e-04	-3.02e-05
2742	98	0.15	-0.06	-0.93	0.0	4.75e-05	0.0
2742	105	0.12	-0.21	-0.86	0.0	5.65e-05	-5.67e-06
2742	107	0.14	-0.06	-0.89	0.0	4.53e-05	0.0
2742	112	11.00	7.15	-0.75	0.0	1.01e-03	-4.13e-04
2742	136	6.32	8.66	-2.25	0.0	5.81e-04	-2.61e-04
2742	139	-6.04	-8.77	0.47	0.0	-4.91e-04	2.62e-04
2742	144	12.39	8.06	-0.74	0.0	1.14e-03	-4.65e-04
2742	168	7.13	9.77	-2.42	0.0	6.51e-04	-2.95e-04
2742	171	-6.85	-9.88	0.64	0.0	-5.61e-04	2.96e-04
2742	176	12.48	7.99	-0.76	0.0	1.14e-03	-4.58e-04
2742	200	7.34	9.77	-2.40	0.0	6.67e-04	-2.95e-04
2742	203	-7.06	-9.88	0.62	0.0	-5.76e-04	2.96e-04
2742	216	14.87	10.03	-2.01	0.0	1.29e-03	-5.83e-04
2742	232	8.77	11.50	-2.66	0.0	7.90e-04	-3.51e-04
2742	235	-8.50	-11.61	0.87	0.0	-6.99e-04	3.52e-04
2743	4	0.30	0.57	-1.68	0.0	4.94e-05	1.15e-05
2743	44	0.18	-1.33	-1.17	0.0	1.92e-04	-2.39e-05
2743	68	0.21	0.37	-1.19	0.0	3.60e-05	8.03e-06
2743	88	0.13	-0.89	-0.85	0.0	1.31e-04	-1.55e-05
2743	98	0.17	-0.08	-0.94	0.0	4.96e-05	2.25e-06
2743	105	0.15	-0.24	-0.88	0.0	6.29e-05	-1.20e-06
2743	107	0.16	-0.07	-0.90	0.0	4.74e-05	2.31e-06
2743	112	11.49	7.53	-0.76	0.0	9.87e-04	-4.86e-04
2743	136	6.60	9.21	-2.27	0.0	5.65e-04	-3.06e-04
2743	139	-6.28	-9.36	0.46	0.0	-4.70e-04	3.11e-04
2743	144	12.94	8.49	-0.75	0.0	1.11e-03	-5.48e-04
2743	168	7.45	10.39	-2.44	0.0	6.32e-04	-3.46e-04
2743	171	-7.12	-10.54	0.63	0.0	-5.38e-04	3.51e-04
2743	176	13.04	8.40	-0.77	0.0	1.11e-03	-5.41e-04
2743	200	7.66	10.39	-2.42	0.0	6.47e-04	-3.49e-04
2743	203	-7.34	-10.53	0.61	0.0	-5.52e-04	3.53e-04
2743	216	15.50	10.55	-2.03	0.0	1.25e-03	-6.97e-04
2743	232	9.16	12.22	-2.67	0.0	7.65e-04	-4.16e-04
2743	235	-8.83	-12.37	0.86	0.0	-6.70e-04	4.20e-04
2744	4	0.32	0.57	-1.73	-3.89e-04	1.63e-04	-2.46e-06
2744	44	0.29	-1.44	-1.21	-2.05e-04	-3.45e-05	-5.70e-06
2744	52	0.34	-0.18	-1.60	-3.32e-04	1.20e-04	-4.33e-06
2744	68	0.23	0.37	-1.22	-2.76e-04	1.15e-04	-1.83e-06
2744	88	0.21	-0.96	-0.87	-1.54e-04	-1.71e-05	-3.99e-06
2744	92	0.24	-0.13	-1.13	-2.39e-04	8.61e-05	-3.08e-06
2744	98	0.20	-0.10	-0.97	-2.11e-04	7.43e-05	-2.54e-06
2744	105	0.19	-0.27	-0.90	-1.91e-04	5.26e-05	-2.69e-06
2744	107	0.19	-0.10	-0.93	-2.04e-04	7.17e-05	-2.45e-06
2744	112	11.97	7.89	-0.79	-1.48e-04	8.18e-04	-5.25e-04
2744	136	6.88	9.74	-2.29	-7.75e-04	4.90e-04	-3.36e-04
2744	139	-6.50	-9.93	0.44	3.66e-04	-3.46e-04	3.31e-04
2744	144	13.48	8.90	-0.77	-1.41e-04	9.13e-04	-5.91e-04
2744	168	7.75	10.99	-2.46	-8.46e-04	5.45e-04	-3.79e-04
2744	171	-7.38	-11.18	0.61	4.38e-04	-4.01e-04	3.74e-04
2744	176	13.58	8.80	-0.80	-1.56e-04	9.17e-04	-5.83e-04
2744	200	7.98	10.98	-2.44	-8.43e-04	5.60e-04	-3.82e-04
2744	203	-7.60	-11.17	0.59	4.35e-04	-4.16e-04	3.77e-04
2744	216	16.10	11.06	-2.05	-1.51e-04	1.09e-03	-7.58e-04
2744	232	9.53	12.92	-2.70	-9.48e-04	6.58e-04	-4.54e-04
2744	235	-9.16	-13.12	0.84	5.40e-04	-5.15e-04	4.49e-04
2745	4	0.28	0.56	-1.32	0.0	5.87e-05	-4.48e-06
2745	44	0.09	-1.24	-0.94	0.0	1.57e-04	6.74e-06

2745	68	0.19	0.37	-0.93	0.0	4.23e-05	-3.13e-06
2745	88	0.07	-0.83	-0.68	0.0	1.08e-04	4.35e-06
2745	98	0.15	-0.06	-0.74	0.0	4.93e-05	-1.76e-06
2745	105	0.12	-0.21	-0.69	0.0	5.82e-05	0.0
2745	107	0.14	-0.06	-0.71	0.0	4.72e-05	-1.70e-06
2745	112	10.82	7.15	-0.60	0.0	9.40e-04	-4.11e-04
2745	136	6.21	8.66	-1.62	0.0	5.39e-04	-2.67e-04
2745	139	-5.94	-8.77	0.20	0.0	-4.45e-04	2.63e-04
2745	144	12.19	8.06	-0.59	0.0	1.05e-03	-4.63e-04
2745	168	7.01	9.77	-1.74	0.0	6.03e-04	-3.01e-04
2745	171	-6.74	-9.88	0.31	0.0	-5.09e-04	2.98e-04
2745	176	12.28	7.99	-0.61	0.0	1.06e-03	-4.55e-04
2745	200	7.21	9.77	-1.73	0.0	6.16e-04	-3.01e-04
2745	203	-6.93	-9.88	0.30	0.0	-5.22e-04	2.98e-04
2745	216	14.59	10.03	-1.49	0.0	1.18e-03	-5.85e-04
2745	232	8.62	11.50	-1.90	0.0	7.28e-04	-3.58e-04
2745	235	-8.35	-11.61	0.47	0.0	-6.34e-04	3.54e-04
2746	4	0.30	0.57	-1.37	0.0	4.89e-05	-2.00e-06
2746	44	0.18	-1.33	-0.98	0.0	1.91e-04	2.45e-06
2746	68	0.21	0.37	-0.96	0.0	3.57e-05	-1.36e-06
2746	88	0.13	-0.89	-0.71	0.0	1.30e-04	1.61e-06
2746	98	0.17	-0.08	-0.77	0.0	4.94e-05	0.0
2746	105	0.15	-0.24	-0.72	0.0	6.26e-05	0.0
2746	107	0.16	-0.07	-0.74	0.0	4.71e-05	0.0
2746	112	11.28	7.53	-0.63	0.0	9.24e-04	-4.70e-04
2746	136	6.48	9.21	-1.66	0.0	5.26e-04	-3.02e-04
2746	139	-6.15	-9.36	0.19	0.0	-4.32e-04	3.00e-04
2746	144	12.70	8.49	-0.62	0.0	1.04e-03	-5.30e-04
2746	168	7.30	10.39	-1.78	0.0	5.89e-04	-3.41e-04
2746	171	-6.98	-10.54	0.30	0.0	-4.94e-04	3.39e-04
2746	176	12.80	8.40	-0.63	0.0	1.04e-03	-5.22e-04
2746	200	7.51	10.39	-1.77	0.0	6.01e-04	-3.43e-04
2746	203	-7.19	-10.53	0.29	0.0	-5.07e-04	3.41e-04
2746	216	15.16	10.55	-1.52	0.0	1.14e-03	-6.76e-04
2746	232	8.98	12.22	-1.94	0.0	7.10e-04	-4.08e-04
2746	235	-8.65	-12.37	0.47	0.0	-6.16e-04	4.06e-04
2747	4	0.32	0.57	-1.45	-3.92e-04	1.60e-04	-2.46e-06
2747	44	0.29	-1.44	-1.05	-2.20e-04	-3.91e-05	-5.47e-06
2747	52	0.33	-0.18	-1.36	-3.41e-04	1.17e-04	-4.28e-06
2747	68	0.23	0.37	-1.02	-2.78e-04	1.12e-04	-1.82e-06
2747	88	0.21	-0.96	-0.75	-1.63e-04	-2.05e-05	-3.83e-06
2747	92	0.23	-0.13	-0.96	-2.44e-04	8.35e-05	-3.04e-06
2747	98	0.19	-0.10	-0.82	-2.14e-04	7.16e-05	-2.49e-06
2747	105	0.19	-0.27	-0.76	-1.95e-04	4.98e-05	-2.62e-06
2747	107	0.19	-0.10	-0.78	-2.06e-04	6.91e-05	-2.40e-06
2747	112	11.73	7.89	-0.67	-1.51e-04	8.10e-04	-5.25e-04
2747	136	6.73	9.74	-1.72	-8.47e-04	4.86e-04	-3.36e-04
2747	139	-6.36	-9.93	0.16	4.34e-04	-3.48e-04	3.31e-04
2747	144	13.21	8.90	-0.66	-1.45e-04	9.04e-04	-5.91e-04
2747	168	7.59	10.99	-1.83	-9.27e-04	5.41e-04	-3.79e-04
2747	171	-7.22	-11.18	0.27	5.14e-04	-4.03e-04	3.74e-04
2747	176	13.30	8.80	-0.68	-1.58e-04	9.08e-04	-5.83e-04
2747	200	7.80	10.98	-1.82	-9.17e-04	5.55e-04	-3.82e-04
2747	203	-7.43	-11.17	0.26	5.04e-04	-4.17e-04	3.77e-04
2747	216	15.71	11.06	-1.57	-7.13e-04	1.08e-03	-7.58e-04
2747	232	9.32	12.92	-2.00	-1.03e-03	6.53e-04	-4.54e-04
2747	235	-8.95	-13.12	0.44	6.22e-04	-5.15e-04	4.49e-04
2748	4	0.08	0.46	-0.83	0.0	1.09e-04	-1.03e-05
2748	44	1.11e-04	-0.85	-0.61	0.0	-2.58e-05	1.90e-05
2748	68	0.06	0.31	-0.58	0.0	7.61e-05	-7.13e-06
2748	88	2.30e-03	-0.57	-0.44	0.0	-1.41e-05	1.24e-05
2748	98	0.04	-0.01	-0.47	0.0	4.76e-05	-2.82e-06
2748	103	0.04	0.10	-0.46	0.0	5.19e-05	-4.05e-06
2748	105	0.03	-0.12	-0.44	0.0	3.26e-05	0.0
2748	107	0.04	-0.01	-0.45	0.0	4.56e-05	-2.74e-06
2748	112	8.60	5.53	-0.39	0.0	1.10e-03	-3.87e-04
2748	136	4.92	6.27	-0.84	0.0	6.47e-04	-2.43e-04
2748	139	-4.84	-6.30	-0.05	0.0	-5.55e-04	2.37e-04
2748	144	9.69	6.23	-0.38	0.0	1.24e-03	-4.35e-04
2748	168	5.56	7.07	-0.89	0.0	7.25e-04	-2.74e-04
2748	171	-5.48	-7.10	1.36e-03	0.0	-6.34e-04	2.68e-04
2748	176	9.76	6.19	-0.39	0.0	1.24e-03	-4.33e-04
2748	200	5.72	7.09	-0.89	0.0	7.43e-04	-2.78e-04
2748	203	-5.64	-7.12	-2.91e-03	0.0	-6.52e-04	2.73e-04
2748	216	11.65	7.76	-0.80	0.0	1.45e-03	-5.62e-04

2748	232	6.85	8.36	-0.96	0.0	8.80e-04	-3.32e-04
2748	235	-6.77	-8.38	0.07	0.0	-7.89e-04	3.26e-04
2749	4	0.14	0.50	-0.88	0.0	1.01e-04	-1.66e-05
2749	18	0.14	0.86	-0.81	0.0	1.05e-04	-2.37e-05
2749	44	-0.01	-0.95	-0.65	0.0	6.23e-06	3.57e-05
2749	68	0.10	0.33	-0.62	0.0	7.08e-05	-1.14e-05
2749	75	0.10	0.57	-0.57	0.0	7.30e-05	-1.62e-05
2749	88	-3.07e-03	-0.63	-0.47	0.0	7.38e-06	2.34e-05
2749	98	0.07	-0.02	-0.50	0.0	4.84e-05	-3.64e-06
2749	103	0.07	0.10	-0.49	0.0	5.06e-05	-6.05e-06
2749	105	0.05	-0.14	-0.46	0.0	3.75e-05	1.87e-06
2749	107	0.06	-0.02	-0.48	0.0	4.63e-05	-3.57e-06
2749	112	9.16	5.94	-0.42	0.0	1.05e-03	-3.71e-04
2749	136	5.25	6.88	-0.91	0.0	6.15e-04	-2.39e-04
2749	139	-5.12	-6.92	-0.04	0.0	-5.22e-04	2.32e-04
2749	144	10.32	6.69	-0.41	0.0	1.18e-03	-4.17e-04
2749	168	5.93	7.76	-0.96	0.0	6.89e-04	-2.70e-04
2749	171	-5.80	-7.80	0.01	0.0	-5.97e-04	2.63e-04
2749	176	10.40	6.65	-0.42	0.0	1.18e-03	-4.12e-04
2749	200	6.10	7.78	-0.96	0.0	7.06e-04	-2.72e-04
2749	203	-5.97	-7.81	8.11e-03	0.0	-6.13e-04	2.65e-04
2749	216	12.40	8.34	-0.86	0.0	1.37e-03	-5.37e-04
2749	232	7.30	9.16	-1.04	0.0	8.35e-04	-3.24e-04
2749	235	-7.18	-9.19	0.09	0.0	-7.43e-04	3.17e-04
2750	4	0.19	0.52	-0.93	0.0	8.94e-05	-1.92e-05
2750	18	0.19	0.92	-0.85	0.0	8.36e-05	-2.80e-05
2750	44	2.52e-03	-1.04	-0.68	0.0	5.25e-05	4.42e-05
2750	68	0.13	0.35	-0.65	0.0	6.29e-05	-1.32e-05
2750	75	0.13	0.61	-0.60	0.0	5.90e-05	-1.91e-05
2750	88	7.29e-03	-0.70	-0.49	0.0	3.83e-05	2.90e-05
2750	98	0.09	-0.03	-0.52	0.0	4.94e-05	-3.75e-06
2750	103	0.10	0.10	-0.51	0.0	4.85e-05	-6.73e-06
2750	105	0.07	-0.16	-0.49	0.0	4.44e-05	2.90e-06
2750	107	0.09	-0.03	-0.50	0.0	4.73e-05	-3.69e-06
2750	112	9.69	6.35	-0.44	0.0	9.88e-04	-3.74e-04
2750	136	5.56	7.49	-0.97	0.0	5.75e-04	-2.46e-04
2750	139	-5.38	-7.55	-0.03	0.0	-4.81e-04	2.39e-04
2750	144	10.92	7.16	-0.43	0.0	1.11e-03	-4.21e-04
2750	168	6.28	8.44	-1.02	0.0	6.44e-04	-2.77e-04
2750	171	-6.10	-8.50	0.02	0.0	-5.50e-04	2.70e-04
2750	176	11.00	7.11	-0.44	0.0	1.11e-03	-4.14e-04
2750	200	6.45	8.46	-1.02	0.0	6.59e-04	-2.78e-04
2750	203	-6.28	-8.51	0.02	0.0	-5.64e-04	2.71e-04
2750	216	13.08	8.91	-0.91	0.0	1.27e-03	-5.39e-04
2750	232	7.72	9.96	-1.11	0.0	7.79e-04	-3.30e-04
2750	235	-7.55	-10.01	0.11	0.0	-6.84e-04	3.23e-04
2751	4	0.23	0.55	-0.97	0.0	7.59e-05	-1.80e-05
2751	44	0.04	-1.14	-0.72	0.0	1.02e-04	4.30e-05
2751	68	0.16	0.36	-0.68	0.0	5.39e-05	-1.23e-05
2751	88	0.04	-0.76	-0.51	0.0	7.14e-05	2.83e-05
2751	98	0.12	-0.04	-0.55	0.0	5.00e-05	-3.28e-06
2751	103	0.12	0.10	-0.53	0.0	4.58e-05	-6.13e-06
2751	105	0.10	-0.18	-0.51	0.0	5.14e-05	3.13e-06
2751	107	0.11	-0.04	-0.52	0.0	4.78e-05	-3.22e-06
2751	112	10.19	6.76	-0.46	0.0	9.31e-04	-3.96e-04
2751	136	5.84	8.09	-1.02	0.0	5.38e-04	-2.61e-04
2751	139	-5.62	-8.17	-0.03	0.0	-4.42e-04	2.55e-04
2751	144	11.47	7.63	-0.45	0.0	1.04e-03	-4.46e-04
2751	168	6.60	9.13	-1.08	0.0	6.01e-04	-2.94e-04
2751	171	-6.37	-9.21	0.03	0.0	-5.06e-04	2.88e-04
2751	176	11.56	7.56	-0.46	0.0	1.05e-03	-4.38e-04
2751	200	6.78	9.13	-1.07	0.0	6.14e-04	-2.95e-04
2751	203	-6.56	-9.21	0.03	0.0	-5.19e-04	2.89e-04
2751	216	13.72	9.49	-0.95	0.0	1.17e-03	-5.70e-04
2751	232	8.11	10.75	-1.17	0.0	7.25e-04	-3.50e-04
2751	235	-7.89	-10.83	0.12	0.0	-6.30e-04	3.44e-04
2752	4	0.08	0.46	-0.65	0.0	1.01e-04	-1.07e-05
2752	44	0.01	-0.85	-0.50	0.0	0.0	2.16e-05
2752	68	0.05	0.31	-0.45	0.0	7.07e-05	-7.31e-06
2752	88	0.01	-0.57	-0.36	0.0	3.74e-06	1.42e-05
2752	98	0.04	-0.01	-0.37	0.0	4.75e-05	-2.41e-06
2752	105	0.03	-0.12	-0.35	0.0	3.60e-05	1.05e-06
2752	107	0.04	-0.01	-0.35	0.0	4.54e-05	-2.31e-06
2752	112	8.38	5.52	-0.33	0.0	1.12e-03	-4.16e-04
2752	136	4.79	6.27	-0.54	0.0	6.60e-04	-2.60e-04

2752	139	-4.71	-6.30	-0.16	0.0	-5.69e-04	2.56e-04
2752	144	9.45	6.23	-0.32	0.0	1.26e-03	-4.68e-04
2752	168	5.41	7.07	-0.57	0.0	7.40e-04	-2.94e-04
2752	171	-5.34	-7.10	-0.13	0.0	-6.49e-04	2.89e-04
2752	176	9.52	6.19	-0.33	0.0	1.27e-03	-4.66e-04
2752	200	5.57	7.09	-0.57	0.0	7.57e-04	-2.99e-04
2752	203	-5.49	-7.12	-0.14	0.0	-6.66e-04	2.94e-04
2752	216	11.32	7.76	-0.52	0.0	1.47e-03	-6.08e-04
2752	232	6.67	8.36	-0.60	0.0	8.96e-04	-3.57e-04
2752	235	-6.59	-8.38	-0.10	0.0	-8.06e-04	3.52e-04
2753	4	0.13	0.50	-0.69	0.0	9.58e-05	-1.67e-05
2753	44	0.02	-0.95	-0.54	0.0	2.42e-05	4.23e-05
2753	68	0.09	0.33	-0.49	0.0	6.70e-05	-1.13e-05
2753	88	0.02	-0.63	-0.38	0.0	1.93e-05	2.80e-05
2753	98	0.07	-0.02	-0.39	0.0	4.82e-05	-2.40e-06
2753	103	0.07	0.10	-0.38	0.0	4.92e-05	-5.17e-06
2753	105	0.05	-0.14	-0.37	0.0	3.97e-05	3.78e-06
2753	107	0.06	-0.02	-0.38	0.0	4.61e-05	-2.33e-06
2753	112	8.96	5.94	-0.35	0.0	1.07e-03	-4.19e-04
2753	136	5.13	6.88	-0.59	0.0	6.25e-04	-2.68e-04
2753	139	-5.00	-6.92	-0.16	0.0	-5.33e-04	2.63e-04
2753	144	10.09	6.69	-0.35	0.0	1.20e-03	-4.72e-04
2753	168	5.79	7.76	-0.62	0.0	7.01e-04	-3.02e-04
2753	171	-5.67	-7.79	-0.13	0.0	-6.08e-04	2.98e-04
2753	176	10.17	6.65	-0.35	0.0	1.20e-03	-4.69e-04
2753	200	5.95	7.77	-0.62	0.0	7.16e-04	-3.06e-04
2753	203	-5.83	-7.81	-0.14	0.0	-6.24e-04	3.02e-04
2753	216	12.07	8.34	-0.56	0.0	1.38e-03	-6.16e-04
2753	232	7.13	9.16	-0.66	0.0	8.48e-04	-3.66e-04
2753	235	-7.00	-9.19	-0.10	0.0	-7.55e-04	3.61e-04
2754	4	0.18	0.52	-0.73	0.0	8.76e-05	-1.98e-05
2754	44	0.04	-1.04	-0.57	0.0	5.76e-05	5.30e-05
2754	68	0.12	0.35	-0.51	0.0	6.17e-05	-1.35e-05
2754	88	0.03	-0.70	-0.40	0.0	4.17e-05	3.51e-05
2754	98	0.09	-0.03	-0.42	0.0	4.92e-05	-2.46e-06
2754	103	0.09	0.10	-0.40	0.0	4.79e-05	-5.95e-06
2754	105	0.07	-0.16	-0.39	0.0	4.49e-05	5.14e-06
2754	107	0.09	-0.03	-0.40	0.0	4.70e-05	-2.40e-06
2754	112	9.50	6.35	-0.37	0.0	9.95e-04	-4.26e-04
2754	136	5.44	7.49	-0.64	0.0	5.79e-04	-2.77e-04
2754	139	-5.27	-7.54	-0.16	0.0	-4.85e-04	2.72e-04
2754	144	10.70	7.16	-0.36	0.0	1.12e-03	-4.80e-04
2754	168	6.14	8.44	-0.66	0.0	6.48e-04	-3.12e-04
2754	171	-5.97	-8.50	-0.13	0.0	-5.54e-04	3.07e-04
2754	176	10.77	7.10	-0.37	0.0	1.12e-03	-4.75e-04
2754	200	6.31	8.45	-0.66	0.0	6.62e-04	-3.15e-04
2754	203	-6.14	-8.51	-0.13	0.0	-5.68e-04	3.11e-04
2754	216	12.76	8.91	-0.60	0.0	1.27e-03	-6.26e-04
2754	232	7.55	9.95	-0.71	0.0	7.82e-04	-3.76e-04
2754	235	-7.38	-10.01	-0.09	0.0	-6.88e-04	3.71e-04
2755	4	0.22	0.54	-0.77	0.0	7.82e-05	-1.95e-05
2755	44	0.08	-1.14	-0.60	0.0	9.39e-05	5.17e-05
2755	68	0.16	0.36	-0.54	0.0	5.55e-05	-1.33e-05
2755	88	0.06	-0.76	-0.43	0.0	6.59e-05	3.42e-05
2755	98	0.12	-0.04	-0.44	0.0	4.99e-05	-2.54e-06
2755	105	0.10	-0.18	-0.41	0.0	5.03e-05	4.91e-06
2755	107	0.11	-0.04	-0.42	0.0	4.77e-05	-2.48e-06
2755	112	9.99	6.76	-0.39	0.0	9.21e-04	-4.40e-04
2755	136	5.73	8.09	-0.68	0.0	5.31e-04	-2.88e-04
2755	139	-5.50	-8.17	-0.16	0.0	-4.36e-04	2.83e-04
2755	144	11.25	7.62	-0.38	0.0	1.03e-03	-4.96e-04
2755	168	6.46	9.12	-0.71	0.0	5.94e-04	-3.25e-04
2755	171	-6.24	-9.21	-0.13	0.0	-4.99e-04	3.20e-04
2755	176	11.33	7.56	-0.39	0.0	1.04e-03	-4.89e-04
2755	200	6.64	9.13	-0.71	0.0	6.06e-04	-3.27e-04
2755	203	-6.42	-9.21	-0.13	0.0	-5.11e-04	3.22e-04
2755	216	13.39	9.49	-0.64	0.0	1.15e-03	-6.45e-04
2755	232	7.94	10.75	-0.75	0.0	7.15e-04	-3.89e-04
2755	235	-7.72	-10.83	-0.08	0.0	-6.20e-04	3.84e-04
2756	4	0.07	0.46	-0.55	0.0	9.46e-05	-1.01e-05
2756	44	0.03	-0.85	-0.44	0.0	2.63e-05	1.84e-05
2756	68	0.05	0.31	-0.38	0.0	6.62e-05	-6.87e-06
2756	88	0.02	-0.57	-0.31	0.0	2.06e-05	1.21e-05
2756	98	0.04	-0.01	-0.31	0.0	4.78e-05	-2.44e-06
2756	105	0.03	-0.12	-0.30	0.0	3.96e-05	0.0

2756	107	0.04	-0.01	-0.30	0.0	4.57e-05	-2.33e-06
2756	112	8.16	5.52	-0.29	0.0	1.13e-03	-4.33e-04
2756	136	4.65	6.27	-0.39	0.0	6.61e-04	-2.71e-04
2756	139	-4.58	-6.29	-0.21	0.0	-5.70e-04	2.66e-04
2756	144	9.19	6.22	-0.29	0.0	1.26e-03	-4.88e-04
2756	168	5.26	7.07	-0.40	0.0	7.42e-04	-3.06e-04
2756	171	-5.19	-7.09	-0.19	0.0	-6.50e-04	3.02e-04
2756	176	9.26	6.19	-0.29	0.0	1.27e-03	-4.87e-04
2756	200	5.41	7.09	-0.40	0.0	7.57e-04	-3.12e-04
2756	203	-5.33	-7.11	-0.20	0.0	-6.66e-04	3.07e-04
2756	216	10.96	7.76	-0.38	0.0	1.45e-03	-6.37e-04
2756	232	6.47	8.36	-0.42	0.0	8.96e-04	-3.73e-04
2756	235	-6.40	-8.38	-0.18	0.0	-8.04e-04	3.68e-04
2757	4	0.12	0.50	-0.58	0.0	9.10e-05	-1.46e-05
2757	44	0.04	-0.95	-0.47	0.0	4.16e-05	3.72e-05
2757	68	0.08	0.33	-0.41	0.0	6.39e-05	-9.86e-06
2757	88	0.03	-0.63	-0.34	0.0	3.09e-05	2.46e-05
2757	98	0.06	-0.02	-0.34	0.0	4.84e-05	-1.96e-06
2757	105	0.05	-0.14	-0.32	0.0	4.21e-05	3.48e-06
2757	107	0.06	-0.02	-0.32	0.0	4.62e-05	-1.87e-06
2757	112	8.73	5.94	-0.31	0.0	1.07e-03	-4.49e-04
2757	136	4.99	6.88	-0.42	0.0	6.27e-04	-2.85e-04
2757	139	-4.87	-6.92	-0.22	0.0	-5.35e-04	2.82e-04
2757	144	9.84	6.69	-0.31	0.0	1.20e-03	-5.06e-04
2757	168	5.64	7.76	-0.44	0.0	7.03e-04	-3.22e-04
2757	171	-5.52	-7.79	-0.20	0.0	-6.10e-04	3.19e-04
2757	176	9.91	6.65	-0.31	0.0	1.21e-03	-5.03e-04
2757	200	5.79	7.77	-0.44	0.0	7.17e-04	-3.27e-04
2757	203	-5.67	-7.81	-0.20	0.0	-6.25e-04	3.24e-04
2757	216	11.71	8.33	-0.41	0.0	1.37e-03	-6.63e-04
2757	232	6.93	9.16	-0.46	0.0	8.48e-04	-3.91e-04
2757	235	-6.81	-9.19	-0.18	0.0	-7.56e-04	3.87e-04
2758	4	0.17	0.52	-0.62	0.0	8.59e-05	-1.70e-05
2758	44	0.07	-1.04	-0.50	0.0	6.32e-05	4.73e-05
2758	68	0.12	0.35	-0.43	0.0	6.05e-05	-1.15e-05
2758	88	0.05	-0.70	-0.35	0.0	4.54e-05	3.14e-05
2758	98	0.09	-0.03	-0.35	0.0	4.91e-05	-1.72e-06
2758	105	0.08	-0.16	-0.33	0.0	4.55e-05	5.00e-06
2758	107	0.09	-0.03	-0.34	0.0	4.70e-05	-1.65e-06
2758	112	9.27	6.35	-0.32	0.0	9.96e-04	-4.63e-04
2758	136	5.30	7.49	-0.45	0.0	5.80e-04	-2.98e-04
2758	139	-5.13	-7.54	-0.22	0.0	-4.86e-04	2.95e-04
2758	144	10.44	7.16	-0.32	0.0	1.12e-03	-5.21e-04
2758	168	5.99	8.44	-0.47	0.0	6.49e-04	-3.36e-04
2758	171	-5.82	-8.50	-0.21	0.0	-5.55e-04	3.33e-04
2758	176	10.52	7.10	-0.32	0.0	1.12e-03	-5.17e-04
2758	200	6.15	8.45	-0.47	0.0	6.62e-04	-3.41e-04
2758	203	-5.98	-8.51	-0.21	0.0	-5.68e-04	3.38e-04
2758	216	12.40	8.91	-0.44	0.0	1.26e-03	-6.85e-04
2758	232	7.36	9.95	-0.49	0.0	7.82e-04	-4.07e-04
2758	235	-7.19	-10.01	-0.19	0.0	-6.88e-04	4.04e-04
2759	4	0.21	0.54	-0.65	0.0	8.02e-05	-1.68e-05
2759	44	0.11	-1.14	-0.53	0.0	8.67e-05	4.67e-05
2759	68	0.15	0.36	-0.46	0.0	5.67e-05	-1.13e-05
2759	88	0.08	-0.76	-0.37	0.0	6.11e-05	3.10e-05
2759	98	0.12	-0.04	-0.37	0.0	4.97e-05	-1.73e-06
2759	105	0.10	-0.18	-0.35	0.0	4.92e-05	4.91e-06
2759	107	0.11	-0.04	-0.36	0.0	4.76e-05	-1.67e-06
2759	112	9.77	6.76	-0.34	0.0	9.17e-04	-4.77e-04
2759	136	5.59	8.09	-0.48	0.0	5.29e-04	-3.09e-04
2759	139	-5.37	-8.17	-0.23	0.0	-4.33e-04	3.06e-04
2759	144	11.00	7.62	-0.34	0.0	1.03e-03	-5.37e-04
2759	168	6.31	9.12	-0.50	0.0	5.91e-04	-3.49e-04
2759	171	-6.09	-9.21	-0.21	0.0	-4.96e-04	3.46e-04
2759	176	11.07	7.56	-0.34	0.0	1.03e-03	-5.32e-04
2759	200	6.48	9.13	-0.50	0.0	6.02e-04	-3.53e-04
2759	203	-6.26	-9.21	-0.22	0.0	-5.07e-04	3.50e-04
2759	208	13.05	8.85	-0.34	0.0	1.20e-03	-6.23e-04
2759	232	7.74	10.75	-0.52	0.0	7.10e-04	-4.21e-04
2759	235	-7.52	-10.83	-0.19	0.0	-6.15e-04	4.18e-04
2760	4	0.07	0.46	-0.49	0.0	9.01e-05	-9.20e-06
2760	44	0.04	-0.85	-0.41	0.0	4.70e-05	1.28e-05
2760	52	0.07	-0.02	-0.48	0.0	8.29e-05	-4.78e-06
2760	68	0.05	0.31	-0.34	0.0	6.32e-05	-6.30e-06
2760	88	0.03	-0.57	-0.29	0.0	3.45e-05	8.39e-06

2760	92	0.05	-0.01	-0.34	0.0	5.84e-05	-3.35e-06
2760	98	0.04	-0.01	-0.28	0.0	4.86e-05	-2.76e-06
2760	105	0.03	-0.12	-0.27	0.0	4.30e-05	0.0
2760	107	0.04	-0.01	-0.27	0.0	4.65e-05	-2.62e-06
2760	112	7.92	5.52	-0.26	0.0	1.12e-03	-4.45e-04
2760	134	0.36	3.82	-0.30	0.0	1.07e-04	-3.24e-05
2760	139	-4.44	-6.29	-0.23	0.0	-5.66e-04	2.74e-04
2760	144	8.93	6.22	-0.26	0.0	1.26e-03	-5.02e-04
2760	166	0.41	4.30	-0.31	0.0	1.15e-04	-3.67e-05
2760	171	-5.03	-7.09	-0.23	0.0	-6.45e-04	3.10e-04
2760	176	8.99	6.19	-0.26	0.0	1.26e-03	-5.00e-04
2760	200	5.24	7.09	-0.31	0.0	7.52e-04	-3.21e-04
2760	203	-5.17	-7.11	-0.23	0.0	-6.59e-04	3.16e-04
2760	208	10.60	7.26	-0.26	0.0	1.48e-03	-5.88e-04
2760	232	6.28	8.35	-0.32	0.0	8.89e-04	-3.84e-04
2760	235	-6.20	-8.38	-0.22	0.0	-7.96e-04	3.78e-04
2761	4	0.11	0.50	-0.52	0.0	8.81e-05	-1.16e-05
2761	44	0.06	-0.94	-0.43	0.0	5.60e-05	2.80e-05
2761	68	0.08	0.33	-0.36	0.0	6.19e-05	-7.78e-06
2761	88	0.05	-0.63	-0.31	0.0	4.05e-05	1.86e-05
2761	98	0.06	-0.02	-0.30	0.0	4.90e-05	-1.68e-06
2761	105	0.06	-0.14	-0.28	0.0	4.45e-05	2.49e-06
2761	107	0.06	-0.02	-0.29	0.0	4.68e-05	-1.59e-06
2761	112	8.49	5.94	-0.28	0.0	1.07e-03	-4.67e-04
2761	134	0.41	4.27	-0.33	0.0	1.02e-04	-3.68e-05
2761	139	-4.73	-6.91	-0.25	0.0	-5.32e-04	2.93e-04
2761	144	9.57	6.69	-0.28	0.0	1.20e-03	-5.26e-04
2761	166	0.47	4.81	-0.33	0.0	1.09e-04	-4.18e-05
2761	171	-5.36	-7.79	-0.24	0.0	-6.07e-04	3.32e-04
2761	176	9.64	6.65	-0.28	0.0	1.20e-03	-5.24e-04
2761	200	5.63	7.77	-0.33	0.0	7.14e-04	-3.41e-04
2761	203	-5.51	-7.81	-0.24	0.0	-6.20e-04	3.37e-04
2761	208	11.36	7.79	-0.28	0.0	1.40e-03	-6.15e-04
2761	232	6.73	9.15	-0.34	0.0	8.43e-04	-4.07e-04
2761	235	-6.61	-9.19	-0.23	0.0	-7.49e-04	4.04e-04
2762	4	0.16	0.52	-0.55	0.0	8.51e-05	-1.27e-05
2762	44	0.09	-1.04	-0.46	0.0	6.82e-05	3.64e-05
2762	68	0.11	0.35	-0.38	0.0	6.00e-05	-8.47e-06
2762	88	0.07	-0.70	-0.32	0.0	4.87e-05	2.42e-05
2762	98	0.09	-0.03	-0.32	0.0	4.94e-05	-1.01e-06
2762	105	0.08	-0.16	-0.30	0.0	4.64e-05	4.13e-06
2762	107	0.08	-0.03	-0.30	0.0	4.72e-05	0.0
2762	112	9.03	6.35	-0.30	0.0	9.92e-04	-4.86e-04
2762	136	5.16	7.49	-0.35	0.0	5.78e-04	-3.12e-04
2762	139	-4.99	-7.54	-0.26	0.0	-4.83e-04	3.10e-04
2762	144	10.17	7.16	-0.30	0.0	1.11e-03	-5.48e-04
2762	168	5.83	8.44	-0.35	0.0	6.47e-04	-3.52e-04
2762	171	-5.66	-8.50	-0.25	0.0	-5.52e-04	3.50e-04
2762	176	10.24	7.10	-0.30	0.0	1.12e-03	-5.44e-04
2762	200	5.98	8.45	-0.35	0.0	6.59e-04	-3.58e-04
2762	203	-5.81	-8.51	-0.25	0.0	-5.64e-04	3.56e-04
2762	208	12.07	8.32	-0.30	0.0	1.31e-03	-6.38e-04
2762	232	7.15	9.95	-0.36	0.0	7.77e-04	-4.27e-04
2762	235	-6.98	-10.01	-0.24	0.0	-6.82e-04	4.25e-04
2763	4	0.20	0.54	-0.57	0.0	8.18e-05	-1.21e-05
2763	44	0.13	-1.14	-0.48	0.0	8.14e-05	3.64e-05
2763	68	0.14	0.36	-0.40	0.0	5.78e-05	-8.09e-06
2763	88	0.10	-0.76	-0.34	0.0	5.75e-05	2.43e-05
2763	98	0.11	-0.04	-0.33	0.0	4.97e-05	0.0
2763	105	0.10	-0.18	-0.31	0.0	4.84e-05	4.32e-06
2763	107	0.11	-0.04	-0.32	0.0	4.76e-05	0.0
2763	112	9.52	6.76	-0.31	0.0	9.12e-04	-5.03e-04
2763	136	5.45	8.09	-0.36	0.0	5.26e-04	-3.24e-04
2763	139	-5.23	-8.17	-0.27	0.0	-4.31e-04	3.23e-04
2763	144	10.72	7.62	-0.31	0.0	1.02e-03	-5.67e-04
2763	168	6.15	9.12	-0.37	0.0	5.88e-04	-3.66e-04
2763	171	-5.93	-9.21	-0.26	0.0	-4.93e-04	3.65e-04
2763	176	10.79	7.56	-0.31	0.0	1.02e-03	-5.62e-04
2763	200	6.31	9.13	-0.37	0.0	5.99e-04	-3.71e-04
2763	203	-6.09	-9.21	-0.26	0.0	-5.03e-04	3.70e-04
2763	208	12.72	8.85	-0.31	0.0	1.20e-03	-6.59e-04
2763	232	7.54	10.75	-0.38	0.0	7.05e-04	-4.43e-04
2763	235	-7.32	-10.83	-0.26	0.0	-6.10e-04	4.42e-04
2764	4	0.06	0.47	-0.46	0.0	8.88e-05	-8.07e-06
2764	44	0.04	-0.85	-0.39	0.0	6.32e-05	7.21e-06

2764	52	0.06	-0.02	-0.46	0.0	8.58e-05	-5.17e-06
2764	68	0.04	0.31	-0.32	0.0	6.25e-05	-5.55e-06
2764	88	0.03	-0.57	-0.28	0.0	4.54e-05	4.64e-06
2764	92	0.04	-0.01	-0.32	0.0	6.05e-05	-3.61e-06
2764	98	0.04	-0.01	-0.27	0.0	5.04e-05	-2.97e-06
2764	105	0.03	-0.12	-0.25	0.0	4.65e-05	-1.26e-06
2764	107	0.03	-0.01	-0.25	0.0	4.82e-05	-2.82e-06
2764	112	7.68	5.52	-0.25	0.0	1.11e-03	-4.53e-04
2764	134	0.36	3.82	-0.26	0.0	1.13e-04	-3.30e-05
2764	139	-4.30	-6.29	-0.25	0.0	-5.60e-04	2.78e-04
2764	144	8.66	6.22	-0.25	0.0	1.25e-03	-5.11e-04
2764	166	0.40	4.30	-0.27	0.0	1.22e-04	-3.73e-05
2764	171	-4.87	-7.09	-0.25	0.0	-6.39e-04	3.15e-04
2764	176	8.72	6.19	-0.25	0.0	1.25e-03	-5.09e-04
2764	198	0.44	4.30	-0.26	0.0	1.24e-04	-4.01e-05
2764	203	-5.01	-7.11	-0.25	0.0	-6.51e-04	3.21e-04
2764	208	10.28	7.25	-0.25	0.0	1.46e-03	-5.98e-04
2764	230	0.53	5.04	-0.27	0.0	1.39e-04	-4.95e-05
2764	235	-6.00	-8.37	-0.24	0.0	-7.85e-04	3.85e-04
2765	4	0.11	0.50	-0.49	0.0	8.73e-05	-8.12e-06
2765	44	0.08	-0.94	-0.42	0.0	6.72e-05	1.89e-05
2765	52	0.11	-0.04	-0.49	0.0	8.55e-05	-2.42e-06
2765	68	0.07	0.33	-0.34	0.0	6.15e-05	-5.44e-06
2765	88	0.05	-0.63	-0.30	0.0	4.81e-05	1.26e-05
2765	92	0.08	-0.02	-0.34	0.0	6.03e-05	-1.64e-06
2765	98	0.06	-0.02	-0.28	0.0	5.03e-05	-1.23e-06
2765	105	0.06	-0.14	-0.27	0.0	4.70e-05	1.65e-06
2765	107	0.06	-0.02	-0.27	0.0	4.81e-05	-1.14e-06
2765	112	8.25	5.94	-0.27	0.0	1.06e-03	-4.79e-04
2765	134	0.41	4.27	-0.28	0.0	1.07e-04	-3.69e-05
2765	139	-4.59	-6.91	-0.26	0.0	-5.26e-04	3.01e-04
2765	144	9.29	6.69	-0.27	0.0	1.19e-03	-5.39e-04
2765	166	0.46	4.81	-0.28	0.0	1.15e-04	-4.20e-05
2765	171	-5.19	-7.79	-0.26	0.0	-6.00e-04	3.40e-04
2765	176	9.36	6.65	-0.27	0.0	1.19e-03	-5.37e-04
2765	198	0.50	4.80	-0.28	0.0	1.17e-04	-4.50e-05
2765	203	-5.34	-7.81	-0.26	0.0	-6.12e-04	3.47e-04
2765	208	11.03	7.79	-0.27	0.0	1.39e-03	-6.30e-04
2765	230	0.60	5.62	-0.29	0.0	1.31e-04	-5.57e-05
2765	235	-6.40	-9.19	-0.26	0.0	-7.38e-04	4.15e-04
2766	4	0.15	0.52	-0.51	0.0	8.54e-05	-7.77e-06
2766	44	0.11	-1.04	-0.44	0.0	7.25e-05	2.56e-05
2766	52	0.15	-0.06	-0.51	0.0	8.52e-05	0.0
2766	68	0.11	0.35	-0.36	0.0	6.02e-05	-5.11e-06
2766	88	0.08	-0.69	-0.31	0.0	5.16e-05	1.71e-05
2766	92	0.11	-0.04	-0.36	0.0	6.01e-05	0.0
2766	98	0.09	-0.03	-0.30	0.0	5.01e-05	0.0
2766	105	0.08	-0.16	-0.29	0.0	4.76e-05	3.44e-06
2766	107	0.08	-0.03	-0.29	0.0	4.79e-05	0.0
2766	112	8.78	6.35	-0.28	0.0	9.85e-04	-5.01e-04
2766	134	0.46	4.71	-0.30	0.0	9.87e-05	-4.04e-05
2766	139	-4.85	-7.54	-0.28	0.0	-4.79e-04	3.20e-04
2766	144	9.89	7.16	-0.28	0.0	1.10e-03	-5.65e-04
2766	166	0.52	5.31	-0.30	0.0	1.06e-04	-4.61e-05
2766	171	-5.49	-8.50	-0.28	0.0	-5.47e-04	3.62e-04
2766	176	9.95	7.10	-0.28	0.0	1.11e-03	-5.61e-04
2766	198	0.56	5.30	-0.30	0.0	1.08e-04	-4.92e-05
2766	203	-5.64	-8.51	-0.28	0.0	-5.58e-04	3.68e-04
2766	208	11.73	8.32	-0.28	0.0	1.29e-03	-6.58e-04
2766	230	0.66	6.21	-0.30	0.0	1.19e-04	-6.11e-05
2766	235	-6.77	-10.01	-0.27	0.0	-6.74e-04	4.40e-04
2767	4	0.20	0.54	-0.54	0.0	8.33e-05	-6.85e-06
2767	44	0.15	-1.14	-0.47	0.0	7.80e-05	2.61e-05
2767	52	0.20	-0.08	-0.54	0.0	8.48e-05	0.0
2767	68	0.14	0.36	-0.38	0.0	5.88e-05	-4.46e-06
2767	88	0.11	-0.76	-0.33	0.0	5.53e-05	1.75e-05
2767	92	0.14	-0.05	-0.38	0.0	5.98e-05	0.0
2767	98	0.11	-0.04	-0.32	0.0	4.99e-05	0.0
2767	105	0.11	-0.18	-0.30	0.0	4.81e-05	3.91e-06
2767	107	0.11	-0.04	-0.30	0.0	4.77e-05	0.0
2767	112	9.27	6.76	-0.30	0.0	9.06e-04	-5.19e-04
2767	134	0.51	5.15	-0.31	0.0	8.93e-05	-4.31e-05
2767	139	-5.08	-8.17	-0.29	0.0	-4.27e-04	3.34e-04
2767	144	10.43	7.62	-0.30	0.0	1.02e-03	-5.85e-04
2767	166	0.57	5.81	-0.32	0.0	9.50e-05	-4.92e-05

2767	171	-5.76	-9.21	-0.29	0.0	-4.89e-04	3.78e-04
2767	176	10.50	7.56	-0.30	0.0	1.02e-03	-5.81e-04
2767	198	0.61	5.80	-0.32	0.0	9.71e-05	-5.23e-05
2767	203	-5.91	-9.21	-0.29	0.0	-4.98e-04	3.83e-04
2767	208	12.37	8.85	-0.30	0.0	1.19e-03	-6.81e-04
2767	230	0.72	6.79	-0.32	0.0	1.07e-04	-6.49e-05
2767	235	-7.10	-10.83	-0.29	0.0	-6.03e-04	4.58e-04
2768	28	0.06	-0.52	-0.45	0.0	8.71e-05	0.0
2768	44	0.05	-0.85	-0.40	0.0	7.52e-05	2.97e-06
2768	52	0.06	-0.02	-0.45	0.0	8.96e-05	-4.96e-06
2768	80	0.04	-0.35	-0.32	0.0	6.16e-05	0.0
2768	88	0.03	-0.57	-0.28	0.0	5.37e-05	1.83e-06
2768	92	0.04	-0.01	-0.32	0.0	6.32e-05	-3.45e-06
2768	98	0.03	-0.01	-0.27	0.0	5.29e-05	-2.80e-06
2768	105	0.03	-0.12	-0.25	0.0	5.00e-05	-1.69e-06
2768	107	0.03	-9.68e-03	-0.25	0.0	5.06e-05	-2.65e-06
2768	111	-6.00	-5.33	-0.27	0.0	-7.94e-04	3.62e-04
2768	112	7.44	5.52	-0.24	0.0	1.10e-03	-4.58e-04
2768	139	-4.17	-6.29	-0.27	0.0	-5.52e-04	2.81e-04
2768	143	-6.76	-6.00	-0.27	0.0	-9.01e-04	4.08e-04
2768	144	8.39	6.22	-0.23	0.0	1.23e-03	-5.16e-04
2768	171	-4.72	-7.09	-0.27	0.0	-6.30e-04	3.18e-04
2768	175	-6.79	-5.94	-0.27	0.0	-9.01e-04	4.05e-04
2768	176	8.44	6.19	-0.23	0.0	1.24e-03	-5.14e-04
2768	203	-4.84	-7.11	-0.27	0.0	-6.40e-04	3.24e-04
2768	207	-8.01	-6.94	-0.27	0.0	-1.07e-03	4.75e-04
2768	208	9.95	7.25	-0.23	0.0	1.45e-03	-6.04e-04
2768	235	-5.80	-8.37	-0.27	0.0	-7.71e-04	3.89e-04
2769	28	0.10	-0.58	-0.48	0.0	8.69e-05	6.43e-06
2769	44	0.09	-0.94	-0.42	0.0	7.57e-05	1.19e-05
2769	52	0.11	-0.03	-0.48	0.0	8.85e-05	-1.26e-06
2769	80	0.07	-0.39	-0.34	0.0	6.14e-05	4.35e-06
2769	88	0.06	-0.63	-0.30	0.0	5.40e-05	8.00e-06
2769	92	0.07	-0.02	-0.34	0.0	6.25e-05	0.0
2769	98	0.06	-0.02	-0.28	0.0	5.22e-05	0.0
2769	105	0.06	-0.14	-0.27	0.0	4.96e-05	1.36e-06
2769	107	0.06	-0.02	-0.27	0.0	4.99e-05	0.0
2769	111	-6.40	-5.72	-0.29	0.0	-7.54e-04	3.86e-04
2769	112	8.00	5.94	-0.25	0.0	1.05e-03	-4.85e-04
2769	139	-4.44	-6.91	-0.28	0.0	-5.19e-04	3.06e-04
2769	143	-7.22	-6.44	-0.29	0.0	-8.56e-04	4.35e-04
2769	144	9.01	6.69	-0.25	0.0	1.18e-03	-5.47e-04
2769	171	-5.03	-7.79	-0.28	0.0	-5.92e-04	3.46e-04
2769	175	-7.25	-6.36	-0.29	0.0	-8.56e-04	4.32e-04
2769	176	9.07	6.64	-0.25	0.0	1.18e-03	-5.44e-04
2769	203	-5.16	-7.81	-0.28	0.0	-6.02e-04	3.52e-04
2769	207	-8.55	-7.43	-0.29	0.0	-1.02e-03	5.06e-04
2769	208	10.69	7.79	-0.25	0.0	1.38e-03	-6.39e-04
2769	235	-6.19	-9.19	-0.29	0.0	-7.26e-04	4.22e-04
2770	28	0.15	-0.65	-0.51	0.0	8.64e-05	1.08e-05
2770	44	0.12	-1.04	-0.45	0.0	7.61e-05	1.72e-05
2770	52	0.15	-0.05	-0.51	0.0	8.70e-05	1.34e-06
2770	80	0.10	-0.43	-0.36	0.0	6.10e-05	7.41e-06
2770	88	0.09	-0.69	-0.32	0.0	5.41e-05	1.17e-05
2770	92	0.11	-0.04	-0.36	0.0	6.14e-05	1.09e-06
2770	98	0.09	-0.03	-0.30	0.0	5.13e-05	1.22e-06
2770	105	0.08	-0.16	-0.28	0.0	4.89e-05	3.35e-06
2770	107	0.08	-0.03	-0.28	0.0	4.91e-05	1.24e-06
2770	111	-6.78	-6.12	-0.30	0.0	-6.99e-04	4.07e-04
2770	112	8.53	6.35	-0.26	0.0	9.77e-04	-5.09e-04
2770	139	-4.70	-7.54	-0.30	0.0	-4.73e-04	3.27e-04
2770	143	-7.65	-6.89	-0.31	0.0	-7.93e-04	4.58e-04
2770	144	9.60	7.16	-0.26	0.0	1.09e-03	-5.74e-04
2770	171	-5.32	-8.50	-0.30	0.0	-5.40e-04	3.69e-04
2770	175	-7.68	-6.79	-0.31	0.0	-7.93e-04	4.54e-04
2770	176	9.66	7.10	-0.26	0.0	1.10e-03	-5.70e-04
2770	203	-5.46	-8.51	-0.30	0.0	-5.49e-04	3.75e-04
2770	207	-9.06	-7.92	-0.31	0.0	-9.41e-04	5.31e-04
2770	208	11.38	8.32	-0.26	0.0	1.28e-03	-6.70e-04
2770	235	-6.55	-10.01	-0.30	0.0	-6.63e-04	4.49e-04
2771	28	0.19	-0.72	-0.54	0.0	8.57e-05	1.18e-05
2771	44	0.16	-1.14	-0.47	0.0	7.61e-05	1.81e-05
2771	52	0.20	-0.08	-0.53	0.0	8.53e-05	2.48e-06
2771	80	0.14	-0.48	-0.38	0.0	6.04e-05	8.15e-06
2771	88	0.12	-0.76	-0.33	0.0	5.41e-05	1.23e-05

2771	92	0.14	-0.05	-0.38	0.0	6.02e-05	1.91e-06
2771	98	0.12	-0.04	-0.31	0.0	5.02e-05	1.93e-06
2771	105	0.11	-0.18	-0.30	0.0	4.81e-05	4.01e-06
2771	107	0.11	-0.04	-0.30	0.0	4.80e-05	1.93e-06
2771	111	-7.12	-6.52	-0.32	0.0	-6.39e-04	4.23e-04
2771	112	9.01	6.76	-0.28	0.0	8.99e-04	-5.28e-04
2771	139	-4.93	-8.17	-0.31	0.0	-4.23e-04	3.42e-04
2771	143	-8.04	-7.33	-0.32	0.0	-7.26e-04	4.76e-04
2771	144	10.14	7.62	-0.27	0.0	1.01e-03	-5.95e-04
2771	171	-5.59	-9.21	-0.32	0.0	-4.84e-04	3.86e-04
2771	175	-8.07	-7.23	-0.32	0.0	-7.26e-04	4.71e-04
2771	176	10.21	7.56	-0.27	0.0	1.01e-03	-5.91e-04
2771	203	-5.73	-9.21	-0.32	0.0	-4.92e-04	3.92e-04
2771	207	-9.53	-8.42	-0.33	0.0	-8.62e-04	5.50e-04
2771	208	12.02	8.85	-0.27	0.0	1.18e-03	-6.94e-04
2771	235	-6.88	-10.83	-0.32	0.0	-5.95e-04	4.68e-04
2772	28	0.05	-0.52	-0.47	0.0	9.50e-05	-1.96e-06
2772	44	0.05	-0.85	-0.42	0.0	8.46e-05	0.0
2772	52	0.06	-0.02	-0.47	0.0	9.45e-05	-4.36e-06
2772	80	0.04	-0.35	-0.33	0.0	6.71e-05	-1.40e-06
2772	88	0.03	-0.56	-0.29	0.0	6.02e-05	0.0
2772	92	0.04	-0.01	-0.33	0.0	6.68e-05	-3.00e-06
2772	98	0.03	-9.60e-03	-0.27	0.0	5.61e-05	-2.38e-06
2772	105	0.03	-0.12	-0.26	0.0	5.38e-05	-1.70e-06
2772	107	0.03	-8.90e-03	-0.26	0.0	5.37e-05	-2.23e-06
2772	112	7.20	5.52	-0.22	0.0	1.09e-03	-4.60e-04
2772	127	0.29	-5.56	-0.30	0.0	1.02e-04	-2.88e-05
2772	139	-4.03	-6.28	-0.30	0.0	-5.44e-04	2.83e-04
2772	144	8.12	6.22	-0.22	0.0	1.22e-03	-5.18e-04
2772	159	0.32	-6.25	-0.30	0.0	1.08e-04	-3.27e-05
2772	171	-4.56	-7.08	-0.30	0.0	-6.21e-04	3.20e-04
2772	176	8.17	6.19	-0.22	0.0	1.22e-03	-5.17e-04
2772	191	0.35	-6.11	-0.30	0.0	1.10e-04	-3.48e-05
2772	203	-4.68	-7.10	-0.30	0.0	-6.29e-04	3.26e-04
2772	208	9.63	7.25	-0.21	0.0	1.43e-03	-6.07e-04
2772	215	-7.57	-7.43	-0.31	0.0	-9.39e-04	5.49e-04
2772	235	-5.61	-8.37	-0.31	0.0	-7.57e-04	3.91e-04
2773	28	0.10	-0.58	-0.50	0.0	9.28e-05	4.60e-06
2773	44	0.09	-0.94	-0.44	0.0	8.25e-05	7.65e-06
2773	52	0.11	-0.03	-0.50	0.0	9.25e-05	0.0
2773	80	0.07	-0.39	-0.35	0.0	6.56e-05	3.26e-06
2773	88	0.06	-0.63	-0.31	0.0	5.87e-05	5.29e-06
2773	92	0.07	-0.02	-0.35	0.0	6.53e-05	0.0
2773	98	0.06	-0.02	-0.29	0.0	5.47e-05	0.0
2773	105	0.06	-0.14	-0.28	0.0	5.25e-05	1.72e-06
2773	107	0.06	-0.02	-0.28	0.0	5.24e-05	0.0
2773	112	7.76	5.94	-0.24	0.0	1.04e-03	-4.88e-04
2773	127	0.34	-6.05	-0.32	0.0	9.94e-05	-2.93e-05
2773	139	-4.30	-6.91	-0.32	0.0	-5.11e-04	3.09e-04
2773	144	8.74	6.69	-0.23	0.0	1.16e-03	-5.50e-04
2773	159	0.38	-6.80	-0.32	0.0	1.06e-04	-3.36e-05
2773	171	-4.87	-7.79	-0.32	0.0	-5.84e-04	3.49e-04
2773	176	8.79	6.64	-0.23	0.0	1.16e-03	-5.48e-04
2773	191	0.41	-6.65	-0.32	0.0	1.07e-04	-3.56e-05
2773	203	-4.99	-7.80	-0.32	0.0	-5.92e-04	3.56e-04
2773	208	10.35	7.79	-0.22	0.0	1.36e-03	-6.43e-04
2773	215	-8.05	-7.97	-0.33	0.0	-8.90e-04	5.92e-04
2773	235	-5.98	-9.19	-0.33	0.0	-7.13e-04	4.26e-04
2774	28	0.15	-0.65	-0.53	0.0	8.94e-05	8.68e-06
2774	44	0.13	-1.04	-0.47	0.0	7.92e-05	1.20e-05
2774	52	0.15	-0.05	-0.52	0.0	8.94e-05	3.66e-06
2774	80	0.11	-0.43	-0.37	0.0	6.31e-05	6.15e-06
2774	88	0.09	-0.69	-0.33	0.0	5.64e-05	8.37e-06
2774	92	0.11	-0.04	-0.37	0.0	6.31e-05	2.80e-06
2774	98	0.09	-0.03	-0.31	0.0	5.28e-05	2.77e-06
2774	105	0.09	-0.16	-0.29	0.0	5.05e-05	3.89e-06
2774	107	0.09	-0.03	-0.29	0.0	5.05e-05	2.77e-06
2774	112	8.28	6.35	-0.25	0.0	9.68e-04	-5.11e-04
2774	127	0.39	-6.54	-0.34	0.0	9.63e-05	-3.06e-05
2774	139	-4.55	-7.54	-0.34	0.0	-4.66e-04	3.30e-04
2774	144	9.32	7.16	-0.24	0.0	1.08e-03	-5.77e-04
2774	159	0.43	-7.35	-0.34	0.0	1.02e-04	-3.53e-05
2774	171	-5.16	-8.50	-0.34	0.0	-5.33e-04	3.73e-04
2774	176	9.37	7.10	-0.24	0.0	1.08e-03	-5.73e-04
2774	191	0.46	-7.18	-0.34	0.0	1.03e-04	-3.71e-05

2774	203	-5.28	-8.51	-0.34	0.0	-5.41e-04	3.79e-04
2774	208	11.04	8.32	-0.23	0.0	1.27e-03	-6.73e-04
2774	215	-8.50	-8.51	-0.35	0.0	-8.23e-04	6.25e-04
2774	235	-6.34	-10.01	-0.35	0.0	-6.52e-04	4.53e-04
2775	28	0.20	-0.72	-0.56	0.0	8.54e-05	9.79e-06
2775	44	0.17	-1.14	-0.49	0.0	7.53e-05	1.29e-05
2775	52	0.20	-0.08	-0.55	0.0	8.57e-05	4.87e-06
2775	80	0.14	-0.48	-0.39	0.0	6.03e-05	6.93e-06
2775	88	0.12	-0.76	-0.35	0.0	5.35e-05	8.99e-06
2775	92	0.14	-0.05	-0.39	0.0	6.05e-05	3.65e-06
2775	98	0.12	-0.04	-0.32	0.0	5.05e-05	3.50e-06
2775	105	0.11	-0.18	-0.31	0.0	4.82e-05	4.55e-06
2775	107	0.11	-0.04	-0.31	0.0	4.83e-05	3.46e-06
2775	112	8.75	6.76	-0.26	0.0	8.92e-04	-5.29e-04
2775	127	0.43	-7.04	-0.36	0.0	9.27e-05	-3.27e-05
2775	139	-4.78	-8.17	-0.35	0.0	-4.18e-04	3.44e-04
2775	144	9.86	7.62	-0.25	0.0	9.99e-04	-5.97e-04
2775	159	0.48	-7.91	-0.36	0.0	9.85e-05	-3.78e-05
2775	171	-5.41	-9.20	-0.36	0.0	-4.79e-04	3.88e-04
2775	175	-7.83	-7.23	-0.36	0.0	-7.16e-04	4.74e-04
2775	176	9.91	7.56	-0.25	0.0	9.98e-04	-5.92e-04
2775	203	-5.55	-9.21	-0.36	0.0	-4.86e-04	3.94e-04
2775	208	11.67	8.85	-0.24	0.0	1.16e-03	-6.95e-04
2775	215	-8.91	-9.06	-0.37	0.0	-7.49e-04	6.46e-04
2775	235	-6.66	-10.83	-0.37	0.0	-5.87e-04	4.70e-04
2776	28	0.05	-0.52	-0.51	0.0	1.03e-04	-2.29e-06
2776	44	0.05	-0.85	-0.45	0.0	9.29e-05	0.0
2776	52	0.05	-0.02	-0.50	0.0	1.01e-04	-3.44e-06
2776	80	0.04	-0.34	-0.36	0.0	7.28e-05	-1.55e-06
2776	88	0.03	-0.56	-0.32	0.0	6.61e-05	0.0
2776	92	0.04	-0.01	-0.35	0.0	7.16e-05	-2.32e-06
2776	98	0.03	-8.71e-03	-0.29	0.0	6.03e-05	-1.76e-06
2776	105	0.03	-0.12	-0.28	0.0	5.82e-05	-1.36e-06
2776	107	0.03	-8.04e-03	-0.28	0.0	5.78e-05	-1.62e-06
2776	112	6.97	5.52	-0.21	0.0	8.64e-04	-4.61e-04
2776	127	0.28	-5.56	-0.35	0.0	1.05e-04	-2.81e-05
2776	139	-3.89	-6.28	-0.35	0.0	1.86e-04	2.83e-04
2776	144	7.85	6.22	-0.20	0.0	9.67e-04	-5.19e-04
2776	159	0.32	-6.25	-0.36	0.0	1.11e-04	-3.20e-05
2776	171	-4.40	-7.08	-0.36	0.0	2.01e-04	3.20e-04
2776	176	7.90	6.19	-0.20	0.0	9.65e-04	-5.18e-04
2776	203	-4.52	-7.10	-0.36	0.0	1.93e-04	3.27e-04
2776	208	9.31	7.25	-0.18	0.0	1.12e-03	-6.08e-04
2776	235	-5.41	-8.36	-0.38	0.0	2.08e-04	3.92e-04
2777	28	0.11	-0.58	-0.54	0.0	9.86e-05	4.37e-06
2777	44	0.09	-0.94	-0.48	0.0	8.85e-05	5.84e-06
2777	80	0.08	-0.39	-0.38	0.0	6.97e-05	3.26e-06
2777	88	0.07	-0.63	-0.34	0.0	6.29e-05	4.25e-06
2777	98	0.06	-0.02	-0.31	0.0	5.79e-05	2.14e-06
2777	105	0.06	-0.14	-0.30	0.0	5.58e-05	2.60e-06
2777	107	0.06	-0.02	-0.30	0.0	5.55e-05	2.19e-06
2777	112	7.51	5.93	-0.22	0.0	1.03e-03	-4.88e-04
2777	127	0.34	-6.05	-0.38	0.0	1.03e-04	-2.78e-05
2777	139	-4.16	-6.91	-0.38	0.0	-5.05e-04	3.09e-04
2777	144	8.46	6.69	-0.21	0.0	1.16e-03	-5.50e-04
2777	159	0.38	-6.80	-0.39	0.0	1.10e-04	-3.21e-05
2777	171	-4.71	-7.79	-0.39	0.0	-5.77e-04	3.49e-04
2777	176	8.51	6.64	-0.21	0.0	1.15e-03	-5.47e-04
2777	203	-4.82	-7.80	-0.39	0.0	-5.82e-04	3.56e-04
2777	208	10.02	7.78	-0.19	0.0	1.35e-03	-6.43e-04
2777	235	-5.78	-9.18	-0.41	0.0	-7.01e-04	4.25e-04
2778	28	0.16	-0.65	-0.57	0.0	9.23e-05	7.93e-06
2778	44	0.14	-1.04	-0.51	0.0	8.20e-05	9.30e-06
2778	80	0.11	-0.43	-0.40	0.0	6.52e-05	5.84e-06
2778	88	0.10	-0.69	-0.36	0.0	5.83e-05	6.75e-06
2778	98	0.09	-0.03	-0.33	0.0	5.45e-05	4.30e-06
2778	105	0.09	-0.16	-0.32	0.0	5.22e-05	4.76e-06
2778	107	0.09	-0.03	-0.31	0.0	5.21e-05	4.30e-06
2778	112	8.03	6.35	-0.23	0.0	9.64e-04	-5.07e-04
2778	127	0.39	-6.54	-0.40	0.0	1.01e-04	-2.92e-05
2778	139	-4.40	-7.54	-0.40	0.0	-4.62e-04	3.28e-04
2778	144	9.04	7.16	-0.21	0.0	1.08e-03	-5.72e-04
2778	159	0.43	-7.35	-0.41	0.0	1.07e-04	-3.39e-05
2778	171	-4.99	-8.49	-0.41	0.0	-5.28e-04	3.70e-04
2778	176	9.09	7.10	-0.21	0.0	1.08e-03	-5.68e-04

2778	203	-5.11	-8.51	-0.41	0.0	-5.35e-04	3.76e-04
2778	208	10.70	8.32	-0.20	0.0	1.26e-03	-6.67e-04
2778	235	-6.12	-10.01	-0.43	0.0	-6.44e-04	4.49e-04
2779	28	0.20	-0.72	-0.60	0.0	8.53e-05	8.59e-06
2779	44	0.18	-1.14	-0.54	0.0	7.48e-05	9.65e-06
2779	80	0.14	-0.48	-0.42	0.0	6.02e-05	6.26e-06
2779	88	0.13	-0.76	-0.38	0.0	5.32e-05	6.97e-06
2779	98	0.12	-0.04	-0.34	0.0	5.06e-05	4.69e-06
2779	105	0.11	-0.18	-0.33	0.0	4.82e-05	5.08e-06
2779	107	0.11	-0.04	-0.33	0.0	4.84e-05	4.64e-06
2779	112	8.51	6.76	-0.24	0.0	8.87e-04	-5.20e-04
2779	127	0.44	-7.04	-0.43	0.0	9.76e-05	-3.23e-05
2779	139	-4.63	-8.17	-0.42	0.0	-4.16e-04	3.39e-04
2779	144	9.57	7.62	-0.22	0.0	9.94e-04	-5.87e-04
2779	159	0.48	-7.90	-0.44	0.0	1.04e-04	-3.75e-05
2779	171	-5.25	-9.20	-0.44	0.0	-4.75e-04	3.83e-04
2779	176	9.62	7.56	-0.22	0.0	9.92e-04	-5.82e-04
2779	203	-5.37	-9.21	-0.44	0.0	-4.82e-04	3.88e-04
2779	208	11.32	8.85	-0.20	0.0	1.16e-03	-6.83e-04
2779	235	-6.44	-10.83	-0.46	0.0	-5.82e-04	4.63e-04
2780	28	0.05	-0.51	-0.56	0.0	1.12e-04	-1.69e-06
2780	44	0.04	-0.84	-0.51	0.0	1.02e-04	0.0
2780	52	0.05	-0.02	-0.55	0.0	1.10e-04	-2.10e-06
2780	80	0.04	-0.34	-0.40	0.0	7.93e-05	-1.08e-06
2780	88	0.03	-0.56	-0.36	0.0	7.25e-05	0.0
2780	92	0.04	-0.01	-0.38	0.0	7.78e-05	-1.36e-06
2780	98	0.03	-7.77e-03	-0.32	0.0	6.59e-05	0.0
2780	105	0.03	-0.12	-0.31	0.0	6.38e-05	0.0
2780	107	0.03	-7.14e-03	-0.31	0.0	6.33e-05	0.0
2780	112	6.73	5.52	-0.17	0.0	8.54e-04	-4.59e-04
2780	127	0.28	-5.56	-0.45	0.0	1.11e-04	-2.70e-05
2780	139	-3.76	-6.28	-0.45	0.0	2.00e-04	2.82e-04
2780	144	7.58	6.22	-0.15	0.0	9.54e-04	-5.17e-04
2780	159	0.32	-6.25	-0.47	0.0	1.17e-04	-3.09e-05
2780	171	-4.25	-7.08	-0.47	0.0	2.16e-04	3.19e-04
2780	176	7.62	6.19	-0.15	0.0	9.51e-04	-5.16e-04
2780	203	-4.35	-7.10	-0.47	0.0	2.09e-04	3.25e-04
2780	208	8.98	7.25	-0.13	0.0	1.11e-03	-6.07e-04
2780	235	-5.21	-8.36	-0.50	0.0	2.25e-04	3.89e-04
2781	28	0.11	-0.58	-0.60	0.0	1.04e-04	4.83e-06
2781	44	0.10	-0.94	-0.54	0.0	9.39e-05	5.36e-06
2781	80	0.08	-0.39	-0.42	0.0	7.39e-05	3.71e-06
2781	88	0.07	-0.63	-0.39	0.0	6.70e-05	4.06e-06
2781	98	0.06	-0.02	-0.34	0.0	6.16e-05	3.36e-06
2781	105	0.06	-0.14	-0.33	0.0	5.94e-05	3.51e-06
2781	107	0.06	-0.02	-0.33	0.0	5.91e-05	3.40e-06
2781	112	7.27	5.93	-0.18	0.0	8.26e-04	-4.80e-04
2781	127	0.34	-6.04	-0.49	0.0	1.09e-04	-2.66e-05
2781	139	-4.01	-6.91	-0.48	0.0	1.83e-04	3.03e-04
2781	144	8.19	6.69	-0.16	0.0	9.24e-04	-5.42e-04
2781	159	0.38	-6.79	-0.50	0.0	1.16e-04	-3.09e-05
2781	171	-4.55	-7.79	-0.50	0.0	1.97e-04	3.43e-04
2781	176	8.23	6.64	-0.16	0.0	9.20e-04	-5.40e-04
2781	203	-4.65	-7.80	-0.50	0.0	1.91e-04	3.49e-04
2781	208	9.69	7.78	-0.13	0.0	1.07e-03	-6.34e-04
2781	235	-5.57	-9.18	-0.53	0.0	2.05e-04	4.17e-04
2782	28	0.16	-0.65	-0.63	0.0	9.45e-05	6.93e-06
2782	44	0.14	-1.04	-0.58	0.0	8.38e-05	7.32e-06
2782	80	0.11	-0.43	-0.45	0.0	6.67e-05	5.31e-06
2782	88	0.10	-0.69	-0.41	0.0	5.96e-05	5.57e-06
2782	98	0.10	-0.03	-0.36	0.0	5.58e-05	5.01e-06
2782	105	0.09	-0.16	-0.35	0.0	5.35e-05	5.12e-06
2782	107	0.09	-0.03	-0.35	0.0	5.34e-05	5.04e-06
2782	112	7.79	6.35	-0.19	0.0	9.69e-04	-4.92e-04
2782	127	0.39	-6.54	-0.52	0.0	1.06e-04	-2.96e-05
2782	139	-4.26	-7.54	-0.51	0.0	-4.63e-04	3.16e-04
2782	144	8.77	7.16	-0.16	0.0	1.09e-03	-5.55e-04
2782	159	0.44	-7.35	-0.54	0.0	1.13e-04	-3.45e-05
2782	171	-4.83	-8.49	-0.53	0.0	-5.30e-04	3.57e-04
2782	176	8.81	7.10	-0.16	0.0	1.08e-03	-5.52e-04
2782	203	-4.94	-8.50	-0.53	0.0	-5.34e-04	3.62e-04
2782	208	10.36	8.32	-0.13	0.0	1.26e-03	-6.48e-04
2782	235	-5.91	-10.00	-0.57	0.0	-6.44e-04	4.32e-04
2783	28	0.21	-0.72	-0.67	0.0	8.46e-05	6.74e-06
2783	44	0.19	-1.14	-0.61	0.0	7.38e-05	6.93e-06

2783	80	0.15	-0.48	-0.47	0.0	5.95e-05	5.13e-06
2783	88	0.13	-0.76	-0.43	0.0	5.24e-05	5.26e-06
2783	98	0.12	-0.04	-0.38	0.0	5.00e-05	4.86e-06
2783	105	0.12	-0.18	-0.37	0.0	4.75e-05	4.93e-06
2783	107	0.12	-0.04	-0.36	0.0	4.77e-05	4.86e-06
2783	112	8.27	6.76	-0.19	0.0	8.91e-04	-5.02e-04
2783	127	0.45	-7.03	-0.55	0.0	1.02e-04	-3.44e-05
2783	139	-4.49	-8.17	-0.54	0.0	-4.19e-04	3.25e-04
2783	144	9.31	7.62	-0.17	0.0	9.98e-04	-5.66e-04
2783	159	0.49	-7.90	-0.57	0.0	1.09e-04	-3.99e-05
2783	171	-5.09	-9.20	-0.56	0.0	-4.79e-04	3.67e-04
2783	176	9.35	7.56	-0.17	0.0	9.95e-04	-5.61e-04
2783	203	-5.20	-9.21	-0.57	0.0	-4.84e-04	3.71e-04
2783	208	11.00	8.85	-0.13	0.0	1.16e-03	-6.58e-04
2783	235	-6.23	-10.83	-0.60	0.0	-5.84e-04	4.43e-04
2784	28	0.05	-0.51	-0.64	0.0	1.24e-04	0.0
2784	44	0.04	-0.84	-0.58	0.0	1.13e-04	0.0
2784	52	0.05	-0.01	-0.61	0.0	1.21e-04	0.0
2784	80	0.04	-0.34	-0.45	0.0	8.80e-05	0.0
2784	88	0.03	-0.56	-0.41	0.0	8.07e-05	0.0
2784	92	0.04	-9.23e-03	-0.43	0.0	8.64e-05	0.0
2784	98	0.03	-6.86e-03	-0.36	0.0	7.35e-05	0.0
2784	105	0.03	-0.12	-0.35	0.0	7.13e-05	0.0
2784	107	0.03	-6.26e-03	-0.34	0.0	7.08e-05	0.0
2784	112	6.49	5.52	-0.10	0.0	8.49e-04	-4.43e-04
2784	127	0.29	-5.55	-0.60	0.0	1.23e-04	-2.63e-05
2784	139	-3.62	-6.28	-0.60	0.0	2.10e-04	2.73e-04
2784	144	7.32	6.22	-0.07	0.0	9.48e-04	-5.00e-04
2784	167	-4.29	-7.03	-0.64	0.0	1.73e-04	3.01e-04
2784	171	-4.10	-7.08	-0.63	0.0	2.26e-04	3.08e-04
2784	176	7.35	6.19	-0.07	0.0	9.43e-04	-4.99e-04
2784	203	-4.19	-7.10	-0.64	0.0	2.19e-04	3.14e-04
2784	208	8.66	7.25	-0.02	0.0	1.09e-03	-5.86e-04
2784	235	-5.01	-8.36	-0.69	0.0	2.36e-04	3.76e-04
2785	28	0.11	-0.58	-0.69	0.0	1.09e-04	3.21e-06
2785	44	0.10	-0.94	-0.63	0.0	9.81e-05	3.13e-06
2785	80	0.08	-0.39	-0.49	0.0	7.74e-05	2.57e-06
2785	88	0.07	-0.63	-0.45	0.0	7.01e-05	2.53e-06
2785	98	0.07	-0.02	-0.39	0.0	6.50e-05	2.88e-06
2785	105	0.06	-0.14	-0.38	0.0	6.27e-05	2.83e-06
2785	107	0.06	-0.02	-0.37	0.0	6.25e-05	2.93e-06
2785	112	7.03	5.93	-0.10	0.0	1.04e-03	-4.56e-04
2785	127	0.35	-6.04	-0.66	0.0	1.19e-04	-3.03e-05
2785	139	-3.87	-6.91	-0.66	0.0	-4.94e-04	2.86e-04
2785	144	7.92	6.69	-0.07	0.0	1.16e-03	-5.14e-04
2785	159	0.39	-6.79	-0.70	0.0	1.26e-04	-3.51e-05
2785	171	-4.38	-7.78	-0.69	0.0	-5.65e-04	3.23e-04
2785	176	7.96	6.64	-0.07	0.0	1.15e-03	-5.13e-04
2785	203	-4.48	-7.80	-0.70	0.0	-5.67e-04	3.28e-04
2785	208	9.36	7.78	-0.01	0.0	1.34e-03	-6.03e-04
2785	235	-5.36	-9.18	-0.75	0.0	-6.83e-04	3.92e-04
2786	28	0.17	-0.65	-0.74	0.0	9.50e-05	3.08e-06
2786	44	0.15	-1.04	-0.68	0.0	8.42e-05	3.27e-06
2786	80	0.12	-0.43	-0.52	0.0	6.72e-05	2.65e-06
2786	88	0.11	-0.69	-0.48	0.0	5.99e-05	2.78e-06
2786	98	0.10	-0.03	-0.42	0.0	5.65e-05	3.28e-06
2786	105	0.09	-0.16	-0.41	0.0	5.40e-05	3.28e-06
2786	107	0.09	-0.03	-0.40	0.0	5.40e-05	3.40e-06
2786	112	7.56	6.35	-0.10	0.0	9.84e-04	-4.64e-04
2786	127	0.41	-6.54	-0.71	0.0	1.13e-04	-3.70e-05
2786	139	-4.12	-7.54	-0.71	0.0	-4.70e-04	2.94e-04
2786	144	8.51	7.16	-0.06	0.0	1.10e-03	-5.23e-04
2786	159	0.45	-7.35	-0.75	0.0	1.21e-04	-4.27e-05
2786	171	-4.67	-8.49	-0.75	0.0	-5.37e-04	3.32e-04
2786	176	8.54	7.10	-0.06	0.0	1.10e-03	-5.20e-04
2786	203	-4.77	-8.50	-0.75	0.0	-5.40e-04	3.36e-04
2786	208	10.05	8.32	-3.32e-03	0.0	1.28e-03	-6.10e-04
2786	235	-5.71	-10.00	-0.82	0.0	-6.50e-04	4.01e-04
2787	28	0.21	-0.72	-0.79	0.0	8.29e-05	2.63e-06
2787	44	0.19	-1.14	-0.73	0.0	7.19e-05	2.99e-06
2787	80	0.15	-0.48	-0.56	0.0	5.82e-05	2.36e-06
2787	88	0.13	-0.76	-0.51	0.0	5.08e-05	2.60e-06
2787	98	0.13	-0.04	-0.45	0.0	4.84e-05	3.08e-06
2787	105	0.12	-0.18	-0.44	0.0	4.59e-05	3.13e-06
2787	107	0.12	-0.04	-0.43	0.0	4.61e-05	3.23e-06

2787	112	8.05	6.76	-0.10	0.0	9.05e-04	-4.72e-04
2787	127	0.46	-7.03	-0.77	0.0	1.05e-04	-4.32e-05
2787	139	-4.35	-8.17	-0.76	0.0	-4.32e-04	3.01e-04
2787	144	9.06	7.62	-0.06	0.0	1.01e-03	-5.32e-04
2787	159	0.51	-7.90	-0.81	0.0	1.12e-04	-4.96e-05
2787	171	-4.93	-9.20	-0.80	0.0	-4.94e-04	3.40e-04
2787	176	9.09	7.56	-0.06	0.0	1.01e-03	-5.27e-04
2787	203	-5.03	-9.21	-0.80	0.0	-4.97e-04	3.43e-04
2787	208	10.69	8.85	1.40e-03	0.0	1.18e-03	-6.18e-04
2787	235	-6.03	-10.83	-0.87	0.0	-5.98e-04	4.09e-04
2788	4	0.27	0.56	-1.01	0.0	6.40e-05	-1.41e-05
2788	44	0.11	-1.24	-0.75	0.0	1.43e-04	3.31e-05
2788	68	0.19	0.37	-0.71	0.0	4.59e-05	-9.67e-06
2788	88	0.08	-0.83	-0.54	0.0	9.86e-05	2.18e-05
2788	98	0.14	-0.06	-0.57	0.0	5.00e-05	-2.70e-06
2788	105	0.12	-0.21	-0.53	0.0	5.69e-05	2.30e-06
2788	107	0.14	-0.06	-0.55	0.0	4.78e-05	-2.64e-06
2788	112	10.63	7.15	-0.48	0.0	8.90e-04	-4.30e-04
2788	136	6.10	8.66	-1.07	0.0	5.09e-04	-2.82e-04
2788	139	-5.83	-8.77	-0.03	0.0	-4.13e-04	2.77e-04
2788	144	11.97	8.06	-0.47	0.0	9.97e-04	-4.85e-04
2788	168	6.88	9.77	-1.13	0.0	5.69e-04	-3.18e-04
2788	171	-6.61	-9.88	0.04	0.0	-4.73e-04	3.13e-04
2788	176	12.06	7.99	-0.48	0.0	1.00e-03	-4.77e-04
2788	200	7.08	9.77	-1.12	0.0	5.81e-04	-3.19e-04
2788	203	-6.80	-9.88	0.03	0.0	-4.85e-04	3.14e-04
2788	216	14.27	10.03	-1.00	0.0	1.10e-03	-6.21e-04
2788	232	8.46	11.50	-1.22	0.0	6.85e-04	-3.79e-04
2788	235	-8.18	-11.61	0.13	0.0	-5.89e-04	3.73e-04
2789	4	0.30	0.57	-1.07	0.0	5.52e-05	-8.73e-06
2789	44	0.19	-1.33	-0.80	0.0	1.71e-04	1.69e-05
2789	68	0.21	0.37	-0.75	0.0	4.00e-05	-6.02e-06
2789	88	0.14	-0.89	-0.57	0.0	1.17e-04	1.11e-05
2789	98	0.17	-0.08	-0.61	0.0	4.97e-05	-2.32e-06
2789	105	0.15	-0.24	-0.57	0.0	6.03e-05	0.0
2789	107	0.16	-0.07	-0.58	0.0	4.74e-05	-2.26e-06
2789	112	11.06	7.53	-0.51	0.0	8.63e-04	-4.76e-04
2789	136	6.34	9.21	-1.12	0.0	4.90e-04	-3.08e-04
2789	139	-6.02	-9.36	-0.04	0.0	-3.95e-04	3.04e-04
2789	144	12.45	8.49	-0.50	0.0	9.67e-04	-5.36e-04
2789	168	7.15	10.39	-1.19	0.0	5.47e-04	-3.48e-04
2789	171	-6.83	-10.54	0.03	0.0	-4.52e-04	3.43e-04
2789	176	12.54	8.40	-0.51	0.0	9.70e-04	-5.28e-04
2789	200	7.35	10.39	-1.18	0.0	5.58e-04	-3.50e-04
2789	203	-7.03	-10.53	0.02	0.0	-4.63e-04	3.45e-04
2789	216	14.79	10.56	-1.05	0.0	1.05e-03	-6.88e-04
2789	232	8.78	12.22	-1.28	0.0	6.58e-04	-4.16e-04
2789	235	-8.46	-12.37	0.12	0.0	-5.63e-04	4.11e-04
2790	4	0.32	0.57	-1.18	-3.59e-04	1.50e-04	-2.42e-06
2790	44	0.29	-1.44	-0.88	-2.08e-04	-1.81e-05	-4.01e-06
2790	52	0.33	-0.18	-1.12	-3.16e-04	1.14e-04	-3.83e-06
2790	68	0.23	0.37	-0.83	-2.54e-04	1.06e-04	-1.76e-06
2790	88	0.20	-0.96	-0.63	-1.54e-04	-6.76e-06	-2.82e-06
2790	92	0.23	-0.13	-0.79	-2.25e-04	8.16e-05	-2.70e-06
2790	98	0.19	-0.10	-0.67	-1.97e-04	6.99e-05	-2.18e-06
2790	105	0.18	-0.27	-0.62	-1.79e-04	5.12e-05	-2.17e-06
2790	107	0.18	-0.10	-0.64	-1.89e-04	6.73e-05	-2.09e-06
2790	112	11.48	7.89	-0.57	-1.39e-04	7.85e-04	-5.27e-04
2790	136	6.58	9.74	-1.20	-7.12e-04	4.74e-04	-3.38e-04
2790	139	-6.21	-9.93	-0.08	3.34e-04	-3.39e-04	3.33e-04
2790	144	12.92	8.90	-0.56	-1.33e-04	8.76e-04	-5.94e-04
2790	168	7.42	10.99	-1.27	-7.78e-04	5.27e-04	-3.81e-04
2790	171	-7.05	-11.18	-8.17e-03	3.99e-04	-3.92e-04	3.77e-04
2790	176	13.01	8.80	-0.57	-1.43e-04	8.80e-04	-5.86e-04
2790	200	7.62	10.98	-1.26	-7.70e-04	5.40e-04	-3.84e-04
2790	203	-7.25	-11.17	-0.02	3.91e-04	-4.05e-04	3.80e-04
2790	208	15.32	10.30	-0.56	-1.40e-04	1.03e-03	-6.85e-04
2790	232	9.10	12.92	-1.36	-8.67e-04	6.35e-04	-4.57e-04
2790	235	-8.73	-13.12	0.09	4.88e-04	-5.00e-04	4.53e-04
2791	4	0.26	0.56	-0.81	0.0	6.98e-05	-1.61e-05
2791	44	0.13	-1.24	-0.63	0.0	1.24e-04	4.01e-05
2791	68	0.18	0.37	-0.57	0.0	4.99e-05	-1.10e-05
2791	88	0.10	-0.83	-0.45	0.0	8.61e-05	2.65e-05
2791	98	0.14	-0.06	-0.46	0.0	5.02e-05	-2.55e-06
2791	105	0.12	-0.21	-0.43	0.0	5.45e-05	3.36e-06

2791	107	0.14	-0.06	-0.44	0.0	4.80e-05	-2.49e-06
2791	112	10.43	7.15	-0.41	0.0	8.62e-04	-4.62e-04
2791	136	5.97	8.66	-0.72	0.0	4.92e-04	-3.01e-04
2791	139	-5.70	-8.77	-0.17	0.0	-3.96e-04	2.96e-04
2791	144	11.74	8.06	-0.40	0.0	9.65e-04	-5.20e-04
2791	168	6.74	9.77	-0.75	0.0	5.50e-04	-3.40e-04
2791	171	-6.47	-9.88	-0.13	0.0	-4.54e-04	3.35e-04
2791	176	11.82	7.99	-0.41	0.0	9.68e-04	-5.13e-04
2791	200	6.93	9.77	-0.75	0.0	5.61e-04	-3.42e-04
2791	203	-6.66	-9.88	-0.14	0.0	-4.65e-04	3.37e-04
2791	208	13.93	9.35	-0.40	0.0	1.13e-03	-5.99e-04
2791	232	8.28	11.50	-0.80	0.0	6.60e-04	-4.07e-04
2791	235	-8.00	-11.61	-0.08	0.0	-5.64e-04	4.02e-04
2792	4	0.29	0.57	-0.87	0.0	6.36e-05	-1.03e-05
2792	44	0.20	-1.33	-0.68	0.0	1.46e-04	2.12e-05
2792	68	0.20	0.37	-0.61	0.0	4.57e-05	-7.04e-06
2792	88	0.15	-0.89	-0.48	0.0	1.00e-04	1.39e-05
2792	98	0.17	-0.08	-0.50	0.0	5.02e-05	-2.41e-06
2792	105	0.15	-0.24	-0.47	0.0	5.73e-05	0.0
2792	107	0.16	-0.07	-0.47	0.0	4.80e-05	-2.34e-06
2792	112	10.83	7.53	-0.44	0.0	8.20e-04	-4.92e-04
2792	136	6.21	9.21	-0.76	0.0	4.65e-04	-3.19e-04
2792	139	-5.89	-9.36	-0.18	0.0	-3.69e-04	3.14e-04
2792	144	12.19	8.49	-0.43	0.0	9.18e-04	-5.54e-04
2792	168	7.00	10.39	-0.80	0.0	5.19e-04	-3.60e-04
2792	171	-6.68	-10.54	-0.15	0.0	-4.23e-04	3.55e-04
2792	176	12.28	8.40	-0.44	0.0	9.20e-04	-5.47e-04
2792	200	7.19	10.39	-0.80	0.0	5.28e-04	-3.62e-04
2792	203	-6.87	-10.54	-0.15	0.0	-4.32e-04	3.57e-04
2792	208	14.46	9.84	-0.43	0.0	1.08e-03	-6.39e-04
2792	232	8.59	12.23	-0.85	0.0	6.21e-04	-4.31e-04
2792	235	-8.27	-12.37	-0.10	0.0	-5.25e-04	4.26e-04
2793	4	0.32	0.57	-0.98	-3.10e-04	1.39e-04	-2.37e-06
2793	44	0.28	-1.44	-0.76	-1.83e-04	1.10e-05	-3.27e-06
2793	52	0.33	-0.18	-0.94	-2.74e-04	1.12e-04	-3.57e-06
2793	68	0.23	0.37	-0.69	-2.19e-04	9.75e-05	-1.70e-06
2793	88	0.20	-0.96	-0.55	-1.35e-04	1.24e-05	-2.31e-06
2793	92	0.23	-0.13	-0.66	-1.95e-04	7.98e-05	-2.50e-06
2793	98	0.19	-0.10	-0.56	-1.70e-04	6.82e-05	-2.00e-06
2793	105	0.18	-0.27	-0.52	-1.55e-04	5.37e-05	-1.93e-06
2793	107	0.18	-0.10	-0.53	-1.63e-04	6.56e-05	-1.92e-06
2793	112	11.22	7.89	-0.49	-1.21e-04	7.61e-04	-5.29e-04
2793	136	6.42	9.74	-0.84	-5.65e-04	4.61e-04	-3.39e-04
2793	139	-6.06	-9.93	-0.23	2.38e-04	-3.30e-04	3.35e-04
2793	144	12.63	8.90	-0.49	-1.16e-04	8.49e-04	-5.95e-04
2793	168	7.24	10.99	-0.88	-6.15e-04	5.13e-04	-3.82e-04
2793	171	-6.88	-11.18	-0.19	2.89e-04	-3.81e-04	3.78e-04
2793	176	12.72	8.80	-0.49	-1.23e-04	8.52e-04	-5.88e-04
2793	200	7.44	10.98	-0.87	-6.09e-04	5.24e-04	-3.85e-04
2793	203	-7.07	-11.17	-0.19	2.83e-04	-3.93e-04	3.81e-04
2793	208	14.98	10.30	-0.49	-1.20e-04	9.93e-04	-6.87e-04
2793	232	8.88	12.92	-0.93	-6.84e-04	6.15e-04	-4.58e-04
2793	235	-8.51	-13.12	-0.14	3.58e-04	-4.84e-04	4.55e-04
2794	4	0.25	0.56	-0.69	0.0	7.50e-05	-1.39e-05
2794	44	0.16	-1.23	-0.56	0.0	1.07e-04	3.66e-05
2794	68	0.17	0.37	-0.48	0.0	5.33e-05	-9.44e-06
2794	88	0.11	-0.83	-0.40	0.0	7.43e-05	2.42e-05
2794	98	0.14	-0.06	-0.39	0.0	5.01e-05	-1.85e-06
2794	105	0.13	-0.21	-0.37	0.0	5.21e-05	3.47e-06
2794	107	0.13	-0.06	-0.38	0.0	4.79e-05	-1.79e-06
2794	112	10.20	7.15	-0.36	0.0	8.50e-04	-4.93e-04
2794	136	5.84	8.66	-0.51	0.0	4.85e-04	-3.20e-04
2794	139	-5.57	-8.77	-0.24	0.0	-3.89e-04	3.16e-04
2794	144	11.48	8.06	-0.36	0.0	9.51e-04	-5.55e-04
2794	168	6.58	9.77	-0.53	0.0	5.42e-04	-3.61e-04
2794	171	-6.32	-9.88	-0.22	0.0	-4.46e-04	3.57e-04
2794	176	11.56	7.99	-0.36	0.0	9.53e-04	-5.49e-04
2794	200	6.76	9.77	-0.53	0.0	5.52e-04	-3.64e-04
2794	203	-6.49	-9.88	-0.23	0.0	-4.56e-04	3.61e-04
2794	208	13.61	9.35	-0.36	0.0	1.11e-03	-6.42e-04
2794	232	8.08	11.50	-0.55	0.0	6.49e-04	-4.34e-04
2794	235	-7.81	-11.61	-0.20	0.0	-5.53e-04	4.31e-04
2795	4	0.29	0.57	-0.74	0.0	7.12e-05	-9.01e-06
2795	44	0.22	-1.33	-0.60	0.0	1.21e-04	1.95e-05
2795	68	0.20	0.37	-0.52	0.0	5.08e-05	-6.15e-06

2795	88	0.16	-0.89	-0.43	0.0	8.37e-05	1.29e-05
2795	98	0.17	-0.08	-0.43	0.0	5.03e-05	-1.95e-06
2795	105	0.15	-0.24	-0.40	0.0	5.41e-05	1.13e-06
2795	107	0.16	-0.07	-0.41	0.0	4.81e-05	-1.87e-06
2795	112	10.59	7.53	-0.39	0.0	8.01e-04	-5.12e-04
2795	136	6.06	9.21	-0.55	0.0	4.53e-04	-3.30e-04
2795	139	-5.75	-9.36	-0.26	0.0	-3.57e-04	3.26e-04
2795	144	11.92	8.49	-0.39	0.0	8.97e-04	-5.76e-04
2795	168	6.84	10.39	-0.57	0.0	5.06e-04	-3.73e-04
2795	171	-6.52	-10.54	-0.24	0.0	-4.10e-04	3.69e-04
2795	176	12.01	8.41	-0.39	0.0	8.97e-04	-5.70e-04
2795	200	7.02	10.39	-0.57	0.0	5.15e-04	-3.76e-04
2795	203	-6.70	-10.54	-0.25	0.0	-4.18e-04	3.72e-04
2795	208	14.14	9.84	-0.39	0.0	1.05e-03	-6.66e-04
2795	232	8.38	12.23	-0.59	0.0	6.05e-04	-4.48e-04
2795	235	-8.06	-12.38	-0.22	0.0	-5.08e-04	4.44e-04
2796	4	0.32	0.57	-0.84	-2.75e-04	1.28e-04	-2.40e-06
2796	44	0.28	-1.44	-0.68	-1.66e-04	3.91e-05	-3.62e-06
2796	52	0.33	-0.18	-0.82	-2.44e-04	1.10e-04	-3.68e-06
2796	68	0.22	0.37	-0.59	-1.94e-04	9.01e-05	-1.73e-06
2796	88	0.20	-0.96	-0.49	-1.21e-04	3.11e-05	-2.55e-06
2796	92	0.23	-0.13	-0.58	-1.74e-04	7.84e-05	-2.59e-06
2796	98	0.19	-0.10	-0.48	-1.50e-04	6.68e-05	-2.09e-06
2796	105	0.18	-0.27	-0.45	-1.38e-04	5.64e-05	-2.04e-06
2796	107	0.18	-0.10	-0.46	-1.45e-04	6.43e-05	-2.00e-06
2796	112	10.97	7.89	-0.44	-1.10e-04	7.37e-04	-5.28e-04
2796	136	6.28	9.74	-0.61	-4.59e-04	4.48e-04	-3.38e-04
2796	139	-5.91	-9.93	-0.31	1.70e-04	-3.19e-04	3.34e-04
2796	144	12.35	8.90	-0.44	-1.05e-04	8.22e-04	-5.95e-04
2796	168	7.07	10.99	-0.63	-4.98e-04	4.98e-04	-3.82e-04
2796	171	-6.71	-11.18	-0.29	2.09e-04	-3.69e-04	3.78e-04
2796	176	12.43	8.80	-0.44	-1.11e-04	8.24e-04	-5.87e-04
2796	200	7.26	10.98	-0.63	-4.94e-04	5.08e-04	-3.85e-04
2796	203	-6.90	-11.18	-0.29	2.05e-04	-3.79e-04	3.81e-04
2796	208	14.64	10.31	-0.44	-1.08e-04	9.60e-04	-6.86e-04
2796	232	8.66	12.92	-0.66	-5.52e-04	5.95e-04	-4.58e-04
2796	235	-8.30	-13.12	-0.26	2.63e-04	-4.66e-04	4.54e-04
2797	4	0.24	0.56	-0.60	0.0	7.89e-05	-9.97e-06
2797	44	0.18	-1.23	-0.51	0.0	9.24e-05	2.89e-05
2797	68	0.17	0.37	-0.42	0.0	5.59e-05	-6.67e-06
2797	88	0.13	-0.83	-0.36	0.0	6.49e-05	1.92e-05
2797	98	0.14	-0.06	-0.35	0.0	4.99e-05	0.0
2797	105	0.13	-0.21	-0.33	0.0	5.01e-05	3.22e-06
2797	107	0.13	-0.06	-0.33	0.0	4.78e-05	0.0
2797	112	9.95	7.15	-0.33	0.0	8.44e-04	-5.17e-04
2797	136	5.69	8.66	-0.38	0.0	4.82e-04	-3.33e-04
2797	139	-5.42	-8.77	-0.29	0.0	-3.87e-04	3.32e-04
2797	144	11.20	8.07	-0.33	0.0	9.45e-04	-5.82e-04
2797	168	6.42	9.77	-0.39	0.0	5.38e-04	-3.76e-04
2797	171	-6.15	-9.88	-0.28	0.0	-4.43e-04	3.75e-04
2797	176	11.28	7.99	-0.33	0.0	9.46e-04	-5.77e-04
2797	200	6.59	9.77	-0.39	0.0	5.47e-04	-3.81e-04
2797	203	-6.32	-9.88	-0.28	0.0	-4.52e-04	3.79e-04
2797	208	13.28	9.35	-0.33	0.0	1.11e-03	-6.76e-04
2797	232	7.86	11.50	-0.40	0.0	6.44e-04	-4.55e-04
2797	235	-7.60	-11.61	-0.27	0.0	-5.48e-04	4.53e-04
2798	4	0.28	0.57	-0.65	0.0	7.68e-05	-6.53e-06
2798	44	0.23	-1.33	-0.55	0.0	1.00e-04	1.56e-05
2798	52	0.28	-0.14	-0.64	0.0	8.49e-05	-2.23e-06
2798	68	0.20	0.38	-0.46	0.0	5.45e-05	-4.41e-06
2798	88	0.16	-0.89	-0.39	0.0	7.00e-05	1.03e-05
2798	92	0.20	-0.10	-0.45	0.0	5.99e-05	-1.54e-06
2798	98	0.16	-0.08	-0.38	0.0	5.00e-05	-1.19e-06
2798	105	0.15	-0.23	-0.36	0.0	5.12e-05	1.21e-06
2798	107	0.16	-0.07	-0.36	0.0	4.78e-05	-1.12e-06
2798	112	10.34	7.53	-0.35	0.0	7.99e-04	-5.31e-04
2798	136	5.92	9.22	-0.41	0.0	4.53e-04	-3.41e-04
2798	139	-5.60	-9.36	-0.31	0.0	-3.57e-04	3.38e-04
2798	144	11.64	8.49	-0.35	0.0	8.94e-04	-5.98e-04
2798	168	6.67	10.40	-0.41	0.0	5.05e-04	-3.85e-04
2798	171	-6.35	-10.54	-0.30	0.0	-4.10e-04	3.83e-04
2798	176	11.72	8.41	-0.35	0.0	8.95e-04	-5.92e-04
2798	200	6.84	10.39	-0.41	0.0	5.13e-04	-3.89e-04
2798	203	-6.53	-10.54	-0.30	0.0	-4.18e-04	3.87e-04
2798	208	13.80	9.84	-0.35	0.0	1.04e-03	-6.93e-04

2798	232	8.16	12.23	-0.42	0.0	6.03e-04	-4.64e-04
2798	235	-7.85	-12.38	-0.29	0.0	-5.07e-04	4.62e-04
2799	4	0.32	0.57	-0.73	-2.79e-04	1.21e-04	-2.41e-06
2799	44	0.28	-1.44	-0.62	-1.73e-04	5.75e-05	-3.21e-06
2799	52	0.32	-0.18	-0.72	-2.50e-04	1.09e-04	-3.57e-06
2799	68	0.22	0.37	-0.51	-1.97e-04	8.54e-05	-1.74e-06
2799	88	0.20	-0.96	-0.44	-1.27e-04	4.32e-05	-2.27e-06
2799	92	0.23	-0.13	-0.51	-1.77e-04	7.75e-05	-2.51e-06
2799	98	0.19	-0.10	-0.42	-1.53e-04	6.60e-05	-2.02e-06
2799	105	0.18	-0.27	-0.40	-1.40e-04	5.82e-05	-1.93e-06
2799	107	0.18	-0.10	-0.40	-1.47e-04	6.35e-05	-1.93e-06
2799	112	10.72	7.89	-0.40	-1.15e-04	7.15e-04	-5.32e-04
2799	134	0.63	6.34	-0.45	-4.29e-04	9.78e-05	-4.77e-05
2799	139	-5.77	-9.93	-0.35	1.36e-04	-3.09e-04	3.37e-04
2799	144	12.07	8.90	-0.40	-1.11e-04	7.98e-04	-5.99e-04
2799	166	0.69	7.15	-0.46	-4.64e-04	1.03e-04	-5.40e-05
2799	171	-6.55	-11.18	-0.35	1.72e-04	-3.58e-04	3.81e-04
2799	176	12.15	8.80	-0.40	-1.16e-04	7.99e-04	-5.92e-04
2799	200	7.09	10.98	-0.46	-4.61e-04	4.93e-04	-3.88e-04
2799	203	-6.72	-11.18	-0.35	1.68e-04	-3.66e-04	3.84e-04
2799	208	14.30	10.31	-0.40	-1.13e-04	9.30e-04	-6.92e-04
2799	232	8.45	12.92	-0.47	-5.14e-04	5.77e-04	-4.62e-04
2799	235	-8.09	-13.12	-0.34	2.21e-04	-4.50e-04	4.58e-04
2800	4	0.24	0.56	-0.57	0.0	8.15e-05	-5.44e-06
2800	44	0.19	-1.23	-0.49	0.0	8.26e-05	2.09e-05
2800	52	0.24	-0.10	-0.57	0.0	8.44e-05	0.0
2800	68	0.17	0.37	-0.40	0.0	5.76e-05	-3.53e-06
2800	88	0.14	-0.82	-0.35	0.0	5.83e-05	1.41e-05
2800	92	0.17	-0.07	-0.40	0.0	5.96e-05	0.0
2800	98	0.14	-0.06	-0.33	0.0	4.97e-05	0.0
2800	105	0.13	-0.21	-0.32	0.0	4.86e-05	3.12e-06
2800	107	0.13	-0.05	-0.32	0.0	4.75e-05	0.0
2800	112	9.69	7.16	-0.31	0.0	8.38e-04	-5.33e-04
2800	134	0.55	5.57	-0.33	0.0	8.11e-05	-4.47e-05
2800	139	-5.27	-8.77	-0.31	0.0	-3.83e-04	3.43e-04
2800	144	10.91	8.07	-0.31	0.0	9.38e-04	-6.01e-04
2800	166	0.61	6.28	-0.33	0.0	8.57e-05	-5.10e-05
2800	171	-5.98	-9.88	-0.30	0.0	-4.39e-04	3.87e-04
2800	176	10.98	7.99	-0.31	0.0	9.38e-04	-5.96e-04
2800	198	0.65	6.27	-0.33	0.0	8.78e-05	-5.41e-05
2800	203	-6.14	-9.88	-0.30	0.0	-4.47e-04	3.92e-04
2800	208	12.93	9.36	-0.31	0.0	1.10e-03	-6.98e-04
2800	230	0.77	7.34	-0.34	0.0	9.62e-05	-6.69e-05
2800	235	-7.38	-11.61	-0.30	0.0	-5.42e-04	4.69e-04
2801	4	0.28	0.57	-0.61	0.0	8.03e-05	-3.67e-06
2801	44	0.24	-1.33	-0.53	0.0	8.58e-05	1.15e-05
2801	52	0.28	-0.14	-0.61	0.0	8.42e-05	0.0
2801	68	0.20	0.38	-0.43	0.0	5.68e-05	-2.41e-06
2801	88	0.17	-0.89	-0.38	0.0	6.05e-05	7.72e-06
2801	92	0.20	-0.10	-0.43	0.0	5.94e-05	0.0
2801	98	0.16	-0.08	-0.36	0.0	4.95e-05	0.0
2801	105	0.16	-0.23	-0.34	0.0	4.89e-05	1.40e-06
2801	107	0.16	-0.07	-0.34	0.0	4.74e-05	0.0
2801	112	10.09	7.54	-0.34	0.0	7.87e-04	-5.45e-04
2801	134	0.59	5.97	-0.36	0.0	7.51e-05	-4.56e-05
2801	139	-5.45	-9.37	-0.33	0.0	-3.50e-04	3.48e-04
2801	144	11.35	8.50	-0.34	0.0	8.81e-04	-6.15e-04
2801	166	0.65	6.73	-0.36	0.0	7.90e-05	-5.20e-05
2801	171	-6.18	-10.55	-0.33	0.0	-4.02e-04	3.94e-04
2801	176	11.42	8.41	-0.34	0.0	8.80e-04	-6.09e-04
2801	198	0.69	6.72	-0.36	0.0	8.11e-05	-5.49e-05
2801	203	-6.35	-10.55	-0.33	0.0	-4.09e-04	3.98e-04
2801	208	13.44	9.85	-0.34	0.0	1.03e-03	-7.13e-04
2801	230	0.82	7.88	-0.36	0.0	8.83e-05	-6.78e-05
2801	235	-7.63	-12.39	-0.33	0.0	-4.97e-04	4.76e-04
2802	4	0.32	0.57	-0.70	0.0	1.11e-04	-2.38e-06
2802	44	0.28	-1.44	-0.60	0.0	7.86e-05	0.0
2802	52	0.32	-0.18	-0.69	0.0	1.07e-04	-2.65e-06
2802	68	0.22	0.37	-0.49	0.0	7.91e-05	-1.65e-06
2802	88	0.20	-0.96	-0.43	0.0	5.71e-05	0.0
2802	92	0.23	-0.13	-0.49	0.0	7.58e-05	-1.83e-06
2802	98	0.19	-0.10	-0.40	0.0	6.44e-05	-1.42e-06
2802	105	0.18	-0.27	-0.38	0.0	5.97e-05	-1.00e-06
2802	107	0.18	-0.10	-0.38	0.0	6.19e-05	-1.33e-06
2802	112	10.46	7.89	-0.38	0.0	7.09e-04	-5.60e-04

2802	134	0.63	6.34	-0.40	0.0	1.04e-04	-4.67e-05
2802	139	-5.61	-9.93	-0.37	0.0	-3.12e-04	3.54e-04
2802	144	11.77	8.90	-0.38	0.0	7.91e-04	-6.30e-04
2802	166	0.69	7.15	-0.40	0.0	1.10e-04	-5.31e-05
2802	171	-6.37	-11.18	-0.37	0.0	-3.60e-04	4.00e-04
2802	176	11.84	8.81	-0.38	0.0	7.92e-04	-6.24e-04
2802	198	0.73	7.14	-0.40	0.0	1.11e-04	-5.59e-05
2802	203	-6.54	-11.18	-0.37	0.0	-3.67e-04	4.04e-04
2802	208	13.93	10.31	-0.38	0.0	9.21e-04	-7.31e-04
2802	230	0.86	8.37	-0.41	0.0	1.20e-04	-6.88e-05
2802	235	-7.86	-13.12	-0.37	0.0	-4.48e-04	4.83e-04
2803	28	0.24	-0.79	-0.57	0.0	8.49e-05	9.71e-06
2803	44	0.20	-1.23	-0.50	0.0	7.60e-05	1.48e-05
2803	52	0.24	-0.10	-0.56	0.0	8.37e-05	2.14e-06
2803	80	0.17	-0.53	-0.40	0.0	5.98e-05	6.71e-06
2803	88	0.14	-0.82	-0.35	0.0	5.39e-05	1.01e-05
2803	92	0.17	-0.07	-0.40	0.0	5.90e-05	1.65e-06
2803	98	0.14	-0.06	-0.33	0.0	4.92e-05	1.70e-06
2803	105	0.13	-0.21	-0.31	0.0	4.73e-05	3.39e-06
2803	107	0.13	-0.05	-0.31	0.0	4.71e-05	1.70e-06
2803	111	-7.42	-6.90	-0.34	0.0	-5.88e-04	4.33e-04
2803	112	9.43	7.16	-0.29	0.0	8.31e-04	-5.42e-04
2803	139	-5.12	-8.78	-0.33	0.0	-3.80e-04	3.50e-04
2803	143	-8.38	-7.76	-0.34	0.0	-6.68e-04	4.87e-04
2803	144	10.62	8.07	-0.29	0.0	9.31e-04	-6.11e-04
2803	171	-5.81	-9.88	-0.33	0.0	-4.35e-04	3.95e-04
2803	175	-8.42	-7.64	-0.34	0.0	-6.67e-04	4.82e-04
2803	176	10.68	7.99	-0.29	0.0	9.30e-04	-6.06e-04
2803	203	-5.96	-9.89	-0.33	0.0	-4.43e-04	4.01e-04
2803	207	-9.94	-8.90	-0.34	0.0	-7.93e-04	5.62e-04
2803	208	12.57	9.36	-0.29	0.0	1.09e-03	-7.11e-04
2803	235	-7.15	-11.62	-0.34	0.0	-5.37e-04	4.78e-04
2804	28	0.28	-0.86	-0.61	0.0	8.43e-05	5.11e-06
2804	44	0.24	-1.33	-0.54	0.0	7.59e-05	8.26e-06
2804	52	0.28	-0.14	-0.61	0.0	8.25e-05	0.0
2804	80	0.20	-0.58	-0.43	0.0	5.93e-05	3.54e-06
2804	88	0.17	-0.89	-0.38	0.0	5.37e-05	5.64e-06
2804	92	0.20	-0.09	-0.43	0.0	5.81e-05	0.0
2804	98	0.16	-0.08	-0.36	0.0	4.84e-05	0.0
2804	105	0.16	-0.23	-0.34	0.0	4.67e-05	1.73e-06
2804	107	0.16	-0.07	-0.34	0.0	4.63e-05	0.0
2804	111	-7.70	-7.29	-0.36	0.0	-5.50e-04	4.39e-04
2804	112	9.82	7.54	-0.32	0.0	7.82e-04	-5.53e-04
2804	139	-5.30	-9.37	-0.36	0.0	-3.48e-04	3.54e-04
2804	143	-8.69	-8.19	-0.37	0.0	-6.26e-04	4.94e-04
2804	144	11.05	8.50	-0.31	0.0	8.75e-04	-6.23e-04
2804	171	-6.01	-10.55	-0.36	0.0	-4.00e-04	4.00e-04
2804	175	-8.73	-8.06	-0.37	0.0	-6.24e-04	4.88e-04
2804	176	11.12	8.42	-0.31	0.0	8.74e-04	-6.17e-04
2804	203	-6.16	-10.55	-0.36	0.0	-4.07e-04	4.05e-04
2804	207	-10.31	-9.38	-0.37	0.0	-7.42e-04	5.70e-04
2804	208	13.08	9.85	-0.31	0.0	1.02e-03	-7.24e-04
2804	235	-7.40	-12.39	-0.36	0.0	-4.94e-04	4.83e-04
2805	28	0.32	-0.95	-0.69	0.0	1.02e-04	-1.13e-06
2805	44	0.28	-1.44	-0.61	0.0	8.90e-05	0.0
2805	52	0.32	-0.18	-0.69	0.0	1.05e-04	-2.38e-06
2805	80	0.22	-0.64	-0.49	0.0	7.26e-05	0.0
2805	88	0.20	-0.96	-0.43	0.0	6.40e-05	0.0
2805	92	0.23	-0.13	-0.48	0.0	7.48e-05	-1.62e-06
2805	98	0.19	-0.10	-0.40	0.0	6.34e-05	-1.22e-06
2805	105	0.18	-0.27	-0.38	0.0	6.03e-05	0.0
2805	107	0.18	-0.10	-0.38	0.0	6.10e-05	-1.13e-06
2805	111	-7.96	-7.66	-0.41	0.0	-4.51e-04	4.43e-04
2805	112	10.19	7.89	-0.36	0.0	7.00e-04	-5.62e-04
2805	139	-5.46	-9.93	-0.40	0.0	-3.11e-04	3.55e-04
2805	143	-8.99	-8.61	-0.41	0.0	-5.16e-04	4.99e-04
2805	144	11.47	8.90	-0.36	0.0	7.81e-04	-6.33e-04
2805	171	-6.19	-11.18	-0.40	0.0	-3.59e-04	4.02e-04
2805	175	-9.02	-8.46	-0.41	0.0	-5.15e-04	4.92e-04
2805	176	11.53	8.81	-0.36	0.0	7.81e-04	-6.27e-04
2805	203	-6.35	-11.18	-0.40	0.0	-3.64e-04	4.06e-04
2805	207	-10.66	-9.85	-0.42	0.0	-6.16e-04	5.75e-04
2805	208	13.57	10.31	-0.35	0.0	9.08e-04	-7.35e-04
2805	235	-7.63	-13.12	-0.41	0.0	-4.44e-04	4.85e-04
2806	28	0.24	-0.79	-0.59	0.0	8.17e-05	8.19e-06

2806	44	0.21	-1.23	-0.52	0.0	7.17e-05	1.06e-05
2806	52	0.24	-0.10	-0.58	0.0	8.24e-05	4.21e-06
2806	80	0.17	-0.53	-0.41	0.0	5.76e-05	5.80e-06
2806	88	0.15	-0.82	-0.37	0.0	5.09e-05	7.44e-06
2806	92	0.17	-0.07	-0.41	0.0	5.81e-05	3.15e-06
2806	98	0.14	-0.06	-0.34	0.0	4.84e-05	3.03e-06
2806	105	0.13	-0.21	-0.33	0.0	4.61e-05	3.87e-06
2806	107	0.14	-0.05	-0.32	0.0	4.62e-05	2.98e-06
2806	112	9.17	7.16	-0.27	0.0	8.26e-04	-5.42e-04
2806	127	0.48	-7.51	-0.38	0.0	8.92e-05	-3.57e-05
2806	139	-4.97	-8.78	-0.37	0.0	-3.78e-04	3.51e-04
2806	144	10.32	8.07	-0.27	0.0	9.25e-04	-6.11e-04
2806	159	0.53	-8.44	-0.38	0.0	9.48e-05	-4.11e-05
2806	171	-5.63	-9.88	-0.38	0.0	-4.33e-04	3.97e-04
2806	175	-8.16	-7.64	-0.38	0.0	-6.62e-04	4.84e-04
2806	176	10.38	7.99	-0.27	0.0	9.24e-04	-6.06e-04
2806	203	-5.77	-9.89	-0.38	0.0	-4.40e-04	4.02e-04
2806	208	12.22	9.36	-0.26	0.0	1.08e-03	-7.11e-04
2806	215	-9.26	-9.58	-0.39	0.0	-6.86e-04	6.58e-04
2806	235	-6.93	-11.62	-0.39	0.0	-5.32e-04	4.80e-04
2807	28	0.28	-0.86	-0.63	0.0	7.88e-05	4.40e-06
2807	44	0.24	-1.33	-0.56	0.0	6.88e-05	6.01e-06
2807	52	0.28	-0.13	-0.62	0.0	7.97e-05	1.95e-06
2807	80	0.20	-0.58	-0.44	0.0	5.55e-05	3.14e-06
2807	88	0.17	-0.89	-0.40	0.0	4.89e-05	4.21e-06
2807	92	0.20	-0.09	-0.44	0.0	5.61e-05	1.50e-06
2807	98	0.17	-0.07	-0.37	0.0	4.66e-05	1.55e-06
2807	105	0.16	-0.23	-0.35	0.0	4.43e-05	2.09e-06
2807	107	0.16	-0.07	-0.35	0.0	4.45e-05	1.55e-06
2807	112	9.56	7.55	-0.30	0.0	7.78e-04	-5.52e-04
2807	127	0.52	-7.99	-0.40	0.0	8.63e-05	-3.96e-05
2807	139	-5.14	-9.38	-0.40	0.0	-3.49e-04	3.55e-04
2807	144	10.76	8.51	-0.29	0.0	8.72e-04	-6.23e-04
2807	159	0.57	-8.97	-0.41	0.0	9.17e-05	-4.54e-05
2807	171	-5.83	-10.56	-0.41	0.0	-4.00e-04	4.01e-04
2807	175	-8.48	-8.06	-0.41	0.0	-6.23e-04	4.90e-04
2807	176	10.82	8.42	-0.29	0.0	8.71e-04	-6.17e-04
2807	203	-5.98	-10.56	-0.41	0.0	-4.07e-04	4.06e-04
2807	208	12.72	9.86	-0.28	0.0	1.02e-03	-7.23e-04
2807	215	-9.58	-10.11	-0.42	0.0	-6.40e-04	6.63e-04
2807	235	-7.18	-12.40	-0.42	0.0	-4.93e-04	4.84e-04
2808	28	0.32	-0.95	-0.72	0.0	1.04e-04	-1.40e-06
2808	44	0.28	-1.44	-0.63	0.0	9.35e-05	0.0
2808	52	0.32	-0.18	-0.71	0.0	1.04e-04	-2.23e-06
2808	80	0.22	-0.64	-0.50	0.0	7.38e-05	0.0
2808	88	0.20	-0.96	-0.45	0.0	6.70e-05	0.0
2808	92	0.23	-0.13	-0.50	0.0	7.38e-05	-1.48e-06
2808	98	0.19	-0.10	-0.41	0.0	6.26e-05	-1.06e-06
2808	105	0.18	-0.27	-0.40	0.0	6.03e-05	0.0
2808	107	0.18	-0.10	-0.39	0.0	6.03e-05	0.0
2808	112	9.93	7.89	-0.34	0.0	5.51e-04	-5.63e-04
2808	127	0.56	-8.44	-0.45	0.0	8.96e-05	-4.47e-05
2808	139	-5.31	-9.93	-0.45	0.0	1.36e-04	3.56e-04
2808	144	11.17	8.90	-0.33	0.0	6.13e-04	-6.34e-04
2808	159	0.61	-9.47	-0.46	0.0	9.34e-05	-5.08e-05
2808	171	-6.02	-11.18	-0.46	0.0	1.45e-04	4.02e-04
2808	176	11.23	8.81	-0.33	0.0	6.11e-04	-6.28e-04
2808	191	0.64	-9.25	-0.46	0.0	9.42e-05	-5.34e-05
2808	203	-6.17	-11.18	-0.46	0.0	1.41e-04	4.07e-04
2808	208	13.21	10.31	-0.32	0.0	7.08e-04	-7.36e-04
2808	215	-9.89	-10.61	-0.47	0.0	-5.32e-04	6.65e-04
2808	235	-7.41	-13.12	-0.47	0.0	1.49e-04	4.86e-04
2809	28	0.24	-0.79	-0.63	0.0	7.90e-05	7.00e-06
2809	44	0.22	-1.23	-0.56	0.0	6.86e-05	7.69e-06
2809	52	0.24	-0.10	-0.62	0.0	8.05e-05	5.36e-06
2809	80	0.17	-0.53	-0.44	0.0	5.57e-05	5.04e-06
2809	88	0.15	-0.82	-0.40	0.0	4.87e-05	5.50e-06
2809	92	0.17	-0.07	-0.43	0.0	5.67e-05	3.95e-06
2809	98	0.14	-0.06	-0.36	0.0	4.71e-05	3.71e-06
2809	105	0.14	-0.21	-0.35	0.0	4.47e-05	3.98e-06
2809	107	0.14	-0.05	-0.35	0.0	4.50e-05	3.62e-06
2809	112	8.92	7.16	-0.25	0.0	8.20e-04	-5.32e-04
2809	127	0.48	-7.51	-0.45	0.0	9.40e-05	-3.63e-05
2809	139	-4.82	-8.78	-0.45	0.0	-3.76e-04	3.46e-04
2809	144	10.04	8.07	-0.23	0.0	9.18e-04	-6.00e-04

2809	159	0.53	-8.44	-0.46	0.0	1.00e-04	-4.19e-05
2809	171	-5.47	-9.89	-0.46	0.0	-4.30e-04	3.90e-04
2809	176	10.09	8.00	-0.23	0.0	9.17e-04	-5.94e-04
2809	195	0.74	-8.36	-0.46	0.0	1.32e-04	-2.59e-05
2809	203	-5.59	-9.89	-0.46	0.0	-4.37e-04	3.95e-04
2809	208	11.87	9.36	-0.21	0.0	1.07e-03	-6.97e-04
2809	235	-6.71	-11.62	-0.48	0.0	-5.29e-04	4.71e-04
2810	28	0.28	-0.86	-0.68	0.0	7.40e-05	3.42e-06
2810	44	0.25	-1.33	-0.61	0.0	6.36e-05	3.89e-06
2810	52	0.28	-0.13	-0.66	0.0	7.59e-05	2.29e-06
2810	80	0.20	-0.58	-0.48	0.0	5.21e-05	2.41e-06
2810	88	0.18	-0.89	-0.43	0.0	4.52e-05	2.72e-06
2810	92	0.20	-0.09	-0.47	0.0	5.34e-05	1.65e-06
2810	98	0.17	-0.07	-0.39	0.0	4.42e-05	1.58e-06
2810	105	0.16	-0.23	-0.38	0.0	4.17e-05	1.76e-06
2810	107	0.16	-0.07	-0.37	0.0	4.22e-05	1.51e-06
2810	112	9.31	7.56	-0.27	0.0	7.72e-04	-5.46e-04
2810	127	0.53	-7.99	-0.48	0.0	-4.03e-04	-4.07e-05
2810	139	-4.99	-9.39	-0.48	0.0	-3.49e-04	3.51e-04
2810	144	10.47	8.52	-0.25	0.0	8.64e-04	-6.16e-04
2810	159	0.58	-8.98	-0.49	0.0	-4.60e-04	-4.66e-05
2810	171	-5.67	-10.57	-0.49	0.0	-4.00e-04	3.96e-04
2810	176	10.52	8.43	-0.25	0.0	8.63e-04	-6.10e-04
2810	195	0.80	-8.90	-0.49	0.0	-4.28e-04	-3.11e-05
2810	203	-5.80	-10.57	-0.49	0.0	-4.06e-04	4.01e-04
2810	208	12.37	9.87	-0.23	0.0	1.01e-03	-7.15e-04
2810	219	-11.55	-10.73	-0.51	0.0	-8.23e-04	8.07e-04
2810	235	-6.96	-12.41	-0.51	0.0	-4.92e-04	4.78e-04
2811	28	0.32	-0.95	-0.77	0.0	1.03e-04	-1.47e-06
2811	44	0.28	-1.44	-0.69	0.0	9.38e-05	0.0
2811	52	0.32	-0.18	-0.75	0.0	1.02e-04	-1.97e-06
2811	80	0.22	-0.64	-0.54	0.0	7.32e-05	0.0
2811	88	0.20	-0.96	-0.49	0.0	6.73e-05	0.0
2811	92	0.23	-0.13	-0.53	0.0	7.26e-05	-1.26e-06
2811	98	0.19	-0.10	-0.44	0.0	6.17e-05	0.0
2811	105	0.18	-0.27	-0.42	0.0	5.98e-05	0.0
2811	107	0.18	-0.10	-0.42	0.0	5.96e-05	0.0
2811	112	9.67	7.89	-0.31	0.0	5.28e-04	-5.63e-04
2811	127	0.57	-8.44	-0.53	0.0	8.68e-05	-4.45e-05
2811	139	-5.16	-9.93	-0.53	0.0	1.40e-04	3.57e-04
2811	144	10.88	8.90	-0.30	0.0	5.87e-04	-6.35e-04
2811	159	0.62	-9.47	-0.55	0.0	9.03e-05	-5.06e-05
2811	171	-5.86	-11.18	-0.54	0.0	1.50e-04	4.03e-04
2811	176	10.93	8.81	-0.30	0.0	5.85e-04	-6.29e-04
2811	195	0.86	-9.39	-0.55	0.0	1.14e-04	-3.57e-05
2811	203	-5.99	-11.18	-0.55	0.0	1.45e-04	4.08e-04
2811	208	12.85	10.31	-0.28	0.0	6.77e-04	-7.36e-04
2811	219	-11.94	-11.26	-0.57	0.0	-4.82e-04	8.24e-04
2811	235	-7.19	-13.12	-0.57	0.0	1.55e-04	4.87e-04
2812	28	0.25	-0.79	-0.70	0.0	7.64e-05	4.64e-06
2812	44	0.22	-1.23	-0.64	0.0	6.59e-05	4.47e-06
2812	80	0.18	-0.53	-0.50	0.0	5.37e-05	3.37e-06
2812	88	0.16	-0.82	-0.45	0.0	4.67e-05	3.25e-06
2812	98	0.15	-0.06	-0.40	0.0	4.53e-05	2.95e-06
2812	105	0.14	-0.20	-0.39	0.0	4.28e-05	2.94e-06
2812	107	0.14	-0.05	-0.38	0.0	4.32e-05	2.86e-06
2812	112	8.69	7.16	-0.20	0.0	8.13e-04	-5.13e-04
2812	127	0.49	-7.51	-0.58	0.0	-4.29e-04	-4.00e-05
2812	139	-4.68	-8.78	-0.57	0.0	-3.75e-04	3.32e-04
2812	144	9.78	8.07	-0.18	0.0	9.11e-04	-5.79e-04
2812	159	0.54	-8.44	-0.60	0.0	-4.89e-04	-4.59e-05
2812	171	-5.31	-9.88	-0.60	0.0	-4.29e-04	3.75e-04
2812	176	9.82	8.00	-0.18	0.0	9.09e-04	-5.72e-04
2812	203	-5.42	-9.89	-0.60	0.0	-4.35e-04	3.78e-04
2812	208	11.54	9.36	-0.14	0.0	1.06e-03	-6.70e-04
2812	235	-6.50	-11.62	-0.64	0.0	-5.26e-04	4.51e-04
2813	28	0.28	-0.85	-0.76	0.0	6.99e-05	0.0
2813	44	0.25	-1.32	-0.69	0.0	5.98e-05	-1.07e-06
2813	52	0.29	-0.13	-0.73	0.0	7.19e-05	-1.57e-06
2813	80	0.20	-0.57	-0.53	0.0	4.91e-05	0.0
2813	88	0.18	-0.89	-0.49	0.0	4.24e-05	-1.08e-06
2813	92	0.20	-0.09	-0.52	0.0	5.05e-05	-1.41e-06
2813	98	0.17	-0.07	-0.43	0.0	4.16e-05	-1.49e-06
2813	105	0.16	-0.23	-0.42	0.0	3.92e-05	-1.48e-06
2813	107	0.16	-0.07	-0.41	0.0	3.97e-05	-1.64e-06

2813	112	9.07	7.57	-0.22	0.0	7.55e-04	-5.34e-04
2813	127	0.54	-8.00	-0.62	0.0	-4.02e-04	-4.62e-05
2813	139	-4.85	-9.40	-0.61	0.0	-3.45e-04	3.39e-04
2813	144	10.20	8.53	-0.20	0.0	8.45e-04	-6.01e-04
2813	159	0.59	-8.99	-0.64	0.0	-4.58e-04	-5.23e-05
2813	171	-5.51	-10.58	-0.64	0.0	-3.95e-04	3.83e-04
2813	176	10.24	8.44	-0.20	0.0	8.44e-04	-5.94e-04
2813	203	-5.63	-10.58	-0.64	0.0	-4.01e-04	3.87e-04
2813	208	12.04	9.88	-0.16	0.0	9.84e-04	-6.95e-04
2813	235	-6.75	-12.43	-0.68	0.0	-4.85e-04	4.62e-04
2814	28	0.32	-0.95	-0.86	0.0	1.00e-04	-1.26e-06
2814	44	0.28	-1.44	-0.78	0.0	9.22e-05	0.0
2814	52	0.32	-0.18	-0.83	0.0	9.97e-05	-1.55e-06
2814	80	0.22	-0.64	-0.60	0.0	7.19e-05	0.0
2814	88	0.20	-0.96	-0.55	0.0	6.66e-05	0.0
2814	92	0.22	-0.13	-0.59	0.0	7.16e-05	0.0
2814	98	0.19	-0.10	-0.49	0.0	6.13e-05	0.0
2814	105	0.18	-0.27	-0.47	0.0	5.96e-05	0.0
2814	107	0.18	-0.10	-0.47	0.0	5.95e-05	0.0
2814	112	9.42	7.89	-0.27	0.0	4.98e-04	-5.64e-04
2814	127	0.58	-8.44	-0.68	0.0	8.70e-05	-4.41e-05
2814	139	-5.02	-9.93	-0.68	0.0	1.36e-04	3.57e-04
2814	144	10.60	8.90	-0.24	0.0	5.54e-04	-6.35e-04
2814	159	0.63	-9.47	-0.71	0.0	9.06e-05	-5.02e-05
2814	171	-5.69	-11.18	-0.71	0.0	1.45e-04	4.03e-04
2814	176	10.64	8.81	-0.24	0.0	5.51e-04	-6.29e-04
2814	203	-5.82	-11.18	-0.71	0.0	1.41e-04	4.08e-04
2814	208	12.50	10.31	-0.20	0.0	6.37e-04	-7.37e-04
2814	235	-6.98	-13.12	-0.75	0.0	1.50e-04	4.87e-04
2815	28	0.25	-0.79	-0.84	0.0	7.30e-05	0.0
2815	44	0.22	-1.23	-0.77	0.0	6.21e-05	0.0
2815	80	0.18	-0.53	-0.59	0.0	5.09e-05	0.0
2815	88	0.16	-0.82	-0.55	0.0	4.36e-05	0.0
2815	98	0.15	-0.06	-0.48	0.0	4.20e-05	0.0
2815	105	0.14	-0.20	-0.47	0.0	3.95e-05	0.0
2815	107	0.14	-0.05	-0.46	0.0	3.97e-05	0.0
2815	112	8.47	7.16	-0.11	0.0	8.14e-04	-4.93e-04
2815	127	0.51	-7.51	-0.81	0.0	9.59e-05	-4.74e-05
2815	139	-4.55	-8.77	-0.80	0.0	-3.86e-04	3.12e-04
2815	144	9.53	8.07	-0.07	0.0	9.12e-04	-5.56e-04
2815	159	0.56	-8.44	-0.86	0.0	1.03e-04	-5.41e-05
2815	171	-5.16	-9.88	-0.85	0.0	-4.41e-04	3.52e-04
2815	176	9.57	8.00	-0.07	0.0	9.08e-04	-5.50e-04
2815	195	0.80	-8.36	-0.85	0.0	1.37e-04	-4.07e-05
2815	203	-5.27	-9.88	-0.85	0.0	-4.45e-04	3.55e-04
2815	208	11.24	9.36	-1.28e-03	0.0	1.06e-03	-6.43e-04
2815	219	-10.34	-10.14	-0.93	0.0	-8.63e-04	7.26e-04
2815	235	-6.31	-11.61	-0.92	0.0	-5.35e-04	4.23e-04
2816	28	0.28	-0.85	-0.91	0.0	6.74e-05	-1.84e-05
2816	44	0.25	-1.32	-0.84	0.0	5.79e-05	-1.77e-05
2816	52	0.28	-0.12	-0.88	0.0	6.91e-05	-2.03e-05
2816	80	0.20	-0.57	-0.65	0.0	4.73e-05	-1.43e-05
2816	88	0.18	-0.88	-0.60	0.0	4.10e-05	-1.38e-05
2816	92	0.20	-0.08	-0.62	0.0	4.85e-05	-1.55e-05
2816	98	0.17	-0.06	-0.52	0.0	3.98e-05	-1.47e-05
2816	105	0.16	-0.22	-0.51	0.0	3.75e-05	-1.44e-05
2816	107	0.16	-0.06	-0.50	0.0	3.79e-05	-1.49e-05
2816	112	8.85	7.58	-0.14	0.0	7.22e-04	-5.27e-04
2816	127	0.55	-8.01	-0.87	0.0	-3.86e-04	-6.15e-05
2816	139	-4.73	-9.42	-0.86	0.0	-3.34e-04	3.21e-04
2816	144	9.95	8.55	-0.09	0.0	8.09e-04	-5.92e-04
2816	159	0.61	-9.00	-0.92	0.0	-4.40e-04	-6.78e-05
2816	171	-5.37	-10.60	-0.90	0.0	-3.82e-04	3.65e-04
2816	176	9.99	8.46	-0.09	0.0	8.06e-04	-5.82e-04
2816	195	0.86	-8.91	-0.91	0.0	-4.07e-04	-5.29e-05
2816	203	-5.47	-10.60	-0.91	0.0	-3.86e-04	3.66e-04
2816	208	11.73	9.90	-0.02	0.0	9.40e-04	-6.77e-04
2816	215	-8.49	-10.13	-0.99	0.0	-7.70e-04	5.81e-04
2816	235	-6.56	-12.45	-0.98	0.0	-4.66e-04	4.39e-04
2817	28	0.32	-0.95	-1.03	0.0	1.01e-04	-3.35e-06
2817	44	0.28	-1.44	-0.95	0.0	9.40e-05	-2.76e-06
2817	52	0.32	-0.18	-0.99	0.0	1.02e-04	-3.55e-06
2817	80	0.22	-0.64	-0.73	0.0	7.33e-05	-2.35e-06
2817	88	0.20	-0.96	-0.67	0.0	6.87e-05	-1.96e-06
2817	92	0.22	-0.13	-0.70	0.0	7.40e-05	-2.49e-06

2817	98	0.19	-0.10	-0.59	0.0	6.44e-05	-2.03e-06
2817	105	0.18	-0.27	-0.57	0.0	6.28e-05	-1.88e-06
2817	107	0.18	-0.10	-0.57	0.0	6.30e-05	-1.92e-06
2817	112	9.18	7.89	-0.19	0.0	5.80e-04	-5.65e-04
2817	127	0.59	-8.43	-0.95	0.0	9.62e-05	-4.57e-05
2817	139	-4.88	-9.93	-0.93	0.0	-2.27e-04	3.54e-04
2817	144	10.32	8.90	-0.15	0.0	6.45e-04	-6.36e-04
2817	159	0.65	-9.47	-0.99	0.0	1.00e-04	-5.18e-05
2817	171	-5.53	-11.18	-0.97	0.0	-2.64e-04	4.00e-04
2817	176	10.35	8.81	-0.14	0.0	6.41e-04	-6.30e-04
2817	183	-7.19	-8.93	-0.99	0.0	-3.15e-04	5.50e-04
2817	203	-5.64	-11.17	-0.97	0.0	-2.65e-04	4.05e-04
2817	208	12.16	10.31	-0.07	0.0	7.41e-04	-7.38e-04
2817	215	-8.76	-10.60	-1.07	0.0	-3.93e-04	6.64e-04
2817	235	-6.77	-13.12	-1.05	0.0	-3.26e-04	4.84e-04
2818	4	0.07	0.54	-2.69	0.0	7.44e-05	2.73e-06
2818	45	0.02	-0.90	-0.78	0.0	2.83e-05	-1.86e-06
2818	52	0.08	0.01	-2.56	0.0	7.52e-05	1.03e-06
2818	68	0.05	0.36	-1.89	0.0	5.24e-05	1.89e-06
2818	85	0.03	-0.60	-0.92	0.0	3.01e-05	-1.05e-06
2818	92	0.05	7.90e-03	-1.81	0.0	5.29e-05	0.0
2818	98	0.04	6.79e-03	-1.53	0.0	4.40e-05	0.0
2818	103	0.04	0.12	-1.49	0.0	4.19e-05	0.0
2818	107	0.04	6.58e-03	-1.46	0.0	4.21e-05	0.0
2818	112	8.98	2.82	-1.60	0.0	7.13e-04	-2.33e-04
2818	136	5.15	5.27	-2.78	0.0	4.24e-04	-1.54e-04
2818	144	10.12	3.18	-1.62	0.0	7.98e-04	-2.63e-04
2818	168	5.82	5.93	-2.95	0.0	4.73e-04	-1.73e-04
2818	176	10.19	3.15	-1.62	0.0	8.02e-04	-2.55e-04
2818	200	5.99	5.88	-2.93	0.0	4.84e-04	-1.71e-04
2818	216	12.26	3.83	-2.27	0.0	9.29e-04	-3.20e-04
2818	232	7.18	6.87	-3.17	0.0	5.71e-04	-2.02e-04
2819	4	0.03	0.49	-2.72	-8.33e-04	7.83e-05	-1.08e-06
2819	45	1.00e-02	-0.82	-0.79	-2.31e-04	2.96e-05	-2.69e-06
2819	52	0.04	9.16e-03	-2.59	-7.68e-04	7.91e-05	-2.64e-06
2819	68	0.02	0.33	-1.91	-5.92e-04	5.52e-05	0.0
2819	85	0.01	-0.54	-0.92	-2.84e-04	3.16e-05	-2.16e-06
2819	92	0.03	6.40e-03	-1.83	-5.48e-04	5.57e-05	-1.85e-06
2819	98	0.02	5.00e-03	-1.55	-4.76e-04	4.63e-05	-1.53e-06
2819	103	0.02	0.11	-1.51	-4.74e-04	4.40e-05	-1.11e-06
2819	107	0.02	4.76e-03	-1.48	-4.59e-04	4.42e-05	-1.45e-06
2819	112	8.67	2.59	-1.62	-5.39e-04	1.05e-03	-4.22e-04
2819	136	4.96	4.77	-2.80	-1.17e-03	6.22e-04	-2.56e-04
2819	144	9.77	2.91	-1.63	-5.49e-04	1.18e-03	-4.75e-04
2819	168	5.61	5.37	-2.96	-1.25e-03	6.97e-04	-2.89e-04
2819	176	9.85	2.89	-1.64	-5.52e-04	1.18e-03	-4.75e-04
2819	200	5.78	5.32	-2.94	-1.24e-03	7.13e-04	-2.95e-04
2819	216	11.86	3.51	-2.29	-8.80e-04	1.38e-03	-6.06e-04
2819	232	6.93	6.22	-3.19	-1.37e-03	8.45e-04	-3.53e-04
2820	4	0.11	0.56	-2.67	0.0	7.87e-05	4.77e-06
2820	44	0.10	-1.00	-2.03	0.0	6.94e-05	0.0
2820	52	0.12	-0.01	-2.54	0.0	7.94e-05	2.99e-06
2820	68	0.08	0.38	-1.88	0.0	5.55e-05	3.36e-06
2820	88	0.07	-0.67	-1.45	0.0	4.93e-05	0.0
2820	92	0.08	-6.74e-03	-1.80	0.0	5.59e-05	2.16e-06
2820	98	0.07	-4.95e-03	-1.52	0.0	4.65e-05	1.71e-06
2820	105	0.06	-0.14	-1.43	0.0	4.43e-05	1.32e-06
2820	107	0.06	-4.51e-03	-1.46	0.0	4.44e-05	1.68e-06
2820	112	9.39	3.05	-1.59	0.0	9.09e-04	1.32e-04
2820	136	5.39	5.76	-2.77	0.0	5.33e-04	-4.44e-05
2820	139	-5.26	-5.77	-0.14	0.0	-4.44e-04	4.77e-05
2820	144	10.58	3.43	-1.61	0.0	1.02e-03	1.48e-04
2820	168	6.09	6.49	-2.94	0.0	5.97e-04	-5.04e-05
2820	171	-5.96	-6.50	0.03	0.0	-5.08e-04	5.37e-05
2820	176	10.66	3.40	-1.62	0.0	1.03e-03	1.36e-04
2820	200	6.27	6.44	-2.92	0.0	6.12e-04	-5.13e-05
2820	203	-6.14	-6.45	6.15e-03	0.0	-5.23e-04	5.47e-05
2820	216	12.80	4.14	-2.26	0.0	1.19e-03	1.21e-04
2820	232	7.51	7.52	-3.16	0.0	7.24e-04	-6.04e-05
2820	235	-7.38	-7.53	0.25	0.0	-6.35e-04	6.38e-05
2821	4	0.15	0.58	-2.67	0.0	8.32e-05	2.85e-06
2821	44	0.14	-1.10	-2.03	0.0	7.27e-05	0.0
2821	52	0.16	-0.04	-2.54	0.0	8.37e-05	1.21e-06
2821	68	0.11	0.38	-1.88	0.0	5.87e-05	2.00e-06
2821	88	0.10	-0.74	-1.45	0.0	5.17e-05	0.0

2821	92	0.11	-0.03	-1.79	0.0	5.91e-05	0.0
2821	98	0.09	-0.02	-1.52	0.0	4.91e-05	0.0
2821	105	0.09	-0.16	-1.43	0.0	4.68e-05	0.0
2821	107	0.09	-0.02	-1.45	0.0	4.69e-05	0.0
2821	112	9.92	3.27	-1.59	0.0	1.10e-03	1.71e-04
2821	136	5.70	6.25	-2.77	0.0	6.40e-04	-1.60e-04
2821	139	-5.52	-6.29	-0.14	0.0	-5.46e-04	1.62e-04
2821	144	11.18	3.68	-1.61	0.0	1.24e-03	1.93e-04
2821	168	6.44	7.04	-2.94	0.0	7.18e-04	-1.80e-04
2821	171	-6.26	-7.08	0.03	0.0	-6.24e-04	1.82e-04
2821	176	11.26	3.65	-1.61	0.0	1.25e-03	1.81e-04
2821	200	6.62	6.98	-2.92	0.0	7.37e-04	-1.74e-04
2821	203	-6.45	-7.02	8.49e-03	0.0	-6.43e-04	1.75e-04
2821	216	13.50	4.44	-2.26	0.0	1.45e-03	-2.83e-04
2821	232	7.93	8.16	-3.16	0.0	8.74e-04	-2.03e-04
2821	235	-7.75	-8.20	0.25	0.0	-7.80e-04	2.04e-04
2822	4	0.20	0.58	-2.67	0.0	8.58e-05	0.0
2822	44	0.18	-1.21	-2.03	0.0	7.49e-05	-2.09e-06
2822	52	0.21	-0.08	-2.54	0.0	8.64e-05	-1.01e-06
2822	68	0.14	0.39	-1.88	0.0	6.06e-05	0.0
2822	88	0.13	-0.81	-1.45	0.0	5.33e-05	-1.39e-06
2822	92	0.14	-0.06	-1.79	0.0	6.10e-05	0.0
2822	98	0.12	-0.05	-1.52	0.0	5.07e-05	0.0
2822	105	0.11	-0.19	-1.43	0.0	4.83e-05	0.0
2822	107	0.11	-0.04	-1.45	0.0	4.85e-05	0.0
2822	112	10.55	3.48	-2.06	0.0	1.19e-03	-3.28e-04
2822	136	6.07	6.73	-2.77	0.0	6.88e-04	-2.16e-04
2822	139	-5.84	-6.82	-0.14	0.0	-5.91e-04	2.15e-04
2822	144	11.89	3.93	-2.14	0.0	1.34e-03	-3.70e-04
2822	168	6.85	7.58	-2.94	0.0	7.72e-04	-2.43e-04
2822	171	-6.62	-7.67	0.03	0.0	-6.75e-04	2.42e-04
2822	176	11.98	3.88	-2.12	0.0	1.35e-03	-3.60e-04
2822	200	7.05	7.52	-2.92	0.0	7.92e-04	-2.41e-04
2822	203	-6.82	-7.60	7.22e-03	0.0	-6.95e-04	2.40e-04
2822	216	14.34	4.73	-2.26	0.0	1.56e-03	-4.41e-04
2822	232	8.43	8.79	-3.16	0.0	9.41e-04	-2.85e-04
2822	235	-8.21	-8.87	0.25	0.0	-8.43e-04	2.83e-04
2823	4	0.07	0.54	-2.15	0.0	7.68e-05	1.41e-06
2823	45	0.02	-0.90	-0.63	0.0	2.90e-05	-1.75e-06
2823	52	0.08	0.01	-2.06	0.0	7.76e-05	0.0
2823	68	0.05	0.36	-1.51	0.0	5.41e-05	0.0
2823	85	0.03	-0.60	-0.73	0.0	3.10e-05	-1.12e-06
2823	92	0.05	7.99e-03	-1.45	0.0	5.46e-05	0.0
2823	98	0.04	6.88e-03	-1.23	0.0	4.54e-05	0.0
2823	103	0.04	0.12	-1.19	0.0	4.32e-05	0.0
2823	107	0.04	6.67e-03	-1.17	0.0	4.34e-05	0.0
2823	112	8.89	2.82	-1.59	0.0	8.92e-04	-2.63e-04
2823	136	5.09	5.27	-2.06	0.0	5.29e-04	-1.71e-04
2823	144	10.02	3.18	-1.64	0.0	1.00e-03	-2.97e-04
2823	168	5.76	5.93	-2.17	0.0	5.92e-04	-1.93e-04
2823	176	10.09	3.15	-1.63	0.0	1.01e-03	-2.91e-04
2823	200	5.93	5.88	-2.16	0.0	6.06e-04	-1.92e-04
2823	216	12.12	3.83	-1.72	0.0	1.17e-03	-3.71e-04
2823	232	7.10	6.87	-2.32	0.0	7.17e-04	-2.28e-04
2824	4	0.03	0.49	-2.11	-9.02e-04	7.83e-05	-1.34e-06
2824	45	8.51e-03	-0.82	-0.62	-2.53e-04	2.96e-05	-2.59e-06
2824	52	0.04	0.01	-2.03	-8.41e-04	7.91e-05	-2.83e-06
2824	68	0.02	0.33	-1.48	-6.38e-04	5.52e-05	0.0
2824	85	0.01	-0.54	-0.72	-3.06e-04	3.16e-05	-2.12e-06
2824	92	0.03	7.71e-03	-1.42	-5.98e-04	5.57e-05	-1.98e-06
2824	98	0.02	6.16e-03	-1.20	-5.16e-04	4.63e-05	-1.63e-06
2824	103	0.02	0.11	-1.17	-5.09e-04	4.40e-05	-1.22e-06
2824	107	0.02	5.88e-03	-1.15	-4.95e-04	4.42e-05	-1.55e-06
2824	112	8.45	2.59	-1.56	-5.69e-04	1.05e-03	-4.27e-04
2824	136	4.83	4.77	-2.04	-1.16e-03	6.22e-04	-2.59e-04
2824	144	9.52	2.91	-1.61	-5.78e-04	1.18e-03	-4.81e-04
2824	168	5.46	5.37	-2.15	-1.24e-03	6.97e-04	-2.92e-04
2824	176	9.59	2.89	-1.60	-5.81e-04	1.18e-03	-4.80e-04
2824	200	5.62	5.32	-2.14	-1.23e-03	7.13e-04	-2.98e-04
2824	216	11.53	3.51	-1.70	-8.95e-04	1.38e-03	-6.14e-04
2824	232	6.74	6.22	-2.30	-1.36e-03	8.45e-04	-3.57e-04
2825	4	0.11	0.56	-2.17	0.0	7.90e-05	2.64e-06
2825	44	0.10	-1.00	-1.68	0.0	6.99e-05	0.0
2825	52	0.12	-9.91e-03	-2.08	0.0	7.97e-05	1.15e-06
2825	68	0.08	0.38	-1.52	0.0	5.57e-05	1.86e-06

2825	88	0.07	-0.66	-1.20	0.0	4.96e-05	0.0
2825	92	0.08	-6.63e-03	-1.46	0.0	5.62e-05	0.0
2825	98	0.07	-4.85e-03	-1.24	0.0	4.67e-05	0.0
2825	105	0.06	-0.14	-1.16	0.0	4.46e-05	0.0
2825	107	0.06	-4.42e-03	-1.18	0.0	4.46e-05	0.0
2825	112	9.37	3.05	-1.60	0.0	9.54e-04	1.55e-04
2825	136	5.37	5.76	-2.08	0.0	5.61e-04	-1.45e-04
2825	139	-5.24	-5.77	-0.29	0.0	-4.71e-04	1.46e-04
2825	144	10.55	3.43	-1.65	0.0	1.07e-03	1.74e-04
2825	168	6.07	6.49	-2.19	0.0	6.28e-04	-1.63e-04
2825	171	-5.94	-6.50	-0.17	0.0	-5.39e-04	1.65e-04
2825	176	10.63	3.40	-1.64	0.0	1.08e-03	1.64e-04
2825	200	6.25	6.44	-2.17	0.0	6.43e-04	-1.58e-04
2825	203	-6.12	-6.44	-0.19	0.0	-5.54e-04	1.59e-04
2825	216	12.74	4.14	-1.73	0.0	1.25e-03	-2.64e-04
2825	232	7.48	7.52	-2.34	0.0	7.61e-04	-1.84e-04
2825	235	-7.35	-7.53	-0.02	0.0	-6.72e-04	1.86e-04
2826	4	0.15	0.58	-2.19	0.0	8.16e-05	1.87e-06
2826	44	0.14	-1.10	-1.69	0.0	7.20e-05	-1.04e-06
2826	52	0.16	-0.04	-2.10	0.0	8.23e-05	0.0
2826	68	0.11	0.38	-1.54	0.0	5.75e-05	1.31e-06
2826	88	0.10	-0.74	-1.21	0.0	5.11e-05	0.0
2826	92	0.11	-0.03	-1.48	0.0	5.80e-05	0.0
2826	98	0.09	-0.02	-1.25	0.0	4.83e-05	0.0
2826	105	0.09	-0.16	-1.17	0.0	4.60e-05	0.0
2826	107	0.09	-0.02	-1.19	0.0	4.61e-05	0.0
2826	112	9.88	3.27	-1.61	0.0	1.02e-03	1.79e-04
2826	136	5.68	6.25	-2.09	0.0	5.93e-04	-1.67e-04
2826	139	-5.50	-6.29	-0.29	0.0	-5.00e-04	1.67e-04
2826	144	11.13	3.68	-1.66	0.0	1.14e-03	2.01e-04
2826	168	6.41	7.04	-2.20	0.0	6.64e-04	-1.87e-04
2826	171	-6.23	-7.08	-0.18	0.0	-5.72e-04	1.88e-04
2826	176	11.21	3.65	-1.65	0.0	1.15e-03	1.91e-04
2826	200	6.59	6.98	-2.19	0.0	6.81e-04	-1.82e-04
2826	203	-6.42	-7.02	-0.19	0.0	-5.88e-04	1.82e-04
2826	216	13.42	4.44	-1.75	0.0	1.33e-03	-3.08e-04
2826	232	7.89	8.16	-2.36	0.0	8.06e-04	-2.13e-04
2826	235	-7.72	-8.20	-0.02	0.0	-7.14e-04	2.13e-04
2827	4	0.20	0.58	-2.21	0.0	8.38e-05	0.0
2827	44	0.18	-1.21	-1.71	0.0	7.39e-05	-1.87e-06
2827	52	0.21	-0.08	-2.12	0.0	8.45e-05	-1.09e-06
2827	68	0.14	0.38	-1.55	0.0	5.92e-05	0.0
2827	88	0.12	-0.81	-1.22	0.0	5.26e-05	-1.25e-06
2827	92	0.14	-0.06	-1.49	0.0	5.96e-05	0.0
2827	98	0.12	-0.05	-1.26	0.0	4.96e-05	0.0
2827	105	0.11	-0.19	-1.18	0.0	4.74e-05	0.0
2827	107	0.11	-0.04	-1.20	0.0	4.75e-05	0.0
2827	112	10.43	3.48	-1.62	0.0	1.05e-03	-3.26e-04
2827	136	5.99	6.73	-2.11	0.0	6.07e-04	-2.16e-04
2827	139	-5.77	-6.82	-0.29	0.0	-5.12e-04	2.15e-04
2827	144	11.75	3.93	-1.68	0.0	1.18e-03	-3.67e-04
2827	168	6.77	7.58	-2.22	0.0	6.81e-04	-2.44e-04
2827	171	-6.54	-7.67	-0.18	0.0	-5.86e-04	2.42e-04
2827	176	11.84	3.88	-1.67	0.0	1.19e-03	-3.57e-04
2827	200	6.96	7.52	-2.21	0.0	6.98e-04	-2.41e-04
2827	203	-6.73	-7.60	-0.19	0.0	-6.03e-04	2.40e-04
2827	216	14.13	4.73	-1.76	0.0	1.36e-03	-4.44e-04
2827	232	8.33	8.78	-2.38	0.0	8.27e-04	-2.85e-04
2827	235	-8.10	-8.87	-0.03	0.0	-7.32e-04	2.84e-04
2828	4	0.07	0.54	-1.30	0.0	7.81e-05	0.0
2828	45	0.02	-0.90	-0.38	0.0	2.96e-05	-1.81e-06
2828	52	0.08	9.35e-03	-1.25	0.0	7.89e-05	-1.82e-06
2828	68	0.05	0.36	-0.91	0.0	5.50e-05	0.0
2828	85	0.03	-0.60	-0.44	0.0	3.16e-05	-1.43e-06
2828	92	0.05	6.74e-03	-0.88	0.0	5.55e-05	-1.25e-06
2828	98	0.04	5.86e-03	-0.74	0.0	4.62e-05	-1.06e-06
2828	103	0.04	0.12	-0.71	0.0	4.39e-05	0.0
2828	107	0.04	5.70e-03	-0.70	0.0	4.41e-05	0.0
2828	112	8.76	2.82	-0.90	0.0	1.02e-03	-3.22e-04
2828	136	5.01	5.27	-1.13	0.0	6.01e-04	-2.05e-04
2828	144	9.87	3.18	-0.93	0.0	1.14e-03	-3.63e-04
2828	168	5.67	5.93	-1.18	0.0	6.74e-04	-2.31e-04
2828	176	9.94	3.15	-0.93	0.0	1.15e-03	-3.59e-04
2828	200	5.83	5.88	-1.17	0.0	6.90e-04	-2.33e-04
2828	216	11.90	3.83	-0.97	0.0	1.34e-03	-4.65e-04

2828	232	6.99	6.87	-1.25	0.0	8.17e-04	-2.78e-04
2829	4	0.11	0.56	-1.44	0.0	7.93e-05	0.0
2829	44	0.10	-1.00	-1.13	0.0	7.04e-05	-1.96e-06
2829	52	0.12	-0.01	-1.39	0.0	8.01e-05	0.0
2829	68	0.08	0.38	-1.01	0.0	5.59e-05	0.0
2829	88	0.07	-0.66	-0.80	0.0	4.99e-05	-1.30e-06
2829	92	0.08	-7.07e-03	-0.98	0.0	5.64e-05	0.0
2829	98	0.07	-5.22e-03	-0.82	0.0	4.69e-05	0.0
2829	105	0.06	-0.14	-0.77	0.0	4.48e-05	0.0
2829	107	0.06	-4.76e-03	-0.78	0.0	4.48e-05	0.0
2829	112	9.28	3.05	-1.00	0.0	9.99e-04	-2.78e-04
2829	136	5.32	5.76	-1.24	0.0	5.88e-04	-1.84e-04
2829	139	-5.19	-5.77	-0.32	0.0	-4.98e-04	1.83e-04
2829	144	10.45	3.43	-1.03	0.0	1.12e-03	-3.13e-04
2829	168	6.01	6.49	-1.30	0.0	6.58e-04	-2.08e-04
2829	171	-5.88	-6.50	-0.26	0.0	-5.69e-04	2.07e-04
2829	176	10.53	3.40	-1.02	0.0	1.13e-03	-3.05e-04
2829	200	6.19	6.43	-1.29	0.0	6.74e-04	-2.06e-04
2829	203	-6.06	-6.44	-0.27	0.0	-5.84e-04	2.06e-04
2829	216	12.59	4.13	-1.07	0.0	1.31e-03	-3.91e-04
2829	232	7.41	7.52	-1.38	0.0	7.98e-04	-2.44e-04
2829	235	-7.28	-7.53	-0.18	0.0	-7.08e-04	2.44e-04
2830	4	0.15	0.58	-1.54	0.0	8.10e-05	0.0
2830	44	0.14	-1.10	-1.21	0.0	7.18e-05	-1.79e-06
2830	52	0.16	-0.04	-1.49	0.0	8.17e-05	0.0
2830	68	0.11	0.38	-1.08	0.0	5.71e-05	0.0
2830	88	0.10	-0.73	-0.86	0.0	5.10e-05	-1.19e-06
2830	92	0.11	-0.03	-1.05	0.0	5.76e-05	0.0
2830	98	0.09	-0.02	-0.88	0.0	4.80e-05	0.0
2830	105	0.09	-0.16	-0.82	0.0	4.58e-05	0.0
2830	107	0.09	-0.02	-0.84	0.0	4.59e-05	0.0
2830	112	9.79	3.27	-1.07	0.0	9.88e-04	-2.90e-04
2830	136	5.62	6.25	-1.33	0.0	5.75e-04	-1.95e-04
2830	139	-5.45	-6.29	-0.34	0.0	-4.83e-04	1.94e-04
2830	144	11.03	3.68	-1.10	0.0	1.11e-03	-3.26e-04
2830	168	6.35	7.04	-1.39	0.0	6.44e-04	-2.19e-04
2830	171	-6.17	-7.08	-0.28	0.0	-5.53e-04	2.19e-04
2830	176	11.11	3.64	-1.09	0.0	1.11e-03	-3.17e-04
2830	200	6.53	6.98	-1.38	0.0	6.60e-04	-2.17e-04
2830	203	-6.35	-7.02	-0.29	0.0	-5.68e-04	2.16e-04
2830	216	13.26	4.44	-1.15	0.0	1.28e-03	-4.02e-04
2830	232	7.82	8.15	-1.48	0.0	7.80e-04	-2.57e-04
2830	235	-7.64	-8.20	-0.20	0.0	-6.89e-04	2.56e-04
2831	4	0.20	0.58	-1.63	0.0	8.27e-05	0.0
2831	44	0.18	-1.21	-1.28	0.0	7.33e-05	-2.11e-06
2831	52	0.20	-0.08	-1.57	0.0	8.35e-05	-1.56e-06
2831	68	0.14	0.38	-1.14	0.0	5.84e-05	0.0
2831	88	0.12	-0.81	-0.91	0.0	5.21e-05	-1.44e-06
2831	92	0.14	-0.06	-1.10	0.0	5.89e-05	-1.06e-06
2831	98	0.12	-0.05	-0.93	0.0	4.90e-05	0.0
2831	105	0.11	-0.19	-0.87	0.0	4.68e-05	0.0
2831	107	0.11	-0.04	-0.88	0.0	4.69e-05	0.0
2831	112	10.30	3.48	-1.13	0.0	9.77e-04	-3.42e-04
2831	136	5.92	6.73	-1.40	0.0	5.62e-04	-2.27e-04
2831	139	-5.69	-6.82	-0.36	0.0	-4.69e-04	2.25e-04
2831	144	11.60	3.93	-1.16	0.0	1.10e-03	-3.85e-04
2831	168	6.68	7.58	-1.47	0.0	6.30e-04	-2.56e-04
2831	171	-6.45	-7.67	-0.30	0.0	-5.36e-04	2.54e-04
2831	176	11.69	3.88	-1.15	0.0	1.10e-03	-3.76e-04
2831	200	6.87	7.52	-1.46	0.0	6.45e-04	-2.54e-04
2831	203	-6.64	-7.60	-0.30	0.0	-5.51e-04	2.53e-04
2831	216	13.92	4.73	-1.21	0.0	1.25e-03	-4.80e-04
2831	232	8.22	8.78	-1.56	0.0	7.63e-04	-3.01e-04
2831	235	-7.99	-8.87	-0.21	0.0	-6.69e-04	3.00e-04
2832	4	0.24	0.58	-2.67	0.0	8.66e-05	-1.47e-06
2832	44	0.22	-1.31	-2.03	0.0	7.61e-05	-2.99e-06
2832	52	0.25	-0.12	-2.55	0.0	8.73e-05	-2.78e-06
2832	68	0.17	0.38	-1.88	0.0	6.12e-05	-1.07e-06
2832	88	0.15	-0.88	-1.46	0.0	5.42e-05	-2.08e-06
2832	92	0.18	-0.09	-1.80	0.0	6.16e-05	-1.94e-06
2832	98	0.15	-0.07	-1.53	0.0	5.13e-05	-1.59e-06
2832	105	0.14	-0.23	-1.43	0.0	4.89e-05	-1.59e-06
2832	107	0.14	-0.07	-1.46	0.0	4.91e-05	-1.51e-06
2832	112	11.16	3.68	-2.07	0.0	1.16e-03	-4.39e-04
2832	136	6.41	7.18	-2.78	0.0	6.64e-04	-2.79e-04

2832	139	-6.14	-7.31	-0.14	0.0	-5.66e-04	2.76e-04
2832	144	12.57	4.15	-2.15	0.0	1.30e-03	-4.94e-04
2832	168	7.24	8.09	-2.94	0.0	7.44e-04	-3.15e-04
2832	171	-6.96	-8.22	0.02	0.0	-6.46e-04	3.12e-04
2832	176	12.66	4.10	-2.13	0.0	1.30e-03	-4.86e-04
2832	200	7.45	8.02	-2.92	0.0	7.64e-04	-3.16e-04
2832	203	-7.17	-8.15	2.56e-03	0.0	-6.66e-04	3.13e-04
2832	216	15.13	5.00	-2.27	0.0	1.50e-03	-6.10e-04
2832	232	8.91	9.37	-3.16	0.0	9.06e-04	-3.75e-04
2832	235	-8.63	-9.50	0.24	0.0	-8.08e-04	3.72e-04
2833	4	0.28	0.57	-2.69	0.0	8.63e-05	-2.81e-06
2833	44	0.25	-1.41	-2.05	0.0	7.67e-05	-3.65e-06
2833	52	0.29	-0.17	-2.57	0.0	8.72e-05	-4.01e-06
2833	68	0.20	0.37	-1.90	0.0	6.10e-05	-2.02e-06
2833	88	0.18	-0.94	-1.47	0.0	5.46e-05	-2.58e-06
2833	92	0.21	-0.12	-1.81	0.0	6.16e-05	-2.82e-06
2833	98	0.17	-0.10	-1.54	0.0	5.13e-05	-2.30e-06
2833	105	0.16	-0.26	-1.44	0.0	4.91e-05	-2.21e-06
2833	107	0.16	-0.09	-1.47	0.0	4.92e-05	-2.19e-06
2833	112	11.71	3.87	-2.08	0.0	1.07e-03	-5.53e-04
2833	136	6.73	7.61	-2.79	0.0	6.13e-04	-3.45e-04
2833	139	-6.40	-7.79	-0.15	0.0	-5.14e-04	3.41e-04
2833	144	13.18	4.36	-2.16	0.0	1.20e-03	-6.22e-04
2833	168	7.59	8.57	-2.95	0.0	6.87e-04	-3.90e-04
2833	171	-7.27	-8.76	0.01	0.0	-5.88e-04	3.86e-04
2833	176	13.28	4.31	-2.14	0.0	1.21e-03	-6.17e-04
2833	200	7.81	8.50	-2.93	0.0	7.04e-04	-3.94e-04
2833	203	-7.49	-8.68	-7.92e-03	0.0	-6.06e-04	3.90e-04
2833	216	15.84	5.26	-2.28	0.0	1.38e-03	-7.85e-04
2833	232	9.34	9.94	-3.17	0.0	8.35e-04	-4.70e-04
2833	235	-9.02	-10.12	0.23	0.0	-7.36e-04	4.66e-04
2834	4	0.33	0.55	-2.74	-4.83e-04	1.74e-04	-1.74e-06
2834	44	0.29	-1.50	-2.09	-2.90e-04	2.06e-05	-4.57e-06
2834	52	0.34	-0.22	-2.61	-4.26e-04	1.41e-04	-3.37e-06
2834	68	0.23	0.36	-1.93	-3.46e-04	1.24e-04	-1.30e-06
2834	88	0.21	-1.01	-1.50	-2.17e-04	2.19e-05	-3.18e-06
2834	92	0.24	-0.16	-1.84	-3.07e-04	1.02e-04	-2.38e-06
2834	98	0.20	-0.13	-1.56	-2.76e-04	9.02e-05	-1.91e-06
2834	105	0.19	-0.30	-1.47	-2.54e-04	7.31e-05	-2.04e-06
2834	107	0.19	-0.12	-1.49	-2.67e-04	8.77e-05	-1.84e-06
2834	112	12.21	4.04	-2.11	-3.41e-04	8.20e-04	-5.23e-04
2834	136	7.02	8.02	-2.81	-9.00e-04	4.94e-04	-3.35e-04
2834	139	-6.64	-8.27	-0.18	3.65e-04	-3.19e-04	3.31e-04
2834	144	13.74	4.57	-2.18	-3.50e-04	9.13e-04	-5.89e-04
2834	168	7.91	9.04	-2.98	-9.79e-04	5.48e-04	-3.78e-04
2834	171	-7.54	-9.29	-0.01	4.44e-04	-3.72e-04	3.74e-04
2834	176	13.85	4.51	-2.17	-3.53e-04	9.17e-04	-5.81e-04
2834	200	8.14	8.96	-2.96	-9.69e-04	5.62e-04	-3.81e-04
2834	203	-7.77	-9.21	-0.03	4.35e-04	-3.86e-04	3.77e-04
2834	216	16.48	5.51	-2.30	-6.42e-04	1.07e-03	-7.54e-04
2834	232	9.73	10.48	-3.20	-1.09e-03	6.58e-04	-4.53e-04
2834	235	-9.36	-10.73	0.21	5.50e-04	-4.82e-04	4.49e-04
2835	4	0.24	0.58	-2.24	0.0	8.51e-05	-1.27e-06
2835	44	0.21	-1.31	-1.73	0.0	7.53e-05	-2.64e-06
2835	52	0.25	-0.12	-2.14	0.0	8.59e-05	-2.48e-06
2835	68	0.17	0.38	-1.57	0.0	6.01e-05	0.0
2835	88	0.15	-0.87	-1.24	0.0	5.36e-05	-1.82e-06
2835	92	0.17	-0.09	-1.51	0.0	6.06e-05	-1.72e-06
2835	98	0.14	-0.07	-1.27	0.0	5.05e-05	-1.40e-06
2835	105	0.14	-0.23	-1.20	0.0	4.82e-05	-1.39e-06
2835	107	0.14	-0.07	-1.22	0.0	4.83e-05	-1.32e-06
2835	112	10.96	3.68	-1.64	0.0	1.05e-03	-4.24e-04
2835	136	6.30	7.18	-2.13	0.0	5.98e-04	-2.73e-04
2835	139	-6.02	-7.31	-0.30	0.0	-5.01e-04	2.70e-04
2835	144	12.34	4.15	-1.70	0.0	1.17e-03	-4.78e-04
2835	168	7.11	8.09	-2.25	0.0	6.70e-04	-3.08e-04
2835	171	-6.83	-8.22	-0.19	0.0	-5.73e-04	3.05e-04
2835	176	12.43	4.10	-1.69	0.0	1.18e-03	-4.70e-04
2835	200	7.31	8.02	-2.23	0.0	6.86e-04	-3.08e-04
2835	203	-7.04	-8.15	-0.20	0.0	-5.90e-04	3.06e-04
2835	216	14.82	5.00	-1.78	0.0	1.34e-03	-5.96e-04
2835	232	8.74	9.37	-2.40	0.0	8.13e-04	-3.66e-04
2835	235	-8.47	-9.50	-0.03	0.0	-7.16e-04	3.64e-04
2836	4	0.28	0.57	-2.29	0.0	8.57e-05	-2.20e-06
2836	44	0.25	-1.40	-1.78	0.0	7.61e-05	-3.25e-06

2836	52	0.29	-0.17	-2.19	0.0	8.66e-05	-3.39e-06
2836	68	0.20	0.37	-1.61	0.0	6.06e-05	-1.58e-06
2836	88	0.18	-0.94	-1.27	0.0	5.42e-05	-2.28e-06
2836	92	0.20	-0.12	-1.54	0.0	6.12e-05	-2.37e-06
2836	98	0.17	-0.10	-1.30	0.0	5.10e-05	-1.90e-06
2836	105	0.16	-0.26	-1.22	0.0	4.87e-05	-1.85e-06
2836	107	0.16	-0.09	-1.24	0.0	4.88e-05	-1.81e-06
2836	112	11.47	3.87	-1.67	0.0	1.02e-03	-4.96e-04
2836	136	6.59	7.61	-2.16	0.0	5.80e-04	-3.16e-04
2836	139	-6.26	-7.79	-0.32	0.0	-4.82e-04	3.12e-04
2836	144	12.91	4.36	-1.73	0.0	1.15e-03	-5.58e-04
2836	168	7.43	8.57	-2.28	0.0	6.50e-04	-3.56e-04
2836	171	-7.11	-8.76	-0.21	0.0	-5.52e-04	3.53e-04
2836	176	13.01	4.31	-1.72	0.0	1.15e-03	-5.51e-04
2836	200	7.64	8.50	-2.27	0.0	6.66e-04	-3.59e-04
2836	203	-7.32	-8.69	-0.22	0.0	-5.68e-04	3.55e-04
2836	216	15.47	5.26	-1.81	0.0	1.29e-03	-7.07e-04
2836	232	9.14	9.94	-2.44	0.0	7.88e-04	-4.27e-04
2836	235	-8.81	-10.13	-0.05	0.0	-6.91e-04	4.24e-04
2837	4	0.32	0.55	-2.39	-5.10e-04	1.82e-04	-2.22e-06
2837	44	0.29	-1.50	-1.86	-3.25e-04	-2.62e-05	-3.83e-06
2837	52	0.33	-0.22	-2.29	-4.57e-04	1.37e-04	-3.56e-06
2837	68	0.23	0.36	-1.68	-3.64e-04	1.29e-04	-1.61e-06
2837	88	0.21	-1.01	-1.33	-2.40e-04	-1.01e-05	-2.69e-06
2837	92	0.24	-0.16	-1.62	-3.28e-04	9.88e-05	-2.51e-06
2837	98	0.20	-0.13	-1.36	-2.91e-04	8.63e-05	-2.01e-06
2837	105	0.19	-0.30	-1.28	-2.70e-04	6.35e-05	-2.01e-06
2837	107	0.19	-0.12	-1.30	-2.82e-04	8.37e-05	-1.93e-06
2837	112	11.97	4.04	-1.73	-3.46e-04	8.40e-04	-5.24e-04
2837	136	6.87	8.02	-2.23	-8.66e-04	5.08e-04	-3.36e-04
2837	139	-6.50	-8.27	-0.37	3.03e-04	-3.40e-04	3.32e-04
2837	144	13.47	4.57	-1.79	-3.54e-04	9.37e-04	-5.90e-04
2837	168	7.75	9.04	-2.34	-9.39e-04	5.63e-04	-3.79e-04
2837	171	-7.38	-9.29	-0.26	3.76e-04	-3.96e-04	3.75e-04
2837	176	13.57	4.51	-1.77	-3.57e-04	9.41e-04	-5.82e-04
2837	200	7.97	8.96	-2.33	-9.30e-04	5.78e-04	-3.82e-04
2837	203	-7.60	-9.21	-0.27	3.67e-04	-4.11e-04	3.78e-04
2837	216	16.09	5.51	-1.87	-6.33e-04	1.11e-03	-7.56e-04
2837	232	9.52	10.48	-2.50	-1.04e-03	6.78e-04	-4.54e-04
2837	235	-9.15	-10.73	-0.10	4.74e-04	-5.10e-04	4.50e-04
2838	4	0.24	0.58	-1.71	0.0	8.41e-05	-1.21e-06
2838	44	0.21	-1.31	-1.35	0.0	7.46e-05	-2.60e-06
2838	52	0.25	-0.12	-1.65	0.0	8.49e-05	-2.38e-06
2838	68	0.17	0.38	-1.20	0.0	5.94e-05	0.0
2838	88	0.15	-0.87	-0.96	0.0	5.31e-05	-1.80e-06
2838	92	0.17	-0.09	-1.16	0.0	5.99e-05	-1.65e-06
2838	98	0.14	-0.07	-0.97	0.0	4.99e-05	-1.34e-06
2838	105	0.14	-0.23	-0.91	0.0	4.77e-05	-1.34e-06
2838	107	0.14	-0.07	-0.93	0.0	4.78e-05	-1.27e-06
2838	112	10.78	3.68	-1.18	0.0	9.67e-04	-4.08e-04
2838	136	6.19	7.18	-1.47	0.0	5.50e-04	-2.66e-04
2838	139	-5.92	-7.31	-0.38	0.0	-4.55e-04	2.63e-04
2838	144	12.14	4.15	-1.21	0.0	1.08e-03	-4.60e-04
2838	168	6.99	8.09	-1.54	0.0	6.16e-04	-3.00e-04
2838	171	-6.72	-8.22	-0.31	0.0	-5.20e-04	2.98e-04
2838	176	12.23	4.10	-1.21	0.0	1.09e-03	-4.51e-04
2838	200	7.19	8.02	-1.53	0.0	6.30e-04	-3.00e-04
2838	203	-6.91	-8.15	-0.32	0.0	-5.35e-04	2.98e-04
2838	216	14.53	5.00	-1.27	0.0	1.22e-03	-5.80e-04
2838	232	8.59	9.37	-1.63	0.0	7.46e-04	-3.57e-04
2838	235	-8.32	-9.51	-0.22	0.0	-6.50e-04	3.54e-04
2839	4	0.28	0.56	-1.81	0.0	8.50e-05	-1.88e-06
2839	44	0.25	-1.40	-1.43	0.0	7.54e-05	-3.09e-06
2839	52	0.29	-0.17	-1.75	0.0	8.58e-05	-3.06e-06
2839	68	0.20	0.37	-1.27	0.0	6.00e-05	-1.35e-06
2839	88	0.18	-0.94	-1.02	0.0	5.37e-05	-2.15e-06
2839	92	0.20	-0.12	-1.23	0.0	6.06e-05	-2.14e-06
2839	98	0.17	-0.10	-1.03	0.0	5.05e-05	-1.72e-06
2839	105	0.16	-0.26	-0.97	0.0	4.83e-05	-1.69e-06
2839	107	0.16	-0.09	-0.98	0.0	4.84e-05	-1.63e-06
2839	112	11.26	3.87	-1.25	0.0	9.57e-04	-4.71e-04
2839	136	6.46	7.61	-1.54	0.0	5.40e-04	-3.04e-04
2839	139	-6.14	-7.79	-0.42	0.0	-4.43e-04	3.00e-04
2839	144	12.67	4.36	-1.28	0.0	1.07e-03	-5.30e-04
2839	168	7.29	8.57	-1.62	0.0	6.04e-04	-3.42e-04

2839	171	-6.97	-8.76	-0.35	0.0	-5.07e-04	3.39e-04
2839	176	12.77	4.31	-1.27	0.0	1.08e-03	-5.22e-04
2839	200	7.50	8.50	-1.61	0.0	6.18e-04	-3.44e-04
2839	203	-7.17	-8.69	-0.36	0.0	-5.22e-04	3.41e-04
2839	216	15.13	5.26	-1.33	0.0	1.19e-03	-6.75e-04
2839	232	8.96	9.94	-1.71	0.0	7.31e-04	-4.09e-04
2839	235	-8.64	-10.13	-0.25	0.0	-6.35e-04	4.06e-04
2840	4	0.32	0.55	-1.99	-4.69e-04	1.75e-04	-2.32e-06
2840	44	0.29	-1.50	-1.58	-3.04e-04	-3.47e-05	-3.35e-06
2840	52	0.33	-0.22	-1.93	-4.23e-04	1.30e-04	-3.52e-06
2840	68	0.23	0.36	-1.40	-3.33e-04	1.23e-04	-1.67e-06
2840	88	0.20	-1.01	-1.12	-2.24e-04	-1.66e-05	-2.35e-06
2840	92	0.23	-0.16	-1.35	-3.03e-04	9.29e-05	-2.47e-06
2840	98	0.19	-0.13	-1.13	-2.67e-04	8.05e-05	-1.96e-06
2840	105	0.18	-0.30	-1.07	-2.47e-04	5.76e-05	-1.90e-06
2840	107	0.19	-0.12	-1.08	-2.58e-04	7.79e-05	-1.87e-06
2840	112	11.73	4.04	-1.35	-3.11e-04	8.21e-04	-5.25e-04
2840	136	6.73	8.02	-1.66	-7.56e-04	4.97e-04	-3.36e-04
2840	139	-6.36	-8.27	-0.50	2.40e-04	-3.41e-04	3.33e-04
2840	144	13.20	4.57	-1.39	-3.17e-04	9.15e-04	-5.91e-04
2840	168	7.58	9.04	-1.73	-8.18e-04	5.52e-04	-3.80e-04
2840	171	-7.21	-9.29	-0.43	3.02e-04	-3.96e-04	3.76e-04
2840	176	13.30	4.51	-1.38	-3.19e-04	9.19e-04	-5.83e-04
2840	200	7.80	8.96	-1.72	-8.10e-04	5.66e-04	-3.82e-04
2840	203	-7.43	-9.21	-0.43	2.95e-04	-4.10e-04	3.79e-04
2840	216	15.71	5.51	-1.44	-5.60e-04	1.09e-03	-7.58e-04
2840	232	9.32	10.48	-1.83	-9.02e-04	6.64e-04	-4.55e-04
2840	235	-8.95	-10.73	-0.33	3.86e-04	-5.08e-04	4.51e-04
2841	4	0.07	0.53	-1.11	0.0	7.93e-05	-2.30e-06
2841	45	0.02	-0.90	-0.34	0.0	2.99e-05	-1.87e-06
2841	52	0.08	7.60e-03	-1.08	0.0	8.00e-05	-3.33e-06
2841	68	0.05	0.36	-0.78	0.0	5.59e-05	-1.63e-06
2841	85	0.02	-0.60	-0.38	0.0	3.20e-05	-1.70e-06
2841	92	0.05	5.53e-03	-0.76	0.0	5.64e-05	-2.32e-06
2841	98	0.04	4.88e-03	-0.63	0.0	4.68e-05	-1.93e-06
2841	103	0.04	0.12	-0.61	0.0	4.46e-05	-1.60e-06
2841	107	0.04	4.78e-03	-0.60	0.0	4.47e-05	-1.82e-06
2841	112	8.61	2.82	-0.71	0.0	1.07e-03	-3.65e-04
2841	136	4.92	5.27	-0.83	0.0	6.32e-04	-2.30e-04
2841	144	9.70	3.18	-0.73	0.0	1.20e-03	-4.11e-04
2841	168	5.56	5.93	-0.86	0.0	7.09e-04	-2.59e-04
2841	176	9.77	3.15	-0.72	0.0	1.20e-03	-4.08e-04
2841	200	5.72	5.88	-0.86	0.0	7.25e-04	-2.63e-04
2841	216	11.67	3.82	-0.75	0.0	1.40e-03	-5.31e-04
2841	232	6.86	6.87	-0.90	0.0	8.59e-04	-3.14e-04
2842	4	0.11	0.56	-1.20	0.0	8.00e-05	-1.22e-06
2842	44	0.10	-1.00	-0.96	0.0	7.09e-05	-2.82e-06
2842	52	0.12	-0.01	-1.16	0.0	8.07e-05	-2.31e-06
2842	68	0.08	0.37	-0.84	0.0	5.64e-05	0.0
2842	88	0.07	-0.66	-0.68	0.0	5.03e-05	-1.94e-06
2842	92	0.08	-7.91e-03	-0.82	0.0	5.69e-05	-1.60e-06
2842	98	0.07	-5.91e-03	-0.68	0.0	4.73e-05	-1.34e-06
2842	105	0.06	-0.14	-0.64	0.0	4.51e-05	-1.38e-06
2842	107	0.06	-5.42e-03	-0.65	0.0	4.52e-05	-1.26e-06
2842	112	9.15	3.05	-0.77	0.0	1.03e-03	-3.39e-04
2842	136	5.25	5.76	-0.90	0.0	6.06e-04	-2.19e-04
2842	139	-5.12	-5.77	-0.39	0.0	-5.16e-04	2.17e-04
2842	144	10.31	3.43	-0.78	0.0	1.16e-03	-3.82e-04
2842	168	5.93	6.49	-0.94	0.0	6.79e-04	-2.47e-04
2842	171	-5.80	-6.50	-0.36	0.0	-5.89e-04	2.45e-04
2842	176	10.39	3.40	-0.78	0.0	1.16e-03	-3.77e-04
2842	200	6.10	6.43	-0.93	0.0	6.95e-04	-2.49e-04
2842	203	-5.97	-6.44	-0.36	0.0	-6.04e-04	2.46e-04
2842	216	12.39	4.13	-0.81	0.0	1.34e-03	-4.91e-04
2842	232	7.30	7.52	-0.98	0.0	8.22e-04	-2.96e-04
2842	235	-7.17	-7.53	-0.31	0.0	-7.32e-04	2.93e-04
2843	4	0.15	0.57	-1.27	0.0	8.10e-05	0.0
2843	44	0.14	-1.10	-1.02	0.0	7.19e-05	-2.45e-06
2843	52	0.16	-0.04	-1.23	0.0	8.18e-05	-1.94e-06
2843	68	0.11	0.38	-0.89	0.0	5.72e-05	0.0
2843	88	0.10	-0.73	-0.72	0.0	5.11e-05	-1.68e-06
2843	92	0.11	-0.03	-0.87	0.0	5.77e-05	-1.34e-06
2843	98	0.09	-0.02	-0.72	0.0	4.80e-05	-1.12e-06
2843	105	0.09	-0.16	-0.68	0.0	4.58e-05	-1.16e-06
2843	107	0.09	-0.02	-0.69	0.0	4.59e-05	-1.05e-06

2843	112	9.68	3.27	-0.82	0.0	9.85e-04	-3.42e-04
2843	136	5.55	6.25	-0.97	0.0	5.74e-04	-2.25e-04
2843	139	-5.38	-6.29	-0.41	0.0	-4.82e-04	2.23e-04
2843	144	10.90	3.68	-0.84	0.0	1.10e-03	-3.85e-04
2843	168	6.27	7.04	-1.00	0.0	6.43e-04	-2.54e-04
2843	171	-6.09	-7.08	-0.37	0.0	-5.51e-04	2.51e-04
2843	176	10.98	3.64	-0.83	0.0	1.11e-03	-3.78e-04
2843	200	6.45	6.98	-1.00	0.0	6.57e-04	-2.54e-04
2843	203	-6.27	-7.02	-0.38	0.0	-5.65e-04	2.52e-04
2843	216	13.07	4.43	-0.86	0.0	1.26e-03	-4.93e-04
2843	232	7.72	8.15	-1.05	0.0	7.77e-04	-3.01e-04
2843	235	-7.54	-8.20	-0.32	0.0	-6.85e-04	2.99e-04
2844	4	0.20	0.58	-1.34	0.0	8.24e-05	0.0
2844	44	0.17	-1.21	-1.08	0.0	7.32e-05	-2.46e-06
2844	52	0.20	-0.08	-1.31	0.0	8.31e-05	-2.08e-06
2844	68	0.14	0.38	-0.94	0.0	5.81e-05	0.0
2844	88	0.12	-0.81	-0.77	0.0	5.20e-05	-1.69e-06
2844	92	0.14	-0.06	-0.92	0.0	5.86e-05	-1.44e-06
2844	98	0.12	-0.05	-0.76	0.0	4.89e-05	-1.19e-06
2844	105	0.11	-0.20	-0.72	0.0	4.67e-05	-1.21e-06
2844	107	0.11	-0.04	-0.73	0.0	4.68e-05	-1.12e-06
2844	112	10.18	3.48	-0.87	0.0	9.45e-04	-3.71e-04
2844	136	5.84	6.73	-1.03	0.0	5.43e-04	-2.44e-04
2844	139	-5.62	-6.82	-0.42	0.0	-4.50e-04	2.42e-04
2844	144	11.46	3.93	-0.89	0.0	1.06e-03	-4.18e-04
2844	168	6.59	7.58	-1.07	0.0	6.08e-04	-2.76e-04
2844	171	-6.37	-7.67	-0.39	0.0	-5.15e-04	2.73e-04
2844	176	11.54	3.88	-0.88	0.0	1.06e-03	-4.10e-04
2844	200	6.78	7.51	-1.06	0.0	6.22e-04	-2.76e-04
2844	203	-6.55	-7.60	-0.39	0.0	-5.28e-04	2.73e-04
2844	216	13.70	4.73	-0.92	0.0	1.19e-03	-5.34e-04
2844	232	8.11	8.78	-1.12	0.0	7.35e-04	-3.27e-04
2844	235	-7.88	-8.87	-0.34	0.0	-6.41e-04	3.25e-04
2845	4	0.07	0.53	-1.02	0.0	8.03e-05	-3.14e-06
2845	45	0.02	-0.90	-0.32	0.0	3.01e-05	-1.89e-06
2845	52	0.07	7.33e-03	-1.00	0.0	8.09e-05	-4.06e-06
2845	68	0.05	0.36	-0.71	0.0	5.66e-05	-2.22e-06
2845	85	0.02	-0.60	-0.36	0.0	3.22e-05	-1.82e-06
2845	92	0.05	5.36e-03	-0.70	0.0	5.70e-05	-2.84e-06
2845	98	0.04	4.76e-03	-0.58	0.0	4.74e-05	-2.34e-06
2845	103	0.04	0.12	-0.55	0.0	4.51e-05	-2.02e-06
2845	107	0.04	4.67e-03	-0.55	0.0	4.52e-05	-2.22e-06
2845	112	8.44	2.82	-0.61	0.0	1.10e-03	-3.93e-04
2845	136	4.82	5.27	-0.68	0.0	6.49e-04	-2.47e-04
2845	144	9.51	3.18	-0.62	0.0	1.23e-03	-4.43e-04
2845	168	5.45	5.93	-0.69	0.0	7.28e-04	-2.78e-04
2845	176	9.58	3.15	-0.62	0.0	1.24e-03	-4.41e-04
2845	200	5.61	5.88	-0.69	0.0	7.44e-04	-2.83e-04
2845	216	11.40	3.82	-0.63	0.0	1.43e-03	-5.76e-04
2845	232	6.71	6.87	-0.71	0.0	8.80e-04	-3.38e-04
2846	4	0.11	0.56	-1.09	0.0	8.06e-05	-2.19e-06
2846	44	0.10	-1.00	-0.90	0.0	7.14e-05	-3.32e-06
2846	52	0.12	-0.01	-1.07	0.0	8.13e-05	-3.17e-06
2846	68	0.08	0.37	-0.76	0.0	5.68e-05	-1.55e-06
2846	88	0.07	-0.66	-0.63	0.0	5.07e-05	-2.30e-06
2846	92	0.08	-8.22e-03	-0.75	0.0	5.73e-05	-2.20e-06
2846	98	0.07	-6.17e-03	-0.62	0.0	4.76e-05	-1.82e-06
2846	105	0.06	-0.14	-0.59	0.0	4.55e-05	-1.80e-06
2846	107	0.06	-5.66e-03	-0.59	0.0	4.55e-05	-1.72e-06
2846	112	9.00	3.05	-0.66	0.0	1.05e-03	-3.85e-04
2846	136	5.15	5.76	-0.73	0.0	6.18e-04	-2.46e-04
2846	139	-5.03	-5.77	-0.45	0.0	-5.27e-04	2.43e-04
2846	144	10.14	3.43	-0.67	0.0	1.18e-03	-4.34e-04
2846	168	5.82	6.49	-0.75	0.0	6.92e-04	-2.78e-04
2846	171	-5.69	-6.50	-0.43	0.0	-6.01e-04	2.74e-04
2846	176	10.21	3.40	-0.66	0.0	1.18e-03	-4.30e-04
2846	200	5.99	6.43	-0.75	0.0	7.07e-04	-2.81e-04
2846	203	-5.86	-6.44	-0.43	0.0	-6.16e-04	2.78e-04
2846	216	12.14	4.13	-0.68	0.0	1.36e-03	-5.65e-04
2846	232	7.17	7.51	-0.77	0.0	8.37e-04	-3.35e-04
2846	235	-7.04	-7.53	-0.41	0.0	-7.46e-04	3.32e-04
2847	4	0.15	0.57	-1.15	0.0	8.14e-05	-1.57e-06
2847	44	0.13	-1.10	-0.95	0.0	7.22e-05	-2.84e-06
2847	52	0.16	-0.04	-1.13	0.0	8.21e-05	-2.60e-06
2847	68	0.11	0.38	-0.81	0.0	5.74e-05	-1.11e-06

2847	88	0.10	-0.73	-0.67	0.0	5.13e-05	-1.96e-06
2847	92	0.11	-0.03	-0.79	0.0	5.79e-05	-1.80e-06
2847	98	0.09	-0.02	-0.66	0.0	4.82e-05	-1.47e-06
2847	105	0.09	-0.16	-0.62	0.0	4.60e-05	-1.47e-06
2847	107	0.09	-0.02	-0.63	0.0	4.61e-05	-1.39e-06
2847	112	9.53	3.27	-0.70	0.0	9.90e-04	-3.88e-04
2847	136	5.46	6.25	-0.78	0.0	5.76e-04	-2.52e-04
2847	139	-5.29	-6.29	-0.47	0.0	-4.84e-04	2.49e-04
2847	144	10.73	3.68	-0.71	0.0	1.11e-03	-4.37e-04
2847	168	6.17	7.04	-0.80	0.0	6.45e-04	-2.84e-04
2847	171	-5.99	-7.08	-0.45	0.0	-5.53e-04	2.81e-04
2847	176	10.81	3.64	-0.71	0.0	1.11e-03	-4.32e-04
2847	200	6.34	6.98	-0.80	0.0	6.59e-04	-2.86e-04
2847	203	-6.17	-7.02	-0.45	0.0	-5.67e-04	2.84e-04
2847	216	12.83	4.43	-0.72	0.0	1.26e-03	-5.70e-04
2847	232	7.59	8.15	-0.83	0.0	7.79e-04	-3.41e-04
2847	235	-7.41	-8.20	-0.42	0.0	-6.87e-04	3.38e-04
2848	4	0.20	0.58	-1.22	0.0	8.24e-05	-1.35e-06
2848	44	0.17	-1.20	-1.01	0.0	7.32e-05	-2.64e-06
2848	52	0.20	-0.08	-1.20	0.0	8.31e-05	-2.41e-06
2848	68	0.14	0.38	-0.85	0.0	5.81e-05	0.0
2848	88	0.12	-0.81	-0.71	0.0	5.20e-05	-1.82e-06
2848	92	0.14	-0.06	-0.84	0.0	5.86e-05	-1.67e-06
2848	98	0.12	-0.05	-0.69	0.0	4.89e-05	-1.35e-06
2848	105	0.11	-0.20	-0.66	0.0	4.67e-05	-1.35e-06
2848	107	0.11	-0.04	-0.66	0.0	4.67e-05	-1.27e-06
2848	112	10.03	3.48	-0.74	0.0	9.31e-04	-4.06e-04
2848	136	5.75	6.73	-0.83	0.0	5.35e-04	-2.65e-04
2848	139	-5.53	-6.82	-0.49	0.0	-4.42e-04	2.62e-04
2848	144	11.29	3.92	-0.75	0.0	1.04e-03	-4.57e-04
2848	168	6.49	7.58	-0.85	0.0	5.99e-04	-2.99e-04
2848	171	-6.27	-7.67	-0.47	0.0	-5.05e-04	2.97e-04
2848	176	11.37	3.88	-0.75	0.0	1.05e-03	-4.50e-04
2848	200	6.67	7.51	-0.85	0.0	6.11e-04	-3.01e-04
2848	203	-6.45	-7.60	-0.47	0.0	-5.18e-04	2.98e-04
2848	216	13.45	4.73	-0.77	0.0	1.16e-03	-5.94e-04
2848	232	7.98	8.78	-0.88	0.0	7.22e-04	-3.58e-04
2848	235	-7.75	-8.87	-0.44	0.0	-6.28e-04	3.55e-04
2849	4	0.07	0.53	-0.98	0.0	8.10e-05	-3.64e-06
2849	45	0.02	-0.90	-0.32	0.0	3.04e-05	-1.84e-06
2849	52	0.07	7.70e-03	-0.97	0.0	8.16e-05	-4.48e-06
2849	68	0.05	0.36	-0.68	0.0	5.71e-05	-2.56e-06
2849	85	0.02	-0.60	-0.35	0.0	3.25e-05	-1.85e-06
2849	92	0.05	5.63e-03	-0.68	0.0	5.75e-05	-3.12e-06
2849	98	0.04	5.01e-03	-0.56	0.0	4.78e-05	-2.57e-06
2849	103	0.04	0.12	-0.53	0.0	4.55e-05	-2.24e-06
2849	107	0.04	4.92e-03	-0.53	0.0	4.56e-05	-2.43e-06
2849	112	8.26	2.82	-0.56	0.0	1.11e-03	-4.14e-04
2849	132	4.84	5.26	-0.59	0.0	6.79e-04	-2.52e-04
2849	136	4.71	5.27	-0.59	0.0	6.56e-04	-2.59e-04
2849	144	9.30	3.18	-0.56	0.0	1.25e-03	-4.66e-04
2849	164	5.46	5.92	-0.60	0.0	7.60e-04	-2.84e-04
2849	168	5.33	5.93	-0.60	0.0	7.35e-04	-2.92e-04
2849	176	9.37	3.15	-0.56	0.0	1.25e-03	-4.64e-04
2849	200	5.48	5.88	-0.60	0.0	7.51e-04	-2.97e-04
2849	216	11.12	3.82	-0.57	0.0	1.44e-03	-6.08e-04
2849	232	6.56	6.87	-0.61	0.0	8.88e-04	-3.55e-04
2850	4	0.11	0.56	-1.05	0.0	8.13e-05	-2.54e-06
2850	44	0.10	-0.99	-0.88	0.0	7.19e-05	-3.41e-06
2850	52	0.11	-0.01	-1.04	0.0	8.20e-05	-3.45e-06
2850	68	0.08	0.37	-0.73	0.0	5.73e-05	-1.78e-06
2850	88	0.07	-0.66	-0.62	0.0	5.11e-05	-2.36e-06
2850	92	0.08	-8.30e-03	-0.72	0.0	5.78e-05	-2.39e-06
2850	98	0.07	-6.22e-03	-0.60	0.0	4.80e-05	-1.93e-06
2850	105	0.06	-0.14	-0.57	0.0	4.58e-05	-1.88e-06
2850	107	0.06	-5.71e-03	-0.57	0.0	4.59e-05	-1.82e-06
2850	112	8.83	3.05	-0.60	0.0	1.06e-03	-4.17e-04
2850	132	5.19	5.75	-0.64	0.0	6.48e-04	-2.57e-04
2850	139	-4.92	-5.77	-0.50	0.0	-5.31e-04	2.62e-04
2850	144	9.94	3.43	-0.60	0.0	1.19e-03	-4.70e-04
2850	164	5.85	6.47	-0.64	0.0	7.25e-04	-2.90e-04
2850	171	-5.58	-6.50	-0.49	0.0	-6.07e-04	2.96e-04
2850	176	10.02	3.40	-0.60	0.0	1.19e-03	-4.66e-04
2850	200	5.86	6.43	-0.64	0.0	7.13e-04	-3.04e-04
2850	203	-5.74	-6.44	-0.49	0.0	-6.21e-04	3.00e-04

2850	216	11.86	4.13	-0.61	0.0	1.36e-03	-6.17e-04
2850	232	7.02	7.51	-0.66	0.0	8.43e-04	-3.63e-04
2850	235	-6.89	-7.52	-0.48	0.0	-7.51e-04	3.59e-04
2851	4	0.15	0.57	-1.11	0.0	8.19e-05	-1.69e-06
2851	44	0.13	-1.10	-0.93	0.0	7.26e-05	-2.78e-06
2851	52	0.16	-0.04	-1.10	0.0	8.25e-05	-2.67e-06
2851	68	0.11	0.38	-0.77	0.0	5.77e-05	-1.18e-06
2851	88	0.09	-0.73	-0.66	0.0	5.15e-05	-1.90e-06
2851	92	0.11	-0.03	-0.77	0.0	5.82e-05	-1.83e-06
2851	98	0.09	-0.02	-0.63	0.0	4.84e-05	-1.45e-06
2851	105	0.09	-0.16	-0.60	0.0	4.63e-05	-1.42e-06
2851	107	0.09	-0.02	-0.60	0.0	4.63e-05	-1.35e-06
2851	112	9.36	3.27	-0.64	0.0	9.93e-04	-4.25e-04
2851	132	5.51	6.24	-0.68	0.0	6.05e-04	-2.64e-04
2851	139	-5.19	-6.29	-0.53	0.0	-4.86e-04	2.71e-04
2851	144	10.54	3.68	-0.64	0.0	1.11e-03	-4.78e-04
2851	164	6.21	7.02	-0.69	0.0	6.76e-04	-2.98e-04
2851	171	-5.88	-7.08	-0.52	0.0	-5.55e-04	3.06e-04
2851	176	10.62	3.64	-0.64	0.0	1.12e-03	-4.74e-04
2851	200	6.22	6.98	-0.68	0.0	6.61e-04	-3.12e-04
2851	203	-6.05	-7.02	-0.52	0.0	-5.68e-04	3.09e-04
2851	216	12.55	4.43	-0.65	0.0	1.26e-03	-6.29e-04
2851	232	7.44	8.15	-0.70	0.0	7.81e-04	-3.72e-04
2851	235	-7.27	-8.20	-0.50	0.0	-6.88e-04	3.70e-04
2852	4	0.19	0.58	-1.17	0.0	8.25e-05	-1.27e-06
2852	44	0.17	-1.20	-0.99	0.0	7.33e-05	-2.44e-06
2852	52	0.20	-0.08	-1.16	0.0	8.32e-05	-2.29e-06
2852	68	0.14	0.38	-0.82	0.0	5.82e-05	0.0
2852	88	0.12	-0.81	-0.69	0.0	5.21e-05	-1.66e-06
2852	92	0.14	-0.06	-0.81	0.0	5.87e-05	-1.57e-06
2852	98	0.12	-0.05	-0.67	0.0	4.89e-05	-1.22e-06
2852	105	0.11	-0.20	-0.63	0.0	4.68e-05	-1.20e-06
2852	107	0.11	-0.04	-0.63	0.0	4.68e-05	-1.13e-06
2852	112	9.86	3.48	-0.67	0.0	9.24e-04	-4.39e-04
2852	132	5.81	6.71	-0.72	0.0	5.60e-04	-2.75e-04
2852	139	-5.43	-6.82	-0.55	0.0	-4.38e-04	2.83e-04
2852	144	11.10	3.92	-0.68	0.0	1.03e-03	-4.95e-04
2852	168	6.37	7.58	-0.73	0.0	5.94e-04	-3.22e-04
2852	171	-6.15	-7.67	-0.54	0.0	-5.01e-04	3.19e-04
2852	176	11.18	3.88	-0.68	0.0	1.04e-03	-4.89e-04
2852	200	6.55	7.51	-0.72	0.0	6.06e-04	-3.24e-04
2852	203	-6.33	-7.60	-0.54	0.0	-5.12e-04	3.22e-04
2852	216	13.17	4.73	-0.69	0.0	1.15e-03	-6.50e-04
2852	232	7.83	8.78	-0.74	0.0	7.15e-04	-3.87e-04
2852	235	-7.60	-8.87	-0.53	0.0	-6.21e-04	3.84e-04
2853	4	0.06	0.53	-0.99	0.0	8.22e-05	-3.85e-06
2853	45	0.02	-0.90	-0.33	0.0	3.07e-05	-1.72e-06
2853	52	0.07	8.47e-03	-0.99	0.0	8.27e-05	-4.63e-06
2853	68	0.04	0.36	-0.69	0.0	5.80e-05	-2.70e-06
2853	85	0.02	-0.60	-0.36	0.0	3.29e-05	-1.77e-06
2853	92	0.05	6.19e-03	-0.69	0.0	5.83e-05	-3.22e-06
2853	98	0.04	5.50e-03	-0.57	0.0	4.85e-05	-2.62e-06
2853	103	0.04	0.12	-0.54	0.0	4.62e-05	-2.30e-06
2853	107	0.04	5.40e-03	-0.54	0.0	4.63e-05	-2.48e-06
2853	112	8.07	2.82	-0.55	0.0	1.11e-03	-4.28e-04
2853	132	4.73	5.26	-0.55	0.0	6.84e-04	-2.60e-04
2853	136	4.60	5.27	-0.55	0.0	6.58e-04	-2.68e-04
2853	144	9.09	3.18	-0.55	0.0	1.25e-03	-4.82e-04
2853	164	5.34	5.92	-0.55	0.0	7.65e-04	-2.93e-04
2853	168	5.20	5.93	-0.55	0.0	7.37e-04	-3.02e-04
2853	176	9.16	3.15	-0.55	0.0	1.26e-03	-4.80e-04
2853	196	5.40	5.85	-0.55	0.0	7.71e-04	-2.95e-04
2853	200	5.35	5.88	-0.55	0.0	7.52e-04	-3.08e-04
2853	216	10.83	3.82	-0.55	0.0	1.43e-03	-6.30e-04
2853	228	6.39	6.82	-0.55	0.0	9.01e-04	-3.48e-04
2853	232	6.40	6.87	-0.55	0.0	8.89e-04	-3.68e-04
2854	4	0.11	0.56	-1.06	0.0	8.23e-05	-2.25e-06
2854	44	0.09	-0.99	-0.91	0.0	7.26e-05	-3.02e-06
2854	52	0.11	-0.01	-1.06	0.0	8.29e-05	-3.13e-06
2854	68	0.08	0.37	-0.74	0.0	5.80e-05	-1.54e-06
2854	88	0.07	-0.66	-0.64	0.0	5.16e-05	-2.06e-06
2854	92	0.08	-8.21e-03	-0.74	0.0	5.84e-05	-2.13e-06
2854	98	0.06	-6.14e-03	-0.61	0.0	4.86e-05	-1.65e-06
2854	105	0.06	-0.14	-0.58	0.0	4.64e-05	-1.59e-06
2854	107	0.06	-5.62e-03	-0.58	0.0	4.64e-05	-1.53e-06

2854	112	8.64	3.05	-0.58	0.0	1.06e-03	-4.39e-04
2854	132	5.08	5.75	-0.59	0.0	6.51e-04	-2.69e-04
2854	139	-4.81	-5.77	-0.56	0.0	-5.32e-04	2.75e-04
2854	144	9.73	3.43	-0.59	0.0	1.19e-03	-4.94e-04
2854	164	5.73	6.47	-0.59	0.0	7.29e-04	-3.04e-04
2854	171	-5.45	-6.50	-0.56	0.0	-6.07e-04	3.11e-04
2854	176	9.80	3.40	-0.58	0.0	1.20e-03	-4.91e-04
2854	196	5.80	6.40	-0.59	0.0	7.34e-04	-3.04e-04
2854	203	-5.61	-6.44	-0.56	0.0	-6.21e-04	3.16e-04
2854	216	11.56	4.13	-0.59	0.0	1.35e-03	-6.52e-04
2854	228	6.85	7.46	-0.59	0.0	8.57e-04	-3.59e-04
2854	235	-6.73	-7.52	-0.56	0.0	-7.50e-04	3.79e-04
2855	4	0.15	0.57	-1.12	0.0	8.25e-05	-1.08e-06
2855	44	0.13	-1.10	-0.96	0.0	7.31e-05	-2.12e-06
2855	52	0.16	-0.04	-1.12	0.0	8.31e-05	-2.03e-06
2855	68	0.11	0.38	-0.78	0.0	5.82e-05	0.0
2855	88	0.09	-0.73	-0.68	0.0	5.19e-05	-1.40e-06
2855	92	0.11	-0.03	-0.78	0.0	5.86e-05	-1.34e-06
2855	98	0.09	-0.02	-0.64	0.0	4.88e-05	0.0
2855	105	0.09	-0.16	-0.61	0.0	4.66e-05	0.0
2855	107	0.09	-0.02	-0.61	0.0	4.67e-05	0.0
2855	112	9.18	3.27	-0.62	0.0	9.93e-04	-4.51e-04
2855	132	5.41	6.24	-0.62	0.0	6.07e-04	-2.79e-04
2855	139	-5.08	-6.29	-0.59	0.0	-4.85e-04	2.88e-04
2855	144	10.33	3.68	-0.62	0.0	1.11e-03	-5.08e-04
2855	164	6.09	7.02	-0.63	0.0	6.78e-04	-3.15e-04
2855	171	-5.75	-7.08	-0.59	0.0	-5.54e-04	3.25e-04
2855	176	10.41	3.64	-0.62	0.0	1.12e-03	-5.04e-04
2855	196	6.17	6.94	-0.63	0.0	6.83e-04	-3.14e-04
2855	203	-5.92	-7.02	-0.59	0.0	-5.67e-04	3.29e-04
2855	208	12.26	4.26	-0.62	0.0	1.31e-03	-5.91e-04
2855	228	7.28	8.10	-0.63	0.0	7.97e-04	-3.71e-04
2855	235	-7.11	-8.20	-0.59	0.0	-6.86e-04	3.94e-04
2856	4	0.19	0.58	-1.18	0.0	8.28e-05	0.0
2856	44	0.17	-1.20	-1.01	0.0	7.35e-05	-1.66e-06
2856	52	0.20	-0.08	-1.18	0.0	8.34e-05	-1.53e-06
2856	68	0.14	0.38	-0.82	0.0	5.84e-05	0.0
2856	88	0.12	-0.80	-0.71	0.0	5.22e-05	-1.07e-06
2856	92	0.14	-0.06	-0.82	0.0	5.88e-05	0.0
2856	98	0.12	-0.05	-0.68	0.0	4.91e-05	0.0
2856	105	0.11	-0.20	-0.64	0.0	4.69e-05	0.0
2856	107	0.11	-0.04	-0.64	0.0	4.69e-05	0.0
2856	112	9.67	3.48	-0.65	0.0	9.18e-04	-4.67e-04
2856	132	5.71	6.71	-0.66	0.0	5.59e-04	-2.90e-04
2856	139	-5.31	-6.82	-0.62	0.0	-4.35e-04	3.00e-04
2856	144	10.89	3.92	-0.65	0.0	1.03e-03	-5.26e-04
2856	164	6.43	7.56	-0.66	0.0	6.24e-04	-3.27e-04
2856	171	-6.03	-7.67	-0.62	0.0	-4.98e-04	3.39e-04
2856	176	10.96	3.88	-0.65	0.0	1.03e-03	-5.21e-04
2856	196	6.51	7.48	-0.66	0.0	6.28e-04	-3.27e-04
2856	203	-6.19	-7.60	-0.62	0.0	-5.09e-04	3.43e-04
2856	208	12.92	4.54	-0.65	0.0	1.21e-03	-6.10e-04
2856	228	7.68	8.72	-0.66	0.0	7.32e-04	-3.85e-04
2856	235	-7.44	-8.87	-0.62	0.0	-6.16e-04	4.09e-04
2857	28	0.06	-0.53	-1.07	0.0	8.38e-05	-4.58e-06
2857	45	0.02	-0.90	-0.36	0.0	3.14e-05	-1.46e-06
2857	52	0.07	9.46e-03	-1.07	0.0	8.44e-05	-4.46e-06
2857	80	0.04	-0.35	-0.75	0.0	5.91e-05	-3.15e-06
2857	85	0.02	-0.60	-0.39	0.0	3.37e-05	-1.53e-06
2857	92	0.05	6.90e-03	-0.75	0.0	5.95e-05	-3.08e-06
2857	98	0.04	6.12e-03	-0.62	0.0	4.96e-05	-2.46e-06
2857	103	0.04	0.12	-0.58	0.0	4.73e-05	-2.14e-06
2857	107	0.04	6.00e-03	-0.58	0.0	4.74e-05	-2.31e-06
2857	112	7.88	2.82	-0.58	0.0	1.11e-03	-4.38e-04
2857	136	4.49	5.27	-0.55	0.0	6.57e-04	-2.74e-04
2857	139	-4.41	-5.25	-0.62	0.0	-5.62e-04	2.69e-04
2857	144	8.88	3.18	-0.58	0.0	1.25e-03	-4.93e-04
2857	168	5.07	5.93	-0.55	0.0	7.36e-04	-3.09e-04
2857	171	-5.00	-5.92	-0.62	0.0	-6.41e-04	3.04e-04
2857	176	8.94	3.15	-0.58	0.0	1.25e-03	-4.91e-04
2857	200	5.21	5.88	-0.55	0.0	7.50e-04	-3.15e-04
2857	203	-5.14	-5.87	-0.62	0.0	-6.55e-04	3.10e-04
2857	208	10.54	3.68	-0.58	0.0	1.47e-03	-5.77e-04
2857	232	6.24	6.87	-0.54	0.0	8.86e-04	-3.77e-04
2857	235	-6.16	-6.86	-0.63	0.0	-7.91e-04	3.72e-04

2858	28	0.11	-0.60	-1.14	0.0	8.38e-05	-2.39e-06
2858	44	0.09	-0.99	-0.99	0.0	7.37e-05	-2.04e-06
2858	52	0.11	-0.01	-1.14	0.0	8.42e-05	-2.13e-06
2858	80	0.08	-0.40	-0.80	0.0	5.91e-05	-1.54e-06
2858	88	0.07	-0.66	-0.70	0.0	5.24e-05	-1.31e-06
2858	92	0.08	-8.00e-03	-0.80	0.0	5.94e-05	-1.37e-06
2858	98	0.06	-5.94e-03	-0.66	0.0	4.95e-05	0.0
2858	105	0.06	-0.14	-0.62	0.0	4.72e-05	0.0
2858	107	0.06	-5.43e-03	-0.62	0.0	4.73e-05	0.0
2858	112	8.45	3.05	-0.62	0.0	1.06e-03	-4.53e-04
2858	139	-4.70	-5.77	-0.66	0.0	-5.29e-04	2.85e-04
2858	144	9.51	3.43	-0.62	0.0	1.19e-03	-5.10e-04
2858	171	-5.32	-6.49	-0.66	0.0	-6.04e-04	3.23e-04
2858	176	9.58	3.40	-0.62	0.0	1.20e-03	-5.07e-04
2858	203	-5.47	-6.44	-0.66	0.0	-6.17e-04	3.28e-04
2858	208	11.29	3.97	-0.62	0.0	1.40e-03	-5.95e-04
2858	235	-6.57	-7.52	-0.67	0.0	-7.45e-04	3.92e-04
2859	28	0.15	-0.68	-1.20	0.0	8.37e-05	0.0
2859	44	0.13	-1.10	-1.04	0.0	7.38e-05	0.0
2859	52	0.16	-0.04	-1.20	0.0	8.40e-05	0.0
2859	80	0.11	-0.45	-0.84	0.0	5.90e-05	0.0
2859	88	0.09	-0.73	-0.73	0.0	5.24e-05	0.0
2859	92	0.11	-0.03	-0.84	0.0	5.92e-05	0.0
2859	98	0.09	-0.02	-0.69	0.0	4.93e-05	0.0
2859	105	0.09	-0.16	-0.65	0.0	4.71e-05	0.0
2859	107	0.09	-0.02	-0.65	0.0	4.72e-05	0.0
2859	112	8.98	3.27	-0.65	0.0	9.91e-04	-4.69e-04
2859	139	-4.96	-6.29	-0.69	0.0	-4.83e-04	3.00e-04
2859	144	10.11	3.68	-0.65	0.0	1.11e-03	-5.28e-04
2859	171	-5.62	-7.08	-0.70	0.0	-5.51e-04	3.39e-04
2859	176	10.18	3.64	-0.65	0.0	1.11e-03	-5.24e-04
2859	203	-5.78	-7.02	-0.70	0.0	-5.63e-04	3.44e-04
2859	208	12.00	4.26	-0.65	0.0	1.30e-03	-6.15e-04
2859	235	-6.94	-8.20	-0.70	0.0	-6.81e-04	4.11e-04
2860	28	0.20	-0.76	-1.26	0.0	8.35e-05	0.0
2860	44	0.17	-1.20	-1.09	0.0	7.38e-05	0.0
2860	52	0.20	-0.08	-1.26	0.0	8.36e-05	0.0
2860	80	0.14	-0.51	-0.88	0.0	5.89e-05	0.0
2860	88	0.12	-0.80	-0.77	0.0	5.24e-05	0.0
2860	92	0.14	-0.06	-0.88	0.0	5.90e-05	0.0
2860	98	0.12	-0.05	-0.72	0.0	4.92e-05	0.0
2860	105	0.11	-0.20	-0.69	0.0	4.70e-05	0.0
2860	107	0.11	-0.04	-0.68	0.0	4.70e-05	0.0
2860	112	9.47	3.48	-0.68	0.0	9.13e-04	-4.86e-04
2860	139	-5.20	-6.82	-0.73	0.0	-4.32e-04	3.13e-04
2860	144	10.66	3.92	-0.68	0.0	1.02e-03	-5.48e-04
2860	171	-5.89	-7.67	-0.73	0.0	-4.95e-04	3.54e-04
2860	176	10.74	3.88	-0.68	0.0	1.02e-03	-5.43e-04
2860	203	-6.05	-7.60	-0.73	0.0	-5.05e-04	3.58e-04
2860	208	12.65	4.54	-0.68	0.0	1.20e-03	-6.36e-04
2860	235	-7.27	-8.87	-0.74	0.0	-6.11e-04	4.28e-04
2861	4	0.24	0.57	-1.42	0.0	8.36e-05	-1.36e-06
2861	44	0.21	-1.31	-1.15	0.0	7.43e-05	-2.70e-06
2861	52	0.25	-0.13	-1.38	0.0	8.44e-05	-2.49e-06
2861	68	0.17	0.38	-0.99	0.0	5.90e-05	0.0
2861	88	0.15	-0.87	-0.81	0.0	5.28e-05	-1.87e-06
2861	92	0.17	-0.09	-0.97	0.0	5.96e-05	-1.74e-06
2861	98	0.14	-0.07	-0.81	0.0	4.97e-05	-1.41e-06
2861	105	0.14	-0.23	-0.76	0.0	4.75e-05	-1.41e-06
2861	107	0.14	-0.07	-0.77	0.0	4.75e-05	-1.34e-06
2861	112	10.63	3.68	-0.92	0.0	9.18e-04	-4.15e-04
2861	136	6.10	7.18	-1.09	0.0	5.21e-04	-2.71e-04
2861	139	-5.83	-7.31	-0.45	0.0	-4.26e-04	2.69e-04
2861	144	11.97	4.15	-0.94	0.0	1.03e-03	-4.67e-04
2861	168	6.88	8.09	-1.13	0.0	5.83e-04	-3.06e-04
2861	171	-6.61	-8.22	-0.41	0.0	-4.88e-04	3.04e-04
2861	176	12.06	4.10	-0.93	0.0	1.03e-03	-4.59e-04
2861	200	7.08	8.02	-1.12	0.0	5.96e-04	-3.07e-04
2861	203	-6.81	-8.15	-0.41	0.0	-5.01e-04	3.04e-04
2861	216	14.28	5.00	-0.97	0.0	1.14e-03	-5.98e-04
2861	232	8.46	9.37	-1.18	0.0	7.04e-04	-3.65e-04
2861	235	-8.19	-9.51	-0.35	0.0	-6.08e-04	3.62e-04
2862	4	0.28	0.56	-1.53	0.0	8.46e-05	-1.84e-06
2862	44	0.25	-1.40	-1.23	0.0	7.51e-05	-3.05e-06
2862	52	0.29	-0.17	-1.49	0.0	8.53e-05	-3.00e-06

2862	68	0.20	0.37	-1.07	0.0	5.98e-05	-1.33e-06
2862	88	0.18	-0.94	-0.87	0.0	5.35e-05	-2.13e-06
2862	92	0.20	-0.12	-1.04	0.0	6.03e-05	-2.10e-06
2862	98	0.17	-0.10	-0.87	0.0	5.03e-05	-1.69e-06
2862	105	0.16	-0.26	-0.82	0.0	4.81e-05	-1.66e-06
2862	107	0.16	-0.09	-0.83	0.0	4.82e-05	-1.61e-06
2862	112	11.08	3.87	-0.99	0.0	9.01e-04	-4.69e-04
2862	136	6.35	7.61	-1.16	0.0	5.06e-04	-3.04e-04
2862	139	-6.03	-7.80	-0.49	0.0	-4.10e-04	3.01e-04
2862	144	12.47	4.36	-1.01	0.0	1.01e-03	-5.29e-04
2862	168	7.17	8.58	-1.21	0.0	5.66e-04	-3.43e-04
2862	171	-6.85	-8.76	-0.45	0.0	-4.69e-04	3.40e-04
2862	176	12.56	4.31	-1.00	0.0	1.01e-03	-5.21e-04
2862	200	7.37	8.50	-1.20	0.0	5.78e-04	-3.45e-04
2862	203	-7.05	-8.69	-0.45	0.0	-4.82e-04	3.41e-04
2862	216	14.83	5.26	-1.04	0.0	1.10e-03	-6.78e-04
2862	232	8.80	9.94	-1.26	0.0	6.83e-04	-4.10e-04
2862	235	-8.48	-10.13	-0.39	0.0	-5.86e-04	4.07e-04
2863	4	0.32	0.55	-1.73	-3.70e-04	1.62e-04	-2.43e-06
2863	44	0.29	-1.50	-1.41	-2.34e-04	-2.23e-05	-3.23e-06
2863	52	0.33	-0.22	-1.69	-3.31e-04	1.22e-04	-3.55e-06
2863	68	0.23	0.36	-1.21	-2.63e-04	1.14e-04	-1.74e-06
2863	88	0.20	-1.01	-1.00	-1.73e-04	-8.97e-06	-2.28e-06
2863	92	0.23	-0.16	-1.18	-2.37e-04	8.73e-05	-2.49e-06
2863	98	0.19	-0.13	-0.98	-2.10e-04	7.52e-05	-1.99e-06
2863	105	0.18	-0.30	-0.93	-1.94e-04	5.49e-05	-1.91e-06
2863	107	0.18	-0.12	-0.94	-2.03e-04	7.26e-05	-1.91e-06
2863	112	11.52	4.04	-1.10	-2.45e-04	7.92e-04	-5.27e-04
2863	136	6.60	8.02	-1.29	-6.06e-04	4.80e-04	-3.38e-04
2863	139	-6.23	-8.27	-0.58	2.01e-04	-3.35e-04	3.34e-04
2863	144	12.96	4.57	-1.12	-2.50e-04	8.84e-04	-5.93e-04
2863	168	7.44	9.04	-1.33	-6.57e-04	5.34e-04	-3.81e-04
2863	171	-7.07	-9.29	-0.54	2.51e-04	-3.88e-04	3.77e-04
2863	176	13.06	4.51	-1.12	-2.51e-04	8.87e-04	-5.86e-04
2863	200	7.65	8.96	-1.33	-6.51e-04	5.47e-04	-3.84e-04
2863	203	-7.28	-9.21	-0.54	2.45e-04	-4.01e-04	3.80e-04
2863	208	15.38	5.28	-1.15	-2.60e-04	1.03e-03	-6.85e-04
2863	232	9.13	10.48	-1.39	-7.25e-04	6.41e-04	-4.57e-04
2863	235	-8.76	-10.73	-0.48	3.19e-04	-4.96e-04	4.54e-04
2864	4	0.24	0.57	-1.29	0.0	8.33e-05	-1.48e-06
2864	44	0.21	-1.30	-1.06	0.0	7.41e-05	-2.71e-06
2864	52	0.24	-0.13	-1.26	0.0	8.41e-05	-2.58e-06
2864	68	0.17	0.38	-0.90	0.0	5.88e-05	-1.06e-06
2864	88	0.15	-0.87	-0.75	0.0	5.27e-05	-1.88e-06
2864	92	0.17	-0.09	-0.89	0.0	5.93e-05	-1.79e-06
2864	98	0.14	-0.07	-0.73	0.0	4.95e-05	-1.44e-06
2864	105	0.13	-0.23	-0.69	0.0	4.73e-05	-1.43e-06
2864	107	0.14	-0.07	-0.70	0.0	4.74e-05	-1.36e-06
2864	112	10.47	3.68	-0.78	0.0	8.85e-04	-4.36e-04
2864	136	6.00	7.18	-0.88	0.0	5.02e-04	-2.84e-04
2864	139	-5.73	-7.31	-0.52	0.0	-4.07e-04	2.82e-04
2864	144	11.79	4.15	-0.79	0.0	9.92e-04	-4.91e-04
2864	168	6.77	8.09	-0.90	0.0	5.61e-04	-3.21e-04
2864	171	-6.50	-8.22	-0.49	0.0	-4.67e-04	3.18e-04
2864	176	11.87	4.10	-0.79	0.0	9.95e-04	-4.84e-04
2864	200	6.96	8.02	-0.90	0.0	5.73e-04	-3.22e-04
2864	203	-6.69	-8.15	-0.50	0.0	-4.78e-04	3.20e-04
2864	216	14.01	5.00	-0.81	0.0	1.09e-03	-6.36e-04
2864	232	8.32	9.37	-0.93	0.0	6.76e-04	-3.84e-04
2864	235	-8.05	-9.51	-0.46	0.0	-5.81e-04	3.81e-04
2865	4	0.28	0.56	-1.39	0.0	8.41e-05	-1.88e-06
2865	44	0.25	-1.40	-1.15	0.0	7.48e-05	-2.99e-06
2865	52	0.29	-0.17	-1.36	0.0	8.48e-05	-2.99e-06
2865	68	0.20	0.37	-0.97	0.0	5.94e-05	-1.35e-06
2865	88	0.18	-0.94	-0.81	0.0	5.32e-05	-2.09e-06
2865	92	0.20	-0.12	-0.95	0.0	5.99e-05	-2.09e-06
2865	98	0.17	-0.10	-0.79	0.0	5.00e-05	-1.68e-06
2865	105	0.16	-0.26	-0.75	0.0	4.78e-05	-1.65e-06
2865	107	0.16	-0.09	-0.75	0.0	4.79e-05	-1.60e-06
2865	112	10.89	3.87	-0.84	0.0	8.54e-04	-4.79e-04
2865	136	6.24	7.61	-0.94	0.0	4.79e-04	-3.10e-04
2865	139	-5.92	-7.80	-0.56	0.0	-3.83e-04	3.07e-04
2865	144	12.26	4.36	-0.85	0.0	9.57e-04	-5.40e-04
2865	168	7.04	8.58	-0.97	0.0	5.35e-04	-3.50e-04
2865	171	-6.72	-8.77	-0.54	0.0	-4.40e-04	3.47e-04

2865	176	12.35	4.31	-0.85	0.0	9.59e-04	-5.32e-04
2865	200	7.23	8.50	-0.96	0.0	5.46e-04	-3.52e-04
2865	203	-6.92	-8.69	-0.54	0.0	-4.51e-04	3.49e-04
2865	208	14.55	5.05	-0.87	0.0	1.12e-03	-6.21e-04
2865	232	8.64	9.94	-1.00	0.0	6.44e-04	-4.19e-04
2865	235	-8.32	-10.13	-0.50	0.0	-5.48e-04	4.16e-04
2866	4	0.32	0.55	-1.58	-2.58e-04	1.47e-04	-2.63e-06
2866	44	0.28	-1.50	-1.31	-1.52e-04	-1.01e-06	-3.31e-06
2866	52	0.33	-0.23	-1.56	-2.26e-04	1.16e-04	-3.72e-06
2866	68	0.23	0.36	-1.11	-1.84e-04	1.04e-04	-1.90e-06
2866	88	0.20	-1.01	-0.93	-1.13e-04	4.76e-06	-2.35e-06
2866	92	0.23	-0.16	-1.09	-1.62e-04	8.27e-05	-2.62e-06
2866	98	0.19	-0.13	-0.90	-1.45e-04	7.09e-05	-2.12e-06
2866	105	0.18	-0.30	-0.85	-1.33e-04	5.42e-05	-2.03e-06
2866	107	0.18	-0.12	-0.86	-1.40e-04	6.83e-05	-2.03e-06
2866	112	11.31	4.04	-0.95	-2.87e-04	7.66e-04	-5.28e-04
2866	136	6.47	8.02	-1.06	-4.57e-04	4.65e-04	-3.39e-04
2866	139	-6.10	-8.27	-0.66	1.76e-04	-3.29e-04	3.35e-04
2866	144	12.72	4.57	-0.96	-3.06e-04	8.55e-04	-5.95e-04
2866	168	7.30	9.04	-1.08	-4.97e-04	5.17e-04	-3.82e-04
2866	171	-6.93	-9.29	-0.63	2.16e-04	-3.81e-04	3.78e-04
2866	176	12.82	4.51	-0.96	-3.02e-04	8.58e-04	-5.87e-04
2866	200	7.50	8.96	-1.08	-4.92e-04	5.29e-04	-3.85e-04
2866	203	-7.13	-9.21	-0.63	2.11e-04	-3.93e-04	3.81e-04
2866	208	15.09	5.28	-0.98	-3.28e-04	9.99e-04	-6.87e-04
2866	232	8.95	10.48	-1.12	-5.50e-04	6.21e-04	-4.59e-04
2866	235	-8.58	-10.73	-0.60	2.70e-04	-4.84e-04	4.55e-04
2867	4	0.24	0.57	-1.23	0.0	8.32e-05	-1.32e-06
2867	44	0.21	-1.30	-1.04	0.0	7.40e-05	-2.43e-06
2867	52	0.24	-0.13	-1.22	0.0	8.39e-05	-2.37e-06
2867	68	0.17	0.38	-0.86	0.0	5.87e-05	0.0
2867	88	0.15	-0.87	-0.73	0.0	5.26e-05	-1.67e-06
2867	92	0.17	-0.09	-0.85	0.0	5.92e-05	-1.63e-06
2867	98	0.14	-0.07	-0.71	0.0	4.94e-05	-1.26e-06
2867	105	0.13	-0.23	-0.67	0.0	4.72e-05	-1.24e-06
2867	107	0.13	-0.07	-0.67	0.0	4.73e-05	-1.19e-06
2867	112	10.29	3.68	-0.71	0.0	8.66e-04	-4.62e-04
2867	136	5.90	7.18	-0.76	0.0	4.92e-04	-3.00e-04
2867	139	-5.63	-7.31	-0.58	0.0	-3.97e-04	2.97e-04
2867	144	11.59	4.15	-0.72	0.0	9.70e-04	-5.20e-04
2867	168	6.65	8.09	-0.77	0.0	5.49e-04	-3.38e-04
2867	171	-6.38	-8.22	-0.57	0.0	-4.55e-04	3.36e-04
2867	176	11.67	4.10	-0.72	0.0	9.72e-04	-5.14e-04
2867	200	6.83	8.02	-0.77	0.0	5.60e-04	-3.41e-04
2867	203	-6.56	-8.15	-0.57	0.0	-4.65e-04	3.38e-04
2867	208	13.75	4.80	-0.72	0.0	1.14e-03	-6.01e-04
2867	232	8.16	9.37	-0.78	0.0	6.60e-04	-4.06e-04
2867	235	-7.89	-9.51	-0.56	0.0	-5.65e-04	4.04e-04
2868	4	0.28	0.56	-1.33	0.0	8.37e-05	-1.76e-06
2868	44	0.25	-1.40	-1.12	0.0	7.45e-05	-2.72e-06
2868	52	0.28	-0.17	-1.32	0.0	8.44e-05	-2.82e-06
2868	68	0.20	0.37	-0.93	0.0	5.91e-05	-1.25e-06
2868	88	0.17	-0.94	-0.79	0.0	5.30e-05	-1.89e-06
2868	92	0.20	-0.12	-0.92	0.0	5.96e-05	-1.96e-06
2868	98	0.17	-0.10	-0.76	0.0	4.98e-05	-1.55e-06
2868	105	0.16	-0.26	-0.72	0.0	4.76e-05	-1.50e-06
2868	107	0.16	-0.09	-0.72	0.0	4.76e-05	-1.47e-06
2868	112	10.70	3.87	-0.77	0.0	8.25e-04	-4.94e-04
2868	136	6.13	7.61	-0.81	0.0	4.63e-04	-3.19e-04
2868	139	-5.81	-7.80	-0.63	0.0	-3.68e-04	3.16e-04
2868	144	12.05	4.37	-0.77	0.0	9.23e-04	-5.56e-04
2868	168	6.91	8.58	-0.83	0.0	5.17e-04	-3.60e-04
2868	171	-6.59	-8.77	-0.62	0.0	-4.22e-04	3.57e-04
2868	176	12.13	4.31	-0.77	0.0	9.25e-04	-5.49e-04
2868	200	7.10	8.50	-0.82	0.0	5.27e-04	-3.62e-04
2868	203	-6.78	-8.69	-0.62	0.0	-4.31e-04	3.59e-04
2868	208	14.29	5.05	-0.78	0.0	1.08e-03	-6.41e-04
2868	232	8.47	9.94	-0.84	0.0	6.20e-04	-4.31e-04
2868	235	-8.16	-10.13	-0.60	0.0	-5.25e-04	4.29e-04
2869	4	0.32	0.55	-1.52	-1.62e-04	1.34e-04	-2.56e-06
2869	44	0.28	-1.50	-1.28	-7.92e-05	2.24e-05	-3.22e-06
2869	52	0.33	-0.23	-1.50	-1.35e-04	1.11e-04	-3.63e-06
2869	68	0.23	0.36	-1.06	-1.16e-04	9.44e-05	-1.84e-06
2869	88	0.20	-1.01	-0.91	-6.07e-05	2.00e-05	-2.28e-06
2869	92	0.23	-0.16	-1.05	-9.77e-05	7.91e-05	-2.56e-06

2869	98	0.19	-0.13	-0.87	-8.92e-05	6.75e-05	-2.06e-06
2869	105	0.18	-0.30	-0.82	-8.09e-05	5.47e-05	-1.97e-06
2869	107	0.18	-0.12	-0.82	-8.69e-05	6.50e-05	-1.97e-06
2869	112	11.10	4.04	-0.87	-2.04e-04	7.44e-04	-5.28e-04
2869	136	6.35	8.02	-0.92	-3.40e-04	4.53e-04	-3.39e-04
2869	139	-5.98	-8.27	-0.73	1.66e-04	-3.23e-04	3.35e-04
2869	144	12.49	4.57	-0.88	-2.19e-04	8.30e-04	-5.95e-04
2869	168	7.16	9.04	-0.93	-3.71e-04	5.03e-04	-3.82e-04
2869	171	-6.79	-9.29	-0.71	1.97e-04	-3.73e-04	3.78e-04
2869	176	12.57	4.51	-0.87	-2.16e-04	8.32e-04	-5.87e-04
2869	200	7.35	8.96	-0.93	-3.68e-04	5.14e-04	-3.85e-04
2869	203	-6.98	-9.21	-0.71	1.94e-04	-3.84e-04	3.81e-04
2869	208	14.80	5.28	-0.88	-2.37e-04	9.70e-04	-6.87e-04
2869	232	8.77	10.48	-0.95	-4.14e-04	6.02e-04	-4.59e-04
2869	235	-8.40	-10.73	-0.70	2.40e-04	-4.72e-04	4.55e-04
2870	4	0.24	0.57	-1.25	0.0	8.30e-05	0.0
2870	44	0.21	-1.30	-1.07	0.0	7.39e-05	-1.68e-06
2870	52	0.24	-0.13	-1.24	0.0	8.37e-05	-1.66e-06
2870	68	0.17	0.38	-0.87	0.0	5.86e-05	0.0
2870	88	0.15	-0.87	-0.75	0.0	5.25e-05	-1.11e-06
2870	92	0.17	-0.09	-0.87	0.0	5.91e-05	-1.09e-06
2870	98	0.14	-0.07	-0.71	0.0	4.93e-05	0.0
2870	105	0.13	-0.23	-0.68	0.0	4.71e-05	0.0
2870	107	0.13	-0.07	-0.68	0.0	4.71e-05	0.0
2870	112	10.10	3.68	-0.69	0.0	8.55e-04	-4.86e-04
2870	132	5.97	7.16	-0.70	0.0	5.18e-04	-3.03e-04
2870	139	-5.51	-7.31	-0.66	0.0	-3.92e-04	3.12e-04
2870	144	11.37	4.15	-0.69	0.0	9.58e-04	-5.47e-04
2870	164	6.72	8.07	-0.70	0.0	5.78e-04	-3.42e-04
2870	171	-6.25	-8.23	-0.66	0.0	-4.49e-04	3.53e-04
2870	176	11.45	4.10	-0.69	0.0	9.59e-04	-5.41e-04
2870	196	6.80	7.98	-0.70	0.0	5.81e-04	-3.40e-04
2870	203	-6.43	-8.15	-0.66	0.0	-4.59e-04	3.56e-04
2870	208	13.49	4.80	-0.69	0.0	1.12e-03	-6.34e-04
2870	228	8.03	9.31	-0.70	0.0	6.77e-04	-4.01e-04
2870	235	-7.73	-9.51	-0.65	0.0	-5.57e-04	4.25e-04
2871	4	0.28	0.56	-1.34	0.0	8.32e-05	-1.32e-06
2871	44	0.24	-1.40	-1.15	0.0	7.41e-05	-2.10e-06
2871	52	0.28	-0.18	-1.33	0.0	8.39e-05	-2.31e-06
2871	68	0.19	0.37	-0.93	0.0	5.88e-05	0.0
2871	88	0.17	-0.94	-0.81	0.0	5.27e-05	-1.44e-06
2871	92	0.20	-0.12	-0.93	0.0	5.92e-05	-1.58e-06
2871	98	0.17	-0.10	-0.77	0.0	4.94e-05	-1.19e-06
2871	105	0.16	-0.26	-0.73	0.0	4.73e-05	-1.13e-06
2871	107	0.16	-0.10	-0.73	0.0	4.73e-05	-1.11e-06
2871	112	10.50	3.87	-0.74	0.0	8.09e-04	-5.09e-04
2871	132	6.21	7.60	-0.75	0.0	4.88e-04	-3.18e-04
2871	139	-5.69	-7.80	-0.71	0.0	-3.61e-04	3.26e-04
2871	144	11.82	4.37	-0.74	0.0	9.06e-04	-5.74e-04
2871	164	6.99	8.56	-0.75	0.0	5.45e-04	-3.59e-04
2871	171	-6.46	-8.77	-0.70	0.0	-4.14e-04	3.68e-04
2871	176	11.90	4.31	-0.74	0.0	9.07e-04	-5.67e-04
2871	196	7.08	8.47	-0.75	0.0	5.47e-04	-3.57e-04
2871	203	-6.64	-8.69	-0.71	0.0	-4.23e-04	3.71e-04
2871	208	14.02	5.05	-0.74	0.0	1.06e-03	-6.64e-04
2871	228	8.34	9.88	-0.75	0.0	6.37e-04	-4.20e-04
2871	235	-7.99	-10.13	-0.70	0.0	-5.14e-04	4.43e-04
2872	4	0.32	0.55	-1.52	-1.03e-04	1.24e-04	-2.62e-06
2872	44	0.28	-1.50	-1.31	-3.49e-05	4.33e-05	-2.77e-06
2872	52	0.33	-0.23	-1.52	-7.86e-05	1.08e-04	-3.51e-06
2872	68	0.22	0.36	-1.06	-7.43e-05	8.72e-05	-1.87e-06
2872	88	0.20	-1.01	-0.92	-2.88e-05	3.37e-05	-1.98e-06
2872	92	0.23	-0.16	-1.06	-5.80e-05	7.67e-05	-2.47e-06
2872	98	0.19	-0.13	-0.87	-5.48e-05	6.52e-05	-1.98e-06
2872	105	0.18	-0.30	-0.82	-4.86e-05	5.56e-05	-1.84e-06
2872	107	0.18	-0.12	-0.83	-5.39e-05	6.27e-05	-1.89e-06
2872	112	10.89	4.04	-0.84	-1.54e-04	7.24e-04	-5.30e-04
2872	132	6.44	8.00	-0.85	-2.69e-04	4.53e-04	-3.31e-04
2872	139	-5.86	-8.27	-0.80	1.61e-04	-3.15e-04	3.36e-04
2872	144	12.25	4.57	-0.84	-1.67e-04	8.07e-04	-5.97e-04
2872	164	7.25	9.02	-0.85	-2.96e-04	5.03e-04	-3.74e-04
2872	171	-6.65	-9.29	-0.80	1.88e-04	-3.64e-04	3.80e-04
2872	176	12.34	4.51	-0.84	-1.64e-04	8.09e-04	-5.89e-04
2872	196	7.34	8.92	-0.85	-2.92e-04	5.06e-04	-3.72e-04
2872	203	-6.84	-9.21	-0.80	1.85e-04	-3.73e-04	3.83e-04

2872	208	14.52	5.28	-0.84	-1.82e-04	9.42e-04	-6.89e-04
2872	228	8.65	10.42	-0.85	-3.31e-04	5.87e-04	-4.37e-04
2872	235	-8.23	-10.73	-0.80	2.25e-04	-4.59e-04	4.57e-04
2873	28	0.24	-0.84	-1.32	0.0	8.33e-05	0.0
2873	44	0.21	-1.30	-1.15	0.0	7.37e-05	0.0
2873	52	0.24	-0.13	-1.32	0.0	8.33e-05	0.0
2873	80	0.17	-0.57	-0.92	0.0	5.88e-05	0.0
2873	88	0.15	-0.87	-0.81	0.0	5.24e-05	0.0
2873	92	0.17	-0.09	-0.92	0.0	5.87e-05	0.0
2873	98	0.14	-0.07	-0.76	0.0	4.90e-05	0.0
2873	105	0.13	-0.23	-0.72	0.0	4.69e-05	0.0
2873	107	0.13	-0.07	-0.72	0.0	4.68e-05	0.0
2873	112	9.90	3.68	-0.71	0.0	8.47e-04	-5.04e-04
2873	139	-5.39	-7.32	-0.76	0.0	-3.90e-04	3.24e-04
2873	144	11.14	4.15	-0.71	0.0	9.49e-04	-5.68e-04
2873	171	-6.12	-8.23	-0.77	0.0	-4.46e-04	3.67e-04
2873	176	11.22	4.10	-0.71	0.0	9.50e-04	-5.62e-04
2873	203	-6.29	-8.16	-0.77	0.0	-4.55e-04	3.71e-04
2873	208	13.21	4.80	-0.71	0.0	1.11e-03	-6.59e-04
2873	235	-7.55	-9.51	-0.78	0.0	-5.52e-04	4.43e-04
2874	28	0.28	-0.93	-1.41	0.0	8.31e-05	-1.41e-06
2874	44	0.24	-1.40	-1.22	0.0	7.36e-05	-1.09e-06
2874	52	0.28	-0.18	-1.41	0.0	8.30e-05	-1.40e-06
2874	80	0.20	-0.62	-0.98	0.0	5.86e-05	0.0
2874	88	0.17	-0.94	-0.86	0.0	5.23e-05	0.0
2874	92	0.20	-0.12	-0.98	0.0	5.85e-05	0.0
2874	98	0.16	-0.10	-0.81	0.0	4.88e-05	0.0
2874	105	0.16	-0.26	-0.76	0.0	4.67e-05	0.0
2874	107	0.16	-0.10	-0.76	0.0	4.67e-05	0.0
2874	112	10.30	3.87	-0.76	0.0	8.04e-04	-5.24e-04
2874	139	-5.57	-7.80	-0.81	0.0	-3.62e-04	3.35e-04
2874	144	11.59	4.37	-0.76	0.0	9.00e-04	-5.91e-04
2874	171	-6.32	-8.77	-0.82	0.0	-4.15e-04	3.79e-04
2874	176	11.67	4.32	-0.76	0.0	9.00e-04	-5.85e-04
2874	203	-6.50	-8.70	-0.82	0.0	-4.23e-04	3.83e-04
2874	208	13.73	5.05	-0.76	0.0	1.05e-03	-6.84e-04
2874	235	-7.81	-10.14	-0.83	0.0	-5.13e-04	4.57e-04
2875	28	0.32	-1.01	-1.57	-5.70e-05	8.30e-05	-2.93e-06
2875	44	0.28	-1.50	-1.37	-3.77e-05	5.64e-05	-2.27e-06
2875	52	0.32	-0.23	-1.57	-8.00e-05	1.06e-04	-3.38e-06
2875	80	0.23	-0.68	-1.10	-4.34e-05	6.00e-05	-2.07e-06
2875	88	0.20	-1.01	-0.96	-3.05e-05	4.23e-05	-1.63e-06
2875	92	0.23	-0.16	-1.10	-5.87e-05	7.54e-05	-2.37e-06
2875	98	0.19	-0.13	-0.90	-5.46e-05	6.41e-05	-1.89e-06
2875	105	0.18	-0.30	-0.85	-4.86e-05	5.64e-05	-1.71e-06
2875	107	0.18	-0.12	-0.85	-5.37e-05	6.16e-05	-1.81e-06
2875	112	10.68	4.04	-0.85	-1.48e-04	7.08e-04	-5.34e-04
2875	139	-5.74	-8.27	-0.90	1.50e-04	-3.08e-04	3.39e-04
2875	144	12.02	4.57	-0.85	-1.60e-04	7.90e-04	-6.02e-04
2875	171	-6.52	-9.29	-0.91	1.75e-04	-3.56e-04	3.83e-04
2875	176	12.10	4.51	-0.84	-1.58e-04	7.91e-04	-5.94e-04
2875	203	-6.69	-9.21	-0.91	1.72e-04	-3.64e-04	3.86e-04
2875	208	14.24	5.28	-0.84	-1.74e-04	9.21e-04	-6.95e-04
2875	235	-8.05	-10.73	-0.92	2.10e-04	-4.46e-04	4.61e-04
2876	28	0.06	-0.53	-1.30	0.0	8.71e-05	-3.70e-06
2876	45	0.02	-0.90	-0.45	0.0	3.30e-05	0.0
2876	52	0.06	0.01	-1.29	0.0	8.78e-05	-3.60e-06
2876	80	0.04	-0.35	-0.91	0.0	6.15e-05	-2.48e-06
2876	85	0.02	-0.59	-0.48	0.0	3.54e-05	0.0
2876	92	0.04	7.96e-03	-0.90	0.0	6.20e-05	-2.41e-06
2876	98	0.04	7.03e-03	-0.74	0.0	5.19e-05	-1.82e-06
2876	103	0.03	0.12	-0.70	0.0	4.96e-05	-1.50e-06
2876	107	0.03	6.88e-03	-0.70	0.0	4.96e-05	-1.66e-06
2876	112	7.66	2.82	-0.65	0.0	1.11e-03	-4.44e-04
2876	136	4.36	5.27	-0.59	0.0	6.56e-04	-2.77e-04
2876	139	-4.29	-5.25	-0.81	0.0	-5.57e-04	2.74e-04
2876	144	8.63	3.18	-0.64	0.0	1.25e-03	-5.00e-04
2876	168	4.92	5.93	-0.58	0.0	7.35e-04	-3.13e-04
2876	171	-4.85	-5.91	-0.82	0.0	-6.36e-04	3.10e-04
2876	176	8.69	3.15	-0.65	0.0	1.25e-03	-4.98e-04
2876	200	5.05	5.88	-0.58	0.0	7.47e-04	-3.19e-04
2876	203	-4.98	-5.87	-0.82	0.0	-6.48e-04	3.16e-04
2876	208	10.24	3.68	-0.64	0.0	1.46e-03	-5.85e-04
2876	232	6.05	6.87	-0.56	0.0	8.81e-04	-3.82e-04
2876	235	-5.98	-6.86	-0.84	0.0	-7.82e-04	3.79e-04

2877	18	7.40e-03	0.82	-1.00	3.61e-04	7.82e-05	-6.32e-06
2877	28	0.02	-0.46	-1.18	4.59e-04	8.79e-05	-8.12e-06
2877	52	0.02	0.03	-1.18	4.46e-04	8.87e-05	-8.25e-06
2877	75	5.07e-03	0.55	-0.70	2.55e-04	5.57e-05	-4.55e-06
2877	80	0.01	-0.31	-0.83	3.20e-04	6.21e-05	-5.75e-06
2877	92	0.01	0.02	-0.82	3.11e-04	6.27e-05	-5.83e-06
2877	98	9.33e-03	0.02	-0.67	2.56e-04	5.24e-05	-4.93e-06
2877	103	7.64e-03	0.12	-0.64	2.39e-04	5.01e-05	-4.59e-06
2877	107	8.56e-03	0.01	-0.64	2.42e-04	5.02e-05	-4.72e-06
2877	112	7.07	2.59	-0.59	2.28e-04	1.13e-03	-4.29e-04
2877	136	4.01	4.77	-0.54	1.17e-04	6.70e-04	-2.64e-04
2877	139	-3.99	-4.74	-0.74	3.67e-04	-5.69e-04	2.55e-04
2877	144	7.97	2.92	-0.58	2.26e-04	1.27e-03	-4.83e-04
2877	168	4.53	5.37	-0.52	1.02e-04	7.50e-04	-2.98e-04
2877	171	-4.52	-5.34	-0.75	3.83e-04	-6.49e-04	2.89e-04
2877	176	8.02	2.89	-0.58	2.25e-04	1.27e-03	-4.82e-04
2877	200	4.66	5.33	-0.52	1.04e-04	7.62e-04	-3.04e-04
2877	203	-4.64	-5.30	-0.75	3.81e-04	-6.62e-04	2.95e-04
2877	208	9.46	3.38	-0.58	2.21e-04	1.49e-03	-5.67e-04
2877	232	5.58	6.23	-0.51	8.09e-05	8.99e-04	-3.64e-04
2877	235	-5.56	-6.20	-0.77	4.04e-04	-7.99e-04	3.55e-04
2878	28	0.11	-0.60	-1.38	0.0	8.61e-05	0.0
2878	44	0.09	-0.99	-1.20	0.0	7.58e-05	0.0
2878	52	0.11	-0.01	-1.37	0.0	8.67e-05	0.0
2878	80	0.08	-0.40	-0.96	0.0	6.08e-05	0.0
2878	88	0.06	-0.66	-0.84	0.0	5.39e-05	0.0
2878	92	0.08	-7.59e-03	-0.96	0.0	6.12e-05	0.0
2878	98	0.06	-5.58e-03	-0.79	0.0	5.11e-05	0.0
2878	105	0.06	-0.14	-0.75	0.0	4.88e-05	0.0
2878	107	0.06	-5.08e-03	-0.75	0.0	4.89e-05	0.0
2878	112	8.22	3.05	-0.73	0.0	1.06e-03	-4.61e-04
2878	139	-4.57	-5.77	-0.86	0.0	-5.24e-04	2.93e-04
2878	144	9.26	3.43	-0.73	0.0	1.19e-03	-5.20e-04
2878	171	-5.17	-6.49	-0.87	0.0	-5.99e-04	3.31e-04
2878	176	9.33	3.40	-0.73	0.0	1.19e-03	-5.17e-04
2878	203	-5.31	-6.44	-0.87	0.0	-6.10e-04	3.37e-04
2878	208	10.99	3.97	-0.73	0.0	1.39e-03	-6.07e-04
2878	235	-6.37	-7.52	-0.89	0.0	-7.37e-04	4.03e-04
2879	28	0.15	-0.68	-1.45	0.0	8.50e-05	1.70e-06
2879	44	0.13	-1.10	-1.26	0.0	7.49e-05	1.80e-06
2879	52	0.16	-0.04	-1.44	0.0	8.53e-05	2.07e-06
2879	80	0.11	-0.45	-1.01	0.0	6.00e-05	1.50e-06
2879	88	0.09	-0.73	-0.88	0.0	5.33e-05	1.57e-06
2879	92	0.11	-0.03	-1.00	0.0	6.02e-05	1.74e-06
2879	98	0.09	-0.02	-0.82	0.0	5.02e-05	1.96e-06
2879	105	0.09	-0.16	-0.78	0.0	4.79e-05	1.96e-06
2879	107	0.09	-0.02	-0.78	0.0	4.80e-05	2.04e-06
2879	112	8.75	3.27	-0.77	0.0	9.85e-04	-4.80e-04
2879	139	-4.83	-6.29	-0.89	0.0	-4.78e-04	3.10e-04
2879	144	9.86	3.68	-0.77	0.0	1.10e-03	-5.41e-04
2879	171	-5.47	-7.08	-0.91	0.0	-5.47e-04	3.50e-04
2879	176	9.92	3.64	-0.77	0.0	1.11e-03	-5.37e-04
2879	203	-5.62	-7.02	-0.91	0.0	-5.57e-04	3.56e-04
2879	208	11.69	4.26	-0.76	0.0	1.29e-03	-6.30e-04
2879	235	-6.74	-8.20	-0.93	0.0	-6.73e-04	4.25e-04
2880	28	0.20	-0.76	-1.51	0.0	8.37e-05	2.38e-06
2880	44	0.17	-1.20	-1.31	0.0	7.40e-05	2.42e-06
2880	52	0.20	-0.08	-1.50	0.0	8.37e-05	2.71e-06
2880	80	0.14	-0.51	-1.05	0.0	5.90e-05	1.98e-06
2880	88	0.12	-0.80	-0.92	0.0	5.25e-05	2.01e-06
2880	92	0.14	-0.06	-1.04	0.0	5.90e-05	2.20e-06
2880	98	0.12	-0.05	-0.86	0.0	4.92e-05	2.36e-06
2880	105	0.11	-0.20	-0.82	0.0	4.70e-05	2.35e-06
2880	107	0.11	-0.04	-0.81	0.0	4.70e-05	2.42e-06
2880	112	9.24	3.48	-0.80	0.0	9.05e-04	-4.99e-04
2880	139	-5.06	-6.82	-0.93	0.0	-4.29e-04	3.24e-04
2880	144	10.41	3.92	-0.80	0.0	1.01e-03	-5.62e-04
2880	171	-5.73	-7.67	-0.94	0.0	-4.90e-04	3.66e-04
2880	176	10.47	3.88	-0.80	0.0	1.02e-03	-5.57e-04
2880	203	-5.89	-7.60	-0.94	0.0	-5.00e-04	3.71e-04
2880	208	12.33	4.54	-0.80	0.0	1.19e-03	-6.54e-04
2880	235	-7.07	-8.87	-0.96	0.0	-6.04e-04	4.43e-04
2881	28	0.06	-0.53	-1.77	0.0	9.17e-05	-1.68e-06
2881	45	0.02	-0.89	-0.62	0.0	3.54e-05	0.0
2881	52	0.06	0.01	-1.75	0.0	9.27e-05	-1.60e-06

2881	80	0.04	-0.35	-1.23	0.0	6.50e-05	0.0
2881	85	0.02	-0.59	-0.66	0.0	3.81e-05	0.0
2881	92	0.04	9.45e-03	-1.22	0.0	6.56e-05	0.0
2881	98	0.04	8.32e-03	-1.00	0.0	5.51e-05	0.0
2881	103	0.03	0.12	-0.95	0.0	5.28e-05	0.0
2881	107	0.03	8.12e-03	-0.95	0.0	5.28e-05	0.0
2881	112	7.43	2.82	-0.84	0.0	1.11e-03	-4.46e-04
2881	136	4.22	5.27	-0.72	0.0	6.57e-04	-2.78e-04
2881	139	-4.16	-5.25	-1.18	0.0	-5.52e-04	2.78e-04
2881	144	8.38	3.18	-0.83	0.0	1.25e-03	-5.02e-04
2881	168	4.77	5.93	-0.70	0.0	7.35e-04	-3.14e-04
2881	171	-4.70	-5.91	-1.20	0.0	-6.30e-04	3.14e-04
2881	176	8.43	3.15	-0.83	0.0	1.25e-03	-5.00e-04
2881	200	4.90	5.88	-0.70	0.0	7.46e-04	-3.20e-04
2881	203	-4.83	-5.86	-1.20	0.0	-6.41e-04	3.20e-04
2881	208	9.94	3.68	-0.82	0.0	1.46e-03	-5.88e-04
2881	232	5.86	6.87	-0.66	0.0	8.78e-04	-3.84e-04
2881	235	-5.79	-6.85	-1.24	0.0	-7.73e-04	3.83e-04
2882	18	3.93e-03	0.82	-1.38	4.49e-04	8.42e-05	-5.81e-06
2882	28	0.01	-0.46	-1.67	5.51e-04	9.40e-05	-7.48e-06
2882	52	0.01	0.03	-1.65	5.41e-04	9.49e-05	-7.64e-06
2882	75	2.57e-03	0.55	-0.97	3.17e-04	6.01e-05	-4.18e-06
2882	80	7.37e-03	-0.31	-1.17	3.85e-04	6.67e-05	-5.29e-06
2882	92	8.77e-03	0.02	-1.15	3.78e-04	6.73e-05	-5.39e-06
2882	98	6.63e-03	0.02	-0.95	3.12e-04	5.66e-05	-4.54e-06
2882	103	5.13e-03	0.12	-0.89	2.94e-04	5.43e-05	-4.22e-06
2882	107	5.97e-03	0.02	-0.90	2.96e-04	5.43e-05	-4.34e-06
2882	112	6.85	2.60	-0.78	2.89e-04	1.14e-03	-4.30e-04
2882	136	3.88	4.77	-0.66	2.15e-04	6.72e-04	-2.65e-04
2882	139	-3.87	-4.74	-1.14	3.77e-04	-5.63e-04	2.56e-04
2882	144	7.72	2.92	-0.77	2.88e-04	1.27e-03	-4.84e-04
2882	168	4.39	5.37	-0.62	2.05e-04	7.51e-04	-2.99e-04
2882	171	-4.37	-5.34	-1.17	3.87e-04	-6.43e-04	2.90e-04
2882	176	7.77	2.90	-0.77	2.87e-04	1.28e-03	-4.84e-04
2882	200	4.51	5.33	-0.63	2.06e-04	7.62e-04	-3.05e-04
2882	203	-4.49	-5.30	-1.17	3.86e-04	-6.54e-04	2.97e-04
2882	208	9.17	3.38	-0.75	2.85e-04	1.49e-03	-5.69e-04
2882	232	5.40	6.23	-0.58	1.91e-04	8.97e-04	-3.65e-04
2882	235	-5.38	-6.20	-1.21	4.01e-04	-7.89e-04	3.56e-04
2883	28	0.11	-0.60	-1.83	0.0	8.94e-05	2.75e-06
2883	44	0.09	-0.99	-1.60	0.0	7.88e-05	3.00e-06
2883	52	0.11	-0.01	-1.81	0.0	9.01e-05	3.00e-06
2883	80	0.08	-0.40	-1.28	0.0	6.32e-05	2.31e-06
2883	88	0.07	-0.66	-1.12	0.0	5.62e-05	2.47e-06
2883	92	0.08	-6.97e-03	-1.26	0.0	6.37e-05	2.48e-06
2883	98	0.06	-5.05e-03	-1.04	0.0	5.34e-05	2.70e-06
2883	105	0.06	-0.14	-0.99	0.0	5.10e-05	2.73e-06
2883	107	0.06	-4.56e-03	-0.98	0.0	5.11e-05	2.79e-06
2883	112	8.00	3.05	-0.96	0.0	1.06e-03	-4.64e-04
2883	139	-4.43	-5.77	-1.20	0.0	-5.19e-04	2.99e-04
2883	144	9.01	3.43	-0.96	0.0	1.18e-03	-5.23e-04
2883	171	-5.02	-6.49	-1.22	0.0	-5.93e-04	3.37e-04
2883	176	9.07	3.40	-0.96	0.0	1.19e-03	-5.20e-04
2883	203	-5.15	-6.44	-1.22	0.0	-6.03e-04	3.43e-04
2883	208	10.69	3.97	-0.95	0.0	1.39e-03	-6.11e-04
2883	235	-6.18	-7.52	-1.26	0.0	-7.27e-04	4.10e-04
2884	28	0.15	-0.68	-1.88	0.0	8.66e-05	5.39e-06
2884	44	0.13	-1.09	-1.64	0.0	7.64e-05	5.43e-06
2884	52	0.16	-0.04	-1.86	0.0	8.70e-05	5.72e-06
2884	80	0.11	-0.45	-1.31	0.0	6.12e-05	4.26e-06
2884	88	0.09	-0.73	-1.15	0.0	5.44e-05	4.29e-06
2884	92	0.11	-0.03	-1.30	0.0	6.14e-05	4.49e-06
2884	98	0.09	-0.02	-1.07	0.0	5.13e-05	4.54e-06
2884	105	0.09	-0.16	-1.02	0.0	4.90e-05	4.52e-06
2884	107	0.09	-0.02	-1.01	0.0	4.91e-05	4.60e-06
2884	112	8.53	3.27	-0.99	0.0	9.79e-04	-4.83e-04
2884	139	-4.69	-6.29	-1.21	0.0	-4.74e-04	3.17e-04
2884	144	9.60	3.68	-0.99	0.0	1.10e-03	-5.45e-04
2884	171	-5.31	-7.08	-1.24	0.0	-5.41e-04	3.57e-04
2884	176	9.67	3.64	-0.99	0.0	1.10e-03	-5.41e-04
2884	203	-5.45	-7.02	-1.24	0.0	-5.50e-04	3.63e-04
2884	208	11.38	4.26	-0.98	0.0	1.28e-03	-6.35e-04
2884	235	-6.54	-8.19	-1.27	0.0	-6.65e-04	4.32e-04
2885	28	0.20	-0.76	-1.92	0.0	8.37e-05	5.93e-06
2885	44	0.17	-1.20	-1.68	0.0	7.40e-05	5.94e-06

2885	52	0.20	-0.08	-1.90	0.0	8.36e-05	6.24e-06
2885	80	0.14	-0.51	-1.34	0.0	5.90e-05	4.65e-06
2885	88	0.12	-0.80	-1.18	0.0	5.25e-05	4.65e-06
2885	92	0.14	-0.06	-1.33	0.0	5.89e-05	4.85e-06
2885	98	0.12	-0.05	-1.09	0.0	4.91e-05	4.87e-06
2885	105	0.11	-0.19	-1.04	0.0	4.69e-05	4.84e-06
2885	107	0.11	-0.04	-1.04	0.0	4.69e-05	4.91e-06
2885	112	9.01	3.48	-1.01	0.0	8.96e-04	-5.03e-04
2885	139	-4.92	-6.82	-1.23	0.0	-4.24e-04	3.31e-04
2885	144	10.15	3.92	-1.01	0.0	1.00e-03	-5.67e-04
2885	171	-5.58	-7.67	-1.26	0.0	-4.85e-04	3.74e-04
2885	176	10.21	3.88	-1.01	0.0	1.00e-03	-5.62e-04
2885	203	-5.72	-7.60	-1.25	0.0	-4.93e-04	3.78e-04
2885	208	12.02	4.54	-1.00	0.0	1.17e-03	-6.59e-04
2885	235	-6.87	-8.87	-1.29	0.0	-5.97e-04	4.51e-04
2886	28	0.06	-0.52	-2.37	0.0	9.72e-05	0.0
2886	45	0.02	-0.89	-0.84	0.0	3.86e-05	2.20e-06
2886	52	0.06	0.02	-2.35	0.0	9.84e-05	0.0
2886	75	0.03	0.59	-1.40	0.0	6.28e-05	1.95e-06
2886	80	0.04	-0.35	-1.66	0.0	6.91e-05	0.0
2886	92	0.04	0.01	-1.64	0.0	6.99e-05	0.0
2886	98	0.04	0.01	-1.35	0.0	5.90e-05	1.26e-06
2886	103	0.03	0.13	-1.28	0.0	5.67e-05	1.51e-06
2886	107	0.03	9.86e-03	-1.28	0.0	5.67e-05	1.38e-06
2886	112	7.22	2.82	-1.26	0.0	1.12e-03	-4.45e-04
2886	133	-0.28	-4.42	-1.51	0.0	-1.56e-05	3.12e-05
2886	136	4.10	5.27	-1.07	0.0	6.61e-04	-2.77e-04
2886	144	8.13	3.18	-1.25	0.0	1.25e-03	-5.02e-04
2886	165	-0.33	-4.98	-1.54	0.0	-2.50e-05	3.56e-05
2886	168	4.63	5.93	-1.05	0.0	7.39e-04	-3.14e-04
2886	176	8.18	3.15	-1.25	0.0	1.25e-03	-5.00e-04
2886	197	-0.36	-4.92	-1.54	0.0	-2.59e-05	3.82e-05
2886	200	4.75	5.88	-1.05	0.0	7.48e-04	-3.20e-04
2886	208	9.65	3.68	-1.24	0.0	1.46e-03	-5.88e-04
2886	229	-0.45	-5.73	-1.58	0.0	-4.07e-05	4.75e-05
2886	232	5.67	6.87	-1.01	0.0	8.78e-04	-3.83e-04
2887	18	8.63e-04	0.82	-2.00	3.67e-04	9.30e-05	-5.52e-06
2887	28	7.17e-03	-0.46	-2.39	4.40e-04	1.03e-04	-7.11e-06
2887	52	9.17e-03	0.03	-2.36	4.33e-04	1.04e-04	-7.29e-06
2887	75	3.71e-04	0.55	-1.40	2.59e-04	6.67e-05	-3.97e-06
2887	80	4.58e-03	-0.31	-1.67	3.08e-04	7.37e-05	-5.03e-06
2887	92	5.91e-03	0.02	-1.65	3.04e-04	7.41e-05	-5.14e-06
2887	98	4.22e-03	0.02	-1.36	2.52e-04	6.29e-05	-4.33e-06
2887	103	2.89e-03	0.12	-1.28	2.38e-04	6.05e-05	-4.01e-06
2887	107	3.67e-03	0.02	-1.29	2.40e-04	6.05e-05	-4.14e-06
2887	112	6.63	2.60	-1.26	2.50e-04	1.14e-03	-4.31e-04
2887	133	-0.28	-3.98	-1.52	2.87e-04	-1.19e-05	2.04e-05
2887	136	3.75	4.78	-1.08	2.04e-04	6.76e-04	-2.65e-04
2887	144	7.47	2.92	-1.26	2.51e-04	1.28e-03	-4.85e-04
2887	165	-0.32	-4.48	-1.55	2.93e-04	-2.13e-05	2.40e-05
2887	168	4.24	5.37	-1.05	2.00e-04	7.56e-04	-2.99e-04
2887	176	7.52	2.90	-1.25	2.51e-04	1.28e-03	-4.85e-04
2887	197	-0.35	-4.42	-1.54	2.91e-04	-2.23e-05	2.66e-05
2887	200	4.35	5.33	-1.05	2.01e-04	7.65e-04	-3.06e-04
2887	208	8.87	3.38	-1.25	2.52e-04	1.49e-03	-5.70e-04
2887	229	-0.43	-5.16	-1.59	2.99e-04	-3.73e-05	3.46e-05
2887	232	5.21	6.23	-1.02	1.95e-04	8.98e-04	-3.66e-04
2888	28	0.11	-0.60	-2.37	0.0	9.34e-05	6.75e-06
2888	44	0.09	-0.99	-2.07	0.0	8.25e-05	7.00e-06
2888	52	0.11	-8.64e-03	-2.35	0.0	9.43e-05	6.85e-06
2888	80	0.08	-0.40	-1.65	0.0	6.62e-05	5.29e-06
2888	88	0.07	-0.66	-1.45	0.0	5.89e-05	5.45e-06
2888	92	0.08	-5.66e-03	-1.64	0.0	6.68e-05	5.36e-06
2888	98	0.07	-3.94e-03	-1.35	0.0	5.62e-05	5.37e-06
2888	105	0.06	-0.13	-1.28	0.0	5.37e-05	5.42e-06
2888	107	0.06	-3.50e-03	-1.28	0.0	5.39e-05	5.44e-06
2888	112	7.78	3.05	-1.25	0.0	1.06e-03	-4.62e-04
2888	133	-0.29	-4.88	-1.51	0.0	-1.16e-05	4.07e-05
2888	139	-4.30	-5.77	-1.49	0.0	-5.14e-04	3.02e-04
2888	144	8.77	3.43	-1.25	0.0	1.18e-03	-5.21e-04
2888	165	-0.34	-5.49	-1.54	0.0	-2.01e-05	4.58e-05
2888	171	-4.87	-6.49	-1.51	0.0	-5.88e-04	3.41e-04
2888	176	8.82	3.40	-1.25	0.0	1.18e-03	-5.18e-04
2888	197	-0.36	-5.43	-1.53	0.0	-2.11e-05	4.85e-05
2888	203	-4.99	-6.44	-1.51	0.0	-5.96e-04	3.46e-04

2888	208	10.39	3.97	-1.24	0.0	1.38e-03	-6.09e-04
2888	229	-0.46	-6.33	-1.58	0.0	-3.47e-05	5.89e-05
2888	235	-5.99	-7.52	-1.55	0.0	-7.19e-04	4.13e-04
2889	28	0.16	-0.68	-2.37	0.0	8.84e-05	9.95e-06
2889	44	0.14	-1.09	-2.07	0.0	7.81e-05	1.00e-05
2889	52	0.16	-0.04	-2.35	0.0	8.87e-05	1.01e-05
2889	80	0.11	-0.45	-1.66	0.0	6.25e-05	7.68e-06
2889	88	0.10	-0.73	-1.46	0.0	5.56e-05	7.75e-06
2889	92	0.11	-0.03	-1.64	0.0	6.27e-05	7.79e-06
2889	98	0.10	-0.02	-1.35	0.0	5.25e-05	7.65e-06
2889	105	0.09	-0.16	-1.29	0.0	5.02e-05	7.66e-06
2889	107	0.09	-0.02	-1.28	0.0	5.03e-05	7.70e-06
2889	112	8.31	3.27	-1.26	0.0	9.75e-04	-4.79e-04
2889	133	-0.29	-5.35	-1.51	0.0	-5.91e-06	4.74e-05
2889	139	-4.55	-6.29	-1.49	0.0	-4.69e-04	3.20e-04
2889	144	9.36	3.68	-1.25	0.0	1.09e-03	-5.41e-04
2889	165	-0.34	-6.01	-1.54	0.0	-1.32e-05	5.30e-05
2889	171	-5.16	-7.08	-1.51	0.0	-5.36e-04	3.61e-04
2889	176	9.41	3.64	-1.25	0.0	1.09e-03	-5.36e-04
2889	197	-0.37	-5.95	-1.53	0.0	-1.44e-05	5.57e-05
2889	203	-5.29	-7.02	-1.51	0.0	-5.44e-04	3.65e-04
2889	208	11.08	4.26	-1.24	0.0	1.27e-03	-6.30e-04
2889	229	-0.47	-6.93	-1.57	0.0	-2.63e-05	6.71e-05
2889	235	-6.35	-8.19	-1.55	0.0	-6.56e-04	4.35e-04
2890	28	0.20	-0.76	-2.38	0.0	8.31e-05	1.00e-05
2890	44	0.18	-1.20	-2.08	0.0	7.34e-05	1.01e-05
2890	52	0.21	-0.08	-2.36	0.0	8.29e-05	1.01e-05
2890	80	0.14	-0.51	-1.66	0.0	5.85e-05	7.72e-06
2890	88	0.13	-0.80	-1.46	0.0	5.20e-05	7.78e-06
2890	92	0.15	-0.06	-1.65	0.0	5.84e-05	7.81e-06
2890	98	0.12	-0.05	-1.36	0.0	4.85e-05	7.70e-06
2890	105	0.12	-0.19	-1.29	0.0	4.64e-05	7.71e-06
2890	107	0.12	-0.04	-1.29	0.0	4.64e-05	7.74e-06
2890	112	8.79	3.48	-1.26	0.0	8.86e-04	-4.99e-04
2890	133	-0.29	-5.82	-1.51	0.0	0.0	5.06e-05
2890	139	-4.78	-6.82	-1.49	0.0	-4.20e-04	3.34e-04
2890	144	9.89	3.93	-1.26	0.0	9.93e-04	-5.63e-04
2890	165	-0.34	-6.54	-1.54	0.0	-6.04e-06	5.65e-05
2890	171	-5.42	-7.67	-1.52	0.0	-4.80e-04	3.76e-04
2890	176	9.95	3.88	-1.26	0.0	9.92e-04	-5.57e-04
2890	197	-0.37	-6.47	-1.54	0.0	-7.37e-06	5.92e-05
2890	203	-5.55	-7.60	-1.51	0.0	-4.87e-04	3.80e-04
2890	208	11.71	4.54	-1.25	0.0	1.16e-03	-6.54e-04
2890	229	-0.48	-7.53	-1.58	0.0	-1.75e-05	7.14e-05
2890	235	-6.67	-8.87	-1.55	0.0	-5.89e-04	4.53e-04
2891	18	0.05	0.89	-2.23	0.0	9.59e-05	4.03e-06
2891	28	0.06	-0.52	-2.66	0.0	1.05e-04	2.98e-06
2891	52	0.06	0.02	-2.63	0.0	1.07e-04	2.75e-06
2891	75	0.04	0.60	-1.57	0.0	6.88e-05	3.15e-06
2891	80	0.04	-0.34	-1.85	0.0	7.51e-05	2.45e-06
2891	92	0.04	0.01	-1.84	0.0	7.60e-05	2.30e-06
2891	98	0.04	0.01	-1.52	0.0	6.47e-05	2.50e-06
2891	103	0.04	0.13	-1.43	0.0	6.23e-05	2.71e-06
2891	107	0.04	0.01	-1.44	0.0	6.23e-05	2.60e-06
2891	112	7.00	2.83	-1.42	0.0	1.13e-03	-4.46e-04
2891	133	-0.28	-4.42	-1.68	0.0	-1.51e-05	3.21e-05
2891	136	3.97	5.27	-1.22	0.0	6.69e-04	-2.76e-04
2891	144	7.89	3.18	-1.42	0.0	1.26e-03	-5.02e-04
2891	165	-0.33	-4.97	-1.71	0.0	-2.50e-05	3.64e-05
2891	168	4.48	5.93	-1.19	0.0	7.47e-04	-3.13e-04
2891	176	7.94	3.15	-1.41	0.0	1.26e-03	-5.01e-04
2891	197	-0.35	-4.92	-1.71	0.0	-2.54e-05	3.90e-05
2891	200	4.60	5.88	-1.19	0.0	7.54e-04	-3.19e-04
2891	208	9.35	3.68	-1.41	0.0	1.47e-03	-5.89e-04
2891	229	-0.44	-5.73	-1.75	0.0	-4.06e-05	4.82e-05
2891	232	5.49	6.87	-1.15	0.0	8.83e-04	-3.82e-04
2892	18	-2.28e-03	0.82	-2.26	7.71e-05	1.02e-04	-5.64e-06
2892	20	-7.08e-03	0.81	-0.99	4.21e-05	5.55e-05	-2.36e-06
2892	28	3.13e-03	-0.46	-2.70	9.23e-05	1.13e-04	-7.25e-06
2892	73	-4.96e-03	0.55	-1.03	4.36e-05	5.59e-05	-2.71e-06
2892	75	-1.89e-03	0.55	-1.59	5.60e-05	7.32e-05	-4.05e-06
2892	80	1.72e-03	-0.31	-1.88	6.61e-05	8.06e-05	-5.13e-06
2892	98	1.76e-03	0.02	-1.54	5.56e-05	6.92e-05	-4.41e-06
2892	102	-2.03e-03	0.12	-0.97	4.25e-05	5.18e-05	-2.95e-06
2892	103	6.09e-04	0.12	-1.45	5.32e-05	6.67e-05	-4.10e-06

2892	107	1.32e-03	0.02	-1.46	5.38e-05	6.68e-05	-4.22e-06
2892	112	6.41	2.60	-1.44	7.70e-05	1.15e-03	-4.32e-04
2892	133	-0.28	-3.97	-1.71	4.30e-05	-8.87e-06	2.03e-05
2892	136	3.62	4.78	-1.24	7.47e-05	6.82e-04	-2.65e-04
2892	144	7.22	2.92	-1.44	7.99e-05	1.29e-03	-4.86e-04
2892	165	-0.32	-4.47	-1.74	4.18e-05	-1.86e-05	2.39e-05
2892	168	4.09	5.37	-1.21	7.71e-05	7.61e-04	-3.00e-04
2892	176	7.27	2.90	-1.43	7.94e-05	1.28e-03	-4.86e-04
2892	197	-0.34	-4.42	-1.73	4.34e-05	-1.92e-05	2.65e-05
2892	200	4.20	5.33	-1.21	7.57e-05	7.68e-04	-3.06e-04
2892	208	8.57	3.38	-1.43	8.38e-05	1.50e-03	-5.71e-04
2892	229	-0.42	-5.15	-1.78	4.18e-05	-3.43e-05	3.45e-05
2892	232	5.03	6.23	-1.17	7.95e-05	9.00e-04	-3.66e-04
2893	28	0.12	-0.59	-2.64	0.0	9.87e-05	1.07e-05
2893	44	0.10	-0.98	-2.31	0.0	8.76e-05	1.11e-05
2893	52	0.12	-6.02e-03	-2.61	0.0	9.97e-05	1.04e-05
2893	80	0.08	-0.40	-1.84	0.0	7.02e-05	8.21e-06
2893	88	0.07	-0.66	-1.62	0.0	6.28e-05	8.48e-06
2893	92	0.08	-3.82e-03	-1.82	0.0	7.08e-05	8.03e-06
2893	98	0.07	-2.40e-03	-1.50	0.0	6.00e-05	7.84e-06
2893	105	0.07	-0.13	-1.43	0.0	5.74e-05	7.95e-06
2893	107	0.07	-2.03e-03	-1.43	0.0	5.76e-05	7.89e-06
2893	112	7.57	3.05	-1.41	0.0	1.06e-03	-4.58e-04
2893	133	-0.28	-4.88	-1.67	0.0	-1.20e-05	4.28e-05
2893	139	-4.17	-5.76	-1.65	0.0	-5.12e-04	3.03e-04
2893	144	8.53	3.43	-1.41	0.0	1.19e-03	-5.18e-04
2893	165	-0.33	-5.49	-1.70	0.0	-2.09e-05	4.78e-05
2893	171	-4.72	-6.49	-1.67	0.0	-5.85e-04	3.42e-04
2893	176	8.58	3.40	-1.40	0.0	1.19e-03	-5.14e-04
2893	197	-0.36	-5.43	-1.70	0.0	-2.15e-05	5.04e-05
2893	203	-4.84	-6.43	-1.67	0.0	-5.92e-04	3.47e-04
2893	208	10.10	3.97	-1.40	0.0	1.39e-03	-6.04e-04
2893	229	-0.45	-6.32	-1.74	0.0	-3.54e-05	6.07e-05
2893	235	-5.80	-7.52	-1.71	0.0	-7.14e-04	4.13e-04
2894	28	0.17	-0.67	-2.63	0.0	9.01e-05	1.48e-05
2894	44	0.14	-1.09	-2.30	0.0	7.97e-05	1.52e-05
2894	52	0.17	-0.04	-2.60	0.0	9.05e-05	1.45e-05
2894	80	0.12	-0.45	-1.84	0.0	6.37e-05	1.13e-05
2894	88	0.10	-0.73	-1.62	0.0	5.68e-05	1.16e-05
2894	92	0.12	-0.03	-1.82	0.0	6.40e-05	1.11e-05
2894	98	0.10	-0.02	-1.50	0.0	5.37e-05	1.08e-05
2894	105	0.10	-0.16	-1.43	0.0	5.14e-05	1.09e-05
2894	107	0.10	-0.02	-1.42	0.0	5.15e-05	1.08e-05
2894	112	8.10	3.27	-1.40	0.0	9.74e-04	-4.71e-04
2894	133	-0.29	-5.35	-1.67	0.0	-7.66e-06	5.06e-05
2894	139	-4.42	-6.29	-1.64	0.0	-4.67e-04	3.20e-04
2894	144	9.12	3.68	-1.40	0.0	1.09e-03	-5.32e-04
2894	165	-0.34	-6.01	-1.70	0.0	-1.53e-05	5.62e-05
2894	171	-5.01	-7.08	-1.67	0.0	-5.34e-04	3.60e-04
2894	176	9.17	3.64	-1.40	0.0	1.09e-03	-5.26e-04
2894	197	-0.37	-5.95	-1.70	0.0	-1.61e-05	5.87e-05
2894	203	-5.13	-7.02	-1.67	0.0	-5.40e-04	3.64e-04
2894	208	10.79	4.26	-1.39	0.0	1.27e-03	-6.18e-04
2894	229	-0.46	-6.92	-1.74	0.0	-2.82e-05	7.00e-05
2894	235	-6.15	-8.19	-1.71	0.0	-6.51e-04	4.32e-04
2895	28	0.21	-0.76	-2.63	0.0	8.14e-05	1.40e-05
2895	44	0.18	-1.20	-2.31	0.0	7.18e-05	1.45e-05
2895	52	0.21	-0.08	-2.61	0.0	8.11e-05	1.37e-05
2895	80	0.15	-0.51	-1.84	0.0	5.72e-05	1.08e-05
2895	88	0.13	-0.80	-1.62	0.0	5.08e-05	1.11e-05
2895	92	0.15	-0.06	-1.82	0.0	5.71e-05	1.06e-05
2895	98	0.13	-0.05	-1.50	0.0	4.73e-05	1.04e-05
2895	105	0.12	-0.19	-1.43	0.0	4.52e-05	1.05e-05
2895	107	0.12	-0.04	-1.43	0.0	4.52e-05	1.05e-05
2895	112	8.58	3.48	-1.41	0.0	8.77e-04	-4.87e-04
2895	133	-0.29	-5.81	-1.67	0.0	-3.10e-06	5.38e-05
2895	139	-4.65	-6.81	-1.65	0.0	-4.18e-04	3.32e-04
2895	144	9.65	3.93	-1.40	0.0	9.83e-04	-5.50e-04
2895	165	-0.34	-6.54	-1.70	0.0	-9.39e-06	5.98e-05
2895	171	-5.27	-7.67	-1.67	0.0	-4.77e-04	3.73e-04
2895	176	9.70	3.88	-1.40	0.0	9.81e-04	-5.43e-04
2895	197	-0.37	-6.47	-1.70	0.0	-1.04e-05	6.23e-05
2895	203	-5.39	-7.60	-1.67	0.0	-4.83e-04	3.77e-04
2895	208	11.41	4.54	-1.40	0.0	1.14e-03	-6.37e-04
2895	229	-0.48	-7.52	-1.74	0.0	-2.06e-05	7.43e-05

2895	235	-6.47	-8.87	-1.71	0.0	-5.83e-04	4.47e-04
2896	18	0.05	0.90	-2.20	0.0	1.06e-04	3.86e-06
2896	28	0.06	-0.51	-2.62	0.0	1.16e-04	3.46e-06
2896	52	0.07	0.03	-2.59	0.0	1.17e-04	2.85e-06
2896	75	0.04	0.60	-1.55	0.0	7.61e-05	3.03e-06
2896	80	0.04	-0.34	-1.83	0.0	8.28e-05	2.77e-06
2896	92	0.05	0.02	-1.81	0.0	8.36e-05	2.37e-06
2896	98	0.04	0.02	-1.50	0.0	7.18e-05	2.55e-06
2896	103	0.04	0.13	-1.42	0.0	6.93e-05	2.72e-06
2896	107	0.04	0.02	-1.42	0.0	6.93e-05	2.65e-06
2896	112	6.79	2.83	-1.42	0.0	1.14e-03	-4.48e-04
2896	133	-0.28	-4.42	-1.67	0.0	-1.29e-05	3.10e-05
2896	136	3.85	5.27	-1.21	0.0	6.80e-04	-2.76e-04
2896	144	7.65	3.18	-1.41	0.0	1.28e-03	-5.05e-04
2896	165	-0.32	-4.97	-1.71	0.0	-2.33e-05	3.51e-05
2896	168	4.34	5.93	-1.18	0.0	7.58e-04	-3.12e-04
2896	176	7.69	3.15	-1.41	0.0	1.27e-03	-5.04e-04
2896	197	-0.35	-4.91	-1.70	0.0	-2.32e-05	3.76e-05
2896	200	4.45	5.88	-1.18	0.0	7.63e-04	-3.18e-04
2896	208	9.06	3.68	-1.41	0.0	1.48e-03	-5.93e-04
2896	229	-0.43	-5.73	-1.74	0.0	-3.89e-05	4.64e-05
2896	232	5.31	6.87	-1.14	0.0	8.92e-04	-3.82e-04
2897	16	-8.96e-03	0.82	-1.40	-1.59e-04	8.36e-05	-3.99e-06
2897	18	-5.48e-03	0.82	-2.21	-2.68e-04	1.11e-04	-6.08e-06
2897	28	-9.82e-04	-0.46	-2.63	-3.17e-04	1.22e-04	-7.76e-06
2897	73	-6.51e-03	0.55	-1.02	-1.14e-04	6.18e-05	-2.98e-06
2897	75	-4.19e-03	0.55	-1.56	-1.87e-04	7.97e-05	-4.38e-06
2897	80	-1.19e-03	-0.30	-1.84	-2.20e-04	8.76e-05	-5.50e-06
2897	98	-7.44e-04	0.02	-1.50	-1.78e-04	7.55e-05	-4.73e-06
2897	102	-3.70e-03	0.12	-0.96	-1.05e-04	5.75e-05	-3.21e-06
2897	103	-1.72e-03	0.12	-1.42	-1.68e-04	7.29e-05	-4.40e-06
2897	106	-3.06e-03	0.01	-0.97	-1.06e-04	5.76e-05	-3.33e-06
2897	107	-1.08e-03	0.02	-1.43	-1.68e-04	7.30e-05	-4.53e-06
2897	115	-6.19	-2.56	-1.44	-1.86e-04	-1.01e-03	4.23e-04
2897	133	-0.28	-3.97	-1.68	-1.92e-04	-6.15e-06	2.00e-05
2897	136	3.49	4.77	-1.21	-1.38e-04	6.88e-04	-2.66e-04
2897	147	-6.98	-2.89	-1.44	-1.88e-04	-1.15e-03	4.78e-04
2897	165	-0.32	-4.47	-1.71	-1.95e-04	-1.62e-05	2.36e-05
2897	168	3.95	5.37	-1.18	-1.34e-04	7.67e-04	-3.00e-04
2897	179	-7.02	-2.86	-1.44	-1.88e-04	-1.14e-03	4.78e-04
2897	197	-0.34	-4.42	-1.70	-1.94e-04	-1.63e-05	2.62e-05
2897	200	4.05	5.33	-1.18	-1.35e-04	7.72e-04	-3.07e-04
2897	211	-8.28	-3.35	-1.44	-1.92e-04	-1.36e-03	5.63e-04
2897	229	-0.42	-5.15	-1.75	-1.99e-04	-3.17e-05	3.42e-05
2897	232	4.85	6.22	-1.14	-1.29e-04	9.02e-04	-3.67e-04
2898	28	0.12	-0.59	-2.62	0.0	1.06e-04	1.26e-05
2898	48	0.09	-0.98	-1.88	0.0	7.55e-05	1.07e-05
2898	52	0.13	-3.20e-03	-2.59	0.0	1.06e-04	1.16e-05
2898	80	0.09	-0.39	-1.83	0.0	7.54e-05	9.55e-06
2898	88	0.08	-0.65	-1.62	0.0	6.79e-05	1.01e-05
2898	92	0.09	-1.83e-03	-1.81	0.0	7.59e-05	8.90e-06
2898	98	0.08	-7.36e-04	-1.50	0.0	6.48e-05	8.65e-06
2898	105	0.07	-0.13	-1.43	0.0	6.23e-05	8.91e-06
2898	106	0.06	1.32e-03	-0.97	0.0	4.83e-05	9.01e-06
2898	107	0.07	-4.42e-04	-1.42	0.0	6.24e-05	8.70e-06
2898	112	7.37	3.05	-1.41	0.0	1.08e-03	-4.56e-04
2898	133	-0.28	-4.88	-1.67	0.0	-1.18e-05	4.17e-05
2898	139	-4.04	-5.76	-1.64	0.0	-5.14e-04	3.01e-04
2898	144	8.29	3.44	-1.41	0.0	1.21e-03	-5.15e-04
2898	165	-0.33	-5.49	-1.70	0.0	-2.12e-05	4.63e-05
2898	171	-4.58	-6.49	-1.67	0.0	-5.88e-04	3.39e-04
2898	176	8.34	3.40	-1.41	0.0	1.21e-03	-5.12e-04
2898	197	-0.35	-5.43	-1.70	0.0	-2.13e-05	4.87e-05
2898	203	-4.68	-6.43	-1.67	0.0	-5.93e-04	3.43e-04
2898	208	9.81	3.97	-1.41	0.0	1.40e-03	-6.02e-04
2898	229	-0.44	-6.32	-1.74	0.0	-3.57e-05	5.85e-05
2898	235	-5.61	-7.51	-1.71	0.0	-7.15e-04	4.09e-04
2899	28	0.18	-0.67	-2.62	0.0	9.17e-05	1.83e-05
2899	44	0.15	-1.09	-2.30	0.0	8.14e-05	1.94e-05
2899	52	0.18	-0.04	-2.59	0.0	9.20e-05	1.72e-05
2899	80	0.12	-0.45	-1.83	0.0	6.50e-05	1.40e-05
2899	88	0.11	-0.73	-1.62	0.0	5.81e-05	1.47e-05
2899	92	0.13	-0.03	-1.81	0.0	6.52e-05	1.32e-05
2899	98	0.11	-0.02	-1.50	0.0	5.50e-05	1.28e-05
2899	105	0.10	-0.16	-1.43	0.0	5.27e-05	1.32e-05

2899	107	0.10	-0.02	-1.42	0.0	5.28e-05	1.29e-05
2899	112	7.90	3.27	-1.42	0.0	9.84e-04	-4.58e-04
2899	133	-0.28	-5.34	-1.68	0.0	-1.00e-05	5.15e-05
2899	139	-4.29	-6.29	-1.65	0.0	-4.71e-04	3.14e-04
2899	144	8.89	3.68	-1.41	0.0	1.10e-03	-5.17e-04
2899	165	-0.34	-6.01	-1.71	0.0	-1.81e-05	5.69e-05
2899	171	-4.87	-7.07	-1.67	0.0	-5.38e-04	3.52e-04
2899	176	8.94	3.64	-1.41	0.0	1.10e-03	-5.11e-04
2899	197	-0.36	-5.95	-1.70	0.0	-1.85e-05	5.90e-05
2899	203	-4.98	-7.01	-1.67	0.0	-5.43e-04	3.56e-04
2899	208	10.52	4.26	-1.41	0.0	1.28e-03	-6.00e-04
2899	229	-0.46	-6.92	-1.75	0.0	-3.09e-05	6.98e-05
2899	235	-5.97	-8.19	-1.71	0.0	-6.54e-04	4.22e-04
2900	28	0.22	-0.76	-2.64	0.0	7.78e-05	1.72e-05
2900	44	0.19	-1.20	-2.32	0.0	6.83e-05	1.87e-05
2900	52	0.22	-0.08	-2.60	0.0	7.76e-05	1.60e-05
2900	80	0.16	-0.51	-1.84	0.0	5.46e-05	1.33e-05
2900	88	0.14	-0.80	-1.63	0.0	4.82e-05	1.43e-05
2900	92	0.16	-0.06	-1.82	0.0	5.44e-05	1.25e-05
2900	98	0.13	-0.04	-1.51	0.0	4.49e-05	1.25e-05
2900	105	0.13	-0.19	-1.44	0.0	4.28e-05	1.29e-05
2900	107	0.13	-0.04	-1.43	0.0	4.28e-05	1.26e-05
2900	112	8.38	3.48	-1.42	0.0	8.71e-04	-4.69e-04
2900	133	-0.29	-5.81	-1.69	0.0	-8.00e-06	5.61e-05
2900	139	-4.52	-6.81	-1.66	0.0	-4.19e-04	3.24e-04
2900	144	9.43	3.93	-1.42	0.0	9.76e-04	-5.30e-04
2900	165	-0.34	-6.54	-1.72	0.0	-1.45e-05	6.20e-05
2900	171	-5.13	-7.67	-1.68	0.0	-4.78e-04	3.64e-04
2900	176	9.48	3.88	-1.42	0.0	9.74e-04	-5.21e-04
2900	197	-0.37	-6.47	-1.71	0.0	-1.52e-05	6.40e-05
2900	203	-5.24	-7.60	-1.68	0.0	-4.83e-04	3.66e-04
2900	208	11.14	4.54	-1.41	0.0	1.14e-03	-6.11e-04
2900	229	-0.47	-7.52	-1.76	0.0	-2.56e-05	7.57e-05
2900	235	-6.29	-8.87	-1.72	0.0	-5.81e-04	4.33e-04
2901	18	0.06	0.90	-1.86	0.0	1.16e-04	0.0
2901	28	0.07	-0.51	-2.22	0.0	1.27e-04	0.0
2901	52	0.07	0.03	-2.19	0.0	1.28e-04	0.0
2901	75	0.04	0.60	-1.32	0.0	8.36e-05	0.0
2901	80	0.05	-0.34	-1.55	0.0	9.14e-05	0.0
2901	92	0.05	0.02	-1.54	0.0	9.17e-05	0.0
2901	98	0.04	0.02	-1.27	0.0	7.92e-05	0.0
2901	103	0.04	0.13	-1.20	0.0	7.66e-05	0.0
2901	107	0.04	0.02	-1.21	0.0	7.66e-05	0.0
2901	112	6.57	2.83	-1.22	1.80e-06	1.16e-03	-4.47e-04
2901	133	-0.28	-4.41	-1.42	0.0	-7.42e-06	2.67e-05
2901	136	3.72	5.27	-1.04	1.46e-06	6.89e-04	-2.74e-04
2901	144	7.40	3.19	-1.22	2.03e-06	1.29e-03	-5.04e-04
2901	165	-0.32	-4.97	-1.44	0.0	-1.80e-05	3.05e-05
2901	168	4.20	5.93	-1.01	1.64e-06	7.68e-04	-3.09e-04
2901	176	7.44	3.16	-1.22	2.00e-06	1.29e-03	-5.03e-04
2901	197	-0.34	-4.91	-1.44	0.0	-1.76e-05	3.27e-05
2901	200	4.30	5.89	-1.02	1.68e-06	7.71e-04	-3.15e-04
2901	208	8.76	3.69	-1.22	2.34e-06	1.50e-03	-5.91e-04
2901	229	-0.42	-5.72	-1.47	0.0	-3.33e-05	4.08e-05
2901	232	5.13	6.87	-0.99	2.01e-06	8.99e-04	-3.77e-04
2902	28	0.13	-0.59	-2.30	0.0	1.14e-04	8.55e-06
2902	48	0.09	-0.98	-1.66	0.0	8.24e-05	8.77e-06
2902	52	0.13	-7.22e-04	-2.27	0.0	1.15e-04	6.45e-06
2902	80	0.09	-0.39	-1.61	0.0	8.18e-05	6.57e-06
2902	88	0.08	-0.65	-1.43	0.0	7.45e-05	7.91e-06
2902	92	0.10	-7.97e-05	-1.59	0.0	8.21e-05	5.17e-06
2902	98	0.08	7.25e-04	-1.32	0.0	7.07e-05	5.33e-06
2902	105	0.08	-0.13	-1.26	0.0	6.82e-05	5.93e-06
2902	106	0.06	2.32e-03	-0.87	0.0	5.41e-05	6.28e-06
2902	107	0.08	9.53e-04	-1.25	0.0	6.83e-05	5.47e-06
2902	112	7.16	3.05	-1.25	0.0	1.11e-03	-4.54e-04
2902	133	-0.28	-4.88	-1.49	0.0	-1.08e-05	3.55e-05
2902	136	4.07	5.76	-1.05	0.0	6.60e-04	-2.79e-04
2902	144	8.06	3.44	-1.25	0.0	1.25e-03	-5.12e-04
2902	165	-0.32	-5.49	-1.52	0.0	-2.08e-05	3.97e-05
2902	168	4.59	6.49	-1.03	0.0	7.35e-04	-3.16e-04
2902	176	8.10	3.40	-1.25	0.0	1.24e-03	-5.08e-04
2902	197	-0.34	-5.43	-1.51	0.0	-2.05e-05	4.16e-05
2902	200	4.69	6.43	-1.03	0.0	7.39e-04	-3.21e-04
2902	208	9.53	3.97	-1.25	0.0	1.44e-03	-5.98e-04

2902	229	-0.43	-6.32	-1.55	0.0	-3.55e-05	5.03e-05
2902	232	5.58	7.51	-1.00	0.0	8.62e-04	-3.84e-04
2903	28	0.19	-0.67	-2.37	0.0	9.43e-05	1.69e-05
2903	44	0.17	-1.09	-2.09	0.0	8.44e-05	1.93e-05
2903	52	0.19	-0.04	-2.33	0.0	9.45e-05	1.43e-05
2903	80	0.13	-0.45	-1.66	0.0	6.71e-05	1.29e-05
2903	88	0.12	-0.73	-1.48	0.0	6.05e-05	1.45e-05
2903	92	0.14	-0.03	-1.64	0.0	6.73e-05	1.12e-05
2903	98	0.12	-0.02	-1.36	0.0	5.72e-05	1.11e-05
2903	105	0.11	-0.16	-1.30	0.0	5.50e-05	1.18e-05
2903	107	0.11	-0.02	-1.29	0.0	5.51e-05	1.12e-05
2903	112	7.72	3.27	-1.29	0.0	1.01e-03	-4.49e-04
2903	133	-0.28	-5.34	-1.55	0.0	-1.38e-05	4.59e-05
2903	139	-4.17	-6.29	-1.51	0.0	-4.85e-04	3.02e-04
2903	144	8.69	3.68	-1.29	0.0	1.14e-03	-5.08e-04
2903	165	-0.33	-6.01	-1.58	0.0	-2.25e-05	5.07e-05
2903	171	-4.73	-7.07	-1.54	0.0	-5.54e-04	3.39e-04
2903	176	8.73	3.65	-1.28	0.0	1.13e-03	-5.01e-04
2903	197	-0.35	-5.95	-1.57	0.0	-2.24e-05	5.22e-05
2903	203	-4.83	-7.01	-1.54	0.0	-5.57e-04	3.42e-04
2903	208	10.26	4.26	-1.28	0.0	1.32e-03	-5.89e-04
2903	229	-0.45	-6.92	-1.62	0.0	-3.56e-05	6.18e-05
2903	235	-5.79	-8.19	-1.58	0.0	-6.70e-04	4.05e-04
2904	28	0.23	-0.76	-2.43	0.0	7.16e-05	1.78e-05
2904	44	0.21	-1.20	-2.15	0.0	6.22e-05	2.11e-05
2904	52	0.23	-0.08	-2.39	0.0	7.15e-05	1.50e-05
2904	80	0.16	-0.51	-1.70	0.0	5.00e-05	1.39e-05
2904	88	0.15	-0.80	-1.52	0.0	4.37e-05	1.61e-05
2904	92	0.17	-0.05	-1.68	0.0	4.99e-05	1.20e-05
2904	98	0.14	-0.04	-1.39	0.0	4.09e-05	1.26e-05
2904	105	0.14	-0.19	-1.33	0.0	3.88e-05	1.35e-05
2904	107	0.14	-0.04	-1.32	0.0	3.88e-05	1.29e-05
2904	112	8.21	3.48	-1.32	0.0	8.68e-04	-4.42e-04
2904	133	-0.28	-5.81	-1.60	0.0	-1.63e-05	5.67e-05
2904	139	-4.41	-6.81	-1.56	0.0	-4.25e-04	3.08e-04
2904	144	9.24	3.93	-1.32	0.0	9.73e-04	-4.99e-04
2904	165	-0.34	-6.54	-1.63	0.0	-2.33e-05	6.25e-05
2904	171	-5.00	-7.67	-1.59	0.0	-4.84e-04	3.46e-04
2904	176	9.27	3.88	-1.32	0.0	9.69e-04	-4.88e-04
2904	197	-0.36	-6.47	-1.63	0.0	-2.35e-05	6.38e-05
2904	203	-5.10	-7.60	-1.59	0.0	-4.88e-04	3.45e-04
2904	208	10.90	4.54	-1.31	0.0	1.13e-03	-5.70e-04
2904	229	-0.46	-7.52	-1.68	0.0	-3.44e-05	7.51e-05
2904	235	-6.12	-8.87	-1.63	0.0	-5.85e-04	4.08e-04
2905	28	0.24	-0.84	-1.57	0.0	8.26e-05	1.76e-06
2905	44	0.21	-1.30	-1.37	0.0	7.31e-05	1.88e-06
2905	52	0.24	-0.13	-1.56	0.0	8.24e-05	1.95e-06
2905	80	0.17	-0.57	-1.10	0.0	5.82e-05	1.49e-06
2905	88	0.15	-0.87	-0.96	0.0	5.19e-05	1.57e-06
2905	92	0.17	-0.09	-1.09	0.0	5.80e-05	1.62e-06
2905	98	0.14	-0.07	-0.89	0.0	4.83e-05	1.81e-06
2905	105	0.13	-0.23	-0.85	0.0	4.62e-05	1.82e-06
2905	107	0.13	-0.07	-0.85	0.0	4.62e-05	1.86e-06
2905	112	9.67	3.68	-0.83	0.0	8.36e-04	-5.17e-04
2905	139	-5.25	-7.32	-0.96	0.0	-3.86e-04	3.35e-04
2905	144	10.88	4.15	-0.83	0.0	9.37e-04	-5.83e-04
2905	171	-5.96	-8.23	-0.98	0.0	-4.42e-04	3.78e-04
2905	176	10.95	4.11	-0.83	0.0	9.37e-04	-5.77e-04
2905	203	-6.12	-8.16	-0.98	0.0	-4.50e-04	3.83e-04
2905	208	12.89	4.80	-0.83	0.0	1.09e-03	-6.76e-04
2905	235	-7.35	-9.51	-1.00	0.0	-5.45e-04	4.57e-04
2906	28	0.28	-0.93	-1.66	0.0	8.17e-05	0.0
2906	44	0.24	-1.40	-1.44	0.0	7.25e-05	0.0
2906	52	0.28	-0.18	-1.65	0.0	8.13e-05	0.0
2906	80	0.20	-0.62	-1.16	0.0	5.76e-05	0.0
2906	88	0.17	-0.94	-1.01	0.0	5.14e-05	0.0
2906	92	0.20	-0.12	-1.15	0.0	5.73e-05	0.0
2906	98	0.16	-0.10	-0.94	0.0	4.77e-05	0.0
2906	105	0.16	-0.26	-0.90	0.0	4.56e-05	0.0
2906	107	0.16	-0.10	-0.89	0.0	4.55e-05	0.0
2906	112	10.06	3.87	-0.88	0.0	7.85e-04	-5.37e-04
2906	139	-5.43	-7.81	-1.01	0.0	-3.54e-04	3.44e-04
2906	144	11.32	4.37	-0.88	0.0	8.79e-04	-6.05e-04
2906	171	-6.16	-8.78	-1.02	0.0	-4.06e-04	3.89e-04
2906	176	11.39	4.32	-0.88	0.0	8.79e-04	-5.99e-04

2906	203	-6.33	-8.70	-1.02	0.0	-4.13e-04	3.93e-04
2906	208	13.41	5.05	-0.88	0.0	1.03e-03	-7.02e-04
2906	235	-7.60	-10.14	-1.04	0.0	-5.01e-04	4.69e-04
2907	28	0.32	-1.01	-1.81	0.0	9.39e-05	-1.52e-06
2907	44	0.28	-1.50	-1.58	0.0	7.64e-05	0.0
2907	52	0.32	-0.23	-1.80	0.0	1.04e-04	-2.96e-06
2907	80	0.22	-0.68	-1.27	0.0	6.72e-05	-1.09e-06
2907	88	0.20	-1.01	-1.11	0.0	5.55e-05	0.0
2907	92	0.23	-0.16	-1.26	0.0	7.38e-05	-2.05e-06
2907	98	0.19	-0.13	-1.03	0.0	6.26e-05	-1.57e-06
2907	105	0.18	-0.30	-0.98	0.0	5.80e-05	-1.17e-06
2907	107	0.18	-0.12	-0.98	0.0	6.02e-05	-1.49e-06
2907	112	10.43	4.04	-0.97	0.0	7.07e-04	-5.59e-04
2907	139	-5.59	-8.27	-1.09	0.0	-3.11e-04	3.53e-04
2907	144	11.73	4.57	-0.96	0.0	7.89e-04	-6.30e-04
2907	171	-6.35	-9.29	-1.11	0.0	-3.59e-04	3.99e-04
2907	176	11.81	4.51	-0.96	0.0	7.89e-04	-6.24e-04
2907	203	-6.52	-9.21	-1.11	0.0	-3.65e-04	4.04e-04
2907	208	13.89	5.28	-0.96	0.0	9.18e-04	-7.30e-04
2907	235	-7.84	-10.73	-1.13	0.0	-4.47e-04	4.82e-04
2908	28	0.24	-0.84	-1.97	0.0	8.10e-05	4.63e-06
2908	44	0.21	-1.30	-1.72	0.0	7.17e-05	4.74e-06
2908	52	0.24	-0.13	-1.95	0.0	8.06e-05	4.79e-06
2908	80	0.17	-0.57	-1.37	0.0	5.70e-05	3.65e-06
2908	88	0.15	-0.87	-1.21	0.0	5.08e-05	3.72e-06
2908	92	0.17	-0.09	-1.36	0.0	5.67e-05	3.76e-06
2908	98	0.14	-0.07	-1.12	0.0	4.71e-05	3.84e-06
2908	105	0.14	-0.23	-1.07	0.0	4.50e-05	3.85e-06
2908	107	0.14	-0.07	-1.06	0.0	4.49e-05	3.89e-06
2908	112	9.43	3.68	-1.04	0.0	8.24e-04	-5.21e-04
2908	139	-5.11	-7.32	-1.25	0.0	-3.82e-04	3.41e-04
2908	144	10.61	4.15	-1.04	0.0	9.22e-04	-5.88e-04
2908	171	-5.80	-8.23	-1.28	0.0	-4.37e-04	3.85e-04
2908	176	10.68	4.11	-1.04	0.0	9.22e-04	-5.82e-04
2908	203	-5.95	-8.16	-1.27	0.0	-4.44e-04	3.90e-04
2908	208	12.57	4.80	-1.03	0.0	1.08e-03	-6.83e-04
2908	235	-7.14	-9.52	-1.31	0.0	-5.37e-04	4.65e-04
2909	28	0.28	-0.93	-2.04	0.0	7.90e-05	1.88e-06
2909	44	0.24	-1.40	-1.78	0.0	7.00e-05	2.19e-06
2909	52	0.28	-0.18	-2.02	0.0	7.83e-05	1.81e-06
2909	80	0.20	-0.62	-1.42	0.0	5.55e-05	1.56e-06
2909	88	0.17	-0.94	-1.25	0.0	4.95e-05	1.77e-06
2909	92	0.20	-0.12	-1.41	0.0	5.50e-05	1.52e-06
2909	98	0.17	-0.10	-1.16	0.0	4.55e-05	1.74e-06
2909	105	0.16	-0.26	-1.10	0.0	4.36e-05	1.81e-06
2909	107	0.16	-0.10	-1.10	0.0	4.34e-05	1.79e-06
2909	112	9.82	3.87	-1.08	0.0	7.71e-04	-5.42e-04
2909	133	-0.28	-6.71	-1.29	0.0	1.24e-05	4.64e-05
2909	139	-5.29	-7.82	-1.29	0.0	-3.51e-04	3.49e-04
2909	144	11.04	4.37	-1.08	0.0	8.63e-04	-6.10e-04
2909	165	-0.34	-7.53	-1.31	0.0	8.18e-06	5.27e-05
2909	171	-6.00	-8.78	-1.31	0.0	-4.01e-04	3.94e-04
2909	176	11.11	4.32	-1.07	0.0	8.62e-04	-6.05e-04
2909	203	-6.15	-8.71	-1.31	0.0	-4.08e-04	3.99e-04
2909	208	13.07	5.06	-1.07	0.0	1.01e-03	-7.08e-04
2909	235	-7.39	-10.15	-1.34	0.0	-4.94e-04	4.76e-04
2910	28	0.32	-1.01	-2.17	0.0	9.98e-05	-1.40e-06
2910	44	0.28	-1.50	-1.89	0.0	8.69e-05	0.0
2910	52	0.32	-0.23	-2.15	0.0	1.03e-04	-2.57e-06
2910	80	0.22	-0.68	-1.51	0.0	7.12e-05	0.0
2910	88	0.20	-1.01	-1.33	0.0	6.26e-05	0.0
2910	92	0.23	-0.16	-1.50	0.0	7.35e-05	-1.74e-06
2910	98	0.19	-0.13	-1.23	0.0	6.25e-05	-1.28e-06
2910	105	0.18	-0.30	-1.17	0.0	5.93e-05	0.0
2910	107	0.18	-0.12	-1.17	0.0	6.01e-05	-1.19e-06
2910	112	10.18	4.04	-1.15	0.0	7.05e-04	-5.62e-04
2910	133	-0.27	-7.11	-1.35	0.0	1.68e-05	4.40e-05
2910	139	-5.45	-8.27	-1.35	0.0	-3.10e-04	3.55e-04
2910	144	11.45	4.57	-1.14	0.0	7.87e-04	-6.33e-04
2910	165	-0.33	-7.99	-1.37	0.0	1.11e-05	5.03e-05
2910	171	-6.18	-9.29	-1.37	0.0	-3.58e-04	4.01e-04
2910	176	11.52	4.51	-1.14	0.0	7.87e-04	-6.27e-04
2910	197	-0.37	-7.90	-1.37	0.0	1.02e-05	5.32e-05
2910	203	-6.34	-9.21	-1.37	0.0	-3.64e-04	4.06e-04
2910	208	13.55	5.28	-1.14	0.0	9.15e-04	-7.34e-04

2910	235	-7.62	-10.73	-1.40	0.0	-4.44e-04	4.85e-04
2911	28	0.24	-0.84	-2.40	0.0	7.84e-05	7.52e-06
2911	44	0.21	-1.30	-2.10	0.0	6.93e-05	7.73e-06
2911	52	0.25	-0.13	-2.38	0.0	7.77e-05	7.54e-06
2911	80	0.17	-0.56	-1.68	0.0	5.50e-05	5.85e-06
2911	88	0.15	-0.87	-1.48	0.0	4.89e-05	5.99e-06
2911	92	0.17	-0.09	-1.66	0.0	5.46e-05	5.86e-06
2911	98	0.15	-0.07	-1.37	0.0	4.51e-05	5.88e-06
2911	105	0.14	-0.23	-1.30	0.0	4.31e-05	5.93e-06
2911	107	0.14	-0.07	-1.30	0.0	4.29e-05	5.93e-06
2911	112	9.20	3.68	-1.27	0.0	8.09e-04	-5.18e-04
2911	133	-0.29	-6.27	-1.52	0.0	4.92e-06	5.04e-05
2911	139	-4.97	-7.32	-1.50	0.0	-3.78e-04	3.43e-04
2911	144	10.35	4.16	-1.27	0.0	9.07e-04	-5.85e-04
2911	165	-0.34	-7.04	-1.55	0.0	0.0	5.66e-05
2911	171	-5.64	-8.23	-1.53	0.0	-4.32e-04	3.87e-04
2911	176	10.41	4.11	-1.27	0.0	9.06e-04	-5.78e-04
2911	197	-0.38	-6.97	-1.55	0.0	-1.56e-06	5.93e-05
2911	203	-5.78	-8.16	-1.52	0.0	-4.39e-04	3.91e-04
2911	208	12.25	4.81	-1.26	0.0	1.06e-03	-6.78e-04
2911	229	-0.49	-8.10	-1.59	0.0	-1.02e-05	7.19e-05
2911	235	-6.94	-9.52	-1.56	0.0	-5.30e-04	4.66e-04
2912	28	0.28	-0.93	-2.44	0.0	7.47e-05	3.38e-06
2912	44	0.25	-1.40	-2.14	0.0	6.60e-05	3.76e-06
2912	52	0.28	-0.18	-2.42	0.0	7.37e-05	3.23e-06
2912	80	0.20	-0.62	-1.71	0.0	5.23e-05	2.71e-06
2912	88	0.17	-0.94	-1.50	0.0	4.64e-05	2.96e-06
2912	92	0.20	-0.12	-1.69	0.0	5.16e-05	2.61e-06
2912	98	0.17	-0.10	-1.39	0.0	4.23e-05	2.81e-06
2912	105	0.16	-0.26	-1.32	0.0	4.05e-05	2.90e-06
2912	107	0.16	-0.10	-1.32	0.0	4.02e-05	2.87e-06
2912	112	9.58	3.88	-1.29	0.0	7.53e-04	-5.40e-04
2912	133	-0.28	-6.71	-1.54	0.0	8.08e-06	4.79e-05
2912	139	-5.15	-7.82	-1.52	0.0	-3.48e-04	3.50e-04
2912	144	10.78	4.38	-1.29	0.0	8.44e-04	-6.09e-04
2912	165	-0.34	-7.54	-1.57	0.0	3.77e-06	5.42e-05
2912	171	-5.84	-8.79	-1.55	0.0	-3.98e-04	3.95e-04
2912	176	10.84	4.33	-1.29	0.0	8.42e-04	-6.02e-04
2912	197	-0.37	-7.46	-1.57	0.0	2.29e-06	5.69e-05
2912	203	-5.98	-8.72	-1.54	0.0	-4.04e-04	3.99e-04
2912	208	12.74	5.06	-1.28	0.0	9.83e-04	-7.06e-04
2912	229	-0.49	-8.67	-1.61	0.0	-5.28e-06	6.97e-05
2912	235	-7.18	-10.16	-1.58	0.0	-4.88e-04	4.76e-04
2913	28	0.32	-1.01	-2.53	0.0	1.03e-04	-1.41e-06
2913	44	0.28	-1.50	-2.21	0.0	9.24e-05	0.0
2913	52	0.32	-0.23	-2.50	0.0	1.03e-04	-2.17e-06
2913	80	0.22	-0.68	-1.77	0.0	7.35e-05	0.0
2913	88	0.20	-1.01	-1.56	0.0	6.64e-05	0.0
2913	92	0.22	-0.16	-1.75	0.0	7.37e-05	-1.45e-06
2913	98	0.19	-0.13	-1.44	0.0	6.30e-05	-1.01e-06
2913	105	0.18	-0.30	-1.37	0.0	6.06e-05	0.0
2913	107	0.18	-0.12	-1.36	0.0	6.07e-05	0.0
2913	112	9.93	4.04	-1.34	0.0	6.98e-04	-5.63e-04
2913	133	-0.28	-7.11	-1.59	0.0	1.40e-05	4.42e-05
2913	139	-5.31	-8.27	-1.57	0.0	-3.05e-04	3.56e-04
2913	144	11.17	4.57	-1.34	0.0	7.78e-04	-6.34e-04
2913	165	-0.34	-7.99	-1.61	0.0	8.00e-06	5.05e-05
2913	171	-6.02	-9.29	-1.59	0.0	-3.52e-04	4.02e-04
2913	176	11.23	4.51	-1.33	0.0	7.77e-04	-6.28e-04
2913	197	-0.37	-7.90	-1.61	0.0	7.59e-06	5.33e-05
2913	203	-6.17	-9.21	-1.59	0.0	-3.57e-04	4.07e-04
2913	208	13.21	5.28	-1.33	0.0	9.03e-04	-7.36e-04
2913	229	-0.49	-9.18	-1.65	0.0	-1.69e-06	6.62e-05
2913	235	-7.41	-10.73	-1.62	0.0	-4.35e-04	4.86e-04
2914	28	0.25	-0.84	-2.65	0.0	7.42e-05	9.36e-06
2914	44	0.22	-1.30	-2.32	0.0	6.53e-05	9.91e-06
2914	52	0.25	-0.13	-2.62	0.0	7.34e-05	9.04e-06
2914	80	0.18	-0.56	-1.85	0.0	5.19e-05	7.28e-06
2914	88	0.15	-0.87	-1.63	0.0	4.59e-05	7.65e-06
2914	92	0.18	-0.09	-1.83	0.0	5.13e-05	7.07e-06
2914	98	0.15	-0.07	-1.51	0.0	4.20e-05	7.16e-06
2914	105	0.14	-0.23	-1.44	0.0	4.01e-05	7.30e-06
2914	107	0.14	-0.07	-1.43	0.0	3.99e-05	7.23e-06
2914	112	8.98	3.68	-1.41	0.0	7.92e-04	-5.08e-04
2914	133	-0.29	-6.27	-1.68	0.0	0.0	5.24e-05

2914	139	-4.84	-7.32	-1.65	0.0	-3.74e-04	3.40e-04
2914	144	10.11	4.16	-1.41	0.0	8.87e-04	-5.74e-04
2914	165	-0.35	-7.04	-1.71	0.0	-4.60e-06	5.86e-05
2914	171	-5.49	-8.23	-1.68	0.0	-4.27e-04	3.83e-04
2914	176	10.16	4.11	-1.41	0.0	8.85e-04	-5.66e-04
2914	197	-0.37	-6.97	-1.70	0.0	-5.75e-06	6.11e-05
2914	203	-5.62	-8.16	-1.68	0.0	-4.33e-04	3.86e-04
2914	208	11.95	4.81	-1.40	0.0	1.03e-03	-6.64e-04
2914	229	-0.48	-8.10	-1.75	0.0	-1.44e-05	7.36e-05
2914	235	-6.74	-9.52	-1.72	0.0	-5.22e-04	4.59e-04
2915	28	0.28	-0.93	-2.68	0.0	6.88e-05	3.38e-06
2915	44	0.25	-1.41	-2.35	0.0	6.02e-05	3.93e-06
2915	52	0.29	-0.18	-2.65	0.0	6.76e-05	3.03e-06
2915	80	0.20	-0.62	-1.87	0.0	4.77e-05	2.73e-06
2915	88	0.18	-0.94	-1.65	0.0	4.20e-05	3.09e-06
2915	92	0.20	-0.12	-1.85	0.0	4.70e-05	2.50e-06
2915	98	0.17	-0.10	-1.53	0.0	3.79e-05	2.78e-06
2915	105	0.16	-0.26	-1.46	0.0	3.61e-05	2.93e-06
2915	107	0.16	-0.10	-1.45	0.0	3.58e-05	2.86e-06
2915	112	9.35	3.88	-1.43	0.0	7.28e-04	-5.35e-04
2915	133	-0.28	-6.72	-1.70	0.0	2.71e-06	4.82e-05
2915	139	-5.01	-7.83	-1.67	0.0	-3.42e-04	3.48e-04
2915	144	10.52	4.38	-1.43	0.0	8.16e-04	-6.04e-04
2915	165	-0.35	-7.55	-1.73	0.0	-1.69e-06	5.45e-05
2915	171	-5.68	-8.80	-1.70	0.0	-3.91e-04	3.92e-04
2915	176	10.57	4.33	-1.42	0.0	8.14e-04	-5.97e-04
2915	197	-0.37	-7.47	-1.72	0.0	-2.94e-06	5.72e-05
2915	203	-5.82	-8.73	-1.69	0.0	-3.97e-04	3.96e-04
2915	208	12.43	5.07	-1.42	0.0	9.50e-04	-6.99e-04
2915	229	-0.49	-8.69	-1.77	0.0	-1.05e-05	6.99e-05
2915	235	-6.98	-10.17	-1.73	0.0	-4.78e-04	4.72e-04
2916	28	0.32	-1.01	-2.75	0.0	1.05e-04	-1.13e-06
2916	44	0.28	-1.50	-2.41	0.0	9.57e-05	0.0
2916	52	0.32	-0.23	-2.72	0.0	1.05e-04	-1.61e-06
2916	80	0.22	-0.68	-1.92	0.0	7.53e-05	0.0
2916	88	0.20	-1.01	-1.70	0.0	6.90e-05	0.0
2916	92	0.22	-0.16	-1.90	0.0	7.50e-05	-1.05e-06
2916	98	0.19	-0.13	-1.57	0.0	6.46e-05	0.0
2916	105	0.18	-0.30	-1.49	0.0	6.25e-05	0.0
2916	107	0.18	-0.12	-1.49	0.0	6.24e-05	0.0
2916	112	9.69	4.04	-1.47	0.0	6.86e-04	-5.64e-04
2916	133	-0.28	-7.11	-1.73	0.0	1.37e-05	4.43e-05
2916	139	-5.17	-8.27	-1.71	0.0	-2.96e-04	3.57e-04
2916	144	10.90	4.57	-1.47	0.0	7.65e-04	-6.35e-04
2916	165	-0.35	-7.99	-1.77	0.0	7.50e-06	5.06e-05
2916	171	-5.87	-9.29	-1.74	0.0	-3.41e-04	4.03e-04
2916	176	10.95	4.51	-1.46	0.0	7.63e-04	-6.29e-04
2916	197	-0.38	-7.90	-1.76	0.0	7.45e-06	5.34e-05
2916	203	-6.00	-9.21	-1.73	0.0	-3.45e-04	4.08e-04
2916	208	12.87	5.28	-1.46	0.0	8.86e-04	-7.37e-04
2916	229	-0.49	-9.18	-1.80	0.0	-1.87e-06	6.63e-05
2916	235	-7.20	-10.73	-1.77	0.0	-4.20e-04	4.87e-04
2917	28	0.25	-0.84	-2.66	0.0	6.78e-05	8.79e-06
2917	44	0.22	-1.30	-2.34	0.0	5.89e-05	1.01e-05
2917	52	0.26	-0.12	-2.63	0.0	6.71e-05	7.79e-06
2917	80	0.18	-0.56	-1.86	0.0	4.70e-05	6.92e-06
2917	88	0.16	-0.87	-1.65	0.0	4.10e-05	7.78e-06
2917	92	0.18	-0.09	-1.84	0.0	4.65e-05	6.25e-06
2917	98	0.15	-0.07	-1.52	0.0	3.75e-05	6.62e-06
2917	105	0.15	-0.23	-1.45	0.0	3.55e-05	6.98e-06
2917	107	0.15	-0.07	-1.44	0.0	3.54e-05	6.76e-06
2917	112	8.78	3.69	-1.43	0.0	7.67e-04	-4.97e-04
2917	133	-0.29	-6.27	-1.71	0.0	-5.52e-06	5.20e-05
2917	139	-4.71	-7.32	-1.67	0.0	-3.69e-04	3.32e-04
2917	144	9.88	4.16	-1.43	0.0	8.60e-04	-5.60e-04
2917	165	-0.35	-7.04	-1.74	0.0	-1.08e-05	5.82e-05
2917	171	-5.35	-8.23	-1.70	0.0	-4.21e-04	3.74e-04
2917	176	9.92	4.11	-1.43	0.0	8.58e-04	-5.52e-04
2917	197	-0.37	-6.97	-1.73	0.0	-1.17e-05	6.03e-05
2917	203	-5.46	-8.16	-1.70	0.0	-4.26e-04	3.76e-04
2917	208	11.67	4.81	-1.43	0.0	1.00e-03	-6.46e-04
2917	229	-0.48	-8.10	-1.78	0.0	-2.03e-05	7.26e-05
2917	235	-6.55	-9.52	-1.74	0.0	-5.12e-04	4.46e-04
2918	28	0.29	-0.93	-2.70	0.0	6.20e-05	0.0
2918	44	0.25	-1.41	-2.38	0.0	5.34e-05	0.0

2918	52	0.29	-0.18	-2.67	0.0	6.09e-05	-1.16e-06
2918	80	0.20	-0.63	-1.89	0.0	4.26e-05	0.0
2918	88	0.18	-0.94	-1.67	0.0	3.68e-05	0.0
2918	92	0.20	-0.12	-1.87	0.0	4.18e-05	0.0
2918	98	0.17	-0.10	-1.54	0.0	3.29e-05	0.0
2918	105	0.16	-0.26	-1.47	0.0	3.11e-05	0.0
2918	107	0.16	-0.10	-1.47	0.0	3.08e-05	0.0
2918	112	9.13	3.89	-1.46	0.0	6.90e-04	-5.31e-04
2918	133	-0.29	-6.73	-1.73	0.0	-3.17e-06	4.54e-05
2918	139	-4.88	-7.85	-1.70	0.0	-3.31e-04	3.41e-04
2918	144	10.27	4.39	-1.45	0.0	7.74e-04	-5.99e-04
2918	165	-0.35	-7.56	-1.77	0.0	-7.64e-06	5.17e-05
2918	171	-5.54	-8.82	-1.73	0.0	-3.78e-04	3.85e-04
2918	176	10.31	4.34	-1.45	0.0	7.72e-04	-5.91e-04
2918	197	-0.38	-7.48	-1.76	0.0	-8.59e-06	5.42e-05
2918	203	-5.66	-8.74	-1.73	0.0	-3.83e-04	3.88e-04
2918	208	12.12	5.08	-1.45	0.0	9.01e-04	-6.92e-04
2918	229	-0.49	-8.70	-1.81	0.0	-1.61e-05	6.68e-05
2918	235	-6.79	-10.19	-1.77	0.0	-4.61e-04	4.63e-04
2919	28	0.31	-1.01	-2.79	0.0	1.08e-04	0.0
2919	44	0.28	-1.50	-2.46	0.0	9.86e-05	0.0
2919	52	0.32	-0.23	-2.76	0.0	1.07e-04	0.0
2919	80	0.22	-0.68	-1.95	0.0	7.74e-05	0.0
2919	88	0.20	-1.01	-1.73	0.0	7.14e-05	0.0
2919	92	0.22	-0.16	-1.93	0.0	7.72e-05	0.0
2919	98	0.19	-0.13	-1.59	0.0	6.70e-05	0.0
2919	105	0.18	-0.30	-1.52	0.0	6.50e-05	0.0
2919	107	0.18	-0.12	-1.52	0.0	6.50e-05	0.0
2919	112	9.45	4.04	-1.50	0.0	6.60e-04	-5.66e-04
2919	133	-0.29	-7.11	-1.79	0.0	1.74e-05	4.43e-05
2919	139	-5.03	-8.27	-1.76	0.0	-2.75e-04	3.58e-04
2919	144	10.63	4.57	-1.50	0.0	7.36e-04	-6.37e-04
2919	165	-0.36	-7.98	-1.82	0.0	1.14e-05	5.05e-05
2919	171	-5.71	-9.29	-1.79	0.0	-3.18e-04	4.04e-04
2919	176	10.67	4.51	-1.50	0.0	7.33e-04	-6.31e-04
2919	197	-0.38	-7.90	-1.82	0.0	1.16e-05	5.34e-05
2919	203	-5.84	-9.21	-1.78	0.0	-3.20e-04	4.09e-04
2919	208	12.54	5.28	-1.50	0.0	8.49e-04	-7.40e-04
2919	229	-0.49	-9.18	-1.87	0.0	2.66e-06	6.62e-05
2919	235	-7.00	-10.73	-1.83	0.0	-3.91e-04	4.89e-04
2920	28	0.26	-0.84	-2.49	0.0	5.72e-05	5.12e-06
2920	44	0.23	-1.30	-2.20	0.0	4.77e-05	7.60e-06
2920	52	0.26	-0.12	-2.45	0.0	5.67e-05	2.94e-06
2920	80	0.18	-0.56	-1.75	0.0	3.89e-05	4.21e-06
2920	88	0.16	-0.87	-1.56	0.0	3.26e-05	5.86e-06
2920	92	0.19	-0.09	-1.72	0.0	3.86e-05	2.75e-06
2920	98	0.16	-0.07	-1.43	0.0	2.99e-05	3.54e-06
2920	105	0.15	-0.23	-1.37	0.0	2.78e-05	4.25e-06
2920	107	0.15	-0.07	-1.36	0.0	2.77e-05	3.77e-06
2920	112	8.60	3.69	-1.35	0.0	7.30e-04	-5.00e-04
2920	133	-0.29	-6.27	-1.65	0.0	-1.55e-05	4.63e-05
2920	139	-4.60	-7.32	-1.61	0.0	-3.62e-04	3.25e-04
2920	144	9.67	4.16	-1.35	0.0	8.19e-04	-5.64e-04
2920	165	-0.35	-7.04	-1.68	0.0	-2.11e-05	5.21e-05
2920	171	-5.22	-8.23	-1.64	0.0	-4.12e-04	3.67e-04
2920	176	9.71	4.11	-1.35	0.0	8.15e-04	-5.56e-04
2920	197	-0.37	-6.97	-1.68	0.0	-2.15e-05	5.41e-05
2920	203	-5.33	-8.16	-1.64	0.0	-4.16e-04	3.69e-04
2920	208	11.41	4.81	-1.35	0.0	9.52e-04	-6.50e-04
2920	229	-0.48	-8.10	-1.73	0.0	-3.02e-05	6.57e-05
2920	235	-6.38	-9.52	-1.68	0.0	-4.99e-04	4.39e-04
2921	28	0.28	-0.94	-2.57	0.0	5.58e-05	-1.02e-05
2921	44	0.25	-1.41	-2.28	0.0	4.66e-05	-9.22e-06
2921	52	0.29	-0.18	-2.54	0.0	5.52e-05	-1.15e-05
2921	80	0.20	-0.63	-1.81	0.0	3.78e-05	-7.67e-06
2921	88	0.18	-0.95	-1.61	0.0	3.16e-05	-7.00e-06
2921	92	0.20	-0.13	-1.78	0.0	3.73e-05	-8.51e-06
2921	98	0.17	-0.10	-1.48	0.0	2.84e-05	-7.48e-06
2921	105	0.16	-0.27	-1.41	0.0	2.64e-05	-7.16e-06
2921	107	0.16	-0.10	-1.41	0.0	2.62e-05	-7.44e-06
2921	112	8.92	3.90	-1.40	0.0	6.38e-04	-5.25e-04
2921	133	-0.30	-6.75	-1.70	0.0	-9.07e-06	3.79e-05
2921	139	-4.76	-7.87	-1.66	0.0	-3.12e-04	3.24e-04
2921	144	10.03	4.40	-1.40	0.0	7.15e-04	-5.90e-04
2921	165	-0.36	-7.58	-1.74	0.0	-1.36e-05	4.41e-05

2921	171	-5.40	-8.84	-1.70	0.0	-3.56e-04	3.67e-04
2921	176	10.07	4.35	-1.40	0.0	7.13e-04	-5.82e-04
2921	197	-0.38	-7.50	-1.73	0.0	-1.42e-05	4.62e-05
2921	203	-5.51	-8.77	-1.69	0.0	-3.59e-04	3.69e-04
2921	208	11.82	5.09	-1.40	0.0	8.32e-04	-6.78e-04
2921	229	-0.49	-8.72	-1.79	0.0	-2.15e-05	5.85e-05
2921	235	-6.60	-10.22	-1.74	0.0	-4.31e-04	4.41e-04
2922	28	0.31	-1.01	-2.70	0.0	1.13e-04	-1.78e-06
2922	44	0.28	-1.50	-2.39	0.0	1.05e-04	-1.22e-06
2922	52	0.32	-0.23	-2.66	0.0	1.14e-04	-2.04e-06
2922	80	0.22	-0.68	-1.89	0.0	8.19e-05	-1.21e-06
2922	88	0.20	-1.01	-1.69	0.0	7.60e-05	0.0
2922	92	0.22	-0.16	-1.87	0.0	8.20e-05	-1.39e-06
2922	98	0.19	-0.13	-1.55	0.0	7.14e-05	-1.09e-06
2922	105	0.18	-0.30	-1.48	0.0	6.95e-05	0.0
2922	107	0.18	-0.12	-1.47	0.0	6.95e-05	-1.00e-06
2922	112	9.21	4.04	-1.47	0.0	6.34e-04	-5.66e-04
2922	133	-0.30	-7.11	-1.77	0.0	2.74e-05	4.32e-05
2922	139	-4.90	-8.26	-1.73	0.0	-2.48e-04	3.56e-04
2922	144	10.36	4.56	-1.47	0.0	7.06e-04	-6.38e-04
2922	165	-0.37	-7.98	-1.81	0.0	2.21e-05	4.94e-05
2922	171	-5.56	-9.29	-1.76	0.0	-2.89e-04	4.03e-04
2922	176	10.40	4.51	-1.47	0.0	7.02e-04	-6.32e-04
2922	197	-0.39	-7.90	-1.80	0.0	2.22e-05	5.23e-05
2922	203	-5.67	-9.21	-1.76	0.0	-2.90e-04	4.08e-04
2922	208	12.21	5.28	-1.47	0.0	8.11e-04	-7.40e-04
2922	229	-0.50	-9.18	-1.86	0.0	1.43e-05	6.50e-05
2922	235	-6.80	-10.73	-1.81	0.0	-3.56e-04	4.87e-04
2923	28	0.01	-0.39	-0.25	0.0	5.52e-06	0.0
2923	44	8.94e-03	-0.61	-0.23	0.0	4.63e-06	0.0
2923	52	0.01	-0.06	-0.24	0.0	5.78e-06	0.0
2923	80	7.86e-03	-0.27	-0.18	0.0	3.90e-06	0.0
2923	88	6.29e-03	-0.41	-0.16	0.0	3.30e-06	0.0
2923	92	8.41e-03	-0.05	-0.17	0.0	4.07e-06	0.0
2923	98	6.91e-03	-0.04	-0.14	0.0	3.42e-06	0.0
2923	105	6.32e-03	-0.11	-0.14	0.0	3.20e-06	0.0
2923	107	6.51e-03	-0.04	-0.13	0.0	3.26e-06	0.0
2923	112	4.32	-1.94	-0.18	0.0	1.66e-03	-3.55e-04
2923	129	2.40	-4.26	-0.33	0.0	9.24e-04	-2.12e-04
2923	144	4.87	-2.18	-0.19	0.0	1.87e-03	-4.00e-04
2923	161	2.72	-4.80	-0.36	0.0	1.04e-03	-2.40e-04
2923	176	4.89	-2.19	-0.19	0.0	1.88e-03	-4.01e-04
2923	193	2.78	-4.82	-0.36	0.0	1.07e-03	-2.46e-04
2923	208	5.76	-2.58	-0.19	0.0	2.21e-03	-4.73e-04
2923	225	3.32	-5.67	-0.40	0.0	1.28e-03	-2.95e-04
2924	28	4.71e-03	-0.17	-0.10	0.0	4.44e-06	0.0
2924	44	3.71e-03	-0.26	-0.09	0.0	3.49e-06	0.0
2924	52	5.05e-03	-0.03	-0.09	0.0	4.77e-06	0.0
2924	80	3.27e-03	-0.11	-0.07	0.0	3.08e-06	0.0
2924	88	2.60e-03	-0.17	-0.06	0.0	2.45e-06	0.0
2924	92	3.49e-03	-0.02	-0.06	0.0	3.30e-06	0.0
2924	98	2.85e-03	-0.02	-0.05	0.0	2.70e-06	0.0
2924	105	2.60e-03	-0.05	-0.05	0.0	2.47e-06	0.0
2924	107	2.67e-03	-0.02	-0.05	0.0	2.54e-06	0.0
2924	112	1.82	-0.80	-0.07	0.0	1.72e-03	-1.48e-04
2924	129	1.01	-1.75	-0.13	0.0	9.55e-04	-8.91e-05
2924	144	2.05	-0.90	-0.07	0.0	1.93e-03	-1.66e-04
2924	161	1.14	-1.98	-0.14	0.0	1.08e-03	-1.01e-04
2924	176	2.06	-0.90	-0.07	0.0	1.94e-03	-1.67e-04
2924	193	1.17	-1.98	-0.14	0.0	1.10e-03	-1.03e-04
2924	208	2.43	-1.06	-0.07	0.0	2.29e-03	-1.96e-04
2924	225	1.40	-2.33	-0.15	0.0	1.32e-03	-1.24e-04
2925	4	0.06	0.52	-1.21	0.0	9.53e-05	4.76e-06
2925	44	0.05	-0.89	-1.00	0.0	7.94e-05	1.90e-06
2925	68	0.04	0.35	-0.84	0.0	6.69e-05	3.28e-06
2925	88	0.03	-0.60	-0.70	0.0	5.63e-05	1.37e-06
2925	98	0.03	-4.10e-03	-0.68	0.0	5.45e-05	1.79e-06
2925	105	0.03	-0.12	-0.64	0.0	5.16e-05	1.58e-06
2925	107	0.03	-3.66e-03	-0.64	0.0	5.20e-05	1.70e-06
2925	112	4.71	2.80	-0.73	0.0	9.61e-04	-4.48e-04
2925	124	-0.27	4.97	-0.75	0.0	7.89e-04	2.20e-05
2925	139	-2.61	-5.25	-0.57	0.0	2.36e-04	2.72e-04
2925	144	5.30	3.16	-0.75	0.0	1.08e-03	-5.05e-04
2925	156	-0.31	5.59	-0.77	0.0	8.82e-04	2.51e-05
2925	171	-2.95	-5.91	-0.56	0.0	2.58e-04	3.08e-04

2925	176	5.29	3.13	-0.75	0.0	1.06e-03	-5.06e-04
2925	188	-0.31	5.49	-0.76	0.0	8.68e-04	2.77e-05
2925	203	-2.97	-5.87	-0.56	0.0	2.51e-04	3.15e-04
2925	208	6.20	3.65	-0.76	0.0	1.23e-03	-5.96e-04
2925	220	-0.37	6.37	-0.78	0.0	1.00e-03	3.48e-05
2925	235	-3.53	-6.85	-0.55	0.0	2.77e-04	3.78e-04
2926	4	0.01	0.51	-1.21	4.10e-04	1.00e-04	0.0
2926	18	9.48e-03	0.83	-1.05	3.55e-04	9.04e-05	0.0
2926	52	0.01	0.03	-1.20	4.07e-04	9.97e-05	0.0
2926	68	8.24e-03	0.34	-0.84	2.85e-04	7.13e-05	0.0
2926	75	6.65e-03	0.55	-0.73	2.49e-04	6.47e-05	0.0
2926	92	8.73e-03	0.02	-0.83	2.83e-04	7.09e-05	0.0
2926	98	7.13e-03	0.02	-0.68	2.31e-04	6.02e-05	0.0
2926	103	6.54e-03	0.13	-0.65	2.19e-04	5.80e-05	0.0
2926	107	6.70e-03	0.02	-0.65	2.18e-04	5.78e-05	0.0
2926	112	4.08	2.60	-0.74	2.36e-04	9.96e-04	-4.69e-04
2926	124	-0.24	4.55	-0.76	2.33e-04	8.17e-04	1.54e-05
2926	136	2.30	4.78	-0.73	2.29e-04	-1.42e-04	-2.73e-04
2926	144	4.59	2.92	-0.75	2.38e-04	1.11e-03	-5.29e-04
2926	156	-0.27	5.11	-0.78	2.35e-04	9.12e-04	1.79e-05
2926	168	2.60	5.38	-0.74	2.30e-04	-1.67e-04	-3.09e-04
2926	176	4.59	2.90	-0.75	2.37e-04	1.10e-03	-5.32e-04
2926	188	-0.27	5.02	-0.77	2.35e-04	8.96e-04	2.07e-05
2926	200	2.63	5.33	-0.74	2.30e-04	-1.60e-04	-3.18e-04
2926	208	5.39	3.38	-0.77	2.40e-04	1.27e-03	-6.27e-04
2926	220	-0.32	5.83	-0.79	2.37e-04	1.03e-03	2.69e-05
2926	232	3.12	6.23	-0.75	2.32e-04	-1.88e-04	-3.82e-04
2927	18	-4.85e-03	0.21	-0.08	0.0	-5.03e-06	1.45e-06
2927	28	-4.41e-03	-0.15	-0.11	0.0	-4.50e-06	1.29e-06
2927	44	-4.78e-03	-0.24	-0.10	0.0	-4.83e-06	1.12e-06
2927	75	-3.56e-03	0.14	-0.06	0.0	-3.70e-06	1.01e-06
2927	80	-3.27e-03	-0.10	-0.07	0.0	-3.35e-06	0.0
2927	88	-3.51e-03	-0.16	-0.07	0.0	-3.56e-06	0.0
2927	98	-2.66e-03	-9.46e-03	-0.06	0.0	-2.78e-06	0.0
2927	103	-2.80e-03	0.02	-0.06	0.0	-2.92e-06	0.0
2927	105	-2.79e-03	-0.04	-0.06	0.0	-2.89e-06	0.0
2927	107	-2.65e-03	-9.05e-03	-0.06	0.0	-2.77e-06	0.0
2927	115	-1.84	-1.57	-0.13	0.0	-1.73e-03	1.44e-04
2927	135	-1.08	-1.73	-0.13	0.0	-1.02e-03	8.59e-05
2927	139	-1.03	-1.74	-0.13	0.0	-9.76e-04	8.81e-05
2927	147	-2.07	-1.76	-0.14	0.0	-1.95e-03	1.62e-04
2927	167	-1.22	-1.95	-0.14	0.0	-1.15e-03	9.69e-05
2927	171	-1.17	-1.96	-0.14	0.0	-1.10e-03	9.95e-05
2927	179	-2.08	-1.76	-0.14	0.0	-1.96e-03	1.62e-04
2927	203	-1.19	-1.97	-0.14	0.0	-1.13e-03	1.02e-04
2927	211	-2.45	-2.06	-0.15	0.0	-2.31e-03	1.91e-04
2927	235	-1.43	-2.32	-0.16	0.0	-1.35e-03	1.22e-04
2928	4	0.11	0.53	-1.20	0.0	9.76e-05	-1.17e-06
2928	44	0.09	-1.00	-1.00	0.0	8.24e-05	-4.14e-06
2928	68	0.08	0.35	-0.84	0.0	6.85e-05	0.0
2928	88	0.07	-0.67	-0.70	0.0	5.83e-05	-2.87e-06
2928	98	0.06	-0.02	-0.68	0.0	5.60e-05	-1.95e-06
2928	105	0.06	-0.15	-0.64	0.0	5.31e-05	-2.02e-06
2928	107	0.06	-0.02	-0.64	0.0	5.34e-05	-1.85e-06
2928	112	5.33	3.02	-0.73	0.0	9.36e-04	-4.68e-04
2928	124	-0.30	5.42	-0.75	0.0	7.68e-04	2.33e-05
2928	139	-2.91	-5.79	-0.57	0.0	2.33e-04	2.85e-04
2928	144	5.99	3.41	-0.74	0.0	1.05e-03	-5.27e-04
2928	156	-0.35	6.10	-0.76	0.0	8.58e-04	2.70e-05
2928	171	-3.29	-6.51	-0.56	0.0	2.55e-04	3.23e-04
2928	176	5.97	3.37	-0.74	0.0	1.03e-03	-5.26e-04
2928	188	-0.35	5.99	-0.76	0.0	8.45e-04	2.94e-05
2928	203	-3.32	-6.46	-0.56	0.0	2.48e-04	3.29e-04
2928	208	7.00	3.94	-0.76	0.0	1.20e-03	-6.18e-04
2928	220	-0.41	6.95	-0.78	0.0	9.75e-04	3.75e-05
2928	235	-3.94	-7.54	-0.55	0.0	2.73e-04	3.95e-04
2929	28	-2.18e-03	-0.08	-0.05	0.0	-4.24e-06	0.0
2929	44	-2.37e-03	-0.12	-0.05	0.0	-4.59e-06	0.0
2929	80	-1.61e-03	-0.05	-0.04	0.0	-3.15e-06	0.0
2929	88	-1.74e-03	-0.08	-0.03	0.0	-3.38e-06	0.0
2929	98	-1.30e-03	-5.19e-03	-0.03	0.0	-2.57e-06	0.0
2929	105	-1.37e-03	-0.02	-0.03	0.0	-2.69e-06	0.0
2929	107	-1.30e-03	-4.97e-03	-0.03	0.0	-2.56e-06	0.0
2929	115	-0.92	-0.78	-0.06	0.0	-1.75e-03	6.98e-05
2929	135	-0.54	-0.86	-0.07	0.0	-1.03e-03	4.19e-05

2929	139	-0.52	-0.87	-0.07	0.0	-9.83e-04	4.30e-05
2929	147	-1.04	-0.88	-0.07	0.0	-1.97e-03	7.86e-05
2929	167	-0.61	-0.97	-0.07	0.0	-1.16e-03	4.72e-05
2929	171	-0.59	-0.98	-0.07	0.0	-1.11e-03	4.86e-05
2929	179	-1.04	-0.87	-0.07	0.0	-1.98e-03	7.88e-05
2929	203	-0.60	-0.98	-0.07	0.0	-1.14e-03	4.97e-05
2929	211	-1.23	-1.02	-0.07	0.0	-2.33e-03	9.27e-05
2929	235	-0.72	-1.15	-0.08	0.0	-1.36e-03	5.96e-05
2930	4	0.16	0.54	-1.20	0.0	9.07e-05	-1.22e-05
2930	44	0.14	-1.11	-1.00	0.0	7.82e-05	-1.37e-05
2930	68	0.12	0.36	-0.84	0.0	6.37e-05	-8.59e-06
2930	88	0.10	-0.74	-0.70	0.0	5.54e-05	-9.60e-06
2930	98	0.09	-0.05	-0.68	0.0	5.25e-05	-8.32e-06
2930	105	0.09	-0.18	-0.64	0.0	5.00e-05	-8.03e-06
2930	107	0.09	-0.04	-0.64	0.0	5.01e-05	-7.88e-06
2930	112	5.93	3.24	-0.73	0.0	8.83e-04	-5.02e-04
2930	124	-0.33	5.87	-0.74	0.0	7.25e-04	2.03e-05
2930	139	-3.21	-6.32	-0.58	0.0	2.21e-04	2.99e-04
2930	144	6.67	3.66	-0.74	0.0	9.89e-04	-5.65e-04
2930	156	-0.38	6.61	-0.75	0.0	8.10e-04	2.45e-05
2930	171	-3.63	-7.11	-0.57	0.0	2.42e-04	3.39e-04
2930	176	6.64	3.62	-0.74	0.0	9.74e-04	-5.63e-04
2930	188	-0.38	6.48	-0.75	0.0	7.97e-04	2.68e-05
2930	203	-3.65	-7.05	-0.57	0.0	2.36e-04	3.45e-04
2930	204	6.20	4.07	-0.77	0.0	1.43e-03	-5.26e-04
2930	208	7.77	4.23	-0.76	0.0	1.13e-03	-6.60e-04
2930	235	-4.34	-8.22	-0.55	0.0	2.60e-04	4.15e-04
2931	1	0.0	0.0	0.0	0.0	-3.83e-06	0.0
2931	65	0.0	0.0	0.0	0.0	-2.86e-06	0.0
2931	97	0.0	0.0	0.0	0.0	-2.47e-06	0.0
2931	106	0.0	0.0	0.0	0.0	-2.47e-06	0.0
2931	108	0.0	0.0	0.0	0.0	1.42e-03	-3.41e-06
2931	140	0.0	0.0	0.0	0.0	1.60e-03	-3.84e-06
2931	172	0.0	0.0	0.0	0.0	1.60e-03	-3.83e-06
2931	204	0.0	0.0	0.0	0.0	1.89e-03	-4.51e-06
2932	4	0.21	0.56	-1.20	0.0	7.14e-05	-2.42e-05
2932	44	0.18	-1.21	-1.00	0.0	6.42e-05	-2.36e-05
2932	68	0.15	0.37	-0.84	0.0	5.03e-05	-1.69e-05
2932	88	0.13	-0.81	-0.70	0.0	4.55e-05	-1.65e-05
2932	98	0.12	-0.06	-0.68	0.0	4.22e-05	-1.50e-05
2932	105	0.11	-0.21	-0.64	0.0	4.04e-05	-1.43e-05
2932	107	0.12	-0.06	-0.64	0.0	4.03e-05	-1.42e-05
2932	108	5.17	3.35	-0.74	0.0	1.01e-03	-4.46e-04
2932	112	6.49	3.46	-0.73	0.0	7.99e-04	-5.52e-04
2932	139	-3.49	-6.85	-0.58	0.0	2.01e-04	3.17e-04
2932	140	5.81	3.77	-0.76	0.0	1.14e-03	-5.01e-04
2932	144	7.29	3.91	-0.74	0.0	8.95e-04	-6.20e-04
2932	171	-3.95	-7.70	-0.58	0.0	2.20e-04	3.60e-04
2932	172	5.78	3.71	-0.75	0.0	1.12e-03	-4.98e-04
2932	176	7.25	3.86	-0.74	0.0	8.82e-04	-6.19e-04
2932	203	-3.97	-7.63	-0.57	0.0	2.15e-04	3.68e-04
2932	204	6.76	4.34	-0.77	0.0	1.30e-03	-5.81e-04
2932	208	8.49	4.52	-0.76	0.0	1.02e-03	-7.25e-04
2932	235	-4.71	-8.90	-0.56	0.0	2.37e-04	4.43e-04
2933	4	0.06	0.52	-1.47	0.0	9.27e-05	0.0
2933	44	0.05	-0.89	-1.23	0.0	7.66e-05	0.0
2933	68	0.04	0.35	-1.03	0.0	6.50e-05	0.0
2933	88	0.04	-0.59	-0.87	0.0	5.43e-05	0.0
2933	98	0.03	-2.83e-03	-0.83	0.0	5.28e-05	0.0
2933	105	0.03	-0.12	-0.79	0.0	5.00e-05	0.0
2933	107	0.03	-2.45e-03	-0.79	0.0	5.03e-05	0.0
2933	112	4.52	2.81	-0.88	0.0	9.81e-04	-4.70e-04
2933	124	-0.28	4.98	-0.89	0.0	8.10e-04	1.90e-05
2933	139	-2.50	-5.26	-0.72	0.0	2.48e-04	2.80e-04
2933	144	5.09	3.16	-0.89	0.0	1.10e-03	-5.30e-04
2933	156	-0.32	5.60	-0.90	0.0	9.06e-04	2.21e-05
2933	171	-2.83	-5.92	-0.71	0.0	2.72e-04	3.17e-04
2933	176	5.07	3.13	-0.89	0.0	1.08e-03	-5.32e-04
2933	188	-0.32	5.49	-0.90	0.0	8.90e-04	2.48e-05
2933	203	-2.85	-5.87	-0.71	0.0	2.65e-04	3.25e-04
2933	208	5.94	3.66	-0.90	0.0	1.25e-03	-6.26e-04
2933	220	-0.38	6.38	-0.92	0.0	1.03e-03	3.18e-05
2933	235	-3.38	-6.85	-0.70	0.0	2.94e-04	3.90e-04
2934	4	0.01	0.51	-1.52	2.13e-04	9.56e-05	0.0
2934	18	9.58e-03	0.83	-1.31	1.84e-04	8.59e-05	0.0

2934	52	0.01	0.03	-1.51	2.12e-04	9.47e-05	0.0
2934	68	8.16e-03	0.34	-1.06	1.48e-04	6.78e-05	0.0
2934	75	6.71e-03	0.55	-0.92	1.29e-04	6.13e-05	0.0
2934	92	8.52e-03	0.02	-1.05	1.47e-04	6.72e-05	0.0
2934	98	6.96e-03	0.02	-0.86	1.20e-04	5.69e-05	0.0
2934	103	6.44e-03	0.13	-0.81	1.14e-04	5.48e-05	0.0
2934	107	6.55e-03	0.02	-0.81	1.14e-04	5.46e-05	0.0
2934	112	3.87	2.60	-0.90	1.08e-04	1.01e-03	-4.67e-04
2934	124	-0.25	4.55	-0.91	1.16e-04	8.29e-04	1.53e-05
2934	136	2.19	4.78	-0.88	1.19e-04	-1.54e-04	-2.72e-04
2934	144	4.36	2.92	-0.91	1.08e-04	1.13e-03	-5.26e-04
2934	156	-0.28	5.12	-0.93	1.16e-04	9.27e-04	1.78e-05
2934	168	2.47	5.38	-0.89	1.20e-04	-1.80e-04	-3.08e-04
2934	176	4.35	2.90	-0.91	1.09e-04	1.11e-03	-5.29e-04
2934	188	-0.28	5.02	-0.92	1.16e-04	9.09e-04	2.07e-05
2934	200	2.49	5.34	-0.89	1.19e-04	-1.73e-04	-3.17e-04
2934	208	5.10	3.38	-0.93	1.08e-04	1.28e-03	-6.24e-04
2934	220	-0.33	5.83	-0.94	1.16e-04	1.05e-03	2.68e-05
2934	232	2.96	6.23	-0.90	1.20e-04	-2.04e-04	-3.80e-04
2935	4	0.11	0.53	-1.46	0.0	8.98e-05	-5.95e-06
2935	44	0.09	-1.00	-1.22	0.0	7.55e-05	-5.58e-06
2935	68	0.08	0.35	-1.01	0.0	6.30e-05	-4.18e-06
2935	88	0.06	-0.67	-0.86	0.0	5.35e-05	-3.93e-06
2935	98	0.06	-0.02	-0.82	0.0	5.15e-05	-3.92e-06
2935	105	0.06	-0.15	-0.78	0.0	4.88e-05	-3.67e-06
2935	107	0.06	-0.02	-0.78	0.0	4.91e-05	-3.71e-06
2935	112	5.15	3.02	-0.87	0.0	9.38e-04	-4.85e-04
2935	124	-0.32	5.42	-0.88	0.0	7.75e-04	2.05e-05
2935	139	-2.82	-5.79	-0.71	0.0	2.39e-04	2.90e-04
2935	144	5.79	3.41	-0.88	0.0	1.05e-03	-5.47e-04
2935	156	-0.36	6.10	-0.89	0.0	8.66e-04	2.41e-05
2935	171	-3.19	-6.51	-0.70	0.0	2.62e-04	3.28e-04
2935	176	5.76	3.37	-0.88	0.0	1.03e-03	-5.46e-04
2935	188	-0.36	5.99	-0.89	0.0	8.51e-04	2.66e-05
2935	203	-3.20	-6.46	-0.70	0.0	2.56e-04	3.36e-04
2935	208	6.75	3.94	-0.89	0.0	1.20e-03	-6.42e-04
2935	220	-0.43	6.96	-0.91	0.0	9.82e-04	3.47e-05
2935	235	-3.80	-7.54	-0.69	0.0	2.83e-04	4.03e-04
2936	4	0.16	0.54	-1.45	0.0	8.26e-05	-1.48e-05
2936	44	0.13	-1.11	-1.21	0.0	7.14e-05	-1.30e-05
2936	68	0.11	0.36	-1.01	0.0	5.81e-05	-1.03e-05
2936	88	0.09	-0.74	-0.85	0.0	5.06e-05	-9.16e-06
2936	98	0.09	-0.04	-0.82	0.0	4.79e-05	-8.94e-06
2936	105	0.08	-0.18	-0.77	0.0	4.56e-05	-8.40e-06
2936	107	0.09	-0.04	-0.77	0.0	4.57e-05	-8.47e-06
2936	112	5.75	3.24	-0.86	0.0	8.74e-04	-5.13e-04
2936	124	-0.35	5.87	-0.88	0.0	7.23e-04	1.92e-05
2936	139	-3.12	-6.32	-0.71	0.0	2.24e-04	3.03e-04
2936	144	6.47	3.66	-0.87	0.0	9.79e-04	-5.77e-04
2936	156	-0.40	6.61	-0.89	0.0	8.08e-04	2.33e-05
2936	171	-3.53	-7.11	-0.70	0.0	2.46e-04	3.43e-04
2936	176	6.42	3.62	-0.87	0.0	9.63e-04	-5.76e-04
2936	188	-0.40	6.48	-0.89	0.0	7.94e-04	2.58e-05
2936	203	-3.54	-7.05	-0.70	0.0	2.40e-04	3.50e-04
2936	208	7.51	4.23	-0.89	0.0	1.12e-03	-6.75e-04
2936	220	-0.48	7.53	-0.90	0.0	9.16e-04	3.46e-05
2936	235	-4.20	-8.22	-0.68	0.0	2.65e-04	4.21e-04
2937	4	0.20	0.56	-1.45	0.0	7.22e-05	-2.04e-05
2937	44	0.17	-1.21	-1.22	0.0	6.47e-05	-1.78e-05
2937	68	0.14	0.37	-1.01	0.0	5.08e-05	-1.43e-05
2937	88	0.12	-0.81	-0.85	0.0	4.58e-05	-1.25e-05
2937	98	0.11	-0.06	-0.82	0.0	4.26e-05	-1.21e-05
2937	105	0.11	-0.21	-0.77	0.0	4.08e-05	-1.14e-05
2937	107	0.11	-0.06	-0.78	0.0	4.06e-05	-1.15e-05
2937	112	6.30	3.46	-0.86	0.0	7.96e-04	-5.40e-04
2937	124	-0.38	6.32	-0.88	0.0	6.59e-04	1.91e-05
2937	139	-3.41	-6.85	-0.71	0.0	2.05e-04	3.16e-04
2937	144	7.09	3.91	-0.87	0.0	8.91e-04	-6.08e-04
2937	156	-0.44	7.11	-0.89	0.0	7.36e-04	2.35e-05
2937	171	-3.85	-7.70	-0.70	0.0	2.25e-04	3.59e-04
2937	176	7.03	3.86	-0.87	0.0	8.76e-04	-6.05e-04
2937	188	-0.43	6.98	-0.89	0.0	7.23e-04	2.61e-05
2937	203	-3.86	-7.63	-0.70	0.0	2.20e-04	3.66e-04
2937	208	8.22	4.52	-0.89	0.0	1.02e-03	-7.09e-04
2937	220	-0.52	8.11	-0.90	0.0	8.34e-04	3.56e-05

2937	235	-4.57	-8.90	-0.69	0.0	2.43e-04	4.40e-04
2938	4	0.06	0.52	-1.53	0.0	8.81e-05	-3.38e-06
2938	44	0.05	-0.89	-1.28	0.0	7.31e-05	-2.36e-06
2938	68	0.04	0.35	-1.07	0.0	6.19e-05	-2.35e-06
2938	88	0.03	-0.59	-0.90	0.0	5.18e-05	-1.67e-06
2938	98	0.03	-1.55e-03	-0.87	0.0	5.02e-05	-2.09e-06
2938	105	0.03	-0.12	-0.82	0.0	4.76e-05	-1.87e-06
2938	107	0.03	-1.22e-03	-0.82	0.0	4.79e-05	-1.97e-06
2938	112	4.32	2.81	-0.90	0.0	9.91e-04	-4.77e-04
2938	124	-0.29	4.98	-0.92	0.0	8.24e-04	1.73e-05
2938	139	-2.40	-5.26	-0.75	0.0	2.57e-04	2.80e-04
2938	144	4.87	3.16	-0.91	0.0	1.11e-03	-5.37e-04
2938	156	-0.33	5.60	-0.93	0.0	9.21e-04	2.03e-05
2938	171	-2.71	-5.92	-0.74	0.0	2.83e-04	3.17e-04
2938	176	4.84	3.13	-0.91	0.0	1.09e-03	-5.39e-04
2938	188	-0.33	5.50	-0.93	0.0	9.03e-04	2.30e-05
2938	203	-2.72	-5.87	-0.74	0.0	2.76e-04	3.26e-04
2938	208	5.67	3.66	-0.92	0.0	1.26e-03	-6.35e-04
2938	220	-0.39	6.38	-0.95	0.0	1.04e-03	3.00e-05
2938	235	-3.22	-6.86	-0.72	0.0	3.07e-04	3.92e-04
2939	4	0.01	0.51	-1.57	-4.00e-05	9.08e-05	0.0
2939	18	9.97e-03	0.83	-1.36	-3.42e-05	8.15e-05	0.0
2939	52	0.01	0.03	-1.56	-3.93e-05	8.97e-05	0.0
2939	68	8.31e-03	0.34	-1.09	-2.78e-05	6.42e-05	0.0
2939	75	6.98e-03	0.55	-0.95	-2.39e-05	5.80e-05	0.0
2939	92	8.50e-03	0.02	-1.08	-2.73e-05	6.35e-05	0.0
2939	98	6.96e-03	0.02	-0.89	-2.26e-05	5.35e-05	0.0
2939	103	6.49e-03	0.13	-0.84	-2.14e-05	5.15e-05	0.0
2939	107	6.56e-03	0.02	-0.84	-2.12e-05	5.13e-05	0.0
2939	112	3.66	2.60	-0.92	-3.23e-05	1.02e-03	-4.67e-04
2939	124	-0.25	4.55	-0.94	-1.68e-05	8.43e-04	1.53e-05
2939	136	2.08	4.78	-0.91	-1.69e-05	-1.66e-04	-2.72e-04
2939	144	4.13	2.92	-0.93	-3.37e-05	1.14e-03	-5.27e-04
2939	156	-0.29	5.12	-0.95	-1.63e-05	9.42e-04	1.79e-05
2939	168	2.35	5.38	-0.92	-1.64e-05	-1.93e-04	-3.08e-04
2939	176	4.11	2.90	-0.93	-3.37e-05	1.12e-03	-5.30e-04
2939	188	-0.28	5.02	-0.95	-1.68e-05	9.22e-04	2.07e-05
2939	200	2.36	5.34	-0.92	-1.70e-05	-1.87e-04	-3.17e-04
2939	208	4.82	3.39	-0.94	-3.57e-05	1.29e-03	-6.25e-04
2939	220	-0.33	5.83	-0.97	-1.61e-05	1.06e-03	2.68e-05
2939	232	2.79	6.23	-0.94	-1.64e-05	-2.19e-04	-3.81e-04
2940	4	0.11	0.53	-1.52	0.0	8.43e-05	-8.44e-06
2940	44	0.09	-1.00	-1.27	0.0	7.11e-05	-6.31e-06
2940	68	0.07	0.35	-1.06	0.0	5.92e-05	-5.89e-06
2940	88	0.06	-0.67	-0.89	0.0	5.04e-05	-4.47e-06
2940	98	0.06	-0.02	-0.86	0.0	4.84e-05	-4.92e-06
2940	105	0.06	-0.15	-0.81	0.0	4.59e-05	-4.51e-06
2940	107	0.06	-0.02	-0.81	0.0	4.61e-05	-4.66e-06
2940	112	4.97	3.02	-0.89	0.0	9.46e-04	-4.93e-04
2940	124	-0.33	5.42	-0.91	0.0	7.87e-04	1.90e-05
2940	139	-2.73	-5.79	-0.74	0.0	2.46e-04	2.91e-04
2940	144	5.59	3.41	-0.90	0.0	1.06e-03	-5.55e-04
2940	156	-0.38	6.10	-0.92	0.0	8.79e-04	2.25e-05
2940	171	-3.09	-6.51	-0.73	0.0	2.71e-04	3.30e-04
2940	176	5.55	3.37	-0.90	0.0	1.04e-03	-5.55e-04
2940	188	-0.38	5.99	-0.92	0.0	8.62e-04	2.52e-05
2940	203	-3.09	-6.46	-0.73	0.0	2.65e-04	3.38e-04
2940	208	6.49	3.94	-0.92	0.0	1.20e-03	-6.52e-04
2940	220	-0.44	6.96	-0.94	0.0	9.95e-04	3.31e-05
2940	235	-3.66	-7.54	-0.71	0.0	2.94e-04	4.06e-04
2941	4	0.15	0.54	-1.51	0.0	7.87e-05	-1.37e-05
2941	44	0.12	-1.11	-1.27	0.0	6.81e-05	-1.06e-05
2941	68	0.10	0.36	-1.05	0.0	5.53e-05	-9.56e-06
2941	88	0.09	-0.74	-0.89	0.0	4.83e-05	-7.48e-06
2941	98	0.08	-0.04	-0.85	0.0	4.57e-05	-7.89e-06
2941	105	0.08	-0.18	-0.81	0.0	4.35e-05	-7.29e-06
2941	107	0.08	-0.04	-0.81	0.0	4.36e-05	-7.47e-06
2941	112	5.57	3.24	-0.89	0.0	8.79e-04	-5.13e-04
2941	124	-0.37	5.87	-0.91	0.0	7.32e-04	2.02e-05
2941	139	-3.04	-6.32	-0.74	0.0	2.30e-04	3.03e-04
2941	144	6.27	3.66	-0.90	0.0	9.85e-04	-5.77e-04
2941	156	-0.43	6.61	-0.92	0.0	8.19e-04	2.43e-05
2941	171	-3.44	-7.11	-0.73	0.0	2.53e-04	3.44e-04
2941	176	6.21	3.62	-0.90	0.0	9.67e-04	-5.75e-04
2941	188	-0.42	6.48	-0.92	0.0	8.03e-04	2.69e-05

2941	203	-3.43	-7.05	-0.73	0.0	2.48e-04	3.51e-04
2941	208	7.26	4.23	-0.91	0.0	1.12e-03	-6.75e-04
2941	220	-0.50	7.53	-0.94	0.0	9.26e-04	3.57e-05
2941	235	-4.06	-8.22	-0.71	0.0	2.75e-04	4.21e-04
2942	4	0.19	0.56	-1.52	0.0	7.27e-05	-1.60e-05
2942	44	0.16	-1.21	-1.27	0.0	6.49e-05	-1.26e-05
2942	68	0.13	0.37	-1.05	0.0	5.12e-05	-1.11e-05
2942	88	0.11	-0.81	-0.89	0.0	4.60e-05	-8.92e-06
2942	98	0.11	-0.06	-0.86	0.0	4.28e-05	-9.23e-06
2942	105	0.10	-0.21	-0.81	0.0	4.09e-05	-8.57e-06
2942	107	0.10	-0.06	-0.81	0.0	4.08e-05	-8.75e-06
2942	112	6.13	3.46	-0.89	0.0	8.04e-04	-5.31e-04
2942	124	3.84	6.32	-0.91	0.0	6.72e-04	2.28e-05
2942	139	-3.33	-6.85	-0.74	0.0	2.13e-04	3.15e-04
2942	144	6.89	3.91	-0.90	0.0	9.00e-04	-5.98e-04
2942	156	4.31	7.11	-0.92	0.0	7.51e-04	2.74e-05
2942	171	-3.76	-7.70	-0.73	0.0	2.34e-04	3.58e-04
2942	176	6.83	3.86	-0.90	0.0	8.84e-04	-5.95e-04
2942	188	4.27	6.98	-0.92	0.0	7.36e-04	2.99e-05
2942	203	-3.75	-7.63	-0.73	0.0	2.28e-04	3.64e-04
2942	208	7.97	4.52	-0.91	0.0	1.02e-03	-6.96e-04
2942	220	4.97	8.11	-0.94	0.0	8.49e-04	3.96e-05
2942	235	-4.44	-8.90	-0.71	0.0	2.53e-04	4.37e-04
2943	4	0.06	0.52	-1.36	0.0	8.37e-05	-4.41e-06
2943	48	0.04	-0.89	-0.93	0.0	5.63e-05	-2.23e-06
2943	68	0.04	0.35	-0.95	0.0	5.87e-05	-3.06e-06
2943	88	0.03	-0.59	-0.80	0.0	4.96e-05	-2.08e-06
2943	98	0.03	-5.31e-04	-0.77	0.0	4.78e-05	-2.57e-06
2943	102	0.02	0.12	-0.47	0.0	3.26e-05	-1.52e-06
2943	106	0.02	1.43e-03	-0.47	0.0	3.22e-05	-1.54e-06
2943	107	0.03	-2.51e-04	-0.73	0.0	4.56e-05	-2.42e-06
2943	112	4.14	2.81	-0.80	0.0	1.01e-03	-4.68e-04
2943	124	-0.31	4.98	-0.83	0.0	8.40e-04	1.69e-05
2943	139	-2.31	-5.26	-0.64	0.0	2.66e-04	2.75e-04
2943	144	4.66	3.16	-0.81	0.0	1.13e-03	-5.27e-04
2943	156	-0.35	5.60	-0.84	0.0	9.40e-04	1.99e-05
2943	171	-2.60	-5.92	-0.63	0.0	2.93e-04	3.11e-04
2943	176	4.62	3.13	-0.81	0.0	1.10e-03	-5.28e-04
2943	188	-0.34	5.50	-0.84	0.0	9.20e-04	2.26e-05
2943	203	-2.60	-5.87	-0.63	0.0	2.87e-04	3.19e-04
2943	208	5.40	3.66	-0.82	0.0	1.28e-03	-6.22e-04
2943	220	-0.40	6.39	-0.85	0.0	1.06e-03	2.96e-05
2943	235	-3.07	-6.86	-0.62	0.0	3.20e-04	3.83e-04
2944	4	0.01	0.51	-1.35	-2.42e-04	8.60e-05	0.0
2944	18	0.01	0.83	-1.17	-2.08e-04	7.71e-05	0.0
2944	52	0.01	0.03	-1.34	-2.39e-04	8.48e-05	0.0
2944	68	8.29e-03	0.34	-0.94	-1.68e-04	6.07e-05	0.0
2944	75	7.11e-03	0.55	-0.82	-1.45e-04	5.47e-05	0.0
2944	92	8.35e-03	0.02	-0.93	-1.66e-04	5.98e-05	0.0
2944	98	6.84e-03	0.02	-0.76	-1.36e-04	5.02e-05	0.0
2944	103	6.44e-03	0.13	-0.72	-1.28e-04	4.83e-05	0.0
2944	107	6.46e-03	0.02	-0.72	-1.28e-04	4.80e-05	0.0
2944	112	3.46	2.60	-0.79	-1.50e-04	1.03e-03	-4.66e-04
2944	124	-0.26	4.55	-0.82	-1.50e-04	8.56e-04	1.52e-05
2944	136	1.97	4.78	-0.80	-1.41e-04	-1.78e-04	-2.71e-04
2944	144	3.90	2.92	-0.80	-1.53e-04	1.15e-03	-5.25e-04
2944	156	-0.29	5.12	-0.83	-1.53e-04	9.57e-04	1.77e-05
2944	168	2.22	5.38	-0.81	-1.43e-04	-2.06e-04	-3.07e-04
2944	176	3.88	2.90	-0.80	-1.52e-04	1.13e-03	-5.28e-04
2944	188	-0.29	5.03	-0.83	-1.53e-04	9.36e-04	2.05e-05
2944	200	2.23	5.34	-0.81	-1.42e-04	-2.00e-04	-3.16e-04
2944	208	4.54	3.39	-0.81	-1.57e-04	1.30e-03	-6.23e-04
2944	220	-0.34	5.83	-0.85	-1.57e-04	1.08e-03	2.67e-05
2944	232	2.63	6.24	-0.83	-1.45e-04	-2.34e-04	-3.80e-04
2945	4	0.10	0.53	-1.37	0.0	8.05e-05	-8.45e-06
2945	44	0.08	-1.00	-1.15	0.0	6.83e-05	-5.82e-06
2945	68	0.07	0.36	-0.95	0.0	5.66e-05	-5.89e-06
2945	88	0.06	-0.67	-0.80	0.0	4.84e-05	-4.13e-06
2945	98	0.06	-0.02	-0.77	0.0	4.63e-05	-4.76e-06
2945	105	0.05	-0.15	-0.73	0.0	4.40e-05	-4.33e-06
2945	107	0.05	-0.02	-0.73	0.0	4.42e-05	-4.51e-06
2945	113	4.79	-0.17	-0.76	0.0	1.22e-03	-3.93e-04
2945	124	3.00	5.43	-0.83	0.0	8.02e-04	1.91e-05
2945	139	0.74	-5.79	-0.65	0.0	2.54e-04	2.87e-04
2945	145	5.39	-0.18	-0.76	0.0	1.37e-03	-4.42e-04

2945	156	3.37	6.10	-0.84	0.0	8.96e-04	2.27e-05
2945	171	0.82	-6.51	-0.64	0.0	2.80e-04	3.26e-04
2945	177	5.34	-0.18	-0.76	0.0	1.35e-03	-4.40e-04
2945	188	3.33	5.99	-0.84	0.0	8.77e-04	2.53e-05
2945	203	0.79	-6.46	-0.64	0.0	2.75e-04	3.33e-04
2945	209	6.24	-0.20	-0.77	0.0	1.56e-03	-5.15e-04
2945	220	3.88	6.96	-0.86	0.0	1.01e-03	3.33e-05
2945	235	0.88	-7.54	-0.62	0.0	3.06e-04	4.00e-04
2946	4	0.14	0.55	-1.38	0.0	7.67e-05	-1.15e-05
2946	44	0.12	-1.11	-1.16	0.0	6.65e-05	-8.13e-06
2946	68	0.10	0.36	-0.96	0.0	5.39e-05	-8.01e-06
2946	88	0.08	-0.74	-0.81	0.0	4.71e-05	-5.78e-06
2946	98	0.08	-0.04	-0.78	0.0	4.45e-05	-6.45e-06
2946	105	0.08	-0.18	-0.73	0.0	4.24e-05	-5.90e-06
2946	107	0.08	-0.04	-0.74	0.0	4.25e-05	-6.12e-06
2946	113	5.41	-0.24	-0.77	0.0	1.14e-03	-4.06e-04
2946	124	3.40	5.87	-0.83	0.0	7.47e-04	2.18e-05
2946	139	0.87	-6.32	-0.66	0.0	2.38e-04	3.00e-04
2946	145	6.08	-0.26	-0.77	0.0	1.28e-03	-4.57e-04
2946	156	3.82	6.61	-0.84	0.0	8.35e-04	2.59e-05
2946	171	0.96	-7.11	-0.65	0.0	2.63e-04	3.41e-04
2946	177	6.01	-0.25	-0.77	0.0	1.25e-03	-4.54e-04
2946	188	3.77	6.48	-0.84	0.0	8.17e-04	2.84e-05
2946	203	0.93	-7.05	-0.65	0.0	2.57e-04	3.47e-04
2946	209	7.02	-0.28	-0.78	0.0	1.45e-03	-5.30e-04
2946	220	4.39	7.53	-0.86	0.0	9.42e-04	3.73e-05
2946	235	1.03	-8.22	-0.63	0.0	2.86e-04	4.17e-04
2947	4	0.18	0.56	-1.39	0.0	7.31e-05	-1.24e-05
2947	44	0.15	-1.21	-1.17	0.0	6.49e-05	-9.07e-06
2947	68	0.13	0.37	-0.97	0.0	5.14e-05	-8.70e-06
2947	88	0.11	-0.81	-0.82	0.0	4.59e-05	-6.44e-06
2947	98	0.10	-0.06	-0.79	0.0	4.29e-05	-7.06e-06
2947	105	0.10	-0.21	-0.74	0.0	4.10e-05	-6.48e-06
2947	107	0.10	-0.06	-0.74	0.0	4.09e-05	-6.70e-06
2947	113	5.97	-0.30	-0.77	0.0	1.05e-03	-4.17e-04
2947	124	3.77	6.32	-0.84	0.0	6.89e-04	2.57e-05
2947	139	0.99	-6.84	-0.67	0.0	2.21e-04	3.13e-04
2947	145	6.71	-0.33	-0.78	0.0	1.17e-03	-4.69e-04
2947	156	4.24	7.11	-0.85	0.0	7.70e-04	3.03e-05
2947	171	1.10	-7.70	-0.66	0.0	2.44e-04	3.54e-04
2947	177	6.64	-0.33	-0.78	0.0	1.15e-03	-4.64e-04
2947	188	4.18	6.98	-0.85	0.0	7.53e-04	3.27e-05
2947	203	1.06	-7.63	-0.66	0.0	2.39e-04	3.60e-04
2947	209	7.74	-0.36	-0.78	0.0	1.33e-03	-5.42e-04
2947	220	4.86	8.11	-0.87	0.0	8.69e-04	4.26e-05
2947	235	1.18	-8.90	-0.64	0.0	2.65e-04	4.32e-04
2948	4	0.05	0.53	-0.92	0.0	8.00e-05	-3.97e-06
2948	48	0.04	-0.89	-0.62	0.0	5.44e-05	-2.07e-06
2948	68	0.04	0.35	-0.64	0.0	5.62e-05	-2.76e-06
2948	88	0.03	-0.59	-0.53	0.0	4.79e-05	-1.93e-06
2948	98	0.03	-2.22e-04	-0.52	0.0	4.59e-05	-2.35e-06
2948	102	0.02	0.12	-0.32	0.0	3.13e-05	-1.40e-06
2948	106	0.02	1.74e-03	-0.32	0.0	3.10e-05	-1.44e-06
2948	107	0.03	5.83e-05	-0.49	0.0	4.38e-05	-2.22e-06
2948	113	3.97	-0.09	-0.50	0.0	1.31e-03	-3.55e-04
2948	124	2.49	4.99	-0.59	0.0	8.60e-04	1.83e-05
2948	136	-0.56	5.26	-0.59	0.0	-1.88e-04	-2.65e-04
2948	145	4.46	-0.11	-0.50	0.0	1.47e-03	-4.00e-04
2948	156	2.80	5.61	-0.60	0.0	9.62e-04	2.14e-05
2948	168	-0.63	5.92	-0.60	0.0	-2.17e-04	-3.00e-04
2948	177	4.42	-0.10	-0.50	0.0	1.44e-03	-3.98e-04
2948	188	2.76	5.50	-0.60	0.0	9.40e-04	2.39e-05
2948	200	-0.60	5.87	-0.60	0.0	-2.11e-04	-3.06e-04
2948	209	5.16	-0.11	-0.50	0.0	1.67e-03	-4.67e-04
2948	224	2.98	6.43	-0.62	0.0	9.75e-04	1.65e-05
2948	232	-0.68	6.86	-0.62	0.0	-2.46e-04	-3.67e-04
2949	4	0.10	0.54	-1.01	0.0	7.79e-05	-7.12e-06
2949	44	0.08	-1.00	-0.84	0.0	6.65e-05	-4.75e-06
2949	68	0.07	0.36	-0.70	0.0	5.47e-05	-4.96e-06
2949	88	0.06	-0.67	-0.59	0.0	4.71e-05	-3.38e-06
2949	98	0.06	-0.02	-0.57	0.0	4.49e-05	-4.01e-06
2949	105	0.05	-0.15	-0.54	0.0	4.27e-05	-3.62e-06
2949	107	0.05	-0.02	-0.54	0.0	4.28e-05	-3.80e-06
2949	113	4.63	-0.17	-0.55	0.0	1.24e-03	-3.83e-04
2949	124	2.93	5.43	-0.63	0.0	8.15e-04	2.01e-05

2949	139	0.76	-5.79	-0.45	0.0	2.63e-04	2.82e-04
2949	145	5.21	-0.18	-0.55	0.0	1.39e-03	-4.31e-04
2949	156	3.29	6.10	-0.65	0.0	9.12e-04	2.37e-05
2949	171	0.84	-6.51	-0.44	0.0	2.90e-04	3.19e-04
2949	177	5.15	-0.18	-0.55	0.0	1.36e-03	-4.29e-04
2949	188	3.24	5.99	-0.64	0.0	8.91e-04	2.62e-05
2949	203	0.81	-6.46	-0.44	0.0	2.84e-04	3.26e-04
2949	209	6.00	-0.19	-0.56	0.0	1.57e-03	-5.02e-04
2949	220	3.77	6.96	-0.66	0.0	1.03e-03	3.42e-05
2949	235	0.91	-7.54	-0.42	0.0	3.18e-04	3.92e-04
2950	4	0.14	0.55	-1.08	0.0	7.55e-05	-9.08e-06
2950	44	0.12	-1.11	-0.90	0.0	6.55e-05	-6.09e-06
2950	68	0.10	0.36	-0.75	0.0	5.31e-05	-6.33e-06
2950	88	0.08	-0.74	-0.63	0.0	4.64e-05	-4.34e-06
2950	98	0.08	-0.04	-0.61	0.0	4.38e-05	-5.07e-06
2950	105	0.07	-0.18	-0.57	0.0	4.18e-05	-4.60e-06
2950	107	0.07	-0.04	-0.58	0.0	4.18e-05	-4.81e-06
2950	113	5.25	-0.24	-0.59	0.0	1.16e-03	-3.98e-04
2950	124	3.34	5.87	-0.66	0.0	7.61e-04	2.34e-05
2950	139	0.89	-6.32	-0.49	0.0	2.47e-04	2.96e-04
2950	145	5.91	-0.26	-0.59	0.0	1.30e-03	-4.47e-04
2950	156	3.75	6.61	-0.68	0.0	8.51e-04	2.75e-05
2950	171	0.99	-7.11	-0.48	0.0	2.72e-04	3.35e-04
2950	177	5.83	-0.25	-0.59	0.0	1.27e-03	-4.44e-04
2950	188	3.69	6.48	-0.67	0.0	8.31e-04	3.00e-05
2950	203	0.96	-7.05	-0.48	0.0	2.67e-04	3.42e-04
2950	209	6.79	-0.28	-0.59	0.0	1.46e-03	-5.18e-04
2950	220	4.29	7.53	-0.69	0.0	9.58e-04	3.89e-05
2950	235	1.07	-8.22	-0.47	0.0	2.98e-04	4.10e-04
2951	4	0.18	0.56	-1.13	0.0	7.33e-05	-9.59e-06
2951	44	0.15	-1.21	-0.95	0.0	6.48e-05	-6.59e-06
2951	68	0.12	0.37	-0.79	0.0	5.16e-05	-6.70e-06
2951	88	0.11	-0.81	-0.67	0.0	4.59e-05	-4.70e-06
2951	98	0.10	-0.06	-0.64	0.0	4.29e-05	-5.41e-06
2951	105	0.10	-0.21	-0.60	0.0	4.10e-05	-4.92e-06
2951	107	0.10	-0.06	-0.61	0.0	4.09e-05	-5.13e-06
2951	113	5.83	-0.30	-0.62	0.0	1.07e-03	-4.09e-04
2951	124	3.72	6.32	-0.69	0.0	7.05e-04	2.76e-05
2951	139	1.02	-6.84	-0.53	0.0	2.30e-04	3.09e-04
2951	145	6.56	-0.33	-0.62	0.0	1.20e-03	-4.60e-04
2951	156	4.17	7.11	-0.70	0.0	7.89e-04	3.23e-05
2951	171	1.13	-7.70	-0.52	0.0	2.54e-04	3.50e-04
2951	177	6.46	-0.33	-0.62	0.0	1.17e-03	-4.55e-04
2951	188	4.11	6.98	-0.70	0.0	7.71e-04	3.47e-05
2951	203	1.09	-7.63	-0.52	0.0	2.49e-04	3.56e-04
2951	209	7.53	-0.36	-0.63	0.0	1.35e-03	-5.31e-04
2951	220	4.77	8.11	-0.72	0.0	8.88e-04	4.45e-05
2951	235	1.22	-8.90	-0.50	0.0	2.78e-04	4.26e-04
2952	28	0.01	-0.45	-0.32	0.0	7.60e-06	0.0
2952	44	0.01	-0.70	-0.30	0.0	6.66e-06	0.0
2952	52	0.01	-0.07	-0.31	0.0	7.73e-06	0.0
2952	80	9.61e-03	-0.31	-0.23	0.0	5.40e-06	0.0
2952	88	7.78e-03	-0.47	-0.21	0.0	4.77e-06	0.0
2952	92	0.01	-0.05	-0.22	0.0	5.48e-06	0.0
2952	98	8.44e-03	-0.04	-0.18	0.0	4.66e-06	0.0
2952	105	7.76e-03	-0.12	-0.18	0.0	4.44e-06	0.0
2952	107	7.97e-03	-0.04	-0.17	0.0	4.47e-06	0.0
2952	112	5.03	-2.27	-0.23	0.0	1.65e-03	-4.16e-04
2952	129	2.80	-4.99	-0.42	0.0	9.22e-04	-2.47e-04
2952	144	5.67	-2.56	-0.24	0.0	1.86e-03	-4.69e-04
2952	161	3.17	-5.62	-0.45	0.0	1.04e-03	-2.80e-04
2952	176	5.70	-2.57	-0.24	0.0	1.87e-03	-4.70e-04
2952	193	3.24	-5.64	-0.45	0.0	1.07e-03	-2.87e-04
2952	208	6.72	-3.02	-0.25	0.0	2.20e-03	-5.54e-04
2952	225	3.87	-6.65	-0.50	0.0	1.27e-03	-3.44e-04
2953	4	0.24	0.57	-1.21	0.0	5.37e-05	-1.34e-05
2953	44	0.20	-1.30	-1.01	0.0	5.10e-05	-1.44e-05
2953	68	0.17	0.38	-0.84	0.0	3.80e-05	-9.46e-06
2953	88	0.14	-0.87	-0.71	0.0	3.62e-05	-1.01e-05
2953	98	0.14	-0.08	-0.68	0.0	3.27e-05	-8.96e-06
2953	105	0.13	-0.23	-0.64	0.0	3.16e-05	-8.63e-06
2953	107	0.13	-0.07	-0.65	0.0	3.13e-05	-8.52e-06
2953	108	5.54	3.55	-0.75	0.0	8.91e-04	-4.34e-04
2953	112	6.96	3.68	-0.74	0.0	7.01e-04	-5.42e-04
2953	139	-3.74	-7.35	-0.59	0.0	1.76e-04	3.25e-04

2953	140	6.23	4.00	-0.76	0.0	9.99e-04	-4.87e-04
2953	144	7.83	4.15	-0.75	0.0	7.85e-04	-6.10e-04
2953	171	-4.23	-8.26	-0.59	0.0	1.94e-04	3.69e-04
2953	172	6.20	3.94	-0.76	0.0	9.83e-04	-4.82e-04
2953	176	7.78	4.10	-0.75	0.0	7.73e-04	-6.06e-04
2953	203	-4.24	-8.19	-0.58	0.0	1.89e-04	3.74e-04
2953	204	7.24	4.60	-0.78	0.0	1.14e-03	-5.62e-04
2953	208	9.10	4.80	-0.76	0.0	8.97e-04	-7.09e-04
2953	235	-5.04	-9.55	-0.57	0.0	2.09e-04	4.49e-04
2954	28	2.37e-03	-0.08	-0.05	0.0	4.48e-06	0.0
2954	44	1.87e-03	-0.13	-0.04	0.0	3.53e-06	0.0
2954	52	2.54e-03	-0.02	-0.05	0.0	4.80e-06	0.0
2954	80	1.64e-03	-0.06	-0.03	0.0	3.11e-06	0.0
2954	88	1.31e-03	-0.09	-0.03	0.0	2.47e-06	0.0
2954	92	1.75e-03	-0.01	-0.03	0.0	3.32e-06	0.0
2954	98	1.43e-03	-0.01	-0.03	0.0	2.71e-06	0.0
2954	105	1.31e-03	-0.02	-0.03	0.0	2.48e-06	0.0
2954	107	1.34e-03	-0.01	-0.03	0.0	2.55e-06	0.0
2954	112	0.91	-0.40	-0.03	0.0	1.73e-03	-7.24e-05
2954	129	0.51	-0.87	-0.06	0.0	9.63e-04	-4.38e-05
2954	144	1.03	-0.45	-0.04	0.0	1.95e-03	-8.16e-05
2954	161	0.57	-0.98	-0.07	0.0	1.09e-03	-4.95e-05
2954	176	1.04	-0.45	-0.04	0.0	1.96e-03	-8.18e-05
2954	193	0.59	-0.99	-0.07	0.0	1.11e-03	-5.07e-05
2954	208	1.22	-0.53	-0.04	0.0	2.31e-03	-9.63e-05
2954	225	0.70	-1.16	-0.07	0.0	1.33e-03	-6.08e-05
2955	4	0.26	0.62	-1.22	0.0	5.09e-05	7.38e-06
2955	44	0.23	-1.37	-1.02	0.0	4.91e-05	2.83e-06
2955	68	0.18	0.41	-0.85	0.0	3.60e-05	4.92e-06
2955	88	0.16	-0.92	-0.72	0.0	3.49e-05	1.88e-06
2955	98	0.15	-0.08	-0.69	0.0	3.12e-05	2.59e-06
2955	105	0.14	-0.24	-0.65	0.0	3.02e-05	2.18e-06
2955	107	0.14	-0.07	-0.65	0.0	2.98e-05	2.35e-06
2955	108	5.86	3.78	-0.75	0.0	7.85e-04	-4.48e-04
2955	112	7.36	3.93	-0.74	0.0	6.18e-04	-5.61e-04
2955	139	-3.95	-7.87	-0.61	0.0	1.58e-04	3.50e-04
2955	140	6.58	4.27	-0.76	0.0	8.80e-04	-5.05e-04
2955	144	8.28	4.43	-0.75	0.0	6.92e-04	-6.33e-04
2955	171	-4.47	-8.85	-0.60	0.0	1.73e-04	3.95e-04
2955	172	6.54	4.20	-0.76	0.0	8.66e-04	-5.01e-04
2955	176	8.22	4.38	-0.75	0.0	6.81e-04	-6.30e-04
2955	203	-4.48	-8.77	-0.60	0.0	1.69e-04	4.02e-04
2955	204	7.65	4.90	-0.78	0.0	1.00e-03	-5.87e-04
2955	208	9.61	5.12	-0.77	0.0	7.89e-04	-7.40e-04
2955	235	-5.32	-10.23	-0.59	0.0	1.87e-04	4.80e-04
2956	1	0.0	0.0	0.0	0.0	1.34e-06	0.0
2956	65	0.0	0.0	0.0	0.0	1.01e-06	0.0
2956	97	0.0	0.0	0.0	0.0	1.56e-06	0.0
2956	106	0.0	0.0	0.0	0.0	1.56e-06	0.0
2956	108	0.0	0.0	0.0	0.0	1.41e-03	-3.63e-06
2956	140	0.0	0.0	0.0	0.0	1.59e-03	-4.09e-06
2956	172	0.0	0.0	0.0	0.0	1.60e-03	-4.09e-06
2956	204	0.0	0.0	0.0	0.0	1.88e-03	-4.80e-06
2957	4	0.29	0.54	-1.24	0.0	1.14e-04	-4.09e-06
2957	44	0.25	-1.50	-1.05	0.0	9.47e-05	-4.00e-06
2957	52	0.29	-0.23	-1.23	0.0	1.13e-04	-5.05e-06
2957	68	0.20	0.35	-0.86	0.0	7.96e-05	-2.93e-06
2957	88	0.18	-1.01	-0.74	0.0	6.65e-05	-2.86e-06
2957	92	0.20	-0.16	-0.86	0.0	7.84e-05	-3.56e-06
2957	98	0.17	-0.13	-0.70	0.0	6.36e-05	-2.98e-06
2957	105	0.16	-0.30	-0.66	0.0	5.99e-05	-2.78e-06
2957	107	0.16	-0.13	-0.67	0.0	6.03e-05	-2.85e-06
2957	108	6.14	3.89	-0.76	0.0	5.66e-04	-4.20e-04
2957	112	7.72	4.04	-0.76	0.0	4.53e-04	-5.36e-04
2957	139	-4.13	-8.27	-0.62	0.0	1.40e-04	3.41e-04
2957	140	6.90	4.39	-0.77	0.0	6.29e-04	-4.72e-04
2957	144	8.68	4.56	-0.77	0.0	5.02e-04	-6.03e-04
2957	171	-4.68	-9.29	-0.61	0.0	1.50e-04	3.85e-04
2957	172	6.86	4.32	-0.77	0.0	6.19e-04	-4.63e-04
2957	176	8.62	4.51	-0.77	0.0	4.94e-04	-5.93e-04
2957	203	-4.68	-9.21	-0.61	0.0	1.48e-04	3.87e-04
2957	204	8.01	5.05	-0.79	0.0	7.11e-04	-5.37e-04
2957	208	10.07	5.28	-0.78	0.0	5.66e-04	-6.91e-04
2957	235	-5.56	-10.73	-0.60	0.0	1.59e-04	4.60e-04
2958	4	0.23	0.57	-1.46	0.0	6.31e-05	-1.41e-05

2958	44	0.20	-1.30	-1.22	0.0	5.87e-05	-1.28e-05
2958	68	0.16	0.37	-1.02	0.0	4.45e-05	-9.89e-06
2958	88	0.14	-0.87	-0.86	0.0	4.16e-05	-9.02e-06
2958	98	0.13	-0.08	-0.82	0.0	3.79e-05	-8.70e-06
2958	105	0.13	-0.23	-0.78	0.0	3.64e-05	-8.21e-06
2958	107	0.13	-0.08	-0.78	0.0	3.62e-05	-8.27e-06
2958	112	6.78	3.68	-0.87	0.0	7.18e-04	-5.50e-04
2958	124	-0.41	6.75	-0.88	0.0	5.95e-04	2.59e-05
2958	139	-3.65	-7.35	-0.71	0.0	1.87e-04	3.29e-04
2958	144	7.62	4.15	-0.88	0.0	8.05e-04	-6.19e-04
2958	156	-0.48	7.60	-0.89	0.0	6.65e-04	3.08e-05
2958	171	-4.13	-8.26	-0.70	0.0	2.05e-04	3.73e-04
2958	176	7.56	4.10	-0.88	0.0	7.91e-04	-6.15e-04
2958	188	-0.47	7.46	-0.89	0.0	6.53e-04	3.35e-05
2958	203	-4.13	-8.19	-0.70	0.0	2.00e-04	3.79e-04
2958	208	8.83	4.80	-0.89	0.0	9.16e-04	-7.21e-04
2958	220	-0.56	8.67	-0.91	0.0	7.54e-04	4.39e-05
2958	235	-4.90	-9.55	-0.69	0.0	2.22e-04	4.55e-04
2959	4	0.26	0.60	-1.48	0.0	5.74e-05	-3.27e-06
2959	44	0.22	-1.38	-1.24	0.0	5.49e-05	-4.04e-06
2959	68	0.18	0.39	-1.03	0.0	4.05e-05	-2.40e-06
2959	88	0.16	-0.93	-0.87	0.0	3.89e-05	-2.92e-06
2959	98	0.15	-0.09	-0.84	0.0	3.49e-05	-2.74e-06
2959	105	0.14	-0.25	-0.79	0.0	3.37e-05	-2.64e-06
2959	107	0.14	-0.08	-0.79	0.0	3.34e-05	-2.65e-06
2959	112	7.20	3.91	-0.88	0.0	6.60e-04	-5.46e-04
2959	124	-0.43	7.20	-0.89	0.0	5.47e-04	3.72e-05
2959	139	-3.87	-7.86	-0.72	0.0	1.73e-04	3.39e-04
2959	144	8.09	4.41	-0.89	0.0	7.40e-04	-6.15e-04
2959	156	-0.51	8.11	-0.91	0.0	6.12e-04	4.28e-05
2959	171	-4.38	-8.84	-0.71	0.0	1.91e-04	3.83e-04
2959	176	8.02	4.36	-0.89	0.0	7.27e-04	-6.09e-04
2959	188	-0.49	7.96	-0.90	0.0	6.00e-04	4.53e-05
2959	203	-4.37	-8.76	-0.71	0.0	1.86e-04	3.88e-04
2959	208	9.37	5.10	-0.91	0.0	8.41e-04	-7.13e-04
2959	220	-0.60	9.25	-0.92	0.0	6.93e-04	5.68e-05
2959	235	-5.19	-10.21	-0.70	0.0	2.06e-04	4.64e-04
2960	4	0.29	0.54	-1.53	0.0	1.02e-04	-4.40e-06
2960	44	0.25	-1.50	-1.29	0.0	8.60e-05	-4.05e-06
2960	68	0.20	0.36	-1.07	0.0	7.11e-05	-3.13e-06
2960	88	0.18	-1.01	-0.91	0.0	6.04e-05	-2.89e-06
2960	98	0.17	-0.13	-0.86	0.0	5.70e-05	-3.07e-06
2960	105	0.16	-0.30	-0.82	0.0	5.38e-05	-2.85e-06
2960	107	0.16	-0.13	-0.82	0.0	5.41e-05	-2.93e-06
2960	112	7.60	4.04	-0.91	0.0	4.73e-04	-5.36e-04
2960	124	-0.46	7.49	-0.92	0.0	4.05e-04	4.69e-05
2960	139	-4.08	-8.27	-0.75	0.0	1.47e-04	3.41e-04
2960	144	8.54	4.56	-0.92	0.0	5.26e-04	-6.03e-04
2960	156	-0.53	8.44	-0.94	0.0	4.49e-04	5.36e-05
2960	171	-4.61	-9.29	-0.74	0.0	1.59e-04	3.85e-04
2960	176	8.46	4.51	-0.92	0.0	5.16e-04	-5.93e-04
2960	188	-0.52	8.28	-0.93	0.0	4.40e-04	5.56e-05
2960	203	-4.60	-9.21	-0.74	0.0	1.57e-04	3.86e-04
2960	208	9.88	5.28	-0.94	0.0	5.92e-04	-6.91e-04
2960	220	-0.63	9.63	-0.95	0.0	5.02e-04	6.86e-05
2960	235	-5.46	-10.73	-0.72	0.0	1.71e-04	4.60e-04
2961	4	0.22	0.57	-1.53	0.0	6.74e-05	-1.30e-05
2961	44	0.19	-1.30	-1.28	0.0	6.19e-05	-1.06e-05
2961	68	0.16	0.37	-1.06	0.0	4.75e-05	-9.11e-06
2961	88	0.13	-0.87	-0.90	0.0	4.38e-05	-7.48e-06
2961	98	0.13	-0.08	-0.86	0.0	4.02e-05	-7.70e-06
2961	105	0.12	-0.23	-0.81	0.0	3.86e-05	-7.17e-06
2961	107	0.12	-0.08	-0.82	0.0	3.84e-05	-7.32e-06
2961	113	6.61	-0.36	-0.86	0.0	9.44e-04	-4.31e-04
2961	124	4.16	6.75	-0.91	0.0	6.18e-04	2.85e-05
2961	139	1.06	-7.35	-0.74	0.0	1.97e-04	3.26e-04
2961	145	7.43	-0.40	-0.87	0.0	1.06e-03	-4.84e-04
2961	156	4.67	7.60	-0.93	0.0	6.91e-04	3.35e-05
2961	171	1.18	-8.26	-0.73	0.0	2.17e-04	3.69e-04
2961	177	7.36	-0.40	-0.87	0.0	1.04e-03	-4.79e-04
2961	188	4.62	7.45	-0.93	0.0	6.77e-04	3.60e-05
2961	203	1.14	-8.19	-0.73	0.0	2.12e-04	3.75e-04
2961	209	8.59	-0.44	-0.87	0.0	1.20e-03	-5.58e-04
2961	220	5.37	8.66	-0.94	0.0	7.81e-04	4.66e-05
2961	235	1.26	-9.55	-0.72	0.0	2.35e-04	4.49e-04

2962	4	0.26	0.58	-1.55	0.0	6.27e-05	-7.49e-06
2962	44	0.22	-1.39	-1.31	0.0	5.91e-05	-6.46e-06
2962	68	0.18	0.38	-1.08	0.0	4.43e-05	-5.29e-06
2962	88	0.16	-0.93	-0.92	0.0	4.18e-05	-4.61e-06
2962	98	0.15	-0.09	-0.88	0.0	3.78e-05	-4.75e-06
2962	105	0.14	-0.25	-0.83	0.0	3.65e-05	-4.43e-06
2962	107	0.14	-0.09	-0.83	0.0	3.61e-05	-4.53e-06
2962	113	7.05	-0.42	-0.88	0.0	8.85e-04	-4.26e-04
2962	124	4.45	7.18	-0.93	0.0	5.79e-04	3.72e-05
2962	139	1.16	-7.85	-0.76	0.0	1.86e-04	3.34e-04
2962	145	7.93	-0.46	-0.88	0.0	9.92e-04	-4.80e-04
2962	156	4.99	8.09	-0.94	0.0	6.47e-04	4.30e-05
2962	171	1.28	-8.82	-0.75	0.0	2.05e-04	3.78e-04
2962	177	7.85	-0.46	-0.88	0.0	9.73e-04	-4.72e-04
2962	188	4.93	7.93	-0.94	0.0	6.35e-04	4.53e-05
2962	203	1.24	-8.75	-0.75	0.0	2.00e-04	3.82e-04
2962	209	9.15	-0.52	-0.89	0.0	1.13e-03	-5.50e-04
2962	220	5.74	9.22	-0.96	0.0	7.32e-04	5.69e-05
2962	235	1.37	-10.20	-0.73	0.0	2.22e-04	4.56e-04
2963	4	0.28	0.54	-1.62	0.0	9.17e-05	-4.46e-06
2963	44	0.25	-1.50	-1.36	0.0	7.81e-05	-4.30e-06
2963	68	0.20	0.36	-1.12	0.0	6.39e-05	-3.17e-06
2963	88	0.18	-1.01	-0.96	0.0	5.48e-05	-3.07e-06
2963	98	0.17	-0.13	-0.91	0.0	5.13e-05	-3.15e-06
2963	105	0.16	-0.30	-0.86	0.0	4.85e-05	-2.94e-06
2963	107	0.16	-0.13	-0.86	0.0	4.87e-05	-3.01e-06
2963	113	7.48	-0.49	-0.91	0.0	6.33e-04	-4.20e-04
2963	124	4.73	7.50	-0.96	0.0	4.27e-04	4.66e-05
2963	139	1.25	-8.27	-0.79	0.0	1.55e-04	3.40e-04
2963	145	8.40	-0.54	-0.91	0.0	7.06e-04	-4.73e-04
2963	156	5.30	8.44	-0.97	0.0	4.75e-04	5.33e-05
2963	171	1.38	-9.29	-0.78	0.0	1.68e-04	3.85e-04
2963	177	8.31	-0.54	-0.91	0.0	6.91e-04	-4.63e-04
2963	188	5.24	8.28	-0.97	0.0	4.64e-04	5.53e-05
2963	203	1.33	-9.21	-0.78	0.0	1.66e-04	3.86e-04
2963	209	9.69	-0.60	-0.92	0.0	7.95e-04	-5.38e-04
2963	220	6.09	9.64	-0.99	0.0	5.31e-04	6.84e-05
2963	235	1.48	-10.73	-0.77	0.0	1.82e-04	4.60e-04
2964	4	0.22	0.57	-1.42	0.0	6.98e-05	-1.10e-05
2964	44	0.19	-1.30	-1.19	0.0	6.34e-05	-8.28e-06
2964	68	0.15	0.37	-0.99	0.0	4.92e-05	-7.69e-06
2964	88	0.13	-0.87	-0.84	0.0	4.49e-05	-5.89e-06
2964	98	0.13	-0.08	-0.80	0.0	4.14e-05	-6.38e-06
2964	105	0.12	-0.23	-0.75	0.0	3.97e-05	-5.87e-06
2964	107	0.12	-0.08	-0.76	0.0	3.95e-05	-6.06e-06
2964	113	6.47	-0.36	-0.79	0.0	9.70e-04	-4.22e-04
2964	124	4.10	6.74	-0.85	0.0	6.40e-04	3.10e-05
2964	139	1.09	-7.35	-0.68	0.0	2.07e-04	3.23e-04
2964	145	7.27	-0.40	-0.79	0.0	1.09e-03	-4.74e-04
2964	156	4.60	7.59	-0.86	0.0	7.15e-04	3.62e-05
2964	171	1.21	-8.26	-0.67	0.0	2.28e-04	3.65e-04
2964	177	7.18	-0.40	-0.79	0.0	1.07e-03	-4.68e-04
2964	188	4.54	7.45	-0.86	0.0	7.00e-04	3.85e-05
2964	203	1.17	-8.19	-0.67	0.0	2.23e-04	3.70e-04
2964	209	8.37	-0.44	-0.80	0.0	1.23e-03	-5.45e-04
2964	220	5.28	8.66	-0.88	0.0	8.06e-04	4.93e-05
2964	235	1.31	-9.55	-0.65	0.0	2.48e-04	4.43e-04
2965	4	0.25	0.58	-1.46	0.0	6.70e-05	-7.73e-06
2965	44	0.22	-1.39	-1.23	0.0	6.19e-05	-6.21e-06
2965	68	0.18	0.38	-1.01	0.0	4.72e-05	-5.44e-06
2965	88	0.15	-0.93	-0.86	0.0	4.39e-05	-4.43e-06
2965	98	0.15	-0.10	-0.82	0.0	4.01e-05	-4.73e-06
2965	105	0.14	-0.26	-0.78	0.0	3.85e-05	-4.37e-06
2965	107	0.14	-0.09	-0.78	0.0	3.82e-05	-4.51e-06
2965	113	6.93	-0.42	-0.81	0.0	9.16e-04	-4.22e-04
2965	124	4.40	7.17	-0.87	0.0	6.05e-04	3.82e-05
2965	139	1.19	-7.84	-0.70	0.0	1.97e-04	3.32e-04
2965	145	7.78	-0.46	-0.81	0.0	1.03e-03	-4.74e-04
2965	156	4.94	8.07	-0.88	0.0	6.76e-04	4.41e-05
2965	171	1.32	-8.81	-0.69	0.0	2.16e-04	3.75e-04
2965	177	7.69	-0.46	-0.81	0.0	1.01e-03	-4.66e-04
2965	188	4.87	7.92	-0.88	0.0	6.62e-04	4.63e-05
2965	203	1.28	-8.74	-0.69	0.0	2.12e-04	3.78e-04
2965	209	8.95	-0.52	-0.82	0.0	1.16e-03	-5.43e-04
2965	220	5.66	9.20	-0.90	0.0	7.63e-04	5.81e-05

2965	235	1.42	-10.19	-0.68	0.0	2.35e-04	4.52e-04
2966	4	0.28	0.55	-1.55	0.0	8.30e-05	-4.17e-06
2966	44	0.25	-1.50	-1.31	0.0	7.00e-05	-4.50e-06
2966	68	0.20	0.36	-1.08	0.0	5.78e-05	-2.98e-06
2966	88	0.18	-1.01	-0.92	0.0	4.90e-05	-3.20e-06
2966	98	0.16	-0.13	-0.87	0.0	4.60e-05	-3.12e-06
2966	105	0.16	-0.30	-0.82	0.0	4.34e-05	-2.95e-06
2966	107	0.16	-0.13	-0.83	0.0	4.36e-05	-2.99e-06
2966	113	7.37	-0.49	-0.86	0.0	6.52e-04	-4.21e-04
2966	124	4.69	7.50	-0.92	0.0	4.39e-04	4.64e-05
2966	139	1.29	-8.27	-0.75	0.0	1.57e-04	3.40e-04
2966	145	8.28	-0.54	-0.86	0.0	7.29e-04	-4.73e-04
2966	156	5.26	8.44	-0.93	0.0	4.88e-04	5.31e-05
2966	171	1.43	-9.29	-0.74	0.0	1.71e-04	3.84e-04
2966	177	8.17	-0.54	-0.86	0.0	7.11e-04	-4.63e-04
2966	188	5.19	8.29	-0.93	0.0	4.76e-04	5.51e-05
2966	203	1.38	-9.21	-0.74	0.0	1.69e-04	3.86e-04
2966	209	9.51	-0.60	-0.87	0.0	8.18e-04	-5.38e-04
2966	220	6.03	9.64	-0.94	0.0	5.45e-04	6.81e-05
2966	235	1.54	-10.73	-0.73	0.0	1.87e-04	4.60e-04
2967	4	0.21	0.57	-1.19	0.0	7.15e-05	-8.72e-06
2967	44	0.18	-1.30	-1.00	0.0	6.42e-05	-6.28e-06
2967	68	0.15	0.37	-0.83	0.0	5.03e-05	-6.10e-06
2967	88	0.13	-0.87	-0.70	0.0	4.55e-05	-4.48e-06
2967	98	0.12	-0.08	-0.67	0.0	4.22e-05	-5.05e-06
2967	105	0.12	-0.23	-0.63	0.0	4.04e-05	-4.61e-06
2967	107	0.12	-0.08	-0.64	0.0	4.02e-05	-4.80e-06
2967	113	6.34	-0.36	-0.65	0.0	9.93e-04	-4.15e-04
2967	124	4.05	6.74	-0.72	0.0	6.59e-04	3.28e-05
2967	139	1.13	-7.35	-0.56	0.0	2.16e-04	3.20e-04
2967	145	7.12	-0.40	-0.65	0.0	1.11e-03	-4.67e-04
2967	156	4.55	7.59	-0.73	0.0	7.36e-04	3.80e-05
2967	171	1.25	-8.26	-0.55	0.0	2.38e-04	3.62e-04
2967	177	7.02	-0.40	-0.65	0.0	1.09e-03	-4.61e-04
2967	188	4.47	7.45	-0.73	0.0	7.20e-04	4.03e-05
2967	203	1.21	-8.19	-0.55	0.0	2.34e-04	3.67e-04
2967	209	8.17	-0.44	-0.66	0.0	1.26e-03	-5.37e-04
2967	220	5.19	8.66	-0.74	0.0	8.29e-04	5.11e-05
2967	235	1.35	-9.55	-0.54	0.0	2.60e-04	4.39e-04
2968	4	0.25	0.57	-1.26	0.0	7.01e-05	-6.60e-06
2968	44	0.21	-1.40	-1.07	0.0	6.37e-05	-5.18e-06
2968	68	0.17	0.37	-0.88	0.0	4.93e-05	-4.65e-06
2968	88	0.15	-0.94	-0.75	0.0	4.51e-05	-3.70e-06
2968	98	0.14	-0.10	-0.71	0.0	4.15e-05	-4.06e-06
2968	105	0.14	-0.26	-0.67	0.0	3.98e-05	-3.73e-06
2968	107	0.14	-0.09	-0.67	0.0	3.96e-05	-3.87e-06
2968	113	6.81	-0.43	-0.69	0.0	9.39e-04	-4.19e-04
2968	124	4.37	7.15	-0.75	0.0	6.25e-04	3.92e-05
2968	139	1.23	-7.83	-0.60	0.0	2.06e-04	3.30e-04
2968	145	7.65	-0.47	-0.69	0.0	1.05e-03	-4.71e-04
2968	156	4.90	8.06	-0.76	0.0	6.98e-04	4.52e-05
2968	171	1.37	-8.81	-0.59	0.0	2.27e-04	3.73e-04
2968	177	7.54	-0.47	-0.69	0.0	1.03e-03	-4.63e-04
2968	188	4.82	7.91	-0.76	0.0	6.83e-04	4.73e-05
2968	203	1.33	-8.73	-0.59	0.0	2.22e-04	3.76e-04
2968	209	8.77	-0.52	-0.70	0.0	1.19e-03	-5.38e-04
2968	220	5.59	9.19	-0.78	0.0	7.87e-04	5.91e-05
2968	235	1.48	-10.17	-0.58	0.0	2.47e-04	4.49e-04
2969	4	0.28	0.55	-1.39	0.0	7.78e-05	-3.65e-06
2969	44	0.25	-1.50	-1.18	0.0	6.19e-05	-4.66e-06
2969	68	0.20	0.36	-0.97	0.0	5.40e-05	-2.63e-06
2969	88	0.17	-1.01	-0.83	0.0	4.34e-05	-3.31e-06
2969	98	0.16	-0.13	-0.79	0.0	4.17e-05	-3.03e-06
2969	105	0.16	-0.30	-0.74	0.0	3.91e-05	-2.90e-06
2969	107	0.16	-0.13	-0.74	0.0	3.95e-05	-2.90e-06
2969	113	7.26	-0.49	-0.76	0.0	6.66e-04	-4.21e-04
2969	124	4.67	7.50	-0.82	0.0	4.49e-04	4.62e-05
2969	139	1.33	-8.27	-0.68	0.0	1.58e-04	3.40e-04
2969	145	8.16	-0.54	-0.76	0.0	7.45e-04	-4.74e-04
2969	156	5.23	8.44	-0.83	0.0	5.00e-04	5.29e-05
2969	171	1.48	-9.29	-0.67	0.0	1.72e-04	3.84e-04
2969	177	8.03	-0.54	-0.76	0.0	7.25e-04	-4.64e-04
2969	188	5.15	8.29	-0.83	0.0	4.86e-04	5.49e-05
2969	203	1.43	-9.21	-0.67	0.0	1.71e-04	3.86e-04
2969	209	9.34	-0.60	-0.77	0.0	8.34e-04	-5.39e-04

2969	220	5.97	9.64	-0.84	0.0	5.57e-04	6.79e-05
2969	235	1.60	-10.73	-0.65	0.0	1.90e-04	4.60e-04
2970	4	0.05	0.53	-0.85	0.0	7.68e-05	-2.86e-06
2970	48	0.04	-0.89	-0.58	0.0	5.30e-05	-1.74e-06
2970	68	0.04	0.35	-0.59	0.0	5.40e-05	-2.01e-06
2970	88	0.03	-0.59	-0.50	0.0	4.65e-05	-1.61e-06
2970	98	0.03	-7.10e-05	-0.48	0.0	4.43e-05	-1.86e-06
2970	102	0.02	0.12	-0.30	0.0	3.01e-05	-1.11e-06
2970	106	0.02	1.97e-03	-0.30	0.0	2.99e-05	-1.18e-06
2970	107	0.03	2.21e-04	-0.45	0.0	4.22e-05	-1.76e-06
2970	113	3.82	-0.09	-0.46	0.0	1.29e-03	-3.41e-04
2970	124	2.42	4.99	-0.50	0.0	8.52e-04	1.96e-05
2970	136	-0.58	5.26	-0.50	0.0	-1.95e-04	-2.56e-04
2970	145	4.30	-0.11	-0.46	0.0	1.45e-03	-3.84e-04
2970	156	2.72	5.61	-0.51	0.0	9.53e-04	2.28e-05
2970	168	-0.65	5.92	-0.50	0.0	-2.24e-04	-2.89e-04
2970	177	4.24	-0.10	-0.46	0.0	1.42e-03	-3.82e-04
2970	188	2.68	5.50	-0.50	0.0	9.29e-04	2.51e-05
2970	200	-0.63	5.87	-0.50	0.0	-2.19e-04	-2.96e-04
2970	209	4.94	-0.11	-0.46	0.0	1.64e-03	-4.47e-04
2970	220	3.12	6.39	-0.51	0.0	1.07e-03	3.23e-05
2970	232	-0.71	6.86	-0.51	0.0	-2.56e-04	-3.54e-04
2971	4	0.09	0.54	-0.90	0.0	7.57e-05	-5.30e-06
2971	44	0.08	-1.00	-0.77	0.0	6.52e-05	-3.59e-06
2971	68	0.07	0.36	-0.63	0.0	5.32e-05	-3.70e-06
2971	88	0.06	-0.67	-0.54	0.0	4.62e-05	-2.57e-06
2971	98	0.05	-0.02	-0.51	0.0	4.38e-05	-3.07e-06
2971	105	0.05	-0.15	-0.48	0.0	4.17e-05	-2.77e-06
2971	107	0.05	-0.02	-0.49	0.0	4.18e-05	-2.91e-06
2971	113	4.48	-0.17	-0.49	0.0	1.24e-03	-3.69e-04
2971	124	2.86	5.43	-0.53	0.0	8.20e-04	2.16e-05
2971	139	0.78	-5.79	-0.44	0.0	2.69e-04	2.74e-04
2971	145	5.04	-0.18	-0.49	0.0	1.39e-03	-4.15e-04
2971	156	3.21	6.11	-0.54	0.0	9.17e-04	2.52e-05
2971	171	0.87	-6.51	-0.44	0.0	2.97e-04	3.10e-04
2971	177	4.97	-0.18	-0.49	0.0	1.36e-03	-4.12e-04
2971	188	3.16	5.99	-0.54	0.0	8.94e-04	2.77e-05
2971	203	0.84	-6.46	-0.44	0.0	2.92e-04	3.16e-04
2971	209	5.78	-0.20	-0.49	0.0	1.57e-03	-4.82e-04
2971	220	3.67	6.96	-0.55	0.0	1.03e-03	3.56e-05
2971	235	0.94	-7.54	-0.43	0.0	3.28e-04	3.79e-04
2972	4	0.13	0.55	-0.95	0.0	7.46e-05	-6.70e-06
2972	44	0.11	-1.11	-0.81	0.0	6.49e-05	-4.42e-06
2972	68	0.09	0.36	-0.66	0.0	5.24e-05	-4.68e-06
2972	88	0.08	-0.74	-0.57	0.0	4.60e-05	-3.16e-06
2972	98	0.08	-0.04	-0.54	0.0	4.33e-05	-3.79e-06
2972	105	0.07	-0.18	-0.51	0.0	4.13e-05	-3.43e-06
2972	107	0.07	-0.04	-0.51	0.0	4.13e-05	-3.60e-06
2972	113	5.11	-0.24	-0.52	0.0	1.17e-03	-3.89e-04
2972	124	3.28	5.87	-0.56	0.0	7.72e-04	2.47e-05
2972	139	0.92	-6.32	-0.47	0.0	2.55e-04	2.91e-04
2972	145	5.75	-0.26	-0.52	0.0	1.31e-03	-4.37e-04
2972	156	3.68	6.61	-0.57	0.0	8.63e-04	2.88e-05
2972	171	1.02	-7.11	-0.46	0.0	2.81e-04	3.29e-04
2972	177	5.66	-0.26	-0.52	0.0	1.28e-03	-4.33e-04
2972	188	3.61	6.48	-0.57	0.0	8.42e-04	3.12e-05
2972	203	0.99	-7.05	-0.46	0.0	2.77e-04	3.35e-04
2972	209	6.58	-0.28	-0.52	0.0	1.48e-03	-5.06e-04
2972	220	4.20	7.53	-0.57	0.0	9.70e-04	4.00e-05
2972	235	1.11	-8.23	-0.45	0.0	3.10e-04	4.02e-04
2973	4	0.17	0.56	-1.00	0.0	7.35e-05	-7.08e-06
2973	44	0.15	-1.21	-0.85	0.0	6.47e-05	-4.76e-06
2973	68	0.12	0.37	-0.70	0.0	5.17e-05	-4.95e-06
2973	88	0.10	-0.81	-0.60	0.0	4.58e-05	-3.41e-06
2973	98	0.10	-0.06	-0.57	0.0	4.29e-05	-4.04e-06
2973	105	0.09	-0.21	-0.54	0.0	4.10e-05	-3.66e-06
2973	107	0.09	-0.06	-0.54	0.0	4.09e-05	-3.84e-06
2973	113	5.70	-0.30	-0.55	0.0	1.08e-03	-4.02e-04
2973	124	3.67	6.32	-0.59	0.0	7.21e-04	2.87e-05
2973	139	1.05	-6.85	-0.49	0.0	2.39e-04	3.05e-04
2973	145	6.41	-0.33	-0.55	0.0	1.22e-03	-4.53e-04
2973	156	4.11	7.11	-0.59	0.0	8.06e-04	3.34e-05
2973	171	1.16	-7.70	-0.49	0.0	2.64e-04	3.46e-04
2973	177	6.30	-0.33	-0.55	0.0	1.19e-03	-4.47e-04
2973	188	4.04	6.98	-0.59	0.0	7.86e-04	3.57e-05

2973	203	1.13	-7.63	-0.49	0.0	2.59e-04	3.51e-04
2973	209	7.32	-0.37	-0.55	0.0	1.37e-03	-5.22e-04
2973	220	4.69	8.11	-0.60	0.0	9.06e-04	4.55e-05
2973	235	1.27	-8.90	-0.48	0.0	2.90e-04	4.20e-04
2974	4	0.05	0.53	-0.83	0.0	7.45e-05	-1.89e-06
2974	48	0.04	-0.89	-0.58	0.0	5.22e-05	-1.36e-06
2974	68	0.04	0.35	-0.57	0.0	5.24e-05	-1.34e-06
2974	88	0.03	-0.59	-0.50	0.0	4.57e-05	-1.24e-06
2974	98	0.03	4.22e-04	-0.47	0.0	4.31e-05	-1.38e-06
2974	102	0.02	0.12	-0.29	0.0	2.93e-05	0.0
2974	106	0.02	2.38e-03	-0.29	0.0	2.91e-05	0.0
2974	107	0.03	7.02e-04	-0.45	0.0	4.11e-05	-1.31e-06
2974	113	3.70	-0.09	-0.45	0.0	1.28e-03	-3.29e-04
2974	124	2.37	4.99	-0.46	0.0	8.49e-04	2.07e-05
2974	136	-0.60	5.26	-0.46	0.0	-2.01e-04	-2.49e-04
2974	145	4.16	-0.10	-0.45	0.0	1.44e-03	-3.71e-04
2974	156	2.67	5.61	-0.46	0.0	9.49e-04	2.40e-05
2974	168	-0.68	5.92	-0.46	0.0	-2.32e-04	-2.81e-04
2974	177	4.09	-0.10	-0.45	0.0	1.40e-03	-3.69e-04
2974	188	2.62	5.51	-0.46	0.0	9.24e-04	2.62e-05
2974	200	-0.66	5.87	-0.46	0.0	-2.27e-04	-2.87e-04
2974	209	4.76	-0.11	-0.45	0.0	1.62e-03	-4.32e-04
2974	220	3.04	6.39	-0.46	0.0	1.06e-03	3.34e-05
2974	232	-0.75	6.86	-0.46	0.0	-2.66e-04	-3.43e-04
2975	4	0.09	0.54	-0.88	0.0	7.42e-05	-3.59e-06
2975	44	0.08	-1.00	-0.76	0.0	6.44e-05	-2.60e-06
2975	68	0.06	0.36	-0.61	0.0	5.21e-05	-2.51e-06
2975	88	0.05	-0.67	-0.53	0.0	4.56e-05	-1.85e-06
2975	98	0.05	-0.02	-0.50	0.0	4.30e-05	-2.20e-06
2975	105	0.05	-0.15	-0.47	0.0	4.10e-05	-1.99e-06
2975	107	0.05	-0.02	-0.48	0.0	4.10e-05	-2.09e-06
2975	113	4.36	-0.17	-0.48	0.0	1.24e-03	-3.58e-04
2975	124	2.81	5.43	-0.49	0.0	8.21e-04	2.26e-05
2975	139	0.80	-5.79	-0.47	0.0	2.75e-04	2.67e-04
2975	145	4.90	-0.18	-0.48	0.0	1.39e-03	-4.03e-04
2975	156	3.16	6.11	-0.49	0.0	9.18e-04	2.62e-05
2975	171	0.90	-6.52	-0.46	0.0	3.04e-04	3.02e-04
2975	177	4.81	-0.18	-0.48	0.0	1.35e-03	-4.00e-04
2975	188	3.09	5.99	-0.49	0.0	8.94e-04	2.86e-05
2975	203	0.87	-6.46	-0.46	0.0	2.99e-04	3.08e-04
2975	209	5.59	-0.20	-0.48	0.0	1.56e-03	-4.67e-04
2975	220	3.59	6.96	-0.49	0.0	1.03e-03	3.65e-05
2975	235	0.98	-7.54	-0.46	0.0	3.36e-04	3.69e-04
2976	4	0.13	0.55	-0.92	0.0	7.38e-05	-4.63e-06
2976	44	0.11	-1.11	-0.80	0.0	6.44e-05	-3.16e-06
2976	68	0.09	0.36	-0.64	0.0	5.19e-05	-3.24e-06
2976	88	0.08	-0.74	-0.56	0.0	4.56e-05	-2.26e-06
2976	98	0.07	-0.04	-0.53	0.0	4.29e-05	-2.73e-06
2976	105	0.07	-0.18	-0.50	0.0	4.09e-05	-2.46e-06
2976	107	0.07	-0.04	-0.50	0.0	4.09e-05	-2.59e-06
2976	113	4.99	-0.24	-0.51	0.0	1.17e-03	-3.80e-04
2976	124	3.23	5.87	-0.51	0.0	7.80e-04	2.53e-05
2976	139	0.94	-6.32	-0.49	0.0	2.62e-04	2.85e-04
2976	145	5.61	-0.26	-0.51	0.0	1.31e-03	-4.27e-04
2976	156	3.63	6.61	-0.52	0.0	8.72e-04	2.93e-05
2976	171	1.05	-7.11	-0.49	0.0	2.89e-04	3.23e-04
2976	177	5.50	-0.26	-0.51	0.0	1.28e-03	-4.24e-04
2976	188	3.55	6.48	-0.51	0.0	8.49e-04	3.17e-05
2976	203	1.03	-7.05	-0.49	0.0	2.85e-04	3.28e-04
2976	209	6.39	-0.28	-0.51	0.0	1.48e-03	-4.95e-04
2976	220	4.12	7.53	-0.52	0.0	9.77e-04	4.04e-05
2976	235	1.15	-8.23	-0.49	0.0	3.20e-04	3.93e-04
2977	4	0.17	0.56	-0.97	0.0	7.35e-05	-5.00e-06
2977	44	0.14	-1.21	-0.84	0.0	6.45e-05	-3.47e-06
2977	68	0.12	0.37	-0.68	0.0	5.17e-05	-3.50e-06
2977	88	0.10	-0.81	-0.59	0.0	4.57e-05	-2.48e-06
2977	98	0.10	-0.06	-0.55	0.0	4.28e-05	-2.97e-06
2977	105	0.09	-0.21	-0.53	0.0	4.09e-05	-2.68e-06
2977	107	0.09	-0.06	-0.53	0.0	4.09e-05	-2.82e-06
2977	113	5.58	-0.30	-0.53	0.0	1.10e-03	-3.96e-04
2977	124	3.62	6.31	-0.54	0.0	7.33e-04	2.88e-05
2977	139	1.08	-6.85	-0.51	0.0	2.47e-04	3.01e-04
2977	145	6.27	-0.33	-0.53	0.0	1.23e-03	-4.46e-04
2977	156	4.07	7.11	-0.54	0.0	8.19e-04	3.33e-05
2977	171	1.20	-7.70	-0.51	0.0	2.73e-04	3.40e-04

2977	177	6.14	-0.33	-0.53	0.0	1.20e-03	-4.41e-04
2977	188	3.98	6.98	-0.54	0.0	7.98e-04	3.57e-05
2977	203	1.17	-7.63	-0.51	0.0	2.69e-04	3.45e-04
2977	209	7.13	-0.37	-0.53	0.0	1.38e-03	-5.15e-04
2977	220	4.61	8.11	-0.54	0.0	9.18e-04	4.53e-05
2977	235	1.32	-8.90	-0.51	0.0	3.01e-04	4.13e-04
2978	4	0.05	0.53	-0.84	0.0	7.31e-05	-1.09e-06
2978	28	0.05	-0.53	-0.85	0.0	7.25e-05	-1.60e-06
2978	48	0.03	-0.89	-0.60	0.0	5.17e-05	-1.04e-06
2978	68	0.04	0.35	-0.58	0.0	5.14e-05	0.0
2978	80	0.03	-0.36	-0.59	0.0	5.10e-05	-1.12e-06
2978	88	0.03	-0.59	-0.51	0.0	4.52e-05	0.0
2978	98	0.03	9.61e-04	-0.48	0.0	4.25e-05	0.0
2978	102	0.02	0.12	-0.30	0.0	2.88e-05	0.0
2978	106	0.02	2.80e-03	-0.30	0.0	2.87e-05	0.0
2978	107	0.03	1.22e-03	-0.46	0.0	4.05e-05	0.0
2978	113	3.58	-0.09	-0.47	0.0	1.28e-03	-3.25e-04
2978	133	2.33	-4.44	-0.48	0.0	8.52e-04	2.22e-05
2978	136	-0.62	5.26	-0.44	0.0	-2.07e-04	-2.45e-04
2978	145	4.03	-0.10	-0.47	0.0	1.43e-03	-3.66e-04
2978	165	2.62	-4.99	-0.48	0.0	9.53e-04	2.56e-05
2978	168	-0.70	5.92	-0.44	0.0	-2.38e-04	-2.77e-04
2978	177	3.95	-0.10	-0.47	0.0	1.39e-03	-3.64e-04
2978	197	2.57	-4.94	-0.48	0.0	9.26e-04	2.80e-05
2978	200	-0.68	5.88	-0.44	0.0	-2.35e-04	-2.82e-04
2978	209	4.59	-0.11	-0.47	0.0	1.61e-03	-4.26e-04
2978	229	2.98	-5.75	-0.48	0.0	1.07e-03	3.55e-05
2978	232	-0.78	6.87	-0.43	0.0	-2.75e-04	-3.38e-04
2979	4	0.09	0.54	-0.89	0.0	7.31e-05	-2.18e-06
2979	28	0.09	-0.62	-0.90	0.0	7.26e-05	-2.38e-06
2979	44	0.08	-1.00	-0.78	0.0	6.38e-05	-1.84e-06
2979	68	0.06	0.36	-0.62	0.0	5.14e-05	-1.53e-06
2979	80	0.06	-0.42	-0.63	0.0	5.10e-05	-1.66e-06
2979	88	0.05	-0.67	-0.55	0.0	4.52e-05	-1.30e-06
2979	98	0.05	-0.02	-0.51	0.0	4.25e-05	-1.50e-06
2979	105	0.05	-0.15	-0.49	0.0	4.05e-05	-1.36e-06
2979	107	0.05	-0.02	-0.49	0.0	4.05e-05	-1.41e-06
2979	113	4.24	-0.17	-0.50	0.0	1.24e-03	-3.51e-04
2979	133	2.77	-4.91	-0.51	0.0	8.25e-04	2.40e-05
2979	139	0.83	-5.79	-0.51	0.0	2.80e-04	2.62e-04
2979	145	4.77	-0.18	-0.50	0.0	1.39e-03	-3.95e-04
2979	165	3.11	-5.52	-0.51	0.0	9.22e-04	2.78e-05
2979	171	0.92	-6.52	-0.51	0.0	3.10e-04	2.97e-04
2979	177	4.67	-0.18	-0.50	0.0	1.35e-03	-3.92e-04
2979	197	3.04	-5.46	-0.51	0.0	8.97e-04	3.03e-05
2979	203	0.90	-6.46	-0.51	0.0	3.06e-04	3.02e-04
2979	209	5.42	-0.20	-0.50	0.0	1.55e-03	-4.59e-04
2979	229	3.53	-6.36	-0.52	0.0	1.03e-03	3.85e-05
2979	235	1.02	-7.55	-0.52	0.0	3.44e-04	3.62e-04
2980	4	0.13	0.55	-0.94	0.0	7.32e-05	-2.94e-06
2980	28	0.12	-0.70	-0.95	0.0	7.27e-05	-2.97e-06
2980	44	0.11	-1.11	-0.83	0.0	6.40e-05	-2.26e-06
2980	68	0.09	0.36	-0.66	0.0	5.14e-05	-2.06e-06
2980	80	0.09	-0.47	-0.66	0.0	5.12e-05	-2.07e-06
2980	88	0.08	-0.74	-0.58	0.0	4.53e-05	-1.60e-06
2980	98	0.07	-0.05	-0.54	0.0	4.25e-05	-1.88e-06
2980	105	0.07	-0.18	-0.52	0.0	4.06e-05	-1.70e-06
2980	107	0.07	-0.04	-0.51	0.0	4.06e-05	-1.78e-06
2980	113	4.87	-0.24	-0.53	0.0	1.17e-03	-3.73e-04
2980	133	3.20	-5.38	-0.54	0.0	7.86e-04	2.62e-05
2980	139	0.97	-6.32	-0.54	0.0	2.68e-04	2.80e-04
2980	145	5.48	-0.26	-0.53	0.0	1.32e-03	-4.20e-04
2980	165	3.59	-6.05	-0.54	0.0	8.79e-04	3.03e-05
2980	171	1.08	-7.11	-0.54	0.0	2.96e-04	3.17e-04
2980	177	5.35	-0.26	-0.53	0.0	1.28e-03	-4.17e-04
2980	197	3.50	-5.98	-0.54	0.0	8.55e-04	3.29e-05
2980	203	1.06	-7.05	-0.54	0.0	2.92e-04	3.22e-04
2980	209	6.21	-0.28	-0.53	0.0	1.47e-03	-4.88e-04
2980	229	4.06	-6.96	-0.55	0.0	9.84e-04	4.18e-05
2980	235	1.20	-8.23	-0.55	0.0	3.29e-04	3.86e-04
2981	4	0.17	0.56	-0.99	0.0	7.33e-05	-3.34e-06
2981	28	0.16	-0.78	-1.00	0.0	7.30e-05	-3.37e-06
2981	44	0.14	-1.21	-0.87	0.0	6.43e-05	-2.59e-06
2981	68	0.12	0.37	-0.69	0.0	5.15e-05	-2.34e-06
2981	80	0.11	-0.52	-0.70	0.0	5.13e-05	-2.36e-06

2981	88	0.10	-0.81	-0.61	0.0	4.55e-05	-1.84e-06
2981	98	0.10	-0.07	-0.57	0.0	4.27e-05	-2.13e-06
2981	105	0.09	-0.21	-0.54	0.0	4.08e-05	-1.93e-06
2981	107	0.09	-0.06	-0.54	0.0	4.07e-05	-2.02e-06
2981	113	5.47	-0.30	-0.56	0.0	1.10e-03	-3.92e-04
2981	133	3.60	-5.85	-0.57	0.0	7.42e-04	2.90e-05
2981	139	1.11	-6.85	-0.57	0.0	2.54e-04	2.96e-04
2981	145	6.15	-0.33	-0.56	0.0	1.24e-03	-4.41e-04
2981	165	4.03	-6.57	-0.58	0.0	8.30e-04	3.35e-05
2981	171	1.24	-7.70	-0.57	0.0	2.81e-04	3.35e-04
2981	177	6.00	-0.33	-0.56	0.0	1.20e-03	-4.37e-04
2981	197	3.94	-6.50	-0.57	0.0	8.08e-04	3.62e-05
2981	203	1.21	-7.63	-0.57	0.0	2.77e-04	3.40e-04
2981	209	6.96	-0.37	-0.56	0.0	1.39e-03	-5.11e-04
2981	229	4.56	-7.56	-0.58	0.0	9.29e-04	4.59e-05
2981	235	1.37	-8.90	-0.58	0.0	3.11e-04	4.07e-04
2982	4	0.05	0.53	-0.88	0.0	7.22e-05	0.0
2982	28	0.05	-0.53	-0.90	0.0	7.19e-05	-1.16e-06
2982	48	0.03	-0.89	-0.64	0.0	5.14e-05	0.0
2982	68	0.04	0.35	-0.61	0.0	5.08e-05	0.0
2982	72	0.02	0.59	-0.31	0.0	2.91e-05	0.0
2982	80	0.03	-0.35	-0.63	0.0	5.06e-05	0.0
2982	98	0.03	1.38e-03	-0.51	0.0	4.21e-05	0.0
2982	102	0.02	0.12	-0.32	0.0	2.86e-05	0.0
2982	106	0.02	3.13e-03	-0.33	0.0	2.84e-05	0.0
2982	107	0.03	1.63e-03	-0.48	0.0	4.01e-05	0.0
2982	108	3.48	2.73	-0.46	0.0	1.27e-03	-3.24e-04
2982	135	0.46	-5.25	-0.54	0.0	1.99e-04	2.39e-04
2982	136	-0.64	5.26	-0.43	0.0	-2.12e-04	-2.42e-04
2982	140	3.92	3.08	-0.45	0.0	1.43e-03	-3.65e-04
2982	167	0.52	-5.91	-0.55	0.0	2.18e-04	2.70e-04
2982	168	-0.73	5.93	-0.42	0.0	-2.44e-04	-2.74e-04
2982	172	3.82	3.04	-0.45	0.0	1.38e-03	-3.63e-04
2982	200	-0.71	5.88	-0.42	0.0	-2.41e-04	-2.79e-04
2982	203	0.77	-5.87	-0.55	0.0	3.21e-04	2.78e-04
2982	209	4.43	-0.10	-0.49	0.0	1.59e-03	-4.25e-04
2982	232	-0.82	6.87	-0.41	0.0	-2.82e-04	-3.35e-04
2982	235	0.87	-6.86	-0.56	0.0	3.62e-04	3.33e-04
2983	4	0.09	0.54	-0.94	0.0	7.24e-05	-1.09e-06
2983	28	0.09	-0.62	-0.96	0.0	7.20e-05	-1.68e-06
2983	44	0.08	-1.00	-0.84	0.0	6.35e-05	-1.34e-06
2983	68	0.06	0.36	-0.65	0.0	5.09e-05	0.0
2983	80	0.06	-0.42	-0.67	0.0	5.07e-05	-1.15e-06
2983	88	0.05	-0.67	-0.59	0.0	4.49e-05	0.0
2983	98	0.05	-0.02	-0.55	0.0	4.21e-05	0.0
2983	105	0.05	-0.15	-0.52	0.0	4.02e-05	0.0
2983	107	0.05	-0.02	-0.52	0.0	4.02e-05	0.0
2983	108	4.14	2.93	-0.49	0.0	1.23e-03	-3.49e-04
2983	139	0.85	-5.79	-0.58	0.0	2.84e-04	2.58e-04
2983	140	4.65	3.31	-0.48	0.0	1.38e-03	-3.92e-04
2983	171	0.95	-6.52	-0.59	0.0	3.15e-04	2.92e-04
2983	177	4.53	-0.18	-0.52	0.0	1.34e-03	-3.90e-04
2983	203	0.93	-6.46	-0.59	0.0	3.11e-04	2.98e-04
2983	209	5.25	-0.20	-0.53	0.0	1.54e-03	-4.57e-04
2983	235	1.06	-7.55	-0.60	0.0	3.51e-04	3.57e-04
2984	4	0.13	0.55	-0.99	0.0	7.26e-05	-1.63e-06
2984	28	0.12	-0.71	-1.01	0.0	7.23e-05	-2.13e-06
2984	44	0.11	-1.11	-0.89	0.0	6.36e-05	-1.67e-06
2984	68	0.09	0.36	-0.69	0.0	5.10e-05	-1.13e-06
2984	80	0.09	-0.47	-0.71	0.0	5.08e-05	-1.46e-06
2984	88	0.08	-0.74	-0.62	0.0	4.51e-05	-1.16e-06
2984	98	0.07	-0.05	-0.58	0.0	4.22e-05	-1.23e-06
2984	105	0.07	-0.18	-0.55	0.0	4.03e-05	-1.11e-06
2984	107	0.07	-0.04	-0.55	0.0	4.03e-05	-1.15e-06
2984	113	4.77	-0.24	-0.55	0.0	1.17e-03	-3.71e-04
2984	139	1.00	-6.32	-0.62	0.0	2.72e-04	2.75e-04
2984	145	5.36	-0.26	-0.55	0.0	1.31e-03	-4.18e-04
2984	171	1.11	-7.11	-0.63	0.0	3.02e-04	3.11e-04
2984	177	5.22	-0.26	-0.55	0.0	1.27e-03	-4.15e-04
2984	203	1.10	-7.05	-0.63	0.0	2.98e-04	3.17e-04
2984	209	6.04	-0.28	-0.56	0.0	1.47e-03	-4.86e-04
2984	235	1.24	-8.23	-0.64	0.0	3.36e-04	3.80e-04
2985	4	0.16	0.55	-1.04	0.0	7.29e-05	-2.06e-06
2985	28	0.16	-0.78	-1.07	0.0	7.26e-05	-2.55e-06
2985	44	0.14	-1.21	-0.94	0.0	6.39e-05	-2.01e-06

2985	68	0.12	0.37	-0.73	0.0	5.13e-05	-1.44e-06
2985	80	0.11	-0.53	-0.74	0.0	5.10e-05	-1.76e-06
2985	88	0.10	-0.81	-0.66	0.0	4.53e-05	-1.40e-06
2985	98	0.09	-0.07	-0.61	0.0	4.24e-05	-1.49e-06
2985	105	0.09	-0.21	-0.58	0.0	4.05e-05	-1.36e-06
2985	107	0.09	-0.06	-0.58	0.0	4.05e-05	-1.40e-06
2985	113	5.36	-0.30	-0.58	0.0	1.11e-03	-3.90e-04
2985	139	1.14	-6.85	-0.66	0.0	2.60e-04	2.91e-04
2985	145	6.02	-0.33	-0.58	0.0	1.24e-03	-4.39e-04
2985	171	1.27	-7.70	-0.67	0.0	2.87e-04	3.29e-04
2985	177	5.86	-0.33	-0.58	0.0	1.20e-03	-4.37e-04
2985	203	1.25	-7.63	-0.67	0.0	2.84e-04	3.35e-04
2985	209	6.78	-0.37	-0.59	0.0	1.39e-03	-5.11e-04
2985	235	1.41	-8.90	-0.68	0.0	3.20e-04	4.02e-04
2986	4	0.05	0.53	-0.95	0.0	7.17e-05	0.0
2986	28	0.05	-0.53	-0.98	0.0	7.15e-05	0.0
2986	48	0.03	-0.89	-0.71	0.0	5.11e-05	0.0
2986	68	0.04	0.35	-0.66	0.0	5.04e-05	0.0
2986	72	0.02	0.59	-0.34	0.0	2.90e-05	0.0
2986	80	0.03	-0.35	-0.69	0.0	5.03e-05	0.0
2986	98	0.03	1.64e-03	-0.56	0.0	4.18e-05	0.0
2986	102	0.02	0.12	-0.36	0.0	2.85e-05	0.0
2986	106	0.02	3.36e-03	-0.36	0.0	2.83e-05	0.0
2986	107	0.03	1.88e-03	-0.53	0.0	3.99e-05	0.0
2986	108	3.39	2.74	-0.48	0.0	1.26e-03	-3.25e-04
2986	136	-0.67	5.27	-0.41	0.0	-2.14e-04	-2.40e-04
2986	139	0.72	-5.26	-0.65	0.0	2.94e-04	2.39e-04
2986	140	3.81	3.08	-0.47	0.0	1.41e-03	-3.66e-04
2986	168	-0.75	5.93	-0.40	0.0	-2.46e-04	-2.71e-04
2986	171	0.80	-5.92	-0.66	0.0	3.26e-04	2.71e-04
2986	172	3.69	3.04	-0.47	0.0	1.36e-03	-3.64e-04
2986	200	-0.74	5.88	-0.40	0.0	-2.43e-04	-2.77e-04
2986	203	0.79	-5.88	-0.66	0.0	3.23e-04	2.77e-04
2986	204	4.27	3.54	-0.46	0.0	1.57e-03	-4.27e-04
2986	232	-0.85	6.87	-0.38	0.0	-2.86e-04	-3.33e-04
2986	235	0.91	-6.86	-0.68	0.0	3.65e-04	3.32e-04
2987	4	0.09	0.54	-1.01	0.0	7.19e-05	0.0
2987	28	0.09	-0.62	-1.05	0.0	7.16e-05	-1.26e-06
2987	44	0.07	-1.00	-0.93	0.0	6.31e-05	-1.09e-06
2987	68	0.06	0.36	-0.71	0.0	5.06e-05	0.0
2987	80	0.06	-0.42	-0.74	0.0	5.04e-05	0.0
2987	88	0.05	-0.67	-0.65	0.0	4.47e-05	0.0
2987	98	0.05	-0.02	-0.60	0.0	4.19e-05	0.0
2987	105	0.05	-0.15	-0.57	0.0	4.00e-05	0.0
2987	107	0.05	-0.02	-0.57	0.0	3.99e-05	0.0
2987	108	4.04	2.93	-0.51	0.0	1.22e-03	-3.50e-04
2987	139	0.87	-5.79	-0.70	0.0	2.86e-04	2.55e-04
2987	140	4.54	3.31	-0.50	0.0	1.36e-03	-3.95e-04
2987	171	0.98	-6.52	-0.72	0.0	3.17e-04	2.89e-04
2987	172	4.40	3.26	-0.50	0.0	1.32e-03	-3.94e-04
2987	203	0.96	-6.46	-0.72	0.0	3.15e-04	2.96e-04
2987	204	5.09	3.80	-0.49	0.0	1.52e-03	-4.62e-04
2987	235	1.10	-7.55	-0.74	0.0	3.55e-04	3.55e-04
2988	4	0.13	0.55	-1.07	0.0	7.22e-05	0.0
2988	28	0.12	-0.71	-1.11	0.0	7.18e-05	-1.58e-06
2988	44	0.11	-1.11	-0.98	0.0	6.33e-05	-1.32e-06
2988	68	0.09	0.36	-0.75	0.0	5.07e-05	0.0
2988	80	0.09	-0.47	-0.78	0.0	5.05e-05	-1.05e-06
2988	88	0.08	-0.74	-0.69	0.0	4.48e-05	0.0
2988	98	0.07	-0.05	-0.63	0.0	4.20e-05	0.0
2988	105	0.07	-0.18	-0.61	0.0	4.01e-05	0.0
2988	107	0.07	-0.04	-0.60	0.0	4.00e-05	0.0
2988	108	4.66	3.14	-0.53	0.0	1.16e-03	-3.74e-04
2988	139	1.02	-6.32	-0.75	0.0	2.76e-04	2.71e-04
2988	140	5.24	3.54	-0.53	0.0	1.30e-03	-4.21e-04
2988	171	1.14	-7.11	-0.77	0.0	3.06e-04	3.07e-04
2988	172	5.08	3.48	-0.53	0.0	1.26e-03	-4.20e-04
2988	203	1.13	-7.05	-0.76	0.0	3.03e-04	3.15e-04
2988	204	5.87	4.07	-0.51	0.0	1.45e-03	-4.93e-04
2988	235	1.28	-8.23	-0.79	0.0	3.42e-04	3.77e-04
2989	4	0.16	0.55	-1.13	0.0	7.24e-05	-1.05e-06
2989	28	0.16	-0.78	-1.17	0.0	7.21e-05	-1.99e-06
2989	44	0.14	-1.22	-1.04	0.0	6.35e-05	-1.63e-06
2989	68	0.11	0.37	-0.79	0.0	5.09e-05	0.0
2989	80	0.11	-0.53	-0.82	0.0	5.07e-05	-1.33e-06

2989	88	0.10	-0.81	-0.73	0.0	4.49e-05	-1.10e-06
2989	98	0.09	-0.07	-0.67	0.0	4.21e-05	0.0
2989	105	0.09	-0.21	-0.64	0.0	4.02e-05	0.0
2989	107	0.09	-0.06	-0.63	0.0	4.01e-05	0.0
2989	108	5.25	3.34	-0.56	0.0	1.11e-03	-3.94e-04
2989	139	1.16	-6.85	-0.79	0.0	2.66e-04	2.87e-04
2989	140	5.90	3.77	-0.55	0.0	1.24e-03	-4.43e-04
2989	171	1.30	-7.70	-0.81	0.0	2.94e-04	3.25e-04
2989	172	5.72	3.71	-0.55	0.0	1.20e-03	-4.42e-04
2989	203	1.28	-7.63	-0.81	0.0	2.92e-04	3.32e-04
2989	209	6.61	-0.37	-0.65	0.0	1.38e-03	-5.17e-04
2989	235	1.46	-8.90	-0.84	0.0	3.29e-04	3.99e-04
2990	4	0.05	0.53	-1.06	0.0	7.15e-05	0.0
2990	28	0.05	-0.53	-1.12	0.0	7.11e-05	0.0
2990	48	0.03	-0.89	-0.82	0.0	5.09e-05	0.0
2990	68	0.04	0.35	-0.74	0.0	5.03e-05	0.0
2990	72	0.02	0.59	-0.39	0.0	2.92e-05	1.12e-06
2990	80	0.03	-0.36	-0.79	0.0	5.01e-05	0.0
2990	98	0.03	1.43e-03	-0.64	0.0	4.17e-05	0.0
2990	102	0.02	0.12	-0.41	0.0	2.86e-05	0.0
2990	106	0.02	3.28e-03	-0.42	0.0	2.84e-05	0.0
2990	107	0.03	1.69e-03	-0.61	0.0	3.98e-05	0.0
2990	108	3.29	2.74	-0.50	0.0	1.23e-03	-3.28e-04
2990	136	-0.68	5.27	-0.39	0.0	-2.12e-04	-2.38e-04
2990	139	0.74	-5.26	-0.82	0.0	2.92e-04	2.38e-04
2990	140	3.70	3.08	-0.49	0.0	1.38e-03	-3.69e-04
2990	168	-0.77	5.93	-0.36	0.0	-2.44e-04	-2.70e-04
2990	171	0.82	-5.92	-0.85	0.0	3.24e-04	2.69e-04
2990	172	3.58	3.04	-0.49	0.0	1.33e-03	-3.69e-04
2990	200	-0.77	5.88	-0.36	0.0	-2.42e-04	-2.76e-04
2990	203	0.82	-5.88	-0.85	0.0	3.22e-04	2.76e-04
2990	204	4.13	3.54	-0.47	0.0	1.53e-03	-4.33e-04
2990	232	-0.88	6.87	-0.32	0.0	-2.84e-04	-3.32e-04
2990	235	0.94	-6.87	-0.89	0.0	3.64e-04	3.31e-04
2991	4	0.09	0.54	-1.14	0.0	7.17e-05	0.0
2991	28	0.08	-0.62	-1.21	0.0	7.13e-05	-1.06e-06
2991	44	0.07	-1.01	-1.08	0.0	6.29e-05	-1.05e-06
2991	68	0.06	0.36	-0.80	0.0	5.04e-05	0.0
2991	80	0.06	-0.42	-0.84	0.0	5.02e-05	0.0
2991	88	0.05	-0.67	-0.76	0.0	4.46e-05	0.0
2991	98	0.05	-0.02	-0.69	0.0	4.18e-05	0.0
2991	105	0.05	-0.15	-0.66	0.0	3.99e-05	0.0
2991	107	0.05	-0.02	-0.65	0.0	3.99e-05	0.0
2991	108	3.93	2.93	-0.54	0.0	1.19e-03	-3.60e-04
2991	139	0.89	-5.79	-0.89	0.0	2.86e-04	2.55e-04
2991	140	4.42	3.31	-0.52	0.0	1.34e-03	-4.06e-04
2991	171	0.99	-6.52	-0.92	0.0	3.17e-04	2.89e-04
2991	172	4.27	3.26	-0.53	0.0	1.29e-03	-4.06e-04
2991	203	0.99	-6.47	-0.92	0.0	3.15e-04	2.97e-04
2991	204	4.92	3.80	-0.51	0.0	1.49e-03	-4.78e-04
2991	235	1.13	-7.55	-0.97	0.0	3.56e-04	3.57e-04
2992	4	0.13	0.55	-1.21	0.0	7.18e-05	0.0
2992	28	0.12	-0.71	-1.28	0.0	7.15e-05	-1.24e-06
2992	44	0.11	-1.11	-1.14	0.0	6.30e-05	-1.14e-06
2992	68	0.09	0.36	-0.85	0.0	5.05e-05	0.0
2992	80	0.09	-0.47	-0.90	0.0	5.03e-05	0.0
2992	88	0.08	-0.75	-0.80	0.0	4.46e-05	0.0
2992	98	0.07	-0.05	-0.73	0.0	4.18e-05	0.0
2992	105	0.07	-0.18	-0.70	0.0	3.99e-05	0.0
2992	107	0.07	-0.04	-0.69	0.0	3.98e-05	0.0
2992	108	4.54	3.14	-0.57	0.0	1.15e-03	-3.85e-04
2992	139	1.04	-6.32	-0.96	0.0	2.79e-04	2.72e-04
2992	140	5.10	3.54	-0.55	0.0	1.29e-03	-4.34e-04
2992	171	1.16	-7.11	-0.99	0.0	3.09e-04	3.07e-04
2992	172	4.93	3.48	-0.55	0.0	1.25e-03	-4.34e-04
2992	203	1.15	-7.05	-0.99	0.0	3.07e-04	3.16e-04
2992	204	5.68	4.07	-0.53	0.0	1.44e-03	-5.11e-04
2992	235	1.31	-8.23	-1.03	0.0	3.47e-04	3.80e-04
2993	4	0.16	0.55	-1.28	0.0	7.19e-05	0.0
2993	28	0.16	-0.79	-1.35	0.0	7.16e-05	-1.60e-06
2993	44	0.14	-1.22	-1.21	0.0	6.31e-05	-1.39e-06
2993	68	0.11	0.37	-0.90	0.0	5.05e-05	0.0
2993	80	0.11	-0.53	-0.95	0.0	5.03e-05	-1.02e-06
2993	88	0.10	-0.82	-0.85	0.0	4.46e-05	0.0
2993	98	0.09	-0.07	-0.77	0.0	4.18e-05	0.0

2993	105	0.09	-0.21	-0.74	0.0	3.99e-05	0.0
2993	107	0.09	-0.06	-0.73	0.0	3.98e-05	0.0
2993	108	5.13	3.34	-0.60	0.0	1.11e-03	-4.00e-04
2993	139	1.18	-6.85	-1.02	0.0	2.73e-04	2.86e-04
2993	140	5.76	3.77	-0.58	0.0	1.25e-03	-4.51e-04
2993	171	1.32	-7.70	-1.05	0.0	3.02e-04	3.23e-04
2993	172	5.57	3.71	-0.58	0.0	1.21e-03	-4.51e-04
2993	203	1.31	-7.63	-1.05	0.0	3.00e-04	3.32e-04
2993	204	6.42	4.33	-0.56	0.0	1.39e-03	-5.30e-04
2993	235	1.49	-8.90	-1.10	0.0	3.39e-04	3.99e-04
2994	4	0.05	0.53	-1.26	0.0	7.18e-05	0.0
2994	28	0.05	-0.54	-1.36	0.0	7.12e-05	-1.29e-06
2994	48	0.03	-0.89	-1.01	0.0	5.09e-05	-1.54e-06
2994	68	0.04	0.35	-0.89	0.0	5.06e-05	0.0
2994	80	0.03	-0.36	-0.95	0.0	5.02e-05	0.0
2994	88	0.03	-0.59	-0.87	0.0	4.46e-05	-1.00e-06
2994	98	0.03	7.41e-05	-0.77	0.0	4.19e-05	0.0
2994	102	0.02	0.12	-0.51	0.0	2.89e-05	0.0
2994	106	0.02	2.44e-03	-0.52	0.0	2.87e-05	0.0
2994	107	0.03	4.13e-04	-0.73	0.0	4.00e-05	0.0
2994	108	3.20	2.73	-0.54	0.0	1.17e-03	-3.39e-04
2994	136	-0.70	5.27	-0.32	0.0	-2.04e-04	-2.40e-04
2994	139	0.75	-5.26	-1.15	0.0	2.84e-04	2.39e-04
2994	140	3.59	3.08	-0.52	0.0	1.32e-03	-3.82e-04
2994	168	-0.79	5.93	-0.27	0.0	-2.35e-04	-2.71e-04
2994	171	0.84	-5.93	-1.20	0.0	3.15e-04	2.71e-04
2994	172	3.45	3.04	-0.52	0.0	1.27e-03	-3.82e-04
2994	200	-0.79	5.88	-0.28	0.0	-2.33e-04	-2.79e-04
2994	203	0.84	-5.88	-1.19	0.0	3.13e-04	2.79e-04
2994	204	3.98	3.54	-0.49	0.0	1.46e-03	-4.50e-04
2994	232	-0.91	6.87	-0.20	0.0	-2.74e-04	-3.35e-04
2994	235	0.96	-6.87	-1.27	0.0	3.54e-04	3.35e-04
2995	4	0.09	0.53	-1.40	0.0	7.17e-05	1.05e-06
2995	28	0.08	-0.63	-1.51	0.0	7.13e-05	-1.02e-06
2995	44	0.07	-1.01	-1.36	0.0	6.30e-05	-1.19e-06
2995	68	0.06	0.36	-0.99	0.0	5.05e-05	0.0
2995	80	0.06	-0.42	-1.06	0.0	5.02e-05	0.0
2995	88	0.05	-0.67	-0.96	0.0	4.47e-05	0.0
2995	98	0.05	-0.03	-0.86	0.0	4.18e-05	0.0
2995	105	0.05	-0.15	-0.83	0.0	4.00e-05	0.0
2995	107	0.05	-0.02	-0.82	0.0	3.99e-05	0.0
2995	108	3.80	2.93	-0.61	0.0	1.16e-03	-3.84e-04
2995	139	0.90	-5.80	-1.27	0.0	2.82e-04	2.64e-04
2995	140	4.27	3.31	-0.58	0.0	1.30e-03	-4.33e-04
2995	171	1.00	-6.52	-1.32	0.0	3.13e-04	2.98e-04
2995	172	4.11	3.26	-0.59	0.0	1.25e-03	-4.35e-04
2995	203	1.00	-6.47	-1.32	0.0	3.11e-04	3.07e-04
2995	204	4.73	3.80	-0.55	0.0	1.44e-03	-5.12e-04
2995	235	1.15	-7.55	-1.40	0.0	3.52e-04	3.69e-04
2996	4	0.13	0.54	-1.51	0.0	7.15e-05	0.0
2996	28	0.12	-0.71	-1.62	0.0	7.13e-05	-1.05e-06
2996	44	0.11	-1.12	-1.46	0.0	6.29e-05	-1.11e-06
2996	68	0.09	0.36	-1.06	0.0	5.03e-05	0.0
2996	80	0.09	-0.48	-1.14	0.0	5.01e-05	0.0
2996	88	0.08	-0.75	-1.03	0.0	4.46e-05	0.0
2996	98	0.07	-0.05	-0.92	0.0	4.17e-05	0.0
2996	105	0.07	-0.18	-0.89	0.0	3.98e-05	0.0
2996	107	0.07	-0.05	-0.88	0.0	3.97e-05	0.0
2996	108	4.40	3.14	-0.65	0.0	1.15e-03	-4.07e-04
2996	139	1.04	-6.32	-1.36	0.0	2.83e-04	2.79e-04
2996	140	4.95	3.54	-0.62	0.0	1.29e-03	-4.59e-04
2996	171	1.17	-7.11	-1.42	0.0	3.14e-04	3.16e-04
2996	172	4.76	3.48	-0.63	0.0	1.24e-03	-4.61e-04
2996	203	1.17	-7.05	-1.41	0.0	3.12e-04	3.25e-04
2996	204	5.48	4.07	-0.59	0.0	1.43e-03	-5.42e-04
2996	235	1.33	-8.23	-1.50	0.0	3.53e-04	3.91e-04
2997	4	0.16	0.55	-1.59	0.0	7.12e-05	0.0
2997	28	0.16	-0.79	-1.71	0.0	7.11e-05	-1.36e-06
2997	44	0.14	-1.22	-1.54	0.0	6.27e-05	-1.26e-06
2997	68	0.11	0.36	-1.12	0.0	5.00e-05	0.0
2997	80	0.11	-0.53	-1.20	0.0	5.00e-05	0.0
2997	88	0.10	-0.82	-1.09	0.0	4.44e-05	0.0
2997	98	0.09	-0.07	-0.97	0.0	4.14e-05	0.0
2997	105	0.09	-0.21	-0.94	0.0	3.96e-05	0.0
2997	107	0.09	-0.06	-0.93	0.0	3.94e-05	0.0

2997	108	5.00	3.34	-0.69	0.0	1.14e-03	-4.09e-04
2997	139	1.19	-6.85	-1.43	0.0	2.84e-04	2.86e-04
2997	140	5.62	3.77	-0.66	0.0	1.28e-03	-4.60e-04
2997	171	1.33	-7.70	-1.50	0.0	3.15e-04	3.24e-04
2997	172	5.41	3.71	-0.66	0.0	1.23e-03	-4.61e-04
2997	203	1.33	-7.63	-1.49	0.0	3.14e-04	3.34e-04
2997	204	6.22	4.33	-0.62	0.0	1.42e-03	-5.43e-04
2997	235	1.52	-8.91	-1.59	0.0	3.55e-04	4.01e-04
2998	4	0.21	0.57	-1.06	0.0	7.27e-05	-6.56e-06
2998	44	0.18	-1.30	-0.90	0.0	6.46e-05	-4.68e-06
2998	68	0.15	0.37	-0.74	0.0	5.11e-05	-4.60e-06
2998	88	0.13	-0.87	-0.63	0.0	4.58e-05	-3.35e-06
2998	98	0.12	-0.08	-0.60	0.0	4.27e-05	-3.87e-06
2998	105	0.11	-0.23	-0.57	0.0	4.08e-05	-3.52e-06
2998	107	0.11	-0.08	-0.57	0.0	4.07e-05	-3.68e-06
2998	113	6.22	-0.37	-0.58	0.0	1.01e-03	-4.11e-04
2998	124	4.01	6.74	-0.62	0.0	6.76e-04	3.35e-05
2998	139	1.16	-7.34	-0.52	0.0	2.26e-04	3.17e-04
2998	145	6.99	-0.40	-0.58	0.0	1.14e-03	-4.62e-04
2998	156	4.50	7.59	-0.62	0.0	7.56e-04	3.87e-05
2998	171	1.29	-8.26	-0.52	0.0	2.49e-04	3.59e-04
2998	177	6.86	-0.40	-0.58	0.0	1.11e-03	-4.56e-04
2998	188	4.42	7.45	-0.62	0.0	7.38e-04	4.10e-05
2998	203	1.26	-8.18	-0.52	0.0	2.44e-04	3.63e-04
2998	209	7.98	-0.44	-0.58	0.0	1.28e-03	-5.31e-04
2998	220	5.12	8.65	-0.63	0.0	8.50e-04	5.17e-05
2998	235	1.41	-9.54	-0.51	0.0	2.72e-04	4.34e-04
2999	4	0.24	0.57	-1.14	0.0	7.21e-05	-5.26e-06
2999	44	0.21	-1.40	-0.97	0.0	6.46e-05	-4.18e-06
2999	68	0.17	0.37	-0.79	0.0	5.08e-05	-3.71e-06
2999	88	0.15	-0.94	-0.68	0.0	4.57e-05	-2.99e-06
2999	98	0.14	-0.10	-0.64	0.0	4.25e-05	-3.32e-06
2999	105	0.13	-0.26	-0.61	0.0	4.06e-05	-3.05e-06
2999	107	0.13	-0.10	-0.61	0.0	4.05e-05	-3.17e-06
2999	113	6.70	-0.43	-0.62	0.0	9.60e-04	-4.17e-04
2999	124	4.34	7.14	-0.66	0.0	6.44e-04	3.94e-05
2999	139	1.27	-7.83	-0.57	0.0	2.16e-04	3.29e-04
2999	145	7.53	-0.47	-0.62	0.0	1.08e-03	-4.69e-04
2999	156	4.86	8.05	-0.66	0.0	7.19e-04	4.53e-05
2999	171	1.41	-8.80	-0.56	0.0	2.37e-04	3.72e-04
2999	177	7.39	-0.47	-0.62	0.0	1.05e-03	-4.61e-04
2999	188	4.77	7.90	-0.66	0.0	7.02e-04	4.75e-05
2999	203	1.38	-8.72	-0.56	0.0	2.33e-04	3.75e-04
2999	209	8.59	-0.52	-0.62	0.0	1.21e-03	-5.36e-04
2999	220	5.53	9.18	-0.67	0.0	8.09e-04	5.92e-05
2999	235	1.54	-10.17	-0.55	0.0	2.59e-04	4.47e-04
3000	4	0.28	0.55	-1.28	0.0	7.69e-05	-3.06e-06
3000	44	0.24	-1.50	-1.10	0.0	5.22e-05	-4.64e-06
3000	68	0.20	0.36	-0.89	0.0	5.31e-05	-2.23e-06
3000	88	0.17	-1.01	-0.77	0.0	3.67e-05	-3.28e-06
3000	98	0.16	-0.13	-0.73	0.0	3.79e-05	-2.85e-06
3000	105	0.15	-0.30	-0.69	0.0	3.49e-05	-2.77e-06
3000	107	0.15	-0.13	-0.69	0.0	3.59e-05	-2.73e-06
3000	113	7.16	-0.49	-0.70	0.0	6.73e-04	-4.22e-04
3000	124	4.65	7.50	-0.74	0.0	4.55e-04	4.60e-05
3000	139	1.38	-8.27	-0.64	0.0	1.57e-04	3.40e-04
3000	145	8.05	-0.54	-0.70	0.0	7.53e-04	-4.74e-04
3000	156	5.21	8.44	-0.74	0.0	5.08e-04	5.26e-05
3000	171	1.53	-9.29	-0.64	0.0	1.72e-04	3.84e-04
3000	177	7.90	-0.54	-0.70	0.0	7.31e-04	-4.65e-04
3000	188	5.11	8.29	-0.74	0.0	4.93e-04	5.46e-05
3000	203	1.49	-9.21	-0.64	0.0	1.70e-04	3.86e-04
3000	209	9.18	-0.60	-0.70	0.0	8.41e-04	-5.40e-04
3000	220	5.92	9.64	-0.75	0.0	5.65e-04	6.75e-05
3000	235	1.67	-10.73	-0.63	0.0	1.90e-04	4.60e-04
3001	4	0.20	0.56	-1.02	0.0	7.33e-05	-4.80e-06
3001	44	0.18	-1.31	-0.88	0.0	6.47e-05	-3.57e-06
3001	68	0.14	0.37	-0.71	0.0	5.16e-05	-3.38e-06
3001	88	0.13	-0.88	-0.62	0.0	4.59e-05	-2.55e-06
3001	98	0.12	-0.08	-0.58	0.0	4.29e-05	-2.96e-06
3001	105	0.11	-0.24	-0.55	0.0	4.10e-05	-2.69e-06
3001	107	0.11	-0.08	-0.55	0.0	4.09e-05	-2.81e-06
3001	113	6.10	-0.37	-0.56	0.0	1.03e-03	-4.08e-04
3001	124	3.98	6.74	-0.57	0.0	6.91e-04	3.30e-05
3001	139	1.20	-7.34	-0.54	0.0	2.34e-04	3.14e-04

3001	145	6.86	-0.40	-0.56	0.0	1.15e-03	-4.59e-04
3001	156	4.46	7.58	-0.57	0.0	7.72e-04	3.81e-05
3001	171	1.33	-8.25	-0.54	0.0	2.58e-04	3.55e-04
3001	177	6.72	-0.40	-0.56	0.0	1.13e-03	-4.53e-04
3001	188	4.37	7.44	-0.57	0.0	7.53e-04	4.04e-05
3001	203	1.30	-8.18	-0.54	0.0	2.54e-04	3.59e-04
3001	209	7.80	-0.44	-0.56	0.0	1.30e-03	-5.28e-04
3001	220	5.05	8.65	-0.57	0.0	8.67e-04	5.09e-05
3001	235	1.46	-9.54	-0.54	0.0	2.84e-04	4.30e-04
3002	4	0.24	0.56	-1.10	0.0	7.33e-05	-4.17e-06
3002	44	0.21	-1.40	-0.95	0.0	6.49e-05	-3.50e-06
3002	68	0.17	0.37	-0.77	0.0	5.15e-05	-2.95e-06
3002	88	0.15	-0.94	-0.67	0.0	4.60e-05	-2.50e-06
3002	98	0.14	-0.10	-0.63	0.0	4.29e-05	-2.76e-06
3002	105	0.13	-0.26	-0.59	0.0	4.10e-05	-2.53e-06
3002	107	0.13	-0.10	-0.59	0.0	4.09e-05	-2.63e-06
3002	113	6.60	-0.43	-0.60	0.0	9.82e-04	-4.16e-04
3002	124	4.31	7.14	-0.61	0.0	6.62e-04	3.84e-05
3002	139	1.31	-7.82	-0.58	0.0	2.25e-04	3.26e-04
3002	145	7.41	-0.47	-0.60	0.0	1.10e-03	-4.68e-04
3002	156	4.83	8.04	-0.61	0.0	7.40e-04	4.41e-05
3002	171	1.46	-8.79	-0.58	0.0	2.48e-04	3.69e-04
3002	177	7.26	-0.47	-0.60	0.0	1.07e-03	-4.61e-04
3002	188	4.73	7.89	-0.61	0.0	7.22e-04	4.64e-05
3002	203	1.43	-8.72	-0.58	0.0	2.44e-04	3.73e-04
3002	209	8.42	-0.52	-0.60	0.0	1.24e-03	-5.37e-04
3002	220	5.47	9.17	-0.61	0.0	8.30e-04	5.79e-05
3002	235	1.60	-10.16	-0.57	0.0	2.73e-04	4.45e-04
3003	4	0.28	0.55	-1.24	2.25e-04	8.21e-05	-3.14e-06
3003	28	0.28	-1.01	-1.24	2.64e-04	5.28e-05	-4.14e-06
3003	44	0.24	-1.50	-1.08	2.52e-04	3.76e-05	-3.56e-06
3003	68	0.20	0.36	-0.87	1.61e-04	5.63e-05	-2.26e-06
3003	80	0.19	-0.68	-0.87	1.87e-04	3.68e-05	-2.93e-06
3003	88	0.17	-1.01	-0.76	1.78e-04	2.66e-05	-2.54e-06
3003	98	0.16	-0.13	-0.71	1.49e-04	3.42e-05	-2.48e-06
3003	105	0.15	-0.30	-0.67	1.47e-04	3.01e-05	-2.34e-06
3003	107	0.15	-0.13	-0.67	1.43e-04	3.23e-05	-2.38e-06
3003	113	7.07	-0.49	-0.68	1.53e-04	6.73e-04	-4.25e-04
3003	124	4.63	7.50	-0.69	-2.40e-06	4.61e-04	4.36e-05
3003	139	1.42	-8.27	-0.65	2.95e-04	1.53e-04	3.39e-04
3003	145	7.95	-0.54	-0.68	1.54e-04	7.53e-04	-4.79e-04
3003	156	5.19	8.44	-0.69	-2.05e-05	5.15e-04	4.99e-05
3003	171	1.58	-9.29	-0.65	3.14e-04	1.68e-04	3.83e-04
3003	177	7.78	-0.54	-0.68	1.54e-04	7.29e-04	-4.70e-04
3003	188	5.08	8.29	-0.69	-1.74e-05	4.99e-04	5.21e-05
3003	203	1.54	-9.21	-0.65	3.13e-04	1.67e-04	3.86e-04
3003	209	9.02	-0.60	-0.68	1.55e-04	8.38e-04	-5.47e-04
3003	220	5.88	9.64	-0.69	-4.32e-05	5.72e-04	6.46e-05
3003	235	1.73	-10.73	-0.65	3.41e-04	1.87e-04	4.60e-04
3004	4	0.20	0.56	-1.05	0.0	7.35e-05	-3.45e-06
3004	28	0.20	-0.85	-1.06	0.0	7.33e-05	-3.62e-06
3004	44	0.18	-1.31	-0.92	0.0	6.45e-05	-2.84e-06
3004	68	0.14	0.37	-0.73	0.0	5.17e-05	-2.43e-06
3004	80	0.14	-0.57	-0.74	0.0	5.15e-05	-2.54e-06
3004	88	0.12	-0.88	-0.65	0.0	4.57e-05	-2.03e-06
3004	98	0.12	-0.08	-0.60	0.0	4.28e-05	-2.27e-06
3004	105	0.11	-0.24	-0.57	0.0	4.09e-05	-2.07e-06
3004	107	0.11	-0.08	-0.57	0.0	4.08e-05	-2.16e-06
3004	113	6.00	-0.37	-0.59	0.0	1.04e-03	-4.05e-04
3004	133	3.95	-6.29	-0.60	0.0	7.04e-04	3.26e-05
3004	139	1.23	-7.34	-0.60	0.0	2.42e-04	3.10e-04
3004	145	6.74	-0.40	-0.59	0.0	1.17e-03	-4.56e-04
3004	165	4.43	-7.06	-0.61	0.0	7.87e-04	3.76e-05
3004	171	1.37	-8.25	-0.60	0.0	2.67e-04	3.50e-04
3004	177	6.58	-0.40	-0.59	0.0	1.14e-03	-4.51e-04
3004	197	4.33	-6.99	-0.61	0.0	7.67e-04	4.03e-05
3004	203	1.35	-8.18	-0.60	0.0	2.64e-04	3.55e-04
3004	209	7.62	-0.44	-0.59	0.0	1.31e-03	-5.27e-04
3004	229	5.01	-8.13	-0.61	0.0	8.82e-04	5.08e-05
3004	235	1.52	-9.54	-0.61	0.0	2.95e-04	4.25e-04
3005	4	0.24	0.56	-1.13	0.0	7.36e-05	-3.35e-06
3005	28	0.24	-0.93	-1.14	0.0	7.35e-05	-3.78e-06
3005	44	0.21	-1.40	-1.00	0.0	6.48e-05	-3.07e-06
3005	68	0.17	0.37	-0.79	0.0	5.18e-05	-2.38e-06
3005	80	0.17	-0.62	-0.80	0.0	5.17e-05	-2.66e-06

3005	88	0.15	-0.94	-0.70	0.0	4.59e-05	-2.19e-06
3005	98	0.14	-0.10	-0.65	0.0	4.29e-05	-2.34e-06
3005	105	0.13	-0.27	-0.62	0.0	4.10e-05	-2.16e-06
3005	107	0.13	-0.10	-0.62	0.0	4.09e-05	-2.24e-06
3005	113	6.50	-0.43	-0.63	0.0	9.97e-04	-4.16e-04
3005	133	4.29	-6.71	-0.65	0.0	6.77e-04	3.74e-05
3005	139	1.35	-7.82	-0.65	0.0	2.34e-04	3.24e-04
3005	145	7.30	-0.47	-0.64	0.0	1.12e-03	-4.69e-04
3005	165	4.81	-7.54	-0.66	0.0	7.57e-04	4.30e-05
3005	171	1.50	-8.79	-0.65	0.0	2.58e-04	3.66e-04
3005	177	7.13	-0.47	-0.63	0.0	1.09e-03	-4.62e-04
3005	197	4.70	-7.46	-0.66	0.0	7.38e-04	4.56e-05
3005	203	1.47	-8.71	-0.65	0.0	2.54e-04	3.70e-04
3005	209	8.26	-0.52	-0.64	0.0	1.26e-03	-5.39e-04
3005	229	5.43	-8.67	-0.66	0.0	8.49e-04	5.71e-05
3005	235	1.66	-10.16	-0.66	0.0	2.85e-04	4.42e-04
3006	4	0.28	0.55	-1.29	2.15e-04	8.81e-05	-3.04e-06
3006	28	0.27	-1.01	-1.31	2.56e-04	4.57e-05	-3.99e-06
3006	44	0.24	-1.50	-1.14	2.46e-04	2.78e-05	-3.41e-06
3006	68	0.19	0.36	-0.90	1.54e-04	6.01e-05	-2.19e-06
3006	80	0.19	-0.68	-0.91	1.82e-04	3.18e-05	-2.82e-06
3006	88	0.17	-1.01	-0.80	1.74e-04	1.99e-05	-2.44e-06
3006	98	0.16	-0.13	-0.74	1.45e-04	3.23e-05	-2.40e-06
3006	105	0.15	-0.30	-0.71	1.44e-04	2.73e-05	-2.26e-06
3006	107	0.15	-0.13	-0.70	1.39e-04	3.04e-05	-2.30e-06
3006	113	6.98	-0.49	-0.72	1.51e-04	6.80e-04	-4.27e-04
3006	133	4.62	-7.11	-0.74	2.84e-04	4.45e-04	4.24e-05
3006	139	1.47	-8.27	-0.74	3.05e-04	1.52e-04	3.37e-04
3006	145	7.84	-0.54	-0.72	1.52e-04	7.61e-04	-4.81e-04
3006	165	5.18	-7.99	-0.74	3.02e-04	4.97e-04	4.86e-05
3006	171	1.63	-9.29	-0.74	3.26e-04	1.67e-04	3.81e-04
3006	177	7.66	-0.54	-0.72	1.52e-04	7.35e-04	-4.73e-04
3006	197	5.06	-7.91	-0.74	3.00e-04	4.80e-04	5.12e-05
3006	203	1.60	-9.21	-0.74	3.24e-04	1.66e-04	3.85e-04
3006	209	8.87	-0.60	-0.72	1.54e-04	8.45e-04	-5.51e-04
3006	229	5.85	-9.19	-0.75	3.26e-04	5.50e-04	6.37e-05
3006	235	1.80	-10.73	-0.75	3.55e-04	1.86e-04	4.59e-04
3007	4	0.20	0.56	-1.10	0.0	7.32e-05	-2.41e-06
3007	28	0.20	-0.85	-1.13	0.0	7.29e-05	-2.96e-06
3007	44	0.17	-1.31	-0.99	0.0	6.42e-05	-2.38e-06
3007	68	0.14	0.37	-0.77	0.0	5.15e-05	-1.70e-06
3007	80	0.14	-0.57	-0.79	0.0	5.13e-05	-2.06e-06
3007	88	0.12	-0.88	-0.70	0.0	4.54e-05	-1.68e-06
3007	98	0.12	-0.08	-0.64	0.0	4.26e-05	-1.76e-06
3007	105	0.11	-0.24	-0.61	0.0	4.07e-05	-1.61e-06
3007	107	0.11	-0.08	-0.61	0.0	4.06e-05	-1.66e-06
3007	113	5.89	-0.37	-0.62	0.0	1.05e-03	-4.05e-04
3007	139	1.26	-7.34	-0.70	0.0	2.49e-04	3.05e-04
3007	145	6.62	-0.40	-0.62	0.0	1.18e-03	-4.56e-04
3007	171	1.41	-8.25	-0.71	0.0	2.76e-04	3.45e-04
3007	177	6.45	-0.40	-0.62	0.0	1.14e-03	-4.52e-04
3007	203	1.39	-8.18	-0.70	0.0	2.73e-04	3.51e-04
3007	209	7.45	-0.44	-0.62	0.0	1.32e-03	-5.29e-04
3007	235	1.57	-9.54	-0.72	0.0	3.06e-04	4.21e-04
3008	4	0.24	0.56	-1.19	0.0	7.35e-05	-2.73e-06
3008	28	0.23	-0.93	-1.22	0.0	7.32e-05	-3.39e-06
3008	44	0.21	-1.40	-1.07	0.0	6.44e-05	-2.80e-06
3008	68	0.17	0.37	-0.83	0.0	5.16e-05	-1.94e-06
3008	80	0.16	-0.63	-0.85	0.0	5.14e-05	-2.38e-06
3008	88	0.15	-0.94	-0.75	0.0	4.56e-05	-1.99e-06
3008	98	0.14	-0.11	-0.69	0.0	4.27e-05	-2.04e-06
3008	105	0.13	-0.27	-0.66	0.0	4.08e-05	-1.89e-06
3008	107	0.13	-0.10	-0.66	0.0	4.07e-05	-1.94e-06
3008	113	6.40	-0.43	-0.67	0.0	1.01e-03	-4.17e-04
3008	139	1.39	-7.82	-0.75	0.0	2.42e-04	3.21e-04
3008	145	7.19	-0.47	-0.67	0.0	1.13e-03	-4.70e-04
3008	171	1.54	-8.79	-0.76	0.0	2.67e-04	3.63e-04
3008	177	7.00	-0.47	-0.67	0.0	1.10e-03	-4.65e-04
3008	203	1.52	-8.71	-0.76	0.0	2.64e-04	3.68e-04
3008	209	8.09	-0.52	-0.67	0.0	1.27e-03	-5.42e-04
3008	235	1.72	-10.15	-0.78	0.0	2.96e-04	4.40e-04
3009	4	0.27	0.54	-1.36	2.55e-04	9.88e-05	-2.92e-06
3009	28	0.27	-1.01	-1.39	3.03e-04	3.44e-05	-3.91e-06
3009	44	0.24	-1.50	-1.22	2.90e-04	1.17e-05	-3.38e-06
3009	68	0.19	0.36	-0.95	1.83e-04	6.69e-05	-2.10e-06

3009	80	0.19	-0.68	-0.97	2.15e-04	2.40e-05	-2.76e-06
3009	88	0.17	-1.01	-0.86	2.06e-04	8.88e-06	-2.41e-06
3009	98	0.16	-0.13	-0.79	1.72e-04	2.95e-05	-2.34e-06
3009	105	0.15	-0.30	-0.75	1.71e-04	2.29e-05	-2.21e-06
3009	107	0.15	-0.13	-0.75	1.65e-04	2.76e-05	-2.24e-06
3009	113	6.89	-0.49	-0.76	1.81e-04	6.95e-04	-4.29e-04
3009	139	1.51	-8.27	-0.85	3.73e-04	1.51e-04	3.36e-04
3009	145	7.74	-0.54	-0.76	1.83e-04	7.79e-04	-4.82e-04
3009	171	1.67	-9.29	-0.86	3.99e-04	1.67e-04	3.80e-04
3009	177	7.53	-0.54	-0.76	1.83e-04	7.50e-04	-4.76e-04
3009	203	1.65	-9.21	-0.86	3.96e-04	1.66e-04	3.84e-04
3009	209	8.71	-0.60	-0.76	1.86e-04	8.62e-04	-5.55e-04
3009	235	1.86	-10.73	-0.87	4.35e-04	1.87e-04	4.58e-04
3010	4	0.20	0.56	-1.19	0.0	7.27e-05	-1.60e-06
3010	28	0.20	-0.86	-1.24	0.0	7.23e-05	-2.50e-06
3010	44	0.17	-1.31	-1.10	0.0	6.37e-05	-2.07e-06
3010	68	0.14	0.37	-0.84	0.0	5.11e-05	-1.11e-06
3010	80	0.14	-0.58	-0.87	0.0	5.08e-05	-1.71e-06
3010	88	0.12	-0.88	-0.77	0.0	4.51e-05	-1.42e-06
3010	98	0.11	-0.09	-0.71	0.0	4.22e-05	-1.34e-06
3010	105	0.11	-0.24	-0.68	0.0	4.03e-05	-1.24e-06
3010	107	0.11	-0.08	-0.67	0.0	4.02e-05	-1.25e-06
3010	108	5.79	3.54	-0.59	0.0	1.06e-03	-4.07e-04
3010	139	1.29	-7.34	-0.84	0.0	2.58e-04	3.02e-04
3010	140	6.50	3.99	-0.58	0.0	1.19e-03	-4.59e-04
3010	171	1.44	-8.25	-0.86	0.0	2.85e-04	3.41e-04
3010	172	6.31	3.93	-0.58	0.0	1.16e-03	-4.56e-04
3010	203	1.43	-8.18	-0.86	0.0	2.83e-04	3.48e-04
3010	209	7.28	-0.45	-0.69	0.0	1.33e-03	-5.34e-04
3010	235	1.62	-9.54	-0.89	0.0	3.19e-04	4.18e-04
3011	4	0.24	0.56	-1.29	0.0	7.29e-05	-2.26e-06
3011	28	0.23	-0.93	-1.34	0.0	7.25e-05	-3.12e-06
3011	44	0.20	-1.41	-1.19	0.0	6.38e-05	-2.62e-06
3011	68	0.17	0.36	-0.90	0.0	5.12e-05	-1.60e-06
3011	80	0.16	-0.63	-0.94	0.0	5.10e-05	-2.18e-06
3011	88	0.14	-0.94	-0.84	0.0	4.52e-05	-1.84e-06
3011	98	0.14	-0.11	-0.76	0.0	4.23e-05	-1.79e-06
3011	105	0.13	-0.27	-0.73	0.0	4.04e-05	-1.67e-06
3011	107	0.13	-0.10	-0.72	0.0	4.03e-05	-1.70e-06
3011	108	6.31	3.72	-0.64	0.0	1.03e-03	-4.19e-04
3011	139	1.42	-7.81	-0.90	0.0	2.53e-04	3.18e-04
3011	140	7.08	4.20	-0.63	0.0	1.16e-03	-4.71e-04
3011	171	1.58	-8.78	-0.93	0.0	2.79e-04	3.60e-04
3011	172	6.87	4.13	-0.63	0.0	1.12e-03	-4.67e-04
3011	203	1.56	-8.71	-0.92	0.0	2.77e-04	3.65e-04
3011	209	7.93	-0.52	-0.74	0.0	1.29e-03	-5.45e-04
3011	235	1.77	-10.15	-0.96	0.0	3.12e-04	4.37e-04
3012	4	0.27	0.54	-1.47	3.31e-04	1.12e-04	-2.96e-06
3012	28	0.27	-1.01	-1.53	3.91e-04	2.09e-05	-4.01e-06
3012	44	0.24	-1.51	-1.36	3.73e-04	-7.51e-06	-3.49e-06
3012	68	0.19	0.35	-1.03	2.37e-04	7.52e-05	-2.13e-06
3012	80	0.19	-0.68	-1.07	2.77e-04	1.45e-05	-2.83e-06
3012	88	0.17	-1.01	-0.95	2.65e-04	-4.36e-06	-2.49e-06
3012	98	0.16	-0.13	-0.87	2.23e-04	2.60e-05	-2.39e-06
3012	105	0.15	-0.30	-0.83	2.21e-04	1.75e-05	-2.27e-06
3012	107	0.15	-0.13	-0.83	2.14e-04	2.42e-05	-2.30e-06
3012	108	6.81	3.89	-0.74	8.51e-05	7.24e-04	-4.29e-04
3012	139	1.55	-8.27	-1.01	4.92e-04	1.50e-04	3.36e-04
3012	140	7.65	4.39	-0.73	6.90e-05	8.11e-04	-4.83e-04
3012	171	1.72	-9.29	-1.04	5.27e-04	1.66e-04	3.80e-04
3012	172	7.42	4.32	-0.73	7.16e-05	7.81e-04	-4.76e-04
3012	203	1.70	-9.21	-1.03	5.24e-04	1.65e-04	3.84e-04
3012	209	8.56	-0.60	-0.85	2.44e-04	8.78e-04	-5.55e-04
3012	235	1.93	-10.73	-1.07	5.75e-04	1.87e-04	4.58e-04
3013	4	0.20	0.56	-1.35	0.0	7.19e-05	0.0
3013	28	0.20	-0.86	-1.43	0.0	7.17e-05	-2.16e-06
3013	44	0.17	-1.31	-1.28	0.0	6.31e-05	-1.83e-06
3013	68	0.14	0.37	-0.95	0.0	5.05e-05	0.0
3013	80	0.14	-0.58	-1.00	0.0	5.03e-05	-1.44e-06
3013	88	0.12	-0.88	-0.90	0.0	4.46e-05	-1.22e-06
3013	98	0.11	-0.09	-0.81	0.0	4.17e-05	0.0
3013	105	0.11	-0.24	-0.78	0.0	3.98e-05	0.0
3013	107	0.11	-0.08	-0.77	0.0	3.97e-05	0.0
3013	108	5.68	3.53	-0.63	0.0	1.09e-03	-4.10e-04
3013	139	1.32	-7.34	-1.08	0.0	2.69e-04	3.00e-04

3013	140	6.38	3.99	-0.61	0.0	1.22e-03	-4.62e-04
3013	171	1.47	-8.25	-1.12	0.0	2.98e-04	3.39e-04
3013	172	6.16	3.92	-0.62	0.0	1.18e-03	-4.60e-04
3013	203	1.46	-8.18	-1.11	0.0	2.96e-04	3.47e-04
3013	204	7.10	4.58	-0.59	0.0	1.36e-03	-5.40e-04
3013	235	1.66	-9.54	-1.17	0.0	3.35e-04	4.16e-04
3014	4	0.24	0.56	-1.46	0.0	7.19e-05	-1.86e-06
3014	28	0.23	-0.93	-1.54	0.0	7.17e-05	-2.91e-06
3014	44	0.20	-1.41	-1.38	0.0	6.31e-05	-2.47e-06
3014	68	0.17	0.36	-1.03	0.0	5.05e-05	-1.30e-06
3014	80	0.16	-0.63	-1.08	0.0	5.03e-05	-2.00e-06
3014	88	0.14	-0.94	-0.97	0.0	4.46e-05	-1.71e-06
3014	98	0.14	-0.11	-0.88	0.0	4.17e-05	-1.56e-06
3014	105	0.13	-0.27	-0.84	0.0	3.98e-05	-1.46e-06
3014	107	0.13	-0.10	-0.83	0.0	3.97e-05	-1.47e-06
3014	108	6.21	3.72	-0.68	0.0	1.07e-03	-4.19e-04
3014	139	1.45	-7.81	-1.15	0.0	2.67e-04	3.16e-04
3014	140	6.98	4.20	-0.67	0.0	1.20e-03	-4.71e-04
3014	171	1.62	-8.78	-1.19	0.0	2.96e-04	3.58e-04
3014	172	6.74	4.13	-0.67	0.0	1.16e-03	-4.68e-04
3014	203	1.61	-8.71	-1.19	0.0	2.94e-04	3.64e-04
3014	204	7.77	4.82	-0.64	0.0	1.34e-03	-5.47e-04
3014	235	1.83	-10.15	-1.25	0.0	3.32e-04	4.36e-04
3015	4	0.27	0.54	-1.66	4.28e-04	1.24e-04	-2.83e-06
3015	28	0.27	-1.01	-1.75	5.03e-04	6.37e-06	-3.89e-06
3015	44	0.23	-1.51	-1.56	4.78e-04	-2.78e-05	-3.38e-06
3015	68	0.19	0.35	-1.16	3.07e-04	8.29e-05	-2.03e-06
3015	80	0.19	-0.68	-1.22	3.56e-04	4.36e-06	-2.75e-06
3015	88	0.17	-1.01	-1.10	3.40e-04	-1.85e-05	-2.40e-06
3015	98	0.16	-0.13	-0.99	2.87e-04	2.18e-05	-2.29e-06
3015	105	0.15	-0.30	-0.95	2.85e-04	1.13e-05	-2.17e-06
3015	107	0.15	-0.13	-0.94	2.76e-04	2.00e-05	-2.19e-06
3015	108	6.74	3.89	-0.79	1.05e-04	7.41e-04	-4.29e-04
3015	139	1.58	-8.27	-1.28	6.50e-04	1.49e-04	3.36e-04
3015	140	7.57	4.39	-0.77	8.35e-05	8.31e-04	-4.83e-04
3015	171	1.76	-9.29	-1.32	6.97e-04	1.65e-04	3.80e-04
3015	172	7.32	4.32	-0.77	8.72e-05	7.98e-04	-4.76e-04
3015	203	1.75	-9.21	-1.32	6.92e-04	1.64e-04	3.84e-04
3015	204	8.43	5.05	-0.74	5.65e-05	9.16e-04	-5.56e-04
3015	235	1.99	-10.73	-1.38	7.61e-04	1.86e-04	4.58e-04
3016	4	0.20	0.56	-1.67	0.0	7.10e-05	0.0
3016	28	0.19	-0.86	-1.79	0.0	7.09e-05	-1.91e-06
3016	44	0.17	-1.31	-1.62	0.0	6.25e-05	-1.65e-06
3016	68	0.14	0.37	-1.18	0.0	4.98e-05	0.0
3016	80	0.14	-0.58	-1.26	0.0	4.98e-05	-1.23e-06
3016	88	0.12	-0.88	-1.14	0.0	4.42e-05	-1.06e-06
3016	98	0.11	-0.09	-1.02	0.0	4.11e-05	0.0
3016	105	0.11	-0.24	-0.99	0.0	3.93e-05	0.0
3016	107	0.11	-0.08	-0.97	0.0	3.92e-05	0.0
3016	108	5.57	3.53	-0.73	0.0	1.13e-03	-4.09e-04
3016	139	1.34	-7.34	-1.50	0.0	2.84e-04	2.98e-04
3016	140	6.25	3.99	-0.69	0.0	1.27e-03	-4.60e-04
3016	171	1.49	-8.25	-1.57	0.0	3.15e-04	3.37e-04
3016	172	6.02	3.92	-0.70	0.0	1.22e-03	-4.59e-04
3016	203	1.49	-8.18	-1.56	0.0	3.14e-04	3.45e-04
3016	204	6.92	4.58	-0.66	0.0	1.41e-03	-5.39e-04
3016	235	1.70	-9.54	-1.66	0.0	3.56e-04	4.14e-04
3017	4	0.23	0.55	-1.78	0.0	7.08e-05	-1.50e-06
3017	28	0.23	-0.94	-1.90	0.0	7.08e-05	-2.72e-06
3017	44	0.20	-1.41	-1.72	0.0	6.23e-05	-2.32e-06
3017	68	0.16	0.36	-1.25	0.0	4.97e-05	-1.03e-06
3017	80	0.16	-0.63	-1.33	0.0	4.97e-05	-1.84e-06
3017	88	0.14	-0.95	-1.21	0.0	4.40e-05	-1.57e-06
3017	98	0.13	-0.11	-1.08	0.0	4.10e-05	-1.35e-06
3017	105	0.13	-0.27	-1.04	0.0	3.91e-05	-1.26e-06
3017	107	0.13	-0.10	-1.03	0.0	3.90e-05	-1.25e-06
3017	108	6.13	3.72	-0.78	0.0	1.12e-03	-4.16e-04
3017	139	1.48	-7.81	-1.58	0.0	2.84e-04	3.16e-04
3017	140	6.88	4.19	-0.74	0.0	1.26e-03	-4.69e-04
3017	171	1.65	-8.78	-1.65	0.0	3.15e-04	3.57e-04
3017	172	6.63	4.13	-0.75	0.0	1.22e-03	-4.65e-04
3017	203	1.64	-8.71	-1.64	0.0	3.14e-04	3.63e-04
3017	204	7.62	4.82	-0.70	0.0	1.40e-03	-5.44e-04
3017	235	1.88	-10.15	-1.75	0.0	3.56e-04	4.35e-04
3018	4	0.27	0.54	-1.96	5.16e-04	1.31e-04	-2.83e-06

3018	28	0.27	-1.01	-2.09	6.07e-04	-6.46e-06	-3.89e-06
3018	44	0.23	-1.51	-1.88	5.78e-04	-4.50e-05	-3.39e-06
3018	68	0.19	0.35	-1.38	3.70e-04	8.65e-05	-2.03e-06
3018	80	0.19	-0.68	-1.47	4.30e-04	-4.88e-06	-2.74e-06
3018	88	0.17	-1.01	-1.33	4.11e-04	-3.06e-05	-2.40e-06
3018	98	0.15	-0.13	-1.19	3.47e-04	1.68e-05	-2.27e-06
3018	105	0.15	-0.30	-1.15	3.44e-04	4.86e-06	-2.15e-06
3018	107	0.15	-0.13	-1.13	3.34e-04	1.50e-05	-2.17e-06
3018	108	6.68	3.89	-0.87	1.17e-04	7.57e-04	-4.30e-04
3018	139	1.62	-8.27	-1.70	8.13e-04	1.49e-04	3.36e-04
3018	140	7.50	4.39	-0.84	8.96e-05	8.50e-04	-4.84e-04
3018	171	1.81	-9.29	-1.77	8.73e-04	1.66e-04	3.79e-04
3018	172	7.23	4.32	-0.84	9.44e-05	8.14e-04	-4.77e-04
3018	203	1.80	-9.21	-1.76	8.66e-04	1.65e-04	3.83e-04
3018	204	8.31	5.05	-0.80	5.56e-05	9.34e-04	-5.57e-04
3018	235	2.05	-10.73	-1.87	9.55e-04	1.89e-04	4.58e-04
3019	4	0.05	0.53	-2.13	0.0	7.22e-05	1.32e-06
3019	28	0.05	-0.54	-2.31	0.0	7.19e-05	-1.45e-06
3019	44	0.04	-0.89	-2.10	0.0	6.37e-05	-1.92e-06
3019	68	0.04	0.35	-1.50	0.0	5.09e-05	0.0
3019	80	0.03	-0.36	-1.62	0.0	5.07e-05	0.0
3019	88	0.03	-0.59	-1.48	0.0	4.53e-05	-1.21e-06
3019	98	0.03	-1.22e-03	-1.32	0.0	4.24e-05	0.0
3019	102	0.02	0.12	-0.87	0.0	2.95e-05	0.0
3019	106	0.02	1.62e-03	-0.89	0.0	2.93e-05	0.0
3019	107	0.03	-8.16e-04	-1.26	0.0	4.06e-05	0.0
3019	108	3.08	2.73	-0.86	0.0	1.03e-03	-3.57e-04
3019	139	0.75	-5.27	-2.13	0.0	2.56e-04	2.45e-04
3019	140	3.46	3.08	-0.81	0.0	1.15e-03	-4.02e-04
3019	171	0.84	-5.93	-2.24	0.0	2.83e-04	2.78e-04
3019	172	3.31	3.04	-0.82	0.0	1.11e-03	-4.04e-04
3019	203	0.85	-5.88	-2.22	0.0	2.81e-04	2.86e-04
3019	204	3.80	3.54	-0.74	0.0	1.28e-03	-4.75e-04
3019	235	0.98	-6.87	-2.38	0.0	3.18e-04	3.44e-04
3020	18	0.01	0.85	-1.76	7.81e-04	6.37e-05	1.84e-06
3020	28	7.95e-03	-0.43	-2.26	1.05e-03	7.11e-05	-2.36e-06
3020	75	0.01	0.57	-1.25	5.63e-04	4.52e-05	1.16e-06
3020	80	5.54e-03	-0.28	-1.59	7.43e-04	5.01e-05	-1.64e-06
3020	98	5.03e-03	0.04	-1.29	6.02e-04	4.18e-05	0.0
3020	103	5.65e-03	0.14	-1.21	5.64e-04	4.01e-05	0.0
3020	107	4.75e-03	0.03	-1.23	5.78e-04	3.99e-05	0.0
3020	108	2.57	2.55	-0.83	2.87e-04	1.21e-03	-2.80e-04
3020	136	-0.61	4.79	-0.36	-7.29e-05	-2.09e-04	-2.27e-04
3020	139	0.62	-4.73	-2.10	1.23e-03	2.89e-04	2.25e-04
3020	140	2.89	2.86	-0.78	2.50e-04	1.35e-03	-3.15e-04
3020	168	-0.69	5.39	-0.25	-1.54e-04	-2.40e-04	-2.56e-04
3020	171	0.70	-5.32	-2.21	1.31e-03	3.20e-04	2.54e-04
3020	172	2.76	2.83	-0.79	2.57e-04	1.30e-03	-3.09e-04
3020	200	-0.70	5.35	-0.26	-1.45e-04	-2.38e-04	-2.57e-04
3020	203	0.71	-5.28	-2.20	1.30e-03	3.18e-04	2.55e-04
3020	204	3.17	3.29	-0.72	2.06e-04	1.50e-03	-3.59e-04
3020	232	-0.81	6.25	-0.10	-2.65e-04	-2.80e-04	-3.06e-04
3020	235	0.82	-6.18	-2.36	1.42e-03	3.60e-04	3.04e-04
3021	4	0.09	0.53	-2.15	0.0	7.18e-05	1.68e-06
3021	28	0.08	-0.63	-2.33	0.0	7.16e-05	-1.02e-06
3021	44	0.07	-1.01	-2.12	0.0	6.34e-05	-1.39e-06
3021	68	0.06	0.36	-1.52	0.0	5.06e-05	1.25e-06
3021	80	0.06	-0.42	-1.64	0.0	5.04e-05	0.0
3021	88	0.05	-0.67	-1.50	0.0	4.50e-05	0.0
3021	98	0.05	-0.03	-1.33	0.0	4.21e-05	0.0
3021	105	0.05	-0.15	-1.29	0.0	4.03e-05	0.0
3021	107	0.05	-0.02	-1.27	0.0	4.02e-05	0.0
3021	108	3.63	2.93	-0.87	0.0	1.10e-03	-4.30e-04
3021	139	0.89	-5.80	-2.14	0.0	2.74e-04	2.89e-04
3021	140	4.08	3.31	-0.82	0.0	1.23e-03	-4.85e-04
3021	171	1.00	-6.52	-2.25	0.0	3.04e-04	3.27e-04
3021	172	3.91	3.26	-0.83	0.0	1.19e-03	-4.86e-04
3021	203	1.00	-6.47	-2.24	0.0	3.03e-04	3.36e-04
3021	204	4.48	3.80	-0.75	0.0	1.36e-03	-5.73e-04
3021	235	1.15	-7.55	-2.40	0.0	3.43e-04	4.02e-04
3022	4	0.13	0.54	-2.17	0.0	7.12e-05	1.45e-06
3022	28	0.12	-0.71	-2.35	0.0	7.12e-05	-1.05e-06
3022	44	0.11	-1.12	-2.14	0.0	6.30e-05	-1.28e-06
3022	68	0.09	0.36	-1.53	0.0	5.01e-05	1.11e-06
3022	80	0.09	-0.48	-1.65	0.0	5.01e-05	0.0

3022	88	0.08	-0.75	-1.51	0.0	4.46e-05	0.0
3022	98	0.07	-0.05	-1.34	0.0	4.15e-05	0.0
3022	105	0.07	-0.18	-1.30	0.0	3.98e-05	0.0
3022	107	0.07	-0.05	-1.28	0.0	3.96e-05	0.0
3022	108	4.22	3.14	-0.88	0.0	1.17e-03	-4.38e-04
3022	139	1.04	-6.33	-2.16	0.0	2.94e-04	2.95e-04
3022	140	4.74	3.54	-0.83	0.0	1.31e-03	-4.94e-04
3022	171	1.16	-7.12	-2.27	0.0	3.26e-04	3.33e-04
3022	172	4.55	3.48	-0.83	0.0	1.26e-03	-4.96e-04
3022	203	1.17	-7.06	-2.26	0.0	3.25e-04	3.43e-04
3022	204	5.22	4.07	-0.76	0.0	1.45e-03	-5.84e-04
3022	235	1.34	-8.23	-2.42	0.0	3.69e-04	4.11e-04
3023	4	0.16	0.55	-2.19	0.0	7.05e-05	0.0
3023	28	0.16	-0.79	-2.37	0.0	7.07e-05	-1.34e-06
3023	44	0.14	-1.22	-2.16	0.0	6.25e-05	-1.36e-06
3023	68	0.12	0.36	-1.54	0.0	4.95e-05	0.0
3023	80	0.11	-0.53	-1.67	0.0	4.96e-05	0.0
3023	88	0.10	-0.82	-1.53	0.0	4.42e-05	0.0
3023	98	0.09	-0.07	-1.35	0.0	4.10e-05	0.0
3023	105	0.09	-0.21	-1.31	0.0	3.92e-05	0.0
3023	107	0.09	-0.07	-1.29	0.0	3.90e-05	0.0
3023	108	4.86	3.34	-0.89	0.0	1.21e-03	-4.14e-04
3023	139	1.20	-6.85	-2.18	0.0	3.06e-04	2.87e-04
3023	140	5.45	3.77	-0.83	0.0	1.36e-03	-4.66e-04
3023	171	1.34	-7.70	-2.29	0.0	3.39e-04	3.25e-04
3023	172	5.23	3.71	-0.84	0.0	1.30e-03	-4.67e-04
3023	203	1.34	-7.64	-2.28	0.0	3.39e-04	3.35e-04
3023	204	6.00	4.33	-0.77	0.0	1.50e-03	-5.50e-04
3023	235	1.54	-8.91	-2.44	0.0	3.85e-04	4.02e-04
3024	4	0.05	0.53	-2.68	0.0	7.29e-05	1.82e-06
3024	28	0.04	-0.54	-2.94	0.0	7.25e-05	-1.44e-06
3024	44	0.04	-0.89	-2.69	0.0	6.44e-05	-2.10e-06
3024	68	0.04	0.35	-1.89	0.0	5.15e-05	1.30e-06
3024	80	0.03	-0.36	-2.07	0.0	5.12e-05	0.0
3024	88	0.03	-0.60	-1.90	0.0	4.58e-05	-1.31e-06
3024	98	0.03	-1.26e-03	-1.68	0.0	4.30e-05	0.0
3024	102	0.02	0.12	-1.13	0.0	3.03e-05	0.0
3024	106	0.02	1.61e-03	-1.15	0.0	3.01e-05	0.0
3024	107	0.03	-8.46e-04	-1.60	0.0	4.12e-05	0.0
3024	108	2.94	2.73	-1.02	0.0	8.25e-04	-3.70e-04
3024	139	0.74	-5.27	-2.89	0.0	2.13e-04	2.52e-04
3024	140	3.30	3.08	-0.94	0.0	9.23e-04	-4.17e-04
3024	171	0.83	-5.93	-3.05	0.0	2.35e-04	2.85e-04
3024	172	3.14	3.04	-0.96	0.0	8.90e-04	-4.19e-04
3024	203	0.84	-5.88	-3.04	0.0	2.34e-04	2.94e-04
3024	204	3.59	3.54	-0.85	0.0	1.02e-03	-4.93e-04
3024	235	0.98	-6.87	-3.27	0.0	2.63e-04	3.53e-04
3025	18	0.02	0.85	-2.28	7.18e-04	6.37e-05	2.02e-06
3025	28	6.63e-03	-0.43	-2.97	9.88e-04	7.11e-05	-2.33e-06
3025	75	0.01	0.57	-1.63	5.20e-04	4.52e-05	1.29e-06
3025	80	4.63e-03	-0.28	-2.09	7.01e-04	5.01e-05	-1.61e-06
3025	98	4.57e-03	0.04	-1.69	5.66e-04	4.18e-05	0.0
3025	103	5.43e-03	0.14	-1.59	5.30e-04	4.01e-05	0.0
3025	107	4.30e-03	0.04	-1.62	5.45e-04	3.99e-05	0.0
3025	108	2.58	2.55	-1.03	2.36e-04	1.21e-03	-2.79e-04
3025	136	-0.64	4.80	-0.33	-1.49e-04	-2.09e-04	-2.26e-04
3025	139	0.65	-4.73	-2.91	1.24e-03	2.89e-04	2.25e-04
3025	140	2.90	2.86	-0.96	1.97e-04	1.35e-03	-3.15e-04
3025	168	-0.72	5.39	-0.16	-2.35e-04	-2.40e-04	-2.55e-04
3025	171	0.73	-5.32	-3.07	1.32e-03	3.20e-04	2.54e-04
3025	172	2.75	2.83	-0.97	2.06e-04	1.30e-03	-3.09e-04
3025	200	-0.73	5.35	-0.18	-2.26e-04	-2.38e-04	-2.56e-04
3025	203	0.74	-5.28	-3.05	1.31e-03	3.18e-04	2.55e-04
3025	204	3.15	3.29	-0.87	1.51e-04	1.50e-03	-3.59e-04
3025	232	-0.85	6.25	0.06	-3.53e-04	-2.80e-04	-3.05e-04
3025	235	0.86	-6.18	-3.29	1.44e-03	3.60e-04	3.04e-04
3026	4	0.09	0.54	-2.66	0.0	7.19e-05	2.30e-06
3026	28	0.08	-0.63	-2.92	0.0	7.18e-05	-1.01e-06
3026	44	0.07	-1.01	-2.68	0.0	6.37e-05	-1.62e-06
3026	68	0.06	0.36	-1.88	0.0	5.07e-05	1.70e-06
3026	80	0.06	-0.42	-2.06	0.0	5.06e-05	0.0
3026	88	0.05	-0.67	-1.89	0.0	4.53e-05	0.0
3026	98	0.05	-0.03	-1.67	0.0	4.22e-05	0.0
3026	105	0.05	-0.15	-1.62	0.0	4.05e-05	0.0
3026	107	0.05	-0.02	-1.59	0.0	4.04e-05	0.0

3026	108	3.41	2.93	-1.01	0.0	1.04e-03	-4.87e-04
3026	139	0.87	-5.80	-2.88	0.0	2.66e-04	3.29e-04
3026	140	3.83	3.31	-0.94	0.0	1.16e-03	-5.49e-04
3026	171	0.97	-6.52	-3.05	0.0	2.94e-04	3.72e-04
3026	172	3.65	3.26	-0.95	0.0	1.12e-03	-5.49e-04
3026	203	0.98	-6.47	-3.03	0.0	2.94e-04	3.79e-04
3026	204	4.17	3.80	-0.84	0.0	1.28e-03	-6.46e-04
3026	235	1.13	-7.55	-3.27	0.0	3.33e-04	4.52e-04
3027	4	0.13	0.55	-2.66	0.0	7.07e-05	1.68e-06
3027	28	0.12	-0.71	-2.92	0.0	7.10e-05	-1.28e-06
3027	44	0.11	-1.12	-2.67	0.0	6.30e-05	-1.67e-06
3027	68	0.09	0.36	-1.88	0.0	4.98e-05	1.26e-06
3027	80	0.08	-0.48	-2.05	0.0	5.00e-05	0.0
3027	88	0.07	-0.75	-1.89	0.0	4.46e-05	0.0
3027	98	0.07	-0.05	-1.67	0.0	4.14e-05	0.0
3027	105	0.07	-0.19	-1.62	0.0	3.96e-05	0.0
3027	107	0.07	-0.05	-1.59	0.0	3.94e-05	0.0
3027	108	4.01	3.14	-1.01	0.0	1.25e-03	-4.48e-04
3027	139	1.02	-6.33	-2.88	0.0	3.18e-04	3.00e-04
3027	140	4.50	3.54	-0.93	0.0	1.40e-03	-5.04e-04
3027	171	1.15	-7.12	-3.04	0.0	3.53e-04	3.39e-04
3027	172	4.30	3.48	-0.95	0.0	1.34e-03	-5.07e-04
3027	203	1.15	-7.06	-3.02	0.0	3.53e-04	3.49e-04
3027	204	4.92	4.07	-0.84	0.0	1.54e-03	-5.96e-04
3027	235	1.33	-8.23	-3.26	0.0	4.02e-04	4.18e-04
3028	4	0.16	0.55	-2.66	0.0	6.97e-05	0.0
3028	28	0.16	-0.79	-2.92	0.0	7.03e-05	-1.67e-06
3028	44	0.14	-1.22	-2.68	0.0	6.24e-05	-1.80e-06
3028	68	0.12	0.37	-1.88	0.0	4.89e-05	0.0
3028	80	0.11	-0.53	-2.06	0.0	4.94e-05	-1.00e-06
3028	88	0.10	-0.82	-1.89	0.0	4.41e-05	-1.09e-06
3028	98	0.09	-0.07	-1.67	0.0	4.06e-05	0.0
3028	105	0.09	-0.21	-1.62	0.0	3.89e-05	0.0
3028	107	0.09	-0.07	-1.59	0.0	3.87e-05	0.0
3028	108	4.72	3.34	-1.01	0.0	1.34e-03	-4.12e-04
3028	139	1.21	-6.85	-2.88	0.0	3.43e-04	2.87e-04
3028	140	5.30	3.77	-0.93	0.0	1.51e-03	-4.65e-04
3028	171	1.35	-7.70	-3.04	0.0	3.82e-04	3.25e-04
3028	172	5.07	3.71	-0.95	0.0	1.45e-03	-4.66e-04
3028	203	1.36	-7.64	-3.03	0.0	3.82e-04	3.34e-04
3028	204	5.80	4.33	-0.84	0.0	1.66e-03	-5.48e-04
3028	235	1.56	-8.91	-3.26	0.0	4.36e-04	4.02e-04
3029	4	0.05	0.53	-3.00	-2.08e-06	7.38e-05	2.48e-06
3029	28	0.04	-0.54	-3.34	1.88e-04	7.31e-05	-1.51e-06
3029	44	0.04	-0.89	-3.08	2.37e-04	6.50e-05	-2.53e-06
3029	68	0.04	0.35	-2.13	2.24e-06	5.22e-05	1.73e-06
3029	80	0.03	-0.36	-2.35	1.29e-04	5.18e-05	0.0
3029	88	0.03	-0.60	-2.18	1.62e-04	4.63e-05	-1.61e-06
3029	98	0.03	-1.04e-03	-1.91	5.68e-05	4.38e-05	0.0
3029	102	0.02	0.12	-1.30	1.71e-05	3.12e-05	1.03e-06
3029	103	0.03	0.12	-1.79	3.23e-05	4.21e-05	0.0
3029	106	0.02	1.77e-03	-1.34	3.90e-05	3.10e-05	0.0
3029	107	0.03	-6.41e-04	-1.82	5.42e-05	4.19e-05	0.0
3029	108	2.80	2.73	-1.05	-3.83e-04	5.77e-04	-3.49e-04
3029	139	0.73	-5.27	-3.54	1.03e-03	1.58e-04	2.43e-04
3029	140	3.15	3.08	-0.96	-4.37e-04	6.44e-04	-3.94e-04
3029	171	0.82	-5.93	-3.75	1.15e-03	1.73e-04	2.75e-04
3029	172	2.98	3.04	-0.98	-4.25e-04	6.23e-04	-3.95e-04
3029	203	0.83	-5.88	-3.73	1.14e-03	1.72e-04	2.83e-04
3029	204	3.40	3.54	-0.84	-5.02e-04	7.12e-04	-4.65e-04
3029	235	0.97	-6.87	-4.04	1.32e-03	1.92e-04	3.40e-04
3030	18	0.02	0.85	-2.56	6.55e-04	6.37e-05	3.97e-06
3030	28	5.34e-03	-0.43	-3.38	9.16e-04	7.11e-05	-1.88e-06
3030	75	0.01	0.57	-1.84	4.77e-04	4.52e-05	2.63e-06
3030	80	3.74e-03	-0.28	-2.38	6.52e-04	5.01e-05	-1.27e-06
3030	98	4.16e-03	0.04	-1.93	5.25e-04	4.18e-05	0.0
3030	103	5.27e-03	0.14	-1.81	4.91e-04	4.01e-05	0.0
3030	107	3.91e-03	0.04	-1.85	5.06e-04	3.99e-05	0.0
3030	108	2.60	2.55	-1.08	1.93e-04	1.21e-03	-2.83e-04
3030	136	-0.66	4.80	-0.14	-1.99e-04	-2.09e-04	-2.20e-04
3030	139	0.67	-4.73	-3.56	1.21e-03	2.89e-04	2.19e-04
3030	140	2.92	2.86	-0.98	1.54e-04	1.35e-03	-3.18e-04
3030	168	-0.74	5.40	0.08	-2.87e-04	-2.40e-04	-2.48e-04
3030	171	0.75	-5.32	-3.77	1.30e-03	3.20e-04	2.48e-04
3030	172	2.76	2.83	-1.00	1.62e-04	1.30e-03	-3.15e-04

3030	200	-0.75	5.35	0.05	-2.77e-04	-2.38e-04	-2.51e-04
3030	203	0.76	-5.28	-3.75	1.29e-03	3.18e-04	2.51e-04
3030	204	3.15	3.29	-0.86	1.07e-04	1.50e-03	-3.68e-04
3030	232	-0.88	6.25	0.37	-4.07e-04	-2.80e-04	-3.00e-04
3030	235	0.89	-6.18	-4.06	1.42e-03	3.60e-04	3.00e-04
3031	4	0.09	0.54	-2.98	-1.43e-05	7.18e-05	2.47e-06
3031	28	0.08	-0.63	-3.32	1.68e-04	7.18e-05	-1.26e-06
3031	44	0.07	-1.01	-3.07	2.18e-04	6.38e-05	-2.07e-06
3031	68	0.06	0.36	-2.11	-6.50e-06	5.07e-05	1.78e-06
3031	80	0.06	-0.42	-2.34	1.15e-04	5.07e-05	0.0
3031	88	0.05	-0.68	-2.17	1.48e-04	4.53e-05	-1.24e-06
3031	98	0.05	-0.03	-1.89	4.68e-05	4.23e-05	0.0
3031	105	0.05	-0.15	-1.85	6.44e-05	4.06e-05	0.0
3031	107	0.05	-0.02	-1.81	4.47e-05	4.04e-05	0.0
3031	108	3.11	2.93	-1.04	-3.93e-04	9.99e-04	-4.32e-04
3031	139	0.82	-5.80	-3.52	1.02e-03	2.62e-04	2.91e-04
3031	140	3.49	3.31	-0.95	-4.47e-04	1.12e-03	-4.87e-04
3031	171	0.92	-6.52	-3.74	1.14e-03	2.90e-04	3.29e-04
3031	172	3.31	3.26	-0.96	-4.35e-04	1.08e-03	-4.88e-04
3031	203	0.93	-6.47	-3.71	1.13e-03	2.90e-04	3.38e-04
3031	204	3.77	3.80	-0.83	-5.12e-04	1.23e-03	-5.75e-04
3031	235	1.07	-7.55	-4.03	1.31e-03	3.29e-04	4.05e-04
3032	4	0.13	0.55	-2.97	-1.51e-05	6.98e-05	1.50e-06
3032	28	0.12	-0.71	-3.31	1.56e-04	7.06e-05	-1.68e-06
3032	44	0.10	-1.12	-3.06	2.04e-04	6.29e-05	-2.17e-06
3032	68	0.09	0.36	-2.11	-7.34e-06	4.91e-05	1.10e-06
3032	80	0.08	-0.48	-2.33	1.07e-04	4.96e-05	-1.02e-06
3032	88	0.07	-0.75	-2.17	1.39e-04	4.45e-05	-1.34e-06
3032	98	0.07	-0.05	-1.89	4.17e-05	4.09e-05	0.0
3032	105	0.07	-0.19	-1.84	5.87e-05	3.92e-05	0.0
3032	107	0.07	-0.05	-1.81	3.98e-05	3.90e-05	0.0
3032	108	3.84	3.14	-1.04	-3.95e-04	1.39e-03	-4.21e-04
3032	139	1.01	-6.33	-3.52	1.01e-03	3.57e-04	2.86e-04
3032	140	4.31	3.54	-0.94	-4.49e-04	1.56e-03	-4.75e-04
3032	171	1.13	-7.12	-3.73	1.13e-03	3.98e-04	3.23e-04
3032	172	4.09	3.48	-0.96	-4.37e-04	1.49e-03	-4.77e-04
3032	203	1.14	-7.06	-3.71	1.12e-03	3.99e-04	3.33e-04
3032	204	4.67	4.07	-0.82	-5.13e-04	1.71e-03	-5.61e-04
3032	235	1.32	-8.23	-4.02	1.29e-03	4.56e-04	4.00e-04
3033	4	0.16	0.56	-2.96	-8.74e-06	6.89e-05	0.0
3033	28	0.16	-0.79	-3.30	1.49e-04	7.00e-05	-2.20e-06
3033	44	0.14	-1.22	-3.05	1.94e-04	6.24e-05	-2.44e-06
3033	68	0.12	0.37	-2.10	-3.25e-06	4.84e-05	0.0
3033	80	0.11	-0.53	-2.33	1.02e-04	4.92e-05	-1.41e-06
3033	88	0.10	-0.82	-2.16	1.32e-04	4.40e-05	-1.56e-06
3033	98	0.09	-0.07	-1.88	4.02e-05	4.02e-05	0.0
3033	105	0.09	-0.21	-1.84	5.63e-05	3.86e-05	0.0
3033	107	0.09	-0.07	-1.80	3.84e-05	3.83e-05	0.0
3033	108	4.61	3.34	-1.04	-3.90e-04	1.47e-03	-4.12e-04
3033	139	1.21	-6.85	-3.51	9.90e-04	3.78e-04	2.88e-04
3033	140	5.18	3.77	-0.94	-4.43e-04	1.65e-03	-4.64e-04
3033	171	1.36	-7.70	-3.72	1.11e-03	4.21e-04	3.26e-04
3033	172	4.93	3.71	-0.96	-4.32e-04	1.58e-03	-4.65e-04
3033	203	1.37	-7.64	-3.70	1.10e-03	4.22e-04	3.35e-04
3033	204	5.63	4.33	-0.82	-5.06e-04	1.81e-03	-5.47e-04
3033	235	1.58	-8.91	-4.01	1.27e-03	4.83e-04	4.03e-04
3034	4	0.20	0.56	-2.22	0.0	6.98e-05	0.0
3034	28	0.19	-0.86	-2.40	0.0	7.01e-05	-1.78e-06
3034	44	0.17	-1.32	-2.19	0.0	6.19e-05	-1.58e-06
3034	68	0.14	0.37	-1.57	0.0	4.90e-05	0.0
3034	80	0.14	-0.58	-1.69	0.0	4.92e-05	-1.10e-06
3034	88	0.12	-0.88	-1.55	0.0	4.37e-05	0.0
3034	98	0.11	-0.09	-1.37	0.0	4.04e-05	0.0
3034	105	0.11	-0.24	-1.33	0.0	3.87e-05	0.0
3034	107	0.11	-0.08	-1.31	0.0	3.85e-05	0.0
3034	108	5.47	3.53	-0.90	0.0	1.20e-03	-4.00e-04
3034	139	1.36	-7.34	-2.20	0.0	3.05e-04	2.97e-04
3034	140	6.14	3.99	-0.85	0.0	1.35e-03	-4.50e-04
3034	171	1.52	-8.25	-2.31	0.0	3.39e-04	3.36e-04
3034	172	5.89	3.92	-0.86	0.0	1.30e-03	-4.49e-04
3034	203	1.52	-8.18	-2.30	0.0	3.39e-04	3.43e-04
3034	204	6.76	4.58	-0.78	0.0	1.49e-03	-5.26e-04
3034	235	1.74	-9.54	-2.47	0.0	3.85e-04	4.12e-04
3035	4	0.23	0.55	-2.27	0.0	6.93e-05	-1.13e-06
3035	28	0.23	-0.94	-2.46	0.0	6.97e-05	-2.54e-06

3035	44	0.20	-1.41	-2.24	0.0	6.14e-05	-2.15e-06
3035	68	0.16	0.36	-1.60	0.0	4.85e-05	0.0
3035	80	0.16	-0.63	-1.73	0.0	4.88e-05	-1.68e-06
3035	88	0.14	-0.95	-1.58	0.0	4.33e-05	-1.43e-06
3035	98	0.13	-0.11	-1.40	0.0	4.00e-05	-1.13e-06
3035	105	0.13	-0.27	-1.36	0.0	3.82e-05	-1.05e-06
3035	107	0.13	-0.10	-1.34	0.0	3.80e-05	-1.02e-06
3035	108	6.06	3.71	-0.92	0.0	1.18e-03	-4.09e-04
3035	139	1.51	-7.81	-2.24	0.0	3.01e-04	3.19e-04
3035	140	6.80	4.19	-0.87	0.0	1.32e-03	-4.60e-04
3035	171	1.68	-8.78	-2.35	0.0	3.34e-04	3.60e-04
3035	172	6.53	4.12	-0.88	0.0	1.27e-03	-4.55e-04
3035	203	1.69	-8.70	-2.34	0.0	3.34e-04	3.65e-04
3035	204	7.49	4.82	-0.81	0.0	1.46e-03	-5.32e-04
3035	235	1.93	-10.15	-2.50	0.0	3.79e-04	4.36e-04
3036	4	0.27	0.54	-2.37	5.48e-04	1.24e-04	-3.05e-06
3036	28	0.26	-1.01	-2.56	6.53e-04	-1.24e-05	-3.88e-06
3036	44	0.23	-1.51	-2.33	6.26e-04	-5.10e-05	-3.36e-06
3036	68	0.19	0.35	-1.67	3.94e-04	8.12e-05	-2.19e-06
3036	80	0.18	-0.68	-1.80	4.64e-04	-9.60e-06	-2.75e-06
3036	88	0.16	-1.01	-1.65	4.46e-04	-3.54e-05	-2.40e-06
3036	98	0.15	-0.13	-1.46	3.74e-04	1.17e-05	-2.33e-06
3036	105	0.15	-0.30	-1.42	3.72e-04	0.0	-2.20e-06
3036	107	0.15	-0.13	-1.39	3.60e-04	9.77e-06	-2.23e-06
3036	108	6.63	3.89	-0.98	1.04e-04	7.63e-04	-4.30e-04
3036	139	1.66	-8.27	-2.30	9.29e-04	1.51e-04	3.35e-04
3036	140	7.45	4.39	-0.93	7.25e-05	8.57e-04	-4.84e-04
3036	171	1.85	-9.29	-2.41	1.00e-03	1.69e-04	3.79e-04
3036	172	7.15	4.32	-0.94	7.85e-05	8.19e-04	-4.78e-04
3036	203	1.85	-9.21	-2.40	9.92e-04	1.69e-04	3.83e-04
3036	204	8.21	5.04	-0.86	3.30e-05	9.40e-04	-5.57e-04
3036	235	2.12	-10.73	-2.57	1.10e-03	1.94e-04	4.58e-04
3037	4	0.20	0.56	-2.67	0.0	6.87e-05	0.0
3037	28	0.19	-0.86	-2.93	0.0	6.95e-05	-1.99e-06
3037	44	0.17	-1.32	-2.69	0.0	6.15e-05	-1.87e-06
3037	68	0.14	0.37	-1.89	0.0	4.81e-05	0.0
3037	80	0.14	-0.58	-2.06	0.0	4.87e-05	-1.24e-06
3037	88	0.12	-0.88	-1.90	0.0	4.34e-05	-1.16e-06
3037	98	0.11	-0.09	-1.67	0.0	3.98e-05	0.0
3037	105	0.11	-0.24	-1.63	0.0	3.81e-05	0.0
3037	107	0.11	-0.08	-1.60	0.0	3.79e-05	0.0
3037	108	5.41	3.53	-1.01	0.0	1.30e-03	-3.95e-04
3037	139	1.38	-7.34	-2.88	0.0	3.34e-04	2.98e-04
3037	140	6.07	3.99	-0.94	0.0	1.46e-03	-4.44e-04
3037	171	1.55	-8.25	-3.05	0.0	3.71e-04	3.37e-04
3037	172	5.80	3.92	-0.95	0.0	1.40e-03	-4.42e-04
3037	203	1.55	-8.18	-3.03	0.0	3.72e-04	3.43e-04
3037	204	6.65	4.58	-0.85	0.0	1.61e-03	-5.18e-04
3037	235	1.78	-9.54	-3.27	0.0	4.24e-04	4.11e-04
3038	4	0.23	0.55	-2.69	0.0	6.76e-05	0.0
3038	28	0.23	-0.94	-2.95	0.0	6.86e-05	-2.49e-06
3038	44	0.20	-1.41	-2.71	0.0	6.05e-05	-2.14e-06
3038	68	0.16	0.36	-1.90	0.0	4.73e-05	0.0
3038	80	0.16	-0.63	-2.08	0.0	4.79e-05	-1.62e-06
3038	88	0.14	-0.95	-1.91	0.0	4.25e-05	-1.39e-06
3038	98	0.13	-0.11	-1.68	0.0	3.90e-05	0.0
3038	105	0.13	-0.27	-1.64	0.0	3.73e-05	0.0
3038	107	0.13	-0.10	-1.61	0.0	3.70e-05	0.0
3038	108	6.03	3.71	-1.02	0.0	1.21e-03	-3.99e-04
3038	139	1.54	-7.81	-2.90	0.0	3.11e-04	3.29e-04
3038	140	6.77	4.19	-0.95	0.0	1.36e-03	-4.49e-04
3038	171	1.72	-8.78	-3.06	0.0	3.46e-04	3.72e-04
3038	172	6.47	4.12	-0.96	0.0	1.30e-03	-4.40e-04
3038	203	1.73	-8.70	-3.04	0.0	3.47e-04	3.72e-04
3038	204	7.42	4.82	-0.86	0.0	1.49e-03	-5.12e-04
3038	235	1.99	-10.15	-3.28	0.0	3.95e-04	4.43e-04
3039	4	0.27	0.54	-2.74	5.15e-04	9.45e-05	-3.31e-06
3039	28	0.26	-1.01	-3.00	6.30e-04	-3.79e-06	-3.48e-06
3039	44	0.23	-1.51	-2.75	6.12e-04	-3.49e-05	-2.85e-06
3039	68	0.19	0.35	-1.94	3.72e-04	6.08e-05	-2.36e-06
3039	80	0.18	-0.68	-2.11	4.49e-04	-4.68e-06	-2.47e-06
3039	88	0.16	-1.01	-1.94	4.37e-04	-2.54e-05	-2.05e-06
3039	98	0.15	-0.13	-1.71	3.61e-04	7.67e-06	-2.20e-06
3039	105	0.15	-0.30	-1.66	3.61e-04	-1.66e-06	-2.03e-06
3039	107	0.15	-0.13	-1.64	3.49e-04	5.59e-06	-2.11e-06

3039	108	6.60	3.89	-1.05	7.06e-05	7.40e-04	-4.30e-04
3039	139	1.69	-8.27	-2.92	9.69e-04	1.55e-04	3.35e-04
3039	140	7.41	4.39	-0.98	3.58e-05	8.31e-04	-4.84e-04
3039	171	1.89	-9.29	-3.08	1.05e-03	1.75e-04	3.79e-04
3039	172	7.09	4.32	-0.99	4.29e-05	7.94e-04	-4.77e-04
3039	203	1.90	-9.21	-3.07	1.04e-03	1.75e-04	3.83e-04
3039	204	8.12	5.04	-0.88	-6.08e-06	9.10e-04	-5.57e-04
3039	235	2.18	-10.73	-3.30	1.15e-03	2.02e-04	4.58e-04
3040	4	0.20	0.56	-2.96	2.31e-06	6.80e-05	0.0
3040	28	0.19	-0.86	-3.30	1.48e-04	6.94e-05	-2.86e-06
3040	44	0.17	-1.32	-3.05	1.90e-04	6.17e-05	-2.90e-06
3040	68	0.14	0.37	-2.10	4.16e-06	4.77e-05	0.0
3040	80	0.13	-0.58	-2.33	1.01e-04	4.86e-05	-1.90e-06
3040	88	0.12	-0.88	-2.16	1.29e-04	4.35e-05	-1.92e-06
3040	98	0.11	-0.09	-1.88	4.20e-05	3.96e-05	-1.01e-06
3040	105	0.11	-0.24	-1.84	5.69e-05	3.80e-05	-1.08e-06
3040	107	0.11	-0.08	-1.80	4.01e-05	3.77e-05	0.0
3040	108	5.36	3.53	-1.04	-3.77e-04	1.44e-03	-4.04e-04
3040	139	1.41	-7.34	-3.50	9.67e-04	3.70e-04	2.98e-04
3040	140	6.02	3.99	-0.94	-4.29e-04	1.61e-03	-4.55e-04
3040	171	1.57	-8.25	-3.71	1.08e-03	4.13e-04	3.37e-04
3040	172	5.73	3.92	-0.96	-4.18e-04	1.55e-03	-4.54e-04
3040	203	1.59	-8.18	-3.69	1.07e-03	4.14e-04	3.45e-04
3040	204	6.55	4.58	-0.82	-4.91e-04	1.77e-03	-5.32e-04
3040	235	1.83	-9.54	-4.00	1.24e-03	4.74e-04	4.13e-04
3041	4	0.23	0.55	-2.97	1.34e-05	6.61e-05	-1.27e-06
3041	28	0.23	-0.94	-3.30	1.50e-04	6.77e-05	-3.60e-06
3041	44	0.20	-1.41	-3.05	1.89e-04	5.98e-05	-3.49e-06
3041	68	0.16	0.36	-2.11	1.16e-05	4.62e-05	0.0
3041	80	0.16	-0.63	-2.33	1.03e-04	4.73e-05	-2.45e-06
3041	88	0.14	-0.95	-2.16	1.29e-04	4.20e-05	-2.37e-06
3041	98	0.13	-0.11	-1.89	4.51e-05	3.82e-05	-1.60e-06
3041	105	0.13	-0.27	-1.84	5.90e-05	3.65e-05	-1.62e-06
3041	107	0.13	-0.11	-1.81	4.29e-05	3.62e-05	-1.50e-06
3041	108	6.09	3.71	-1.04	-3.61e-04	1.23e-03	-4.03e-04
3041	139	1.60	-7.81	-3.50	9.40e-04	3.18e-04	3.21e-04
3041	140	6.84	4.19	-0.95	-4.12e-04	1.38e-03	-4.54e-04
3041	171	1.78	-8.78	-3.71	1.05e-03	3.54e-04	3.63e-04
3041	172	6.52	4.12	-0.96	-4.01e-04	1.32e-03	-4.47e-04
3041	203	1.80	-8.70	-3.68	1.04e-03	3.55e-04	3.66e-04
3041	204	7.45	4.82	-0.83	-4.72e-04	1.51e-03	-5.21e-04
3041	235	2.07	-10.15	-4.00	1.21e-03	4.06e-04	4.36e-04
3042	4	0.26	0.54	-2.99	4.69e-04	5.90e-05	-5.29e-06
3042	28	0.26	-1.01	-3.32	5.92e-04	1.33e-05	-6.50e-06
3042	44	0.23	-1.51	-3.07	5.83e-04	-7.22e-06	-6.02e-06
3042	68	0.19	0.35	-2.12	3.40e-04	3.67e-05	-3.84e-06
3042	80	0.18	-0.68	-2.34	4.22e-04	6.18e-06	-4.65e-06
3042	88	0.16	-1.01	-2.17	4.16e-04	-7.47e-06	-4.34e-06
3042	98	0.15	-0.13	-1.89	3.38e-04	6.30e-06	-3.93e-06
3042	105	0.14	-0.30	-1.85	3.40e-04	0.0	-3.84e-06
3042	107	0.14	-0.13	-1.81	3.27e-04	4.00e-06	-3.80e-06
3042	108	6.58	3.89	-1.05	4.29e-05	7.02e-04	-4.26e-04
3042	139	1.72	-8.27	-3.49	9.63e-04	1.58e-04	3.32e-04
3042	140	7.38	4.39	-0.96	7.41e-06	7.89e-04	-4.80e-04
3042	171	1.93	-9.29	-3.70	1.04e-03	1.78e-04	3.76e-04
3042	172	7.04	4.32	-0.98	1.50e-05	7.53e-04	-4.73e-04
3042	203	1.94	-9.21	-3.68	1.03e-03	1.79e-04	3.79e-04
3042	204	8.05	5.04	-0.84	-3.48e-05	8.64e-04	-5.51e-04
3042	235	2.23	-10.73	-3.99	1.15e-03	2.07e-04	4.53e-04
3043	4	0.06	0.54	-2.69	0.0	3.64e-05	1.31e-05
3043	41	0.02	-0.91	-1.23	0.0	1.76e-05	1.18e-05
3043	52	0.07	3.35e-03	-2.56	0.0	3.66e-05	1.42e-05
3043	68	0.04	0.36	-1.89	0.0	2.55e-05	9.32e-06
3043	85	0.02	-0.61	-0.92	0.0	1.29e-05	8.49e-06
3043	92	0.05	1.77e-03	-1.81	0.0	2.56e-05	1.01e-05
3043	98	0.04	4.75e-04	-1.53	0.0	2.09e-05	8.51e-06
3043	104	0.02	-0.12	-1.03	0.0	1.35e-05	6.68e-06
3043	106	0.02	-1.98e-03	-1.05	0.0	1.36e-05	6.23e-06
3043	107	0.04	1.24e-04	-1.46	0.0	1.98e-05	8.19e-06
3043	112	8.97	0.05	-2.03	0.0	6.86e-04	-2.27e-04
3043	130	-5.00	5.28	-2.78	0.0	-3.54e-04	1.61e-04
3043	144	10.10	0.05	-2.10	0.0	7.71e-04	-2.57e-04
3043	162	-5.66	5.94	-2.95	0.0	-4.03e-04	1.80e-04
3043	176	10.18	0.03	-2.08	0.0	7.75e-04	-2.49e-04
3043	194	-5.83	5.89	-2.93	0.0	-4.13e-04	1.78e-04

3043	216	12.25	-0.16	-1.59	0.0	9.02e-04	-3.14e-04
3043	226	-7.00	6.88	-3.17	0.0	-4.99e-04	2.09e-04
3044	4	0.05	0.47	-2.72	-8.23e-04	6.67e-05	-1.09e-05
3044	44	0.04	-0.84	-2.07	-5.71e-04	5.84e-05	-6.38e-06
3044	52	0.06	-0.02	-2.59	-7.57e-04	6.73e-05	-1.03e-05
3044	68	0.04	0.31	-1.91	-5.84e-04	4.69e-05	-7.62e-06
3044	88	0.03	-0.56	-1.48	-4.17e-04	4.13e-05	-4.64e-06
3044	92	0.04	-0.01	-1.83	-5.40e-04	4.73e-05	-7.23e-06
3044	98	0.03	-0.01	-1.55	-4.69e-04	3.90e-05	-6.07e-06
3044	105	0.03	-0.12	-1.45	-4.38e-04	3.70e-05	-5.45e-06
3044	107	0.03	-0.01	-1.48	-4.52e-04	3.71e-05	-5.79e-06
3044	112	8.68	-8.00e-03	-2.04	-7.58e-04	1.04e-03	-4.27e-04
3044	129	4.91	-4.79	-0.16	2.60e-04	6.02e-04	-2.58e-04
3044	130	-4.85	4.77	-2.80	-1.16e-03	-5.28e-04	2.46e-04
3044	144	9.78	-0.01	-2.11	-7.96e-04	1.16e-03	-4.81e-04
3044	161	5.55	-5.39	2.24e-03	3.49e-04	6.76e-04	-2.91e-04
3044	162	-5.49	5.37	-2.96	-1.25e-03	-6.02e-04	2.79e-04
3044	176	9.86	-0.03	-2.10	-7.86e-04	1.17e-03	-4.80e-04
3044	193	5.71	-5.35	-0.02	3.39e-04	6.92e-04	-2.97e-04
3044	194	-5.65	5.32	-2.94	-1.24e-03	-6.18e-04	2.85e-04
3044	216	11.87	-0.21	-1.60	-5.16e-04	1.37e-03	-6.12e-04
3044	225	6.85	-6.25	0.22	4.69e-04	8.21e-04	-3.54e-04
3044	226	-6.79	6.22	-3.18	-1.37e-03	-7.47e-04	3.43e-04
3045	4	0.09	0.58	-2.68	0.0	6.12e-05	2.76e-05
3045	42	0.04	-0.99	-1.33	0.0	3.70e-05	2.22e-05
3045	52	0.09	-2.01e-03	-2.55	0.0	6.19e-05	2.91e-05
3045	68	0.06	0.38	-1.88	0.0	4.30e-05	1.96e-05
3045	86	0.03	-0.66	-0.98	0.0	2.69e-05	1.60e-05
3045	92	0.06	-2.15e-03	-1.80	0.0	4.36e-05	2.06e-05
3045	98	0.05	-2.85e-03	-1.52	0.0	3.60e-05	1.73e-05
3045	104	0.03	-0.14	-1.02	0.0	2.44e-05	1.29e-05
3045	106	0.03	-4.98e-03	-1.05	0.0	2.45e-05	1.24e-05
3045	107	0.05	-3.16e-03	-1.46	0.0	3.43e-05	1.66e-05
3045	112	9.36	0.09	-2.02	0.0	8.97e-04	1.43e-04
3045	129	5.30	-5.78	-0.14	0.0	5.14e-04	-2.77e-05
3045	130	-5.20	5.77	-2.77	0.0	-4.45e-04	6.09e-05
3045	144	10.55	0.09	-2.09	0.0	1.01e-03	1.59e-04
3045	161	5.99	-6.50	0.02	0.0	5.77e-04	-3.35e-05
3045	162	-5.89	6.50	-2.94	0.0	-5.08e-04	6.67e-05
3045	176	10.63	0.08	-2.07	0.0	1.01e-03	1.46e-04
3045	193	6.16	-6.45	4.84e-03	0.0	5.91e-04	-3.42e-05
3045	194	-6.07	6.44	-2.92	0.0	-5.23e-04	6.74e-05
3045	216	12.77	-0.12	-1.58	0.0	1.18e-03	1.30e-04
3045	225	7.39	-7.53	0.25	0.0	7.02e-04	-4.28e-05
3045	226	-7.29	7.52	-3.16	0.0	-6.33e-04	7.60e-05
3046	4	0.13	0.60	-2.67	0.0	8.61e-05	1.94e-05
3046	44	0.10	-1.09	-2.03	0.0	7.79e-05	2.13e-05
3046	52	0.13	-0.03	-2.54	0.0	8.75e-05	2.04e-05
3046	68	0.09	0.40	-1.88	0.0	6.07e-05	1.38e-05
3046	88	0.07	-0.73	-1.45	0.0	5.53e-05	1.51e-05
3046	92	0.09	-0.02	-1.79	0.0	6.17e-05	1.45e-05
3046	98	0.08	-0.02	-1.52	0.0	5.12e-05	1.21e-05
3046	105	0.07	-0.16	-1.43	0.0	4.90e-05	1.21e-05
3046	107	0.07	-0.02	-1.45	0.0	4.90e-05	1.16e-05
3046	112	9.90	0.11	-2.02	0.0	1.11e-03	1.79e-04
3046	129	5.60	-6.29	-0.14	0.0	6.33e-04	-1.48e-04
3046	130	-5.46	6.26	-2.77	0.0	-5.35e-04	1.71e-04
3046	144	11.15	0.13	-2.09	0.0	1.24e-03	2.00e-04
3046	161	6.33	-7.08	0.03	0.0	7.09e-04	-1.68e-04
3046	162	-6.19	7.05	-2.94	0.0	-6.11e-04	1.91e-04
3046	176	11.24	0.11	-2.07	0.0	1.25e-03	1.89e-04
3046	193	6.52	-7.02	6.98e-03	0.0	7.28e-04	-1.61e-04
3046	194	-6.37	6.99	-2.92	0.0	-6.30e-04	1.84e-04
3046	216	13.48	-0.10	-1.58	0.0	1.45e-03	-2.75e-04
3046	225	7.81	-8.19	0.25	0.0	8.63e-04	-1.90e-04
3046	226	-7.66	8.16	-3.16	0.0	-7.65e-04	2.13e-04
3047	4	0.18	0.60	-2.67	0.0	9.95e-05	7.39e-06
3047	44	0.15	-1.19	-2.03	0.0	9.09e-05	9.64e-06
3047	52	0.18	-0.07	-2.54	0.0	1.01e-04	7.93e-06
3047	68	0.13	0.40	-1.88	0.0	7.02e-05	5.27e-06
3047	88	0.11	-0.80	-1.45	0.0	6.45e-05	6.76e-06
3047	92	0.13	-0.05	-1.80	0.0	7.15e-05	5.63e-06
3047	98	0.11	-0.04	-1.52	0.0	5.95e-05	4.75e-06
3047	105	0.10	-0.19	-1.43	0.0	5.71e-05	4.91e-06
3047	107	0.10	-0.04	-1.45	0.0	5.69e-05	4.57e-06

3047	112	10.54	0.13	-2.02	0.0	1.20e-03	-3.25e-04
3047	129	5.97	-6.82	-0.14	0.0	6.87e-04	-2.10e-04
3047	130	-5.77	6.74	-2.77	0.0	-5.73e-04	2.19e-04
3047	144	11.87	0.15	-2.09	0.0	1.35e-03	-3.66e-04
3047	161	6.74	-7.67	0.03	0.0	7.69e-04	-2.37e-04
3047	162	-6.54	7.59	-2.94	0.0	-6.55e-04	2.46e-04
3047	176	11.96	0.13	-2.07	0.0	1.36e-03	-3.56e-04
3047	193	6.94	-7.60	5.57e-03	0.0	7.90e-04	-2.34e-04
3047	194	-6.73	7.52	-2.92	0.0	-6.76e-04	2.44e-04
3047	216	14.31	-0.08	-1.58	0.0	1.57e-03	-4.38e-04
3047	225	8.30	-8.87	0.25	0.0	9.36e-04	-2.78e-04
3047	226	-8.10	8.79	-3.16	0.0	-8.22e-04	2.87e-04
3048	4	0.07	0.54	-2.16	0.0	5.34e-05	9.19e-06
3048	45	0.02	-0.91	-0.64	0.0	1.88e-05	7.04e-06
3048	52	0.07	3.62e-03	-2.07	0.0	5.39e-05	1.01e-05
3048	68	0.05	0.36	-1.52	0.0	3.75e-05	6.55e-06
3048	85	0.02	-0.60	-0.74	0.0	2.04e-05	6.30e-06
3048	92	0.05	1.96e-03	-1.46	0.0	3.78e-05	7.14e-06
3048	98	0.04	6.40e-04	-1.23	0.0	3.11e-05	5.99e-06
3048	104	0.03	-0.12	-0.81	0.0	2.08e-05	4.75e-06
3048	106	0.03	-1.86e-03	-0.83	0.0	2.09e-05	4.36e-06
3048	107	0.04	2.83e-04	-1.17	0.0	2.97e-05	5.75e-06
3048	112	8.89	0.05	-1.55	0.0	8.74e-04	-2.59e-04
3048	130	-4.94	5.28	-2.06	0.0	-4.46e-04	1.75e-04
3048	144	10.01	0.05	-1.60	0.0	9.82e-04	-2.92e-04
3048	162	-5.60	5.94	-2.17	0.0	-5.08e-04	1.97e-04
3048	176	10.09	0.03	-1.59	0.0	9.87e-04	-2.86e-04
3048	194	-5.76	5.89	-2.16	0.0	-5.22e-04	1.97e-04
3048	216	12.11	-0.15	-1.26	0.0	1.15e-03	-3.67e-04
3048	226	-6.92	6.88	-2.32	0.0	-6.31e-04	2.32e-04
3049	4	0.05	0.47	-2.12	-8.89e-04	6.67e-05	-1.11e-05
3049	44	0.03	-0.83	-1.64	-6.35e-04	5.84e-05	-6.62e-06
3049	52	0.05	-0.02	-2.03	-8.27e-04	6.73e-05	-1.05e-05
3049	68	0.03	0.31	-1.49	-6.29e-04	4.69e-05	-7.78e-06
3049	88	0.02	-0.56	-1.17	-4.60e-04	4.13e-05	-4.81e-06
3049	92	0.04	-0.01	-1.43	-5.87e-04	4.73e-05	-7.39e-06
3049	98	0.03	-0.01	-1.21	-5.07e-04	3.90e-05	-6.21e-06
3049	105	0.03	-0.12	-1.13	-4.73e-04	3.70e-05	-5.58e-06
3049	107	0.03	-0.01	-1.15	-4.87e-04	3.71e-05	-5.92e-06
3049	112	8.45	-6.79e-03	-1.53	-7.75e-04	1.04e-03	-4.32e-04
3049	129	4.77	-4.79	-0.26	1.86e-04	6.02e-04	-2.61e-04
3049	130	-4.72	4.77	-2.04	-1.16e-03	-5.28e-04	2.49e-04
3049	144	9.53	-9.22e-03	-1.58	-8.11e-04	1.16e-03	-4.86e-04
3049	161	5.40	-5.39	-0.15	2.70e-04	6.76e-04	-2.94e-04
3049	162	-5.34	5.37	-2.15	-1.24e-03	-6.02e-04	2.82e-04
3049	176	9.60	-0.03	-1.57	-8.01e-04	1.17e-03	-4.86e-04
3049	193	5.56	-5.35	-0.17	2.60e-04	6.92e-04	-3.00e-04
3049	194	-5.50	5.32	-2.13	-1.23e-03	-6.18e-04	2.88e-04
3049	216	11.53	-0.21	-1.23	-5.48e-04	1.37e-03	-6.19e-04
3049	225	6.66	-6.24	-3.09e-03	3.84e-04	8.21e-04	-3.58e-04
3049	226	-6.61	6.22	-2.30	-1.36e-03	-7.47e-04	3.46e-04
3050	4	0.10	0.58	-2.18	0.0	6.53e-05	1.91e-05
3050	42	0.05	-0.99	-1.09	0.0	3.95e-05	1.58e-05
3050	52	0.10	-1.54e-03	-2.09	0.0	6.61e-05	2.01e-05
3050	68	0.07	0.38	-1.53	0.0	4.60e-05	1.36e-05
3050	86	0.04	-0.66	-0.81	0.0	2.87e-05	1.13e-05
3050	92	0.07	-1.82e-03	-1.47	0.0	4.65e-05	1.42e-05
3050	98	0.06	-2.58e-03	-1.24	0.0	3.84e-05	1.19e-05
3050	104	0.04	-0.14	-0.82	0.0	2.61e-05	8.90e-06
3050	106	0.04	-4.81e-03	-0.84	0.0	2.62e-05	8.50e-06
3050	107	0.06	-2.90e-03	-1.18	0.0	3.67e-05	1.14e-05
3050	112	9.35	0.09	-1.57	0.0	9.43e-04	1.64e-04
3050	129	5.29	-5.78	-0.29	0.0	5.43e-04	-1.33e-04
3050	130	-5.18	5.77	-2.08	0.0	-4.70e-04	1.56e-04
3050	144	10.54	0.09	-1.61	0.0	1.06e-03	1.83e-04
3050	161	5.98	-6.50	-0.18	0.0	6.09e-04	-1.51e-04
3050	162	-5.87	6.50	-2.19	0.0	-5.36e-04	1.73e-04
3050	176	10.62	0.08	-1.60	0.0	1.06e-03	1.73e-04
3050	193	6.15	-6.45	-0.20	0.0	6.24e-04	-1.45e-04
3050	194	-6.04	6.44	-2.17	0.0	-5.51e-04	1.68e-04
3050	216	12.73	-0.12	-1.27	0.0	1.24e-03	-2.56e-04
3050	225	7.37	-7.53	-0.03	0.0	7.41e-04	-1.71e-04
3050	226	-7.26	7.52	-2.34	0.0	-6.67e-04	1.94e-04
3051	4	0.14	0.60	-2.20	0.0	7.87e-05	1.64e-05
3051	44	0.12	-1.09	-1.70	0.0	7.06e-05	1.80e-05

3051	52	0.14	-0.03	-2.11	0.0	7.98e-05	1.72e-05
3051	68	0.10	0.40	-1.54	0.0	5.55e-05	1.16e-05
3051	88	0.08	-0.73	-1.21	0.0	5.01e-05	1.27e-05
3051	92	0.10	-0.02	-1.48	0.0	5.62e-05	1.21e-05
3051	98	0.08	-0.02	-1.25	0.0	4.66e-05	1.02e-05
3051	105	0.08	-0.16	-1.17	0.0	4.46e-05	1.01e-05
3051	107	0.08	-0.02	-1.19	0.0	4.46e-05	9.73e-06
3051	112	9.86	0.11	-1.58	0.0	1.02e-03	1.86e-04
3051	129	5.59	-6.29	-0.30	0.0	5.82e-04	-1.56e-04
3051	130	-5.43	6.26	-2.09	0.0	-4.93e-04	1.75e-04
3051	144	11.11	0.13	-1.63	0.0	1.14e-03	2.08e-04
3051	161	6.31	-7.08	-0.19	0.0	6.52e-04	-1.76e-04
3051	162	-6.15	7.05	-2.20	0.0	-5.63e-04	1.96e-04
3051	176	11.20	0.11	-1.61	0.0	1.15e-03	1.98e-04
3051	193	6.49	-7.02	-0.20	0.0	6.68e-04	-1.71e-04
3051	194	-6.34	6.99	-2.19	0.0	-5.79e-04	1.90e-04
3051	216	13.40	-0.10	-1.28	0.0	1.32e-03	-3.01e-04
3051	225	7.77	-8.19	-0.03	0.0	7.92e-04	-2.01e-04
3051	226	-7.62	8.16	-2.35	0.0	-7.03e-04	2.21e-04
3052	4	0.18	0.60	-2.22	0.0	8.88e-05	7.69e-06
3052	44	0.16	-1.19	-1.72	0.0	8.03e-05	9.54e-06
3052	52	0.19	-0.07	-2.13	0.0	9.01e-05	8.10e-06
3052	68	0.13	0.40	-1.56	0.0	6.27e-05	5.45e-06
3052	88	0.11	-0.80	-1.23	0.0	5.70e-05	6.69e-06
3052	92	0.13	-0.05	-1.50	0.0	6.36e-05	5.73e-06
3052	98	0.11	-0.04	-1.26	0.0	5.29e-05	4.82e-06
3052	105	0.10	-0.19	-1.19	0.0	5.07e-05	4.93e-06
3052	107	0.10	-0.04	-1.21	0.0	5.06e-05	4.62e-06
3052	112	10.42	0.13	-1.59	0.0	1.06e-03	-3.22e-04
3052	129	5.90	-6.82	-0.30	0.0	6.02e-04	-2.10e-04
3052	130	-5.69	6.74	-2.11	0.0	-5.01e-04	2.19e-04
3052	144	11.73	0.15	-1.64	0.0	1.19e-03	-3.63e-04
3052	161	6.66	-7.67	-0.19	0.0	6.74e-04	-2.37e-04
3052	162	-6.45	7.59	-2.22	0.0	-5.73e-04	2.46e-04
3052	176	11.82	0.13	-1.63	0.0	1.19e-03	-3.54e-04
3052	193	6.85	-7.60	-0.20	0.0	6.91e-04	-2.35e-04
3052	194	-6.65	7.52	-2.21	0.0	-5.90e-04	2.44e-04
3052	216	14.12	-0.08	-1.29	0.0	1.36e-03	-4.42e-04
3052	225	8.20	-8.87	-0.04	0.0	8.18e-04	-2.78e-04
3052	226	-8.00	8.79	-2.37	0.0	-7.17e-04	2.87e-04
3053	4	0.07	0.53	-1.31	0.0	6.50e-05	2.53e-06
3053	41	0.03	-0.91	-0.60	0.0	3.42e-05	4.03e-06
3053	52	0.08	2.04e-03	-1.27	0.0	6.55e-05	3.04e-06
3053	68	0.05	0.35	-0.92	0.0	4.57e-05	1.81e-06
3053	85	0.02	-0.60	-0.45	0.0	2.51e-05	2.81e-06
3053	92	0.05	8.60e-04	-0.89	0.0	4.60e-05	2.14e-06
3053	98	0.04	-2.69e-04	-0.75	0.0	3.80e-05	1.76e-06
3053	104	0.03	-0.12	-0.49	0.0	2.55e-05	1.59e-06
3053	106	0.03	-2.44e-03	-0.50	0.0	2.56e-05	1.28e-06
3053	107	0.04	-5.79e-04	-0.71	0.0	3.62e-05	1.69e-06
3053	112	8.75	0.05	-0.74	0.0	1.00e-03	-3.21e-04
3053	129	4.95	-5.27	-0.29	0.0	5.82e-04	-2.01e-04
3053	130	-4.86	5.27	-1.13	0.0	-5.10e-04	2.04e-04
3053	144	9.87	0.05	-0.74	0.0	1.13e-03	-3.62e-04
3053	161	5.59	-5.94	-0.24	0.0	6.54e-04	-2.27e-04
3053	162	-5.51	5.94	-1.18	0.0	-5.81e-04	2.30e-04
3053	176	9.94	0.03	-0.75	0.0	1.13e-03	-3.58e-04
3053	193	5.75	-5.89	-0.25	0.0	6.69e-04	-2.29e-04
3053	194	-5.67	5.89	-1.17	0.0	-5.97e-04	2.32e-04
3053	216	11.90	-0.16	-0.74	0.0	1.32e-03	-4.63e-04
3053	225	6.89	-6.88	-0.17	0.0	7.94e-04	-2.73e-04
3053	226	-6.81	6.88	-1.25	0.0	-7.21e-04	2.76e-04
3054	4	0.11	0.58	-1.46	0.0	6.96e-05	9.38e-06
3054	42	0.06	-0.99	-0.74	0.0	4.19e-05	8.53e-06
3054	52	0.11	-1.66e-03	-1.41	0.0	7.03e-05	9.94e-06
3054	68	0.08	0.38	-1.02	0.0	4.90e-05	6.63e-06
3054	86	0.04	-0.66	-0.54	0.0	3.05e-05	6.06e-06
3054	92	0.08	-1.91e-03	-0.99	0.0	4.94e-05	7.01e-06
3054	98	0.06	-2.66e-03	-0.83	0.0	4.09e-05	5.82e-06
3054	104	0.04	-0.14	-0.54	0.0	2.78e-05	4.37e-06
3054	106	0.04	-4.87e-03	-0.55	0.0	2.79e-05	4.06e-06
3054	107	0.06	-2.98e-03	-0.79	0.0	3.90e-05	5.57e-06
3054	112	9.27	0.09	-0.82	0.0	9.90e-04	-2.73e-04
3054	129	5.24	-5.78	-0.33	0.0	5.71e-04	-1.77e-04
3054	130	-5.12	5.77	-1.24	0.0	-4.93e-04	1.88e-04

3054	144	10.44	0.09	-0.83	0.0	1.11e-03	-3.09e-04
3054	161	5.92	-6.50	-0.28	0.0	6.41e-04	-2.00e-04
3054	162	-5.80	6.50	-1.30	0.0	-5.63e-04	2.12e-04
3054	176	10.52	0.08	-0.83	0.0	1.12e-03	-3.01e-04
3054	193	6.10	-6.45	-0.28	0.0	6.56e-04	-1.99e-04
3054	194	-5.97	6.44	-1.29	0.0	-5.78e-04	2.10e-04
3054	216	12.58	-0.12	-0.83	0.0	1.30e-03	-3.87e-04
3054	225	7.30	-7.53	-0.20	0.0	7.78e-04	-2.37e-04
3054	226	-7.18	7.52	-1.38	0.0	-7.00e-04	2.48e-04
3055	4	0.15	0.60	-1.56	0.0	7.63e-05	9.81e-06
3055	44	0.12	-1.08	-1.23	0.0	6.80e-05	1.13e-05
3055	52	0.15	-0.03	-1.51	0.0	7.72e-05	1.03e-05
3055	68	0.10	0.40	-1.09	0.0	5.38e-05	6.92e-06
3055	88	0.09	-0.72	-0.87	0.0	4.82e-05	7.95e-06
3055	92	0.11	-0.02	-1.06	0.0	5.43e-05	7.23e-06
3055	98	0.09	-0.02	-0.89	0.0	4.51e-05	6.01e-06
3055	105	0.08	-0.16	-0.83	0.0	4.31e-05	6.05e-06
3055	107	0.08	-0.02	-0.84	0.0	4.31e-05	5.74e-06
3055	112	9.78	0.11	-1.06	0.0	9.84e-04	-2.85e-04
3055	129	5.54	-6.29	-0.36	0.0	5.63e-04	-1.87e-04
3055	130	-5.37	6.26	-1.33	0.0	-4.77e-04	1.99e-04
3055	144	11.02	0.13	-1.08	0.0	1.10e-03	-3.22e-04
3055	161	6.25	-7.08	-0.30	0.0	6.31e-04	-2.12e-04
3055	162	-6.09	7.05	-1.39	0.0	-5.45e-04	2.23e-04
3055	176	11.10	0.11	-1.08	0.0	1.11e-03	-3.13e-04
3055	193	6.43	-7.02	-0.30	0.0	6.46e-04	-2.10e-04
3055	194	-6.27	6.98	-1.39	0.0	-5.60e-04	2.21e-04
3055	216	13.25	-0.10	-0.89	0.0	1.27e-03	-3.99e-04
3055	225	7.70	-8.19	-0.21	0.0	7.66e-04	-2.49e-04
3055	226	-7.54	8.16	-1.48	0.0	-6.79e-04	2.60e-04
3056	4	0.19	0.60	-1.65	0.0	8.31e-05	5.97e-06
3056	44	0.16	-1.19	-1.30	0.0	7.46e-05	7.44e-06
3056	52	0.19	-0.07	-1.59	0.0	8.42e-05	6.20e-06
3056	68	0.13	0.40	-1.15	0.0	5.87e-05	4.20e-06
3056	88	0.11	-0.80	-0.92	0.0	5.30e-05	5.18e-06
3056	92	0.14	-0.05	-1.12	0.0	5.94e-05	4.35e-06
3056	98	0.11	-0.04	-0.94	0.0	4.94e-05	3.62e-06
3056	105	0.11	-0.19	-0.88	0.0	4.73e-05	3.72e-06
3056	107	0.11	-0.04	-0.89	0.0	4.73e-05	3.45e-06
3056	112	10.29	0.13	-1.11	0.0	9.79e-04	-3.40e-04
3056	129	5.83	-6.82	-0.38	0.0	5.55e-04	-2.22e-04
3056	130	-5.61	6.74	-1.41	0.0	-4.61e-04	2.29e-04
3056	144	11.59	0.15	-1.14	0.0	1.10e-03	-3.83e-04
3056	161	6.58	-7.67	-0.31	0.0	6.22e-04	-2.50e-04
3056	162	-6.37	7.59	-1.47	0.0	-5.27e-04	2.57e-04
3056	176	11.68	0.13	-1.13	0.0	1.10e-03	-3.74e-04
3056	193	6.77	-7.60	-0.32	0.0	6.36e-04	-2.49e-04
3056	194	-6.55	7.52	-1.46	0.0	-5.42e-04	2.56e-04
3056	216	13.91	-0.08	-0.94	0.0	1.25e-03	-4.79e-04
3056	225	8.10	-8.87	-0.23	0.0	7.53e-04	-2.96e-04
3056	226	-7.88	8.79	-1.56	0.0	-6.58e-04	3.02e-04
3057	4	0.23	0.59	-2.68	0.0	1.01e-04	-2.81e-06
3057	44	0.20	-1.30	-2.04	0.0	9.27e-05	0.0
3057	52	0.24	-0.12	-2.55	0.0	1.03e-04	-2.71e-06
3057	68	0.16	0.39	-1.89	0.0	7.14e-05	-1.95e-06
3057	88	0.14	-0.87	-1.46	0.0	6.59e-05	0.0
3057	92	0.17	-0.08	-1.80	0.0	7.27e-05	-1.88e-06
3057	98	0.14	-0.07	-1.53	0.0	6.06e-05	-1.51e-06
3057	105	0.13	-0.23	-1.43	0.0	5.82e-05	-1.15e-06
3057	107	0.13	-0.07	-1.46	0.0	5.80e-05	-1.42e-06
3057	112	11.15	0.13	-2.02	0.0	1.17e-03	-4.39e-04
3057	129	6.32	-7.32	-0.14	0.0	6.64e-04	-2.77e-04
3057	130	-6.05	7.18	-2.77	0.0	-5.48e-04	2.75e-04
3057	144	12.55	0.15	-2.09	0.0	1.31e-03	-4.95e-04
3057	161	7.13	-8.23	0.02	0.0	7.43e-04	-3.13e-04
3057	162	-6.87	8.10	-2.94	0.0	-6.27e-04	3.10e-04
3057	176	12.65	0.14	-2.07	0.0	1.31e-03	-4.87e-04
3057	193	7.34	-8.16	7.43e-04	0.0	7.62e-04	-3.14e-04
3057	194	-7.08	8.02	-2.92	0.0	-6.46e-04	3.11e-04
3057	216	15.12	-0.08	-1.58	0.0	1.51e-03	-6.11e-04
3057	225	8.78	-9.51	0.24	0.0	9.03e-04	-3.73e-04
3057	226	-8.52	9.38	-3.16	0.0	-7.87e-04	3.70e-04
3058	4	0.28	0.56	-2.70	0.0	9.61e-05	-9.52e-06
3058	44	0.24	-1.42	-2.06	0.0	8.84e-05	-7.08e-06
3058	52	0.29	-0.19	-2.57	0.0	9.79e-05	-9.79e-06

3058	68	0.20	0.36	-1.90	0.0	6.80e-05	-6.70e-06
3058	88	0.17	-0.95	-1.47	0.0	6.29e-05	-5.07e-06
3058	92	0.20	-0.13	-1.81	0.0	6.92e-05	-6.87e-06
3058	98	0.17	-0.11	-1.54	0.0	5.78e-05	-5.65e-06
3058	105	0.16	-0.27	-1.44	0.0	5.55e-05	-5.19e-06
3058	107	0.16	-0.10	-1.47	0.0	5.54e-05	-5.39e-06
3058	112	11.70	0.13	-2.03	0.0	1.08e-03	-5.56e-04
3058	129	6.63	-7.82	-0.15	0.0	6.11e-04	-3.47e-04
3058	130	-6.31	7.61	-2.78	0.0	-5.00e-04	3.36e-04
3058	144	13.18	0.15	-2.10	0.0	1.21e-03	-6.25e-04
3058	161	7.48	-8.79	0.01	0.0	6.84e-04	-3.91e-04
3058	162	-7.16	8.58	-2.95	0.0	-5.73e-04	3.80e-04
3058	176	13.28	0.14	-2.08	0.0	1.21e-03	-6.20e-04
3058	193	7.70	-8.71	-9.97e-03	0.0	7.01e-04	-3.95e-04
3058	194	-7.38	8.50	-2.93	0.0	-5.90e-04	3.84e-04
3058	216	15.83	-0.09	-1.60	0.0	1.39e-03	-7.88e-04
3058	225	9.21	-10.15	0.23	0.0	8.30e-04	-4.70e-04
3058	226	-8.89	9.94	-3.17	0.0	-7.19e-04	4.60e-04
3059	4	0.33	0.52	-2.74	-4.62e-04	1.95e-04	-1.99e-06
3059	44	0.29	-1.53	-2.10	-2.69e-04	4.29e-05	-2.42e-06
3059	52	0.33	-0.26	-2.62	-4.03e-04	1.64e-04	-2.70e-06
3059	68	0.23	0.33	-1.93	-3.30e-04	1.39e-04	-1.43e-06
3059	88	0.20	-1.03	-1.50	-2.02e-04	3.77e-05	-1.72e-06
3059	92	0.24	-0.19	-1.85	-2.91e-04	1.18e-04	-1.91e-06
3059	98	0.20	-0.15	-1.56	-2.62e-04	1.04e-04	-1.50e-06
3059	105	0.19	-0.32	-1.47	-2.41e-04	8.68e-05	-1.44e-06
3059	107	0.19	-0.15	-1.49	-2.54e-04	1.01e-04	-1.45e-06
3059	112	12.21	0.11	-2.05	-5.33e-04	8.39e-04	-5.22e-04
3059	129	6.92	-8.32	-0.18	3.90e-04	5.24e-04	-3.33e-04
3059	130	-6.54	8.02	-2.81	-8.99e-04	-3.22e-04	3.30e-04
3059	144	13.74	0.14	-2.12	-5.68e-04	9.33e-04	-5.88e-04
3059	161	7.80	-9.34	-0.01	4.70e-04	5.80e-04	-3.76e-04
3059	162	-7.43	9.05	-2.97	-9.79e-04	-3.77e-04	3.73e-04
3059	176	13.84	0.13	-2.10	-5.59e-04	9.37e-04	-5.81e-04
3059	193	8.03	-9.26	-0.03	4.61e-04	5.91e-04	-3.78e-04
3059	194	-7.65	8.96	-2.95	-9.70e-04	-3.88e-04	3.76e-04
3059	216	16.48	-0.11	-1.62	-3.07e-04	1.09e-03	-7.53e-04
3059	225	9.60	-10.78	0.21	5.79e-04	6.87e-04	-4.50e-04
3059	226	-9.22	10.49	-3.19	-1.09e-03	-4.85e-04	4.48e-04
3060	4	0.23	0.59	-2.25	0.0	9.34e-05	0.0
3060	44	0.20	-1.30	-1.75	0.0	8.49e-05	1.55e-06
3060	52	0.24	-0.12	-2.16	0.0	9.49e-05	0.0
3060	68	0.16	0.39	-1.58	0.0	6.60e-05	0.0
3060	88	0.14	-0.87	-1.24	0.0	6.03e-05	1.04e-06
3060	92	0.17	-0.08	-1.52	0.0	6.70e-05	0.0
3060	98	0.14	-0.07	-1.28	0.0	5.59e-05	0.0
3060	105	0.13	-0.23	-1.20	0.0	5.36e-05	0.0
3060	107	0.13	-0.07	-1.22	0.0	5.35e-05	0.0
3060	112	10.95	0.13	-1.61	0.0	1.05e-03	-4.24e-04
3060	129	6.20	-7.32	-0.31	0.0	5.95e-04	-2.70e-04
3060	130	-5.94	7.18	-2.13	0.0	-4.88e-04	2.70e-04
3060	144	12.33	0.15	-1.66	0.0	1.18e-03	-4.77e-04
3060	161	7.00	-8.23	-0.20	0.0	6.66e-04	-3.05e-04
3060	162	-6.74	8.10	-2.25	0.0	-5.59e-04	3.05e-04
3060	176	12.42	0.14	-1.65	0.0	1.19e-03	-4.70e-04
3060	193	7.20	-8.16	-0.21	0.0	6.83e-04	-3.06e-04
3060	194	-6.94	8.02	-2.23	0.0	-5.76e-04	3.05e-04
3060	216	14.80	-0.08	-1.31	0.0	1.34e-03	-5.96e-04
3060	225	8.61	-9.51	-0.04	0.0	8.08e-04	-3.63e-04
3060	226	-8.35	9.38	-2.40	0.0	-7.01e-04	3.63e-04
3061	4	0.28	0.56	-2.30	0.0	9.47e-05	-4.78e-06
3061	44	0.24	-1.41	-1.79	0.0	8.62e-05	-3.13e-06
3061	52	0.28	-0.19	-2.21	0.0	9.62e-05	-5.07e-06
3061	68	0.20	0.36	-1.61	0.0	6.69e-05	-3.36e-06
3061	88	0.17	-0.95	-1.27	0.0	6.13e-05	-2.26e-06
3061	92	0.20	-0.13	-1.55	0.0	6.79e-05	-3.56e-06
3061	98	0.17	-0.11	-1.31	0.0	5.67e-05	-2.89e-06
3061	105	0.16	-0.27	-1.23	0.0	5.45e-05	-2.57e-06
3061	107	0.16	-0.10	-1.25	0.0	5.44e-05	-2.76e-06
3061	112	11.46	0.13	-1.64	0.0	1.03e-03	-4.97e-04
3061	129	6.49	-7.82	-0.33	0.0	5.79e-04	-3.15e-04
3061	130	-6.17	7.61	-2.17	0.0	-4.70e-04	3.10e-04
3061	144	12.90	0.15	-1.69	0.0	1.15e-03	-5.59e-04
3061	161	7.32	-8.79	-0.22	0.0	6.48e-04	-3.56e-04
3061	162	-7.01	8.58	-2.28	0.0	-5.39e-04	3.50e-04

3061	176	13.00	0.14	-1.68	0.0	1.16e-03	-5.52e-04
3061	193	7.53	-8.71	-0.23	0.0	6.64e-04	-3.58e-04
3061	194	-7.22	8.50	-2.27	0.0	-5.55e-04	3.53e-04
3061	216	15.46	-0.09	-1.34	0.0	1.30e-03	-7.08e-04
3061	225	9.01	-10.15	-0.06	0.0	7.85e-04	-4.26e-04
3061	226	-8.69	9.94	-2.43	0.0	-6.76e-04	4.20e-04
3062	4	0.32	0.52	-2.40	-4.86e-04	2.03e-04	-2.74e-06
3062	44	0.29	-1.53	-1.87	-3.01e-04	-5.23e-06	-2.16e-06
3062	52	0.33	-0.26	-2.31	-4.32e-04	1.59e-04	-3.26e-06
3062	68	0.23	0.33	-1.69	-3.47e-04	1.43e-04	-1.95e-06
3062	88	0.20	-1.03	-1.34	-2.23e-04	4.74e-06	-1.56e-06
3062	92	0.23	-0.19	-1.62	-3.11e-04	1.14e-04	-2.30e-06
3062	98	0.19	-0.15	-1.37	-2.77e-04	9.94e-05	-1.82e-06
3062	105	0.18	-0.32	-1.28	-2.55e-04	7.63e-05	-1.65e-06
3062	107	0.19	-0.15	-1.30	-2.67e-04	9.62e-05	-1.75e-06
3062	112	11.97	0.11	-1.70	-5.23e-04	8.50e-04	-5.24e-04
3062	129	6.77	-8.32	-0.38	3.28e-04	5.41e-04	-3.34e-04
3062	130	-6.40	8.02	-2.23	-8.63e-04	-3.48e-04	3.31e-04
3062	144	13.47	0.14	-1.75	-5.55e-04	9.46e-04	-5.90e-04
3062	161	7.64	-9.34	-0.26	4.02e-04	5.98e-04	-3.77e-04
3062	162	-7.27	9.05	-2.34	-9.37e-04	-4.06e-04	3.74e-04
3062	176	13.57	0.13	-1.73	-5.47e-04	9.50e-04	-5.82e-04
3062	193	7.86	-9.26	-0.28	3.93e-04	6.09e-04	-3.80e-04
3062	194	-7.49	8.96	-2.33	-9.28e-04	-4.16e-04	3.76e-04
3062	216	16.09	-0.11	-1.39	-3.20e-04	1.12e-03	-7.56e-04
3062	225	9.39	-10.78	-0.11	5.02e-04	7.09e-04	-4.52e-04
3062	226	-9.02	10.49	-2.50	-1.04e-03	-5.17e-04	4.48e-04
3063	4	0.23	0.59	-1.73	0.0	8.83e-05	1.44e-06
3063	44	0.20	-1.30	-1.37	0.0	7.96e-05	2.82e-06
3063	52	0.24	-0.12	-1.67	0.0	8.95e-05	1.39e-06
3063	68	0.16	0.39	-1.21	0.0	6.24e-05	1.00e-06
3063	88	0.14	-0.87	-0.97	0.0	5.66e-05	1.92e-06
3063	92	0.17	-0.08	-1.17	0.0	6.32e-05	0.0
3063	98	0.14	-0.07	-0.98	0.0	5.27e-05	0.0
3063	105	0.13	-0.23	-0.92	0.0	5.05e-05	1.00e-06
3063	107	0.13	-0.07	-0.94	0.0	5.05e-05	0.0
3063	112	10.77	0.13	-1.17	0.0	9.72e-04	-4.07e-04
3063	129	6.10	-7.32	-0.40	0.0	5.47e-04	-2.63e-04
3063	130	-5.84	7.18	-1.47	0.0	-4.46e-04	2.65e-04
3063	144	12.13	0.15	-1.20	0.0	1.09e-03	-4.59e-04
3063	161	6.88	-8.23	-0.33	0.0	6.12e-04	-2.97e-04
3063	162	-6.62	8.10	-1.54	0.0	-5.11e-04	2.99e-04
3063	176	12.22	0.14	-1.19	0.0	1.09e-03	-4.51e-04
3063	193	7.08	-8.16	-0.34	0.0	6.26e-04	-2.97e-04
3063	194	-6.82	8.02	-1.53	0.0	-5.25e-04	2.99e-04
3063	216	14.52	-0.08	-0.98	0.0	1.22e-03	-5.80e-04
3063	225	8.47	-9.51	-0.24	0.0	7.40e-04	-3.53e-04
3063	226	-8.20	9.38	-1.63	0.0	-6.39e-04	3.55e-04
3064	4	0.28	0.56	-1.83	0.0	9.17e-05	-1.70e-06
3064	44	0.24	-1.41	-1.45	0.0	8.29e-05	0.0
3064	52	0.28	-0.19	-1.77	0.0	9.29e-05	-2.01e-06
3064	68	0.19	0.36	-1.28	0.0	6.48e-05	-1.21e-06
3064	88	0.17	-0.95	-1.03	0.0	5.90e-05	0.0
3064	92	0.20	-0.13	-1.24	0.0	6.57e-05	-1.41e-06
3064	98	0.17	-0.11	-1.04	0.0	5.49e-05	-1.12e-06
3064	105	0.16	-0.27	-0.98	0.0	5.26e-05	0.0
3064	107	0.16	-0.11	-0.99	0.0	5.26e-05	-1.08e-06
3064	112	11.25	0.13	-1.23	0.0	9.66e-04	-4.71e-04
3064	129	6.37	-7.82	-0.44	0.0	5.39e-04	-3.02e-04
3064	130	-6.05	7.61	-1.55	0.0	-4.34e-04	3.00e-04
3064	144	12.67	0.15	-1.26	0.0	1.08e-03	-5.30e-04
3064	161	7.18	-8.79	-0.37	0.0	6.02e-04	-3.41e-04
3064	162	-6.87	8.58	-1.62	0.0	-4.97e-04	3.39e-04
3064	176	12.76	0.14	-1.25	0.0	1.09e-03	-5.23e-04
3064	193	7.39	-8.71	-0.37	0.0	6.17e-04	-3.42e-04
3064	194	-7.07	8.50	-1.61	0.0	-5.12e-04	3.40e-04
3064	216	15.12	-0.09	-1.04	0.0	1.20e-03	-6.76e-04
3064	225	8.83	-10.15	-0.27	0.0	7.28e-04	-4.07e-04
3064	226	-8.51	9.94	-1.71	0.0	-6.23e-04	4.05e-04
3065	4	0.32	0.52	-2.01	-4.39e-04	1.89e-04	-2.79e-06
3065	44	0.28	-1.53	-1.61	-2.75e-04	-2.05e-05	-1.79e-06
3065	52	0.33	-0.26	-1.95	-3.92e-04	1.44e-04	-3.25e-06
3065	68	0.23	0.33	-1.41	-3.13e-04	1.33e-04	-1.97e-06
3065	88	0.20	-1.03	-1.14	-2.03e-04	-6.54e-06	-1.31e-06
3065	92	0.23	-0.19	-1.37	-2.81e-04	1.03e-04	-2.28e-06

3065	98	0.19	-0.16	-1.14	-2.49e-04	8.93e-05	-1.79e-06
3065	105	0.18	-0.32	-1.08	-2.30e-04	6.61e-05	-1.56e-06
3065	107	0.18	-0.15	-1.09	-2.41e-04	8.62e-05	-1.71e-06
3065	112	11.73	0.11	-1.34	-2.83e-04	8.21e-04	-5.24e-04
3065	129	6.63	-8.32	-0.52	2.70e-04	5.26e-04	-3.35e-04
3065	130	-6.26	8.02	-1.66	-7.52e-04	-3.54e-04	3.32e-04
3065	144	13.20	0.14	-1.37	-2.88e-04	9.15e-04	-5.91e-04
3065	161	7.48	-9.34	-0.45	3.34e-04	5.84e-04	-3.78e-04
3065	162	-7.11	9.05	-1.74	-8.16e-04	-4.11e-04	3.75e-04
3065	176	13.30	0.13	-1.36	-2.89e-04	9.19e-04	-5.83e-04
3065	193	7.69	-9.26	-0.45	3.27e-04	5.93e-04	-3.80e-04
3065	194	-7.32	8.96	-1.73	-8.08e-04	-4.21e-04	3.77e-04
3065	216	15.70	-0.11	-1.14	-2.85e-04	1.09e-03	-7.57e-04
3065	225	9.19	-10.78	-0.35	4.20e-04	6.92e-04	-4.53e-04
3065	226	-8.82	10.49	-1.83	-9.02e-04	-5.19e-04	4.49e-04
3066	4	0.07	0.53	-1.13	0.0	7.07e-05	-2.02e-06
3066	41	0.03	-0.91	-0.53	0.0	3.76e-05	0.0
3066	52	0.08	5.47e-04	-1.10	0.0	7.13e-05	-1.88e-06
3066	68	0.05	0.35	-0.79	0.0	4.96e-05	-1.44e-06
3066	85	0.02	-0.60	-0.39	0.0	2.76e-05	0.0
3066	92	0.05	-1.70e-04	-0.77	0.0	5.01e-05	-1.35e-06
3066	98	0.04	-1.11e-03	-0.64	0.0	4.14e-05	-1.18e-06
3066	104	0.03	-0.12	-0.42	0.0	2.78e-05	0.0
3066	106	0.03	-2.93e-03	-0.42	0.0	2.79e-05	0.0
3066	107	0.04	-1.37e-03	-0.61	0.0	3.94e-05	-1.14e-06
3066	112	8.60	0.05	-0.71	0.0	1.06e-03	-3.66e-04
3066	129	4.86	-5.27	-0.39	0.0	6.14e-04	-2.28e-04
3066	130	-4.77	5.27	-0.84	0.0	-5.35e-04	2.25e-04
3066	144	9.69	0.05	-0.72	0.0	1.19e-03	-4.12e-04
3066	161	5.49	-5.94	-0.36	0.0	6.89e-04	-2.57e-04
3066	162	-5.41	5.93	-0.87	0.0	-6.10e-04	2.55e-04
3066	176	9.77	0.03	-0.72	0.0	1.19e-03	-4.09e-04
3066	193	5.65	-5.89	-0.36	0.0	7.05e-04	-2.60e-04
3066	194	-5.56	5.88	-0.86	0.0	-6.26e-04	2.58e-04
3066	216	11.66	-0.16	-0.63	0.0	1.39e-03	-5.32e-04
3066	225	6.77	-6.88	-0.32	0.0	8.35e-04	-3.11e-04
3066	226	-6.68	6.87	-0.90	0.0	-7.56e-04	3.08e-04
3067	4	0.11	0.57	-1.22	0.0	7.28e-05	2.60e-06
3067	42	0.06	-0.99	-0.63	0.0	4.39e-05	3.36e-06
3067	52	0.11	-2.26e-03	-1.19	0.0	7.36e-05	2.83e-06
3067	68	0.08	0.38	-0.85	0.0	5.13e-05	1.80e-06
3067	86	0.04	-0.66	-0.46	0.0	3.20e-05	2.31e-06
3067	92	0.08	-2.33e-03	-0.83	0.0	5.17e-05	1.95e-06
3067	98	0.07	-3.03e-03	-0.69	0.0	4.28e-05	1.55e-06
3067	104	0.04	-0.14	-0.45	0.0	2.91e-05	1.19e-06
3067	106	0.04	-5.12e-03	-0.46	0.0	2.91e-05	0.0
3067	107	0.06	-3.33e-03	-0.66	0.0	4.09e-05	1.47e-06
3067	112	9.15	0.09	-0.77	0.0	1.02e-03	-3.38e-04
3067	129	5.17	-5.78	-0.41	0.0	5.90e-04	-2.15e-04
3067	130	-5.05	5.77	-0.91	0.0	-5.09e-04	2.18e-04
3067	144	10.30	0.09	-0.78	0.0	1.15e-03	-3.81e-04
3067	161	5.84	-6.50	-0.38	0.0	6.62e-04	-2.43e-04
3067	162	-5.72	6.49	-0.94	0.0	-5.80e-04	2.46e-04
3067	176	10.38	0.08	-0.78	0.0	1.15e-03	-3.76e-04
3067	193	6.01	-6.44	-0.38	0.0	6.78e-04	-2.45e-04
3067	194	-5.88	6.44	-0.93	0.0	-5.96e-04	2.48e-04
3067	216	12.38	-0.12	-0.68	0.0	1.33e-03	-4.91e-04
3067	225	7.20	-7.53	-0.34	0.0	8.03e-04	-2.92e-04
3067	226	-7.07	7.52	-0.98	0.0	-7.21e-04	2.95e-04
3068	4	0.15	0.60	-1.29	0.0	7.66e-05	4.17e-06
3068	44	0.13	-1.08	-1.05	0.0	6.80e-05	5.58e-06
3068	52	0.15	-0.03	-1.26	0.0	7.74e-05	4.36e-06
3068	68	0.10	0.40	-0.91	0.0	5.40e-05	2.90e-06
3068	88	0.09	-0.72	-0.74	0.0	4.83e-05	3.84e-06
3068	92	0.11	-0.02	-0.88	0.0	5.45e-05	3.02e-06
3068	98	0.09	-0.02	-0.74	0.0	4.52e-05	2.44e-06
3068	105	0.08	-0.16	-0.69	0.0	4.32e-05	2.55e-06
3068	107	0.08	-0.02	-0.70	0.0	4.32e-05	2.31e-06
3068	112	9.66	0.11	-0.82	0.0	9.80e-04	-3.41e-04
3068	129	5.47	-6.29	-0.43	0.0	5.62e-04	-2.20e-04
3068	130	-5.30	6.26	-0.97	0.0	-4.75e-04	2.25e-04
3068	144	10.89	0.13	-0.83	0.0	1.10e-03	-3.84e-04
3068	161	6.18	-7.08	-0.40	0.0	6.29e-04	-2.49e-04
3068	162	-6.01	7.05	-1.01	0.0	-5.43e-04	2.54e-04
3068	176	10.97	0.11	-0.83	0.0	1.10e-03	-3.78e-04

3068	193	6.35	-7.02	-0.40	0.0	6.44e-04	-2.49e-04
3068	194	-6.18	6.98	-1.00	0.0	-5.57e-04	2.54e-04
3068	216	13.05	-0.10	-0.72	0.0	1.26e-03	-4.93e-04
3068	225	7.60	-8.19	-0.35	0.0	7.62e-04	-2.97e-04
3068	226	-7.43	8.16	-1.05	0.0	-6.76e-04	3.01e-04
3069	4	0.19	0.60	-1.37	0.0	8.13e-05	3.21e-06
3069	44	0.16	-1.19	-1.11	0.0	7.27e-05	4.44e-06
3069	52	0.20	-0.07	-1.33	0.0	8.22e-05	3.25e-06
3069	68	0.13	0.40	-0.96	0.0	5.74e-05	2.21e-06
3069	88	0.12	-0.80	-0.79	0.0	5.16e-05	3.04e-06
3069	92	0.14	-0.05	-0.94	0.0	5.80e-05	2.24e-06
3069	98	0.11	-0.04	-0.78	0.0	4.83e-05	1.81e-06
3069	105	0.11	-0.19	-0.73	0.0	4.62e-05	1.92e-06
3069	107	0.11	-0.04	-0.74	0.0	4.62e-05	1.70e-06
3069	112	10.16	0.13	-0.87	0.0	9.46e-04	-3.70e-04
3069	129	5.75	-6.82	-0.45	0.0	5.36e-04	-2.41e-04
3069	130	-5.54	6.74	-1.03	0.0	-4.44e-04	2.44e-04
3069	144	11.44	0.15	-0.88	0.0	1.06e-03	-4.17e-04
3069	161	6.49	-7.67	-0.41	0.0	6.00e-04	-2.72e-04
3069	162	-6.28	7.59	-1.07	0.0	-5.08e-04	2.75e-04
3069	176	11.53	0.13	-0.88	0.0	1.07e-03	-4.10e-04
3069	193	6.68	-7.60	-0.42	0.0	6.14e-04	-2.72e-04
3069	194	-6.46	7.52	-1.06	0.0	-5.21e-04	2.75e-04
3069	216	13.69	-0.08	-0.77	0.0	1.19e-03	-5.34e-04
3069	225	7.99	-8.87	-0.36	0.0	7.25e-04	-3.23e-04
3069	226	-7.77	8.79	-1.12	0.0	-6.33e-04	3.27e-04
3070	4	0.07	0.53	-1.05	0.0	7.37e-05	-4.49e-06
3070	41	0.03	-0.90	-0.50	0.0	3.93e-05	-1.40e-06
3070	52	0.08	5.69e-04	-1.04	0.0	7.44e-05	-4.55e-06
3070	68	0.05	0.35	-0.73	0.0	5.17e-05	-3.20e-06
3070	85	0.02	-0.60	-0.37	0.0	2.88e-05	-1.14e-06
3070	92	0.05	-1.44e-04	-0.72	0.0	5.23e-05	-3.23e-06
3070	98	0.04	-1.08e-03	-0.60	0.0	4.31e-05	-2.77e-06
3070	104	0.03	-0.12	-0.38	0.0	2.90e-05	-1.83e-06
3070	106	0.03	-2.87e-03	-0.39	0.0	2.90e-05	-2.01e-06
3070	107	0.04	-1.33e-03	-0.57	0.0	4.11e-05	-2.66e-06
3070	112	8.43	0.05	-0.62	0.0	1.09e-03	-3.95e-04
3070	124	-0.23	4.46	-0.68	0.0	-3.39e-06	2.25e-05
3070	129	4.76	-5.27	-0.45	0.0	6.31e-04	-2.46e-04
3070	144	9.50	0.05	-0.63	0.0	1.22e-03	-4.45e-04
3070	156	-0.27	5.02	-0.70	0.0	-9.69e-06	2.61e-05
3070	161	5.38	-5.94	-0.44	0.0	7.08e-04	-2.77e-04
3070	176	9.57	0.03	-0.62	0.0	1.22e-03	-4.43e-04
3070	188	-0.31	4.96	-0.70	0.0	-1.32e-05	2.80e-05
3070	193	5.53	-5.89	-0.44	0.0	7.24e-04	-2.82e-04
3070	216	11.40	-0.16	-0.58	0.0	1.42e-03	-5.78e-04
3070	220	-0.41	5.78	-0.72	0.0	-2.53e-05	3.57e-05
3070	225	6.62	-6.88	-0.42	0.0	8.58e-04	-3.36e-04
3071	4	0.11	0.57	-1.13	0.0	7.52e-05	-1.77e-06
3071	42	0.06	-0.99	-0.60	0.0	4.53e-05	0.0
3071	52	0.11	-1.99e-03	-1.11	0.0	7.59e-05	-1.79e-06
3071	68	0.08	0.38	-0.79	0.0	5.29e-05	-1.30e-06
3071	86	0.04	-0.66	-0.43	0.0	3.30e-05	0.0
3071	92	0.08	-2.14e-03	-0.78	0.0	5.34e-05	-1.32e-06
3071	98	0.07	-2.87e-03	-0.64	0.0	4.42e-05	-1.20e-06
3071	104	0.04	-0.14	-0.41	0.0	3.00e-05	0.0
3071	106	0.04	-5.03e-03	-0.42	0.0	3.00e-05	-1.05e-06
3071	107	0.06	-3.18e-03	-0.61	0.0	4.22e-05	-1.18e-06
3071	112	8.99	0.09	-0.67	0.0	1.04e-03	-3.87e-04
3071	124	-0.23	4.91	-0.74	0.0	1.89e-06	2.78e-05
3071	129	5.08	-5.77	-0.48	0.0	6.02e-04	-2.44e-04
3071	144	10.13	0.09	-0.67	0.0	1.17e-03	-4.36e-04
3071	156	-0.27	5.52	-0.75	0.0	-3.85e-06	3.19e-05
3071	161	5.74	-6.50	-0.47	0.0	6.75e-04	-2.76e-04
3071	176	10.20	0.08	-0.67	0.0	1.17e-03	-4.32e-04
3071	188	-0.32	5.46	-0.75	0.0	-7.26e-06	3.36e-05
3071	193	5.90	-6.44	-0.47	0.0	6.90e-04	-2.79e-04
3071	216	12.13	-0.12	-0.62	0.0	1.35e-03	-5.68e-04
3071	225	7.06	-7.52	-0.44	0.0	8.17e-04	-3.33e-04
3071	226	-6.94	7.52	-0.78	0.0	-7.33e-04	3.30e-04
3072	4	0.15	0.60	-1.19	0.0	7.77e-05	0.0
3072	44	0.13	-1.08	-0.99	0.0	6.90e-05	1.17e-06
3072	52	0.15	-0.03	-1.18	0.0	7.84e-05	0.0
3072	68	0.10	0.40	-0.83	0.0	5.47e-05	0.0
3072	88	0.09	-0.72	-0.70	0.0	4.89e-05	0.0

3072	92	0.11	-0.02	-0.82	0.0	5.52e-05	0.0
3072	98	0.09	-0.02	-0.68	0.0	4.59e-05	0.0
3072	105	0.08	-0.16	-0.64	0.0	4.38e-05	0.0
3072	107	0.08	-0.02	-0.65	0.0	4.38e-05	0.0
3072	112	9.52	0.11	-0.71	0.0	9.85e-04	-3.89e-04
3072	124	-0.23	5.34	-0.79	0.0	9.52e-06	3.28e-05
3072	129	5.38	-6.29	-0.51	0.0	5.65e-04	-2.50e-04
3072	144	10.72	0.13	-0.71	0.0	1.10e-03	-4.39e-04
3072	156	-0.27	6.01	-0.81	0.0	4.57e-06	3.73e-05
3072	161	6.08	-7.08	-0.49	0.0	6.33e-04	-2.82e-04
3072	176	10.80	0.11	-0.71	0.0	1.11e-03	-4.34e-04
3072	188	-0.32	5.94	-0.80	0.0	1.31e-06	3.89e-05
3072	193	6.25	-7.02	-0.49	0.0	6.46e-04	-2.84e-04
3072	216	12.81	-0.10	-0.66	0.0	1.26e-03	-5.72e-04
3072	225	7.47	-8.19	-0.46	0.0	7.64e-04	-3.38e-04
3072	226	-7.31	8.16	-0.83	0.0	-6.77e-04	3.38e-04
3073	4	0.19	0.60	-1.26	0.0	8.12e-05	0.0
3073	44	0.17	-1.19	-1.05	0.0	7.23e-05	1.40e-06
3073	52	0.20	-0.07	-1.24	0.0	8.20e-05	0.0
3073	68	0.13	0.40	-0.88	0.0	5.73e-05	0.0
3073	88	0.12	-0.80	-0.74	0.0	5.14e-05	0.0
3073	92	0.14	-0.05	-0.87	0.0	5.78e-05	0.0
3073	98	0.11	-0.04	-0.72	0.0	4.82e-05	0.0
3073	105	0.11	-0.19	-0.68	0.0	4.61e-05	0.0
3073	107	0.11	-0.04	-0.68	0.0	4.61e-05	0.0
3073	112	10.01	0.13	-0.75	0.0	9.32e-04	-4.07e-04
3073	124	-0.22	5.77	-0.84	0.0	1.83e-05	3.68e-05
3073	129	5.66	-6.82	-0.53	0.0	5.28e-04	-2.63e-04
3073	144	11.27	0.15	-0.76	0.0	1.04e-03	-4.58e-04
3073	156	-0.27	6.49	-0.85	0.0	1.42e-05	4.19e-05
3073	161	6.39	-7.67	-0.51	0.0	5.91e-04	-2.97e-04
3073	176	11.36	0.13	-0.75	0.0	1.05e-03	-4.52e-04
3073	188	-0.31	6.42	-0.85	0.0	1.11e-05	4.34e-05
3073	193	6.57	-7.60	-0.51	0.0	6.04e-04	-2.98e-04
3073	216	13.44	-0.08	-0.70	0.0	1.17e-03	-5.96e-04
3073	225	7.86	-8.87	-0.49	0.0	7.13e-04	-3.55e-04
3073	226	-7.64	8.79	-0.88	0.0	-6.21e-04	3.55e-04
3074	4	0.07	0.53	-1.03	0.0	7.55e-05	-5.61e-06
3074	41	0.03	-0.90	-0.50	0.0	4.01e-05	-2.29e-06
3074	52	0.07	1.30e-03	-1.03	0.0	7.62e-05	-5.80e-06
3074	68	0.05	0.35	-0.72	0.0	5.30e-05	-3.98e-06
3074	85	0.02	-0.60	-0.37	0.0	2.94e-05	-1.77e-06
3074	92	0.05	3.75e-04	-0.72	0.0	5.35e-05	-4.11e-06
3074	98	0.04	-6.40e-04	-0.59	0.0	4.41e-05	-3.49e-06
3074	104	0.02	-0.12	-0.37	0.0	2.95e-05	-2.33e-06
3074	106	0.03	-2.55e-03	-0.38	0.0	2.95e-05	-2.47e-06
3074	107	0.04	-9.13e-04	-0.56	0.0	4.20e-05	-3.34e-06
3074	112	8.25	0.05	-0.58	0.0	1.10e-03	-4.16e-04
3074	124	-0.23	4.46	-0.60	0.0	-4.39e-06	2.22e-05
3074	129	4.65	-5.27	-0.52	0.0	6.37e-04	-2.58e-04
3074	144	9.30	0.05	-0.58	0.0	1.23e-03	-4.69e-04
3074	156	-0.27	5.02	-0.61	0.0	-1.09e-05	2.59e-05
3074	161	5.25	-5.93	-0.52	0.0	7.15e-04	-2.92e-04
3074	176	9.37	0.03	-0.58	0.0	1.24e-03	-4.67e-04
3074	188	-0.31	4.96	-0.61	0.0	-1.42e-05	2.80e-05
3074	193	5.40	-5.88	-0.52	0.0	7.30e-04	-2.97e-04
3074	216	11.11	-0.16	-0.58	0.0	1.43e-03	-6.11e-04
3074	220	-0.40	5.78	-0.61	0.0	-2.64e-05	3.59e-05
3074	225	6.47	-6.87	-0.51	0.0	8.65e-04	-3.54e-04
3075	4	0.11	0.57	-1.10	0.0	7.67e-05	-3.96e-06
3075	42	0.06	-0.99	-0.60	0.0	4.60e-05	-1.75e-06
3075	52	0.11	-1.24e-03	-1.10	0.0	7.75e-05	-4.17e-06
3075	68	0.08	0.38	-0.77	0.0	5.40e-05	-2.85e-06
3075	86	0.04	-0.66	-0.43	0.0	3.35e-05	-1.37e-06
3075	92	0.08	-1.61e-03	-0.77	0.0	5.45e-05	-2.98e-06
3075	98	0.06	-2.44e-03	-0.63	0.0	4.50e-05	-2.57e-06
3075	104	0.04	-0.14	-0.40	0.0	3.04e-05	-1.81e-06
3075	106	0.04	-4.74e-03	-0.40	0.0	3.05e-05	-1.96e-06
3075	107	0.06	-2.77e-03	-0.60	0.0	4.30e-05	-2.48e-06
3075	112	8.81	0.09	-0.62	0.0	1.05e-03	-4.20e-04
3075	124	-0.23	4.91	-0.65	0.0	0.0	2.68e-05
3075	129	4.97	-5.77	-0.56	0.0	6.07e-04	-2.64e-04
3075	144	9.93	0.09	-0.63	0.0	1.18e-03	-4.73e-04
3075	156	-0.27	5.52	-0.65	0.0	-5.14e-06	3.10e-05
3075	161	5.62	-6.50	-0.55	0.0	6.81e-04	-2.98e-04

3075	176	10.00	0.08	-0.63	0.0	1.18e-03	-4.70e-04
3075	188	-0.31	5.46	-0.65	0.0	-8.30e-06	3.29e-05
3075	193	5.78	-6.44	-0.55	0.0	6.95e-04	-3.02e-04
3075	216	11.85	-0.12	-0.62	0.0	1.35e-03	-6.20e-04
3075	220	-0.41	6.36	-0.66	0.0	-1.95e-05	4.15e-05
3075	225	6.91	-7.52	-0.55	0.0	8.23e-04	-3.61e-04
3076	4	0.15	0.60	-1.17	0.0	7.89e-05	-2.57e-06
3076	44	0.13	-1.08	-1.00	0.0	6.99e-05	-1.47e-06
3076	52	0.15	-0.02	-1.16	0.0	7.96e-05	-2.80e-06
3076	68	0.10	0.40	-0.82	0.0	5.56e-05	-1.88e-06
3076	88	0.09	-0.72	-0.70	0.0	4.96e-05	-1.15e-06
3076	92	0.11	-0.02	-0.81	0.0	5.60e-05	-2.04e-06
3076	98	0.09	-0.02	-0.67	0.0	4.65e-05	-1.79e-06
3076	105	0.08	-0.16	-0.63	0.0	4.44e-05	-1.59e-06
3076	107	0.08	-0.02	-0.63	0.0	4.45e-05	-1.75e-06
3076	112	9.34	0.11	-0.66	0.0	9.89e-04	-4.27e-04
3076	124	-0.23	5.34	-0.69	0.0	8.29e-06	3.13e-05
3076	129	5.28	-6.29	-0.59	0.0	5.67e-04	-2.72e-04
3076	144	10.52	0.13	-0.66	0.0	1.11e-03	-4.81e-04
3076	156	-0.27	6.01	-0.69	0.0	3.16e-06	3.59e-05
3076	161	5.96	-7.08	-0.58	0.0	6.35e-04	-3.07e-04
3076	176	10.60	0.11	-0.66	0.0	1.11e-03	-4.77e-04
3076	188	-0.31	5.94	-0.69	0.0	0.0	3.78e-05
3076	193	6.13	-7.01	-0.58	0.0	6.48e-04	-3.10e-04
3076	216	12.53	-0.09	-0.66	0.0	1.25e-03	-6.32e-04
3076	220	-0.42	6.93	-0.70	0.0	-9.69e-06	4.71e-05
3076	225	7.33	-8.19	-0.58	0.0	7.66e-04	-3.70e-04
3077	4	0.19	0.60	-1.23	0.0	8.17e-05	-1.68e-06
3077	44	0.17	-1.19	-1.05	0.0	7.27e-05	0.0
3077	52	0.20	-0.07	-1.23	0.0	8.24e-05	-1.96e-06
3077	68	0.13	0.40	-0.86	0.0	5.77e-05	-1.26e-06
3077	88	0.12	-0.79	-0.74	0.0	5.17e-05	0.0
3077	92	0.14	-0.05	-0.86	0.0	5.82e-05	-1.45e-06
3077	98	0.11	-0.04	-0.70	0.0	4.85e-05	-1.28e-06
3077	105	0.11	-0.19	-0.67	0.0	4.64e-05	-1.12e-06
3077	107	0.11	-0.04	-0.67	0.0	4.64e-05	-1.27e-06
3077	112	9.84	0.13	-0.70	0.0	9.26e-04	-4.41e-04
3077	124	-0.22	5.77	-0.73	0.0	1.68e-05	3.54e-05
3077	129	5.56	-6.81	-0.62	0.0	5.25e-04	-2.83e-04
3077	144	11.08	0.15	-0.70	0.0	1.04e-03	-4.97e-04
3077	156	-0.27	6.49	-0.73	0.0	1.25e-05	4.05e-05
3077	161	6.27	-7.67	-0.61	0.0	5.87e-04	-3.20e-04
3077	176	11.16	0.13	-0.70	0.0	1.04e-03	-4.91e-04
3077	188	-0.31	6.42	-0.73	0.0	9.78e-06	4.23e-05
3077	193	6.45	-7.60	-0.61	0.0	5.99e-04	-3.22e-04
3077	216	13.15	-0.08	-0.70	0.0	1.15e-03	-6.52e-04
3077	220	-0.42	7.48	-0.74	0.0	1.35e-06	5.23e-05
3077	225	7.71	-8.86	-0.60	0.0	7.07e-04	-3.84e-04
3078	28	0.07	-0.54	-1.08	0.0	7.71e-05	-5.38e-06
3078	41	0.03	-0.90	-0.54	0.0	4.04e-05	-2.34e-06
3078	52	0.07	2.60e-03	-1.08	0.0	7.72e-05	-5.86e-06
3078	80	0.05	-0.36	-0.75	0.0	5.41e-05	-3.80e-06
3078	85	0.02	-0.60	-0.39	0.0	2.96e-05	-1.77e-06
3078	92	0.05	1.30e-03	-0.75	0.0	5.41e-05	-4.12e-06
3078	98	0.04	1.36e-04	-0.62	0.0	4.46e-05	-3.44e-06
3078	104	0.02	-0.12	-0.39	0.0	2.98e-05	-2.20e-06
3078	106	0.02	-2.00e-03	-0.39	0.0	2.98e-05	-2.31e-06
3078	107	0.04	-1.69e-04	-0.58	0.0	4.25e-05	-3.27e-06
3078	112	8.06	0.05	-0.60	0.0	1.10e-03	-4.30e-04
3078	129	4.54	-5.27	-0.61	0.0	6.38e-04	-2.67e-04
3078	133	-0.29	-4.96	-0.62	0.0	-1.53e-05	2.48e-05
3078	144	9.08	0.05	-0.60	0.0	1.23e-03	-4.84e-04
3078	161	5.13	-5.93	-0.62	0.0	7.15e-04	-3.01e-04
3078	165	-0.34	-5.58	-0.62	0.0	-2.32e-05	2.89e-05
3078	176	9.15	0.03	-0.60	0.0	1.24e-03	-4.83e-04
3078	193	5.27	-5.88	-0.62	0.0	7.30e-04	-3.06e-04
3078	197	-0.38	-5.48	-0.62	0.0	-2.62e-05	3.14e-05
3078	216	10.82	-0.15	-0.60	0.0	1.42e-03	-6.33e-04
3078	225	6.31	-6.87	-0.62	0.0	8.64e-04	-3.66e-04
3078	229	-0.48	-6.36	-0.63	0.0	-4.03e-05	4.02e-05
3079	28	0.11	-0.59	-1.15	0.0	7.83e-05	-4.07e-06
3079	42	0.06	-0.98	-0.64	0.0	4.65e-05	-1.87e-06
3079	52	0.11	-9.79e-05	-1.15	0.0	7.85e-05	-4.59e-06
3079	80	0.07	-0.39	-0.81	0.0	5.50e-05	-2.88e-06
3079	86	0.04	-0.66	-0.46	0.0	3.38e-05	-1.42e-06

3079	92	0.08	-8.15e-04	-0.80	0.0	5.51e-05	-3.23e-06
3079	98	0.06	-1.78e-03	-0.66	0.0	4.56e-05	-2.68e-06
3079	104	0.04	-0.13	-0.42	0.0	3.07e-05	-1.70e-06
3079	106	0.04	-4.30e-03	-0.42	0.0	3.08e-05	-1.81e-06
3079	107	0.06	-2.14e-03	-0.63	0.0	4.35e-05	-2.55e-06
3079	112	8.62	0.09	-0.64	0.0	1.05e-03	-4.41e-04
3079	129	4.86	-5.77	-0.65	0.0	6.08e-04	-2.77e-04
3079	133	-0.29	-5.41	-0.66	0.0	-9.58e-06	2.93e-05
3079	144	9.72	0.10	-0.64	0.0	1.18e-03	-4.96e-04
3079	161	5.49	-6.50	-0.66	0.0	6.82e-04	-3.13e-04
3079	165	-0.35	-6.08	-0.67	0.0	-1.69e-05	3.39e-05
3079	176	9.79	0.08	-0.64	0.0	1.19e-03	-4.94e-04
3079	193	5.64	-6.44	-0.66	0.0	6.95e-04	-3.17e-04
3079	197	-0.39	-5.97	-0.67	0.0	-1.98e-05	3.64e-05
3079	216	11.55	-0.12	-0.64	0.0	1.34e-03	-6.53e-04
3079	225	6.75	-7.52	-0.66	0.0	8.22e-04	-3.79e-04
3079	229	-0.49	-6.93	-0.67	0.0	-3.28e-05	4.59e-05
3080	28	0.15	-0.66	-1.22	0.0	8.04e-05	-2.85e-06
3080	44	0.13	-1.08	-1.06	0.0	7.08e-05	-2.10e-06
3080	52	0.15	-0.02	-1.22	0.0	8.05e-05	-3.39e-06
3080	80	0.10	-0.44	-0.85	0.0	5.66e-05	-2.03e-06
3080	88	0.09	-0.72	-0.74	0.0	5.02e-05	-1.53e-06
3080	92	0.11	-0.02	-0.85	0.0	5.67e-05	-2.39e-06
3080	98	0.09	-0.02	-0.70	0.0	4.71e-05	-1.97e-06
3080	105	0.08	-0.16	-0.66	0.0	4.49e-05	-1.77e-06
3080	107	0.08	-0.02	-0.66	0.0	4.50e-05	-1.89e-06
3080	112	9.16	0.11	-0.68	0.0	9.89e-04	-4.52e-04
3080	129	5.17	-6.29	-0.69	0.0	5.67e-04	-2.87e-04
3080	133	-0.30	-5.88	-0.70	0.0	-1.21e-06	3.37e-05
3080	144	10.31	0.13	-0.68	0.0	1.11e-03	-5.09e-04
3080	161	5.83	-7.07	-0.70	0.0	6.35e-04	-3.24e-04
3080	165	-0.35	-6.61	-0.70	0.0	-7.58e-06	3.87e-05
3080	176	10.39	0.11	-0.68	0.0	1.11e-03	-5.06e-04
3080	193	5.99	-7.01	-0.70	0.0	6.47e-04	-3.29e-04
3080	197	-0.39	-6.48	-0.70	0.0	-1.04e-05	4.11e-05
3080	208	12.24	0.12	-0.68	0.0	1.30e-03	-5.93e-04
3080	225	7.17	-8.19	-0.70	0.0	7.65e-04	-3.92e-04
3080	229	-0.51	-7.52	-0.71	0.0	-2.20e-05	5.14e-05
3081	28	0.19	-0.74	-1.28	0.0	8.29e-05	-1.93e-06
3081	44	0.16	-1.19	-1.11	0.0	7.33e-05	-1.30e-06
3081	52	0.19	-0.06	-1.28	0.0	8.31e-05	-2.48e-06
3081	80	0.13	-0.50	-0.90	0.0	5.85e-05	-1.38e-06
3081	88	0.12	-0.79	-0.78	0.0	5.21e-05	0.0
3081	92	0.14	-0.05	-0.89	0.0	5.86e-05	-1.75e-06
3081	98	0.11	-0.04	-0.73	0.0	4.89e-05	-1.44e-06
3081	105	0.11	-0.19	-0.70	0.0	4.68e-05	-1.26e-06
3081	107	0.11	-0.04	-0.70	0.0	4.68e-05	-1.38e-06
3081	112	9.65	0.13	-0.71	0.0	9.21e-04	-4.67e-04
3081	129	5.45	-6.81	-0.73	0.0	5.23e-04	-2.99e-04
3081	133	-0.29	-6.35	-0.74	0.0	8.25e-06	3.76e-05
3081	144	10.86	0.15	-0.71	0.0	1.03e-03	-5.26e-04
3081	161	6.15	-7.66	-0.73	0.0	5.85e-04	-3.37e-04
3081	165	-0.35	-7.14	-0.74	0.0	2.88e-06	4.30e-05
3081	176	10.94	0.13	-0.71	0.0	1.03e-03	-5.21e-04
3081	193	6.31	-7.60	-0.73	0.0	5.96e-04	-3.41e-04
3081	197	-0.39	-7.01	-0.74	0.0	0.0	4.54e-05
3081	208	12.89	0.14	-0.72	0.0	1.21e-03	-6.10e-04
3081	225	7.55	-8.86	-0.74	0.0	7.03e-04	-4.06e-04
3081	229	-0.51	-8.13	-0.75	0.0	-9.72e-06	5.64e-05
3082	28	0.06	-0.53	-1.23	0.0	7.82e-05	-4.40e-06
3082	45	0.02	-0.90	-0.42	0.0	2.83e-05	0.0
3082	52	0.07	4.35e-03	-1.22	0.0	7.83e-05	-4.77e-06
3082	80	0.04	-0.36	-0.86	0.0	5.49e-05	-3.04e-06
3082	85	0.02	-0.60	-0.45	0.0	3.02e-05	-1.07e-06
3082	92	0.05	2.53e-03	-0.85	0.0	5.49e-05	-3.28e-06
3082	98	0.04	1.16e-03	-0.70	0.0	4.53e-05	-2.62e-06
3082	104	0.02	-0.12	-0.44	0.0	3.03e-05	-1.39e-06
3082	106	0.02	-1.29e-03	-0.44	0.0	3.03e-05	-1.47e-06
3082	107	0.04	8.15e-04	-0.66	0.0	4.32e-05	-2.46e-06
3082	112	7.87	0.05	-0.67	0.0	1.10e-03	-4.38e-04
3082	130	-4.35	5.27	-0.56	0.0	-5.51e-04	2.67e-04
3082	133	-0.29	-4.96	-0.77	0.0	-1.64e-05	2.60e-05
3082	144	8.86	0.05	-0.67	0.0	1.23e-03	-4.93e-04
3082	162	-4.93	5.93	-0.54	0.0	-6.28e-04	3.02e-04
3082	165	-0.33	-5.58	-0.78	0.0	-2.45e-05	3.01e-05

3082	176	8.93	0.03	-0.68	0.0	1.24e-03	-4.92e-04
3082	194	-5.06	5.88	-0.54	0.0	-6.42e-04	3.07e-04
3082	197	-0.37	-5.48	-0.78	0.0	-2.72e-05	3.27e-05
3082	208	10.53	0.02	-0.68	0.0	1.45e-03	-5.78e-04
3082	226	-6.08	6.87	-0.52	0.0	-7.75e-04	3.68e-04
3082	233	-0.47	-6.41	-0.80	0.0	-5.62e-05	2.10e-05
3083	28	0.10	-0.59	-1.31	0.0	7.94e-05	-2.65e-06
3083	42	0.05	-0.98	-0.73	0.0	4.71e-05	0.0
3083	52	0.11	1.38e-03	-1.30	0.0	7.95e-05	-3.05e-06
3083	80	0.07	-0.39	-0.91	0.0	5.58e-05	-1.76e-06
3083	86	0.04	-0.66	-0.52	0.0	3.43e-05	0.0
3083	92	0.07	2.25e-04	-0.90	0.0	5.58e-05	-2.02e-06
3083	98	0.06	-9.17e-04	-0.74	0.0	4.62e-05	-1.48e-06
3083	104	0.04	-0.13	-0.47	0.0	3.11e-05	0.0
3083	106	0.04	-3.73e-03	-0.46	0.0	3.12e-05	0.0
3083	107	0.06	-1.32e-03	-0.70	0.0	4.40e-05	-1.34e-06
3083	112	8.43	0.09	-0.72	0.0	1.05e-03	-4.52e-04
3083	129	4.75	-5.77	-0.81	0.0	6.07e-04	-2.84e-04
3083	133	-0.29	-5.41	-0.82	0.0	-1.08e-05	3.11e-05
3083	144	9.50	0.10	-0.72	0.0	1.18e-03	-5.09e-04
3083	161	5.36	-6.49	-0.83	0.0	6.80e-04	-3.20e-04
3083	165	-0.34	-6.08	-0.83	0.0	-1.82e-05	3.57e-05
3083	176	9.56	0.08	-0.72	0.0	1.18e-03	-5.06e-04
3083	193	5.51	-6.44	-0.82	0.0	6.93e-04	-3.25e-04
3083	197	-0.38	-5.97	-0.83	0.0	-2.08e-05	3.83e-05
3083	208	11.27	0.08	-0.72	0.0	1.39e-03	-5.94e-04
3083	225	6.59	-7.52	-0.85	0.0	8.19e-04	-3.89e-04
3083	233	-0.50	-6.99	-0.85	0.0	-5.10e-05	2.47e-05
3084	28	0.15	-0.65	-1.37	0.0	8.13e-05	-1.22e-06
3084	44	0.13	-1.08	-1.20	0.0	7.16e-05	0.0
3084	52	0.15	-0.02	-1.36	0.0	8.14e-05	-1.65e-06
3084	80	0.10	-0.44	-0.96	0.0	5.72e-05	0.0
3084	88	0.09	-0.72	-0.84	0.0	5.07e-05	0.0
3084	92	0.10	-0.02	-0.95	0.0	5.73e-05	-1.02e-06
3084	98	0.09	-0.01	-0.78	0.0	4.76e-05	0.0
3084	105	0.08	-0.16	-0.74	0.0	4.54e-05	0.0
3084	107	0.08	-0.01	-0.74	0.0	4.55e-05	0.0
3084	112	8.96	0.11	-0.75	0.0	9.87e-04	-4.66e-04
3084	129	5.05	-6.29	-0.85	0.0	5.66e-04	-2.96e-04
3084	133	-0.29	-5.87	-0.86	0.0	-2.65e-06	3.57e-05
3084	144	10.09	0.13	-0.75	0.0	1.11e-03	-5.25e-04
3084	161	5.70	-7.07	-0.87	0.0	6.34e-04	-3.34e-04
3084	165	-0.35	-6.60	-0.87	0.0	-9.20e-06	4.08e-05
3084	176	10.16	0.11	-0.76	0.0	1.11e-03	-5.21e-04
3084	193	5.85	-7.01	-0.87	0.0	6.45e-04	-3.38e-04
3084	197	-0.39	-6.48	-0.87	0.0	-1.17e-05	4.33e-05
3084	208	11.97	0.12	-0.76	0.0	1.30e-03	-6.12e-04
3084	225	7.00	-8.18	-0.89	0.0	7.61e-04	-4.04e-04
3084	233	-0.52	-7.58	-0.89	0.0	-4.39e-05	2.86e-05
3085	28	0.19	-0.74	-1.43	0.0	8.35e-05	0.0
3085	44	0.16	-1.18	-1.25	0.0	7.38e-05	0.0
3085	52	0.19	-0.06	-1.42	0.0	8.36e-05	0.0
3085	80	0.13	-0.50	-1.00	0.0	5.89e-05	0.0
3085	88	0.12	-0.79	-0.88	0.0	5.24e-05	0.0
3085	92	0.13	-0.05	-0.99	0.0	5.90e-05	0.0
3085	98	0.11	-0.04	-0.81	0.0	4.93e-05	0.0
3085	105	0.11	-0.19	-0.77	0.0	4.71e-05	0.0
3085	107	0.11	-0.04	-0.77	0.0	4.71e-05	0.0
3085	112	9.45	0.13	-0.79	0.0	9.17e-04	-4.82e-04
3085	129	5.33	-6.81	-0.89	0.0	5.22e-04	-3.08e-04
3085	133	-0.29	-6.35	-0.90	0.0	6.38e-06	3.94e-05
3085	144	10.64	0.15	-0.79	0.0	1.03e-03	-5.44e-04
3085	161	6.01	-7.66	-0.91	0.0	5.83e-04	-3.48e-04
3085	165	-0.35	-7.14	-0.91	0.0	0.0	4.50e-05
3085	176	10.71	0.13	-0.79	0.0	1.03e-03	-5.39e-04
3085	193	6.17	-7.60	-0.91	0.0	5.93e-04	-3.52e-04
3085	197	-0.39	-7.01	-0.91	0.0	-1.54e-06	4.75e-05
3085	208	12.62	0.14	-0.79	0.0	1.20e-03	-6.31e-04
3085	225	7.38	-8.86	-0.93	0.0	6.99e-04	-4.20e-04
3085	233	-0.54	-8.19	-0.93	0.0	-3.60e-05	3.25e-05
3086	4	0.23	0.59	-1.45	0.0	8.59e-05	1.15e-06
3086	44	0.20	-1.30	-1.17	0.0	7.70e-05	2.24e-06
3086	52	0.24	-0.12	-1.41	0.0	8.68e-05	1.01e-06
3086	68	0.16	0.39	-1.01	0.0	6.07e-05	0.0
3086	88	0.14	-0.87	-0.83	0.0	5.48e-05	1.49e-06

3086	92	0.17	-0.08	-0.99	0.0	6.13e-05	0.0
3086	98	0.14	-0.07	-0.82	0.0	5.12e-05	0.0
3086	105	0.13	-0.23	-0.78	0.0	4.91e-05	0.0
3086	107	0.13	-0.07	-0.78	0.0	4.91e-05	0.0
3086	112	10.62	0.13	-0.92	0.0	9.23e-04	-4.15e-04
3086	129	6.01	-7.32	-0.47	0.0	5.18e-04	-2.69e-04
3086	130	-5.75	7.18	-1.09	0.0	-4.20e-04	2.70e-04
3086	144	11.96	0.16	-0.93	0.0	1.03e-03	-4.68e-04
3086	161	6.78	-8.23	-0.43	0.0	5.79e-04	-3.03e-04
3086	162	-6.52	8.10	-1.13	0.0	-4.81e-04	3.04e-04
3086	176	12.05	0.14	-0.93	0.0	1.04e-03	-4.60e-04
3086	193	6.97	-8.16	-0.44	0.0	5.92e-04	-3.04e-04
3086	194	-6.71	8.02	-1.13	0.0	-4.94e-04	3.05e-04
3086	216	14.26	-0.08	-0.81	0.0	1.15e-03	-5.99e-04
3086	225	8.34	-9.51	-0.38	0.0	6.99e-04	-3.61e-04
3086	226	-8.07	9.38	-1.18	0.0	-6.01e-04	3.62e-04
3087	4	0.28	0.56	-1.56	0.0	8.95e-05	0.0
3087	44	0.24	-1.41	-1.27	0.0	8.04e-05	0.0
3087	52	0.28	-0.19	-1.52	0.0	9.05e-05	-1.28e-06
3087	68	0.19	0.36	-1.09	0.0	6.33e-05	0.0
3087	88	0.17	-0.95	-0.90	0.0	5.73e-05	0.0
3087	92	0.20	-0.13	-1.07	0.0	6.39e-05	0.0
3087	98	0.16	-0.11	-0.89	0.0	5.35e-05	0.0
3087	105	0.16	-0.27	-0.83	0.0	5.13e-05	0.0
3087	107	0.16	-0.11	-0.84	0.0	5.13e-05	0.0
3087	112	11.07	0.13	-0.98	0.0	9.10e-04	-4.69e-04
3087	129	6.26	-7.82	-0.52	0.0	5.06e-04	-3.02e-04
3087	130	-5.94	7.61	-1.17	0.0	-4.03e-04	3.01e-04
3087	144	12.46	0.15	-1.00	0.0	1.02e-03	-5.29e-04
3087	161	7.06	-8.79	-0.48	0.0	5.65e-04	-3.41e-04
3087	162	-6.75	8.58	-1.21	0.0	-4.63e-04	3.39e-04
3087	176	12.55	0.14	-1.00	0.0	1.02e-03	-5.21e-04
3087	193	7.26	-8.71	-0.48	0.0	5.77e-04	-3.42e-04
3087	194	-6.94	8.50	-1.20	0.0	-4.75e-04	3.41e-04
3087	216	14.82	-0.09	-0.87	0.0	1.11e-03	-6.78e-04
3087	225	8.67	-10.15	-0.42	0.0	6.81e-04	-4.07e-04
3087	226	-8.36	9.94	-1.26	0.0	-5.79e-04	4.06e-04
3088	4	0.32	0.51	-1.77	-3.33e-04	1.69e-04	-2.85e-06
3088	44	0.28	-1.53	-1.44	-1.97e-04	-1.49e-05	-1.91e-06
3088	52	0.33	-0.26	-1.72	-2.92e-04	1.30e-04	-3.34e-06
3088	68	0.23	0.33	-1.24	-2.38e-04	1.18e-04	-2.02e-06
3088	88	0.20	-1.03	-1.02	-1.47e-04	-3.80e-06	-1.39e-06
3088	92	0.23	-0.19	-1.21	-2.10e-04	9.25e-05	-2.34e-06
3088	98	0.19	-0.16	-1.00	-1.88e-04	7.96e-05	-1.85e-06
3088	105	0.18	-0.32	-0.95	-1.73e-04	5.92e-05	-1.63e-06
3088	107	0.18	-0.15	-0.96	-1.82e-04	7.67e-05	-1.77e-06
3088	112	11.52	0.11	-1.10	-2.15e-04	7.86e-04	-5.26e-04
3088	129	6.50	-8.32	-0.61	2.39e-04	5.04e-04	-3.36e-04
3088	130	-6.14	8.02	-1.30	-6.03e-04	-3.50e-04	3.33e-04
3088	144	12.96	0.14	-1.12	-2.19e-04	8.76e-04	-5.93e-04
3088	161	7.33	-9.34	-0.57	2.92e-04	5.59e-04	-3.80e-04
3088	162	-6.97	9.05	-1.34	-6.55e-04	-4.06e-04	3.76e-04
3088	176	13.06	0.13	-1.12	-2.19e-04	8.80e-04	-5.85e-04
3088	193	7.54	-9.26	-0.58	2.86e-04	5.68e-04	-3.82e-04
3088	194	-7.17	8.96	-1.33	-6.49e-04	-4.15e-04	3.78e-04
3088	208	15.37	0.16	-1.14	-2.26e-04	1.02e-03	-6.84e-04
3088	225	9.01	-10.78	-0.51	3.63e-04	6.63e-04	-4.55e-04
3088	226	-8.64	10.49	-1.40	-7.27e-04	-5.10e-04	4.51e-04
3089	4	0.23	0.59	-1.33	0.0	8.48e-05	0.0
3089	44	0.20	-1.30	-1.11	0.0	7.58e-05	0.0
3089	52	0.24	-0.12	-1.31	0.0	8.56e-05	0.0
3089	68	0.16	0.38	-0.93	0.0	6.00e-05	0.0
3089	88	0.14	-0.87	-0.78	0.0	5.39e-05	0.0
3089	92	0.17	-0.08	-0.92	0.0	6.05e-05	0.0
3089	98	0.14	-0.07	-0.76	0.0	5.06e-05	0.0
3089	105	0.13	-0.23	-0.72	0.0	4.84e-05	0.0
3089	107	0.13	-0.07	-0.72	0.0	4.84e-05	0.0
3089	112	10.46	0.13	-0.79	0.0	8.92e-04	-4.37e-04
3089	124	-0.20	6.16	-0.88	0.0	2.62e-05	3.97e-05
3089	129	5.91	-7.32	-0.56	0.0	5.00e-04	-2.82e-04
3089	144	11.77	0.16	-0.80	0.0	9.99e-04	-4.93e-04
3089	156	-0.26	6.94	-0.91	0.0	2.28e-05	4.51e-05
3089	161	6.67	-8.23	-0.54	0.0	5.59e-04	-3.19e-04
3089	176	11.86	0.14	-0.80	0.0	1.00e-03	-4.86e-04
3089	188	-0.30	6.86	-0.90	0.0	1.98e-05	4.68e-05

3089	193	6.86	-8.16	-0.54	0.0	5.70e-04	-3.20e-04
3089	216	13.99	-0.08	-0.74	0.0	1.10e-03	-6.38e-04
3089	225	8.20	-9.51	-0.51	0.0	6.73e-04	-3.81e-04
3089	226	-7.93	9.38	-0.93	0.0	-5.76e-04	3.80e-04
3090	4	0.28	0.56	-1.43	0.0	8.77e-05	-1.33e-06
3090	44	0.24	-1.41	-1.20	0.0	7.85e-05	0.0
3090	52	0.28	-0.19	-1.41	0.0	8.85e-05	-1.72e-06
3090	68	0.19	0.36	-1.00	0.0	6.21e-05	0.0
3090	88	0.17	-0.95	-0.84	0.0	5.60e-05	0.0
3090	92	0.20	-0.13	-0.99	0.0	6.26e-05	-1.25e-06
3090	98	0.16	-0.11	-0.82	0.0	5.25e-05	-1.03e-06
3090	105	0.16	-0.27	-0.77	0.0	5.02e-05	0.0
3090	107	0.16	-0.11	-0.78	0.0	5.03e-05	-1.01e-06
3090	112	10.89	0.13	-0.85	0.0	8.65e-04	-4.80e-04
3090	124	-0.19	6.53	-0.95	0.0	3.21e-05	4.19e-05
3090	129	6.15	-7.82	-0.60	0.0	4.81e-04	-3.09e-04
3090	144	12.25	0.15	-0.86	0.0	9.69e-04	-5.40e-04
3090	156	-0.24	7.36	-0.97	0.0	2.92e-05	4.77e-05
3090	161	6.94	-8.79	-0.58	0.0	5.37e-04	-3.48e-04
3090	176	12.34	0.14	-0.86	0.0	9.71e-04	-5.33e-04
3090	188	-0.29	7.28	-0.97	0.0	2.63e-05	4.95e-05
3090	193	7.13	-8.71	-0.58	0.0	5.47e-04	-3.50e-04
3090	208	14.54	0.16	-0.87	0.0	1.14e-03	-6.23e-04
3090	225	8.52	-10.16	-0.55	0.0	6.45e-04	-4.17e-04
3090	226	-8.20	9.95	-1.00	0.0	-5.44e-04	4.15e-04
3091	4	0.32	0.51	-1.64	-2.11e-04	1.49e-04	-3.12e-06
3091	44	0.28	-1.53	-1.37	-1.04e-04	0.0	-2.19e-06
3091	52	0.33	-0.26	-1.61	-1.76e-04	1.18e-04	-3.63e-06
3091	68	0.23	0.33	-1.14	-1.52e-04	1.04e-04	-2.22e-06
3091	88	0.20	-1.03	-0.96	-8.02e-05	5.98e-06	-1.60e-06
3091	92	0.23	-0.19	-1.13	-1.28e-04	8.38e-05	-2.55e-06
3091	98	0.19	-0.16	-0.93	-1.17e-04	7.15e-05	-2.05e-06
3091	105	0.18	-0.32	-0.88	-1.07e-04	5.49e-05	-1.83e-06
3091	107	0.18	-0.15	-0.89	-1.14e-04	6.88e-05	-1.97e-06
3091	112	11.30	0.11	-0.96	-1.38e-04	7.55e-04	-5.28e-04
3091	124	-0.17	6.89	-1.07	-4.15e-04	2.12e-05	4.33e-05
3091	129	6.38	-8.32	-0.70	2.26e-04	4.81e-04	-3.37e-04
3091	144	12.72	0.14	-0.97	-1.41e-04	8.42e-04	-5.94e-04
3091	156	-0.22	7.77	-1.09	-4.53e-04	1.49e-05	4.95e-05
3091	161	7.19	-9.34	-0.68	2.69e-04	5.34e-04	-3.81e-04
3091	176	12.81	0.13	-0.97	-1.41e-04	8.45e-04	-5.87e-04
3091	188	-0.27	7.68	-1.09	-4.49e-04	1.40e-05	5.16e-05
3091	193	7.39	-9.26	-0.68	2.64e-04	5.43e-04	-3.83e-04
3091	208	15.09	0.16	-0.98	-1.45e-04	9.84e-04	-6.86e-04
3091	225	8.83	-10.78	-0.65	3.27e-04	6.34e-04	-4.56e-04
3091	226	-8.46	10.49	-1.12	-5.56e-04	-4.97e-04	4.52e-04
3092	4	0.23	0.59	-1.30	0.0	8.47e-05	-1.50e-06
3092	44	0.20	-1.30	-1.11	0.0	7.55e-05	0.0
3092	52	0.24	-0.12	-1.29	0.0	8.54e-05	-1.86e-06
3092	68	0.16	0.39	-0.91	0.0	5.99e-05	-1.13e-06
3092	88	0.14	-0.87	-0.78	0.0	5.38e-05	0.0
3092	92	0.17	-0.08	-0.90	0.0	6.03e-05	-1.37e-06
3092	98	0.14	-0.07	-0.74	0.0	5.05e-05	-1.18e-06
3092	105	0.13	-0.23	-0.70	0.0	4.83e-05	-1.02e-06
3092	107	0.13	-0.07	-0.71	0.0	4.84e-05	-1.16e-06
3092	112	10.28	0.13	-0.74	0.0	8.74e-04	-4.63e-04
3092	124	-0.21	6.16	-0.77	0.0	2.44e-05	3.86e-05
3092	129	5.81	-7.32	-0.65	0.0	4.91e-04	-2.98e-04
3092	144	11.57	0.16	-0.74	0.0	9.79e-04	-5.22e-04
3092	156	-0.26	6.94	-0.78	0.0	2.09e-05	4.41e-05
3092	161	6.55	-8.23	-0.65	0.0	5.48e-04	-3.36e-04
3092	176	11.65	0.14	-0.74	0.0	9.81e-04	-5.16e-04
3092	188	-0.30	6.86	-0.77	0.0	1.83e-05	4.59e-05
3092	193	6.73	-8.16	-0.65	0.0	5.59e-04	-3.39e-04
3092	208	13.73	0.16	-0.74	0.0	1.15e-03	-6.03e-04
3092	220	-0.41	8.00	-0.79	0.0	1.11e-05	5.67e-05
3092	225	8.04	-9.51	-0.64	0.0	6.58e-04	-4.04e-04
3093	4	0.27	0.56	-1.40	0.0	8.70e-05	-1.96e-06
3093	44	0.24	-1.41	-1.19	0.0	7.77e-05	-1.28e-06
3093	52	0.28	-0.18	-1.39	0.0	8.77e-05	-2.42e-06
3093	68	0.19	0.36	-0.98	0.0	6.16e-05	-1.43e-06
3093	88	0.17	-0.95	-0.84	0.0	5.54e-05	0.0
3093	92	0.20	-0.13	-0.97	0.0	6.21e-05	-1.74e-06
3093	98	0.16	-0.11	-0.80	0.0	5.21e-05	-1.43e-06
3093	105	0.16	-0.27	-0.76	0.0	4.99e-05	-1.27e-06

3093	107	0.16	-0.10	-0.76	0.0	4.99e-05	-1.40e-06
3093	112	10.69	0.13	-0.79	0.0	8.38e-04	-4.95e-04
3093	124	-0.19	6.53	-0.83	0.0	3.01e-05	4.12e-05
3093	129	6.04	-7.83	-0.70	0.0	4.67e-04	-3.18e-04
3093	144	12.04	0.16	-0.80	0.0	9.38e-04	-5.58e-04
3093	156	-0.24	7.37	-0.83	0.0	2.71e-05	4.71e-05
3093	161	6.81	-8.79	-0.70	0.0	5.21e-04	-3.59e-04
3093	176	12.12	0.14	-0.80	0.0	9.40e-04	-5.51e-04
3093	188	-0.29	7.28	-0.83	0.0	2.47e-05	4.90e-05
3093	193	6.99	-8.71	-0.70	0.0	5.30e-04	-3.61e-04
3093	208	14.27	0.16	-0.80	0.0	1.10e-03	-6.44e-04
3093	220	-0.40	8.50	-0.84	0.0	1.84e-05	6.06e-05
3093	225	8.35	-10.16	-0.69	0.0	6.24e-04	-4.30e-04
3094	4	0.32	0.51	-1.60	-1.05e-04	1.31e-04	-2.95e-06
3094	44	0.28	-1.53	-1.36	-2.15e-05	2.04e-05	-2.08e-06
3094	52	0.33	-0.26	-1.59	-7.37e-05	1.09e-04	-3.47e-06
3094	68	0.22	0.33	-1.12	-7.62e-05	9.24e-05	-2.09e-06
3094	88	0.20	-1.03	-0.96	-2.08e-05	1.83e-05	-1.52e-06
3094	92	0.23	-0.19	-1.11	-5.56e-05	7.73e-05	-2.44e-06
3094	98	0.19	-0.16	-0.91	-5.56e-05	6.55e-05	-1.95e-06
3094	105	0.18	-0.32	-0.86	-4.84e-05	5.27e-05	-1.73e-06
3094	107	0.18	-0.15	-0.87	-5.52e-05	6.29e-05	-1.87e-06
3094	112	11.09	0.11	-0.90	-7.18e-05	7.29e-04	-5.28e-04
3094	124	-0.17	6.89	-0.94	-3.04e-04	1.77e-05	4.34e-05
3094	129	6.26	-8.32	-0.81	2.29e-04	4.60e-04	-3.38e-04
3094	144	12.49	0.14	-0.90	-7.37e-05	8.14e-04	-5.95e-04
3094	156	-0.23	7.77	-0.94	-3.35e-04	1.17e-05	4.96e-05
3094	161	7.06	-9.34	-0.80	2.64e-04	5.11e-04	-3.81e-04
3094	176	12.57	0.13	-0.90	-7.33e-05	8.16e-04	-5.88e-04
3094	188	-0.27	7.68	-0.94	-3.31e-04	1.08e-05	5.17e-05
3094	193	7.25	-9.26	-0.80	2.61e-04	5.19e-04	-3.84e-04
3094	208	14.80	0.16	-0.91	-7.59e-05	9.50e-04	-6.87e-04
3094	220	-0.39	8.97	-0.95	-3.77e-04	1.07e-06	6.39e-05
3094	225	8.65	-10.78	-0.79	3.13e-04	6.07e-04	-4.57e-04
3095	28	0.23	-0.83	-1.35	0.0	8.53e-05	-1.66e-06
3095	44	0.20	-1.29	-1.17	0.0	7.57e-05	-1.09e-06
3095	52	0.24	-0.12	-1.35	0.0	8.56e-05	-2.21e-06
3095	80	0.16	-0.56	-0.94	0.0	6.04e-05	-1.20e-06
3095	88	0.14	-0.87	-0.82	0.0	5.39e-05	0.0
3095	92	0.17	-0.08	-0.94	0.0	6.05e-05	-1.56e-06
3095	98	0.14	-0.07	-0.77	0.0	5.07e-05	-1.27e-06
3095	105	0.13	-0.23	-0.73	0.0	4.85e-05	-1.10e-06
3095	107	0.13	-0.07	-0.73	0.0	4.86e-05	-1.22e-06
3095	112	10.08	0.13	-0.75	0.0	8.64e-04	-4.86e-04
3095	129	5.69	-7.32	-0.77	0.0	4.86e-04	-3.11e-04
3095	133	-0.29	-6.82	-0.78	0.0	1.66e-05	4.06e-05
3095	144	11.35	0.16	-0.75	0.0	9.68e-04	-5.47e-04
3095	161	6.42	-8.23	-0.77	0.0	5.43e-04	-3.51e-04
3095	165	-0.35	-7.66	-0.78	0.0	1.21e-05	4.64e-05
3095	176	11.43	0.14	-0.75	0.0	9.69e-04	-5.41e-04
3095	193	6.59	-8.16	-0.77	0.0	5.53e-04	-3.55e-04
3095	197	-0.39	-7.52	-0.78	0.0	9.54e-06	4.88e-05
3095	208	13.46	0.16	-0.76	0.0	1.13e-03	-6.34e-04
3095	225	7.88	-9.51	-0.78	0.0	6.50e-04	-4.23e-04
3095	229	-0.52	-8.71	-0.79	0.0	1.02e-06	6.05e-05
3096	28	0.28	-0.93	-1.45	0.0	8.73e-05	-2.11e-06
3096	44	0.24	-1.41	-1.26	0.0	7.75e-05	-1.51e-06
3096	52	0.28	-0.18	-1.45	0.0	8.75e-05	-2.64e-06
3096	80	0.19	-0.63	-1.01	0.0	6.18e-05	-1.51e-06
3096	88	0.17	-0.95	-0.88	0.0	5.53e-05	-1.12e-06
3096	92	0.20	-0.13	-1.01	0.0	6.20e-05	-1.87e-06
3096	98	0.16	-0.11	-0.83	0.0	5.21e-05	-1.50e-06
3096	105	0.15	-0.27	-0.79	0.0	4.99e-05	-1.33e-06
3096	107	0.16	-0.10	-0.79	0.0	4.99e-05	-1.45e-06
3096	112	10.49	0.13	-0.80	0.0	8.25e-04	-5.10e-04
3096	129	5.92	-7.83	-0.82	0.0	4.61e-04	-3.27e-04
3096	133	-0.27	-7.28	-0.83	0.0	2.25e-05	4.30e-05
3096	144	11.81	0.16	-0.81	0.0	9.24e-04	-5.75e-04
3096	161	6.67	-8.80	-0.83	0.0	5.15e-04	-3.69e-04
3096	165	-0.34	-8.17	-0.84	0.0	1.86e-05	4.91e-05
3096	176	11.89	0.14	-0.81	0.0	9.24e-04	-5.68e-04
3096	193	6.85	-8.72	-0.83	0.0	5.23e-04	-3.72e-04
3096	197	-0.38	-8.03	-0.84	0.0	1.62e-05	5.17e-05
3096	208	14.00	0.17	-0.81	0.0	1.08e-03	-6.65e-04
3096	225	8.18	-10.16	-0.83	0.0	6.15e-04	-4.43e-04

3096	229	-0.51	-9.30	-0.84	0.0	8.61e-06	6.40e-05
3097	28	0.32	-1.05	-1.64	1.95e-05	7.11e-05	-3.06e-06
3097	44	0.28	-1.54	-1.42	3.17e-05	3.89e-05	-2.28e-06
3097	52	0.32	-0.27	-1.64	-8.39e-06	1.03e-04	-3.68e-06
3097	80	0.23	-0.71	-1.14	9.15e-06	5.18e-05	-2.18e-06
3097	88	0.20	-1.03	-1.00	1.73e-05	3.02e-05	-1.66e-06
3097	92	0.23	-0.19	-1.14	-9.41e-06	7.29e-05	-2.59e-06
3097	98	0.19	-0.16	-0.94	-1.60e-05	6.15e-05	-2.08e-06
3097	105	0.18	-0.32	-0.89	-1.13e-05	5.19e-05	-1.86e-06
3097	107	0.18	-0.15	-0.89	-1.74e-05	5.90e-05	-2.00e-06
3097	112	10.89	0.11	-0.91	-2.88e-05	7.10e-04	-5.38e-04
3097	129	6.14	-8.32	-0.92	2.36e-04	4.43e-04	-3.43e-04
3097	133	-0.26	-7.74	-0.93	2.22e-04	2.73e-05	4.47e-05
3097	144	12.25	0.14	-0.91	-3.01e-05	7.92e-04	-6.06e-04
3097	161	6.92	-9.34	-0.93	2.68e-04	4.92e-04	-3.87e-04
3097	165	-0.33	-8.68	-0.94	2.51e-04	2.28e-05	5.12e-05
3097	176	12.34	0.13	-0.91	-2.94e-05	7.94e-04	-5.99e-04
3097	193	7.10	-9.26	-0.93	2.65e-04	4.99e-04	-3.91e-04
3097	197	-0.37	-8.52	-0.94	2.46e-04	2.03e-05	5.39e-05
3097	208	14.52	0.16	-0.91	-3.08e-05	9.25e-04	-7.01e-04
3097	225	8.47	-10.78	-0.94	3.12e-04	5.84e-04	-4.65e-04
3097	229	-0.50	-9.87	-0.95	2.89e-04	1.18e-05	6.68e-05
3098	28	0.23	-0.83	-1.50	0.0	8.54e-05	0.0
3098	44	0.20	-1.29	-1.31	0.0	7.57e-05	0.0
3098	52	0.24	-0.12	-1.49	0.0	8.56e-05	0.0
3098	80	0.16	-0.56	-1.04	0.0	6.04e-05	0.0
3098	88	0.14	-0.87	-0.92	0.0	5.39e-05	0.0
3098	92	0.16	-0.08	-1.04	0.0	6.05e-05	0.0
3098	98	0.14	-0.07	-0.85	0.0	5.07e-05	0.0
3098	105	0.13	-0.23	-0.81	0.0	4.85e-05	0.0
3098	107	0.13	-0.07	-0.80	0.0	4.86e-05	0.0
3098	112	9.88	0.14	-0.82	0.0	8.56e-04	-5.00e-04
3098	129	5.57	-7.32	-0.93	0.0	4.83e-04	-3.20e-04
3098	133	-0.29	-6.82	-0.94	0.0	1.43e-05	4.20e-05
3098	144	11.13	0.16	-0.82	0.0	9.59e-04	-5.64e-04
3098	161	6.29	-8.23	-0.95	0.0	5.40e-04	-3.61e-04
3098	165	-0.35	-7.66	-0.95	0.0	9.55e-06	4.79e-05
3098	176	11.20	0.14	-0.82	0.0	9.60e-04	-5.58e-04
3098	193	6.45	-8.16	-0.94	0.0	5.48e-04	-3.65e-04
3098	197	-0.39	-7.52	-0.95	0.0	7.34e-06	5.04e-05
3098	208	13.19	0.16	-0.83	0.0	1.12e-03	-6.54e-04
3098	225	7.70	-9.52	-0.97	0.0	6.44e-04	-4.35e-04
3098	233	-0.55	-8.79	-0.98	0.0	-2.92e-05	3.59e-05
3099	28	0.28	-0.93	-1.59	0.0	8.68e-05	-1.29e-06
3099	44	0.24	-1.41	-1.38	0.0	7.71e-05	0.0
3099	52	0.28	-0.18	-1.57	0.0	8.70e-05	-1.76e-06
3099	80	0.19	-0.63	-1.10	0.0	6.15e-05	0.0
3099	88	0.17	-0.95	-0.97	0.0	5.50e-05	0.0
3099	92	0.20	-0.13	-1.10	0.0	6.16e-05	-1.19e-06
3099	98	0.16	-0.11	-0.90	0.0	5.18e-05	0.0
3099	105	0.15	-0.27	-0.85	0.0	4.96e-05	0.0
3099	107	0.15	-0.10	-0.85	0.0	4.96e-05	0.0
3099	112	10.29	0.13	-0.87	0.0	8.11e-04	-5.22e-04
3099	129	5.80	-7.83	-0.98	0.0	4.55e-04	-3.33e-04
3099	133	-0.28	-7.28	-0.99	0.0	2.02e-05	4.36e-05
3099	144	11.58	0.16	-0.87	0.0	9.08e-04	-5.88e-04
3099	161	6.54	-8.80	-1.00	0.0	5.07e-04	-3.76e-04
3099	165	-0.34	-8.18	-1.01	0.0	1.62e-05	4.98e-05
3099	176	11.65	0.14	-0.87	0.0	9.08e-04	-5.82e-04
3099	193	6.71	-8.72	-1.00	0.0	5.15e-04	-3.80e-04
3099	197	-0.38	-8.03	-1.00	0.0	1.40e-05	5.24e-05
3099	208	13.72	0.17	-0.88	0.0	1.06e-03	-6.81e-04
3099	225	8.00	-10.16	-1.02	0.0	6.04e-04	-4.53e-04
3099	229	-0.51	-9.30	-1.03	0.0	6.47e-06	6.48e-05
3100	28	0.32	-1.05	-1.75	2.06e-05	7.73e-05	-3.23e-06
3100	44	0.28	-1.54	-1.53	3.21e-05	5.11e-05	-2.40e-06
3100	52	0.32	-0.27	-1.74	-6.46e-06	1.00e-04	-3.92e-06
3100	80	0.22	-0.71	-1.22	1.02e-05	5.56e-05	-2.31e-06
3100	88	0.20	-1.03	-1.07	1.78e-05	3.82e-05	-1.75e-06
3100	92	0.23	-0.19	-1.21	-7.89e-06	7.09e-05	-2.76e-06
3100	98	0.19	-0.16	-0.99	-1.40e-05	5.95e-05	-2.22e-06
3100	105	0.18	-0.32	-0.94	-9.45e-06	5.20e-05	-1.99e-06
3100	107	0.18	-0.15	-0.94	-1.55e-05	5.71e-05	-2.14e-06
3100	112	10.67	0.11	-0.96	-2.49e-05	7.04e-04	-5.47e-04
3100	129	6.01	-8.32	-1.07	2.29e-04	4.35e-04	-3.48e-04

3100	133	-0.26	-7.74	-1.08	2.17e-04	2.36e-05	4.43e-05
3100	144	12.01	0.14	-0.96	-2.59e-05	7.86e-04	-6.16e-04
3100	161	6.77	-9.34	-1.09	2.60e-04	4.84e-04	-3.93e-04
3100	165	-0.33	-8.68	-1.10	2.45e-04	1.89e-05	5.07e-05
3100	176	12.09	0.13	-0.96	-2.52e-05	7.87e-04	-6.09e-04
3100	193	6.95	-9.26	-1.09	2.57e-04	4.91e-04	-3.97e-04
3100	197	-0.37	-8.52	-1.10	2.41e-04	1.67e-05	5.34e-05
3100	208	14.22	0.16	-0.97	-2.61e-05	9.17e-04	-7.13e-04
3100	225	8.29	-10.78	-1.11	3.03e-04	5.75e-04	-4.73e-04
3100	229	-0.50	-9.87	-1.12	2.82e-04	8.22e-06	6.64e-05
3101	28	0.06	-0.53	-1.58	0.0	8.06e-05	-1.69e-06
3101	45	0.02	-0.90	-0.56	0.0	2.98e-05	1.05e-06
3101	52	0.06	7.07e-03	-1.56	0.0	8.06e-05	-1.98e-06
3101	80	0.04	-0.35	-1.10	0.0	5.67e-05	0.0
3101	85	0.02	-0.60	-0.58	0.0	3.18e-05	0.0
3101	92	0.04	4.45e-03	-1.08	0.0	5.67e-05	-1.19e-06
3101	98	0.04	2.77e-03	-0.89	0.0	4.70e-05	0.0
3101	103	0.03	0.12	-0.83	0.0	4.47e-05	0.0
3101	107	0.03	2.34e-03	-0.84	0.0	4.48e-05	0.0
3101	112	7.64	0.05	-0.86	0.0	1.10e-03	-4.40e-04
3101	130	-4.22	5.27	-0.58	0.0	-5.48e-04	2.72e-04
3101	133	-0.28	-4.96	-1.10	0.0	-1.70e-05	2.84e-05
3101	144	8.61	0.05	-0.87	0.0	1.24e-03	-4.96e-04
3101	162	-4.78	5.93	-0.55	0.0	-6.25e-04	3.07e-04
3101	165	-0.33	-5.57	-1.13	0.0	-2.52e-05	3.26e-05
3101	176	8.67	0.04	-0.87	0.0	1.24e-03	-4.95e-04
3101	194	-4.91	5.88	-0.55	0.0	-6.37e-04	3.13e-04
3101	197	-0.36	-5.47	-1.13	0.0	-2.75e-05	3.51e-05
3101	208	10.23	0.02	-0.87	0.0	1.45e-03	-5.82e-04
3101	226	-5.89	6.87	-0.51	0.0	-7.69e-04	3.75e-04
3101	233	-0.48	-6.41	-1.18	0.0	-6.15e-05	2.31e-05
3102	28	0.02	-0.49	-1.47	5.76e-04	8.17e-05	-6.12e-06
3102	43	0.01	-0.82	-1.22	4.81e-04	6.70e-05	-4.82e-06
3102	52	0.02	-3.63e-03	-1.45	5.56e-04	8.17e-05	-6.41e-06
3102	80	0.01	-0.33	-1.02	3.99e-04	5.75e-05	-4.32e-06
3102	87	9.02e-03	-0.55	-0.85	3.36e-04	4.77e-05	-3.45e-06
3102	92	0.01	-2.73e-03	-1.01	3.87e-04	5.75e-05	-4.51e-06
3102	98	0.01	-2.76e-03	-0.82	3.14e-04	4.77e-05	-3.77e-06
3102	105	0.01	-0.11	-0.79	3.01e-04	4.55e-05	-3.53e-06
3102	107	0.01	-2.71e-03	-0.78	2.97e-04	4.55e-05	-3.59e-06
3102	112	7.06	1.35e-03	-0.80	3.19e-04	1.12e-03	-4.31e-04
3102	129	3.96	-4.78	-1.03	4.84e-04	6.50e-04	-2.62e-04
3102	133	-0.28	-4.52	-1.04	4.94e-04	-1.80e-05	2.08e-05
3102	144	7.96	-1.01e-03	-0.80	3.22e-04	1.26e-03	-4.85e-04
3102	161	4.47	-5.38	-1.06	5.08e-04	7.29e-04	-2.96e-04
3102	165	-0.32	-5.08	-1.07	5.19e-04	-2.65e-05	2.45e-05
3102	176	8.02	-0.02	-0.80	3.23e-04	1.26e-03	-4.85e-04
3102	193	4.60	-5.34	-1.06	5.07e-04	7.42e-04	-3.02e-04
3102	201	-0.42	-5.02	-1.06	5.15e-04	-5.34e-05	1.61e-05
3102	208	9.46	-0.04	-0.81	3.29e-04	1.48e-03	-5.70e-04
3102	225	5.51	-6.23	-1.11	5.43e-04	8.76e-04	-3.62e-04
3102	233	-0.45	-5.84	-1.11	5.51e-04	-6.27e-05	1.76e-05
3103	28	0.10	-0.58	-1.66	0.0	8.12e-05	1.78e-06
3103	41	0.05	-0.98	-0.84	0.0	4.37e-05	3.93e-06
3103	52	0.11	3.58e-03	-1.63	0.0	8.13e-05	1.47e-06
3103	80	0.07	-0.39	-1.15	0.0	5.71e-05	1.60e-06
3103	85	0.04	-0.65	-0.61	0.0	3.21e-05	3.04e-06
3103	92	0.07	1.77e-03	-1.14	0.0	5.72e-05	1.40e-06
3103	98	0.06	3.58e-04	-0.93	0.0	4.74e-05	1.76e-06
3103	104	0.04	-0.13	-0.59	0.0	3.22e-05	2.77e-06
3103	106	0.04	-2.88e-03	-0.58	0.0	3.22e-05	2.70e-06
3103	107	0.06	-1.05e-04	-0.88	0.0	4.52e-05	1.89e-06
3103	112	8.21	0.09	-0.91	0.0	1.05e-03	-4.53e-04
3103	129	4.61	-5.77	-1.14	0.0	6.06e-04	-2.84e-04
3103	133	-0.29	-5.41	-1.14	0.0	-1.18e-05	3.52e-05
3103	144	9.24	0.10	-0.91	0.0	1.18e-03	-5.11e-04
3103	161	5.21	-6.49	-1.17	0.0	6.79e-04	-3.22e-04
3103	165	-0.34	-6.08	-1.18	0.0	-1.94e-05	3.99e-05
3103	176	9.31	0.08	-0.91	0.0	1.18e-03	-5.08e-04
3103	193	5.35	-6.44	-1.17	0.0	6.91e-04	-3.27e-04
3103	197	-0.38	-5.97	-1.17	0.0	-2.16e-05	4.24e-05
3103	208	10.97	0.08	-0.92	0.0	1.38e-03	-5.97e-04
3103	225	6.40	-7.52	-1.22	0.0	8.15e-04	-3.91e-04
3103	233	-0.51	-6.98	-1.22	0.0	-5.62e-05	2.84e-05
3104	28	0.15	-0.65	-1.72	0.0	8.26e-05	3.99e-06

3104	44	0.13	-1.07	-1.50	0.0	7.27e-05	4.68e-06
3104	52	0.15	-0.02	-1.69	0.0	8.27e-05	3.66e-06
3104	80	0.10	-0.44	-1.20	0.0	5.81e-05	3.22e-06
3104	88	0.09	-0.72	-1.05	0.0	5.16e-05	3.69e-06
3104	92	0.10	-0.02	-1.18	0.0	5.82e-05	3.01e-06
3104	98	0.09	-0.01	-0.97	0.0	4.84e-05	3.23e-06
3104	105	0.08	-0.15	-0.92	0.0	4.62e-05	3.40e-06
3104	107	0.08	-0.01	-0.91	0.0	4.62e-05	3.33e-06
3104	112	8.73	0.12	-0.94	0.0	9.84e-04	-4.68e-04
3104	129	4.92	-6.28	-1.17	0.0	5.65e-04	-2.97e-04
3104	133	-0.29	-5.87	-1.18	0.0	-4.28e-06	4.06e-05
3104	144	9.84	0.13	-0.94	0.0	1.10e-03	-5.28e-04
3104	161	5.55	-7.07	-1.20	0.0	6.32e-04	-3.36e-04
3104	165	-0.35	-6.60	-1.21	0.0	-1.11e-05	4.59e-05
3104	176	9.90	0.11	-0.95	0.0	1.10e-03	-5.24e-04
3104	193	5.70	-7.01	-1.20	0.0	6.42e-04	-3.40e-04
3104	197	-0.38	-6.48	-1.21	0.0	-1.31e-05	4.83e-05
3104	208	11.67	0.12	-0.95	0.0	1.29e-03	-6.15e-04
3104	225	6.81	-8.18	-1.25	0.0	7.57e-04	-4.07e-04
3104	233	-0.53	-7.58	-1.25	0.0	-4.87e-05	3.31e-05
3105	28	0.19	-0.74	-1.78	0.0	8.38e-05	4.85e-06
3105	44	0.16	-1.18	-1.56	0.0	7.40e-05	5.42e-06
3105	52	0.19	-0.06	-1.75	0.0	8.40e-05	4.50e-06
3105	80	0.13	-0.49	-1.24	0.0	5.91e-05	3.81e-06
3105	88	0.12	-0.79	-1.09	0.0	5.26e-05	4.19e-06
3105	92	0.14	-0.04	-1.22	0.0	5.92e-05	3.58e-06
3105	98	0.11	-0.04	-1.00	0.0	4.94e-05	3.69e-06
3105	105	0.11	-0.19	-0.95	0.0	4.72e-05	3.84e-06
3105	107	0.11	-0.04	-0.95	0.0	4.72e-05	3.77e-06
3105	112	9.22	0.13	-0.97	0.0	9.11e-04	-4.86e-04
3105	129	5.20	-6.81	-1.20	0.0	5.19e-04	-3.10e-04
3105	133	-0.29	-6.35	-1.21	0.0	3.96e-06	4.44e-05
3105	144	10.38	0.15	-0.98	0.0	1.02e-03	-5.48e-04
3105	161	5.86	-7.66	-1.23	0.0	5.80e-04	-3.50e-04
3105	165	-0.35	-7.14	-1.24	0.0	-1.87e-06	5.00e-05
3105	176	10.45	0.13	-0.98	0.0	1.02e-03	-5.43e-04
3105	193	6.01	-7.59	-1.23	0.0	5.89e-04	-3.54e-04
3105	197	-0.39	-7.01	-1.24	0.0	-3.82e-06	5.25e-05
3105	208	12.31	0.15	-0.99	0.0	1.19e-03	-6.36e-04
3105	225	7.18	-8.86	-1.28	0.0	6.93e-04	-4.23e-04
3105	233	-0.55	-8.19	-1.28	0.0	-4.07e-05	3.69e-05
3106	28	0.06	-0.53	-2.15	0.0	8.64e-05	3.58e-06
3106	45	0.02	-0.90	-0.76	0.0	3.36e-05	4.36e-06
3106	52	0.06	0.01	-2.11	0.0	8.64e-05	3.32e-06
3106	80	0.04	-0.35	-1.49	0.0	6.10e-05	2.94e-06
3106	85	0.02	-0.60	-0.79	0.0	3.56e-05	4.15e-06
3106	92	0.04	7.34e-03	-1.47	0.0	6.10e-05	2.77e-06
3106	98	0.04	5.18e-03	-1.20	0.0	5.10e-05	3.00e-06
3106	103	0.03	0.12	-1.13	0.0	4.87e-05	3.24e-06
3106	107	0.03	4.64e-03	-1.14	0.0	4.88e-05	3.12e-06
3106	112	7.43	0.05	-1.18	0.0	1.11e-03	-4.35e-04
3106	130	-4.09	5.27	-0.71	0.0	-5.45e-04	2.75e-04
3106	133	-0.28	-4.95	-1.58	0.0	-1.57e-05	3.26e-05
3106	144	8.37	0.06	-1.18	0.0	1.25e-03	-4.91e-04
3106	162	-4.64	5.93	-0.65	0.0	-6.22e-04	3.11e-04
3106	165	-0.33	-5.57	-1.63	0.0	-2.42e-05	3.68e-05
3106	176	8.42	0.04	-1.19	0.0	1.25e-03	-4.89e-04
3106	194	-4.76	5.88	-0.66	0.0	-6.33e-04	3.16e-04
3106	197	-0.36	-5.47	-1.63	0.0	-2.60e-05	3.93e-05
3106	208	9.93	0.03	-1.20	0.0	1.46e-03	-5.75e-04
3106	226	-5.71	6.87	-0.57	0.0	-7.64e-04	3.78e-04
3106	233	-0.48	-6.40	-1.71	0.0	-6.58e-05	2.71e-05
3107	28	0.02	-0.49	-2.08	6.17e-04	9.29e-05	-5.23e-06
3107	43	0.01	-0.82	-1.72	5.10e-04	7.72e-05	-4.04e-06
3107	52	0.02	-3.04e-03	-2.03	6.04e-04	9.29e-05	-5.54e-06
3107	80	0.01	-0.33	-1.45	4.29e-04	6.58e-05	-3.67e-06
3107	87	7.18e-03	-0.55	-1.21	3.57e-04	5.54e-05	-2.88e-06
3107	92	0.01	-2.30e-03	-1.42	4.20e-04	6.59e-05	-3.88e-06
3107	98	9.72e-03	-2.37e-03	-1.16	3.43e-04	5.55e-05	-3.22e-06
3107	105	8.47e-03	-0.11	-1.11	3.27e-04	5.32e-05	-2.99e-06
3107	107	8.98e-03	-2.33e-03	-1.10	3.24e-04	5.32e-05	-3.05e-06
3107	112	6.84	1.51e-03	-1.14	3.57e-04	1.15e-03	-4.33e-04
3107	129	3.83	-4.78	-1.55	4.37e-04	6.68e-04	-2.63e-04
3107	133	-0.28	-4.52	-1.56	4.57e-04	-1.41e-05	2.13e-05
3107	144	7.71	-8.77e-04	-1.14	3.62e-04	1.29e-03	-4.88e-04

3107	161	4.33	-5.38	-1.61	4.51e-04	7.48e-04	-2.97e-04
3107	165	-0.32	-5.09	-1.62	4.74e-04	-2.30e-05	2.49e-05
3107	176	7.76	-0.02	-1.15	3.63e-04	1.29e-03	-4.88e-04
3107	193	4.44	-5.34	-1.61	4.51e-04	7.59e-04	-3.04e-04
3107	197	-0.35	-4.99	-1.61	4.71e-04	-2.48e-05	2.75e-05
3107	208	9.16	-0.04	-1.16	3.70e-04	1.51e-03	-5.74e-04
3107	225	5.32	-6.23	-1.70	4.73e-04	8.94e-04	-3.64e-04
3107	233	-0.45	-5.84	-1.70	4.94e-04	-6.56e-05	1.81e-05
3108	28	0.11	-0.58	-2.19	0.0	8.50e-05	1.02e-05
3108	45	0.03	-0.98	-0.78	0.0	3.25e-05	8.71e-06
3108	52	0.11	6.48e-03	-2.16	0.0	8.51e-05	9.92e-06
3108	80	0.07	-0.39	-1.53	0.0	6.00e-05	7.88e-06
3108	85	0.04	-0.65	-0.81	0.0	3.46e-05	8.58e-06
3108	92	0.08	3.80e-03	-1.50	0.0	6.00e-05	7.73e-06
3108	98	0.06	2.04e-03	-1.23	0.0	5.00e-05	7.65e-06
3108	104	0.04	-0.13	-0.78	0.0	3.47e-05	8.37e-06
3108	106	0.04	-1.78e-03	-0.77	0.0	3.47e-05	8.32e-06
3108	107	0.06	1.49e-03	-1.16	0.0	4.78e-05	7.75e-06
3108	112	7.99	0.09	-1.21	0.0	1.06e-03	-4.43e-04
3108	130	-4.37	5.77	-0.76	0.0	-5.13e-04	2.94e-04
3108	133	-0.29	-5.40	-1.59	0.0	-1.19e-05	4.24e-05
3108	144	9.00	0.10	-1.21	0.0	1.18e-03	-5.00e-04
3108	162	-4.95	6.49	-0.70	0.0	-5.86e-04	3.31e-04
3108	165	-0.34	-6.08	-1.64	0.0	-1.98e-05	4.73e-05
3108	176	9.06	0.08	-1.22	0.0	1.19e-03	-4.96e-04
3108	194	-5.08	6.43	-0.71	0.0	-5.96e-04	3.35e-04
3108	197	-0.37	-5.96	-1.63	0.0	-2.15e-05	4.97e-05
3108	208	10.67	0.08	-1.23	0.0	1.39e-03	-5.83e-04
3108	226	-6.09	7.52	-0.63	0.0	-7.20e-04	3.98e-04
3108	233	-0.51	-6.98	-1.71	0.0	-6.10e-05	3.55e-05
3109	28	0.15	-0.65	-2.23	0.0	8.45e-05	1.36e-05
3109	44	0.13	-1.07	-1.96	0.0	7.45e-05	1.41e-05
3109	52	0.15	-0.02	-2.20	0.0	8.45e-05	1.34e-05
3109	80	0.11	-0.43	-1.56	0.0	5.95e-05	1.05e-05
3109	88	0.09	-0.72	-1.37	0.0	5.29e-05	1.08e-05
3109	92	0.11	-0.01	-1.53	0.0	5.96e-05	1.03e-05
3109	98	0.09	-0.01	-1.25	0.0	4.96e-05	1.01e-05
3109	105	0.08	-0.15	-1.19	0.0	4.74e-05	1.02e-05
3109	107	0.08	-0.01	-1.18	0.0	4.74e-05	1.01e-05
3109	112	8.52	0.12	-1.23	0.0	9.83e-04	-4.56e-04
3109	129	4.79	-6.28	-1.57	0.0	5.65e-04	-2.90e-04
3109	133	-0.29	-5.87	-1.59	0.0	-5.78e-06	4.93e-05
3109	144	9.59	0.13	-1.24	0.0	1.10e-03	-5.16e-04
3109	161	5.41	-7.07	-1.62	0.0	6.31e-04	-3.29e-04
3109	165	-0.34	-6.60	-1.64	0.0	-1.28e-05	5.47e-05
3109	176	9.65	0.12	-1.24	0.0	1.10e-03	-5.10e-04
3109	193	5.54	-7.01	-1.62	0.0	6.41e-04	-3.32e-04
3109	197	-0.38	-6.48	-1.64	0.0	-1.45e-05	5.70e-05
3109	208	11.37	0.12	-1.25	0.0	1.29e-03	-5.99e-04
3109	225	6.62	-8.18	-1.69	0.0	7.54e-04	-3.98e-04
3109	233	-0.54	-7.58	-1.71	0.0	-5.38e-05	4.17e-05
3110	28	0.19	-0.73	-2.27	0.0	8.37e-05	1.40e-05
3110	44	0.17	-1.18	-1.99	0.0	7.38e-05	1.44e-05
3110	52	0.20	-0.06	-2.23	0.0	8.38e-05	1.38e-05
3110	80	0.14	-0.49	-1.58	0.0	5.90e-05	1.08e-05
3110	88	0.12	-0.79	-1.39	0.0	5.23e-05	1.10e-05
3110	92	0.14	-0.04	-1.56	0.0	5.91e-05	1.06e-05
3110	98	0.11	-0.04	-1.27	0.0	4.92e-05	1.03e-05
3110	105	0.11	-0.19	-1.21	0.0	4.69e-05	1.04e-05
3110	107	0.11	-0.04	-1.21	0.0	4.70e-05	1.03e-05
3110	112	9.01	0.13	-1.25	0.0	9.02e-04	-4.75e-04
3110	129	5.07	-6.81	-1.58	0.0	5.15e-04	-3.03e-04
3110	133	-0.29	-6.35	-1.60	0.0	1.12e-06	5.28e-05
3110	144	10.14	0.15	-1.26	0.0	1.01e-03	-5.37e-04
3110	161	5.72	-7.66	-1.63	0.0	5.76e-04	-3.44e-04
3110	165	-0.35	-7.14	-1.65	0.0	-4.97e-06	5.87e-05
3110	176	10.20	0.14	-1.26	0.0	1.01e-03	-5.30e-04
3110	193	5.86	-7.59	-1.63	0.0	5.84e-04	-3.47e-04
3110	197	-0.38	-7.00	-1.64	0.0	-6.54e-06	6.10e-05
3110	208	12.01	0.15	-1.28	0.0	1.18e-03	-6.22e-04
3110	225	6.99	-8.86	-1.70	0.0	6.86e-04	-4.16e-04
3110	233	-0.56	-8.19	-1.71	0.0	-4.57e-05	4.55e-05
3111	18	0.05	0.89	-2.27	0.0	8.44e-05	1.32e-05
3111	28	0.06	-0.52	-2.76	0.0	9.51e-05	1.23e-05
3111	52	0.07	0.02	-2.72	0.0	9.52e-05	1.21e-05

3111	75	0.04	0.60	-1.59	0.0	6.04e-05	9.99e-06
3111	80	0.05	-0.35	-1.92	0.0	6.76e-05	9.41e-06
3111	92	0.05	0.01	-1.89	0.0	6.76e-05	9.25e-06
3111	98	0.04	8.19e-03	-1.55	0.0	5.72e-05	8.93e-06
3111	103	0.04	0.12	-1.45	0.0	5.49e-05	9.10e-06
3111	107	0.04	7.51e-03	-1.46	0.0	5.50e-05	8.98e-06
3111	112	7.22	0.06	-1.54	0.0	1.13e-03	-4.22e-04
3111	130	-3.97	5.27	-1.05	0.0	-5.48e-04	2.78e-04
3111	133	-0.28	-4.95	-1.92	0.0	-1.32e-05	3.94e-05
3111	144	8.13	0.06	-1.55	0.0	1.27e-03	-4.76e-04
3111	162	-4.49	5.93	-1.00	0.0	-6.25e-04	3.13e-04
3111	165	-0.32	-5.56	-1.97	0.0	-2.21e-05	4.38e-05
3111	176	8.18	0.04	-1.56	0.0	1.27e-03	-4.74e-04
3111	194	-4.61	5.88	-1.00	0.0	-6.35e-04	3.18e-04
3111	197	-0.35	-5.46	-1.97	0.0	-2.35e-05	4.62e-05
3111	208	9.64	0.03	-1.58	0.0	1.49e-03	-5.58e-04
3111	226	-5.53	6.87	-0.92	0.0	-7.66e-04	3.79e-04
3111	229	-0.44	-6.34	-2.05	0.0	-3.79e-05	5.53e-05
3112	28	0.01	-0.49	-2.78	4.31e-04	1.17e-04	-4.34e-06
3112	43	8.39e-03	-0.82	-2.29	3.53e-04	9.89e-05	-3.25e-06
3112	52	0.02	-2.05e-03	-2.74	4.27e-04	1.17e-04	-4.66e-06
3112	80	8.90e-03	-0.33	-1.94	3.00e-04	8.35e-05	-3.03e-06
3112	87	5.72e-03	-0.54	-1.61	2.48e-04	7.17e-05	-2.30e-06
3112	92	0.01	-1.59e-03	-1.91	2.97e-04	8.36e-05	-3.24e-06
3112	98	8.06e-03	-1.73e-03	-1.56	2.43e-04	7.18e-05	-2.66e-06
3112	105	6.94e-03	-0.11	-1.48	2.31e-04	6.94e-05	-2.44e-06
3112	107	7.40e-03	-1.71e-03	-1.47	2.30e-04	6.94e-05	-2.51e-06
3112	112	6.62	2.10e-03	-1.55	2.90e-04	1.23e-03	-4.37e-04
3112	129	3.70	-4.78	-1.88	2.15e-04	7.16e-04	-2.65e-04
3112	133	-0.27	-4.52	-1.93	2.05e-04	-4.69e-06	2.17e-05
3112	144	7.46	-3.00e-04	-1.56	2.98e-04	1.37e-03	-4.92e-04
3112	161	4.18	-5.38	-1.94	2.14e-04	8.00e-04	-2.99e-04
3112	165	-0.31	-5.08	-1.98	2.02e-04	-1.43e-05	2.53e-05
3112	176	7.51	-0.02	-1.57	2.97e-04	1.37e-03	-4.92e-04
3112	193	4.29	-5.34	-1.94	2.15e-04	8.10e-04	-3.06e-04
3112	197	-0.34	-4.99	-1.98	2.03e-04	-1.57e-05	2.80e-05
3112	208	8.85	-0.04	-1.59	3.08e-04	1.60e-03	-5.79e-04
3112	225	5.14	-6.23	-2.02	2.13e-04	9.50e-04	-3.66e-04
3112	229	-0.42	-5.79	-2.06	1.99e-04	-3.12e-05	3.60e-05
3113	28	0.11	-0.58	-2.75	0.0	9.10e-05	2.36e-05
3113	45	0.04	-0.98	-0.96	0.0	3.65e-05	1.70e-05
3113	52	0.12	0.01	-2.71	0.0	9.10e-05	2.34e-05
3113	80	0.08	-0.38	-1.91	0.0	6.44e-05	1.79e-05
3113	85	0.05	-0.65	-1.01	0.0	3.86e-05	1.71e-05
3113	92	0.08	6.65e-03	-1.89	0.0	6.45e-05	1.78e-05
3113	98	0.07	4.38e-03	-1.54	0.0	5.43e-05	1.69e-05
3113	103	0.06	0.13	-1.45	0.0	5.19e-05	1.70e-05
3113	107	0.07	3.72e-03	-1.46	0.0	5.20e-05	1.69e-05
3113	112	7.79	0.09	-1.54	0.0	1.07e-03	-4.20e-04
3113	130	-4.24	5.77	-1.05	0.0	-5.15e-04	2.98e-04
3113	133	-0.28	-5.40	-1.91	0.0	-1.12e-05	5.39e-05
3113	144	8.77	0.10	-1.55	0.0	1.20e-03	-4.75e-04
3113	162	-4.81	6.49	-1.00	0.0	-5.88e-04	3.34e-04
3113	165	-0.33	-6.07	-1.97	0.0	-1.94e-05	5.90e-05
3113	176	8.83	0.09	-1.55	0.0	1.20e-03	-4.70e-04
3113	194	-4.93	6.43	-1.00	0.0	-5.97e-04	3.37e-04
3113	197	-0.36	-5.96	-1.96	0.0	-2.07e-05	6.11e-05
3113	208	10.40	0.08	-1.57	0.0	1.40e-03	-5.52e-04
3113	226	-5.91	7.52	-0.92	0.0	-7.20e-04	3.99e-04
3113	229	-0.45	-6.92	-2.04	0.0	-3.41e-05	7.15e-05
3114	28	0.16	-0.65	-2.75	0.0	8.66e-05	2.89e-05
3114	42	0.10	-1.07	-1.54	0.0	5.32e-05	2.89e-05
3114	52	0.16	-0.01	-2.71	0.0	8.67e-05	2.87e-05
3114	80	0.11	-0.43	-1.91	0.0	6.11e-05	2.19e-05
3114	86	0.07	-0.71	-1.11	0.0	3.88e-05	2.19e-05
3114	92	0.11	-0.01	-1.89	0.0	6.12e-05	2.18e-05
3114	98	0.10	-0.01	-1.54	0.0	5.11e-05	2.07e-05
3114	104	0.07	-0.15	-0.98	0.0	3.55e-05	2.08e-05
3114	106	0.07	-0.01	-0.97	0.0	3.55e-05	2.07e-05
3114	107	0.09	-0.01	-1.46	0.0	4.89e-05	2.07e-05
3114	112	8.32	0.12	-1.54	0.0	9.84e-04	-4.31e-04
3114	129	4.68	-6.28	-1.86	0.0	5.67e-04	-2.75e-04
3114	133	-0.28	-5.86	-1.91	0.0	-7.35e-06	6.28e-05
3114	144	9.37	0.13	-1.55	0.0	1.10e-03	-4.88e-04
3114	161	5.28	-7.06	-1.92	0.0	6.33e-04	-3.13e-04

3114	165	-0.34	-6.59	-1.96	0.0	-1.47e-05	6.86e-05
3114	176	9.43	0.12	-1.55	0.0	1.10e-03	-4.81e-04
3114	193	5.41	-7.00	-1.91	0.0	6.41e-04	-3.14e-04
3114	197	-0.37	-6.47	-1.96	0.0	-1.59e-05	7.05e-05
3114	208	11.10	0.12	-1.57	0.0	1.29e-03	-5.65e-04
3114	225	6.45	-8.18	-1.99	0.0	7.53e-04	-3.78e-04
3114	229	-0.47	-7.51	-2.04	0.0	-2.79e-05	8.19e-05
3115	28	0.20	-0.73	-2.76	0.0	8.22e-05	2.78e-05
3115	44	0.18	-1.17	-2.42	0.0	7.22e-05	2.80e-05
3115	52	0.21	-0.06	-2.72	0.0	8.23e-05	2.77e-05
3115	80	0.14	-0.49	-1.92	0.0	5.78e-05	2.12e-05
3115	88	0.13	-0.79	-1.69	0.0	5.11e-05	2.13e-05
3115	92	0.15	-0.04	-1.89	0.0	5.79e-05	2.11e-05
3115	98	0.12	-0.03	-1.55	0.0	4.80e-05	2.01e-05
3115	105	0.12	-0.18	-1.47	0.0	4.57e-05	2.02e-05
3115	107	0.12	-0.03	-1.47	0.0	4.57e-05	2.01e-05
3115	112	8.81	0.13	-1.55	0.0	8.91e-04	-4.53e-04
3115	129	4.96	-6.81	-1.87	0.0	5.09e-04	-2.90e-04
3115	133	-0.28	-6.35	-1.91	0.0	-2.61e-06	6.56e-05
3115	144	9.91	0.15	-1.56	0.0	9.98e-04	-5.12e-04
3115	161	5.59	-7.66	-1.92	0.0	5.69e-04	-3.30e-04
3115	165	-0.34	-7.13	-1.96	0.0	-8.94e-06	7.17e-05
3115	176	9.97	0.14	-1.56	0.0	9.97e-04	-5.04e-04
3115	193	5.72	-7.59	-1.91	0.0	5.76e-04	-3.31e-04
3115	197	-0.37	-7.00	-1.96	0.0	-1.01e-05	7.38e-05
3115	208	11.74	0.15	-1.58	0.0	1.16e-03	-5.91e-04
3115	225	6.82	-8.86	-1.99	0.0	6.76e-04	-3.98e-04
3115	229	-0.48	-8.12	-2.04	0.0	-2.05e-05	8.59e-05
3116	18	0.06	0.90	-2.50	0.0	1.02e-04	2.23e-05
3116	28	0.07	-0.51	-3.04	0.0	1.12e-04	2.19e-05
3116	52	0.08	0.02	-2.99	0.0	1.13e-04	2.17e-05
3116	75	0.04	0.60	-1.76	0.0	7.33e-05	1.68e-05
3116	80	0.05	-0.34	-2.11	0.0	8.05e-05	1.65e-05
3116	92	0.05	0.02	-2.08	0.0	8.06e-05	1.63e-05
3116	98	0.05	0.01	-1.70	0.0	6.93e-05	1.54e-05
3116	103	0.04	0.13	-1.60	0.0	6.69e-05	1.54e-05
3116	107	0.04	0.01	-1.61	0.0	6.70e-05	1.53e-05
3116	112	7.02	0.06	-1.73	0.0	1.19e-03	-4.04e-04
3116	130	-3.85	5.27	-1.21	0.0	-5.59e-04	2.80e-04
3116	133	-0.27	-4.94	-2.08	0.0	-6.97e-06	4.71e-05
3116	144	7.91	0.06	-1.74	0.0	1.33e-03	-4.58e-04
3116	162	-4.35	5.94	-1.16	0.0	-6.39e-04	3.15e-04
3116	165	-0.31	-5.56	-2.14	0.0	-1.65e-05	5.16e-05
3116	176	7.96	0.05	-1.74	0.0	1.33e-03	-4.54e-04
3116	194	-4.47	5.89	-1.16	0.0	-6.47e-04	3.18e-04
3116	197	-0.34	-5.46	-2.13	0.0	-1.73e-05	5.39e-05
3116	208	9.38	0.03	-1.77	0.0	1.55e-03	-5.35e-04
3116	226	-5.35	6.87	-1.08	0.0	-7.81e-04	3.77e-04
3116	229	-0.43	-6.34	-2.22	0.0	-3.24e-05	6.32e-05
3117	28	0.01	-0.49	-3.08	1.81e-05	1.40e-04	-3.66e-06
3117	43	6.78e-03	-0.82	-2.53	1.35e-05	1.21e-04	-2.66e-06
3117	52	0.01	-1.63e-03	-3.03	1.98e-05	1.41e-04	-3.98e-06
3117	80	7.38e-03	-0.33	-2.14	1.30e-05	1.01e-04	-2.54e-06
3117	87	4.59e-03	-0.54	-1.78	9.89e-06	8.80e-05	-1.87e-06
3117	92	8.67e-03	-1.28e-03	-2.11	1.41e-05	1.01e-04	-2.75e-06
3117	98	6.73e-03	-1.43e-03	-1.73	1.17e-05	8.82e-05	-2.23e-06
3117	105	5.72e-03	-0.11	-1.64	1.09e-05	8.56e-05	-2.03e-06
3117	107	6.15e-03	-1.41e-03	-1.63	1.13e-05	8.56e-05	-2.10e-06
3117	112	6.39	2.22e-03	-1.75	4.23e-05	1.30e-03	-4.40e-04
3117	129	3.57	-4.78	-2.04	-2.52e-05	7.66e-04	-2.66e-04
3117	133	-0.27	-4.52	-2.10	-8.90e-06	4.31e-06	2.20e-05
3117	144	7.21	-1.98e-04	-1.76	4.62e-05	1.46e-03	-4.96e-04
3117	161	4.03	-5.38	-2.09	-2.96e-05	8.53e-04	-3.00e-04
3117	165	-0.31	-5.08	-2.16	-1.13e-05	-6.16e-06	2.56e-05
3117	176	7.25	-0.02	-1.76	4.46e-05	1.45e-03	-4.96e-04
3117	193	4.14	-5.33	-2.09	-2.88e-05	8.61e-04	-3.07e-04
3117	197	-0.34	-4.99	-2.16	-1.02e-05	-6.96e-06	2.83e-05
3117	208	8.55	-0.04	-1.79	4.97e-05	1.69e-03	-5.83e-04
3117	225	4.95	-6.23	-2.17	-3.53e-05	1.01e-03	-3.68e-04
3117	229	-0.42	-5.79	-2.24	-1.36e-05	-2.34e-05	3.63e-05
3118	28	0.13	-0.57	-3.02	0.0	1.01e-04	4.15e-05
3118	45	0.05	-0.97	-1.06	0.0	4.35e-05	2.77e-05
3118	52	0.13	0.02	-2.97	0.0	1.01e-04	4.14e-05
3118	80	0.09	-0.38	-2.10	0.0	7.22e-05	3.11e-05
3118	85	0.06	-0.65	-1.11	0.0	4.57e-05	2.80e-05

3118	92	0.10	0.01	-2.07	0.0	7.23e-05	3.10e-05
3118	98	0.08	7.23e-03	-1.69	0.0	6.16e-05	2.90e-05
3118	103	0.08	0.13	-1.59	0.0	5.93e-05	2.90e-05
3118	107	0.08	6.42e-03	-1.60	0.0	5.94e-05	2.88e-05
3118	112	7.62	0.10	-1.72	0.0	1.10e-03	-3.88e-04
3118	130	-4.12	5.77	-1.20	0.0	-5.21e-04	3.03e-04
3118	133	-0.27	-5.39	-2.07	0.0	-8.34e-06	6.95e-05
3118	144	8.58	0.10	-1.73	0.0	1.23e-03	-4.41e-04
3118	162	-4.67	6.49	-1.15	0.0	-5.95e-04	3.38e-04
3118	165	-0.32	-6.07	-2.13	0.0	-1.71e-05	7.50e-05
3118	176	8.63	0.09	-1.73	0.0	1.23e-03	-4.32e-04
3118	194	-4.79	6.44	-1.15	0.0	-6.03e-04	3.39e-04
3118	197	-0.35	-5.95	-2.12	0.0	-1.79e-05	7.68e-05
3118	208	10.16	0.09	-1.76	0.0	1.44e-03	-5.09e-04
3118	226	-5.74	7.52	-1.07	0.0	-7.27e-04	3.98e-04
3118	229	-0.44	-6.91	-2.21	0.0	-3.18e-05	8.76e-05
3119	28	0.18	-0.64	-3.01	0.0	8.85e-05	5.13e-05
3119	42	0.12	-1.06	-1.69	0.0	5.54e-05	4.88e-05
3119	52	0.18	-9.71e-03	-2.97	0.0	8.86e-05	5.13e-05
3119	80	0.13	-0.43	-2.10	0.0	6.26e-05	3.86e-05
3119	86	0.09	-0.71	-1.22	0.0	4.06e-05	3.69e-05
3119	92	0.13	-7.74e-03	-2.07	0.0	6.27e-05	3.85e-05
3119	98	0.11	-7.61e-03	-1.69	0.0	5.26e-05	3.61e-05
3119	104	0.08	-0.15	-1.07	0.0	3.72e-05	3.49e-05
3119	106	0.08	-9.10e-03	-1.06	0.0	3.72e-05	3.49e-05
3119	107	0.11	-7.82e-03	-1.60	0.0	5.04e-05	3.59e-05
3119	112	8.16	0.12	-1.71	0.0	9.89e-04	-3.95e-04
3119	129	4.59	-6.27	-2.00	0.0	5.71e-04	-2.53e-04
3119	133	-0.27	-5.86	-2.07	0.0	-9.03e-06	8.30e-05
3119	144	9.19	0.14	-1.73	0.0	1.11e-03	-4.49e-04
3119	161	5.18	-7.06	-2.05	0.0	6.38e-04	-2.90e-04
3119	165	-0.32	-6.59	-2.13	0.0	-1.67e-05	8.92e-05
3119	176	9.24	0.12	-1.73	0.0	1.11e-03	-4.37e-04
3119	193	5.30	-7.00	-2.05	0.0	6.44e-04	-2.88e-04
3119	197	-0.35	-6.47	-2.12	0.0	-1.75e-05	9.08e-05
3119	208	10.87	0.13	-1.76	0.0	1.29e-03	-5.15e-04
3119	225	6.31	-8.17	-2.13	0.0	7.56e-04	-3.49e-04
3119	229	-0.45	-7.51	-2.20	0.0	-2.98e-05	1.03e-04
3120	28	0.22	-0.73	-3.02	0.0	7.74e-05	4.79e-05
3120	44	0.20	-1.17	-2.64	0.0	6.75e-05	4.77e-05
3120	52	0.23	-0.05	-2.97	0.0	7.74e-05	4.79e-05
3120	80	0.16	-0.49	-2.10	0.0	5.42e-05	3.62e-05
3120	88	0.14	-0.78	-1.85	0.0	4.76e-05	3.61e-05
3120	92	0.16	-0.04	-2.07	0.0	5.42e-05	3.62e-05
3120	98	0.14	-0.03	-1.69	0.0	4.46e-05	3.43e-05
3120	105	0.13	-0.18	-1.61	0.0	4.24e-05	3.42e-05
3120	107	0.13	-0.03	-1.60	0.0	4.24e-05	3.42e-05
3120	112	8.64	0.14	-1.72	0.0	8.71e-04	-4.21e-04
3120	129	4.86	-6.80	-2.01	0.0	4.98e-04	-2.71e-04
3120	133	-0.27	-6.34	-2.07	0.0	-8.16e-06	8.41e-05
3120	144	9.72	0.15	-1.73	0.0	9.77e-04	-4.78e-04
3120	161	5.48	-7.65	-2.06	0.0	5.57e-04	-3.10e-04
3120	165	-0.33	-7.13	-2.13	0.0	-1.47e-05	9.07e-05
3120	176	9.78	0.14	-1.73	0.0	9.75e-04	-4.66e-04
3120	193	5.61	-7.59	-2.06	0.0	5.63e-04	-3.08e-04
3120	197	-0.36	-7.00	-2.12	0.0	-1.55e-05	9.23e-05
3120	208	11.50	0.15	-1.76	0.0	1.14e-03	-5.47e-04
3120	225	6.68	-8.85	-2.14	0.0	6.60e-04	-3.72e-04
3120	229	-0.46	-8.12	-2.21	0.0	-2.60e-05	1.05e-04
3121	18	0.08	0.91	-2.45	0.0	1.29e-04	2.97e-05
3121	28	0.09	-0.51	-2.97	0.0	1.40e-04	2.97e-05
3121	52	0.09	0.03	-2.92	0.0	1.40e-04	2.95e-05
3121	75	0.06	0.60	-1.72	0.0	9.36e-05	2.22e-05
3121	80	0.06	-0.34	-2.07	0.0	1.01e-04	2.22e-05
3121	92	0.07	0.02	-2.04	0.0	1.01e-04	2.21e-05
3121	98	0.06	0.02	-1.67	0.0	8.84e-05	2.05e-05
3121	103	0.05	0.13	-1.57	0.0	8.59e-05	2.05e-05
3121	107	0.05	0.02	-1.58	0.0	8.59e-05	2.04e-05
3121	112	6.85	0.06	-1.71	0.0	1.28e-03	-3.92e-04
3121	130	-3.73	5.28	-1.19	0.0	-5.79e-04	2.82e-04
3121	133	-0.26	-4.94	-2.04	0.0	3.86e-06	5.33e-05
3121	144	7.72	0.07	-1.73	0.0	1.43e-03	-4.44e-04
3121	162	-4.22	5.94	-1.15	0.0	-6.65e-04	3.16e-04
3121	165	-0.30	-5.55	-2.10	0.0	-6.61e-06	5.79e-05
3121	176	7.76	0.05	-1.73	0.0	1.42e-03	-4.39e-04

3121	194	-4.33	5.89	-1.15	0.0	-6.70e-04	3.19e-04
3121	197	-0.33	-5.45	-2.09	0.0	-6.94e-06	6.00e-05
3121	208	9.14	0.04	-1.76	0.0	1.66e-03	-5.18e-04
3121	226	-5.18	6.87	-1.07	0.0	-8.11e-04	3.77e-04
3121	229	-0.41	-6.33	-2.17	0.0	-2.31e-05	6.94e-05
3122	28	9.05e-03	-0.49	-2.95	-4.63e-04	1.64e-04	-3.23e-06
3122	43	5.40e-03	-0.81	-2.43	-3.80e-04	1.42e-04	-2.29e-06
3122	52	0.01	-1.36e-03	-2.91	-4.55e-04	1.65e-04	-3.56e-06
3122	80	6.05e-03	-0.33	-2.06	-3.22e-04	1.19e-04	-2.23e-06
3122	87	3.62e-03	-0.54	-1.71	-2.67e-04	1.04e-04	-1.61e-06
3122	92	7.21e-03	-1.07e-03	-2.03	-3.17e-04	1.19e-04	-2.45e-06
3122	98	5.55e-03	-1.21e-03	-1.66	-2.59e-04	1.05e-04	-1.98e-06
3122	105	4.66e-03	-0.11	-1.58	-2.46e-04	1.02e-04	-1.78e-06
3122	107	5.04e-03	-1.20e-03	-1.57	-2.45e-04	1.02e-04	-1.85e-06
3122	112	6.17	2.23e-03	-1.71	-2.50e-04	1.38e-03	-4.43e-04
3122	129	3.44	-4.78	-1.95	-3.36e-04	8.17e-04	-2.67e-04
3122	133	-0.27	-4.52	-2.04	-3.35e-04	1.30e-05	2.21e-05
3122	144	6.95	-2.11e-04	-1.73	-2.50e-04	1.54e-03	-5.00e-04
3122	161	3.89	-5.38	-2.00	-3.47e-04	9.08e-04	-3.02e-04
3122	165	-0.31	-5.08	-2.09	-3.47e-04	1.65e-06	2.57e-05
3122	176	7.00	-0.02	-1.73	-2.51e-04	1.54e-03	-5.00e-04
3122	193	3.99	-5.33	-2.00	-3.47e-04	9.14e-04	-3.09e-04
3122	197	-0.33	-4.99	-2.08	-3.45e-04	1.36e-06	2.84e-05
3122	208	8.25	-0.04	-1.76	-2.53e-04	1.79e-03	-5.88e-04
3122	225	4.77	-6.23	-2.08	-3.64e-04	1.07e-03	-3.70e-04
3122	229	-0.41	-5.79	-2.17	-3.61e-04	-1.61e-05	3.65e-05
3123	18	0.14	0.97	-2.45	0.0	1.09e-04	5.93e-05
3123	28	0.16	-0.56	-2.97	0.0	1.20e-04	6.00e-05
3123	52	0.16	0.02	-2.93	0.0	1.20e-04	5.99e-05
3123	75	0.10	0.65	-1.72	0.0	7.89e-05	4.42e-05
3123	80	0.12	-0.38	-2.07	0.0	8.59e-05	4.48e-05
3123	92	0.12	0.01	-2.04	0.0	8.61e-05	4.46e-05
3123	98	0.10	0.01	-1.67	0.0	7.45e-05	4.13e-05
3123	103	0.10	0.14	-1.57	0.0	7.21e-05	4.10e-05
3123	107	0.10	9.32e-03	-1.58	0.0	7.22e-05	4.09e-05
3123	112	7.49	0.10	-1.72	0.0	1.16e-03	-3.59e-04
3123	130	-4.01	5.77	-1.20	0.0	-5.34e-04	3.09e-04
3123	133	-0.25	-5.39	-2.05	0.0	-1.70e-06	8.58e-05
3123	144	8.43	0.11	-1.74	0.0	1.30e-03	-4.10e-04
3123	162	-4.55	6.49	-1.15	0.0	-6.11e-04	3.44e-04
3123	165	-0.30	-6.06	-2.11	0.0	-1.11e-05	9.18e-05
3123	176	8.48	0.09	-1.74	0.0	1.29e-03	-3.98e-04
3123	194	-4.66	6.44	-1.15	0.0	-6.17e-04	3.42e-04
3123	197	-0.33	-5.95	-2.10	0.0	-1.15e-05	9.32e-05
3123	208	9.97	0.09	-1.77	0.0	1.51e-03	-4.69e-04
3123	226	-5.59	7.52	-1.07	0.0	-7.45e-04	3.98e-04
3123	229	-0.42	-6.91	-2.18	0.0	-2.61e-05	1.04e-04
3124	28	0.22	-0.64	-2.99	0.0	9.06e-05	8.12e-05
3124	42	0.15	-1.06	-1.69	0.0	5.90e-05	7.41e-05
3124	52	0.22	-5.02e-03	-2.94	0.0	9.08e-05	8.11e-05
3124	80	0.16	-0.42	-2.08	0.0	6.44e-05	6.06e-05
3124	86	0.11	-0.71	-1.22	0.0	4.33e-05	5.59e-05
3124	92	0.16	-4.46e-03	-2.05	0.0	6.46e-05	6.06e-05
3124	98	0.14	-4.92e-03	-1.68	0.0	5.48e-05	5.61e-05
3124	104	0.11	-0.15	-1.07	0.0	4.00e-05	5.28e-05
3124	106	0.11	-7.37e-03	-1.06	0.0	4.01e-05	5.27e-05
3124	107	0.13	-5.27e-03	-1.59	0.0	5.27e-05	5.56e-05
3124	112	8.05	0.13	-1.73	0.0	9.97e-04	-3.53e-04
3124	129	4.53	-6.27	-1.98	0.0	5.77e-04	-2.27e-04
3124	133	-0.25	-5.86	-2.06	0.0	-1.01e-05	1.11e-04
3124	144	9.06	0.14	-1.75	0.0	1.12e-03	-4.05e-04
3124	161	5.11	-7.06	-2.03	0.0	6.44e-04	-2.63e-04
3124	165	-0.31	-6.59	-2.12	0.0	-1.81e-05	1.18e-04
3124	176	9.10	0.12	-1.75	0.0	1.11e-03	-3.87e-04
3124	193	5.22	-6.99	-2.02	0.0	6.49e-04	-2.57e-04
3124	197	-0.33	-6.46	-2.11	0.0	-1.86e-05	1.19e-04
3124	208	10.70	0.13	-1.78	0.0	1.30e-03	-4.56e-04
3124	225	6.21	-8.17	-2.10	0.0	7.60e-04	-3.13e-04
3124	229	-0.43	-7.50	-2.19	0.0	-3.11e-05	1.32e-04
3125	28	0.26	-0.72	-3.01	0.0	6.41e-05	8.08e-05
3125	44	0.23	-1.17	-2.64	0.0	5.51e-05	7.94e-05
3125	52	0.26	-0.05	-2.96	0.0	6.42e-05	8.09e-05
3125	80	0.18	-0.48	-2.10	0.0	4.45e-05	6.07e-05
3125	88	0.17	-0.78	-1.85	0.0	3.85e-05	5.97e-05
3125	92	0.18	-0.04	-2.07	0.0	4.46e-05	6.07e-05

3125	98	0.16	-0.03	-1.69	0.0	3.61e-05	5.68e-05
3125	105	0.15	-0.18	-1.61	0.0	3.41e-05	5.64e-05
3125	107	0.15	-0.03	-1.60	0.0	3.41e-05	5.64e-05
3125	112	8.52	0.14	-1.74	0.0	8.35e-04	-3.78e-04
3125	129	4.80	-6.80	-1.99	0.0	4.76e-04	-2.43e-04
3125	133	-0.26	-6.34	-2.08	0.0	-1.76e-05	1.14e-04
3125	144	9.58	0.16	-1.76	0.0	9.37e-04	-4.33e-04
3125	161	5.41	-7.65	-2.04	0.0	5.33e-04	-2.81e-04
3125	165	-0.32	-7.13	-2.14	0.0	-2.43e-05	1.21e-04
3125	176	9.62	0.14	-1.76	0.0	9.34e-04	-4.15e-04
3125	193	5.52	-7.58	-2.04	0.0	5.37e-04	-2.76e-04
3125	197	-0.34	-6.99	-2.13	0.0	-2.47e-05	1.22e-04
3125	208	11.31	0.15	-1.79	0.0	1.09e-03	-4.89e-04
3125	225	6.57	-8.85	-2.12	0.0	6.31e-04	-3.36e-04
3125	229	-0.44	-8.11	-2.22	0.0	-3.51e-05	1.36e-04
3126	18	0.10	0.91	-2.00	0.0	1.65e-04	3.21e-05
3126	28	0.11	-0.50	-2.43	0.0	1.78e-04	3.24e-05
3126	52	0.11	0.04	-2.40	0.0	1.78e-04	3.21e-05
3126	75	0.07	0.61	-1.41	0.0	1.21e-04	2.40e-05
3126	80	0.08	-0.33	-1.70	0.0	1.29e-04	2.42e-05
3126	92	0.08	0.03	-1.67	0.0	1.29e-04	2.40e-05
3126	98	0.07	0.02	-1.37	0.0	1.14e-04	2.22e-05
3126	103	0.07	0.14	-1.29	0.0	1.11e-04	2.21e-05
3126	107	0.07	0.02	-1.30	0.0	1.11e-04	2.20e-05
3126	112	6.69	0.07	-1.42	0.0	1.40e-03	-3.89e-04
3126	130	-3.62	5.28	-1.01	0.0	-6.11e-04	2.84e-04
3126	133	-0.25	-4.93	-1.66	0.0	1.85e-05	5.52e-05
3126	144	7.53	0.07	-1.44	0.0	1.57e-03	-4.41e-04
3126	162	-4.10	5.94	-0.97	0.0	-7.03e-04	3.18e-04
3126	165	-0.29	-5.54	-1.70	0.0	6.77e-06	5.98e-05
3126	176	7.57	0.06	-1.44	0.0	1.56e-03	-4.37e-04
3126	194	-4.19	5.89	-0.98	0.0	-7.07e-04	3.21e-04
3126	197	-0.32	-5.44	-1.70	0.0	6.95e-06	6.19e-05
3126	208	8.91	0.04	-1.47	0.0	1.81e-03	-5.15e-04
3126	226	-5.02	6.88	-0.92	0.0	-8.58e-04	3.78e-04
3126	229	-0.40	-6.32	-1.76	0.0	-1.08e-05	7.14e-05
3127	18	0.18	0.98	-2.10	0.0	1.40e-04	6.97e-05
3127	28	0.20	-0.56	-2.56	0.0	1.51e-04	7.11e-05
3127	52	0.20	0.03	-2.51	0.0	1.52e-04	7.09e-05
3127	75	0.13	0.65	-1.48	0.0	1.02e-04	5.19e-05
3127	80	0.15	-0.37	-1.78	0.0	1.10e-04	5.29e-05
3127	92	0.15	0.02	-1.75	0.0	1.10e-04	5.28e-05
3127	98	0.13	0.01	-1.44	0.0	9.65e-05	4.86e-05
3127	103	0.12	0.14	-1.35	0.0	9.40e-05	4.82e-05
3127	107	0.13	0.01	-1.36	0.0	9.40e-05	4.80e-05
3127	112	7.39	0.10	-1.50	0.0	1.27e-03	-3.44e-04
3127	130	-3.92	5.77	-1.04	0.0	-5.63e-04	3.14e-04
3127	133	-0.24	-5.38	-1.77	0.0	1.03e-05	9.54e-05
3127	144	8.32	0.11	-1.52	0.0	1.42e-03	-3.94e-04
3127	162	-4.44	6.49	-1.00	0.0	-6.47e-04	3.48e-04
3127	165	-0.29	-6.06	-1.82	0.0	0.0	1.02e-04
3127	176	8.35	0.10	-1.52	0.0	1.41e-03	-3.81e-04
3127	194	-4.54	6.44	-1.00	0.0	-6.50e-04	3.45e-04
3127	197	-0.31	-5.94	-1.81	0.0	0.0	1.03e-04
3127	208	9.82	0.09	-1.55	0.0	1.64e-03	-4.49e-04
3127	226	-5.45	7.52	-0.93	0.0	-7.87e-04	4.00e-04
3127	229	-0.40	-6.90	-1.88	0.0	-1.62e-05	1.15e-04
3128	28	0.27	-0.63	-2.66	0.0	1.01e-04	1.09e-04
3128	42	0.20	-1.06	-1.52	0.0	7.00e-05	9.68e-05
3128	52	0.28	-8.13e-04	-2.62	0.0	1.01e-04	1.09e-04
3128	80	0.20	-0.42	-1.86	0.0	7.23e-05	8.10e-05
3128	86	0.15	-0.71	-1.09	0.0	5.18e-05	7.29e-05
3128	92	0.20	-1.52e-03	-1.83	0.0	7.25e-05	8.09e-05
3128	98	0.18	-2.50e-03	-1.49	0.0	6.26e-05	7.43e-05
3128	104	0.14	-0.15	-0.96	0.0	4.83e-05	6.87e-05
3128	106	0.14	-5.81e-03	-0.95	0.0	4.84e-05	6.87e-05
3128	107	0.17	-2.97e-03	-1.42	0.0	6.05e-05	7.35e-05
3128	112	8.01	0.13	-1.56	0.0	1.03e-03	3.74e-04
3128	129	4.53	-6.27	-1.77	0.0	6.00e-04	-2.08e-04
3128	133	-0.23	-5.85	-1.86	0.0	-7.05e-06	3.46e-04
3128	144	9.01	0.14	-1.58	0.0	1.15e-03	4.11e-04
3128	161	5.09	-7.05	-1.82	0.0	6.70e-04	-2.44e-04
3128	165	-0.28	-6.58	-1.92	0.0	-1.56e-05	3.80e-04
3128	176	9.04	0.13	-1.59	0.0	1.15e-03	3.92e-04
3128	193	5.20	-6.99	-1.82	0.0	6.73e-04	-2.35e-04

3128	197	-0.30	-6.46	-1.91	0.0	-1.57e-05	3.68e-04
3128	208	10.62	0.13	-1.62	0.0	1.34e-03	4.37e-04
3128	225	6.17	-8.16	-1.89	0.0	7.86e-04	-2.88e-04
3128	229	-0.40	-7.50	-1.99	0.0	-2.87e-05	4.15e-04
3129	28	0.31	-0.72	-2.77	0.0	3.34e-05	1.44e-04
3129	44	0.28	-1.16	-2.44	0.0	2.68e-05	1.40e-04
3129	52	0.31	-0.05	-2.72	0.0	3.36e-05	1.44e-04
3129	80	0.22	-0.48	-1.93	0.0	2.24e-05	1.07e-04
3129	88	0.21	-0.78	-1.71	0.0	1.81e-05	1.04e-04
3129	92	0.23	-0.03	-1.90	0.0	2.26e-05	1.07e-04
3129	98	0.20	-0.03	-1.56	0.0	1.71e-05	9.86e-05
3129	105	0.19	-0.18	-1.48	0.0	1.56e-05	9.75e-05
3129	107	0.19	-0.03	-1.47	0.0	1.57e-05	9.75e-05
3129	112	8.46	0.14	-1.63	0.0	7.51e-04	4.14e-04
3129	129	4.78	-6.80	-1.86	0.0	4.24e-04	-2.05e-04
3129	133	-0.24	-6.34	-1.95	0.0	-3.40e-05	3.94e-04
3129	144	9.51	0.16	-1.65	0.0	8.44e-04	4.53e-04
3129	161	5.38	-7.65	-1.91	0.0	4.76e-04	-2.43e-04
3129	165	-0.29	-7.12	-2.01	0.0	-4.04e-05	4.31e-04
3129	176	9.54	0.14	-1.65	0.0	8.41e-04	4.28e-04
3129	193	5.49	-7.58	-1.91	0.0	4.79e-04	-2.29e-04
3129	197	-0.31	-6.99	-2.01	0.0	-4.06e-05	4.16e-04
3129	208	11.21	0.16	-1.69	0.0	9.84e-04	4.71e-04
3129	225	6.51	-8.85	-1.98	0.0	5.65e-04	-2.83e-04
3129	229	-0.42	-8.11	-2.09	0.0	-5.03e-05	4.64e-04
3130	28	0.23	-0.83	-1.84	0.0	8.46e-05	4.10e-06
3130	44	0.20	-1.29	-1.61	0.0	7.48e-05	4.58e-06
3130	52	0.24	-0.11	-1.81	0.0	8.48e-05	3.72e-06
3130	80	0.16	-0.56	-1.28	0.0	5.97e-05	3.20e-06
3130	88	0.14	-0.87	-1.13	0.0	5.32e-05	3.52e-06
3130	92	0.17	-0.08	-1.26	0.0	5.99e-05	2.95e-06
3130	98	0.14	-0.07	-1.03	0.0	5.01e-05	3.04e-06
3130	105	0.13	-0.22	-0.98	0.0	4.79e-05	3.18e-06
3130	107	0.13	-0.07	-0.98	0.0	4.79e-05	3.09e-06
3130	112	9.65	0.14	-1.01	0.0	8.47e-04	-5.05e-04
3130	129	5.44	-7.32	-1.23	0.0	4.79e-04	-3.22e-04
3130	133	-0.29	-6.82	-1.24	0.0	1.10e-05	4.60e-05
3130	144	10.86	0.16	-1.01	0.0	9.48e-04	-5.70e-04
3130	161	6.13	-8.23	-1.26	0.0	5.35e-04	-3.65e-04
3130	165	-0.35	-7.66	-1.27	0.0	5.97e-06	5.20e-05
3130	176	10.93	0.14	-1.01	0.0	9.48e-04	-5.64e-04
3130	193	6.29	-8.16	-1.26	0.0	5.43e-04	-3.68e-04
3130	197	-0.38	-7.52	-1.27	0.0	4.13e-06	5.45e-05
3130	208	12.87	0.16	-1.02	0.0	1.11e-03	-6.61e-04
3130	225	7.50	-9.52	-1.31	0.0	6.37e-04	-4.40e-04
3130	233	-0.57	-8.79	-1.32	0.0	-3.39e-05	3.94e-05
3131	28	0.27	-0.93	-1.92	0.0	8.47e-05	1.50e-06
3131	44	0.24	-1.41	-1.68	0.0	7.50e-05	2.00e-06
3131	52	0.28	-0.18	-1.90	0.0	8.49e-05	1.09e-06
3131	80	0.19	-0.63	-1.34	0.0	5.99e-05	1.23e-06
3131	88	0.17	-0.95	-1.18	0.0	5.35e-05	1.56e-06
3131	92	0.20	-0.13	-1.32	0.0	6.00e-05	0.0
3131	98	0.16	-0.11	-1.08	0.0	5.03e-05	1.17e-06
3131	105	0.15	-0.27	-1.03	0.0	4.82e-05	1.31e-06
3131	107	0.15	-0.10	-1.02	0.0	4.82e-05	1.22e-06
3131	112	10.05	0.13	-1.05	0.0	8.02e-04	-5.28e-04
3131	129	5.66	-7.83	-1.27	0.0	4.51e-04	-3.37e-04
3131	133	-0.28	-7.28	-1.29	0.0	1.57e-05	4.58e-05
3131	144	11.31	0.16	-1.06	0.0	8.97e-04	-5.95e-04
3131	161	6.38	-8.80	-1.30	0.0	5.03e-04	-3.80e-04
3131	165	-0.34	-8.18	-1.32	0.0	1.13e-05	5.20e-05
3131	176	11.38	0.15	-1.06	0.0	8.96e-04	-5.89e-04
3131	193	6.54	-8.72	-1.30	0.0	5.10e-04	-3.84e-04
3131	197	-0.38	-8.03	-1.31	0.0	9.53e-06	5.47e-05
3131	208	13.39	0.17	-1.07	0.0	1.05e-03	-6.90e-04
3131	225	7.80	-10.17	-1.35	0.0	5.98e-04	-4.58e-04
3131	233	-0.58	-9.38	-1.36	0.0	-2.93e-05	4.05e-05
3132	28	0.32	-1.05	-2.08	0.0	8.89e-05	-2.11e-06
3132	44	0.28	-1.54	-1.82	0.0	7.20e-05	0.0
3132	52	0.32	-0.27	-2.05	0.0	9.82e-05	-3.66e-06
3132	80	0.22	-0.71	-1.45	0.0	6.33e-05	-1.52e-06
3132	88	0.20	-1.03	-1.27	0.0	5.20e-05	0.0
3132	92	0.23	-0.19	-1.43	0.0	6.95e-05	-2.55e-06
3132	98	0.19	-0.16	-1.17	0.0	5.83e-05	-1.98e-06
3132	105	0.18	-0.32	-1.11	0.0	5.38e-05	-1.54e-06

3132	107	0.18	-0.15	-1.11	0.0	5.59e-05	-1.89e-06
3132	112	10.43	0.11	-1.14	0.0	6.94e-04	-5.53e-04
3132	129	5.87	-8.32	-1.35	0.0	4.24e-04	-3.52e-04
3132	133	-0.27	-7.74	-1.37	0.0	2.03e-05	4.41e-05
3132	144	11.73	0.14	-1.14	0.0	7.74e-04	-6.23e-04
3132	161	6.62	-9.34	-1.39	0.0	4.71e-04	-3.97e-04
3132	165	-0.33	-8.68	-1.40	0.0	1.55e-05	5.05e-05
3132	176	11.81	0.13	-1.14	0.0	7.75e-04	-6.17e-04
3132	193	6.78	-9.26	-1.38	0.0	4.77e-04	-4.01e-04
3132	197	-0.37	-8.52	-1.40	0.0	1.39e-05	5.33e-05
3132	208	13.89	0.16	-1.15	0.0	9.03e-04	-7.22e-04
3132	225	8.08	-10.78	-1.43	0.0	5.58e-04	-4.78e-04
3132	233	-0.59	-9.95	-1.44	0.0	-4.41e-06	4.03e-05
3133	28	0.24	-0.82	-2.32	0.0	8.22e-05	1.16e-05
3133	44	0.21	-1.29	-2.03	0.0	7.24e-05	1.20e-05
3133	52	0.24	-0.11	-2.28	0.0	8.23e-05	1.14e-05
3133	80	0.17	-0.55	-1.61	0.0	5.79e-05	8.89e-06
3133	88	0.15	-0.86	-1.42	0.0	5.14e-05	9.12e-06
3133	92	0.17	-0.08	-1.59	0.0	5.80e-05	8.70e-06
3133	98	0.14	-0.07	-1.30	0.0	4.83e-05	8.44e-06
3133	105	0.13	-0.22	-1.24	0.0	4.61e-05	8.54e-06
3133	107	0.13	-0.06	-1.23	0.0	4.61e-05	8.47e-06
3133	112	9.43	0.14	-1.28	0.0	8.31e-04	-4.98e-04
3133	129	5.31	-7.32	-1.59	0.0	4.72e-04	-3.18e-04
3133	133	-0.28	-6.82	-1.62	0.0	6.85e-06	5.30e-05
3133	144	10.61	0.16	-1.29	0.0	9.31e-04	-5.62e-04
3133	161	5.98	-8.23	-1.64	0.0	5.27e-04	-3.60e-04
3133	165	-0.34	-7.66	-1.66	0.0	1.62e-06	5.91e-05
3133	176	10.68	0.15	-1.29	0.0	9.30e-04	-5.55e-04
3133	193	6.13	-8.16	-1.64	0.0	5.33e-04	-3.63e-04
3133	197	-0.38	-7.52	-1.66	0.0	0.0	6.15e-05
3133	208	12.57	0.17	-1.30	0.0	1.09e-03	-6.51e-04
3133	225	7.31	-9.52	-1.71	0.0	6.26e-04	-4.34e-04
3133	229	-0.49	-8.71	-1.73	0.0	-8.79e-06	7.38e-05
3134	28	0.28	-0.93	-2.38	0.0	8.01e-05	6.14e-06
3134	44	0.24	-1.40	-2.08	0.0	7.06e-05	6.52e-06
3134	52	0.28	-0.18	-2.34	0.0	8.03e-05	5.79e-06
3134	80	0.19	-0.62	-1.66	0.0	5.65e-05	4.72e-06
3134	88	0.17	-0.94	-1.46	0.0	5.01e-05	4.97e-06
3134	92	0.20	-0.13	-1.63	0.0	5.66e-05	4.49e-06
3134	98	0.16	-0.11	-1.33	0.0	4.71e-05	4.48e-06
3134	105	0.16	-0.27	-1.27	0.0	4.50e-05	4.59e-06
3134	107	0.16	-0.10	-1.26	0.0	4.50e-05	4.51e-06
3134	112	9.81	0.14	-1.31	0.0	7.78e-04	-5.26e-04
3134	129	5.53	-7.84	-1.62	0.0	4.39e-04	-3.35e-04
3134	133	-0.28	-7.29	-1.64	0.0	1.07e-05	4.98e-05
3134	144	11.04	0.16	-1.32	0.0	8.71e-04	-5.93e-04
3134	161	6.23	-8.81	-1.66	0.0	4.90e-04	-3.79e-04
3134	165	-0.34	-8.18	-1.69	0.0	6.12e-06	5.61e-05
3134	176	11.11	0.15	-1.32	0.0	8.69e-04	-5.87e-04
3134	193	6.38	-8.73	-1.66	0.0	4.95e-04	-3.82e-04
3134	197	-0.38	-8.03	-1.68	0.0	4.68e-06	5.87e-05
3134	208	13.07	0.17	-1.34	0.0	1.01e-03	-6.87e-04
3134	225	7.60	-10.17	-1.73	0.0	5.81e-04	-4.57e-04
3134	229	-0.49	-9.30	-1.75	0.0	-3.22e-06	7.13e-05
3135	28	0.32	-1.05	-2.50	0.0	9.53e-05	-1.90e-06
3135	44	0.28	-1.54	-2.19	0.0	8.31e-05	0.0
3135	52	0.32	-0.27	-2.46	0.0	9.78e-05	-3.11e-06
3135	80	0.22	-0.71	-1.74	0.0	6.77e-05	-1.30e-06
3135	88	0.20	-1.03	-1.53	0.0	5.96e-05	0.0
3135	92	0.22	-0.19	-1.72	0.0	6.94e-05	-2.12e-06
3135	98	0.19	-0.16	-1.40	0.0	5.85e-05	-1.51e-06
3135	105	0.18	-0.32	-1.34	0.0	5.56e-05	-1.14e-06
3135	107	0.18	-0.15	-1.33	0.0	5.62e-05	-1.41e-06
3135	112	10.18	0.11	-1.38	0.0	7.02e-04	-5.60e-04
3135	129	5.73	-8.32	-1.68	0.0	4.25e-04	-3.55e-04
3135	133	-0.27	-7.74	-1.70	0.0	1.85e-05	4.40e-05
3135	144	11.45	0.14	-1.39	0.0	7.83e-04	-6.31e-04
3135	161	6.45	-9.34	-1.72	0.0	4.73e-04	-4.01e-04
3135	165	-0.34	-8.68	-1.75	0.0	1.35e-05	5.03e-05
3135	176	11.52	0.13	-1.39	0.0	7.83e-04	-6.25e-04
3135	193	6.61	-9.26	-1.72	0.0	4.78e-04	-4.05e-04
3135	197	-0.37	-8.52	-1.74	0.0	1.22e-05	5.32e-05
3135	208	13.55	0.16	-1.40	0.0	9.12e-04	-7.31e-04
3135	225	7.87	-10.78	-1.79	0.0	5.59e-04	-4.83e-04

3135	229	-0.49	-9.87	-1.81	0.0	3.72e-06	6.61e-05
3136	28	0.25	-0.82	-2.78	0.0	7.68e-05	2.15e-05
3136	44	0.21	-1.29	-2.43	0.0	6.70e-05	2.18e-05
3136	52	0.25	-0.11	-2.74	0.0	7.68e-05	2.14e-05
3136	80	0.17	-0.55	-1.93	0.0	5.38e-05	1.64e-05
3136	88	0.15	-0.86	-1.70	0.0	4.72e-05	1.66e-05
3136	92	0.17	-0.08	-1.91	0.0	5.38e-05	1.63e-05
3136	98	0.15	-0.07	-1.56	0.0	4.43e-05	1.57e-05
3136	105	0.14	-0.22	-1.48	0.0	4.21e-05	1.57e-05
3136	107	0.14	-0.06	-1.48	0.0	4.21e-05	1.57e-05
3136	112	9.22	0.14	-1.56	0.0	8.05e-04	-4.81e-04
3136	129	5.19	-7.32	-1.87	0.0	4.57e-04	-3.08e-04
3136	133	-0.28	-6.82	-1.92	0.0	1.02e-06	6.26e-05
3136	144	10.38	0.16	-1.57	0.0	9.02e-04	-5.43e-04
3136	161	5.85	-8.23	-1.92	0.0	5.11e-04	-3.50e-04
3136	165	-0.34	-7.66	-1.97	0.0	-4.38e-06	6.90e-05
3136	176	10.44	0.15	-1.57	0.0	9.00e-04	-5.35e-04
3136	193	5.99	-8.16	-1.92	0.0	5.16e-04	-3.52e-04
3136	197	-0.37	-7.52	-1.96	0.0	-5.54e-06	7.12e-05
3136	208	12.28	0.17	-1.59	0.0	1.05e-03	-6.27e-04
3136	225	7.13	-9.52	-2.00	0.0	6.06e-04	-4.21e-04
3136	229	-0.48	-8.71	-2.04	0.0	-1.45e-05	8.37e-05
3137	28	0.28	-0.92	-2.82	0.0	7.04e-05	1.12e-05
3137	44	0.25	-1.40	-2.47	0.0	6.10e-05	1.16e-05
3137	52	0.28	-0.18	-2.77	0.0	7.06e-05	1.09e-05
3137	80	0.20	-0.62	-1.96	0.0	4.92e-05	8.57e-06
3137	88	0.17	-0.94	-1.73	0.0	4.29e-05	8.84e-06
3137	92	0.20	-0.12	-1.93	0.0	4.93e-05	8.39e-06
3137	98	0.17	-0.10	-1.58	0.0	4.03e-05	8.24e-06
3137	105	0.16	-0.27	-1.51	0.0	3.82e-05	8.35e-06
3137	107	0.16	-0.10	-1.50	0.0	3.82e-05	8.29e-06
3137	112	9.59	0.14	-1.58	0.0	7.39e-04	-5.18e-04
3137	129	5.40	-7.84	-1.89	0.0	4.17e-04	-3.30e-04
3137	133	-0.28	-7.29	-1.93	0.0	2.65e-06	5.48e-05
3137	144	10.79	0.17	-1.59	0.0	8.28e-04	-5.85e-04
3137	161	6.08	-8.81	-1.94	0.0	4.65e-04	-3.74e-04
3137	165	-0.34	-8.18	-1.99	0.0	-2.03e-06	6.12e-05
3137	176	10.85	0.15	-1.59	0.0	8.26e-04	-5.77e-04
3137	193	6.22	-8.73	-1.94	0.0	4.70e-04	-3.77e-04
3137	197	-0.37	-8.03	-1.98	0.0	-3.18e-06	6.37e-05
3137	208	12.76	0.18	-1.61	0.0	9.64e-04	-6.76e-04
3137	225	7.41	-10.18	-2.01	0.0	5.52e-04	-4.51e-04
3137	229	-0.49	-9.31	-2.06	0.0	-1.10e-05	7.65e-05
3138	28	0.31	-1.05	-2.90	0.0	1.01e-04	-2.39e-06
3138	44	0.27	-1.54	-2.54	0.0	9.12e-05	-1.41e-06
3138	52	0.32	-0.27	-2.86	0.0	1.00e-04	-3.17e-06
3138	80	0.22	-0.71	-2.02	0.0	7.19e-05	-1.61e-06
3138	88	0.19	-1.03	-1.78	0.0	6.55e-05	0.0
3138	92	0.22	-0.19	-1.99	0.0	7.14e-05	-2.12e-06
3138	98	0.19	-0.16	-1.63	0.0	6.13e-05	-1.43e-06
3138	105	0.18	-0.32	-1.55	0.0	5.92e-05	-1.16e-06
3138	107	0.18	-0.15	-1.54	0.0	5.91e-05	-1.33e-06
3138	112	9.93	0.11	-1.62	0.0	7.13e-04	-5.62e-04
3138	129	5.59	-8.32	-1.93	0.0	4.32e-04	-3.56e-04
3138	133	-0.28	-7.74	-1.98	0.0	1.99e-05	4.39e-05
3138	144	11.18	0.14	-1.63	0.0	7.96e-04	-6.33e-04
3138	161	6.30	-9.34	-1.98	0.0	4.80e-04	-4.02e-04
3138	165	-0.34	-8.68	-2.03	0.0	1.47e-05	5.02e-05
3138	176	11.24	0.13	-1.64	0.0	7.96e-04	-6.27e-04
3138	193	6.44	-9.26	-1.98	0.0	4.84e-04	-4.07e-04
3138	197	-0.37	-8.52	-2.02	0.0	1.37e-05	5.30e-05
3138	208	13.21	0.16	-1.66	0.0	9.25e-04	-7.35e-04
3138	225	7.67	-10.78	-2.06	0.0	5.64e-04	-4.85e-04
3138	229	-0.49	-9.87	-2.10	0.0	5.23e-06	6.59e-05
3139	28	0.26	-0.82	-3.03	0.0	6.62e-05	3.09e-05
3139	44	0.23	-1.28	-2.66	0.0	5.65e-05	3.15e-05
3139	52	0.26	-0.11	-2.99	0.0	6.62e-05	3.09e-05
3139	80	0.18	-0.55	-2.11	0.0	4.58e-05	2.37e-05
3139	88	0.16	-0.86	-1.86	0.0	3.93e-05	2.41e-05
3139	92	0.19	-0.08	-2.08	0.0	4.58e-05	2.37e-05
3139	98	0.16	-0.06	-1.70	0.0	3.67e-05	2.30e-05
3139	105	0.15	-0.22	-1.62	0.0	3.45e-05	2.32e-05
3139	107	0.15	-0.06	-1.61	0.0	3.45e-05	2.32e-05
3139	112	9.04	0.14	-1.73	0.0	7.63e-04	-4.60e-04
3139	129	5.09	-7.32	-2.01	0.0	4.32e-04	-2.97e-04

3139	133	-0.28	-6.81	-2.08	0.0	-7.72e-06	7.30e-05
3139	144	10.17	0.17	-1.74	0.0	8.56e-04	-5.22e-04
3139	161	5.73	-8.23	-2.07	0.0	4.83e-04	-3.38e-04
3139	165	-0.34	-7.66	-2.14	0.0	-1.32e-05	7.97e-05
3139	176	10.22	0.15	-1.74	0.0	8.53e-04	-5.10e-04
3139	193	5.86	-8.16	-2.06	0.0	4.88e-04	-3.38e-04
3139	197	-0.36	-7.52	-2.13	0.0	-1.40e-05	8.15e-05
3139	208	12.02	0.17	-1.77	0.0	9.96e-04	-5.99e-04
3139	225	6.98	-9.52	-2.14	0.0	5.73e-04	-4.06e-04
3139	229	-0.47	-8.71	-2.21	0.0	-2.29e-05	9.45e-05
3140	28	0.29	-0.92	-3.07	0.0	5.39e-05	1.19e-05
3140	44	0.26	-1.40	-2.69	0.0	4.48e-05	1.30e-05
3140	52	0.29	-0.17	-3.03	0.0	5.39e-05	1.18e-05
3140	80	0.21	-0.62	-2.14	0.0	3.67e-05	9.52e-06
3140	88	0.18	-0.94	-1.89	0.0	3.06e-05	1.02e-05
3140	92	0.21	-0.12	-2.11	0.0	3.67e-05	9.44e-06
3140	98	0.17	-0.10	-1.72	0.0	2.85e-05	9.76e-06
3140	105	0.16	-0.26	-1.64	0.0	2.65e-05	1.00e-05
3140	107	0.17	-0.10	-1.63	0.0	2.65e-05	9.98e-06
3140	112	9.38	0.14	-1.74	0.0	6.76e-04	-5.11e-04
3140	129	5.28	-7.85	-2.03	0.0	3.78e-04	-3.27e-04
3140	133	-0.28	-7.29	-2.10	0.0	-9.12e-06	5.75e-05
3140	144	10.56	0.17	-1.76	0.0	7.58e-04	-5.78e-04
3140	161	5.95	-8.82	-2.08	0.0	4.24e-04	-3.71e-04
3140	165	-0.34	-8.19	-2.16	0.0	-1.38e-05	6.40e-05
3140	176	10.61	0.16	-1.76	0.0	7.56e-04	-5.69e-04
3140	193	6.08	-8.74	-2.08	0.0	4.28e-04	-3.73e-04
3140	197	-0.37	-8.04	-2.15	0.0	-1.46e-05	6.64e-05
3140	208	12.47	0.18	-1.79	0.0	8.83e-04	-6.67e-04
3140	225	7.24	-10.19	-2.16	0.0	5.03e-04	-4.46e-04
3140	229	-0.48	-9.31	-2.23	0.0	-2.22e-05	7.93e-05
3141	28	0.31	-1.05	-3.16	0.0	1.07e-04	-3.03e-06
3141	44	0.27	-1.53	-2.77	0.0	9.86e-05	-2.25e-06
3141	52	0.31	-0.27	-3.11	0.0	1.05e-04	-3.48e-06
3141	80	0.22	-0.71	-2.20	0.0	7.71e-05	-2.04e-06
3141	88	0.19	-1.03	-1.94	0.0	7.14e-05	-1.52e-06
3141	92	0.22	-0.19	-2.17	0.0	7.60e-05	-2.34e-06
3141	98	0.18	-0.16	-1.77	0.0	6.70e-05	-1.58e-06
3141	105	0.17	-0.32	-1.69	0.0	6.53e-05	-1.38e-06
3141	107	0.18	-0.15	-1.68	0.0	6.49e-05	-1.48e-06
3141	112	9.69	0.11	-1.79	0.0	7.39e-04	-5.65e-04
3141	129	5.45	-8.32	-2.08	0.0	4.49e-04	-3.57e-04
3141	133	-0.29	-7.74	-2.15	0.0	2.42e-05	4.35e-05
3141	144	10.90	0.14	-1.81	0.0	8.25e-04	-6.36e-04
3141	161	6.14	-9.34	-2.13	0.0	4.98e-04	-4.04e-04
3141	165	-0.35	-8.68	-2.20	0.0	1.89e-05	4.98e-05
3141	176	10.95	0.13	-1.81	0.0	8.23e-04	-6.30e-04
3141	193	6.27	-9.26	-2.13	0.0	5.01e-04	-4.08e-04
3141	197	-0.38	-8.52	-2.20	0.0	1.82e-05	5.27e-05
3141	208	12.87	0.16	-1.83	0.0	9.56e-04	-7.38e-04
3141	225	7.46	-10.78	-2.21	0.0	5.83e-04	-4.87e-04
3141	229	-0.49	-9.87	-2.28	0.0	9.67e-06	6.55e-05
3142	28	0.28	-0.82	-3.04	0.0	4.47e-05	3.35e-05
3142	44	0.25	-1.28	-2.67	0.0	3.57e-05	3.51e-05
3142	52	0.28	-0.10	-2.99	0.0	4.46e-05	3.37e-05
3142	80	0.20	-0.55	-2.12	0.0	2.98e-05	2.63e-05
3142	88	0.18	-0.86	-1.87	0.0	2.38e-05	2.73e-05
3142	92	0.20	-0.07	-2.09	0.0	2.97e-05	2.64e-05
3142	98	0.17	-0.06	-1.71	0.0	2.19e-05	2.64e-05
3142	105	0.17	-0.22	-1.63	0.0	1.99e-05	2.68e-05
3142	107	0.17	-0.06	-1.62	0.0	1.99e-05	2.68e-05
3142	112	8.89	0.14	-1.76	0.0	6.94e-04	-4.51e-04
3142	129	5.01	-7.32	-2.02	0.0	3.89e-04	-2.92e-04
3142	133	-0.27	-6.81	-2.10	0.0	-2.21e-05	7.83e-05
3142	144	10.00	0.17	-1.78	0.0	7.79e-04	-5.11e-04
3142	161	5.64	-8.23	-2.07	0.0	4.36e-04	-3.33e-04
3142	165	-0.33	-7.65	-2.16	0.0	-2.75e-05	8.51e-05
3142	176	10.04	0.15	-1.78	0.0	7.76e-04	-4.98e-04
3142	193	5.76	-8.16	-2.07	0.0	4.40e-04	-3.32e-04
3142	197	-0.35	-7.51	-2.15	0.0	-2.81e-05	8.68e-05
3142	208	11.80	0.17	-1.81	0.0	9.08e-04	-5.83e-04
3142	225	6.85	-9.51	-2.15	0.0	5.18e-04	-3.99e-04
3142	229	-0.46	-8.71	-2.24	0.0	-3.66e-05	9.99e-05
3143	28	0.30	-0.91	-3.10	0.0	3.01e-05	-2.09e-06
3143	44	0.26	-1.40	-2.73	0.0	2.12e-05	1.24e-06

3143	52	0.30	-0.17	-3.06	0.0	2.99e-05	-1.88e-06
3143	80	0.21	-0.62	-2.16	0.0	1.87e-05	0.0
3143	88	0.19	-0.94	-1.91	0.0	1.27e-05	2.28e-06
3143	92	0.21	-0.12	-2.13	0.0	1.85e-05	0.0
3143	98	0.18	-0.10	-1.74	0.0	1.13e-05	2.76e-06
3143	105	0.17	-0.26	-1.66	0.0	9.29e-06	3.48e-06
3143	107	0.17	-0.09	-1.65	0.0	9.24e-06	3.53e-06
3143	112	9.19	0.15	-1.79	0.0	5.85e-04	-5.22e-04
3143	129	5.18	-7.86	-2.06	0.0	3.22e-04	-3.36e-04
3143	133	-0.28	-7.30	-2.14	0.0	-2.51e-05	5.02e-05
3143	144	10.34	0.18	-1.81	0.0	6.58e-04	-5.89e-04
3143	161	5.83	-8.83	-2.11	0.0	3.62e-04	-3.80e-04
3143	165	-0.34	-8.20	-2.20	0.0	-2.95e-05	5.66e-05
3143	176	10.38	0.16	-1.82	0.0	6.55e-04	-5.81e-04
3143	193	5.95	-8.75	-2.11	0.0	3.65e-04	-3.82e-04
3143	197	-0.37	-8.05	-2.19	0.0	-3.01e-05	5.89e-05
3143	208	12.20	0.19	-1.85	0.0	7.68e-04	-6.79e-04
3143	225	7.07	-10.20	-2.19	0.0	4.32e-04	-4.56e-04
3143	229	-0.48	-9.32	-2.28	0.0	-3.72e-05	7.17e-05
3144	28	0.31	-1.05	-3.23	0.0	1.16e-04	-3.48e-06
3144	44	0.27	-1.53	-2.84	0.0	1.08e-04	-2.86e-06
3144	52	0.31	-0.27	-3.18	0.0	1.15e-04	-3.78e-06
3144	80	0.22	-0.71	-2.25	0.0	8.44e-05	-2.39e-06
3144	88	0.19	-1.03	-1.99	0.0	7.89e-05	-1.98e-06
3144	92	0.22	-0.19	-2.22	0.0	8.37e-05	-2.59e-06
3144	98	0.18	-0.16	-1.81	0.0	7.60e-05	-1.85e-06
3144	105	0.17	-0.32	-1.73	0.0	7.43e-05	-1.69e-06
3144	107	0.17	-0.15	-1.72	0.0	7.40e-05	-1.75e-06
3144	112	9.45	0.11	-1.86	0.0	7.77e-04	-5.67e-04
3144	129	5.32	-8.32	-2.13	0.0	4.75e-04	-3.58e-04
3144	133	-0.29	-7.74	-2.22	0.0	3.21e-05	4.30e-05
3144	144	10.63	0.14	-1.88	0.0	8.66e-04	-6.39e-04
3144	161	5.98	-9.34	-2.18	0.0	5.27e-04	-4.05e-04
3144	165	-0.36	-8.68	-2.28	0.0	2.67e-05	4.93e-05
3144	176	10.67	0.13	-1.88	0.0	8.63e-04	-6.33e-04
3144	193	6.11	-9.26	-2.18	0.0	5.29e-04	-4.09e-04
3144	197	-0.38	-8.52	-2.27	0.0	2.62e-05	5.22e-05
3144	208	12.54	0.16	-1.91	0.0	1.00e-03	-7.41e-04
3144	225	7.26	-10.78	-2.27	0.0	6.12e-04	-4.88e-04
3144	229	-0.50	-9.87	-2.36	0.0	1.76e-05	6.51e-05
3145	28	0.30	-0.81	-2.88	0.0	-4.22e-06	1.74e-05
3145	44	0.27	-1.28	-2.53	0.0	-1.05e-05	2.10e-05
3145	52	0.30	-0.10	-2.83	0.0	-4.23e-06	1.78e-05
3145	80	0.22	-0.55	-2.01	0.0	-6.05e-06	1.51e-05
3145	88	0.20	-0.86	-1.78	0.0	-1.02e-05	1.75e-05
3145	92	0.22	-0.07	-1.97	0.0	-6.06e-06	1.53e-05
3145	98	0.19	-0.06	-1.61	0.0	-1.01e-05	1.74e-05
3145	105	0.18	-0.22	-1.54	0.0	-1.14e-05	1.82e-05
3145	107	0.18	-0.06	-1.53	0.0	-1.14e-05	1.83e-05
3145	112	8.76	0.15	-1.70	0.0	5.54e-04	-4.91e-04
3145	129	4.95	-7.32	-1.94	0.0	2.99e-04	-3.12e-04
3145	133	-0.26	-6.81	-2.05	0.0	-4.90e-05	6.36e-05
3145	144	9.85	0.17	-1.72	0.0	6.26e-04	-5.55e-04
3145	161	5.56	-8.23	-2.00	0.0	3.39e-04	-3.54e-04
3145	165	-0.32	-7.65	-2.11	0.0	-5.38e-05	6.98e-05
3145	176	9.88	0.15	-1.72	0.0	6.24e-04	-5.46e-04
3145	193	5.67	-8.15	-1.99	0.0	3.42e-04	-3.56e-04
3145	197	-0.35	-7.51	-2.10	0.0	-5.40e-05	7.19e-05
3145	208	11.61	0.17	-1.76	0.0	7.34e-04	-6.40e-04
3145	225	6.73	-9.51	-2.08	0.0	4.08e-04	-4.27e-04
3145	229	-0.45	-8.71	-2.19	0.0	-6.15e-05	8.42e-05
3146	28	0.29	-0.91	-3.02	0.0	3.59e-06	-4.48e-05
3146	44	0.26	-1.39	-2.66	0.0	-5.76e-06	-3.60e-05
3146	52	0.29	-0.16	-2.97	0.0	3.06e-06	-4.39e-05
3146	80	0.21	-0.61	-2.11	0.0	-1.75e-06	-2.95e-05
3146	88	0.19	-0.94	-1.87	0.0	-7.99e-06	-2.37e-05
3146	92	0.21	-0.11	-2.07	0.0	-2.11e-06	-2.89e-05
3146	98	0.18	-0.09	-1.69	0.0	-8.73e-06	-2.07e-05
3146	105	0.17	-0.26	-1.62	0.0	-1.08e-05	-1.88e-05
3146	107	0.17	-0.09	-1.61	0.0	-1.09e-05	-1.86e-05
3146	112	8.98	0.15	-1.79	0.0	4.74e-04	-5.51e-04
3146	129	5.06	-7.87	-2.04	0.0	2.52e-04	-3.62e-04
3146	133	-0.29	-7.31	-2.15	0.0	-4.35e-05	2.62e-05
3146	144	10.10	0.18	-1.81	0.0	5.35e-04	-6.18e-04
3146	161	5.69	-8.84	-2.10	0.0	2.86e-04	-4.07e-04

3146	165	-0.35	-8.21	-2.22	0.0	-4.77e-05	3.24e-05
3146	176	10.13	0.17	-1.82	0.0	5.33e-04	-6.10e-04
3146	193	5.80	-8.76	-2.10	0.0	2.88e-04	-4.10e-04
3146	197	-0.37	-8.06	-2.21	0.0	-4.79e-05	3.46e-05
3146	208	11.90	0.20	-1.86	0.0	6.28e-04	-7.10e-04
3146	225	6.89	-10.22	-2.18	0.0	3.45e-04	-4.85e-04
3146	229	-0.48	-9.34	-2.31	0.0	-5.44e-05	4.70e-05
3147	28	0.31	-1.05	-3.24	0.0	1.28e-04	-3.73e-06
3147	44	0.27	-1.53	-2.86	0.0	1.19e-04	-3.16e-06
3147	52	0.31	-0.27	-3.18	0.0	1.28e-04	-4.11e-06
3147	80	0.22	-0.71	-2.26	0.0	9.41e-05	-2.65e-06
3147	88	0.19	-1.03	-2.00	0.0	8.82e-05	-2.27e-06
3147	92	0.22	-0.19	-2.22	0.0	9.42e-05	-2.90e-06
3147	98	0.18	-0.16	-1.82	0.0	8.77e-05	-2.28e-06
3147	105	0.17	-0.32	-1.73	0.0	8.57e-05	-2.12e-06
3147	107	0.17	-0.15	-1.72	0.0	8.57e-05	-2.21e-06
3147	112	9.21	0.11	-1.92	0.0	8.40e-04	-5.67e-04
3147	129	5.18	-8.32	-2.17	0.0	-1.25e-05	-3.58e-04
3147	133	-0.31	-7.74	-2.29	0.0	4.11e-05	4.26e-05
3147	144	10.35	0.14	-1.95	0.0	9.35e-04	-6.39e-04
3147	161	5.83	-9.34	-2.23	0.0	-2.43e-05	-4.04e-04
3147	165	-0.37	-8.68	-2.36	0.0	3.54e-05	4.88e-05
3147	176	10.39	0.13	-1.95	0.0	9.31e-04	-6.33e-04
3147	193	5.94	-9.26	-2.23	0.0	-1.87e-05	-4.09e-04
3147	197	-0.39	-8.52	-2.35	0.0	3.51e-05	5.18e-05
3147	208	12.20	0.16	-2.00	0.0	1.08e-03	-7.41e-04
3147	225	7.06	-10.78	-2.32	0.0	-3.04e-05	-4.88e-04
3147	229	-0.50	-9.87	-2.46	0.0	2.62e-05	6.47e-05
3148	4	0.05	0.49	-1.29	0.0	8.45e-05	7.44e-06
3148	28	0.05	-0.57	-1.26	0.0	8.34e-05	5.65e-06
3148	44	0.05	-0.92	-1.07	0.0	7.31e-05	4.68e-06
3148	68	0.04	0.32	-0.90	0.0	5.94e-05	5.12e-06
3148	80	0.04	-0.38	-0.88	0.0	5.87e-05	3.93e-06
3148	88	0.03	-0.62	-0.75	0.0	5.18e-05	3.28e-06
3148	98	0.03	-0.03	-0.73	0.0	4.89e-05	3.31e-06
3148	105	0.03	-0.14	-0.68	0.0	4.66e-05	3.08e-06
3148	107	0.03	-0.02	-0.69	0.0	4.67e-05	3.12e-06
3148	112	4.70	0.01	-0.82	0.0	9.47e-04	-4.42e-04
3148	124	-0.27	4.43	-0.85	0.0	-5.58e-05	2.34e-05
3148	129	2.63	-5.29	-0.58	0.0	6.96e-04	-2.62e-04
3148	144	5.29	0.02	-0.84	0.0	1.06e-03	-4.99e-04
3148	156	-0.30	4.99	-0.87	0.0	-6.82e-05	2.65e-05
3148	161	2.97	-5.96	-0.57	0.0	7.78e-04	-2.97e-04
3148	176	5.28	-1.69e-03	-0.84	0.0	1.05e-03	-4.99e-04
3148	188	-0.30	4.93	-0.87	0.0	-6.50e-05	2.87e-05
3148	193	2.99	-5.91	-0.57	0.0	7.69e-04	-3.03e-04
3148	208	6.19	-0.02	-0.86	0.0	1.21e-03	-5.88e-04
3148	220	-0.36	5.75	-0.90	0.0	-8.23e-05	3.55e-05
3148	225	3.55	-6.90	-0.56	0.0	8.94e-04	-3.64e-04
3149	4	0.01	0.48	-1.29	4.20e-04	1.24e-04	0.0
3149	28	0.01	-0.48	-1.26	4.12e-04	1.23e-04	0.0
3149	45	4.47e-03	-0.81	-0.39	1.28e-04	5.69e-05	0.0
3149	68	8.47e-03	0.32	-0.90	2.92e-04	8.93e-05	0.0
3149	80	9.33e-03	-0.32	-0.88	2.87e-04	8.85e-05	0.0
3149	85	4.80e-03	-0.54	-0.43	1.41e-04	5.95e-05	0.0
3149	98	7.67e-03	1.87e-03	-0.73	2.36e-04	7.68e-05	0.0
3149	103	6.97e-03	0.11	-0.69	2.24e-04	7.46e-05	0.0
3149	107	7.25e-03	1.84e-03	-0.69	2.23e-04	7.44e-05	0.0
3149	112	4.07	3.31e-03	-0.83	2.36e-04	1.10e-03	-4.65e-04
3149	124	-0.24	4.02	-0.86	2.40e-04	8.97e-04	1.55e-05
3149	130	-2.26	4.78	-0.80	2.35e-04	2.79e-04	2.68e-04
3149	144	4.59	6.08e-04	-0.84	2.38e-04	1.23e-03	-5.25e-04
3149	156	-0.27	4.52	-0.88	2.42e-04	1.00e-03	1.80e-05
3149	162	-2.56	5.38	-0.81	2.37e-04	3.04e-04	3.03e-04
3149	176	4.59	-0.02	-0.84	2.36e-04	1.21e-03	-5.28e-04
3149	188	-0.27	4.47	-0.88	2.41e-04	9.84e-04	2.09e-05
3149	194	-2.58	5.34	-0.81	2.37e-04	2.96e-04	3.12e-04
3149	208	5.39	-0.04	-0.87	2.38e-04	1.40e-03	-6.22e-04
3149	220	-0.32	5.21	-0.91	2.44e-04	1.13e-03	2.71e-05
3149	226	-3.07	6.23	-0.83	2.39e-04	3.24e-04	3.75e-04
3150	4	0.10	0.50	-1.29	0.0	9.11e-05	2.08e-06
3150	44	0.09	-1.03	-1.06	0.0	7.81e-05	-1.04e-06
3150	52	0.10	-0.08	-1.27	0.0	9.00e-05	0.0
3150	68	0.07	0.33	-0.89	0.0	6.40e-05	1.36e-06
3150	88	0.06	-0.69	-0.75	0.0	5.53e-05	0.0

3150	92	0.07	-0.06	-0.88	0.0	6.33e-05	0.0
3150	98	0.06	-0.05	-0.72	0.0	5.25e-05	0.0
3150	105	0.06	-0.17	-0.68	0.0	4.99e-05	0.0
3150	107	0.06	-0.05	-0.69	0.0	5.01e-05	0.0
3150	112	5.31	0.03	-0.82	0.0	9.26e-04	-4.57e-04
3150	124	-0.29	4.87	-0.85	0.0	7.55e-04	2.46e-05
3150	129	2.99	-5.83	-0.59	0.0	-1.23e-04	-2.78e-04
3150	144	5.98	0.04	-0.84	0.0	1.04e-03	-5.16e-04
3150	156	-0.34	5.48	-0.87	0.0	8.44e-04	2.82e-05
3150	161	3.36	-6.55	-0.58	0.0	-1.45e-04	-3.14e-04
3150	176	5.96	0.02	-0.84	0.0	1.02e-03	-5.14e-04
3150	188	-0.33	5.42	-0.86	0.0	8.30e-04	3.00e-05
3150	193	3.39	-6.50	-0.58	0.0	-1.38e-04	-3.19e-04
3150	208	6.98	0.01	-0.86	0.0	1.18e-03	-6.05e-04
3150	220	-0.40	6.32	-0.89	0.0	9.59e-04	3.76e-05
3150	225	4.00	-7.58	-0.56	0.0	-1.61e-04	-3.82e-04
3151	4	0.15	0.51	-1.29	0.0	8.82e-05	-9.05e-06
3151	44	0.13	-1.14	-1.07	0.0	7.58e-05	-1.10e-05
3151	68	0.11	0.33	-0.90	0.0	6.19e-05	-6.40e-06
3151	88	0.09	-0.77	-0.75	0.0	5.37e-05	-7.71e-06
3151	98	0.09	-0.07	-0.72	0.0	5.10e-05	-6.68e-06
3151	105	0.08	-0.21	-0.68	0.0	4.85e-05	-6.45e-06
3151	107	0.08	-0.07	-0.69	0.0	4.86e-05	-6.33e-06
3151	108	4.72	0.16	-0.84	0.0	1.11e-03	-3.91e-04
3151	112	5.91	0.05	-0.82	0.0	8.78e-04	-4.88e-04
3151	129	3.34	-6.36	-0.59	0.0	-1.20e-04	-3.01e-04
3151	140	5.30	0.19	-0.86	0.0	1.24e-03	-4.40e-04
3151	144	6.65	0.06	-0.84	0.0	9.82e-04	-5.49e-04
3151	161	3.76	-7.15	-0.58	0.0	-1.41e-04	-3.39e-04
3151	172	5.28	0.19	-0.86	0.0	1.23e-03	-4.37e-04
3151	176	6.62	0.04	-0.84	0.0	9.68e-04	-5.47e-04
3151	193	3.77	-7.09	-0.58	0.0	-1.34e-04	-3.44e-04
3151	204	6.18	0.22	-0.89	0.0	1.42e-03	-5.10e-04
3151	208	7.75	0.04	-0.86	0.0	1.12e-03	-6.41e-04
3151	225	4.45	-8.27	-0.57	0.0	-1.58e-04	-4.10e-04
3152	4	0.20	0.52	-1.29	0.0	7.12e-05	-2.48e-05
3152	44	0.17	-1.24	-1.07	0.0	6.27e-05	-2.44e-05
3152	68	0.14	0.34	-0.90	0.0	5.02e-05	-1.73e-05
3152	88	0.12	-0.84	-0.75	0.0	4.45e-05	-1.71e-05
3152	98	0.11	-0.09	-0.73	0.0	4.18e-05	-1.55e-05
3152	105	0.11	-0.23	-0.68	0.0	3.99e-05	-1.48e-05
3152	107	0.11	-0.09	-0.69	0.0	3.99e-05	-1.47e-05
3152	108	5.15	0.20	-0.85	0.0	1.01e-03	-4.40e-04
3152	112	6.47	0.07	-0.83	0.0	7.99e-04	-5.45e-04
3152	129	3.67	-6.89	-0.60	0.0	-1.18e-04	-3.36e-04
3152	140	5.79	0.23	-0.87	0.0	1.14e-03	-4.94e-04
3152	144	7.27	0.08	-0.84	0.0	8.95e-04	-6.12e-04
3152	161	4.12	-7.75	-0.59	0.0	-1.37e-04	-3.78e-04
3152	172	5.76	0.23	-0.86	0.0	1.12e-03	-4.91e-04
3152	176	7.23	0.07	-0.84	0.0	8.81e-04	-6.11e-04
3152	193	4.13	-7.68	-0.59	0.0	-1.31e-04	-3.84e-04
3152	204	6.74	0.27	-0.89	0.0	1.30e-03	-5.73e-04
3152	208	8.46	0.08	-0.87	0.0	1.02e-03	-7.15e-04
3152	225	4.87	-8.95	-0.57	0.0	-1.52e-04	-4.57e-04
3153	4	0.06	0.49	-1.55	0.0	8.37e-05	3.96e-06
3153	44	0.05	-0.92	-1.29	0.0	7.17e-05	1.99e-06
3153	52	0.06	-0.04	-1.53	0.0	8.23e-05	2.78e-06
3153	68	0.04	0.33	-1.08	0.0	5.88e-05	2.71e-06
3153	88	0.03	-0.62	-0.90	0.0	5.08e-05	1.40e-06
3153	92	0.04	-0.03	-1.07	0.0	5.79e-05	1.92e-06
3153	98	0.03	-0.02	-0.87	0.0	4.82e-05	1.54e-06
3153	105	0.03	-0.14	-0.82	0.0	4.59e-05	1.40e-06
3153	107	0.03	-0.02	-0.82	0.0	4.60e-05	1.46e-06
3153	112	4.51	0.02	-0.94	0.0	9.68e-04	-4.65e-04
3153	124	-0.27	4.43	-0.97	0.0	-6.22e-05	2.12e-05
3153	129	2.54	-5.29	-0.73	0.0	7.13e-04	-2.74e-04
3153	144	5.08	0.02	-0.96	0.0	1.09e-03	-5.24e-04
3153	156	-0.31	4.99	-0.99	0.0	-7.52e-05	2.43e-05
3153	161	2.86	-5.96	-0.72	0.0	7.97e-04	-3.10e-04
3153	176	5.06	3.85e-05	-0.96	0.0	1.07e-03	-5.25e-04
3153	188	-0.31	4.94	-0.99	0.0	-7.16e-05	2.70e-05
3153	193	2.87	-5.91	-0.72	0.0	7.85e-04	-3.18e-04
3153	208	5.93	-0.01	-0.98	0.0	1.24e-03	-6.19e-04
3153	220	-0.37	5.75	-1.02	0.0	-8.97e-05	3.41e-05
3153	225	3.40	-6.90	-0.70	0.0	9.12e-04	-3.82e-04

3154	4	0.01	0.48	-1.59	2.06e-04	1.14e-04	1.21e-06
3154	28	0.01	-0.48	-1.56	2.04e-04	1.13e-04	0.0
3154	45	4.59e-03	-0.81	-0.48	6.41e-05	5.05e-05	0.0
3154	68	8.93e-03	0.32	-1.10	1.44e-04	8.15e-05	0.0
3154	75	7.25e-03	0.54	-0.96	1.25e-04	7.49e-05	1.09e-06
3154	80	9.57e-03	-0.32	-1.08	1.42e-04	8.08e-05	0.0
3154	98	7.86e-03	2.06e-03	-0.90	1.16e-04	6.97e-05	0.0
3154	103	7.23e-03	0.11	-0.85	1.10e-04	6.76e-05	0.0
3154	107	7.43e-03	2.04e-03	-0.85	1.10e-04	6.73e-05	0.0
3154	112	3.87	3.55e-03	-0.97	9.24e-05	1.08e-03	-4.65e-04
3154	124	-0.24	4.02	-1.00	1.13e-04	8.89e-04	1.56e-05
3154	130	-2.15	4.78	-0.94	1.24e-04	2.77e-04	2.68e-04
3154	144	4.36	8.49e-04	-0.98	9.02e-05	1.21e-03	-5.24e-04
3154	156	-0.28	4.53	-1.01	1.13e-04	9.92e-04	1.82e-05
3154	162	-2.43	5.38	-0.95	1.26e-04	3.03e-04	3.04e-04
3154	176	4.35	-0.02	-0.98	9.04e-05	1.19e-03	-5.28e-04
3154	188	-0.28	4.47	-1.01	1.13e-04	9.75e-04	2.10e-05
3154	194	-2.45	5.34	-0.95	1.25e-04	2.96e-04	3.12e-04
3154	208	5.10	-0.04	-1.00	8.70e-05	1.38e-03	-6.22e-04
3154	220	-0.32	5.21	-1.04	1.13e-04	1.12e-03	2.72e-04
3154	226	-2.91	6.24	-0.97	1.28e-04	3.25e-04	3.75e-05
3155	4	0.10	0.50	-1.53	0.0	8.39e-05	0.0
3155	44	0.09	-1.03	-1.28	0.0	7.18e-05	-2.02e-06
3155	68	0.07	0.33	-1.06	0.0	5.89e-05	0.0
3155	88	0.06	-0.69	-0.89	0.0	5.09e-05	-1.42e-06
3155	98	0.06	-0.05	-0.86	0.0	4.83e-05	-1.06e-06
3155	105	0.06	-0.17	-0.81	0.0	4.60e-05	-1.08e-06
3155	107	0.06	-0.05	-0.81	0.0	4.61e-05	-1.02e-06
3155	112	5.14	0.03	-0.93	0.0	9.30e-04	-4.77e-04
3155	124	-0.30	4.87	-0.96	0.0	7.62e-04	2.37e-05
3155	129	2.90	-5.83	-0.72	0.0	-1.35e-04	-2.89e-04
3155	144	5.79	0.04	-0.95	0.0	1.04e-03	-5.37e-04
3155	156	-0.35	5.48	-0.98	0.0	8.52e-04	2.74e-05
3155	161	3.26	-6.55	-0.71	0.0	-1.57e-04	-3.26e-04
3155	176	5.76	0.02	-0.94	0.0	1.02e-03	-5.37e-04
3155	188	-0.35	5.42	-0.98	0.0	8.36e-04	2.99e-05
3155	193	3.27	-6.50	-0.71	0.0	-1.50e-04	-3.33e-04
3155	208	6.74	0.01	-0.97	0.0	1.19e-03	-6.31e-04
3155	220	-0.41	6.32	-1.00	0.0	9.66e-04	3.80e-05
3155	225	3.86	-7.58	-0.69	0.0	-1.75e-04	-3.99e-04
3156	4	0.15	0.51	-1.52	0.0	8.04e-05	-8.85e-06
3156	44	0.13	-1.14	-1.27	0.0	6.93e-05	-9.13e-06
3156	68	0.10	0.34	-1.06	0.0	5.65e-05	-6.22e-06
3156	88	0.09	-0.76	-0.89	0.0	4.91e-05	-6.41e-06
3156	98	0.08	-0.07	-0.86	0.0	4.66e-05	-5.87e-06
3156	105	0.08	-0.20	-0.81	0.0	4.43e-05	-5.60e-06
3156	107	0.08	-0.07	-0.81	0.0	4.44e-05	-5.57e-06
3156	112	5.74	0.05	-0.93	0.0	8.70e-04	-5.03e-04
3156	124	-0.34	5.30	-0.96	0.0	7.19e-04	2.27e-05
3156	129	3.25	-6.36	-0.72	0.0	-1.31e-04	-3.09e-04
3156	144	6.46	0.06	-0.94	0.0	9.75e-04	-5.66e-04
3156	156	-0.39	5.97	-0.98	0.0	8.04e-04	2.69e-05
3156	161	3.65	-7.15	-0.71	0.0	-1.52e-04	-3.49e-04
3156	176	6.41	0.04	-0.94	0.0	9.59e-04	-5.64e-04
3156	188	-0.38	5.91	-0.97	0.0	7.89e-04	2.93e-05
3156	193	3.66	-7.09	-0.71	0.0	-1.46e-04	-3.55e-04
3156	208	7.50	0.04	-0.96	0.0	1.11e-03	-6.62e-04
3156	220	-0.46	6.89	-1.00	0.0	9.11e-04	3.82e-05
3156	225	4.31	-8.27	-0.69	0.0	-1.70e-04	-4.24e-04
3157	4	0.19	0.52	-1.52	0.0	7.38e-05	-1.48e-05
3157	44	0.16	-1.24	-1.27	0.0	6.47e-05	-1.41e-05
3157	68	0.13	0.34	-1.06	0.0	5.19e-05	-1.04e-05
3157	88	0.11	-0.84	-0.89	0.0	4.59e-05	-9.94e-06
3157	98	0.11	-0.09	-0.86	0.0	4.32e-05	-9.25e-06
3157	105	0.10	-0.23	-0.81	0.0	4.12e-05	-8.78e-06
3157	107	0.10	-0.09	-0.81	0.0	4.12e-05	-8.79e-06
3157	112	6.29	0.07	-0.93	0.0	7.98e-04	-5.30e-04
3157	124	-0.37	5.73	-0.96	0.0	6.65e-04	2.25e-05
3157	129	3.57	-6.89	-0.72	0.0	-1.25e-04	-3.29e-04
3157	144	7.07	0.08	-0.94	0.0	8.94e-04	-5.96e-04
3157	156	-0.43	6.46	-0.98	0.0	7.43e-04	2.71e-05
3157	161	4.01	-7.75	-0.71	0.0	-1.45e-04	-3.70e-04
3157	176	7.02	0.07	-0.94	0.0	8.79e-04	-5.93e-04
3157	188	-0.42	6.39	-0.97	0.0	7.30e-04	2.96e-05
3157	193	4.01	-7.68	-0.71	0.0	-1.39e-04	-3.76e-04

3157	208	8.21	0.08	-0.96	0.0	1.02e-03	-6.95e-04
3157	220	-0.50	7.46	-1.00	0.0	8.42e-04	3.92e-05
3157	225	4.72	-8.95	-0.69	0.0	-1.63e-04	-4.48e-04
3158	4	0.06	0.49	-1.59	0.0	8.18e-05	0.0
3158	44	0.05	-0.92	-1.33	0.0	6.99e-05	0.0
3158	68	0.04	0.33	-1.10	0.0	5.75e-05	0.0
3158	88	0.03	-0.61	-0.93	0.0	4.95e-05	0.0
3158	98	0.03	-0.02	-0.90	0.0	4.70e-05	0.0
3158	105	0.03	-0.14	-0.84	0.0	4.48e-05	0.0
3158	107	0.03	-0.02	-0.85	0.0	4.49e-05	0.0
3158	112	4.32	0.02	-0.94	0.0	9.83e-04	-4.72e-04
3158	124	-0.29	4.44	-0.98	0.0	8.06e-04	1.94e-05
3158	129	2.44	-5.29	-0.75	0.0	-1.51e-04	-2.78e-04
3158	144	4.87	0.02	-0.95	0.0	1.10e-03	-5.32e-04
3158	156	-0.32	5.00	-1.00	0.0	9.02e-04	2.25e-05
3158	161	2.75	-5.96	-0.74	0.0	-1.75e-04	-3.15e-04
3158	176	4.84	1.70e-03	-0.95	0.0	1.08e-03	-5.34e-04
3158	188	-0.32	4.94	-0.99	0.0	8.84e-04	2.54e-05
3158	193	2.75	-5.91	-0.74	0.0	-1.68e-04	-3.23e-04
3158	208	5.66	-0.01	-0.97	0.0	1.25e-03	-6.29e-04
3158	220	-0.38	5.76	-1.02	0.0	1.02e-03	3.26e-05
3158	225	3.25	-6.90	-0.73	0.0	-1.96e-04	-3.88e-04
3159	4	0.01	0.49	-1.63	-5.71e-05	1.04e-04	1.08e-06
3159	16	6.57e-03	0.81	-0.86	-2.82e-05	7.02e-05	1.41e-06
3159	28	0.01	-0.48	-1.60	-5.51e-05	1.02e-04	0.0
3159	68	9.34e-03	0.32	-1.13	-3.95e-05	7.38e-05	0.0
3159	73	4.81e-03	0.54	-0.62	-2.03e-05	5.16e-05	0.0
3159	80	9.74e-03	-0.32	-1.11	-3.82e-05	7.30e-05	0.0
3159	98	8.00e-03	2.13e-03	-0.92	-3.19e-05	6.26e-05	0.0
3159	102	4.87e-03	0.11	-0.56	-1.84e-05	4.69e-05	0.0
3159	106	5.00e-03	2.16e-03	-0.56	-1.81e-05	4.67e-05	0.0
3159	107	7.57e-03	2.13e-03	-0.87	-3.00e-05	6.03e-05	0.0
3159	112	3.66	3.70e-03	-0.96	-5.96e-05	1.07e-03	-4.66e-04
3159	124	-0.25	4.02	-1.00	-2.13e-05	8.82e-04	1.55e-05
3159	130	-2.05	4.78	-0.96	-3.57e-06	2.76e-04	2.69e-04
3159	144	4.13	1.01e-03	-0.97	-6.33e-05	1.20e-03	-5.25e-04
3159	156	-0.28	4.53	-1.02	-2.03e-05	9.85e-04	1.81e-05
3159	162	-2.31	5.38	-0.97	0.0	3.03e-04	3.04e-04
3159	176	4.11	-0.02	-0.97	-6.30e-05	1.18e-03	-5.28e-04
3159	188	-0.28	4.47	-1.01	-2.08e-05	9.66e-04	2.09e-05
3159	194	-2.32	5.34	-0.97	0.0	2.95e-04	3.13e-04
3159	208	4.82	-0.04	-0.99	-6.86e-05	1.36e-03	-6.23e-04
3159	220	-0.33	5.21	-1.04	-1.93e-05	1.11e-03	2.71e-05
3159	226	-2.75	6.24	-0.99	4.20e-06	3.26e-04	3.76e-04
3160	4	0.10	0.50	-1.57	0.0	7.99e-05	-2.22e-06
3160	44	0.09	-1.03	-1.32	0.0	6.85e-05	-2.65e-06
3160	68	0.07	0.33	-1.09	0.0	5.61e-05	-1.58e-06
3160	88	0.06	-0.69	-0.92	0.0	4.86e-05	-1.87e-06
3160	98	0.06	-0.05	-0.89	0.0	4.61e-05	-1.73e-06
3160	105	0.05	-0.17	-0.84	0.0	4.39e-05	-1.65e-06
3160	107	0.05	-0.04	-0.84	0.0	4.40e-05	-1.64e-06
3160	112	4.96	0.03	-0.93	0.0	9.40e-04	-4.86e-04
3160	124	-0.32	4.87	-0.97	0.0	7.75e-04	2.29e-05
3160	129	2.81	-5.83	-0.75	0.0	-1.47e-04	-2.93e-04
3160	144	5.59	0.04	-0.95	0.0	1.05e-03	-5.47e-04
3160	156	-0.37	5.48	-0.99	0.0	8.67e-04	2.66e-05
3160	161	3.16	-6.56	-0.73	0.0	-1.70e-04	-3.32e-04
3160	176	5.54	0.02	-0.94	0.0	1.03e-03	-5.47e-04
3160	188	-0.36	5.42	-0.98	0.0	8.50e-04	2.94e-05
3160	193	3.16	-6.50	-0.74	0.0	-1.64e-04	-3.39e-04
3160	208	6.48	0.02	-0.96	0.0	1.20e-03	-6.43e-04
3160	220	-0.43	6.32	-1.01	0.0	9.81e-04	3.78e-05
3160	225	3.72	-7.58	-0.72	0.0	-1.91e-04	-4.06e-04
3161	4	0.14	0.51	-1.57	0.0	7.72e-05	-6.54e-06
3161	44	0.12	-1.14	-1.31	0.0	6.68e-05	-6.12e-06
3161	68	0.10	0.34	-1.09	0.0	5.43e-05	-4.60e-06
3161	88	0.09	-0.76	-0.92	0.0	4.73e-05	-4.32e-06
3161	98	0.08	-0.07	-0.89	0.0	4.48e-05	-4.15e-06
3161	105	0.08	-0.20	-0.83	0.0	4.27e-05	-3.91e-06
3161	107	0.08	-0.07	-0.84	0.0	4.27e-05	-3.95e-06
3161	113	5.57	-3.21	-0.90	0.0	1.12e-03	-4.05e-04
3161	124	-0.36	5.30	-0.97	0.0	7.29e-04	2.52e-05
3161	129	3.16	-6.36	-0.74	0.0	-1.40e-04	-3.10e-04
3161	145	6.26	-3.61	-0.90	0.0	1.26e-03	-4.56e-04
3161	156	-0.41	5.97	-0.99	0.0	8.15e-04	2.95e-05

3161	161	3.55	-7.15	-0.73	0.0	-1.63e-04	-3.50e-04
3161	177	6.21	-3.56	-0.90	0.0	1.23e-03	-4.53e-04
3161	188	-0.40	5.91	-0.98	0.0	7.99e-04	3.22e-05
3161	193	3.54	-7.09	-0.73	0.0	-1.57e-04	-3.56e-04
3161	209	7.26	-4.13	-0.91	0.0	1.43e-03	-5.29e-04
3161	220	-0.48	6.89	-1.01	0.0	9.23e-04	4.15e-05
3161	225	4.17	-8.27	-0.72	0.0	-1.83e-04	-4.26e-04
3162	4	0.18	0.52	-1.57	0.0	7.44e-05	-8.76e-06
3162	44	0.16	-1.24	-1.32	0.0	6.52e-05	-7.91e-06
3162	68	0.13	0.34	-1.09	0.0	5.23e-05	-6.16e-06
3162	88	0.11	-0.83	-0.92	0.0	4.62e-05	-5.60e-06
3162	98	0.10	-0.09	-0.89	0.0	4.35e-05	-5.42e-06
3162	105	0.10	-0.23	-0.84	0.0	4.15e-05	-5.11e-06
3162	107	0.10	-0.09	-0.84	0.0	4.15e-05	-5.16e-06
3162	113	6.12	-3.46	-0.90	0.0	1.03e-03	-4.18e-04
3162	124	-0.39	5.73	-0.97	0.0	6.78e-04	2.81e-05
3162	129	3.49	-6.89	-0.75	0.0	-1.32e-04	-3.25e-04
3162	145	6.88	-3.88	-0.90	0.0	1.15e-03	-4.70e-04
3162	156	-0.45	6.46	-0.99	0.0	7.57e-04	3.29e-05
3162	161	3.92	-7.75	-0.74	0.0	-1.54e-04	-3.66e-04
3162	177	6.82	-3.82	-0.90	0.0	1.13e-03	-4.66e-04
3162	188	-0.44	6.39	-0.98	0.0	7.43e-04	3.56e-05
3162	193	3.91	-7.68	-0.74	0.0	-1.48e-04	-3.72e-04
3162	209	7.96	-4.43	-0.91	0.0	1.31e-03	-5.44e-04
3162	220	-0.53	7.46	-1.01	0.0	8.57e-04	4.57e-05
3162	225	4.59	-8.95	-0.72	0.0	-1.73e-04	-4.44e-04
3163	4	0.06	0.49	-1.40	0.0	7.99e-05	0.0
3163	44	0.05	-0.92	-1.17	0.0	6.84e-05	0.0
3163	68	0.04	0.33	-0.97	0.0	5.61e-05	0.0
3163	88	0.03	-0.61	-0.82	0.0	4.85e-05	0.0
3163	98	0.03	-0.02	-0.79	0.0	4.60e-05	0.0
3163	105	0.03	-0.14	-0.74	0.0	4.38e-05	0.0
3163	107	0.03	-0.02	-0.75	0.0	4.39e-05	0.0
3163	113	4.14	-2.73	-0.77	0.0	1.28e-03	-3.75e-04
3163	124	-0.30	4.44	-0.86	0.0	8.28e-04	1.91e-05
3163	129	2.34	-5.30	-0.65	0.0	-1.65e-04	-2.74e-04
3163	145	4.66	-3.06	-0.78	0.0	1.44e-03	-4.22e-04
3163	156	-0.34	5.00	-0.88	0.0	9.26e-04	2.21e-05
3163	161	2.64	-5.96	-0.64	0.0	-1.90e-04	-3.10e-04
3163	177	4.62	-3.02	-0.77	0.0	1.41e-03	-4.22e-04
3163	188	-0.33	4.94	-0.88	0.0	9.06e-04	2.50e-05
3163	193	2.63	-5.91	-0.64	0.0	-1.84e-04	-3.18e-04
3163	209	5.40	-3.52	-0.78	0.0	1.64e-03	-4.95e-04
3163	220	-0.39	5.76	-0.90	0.0	1.05e-03	3.22e-05
3163	225	3.10	-6.90	-0.62	0.0	-2.14e-04	-3.81e-04
3164	4	0.01	0.49	-1.39	-2.63e-04	9.32e-05	0.0
3164	16	7.25e-03	0.81	-0.74	-1.36e-04	6.11e-05	1.31e-06
3164	28	0.01	-0.48	-1.36	-2.56e-04	9.18e-05	0.0
3164	68	9.69e-03	0.32	-0.96	-1.82e-04	6.61e-05	0.0
3164	73	5.27e-03	0.54	-0.53	-9.77e-05	4.47e-05	0.0
3164	80	9.86e-03	-0.32	-0.94	-1.78e-04	6.52e-05	0.0
3164	98	8.09e-03	2.17e-03	-0.78	-1.47e-04	5.54e-05	0.0
3164	102	5.02e-03	0.11	-0.48	-8.77e-05	4.04e-05	0.0
3164	106	5.08e-03	2.33e-03	-0.48	-8.70e-05	4.01e-05	0.0
3164	107	7.66e-03	2.19e-03	-0.74	-1.38e-04	5.32e-05	0.0
3164	112	3.46	3.79e-03	-0.81	-1.80e-04	1.06e-03	-4.64e-04
3164	124	-0.26	4.02	-0.86	-1.79e-04	8.76e-04	1.55e-05
3164	130	-1.94	4.78	-0.83	-1.59e-04	2.75e-04	2.67e-04
3164	144	3.90	1.10e-03	-0.81	-1.85e-04	1.18e-03	-5.23e-04
3164	156	-0.29	4.53	-0.87	-1.84e-04	9.79e-04	1.80e-05
3164	162	-2.19	5.38	-0.84	-1.62e-04	3.02e-04	3.03e-04
3164	176	3.88	-0.02	-0.81	-1.84e-04	1.16e-03	-5.26e-04
3164	188	-0.29	4.48	-0.87	-1.83e-04	9.58e-04	2.09e-05
3164	194	-2.19	5.34	-0.84	-1.61e-04	2.95e-04	3.11e-04
3164	208	4.54	-0.04	-0.82	-1.91e-04	1.34e-03	-6.21e-04
3164	220	-0.34	5.21	-0.89	-1.90e-04	1.10e-03	2.70e-05
3164	226	-2.60	6.24	-0.86	-1.64e-04	3.28e-04	3.74e-04
3165	4	0.10	0.50	-1.41	0.0	7.78e-05	-2.61e-06
3165	44	0.08	-1.03	-1.18	0.0	6.69e-05	-2.29e-06
3165	68	0.07	0.33	-0.98	0.0	5.47e-05	-1.84e-06
3165	88	0.06	-0.69	-0.83	0.0	4.74e-05	-1.63e-06
3165	98	0.06	-0.05	-0.79	0.0	4.49e-05	-1.70e-06
3165	105	0.05	-0.17	-0.75	0.0	4.28e-05	-1.57e-06
3165	107	0.05	-0.04	-0.75	0.0	4.29e-05	-1.62e-06
3165	113	4.79	-2.97	-0.78	0.0	1.22e-03	-3.88e-04

3165	124	-0.34	4.87	-0.87	0.0	7.93e-04	2.31e-05
3165	129	2.72	-5.83	-0.66	0.0	-1.59e-04	-2.91e-04
3165	145	5.39	-3.34	-0.78	0.0	1.37e-03	-4.37e-04
3165	156	-0.39	5.48	-0.88	0.0	8.87e-04	2.69e-05
3165	161	3.06	-6.56	-0.65	0.0	-1.84e-04	-3.29e-04
3165	177	5.34	-3.29	-0.78	0.0	1.34e-03	-4.35e-04
3165	188	-0.38	5.42	-0.88	0.0	8.68e-04	2.97e-05
3165	193	3.05	-6.50	-0.65	0.0	-1.78e-04	-3.36e-04
3165	209	6.24	-3.83	-0.78	0.0	1.56e-03	-5.09e-04
3165	220	-0.45	6.32	-0.90	0.0	1.00e-03	3.81e-05
3165	225	3.59	-7.59	-0.63	0.0	-2.07e-04	-4.02e-04
3166	4	0.14	0.51	-1.42	0.0	7.57e-05	-4.68e-06
3166	44	0.12	-1.14	-1.19	0.0	6.57e-05	-3.88e-06
3166	68	0.10	0.34	-0.99	0.0	5.32e-05	-3.29e-06
3166	88	0.08	-0.76	-0.83	0.0	4.65e-05	-2.76e-06
3166	98	0.08	-0.07	-0.80	0.0	4.39e-05	-2.85e-06
3166	105	0.08	-0.20	-0.75	0.0	4.19e-05	-2.65e-06
3166	107	0.08	-0.07	-0.76	0.0	4.19e-05	-2.72e-06
3166	113	5.41	-3.21	-0.78	0.0	1.14e-03	-4.01e-04
3166	124	3.39	5.30	-0.87	0.0	7.44e-04	2.70e-05
3166	129	-0.68	-6.36	-0.66	0.0	-1.50e-04	-3.07e-04
3166	145	6.08	-3.61	-0.79	0.0	1.28e-03	-4.51e-04
3166	156	3.80	5.97	-0.89	0.0	8.32e-04	3.14e-05
3166	161	-0.78	-7.15	-0.65	0.0	-1.74e-04	-3.47e-04
3166	177	6.01	-3.56	-0.79	0.0	1.25e-03	-4.48e-04
3166	188	3.76	5.91	-0.88	0.0	8.15e-04	3.42e-05
3166	193	-0.74	-7.09	-0.65	0.0	-1.68e-04	-3.53e-04
3166	209	7.02	-4.13	-0.79	0.0	1.45e-03	-5.24e-04
3166	220	4.37	6.89	-0.90	0.0	9.40e-04	4.36e-05
3166	225	-0.84	-8.27	-0.64	0.0	-1.96e-04	-4.22e-04
3167	4	0.18	0.52	-1.43	0.0	7.39e-05	-5.86e-06
3167	44	0.15	-1.24	-1.20	0.0	6.48e-05	-4.81e-06
3167	68	0.12	0.34	-1.00	0.0	5.20e-05	-4.13e-06
3167	88	0.11	-0.83	-0.84	0.0	4.59e-05	-3.43e-06
3167	98	0.10	-0.09	-0.81	0.0	4.32e-05	-3.55e-06
3167	105	0.10	-0.23	-0.76	0.0	4.12e-05	-3.30e-06
3167	107	0.10	-0.09	-0.76	0.0	4.12e-05	-3.39e-06
3167	113	5.97	-3.46	-0.79	0.0	1.05e-03	-4.12e-04
3167	124	3.76	5.73	-0.88	0.0	6.93e-04	3.11e-05
3167	129	-0.76	-6.89	-0.67	0.0	-1.41e-04	-3.21e-04
3167	145	6.71	-3.88	-0.80	0.0	1.17e-03	-4.63e-04
3167	156	4.22	6.46	-0.89	0.0	7.74e-04	3.60e-05
3167	161	-0.86	-7.75	-0.66	0.0	-1.63e-04	-3.62e-04
3167	177	6.64	-3.82	-0.80	0.0	1.15e-03	-4.58e-04
3167	188	4.16	6.39	-0.89	0.0	7.58e-04	3.87e-05
3167	193	-0.82	-7.68	-0.66	0.0	-1.58e-04	-3.67e-04
3167	209	7.74	-4.43	-0.80	0.0	1.33e-03	-5.35e-04
3167	220	4.84	7.46	-0.91	0.0	8.74e-04	4.91e-05
3167	225	-0.94	-8.95	-0.65	0.0	-1.84e-04	-4.38e-04
3168	4	0.06	0.50	-0.94	0.0	7.85e-05	0.0
3168	44	0.05	-0.92	-0.78	0.0	6.76e-05	0.0
3168	68	0.04	0.33	-0.65	0.0	5.52e-05	0.0
3168	88	0.03	-0.61	-0.54	0.0	4.79e-05	0.0
3168	98	0.03	-0.02	-0.53	0.0	4.54e-05	0.0
3168	105	0.03	-0.14	-0.50	0.0	4.32e-05	0.0
3168	107	0.03	-0.02	-0.50	0.0	4.33e-05	0.0
3168	113	3.97	-2.73	-0.50	0.0	1.31e-03	-3.53e-04
3168	124	2.48	4.44	-0.61	0.0	8.53e-04	2.04e-05
3168	129	-0.54	-5.30	-0.40	0.0	-1.79e-04	-2.61e-04
3168	145	4.47	-3.07	-0.50	0.0	1.47e-03	-3.97e-04
3168	156	2.79	5.00	-0.62	0.0	9.54e-04	2.36e-05
3168	161	-0.61	-5.96	-0.39	0.0	-2.07e-04	-2.95e-04
3168	177	4.42	-3.02	-0.49	0.0	1.44e-03	-3.96e-04
3168	188	2.76	4.94	-0.62	0.0	9.32e-04	2.62e-05
3168	193	-0.58	-5.91	-0.39	0.0	-2.00e-04	-3.02e-04
3168	209	5.16	-3.52	-0.49	0.0	1.67e-03	-4.64e-04
3168	220	3.22	5.76	-0.64	0.0	1.07e-03	3.34e-05
3168	225	-0.65	-6.90	-0.38	0.0	-2.34e-04	-3.62e-04
3169	4	0.10	0.50	-1.03	0.0	7.65e-05	-2.36e-06
3169	44	0.08	-1.03	-0.86	0.0	6.60e-05	-1.66e-06
3169	68	0.07	0.33	-0.72	0.0	5.38e-05	-1.66e-06
3169	88	0.06	-0.69	-0.60	0.0	4.68e-05	-1.18e-06
3169	98	0.06	-0.05	-0.58	0.0	4.42e-05	-1.44e-06
3169	105	0.05	-0.17	-0.55	0.0	4.22e-05	-1.29e-06
3169	107	0.05	-0.04	-0.55	0.0	4.22e-05	-1.37e-06

3169	113	4.64	-2.97	-0.55	0.0	1.24e-03	-3.80e-04
3169	124	2.92	4.87	-0.65	0.0	8.10e-04	2.36e-05
3169	129	-0.63	-5.83	-0.46	0.0	-1.71e-04	-2.85e-04
3169	145	5.21	-3.34	-0.55	0.0	1.39e-03	-4.28e-04
3169	156	3.28	5.49	-0.66	0.0	9.05e-04	2.73e-05
3169	161	-0.71	-6.56	-0.45	0.0	-1.97e-04	-3.22e-04
3169	177	5.15	-3.29	-0.55	0.0	1.36e-03	-4.25e-04
3169	188	3.23	5.42	-0.66	0.0	8.85e-04	3.01e-05
3169	193	-0.68	-6.50	-0.45	0.0	-1.91e-04	-3.29e-04
3169	209	6.01	-3.83	-0.55	0.0	1.58e-03	-4.98e-04
3169	220	3.76	6.32	-0.68	0.0	1.02e-03	3.85e-05
3169	225	-0.77	-7.59	-0.43	0.0	-2.23e-04	-3.94e-04
3170	4	0.14	0.51	-1.10	0.0	7.47e-05	-3.60e-06
3170	44	0.12	-1.14	-0.92	0.0	6.49e-05	-2.58e-06
3170	68	0.10	0.34	-0.77	0.0	5.25e-05	-2.53e-06
3170	88	0.08	-0.76	-0.65	0.0	4.60e-05	-1.85e-06
3170	98	0.08	-0.07	-0.62	0.0	4.34e-05	-2.13e-06
3170	105	0.07	-0.20	-0.59	0.0	4.14e-05	-1.93e-06
3170	107	0.07	-0.07	-0.59	0.0	4.14e-05	-2.03e-06
3170	113	5.26	-3.21	-0.59	0.0	1.16e-03	-3.94e-04
3170	124	3.33	5.30	-0.68	0.0	7.59e-04	2.80e-05
3170	129	-0.72	-6.36	-0.50	0.0	-1.60e-04	-3.02e-04
3170	145	5.91	-3.61	-0.59	0.0	1.30e-03	-4.44e-04
3170	156	3.73	5.97	-0.70	0.0	8.49e-04	3.23e-05
3170	161	-0.81	-7.15	-0.49	0.0	-1.85e-04	-3.41e-04
3170	177	5.83	-3.56	-0.59	0.0	1.27e-03	-4.40e-04
3170	188	3.68	5.91	-0.69	0.0	8.29e-04	3.50e-05
3170	193	-0.78	-7.09	-0.49	0.0	-1.80e-04	-3.47e-04
3170	209	6.80	-4.13	-0.59	0.0	1.46e-03	-5.15e-04
3170	220	4.28	6.89	-0.71	0.0	9.56e-04	4.45e-05
3170	225	-0.88	-8.27	-0.48	0.0	-2.10e-04	-4.15e-04
3171	4	0.18	0.52	-1.16	0.0	7.32e-05	-4.49e-06
3171	44	0.15	-1.24	-0.97	0.0	6.42e-05	-3.31e-06
3171	68	0.12	0.34	-0.81	0.0	5.14e-05	-3.16e-06
3171	88	0.11	-0.84	-0.68	0.0	4.54e-05	-2.37e-06
3171	98	0.10	-0.09	-0.65	0.0	4.27e-05	-2.67e-06
3171	105	0.10	-0.23	-0.62	0.0	4.07e-05	-2.44e-06
3171	107	0.10	-0.09	-0.62	0.0	4.07e-05	-2.55e-06
3171	113	5.83	-3.46	-0.62	0.0	1.07e-03	-4.06e-04
3171	124	3.71	5.73	-0.71	0.0	7.08e-04	3.22e-05
3171	129	-0.80	-6.89	-0.54	0.0	-1.49e-04	-3.16e-04
3171	145	6.56	-3.88	-0.62	0.0	1.20e-03	-4.57e-04
3171	156	4.16	6.46	-0.72	0.0	7.91e-04	3.72e-05
3171	161	-0.91	-7.75	-0.53	0.0	-1.73e-04	-3.57e-04
3171	177	6.47	-3.82	-0.62	0.0	1.17e-03	-4.52e-04
3171	188	4.10	6.39	-0.72	0.0	7.73e-04	3.98e-05
3171	193	-0.87	-7.68	-0.53	0.0	-1.67e-04	-3.62e-04
3171	209	7.53	-4.43	-0.62	0.0	1.35e-03	-5.28e-04
3171	220	4.76	7.46	-0.74	0.0	8.91e-04	5.02e-05
3171	225	-0.99	-8.95	-0.51	0.0	-1.96e-04	-4.32e-04
3172	4	0.22	0.53	-1.30	0.0	5.69e-05	-3.90e-06
3172	44	0.19	-1.34	-1.08	0.0	5.15e-05	-7.46e-06
3172	68	0.16	0.35	-0.90	0.0	4.02e-05	-2.92e-06
3172	88	0.14	-0.90	-0.76	0.0	3.66e-05	-5.29e-06
3172	98	0.13	-0.11	-0.73	0.0	3.41e-05	-3.96e-06
3172	105	0.12	-0.26	-0.69	0.0	3.27e-05	-4.02e-06
3172	107	0.12	-0.10	-0.69	0.0	3.26e-05	-3.84e-06
3172	108	5.53	0.23	-0.85	0.0	9.00e-04	-4.20e-04
3172	112	6.94	0.09	-0.83	0.0	7.09e-04	-5.27e-04
3172	129	3.95	-7.40	-0.61	0.0	-1.11e-04	-3.29e-04
3172	140	6.21	0.27	-0.87	0.0	1.01e-03	-4.72e-04
3172	144	7.81	0.11	-0.85	0.0	7.94e-04	-5.93e-04
3172	161	4.43	-8.31	-0.60	0.0	-1.29e-04	-3.72e-04
3172	172	6.18	0.27	-0.87	0.0	9.93e-04	-4.67e-04
3172	176	7.76	0.09	-0.85	0.0	7.82e-04	-5.88e-04
3172	193	4.44	-8.24	-0.60	0.0	-1.23e-04	-3.76e-04
3172	204	7.22	0.32	-0.90	0.0	1.15e-03	-5.44e-04
3172	208	9.07	0.11	-0.87	0.0	9.07e-04	-6.89e-04
3172	225	5.23	-9.60	-0.59	0.0	-1.43e-04	-4.48e-04
3173	4	0.25	0.57	-1.31	0.0	6.23e-05	2.73e-05
3173	44	0.22	-1.41	-1.10	0.0	5.56e-05	1.83e-05
3173	52	0.25	-0.18	-1.30	0.0	6.29e-05	2.44e-05
3173	68	0.17	0.37	-0.91	0.0	4.39e-05	1.86e-05
3173	88	0.15	-0.94	-0.77	0.0	3.94e-05	1.26e-05
3173	92	0.17	-0.13	-0.90	0.0	4.43e-05	1.67e-05

3173	98	0.14	-0.11	-0.74	0.0	3.70e-05	1.34e-05
3173	105	0.14	-0.27	-0.70	0.0	3.54e-05	1.22e-05
3173	107	0.14	-0.10	-0.70	0.0	3.53e-05	1.25e-05
3173	108	5.84	0.28	-0.86	0.0	8.09e-04	-4.33e-04
3173	112	7.35	0.13	-0.84	0.0	8.05e-04	-5.46e-04
3173	129	4.19	-7.92	-0.63	0.0	-9.90e-05	-3.35e-04
3173	140	6.57	0.33	-0.88	0.0	9.07e-04	-4.90e-04
3173	144	8.26	0.15	-0.86	0.0	9.02e-04	-6.17e-04
3173	161	4.70	-8.91	-0.62	0.0	-1.15e-04	-3.80e-04
3173	172	6.53	0.33	-0.88	0.0	8.92e-04	-4.85e-04
3173	176	8.21	0.14	-0.86	0.0	8.87e-04	-6.14e-04
3173	193	4.71	-8.82	-0.62	0.0	-1.10e-04	-3.86e-04
3173	204	7.63	0.39	-0.91	0.0	1.03e-03	-5.69e-04
3173	208	9.59	0.16	-0.88	0.0	1.03e-03	-7.22e-04
3173	225	5.54	-10.29	-0.61	0.0	-1.29e-04	-4.64e-04
3174	4	0.29	0.51	-1.34	0.0	1.41e-04	-6.27e-06
3174	44	0.25	-1.54	-1.13	0.0	1.16e-04	-5.24e-06
3174	52	0.29	-0.27	-1.33	0.0	1.39e-04	-7.04e-06
3174	68	0.20	0.33	-0.93	0.0	9.82e-05	-4.41e-06
3174	88	0.18	-1.04	-0.79	0.0	8.11e-05	-3.72e-06
3174	92	0.20	-0.19	-0.93	0.0	9.68e-05	-4.92e-06
3174	98	0.17	-0.16	-0.76	0.0	7.89e-05	-4.11e-06
3174	105	0.16	-0.33	-0.72	0.0	7.40e-05	-3.78e-06
3174	107	0.16	-0.15	-0.72	0.0	7.45e-05	-3.89e-06
3174	108	6.14	0.28	-0.88	0.0	5.88e-04	-4.20e-04
3174	112	7.72	0.11	-0.86	0.0	4.73e-04	-5.36e-04
3174	129	4.42	-8.32	-0.66	0.0	-1.31e-05	-3.45e-04
3174	140	6.90	0.33	-0.90	0.0	6.53e-04	-4.72e-04
3174	144	8.68	0.14	-0.88	0.0	5.24e-04	-6.03e-04
3174	161	4.96	-9.35	-0.65	0.0	-2.39e-05	-3.89e-04
3174	172	6.86	0.33	-0.89	0.0	6.42e-04	-4.62e-04
3174	176	8.62	0.12	-0.88	0.0	5.16e-04	-5.92e-04
3174	193	4.96	-9.26	-0.66	0.0	-2.08e-05	-3.90e-04
3174	204	8.01	0.40	-0.92	0.0	7.36e-04	-5.37e-04
3174	208	10.07	0.15	-0.90	0.0	5.89e-04	-6.90e-04
3174	225	5.83	-10.79	-0.65	0.0	-3.33e-05	-4.63e-04
3175	4	0.22	0.53	-1.53	0.0	6.85e-05	-5.42e-06
3175	44	0.19	-1.34	-1.28	0.0	6.11e-05	-6.56e-06
3175	68	0.16	0.35	-1.07	0.0	4.83e-05	-3.91e-06
3175	88	0.14	-0.90	-0.90	0.0	4.33e-05	-4.67e-06
3175	98	0.13	-0.11	-0.86	0.0	4.06e-05	-4.08e-06
3175	105	0.12	-0.26	-0.81	0.0	3.87e-05	-3.96e-06
3175	107	0.12	-0.10	-0.82	0.0	3.87e-05	-3.93e-06
3175	112	6.76	0.09	-0.93	0.0	7.28e-04	-5.38e-04
3175	124	-0.40	6.15	-0.96	0.0	6.11e-04	3.17e-05
3175	129	3.86	-7.40	-0.72	0.0	-1.17e-04	-3.35e-04
3175	144	7.60	0.11	-0.95	0.0	8.15e-04	-6.06e-04
3175	156	-0.46	6.94	-0.98	0.0	6.83e-04	3.68e-05
3175	161	4.33	-8.31	-0.71	0.0	-1.37e-04	-3.78e-04
3175	176	7.55	0.09	-0.95	0.0	8.01e-04	-6.02e-04
3175	188	-0.45	6.86	-0.98	0.0	6.71e-04	3.94e-05
3175	193	4.33	-8.24	-0.71	0.0	-1.31e-04	-3.84e-04
3175	208	8.81	0.11	-0.97	0.0	9.27e-04	-7.05e-04
3175	220	-0.55	8.00	-1.00	0.0	7.74e-04	5.00e-05
3175	225	5.09	-9.60	-0.70	0.0	-1.53e-04	-4.58e-04
3176	4	0.25	0.55	-1.55	0.0	6.56e-05	7.05e-06
3176	44	0.22	-1.42	-1.30	0.0	5.92e-05	3.75e-06
3176	68	0.18	0.36	-1.08	0.0	4.62e-05	4.71e-06
3176	88	0.16	-0.95	-0.91	0.0	4.19e-05	2.51e-06
3176	98	0.15	-0.12	-0.88	0.0	3.91e-05	2.85e-06
3176	105	0.14	-0.28	-0.83	0.0	3.74e-05	2.52e-06
3176	107	0.14	-0.11	-0.83	0.0	3.73e-05	2.58e-06
3176	112	7.19	0.12	-0.95	0.0	8.54e-04	-5.36e-04
3176	124	-0.43	6.59	-0.98	0.0	5.71e-04	4.43e-05
3176	129	4.12	-7.91	-0.74	0.0	-1.10e-04	-3.37e-04
3176	144	8.08	0.14	-0.96	0.0	9.57e-04	-6.05e-04
3176	156	-0.50	7.43	-0.99	0.0	6.38e-04	5.01e-05
3176	161	4.62	-8.89	-0.72	0.0	-1.28e-04	-3.81e-04
3176	176	8.02	0.13	-0.96	0.0	9.40e-04	-5.98e-04
3176	188	-0.49	7.35	-0.99	0.0	6.26e-04	5.26e-05
3176	193	4.61	-8.81	-0.73	0.0	-1.23e-04	-3.85e-04
3176	208	9.36	0.15	-0.98	0.0	1.09e-03	-7.01e-04
3176	220	-0.59	8.58	-1.02	0.0	7.22e-04	6.44e-05
3176	225	5.42	-10.27	-0.71	0.0	-1.45e-04	-4.60e-04
3177	4	0.29	0.51	-1.61	0.0	1.13e-04	-6.09e-06

3177	44	0.25	-1.54	-1.35	0.0	9.47e-05	-5.26e-06
3177	68	0.20	0.33	-1.12	0.0	7.84e-05	-4.29e-06
3177	88	0.18	-1.04	-0.95	0.0	6.64e-05	-3.74e-06
3177	98	0.17	-0.16	-0.90	0.0	6.32e-05	-4.05e-06
3177	105	0.16	-0.33	-0.85	0.0	5.96e-05	-3.74e-06
3177	107	0.16	-0.15	-0.86	0.0	5.98e-05	-3.84e-06
3177	112	7.60	0.11	-0.97	0.0	4.83e-04	-5.36e-04
3177	124	-0.46	6.88	-1.01	0.0	4.06e-04	4.59e-05
3177	129	4.36	-8.32	-0.76	0.0	-3.08e-05	-3.46e-04
3177	144	8.54	0.14	-0.99	0.0	5.37e-04	-6.03e-04
3177	156	-0.53	7.76	-1.03	0.0	4.50e-04	5.26e-05
3177	161	4.90	-9.35	-0.75	0.0	-4.20e-05	-3.90e-04
3177	176	8.46	0.12	-0.99	0.0	5.27e-04	-5.93e-04
3177	188	-0.52	7.68	-1.02	0.0	4.41e-04	5.45e-05
3177	193	4.88	-9.26	-0.75	0.0	-3.91e-05	-3.91e-04
3177	208	9.88	0.15	-1.01	0.0	6.04e-04	-6.91e-04
3177	220	-0.63	8.96	-1.05	0.0	5.02e-04	6.76e-05
3177	225	5.73	-10.79	-0.73	0.0	-5.22e-05	-4.64e-04
3178	4	0.22	0.53	-1.58	0.0	7.15e-05	-6.07e-06
3178	44	0.19	-1.34	-1.33	0.0	6.36e-05	-5.77e-06
3178	68	0.15	0.35	-1.10	0.0	5.03e-05	-4.31e-06
3178	88	0.13	-0.90	-0.93	0.0	4.50e-05	-4.11e-06
3178	98	0.13	-0.11	-0.89	0.0	4.22e-05	-3.99e-06
3178	105	0.12	-0.26	-0.84	0.0	4.03e-05	-3.77e-06
3178	107	0.12	-0.10	-0.84	0.0	4.02e-05	-3.83e-06
3178	113	6.61	-3.69	-0.90	0.0	9.47e-04	-4.23e-04
3178	124	-0.43	6.15	-0.98	0.0	6.32e-04	3.37e-05
3178	129	3.78	-7.40	-0.75	0.0	-1.25e-04	-3.33e-04
3178	145	7.43	-4.13	-0.91	0.0	1.06e-03	-4.76e-04
3178	156	-0.49	6.93	-0.99	0.0	7.06e-04	3.90e-05
3178	161	4.25	-8.31	-0.74	0.0	-1.45e-04	-3.76e-04
3178	177	7.35	-4.07	-0.91	0.0	1.04e-03	-4.71e-04
3178	188	-0.48	6.86	-0.99	0.0	6.92e-04	4.15e-05
3178	193	4.23	-8.24	-0.74	0.0	-1.40e-04	-3.81e-04
3178	209	8.58	-4.72	-0.92	0.0	1.21e-03	-5.49e-04
3178	220	-0.58	8.00	-1.01	0.0	7.98e-04	5.25e-05
3178	225	4.96	-9.60	-0.73	0.0	-1.63e-04	-4.54e-04
3179	4	0.25	0.54	-1.61	0.0	6.78e-05	-2.20e-06
3179	44	0.22	-1.42	-1.35	0.0	6.12e-05	-2.62e-06
3179	68	0.18	0.35	-1.12	0.0	4.77e-05	-1.63e-06
3179	88	0.16	-0.96	-0.95	0.0	4.33e-05	-1.92e-06
3179	98	0.15	-0.12	-0.91	0.0	4.03e-05	-1.90e-06
3179	105	0.14	-0.28	-0.86	0.0	3.86e-05	-1.81e-06
3179	107	0.14	-0.12	-0.86	0.0	3.85e-05	-1.86e-06
3179	113	7.05	-3.91	-0.92	0.0	8.90e-04	-4.22e-04
3179	124	4.44	6.57	-0.99	0.0	5.97e-04	4.12e-05
3179	129	-0.85	-7.90	-0.77	0.0	-1.19e-04	-3.38e-04
3179	145	7.93	-4.39	-0.93	0.0	9.97e-04	-4.74e-04
3179	156	4.98	7.41	-1.01	0.0	6.67e-04	4.71e-05
3179	161	-0.97	-8.88	-0.76	0.0	-1.38e-04	-3.82e-04
3179	177	7.85	-4.32	-0.92	0.0	9.78e-04	-4.67e-04
3179	188	4.92	7.33	-1.00	0.0	6.54e-04	4.94e-05
3179	193	-0.92	-8.80	-0.76	0.0	-1.33e-04	-3.85e-04
3179	209	9.15	-5.01	-0.93	0.0	1.13e-03	-5.44e-04
3179	220	5.73	8.55	-1.03	0.0	7.54e-04	6.13e-05
3179	225	-1.04	-10.25	-0.74	0.0	-1.56e-04	-4.58e-04
3180	4	0.28	0.51	-1.67	0.0	9.57e-05	-5.23e-06
3180	44	0.25	-1.54	-1.41	0.0	8.16e-05	-4.88e-06
3180	68	0.20	0.33	-1.16	0.0	6.66e-05	-3.71e-06
3180	88	0.18	-1.04	-0.99	0.0	5.71e-05	-3.47e-06
3180	98	0.17	-0.16	-0.94	0.0	5.37e-05	-3.63e-06
3180	105	0.16	-0.33	-0.89	0.0	5.07e-05	-3.38e-06
3180	107	0.16	-0.15	-0.89	0.0	5.08e-05	-3.46e-06
3180	113	7.48	-4.11	-0.95	0.0	6.41e-04	-4.21e-04
3180	124	4.73	6.88	-1.02	0.0	4.21e-04	4.61e-05
3180	129	-0.90	-8.32	-0.80	0.0	-4.70e-05	-3.46e-04
3180	145	8.40	-4.61	-0.96	0.0	7.15e-04	-4.73e-04
3180	156	5.30	7.76	-1.04	0.0	4.67e-04	5.28e-05
3180	161	-1.03	-9.35	-0.79	0.0	-5.91e-05	-3.90e-04
3180	177	8.31	-4.53	-0.96	0.0	7.00e-04	-4.63e-04
3180	188	5.24	7.68	-1.04	0.0	4.56e-04	5.47e-05
3180	193	-0.98	-9.26	-0.79	0.0	-5.63e-05	-3.91e-04
3180	209	9.69	-5.25	-0.97	0.0	8.06e-04	-5.38e-04
3180	220	6.09	8.97	-1.06	0.0	5.21e-04	6.77e-05
3180	225	-1.12	-10.79	-0.78	0.0	-7.09e-05	-4.64e-04

3181	4	0.21	0.53	-1.46	0.0	7.18e-05	-5.72e-06
3181	44	0.19	-1.34	-1.22	0.0	6.38e-05	-4.78e-06
3181	68	0.15	0.35	-1.01	0.0	5.05e-05	-4.04e-06
3181	88	0.13	-0.90	-0.86	0.0	4.51e-05	-3.41e-06
3181	98	0.12	-0.11	-0.82	0.0	4.23e-05	-3.56e-06
3181	105	0.12	-0.26	-0.77	0.0	4.04e-05	-3.30e-06
3181	107	0.12	-0.10	-0.78	0.0	4.03e-05	-3.40e-06
3181	113	6.47	-3.68	-0.81	0.0	9.71e-04	-4.18e-04
3181	124	4.09	6.15	-0.89	0.0	6.49e-04	3.56e-05
3181	129	-0.83	-7.40	-0.69	0.0	-1.32e-04	-3.30e-04
3181	145	7.27	-4.13	-0.81	0.0	1.09e-03	-4.70e-04
3181	156	4.59	6.93	-0.91	0.0	7.25e-04	4.10e-05
3181	161	-0.94	-8.31	-0.68	0.0	-1.53e-04	-3.73e-04
3181	177	7.18	-4.07	-0.81	0.0	1.07e-03	-4.63e-04
3181	188	4.53	6.86	-0.90	0.0	7.10e-04	4.35e-05
3181	193	-0.90	-8.24	-0.68	0.0	-1.48e-04	-3.77e-04
3181	209	8.37	-4.72	-0.81	0.0	1.23e-03	-5.40e-04
3181	220	5.26	8.00	-0.92	0.0	8.18e-04	5.47e-05
3181	225	-1.02	-9.60	-0.66	0.0	-1.73e-04	-4.49e-04
3182	4	0.25	0.54	-1.50	0.0	6.92e-05	-4.66e-06
3182	44	0.22	-1.43	-1.26	0.0	6.22e-05	-4.10e-06
3182	68	0.18	0.35	-1.04	0.0	4.87e-05	-3.31e-06
3182	88	0.15	-0.96	-0.88	0.0	4.40e-05	-2.93e-06
3182	98	0.14	-0.13	-0.84	0.0	4.10e-05	-3.09e-06
3182	105	0.14	-0.29	-0.80	0.0	3.92e-05	-2.87e-06
3182	107	0.14	-0.12	-0.80	0.0	3.91e-05	-2.96e-06
3182	113	6.93	-3.91	-0.83	0.0	9.17e-04	-4.19e-04
3182	124	4.40	6.56	-0.91	0.0	6.17e-04	4.09e-05
3182	129	-0.89	-7.89	-0.71	0.0	-1.26e-04	-3.38e-04
3182	145	7.78	-4.38	-0.84	0.0	1.03e-03	-4.72e-04
3182	156	4.93	7.39	-0.93	0.0	6.89e-04	4.69e-05
3182	161	-1.02	-8.87	-0.70	0.0	-1.46e-04	-3.81e-04
3182	177	7.69	-4.31	-0.83	0.0	1.01e-03	-4.64e-04
3182	188	4.86	7.31	-0.92	0.0	6.75e-04	4.92e-05
3182	193	-0.97	-8.79	-0.70	0.0	-1.41e-04	-3.84e-04
3182	209	8.95	-5.00	-0.84	0.0	1.16e-03	-5.40e-04
3182	220	5.65	8.54	-0.94	0.0	7.77e-04	6.12e-05
3182	225	-1.11	-10.24	-0.69	0.0	-1.65e-04	-4.57e-04
3183	4	0.28	0.51	-1.59	0.0	8.42e-05	-4.51e-06
3183	44	0.25	-1.54	-1.34	0.0	7.09e-05	-4.73e-06
3183	68	0.20	0.33	-1.11	0.0	5.85e-05	-3.22e-06
3183	88	0.18	-1.04	-0.94	0.0	4.97e-05	-3.36e-06
3183	98	0.16	-0.16	-0.90	0.0	4.66e-05	-3.36e-06
3183	105	0.16	-0.33	-0.85	0.0	4.40e-05	-3.15e-06
3183	107	0.16	-0.15	-0.85	0.0	4.42e-05	-3.20e-06
3183	113	7.37	-4.11	-0.88	0.0	6.58e-04	-4.21e-04
3183	124	4.69	6.88	-0.96	0.0	4.32e-04	4.62e-05
3183	129	-0.95	-8.32	-0.76	0.0	-6.27e-05	-3.45e-04
3183	145	8.28	-4.61	-0.88	0.0	7.35e-04	-4.74e-04
3183	156	5.26	7.76	-0.97	0.0	4.80e-04	5.28e-05
3183	161	-1.09	-9.35	-0.75	0.0	-7.60e-05	-3.90e-04
3183	177	8.17	-4.53	-0.88	0.0	7.18e-04	-4.64e-04
3183	188	5.19	7.68	-0.97	0.0	4.69e-04	5.48e-05
3183	193	-1.04	-9.26	-0.75	0.0	-7.34e-05	-3.91e-04
3183	209	9.51	-5.25	-0.89	0.0	8.27e-04	-5.39e-04
3183	220	6.02	8.97	-0.99	0.0	5.36e-04	6.78e-05
3183	225	-1.19	-10.79	-0.74	0.0	-8.98e-05	-4.64e-04
3184	4	0.21	0.53	-1.21	0.0	7.17e-05	-4.94e-06
3184	44	0.18	-1.34	-1.02	0.0	6.34e-05	-3.83e-06
3184	68	0.15	0.35	-0.84	0.0	5.04e-05	-3.48e-06
3184	88	0.13	-0.90	-0.72	0.0	4.49e-05	-2.74e-06
3184	98	0.12	-0.11	-0.69	0.0	4.20e-05	-3.02e-06
3184	105	0.12	-0.26	-0.65	0.0	4.02e-05	-2.77e-06
3184	107	0.12	-0.10	-0.65	0.0	4.01e-05	-2.89e-06
3184	113	6.34	-3.68	-0.66	0.0	9.92e-04	-4.13e-04
3184	124	4.04	6.15	-0.74	0.0	6.64e-04	3.64e-05
3184	129	-0.87	-7.39	-0.57	0.0	-1.39e-04	-3.27e-04
3184	145	7.13	-4.13	-0.66	0.0	1.11e-03	-4.65e-04
3184	156	4.54	6.93	-0.75	0.0	7.42e-04	4.19e-05
3184	161	-0.99	-8.31	-0.56	0.0	-1.62e-04	-3.69e-04
3184	177	7.02	-4.07	-0.66	0.0	1.09e-03	-4.58e-04
3184	188	4.47	6.85	-0.75	0.0	7.26e-04	4.44e-05
3184	193	-0.95	-8.24	-0.56	0.0	-1.56e-04	-3.73e-04
3184	209	8.17	-4.72	-0.66	0.0	1.26e-03	-5.34e-04
3184	220	5.18	8.00	-0.77	0.0	8.36e-04	5.56e-05

3184	225	-1.08	-9.60	-0.55	0.0	-1.83e-04	-4.45e-04
3185	4	0.25	0.53	-1.29	0.0	7.02e-05	-4.67e-06
3185	44	0.21	-1.43	-1.09	0.0	6.26e-05	-3.90e-06
3185	68	0.17	0.35	-0.90	0.0	4.94e-05	-3.30e-06
3185	88	0.15	-0.96	-0.76	0.0	4.43e-05	-2.79e-06
3185	98	0.14	-0.13	-0.73	0.0	4.14e-05	-3.02e-06
3185	105	0.14	-0.29	-0.69	0.0	3.95e-05	-2.78e-06
3185	107	0.14	-0.12	-0.69	0.0	3.95e-05	-2.89e-06
3185	113	6.81	-3.91	-0.70	0.0	9.39e-04	-4.18e-04
3185	124	4.36	6.55	-0.78	0.0	6.33e-04	4.12e-05
3185	129	-0.94	-7.88	-0.61	0.0	-1.32e-04	-3.36e-04
3185	145	7.66	-4.38	-0.70	0.0	1.05e-03	-4.70e-04
3185	156	4.89	7.38	-0.79	0.0	7.07e-04	4.73e-05
3185	161	-1.07	-8.86	-0.60	0.0	-1.53e-04	-3.79e-04
3185	177	7.54	-4.31	-0.70	0.0	1.03e-03	-4.62e-04
3185	188	4.81	7.30	-0.79	0.0	6.91e-04	4.95e-05
3185	193	-1.02	-8.78	-0.60	0.0	-1.48e-04	-3.82e-04
3185	209	8.77	-5.00	-0.70	0.0	1.19e-03	-5.37e-04
3185	220	5.58	8.52	-0.80	0.0	7.97e-04	6.16e-05
3185	225	-1.17	-10.23	-0.59	0.0	-1.74e-04	-4.54e-04
3186	4	0.28	0.51	-1.42	0.0	7.66e-05	-3.94e-06
3186	44	0.25	-1.54	-1.20	0.0	6.08e-05	-4.83e-06
3186	68	0.20	0.33	-0.99	0.0	5.31e-05	-2.83e-06
3186	88	0.17	-1.04	-0.84	0.0	4.25e-05	-3.43e-06
3186	98	0.16	-0.16	-0.80	0.0	4.09e-05	-3.22e-06
3186	105	0.16	-0.33	-0.76	0.0	3.83e-05	-3.07e-06
3186	107	0.16	-0.15	-0.76	0.0	3.87e-05	-3.07e-06
3186	113	7.26	-4.11	-0.77	0.0	6.68e-04	-4.21e-04
3186	124	4.67	6.88	-0.85	0.0	4.42e-04	4.61e-05
3186	129	-1.00	-8.32	-0.68	0.0	-7.76e-05	-3.45e-04
3186	145	8.16	-4.61	-0.77	0.0	7.47e-04	-4.74e-04
3186	156	5.23	7.76	-0.86	0.0	4.92e-04	5.27e-05
3186	161	-1.14	-9.35	-0.68	0.0	-9.21e-05	-3.90e-04
3186	177	8.03	-4.53	-0.77	0.0	7.28e-04	-4.64e-04
3186	188	5.15	7.68	-0.86	0.0	4.78e-04	5.47e-05
3186	193	-1.10	-9.27	-0.68	0.0	-8.97e-05	-3.91e-04
3186	209	9.34	-5.25	-0.77	0.0	8.38e-04	-5.40e-04
3186	220	5.97	8.97	-0.87	0.0	5.48e-04	6.77e-05
3186	225	-1.26	-10.79	-0.66	0.0	-1.08e-04	-4.64e-04
3187	4	0.06	0.50	-0.86	0.0	7.66e-05	0.0
3187	44	0.05	-0.92	-0.73	0.0	6.60e-05	0.0
3187	68	0.04	0.33	-0.60	0.0	5.38e-05	0.0
3187	88	0.03	-0.61	-0.51	0.0	4.68e-05	0.0
3187	98	0.03	-0.02	-0.49	0.0	4.42e-05	0.0
3187	105	0.03	-0.14	-0.46	0.0	4.22e-05	0.0
3187	107	0.03	-0.02	-0.46	0.0	4.22e-05	0.0
3187	113	3.82	-2.73	-0.46	0.0	1.30e-03	-3.40e-04
3187	124	2.42	4.44	-0.51	0.0	8.48e-04	2.12e-05
3187	129	-0.56	-5.30	-0.42	0.0	-1.88e-04	-2.53e-04
3187	145	4.30	-3.07	-0.46	0.0	1.45e-03	-3.83e-04
3187	156	2.72	5.00	-0.52	0.0	9.49e-04	2.44e-05
3187	161	-0.63	-5.96	-0.41	0.0	-2.17e-04	-2.86e-04
3187	177	4.24	-3.02	-0.46	0.0	1.42e-03	-3.81e-04
3187	188	2.68	4.95	-0.51	0.0	9.25e-04	2.68e-05
3187	193	-0.61	-5.91	-0.41	0.0	-2.11e-04	-2.92e-04
3187	209	4.95	-3.52	-0.46	0.0	1.64e-03	-4.46e-04
3187	220	3.12	5.76	-0.52	0.0	1.07e-03	3.41e-05
3187	225	-0.69	-6.90	-0.41	0.0	-2.46e-04	-3.50e-04
3188	4	0.10	0.50	-0.92	0.0	7.53e-05	-2.09e-06
3188	44	0.08	-1.03	-0.78	0.0	6.51e-05	-1.19e-06
3188	68	0.07	0.33	-0.64	0.0	5.29e-05	-1.46e-06
3188	88	0.06	-0.69	-0.54	0.0	4.61e-05	0.0
3188	98	0.06	-0.05	-0.52	0.0	4.35e-05	-1.24e-06
3188	105	0.05	-0.17	-0.49	0.0	4.15e-05	-1.08e-06
3188	107	0.05	-0.04	-0.49	0.0	4.15e-05	-1.18e-06
3188	113	4.49	-2.97	-0.49	0.0	1.24e-03	-3.67e-04
3188	124	2.86	4.87	-0.54	0.0	8.16e-04	2.42e-05
3188	129	-0.66	-5.83	-0.45	0.0	-1.81e-04	-2.77e-04
3188	145	5.05	-3.34	-0.49	0.0	1.39e-03	-4.13e-04
3188	156	3.21	5.49	-0.55	0.0	9.13e-04	2.80e-05
3188	161	-0.75	-6.56	-0.44	0.0	-2.08e-04	-3.13e-04
3188	177	4.97	-3.29	-0.49	0.0	1.36e-03	-4.11e-04
3188	188	3.16	5.42	-0.55	0.0	8.91e-04	3.05e-05
3188	193	-0.72	-6.50	-0.44	0.0	-2.03e-04	-3.19e-04
3188	209	5.79	-3.83	-0.49	0.0	1.57e-03	-4.81e-04

3188	220	3.67	6.32	-0.56	0.0	1.03e-03	3.88e-05
3188	225	-0.82	-7.59	-0.43	0.0	-2.37e-04	-3.82e-04
3189	4	0.13	0.51	-0.97	0.0	7.39e-05	-3.09e-06
3189	44	0.12	-1.14	-0.82	0.0	6.42e-05	-1.96e-06
3189	68	0.09	0.34	-0.67	0.0	5.19e-05	-2.17e-06
3189	88	0.08	-0.76	-0.58	0.0	4.55e-05	-1.42e-06
3189	98	0.08	-0.07	-0.55	0.0	4.29e-05	-1.80e-06
3189	105	0.07	-0.20	-0.52	0.0	4.09e-05	-1.61e-06
3189	107	0.07	-0.07	-0.52	0.0	4.09e-05	-1.72e-06
3189	113	5.12	-3.21	-0.52	0.0	1.17e-03	-3.87e-04
3189	124	3.27	5.30	-0.57	0.0	7.71e-04	2.79e-05
3189	129	-0.75	-6.36	-0.47	0.0	-1.70e-04	-2.96e-04
3189	145	5.76	-3.61	-0.52	0.0	1.31e-03	-4.36e-04
3189	156	3.67	5.97	-0.58	0.0	8.62e-04	3.22e-05
3189	161	-0.85	-7.15	-0.47	0.0	-1.96e-04	-3.34e-04
3189	177	5.66	-3.56	-0.52	0.0	1.28e-03	-4.32e-04
3189	188	3.61	5.91	-0.58	0.0	8.41e-04	3.48e-05
3189	193	-0.82	-7.09	-0.47	0.0	-1.91e-04	-3.40e-04
3189	209	6.59	-4.13	-0.52	0.0	1.48e-03	-5.05e-04
3189	220	4.19	6.89	-0.59	0.0	9.69e-04	4.41e-05
3189	225	-0.94	-8.27	-0.46	0.0	-2.23e-04	-4.06e-04
3190	4	0.17	0.52	-1.02	0.0	7.25e-05	-3.87e-06
3190	44	0.15	-1.25	-0.86	0.0	6.35e-05	-2.65e-06
3190	68	0.12	0.34	-0.71	0.0	5.10e-05	-2.72e-06
3190	88	0.11	-0.84	-0.61	0.0	4.50e-05	-1.91e-06
3190	98	0.10	-0.09	-0.58	0.0	4.23e-05	-2.29e-06
3190	105	0.10	-0.23	-0.55	0.0	4.03e-05	-2.07e-06
3190	107	0.10	-0.09	-0.55	0.0	4.03e-05	-2.19e-06
3190	113	5.70	-3.46	-0.55	0.0	1.08e-03	-4.01e-04
3190	124	3.66	5.73	-0.60	0.0	7.21e-04	3.20e-05
3190	129	-0.84	-6.89	-0.50	0.0	-1.58e-04	-3.11e-04
3190	145	6.41	-3.88	-0.55	0.0	1.21e-03	-4.51e-04
3190	156	4.11	6.46	-0.61	0.0	8.06e-04	3.68e-05
3190	161	-0.95	-7.75	-0.50	0.0	-1.82e-04	-3.51e-04
3190	177	6.30	-3.82	-0.55	0.0	1.19e-03	-4.46e-04
3190	188	4.03	6.39	-0.60	0.0	7.87e-04	3.94e-05
3190	193	-0.92	-7.68	-0.50	0.0	-1.77e-04	-3.56e-04
3190	209	7.33	-4.43	-0.55	0.0	1.37e-03	-5.21e-04
3190	220	4.68	7.46	-0.61	0.0	9.07e-04	4.96e-05
3190	225	-1.05	-8.95	-0.49	0.0	-2.07e-04	-4.25e-04
3191	4	0.06	0.50	-0.83	0.0	7.50e-05	0.0
3191	44	0.05	-0.92	-0.72	0.0	6.47e-05	0.0
3191	68	0.04	0.33	-0.58	0.0	5.27e-05	0.0
3191	88	0.03	-0.61	-0.50	0.0	4.59e-05	0.0
3191	98	0.03	-0.02	-0.48	0.0	4.34e-05	0.0
3191	105	0.03	-0.14	-0.45	0.0	4.13e-05	0.0
3191	107	0.03	-0.02	-0.45	0.0	4.14e-05	0.0
3191	113	3.70	-2.73	-0.45	0.0	1.29e-03	-3.29e-04
3191	124	2.37	4.45	-0.46	0.0	8.48e-04	2.17e-05
3191	129	-0.59	-5.30	-0.44	0.0	-1.96e-04	-2.47e-04
3191	145	4.16	-3.07	-0.45	0.0	1.44e-03	-3.70e-04
3191	156	2.67	5.00	-0.47	0.0	9.48e-04	2.50e-05
3191	161	-0.66	-5.96	-0.44	0.0	-2.26e-04	-2.79e-04
3191	177	4.09	-3.02	-0.45	0.0	1.40e-03	-3.68e-04
3191	188	2.62	4.95	-0.46	0.0	9.22e-04	2.72e-05
3191	193	-0.64	-5.91	-0.44	0.0	-2.21e-04	-2.84e-04
3191	209	4.76	-3.52	-0.45	0.0	1.62e-03	-4.31e-04
3191	220	3.04	5.76	-0.47	0.0	1.06e-03	3.44e-05
3191	225	-0.73	-6.90	-0.44	0.0	-2.58e-04	-3.40e-04
3192	4	0.09	0.50	-0.89	0.0	7.41e-05	-2.02e-06
3192	44	0.08	-1.03	-0.76	0.0	6.42e-05	-1.05e-06
3192	68	0.07	0.33	-0.62	0.0	5.21e-05	-1.41e-06
3192	88	0.06	-0.69	-0.54	0.0	4.55e-05	0.0
3192	98	0.05	-0.05	-0.51	0.0	4.29e-05	-1.21e-06
3192	105	0.05	-0.17	-0.48	0.0	4.09e-05	-1.04e-06
3192	107	0.05	-0.04	-0.48	0.0	4.09e-05	-1.14e-06
3192	113	4.36	-2.97	-0.48	0.0	1.24e-03	-3.57e-04
3192	124	2.81	4.87	-0.49	0.0	8.20e-04	2.41e-05
3192	129	-0.69	-5.83	-0.47	0.0	-1.89e-04	-2.70e-04
3192	145	4.91	-3.34	-0.48	0.0	1.39e-03	-4.02e-04
3192	156	3.15	5.49	-0.50	0.0	9.17e-04	2.78e-05
3192	161	-0.78	-6.56	-0.47	0.0	-2.18e-04	-3.05e-04
3192	177	4.81	-3.29	-0.48	0.0	1.35e-03	-3.99e-04
3192	188	3.09	5.43	-0.50	0.0	8.92e-04	3.02e-05
3192	193	-0.76	-6.50	-0.47	0.0	-2.13e-04	-3.10e-04

3192	209	5.60	-3.83	-0.48	0.0	1.56e-03	-4.67e-04
3192	220	3.59	6.33	-0.50	0.0	1.03e-03	3.83e-05
3192	225	-0.86	-7.59	-0.47	0.0	-2.49e-04	-3.71e-04
3193	4	0.13	0.51	-0.93	0.0	7.30e-05	-3.12e-06
3193	44	0.12	-1.14	-0.81	0.0	6.35e-05	-1.94e-06
3193	68	0.09	0.34	-0.65	0.0	5.13e-05	-2.19e-06
3193	88	0.08	-0.77	-0.57	0.0	4.50e-05	-1.40e-06
3193	98	0.08	-0.07	-0.53	0.0	4.24e-05	-1.84e-06
3193	105	0.07	-0.20	-0.51	0.0	4.04e-05	-1.63e-06
3193	107	0.07	-0.07	-0.51	0.0	4.04e-05	-1.75e-06
3193	113	4.99	-3.22	-0.51	0.0	1.17e-03	-3.80e-04
3193	124	3.23	5.30	-0.52	0.0	7.79e-04	2.70e-05
3193	129	-0.79	-6.36	-0.49	0.0	-1.78e-04	-2.89e-04
3193	145	5.61	-3.61	-0.51	0.0	1.31e-03	-4.27e-04
3193	156	3.62	5.97	-0.52	0.0	8.71e-04	3.11e-05
3193	161	-0.89	-7.15	-0.49	0.0	-2.05e-04	-3.27e-04
3193	177	5.50	-3.56	-0.51	0.0	1.28e-03	-4.24e-04
3193	188	3.55	5.91	-0.52	0.0	8.48e-04	3.36e-05
3193	193	-0.86	-7.09	-0.49	0.0	-2.01e-04	-3.32e-04
3193	209	6.39	-4.13	-0.51	0.0	1.48e-03	-4.95e-04
3193	220	4.11	6.89	-0.52	0.0	9.76e-04	4.26e-05
3193	225	-0.99	-8.27	-0.49	0.0	-2.34e-04	-3.97e-04
3194	4	0.17	0.52	-0.98	0.0	7.19e-05	-3.94e-06
3194	44	0.15	-1.25	-0.85	0.0	6.29e-05	-2.68e-06
3194	68	0.12	0.34	-0.68	0.0	5.06e-05	-2.77e-06
3194	88	0.11	-0.84	-0.59	0.0	4.45e-05	-1.93e-06
3194	98	0.10	-0.09	-0.56	0.0	4.18e-05	-2.35e-06
3194	105	0.09	-0.23	-0.53	0.0	3.99e-05	-2.12e-06
3194	107	0.09	-0.09	-0.53	0.0	3.99e-05	-2.24e-06
3194	113	5.58	-3.46	-0.53	0.0	1.09e-03	-3.96e-04
3194	124	3.62	5.73	-0.55	0.0	7.32e-04	3.04e-05
3194	129	-0.88	-6.89	-0.52	0.0	-1.66e-04	-3.06e-04
3194	145	6.28	-3.88	-0.54	0.0	1.23e-03	-4.46e-04
3194	156	4.06	6.46	-0.55	0.0	8.19e-04	3.50e-05
3194	161	-1.00	-7.75	-0.52	0.0	-1.91e-04	-3.45e-04
3194	177	6.15	-3.82	-0.53	0.0	1.20e-03	-4.41e-04
3194	188	3.98	6.39	-0.55	0.0	7.98e-04	3.75e-05
3194	193	-0.97	-7.68	-0.52	0.0	-1.87e-04	-3.50e-04
3194	209	7.14	-4.43	-0.54	0.0	1.38e-03	-5.15e-04
3194	220	4.61	7.45	-0.55	0.0	9.18e-04	4.74e-05
3194	225	-1.11	-8.95	-0.51	0.0	-2.18e-04	-4.18e-04
3195	4	0.06	0.50	-0.84	0.0	7.35e-05	0.0
3195	28	0.05	-0.57	-0.85	0.0	7.25e-05	0.0
3195	44	0.05	-0.92	-0.74	0.0	6.35e-05	0.0
3195	68	0.04	0.33	-0.59	0.0	5.17e-05	0.0
3195	80	0.04	-0.38	-0.59	0.0	5.10e-05	0.0
3195	88	0.03	-0.61	-0.52	0.0	4.50e-05	0.0
3195	98	0.03	-0.02	-0.49	0.0	4.25e-05	0.0
3195	105	0.03	-0.14	-0.46	0.0	4.05e-05	0.0
3195	107	0.03	-0.02	-0.46	0.0	4.06e-05	0.0
3195	113	3.59	-2.73	-0.47	0.0	1.28e-03	-3.25e-04
3195	129	-0.61	-5.30	-0.48	0.0	-2.04e-04	-2.43e-04
3195	133	2.34	-5.00	-0.48	0.0	8.53e-04	2.28e-05
3195	145	4.04	-3.07	-0.47	0.0	1.44e-03	-3.66e-04
3195	161	-0.69	-5.96	-0.48	0.0	-2.35e-04	-2.75e-04
3195	165	2.63	-5.62	-0.48	0.0	9.54e-04	2.63e-05
3195	177	3.95	-3.02	-0.47	0.0	1.39e-03	-3.64e-04
3195	193	-0.67	-5.91	-0.48	0.0	-2.31e-04	-2.80e-04
3195	197	2.57	-5.51	-0.48	0.0	9.27e-04	2.86e-05
3195	209	4.59	-3.52	-0.48	0.0	1.61e-03	-4.26e-04
3195	225	-0.77	-6.90	-0.49	0.0	-2.70e-04	-3.35e-04
3195	233	2.70	-6.45	-0.49	0.0	9.47e-04	2.31e-05
3196	4	0.09	0.50	-0.90	0.0	7.28e-05	-2.46e-06
3196	28	0.09	-0.66	-0.91	0.0	7.20e-05	-2.10e-06
3196	44	0.08	-1.03	-0.79	0.0	6.31e-05	-1.41e-06
3196	68	0.07	0.33	-0.63	0.0	5.12e-05	-1.71e-06
3196	80	0.07	-0.44	-0.63	0.0	5.06e-05	-1.47e-06
3196	88	0.06	-0.69	-0.55	0.0	4.47e-05	-1.01e-06
3196	98	0.05	-0.05	-0.52	0.0	4.22e-05	-1.46e-06
3196	105	0.05	-0.17	-0.49	0.0	4.02e-05	-1.27e-06
3196	107	0.05	-0.04	-0.49	0.0	4.02e-05	-1.38e-06
3196	113	4.25	-2.97	-0.50	0.0	1.24e-03	-3.51e-04
3196	129	-0.72	-5.83	-0.51	0.0	-1.97e-04	-2.64e-04
3196	133	2.78	-5.48	-0.51	0.0	8.25e-04	2.42e-05
3196	145	4.78	-3.34	-0.51	0.0	1.39e-03	-3.96e-04

3196	161	-0.82	-6.56	-0.52	0.0	-2.26e-04	-2.98e-04
3196	165	3.12	-6.16	-0.52	0.0	9.23e-04	2.79e-05
3196	177	4.67	-3.29	-0.51	0.0	1.35e-03	-3.93e-04
3196	193	-0.79	-6.50	-0.52	0.0	-2.22e-04	-3.04e-04
3196	197	3.05	-6.05	-0.52	0.0	8.97e-04	3.04e-05
3196	209	5.42	-3.83	-0.51	0.0	1.55e-03	-4.60e-04
3196	225	-0.91	-7.59	-0.52	0.0	-2.60e-04	-3.63e-04
3196	233	3.19	-7.07	-0.52	0.0	9.19e-04	2.45e-05
3197	4	0.13	0.51	-0.95	0.0	7.20e-05	-3.86e-06
3197	28	0.13	-0.74	-0.96	0.0	7.13e-05	-3.45e-06
3197	44	0.11	-1.14	-0.83	0.0	6.26e-05	-2.57e-06
3197	68	0.09	0.34	-0.66	0.0	5.06e-05	-2.70e-06
3197	80	0.09	-0.50	-0.67	0.0	5.01e-05	-2.43e-06
3197	88	0.08	-0.77	-0.59	0.0	4.43e-05	-1.84e-06
3197	98	0.08	-0.07	-0.55	0.0	4.17e-05	-2.28e-06
3197	105	0.07	-0.20	-0.52	0.0	3.98e-05	-2.04e-06
3197	107	0.07	-0.07	-0.52	0.0	3.98e-05	-2.17e-06
3197	113	4.88	-3.22	-0.53	0.0	1.17e-03	-3.75e-04
3197	129	-0.82	-6.36	-0.54	0.0	-1.86e-04	-2.83e-04
3197	133	3.20	-5.96	-0.54	0.0	7.85e-04	2.58e-05
3197	145	5.49	-3.61	-0.53	0.0	1.31e-03	-4.22e-04
3197	161	-0.93	-7.15	-0.55	0.0	-2.14e-04	-3.20e-04
3197	165	3.59	-6.70	-0.55	0.0	8.78e-04	2.99e-05
3197	177	5.36	-3.56	-0.53	0.0	1.28e-03	-4.18e-04
3197	193	-0.91	-7.09	-0.55	0.0	-2.09e-04	-3.25e-04
3197	197	3.51	-6.58	-0.55	0.0	8.54e-04	3.25e-05
3197	209	6.22	-4.13	-0.54	0.0	1.47e-03	-4.89e-04
3197	225	-1.04	-8.27	-0.55	0.0	-2.45e-04	-3.89e-04
3197	233	3.66	-7.69	-0.55	0.0	8.79e-04	2.62e-05
3198	4	0.17	0.52	-1.00	0.0	7.13e-05	-4.81e-06
3198	28	0.17	-0.82	-1.01	0.0	7.08e-05	-4.43e-06
3198	44	0.15	-1.25	-0.88	0.0	6.22e-05	-3.43e-06
3198	68	0.12	0.34	-0.70	0.0	5.01e-05	-3.38e-06
3198	80	0.12	-0.55	-0.71	0.0	4.98e-05	-3.12e-06
3198	88	0.10	-0.84	-0.62	0.0	4.41e-05	-2.45e-06
3198	98	0.10	-0.09	-0.58	0.0	4.14e-05	-2.87e-06
3198	105	0.09	-0.24	-0.55	0.0	3.95e-05	-2.61e-06
3198	107	0.09	-0.09	-0.55	0.0	3.95e-05	-2.74e-06
3198	113	5.47	-3.46	-0.56	0.0	1.10e-03	-3.93e-04
3198	129	-0.92	-6.89	-0.57	0.0	-1.73e-04	-3.00e-04
3198	133	3.60	-6.44	-0.57	0.0	7.40e-04	2.83e-05
3198	145	6.15	-3.88	-0.56	0.0	1.23e-03	-4.43e-04
3198	161	-1.04	-7.75	-0.58	0.0	-1.99e-04	-3.39e-04
3198	165	4.04	-7.24	-0.58	0.0	8.28e-04	3.28e-05
3198	177	6.01	-3.82	-0.56	0.0	1.20e-03	-4.39e-04
3198	193	-1.01	-7.68	-0.58	0.0	-1.95e-04	-3.44e-04
3198	197	3.95	-7.10	-0.58	0.0	8.06e-04	3.54e-05
3198	209	6.96	-4.43	-0.57	0.0	1.38e-03	-5.13e-04
3198	225	-1.17	-8.95	-0.58	0.0	-2.29e-04	-4.11e-04
3198	233	4.11	-8.30	-0.58	0.0	8.35e-04	2.86e-05
3199	4	0.05	0.50	-0.88	0.0	7.17e-05	-1.45e-06
3199	28	0.05	-0.57	-0.90	0.0	7.08e-05	-1.20e-06
3199	44	0.05	-0.91	-0.79	0.0	6.21e-05	0.0
3199	68	0.04	0.33	-0.62	0.0	5.04e-05	0.0
3199	80	0.04	-0.38	-0.63	0.0	4.98e-05	0.0
3199	88	0.03	-0.61	-0.55	0.0	4.40e-05	0.0
3199	98	0.03	-0.02	-0.51	0.0	4.15e-05	0.0
3199	105	0.03	-0.14	-0.49	0.0	3.96e-05	0.0
3199	107	0.03	-0.02	-0.49	0.0	3.96e-05	0.0
3199	113	3.49	-2.73	-0.52	0.0	1.27e-03	-3.24e-04
3199	129	-0.64	-5.30	-0.55	0.0	-2.11e-04	-2.41e-04
3199	145	3.92	-3.07	-0.52	0.0	1.43e-03	-3.65e-04
3199	161	-0.72	-5.96	-0.55	0.0	-2.42e-04	-2.72e-04
3199	177	3.82	-3.02	-0.52	0.0	1.38e-03	-3.63e-04
3199	193	-0.71	-5.91	-0.55	0.0	-2.38e-04	-2.78e-04
3199	209	4.43	-3.52	-0.52	0.0	1.59e-03	-4.25e-04
3199	225	-0.81	-6.90	-0.56	0.0	-2.79e-04	-3.33e-04
3200	4	0.09	0.50	-0.94	0.0	7.12e-05	-3.77e-06
3200	28	0.09	-0.66	-0.96	0.0	7.04e-05	-3.42e-06
3200	44	0.08	-1.03	-0.84	0.0	6.17e-05	-2.52e-06
3200	68	0.06	0.33	-0.66	0.0	5.00e-05	-2.63e-06
3200	80	0.06	-0.44	-0.67	0.0	4.95e-05	-2.39e-06
3200	88	0.06	-0.69	-0.59	0.0	4.37e-05	-1.79e-06
3200	98	0.05	-0.05	-0.55	0.0	4.12e-05	-2.23e-06
3200	105	0.05	-0.17	-0.52	0.0	3.93e-05	-1.99e-06

3200	107	0.05	-0.04	-0.52	0.0	3.93e-05	-2.10e-06
3200	113	4.14	-2.97	-0.55	0.0	1.23e-03	-3.50e-04
3200	129	-0.75	-5.83	-0.59	0.0	-2.03e-04	-2.60e-04
3200	145	4.66	-3.34	-0.56	0.0	1.38e-03	-3.94e-04
3200	161	-0.85	-6.56	-0.60	0.0	-2.33e-04	-2.94e-04
3200	177	4.54	-3.29	-0.56	0.0	1.34e-03	-3.92e-04
3200	193	-0.83	-6.50	-0.59	0.0	-2.30e-04	-3.00e-04
3200	209	5.26	-3.83	-0.56	0.0	1.54e-03	-4.59e-04
3200	225	-0.95	-7.59	-0.61	0.0	-2.69e-04	-3.58e-04
3201	4	0.13	0.51	-0.99	0.0	7.07e-05	-5.59e-06
3201	28	0.13	-0.74	-1.02	0.0	7.00e-05	-5.19e-06
3201	44	0.11	-1.14	-0.89	0.0	6.15e-05	-4.04e-06
3201	68	0.09	0.34	-0.70	0.0	4.97e-05	-3.91e-06
3201	80	0.09	-0.50	-0.71	0.0	4.92e-05	-3.64e-06
3201	88	0.08	-0.77	-0.63	0.0	4.35e-05	-2.87e-06
3201	98	0.07	-0.07	-0.58	0.0	4.10e-05	-3.29e-06
3201	105	0.07	-0.21	-0.55	0.0	3.91e-05	-2.99e-06
3201	107	0.07	-0.07	-0.55	0.0	3.90e-05	-3.12e-06
3201	113	4.77	-3.22	-0.58	0.0	1.17e-03	-3.74e-04
3201	129	-0.85	-6.36	-0.62	0.0	-1.92e-04	-2.78e-04
3201	145	5.36	-3.61	-0.59	0.0	1.31e-03	-4.20e-04
3201	161	-0.97	-7.16	-0.63	0.0	-2.21e-04	-3.14e-04
3201	177	5.22	-3.56	-0.59	0.0	1.27e-03	-4.18e-04
3201	193	-0.95	-7.09	-0.63	0.0	-2.17e-04	-3.20e-04
3201	209	6.04	-4.13	-0.59	0.0	1.47e-03	-4.89e-04
3201	225	-1.09	-8.27	-0.65	0.0	-2.54e-04	-3.83e-04
3202	4	0.17	0.52	-1.05	0.0	7.06e-05	-6.59e-06
3202	28	0.16	-0.82	-1.07	0.0	7.01e-05	-6.20e-06
3202	44	0.15	-1.25	-0.94	0.0	6.16e-05	-4.93e-06
3202	68	0.12	0.34	-0.73	0.0	4.96e-05	-4.62e-06
3202	80	0.12	-0.55	-0.75	0.0	4.93e-05	-4.36e-06
3202	88	0.10	-0.84	-0.66	0.0	4.36e-05	-3.51e-06
3202	98	0.10	-0.09	-0.61	0.0	4.10e-05	-3.91e-06
3202	105	0.09	-0.24	-0.58	0.0	3.91e-05	-3.58e-06
3202	107	0.09	-0.09	-0.58	0.0	3.90e-05	-3.71e-06
3202	113	5.37	-3.46	-0.62	0.0	1.10e-03	-3.93e-04
3202	129	-0.95	-6.89	-0.66	0.0	-1.80e-04	-2.95e-04
3202	145	6.03	-3.88	-0.62	0.0	1.24e-03	-4.43e-04
3202	161	-1.08	-7.75	-0.67	0.0	-2.07e-04	-3.33e-04
3202	177	5.87	-3.82	-0.62	0.0	1.20e-03	-4.40e-04
3202	193	-1.06	-7.68	-0.67	0.0	-2.03e-04	-3.39e-04
3202	209	6.79	-4.43	-0.63	0.0	1.38e-03	-5.14e-04
3202	225	-1.22	-8.95	-0.68	0.0	-2.38e-04	-4.05e-04
3203	4	0.05	0.50	-0.95	0.0	6.89e-05	-3.00e-06
3203	28	0.05	-0.56	-0.99	0.0	6.81e-05	-2.67e-06
3203	44	0.05	-0.91	-0.87	0.0	5.98e-05	-1.85e-06
3203	68	0.04	0.33	-0.67	0.0	4.84e-05	-2.07e-06
3203	80	0.04	-0.38	-0.69	0.0	4.79e-05	-1.86e-06
3203	88	0.03	-0.61	-0.61	0.0	4.23e-05	-1.31e-06
3203	98	0.03	-0.02	-0.56	0.0	3.99e-05	-1.77e-06
3203	105	0.03	-0.14	-0.54	0.0	3.81e-05	-1.55e-06
3203	107	0.03	-0.02	-0.53	0.0	3.80e-05	-1.67e-06
3203	113	3.39	-2.73	-0.59	0.0	1.26e-03	-3.26e-04
3203	129	-0.66	-5.30	-0.65	0.0	-2.15e-04	-2.40e-04
3203	145	3.81	-3.07	-0.60	0.0	1.41e-03	-3.67e-04
3203	161	-0.75	-5.96	-0.67	0.0	-2.47e-04	-2.71e-04
3203	177	3.70	-3.02	-0.59	0.0	1.36e-03	-3.65e-04
3203	193	-0.74	-5.91	-0.67	0.0	-2.44e-04	-2.77e-04
3203	209	4.28	-3.52	-0.60	0.0	1.57e-03	-4.28e-04
3203	225	-0.85	-6.91	-0.69	0.0	-2.86e-04	-3.31e-04
3204	4	0.09	0.50	-1.02	0.0	6.88e-05	-6.50e-06
3204	28	0.09	-0.66	-1.06	0.0	6.81e-05	-6.07e-06
3204	44	0.08	-1.03	-0.93	0.0	5.98e-05	-4.77e-06
3204	68	0.06	0.33	-0.71	0.0	4.84e-05	-4.53e-06
3204	80	0.06	-0.44	-0.74	0.0	4.79e-05	-4.24e-06
3204	88	0.06	-0.69	-0.66	0.0	4.23e-05	-3.37e-06
3204	98	0.05	-0.05	-0.60	0.0	3.99e-05	-3.78e-06
3204	105	0.05	-0.17	-0.58	0.0	3.80e-05	-3.45e-06
3204	107	0.05	-0.04	-0.57	0.0	3.80e-05	-3.58e-06
3204	113	4.04	-2.97	-0.63	0.0	1.22e-03	-3.53e-04
3204	129	-0.78	-5.83	-0.71	0.0	-2.08e-04	-2.58e-04
3204	145	4.54	-3.34	-0.64	0.0	1.36e-03	-3.98e-04
3204	161	-0.88	-6.56	-0.72	0.0	-2.39e-04	-2.91e-04
3204	177	4.41	-3.29	-0.64	0.0	1.32e-03	-3.97e-04
3204	193	-0.86	-6.51	-0.72	0.0	-2.35e-04	-2.98e-04

3204	209	5.09	-3.83	-0.65	0.0	1.52e-03	-4.65e-04
3204	225	-1.00	-7.59	-0.74	0.0	-2.76e-04	-3.56e-04
3205	4	0.13	0.51	-1.08	0.0	6.91e-05	-8.66e-06
3205	28	0.12	-0.74	-1.12	0.0	6.84e-05	-8.19e-06
3205	44	0.11	-1.15	-0.99	0.0	6.01e-05	-6.60e-06
3205	68	0.09	0.34	-0.75	0.0	4.85e-05	-6.05e-06
3205	80	0.09	-0.50	-0.78	0.0	4.81e-05	-5.73e-06
3205	88	0.08	-0.77	-0.70	0.0	4.26e-05	-4.67e-06
3205	98	0.07	-0.07	-0.64	0.0	4.00e-05	-5.04e-06
3205	105	0.07	-0.21	-0.61	0.0	3.82e-05	-4.64e-06
3205	107	0.07	-0.07	-0.61	0.0	3.81e-05	-4.78e-06
3205	113	4.66	-3.22	-0.67	0.0	1.16e-03	-3.78e-04
3205	129	-0.88	-6.37	-0.75	0.0	-1.97e-04	-2.75e-04
3205	145	5.24	-3.61	-0.68	0.0	1.30e-03	-4.25e-04
3205	161	-1.00	-7.16	-0.77	0.0	-2.27e-04	-3.11e-04
3205	177	5.08	-3.56	-0.68	0.0	1.26e-03	-4.24e-04
3205	193	-0.99	-7.09	-0.77	0.0	-2.23e-04	-3.18e-04
3205	209	5.87	-4.13	-0.69	0.0	1.45e-03	-4.97e-04
3205	225	-1.14	-8.27	-0.80	0.0	-2.62e-04	-3.80e-04
3206	4	0.16	0.52	-1.14	0.0	7.01e-05	-9.23e-06
3206	28	0.16	-0.82	-1.18	0.0	6.96e-05	-8.78e-06
3206	44	0.14	-1.25	-1.05	0.0	6.11e-05	-7.11e-06
3206	68	0.11	0.34	-0.80	0.0	4.93e-05	-6.45e-06
3206	80	0.11	-0.56	-0.83	0.0	4.89e-05	-6.15e-06
3206	88	0.10	-0.84	-0.74	0.0	4.32e-05	-5.04e-06
3206	98	0.09	-0.09	-0.67	0.0	4.06e-05	-5.41e-06
3206	105	0.09	-0.24	-0.64	0.0	3.87e-05	-4.99e-06
3206	107	0.09	-0.09	-0.64	0.0	3.87e-05	-5.14e-06
3206	113	5.25	-3.46	-0.71	0.0	1.11e-03	-3.98e-04
3206	129	-0.98	-6.89	-0.80	0.0	-1.86e-04	-2.91e-04
3206	145	5.90	-3.88	-0.72	0.0	1.24e-03	-4.47e-04
3206	161	-1.12	-7.75	-0.82	0.0	-2.14e-04	-3.29e-04
3206	177	5.72	-3.82	-0.72	0.0	1.20e-03	-4.46e-04
3206	193	-1.10	-7.68	-0.82	0.0	-2.11e-04	-3.36e-04
3206	209	6.61	-4.43	-0.73	0.0	1.38e-03	-5.22e-04
3206	225	-1.27	-8.95	-0.85	0.0	-2.48e-04	-4.02e-04
3207	4	0.05	0.50	-1.07	0.0	6.46e-05	-6.09e-06
3207	28	0.05	-0.57	-1.13	0.0	6.39e-05	-5.55e-06
3207	44	0.05	-0.92	-1.01	0.0	5.61e-05	-4.27e-06
3207	68	0.04	0.33	-0.75	0.0	4.54e-05	-4.23e-06
3207	80	0.04	-0.38	-0.79	0.0	4.49e-05	-3.88e-06
3207	88	0.03	-0.61	-0.71	0.0	3.98e-05	-3.02e-06
3207	98	0.03	-0.02	-0.64	0.0	3.74e-05	-3.51e-06
3207	105	0.03	-0.14	-0.62	0.0	3.57e-05	-3.18e-06
3207	107	0.03	-0.02	-0.61	0.0	3.57e-05	-3.32e-06
3207	113	3.29	-2.73	-0.71	0.0	1.23e-03	-3.31e-04
3207	129	-0.68	-5.30	-0.83	0.0	-2.17e-04	-2.39e-04
3207	145	3.70	-3.07	-0.72	0.0	1.38e-03	-3.72e-04
3207	161	-0.77	-5.96	-0.86	0.0	-2.49e-04	-2.70e-04
3207	177	3.58	-3.02	-0.72	0.0	1.33e-03	-3.71e-04
3207	193	-0.77	-5.91	-0.86	0.0	-2.46e-04	-2.77e-04
3207	209	4.13	-3.52	-0.74	0.0	1.53e-03	-4.36e-04
3207	225	-0.89	-6.91	-0.90	0.0	-2.88e-04	-3.32e-04
3208	4	0.09	0.50	-1.15	0.0	6.56e-05	-1.14e-05
3208	28	0.09	-0.66	-1.21	0.0	6.50e-05	-1.08e-05
3208	44	0.08	-1.04	-1.08	0.0	5.71e-05	-8.76e-06
3208	68	0.06	0.33	-0.81	0.0	4.61e-05	-7.96e-06
3208	80	0.06	-0.44	-0.85	0.0	4.57e-05	-7.53e-06
3208	88	0.05	-0.69	-0.76	0.0	4.04e-05	-6.20e-06
3208	98	0.05	-0.05	-0.69	0.0	3.80e-05	-6.58e-06
3208	105	0.05	-0.17	-0.66	0.0	3.63e-05	-6.09e-06
3208	107	0.05	-0.04	-0.66	0.0	3.62e-05	-6.24e-06
3208	113	3.93	-2.97	-0.77	0.0	1.19e-03	-3.66e-04
3208	129	-0.80	-5.84	-0.90	0.0	-2.10e-04	-2.59e-04
3208	145	4.42	-3.34	-0.78	0.0	1.34e-03	-4.11e-04
3208	161	-0.90	-6.56	-0.93	0.0	-2.41e-04	-2.92e-04
3208	177	4.27	-3.29	-0.78	0.0	1.29e-03	-4.12e-04
3208	193	-0.89	-6.51	-0.93	0.0	-2.38e-04	-3.00e-04
3208	209	4.92	-3.83	-0.80	0.0	1.49e-03	-4.83e-04
3208	225	-1.04	-7.59	-0.97	0.0	-2.79e-04	-3.60e-04
3209	4	0.12	0.51	-1.22	0.0	6.76e-05	-1.34e-05
3209	28	0.12	-0.75	-1.29	0.0	6.69e-05	-1.27e-05
3209	44	0.11	-1.15	-1.15	0.0	5.88e-05	-1.05e-05
3209	68	0.08	0.34	-0.86	0.0	4.75e-05	-9.32e-06
3209	80	0.08	-0.50	-0.90	0.0	4.70e-05	-8.90e-06

3209	88	0.08	-0.77	-0.81	0.0	4.16e-05	-7.39e-06
3209	98	0.07	-0.07	-0.73	0.0	3.91e-05	-7.72e-06
3209	105	0.07	-0.21	-0.70	0.0	3.73e-05	-7.16e-06
3209	107	0.07	-0.07	-0.70	0.0	3.73e-05	-7.32e-06
3209	113	4.54	-3.22	-0.82	0.0	1.15e-03	-3.91e-04
3209	129	-0.91	-6.37	-0.96	0.0	-2.01e-04	-2.76e-04
3209	145	5.10	-3.61	-0.83	0.0	1.29e-03	-4.40e-04
3209	161	-1.03	-7.16	-1.00	0.0	-2.31e-04	-3.12e-04
3209	177	4.93	-3.56	-0.83	0.0	1.25e-03	-4.41e-04
3209	193	-1.02	-7.10	-0.99	0.0	-2.29e-04	-3.20e-04
3209	209	5.68	-4.13	-0.85	0.0	1.43e-03	-5.17e-04
3209	225	-1.18	-8.28	-1.04	0.0	-2.68e-04	-3.83e-04
3210	4	0.16	0.52	-1.29	0.0	7.04e-05	-1.23e-05
3210	28	0.16	-0.83	-1.36	0.0	6.98e-05	-1.18e-05
3210	44	0.14	-1.25	-1.22	0.0	6.13e-05	-9.66e-06
3210	68	0.11	0.34	-0.90	0.0	4.94e-05	-8.62e-06
3210	80	0.11	-0.56	-0.95	0.0	4.90e-05	-8.25e-06
3210	88	0.10	-0.84	-0.86	0.0	4.34e-05	-6.83e-06
3210	98	0.09	-0.09	-0.77	0.0	4.07e-05	-7.17e-06
3210	105	0.09	-0.24	-0.74	0.0	3.88e-05	-6.64e-06
3210	107	0.09	-0.09	-0.74	0.0	3.88e-05	-6.80e-06
3210	113	5.13	-3.46	-0.87	0.0	1.11e-03	-4.06e-04
3210	129	-1.01	-6.89	-1.02	0.0	-1.93e-04	-2.90e-04
3210	145	5.76	-3.88	-0.88	0.0	1.25e-03	-4.57e-04
3210	161	-1.15	-7.75	-1.06	0.0	-2.23e-04	-3.28e-04
3210	177	5.57	-3.82	-0.88	0.0	1.21e-03	-4.57e-04
3210	193	-1.13	-7.68	-1.06	0.0	-2.20e-04	-3.36e-04
3210	209	6.42	-4.44	-0.90	0.0	1.39e-03	-5.35e-04
3210	225	-1.32	-8.95	-1.11	0.0	-2.59e-04	-4.02e-04
3211	28	0.05	-0.57	-1.37	0.0	5.74e-05	-1.07e-05
3211	44	0.04	-0.92	-1.24	0.0	5.06e-05	-8.56e-06
3211	80	0.03	-0.38	-0.96	0.0	4.04e-05	-7.53e-06
3211	88	0.03	-0.61	-0.87	0.0	3.59e-05	-6.07e-06
3211	98	0.03	-0.02	-0.78	0.0	3.36e-05	-6.73e-06
3211	105	0.03	-0.14	-0.75	0.0	3.21e-05	-6.17e-06
3211	107	0.03	-0.02	-0.74	0.0	3.20e-05	-6.38e-06
3211	113	3.20	-2.73	-0.93	0.0	1.17e-03	-3.44e-04
3211	129	-0.70	-5.30	-1.16	0.0	-2.13e-04	-2.43e-04
3211	145	3.59	-3.07	-0.95	0.0	1.31e-03	-3.87e-04
3211	161	-0.79	-5.97	-1.21	0.0	-2.43e-04	-2.74e-04
3211	177	3.45	-3.03	-0.95	0.0	1.26e-03	-3.88e-04
3211	193	-0.79	-5.92	-1.20	0.0	-2.41e-04	-2.82e-04
3211	209	3.98	-3.52	-0.98	0.0	1.45e-03	-4.55e-04
3211	225	-0.92	-6.91	-1.28	0.0	-2.82e-04	-3.37e-04
3212	4	0.08	0.50	-1.41	0.0	6.17e-05	-1.92e-05
3212	28	0.08	-0.66	-1.52	0.0	6.11e-05	-1.82e-05
3212	44	0.07	-1.04	-1.38	0.0	5.38e-05	-1.51e-05
3212	68	0.06	0.33	-1.00	0.0	4.34e-05	-1.34e-05
3212	80	0.06	-0.44	-1.07	0.0	4.30e-05	-1.27e-05
3212	88	0.05	-0.69	-0.97	0.0	3.81e-05	-1.07e-05
3212	98	0.05	-0.05	-0.87	0.0	3.57e-05	-1.10e-05
3212	105	0.04	-0.17	-0.84	0.0	3.41e-05	-1.03e-05
3212	107	0.04	-0.05	-0.83	0.0	3.41e-05	-1.05e-05
3212	113	3.80	-2.98	-1.03	0.0	1.15e-03	-3.94e-04
3212	129	-0.81	-5.84	-1.28	0.0	-2.09e-04	-2.70e-04
3212	145	4.27	-3.34	-1.06	0.0	1.29e-03	-4.42e-04
3212	161	-0.92	-6.56	-1.34	0.0	-2.39e-04	-3.04e-04
3212	177	4.11	-3.30	-1.05	0.0	1.25e-03	-4.44e-04
3212	193	-0.92	-6.51	-1.33	0.0	-2.37e-04	-3.13e-04
3212	209	4.73	-3.83	-1.09	0.0	1.43e-03	-5.21e-04
3212	225	-1.06	-7.60	-1.41	0.0	-2.78e-04	-3.74e-04
3213	4	0.11	0.51	-1.52	0.0	6.72e-05	-1.97e-05
3213	28	0.11	-0.75	-1.63	0.0	6.65e-05	-1.87e-05
3213	44	0.10	-1.15	-1.47	0.0	5.85e-05	-1.56e-05
3213	68	0.08	0.34	-1.07	0.0	4.72e-05	-1.37e-05
3213	80	0.08	-0.50	-1.14	0.0	4.68e-05	-1.31e-05
3213	88	0.07	-0.77	-1.04	0.0	4.14e-05	-1.10e-05
3213	98	0.06	-0.07	-0.93	0.0	3.89e-05	-1.13e-05
3213	105	0.06	-0.21	-0.90	0.0	3.71e-05	-1.05e-05
3213	107	0.06	-0.07	-0.88	0.0	3.71e-05	-1.07e-05
3213	113	4.40	-3.22	-1.10	0.0	1.15e-03	-4.17e-04
3213	129	-0.92	-6.37	-1.37	0.0	-2.06e-04	-2.86e-04
3213	145	4.94	-3.61	-1.13	0.0	1.29e-03	-4.68e-04
3213	161	-1.05	-7.16	-1.43	0.0	-2.37e-04	-3.22e-04
3213	177	4.76	-3.56	-1.13	0.0	1.24e-03	-4.70e-04

3213	193	-1.04	-7.10	-1.43	0.0	-2.35e-04	-3.31e-04
3213	209	5.47	-4.14	-1.16	0.0	1.42e-03	-5.51e-04
3213	225	-1.21	-8.28	-1.52	0.0	-2.76e-04	-3.96e-04
3214	4	0.15	0.52	-1.60	0.0	7.27e-05	-1.52e-05
3214	28	0.15	-0.83	-1.72	0.0	7.20e-05	-1.45e-05
3214	44	0.13	-1.25	-1.55	0.0	6.32e-05	-1.19e-05
3214	68	0.10	0.34	-1.13	0.0	5.10e-05	-1.06e-05
3214	80	0.10	-0.56	-1.21	0.0	5.06e-05	-1.01e-05
3214	88	0.09	-0.84	-1.10	0.0	4.47e-05	-8.41e-06
3214	98	0.09	-0.09	-0.98	0.0	4.20e-05	-8.76e-06
3214	105	0.08	-0.24	-0.95	0.0	4.01e-05	-8.12e-06
3214	107	0.08	-0.09	-0.93	0.0	4.00e-05	-8.30e-06
3214	113	4.99	-3.46	-1.16	0.0	1.14e-03	-4.16e-04
3214	129	-1.03	-6.89	-1.45	0.0	-2.04e-04	-2.92e-04
3214	145	5.61	-3.88	-1.19	0.0	1.28e-03	-4.68e-04
3214	161	-1.17	-7.75	-1.51	0.0	-2.35e-04	-3.29e-04
3214	177	5.40	-3.82	-1.19	0.0	1.23e-03	-4.68e-04
3214	193	-1.16	-7.68	-1.51	0.0	-2.33e-04	-3.38e-04
3214	209	6.21	-4.44	-1.23	0.0	1.42e-03	-5.50e-04
3214	225	-1.35	-8.95	-1.60	0.0	-2.74e-04	-4.05e-04
3215	4	0.21	0.53	-1.07	0.0	7.14e-05	-4.33e-06
3215	44	0.18	-1.34	-0.91	0.0	6.29e-05	-3.21e-06
3215	68	0.15	0.34	-0.75	0.0	5.02e-05	-3.05e-06
3215	88	0.13	-0.90	-0.64	0.0	4.45e-05	-2.30e-06
3215	98	0.12	-0.11	-0.61	0.0	4.17e-05	-2.66e-06
3215	105	0.12	-0.26	-0.57	0.0	3.99e-05	-2.42e-06
3215	107	0.12	-0.10	-0.58	0.0	3.98e-05	-2.54e-06
3215	113	6.22	-3.68	-0.58	0.0	1.01e-03	-4.10e-04
3215	124	4.01	6.14	-0.63	0.0	6.79e-04	3.60e-05
3215	129	-0.91	-7.39	-0.53	0.0	-1.47e-04	-3.23e-04
3215	145	6.99	-4.13	-0.58	0.0	1.13e-03	-4.62e-04
3215	156	4.49	6.93	-0.64	0.0	7.59e-04	4.14e-05
3215	161	-1.04	-8.31	-0.52	0.0	-1.70e-04	-3.65e-04
3215	177	6.87	-4.07	-0.58	0.0	1.11e-03	-4.55e-04
3215	188	4.41	6.85	-0.63	0.0	7.41e-04	4.38e-05
3215	193	-1.00	-8.23	-0.52	0.0	-1.65e-04	-3.69e-04
3215	209	7.98	-4.72	-0.58	0.0	1.28e-03	-5.31e-04
3215	220	5.11	7.99	-0.64	0.0	8.53e-04	5.49e-05
3215	225	-1.15	-9.60	-0.52	0.0	-1.94e-04	-4.40e-04
3216	4	0.24	0.53	-1.15	0.0	7.05e-05	-4.27e-06
3216	44	0.21	-1.43	-0.98	0.0	6.24e-05	-3.49e-06
3216	68	0.17	0.34	-0.80	0.0	4.96e-05	-3.02e-06
3216	88	0.15	-0.96	-0.69	0.0	4.42e-05	-2.50e-06
3216	98	0.14	-0.13	-0.65	0.0	4.13e-05	-2.78e-06
3216	105	0.14	-0.29	-0.62	0.0	3.95e-05	-2.55e-06
3216	107	0.14	-0.12	-0.62	0.0	3.94e-05	-2.66e-06
3216	113	6.70	-3.91	-0.62	0.0	9.58e-04	-4.17e-04
3216	124	4.33	6.54	-0.67	0.0	6.47e-04	4.06e-05
3216	129	-0.98	-7.88	-0.57	0.0	-1.39e-04	-3.34e-04
3216	145	7.53	-4.38	-0.62	0.0	1.07e-03	-4.69e-04
3216	156	4.86	7.37	-0.68	0.0	7.23e-04	4.66e-05
3216	161	-1.12	-8.85	-0.57	0.0	-1.61e-04	-3.77e-04
3216	177	7.40	-4.31	-0.62	0.0	1.05e-03	-4.61e-04
3216	188	4.77	7.29	-0.68	0.0	7.07e-04	4.88e-05
3216	193	-1.08	-8.77	-0.57	0.0	-1.56e-04	-3.80e-04
3216	209	8.59	-4.99	-0.62	0.0	1.21e-03	-5.36e-04
3216	220	5.52	8.51	-0.69	0.0	8.14e-04	6.08e-05
3216	225	-1.24	-10.22	-0.56	0.0	-1.83e-04	-4.52e-04
3217	4	0.28	0.51	-1.30	0.0	7.45e-05	-3.44e-06
3217	44	0.24	-1.54	-1.11	0.0	5.02e-05	-4.80e-06
3217	68	0.20	0.33	-0.91	0.0	5.14e-05	-2.49e-06
3217	88	0.17	-1.04	-0.78	0.0	3.52e-05	-3.40e-06
3217	98	0.16	-0.16	-0.74	0.0	3.64e-05	-3.07e-06
3217	105	0.15	-0.33	-0.70	0.0	3.35e-05	-2.95e-06
3217	107	0.15	-0.15	-0.70	0.0	3.44e-05	-2.94e-06
3217	113	7.16	-4.11	-0.70	0.0	6.74e-04	-4.22e-04
3217	124	4.65	6.88	-0.75	0.0	4.49e-04	4.56e-05
3217	129	-1.05	-8.33	-0.65	0.0	-9.06e-05	-3.45e-04
3217	145	8.05	-4.61	-0.70	0.0	7.54e-04	-4.75e-04
3217	156	5.21	7.76	-0.76	0.0	5.01e-04	5.21e-05
3217	161	-1.20	-9.35	-0.65	0.0	-1.06e-04	-3.89e-04
3217	177	7.90	-4.53	-0.70	0.0	7.32e-04	-4.66e-04
3217	188	5.11	7.68	-0.76	0.0	4.87e-04	5.42e-05
3217	193	-1.16	-9.27	-0.65	0.0	-1.04e-04	-3.91e-04
3217	209	9.18	-5.25	-0.70	0.0	8.43e-04	-5.41e-04

3217	220	5.92	8.97	-0.77	0.0	5.58e-04	6.70e-05
3217	225	-1.33	-10.79	-0.64	0.0	-1.24e-04	-4.64e-04
3218	4	0.21	0.53	-1.03	0.0	7.12e-05	-4.34e-06
3218	44	0.18	-1.34	-0.89	0.0	6.24e-05	-3.18e-06
3218	68	0.15	0.34	-0.72	0.0	5.00e-05	-3.06e-06
3218	88	0.13	-0.90	-0.63	0.0	4.42e-05	-2.29e-06
3218	98	0.12	-0.11	-0.59	0.0	4.15e-05	-2.67e-06
3218	105	0.11	-0.26	-0.56	0.0	3.96e-05	-2.43e-06
3218	107	0.11	-0.11	-0.56	0.0	3.95e-05	-2.55e-06
3218	113	6.11	-3.68	-0.56	0.0	1.03e-03	-4.08e-04
3218	124	3.98	6.14	-0.58	0.0	6.92e-04	3.41e-05
3218	129	-0.96	-7.39	-0.54	0.0	-1.55e-04	-3.19e-04
3218	145	6.86	-4.13	-0.56	0.0	1.15e-03	-4.59e-04
3218	156	4.46	6.92	-0.58	0.0	7.73e-04	3.93e-05
3218	161	-1.09	-8.31	-0.54	0.0	-1.79e-04	-3.60e-04
3218	177	6.72	-4.07	-0.56	0.0	1.12e-03	-4.53e-04
3218	188	4.36	6.85	-0.58	0.0	7.54e-04	4.17e-05
3218	193	-1.06	-8.23	-0.54	0.0	-1.74e-04	-3.64e-04
3218	209	7.80	-4.72	-0.56	0.0	1.30e-03	-5.29e-04
3218	220	5.05	7.99	-0.58	0.0	8.68e-04	5.24e-05
3218	225	-1.21	-9.59	-0.54	0.0	-2.04e-04	-4.34e-04
3219	4	0.24	0.53	-1.11	0.0	7.07e-05	-4.23e-06
3219	44	0.21	-1.44	-0.96	0.0	6.21e-05	-3.38e-06
3219	68	0.17	0.34	-0.77	0.0	4.97e-05	-3.00e-06
3219	88	0.15	-0.97	-0.67	0.0	4.40e-05	-2.43e-06
3219	98	0.14	-0.13	-0.63	0.0	4.12e-05	-2.76e-06
3219	105	0.13	-0.29	-0.60	0.0	3.94e-05	-2.52e-06
3219	107	0.13	-0.13	-0.60	0.0	3.93e-05	-2.63e-06
3219	113	6.60	-3.90	-0.60	0.0	9.79e-04	-4.17e-04
3219	124	4.31	6.53	-0.62	0.0	6.63e-04	3.87e-05
3219	129	-1.03	-7.87	-0.58	0.0	-1.47e-04	-3.31e-04
3219	145	7.42	-4.38	-0.60	0.0	1.10e-03	-4.69e-04
3219	156	4.83	7.37	-0.62	0.0	7.41e-04	4.44e-05
3219	161	-1.17	-8.85	-0.58	0.0	-1.70e-04	-3.74e-04
3219	177	7.26	-4.31	-0.60	0.0	1.07e-03	-4.62e-04
3219	188	4.73	7.28	-0.62	0.0	7.23e-04	4.67e-05
3219	193	-1.14	-8.77	-0.58	0.0	-1.65e-04	-3.77e-04
3219	209	8.42	-4.99	-0.60	0.0	1.24e-03	-5.38e-04
3219	220	5.47	8.50	-0.62	0.0	8.32e-04	5.83e-05
3219	225	-1.31	-10.21	-0.58	0.0	-1.94e-04	-4.49e-04
3220	4	0.28	0.51	-1.26	2.24e-04	7.91e-05	-3.47e-06
3220	44	0.24	-1.54	-1.09	2.52e-04	3.52e-05	-3.33e-06
3220	68	0.19	0.33	-0.88	1.60e-04	5.41e-05	-2.49e-06
3220	88	0.17	-1.04	-0.76	1.78e-04	2.49e-05	-2.40e-06
3220	98	0.16	-0.16	-0.71	1.49e-04	3.23e-05	-2.60e-06
3220	105	0.15	-0.33	-0.68	1.48e-04	2.83e-05	-2.40e-06
3220	107	0.15	-0.15	-0.68	1.43e-04	3.05e-05	-2.49e-06
3220	113	7.07	-4.11	-0.68	2.11e-04	6.73e-04	-4.26e-04
3220	124	4.63	6.88	-0.70	4.20e-06	4.58e-04	4.27e-05
3220	129	-1.10	-8.33	-0.66	2.99e-04	-1.06e-04	-3.42e-04
3220	145	7.95	-4.61	-0.68	2.19e-04	7.54e-04	-4.79e-04
3220	156	5.19	7.76	-0.70	-1.32e-05	5.11e-04	4.89e-05
3220	161	-1.26	-9.35	-0.66	3.19e-04	-1.24e-04	-3.86e-04
3220	177	7.78	-4.53	-0.68	2.17e-04	7.30e-04	-4.71e-04
3220	188	5.08	7.68	-0.70	-1.15e-05	4.95e-04	5.10e-05
3220	193	-1.22	-9.27	-0.66	3.17e-04	-1.22e-04	-3.89e-04
3220	209	9.02	-5.25	-0.68	2.29e-04	8.39e-04	-5.48e-04
3220	220	5.87	8.97	-0.70	-3.69e-05	5.68e-04	6.33e-05
3220	225	-1.41	-10.79	-0.65	3.45e-04	-1.45e-04	-4.63e-04
3221	4	0.20	0.52	-1.06	0.0	7.10e-05	-5.10e-06
3221	28	0.20	-0.89	-1.07	0.0	7.06e-05	-4.83e-06
3221	44	0.18	-1.34	-0.93	0.0	6.21e-05	-3.79e-06
3221	68	0.14	0.34	-0.74	0.0	4.99e-05	-3.59e-06
3221	80	0.14	-0.60	-0.75	0.0	4.97e-05	-3.41e-06
3221	88	0.13	-0.90	-0.65	0.0	4.40e-05	-2.72e-06
3221	98	0.12	-0.11	-0.61	0.0	4.13e-05	-3.12e-06
3221	105	0.11	-0.26	-0.58	0.0	3.94e-05	-2.85e-06
3221	107	0.11	-0.11	-0.58	0.0	3.93e-05	-2.98e-06
3221	113	6.00	-3.68	-0.59	0.0	1.04e-03	-4.07e-04
3221	129	-1.00	-7.39	-0.61	0.0	-1.62e-04	-3.14e-04
3221	133	3.96	-6.89	-0.61	0.0	7.01e-04	3.18e-05
3221	145	6.74	-4.13	-0.60	0.0	1.16e-03	-4.58e-04
3221	161	-1.14	-8.30	-0.61	0.0	-1.87e-04	-3.55e-04
3221	165	4.44	-7.74	-0.61	0.0	7.84e-04	3.68e-05
3221	177	6.59	-4.07	-0.60	0.0	1.13e-03	-4.53e-04

3221	193	-1.11	-8.23	-0.61	0.0	-1.83e-04	-3.60e-04
3221	197	4.34	-7.60	-0.61	0.0	7.64e-04	3.95e-05
3221	209	7.63	-4.72	-0.60	0.0	1.31e-03	-5.29e-04
3221	225	-1.28	-9.59	-0.62	0.0	-2.14e-04	-4.29e-04
3221	233	4.52	-8.88	-0.62	0.0	7.95e-04	3.22e-05
3222	4	0.24	0.52	-1.14	0.0	7.10e-05	-4.75e-06
3222	28	0.24	-0.97	-1.15	0.0	7.06e-05	-4.66e-06
3222	44	0.21	-1.44	-1.01	0.0	6.21e-05	-3.67e-06
3222	68	0.17	0.34	-0.80	0.0	4.99e-05	-3.36e-06
3222	80	0.17	-0.66	-0.80	0.0	4.96e-05	-3.30e-06
3222	88	0.15	-0.97	-0.71	0.0	4.40e-05	-2.64e-06
3222	98	0.14	-0.13	-0.66	0.0	4.13e-05	-3.03e-06
3222	105	0.13	-0.29	-0.62	0.0	3.94e-05	-2.77e-06
3222	107	0.13	-0.13	-0.62	0.0	3.93e-05	-2.90e-06
3222	113	6.50	-3.90	-0.64	0.0	9.93e-04	-4.18e-04
3222	129	-1.08	-7.87	-0.65	0.0	-1.54e-04	-3.28e-04
3222	133	4.30	-7.33	-0.65	0.0	6.74e-04	3.69e-05
3222	145	7.30	-4.38	-0.64	0.0	1.11e-03	-4.70e-04
3222	161	-1.23	-8.84	-0.66	0.0	-1.78e-04	-3.70e-04
3222	165	4.82	-8.23	-0.66	0.0	7.53e-04	4.25e-05
3222	177	7.13	-4.31	-0.64	0.0	1.08e-03	-4.64e-04
3222	193	-1.20	-8.76	-0.66	0.0	-1.74e-04	-3.74e-04
3222	197	4.71	-8.08	-0.66	0.0	7.34e-04	4.52e-05
3222	209	8.26	-4.99	-0.65	0.0	1.25e-03	-5.41e-04
3222	225	-1.38	-10.21	-0.66	0.0	-2.04e-04	-4.46e-04
3222	233	4.90	-9.43	-0.66	0.0	7.68e-04	3.74e-05
3223	4	0.28	0.51	-1.30	2.15e-04	8.56e-05	-3.70e-06
3223	28	0.27	-1.05	-1.32	2.56e-04	4.33e-05	-3.99e-06
3223	44	0.24	-1.54	-1.15	2.46e-04	2.58e-05	-3.17e-06
3223	68	0.19	0.33	-0.91	1.54e-04	5.83e-05	-2.65e-06
3223	80	0.19	-0.71	-0.92	1.81e-04	3.01e-05	-2.84e-06
3223	88	0.17	-1.04	-0.81	1.75e-04	1.84e-05	-2.30e-06
3223	98	0.16	-0.16	-0.75	1.45e-04	3.08e-05	-2.62e-06
3223	105	0.15	-0.33	-0.71	1.44e-04	2.58e-05	-2.40e-06
3223	107	0.15	-0.15	-0.71	1.40e-04	2.90e-05	-2.52e-06
3223	113	6.98	-4.11	-0.73	2.13e-04	6.81e-04	-4.27e-04
3223	129	-1.15	-8.33	-0.74	3.09e-04	-1.17e-04	-3.41e-04
3223	133	4.63	-7.74	-0.74	2.93e-04	4.48e-04	4.27e-05
3223	145	7.84	-4.61	-0.73	2.22e-04	7.62e-04	-4.81e-04
3223	161	-1.31	-9.35	-0.75	3.30e-04	-1.36e-04	-3.85e-04
3223	165	5.19	-8.69	-0.75	3.13e-04	5.00e-04	4.90e-05
3223	177	7.66	-4.53	-0.73	2.20e-04	7.36e-04	-4.73e-04
3223	193	-1.28	-9.27	-0.75	3.28e-04	-1.35e-04	-3.88e-04
3223	197	5.06	-8.53	-0.75	3.09e-04	4.83e-04	5.17e-05
3223	209	8.87	-5.25	-0.73	2.33e-04	8.46e-04	-5.51e-04
3223	225	-1.48	-10.79	-0.75	3.59e-04	-1.60e-04	-4.62e-04
3223	233	5.28	-9.96	-0.75	3.38e-04	4.82e-04	4.38e-05
3224	4	0.20	0.52	-1.11	0.0	7.11e-05	-6.58e-06
3224	28	0.20	-0.90	-1.13	0.0	7.06e-05	-6.26e-06
3224	44	0.18	-1.34	-1.00	0.0	6.20e-05	-4.99e-06
3224	68	0.14	0.34	-0.78	0.0	4.99e-05	-4.62e-06
3224	80	0.14	-0.60	-0.79	0.0	4.96e-05	-4.41e-06
3224	88	0.12	-0.90	-0.70	0.0	4.39e-05	-3.56e-06
3224	98	0.12	-0.11	-0.65	0.0	4.12e-05	-3.97e-06
3224	105	0.11	-0.26	-0.62	0.0	3.93e-05	-3.64e-06
3224	107	0.11	-0.11	-0.61	0.0	3.93e-05	-3.78e-06
3224	113	5.90	-3.68	-0.65	0.0	1.05e-03	-4.08e-04
3224	129	-1.04	-7.39	-0.70	0.0	-1.69e-04	-3.10e-04
3224	145	6.63	-4.13	-0.66	0.0	1.17e-03	-4.59e-04
3224	161	-1.18	-8.30	-0.71	0.0	-1.95e-04	-3.50e-04
3224	177	6.45	-4.07	-0.66	0.0	1.14e-03	-4.55e-04
3224	193	-1.16	-8.23	-0.71	0.0	-1.92e-04	-3.55e-04
3224	209	7.46	-4.72	-0.66	0.0	1.31e-03	-5.32e-04
3224	225	-1.34	-9.59	-0.72	0.0	-2.25e-04	-4.24e-04
3225	4	0.24	0.52	-1.20	0.0	7.16e-05	-5.69e-06
3225	28	0.24	-0.97	-1.22	0.0	7.12e-05	-5.47e-06
3225	44	0.21	-1.44	-1.08	0.0	6.26e-05	-4.33e-06
3225	68	0.17	0.34	-0.84	0.0	5.03e-05	-4.02e-06
3225	80	0.17	-0.66	-0.86	0.0	5.00e-05	-3.87e-06
3225	88	0.15	-0.97	-0.76	0.0	4.43e-05	-3.11e-06
3225	98	0.14	-0.13	-0.70	0.0	4.16e-05	-3.54e-06
3225	105	0.13	-0.29	-0.66	0.0	3.97e-05	-3.24e-06
3225	107	0.13	-0.13	-0.66	0.0	3.96e-05	-3.38e-06
3225	113	6.40	-3.90	-0.70	0.0	1.01e-03	-4.19e-04
3225	129	-1.12	-7.87	-0.75	0.0	-1.61e-04	-3.25e-04

3225	145	7.19	-4.38	-0.71	0.0	1.13e-03	-4.71e-04
3225	161	-1.28	-8.84	-0.76	0.0	-1.86e-04	-3.67e-04
3225	177	7.00	-4.31	-0.71	0.0	1.10e-03	-4.66e-04
3225	193	-1.25	-8.76	-0.76	0.0	-1.83e-04	-3.71e-04
3225	209	8.09	-4.99	-0.72	0.0	1.26e-03	-5.44e-04
3225	225	-1.45	-10.21	-0.78	0.0	-2.15e-04	-4.43e-04
3226	4	0.27	0.51	-1.37	2.56e-04	9.87e-05	-4.00e-06
3226	28	0.27	-1.05	-1.40	3.04e-04	3.41e-05	-4.00e-06
3226	44	0.24	-1.54	-1.23	2.92e-04	1.15e-05	-3.09e-06
3226	68	0.19	0.33	-0.96	1.83e-04	6.68e-05	-2.85e-06
3226	80	0.19	-0.71	-0.98	2.16e-04	2.38e-05	-2.85e-06
3226	88	0.17	-1.04	-0.87	2.07e-04	8.70e-06	-2.25e-06
3226	98	0.16	-0.16	-0.79	1.73e-04	2.93e-05	-2.70e-06
3226	105	0.15	-0.33	-0.76	1.72e-04	2.27e-05	-2.45e-06
3226	107	0.15	-0.15	-0.76	1.67e-04	2.75e-05	-2.59e-06
3226	113	6.89	-4.11	-0.80	2.59e-04	6.96e-04	-4.29e-04
3226	129	-1.20	-8.33	-0.85	3.78e-04	-1.33e-04	-3.39e-04
3226	145	7.74	-4.61	-0.81	2.70e-04	7.80e-04	-4.82e-04
3226	161	-1.37	-9.35	-0.86	4.04e-04	-1.54e-04	-3.83e-04
3226	177	7.53	-4.53	-0.80	2.68e-04	7.51e-04	-4.76e-04
3226	193	-1.34	-9.27	-0.86	4.01e-04	-1.53e-04	-3.87e-04
3226	209	8.71	-5.25	-0.81	2.84e-04	8.62e-04	-5.54e-04
3226	225	-1.55	-10.79	-0.88	4.40e-04	-1.81e-04	-4.61e-04
3227	4	0.20	0.52	-1.20	0.0	7.17e-05	-8.42e-06
3227	28	0.20	-0.90	-1.25	0.0	7.12e-05	-8.03e-06
3227	44	0.17	-1.35	-1.11	0.0	6.25e-05	-6.48e-06
3227	68	0.14	0.34	-0.84	0.0	5.03e-05	-5.90e-06
3227	80	0.14	-0.61	-0.87	0.0	5.00e-05	-5.64e-06
3227	88	0.12	-0.90	-0.78	0.0	4.42e-05	-4.61e-06
3227	98	0.11	-0.11	-0.71	0.0	4.15e-05	-5.00e-06
3227	105	0.11	-0.26	-0.68	0.0	3.96e-05	-4.61e-06
3227	107	0.11	-0.11	-0.68	0.0	3.96e-05	-4.76e-06
3227	113	5.79	-3.68	-0.75	0.0	1.06e-03	-4.11e-04
3227	129	-1.07	-7.39	-0.85	0.0	-1.78e-04	-3.06e-04
3227	145	6.50	-4.13	-0.76	0.0	1.19e-03	-4.62e-04
3227	161	-1.22	-8.30	-0.87	0.0	-2.05e-04	-3.46e-04
3227	177	6.31	-4.07	-0.76	0.0	1.15e-03	-4.60e-04
3227	193	-1.20	-8.23	-0.86	0.0	-2.02e-04	-3.52e-04
3227	209	7.28	-4.72	-0.77	0.0	1.33e-03	-5.38e-04
3227	225	-1.39	-9.59	-0.90	0.0	-2.37e-04	-4.21e-04
3228	4	0.23	0.52	-1.30	0.0	7.32e-05	-6.68e-06
3228	28	0.23	-0.97	-1.35	0.0	7.27e-05	-6.36e-06
3228	44	0.20	-1.44	-1.19	0.0	6.39e-05	-5.05e-06
3228	68	0.16	0.34	-0.91	0.0	5.14e-05	-4.70e-06
3228	80	0.16	-0.66	-0.94	0.0	5.11e-05	-4.49e-06
3228	88	0.14	-0.97	-0.84	0.0	4.52e-05	-3.62e-06
3228	98	0.14	-0.14	-0.77	0.0	4.24e-05	-4.07e-06
3228	105	0.13	-0.29	-0.73	0.0	4.04e-05	-3.73e-06
3228	107	0.13	-0.13	-0.73	0.0	4.04e-05	-3.88e-06
3228	113	6.31	-3.90	-0.81	0.0	1.03e-03	-4.20e-04
3228	129	-1.16	-7.87	-0.91	0.0	-1.71e-04	-3.22e-04
3228	145	7.08	-4.37	-0.82	0.0	1.16e-03	-4.73e-04
3228	161	-1.32	-8.84	-0.93	0.0	-1.98e-04	-3.64e-04
3228	177	6.87	-4.31	-0.82	0.0	1.12e-03	-4.69e-04
3228	193	-1.30	-8.76	-0.93	0.0	-1.95e-04	-3.69e-04
3228	209	7.93	-4.99	-0.83	0.0	1.29e-03	-5.48e-04
3228	225	-1.51	-10.20	-0.96	0.0	-2.29e-04	-4.40e-04
3229	4	0.27	0.51	-1.48	3.34e-04	1.16e-04	-4.04e-06
3229	28	0.27	-1.05	-1.54	3.94e-04	2.48e-05	-4.02e-06
3229	44	0.24	-1.54	-1.36	3.76e-04	-4.12e-06	-3.11e-06
3229	68	0.19	0.33	-1.04	2.40e-04	7.83e-05	-2.88e-06
3229	80	0.19	-0.71	-1.08	2.80e-04	1.74e-05	-2.87e-06
3229	88	0.17	-1.04	-0.96	2.67e-04	-1.92e-06	-2.27e-06
3229	98	0.16	-0.16	-0.87	2.25e-04	2.85e-05	-2.73e-06
3229	105	0.15	-0.33	-0.84	2.23e-04	1.98e-05	-2.48e-06
3229	107	0.15	-0.15	-0.83	2.17e-04	2.66e-05	-2.63e-06
3229	113	6.81	-4.11	-0.92	3.41e-04	7.13e-04	-4.29e-04
3229	129	-1.24	-8.33	-1.02	4.99e-04	-1.50e-04	-3.39e-04
3229	145	7.65	-4.61	-0.93	3.56e-04	7.99e-04	-4.83e-04
3229	161	-1.42	-9.35	-1.04	5.34e-04	-1.72e-04	-3.83e-04
3229	177	7.42	-4.53	-0.93	3.53e-04	7.67e-04	-4.76e-04
3229	193	-1.40	-9.27	-1.04	5.30e-04	-1.72e-04	-3.87e-04
3229	209	8.56	-5.25	-0.94	3.74e-04	8.79e-04	-5.55e-04
3229	225	-1.62	-10.79	-1.08	5.82e-04	-2.03e-04	-4.61e-04
3230	4	0.19	0.52	-1.36	0.0	7.34e-05	-9.86e-06

3230	28	0.19	-0.90	-1.44	0.0	7.28e-05	-9.40e-06
3230	44	0.17	-1.35	-1.29	0.0	6.39e-05	-7.60e-06
3230	68	0.14	0.34	-0.96	0.0	5.15e-05	-6.89e-06
3230	80	0.13	-0.61	-1.01	0.0	5.11e-05	-6.58e-06
3230	88	0.12	-0.91	-0.91	0.0	4.52e-05	-5.38e-06
3230	98	0.11	-0.11	-0.82	0.0	4.24e-05	-5.79e-06
3230	105	0.11	-0.27	-0.79	0.0	4.04e-05	-5.33e-06
3230	107	0.11	-0.11	-0.78	0.0	4.04e-05	-5.49e-06
3230	113	5.68	-3.68	-0.92	0.0	1.09e-03	-4.14e-04
3230	129	-1.10	-7.39	-1.09	0.0	-1.88e-04	-3.04e-04
3230	145	6.37	-4.13	-0.93	0.0	1.22e-03	-4.66e-04
3230	161	-1.26	-8.30	-1.12	0.0	-2.17e-04	-3.43e-04
3230	177	6.16	-4.07	-0.93	0.0	1.18e-03	-4.64e-04
3230	193	-1.24	-8.23	-1.12	0.0	-2.15e-04	-3.50e-04
3230	209	7.10	-4.72	-0.96	0.0	1.36e-03	-5.44e-04
3230	225	-1.44	-9.59	-1.18	0.0	-2.53e-04	-4.19e-04
3231	4	0.23	0.52	-1.47	0.0	7.58e-05	-7.06e-06
3231	28	0.23	-0.98	-1.55	0.0	7.52e-05	-6.68e-06
3231	44	0.20	-1.44	-1.39	0.0	6.60e-05	-5.26e-06
3231	68	0.16	0.34	-1.03	0.0	5.32e-05	-4.96e-06
3231	80	0.16	-0.66	-1.09	0.0	5.28e-05	-4.70e-06
3231	88	0.14	-0.97	-0.98	0.0	4.67e-05	-3.76e-06
3231	98	0.13	-0.14	-0.88	0.0	4.38e-05	-4.24e-06
3231	105	0.13	-0.30	-0.85	0.0	4.18e-05	-3.88e-06
3231	107	0.13	-0.13	-0.84	0.0	4.17e-05	-4.04e-06
3231	113	6.21	-3.90	-0.99	0.0	1.07e-03	-4.21e-04
3231	129	-1.20	-7.87	-1.16	0.0	-1.85e-04	-3.20e-04
3231	145	6.98	-4.37	-1.00	0.0	1.20e-03	-4.73e-04
3231	161	-1.36	-8.84	-1.20	0.0	-2.14e-04	-3.61e-04
3231	177	6.74	-4.30	-1.00	0.0	1.16e-03	-4.70e-04
3231	193	-1.35	-8.76	-1.20	0.0	-2.11e-04	-3.67e-04
3231	209	7.77	-4.99	-1.03	0.0	1.34e-03	-5.49e-04
3231	225	-1.57	-10.20	-1.26	0.0	-2.49e-04	-4.38e-04
3232	4	0.27	0.51	-1.67	4.34e-04	1.36e-04	-4.14e-06
3232	28	0.27	-1.06	-1.76	5.09e-04	1.70e-05	-4.04e-06
3232	44	0.24	-1.54	-1.57	4.84e-04	-1.86e-05	-3.07e-06
3232	68	0.19	0.33	-1.17	3.11e-04	9.09e-05	-2.95e-06
3232	80	0.19	-0.71	-1.23	3.61e-04	1.19e-05	-2.88e-06
3232	88	0.17	-1.04	-1.11	3.45e-04	-1.18e-05	-2.23e-06
3232	98	0.16	-0.16	-1.00	2.91e-04	2.85e-05	-2.73e-06
3232	105	0.15	-0.33	-0.96	2.89e-04	1.76e-05	-2.47e-06
3232	107	0.15	-0.16	-0.95	2.80e-04	2.64e-05	-2.62e-06
3232	113	6.74	-4.11	-1.10	4.47e-04	5.73e-04	-4.29e-04
3232	129	-1.29	-8.33	-1.29	6.59e-04	-1.66e-04	-3.39e-04
3232	145	7.57	-4.61	-1.12	4.67e-04	6.42e-04	-4.83e-04
3232	161	-1.47	-9.35	-1.33	7.06e-04	-1.91e-04	-3.83e-04
3232	177	7.32	-4.53	-1.12	4.63e-04	6.15e-04	-4.76e-04
3232	193	-1.45	-9.27	-1.33	7.01e-04	-1.91e-04	-3.86e-04
3232	209	8.43	-5.25	-1.15	4.92e-04	7.03e-04	-5.55e-04
3232	225	-1.69	-10.79	-1.39	7.71e-04	-2.26e-04	-4.60e-04
3233	4	0.19	0.52	-1.68	0.0	7.67e-05	-9.79e-06
3233	28	0.19	-0.90	-1.81	0.0	7.60e-05	-9.28e-06
3233	44	0.16	-1.35	-1.63	0.0	6.67e-05	-7.40e-06
3233	68	0.13	0.34	-1.19	0.0	5.38e-05	-6.81e-06
3233	80	0.13	-0.61	-1.27	0.0	5.34e-05	-6.47e-06
3233	88	0.12	-0.91	-1.15	0.0	4.71e-05	-5.22e-06
3233	98	0.11	-0.11	-1.03	0.0	4.43e-05	-5.67e-06
3233	105	0.10	-0.27	-0.99	0.0	4.22e-05	-5.20e-06
3233	107	0.10	-0.11	-0.98	0.0	4.21e-05	-5.37e-06
3233	113	5.56	-3.68	-1.22	0.0	1.14e-03	-4.13e-04
3233	129	-1.13	-7.39	-1.52	0.0	-2.02e-04	-3.02e-04
3233	145	6.24	-4.13	-1.25	0.0	1.27e-03	-4.64e-04
3233	161	-1.29	-8.30	-1.58	0.0	-2.33e-04	-3.41e-04
3233	177	6.02	-4.07	-1.24	0.0	1.23e-03	-4.63e-04
3233	193	-1.28	-8.23	-1.58	0.0	-2.31e-04	-3.48e-04
3233	209	6.92	-4.72	-1.29	0.0	1.41e-03	-5.42e-04
3233	225	-1.49	-9.59	-1.68	0.0	-2.73e-04	-4.17e-04
3234	4	0.23	0.52	-1.79	0.0	7.92e-05	-5.89e-06
3234	28	0.22	-0.98	-1.91	0.0	7.86e-05	-5.47e-06
3234	44	0.20	-1.45	-1.73	0.0	6.89e-05	-4.14e-06
3234	68	0.16	0.34	-1.26	0.0	5.56e-05	-4.11e-06
3234	80	0.16	-0.66	-1.34	0.0	5.51e-05	-3.83e-06
3234	88	0.14	-0.97	-1.22	0.0	4.87e-05	-2.94e-06
3234	98	0.13	-0.14	-1.09	0.0	4.57e-05	-3.50e-06
3234	105	0.12	-0.30	-1.05	0.0	4.36e-05	-3.14e-06

3234	107	0.12	-0.13	-1.04	0.0	4.35e-05	-3.31e-06
3234	113	6.12	-3.90	-1.29	0.0	1.13e-03	-4.18e-04
3234	129	-1.23	-7.87	-1.60	0.0	-2.00e-04	-3.19e-04
3234	145	6.88	-4.37	-1.32	0.0	1.26e-03	-4.70e-04
3234	161	-1.40	-8.84	-1.67	0.0	-2.31e-04	-3.60e-04
3234	177	6.62	-4.31	-1.31	0.0	1.22e-03	-4.66e-04
3234	193	-1.39	-8.76	-1.66	0.0	-2.30e-04	-3.66e-04
3234	209	7.62	-4.99	-1.36	0.0	1.40e-03	-5.45e-04
3234	225	-1.63	-10.20	-1.76	0.0	-2.71e-04	-4.37e-04
3235	4	0.27	0.50	-1.97	5.25e-04	1.51e-04	-4.40e-06
3235	28	0.26	-1.06	-2.10	6.16e-04	1.28e-05	-4.09e-06
3235	44	0.23	-1.54	-1.90	5.86e-04	-2.83e-05	-3.05e-06
3235	68	0.19	0.33	-1.39	3.76e-04	1.01e-04	-3.12e-06
3235	80	0.19	-0.71	-1.48	4.37e-04	8.80e-06	-2.92e-06
3235	88	0.17	-1.04	-1.34	4.17e-04	-1.86e-05	-2.22e-06
3235	98	0.15	-0.16	-1.20	3.53e-04	2.88e-05	-2.81e-06
3235	105	0.15	-0.33	-1.16	3.50e-04	1.62e-05	-2.52e-06
3235	107	0.15	-0.16	-1.14	3.40e-04	2.65e-05	-2.69e-06
3235	113	6.68	-4.11	-1.40	5.52e-04	5.85e-04	-4.29e-04
3235	129	-1.33	-8.33	-1.72	8.23e-04	-1.81e-04	-3.39e-04
3235	145	7.50	-4.61	-1.43	5.78e-04	6.55e-04	-4.83e-04
3235	161	-1.52	-9.35	-1.79	8.84e-04	-2.08e-04	-3.82e-04
3235	177	7.23	-4.54	-1.42	5.73e-04	6.26e-04	-4.77e-04
3235	193	-1.51	-9.27	-1.78	8.77e-04	-2.09e-04	-3.86e-04
3235	209	8.31	-5.25	-1.47	6.10e-04	7.15e-04	-5.56e-04
3235	225	-1.76	-10.79	-1.89	9.66e-04	-2.47e-04	-4.60e-04
3236	28	0.04	-0.57	-2.33	0.0	4.52e-05	-1.76e-05
3236	44	0.04	-0.92	-2.12	0.0	3.97e-05	-1.44e-05
3236	80	0.03	-0.38	-1.64	0.0	3.18e-05	-1.24e-05
3236	88	0.03	-0.62	-1.49	0.0	2.82e-05	-1.02e-05
3236	98	0.02	-0.02	-1.33	0.0	2.65e-05	-1.09e-05
3236	105	0.02	-0.14	-1.29	0.0	2.53e-05	-1.01e-05
3236	107	0.02	-0.02	-1.27	0.0	2.53e-05	-1.04e-05
3236	113	3.08	-2.73	-1.66	0.0	1.02e-03	-3.66e-04
3236	129	-0.71	-5.30	-2.15	0.0	-1.91e-04	-2.52e-04
3236	145	3.46	-3.07	-1.71	0.0	1.14e-03	-4.11e-04
3236	161	-0.81	-5.97	-2.26	0.0	-2.19e-04	-2.84e-04
3236	177	3.31	-3.03	-1.70	0.0	1.10e-03	-4.12e-04
3236	193	-0.81	-5.92	-2.25	0.0	-2.17e-04	-2.92e-04
3236	209	3.80	-3.52	-1.77	0.0	1.26e-03	-4.84e-04
3236	225	-0.94	-6.91	-2.41	0.0	-2.53e-04	-3.49e-04
3237	18	0.02	0.83	-1.78	7.91e-04	5.35e-05	1.19e-06
3237	28	0.02	-0.46	-2.28	1.06e-03	5.98e-05	3.67e-06
3237	75	0.01	0.55	-1.27	5.70e-04	3.79e-05	0.0
3237	80	0.01	-0.30	-1.60	7.52e-04	4.21e-05	2.58e-06
3237	98	0.01	0.02	-1.30	6.10e-04	3.50e-05	1.45e-06
3237	103	0.01	0.12	-1.22	5.72e-04	3.35e-05	1.29e-06
3237	105	0.01	-0.09	-1.26	5.99e-04	3.34e-05	1.72e-06
3237	107	0.01	0.02	-1.24	5.86e-04	3.34e-05	1.41e-06
3237	113	2.57	-2.47	-1.63	8.73e-04	1.20e-03	-2.77e-04
3237	129	-0.62	-4.76	-2.12	1.24e-03	-2.16e-04	-2.24e-04
3237	130	0.64	4.79	-0.36	-6.83e-05	2.83e-04	2.27e-04
3237	145	2.89	-2.78	-1.68	9.09e-04	1.35e-03	-3.13e-04
3237	161	-0.70	-5.36	-2.23	1.32e-03	-2.48e-04	-2.54e-04
3237	162	0.72	5.39	-0.25	-1.50e-04	3.14e-04	2.56e-04
3237	177	2.76	-2.75	-1.67	9.02e-04	1.30e-03	-3.06e-04
3237	193	-0.70	-5.32	-2.22	1.31e-03	-2.45e-04	-2.54e-04
3237	194	0.72	5.35	-0.27	-1.41e-04	3.12e-04	2.57e-04
3237	209	3.17	-3.21	-1.74	9.53e-04	1.50e-03	-3.57e-04
3237	225	-0.81	-6.21	-2.38	1.43e-03	-2.87e-04	-3.03e-04
3237	226	0.83	6.25	-0.10	-2.62e-04	3.54e-04	3.06e-04
3238	28	0.07	-0.66	-2.35	0.0	5.66e-05	-2.83e-05
3238	44	0.06	-1.04	-2.14	0.0	4.97e-05	-2.37e-05
3238	80	0.05	-0.45	-1.65	0.0	3.98e-05	-1.98e-05
3238	88	0.04	-0.70	-1.51	0.0	3.52e-05	-1.68e-05
3238	98	0.04	-0.05	-1.34	0.0	3.32e-05	-1.71e-05
3238	105	0.04	-0.18	-1.30	0.0	3.17e-05	-1.60e-05
3238	107	0.04	-0.05	-1.28	0.0	3.16e-05	-1.63e-05
3238	113	3.62	-2.98	-1.67	0.0	1.09e-03	-4.44e-04
3238	129	-0.82	-5.84	-2.17	0.0	-2.03e-04	-3.00e-04
3238	145	4.07	-3.34	-1.72	0.0	1.22e-03	-4.99e-04
3238	161	-0.93	-6.57	-2.28	0.0	-2.33e-04	-3.37e-04
3238	177	3.90	-3.30	-1.71	0.0	1.18e-03	-5.01e-04
3238	193	-0.93	-6.51	-2.26	0.0	-2.31e-04	-3.46e-04
3238	209	4.47	-3.83	-1.78	0.0	1.36e-03	-5.87e-04

3238	225	-1.08	-7.60	-2.43	0.0	-2.71e-04	-4.11e-04
3239	28	0.10	-0.75	-2.37	0.0	6.92e-05	-2.55e-05
3239	44	0.09	-1.15	-2.16	0.0	6.08e-05	-2.13e-05
3239	80	0.07	-0.50	-1.67	0.0	4.87e-05	-1.79e-05
3239	88	0.06	-0.77	-1.52	0.0	4.30e-05	-1.51e-05
3239	98	0.06	-0.07	-1.35	0.0	4.05e-05	-1.54e-05
3239	105	0.05	-0.21	-1.31	0.0	3.87e-05	-1.44e-05
3239	107	0.05	-0.07	-1.29	0.0	3.86e-05	-1.46e-05
3239	108	4.21	0.16	-1.20	0.0	1.17e-03	-4.52e-04
3239	129	-0.93	-6.37	-2.18	0.0	-2.16e-04	-3.04e-04
3239	140	4.73	0.19	-1.19	0.0	1.31e-03	-5.07e-04
3239	161	-1.05	-7.16	-2.29	0.0	-2.48e-04	-3.42e-04
3239	177	4.54	-3.56	-1.73	0.0	1.26e-03	-5.09e-04
3239	193	-1.05	-7.10	-2.28	0.0	-2.46e-04	-3.52e-04
3239	209	5.21	-4.14	-1.80	0.0	1.45e-03	-5.96e-04
3239	225	-1.23	-8.28	-2.45	0.0	-2.90e-04	-4.19e-04
3240	4	0.14	0.52	-2.21	0.0	7.93e-05	-1.69e-05
3240	28	0.14	-0.83	-2.39	0.0	7.83e-05	-1.60e-05
3240	44	0.12	-1.26	-2.18	0.0	6.87e-05	-1.31e-05
3240	68	0.10	0.34	-1.56	0.0	5.57e-05	-1.18e-05
3240	80	0.10	-0.56	-1.68	0.0	5.50e-05	-1.12e-05
3240	88	0.09	-0.84	-1.54	0.0	4.86e-05	-9.26e-06
3240	98	0.08	-0.09	-1.37	0.0	4.58e-05	-9.68e-06
3240	105	0.08	-0.24	-1.33	0.0	4.37e-05	-8.97e-06
3240	107	0.08	-0.09	-1.31	0.0	4.36e-05	-9.17e-06
3240	113	4.85	-3.46	-1.70	0.0	1.21e-03	-4.22e-04
3240	129	-1.05	-6.90	-2.20	0.0	-2.22e-04	-2.93e-04
3240	145	5.44	-3.88	-1.75	0.0	1.36e-03	-4.74e-04
3240	161	-1.19	-7.75	-2.31	0.0	-2.56e-04	-3.30e-04
3240	177	5.22	-3.82	-1.74	0.0	1.31e-03	-4.75e-04
3240	193	-1.19	-7.68	-2.30	0.0	-2.55e-04	-3.40e-04
3240	209	5.99	-4.44	-1.81	0.0	1.50e-03	-5.57e-04
3240	225	-1.39	-8.96	-2.47	0.0	-3.01e-04	-4.07e-04
3241	28	0.03	-0.57	-2.96	0.0	2.72e-05	-2.18e-05
3241	44	0.03	-0.92	-2.71	0.0	2.40e-05	-1.78e-05
3241	80	0.02	-0.38	-2.09	0.0	1.92e-05	-1.53e-05
3241	88	0.02	-0.62	-1.92	0.0	1.70e-05	-1.27e-05
3241	98	0.01	-0.02	-1.69	0.0	1.61e-05	-1.36e-05
3241	105	0.01	-0.14	-1.65	0.0	1.54e-05	-1.26e-05
3241	107	0.01	-0.02	-1.62	0.0	1.54e-05	-1.29e-05
3241	113	2.92	-2.73	-2.19	0.0	8.03e-04	-3.81e-04
3241	129	-0.72	-5.30	-2.92	0.0	-1.59e-04	-2.61e-04
3241	145	3.29	-3.07	-2.27	0.0	9.01e-04	-4.28e-04
3241	161	-0.81	-5.97	-3.08	0.0	-1.81e-04	-2.93e-04
3241	177	3.13	-3.03	-2.25	0.0	8.69e-04	-4.30e-04
3241	193	-0.82	-5.92	-3.07	0.0	-1.79e-04	-3.02e-04
3241	209	3.58	-3.52	-2.35	0.0	1.00e-03	-5.04e-04
3241	225	-0.95	-6.91	-3.31	0.0	-2.09e-04	-3.60e-04
3242	18	0.02	0.83	-2.31	7.29e-04	5.35e-05	0.0
3242	28	0.02	-0.45	-2.99	1.00e-03	5.98e-05	3.34e-06
3242	75	0.01	0.56	-1.65	5.29e-04	3.79e-05	0.0
3242	80	0.02	-0.30	-2.10	7.10e-04	4.21e-05	2.34e-06
3242	98	0.01	0.02	-1.71	5.74e-04	3.50e-05	1.21e-06
3242	103	0.01	0.13	-1.61	5.38e-04	3.35e-05	1.05e-06
3242	105	0.01	-0.09	-1.66	5.67e-04	3.34e-05	1.51e-06
3242	107	0.01	0.02	-1.63	5.53e-04	3.34e-05	1.19e-06
3242	113	2.58	-2.47	-2.21	8.59e-04	1.20e-03	-2.78e-04
3242	129	-0.64	-4.76	-2.93	1.25e-03	-2.16e-04	-2.24e-04
3242	130	0.66	4.80	-0.33	-1.41e-04	2.83e-04	2.26e-04
3242	145	2.90	-2.78	-2.28	8.98e-04	1.35e-03	-3.13e-04
3242	161	-0.73	-5.36	-3.10	1.33e-03	-2.48e-04	-2.53e-04
3242	162	0.75	5.40	-0.17	-2.28e-04	3.14e-04	2.55e-04
3242	177	2.76	-2.75	-2.27	8.90e-04	1.30e-03	-3.07e-04
3242	193	-0.73	-5.32	-3.08	1.32e-03	-2.45e-04	-2.54e-04
3242	194	0.76	5.35	-0.19	-2.18e-04	3.12e-04	2.56e-04
3242	209	3.15	-3.21	-2.37	9.45e-04	1.50e-03	-3.57e-04
3242	225	-0.85	-6.22	-3.32	1.45e-03	-2.87e-04	-3.02e-04
3242	226	0.88	6.25	0.05	-3.47e-04	3.54e-04	3.05e-04
3243	28	0.05	-0.66	-2.95	0.0	5.20e-05	-3.74e-05
3243	44	0.04	-1.04	-2.70	0.0	4.57e-05	-3.15e-05
3243	80	0.03	-0.45	-2.08	0.0	3.66e-05	-2.63e-05
3243	88	0.03	-0.70	-1.91	0.0	3.24e-05	-2.24e-05
3243	98	0.03	-0.05	-1.69	0.0	3.06e-05	-2.27e-05
3243	105	0.02	-0.18	-1.64	0.0	2.92e-05	-2.13e-05
3243	107	0.02	-0.05	-1.61	0.0	2.92e-05	-2.16e-05

3243	113	3.38	-2.98	-2.19	0.0	1.03e-03	-5.06e-04
3243	129	-0.81	-5.84	-2.91	0.0	-1.97e-04	-3.44e-04
3243	145	3.80	-3.34	-2.26	0.0	1.15e-03	-5.68e-04
3243	161	-0.92	-6.57	-3.08	0.0	-2.26e-04	-3.86e-04
3243	177	3.62	-3.30	-2.24	0.0	1.11e-03	-5.68e-04
3243	193	-0.92	-6.51	-3.06	0.0	-2.25e-04	-3.93e-04
3243	209	4.15	-3.83	-2.35	0.0	1.27e-03	-6.64e-04
3243	225	-1.07	-7.60	-3.30	0.0	-2.64e-04	-4.64e-04
3244	28	0.08	-0.75	-2.95	0.0	7.72e-05	-2.89e-05
3244	44	0.07	-1.15	-2.70	0.0	6.77e-05	-2.42e-05
3244	80	0.06	-0.50	-2.07	0.0	5.43e-05	-2.03e-05
3244	88	0.05	-0.77	-1.91	0.0	4.79e-05	-1.71e-05
3244	98	0.05	-0.07	-1.68	0.0	4.54e-05	-1.76e-05
3244	105	0.05	-0.21	-1.64	0.0	4.33e-05	-1.64e-05
3244	107	0.04	-0.07	-1.61	0.0	4.33e-05	-1.67e-05
3244	113	3.99	-3.22	-2.18	0.0	1.25e-03	-4.63e-04
3244	129	-0.92	-6.37	-2.91	0.0	-2.35e-04	-3.11e-04
3244	145	4.48	-3.61	-2.26	0.0	1.40e-03	-5.19e-04
3244	161	-1.05	-7.16	-3.07	0.0	-2.70e-04	-3.50e-04
3244	177	4.28	-3.56	-2.24	0.0	1.35e-03	-5.21e-04
3244	193	-1.05	-7.10	-3.06	0.0	-2.70e-04	-3.59e-04
3244	209	4.90	-4.14	-2.34	0.0	1.54e-03	-6.11e-04
3244	225	-1.23	-8.28	-3.30	0.0	-3.19e-04	-4.28e-04
3245	28	0.13	-0.83	-2.95	0.0	9.03e-05	-1.59e-05
3245	44	0.12	-1.26	-2.70	0.0	7.91e-05	-1.29e-05
3245	80	0.09	-0.56	-2.08	0.0	6.34e-05	-1.11e-05
3245	88	0.08	-0.84	-1.91	0.0	5.60e-05	-9.11e-06
3245	98	0.07	-0.09	-1.69	0.0	5.29e-05	-9.73e-06
3245	105	0.07	-0.24	-1.64	0.0	5.05e-05	-8.98e-06
3245	107	0.07	-0.09	-1.61	0.0	5.04e-05	-9.22e-06
3245	113	4.71	-3.46	-2.18	0.0	1.35e-03	-4.20e-04
3245	129	-1.06	-6.90	-2.91	0.0	-2.53e-04	-2.93e-04
3245	145	5.29	-3.88	-2.26	0.0	1.52e-03	-4.72e-04
3245	161	-1.20	-7.75	-3.07	0.0	-2.92e-04	-3.30e-04
3245	177	5.05	-3.82	-2.24	0.0	1.46e-03	-4.74e-04
3245	193	-1.21	-7.68	-3.06	0.0	-2.91e-04	-3.40e-04
3245	209	5.79	-4.44	-2.34	0.0	1.67e-03	-5.56e-04
3245	225	-1.41	-8.96	-3.30	0.0	-3.45e-04	-4.06e-04
3246	28	0.01	-0.57	-3.37	1.94e-04	5.25e-06	-1.64e-05
3246	44	0.02	-0.92	-3.12	2.43e-04	4.74e-06	-1.27e-05
3246	80	0.01	-0.38	-2.38	1.34e-04	3.77e-06	-1.16e-05
3246	88	0.01	-0.62	-2.21	1.66e-04	3.44e-06	-9.09e-06
3246	98	6.53e-03	-0.02	-1.93	6.15e-05	3.14e-06	-1.08e-05
3246	105	7.18e-03	-0.14	-1.88	7.90e-05	3.03e-06	-9.80e-06
3246	107	6.32e-03	-0.02	-1.85	5.88e-05	3.04e-06	-1.03e-05
3246	113	2.78	-2.73	-2.61	4.90e-04	5.43e-04	-3.59e-04
3246	129	-0.71	-5.30	-3.57	1.04e-03	-1.17e-04	-2.50e-04
3246	145	3.13	-3.07	-2.70	5.44e-04	6.11e-04	-4.03e-04
3246	161	-0.81	-5.97	-3.78	1.16e-03	-1.32e-04	-2.82e-04
3246	177	2.96	-3.03	-2.68	5.32e-04	5.89e-04	-4.04e-04
3246	193	-0.82	-5.92	-3.76	1.14e-03	-1.31e-04	-2.90e-04
3246	209	3.38	-3.52	-2.82	6.08e-04	6.80e-04	-4.74e-04
3246	225	-0.95	-6.91	-4.07	1.32e-03	-1.51e-04	-3.46e-04
3247	18	0.02	0.83	-2.59	6.66e-04	5.35e-05	-5.03e-06
3247	28	0.02	-0.45	-3.42	9.29e-04	5.98e-05	0.0
3247	44	0.03	-0.78	-3.15	8.88e-04	5.27e-05	1.38e-06
3247	75	0.01	0.56	-1.86	4.86e-04	3.79e-05	-3.44e-06
3247	80	0.02	-0.30	-2.41	6.61e-04	4.21e-05	0.0
3247	88	0.02	-0.52	-2.23	6.34e-04	3.73e-05	0.0
3247	98	0.01	0.02	-1.95	5.33e-04	3.50e-05	-1.75e-06
3247	103	0.01	0.13	-1.83	5.00e-04	3.35e-05	-1.97e-06
3247	105	0.01	-0.09	-1.91	5.29e-04	3.34e-05	-1.11e-06
3247	107	0.01	0.02	-1.87	5.14e-04	3.34e-05	-1.65e-06
3247	113	2.61	-2.47	-2.63	8.27e-04	1.20e-03	-2.84e-04
3247	129	-0.66	-4.76	-3.59	1.22e-03	-2.16e-04	-2.20e-04
3247	130	0.69	4.80	-0.15	-1.90e-04	2.83e-04	2.17e-04
3247	145	2.93	-2.78	-2.73	8.66e-04	1.35e-03	-3.20e-04
3247	161	-0.75	-5.36	-3.80	1.31e-03	-2.48e-04	-2.48e-04
3247	162	0.77	5.40	0.06	-2.78e-04	3.14e-04	2.45e-04
3247	177	2.76	-2.75	-2.71	8.59e-04	1.30e-03	-3.16e-04
3247	193	-0.76	-5.32	-3.78	1.30e-03	-2.45e-04	-2.51e-04
3247	194	0.78	5.35	0.04	-2.69e-04	3.12e-04	2.48e-04
3247	209	3.15	-3.21	-2.84	9.14e-04	1.50e-03	-3.69e-04
3247	225	-0.89	-6.22	-4.10	1.43e-03	-2.87e-04	-2.99e-04
3247	226	0.91	6.25	0.36	-3.99e-04	3.54e-04	2.96e-04

3248	28	0.02	-0.66	-3.35	1.74e-04	4.84e-05	-3.10e-05
3248	44	0.02	-1.04	-3.10	2.23e-04	4.26e-05	-2.57e-05
3248	80	0.01	-0.45	-2.36	1.19e-04	3.41e-05	-2.18e-05
3248	88	0.01	-0.70	-2.20	1.52e-04	3.02e-05	-1.83e-05
3248	98	7.00e-03	-0.05	-1.92	5.08e-05	2.86e-05	-1.92e-05
3248	105	7.67e-03	-0.18	-1.87	6.83e-05	2.73e-05	-1.78e-05
3248	107	6.80e-03	-0.05	-1.84	4.87e-05	2.73e-05	-1.82e-05
3248	113	3.07	-2.98	-2.60	4.80e-04	9.88e-04	-4.49e-04
3248	129	-0.78	-5.84	-3.55	1.02e-03	-1.95e-04	-3.04e-04
3248	145	3.45	-3.34	-2.69	5.34e-04	1.11e-03	-5.03e-04
3248	161	-0.88	-6.57	-3.77	1.15e-03	-2.24e-04	-3.41e-04
3248	177	3.27	-3.30	-2.67	5.22e-04	1.06e-03	-5.05e-04
3248	193	-0.89	-6.51	-3.75	1.13e-03	-2.23e-04	-3.50e-04
3248	209	3.73	-3.83	-2.81	5.97e-04	1.22e-03	-5.91e-04
3248	225	-1.04	-7.60	-4.06	1.31e-03	-2.62e-04	-4.16e-04
3249	28	0.07	-0.75	-3.34	1.60e-04	9.11e-05	-2.33e-05
3249	44	0.06	-1.15	-3.09	2.08e-04	7.97e-05	-1.91e-05
3249	80	0.05	-0.50	-2.36	1.10e-04	6.41e-05	-1.63e-05
3249	88	0.04	-0.77	-2.19	1.41e-04	5.65e-05	-1.35e-05
3249	98	0.04	-0.07	-1.91	4.51e-05	5.37e-05	-1.44e-05
3249	105	0.04	-0.21	-1.87	6.19e-05	5.12e-05	-1.33e-05
3249	107	0.03	-0.07	-1.83	4.32e-05	5.12e-05	-1.36e-05
3249	113	3.80	-3.22	-2.59	4.71e-04	1.40e-03	-4.33e-04
3249	129	-0.92	-6.37	-3.55	1.01e-03	-2.67e-04	-2.95e-04
3249	145	4.27	-3.62	-2.68	5.24e-04	1.57e-03	-4.87e-04
3249	161	-1.05	-7.16	-3.76	1.13e-03	-3.08e-04	-3.32e-04
3249	177	4.06	-3.56	-2.67	5.12e-04	1.50e-03	-4.88e-04
3249	193	-1.06	-7.10	-3.74	1.12e-03	-3.08e-04	-3.42e-04
3249	209	4.64	-4.14	-2.80	5.86e-04	1.72e-03	-5.73e-04
3249	225	-1.23	-8.28	-4.05	1.30e-03	-3.64e-04	-4.08e-04
3250	28	0.12	-0.83	-3.34	1.52e-04	1.03e-04	-1.61e-05
3250	44	0.11	-1.26	-3.09	1.97e-04	9.03e-05	-1.30e-05
3250	80	0.09	-0.56	-2.35	1.04e-04	7.26e-05	-1.13e-05
3250	88	0.08	-0.84	-2.19	1.34e-04	6.40e-05	-9.25e-06
3250	98	0.07	-0.09	-1.91	4.31e-05	6.08e-05	-1.01e-05
3250	105	0.07	-0.24	-1.86	5.89e-05	5.79e-05	-9.27e-06
3250	107	0.07	-0.09	-1.83	4.12e-05	5.79e-05	-9.55e-06
3250	113	4.59	-3.46	-2.58	4.61e-04	1.49e-03	-4.20e-04
3250	129	-1.07	-6.90	-3.54	9.96e-04	-2.81e-04	-2.95e-04
3250	145	5.16	-3.88	-2.68	5.14e-04	1.67e-03	-4.72e-04
3250	161	-1.22	-7.75	-3.75	1.12e-03	-3.24e-04	-3.32e-04
3250	177	4.91	-3.82	-2.66	5.02e-04	1.60e-03	-4.73e-04
3250	193	-1.23	-7.68	-3.73	1.10e-03	-3.25e-04	-3.41e-04
3250	209	5.61	-4.44	-2.80	5.75e-04	1.83e-03	-5.55e-04
3250	225	-1.44	-8.96	-4.05	1.28e-03	-3.85e-04	-4.08e-04
3251	4	0.18	0.52	-2.24	0.0	8.26e-05	-7.42e-06
3251	28	0.18	-0.90	-2.43	0.0	8.17e-05	-6.88e-06
3251	44	0.16	-1.35	-2.21	0.0	7.16e-05	-5.20e-06
3251	68	0.13	0.34	-1.58	0.0	5.79e-05	-5.13e-06
3251	80	0.13	-0.61	-1.71	0.0	5.74e-05	-4.76e-06
3251	88	0.11	-0.91	-1.56	0.0	5.06e-05	-3.64e-06
3251	98	0.10	-0.12	-1.38	0.0	4.76e-05	-4.23e-06
3251	105	0.10	-0.27	-1.34	0.0	4.54e-05	-3.79e-06
3251	107	0.10	-0.11	-1.32	0.0	4.53e-05	-3.98e-06
3251	113	5.46	-3.68	-1.72	0.0	1.21e-03	-4.03e-04
3251	129	-1.16	-7.39	-2.23	0.0	-2.20e-04	-3.00e-04
3251	145	6.13	-4.13	-1.77	0.0	1.35e-03	-4.53e-04
3251	161	-1.32	-8.30	-2.34	0.0	-2.54e-04	-3.39e-04
3251	177	5.88	-4.07	-1.76	0.0	1.30e-03	-4.51e-04
3251	193	-1.32	-8.23	-2.33	0.0	-2.53e-04	-3.45e-04
3251	209	6.75	-4.72	-1.83	0.0	1.49e-03	-5.29e-04
3251	225	-1.54	-9.59	-2.49	0.0	-2.99e-04	-4.13e-04
3252	4	0.22	0.52	-2.29	0.0	8.25e-05	-2.15e-06
3252	28	0.22	-0.98	-2.48	0.0	8.18e-05	-1.76e-06
3252	44	0.20	-1.45	-2.26	0.0	7.17e-05	0.0
3252	68	0.16	0.33	-1.62	0.0	5.78e-05	-1.46e-06
3252	80	0.16	-0.66	-1.74	0.0	5.74e-05	-1.20e-06
3252	88	0.14	-0.97	-1.59	0.0	5.06e-05	0.0
3252	98	0.13	-0.14	-1.41	0.0	4.75e-05	-1.25e-06
3252	105	0.12	-0.30	-1.37	0.0	4.53e-05	0.0
3252	107	0.12	-0.13	-1.35	0.0	4.52e-05	-1.16e-06
3252	113	6.05	-3.90	-1.75	0.0	1.18e-03	-4.09e-04
3252	129	-1.27	-7.87	-2.26	0.0	-2.16e-04	-3.20e-04
3252	145	6.79	-4.37	-1.80	0.0	1.32e-03	-4.60e-04
3252	161	-1.44	-8.84	-2.37	0.0	-2.49e-04	-3.61e-04

3252	177	6.52	-4.31	-1.79	0.0	1.28e-03	-4.55e-04
3252	193	-1.44	-8.76	-2.36	0.0	-2.48e-04	-3.65e-04
3252	209	7.49	-4.99	-1.86	0.0	1.46e-03	-5.31e-04
3252	225	-1.69	-10.20	-2.53	0.0	-2.93e-04	-4.35e-04
3253	4	0.26	0.50	-2.39	5.60e-04	1.52e-04	-4.82e-06
3253	28	0.26	-1.06	-2.59	6.65e-04	1.46e-05	-4.15e-06
3253	44	0.23	-1.54	-2.35	6.37e-04	-2.77e-05	-3.03e-06
3253	68	0.19	0.33	-1.69	4.02e-04	1.01e-04	-3.42e-06
3253	80	0.18	-0.72	-1.82	4.73e-04	9.54e-06	-2.97e-06
3253	88	0.16	-1.04	-1.66	4.54e-04	-1.86e-05	-2.23e-06
3253	98	0.15	-0.16	-1.47	3.82e-04	2.85e-05	-2.94e-06
3253	105	0.15	-0.33	-1.43	3.80e-04	1.57e-05	-2.63e-06
3253	107	0.14	-0.16	-1.41	3.68e-04	2.59e-05	-2.83e-06
3253	113	6.63	-4.11	-1.81	6.18e-04	7.53e-04	-4.30e-04
3253	129	-1.37	-8.33	-2.33	9.39e-04	-1.90e-04	-3.39e-04
3253	145	7.45	-4.61	-1.86	6.49e-04	8.44e-04	-4.84e-04
3253	161	-1.57	-9.35	-2.44	1.01e-03	-2.17e-04	-3.82e-04
3253	177	7.15	-4.54	-1.85	6.43e-04	8.05e-04	-4.77e-04
3253	193	-1.56	-9.27	-2.43	1.00e-03	-2.19e-04	-3.86e-04
3253	209	8.21	-5.25	-1.92	6.87e-04	9.19e-04	-5.57e-04
3253	225	-1.83	-10.79	-2.60	1.11e-03	-2.59e-04	-4.60e-04
3254	4	0.18	0.52	-2.70	0.0	9.16e-05	-5.03e-06
3254	28	0.18	-0.90	-2.96	0.0	9.05e-05	-4.35e-06
3254	44	0.16	-1.35	-2.71	0.0	7.91e-05	-2.88e-06
3254	68	0.13	0.34	-1.91	0.0	6.43e-05	-3.44e-06
3254	80	0.13	-0.61	-2.08	0.0	6.35e-05	-2.98e-06
3254	88	0.11	-0.91	-1.92	0.0	5.59e-05	-2.00e-06
3254	98	0.10	-0.12	-1.69	0.0	5.28e-05	-2.79e-06
3254	105	0.10	-0.27	-1.65	0.0	5.03e-05	-2.39e-06
3254	107	0.10	-0.11	-1.62	0.0	5.02e-05	-2.60e-06
3254	113	5.40	-3.68	-2.19	0.0	1.31e-03	-3.96e-04
3254	129	-1.19	-7.39	-2.92	0.0	-2.44e-04	-3.00e-04
3254	145	6.06	-4.13	-2.26	0.0	1.47e-03	-4.46e-04
3254	161	-1.35	-8.30	-3.08	0.0	-2.82e-04	-3.38e-04
3254	177	5.80	-4.07	-2.25	0.0	1.41e-03	-4.43e-04
3254	193	-1.36	-8.23	-3.06	0.0	-2.82e-04	-3.44e-04
3254	209	6.64	-4.72	-2.35	0.0	1.62e-03	-5.19e-04
3254	225	-1.59	-9.59	-3.30	0.0	-3.33e-04	-4.12e-04
3255	4	0.22	0.52	-2.72	0.0	8.41e-05	3.01e-06
3255	28	0.22	-0.98	-2.98	0.0	8.34e-05	3.38e-06
3255	44	0.20	-1.45	-2.73	0.0	7.29e-05	3.78e-06
3255	68	0.16	0.33	-1.92	0.0	5.89e-05	2.20e-06
3255	80	0.16	-0.66	-2.10	0.0	5.84e-05	2.44e-06
3255	88	0.14	-0.97	-1.93	0.0	5.14e-05	2.71e-06
3255	98	0.13	-0.14	-1.70	0.0	4.83e-05	1.82e-06
3255	105	0.12	-0.30	-1.66	0.0	4.60e-05	1.97e-06
3255	107	0.12	-0.13	-1.63	0.0	4.59e-05	1.78e-06
3255	113	6.03	-3.90	-2.20	0.0	1.22e-03	-3.97e-04
3255	129	-1.31	-7.87	-2.93	0.0	-2.27e-04	-3.28e-04
3255	145	6.76	-4.38	-2.27	0.0	1.36e-03	-4.47e-04
3255	161	-1.49	-8.84	-3.09	0.0	-2.61e-04	-3.71e-04
3255	177	6.47	-4.31	-2.26	0.0	1.31e-03	-4.38e-04
3255	193	-1.49	-8.76	-3.07	0.0	-2.61e-04	-3.71e-04
3255	209	7.41	-4.99	-2.36	0.0	1.50e-03	-5.09e-04
3255	225	-1.75	-10.20	-3.31	0.0	-3.09e-04	-4.41e-04
3256	4	0.26	0.50	-2.77	5.29e-04	1.24e-04	-5.75e-06
3256	28	0.26	-1.06	-3.03	6.44e-04	2.39e-05	-4.24e-06
3256	44	0.23	-1.54	-2.78	6.26e-04	-1.08e-05	-2.88e-06
3256	68	0.18	0.32	-1.96	3.82e-04	8.16e-05	-4.05e-06
3256	80	0.18	-0.72	-2.13	4.59e-04	1.51e-05	-3.05e-06
3256	88	0.16	-1.04	-1.97	4.47e-04	-8.12e-06	-2.14e-06
3256	98	0.15	-0.16	-1.73	3.70e-04	2.51e-05	-3.16e-06
3256	105	0.14	-0.33	-1.68	3.70e-04	1.49e-05	-2.77e-06
3256	107	0.14	-0.16	-1.66	3.58e-04	2.23e-05	-3.03e-06
3256	113	6.60	-4.11	-2.23	6.29e-04	7.30e-04	-4.30e-04
3256	129	-1.41	-8.33	-2.96	9.77e-04	-1.83e-04	-3.38e-04
3256	145	7.40	-4.61	-2.30	6.63e-04	8.18e-04	-4.84e-04
3256	161	-1.61	-9.35	-3.12	1.05e-03	-2.09e-04	-3.82e-04
3256	177	7.09	-4.54	-2.28	6.57e-04	7.80e-04	-4.77e-04
3256	193	-1.62	-9.27	-3.10	1.05e-03	-2.11e-04	-3.86e-04
3256	209	8.12	-5.25	-2.38	7.05e-04	8.91e-04	-5.57e-04
3256	225	-1.90	-10.79	-3.34	1.16e-03	-2.49e-04	-4.60e-04
3257	4	0.18	0.52	-3.00	4.50e-06	1.04e-04	-1.01e-05
3257	28	0.18	-0.90	-3.33	1.50e-04	1.02e-04	-8.88e-06
3257	44	0.16	-1.35	-3.08	1.92e-04	8.91e-05	-6.76e-06

3257	68	0.12	0.34	-2.13	5.97e-06	7.28e-05	-7.04e-06
3257	80	0.12	-0.61	-2.35	1.03e-04	7.16e-05	-6.23e-06
3257	88	0.11	-0.91	-2.19	1.31e-04	6.30e-05	-4.82e-06
3257	98	0.10	-0.12	-1.91	4.43e-05	5.98e-05	-5.75e-06
3257	105	0.10	-0.27	-1.86	5.91e-05	5.69e-05	-5.19e-06
3257	107	0.10	-0.11	-1.83	4.24e-05	5.69e-05	-5.45e-06
3257	113	5.35	-3.68	-2.58	4.51e-04	1.46e-03	-4.08e-04
3257	129	-1.22	-7.39	-3.53	9.73e-04	-2.74e-04	-3.02e-04
3257	145	6.01	-4.13	-2.67	5.02e-04	1.63e-03	-4.59e-04
3257	161	-1.39	-8.30	-3.75	1.09e-03	-3.17e-04	-3.41e-04
3257	177	5.72	-4.07	-2.66	4.90e-04	1.56e-03	-4.57e-04
3257	193	-1.40	-8.23	-3.72	1.08e-03	-3.17e-04	-3.48e-04
3257	209	6.54	-4.72	-2.79	5.60e-04	1.79e-03	-5.36e-04
3257	225	-1.64	-9.59	-4.04	1.25e-03	-3.76e-04	-4.16e-04
3258	4	0.23	0.52	-3.01	1.50e-05	8.32e-05	-1.46e-06
3258	28	0.23	-0.98	-3.34	1.52e-04	8.26e-05	0.0
3258	44	0.21	-1.45	-3.09	1.91e-04	7.20e-05	0.0
3258	68	0.16	0.34	-2.13	1.31e-05	5.82e-05	0.0
3258	80	0.16	-0.66	-2.36	1.05e-04	5.78e-05	0.0
3258	88	0.15	-0.98	-2.19	1.30e-04	5.08e-05	0.0
3258	98	0.13	-0.14	-1.91	4.72e-05	4.77e-05	0.0
3258	105	0.13	-0.30	-1.87	6.10e-05	4.53e-05	0.0
3258	107	0.13	-0.13	-1.83	4.51e-05	4.53e-05	0.0
3258	113	6.09	-3.90	-2.58	4.39e-04	1.24e-03	-4.03e-04
3258	129	-1.36	-7.87	-3.53	9.47e-04	-2.35e-04	-3.23e-04
3258	145	6.84	-4.38	-2.67	4.88e-04	1.38e-03	-4.53e-04
3258	161	-1.55	-8.84	-3.74	1.06e-03	-2.70e-04	-3.64e-04
3258	177	6.52	-4.31	-2.65	4.77e-04	1.33e-03	-4.46e-04
3258	193	-1.56	-8.76	-3.72	1.05e-03	-2.71e-04	-3.67e-04
3258	209	7.45	-4.99	-2.79	5.45e-04	1.52e-03	-5.20e-04
3258	225	-1.83	-10.20	-4.03	1.21e-03	-3.20e-04	-4.37e-04
3259	4	0.26	0.50	-3.03	4.84e-04	8.16e-05	-7.91e-06
3259	28	0.26	-1.06	-3.36	6.07e-04	3.45e-05	-5.71e-06
3259	44	0.23	-1.54	-3.10	5.96e-04	1.12e-05	-3.97e-06
3259	68	0.18	0.32	-2.15	3.51e-04	5.27e-05	-5.63e-06
3259	80	0.18	-0.72	-2.37	4.33e-04	2.13e-05	-4.17e-06
3259	88	0.16	-1.04	-2.20	4.26e-04	5.80e-06	-3.01e-06
3259	98	0.15	-0.16	-1.92	3.48e-04	1.98e-05	-4.49e-06
3259	105	0.14	-0.33	-1.88	3.50e-04	1.35e-05	-3.99e-06
3259	107	0.14	-0.16	-1.84	3.37e-04	1.70e-05	-4.34e-06
3259	113	6.57	-4.11	-2.58	6.14e-04	6.90e-04	-4.27e-04
3259	129	-1.45	-8.33	-3.53	9.68e-04	-1.68e-04	-3.39e-04
3259	145	7.38	-4.61	-2.67	6.49e-04	7.74e-04	-4.80e-04
3259	161	-1.66	-9.35	-3.74	1.05e-03	-1.91e-04	-3.83e-04
3259	177	7.03	-4.54	-2.66	6.42e-04	7.38e-04	-4.73e-04
3259	193	-1.67	-9.27	-3.71	1.04e-03	-1.93e-04	-3.86e-04
3259	209	8.04	-5.25	-2.79	6.92e-04	8.45e-04	-5.51e-04
3259	225	-1.96	-10.79	-4.03	1.16e-03	-2.27e-04	-4.59e-04
3260	4	0.08	0.46	-0.89	0.0	1.24e-04	-1.35e-05
3260	44	0.06	-0.86	-0.70	0.0	9.71e-05	-5.91e-06
3260	68	0.06	0.31	-0.62	0.0	8.67e-05	-9.31e-06
3260	88	0.04	-0.57	-0.49	0.0	6.87e-05	-4.25e-06
3260	98	0.04	-0.02	-0.50	0.0	6.91e-05	-6.58e-06
3260	105	0.04	-0.13	-0.47	0.0	6.47e-05	-5.65e-06
3260	107	0.04	-0.01	-0.47	0.0	6.56e-05	-6.21e-06
3260	109	4.73	2.71	-0.13	0.0	9.92e-04	-4.67e-04
3260	114	-3.70	-2.53	-0.87	0.0	-8.76e-04	3.66e-04
3260	139	-2.58	-6.32	-0.24	0.0	-5.84e-04	2.73e-04
3260	141	5.32	3.06	-0.09	0.0	1.11e-03	-5.26e-04
3260	146	-4.17	-2.85	-0.92	0.0	-9.95e-04	4.13e-04
3260	171	-2.92	-7.12	-0.22	0.0	-6.66e-04	3.09e-04
3260	173	5.31	3.06	-0.10	0.0	1.10e-03	-5.26e-04
3260	178	-4.16	-2.82	-0.91	0.0	-9.81e-04	4.12e-04
3260	203	-2.95	-7.14	-0.22	0.0	-6.59e-04	3.17e-04
3260	205	6.23	3.62	-0.05	0.0	1.27e-03	-6.19e-04
3260	210	-4.89	-3.31	-0.97	0.0	-1.16e-03	4.85e-04
3260	235	-3.51	-8.41	-0.18	0.0	-7.87e-04	3.82e-04
3261	4	0.01	0.45	-0.88	2.73e-04	9.88e-05	-1.33e-06
3261	47	6.92e-03	-0.75	-0.52	1.64e-04	7.05e-05	0.0
3261	52	0.01	4.31e-03	-0.85	2.67e-04	1.02e-04	-1.35e-06
3261	68	9.13e-03	0.30	-0.61	1.91e-04	7.00e-05	0.0
3261	87	6.28e-03	-0.50	-0.47	1.47e-04	6.27e-05	0.0
3261	92	9.25e-03	3.42e-03	-0.60	1.87e-04	7.19e-05	0.0
3261	98	7.52e-03	3.61e-03	-0.49	1.54e-04	6.05e-05	0.0
3261	102	4.22e-03	0.10	-0.32	1.01e-04	4.19e-05	0.0

3261	106	4.26e-03	4.07e-03	-0.32	1.00e-04	4.25e-05	0.0
3261	107	7.06e-03	3.68e-03	-0.47	1.47e-04	5.79e-05	0.0
3261	112	4.07	5.15	-0.25	1.30e-04	9.66e-04	-4.72e-04
3261	114	-3.24	-2.43	-0.87	1.96e-04	-1.11e-03	3.83e-04
3261	136	2.30	5.70	-0.71	1.90e-04	-1.37e-04	-2.75e-04
3261	144	4.59	5.80	-0.22	1.28e-04	1.08e-03	-5.32e-04
3261	146	-3.65	-2.73	-0.92	2.02e-04	-1.26e-03	4.31e-04
3261	168	2.59	6.42	-0.74	1.96e-04	-1.60e-04	-3.11e-04
3261	176	4.58	5.78	-0.23	1.30e-04	1.06e-03	-5.35e-04
3261	198	0.31	3.82	-0.91	2.16e-04	-7.60e-04	-2.54e-05
3261	200	2.62	6.45	-0.74	1.96e-04	-1.54e-04	-3.21e-04
3261	208	5.39	6.78	-0.20	1.28e-04	1.23e-03	-6.32e-04
3261	230	0.37	4.48	-0.98	2.28e-04	-8.94e-04	-3.24e-05
3261	232	3.12	7.60	-0.78	2.04e-04	-1.82e-04	-3.85e-04
3262	4	0.15	0.48	-0.89	0.0	1.17e-04	-2.67e-05
3262	44	0.11	-0.96	-0.70	0.0	9.63e-05	-1.61e-05
3262	68	0.10	0.32	-0.62	0.0	8.17e-05	-1.85e-05
3262	88	0.08	-0.64	-0.50	0.0	6.81e-05	-1.14e-05
3262	98	0.08	-0.03	-0.50	0.0	6.63e-05	-1.39e-05
3262	105	0.08	-0.15	-0.47	0.0	6.26e-05	-1.24e-05
3262	107	0.08	-0.03	-0.48	0.0	6.30e-05	-1.31e-05
3262	109	5.37	2.83	-0.14	0.0	9.59e-04	-4.93e-04
3262	114	-4.14	-2.65	-0.87	0.0	-8.40e-04	3.73e-04
3262	139	-2.88	-6.95	-0.25	0.0	-5.78e-04	2.81e-04
3262	141	6.05	3.20	-0.09	0.0	1.07e-03	-5.54e-04
3262	146	-4.68	-2.98	-0.92	0.0	-9.55e-04	4.22e-04
3262	171	-3.26	-7.83	-0.22	0.0	-6.59e-04	3.20e-04
3262	173	6.03	3.21	-0.11	0.0	1.06e-03	-5.54e-04
3262	178	-4.66	-2.95	-0.91	0.0	-9.40e-04	4.20e-04
3262	203	-3.29	-7.85	-0.22	0.0	-6.51e-04	3.27e-04
3262	205	7.06	3.78	-0.05	0.0	1.22e-03	-6.49e-04
3262	210	-5.48	-3.45	-0.97	0.0	-1.11e-03	4.95e-04
3262	235	-3.91	-9.23	-0.18	0.0	-7.76e-04	3.95e-04
3263	4	0.21	0.49	-0.90	0.0	1.01e-04	-4.04e-05
3263	44	0.16	-1.07	-0.70	0.0	8.85e-05	-2.86e-05
3263	68	0.14	0.33	-0.63	0.0	7.12e-05	-2.80e-05
3263	88	0.12	-0.71	-0.50	0.0	6.25e-05	-2.02e-05
3263	98	0.12	-0.05	-0.50	0.0	5.90e-05	-2.19e-05
3263	105	0.11	-0.18	-0.47	0.0	5.62e-05	-2.01e-05
3263	107	0.11	-0.05	-0.48	0.0	5.61e-05	-2.07e-05
3263	109	5.99	2.96	-0.14	0.0	8.90e-04	-5.32e-04
3263	114	-4.57	-2.77	-0.88	0.0	-1.01e-03	3.90e-04
3263	139	-3.18	-7.59	-0.25	0.0	2.29e-04	2.92e-04
3263	141	6.74	3.35	-0.10	0.0	9.96e-04	-5.97e-04
3263	146	-5.16	-3.12	-0.92	0.0	-1.15e-03	4.42e-04
3263	171	-3.60	-8.54	-0.22	0.0	2.50e-04	3.33e-04
3263	173	6.71	3.35	-0.11	0.0	9.81e-04	-5.97e-04
3263	178	-5.14	-3.08	-0.91	0.0	-1.13e-03	4.41e-04
3263	203	-3.62	-8.55	-0.23	0.0	2.44e-04	3.41e-04
3263	205	7.85	3.95	-0.05	0.0	1.14e-03	-6.98e-04
3263	210	-6.05	-3.60	-0.98	0.0	-1.32e-03	5.21e-04
3263	235	-4.31	-10.06	-0.19	0.0	2.68e-04	4.13e-04
3264	4	0.25	0.51	-0.91	0.0	7.67e-05	-5.17e-05
3264	44	0.21	-1.17	-0.71	0.0	7.11e-05	-3.95e-05
3264	68	0.18	0.34	-0.63	0.0	5.40e-05	-3.59e-05
3264	88	0.15	-0.78	-0.50	0.0	5.03e-05	-2.78e-05
3264	98	0.14	-0.07	-0.51	0.0	4.60e-05	-2.87e-05
3264	105	0.14	-0.20	-0.48	0.0	4.42e-05	-2.66e-05
3264	107	0.14	-0.06	-0.48	0.0	4.38e-05	-2.71e-05
3264	109	6.54	3.10	-0.14	0.0	9.91e-04	-5.76e-04
3264	114	-4.95	-2.90	-0.88	0.0	-9.10e-04	4.16e-04
3264	139	-3.45	-8.22	-0.26	0.0	2.12e-04	3.07e-04
3264	141	7.35	3.50	-0.10	0.0	1.11e-03	-6.46e-04
3264	146	-5.59	-3.26	-0.93	0.0	-1.03e-03	4.72e-04
3264	171	-3.91	-9.26	-0.23	0.0	2.32e-04	3.51e-04
3264	173	7.31	3.49	-0.11	0.0	1.09e-03	-6.47e-04
3264	178	-5.56	-3.21	-0.92	0.0	-1.01e-03	4.70e-04
3264	203	-3.93	-9.26	-0.23	0.0	2.26e-04	3.59e-04
3264	205	8.55	4.12	-0.05	0.0	1.27e-03	-7.57e-04
3264	210	-6.54	-3.74	-0.99	0.0	-1.19e-03	5.57e-04
3264	235	-4.68	-10.89	-0.19	0.0	2.51e-04	4.36e-04
3265	4	0.07	0.46	-1.03	0.0	1.12e-04	-1.54e-05
3265	44	0.06	-0.86	-0.82	0.0	8.92e-05	-7.87e-06
3265	68	0.05	0.31	-0.72	0.0	7.83e-05	-1.06e-05
3265	88	0.04	-0.57	-0.58	0.0	6.31e-05	-5.60e-06

3265	98	0.04	-0.02	-0.58	0.0	6.27e-05	-7.71e-06
3265	105	0.04	-0.12	-0.54	0.0	5.89e-05	-6.75e-06
3265	107	0.04	-0.01	-0.55	0.0	5.96e-05	-7.27e-06
3265	109	4.53	2.71	-0.25	0.0	9.97e-04	-4.89e-04
3265	134	0.36	3.83	-0.91	0.0	1.53e-04	-3.09e-05
3265	139	-2.48	-6.32	-0.33	0.0	-6.02e-04	2.81e-04
3265	141	5.10	3.06	-0.21	0.0	1.12e-03	-5.50e-04
3265	166	0.40	4.32	-0.95	0.0	1.64e-04	-3.46e-05
3265	171	-2.81	-7.12	-0.30	0.0	-6.85e-04	3.19e-04
3265	173	5.08	3.07	-0.23	0.0	1.10e-03	-5.51e-04
3265	198	0.40	4.32	-0.94	0.0	1.61e-04	-3.80e-05
3265	203	-2.83	-7.14	-0.30	0.0	-6.75e-04	3.28e-04
3265	205	5.95	3.62	-0.18	0.0	1.27e-03	-6.48e-04
3265	230	0.46	5.06	-1.01	0.0	1.77e-04	-4.65e-05
3265	235	-3.36	-8.41	-0.26	0.0	-8.04e-04	3.95e-04
3266	4	0.01	0.45	-1.04	1.28e-04	9.45e-05	-3.14e-06
3266	47	6.50e-03	-0.75	-0.63	7.96e-05	6.72e-05	0.0
3266	52	0.01	4.99e-03	-1.02	1.26e-04	9.73e-05	-3.10e-06
3266	68	8.01e-03	0.30	-0.73	8.92e-05	6.69e-05	-2.14e-06
3266	87	5.83e-03	-0.50	-0.56	7.10e-05	5.97e-05	0.0
3266	92	8.16e-03	3.93e-03	-0.71	8.82e-05	6.87e-05	-2.12e-06
3266	98	6.66e-03	4.11e-03	-0.59	7.29e-05	5.77e-05	-1.70e-06
3266	102	3.80e-03	0.10	-0.38	4.79e-05	3.95e-05	0.0
3266	106	3.85e-03	4.53e-03	-0.38	4.75e-05	4.02e-05	0.0
3266	107	6.26e-03	4.17e-03	-0.56	6.93e-05	5.52e-05	-1.57e-06
3266	112	3.86	5.15	-0.38	1.19e-04	9.83e-04	-4.70e-04
3266	134	0.28	3.40	-0.92	7.13e-05	-7.02e-04	-2.01e-05
3266	136	2.19	5.70	-0.78	9.66e-05	-1.46e-04	-2.74e-04
3266	144	4.35	5.81	-0.35	1.25e-04	1.10e-03	-5.30e-04
3266	166	0.31	3.83	-0.96	7.16e-05	-7.97e-04	-2.31e-05
3266	168	2.47	6.43	-0.81	1.00e-04	-1.71e-04	-3.10e-04
3266	176	4.34	5.78	-0.36	1.26e-04	1.08e-03	-5.33e-04
3266	198	0.31	3.83	-0.95	7.16e-05	-7.80e-04	-2.62e-05
3266	200	2.49	6.46	-0.81	1.01e-04	-1.65e-04	-3.19e-04
3266	208	5.10	6.78	-0.33	1.36e-04	1.25e-03	-6.28e-04
3266	230	0.37	4.49	-1.02	7.22e-05	-9.17e-04	-3.33e-05
3266	232	2.95	7.61	-0.85	1.07e-04	-1.94e-04	-3.83e-04
3267	4	0.13	0.48	-1.02	0.0	1.04e-04	-2.78e-05
3267	44	0.10	-0.96	-0.82	0.0	8.58e-05	-1.69e-05
3267	68	0.09	0.32	-0.71	0.0	7.29e-05	-1.92e-05
3267	88	0.07	-0.64	-0.58	0.0	6.07e-05	-1.20e-05
3267	98	0.07	-0.03	-0.58	0.0	5.91e-05	-1.44e-05
3267	105	0.07	-0.15	-0.54	0.0	5.58e-05	-1.30e-05
3267	107	0.07	-0.03	-0.55	0.0	5.63e-05	-1.36e-05
3267	109	5.18	2.84	-0.25	0.0	9.49e-04	-5.15e-04
3267	134	0.44	4.27	-0.90	0.0	1.55e-04	-4.25e-05
3267	139	-2.79	-6.95	-0.33	0.0	-5.83e-04	2.93e-04
3267	141	5.82	3.20	-0.21	0.0	1.06e-03	-5.79e-04
3267	166	0.48	4.82	-0.95	0.0	1.67e-04	-4.69e-05
3267	171	-3.16	-7.83	-0.30	0.0	-6.64e-04	3.33e-04
3267	173	5.79	3.21	-0.22	0.0	1.05e-03	-5.79e-04
3267	198	0.48	4.81	-0.94	0.0	1.65e-04	-5.04e-05
3267	203	-3.17	-7.85	-0.30	0.0	-6.53e-04	3.41e-04
3267	205	6.78	3.78	-0.18	0.0	1.21e-03	-6.78e-04
3267	230	0.55	5.64	-1.00	0.0	1.82e-04	-6.02e-05
3267	235	-3.77	-9.23	-0.26	0.0	-7.76e-04	4.12e-04
3268	4	0.18	0.49	-1.02	0.0	9.05e-05	-3.97e-05
3268	44	0.15	-1.06	-0.81	0.0	7.83e-05	-2.74e-05
3268	68	0.13	0.33	-0.71	0.0	6.35e-05	-2.75e-05
3268	88	0.10	-0.71	-0.58	0.0	5.54e-05	-1.93e-05
3268	98	0.10	-0.05	-0.57	0.0	5.25e-05	-2.13e-05
3268	105	0.10	-0.18	-0.54	0.0	4.99e-05	-1.95e-05
3268	107	0.10	-0.05	-0.54	0.0	5.00e-05	-2.02e-05
3268	108	5.78	6.07	-0.31	0.0	1.11e-03	-4.44e-04
3268	134	0.52	4.71	-0.90	0.0	-6.24e-04	-5.16e-05
3268	139	-3.08	-7.59	-0.33	0.0	2.24e-04	3.03e-04
3268	140	6.50	6.84	-0.28	0.0	1.25e-03	-4.98e-04
3268	166	0.57	5.31	-0.94	0.0	-7.09e-04	-5.63e-05
3268	171	-3.49	-8.54	-0.30	0.0	2.46e-04	3.45e-04
3268	172	6.46	6.75	-0.29	0.0	1.23e-03	-4.96e-04
3268	198	0.57	5.30	-0.94	0.0	-6.95e-04	-5.99e-05
3268	203	-3.50	-8.56	-0.30	0.0	2.40e-04	3.54e-04
3268	204	7.56	7.88	-0.25	0.0	1.42e-03	-5.78e-04
3268	230	0.64	6.21	-1.00	0.0	-8.18e-04	-7.02e-05
3268	235	-4.16	-10.06	-0.26	0.0	2.65e-04	4.28e-04

3269	4	0.23	0.51	-1.02	0.0	7.12e-05	-4.79e-05
3269	44	0.19	-1.17	-0.82	0.0	6.57e-05	-3.55e-05
3269	68	0.16	0.34	-0.71	0.0	5.02e-05	-3.33e-05
3269	88	0.13	-0.78	-0.58	0.0	4.65e-05	-2.50e-05
3269	98	0.13	-0.07	-0.57	0.0	4.25e-05	-2.64e-05
3269	105	0.12	-0.20	-0.54	0.0	4.09e-05	-2.43e-05
3269	107	0.12	-0.06	-0.55	0.0	4.06e-05	-2.49e-05
3269	108	6.33	6.44	-0.31	0.0	1.00e-03	-4.62e-04
3269	134	0.60	5.15	-0.90	0.0	-5.89e-04	-5.87e-05
3269	139	-3.36	-8.22	-0.33	0.0	2.17e-04	3.10e-04
3269	140	7.12	7.26	-0.28	0.0	1.12e-03	-5.17e-04
3269	166	0.66	5.80	-0.94	0.0	-6.68e-04	-6.36e-05
3269	171	-3.81	-9.26	-0.30	0.0	2.38e-04	3.54e-04
3269	172	7.07	7.16	-0.29	0.0	1.10e-03	-5.14e-04
3269	198	0.65	5.79	-0.94	0.0	-6.54e-04	-6.71e-05
3269	203	-3.81	-9.26	-0.30	0.0	2.33e-04	3.62e-04
3269	204	8.26	8.36	-0.26	0.0	1.28e-03	-5.98e-04
3269	230	0.74	6.79	-1.00	0.0	-7.68e-04	-7.80e-05
3269	235	-4.53	-10.89	-0.26	0.0	2.59e-04	4.39e-04
3270	4	0.06	0.46	-1.04	0.0	1.00e-04	-1.62e-05
3270	44	0.05	-0.85	-0.84	0.0	8.13e-05	-8.84e-06
3270	68	0.05	0.31	-0.72	0.0	7.00e-05	-1.12e-05
3270	88	0.04	-0.57	-0.59	0.0	5.75e-05	-6.28e-06
3270	98	0.04	-0.01	-0.59	0.0	5.64e-05	-8.19e-06
3270	105	0.03	-0.12	-0.55	0.0	5.32e-05	-7.24e-06
3270	107	0.03	-0.01	-0.56	0.0	5.37e-05	-7.72e-06
3270	109	4.33	2.71	-0.31	0.0	9.98e-04	-4.92e-04
3270	134	0.36	3.84	-0.87	0.0	1.57e-04	-3.10e-05
3270	139	-2.39	-6.32	-0.36	0.0	-6.20e-04	2.82e-04
3270	141	4.87	3.06	-0.28	0.0	1.12e-03	-5.54e-04
3270	166	0.40	4.32	-0.91	0.0	1.70e-04	-3.46e-05
3270	171	-2.70	-7.12	-0.33	0.0	-7.04e-04	3.20e-04
3270	173	4.84	3.07	-0.30	0.0	1.10e-03	-5.56e-04
3270	198	0.40	4.32	-0.90	0.0	1.67e-04	-3.81e-05
3270	203	-2.70	-7.14	-0.33	0.0	-6.91e-04	3.29e-04
3270	205	5.67	3.62	-0.26	0.0	1.27e-03	-6.53e-04
3270	230	0.46	5.06	-0.95	0.0	1.84e-04	-4.66e-05
3270	235	-3.21	-8.41	-0.30	0.0	-8.19e-04	3.96e-04
3271	4	9.93e-03	0.45	-1.05	-3.77e-05	9.03e-05	-3.62e-06
3271	48	6.39e-03	-0.75	-0.69	-2.02e-05	6.90e-05	-1.38e-06
3271	52	0.01	5.51e-03	-1.03	-3.52e-05	9.29e-05	-3.61e-06
3271	68	6.88e-03	0.30	-0.74	-2.61e-05	6.37e-05	-2.49e-06
3271	88	5.57e-03	-0.50	-0.60	-1.80e-05	6.01e-05	-1.35e-06
3271	92	7.04e-03	4.32e-03	-0.72	-2.44e-05	6.55e-05	-2.48e-06
3271	98	5.75e-03	4.51e-03	-0.60	-2.02e-05	5.49e-05	-2.02e-06
3271	102	3.34e-03	0.10	-0.39	-1.23e-05	3.72e-05	-1.08e-06
3271	106	3.39e-03	4.94e-03	-0.38	-1.18e-05	3.78e-05	-1.08e-06
3271	107	5.41e-03	4.57e-03	-0.57	-1.90e-05	5.24e-05	-1.88e-06
3271	112	3.66	5.15	-0.43	3.79e-05	1.00e-03	-4.69e-04
3271	134	0.28	3.41	-0.88	-8.18e-05	-7.22e-04	-2.04e-05
3271	136	2.08	5.71	-0.77	-4.46e-05	-1.55e-04	-2.74e-04
3271	144	4.12	5.80	-0.41	4.51e-05	1.12e-03	-5.28e-04
3271	166	0.32	3.84	-0.92	-8.96e-05	-8.19e-04	-2.34e-05
3271	168	2.34	6.44	-0.79	-4.77e-05	-1.81e-04	-3.10e-04
3271	176	4.10	5.78	-0.42	4.43e-05	1.10e-03	-5.32e-04
3271	198	0.31	3.84	-0.91	-8.83e-05	-8.00e-04	-2.65e-05
3271	200	2.35	6.46	-0.79	-4.67e-05	-1.75e-04	-3.19e-04
3271	208	4.81	6.78	-0.40	5.50e-05	1.27e-03	-6.27e-04
3271	230	0.37	4.49	-0.96	-9.97e-05	-9.39e-04	-3.35e-05
3271	232	2.79	7.62	-0.83	-5.06e-05	-2.06e-04	-3.83e-04
3272	4	0.12	0.48	-1.03	0.0	9.35e-05	-2.70e-05
3272	44	0.09	-0.96	-0.83	0.0	7.76e-05	-1.59e-05
3272	68	0.08	0.32	-0.72	0.0	6.55e-05	-1.87e-05
3272	88	0.07	-0.64	-0.59	0.0	5.50e-05	-1.13e-05
3272	98	0.07	-0.03	-0.58	0.0	5.32e-05	-1.38e-05
3272	105	0.06	-0.15	-0.55	0.0	5.04e-05	-1.23e-05
3272	107	0.06	-0.03	-0.55	0.0	5.07e-05	-1.30e-05
3272	108	4.98	5.70	-0.37	0.0	1.21e-03	-4.22e-04
3272	134	0.44	4.27	-0.86	0.0	1.57e-04	-4.24e-05
3272	139	-2.70	-6.95	-0.35	0.0	-5.99e-04	2.95e-04
3272	140	5.60	6.42	-0.35	0.0	1.36e-03	-4.74e-04
3272	166	0.49	4.82	-0.90	0.0	1.70e-04	-4.68e-05
3272	171	-3.05	-7.83	-0.33	0.0	-6.80e-04	3.36e-04
3272	172	5.56	6.34	-0.35	0.0	1.34e-03	-4.72e-04
3272	198	0.49	4.81	-0.89	0.0	1.67e-04	-5.05e-05

3272	203	-3.06	-7.85	-0.33	0.0	-6.67e-04	3.44e-04
3272	204	6.50	7.41	-0.33	0.0	1.55e-03	-5.52e-04
3272	230	0.56	5.64	-0.95	0.0	1.85e-04	-6.05e-05
3272	235	-3.62	-9.24	-0.29	0.0	-7.90e-04	4.16e-04
3273	4	0.16	0.50	-1.03	0.0	8.30e-05	-3.60e-05
3273	44	0.13	-1.06	-0.83	0.0	7.16e-05	-2.30e-05
3273	68	0.11	0.33	-0.72	0.0	5.83e-05	-2.49e-05
3273	88	0.09	-0.71	-0.59	0.0	5.07e-05	-1.63e-05
3273	98	0.09	-0.05	-0.58	0.0	4.81e-05	-1.88e-05
3273	105	0.09	-0.18	-0.55	0.0	4.57e-05	-1.70e-05
3273	107	0.09	-0.05	-0.55	0.0	4.58e-05	-1.77e-05
3273	108	5.59	6.07	-0.37	0.0	1.12e-03	-4.41e-04
3273	134	0.53	4.71	-0.86	0.0	-6.40e-04	-5.22e-05
3273	139	-3.00	-7.59	-0.35	0.0	2.28e-04	3.07e-04
3273	140	6.28	6.84	-0.35	0.0	1.26e-03	-4.94e-04
3273	166	0.58	5.31	-0.90	0.0	-7.26e-04	-5.73e-05
3273	171	-3.40	-8.54	-0.33	0.0	2.50e-04	3.49e-04
3273	172	6.23	6.75	-0.35	0.0	1.24e-03	-4.91e-04
3273	198	0.57	5.30	-0.89	0.0	-7.11e-04	-6.10e-05
3273	203	-3.39	-8.56	-0.33	0.0	2.45e-04	3.57e-04
3273	204	7.28	7.88	-0.32	0.0	1.43e-03	-5.73e-04
3273	230	0.65	6.21	-0.95	0.0	-8.34e-04	-7.21e-05
3273	235	-4.02	-10.06	-0.29	0.0	2.71e-04	4.32e-04
3274	4	0.20	0.51	-1.03	0.0	7.00e-05	-4.05e-05
3274	44	0.17	-1.17	-0.83	0.0	6.35e-05	-2.77e-05
3274	68	0.14	0.34	-0.72	0.0	4.93e-05	-2.81e-05
3274	88	0.12	-0.78	-0.59	0.0	4.50e-05	-1.95e-05
3274	98	0.12	-0.06	-0.58	0.0	4.15e-05	-2.16e-05
3274	105	0.11	-0.20	-0.55	0.0	3.98e-05	-1.97e-05
3274	107	0.11	-0.06	-0.55	0.0	3.96e-05	-2.04e-05
3274	108	6.14	6.44	-0.37	0.0	1.02e-03	-4.52e-04
3274	134	0.61	5.15	-0.86	0.0	-6.04e-04	-5.90e-05
3274	139	-3.29	-8.22	-0.36	0.0	2.21e-04	3.15e-04
3274	140	6.90	7.26	-0.35	0.0	1.15e-03	-5.06e-04
3274	166	0.67	5.80	-0.90	0.0	-6.84e-04	-6.46e-05
3274	171	-3.72	-9.26	-0.33	0.0	2.44e-04	3.59e-04
3274	172	6.84	7.16	-0.36	0.0	1.12e-03	-5.02e-04
3274	198	0.66	5.79	-0.89	0.0	-6.69e-04	-6.82e-05
3274	203	-3.71	-9.26	-0.33	0.0	2.38e-04	3.66e-04
3274	204	7.99	8.36	-0.33	0.0	1.30e-03	-5.85e-04
3274	230	0.75	6.79	-0.95	0.0	-7.85e-04	-8.01e-05
3274	235	-4.40	-10.89	-0.29	0.0	2.65e-04	4.43e-04
3275	4	0.06	0.46	-0.92	0.0	8.96e-05	-1.57e-05
3275	44	0.05	-0.85	-0.74	0.0	7.51e-05	-7.88e-06
3275	68	0.04	0.31	-0.64	0.0	6.28e-05	-1.08e-05
3275	88	0.03	-0.57	-0.53	0.0	5.31e-05	-5.62e-06
3275	98	0.03	-0.01	-0.52	0.0	5.12e-05	-7.62e-06
3275	105	0.03	-0.12	-0.49	0.0	4.85e-05	-6.70e-06
3275	107	0.03	-0.01	-0.49	0.0	4.88e-05	-7.19e-06
3275	108	4.13	5.33	-0.36	0.0	1.29e-03	-3.91e-04
3275	134	0.37	3.84	-0.76	0.0	1.65e-04	-3.06e-05
3275	139	-2.29	-6.32	-0.32	0.0	-6.42e-04	2.75e-04
3275	140	4.65	6.01	-0.35	0.0	1.45e-03	-4.39e-04
3275	166	0.41	4.33	-0.79	0.0	1.78e-04	-3.42e-05
3275	171	-2.59	-7.12	-0.29	0.0	-7.28e-04	3.13e-04
3275	176	4.61	6.21	-0.40	0.0	1.41e-03	-5.43e-04
3275	198	0.41	4.32	-0.78	0.0	1.75e-04	-3.75e-05
3275	203	-2.59	-7.14	-0.29	0.0	-7.12e-04	3.21e-04
3275	208	5.40	7.28	-0.38	0.0	1.63e-03	-6.38e-04
3275	230	0.47	5.06	-0.83	0.0	1.94e-04	-4.59e-05
3275	235	-3.06	-8.41	-0.26	0.0	-8.41e-04	3.87e-04
3276	4	8.02e-03	0.45	-0.91	-1.66e-04	8.60e-05	-7.77e-06
3276	48	5.65e-03	-0.75	-0.59	-1.02e-04	6.56e-05	-4.16e-06
3276	52	8.25e-03	5.98e-03	-0.89	-1.60e-04	8.86e-05	-7.70e-06
3276	68	5.57e-03	0.30	-0.64	-1.16e-04	6.06e-05	-5.39e-06
3276	88	4.85e-03	-0.50	-0.52	-9.00e-05	5.69e-05	-3.79e-06
3276	92	5.72e-03	4.69e-03	-0.62	-1.12e-04	6.24e-05	-5.35e-06
3276	98	4.68e-03	4.88e-03	-0.52	-9.23e-05	5.21e-05	-4.40e-06
3276	102	2.75e-03	0.10	-0.33	-5.86e-05	3.48e-05	-2.65e-06
3276	106	2.81e-03	5.31e-03	-0.33	-5.72e-05	3.54e-05	-2.63e-06
3276	107	4.41e-03	4.94e-03	-0.49	-8.73e-05	4.97e-05	-4.15e-06
3276	112	3.46	5.15	-0.39	-2.83e-05	1.02e-03	-4.68e-04
3276	134	0.29	3.41	-0.75	-1.77e-04	-7.42e-04	-2.27e-05
3276	136	1.97	5.71	-0.67	-1.35e-04	-1.65e-04	-2.75e-04
3276	144	3.90	5.81	-0.38	-2.08e-05	1.14e-03	-5.27e-04

3276	166	0.32	3.85	-0.79	-1.88e-04	-8.41e-04	-2.56e-05
3276	168	2.22	6.44	-0.69	-1.41e-04	-1.91e-04	-3.10e-04
3276	176	3.87	5.78	-0.39	-2.27e-05	1.12e-03	-5.30e-04
3276	198	0.32	3.84	-0.78	-1.86e-04	-8.21e-04	-2.88e-05
3276	200	2.23	6.47	-0.69	-1.40e-04	-1.85e-04	-3.19e-04
3276	208	4.54	6.78	-0.38	-1.23e-05	1.29e-03	-6.25e-04
3276	230	0.37	4.50	-0.83	-2.01e-04	-9.62e-04	-3.58e-05
3276	232	2.63	7.62	-0.73	-1.48e-04	-2.17e-04	-3.83e-04
3277	4	0.10	0.48	-0.92	0.0	8.55e-05	-2.45e-05
3277	44	0.09	-0.96	-0.75	0.0	7.24e-05	-1.22e-05
3277	68	0.07	0.32	-0.64	0.0	6.00e-05	-1.69e-05
3277	88	0.06	-0.64	-0.53	0.0	5.12e-05	-8.69e-06
3277	98	0.06	-0.03	-0.52	0.0	4.91e-05	-1.17e-05
3277	105	0.06	-0.15	-0.49	0.0	4.66e-05	-1.03e-05
3277	107	0.06	-0.03	-0.50	0.0	4.68e-05	-1.10e-05
3277	108	4.79	5.70	-0.36	0.0	1.23e-03	-4.12e-04
3277	134	0.46	4.27	-0.76	0.0	-6.98e-04	-4.09e-05
3277	139	-2.62	-6.95	-0.32	0.0	2.43e-04	2.92e-04
3277	140	5.39	6.42	-0.35	0.0	1.38e-03	-4.63e-04
3277	166	0.51	4.82	-0.79	0.0	-7.91e-04	-4.53e-05
3277	171	-2.96	-7.83	-0.30	0.0	2.68e-04	3.32e-04
3277	172	5.34	6.34	-0.36	0.0	1.35e-03	-4.61e-04
3277	198	0.50	4.81	-0.78	0.0	-7.73e-04	-4.89e-05
3277	203	-2.95	-7.85	-0.30	0.0	2.62e-04	3.40e-04
3277	204	6.24	7.41	-0.34	0.0	1.56e-03	-5.39e-04
3277	230	0.57	5.64	-0.83	0.0	-9.06e-04	-5.89e-05
3277	235	-3.49	-9.24	-0.26	0.0	2.90e-04	4.09e-04
3278	4	0.15	0.50	-0.93	0.0	7.88e-05	-3.10e-05
3278	44	0.12	-1.06	-0.75	0.0	6.81e-05	-1.63e-05
3278	68	0.10	0.33	-0.65	0.0	5.54e-05	-2.14e-05
3278	88	0.09	-0.71	-0.53	0.0	4.82e-05	-1.16e-05
3278	98	0.08	-0.05	-0.53	0.0	4.57e-05	-1.50e-05
3278	105	0.08	-0.18	-0.49	0.0	4.35e-05	-1.33e-05
3278	107	0.08	-0.05	-0.50	0.0	4.35e-05	-1.42e-05
3278	108	5.41	6.07	-0.37	0.0	1.14e-03	-4.29e-04
3278	134	0.54	4.71	-0.76	0.0	-6.59e-04	-5.02e-05
3278	139	-2.93	-7.59	-0.32	0.0	2.35e-04	3.06e-04
3278	140	6.08	6.84	-0.35	0.0	1.28e-03	-4.82e-04
3278	166	0.60	5.31	-0.79	0.0	-7.47e-04	-5.54e-05
3278	171	-3.31	-8.55	-0.30	0.0	2.59e-04	3.48e-04
3278	172	6.02	6.75	-0.36	0.0	1.25e-03	-4.79e-04
3278	198	0.59	5.30	-0.79	0.0	-7.30e-04	-5.90e-05
3278	203	-3.30	-8.56	-0.30	0.0	2.54e-04	3.55e-04
3278	204	7.02	7.88	-0.34	0.0	1.45e-03	-5.58e-04
3278	230	0.67	6.22	-0.83	0.0	-8.55e-04	-7.03e-05
3278	235	-3.90	-10.06	-0.27	0.0	2.82e-04	4.28e-04
3279	4	0.19	0.51	-0.93	0.0	7.17e-05	-3.26e-05
3279	44	0.16	-1.17	-0.76	0.0	6.37e-05	-1.83e-05
3279	68	0.13	0.34	-0.65	0.0	5.05e-05	-2.26e-05
3279	88	0.11	-0.78	-0.54	0.0	4.51e-05	-1.30e-05
3279	98	0.11	-0.06	-0.53	0.0	4.21e-05	-1.61e-05
3279	105	0.10	-0.20	-0.50	0.0	4.02e-05	-1.44e-05
3279	107	0.10	-0.06	-0.50	0.0	4.02e-05	-1.52e-05
3279	108	5.97	6.44	-0.37	0.0	1.05e-03	-4.39e-04
3279	134	0.63	5.15	-0.76	0.0	-6.18e-04	-5.61e-05
3279	139	-3.23	-8.22	-0.33	0.0	2.27e-04	3.17e-04
3279	140	6.72	7.26	-0.35	0.0	1.17e-03	-4.92e-04
3279	166	0.69	5.80	-0.79	0.0	-7.00e-04	-6.19e-05
3279	171	-3.65	-9.26	-0.31	0.0	2.50e-04	3.61e-04
3279	172	6.64	7.16	-0.36	0.0	1.15e-03	-4.88e-04
3279	198	0.68	5.80	-0.79	0.0	-6.84e-04	-6.54e-05
3279	203	-3.62	-9.26	-0.31	0.0	2.45e-04	3.67e-04
3279	204	7.74	8.36	-0.34	0.0	1.33e-03	-5.68e-04
3279	230	0.77	6.79	-0.83	0.0	-8.01e-04	-7.76e-05
3279	235	-4.28	-10.89	-0.27	0.0	2.73e-04	4.42e-04
3280	4	0.05	0.47	-0.66	0.0	8.38e-05	-1.30e-05
3280	28	0.05	-0.52	-0.62	0.0	8.47e-05	-7.24e-06
3280	44	0.04	-0.85	-0.53	0.0	7.42e-05	-4.23e-06
3280	68	0.03	0.31	-0.46	0.0	5.89e-05	-8.97e-06
3280	80	0.03	-0.35	-0.44	0.0	5.94e-05	-5.10e-06
3280	88	0.03	-0.57	-0.37	0.0	5.25e-05	-3.10e-06
3280	98	0.03	-0.01	-0.37	0.0	4.92e-05	-5.51e-06
3280	105	0.03	-0.12	-0.35	0.0	4.69e-05	-4.66e-06
3280	107	0.03	-0.01	-0.35	0.0	4.69e-05	-5.20e-06
3280	113	3.96	2.50	-0.19	0.0	1.31e-03	-3.62e-04

3280	134	-2.44	3.84	-0.57	0.0	-7.53e-04	-2.94e-05
3280	139	0.61	-6.32	-0.20	0.0	2.63e-04	2.62e-04
3280	145	4.46	2.82	-0.17	0.0	1.46e-03	-4.07e-04
3280	166	-2.75	4.33	-0.60	0.0	-8.53e-04	-3.31e-05
3280	171	0.68	-7.12	-0.17	0.0	2.90e-04	2.97e-04
3280	177	4.41	2.80	-0.18	0.0	1.43e-03	-4.06e-04
3280	198	-2.72	4.32	-0.59	0.0	-8.32e-04	-3.60e-05
3280	203	0.65	-7.14	-0.17	0.0	2.84e-04	3.04e-04
3280	209	5.15	3.28	-0.15	0.0	1.66e-03	-4.75e-04
3280	230	-3.18	5.07	-0.63	0.0	-9.74e-04	-4.42e-05
3280	235	0.73	-8.41	-0.14	0.0	3.16e-04	3.65e-04
3281	4	0.09	0.48	-0.70	0.0	7.99e-05	-2.16e-05
3281	28	0.09	-0.60	-0.67	0.0	8.01e-05	-1.14e-05
3281	44	0.08	-0.96	-0.57	0.0	7.02e-05	-6.44e-06
3281	68	0.06	0.32	-0.49	0.0	5.61e-05	-1.49e-05
3281	80	0.06	-0.40	-0.47	0.0	5.62e-05	-8.02e-06
3281	88	0.06	-0.64	-0.40	0.0	4.97e-05	-4.74e-06
3281	98	0.05	-0.03	-0.40	0.0	4.67e-05	-8.79e-06
3281	105	0.05	-0.15	-0.37	0.0	4.45e-05	-7.39e-06
3281	107	0.05	-0.03	-0.38	0.0	4.45e-05	-8.31e-06
3281	108	4.63	5.70	-0.29	0.0	1.24e-03	-3.97e-04
3281	134	-2.82	4.28	-0.59	0.0	-7.18e-04	-3.83e-05
3281	139	0.74	-6.95	-0.23	0.0	2.54e-04	2.86e-04
3281	140	5.20	6.42	-0.28	0.0	1.39e-03	-4.46e-04
3281	166	-3.18	4.82	-0.62	0.0	-8.14e-04	-4.28e-05
3281	171	0.83	-7.83	-0.21	0.0	2.80e-04	3.25e-04
3281	172	5.14	6.34	-0.29	0.0	1.36e-03	-4.44e-04
3281	198	-3.14	4.81	-0.61	0.0	-7.94e-04	-4.61e-05
3281	203	0.80	-7.85	-0.21	0.0	2.74e-04	3.32e-04
3281	204	6.00	7.41	-0.28	0.0	1.58e-03	-5.19e-04
3281	230	-3.67	5.64	-0.65	0.0	-9.29e-04	-5.59e-05
3281	235	0.89	-9.24	-0.18	0.0	3.06e-04	4.00e-04
3282	4	0.13	0.50	-0.73	0.0	7.65e-05	-2.69e-05
3282	28	0.13	-0.68	-0.70	0.0	7.61e-05	-1.43e-05
3282	44	0.12	-1.06	-0.60	0.0	6.67e-05	-8.27e-06
3282	68	0.09	0.33	-0.51	0.0	5.37e-05	-1.85e-05
3282	80	0.09	-0.46	-0.49	0.0	5.35e-05	-1.01e-05
3282	88	0.08	-0.71	-0.42	0.0	4.73e-05	-6.08e-06
3282	98	0.08	-0.05	-0.42	0.0	4.45e-05	-1.10e-05
3282	105	0.07	-0.18	-0.39	0.0	4.25e-05	-9.26e-06
3282	107	0.07	-0.05	-0.40	0.0	4.25e-05	-1.04e-05
3282	108	5.25	6.07	-0.31	0.0	1.16e-03	-4.15e-04
3282	134	-3.18	4.71	-0.60	0.0	-6.75e-04	-4.66e-05
3282	139	0.87	-7.59	-0.25	0.0	2.44e-04	3.02e-04
3282	140	5.90	6.84	-0.30	0.0	1.30e-03	-4.66e-04
3282	166	-3.59	5.31	-0.63	0.0	-7.65e-04	-5.18e-05
3282	171	0.97	-8.55	-0.23	0.0	2.69e-04	3.43e-04
3282	172	5.82	6.75	-0.31	0.0	1.27e-03	-4.62e-04
3282	198	-3.54	5.30	-0.62	0.0	-7.46e-04	-5.52e-05
3282	203	0.94	-8.56	-0.23	0.0	2.64e-04	3.50e-04
3282	204	6.79	7.88	-0.30	0.0	1.47e-03	-5.39e-04
3282	230	-4.14	6.22	-0.66	0.0	-8.73e-04	-6.63e-05
3282	235	1.05	-10.06	-0.20	0.0	2.94e-04	4.21e-04
3283	4	0.17	0.51	-0.76	0.0	7.42e-05	-2.71e-05
3283	28	0.17	-0.76	-0.73	0.0	7.32e-05	-1.49e-05
3283	44	0.15	-1.17	-0.62	0.0	6.43e-05	-8.87e-06
3283	68	0.12	0.34	-0.53	0.0	5.22e-05	-1.87e-05
3283	80	0.12	-0.51	-0.51	0.0	5.16e-05	-1.05e-05
3283	88	0.11	-0.78	-0.44	0.0	4.56e-05	-6.50e-06
3283	98	0.10	-0.06	-0.43	0.0	4.30e-05	-1.12e-05
3283	105	0.10	-0.20	-0.41	0.0	4.11e-05	-9.55e-06
3283	107	0.10	-0.06	-0.41	0.0	4.11e-05	-1.06e-05
3283	108	5.83	6.44	-0.32	0.0	1.07e-03	-4.26e-04
3283	134	-3.52	5.15	-0.61	0.0	-6.31e-04	-5.18e-05
3283	139	1.00	-8.22	-0.27	0.0	2.34e-04	3.16e-04
3283	140	6.55	7.26	-0.31	0.0	1.20e-03	-4.79e-04
3283	166	-3.98	5.81	-0.64	0.0	-7.15e-04	-5.77e-05
3283	171	1.11	-9.26	-0.25	0.0	2.58e-04	3.59e-04
3283	172	6.46	7.16	-0.32	0.0	1.17e-03	-4.74e-04
3283	198	-3.92	5.80	-0.63	0.0	-6.97e-04	-6.09e-05
3283	203	1.07	-9.26	-0.25	0.0	2.53e-04	3.64e-04
3283	204	7.52	8.36	-0.31	0.0	1.35e-03	-5.52e-04
3283	230	-4.58	6.79	-0.67	0.0	-8.16e-04	-7.31e-05
3283	235	1.20	-10.89	-0.22	0.0	2.83e-04	4.38e-04
3284	4	0.29	0.53	-0.92	0.0	4.58e-05	-5.04e-05

3284	44	0.24	-1.26	-0.72	0.0	4.77e-05	-3.85e-05
3284	68	0.20	0.35	-0.64	0.0	3.26e-05	-3.50e-05
3284	88	0.17	-0.84	-0.51	0.0	3.39e-05	-2.71e-05
3284	98	0.16	-0.08	-0.51	0.0	2.91e-05	-2.82e-05
3284	105	0.16	-0.23	-0.48	0.0	2.85e-05	-2.61e-05
3284	107	0.16	-0.07	-0.49	0.0	2.79e-05	-2.66e-05
3284	109	6.99	3.23	-0.14	0.0	8.56e-04	-5.57e-04
3284	114	-5.26	-3.01	-0.89	0.0	-8.13e-04	3.97e-04
3284	139	-3.69	-8.83	-0.27	0.0	1.90e-04	3.02e-04
3284	141	7.86	3.65	-0.10	0.0	9.60e-04	-6.24e-04
3284	146	-5.95	-3.39	-0.94	0.0	-9.19e-04	4.50e-04
3284	171	-4.18	-9.94	-0.24	0.0	2.10e-04	3.45e-04
3284	173	7.81	3.64	-0.11	0.0	9.43e-04	-6.21e-04
3284	178	-5.92	-3.33	-0.93	0.0	-9.01e-04	4.46e-04
3284	203	-4.20	-9.94	-0.24	0.0	2.05e-04	3.51e-04
3284	205	9.13	4.29	-0.05	0.0	1.09e-03	-7.24e-04
3284	210	-6.96	-3.88	-1.00	0.0	-1.05e-03	5.26e-04
3284	235	-4.99	-11.68	-0.20	0.0	2.29e-04	4.25e-04
3285	4	0.30	0.57	-0.93	0.0	9.01e-06	-7.29e-05
3285	44	0.26	-1.35	-0.74	0.0	1.97e-05	-5.07e-05
3285	68	0.21	0.37	-0.65	0.0	7.12e-06	-5.05e-05
3285	88	0.18	-0.90	-0.52	0.0	1.43e-05	-3.57e-05
3285	98	0.17	-0.08	-0.53	0.0	8.78e-06	-3.96e-05
3285	105	0.17	-0.24	-0.49	0.0	9.71e-06	-3.62e-05
3285	107	0.17	-0.08	-0.50	0.0	8.82e-06	-3.73e-05
3285	112	7.37	7.61	-0.27	0.0	5.81e-04	-6.07e-04
3285	114	-5.54	-3.14	-0.90	0.0	-7.51e-04	4.08e-04
3285	139	-3.91	-9.48	-0.28	0.0	1.68e-04	3.30e-04
3285	144	8.29	8.59	-0.24	0.0	6.53e-04	-6.79e-04
3285	146	-6.26	-3.53	-0.95	0.0	-8.47e-04	4.64e-04
3285	171	-4.43	-10.67	-0.26	0.0	1.88e-04	3.78e-04
3285	176	8.24	8.50	-0.25	0.0	6.41e-04	-6.73e-04
3285	178	-6.22	-3.46	-0.94	0.0	-8.31e-04	4.57e-04
3285	203	-4.44	-10.67	-0.26	0.0	1.84e-04	3.84e-04
3285	208	9.62	9.95	-0.21	0.0	7.45e-04	-7.83e-04
3285	210	-7.32	-4.03	-1.01	0.0	-9.68e-04	5.40e-04
3285	235	-5.28	-12.53	-0.22	0.0	2.07e-04	4.66e-04
3286	4	0.29	0.56	-0.97	0.0	-5.97e-06	1.30e-05
3286	44	0.25	-1.44	-0.77	0.0	1.04e-05	7.82e-06
3286	52	0.29	-0.19	-0.94	0.0	-1.68e-06	1.11e-05
3286	68	0.20	0.37	-0.68	0.0	-3.17e-06	8.83e-06
3286	88	0.18	-0.96	-0.55	0.0	7.74e-06	5.41e-06
3286	92	0.20	-0.13	-0.66	0.0	0.0	7.57e-06
3286	98	0.17	-0.11	-0.55	0.0	-1.49e-06	6.22e-06
3286	105	0.16	-0.27	-0.51	0.0	0.0	5.60e-06
3286	107	0.16	-0.10	-0.52	0.0	0.0	5.76e-06
3286	112	7.72	7.89	-0.28	0.0	4.41e-04	-5.23e-04
3286	114	-5.81	-3.23	-0.92	0.0	-5.67e-04	4.22e-04
3286	139	-4.13	-9.93	-0.31	0.0	9.36e-05	3.44e-04
3286	144	8.68	8.90	-0.25	0.0	4.97e-04	-5.90e-04
3286	146	-6.57	-3.62	-0.97	0.0	-6.38e-04	4.74e-04
3286	171	-4.68	-11.18	-0.29	0.0	1.05e-04	3.88e-04
3286	176	8.62	8.80	-0.26	0.0	4.88e-04	-5.80e-04
3286	178	-6.52	-3.55	-0.96	0.0	-6.26e-04	4.64e-04
3286	203	-4.69	-11.18	-0.29	0.0	1.02e-04	3.90e-04
3286	208	10.07	10.30	-0.22	0.0	5.69e-04	-6.78e-04
3286	210	-7.67	-4.13	-1.03	0.0	-7.29e-04	5.39e-04
3286	235	-5.57	-13.12	-0.25	0.0	1.16e-04	4.62e-04
3287	4	0.26	0.53	-1.02	0.0	4.95e-05	-4.78e-05
3287	44	0.22	-1.26	-0.82	0.0	5.02e-05	-3.61e-05
3287	68	0.18	0.35	-0.72	0.0	3.52e-05	-3.32e-05
3287	88	0.15	-0.84	-0.58	0.0	3.57e-05	-2.54e-05
3287	98	0.15	-0.08	-0.58	0.0	3.09e-05	-2.66e-05
3287	105	0.14	-0.23	-0.54	0.0	3.02e-05	-2.46e-05
3287	107	0.14	-0.07	-0.55	0.0	2.97e-05	-2.51e-05
3287	108	6.79	6.81	-0.32	0.0	7.12e-04	-4.61e-04
3287	134	0.67	5.57	-0.90	0.0	-5.57e-04	-6.37e-05
3287	139	-3.61	-8.83	-0.33	0.0	2.05e-04	3.16e-04
3287	140	7.64	7.67	-0.29	0.0	7.98e-04	-5.17e-04
3287	166	0.74	6.28	-0.95	0.0	-6.30e-04	-6.93e-05
3287	171	-4.09	-9.94	-0.31	0.0	2.27e-04	3.60e-04
3287	172	7.58	7.55	-0.30	0.0	7.83e-04	-5.12e-04
3287	198	0.73	6.27	-0.94	0.0	-6.17e-04	-7.26e-05
3287	203	-4.09	-9.94	-0.31	0.0	2.22e-04	3.67e-04
3287	204	8.85	8.82	-0.26	0.0	9.07e-04	-5.95e-04

3287	230	0.83	7.35	-1.00	0.0	-7.22e-04	-8.44e-05
3287	235	-4.86	-11.68	-0.27	0.0	2.48e-04	4.44e-04
3288	4	0.28	0.56	-1.04	0.0	3.18e-05	-4.28e-05
3288	44	0.24	-1.35	-0.83	0.0	3.69e-05	-3.19e-05
3288	68	0.19	0.37	-0.73	0.0	2.29e-05	-2.97e-05
3288	88	0.17	-0.90	-0.59	0.0	2.63e-05	-2.24e-05
3288	98	0.16	-0.09	-0.59	0.0	2.13e-05	-2.39e-05
3288	105	0.15	-0.25	-0.55	0.0	2.13e-05	-2.20e-05
3288	107	0.15	-0.08	-0.56	0.0	2.06e-05	-2.25e-05
3288	112	7.21	7.59	-0.38	0.0	6.35e-04	-5.65e-04
3288	134	0.74	6.01	-0.91	0.0	-5.28e-04	-6.80e-05
3288	139	-3.85	-9.46	-0.34	0.0	1.90e-04	3.22e-04
3288	144	8.10	8.56	-0.35	0.0	7.12e-04	-6.34e-04
3288	166	0.82	6.78	-0.96	0.0	-5.97e-04	-7.44e-05
3288	171	-4.36	-10.65	-0.31	0.0	2.11e-04	3.67e-04
3288	176	8.03	8.48	-0.36	0.0	6.98e-04	-6.27e-04
3288	198	0.81	6.77	-0.95	0.0	-5.84e-04	-7.74e-05
3288	203	-4.35	-10.64	-0.31	0.0	2.06e-04	3.72e-04
3288	208	9.38	9.92	-0.34	0.0	8.09e-04	-7.31e-04
3288	230	0.92	7.93	-1.01	0.0	-6.82e-04	-9.03e-05
3288	235	-5.17	-12.50	-0.27	0.0	2.32e-04	4.48e-04
3289	4	0.29	0.56	-1.07	0.0	5.97e-05	1.02e-05
3289	44	0.25	-1.44	-0.86	0.0	5.64e-05	6.22e-06
3289	68	0.20	0.37	-0.75	0.0	4.21e-05	6.94e-06
3289	88	0.18	-0.96	-0.61	0.0	3.99e-05	4.30e-06
3289	98	0.17	-0.11	-0.60	0.0	3.37e-05	4.85e-06
3289	105	0.16	-0.27	-0.57	0.0	3.27e-05	4.39e-06
3289	107	0.16	-0.10	-0.57	0.0	3.25e-05	4.49e-06
3289	112	7.60	7.89	-0.40	0.0	6.22e-04	-5.26e-04
3289	134	0.81	6.34	-0.93	0.0	7.54e-05	-4.46e-05
3289	139	-4.08	-9.94	-0.35	0.0	-2.86e-04	3.45e-04
3289	144	8.54	8.90	-0.37	0.0	6.96e-04	-5.93e-04
3289	166	0.89	7.15	-0.98	0.0	8.06e-05	-5.13e-05
3289	171	-4.61	-11.18	-0.32	0.0	-3.26e-04	3.89e-04
3289	176	8.46	8.80	-0.38	0.0	6.83e-04	-5.83e-04
3289	198	0.88	7.14	-0.97	0.0	7.90e-05	-5.35e-05
3289	203	-4.60	-11.18	-0.32	0.0	-3.19e-04	3.90e-04
3289	208	9.88	10.30	-0.36	0.0	7.90e-04	-6.81e-04
3289	230	0.99	8.37	-1.03	0.0	8.61e-05	-6.66e-05
3289	235	-5.46	-13.12	-0.28	0.0	-3.79e-04	4.64e-04
3290	4	0.24	0.53	-1.03	0.0	5.80e-05	-3.73e-05
3290	44	0.20	-1.26	-0.84	0.0	5.57e-05	-2.66e-05
3290	68	0.17	0.35	-0.72	0.0	4.11e-05	-2.59e-05
3290	88	0.14	-0.84	-0.59	0.0	3.95e-05	-1.87e-05
3290	98	0.14	-0.08	-0.59	0.0	3.53e-05	-2.03e-05
3290	105	0.13	-0.23	-0.55	0.0	3.42e-05	-1.86e-05
3290	107	0.13	-0.07	-0.56	0.0	3.38e-05	-1.91e-05
3290	108	6.62	6.81	-0.37	0.0	7.38e-04	-4.51e-04
3290	134	0.69	5.57	-0.86	0.0	-5.71e-04	-6.11e-05
3290	139	-3.55	-8.83	-0.36	0.0	2.13e-04	3.22e-04
3290	140	7.44	7.67	-0.35	0.0	8.27e-04	-5.05e-04
3290	166	0.76	6.28	-0.90	0.0	-6.46e-04	-6.70e-05
3290	171	-4.01	-9.94	-0.33	0.0	2.35e-04	3.66e-04
3290	172	7.37	7.55	-0.36	0.0	8.10e-04	-5.00e-04
3290	198	0.75	6.27	-0.90	0.0	-6.32e-04	-7.03e-05
3290	203	-4.00	-9.94	-0.33	0.0	2.30e-04	3.72e-04
3290	204	8.60	8.82	-0.33	0.0	9.38e-04	-5.81e-04
3290	230	0.85	7.35	-0.95	0.0	-7.40e-04	-8.27e-05
3290	235	-4.74	-11.68	-0.30	0.0	2.57e-04	4.48e-04
3291	4	0.26	0.55	-1.05	0.0	5.05e-05	-2.62e-05
3291	44	0.22	-1.35	-0.85	0.0	5.04e-05	-1.94e-05
3291	68	0.18	0.37	-0.73	0.0	3.58e-05	-1.82e-05
3291	88	0.16	-0.90	-0.60	0.0	3.58e-05	-1.37e-05
3291	98	0.15	-0.09	-0.59	0.0	3.14e-05	-1.46e-05
3291	105	0.14	-0.25	-0.56	0.0	3.06e-05	-1.34e-05
3291	107	0.14	-0.08	-0.56	0.0	3.01e-05	-1.38e-05
3291	112	7.06	7.58	-0.42	0.0	6.76e-04	-5.50e-04
3291	134	0.76	6.00	-0.87	0.0	-5.44e-04	-5.92e-05
3291	139	-3.79	-9.44	-0.37	0.0	2.05e-04	3.27e-04
3291	144	7.93	8.54	-0.41	0.0	7.58e-04	-6.18e-04
3291	166	0.84	6.76	-0.91	0.0	-6.15e-04	-6.55e-05
3291	171	-4.29	-10.63	-0.34	0.0	2.27e-04	3.71e-04
3291	176	7.85	8.46	-0.42	0.0	7.42e-04	-6.11e-04
3291	198	0.83	6.75	-0.90	0.0	-6.02e-04	-6.83e-05
3291	203	-4.27	-10.62	-0.34	0.0	2.22e-04	3.75e-04

3291	208	9.16	9.90	-0.39	0.0	8.58e-04	-7.13e-04
3291	230	0.94	7.91	-0.96	0.0	-7.04e-04	-8.11e-05
3291	235	-5.06	-12.48	-0.31	0.0	2.48e-04	4.50e-04
3292	4	0.28	0.56	-1.08	0.0	7.97e-05	3.05e-06
3292	44	0.25	-1.44	-0.88	0.0	6.99e-05	1.16e-06
3292	68	0.20	0.37	-0.76	0.0	5.58e-05	2.02e-06
3292	88	0.18	-0.96	-0.62	0.0	4.92e-05	0.0
3292	98	0.17	-0.11	-0.61	0.0	4.45e-05	1.02e-06
3292	105	0.16	-0.27	-0.58	0.0	4.24e-05	0.0
3292	107	0.16	-0.10	-0.58	0.0	4.25e-05	0.0
3292	113	7.48	3.02	-0.30	0.0	5.29e-04	-4.16e-04
3292	134	-4.44	6.34	-0.89	0.0	7.77e-05	-4.90e-05
3292	139	1.25	-9.94	-0.39	0.0	-2.76e-04	3.43e-04
3292	145	8.40	3.42	-0.26	0.0	5.91e-04	-4.68e-04
3292	166	-5.02	7.15	-0.93	0.0	8.18e-05	-5.57e-05
3292	171	1.38	-11.19	-0.36	0.0	-3.16e-04	3.87e-04
3292	177	8.31	3.35	-0.27	0.0	5.80e-04	-4.58e-04
3292	198	-4.95	7.14	-0.92	0.0	8.01e-05	-5.80e-05
3292	203	1.33	-11.18	-0.36	0.0	-3.08e-04	3.89e-04
3292	209	9.69	3.92	-0.23	0.0	6.69e-04	-5.33e-04
3292	230	-5.81	8.37	-0.97	0.0	8.58e-05	-7.13e-05
3292	235	1.48	-13.12	-0.33	0.0	-3.67e-04	4.62e-04
3293	4	0.22	0.53	-0.95	0.0	6.65e-05	-2.79e-05
3293	44	0.19	-1.26	-0.77	0.0	6.05e-05	-1.66e-05
3293	68	0.15	0.35	-0.66	0.0	4.69e-05	-1.94e-05
3293	88	0.13	-0.84	-0.55	0.0	4.29e-05	-1.18e-05
3293	98	0.13	-0.08	-0.54	0.0	3.95e-05	-1.41e-05
3293	105	0.12	-0.23	-0.51	0.0	3.79e-05	-1.27e-05
3293	107	0.12	-0.07	-0.51	0.0	3.77e-05	-1.34e-05
3293	108	6.47	6.81	-0.38	0.0	9.68e-04	-4.39e-04
3293	134	-3.86	5.57	-0.77	0.0	-5.82e-04	-5.74e-05
3293	139	1.08	-8.83	-0.34	0.0	2.20e-04	3.25e-04
3293	140	7.27	7.67	-0.36	0.0	1.08e-03	-4.92e-04
3293	166	-4.36	6.28	-0.80	0.0	-6.59e-04	-6.36e-05
3293	171	1.19	-9.94	-0.32	0.0	2.43e-04	3.69e-04
3293	172	7.18	7.55	-0.37	0.0	1.06e-03	-4.86e-04
3293	198	-4.30	6.27	-0.79	0.0	-6.44e-04	-6.68e-05
3293	203	1.15	-9.94	-0.31	0.0	2.38e-04	3.74e-04
3293	204	8.37	8.82	-0.35	0.0	1.23e-03	-5.65e-04
3293	230	-5.04	7.35	-0.84	0.0	-7.54e-04	-7.95e-05
3293	235	1.28	-11.68	-0.28	0.0	2.65e-04	4.49e-04
3294	4	0.25	0.55	-0.97	0.0	6.40e-05	-1.77e-05
3294	44	0.22	-1.35	-0.79	0.0	5.90e-05	-1.14e-05
3294	68	0.18	0.36	-0.68	0.0	4.52e-05	-1.23e-05
3294	88	0.15	-0.91	-0.56	0.0	4.19e-05	-8.09e-06
3294	98	0.15	-0.09	-0.55	0.0	3.83e-05	-9.37e-06
3294	105	0.14	-0.25	-0.52	0.0	3.68e-05	-8.50e-06
3294	107	0.14	-0.09	-0.52	0.0	3.66e-05	-8.88e-06
3294	113	6.93	2.96	-0.30	0.0	9.21e-04	-4.29e-04
3294	134	-4.14	5.99	-0.78	0.0	-5.54e-04	-5.57e-05
3294	139	1.18	-9.43	-0.35	0.0	2.15e-04	3.32e-04
3294	145	7.78	3.34	-0.27	0.0	1.03e-03	-4.82e-04
3294	166	-4.68	6.75	-0.81	0.0	-6.28e-04	-6.22e-05
3294	171	1.31	-10.61	-0.33	0.0	2.37e-04	3.76e-04
3294	177	7.69	3.28	-0.28	0.0	1.01e-03	-4.74e-04
3294	198	-4.61	6.74	-0.80	0.0	-6.14e-04	-6.49e-05
3294	203	1.27	-10.61	-0.33	0.0	2.32e-04	3.79e-04
3294	209	8.95	3.85	-0.24	0.0	1.17e-03	-5.51e-04
3294	230	-5.40	7.90	-0.85	0.0	-7.19e-04	-7.79e-05
3294	235	1.41	-12.46	-0.29	0.0	2.59e-04	4.54e-04
3295	4	0.28	0.56	-1.01	0.0	8.26e-05	-1.34e-06
3295	44	0.25	-1.44	-0.83	0.0	7.10e-05	-2.00e-06
3295	68	0.20	0.37	-0.71	0.0	5.77e-05	-1.02e-06
3295	88	0.18	-0.96	-0.59	0.0	5.00e-05	-1.46e-06
3295	98	0.16	-0.11	-0.58	0.0	4.60e-05	-1.35e-06
3295	105	0.16	-0.27	-0.54	0.0	4.37e-05	-1.29e-06
3295	107	0.16	-0.10	-0.55	0.0	4.39e-05	-1.33e-06
3295	113	7.37	3.02	-0.32	0.0	5.39e-04	-4.19e-04
3295	134	-4.40	6.34	-0.80	0.0	8.35e-05	-5.15e-05
3295	139	1.29	-9.94	-0.38	0.0	-2.83e-04	3.41e-04
3295	145	8.28	3.42	-0.29	0.0	6.01e-04	-4.71e-04
3295	166	-4.98	7.15	-0.83	0.0	8.82e-05	-5.83e-05
3295	171	1.43	-11.19	-0.35	0.0	-3.24e-04	3.86e-04
3295	177	8.17	3.35	-0.31	0.0	5.89e-04	-4.62e-04
3295	198	-4.90	7.14	-0.83	0.0	8.60e-05	-6.06e-05

3295	203	1.38	-11.18	-0.35	0.0	-3.13e-04	3.87e-04
3295	209	9.51	3.92	-0.27	0.0	6.78e-04	-5.37e-04
3295	230	-5.75	8.37	-0.87	0.0	9.23e-05	-7.40e-05
3295	235	1.54	-13.12	-0.32	0.0	-3.73e-04	4.61e-04
3296	4	0.21	0.53	-0.79	0.0	7.34e-05	-2.23e-05
3296	28	0.21	-0.82	-0.76	0.0	7.20e-05	-1.28e-05
3296	44	0.18	-1.26	-0.65	0.0	6.32e-05	-7.94e-06
3296	68	0.15	0.35	-0.55	0.0	5.17e-05	-1.54e-05
3296	80	0.15	-0.55	-0.53	0.0	5.07e-05	-9.06e-06
3296	88	0.13	-0.84	-0.46	0.0	4.49e-05	-5.80e-06
3296	98	0.12	-0.08	-0.45	0.0	4.24e-05	-9.52e-06
3296	105	0.12	-0.23	-0.42	0.0	4.05e-05	-8.15e-06
3296	107	0.12	-0.07	-0.43	0.0	4.05e-05	-9.01e-06
3296	108	6.33	6.80	-0.34	0.0	9.94e-04	-4.29e-04
3296	134	-3.82	5.57	-0.63	0.0	-5.92e-04	-5.37e-05
3296	139	1.11	-8.82	-0.29	0.0	2.26e-04	3.26e-04
3296	140	7.12	7.67	-0.33	0.0	1.11e-03	-4.82e-04
3296	166	-4.32	6.28	-0.65	0.0	-6.71e-04	-5.99e-05
3296	171	1.23	-9.94	-0.27	0.0	2.49e-04	3.69e-04
3296	172	7.01	7.55	-0.33	0.0	1.09e-03	-4.75e-04
3296	198	-4.25	6.27	-0.65	0.0	-6.55e-04	-6.29e-05
3296	203	1.20	-9.94	-0.27	0.0	2.45e-04	3.74e-04
3296	209	8.16	3.73	-0.23	0.0	1.27e-03	-5.49e-04
3296	230	-4.97	7.35	-0.68	0.0	-7.67e-04	-7.57e-05
3296	235	1.34	-11.67	-0.24	0.0	2.73e-04	4.48e-04
3297	4	0.24	0.55	-0.83	0.0	7.37e-05	-1.39e-05
3297	44	0.21	-1.35	-0.68	0.0	6.31e-05	-5.87e-06
3297	68	0.17	0.36	-0.58	0.0	5.19e-05	-9.62e-06
3297	88	0.15	-0.91	-0.48	0.0	4.48e-05	-4.27e-06
3297	98	0.14	-0.09	-0.47	0.0	4.25e-05	-6.37e-06
3297	105	0.14	-0.25	-0.44	0.0	4.05e-05	-5.53e-06
3297	107	0.14	-0.09	-0.45	0.0	4.06e-05	-6.05e-06
3297	113	6.81	2.96	-0.29	0.0	9.48e-04	-4.24e-04
3297	134	-4.11	5.98	-0.64	0.0	-5.63e-04	-5.35e-05
3297	139	1.22	-9.42	-0.31	0.0	2.21e-04	3.33e-04
3297	145	7.65	3.34	-0.26	0.0	1.06e-03	-4.77e-04
3297	166	-4.64	6.74	-0.67	0.0	-6.38e-04	-6.00e-05
3297	171	1.36	-10.60	-0.29	0.0	2.43e-04	3.77e-04
3297	177	7.54	3.28	-0.27	0.0	1.04e-03	-4.68e-04
3297	198	-4.56	6.73	-0.66	0.0	-6.23e-04	-6.27e-05
3297	203	1.32	-10.60	-0.29	0.0	2.39e-04	3.80e-04
3297	209	8.77	3.84	-0.25	0.0	1.20e-03	-5.45e-04
3297	230	-5.34	7.89	-0.70	0.0	-7.30e-04	-7.58e-05
3297	235	1.47	-12.44	-0.27	0.0	2.66e-04	4.54e-04
3298	4	0.28	0.56	-0.90	0.0	8.00e-05	-3.30e-06
3298	44	0.25	-1.44	-0.74	0.0	6.84e-05	-3.42e-06
3298	68	0.20	0.37	-0.63	0.0	5.58e-05	-2.37e-06
3298	88	0.17	-0.97	-0.53	0.0	4.80e-05	-2.46e-06
3298	98	0.16	-0.11	-0.51	0.0	4.46e-05	-2.42e-06
3298	105	0.16	-0.27	-0.48	0.0	4.23e-05	-2.28e-06
3298	107	0.16	-0.10	-0.49	0.0	4.24e-05	-2.34e-06
3298	113	7.26	3.02	-0.32	0.0	5.42e-04	-4.21e-04
3298	134	-4.38	6.34	-0.68	0.0	8.90e-05	-5.24e-05
3298	139	1.33	-9.94	-0.35	0.0	-2.94e-04	3.41e-04
3298	145	8.16	3.42	-0.30	0.0	6.05e-04	-4.73e-04
3298	166	-4.95	7.15	-0.71	0.0	9.45e-05	-5.92e-05
3298	171	1.48	-11.19	-0.33	0.0	-3.35e-04	3.85e-04
3298	177	8.04	3.35	-0.31	0.0	5.91e-04	-4.64e-04
3298	198	-4.86	7.14	-0.70	0.0	9.20e-05	-6.16e-05
3298	203	1.43	-11.18	-0.33	0.0	-3.23e-04	3.87e-04
3298	209	9.35	3.92	-0.29	0.0	6.79e-04	-5.39e-04
3298	230	-5.69	8.37	-0.73	0.0	9.93e-05	-7.50e-05
3298	235	1.60	-13.12	-0.31	0.0	-3.83e-04	4.61e-04
3299	4	0.04	0.47	-0.55	0.0	7.05e-05	-9.21e-06
3299	28	0.05	-0.52	-0.53	0.0	7.77e-05	-1.36e-06
3299	44	0.04	-0.85	-0.45	0.0	7.02e-05	1.14e-06
3299	68	0.03	0.31	-0.38	0.0	4.97e-05	-6.28e-06
3299	80	0.03	-0.35	-0.37	0.0	5.45e-05	-1.04e-06
3299	88	0.03	-0.57	-0.32	0.0	4.95e-05	0.0
3299	98	0.03	-0.01	-0.31	0.0	4.39e-05	-2.46e-06
3299	105	0.03	-0.12	-0.30	0.0	4.24e-05	-1.69e-06
3299	107	0.03	-0.01	-0.30	0.0	4.18e-05	-2.33e-06
3299	113	3.81	2.50	-0.22	0.0	1.29e-03	-3.44e-04
3299	134	-2.37	3.85	-0.40	0.0	-7.61e-04	-2.70e-05
3299	139	0.63	-6.32	-0.22	0.0	2.71e-04	2.55e-04

3299	145	4.29	2.82	-0.21	0.0	1.45e-03	-3.87e-04
3299	166	-2.68	4.33	-0.42	0.0	-8.61e-04	-3.06e-05
3299	171	0.70	-7.13	-0.21	0.0	2.99e-04	2.89e-04
3299	177	4.23	2.80	-0.21	0.0	1.41e-03	-3.85e-04
3299	198	-2.64	4.33	-0.41	0.0	-8.38e-04	-3.33e-05
3299	203	0.68	-7.15	-0.21	0.0	2.94e-04	2.95e-04
3299	209	4.94	3.28	-0.20	0.0	1.63e-03	-4.51e-04
3299	230	-3.08	5.07	-0.43	0.0	-9.78e-04	-4.14e-05
3299	235	0.76	-8.42	-0.20	0.0	3.30e-04	3.54e-04
3300	4	0.08	0.48	-0.58	0.0	7.21e-05	-1.97e-05
3300	28	0.09	-0.60	-0.57	0.0	7.65e-05	-4.48e-06
3300	44	0.08	-0.96	-0.49	0.0	6.84e-05	0.0
3300	68	0.06	0.32	-0.41	0.0	5.08e-05	-1.34e-05
3300	80	0.06	-0.40	-0.40	0.0	5.37e-05	-3.29e-06
3300	88	0.06	-0.64	-0.34	0.0	4.83e-05	0.0
3300	98	0.05	-0.03	-0.33	0.0	4.38e-05	-5.73e-06
3300	105	0.05	-0.15	-0.32	0.0	4.21e-05	-4.20e-06
3300	107	0.05	-0.03	-0.32	0.0	4.17e-05	-5.42e-06
3300	108	4.48	5.70	-0.27	0.0	1.24e-03	-3.78e-04
3300	134	-2.76	4.28	-0.43	0.0	-7.32e-04	-3.55e-05
3300	139	0.77	-6.95	-0.24	0.0	2.63e-04	2.78e-04
3300	140	5.04	6.42	-0.27	0.0	1.39e-03	-4.25e-04
3300	166	-3.12	4.82	-0.44	0.0	-8.28e-04	-3.99e-05
3300	171	0.86	-7.84	-0.23	0.0	2.91e-04	3.15e-04
3300	177	4.96	2.89	-0.22	0.0	1.36e-03	-4.20e-04
3300	198	-3.07	4.81	-0.44	0.0	-8.06e-04	-4.29e-05
3300	203	0.83	-7.85	-0.23	0.0	2.86e-04	3.22e-04
3300	209	5.78	3.39	-0.21	0.0	1.57e-03	-4.90e-04
3300	230	-3.58	5.64	-0.46	0.0	-9.42e-04	-5.24e-05
3300	235	0.93	-9.24	-0.21	0.0	3.20e-04	3.86e-04
3301	4	0.12	0.50	-0.61	0.0	7.40e-05	-2.48e-05
3301	28	0.13	-0.68	-0.60	0.0	7.49e-05	-5.76e-06
3301	44	0.11	-1.06	-0.51	0.0	6.62e-05	0.0
3301	68	0.08	0.33	-0.43	0.0	5.20e-05	-1.69e-05
3301	80	0.09	-0.46	-0.42	0.0	5.27e-05	-4.22e-06
3301	88	0.08	-0.71	-0.36	0.0	4.68e-05	0.0
3301	98	0.07	-0.05	-0.35	0.0	4.36e-05	-7.25e-06
3301	105	0.07	-0.18	-0.33	0.0	4.17e-05	-5.32e-06
3301	107	0.07	-0.05	-0.33	0.0	4.16e-05	-6.86e-06
3301	108	5.11	6.07	-0.28	0.0	1.17e-03	-4.01e-04
3301	134	-3.14	4.71	-0.45	0.0	-6.89e-04	-4.24e-05
3301	139	0.90	-7.59	-0.25	0.0	2.53e-04	2.98e-04
3301	140	5.74	6.84	-0.28	0.0	1.31e-03	-4.50e-04
3301	166	-3.54	5.31	-0.46	0.0	-7.80e-04	-4.75e-05
3301	171	1.01	-8.55	-0.24	0.0	2.79e-04	3.37e-04
3301	172	5.65	6.75	-0.28	0.0	1.28e-03	-4.46e-04
3301	198	-3.48	5.30	-0.46	0.0	-7.60e-04	-5.06e-05
3301	203	0.98	-8.56	-0.24	0.0	2.74e-04	3.43e-04
3301	209	6.57	3.50	-0.22	0.0	1.48e-03	-5.17e-04
3301	230	-4.06	6.22	-0.48	0.0	-8.88e-04	-6.15e-05
3301	235	1.10	-10.06	-0.23	0.0	3.07e-04	4.12e-04
3302	4	0.16	0.51	-0.64	0.0	7.66e-05	-2.47e-05
3302	28	0.17	-0.76	-0.63	0.0	7.39e-05	-5.82e-06
3302	44	0.15	-1.17	-0.54	0.0	6.44e-05	0.0
3302	68	0.11	0.34	-0.45	0.0	5.38e-05	-1.68e-05
3302	80	0.12	-0.51	-0.44	0.0	5.20e-05	-4.26e-06
3302	88	0.11	-0.78	-0.38	0.0	4.57e-05	0.0
3302	98	0.10	-0.06	-0.37	0.0	4.38e-05	-7.25e-06
3302	105	0.09	-0.20	-0.35	0.0	4.16e-05	-5.32e-06
3302	107	0.09	-0.06	-0.35	0.0	4.18e-05	-6.86e-06
3302	108	5.69	6.44	-0.30	0.0	1.09e-03	-4.15e-04
3302	134	-3.48	5.15	-0.47	0.0	-6.43e-04	-4.71e-05
3302	139	1.03	-8.22	-0.27	0.0	2.42e-04	3.13e-04
3302	140	6.40	7.26	-0.29	0.0	1.22e-03	-4.66e-04
3302	166	-3.93	5.81	-0.48	0.0	-7.28e-04	-5.28e-05
3302	171	1.15	-9.26	-0.26	0.0	2.67e-04	3.55e-04
3302	177	6.29	3.08	-0.25	0.0	1.19e-03	-4.57e-04
3302	198	-3.86	5.80	-0.48	0.0	-7.09e-04	-5.59e-05
3302	203	1.12	-9.26	-0.26	0.0	2.62e-04	3.60e-04
3302	209	7.31	3.62	-0.23	0.0	1.38e-03	-5.33e-04
3302	230	-4.51	6.79	-0.50	0.0	-8.30e-04	-6.78e-05
3302	235	1.25	-10.89	-0.24	0.0	2.93e-04	4.31e-04
3303	4	0.04	0.47	-0.50	0.0	5.96e-05	-1.03e-05
3303	28	0.05	-0.52	-0.50	0.0	7.64e-05	1.08e-06
3303	44	0.04	-0.85	-0.43	0.0	7.18e-05	4.09e-06

3303	68	0.03	0.31	-0.35	0.0	4.23e-05	-6.97e-06
3303	80	0.03	-0.35	-0.35	0.0	5.35e-05	0.0
3303	88	0.03	-0.57	-0.30	0.0	5.04e-05	2.62e-06
3303	98	0.03	-0.01	-0.29	0.0	4.13e-05	-1.71e-06
3303	105	0.03	-0.12	-0.28	0.0	4.07e-05	0.0
3303	107	0.02	-0.01	-0.28	0.0	3.93e-05	-1.62e-06
3303	113	3.69	2.50	-0.24	0.0	1.28e-03	-3.31e-04
3303	134	-2.32	3.85	-0.32	0.0	-7.69e-04	-2.64e-05
3303	139	0.65	-6.32	-0.25	0.0	2.80e-04	2.48e-04
3303	145	4.15	2.82	-0.23	0.0	1.44e-03	-3.73e-04
3303	166	-2.62	4.34	-0.32	0.0	-8.70e-04	-3.00e-05
3303	171	0.73	-7.13	-0.25	0.0	3.10e-04	2.81e-04
3303	177	4.08	2.80	-0.23	0.0	1.40e-03	-3.70e-04
3303	198	-2.57	4.33	-0.32	0.0	-8.44e-04	-3.25e-05
3303	203	0.71	-7.15	-0.25	0.0	3.06e-04	2.86e-04
3303	209	4.75	3.28	-0.23	0.0	1.61e-03	-4.33e-04
3303	230	-3.00	5.07	-0.33	0.0	-9.84e-04	-4.04e-05
3303	235	0.80	-8.42	-0.24	0.0	3.44e-04	3.43e-04
3304	4	0.07	0.48	-0.53	0.0	6.46e-05	-2.02e-05
3304	28	0.09	-0.60	-0.53	0.0	7.56e-05	1.65e-06
3304	44	0.08	-0.96	-0.46	0.0	6.94e-05	7.51e-06
3304	68	0.05	0.32	-0.37	0.0	4.57e-05	-1.37e-05
3304	80	0.06	-0.40	-0.37	0.0	5.30e-05	0.0
3304	88	0.06	-0.64	-0.33	0.0	4.89e-05	4.82e-06
3304	98	0.05	-0.03	-0.31	0.0	4.19e-05	-3.42e-06
3304	105	0.05	-0.15	-0.30	0.0	4.09e-05	-1.56e-06
3304	107	0.05	-0.03	-0.30	0.0	4.00e-05	-3.24e-06
3304	113	4.35	2.59	-0.25	0.0	1.24e-03	-3.62e-04
3304	134	-2.72	4.28	-0.34	0.0	-7.41e-04	-3.28e-05
3304	139	0.80	-6.96	-0.27	0.0	2.72e-04	2.72e-04
3304	145	4.89	2.92	-0.25	0.0	1.39e-03	-4.08e-04
3304	166	-3.07	4.82	-0.34	0.0	-8.38e-04	-3.71e-05
3304	171	0.89	-7.84	-0.27	0.0	3.01e-04	3.08e-04
3304	177	4.80	2.89	-0.25	0.0	1.35e-03	-4.04e-04
3304	198	-3.01	4.82	-0.34	0.0	-8.14e-04	-3.98e-05
3304	203	0.87	-7.85	-0.27	0.0	2.97e-04	3.13e-04
3304	209	5.58	3.39	-0.24	0.0	1.56e-03	-4.72e-04
3304	230	-3.50	5.64	-0.35	0.0	-9.50e-04	-4.91e-05
3304	235	0.97	-9.24	-0.26	0.0	3.34e-04	3.75e-04
3305	4	0.11	0.50	-0.56	0.0	7.14e-05	-2.55e-05
3305	28	0.13	-0.68	-0.56	0.0	7.46e-05	2.14e-06
3305	44	0.12	-1.06	-0.49	0.0	6.66e-05	9.56e-06
3305	68	0.07	0.33	-0.39	0.0	5.03e-05	-1.72e-05
3305	80	0.09	-0.46	-0.39	0.0	5.24e-05	1.20e-06
3305	88	0.08	-0.71	-0.34	0.0	4.71e-05	6.15e-06
3305	98	0.07	-0.05	-0.33	0.0	4.29e-05	-4.26e-06
3305	105	0.07	-0.18	-0.31	0.0	4.13e-05	-1.90e-06
3305	107	0.07	-0.05	-0.31	0.0	4.10e-05	-4.03e-06
3305	113	4.98	2.68	-0.26	0.0	1.17e-03	-3.86e-04
3305	134	-3.10	4.71	-0.36	0.0	-6.99e-04	-3.83e-05
3305	139	0.94	-7.59	-0.28	0.0	2.61e-04	2.92e-04
3305	145	5.60	3.03	-0.26	0.0	1.31e-03	-4.34e-04
3305	166	-3.49	5.31	-0.36	0.0	-7.91e-04	-4.32e-05
3305	171	1.04	-8.55	-0.28	0.0	2.89e-04	3.31e-04
3305	177	5.49	2.99	-0.26	0.0	1.28e-03	-4.30e-04
3305	198	-3.42	5.31	-0.36	0.0	-7.69e-04	-4.61e-05
3305	203	1.02	-8.56	-0.28	0.0	2.84e-04	3.36e-04
3305	209	6.38	3.50	-0.25	0.0	1.48e-03	-5.02e-04
3305	230	-3.99	6.22	-0.37	0.0	-8.98e-04	-5.65e-05
3305	235	1.15	-10.06	-0.27	0.0	3.19e-04	4.03e-04
3306	4	0.15	0.51	-0.59	0.0	7.89e-05	-2.53e-05
3306	28	0.17	-0.76	-0.59	0.0	7.37e-05	2.18e-06
3306	44	0.15	-1.17	-0.51	0.0	6.36e-05	9.60e-06
3306	68	0.10	0.34	-0.41	0.0	5.53e-05	-1.71e-05
3306	80	0.12	-0.51	-0.41	0.0	5.19e-05	1.24e-06
3306	88	0.11	-0.78	-0.36	0.0	4.52e-05	6.18e-06
3306	98	0.09	-0.06	-0.34	0.0	4.41e-05	-4.20e-06
3306	105	0.09	-0.20	-0.33	0.0	4.17e-05	-1.84e-06
3306	107	0.09	-0.06	-0.33	0.0	4.21e-05	-3.97e-06
3306	113	5.57	2.77	-0.28	0.0	1.10e-03	-4.03e-04
3306	134	-3.45	5.15	-0.38	0.0	-6.52e-04	-4.24e-05
3306	139	1.07	-8.22	-0.30	0.0	2.49e-04	3.09e-04
3306	145	6.27	3.13	-0.27	0.0	1.23e-03	-4.53e-04
3306	166	-3.89	5.81	-0.38	0.0	-7.39e-04	-4.78e-05
3306	171	1.19	-9.26	-0.29	0.0	2.74e-04	3.49e-04

3306	177	6.14	3.08	-0.27	0.0	1.20e-03	-4.47e-04
3306	198	-3.81	5.80	-0.38	0.0	-7.18e-04	-5.08e-05
3306	203	1.16	-9.26	-0.29	0.0	2.70e-04	3.54e-04
3306	209	7.13	3.62	-0.26	0.0	1.38e-03	-5.22e-04
3306	230	-4.44	6.79	-0.39	0.0	-8.39e-04	-6.21e-05
3306	235	1.31	-10.89	-0.29	0.0	3.02e-04	4.24e-04
3307	28	0.05	-0.52	-0.50	0.0	7.92e-05	3.06e-06
3307	44	0.05	-0.85	-0.44	0.0	7.78e-05	6.87e-06
3307	80	0.03	-0.35	-0.35	0.0	5.53e-05	1.96e-06
3307	88	0.03	-0.57	-0.31	0.0	5.44e-05	4.50e-06
3307	98	0.03	-0.01	-0.29	0.0	4.03e-05	-1.34e-06
3307	105	0.03	-0.12	-0.28	0.0	4.08e-05	0.0
3307	107	0.02	-9.95e-03	-0.28	0.0	3.84e-05	-1.27e-06
3307	111	-3.53	-5.36	-0.31	0.0	-1.20e-03	3.25e-04
3307	113	3.58	2.50	-0.25	0.0	1.28e-03	-3.26e-04
3307	139	0.67	-6.33	-0.30	0.0	2.90e-04	2.45e-04
3307	143	-3.98	-6.03	-0.32	0.0	-1.36e-03	3.66e-04
3307	145	4.03	2.82	-0.25	0.0	1.44e-03	-3.67e-04
3307	171	0.75	-7.13	-0.30	0.0	3.21e-04	2.77e-04
3307	175	-3.90	-5.96	-0.32	0.0	-1.32e-03	3.63e-04
3307	177	3.94	2.80	-0.25	0.0	1.39e-03	-3.65e-04
3307	203	0.74	-7.15	-0.30	0.0	3.17e-04	2.82e-04
3307	207	-4.54	-6.96	-0.33	0.0	-1.53e-03	4.26e-04
3307	209	4.58	3.28	-0.24	0.0	1.61e-03	-4.27e-04
3307	235	0.83	-8.42	-0.31	0.0	3.58e-04	3.38e-04
3308	28	0.09	-0.60	-0.54	0.0	7.74e-05	6.80e-06
3308	44	0.09	-0.96	-0.47	0.0	7.36e-05	1.39e-05
3308	80	0.06	-0.40	-0.38	0.0	5.42e-05	4.44e-06
3308	88	0.06	-0.64	-0.33	0.0	5.17e-05	9.18e-06
3308	98	0.05	-0.03	-0.31	0.0	4.12e-05	-1.85e-06
3308	105	0.05	-0.15	-0.30	0.0	4.09e-05	0.0
3308	107	0.04	-0.03	-0.30	0.0	3.93e-05	-1.75e-06
3308	111	-4.15	-5.76	-0.34	0.0	-1.16e-03	3.52e-04
3308	113	4.24	2.59	-0.27	0.0	1.24e-03	-3.54e-04
3308	139	0.82	-6.96	-0.32	0.0	2.81e-04	2.67e-04
3308	143	-4.68	-6.48	-0.34	0.0	-1.31e-03	3.96e-04
3308	145	4.77	2.92	-0.26	0.0	1.39e-03	-3.98e-04
3308	171	0.92	-7.84	-0.32	0.0	3.11e-04	3.02e-04
3308	175	-4.57	-6.40	-0.34	0.0	-1.27e-03	3.93e-04
3308	177	4.66	2.89	-0.26	0.0	1.35e-03	-3.95e-04
3308	203	0.90	-7.85	-0.32	0.0	3.08e-04	3.07e-04
3308	207	-5.32	-7.47	-0.35	0.0	-1.47e-03	4.60e-04
3308	209	5.41	3.39	-0.26	0.0	1.55e-03	-4.62e-04
3308	235	1.02	-9.24	-0.33	0.0	3.47e-04	3.68e-04
3309	28	0.13	-0.68	-0.57	0.0	7.53e-05	9.11e-06
3309	44	0.13	-1.07	-0.50	0.0	6.81e-05	1.81e-05
3309	80	0.09	-0.46	-0.40	0.0	5.29e-05	5.99e-06
3309	88	0.09	-0.71	-0.35	0.0	4.81e-05	1.20e-05
3309	98	0.07	-0.05	-0.33	0.0	4.27e-05	-1.97e-06
3309	105	0.07	-0.18	-0.31	0.0	4.13e-05	0.0
3309	107	0.06	-0.05	-0.31	0.0	4.07e-05	-1.85e-06
3309	111	-4.74	-6.16	-0.36	0.0	-1.09e-03	3.75e-04
3309	113	4.87	2.68	-0.28	0.0	1.17e-03	-3.77e-04
3309	139	0.97	-7.59	-0.34	0.0	2.69e-04	2.87e-04
3309	143	-5.35	-6.93	-0.37	0.0	-1.23e-03	4.23e-04
3309	145	5.48	3.03	-0.28	0.0	1.32e-03	-4.25e-04
3309	171	1.08	-8.55	-0.34	0.0	2.97e-04	3.24e-04
3309	175	-5.22	-6.84	-0.37	0.0	-1.20e-03	4.19e-04
3309	177	5.35	2.99	-0.28	0.0	1.28e-03	-4.21e-04
3309	203	1.06	-8.56	-0.34	0.0	2.93e-04	3.30e-04
3309	207	-6.08	-7.98	-0.37	0.0	-1.39e-03	4.91e-04
3309	209	6.21	3.50	-0.27	0.0	1.48e-03	-4.92e-04
3309	235	1.20	-10.07	-0.35	0.0	3.30e-04	3.95e-04
3310	28	0.17	-0.76	-0.60	0.0	7.28e-05	9.31e-06
3310	44	0.16	-1.17	-0.53	0.0	6.19e-05	1.83e-05
3310	80	0.12	-0.51	-0.42	0.0	5.13e-05	6.14e-06
3310	88	0.11	-0.78	-0.37	0.0	4.41e-05	1.21e-05
3310	98	0.09	-0.06	-0.35	0.0	4.42e-05	-1.79e-06
3310	105	0.09	-0.20	-0.33	0.0	4.16e-05	1.13e-06
3310	107	0.09	-0.06	-0.33	0.0	4.22e-05	-1.68e-06
3310	111	-5.29	-6.57	-0.38	0.0	-1.02e-03	3.94e-04
3310	113	5.47	2.77	-0.30	0.0	1.10e-03	-3.96e-04
3310	139	1.11	-8.22	-0.36	0.0	2.55e-04	3.04e-04
3310	143	-5.97	-7.39	-0.39	0.0	-1.15e-03	4.44e-04
3310	145	6.15	3.13	-0.29	0.0	1.24e-03	-4.46e-04

3310	171	1.23	-9.26	-0.36	0.0	2.81e-04	3.44e-04
3310	175	-5.83	-7.28	-0.39	0.0	-1.12e-03	4.40e-04
3310	177	6.00	3.08	-0.29	0.0	1.20e-03	-4.41e-04
3310	203	1.21	-9.26	-0.36	0.0	2.78e-04	3.49e-04
3310	207	-6.78	-8.48	-0.40	0.0	-1.30e-03	5.14e-04
3310	209	6.96	3.62	-0.29	0.0	1.39e-03	-5.15e-04
3310	235	1.37	-10.89	-0.37	0.0	3.11e-04	4.18e-04
3311	28	0.05	-0.52	-0.54	0.0	8.47e-05	4.72e-06
3311	44	0.05	-0.85	-0.48	0.0	8.73e-05	9.30e-06
3311	80	0.04	-0.35	-0.38	0.0	5.90e-05	3.10e-06
3311	88	0.04	-0.57	-0.34	0.0	6.07e-05	6.15e-06
3311	98	0.02	-0.01	-0.31	0.0	4.02e-05	-1.02e-06
3311	105	0.03	-0.12	-0.30	0.0	4.19e-05	0.0
3311	107	0.02	-9.57e-03	-0.29	0.0	3.83e-05	0.0
3311	108	3.48	5.34	-0.22	0.0	1.28e-03	-3.25e-04
3311	127	-2.25	-5.60	-0.37	0.0	-7.72e-04	-2.20e-05
3311	139	0.70	-6.33	-0.37	0.0	2.98e-04	2.42e-04
3311	140	3.92	6.01	-0.22	0.0	1.43e-03	-3.66e-04
3311	159	-2.53	-6.29	-0.38	0.0	-8.72e-04	-2.52e-05
3311	171	0.78	-7.13	-0.37	0.0	3.31e-04	2.74e-04
3311	172	3.82	5.94	-0.22	0.0	1.39e-03	-3.64e-04
3311	191	-2.47	-6.15	-0.38	0.0	-8.43e-04	-2.74e-05
3311	203	0.77	-7.15	-0.38	0.0	3.28e-04	2.79e-04
3311	209	4.43	3.28	-0.25	0.0	1.60e-03	-4.25e-04
3311	227	-2.57	-7.29	-0.40	0.0	-8.57e-04	-2.21e-05
3311	235	0.87	-8.42	-0.39	0.0	3.71e-04	3.35e-04
3312	28	0.10	-0.60	-0.57	0.0	8.15e-05	1.10e-05
3312	44	0.10	-0.96	-0.51	0.0	8.05e-05	1.94e-05
3312	80	0.07	-0.40	-0.40	0.0	5.70e-05	7.37e-06
3312	88	0.07	-0.64	-0.36	0.0	5.63e-05	1.30e-05
3312	98	0.05	-0.03	-0.33	0.0	4.13e-05	0.0
3312	105	0.05	-0.15	-0.32	0.0	4.19e-05	2.17e-06
3312	107	0.04	-0.03	-0.31	0.0	3.94e-05	0.0
3312	113	4.14	2.59	-0.28	0.0	1.24e-03	-3.50e-04
3312	127	-2.65	-6.09	-0.40	0.0	-7.44e-04	-2.29e-05
3312	139	0.85	-6.96	-0.40	0.0	2.89e-04	2.63e-04
3312	145	4.66	2.92	-0.27	0.0	1.39e-03	-3.94e-04
3312	159	-2.98	-6.85	-0.41	0.0	-8.42e-04	-2.62e-05
3312	171	0.95	-7.84	-0.41	0.0	3.20e-04	2.97e-04
3312	177	4.54	2.89	-0.27	0.0	1.34e-03	-3.91e-04
3312	191	-2.90	-6.70	-0.41	0.0	-8.14e-04	-2.84e-05
3312	203	0.94	-7.85	-0.41	0.0	3.17e-04	3.03e-04
3312	209	5.25	3.39	-0.27	0.0	1.55e-03	-4.58e-04
3312	227	-3.01	-7.92	-0.43	0.0	-8.31e-04	-2.32e-05
3312	235	1.06	-9.24	-0.42	0.0	3.58e-04	3.63e-04
3313	28	0.14	-0.68	-0.61	0.0	7.70e-05	1.50e-05
3313	44	0.14	-1.07	-0.54	0.0	7.08e-05	2.54e-05
3313	80	0.10	-0.46	-0.43	0.0	5.40e-05	1.01e-05
3313	88	0.10	-0.71	-0.38	0.0	4.99e-05	1.70e-05
3313	98	0.07	-0.05	-0.35	0.0	4.29e-05	0.0
3313	105	0.07	-0.18	-0.34	0.0	4.19e-05	3.43e-06
3313	107	0.06	-0.05	-0.33	0.0	4.10e-05	0.0
3313	113	4.77	2.68	-0.29	0.0	1.17e-03	-3.73e-04
3313	127	-3.03	-6.59	-0.43	0.0	-7.05e-04	-2.39e-05
3313	139	1.00	-7.59	-0.42	0.0	2.75e-04	2.82e-04
3313	145	5.37	3.03	-0.29	0.0	1.32e-03	-4.20e-04
3313	159	-3.41	-7.41	-0.44	0.0	-7.98e-04	-2.74e-05
3313	171	1.12	-8.55	-0.43	0.0	3.05e-04	3.19e-04
3313	177	5.22	2.99	-0.29	0.0	1.28e-03	-4.17e-04
3313	191	-3.32	-7.24	-0.44	0.0	-7.73e-04	-2.97e-05
3313	203	1.10	-8.56	-0.43	0.0	3.02e-04	3.25e-04
3313	209	6.05	3.50	-0.28	0.0	1.47e-03	-4.88e-04
3313	227	-3.44	-8.56	-0.46	0.0	-7.94e-04	-2.43e-05
3313	235	1.25	-10.07	-0.45	0.0	3.40e-04	3.89e-04
3314	28	0.18	-0.76	-0.64	0.0	7.14e-05	1.54e-05
3314	44	0.17	-1.17	-0.57	0.0	5.95e-05	2.57e-05
3314	80	0.12	-0.51	-0.45	0.0	5.04e-05	1.03e-05
3314	88	0.12	-0.78	-0.40	0.0	4.25e-05	1.72e-05
3314	98	0.09	-0.07	-0.37	0.0	4.43e-05	0.0
3314	105	0.09	-0.20	-0.35	0.0	4.14e-05	3.74e-06
3314	107	0.09	-0.06	-0.35	0.0	4.23e-05	0.0
3314	113	5.37	2.77	-0.31	0.0	1.11e-03	-3.92e-04
3314	127	-3.38	-7.09	-0.46	0.0	-6.64e-04	-2.60e-05
3314	139	1.14	-8.22	-0.45	0.0	2.60e-04	2.99e-04
3314	145	6.03	3.13	-0.30	0.0	1.24e-03	-4.42e-04

3314	159	-3.82	-7.96	-0.47	0.0	-7.52e-04	-2.98e-05
3314	171	1.27	-9.26	-0.46	0.0	2.87e-04	3.38e-04
3314	177	5.87	3.08	-0.30	0.0	1.20e-03	-4.38e-04
3314	191	-3.71	-7.78	-0.47	0.0	-7.28e-04	-3.22e-05
3314	203	1.25	-9.26	-0.46	0.0	2.84e-04	3.44e-04
3314	209	6.79	3.62	-0.29	0.0	1.39e-03	-5.13e-04
3314	227	-3.84	-9.20	-0.49	0.0	-7.54e-04	-2.62e-05
3314	235	1.42	-10.89	-0.48	0.0	3.19e-04	4.12e-04
3315	28	0.05	-0.52	-0.60	0.0	9.25e-05	5.69e-06
3315	44	0.06	-0.85	-0.55	0.0	9.96e-05	1.06e-05
3315	80	0.04	-0.35	-0.42	0.0	6.43e-05	3.81e-06
3315	88	0.04	-0.57	-0.39	0.0	6.90e-05	7.09e-06
3315	98	0.02	-0.01	-0.34	0.0	4.08e-05	0.0
3315	105	0.03	-0.12	-0.33	0.0	4.41e-05	0.0
3315	107	0.02	-9.27e-03	-0.33	0.0	3.89e-05	0.0
3315	108	3.39	5.34	-0.20	0.0	1.27e-03	-3.25e-04
3315	127	-2.22	-5.60	-0.48	0.0	-7.66e-04	-2.01e-05
3315	139	0.72	-6.33	-0.48	0.0	3.06e-04	2.40e-04
3315	140	3.81	6.01	-0.18	0.0	1.42e-03	-3.66e-04
3315	159	-2.50	-6.29	-0.50	0.0	-8.66e-04	-2.31e-05
3315	171	0.80	-7.13	-0.50	0.0	3.39e-04	2.71e-04
3315	172	3.70	5.94	-0.18	0.0	1.37e-03	-3.64e-04
3315	203	0.79	-7.15	-0.50	0.0	3.37e-04	2.77e-04
3315	204	4.28	6.94	-0.16	0.0	1.58e-03	-4.27e-04
3315	235	0.91	-8.42	-0.53	0.0	3.81e-04	3.32e-04
3316	28	0.10	-0.60	-0.65	0.0	8.76e-05	1.45e-05
3316	44	0.11	-0.96	-0.59	0.0	8.97e-05	2.34e-05
3316	80	0.07	-0.40	-0.45	0.0	6.11e-05	9.85e-06
3316	88	0.08	-0.64	-0.41	0.0	6.25e-05	1.57e-05
3316	98	0.05	-0.03	-0.37	0.0	4.22e-05	1.08e-06
3316	105	0.05	-0.15	-0.36	0.0	4.38e-05	4.01e-06
3316	107	0.04	-0.03	-0.35	0.0	4.02e-05	1.10e-06
3316	113	4.04	2.59	-0.29	0.0	1.23e-03	-3.50e-04
3316	127	-2.61	-6.09	-0.52	0.0	-7.40e-04	-1.82e-05
3316	139	0.88	-6.96	-0.52	0.0	2.96e-04	2.60e-04
3316	145	4.55	2.92	-0.29	0.0	1.38e-03	-3.95e-04
3316	159	-2.95	-6.85	-0.54	0.0	-8.37e-04	-2.11e-05
3316	171	0.98	-7.84	-0.54	0.0	3.28e-04	2.94e-04
3316	177	4.41	2.89	-0.28	0.0	1.33e-03	-3.93e-04
3316	203	0.97	-7.86	-0.54	0.0	3.25e-04	3.01e-04
3316	209	5.10	3.39	-0.27	0.0	1.53e-03	-4.61e-04
3316	235	1.11	-9.24	-0.58	0.0	3.68e-04	3.61e-04
3317	28	0.15	-0.68	-0.69	0.0	7.96e-05	1.94e-05
3317	44	0.15	-1.07	-0.62	0.0	7.44e-05	3.03e-05
3317	80	0.10	-0.46	-0.48	0.0	5.59e-05	1.32e-05
3317	88	0.11	-0.71	-0.44	0.0	5.24e-05	2.05e-05
3317	98	0.07	-0.05	-0.39	0.0	4.36e-05	2.16e-06
3317	105	0.07	-0.18	-0.38	0.0	4.29e-05	5.78e-06
3317	107	0.06	-0.05	-0.37	0.0	4.16e-05	2.15e-06
3317	113	4.67	2.68	-0.31	0.0	1.17e-03	-3.74e-04
3317	127	-2.99	-6.59	-0.56	0.0	-7.04e-04	-1.78e-05
3317	139	1.03	-7.59	-0.56	0.0	2.81e-04	2.79e-04
3317	145	5.25	3.03	-0.30	0.0	1.31e-03	-4.21e-04
3317	159	-3.37	-7.41	-0.58	0.0	-7.96e-04	-2.08e-05
3317	171	1.15	-8.55	-0.58	0.0	3.11e-04	3.15e-04
3317	177	5.09	2.99	-0.30	0.0	1.27e-03	-4.20e-04
3317	203	1.14	-8.56	-0.58	0.0	3.09e-04	3.23e-04
3317	209	5.88	3.50	-0.29	0.0	1.46e-03	-4.93e-04
3317	235	1.29	-10.07	-0.62	0.0	3.48e-04	3.86e-04
3318	28	0.19	-0.76	-0.72	0.0	6.95e-05	1.94e-05
3318	44	0.19	-1.17	-0.65	0.0	5.65e-05	3.00e-05
3318	80	0.13	-0.51	-0.51	0.0	4.92e-05	1.32e-05
3318	88	0.13	-0.78	-0.46	0.0	4.04e-05	2.03e-05
3318	98	0.09	-0.07	-0.41	0.0	4.44e-05	2.31e-06
3318	105	0.09	-0.20	-0.40	0.0	4.10e-05	5.87e-06
3318	107	0.09	-0.06	-0.39	0.0	4.23e-05	2.30e-06
3318	113	5.27	2.77	-0.32	0.0	1.11e-03	-3.93e-04
3318	127	-3.35	-7.09	-0.60	0.0	-6.69e-04	-1.97e-05
3318	139	1.17	-8.22	-0.59	0.0	2.65e-04	2.95e-04
3318	145	5.92	3.13	-0.31	0.0	1.24e-03	-4.43e-04
3318	159	-3.78	-7.96	-0.62	0.0	-7.58e-04	-2.31e-05
3318	171	1.31	-9.26	-0.62	0.0	2.93e-04	3.34e-04
3318	177	5.74	3.08	-0.31	0.0	1.20e-03	-4.41e-04
3318	203	1.29	-9.26	-0.62	0.0	2.91e-04	3.41e-04
3318	209	6.62	3.62	-0.30	0.0	1.38e-03	-5.18e-04

3318	235	1.47	-10.89	-0.66	0.0	3.27e-04	4.08e-04
3319	28	0.06	-0.52	-0.73	0.0	1.04e-04	6.32e-06
3319	44	0.06	-0.85	-0.67	0.0	1.15e-04	1.06e-05
3319	80	0.04	-0.35	-0.51	0.0	7.19e-05	4.37e-06
3319	88	0.04	-0.57	-0.47	0.0	7.96e-05	7.19e-06
3319	98	0.02	-0.01	-0.41	0.0	4.32e-05	0.0
3319	105	0.03	-0.12	-0.40	0.0	4.81e-05	1.91e-06
3319	107	0.02	-9.15e-03	-0.39	0.0	4.13e-05	0.0
3319	108	3.30	5.34	-0.15	0.0	1.24e-03	-3.27e-04
3319	127	-2.19	-5.60	-0.68	0.0	-7.50e-04	-1.64e-05
3319	139	0.73	-6.33	-0.68	0.0	3.11e-04	2.39e-04
3319	140	3.71	6.01	-0.12	0.0	1.39e-03	-3.68e-04
3319	159	-2.46	-6.29	-0.72	0.0	-8.48e-04	-1.91e-05
3319	171	0.82	-7.13	-0.72	0.0	3.45e-04	2.71e-04
3319	172	3.58	5.94	-0.12	0.0	1.34e-03	-3.67e-04
3319	203	0.82	-7.15	-0.72	0.0	3.43e-04	2.77e-04
3319	204	4.13	6.95	-0.07	0.0	1.54e-03	-4.31e-04
3319	235	0.94	-8.42	-0.78	0.0	3.89e-04	3.32e-04
3320	28	0.11	-0.61	-0.78	0.0	9.55e-05	1.72e-05
3320	44	0.12	-0.96	-0.71	0.0	1.01e-04	2.44e-05
3320	80	0.08	-0.40	-0.55	0.0	6.65e-05	1.19e-05
3320	88	0.08	-0.64	-0.50	0.0	6.99e-05	1.67e-05
3320	98	0.05	-0.03	-0.44	0.0	4.41e-05	4.22e-06
3320	105	0.05	-0.15	-0.43	0.0	4.68e-05	6.64e-06
3320	107	0.04	-0.03	-0.42	0.0	4.21e-05	4.19e-06
3320	113	3.94	2.59	-0.31	0.0	1.21e-03	-3.56e-04
3320	135	0.61	-6.92	-0.74	0.0	2.13e-04	2.63e-04
3320	139	0.90	-6.96	-0.74	0.0	3.01e-04	2.62e-04
3320	145	4.43	2.92	-0.30	0.0	1.36e-03	-4.02e-04
3320	167	0.68	-7.79	-0.78	0.0	2.33e-04	2.97e-04
3320	171	1.00	-7.84	-0.78	0.0	3.33e-04	2.95e-04
3320	177	4.28	2.89	-0.30	0.0	1.31e-03	-4.02e-04
3320	203	1.00	-7.86	-0.78	0.0	3.31e-04	3.03e-04
3320	209	4.94	3.39	-0.28	0.0	1.50e-03	-4.73e-04
3320	235	1.14	-9.25	-0.84	0.0	3.75e-04	3.63e-04
3321	28	0.16	-0.68	-0.82	0.0	8.24e-05	2.12e-05
3321	44	0.17	-1.07	-0.75	0.0	7.81e-05	2.99e-05
3321	80	0.11	-0.46	-0.58	0.0	5.78e-05	1.47e-05
3321	88	0.12	-0.71	-0.53	0.0	5.49e-05	2.05e-05
3321	98	0.07	-0.05	-0.46	0.0	4.45e-05	5.20e-06
3321	105	0.08	-0.18	-0.45	0.0	4.40e-05	8.14e-06
3321	107	0.07	-0.05	-0.44	0.0	4.25e-05	5.14e-06
3321	113	4.56	2.68	-0.33	0.0	1.16e-03	-3.81e-04
3321	135	0.73	-7.55	-0.79	0.0	2.04e-04	2.82e-04
3321	139	1.05	-7.59	-0.79	0.0	2.86e-04	2.80e-04
3321	145	5.13	3.03	-0.31	0.0	1.30e-03	-4.30e-04
3321	167	0.80	-8.49	-0.83	0.0	2.23e-04	3.18e-04
3321	171	1.18	-8.55	-0.83	0.0	3.16e-04	3.16e-04
3321	177	4.95	2.98	-0.31	0.0	1.25e-03	-4.30e-04
3321	203	1.17	-8.56	-0.83	0.0	3.14e-04	3.24e-04
3321	209	5.71	3.50	-0.29	0.0	1.44e-03	-5.07e-04
3321	235	1.33	-10.07	-0.90	0.0	3.55e-04	3.89e-04
3322	28	0.20	-0.76	-0.86	0.0	6.69e-05	1.92e-05
3322	44	0.21	-1.17	-0.79	0.0	5.25e-05	2.77e-05
3322	80	0.14	-0.51	-0.61	0.0	4.74e-05	1.33e-05
3322	88	0.14	-0.78	-0.56	0.0	3.78e-05	1.89e-05
3322	98	0.09	-0.07	-0.49	0.0	4.40e-05	4.17e-06
3322	105	0.10	-0.20	-0.47	0.0	4.02e-05	7.01e-06
3322	107	0.09	-0.06	-0.46	0.0	4.20e-05	4.12e-06
3322	113	5.15	2.77	-0.35	0.0	1.11e-03	-3.98e-04
3322	135	0.83	-8.17	-0.83	0.0	1.95e-04	2.95e-04
3322	139	1.20	-8.22	-0.83	0.0	2.71e-04	2.93e-04
3322	145	5.79	3.13	-0.33	0.0	1.25e-03	-4.49e-04
3322	167	0.92	-9.20	-0.88	0.0	2.13e-04	3.32e-04
3322	171	1.34	-9.26	-0.88	0.0	3.00e-04	3.31e-04
3322	177	5.59	3.08	-0.33	0.0	1.20e-03	-4.49e-04
3322	203	1.33	-9.27	-0.88	0.0	2.98e-04	3.40e-04
3322	209	6.44	3.62	-0.31	0.0	1.39e-03	-5.28e-04
3322	235	1.51	-10.89	-0.96	0.0	3.36e-04	4.07e-04
3323	28	0.06	-0.52	-0.95	0.0	1.19e-04	9.74e-06
3323	44	0.07	-0.85	-0.88	0.0	1.33e-04	1.06e-05
3323	80	0.04	-0.35	-0.67	0.0	8.25e-05	7.07e-06
3323	88	0.05	-0.57	-0.62	0.0	9.20e-05	7.63e-06
3323	98	0.02	-0.01	-0.53	0.0	4.94e-05	5.36e-06
3323	105	0.03	-0.12	-0.52	0.0	5.52e-05	5.68e-06

3323	107	0.02	-9.42e-03	-0.50	0.0	4.73e-05	5.28e-06
3323	108	3.21	5.34	-0.03	0.0	1.19e-03	-3.32e-04
3323	135	0.52	-6.30	-1.07	0.0	2.27e-04	2.47e-04
3323	139	0.75	-6.33	-1.07	0.0	3.14e-04	2.45e-04
3323	140	3.61	6.01	0.02	0.0	1.34e-03	-3.75e-04
3323	167	0.58	-7.09	-1.14	0.0	2.48e-04	2.78e-04
3323	171	0.84	-7.14	-1.14	0.0	3.48e-04	2.76e-04
3323	172	3.47	5.94	0.02	0.0	1.29e-03	-3.76e-04
3323	203	0.84	-7.15	-1.14	0.0	3.47e-04	2.84e-04
3323	204	3.99	6.94	0.11	0.0	1.48e-03	-4.43e-04
3323	235	0.96	-8.43	-1.26	0.0	3.93e-04	3.40e-04
3324	28	0.12	-0.61	-1.02	0.0	1.03e-04	1.80e-05
3324	44	0.14	-0.96	-0.95	0.0	1.10e-04	1.95e-05
3324	80	0.08	-0.41	-0.72	0.0	7.20e-05	1.31e-05
3324	88	0.09	-0.64	-0.67	0.0	7.66e-05	1.41e-05
3324	98	0.05	-0.03	-0.57	0.0	4.70e-05	9.96e-06
3324	105	0.06	-0.15	-0.56	0.0	5.03e-05	1.05e-05
3324	107	0.05	-0.03	-0.54	0.0	4.49e-05	9.81e-06
3324	108	3.82	5.70	-0.06	0.0	1.17e-03	-3.75e-04
3324	135	0.63	-6.92	-1.14	0.0	2.17e-04	2.80e-04
3324	139	0.91	-6.96	-1.14	0.0	3.01e-04	2.74e-04
3324	140	4.30	6.43	5.88e-03	0.0	1.31e-03	-4.23e-04
3324	167	0.71	-7.79	-1.22	0.0	2.37e-04	3.15e-04
3324	171	1.02	-7.84	-1.22	0.0	3.34e-04	3.08e-04
3324	172	4.13	6.34	3.13e-03	0.0	1.26e-03	-4.25e-04
3324	203	1.02	-7.86	-1.22	0.0	3.33e-04	3.17e-04
3324	204	4.75	7.41	0.10	0.0	1.45e-03	-5.02e-04
3324	235	1.17	-9.25	-1.34	0.0	3.77e-04	3.79e-04
3325	28	0.17	-0.68	-1.07	0.0	8.32e-05	1.79e-05
3325	44	0.19	-1.07	-1.00	0.0	7.94e-05	1.97e-05
3325	80	0.12	-0.46	-0.75	0.0	5.83e-05	1.29e-05
3325	88	0.13	-0.71	-0.70	0.0	5.58e-05	1.42e-05
3325	98	0.07	-0.05	-0.60	0.0	4.45e-05	9.55e-06
3325	105	0.08	-0.18	-0.59	0.0	4.42e-05	1.02e-05
3325	107	0.07	-0.05	-0.57	0.0	4.24e-05	9.41e-06
3325	113	4.43	2.68	-0.38	0.0	1.15e-03	-3.98e-04
3325	135	0.75	-7.55	-1.20	0.0	2.08e-04	2.97e-04
3325	139	1.07	-7.59	-1.20	0.0	2.89e-04	2.89e-04
3325	145	4.97	3.03	-0.35	0.0	1.29e-03	-4.49e-04
3325	171	1.19	-8.55	-1.28	0.0	3.20e-04	3.26e-04
3325	177	4.79	2.98	-0.35	0.0	1.24e-03	-4.51e-04
3325	203	1.19	-8.56	-1.28	0.0	3.19e-04	3.36e-04
3325	209	5.51	3.50	-0.31	0.0	1.43e-03	-5.33e-04
3325	235	1.36	-10.07	-1.41	0.0	3.61e-04	4.02e-04
3326	28	0.21	-0.76	-1.12	0.0	6.25e-05	1.16e-05
3326	44	0.22	-1.17	-1.04	0.0	4.70e-05	1.34e-05
3326	80	0.15	-0.51	-0.79	0.0	4.42e-05	8.37e-06
3326	88	0.15	-0.78	-0.73	0.0	3.40e-05	9.56e-06
3326	98	0.10	-0.07	-0.62	0.0	4.22e-05	5.60e-06
3326	105	0.10	-0.20	-0.61	0.0	3.81e-05	6.23e-06
3326	107	0.09	-0.06	-0.60	0.0	4.02e-05	5.52e-06
3326	113	5.02	2.77	-0.40	0.0	1.13e-03	-4.05e-04
3326	135	0.85	-8.17	-1.25	0.0	2.00e-04	2.98e-04
3326	139	1.21	-8.22	-1.25	0.0	2.79e-04	2.94e-04
3326	145	5.64	3.13	-0.38	0.0	1.27e-03	-4.57e-04
3326	171	1.36	-9.26	-1.33	0.0	3.09e-04	3.32e-04
3326	177	5.43	3.08	-0.37	0.0	1.22e-03	-4.58e-04
3326	203	1.35	-9.27	-1.33	0.0	3.07e-04	3.41e-04
3326	209	6.25	3.62	-0.33	0.0	1.41e-03	-5.40e-04
3326	235	1.55	-10.89	-1.46	0.0	3.48e-04	4.09e-04
3327	4	0.20	0.53	-0.67	0.0	7.95e-05	-2.01e-05
3327	28	0.20	-0.82	-0.66	0.0	7.38e-05	-5.20e-06
3327	44	0.18	-1.26	-0.56	0.0	6.35e-05	0.0
3327	68	0.14	0.35	-0.47	0.0	5.58e-05	-1.37e-05
3327	80	0.14	-0.55	-0.46	0.0	5.20e-05	-3.80e-06
3327	88	0.13	-0.84	-0.40	0.0	4.52e-05	0.0
3327	98	0.12	-0.08	-0.39	0.0	4.43e-05	-6.13e-06
3327	105	0.11	-0.23	-0.37	0.0	4.19e-05	-4.57e-06
3327	107	0.11	-0.07	-0.37	0.0	4.23e-05	-5.81e-06
3327	113	6.21	2.86	-0.27	0.0	1.02e-03	-4.19e-04
3327	134	-3.79	5.56	-0.49	0.0	-6.02e-04	-4.96e-05
3327	139	1.15	-8.82	-0.28	0.0	2.33e-04	3.24e-04
3327	145	6.98	3.24	-0.26	0.0	1.14e-03	-4.71e-04
3327	166	-4.28	6.28	-0.50	0.0	-6.82e-04	-5.57e-05
3327	171	1.28	-9.93	-0.27	0.0	2.56e-04	3.67e-04

3327	177	6.86	3.18	-0.26	0.0	1.12e-03	-4.64e-04
3327	198	-4.20	6.27	-0.50	0.0	-6.65e-04	-5.86e-05
3327	203	1.25	-9.94	-0.27	0.0	2.52e-04	3.71e-04
3327	209	7.97	3.73	-0.25	0.0	1.29e-03	-5.40e-04
3327	230	-4.90	7.35	-0.52	0.0	-7.78e-04	-7.11e-05
3327	235	1.40	-11.67	-0.26	0.0	2.81e-04	4.44e-04
3328	4	0.24	0.55	-0.72	0.0	8.19e-05	-1.27e-05
3328	28	0.24	-0.89	-0.70	0.0	7.41e-05	-4.45e-06
3328	44	0.21	-1.35	-0.60	0.0	6.32e-05	-1.28e-06
3328	68	0.17	0.36	-0.50	0.0	5.75e-05	-8.71e-06
3328	80	0.17	-0.60	-0.49	0.0	5.22e-05	-3.22e-06
3328	88	0.15	-0.91	-0.43	0.0	4.50e-05	-1.11e-06
3328	98	0.14	-0.09	-0.41	0.0	4.49e-05	-4.42e-06
3328	105	0.13	-0.25	-0.39	0.0	4.23e-05	-3.47e-06
3328	107	0.13	-0.09	-0.39	0.0	4.29e-05	-4.20e-06
3328	113	6.70	2.95	-0.29	0.0	9.69e-04	-4.21e-04
3328	134	-4.08	5.97	-0.51	0.0	-5.72e-04	-5.09e-05
3328	139	1.27	-9.41	-0.31	0.0	2.26e-04	3.33e-04
3328	145	7.53	3.34	-0.28	0.0	1.09e-03	-4.73e-04
3328	166	-4.61	6.74	-0.53	0.0	-6.48e-04	-5.73e-05
3328	171	1.41	-10.59	-0.30	0.0	2.48e-04	3.76e-04
3328	177	7.39	3.27	-0.28	0.0	1.06e-03	-4.65e-04
3328	198	-4.52	6.72	-0.52	0.0	-6.32e-04	-6.00e-05
3328	203	1.37	-10.59	-0.30	0.0	2.44e-04	3.79e-04
3328	209	8.59	3.84	-0.27	0.0	1.22e-03	-5.41e-04
3328	230	-5.28	7.88	-0.55	0.0	-7.41e-04	-7.29e-05
3328	235	1.53	-12.43	-0.28	0.0	2.72e-04	4.53e-04
3329	4	0.28	0.56	-0.80	0.0	7.62e-05	-3.92e-06
3329	44	0.24	-1.44	-0.67	0.0	6.49e-05	-3.86e-06
3329	68	0.20	0.37	-0.56	0.0	5.31e-05	-2.80e-06
3329	88	0.17	-0.97	-0.48	0.0	4.56e-05	-2.76e-06
3329	98	0.16	-0.11	-0.46	0.0	4.25e-05	-2.77e-06
3329	105	0.15	-0.27	-0.43	0.0	4.03e-05	-2.60e-06
3329	107	0.15	-0.10	-0.43	0.0	4.04e-05	-2.66e-06
3329	113	7.17	3.02	-0.33	0.0	5.39e-04	-4.22e-04
3329	134	-4.35	6.34	-0.56	0.0	9.44e-05	-5.21e-05
3329	139	1.38	-9.94	-0.35	0.0	-3.03e-04	3.40e-04
3329	145	8.05	3.42	-0.32	0.0	6.02e-04	-4.75e-04
3329	166	-4.92	7.15	-0.57	0.0	1.01e-04	-5.89e-05
3329	171	1.53	-11.19	-0.34	0.0	-3.45e-04	3.85e-04
3329	177	7.90	3.35	-0.32	0.0	5.87e-04	-4.65e-04
3329	198	-4.82	7.14	-0.57	0.0	9.81e-05	-6.13e-05
3329	203	1.49	-11.18	-0.34	0.0	-3.31e-04	3.87e-04
3329	209	9.18	3.92	-0.31	0.0	6.74e-04	-5.41e-04
3329	230	-5.64	8.37	-0.59	0.0	1.07e-04	-7.46e-05
3329	235	1.67	-13.12	-0.32	0.0	-3.91e-04	4.61e-04
3330	4	0.19	0.53	-0.62	0.0	8.53e-05	-2.06e-05
3330	28	0.20	-0.82	-0.62	0.0	7.31e-05	1.27e-06
3330	44	0.18	-1.26	-0.54	0.0	6.12e-05	7.32e-06
3330	68	0.13	0.35	-0.44	0.0	5.97e-05	-1.39e-05
3330	80	0.14	-0.55	-0.43	0.0	5.16e-05	0.0
3330	88	0.13	-0.84	-0.38	0.0	4.37e-05	4.69e-06
3330	98	0.11	-0.08	-0.36	0.0	4.52e-05	-3.66e-06
3330	105	0.11	-0.23	-0.34	0.0	4.22e-05	-1.74e-06
3330	107	0.11	-0.07	-0.34	0.0	4.31e-05	-3.47e-06
3330	113	6.10	2.86	-0.29	0.0	1.03e-03	-4.13e-04
3330	134	-3.76	5.56	-0.40	0.0	-6.11e-04	-4.52e-05
3330	139	1.19	-8.82	-0.31	0.0	2.38e-04	3.21e-04
3330	145	6.86	3.24	-0.28	0.0	1.16e-03	-4.64e-04
3330	166	-4.25	6.27	-0.40	0.0	-6.92e-04	-5.10e-05
3330	171	1.33	-9.93	-0.31	0.0	2.62e-04	3.63e-04
3330	177	6.72	3.18	-0.29	0.0	1.13e-03	-4.58e-04
3330	198	-4.15	6.26	-0.40	0.0	-6.74e-04	-5.39e-05
3330	203	1.30	-9.93	-0.31	0.0	2.58e-04	3.67e-04
3330	209	7.79	3.73	-0.28	0.0	1.30e-03	-5.34e-04
3330	230	-4.85	7.34	-0.41	0.0	-7.88e-04	-6.59e-05
3330	235	1.46	-11.67	-0.30	0.0	2.88e-04	4.39e-04
3331	4	0.23	0.55	-0.66	0.0	8.98e-05	-1.30e-05
3331	28	0.24	-0.89	-0.66	0.0	7.28e-05	0.0
3331	44	0.21	-1.35	-0.57	0.0	5.96e-05	2.96e-06
3331	68	0.16	0.36	-0.47	0.0	6.28e-05	-8.84e-06
3331	80	0.17	-0.60	-0.46	0.0	5.14e-05	0.0
3331	88	0.15	-0.91	-0.41	0.0	4.26e-05	1.80e-06
3331	98	0.14	-0.09	-0.38	0.0	4.59e-05	-3.00e-06
3331	105	0.13	-0.25	-0.37	0.0	4.26e-05	-1.84e-06

3331	107	0.13	-0.09	-0.37	0.0	4.38e-05	-2.85e-06
3331	113	6.60	2.95	-0.31	0.0	9.87e-04	-4.19e-04
3331	134	-4.06	5.97	-0.42	0.0	-5.82e-04	-4.74e-05
3331	139	1.31	-9.40	-0.33	0.0	2.31e-04	3.31e-04
3331	145	7.41	3.33	-0.30	0.0	1.11e-03	-4.72e-04
3331	166	-4.58	6.73	-0.43	0.0	-6.60e-04	-5.36e-05
3331	171	1.45	-10.58	-0.33	0.0	2.54e-04	3.74e-04
3331	177	7.26	3.27	-0.31	0.0	1.08e-03	-4.64e-04
3331	198	-4.48	6.72	-0.43	0.0	-6.43e-04	-5.63e-05
3331	203	1.42	-10.58	-0.33	0.0	2.50e-04	3.77e-04
3331	209	8.42	3.83	-0.30	0.0	1.25e-03	-5.40e-04
3331	230	-5.22	7.88	-0.44	0.0	-7.53e-04	-6.88e-05
3331	235	1.60	-12.43	-0.32	0.0	2.79e-04	4.51e-04
3332	4	0.28	0.56	-0.74	1.18e-04	7.20e-05	-3.02e-06
3332	44	0.24	-1.44	-0.65	1.65e-04	6.10e-05	-3.03e-06
3332	68	0.20	0.37	-0.52	8.49e-05	5.01e-05	-2.15e-06
3332	88	0.17	-0.97	-0.46	1.16e-04	4.27e-05	-2.16e-06
3332	98	0.16	-0.11	-0.43	8.61e-05	4.00e-05	-2.22e-06
3332	105	0.15	-0.27	-0.41	8.81e-05	3.77e-05	-2.06e-06
3332	107	0.15	-0.10	-0.41	8.29e-05	3.79e-05	-2.12e-06
3332	113	7.08	3.02	-0.35	4.25e-05	6.72e-04	-4.26e-04
3332	134	-4.34	6.34	-0.47	-6.47e-05	-3.63e-04	-4.80e-05
3332	139	1.42	-9.94	-0.37	2.87e-04	1.52e-04	3.39e-04
3332	145	7.95	3.42	-0.35	3.74e-05	7.52e-04	-4.80e-04
3332	166	-4.90	7.15	-0.48	-8.33e-05	-4.13e-04	-5.43e-05
3332	171	1.58	-11.19	-0.37	3.13e-04	1.66e-04	3.83e-04
3332	177	7.78	3.35	-0.35	3.82e-05	7.29e-04	-4.71e-04
3332	198	-4.79	7.14	-0.48	-8.22e-05	-3.98e-04	-5.68e-05
3332	203	1.54	-11.18	-0.37	3.12e-04	1.64e-04	3.86e-04
3332	209	9.03	3.92	-0.34	3.06e-05	8.37e-04	-5.49e-04
3332	230	-5.59	8.37	-0.49	-1.10e-04	-4.66e-04	-6.95e-05
3332	235	1.73	-13.12	-0.36	3.52e-04	1.83e-04	4.60e-04
3333	28	0.21	-0.82	-0.63	0.0	7.05e-05	7.05e-06
3333	44	0.19	-1.26	-0.56	0.0	5.65e-05	1.43e-05
3333	80	0.14	-0.55	-0.44	0.0	4.98e-05	4.64e-06
3333	88	0.13	-0.84	-0.39	0.0	4.05e-05	9.49e-06
3333	98	0.11	-0.08	-0.37	0.0	4.54e-05	-1.67e-06
3333	105	0.11	-0.23	-0.35	0.0	4.18e-05	0.0
3333	107	0.11	-0.07	-0.35	0.0	4.33e-05	-1.56e-06
3333	111	-5.78	-6.95	-0.40	0.0	-9.55e-04	4.07e-04
3333	113	6.00	2.86	-0.31	0.0	1.04e-03	-4.09e-04
3333	139	1.23	-8.82	-0.38	0.0	2.42e-04	3.17e-04
3333	143	-6.52	-7.81	-0.41	0.0	-1.08e-03	4.59e-04
3333	145	6.74	3.23	-0.31	0.0	1.17e-03	-4.60e-04
3333	171	1.37	-9.93	-0.38	0.0	2.67e-04	3.58e-04
3333	175	-6.36	-7.69	-0.41	0.0	-1.05e-03	4.53e-04
3333	177	6.58	3.18	-0.31	0.0	1.14e-03	-4.54e-04
3333	203	1.35	-9.93	-0.39	0.0	2.64e-04	3.63e-04
3333	207	-7.41	-8.96	-0.42	0.0	-1.22e-03	5.30e-04
3333	209	7.63	3.73	-0.30	0.0	1.31e-03	-5.30e-04
3333	235	1.52	-11.67	-0.39	0.0	2.95e-04	4.34e-04
3334	28	0.24	-0.89	-0.68	0.0	6.88e-05	2.60e-06
3334	44	0.22	-1.35	-0.60	0.0	5.26e-05	7.00e-06
3334	80	0.17	-0.60	-0.48	0.0	4.87e-05	1.65e-06
3334	88	0.15	-0.91	-0.43	0.0	3.80e-05	4.58e-06
3334	98	0.14	-0.09	-0.39	0.0	4.61e-05	-1.80e-06
3334	105	0.13	-0.25	-0.38	0.0	4.18e-05	0.0
3334	107	0.13	-0.09	-0.38	0.0	4.40e-05	-1.70e-06
3334	111	-6.24	-7.32	-0.43	0.0	-9.08e-04	4.16e-04
3334	113	6.50	2.95	-0.34	0.0	9.96e-04	-4.18e-04
3334	139	1.35	-9.40	-0.41	0.0	2.34e-04	3.28e-04
3334	143	-7.04	-8.23	-0.44	0.0	-1.03e-03	4.69e-04
3334	145	7.30	3.33	-0.33	0.0	1.12e-03	-4.71e-04
3334	171	1.50	-10.58	-0.41	0.0	2.57e-04	3.71e-04
3334	175	-6.87	-8.09	-0.44	0.0	-9.99e-04	4.62e-04
3334	177	7.13	3.27	-0.33	0.0	1.09e-03	-4.64e-04
3334	203	1.47	-10.58	-0.41	0.0	2.54e-04	3.75e-04
3334	207	-7.99	-9.42	-0.45	0.0	-1.17e-03	5.40e-04
3334	209	8.26	3.83	-0.32	0.0	1.25e-03	-5.41e-04
3334	235	1.66	-12.42	-0.42	0.0	2.83e-04	4.48e-04
3335	4	0.28	0.56	-0.76	1.15e-04	6.91e-05	-2.86e-06
3335	28	0.27	-0.96	-0.78	1.64e-04	6.78e-05	-3.72e-06
3335	44	0.24	-1.44	-0.69	1.66e-04	5.82e-05	-3.19e-06
3335	68	0.19	0.37	-0.53	8.29e-05	4.79e-05	-2.05e-06
3335	80	0.19	-0.64	-0.54	1.15e-04	4.71e-05	-2.63e-06

3335	88	0.17	-0.97	-0.48	1.17e-04	4.07e-05	-2.27e-06
3335	98	0.16	-0.11	-0.45	8.55e-05	3.80e-05	-2.22e-06
3335	105	0.15	-0.27	-0.43	8.78e-05	3.58e-05	-2.09e-06
3335	107	0.15	-0.10	-0.43	8.23e-05	3.60e-05	-2.12e-06
3335	111	-6.68	-7.66	-0.49	2.34e-04	-6.15e-04	4.23e-04
3335	113	6.98	3.02	-0.39	3.71e-05	6.81e-04	-4.27e-04
3335	139	1.46	-9.94	-0.46	3.02e-04	1.57e-04	3.37e-04
3335	143	-7.54	-8.61	-0.50	2.53e-04	-6.97e-04	4.77e-04
3335	145	7.84	3.42	-0.38	3.13e-05	7.61e-04	-4.81e-04
3335	171	1.63	-11.19	-0.47	3.29e-04	1.72e-04	3.81e-04
3335	175	-7.35	-8.46	-0.50	2.50e-04	-6.72e-04	4.70e-04
3335	177	7.66	3.35	-0.38	3.20e-05	7.36e-04	-4.74e-04
3335	203	1.60	-11.18	-0.47	3.29e-04	1.71e-04	3.85e-04
3335	207	-8.56	-9.85	-0.51	2.78e-04	-7.82e-04	5.48e-04
3335	209	8.87	3.92	-0.37	2.33e-05	8.45e-04	-5.52e-04
3335	235	1.80	-13.12	-0.48	3.71e-04	1.91e-04	4.59e-04
3336	28	0.21	-0.82	-0.68	0.0	6.60e-05	1.19e-05
3336	44	0.20	-1.26	-0.61	0.0	4.94e-05	2.03e-05
3336	80	0.15	-0.55	-0.48	0.0	4.68e-05	8.04e-06
3336	88	0.14	-0.84	-0.43	0.0	3.58e-05	1.36e-05
3336	98	0.11	-0.08	-0.39	0.0	4.51e-05	0.0
3336	105	0.11	-0.23	-0.37	0.0	4.06e-05	2.86e-06
3336	107	0.11	-0.07	-0.37	0.0	4.30e-05	0.0
3336	113	5.90	2.86	-0.32	0.0	1.05e-03	-4.07e-04
3336	127	-3.70	-7.56	-0.49	0.0	-6.29e-04	-2.99e-05
3336	139	1.27	-8.82	-0.48	0.0	2.46e-04	3.13e-04
3336	145	6.63	3.23	-0.32	0.0	1.17e-03	-4.58e-04
3336	159	-4.18	-8.49	-0.50	0.0	-7.12e-04	-3.42e-05
3336	171	1.41	-9.93	-0.49	0.0	2.72e-04	3.54e-04
3336	177	6.45	3.18	-0.32	0.0	1.14e-03	-4.54e-04
3336	191	-4.06	-8.29	-0.50	0.0	-6.91e-04	-3.67e-05
3336	203	1.39	-9.93	-0.49	0.0	2.69e-04	3.59e-04
3336	209	7.46	3.73	-0.31	0.0	1.31e-03	-5.31e-04
3336	227	-4.21	-9.80	-0.52	0.0	-7.21e-04	-2.99e-05
3336	235	1.58	-11.66	-0.51	0.0	3.01e-04	4.30e-04
3337	28	0.24	-0.89	-0.73	0.0	6.19e-05	5.41e-06
3337	44	0.22	-1.35	-0.65	0.0	4.20e-05	1.04e-05
3337	80	0.17	-0.60	-0.51	0.0	4.41e-05	3.61e-06
3337	88	0.16	-0.91	-0.46	0.0	3.08e-05	6.93e-06
3337	98	0.14	-0.09	-0.42	0.0	4.54e-05	0.0
3337	105	0.13	-0.25	-0.40	0.0	3.98e-05	0.0
3337	107	0.13	-0.09	-0.40	0.0	4.33e-05	0.0
3337	113	6.41	2.95	-0.35	0.0	1.00e-03	-4.18e-04
3337	127	-4.01	-8.01	-0.52	0.0	-6.03e-04	-3.64e-05
3337	139	1.39	-9.39	-0.51	0.0	2.36e-04	3.25e-04
3337	145	7.19	3.33	-0.34	0.0	1.12e-03	-4.71e-04
3337	159	-4.52	-9.00	-0.54	0.0	-6.83e-04	-4.15e-05
3337	171	1.55	-10.57	-0.52	0.0	2.61e-04	3.67e-04
3337	177	7.00	3.27	-0.34	0.0	1.09e-03	-4.65e-04
3337	191	-4.40	-8.78	-0.53	0.0	-6.63e-04	-4.40e-05
3337	203	1.52	-10.57	-0.53	0.0	2.57e-04	3.72e-04
3337	209	8.10	3.83	-0.33	0.0	1.26e-03	-5.43e-04
3337	227	-4.56	-10.38	-0.56	0.0	-6.97e-04	-3.64e-05
3337	235	1.72	-12.41	-0.55	0.0	2.88e-04	4.45e-04
3338	4	0.27	0.56	-0.79	1.44e-04	6.34e-05	-2.52e-06
3338	28	0.27	-0.96	-0.83	2.00e-04	6.23e-05	-3.78e-06
3338	44	0.24	-1.44	-0.74	2.01e-04	5.31e-05	-3.38e-06
3338	68	0.19	0.37	-0.56	1.03e-04	4.38e-05	-1.82e-06
3338	80	0.19	-0.64	-0.58	1.41e-04	4.30e-05	-2.66e-06
3338	88	0.17	-0.97	-0.53	1.41e-04	3.69e-05	-2.39e-06
3338	98	0.16	-0.11	-0.48	1.05e-04	3.42e-05	-2.15e-06
3338	105	0.15	-0.27	-0.46	1.08e-04	3.21e-05	-2.06e-06
3338	107	0.15	-0.10	-0.45	1.01e-04	3.22e-05	-2.06e-06
3338	108	6.89	7.46	-0.34	-8.82e-05	7.01e-04	-4.28e-04
3338	127	-4.30	-8.44	-0.58	3.46e-04	-4.14e-04	-4.47e-05
3338	139	1.50	-9.94	-0.57	3.67e-04	1.63e-04	3.36e-04
3338	140	7.74	8.41	-0.33	-1.12e-04	7.85e-04	-4.82e-04
3338	159	-4.86	-9.47	-0.60	3.76e-04	-4.69e-04	-5.06e-05
3338	171	1.67	-11.19	-0.59	4.01e-04	1.79e-04	3.79e-04
3338	177	7.53	3.35	-0.39	3.44e-05	7.52e-04	-4.75e-04
3338	191	-4.72	-9.25	-0.60	3.70e-04	-4.51e-04	-5.31e-05
3338	203	1.65	-11.18	-0.59	4.00e-04	1.79e-04	3.83e-04
3338	209	8.71	3.92	-0.38	2.25e-05	8.62e-04	-5.54e-04
3338	227	-4.90	-10.92	-0.62	4.18e-04	-4.52e-04	-4.50e-05
3338	235	1.86	-13.12	-0.61	4.53e-04	2.01e-04	4.58e-04

3339	28	0.22	-0.83	-0.76	0.0	6.00e-05	1.48e-05
3339	44	0.21	-1.26	-0.69	0.0	4.03e-05	2.34e-05
3339	80	0.15	-0.55	-0.54	0.0	4.27e-05	1.01e-05
3339	88	0.15	-0.85	-0.49	0.0	2.96e-05	1.58e-05
3339	98	0.11	-0.08	-0.43	0.0	4.43e-05	1.57e-06
3339	105	0.11	-0.23	-0.42	0.0	3.88e-05	4.42e-06
3339	107	0.11	-0.08	-0.41	0.0	4.22e-05	1.58e-06
3339	113	5.80	2.86	-0.34	0.0	1.06e-03	-4.07e-04
3339	127	-3.68	-7.56	-0.63	0.0	-6.43e-04	-2.46e-05
3339	139	1.30	-8.81	-0.63	0.0	2.52e-04	3.09e-04
3339	145	6.52	3.23	-0.33	0.0	1.18e-03	-4.59e-04
3339	159	-4.15	-8.49	-0.66	0.0	-7.28e-04	-2.85e-05
3339	171	1.45	-9.92	-0.66	0.0	2.78e-04	3.49e-04
3339	177	6.32	3.18	-0.33	0.0	1.15e-03	-4.56e-04
3339	203	1.44	-9.93	-0.66	0.0	2.75e-04	3.56e-04
3339	209	7.29	3.73	-0.31	0.0	1.32e-03	-5.34e-04
3339	235	1.63	-11.66	-0.70	0.0	3.09e-04	4.26e-04
3340	28	0.25	-0.89	-0.82	0.0	5.28e-05	6.94e-06
3340	44	0.23	-1.35	-0.74	0.0	2.84e-05	1.20e-05
3340	80	0.17	-0.60	-0.58	0.0	3.78e-05	4.70e-06
3340	88	0.16	-0.91	-0.52	0.0	2.16e-05	8.05e-06
3340	98	0.14	-0.09	-0.47	0.0	4.39e-05	0.0
3340	105	0.13	-0.25	-0.45	0.0	3.68e-05	1.72e-06
3340	107	0.13	-0.09	-0.44	0.0	4.18e-05	0.0
3340	113	6.31	2.95	-0.37	0.0	1.02e-03	-4.18e-04
3340	127	-3.99	-8.01	-0.67	0.0	-6.25e-04	-3.31e-05
3340	139	1.42	-9.39	-0.67	0.0	2.42e-04	3.22e-04
3340	145	7.09	3.33	-0.36	0.0	1.14e-03	-4.71e-04
3340	159	-4.50	-8.99	-0.70	0.0	-7.08e-04	-3.79e-05
3340	171	1.59	-10.57	-0.70	0.0	2.67e-04	3.64e-04
3340	177	6.88	3.27	-0.36	0.0	1.11e-03	-4.66e-04
3340	203	1.57	-10.57	-0.70	0.0	2.64e-04	3.70e-04
3340	209	7.94	3.83	-0.34	0.0	1.28e-03	-5.46e-04
3340	235	1.78	-12.41	-0.75	0.0	2.96e-04	4.42e-04
3341	4	0.27	0.56	-0.86	1.93e-04	5.40e-05	-3.11e-06
3341	28	0.27	-0.96	-0.93	2.61e-04	5.32e-05	-4.25e-06
3341	44	0.24	-1.44	-0.84	2.59e-04	4.46e-05	-3.80e-06
3341	68	0.19	0.37	-0.61	1.39e-04	3.68e-05	-2.25e-06
3341	80	0.19	-0.64	-0.65	1.84e-04	3.63e-05	-3.01e-06
3341	88	0.17	-0.97	-0.59	1.83e-04	3.05e-05	-2.71e-06
3341	98	0.16	-0.11	-0.53	1.39e-04	2.78e-05	-2.52e-06
3341	105	0.15	-0.27	-0.51	1.41e-04	2.58e-05	-2.41e-06
3341	107	0.15	-0.10	-0.50	1.33e-04	2.59e-05	-2.42e-06
3341	108	6.81	7.46	-0.30	-1.18e-04	7.17e-04	-4.29e-04
3341	127	-4.29	-8.44	-0.74	4.56e-04	-4.37e-04	-4.52e-05
3341	139	1.54	-9.94	-0.74	4.79e-04	1.67e-04	3.36e-04
3341	140	7.65	8.41	-0.28	-1.50e-04	8.03e-04	-4.83e-04
3341	159	-4.85	-9.47	-0.77	4.96e-04	-4.95e-04	-5.11e-05
3341	171	1.72	-11.19	-0.77	5.23e-04	1.85e-04	3.79e-04
3341	172	7.42	8.26	-0.28	-1.47e-04	7.72e-04	-4.76e-04
3341	203	1.70	-11.18	-0.77	5.23e-04	1.84e-04	3.83e-04
3341	204	8.56	9.64	-0.24	-1.94e-04	8.86e-04	-5.55e-04
3341	235	1.92	-13.12	-0.82	5.90e-04	2.09e-04	4.58e-04
3342	28	0.23	-0.83	-0.91	0.0	5.28e-05	1.34e-05
3342	44	0.23	-1.26	-0.83	0.0	3.00e-05	2.01e-05
3342	80	0.16	-0.55	-0.64	0.0	3.78e-05	9.22e-06
3342	88	0.16	-0.85	-0.59	0.0	2.26e-05	1.37e-05
3342	98	0.12	-0.08	-0.51	0.0	4.28e-05	2.26e-06
3342	105	0.12	-0.23	-0.50	0.0	3.62e-05	4.50e-06
3342	107	0.11	-0.08	-0.49	0.0	4.08e-05	2.25e-06
3342	113	5.69	2.86	-0.37	0.0	1.08e-03	-4.09e-04
3342	135	0.93	-8.76	-0.88	0.0	1.88e-04	3.04e-04
3342	139	1.33	-8.81	-0.88	0.0	2.60e-04	3.05e-04
3342	145	6.39	3.23	-0.35	0.0	1.21e-03	-4.61e-04
3342	167	1.02	-9.85	-0.93	0.0	2.06e-04	3.43e-04
3342	171	1.48	-9.92	-0.93	0.0	2.87e-04	3.45e-04
3342	177	6.18	3.18	-0.35	0.0	1.17e-03	-4.60e-04
3342	203	1.47	-9.93	-0.93	0.0	2.85e-04	3.53e-04
3342	209	7.12	3.72	-0.32	0.0	1.35e-03	-5.40e-04
3342	235	1.68	-11.66	-1.01	0.0	3.21e-04	4.22e-04
3343	28	0.25	-0.89	-0.97	0.0	4.20e-05	5.67e-06
3343	44	0.23	-1.35	-0.89	0.0	1.35e-05	9.57e-06
3343	80	0.18	-0.60	-0.68	0.0	3.04e-05	3.86e-06
3343	88	0.16	-0.91	-0.63	0.0	1.14e-05	6.46e-06
3343	98	0.14	-0.09	-0.55	0.0	4.13e-05	0.0

3343	105	0.13	-0.25	-0.53	0.0	3.28e-05	1.51e-06
3343	107	0.13	-0.09	-0.52	0.0	3.93e-05	0.0
3343	108	6.22	7.13	-0.19	0.0	1.06e-03	-4.19e-04
3343	135	1.02	-9.33	-0.93	0.0	1.84e-04	3.16e-04
3343	139	1.46	-9.39	-0.93	0.0	2.52e-04	3.19e-04
3343	140	6.99	8.04	-0.15	0.0	1.19e-03	-4.71e-04
3343	167	1.13	-10.49	-0.98	0.0	2.02e-04	3.56e-04
3343	171	1.62	-10.57	-0.98	0.0	2.79e-04	3.61e-04
3343	172	6.75	7.91	-0.15	0.0	1.15e-03	-4.68e-04
3343	203	1.61	-10.57	-0.98	0.0	2.77e-04	3.67e-04
3343	204	7.78	9.23	-0.09	0.0	1.33e-03	-5.48e-04
3343	235	1.83	-12.41	-1.07	0.0	3.12e-04	4.39e-04
3344	4	0.27	0.56	-0.98	2.50e-04	3.95e-05	-2.05e-06
3344	28	0.27	-0.96	-1.08	3.33e-04	3.87e-05	-3.58e-06
3344	44	0.23	-1.44	-0.99	3.29e-04	3.10e-05	-3.29e-06
3344	68	0.19	0.37	-0.69	1.79e-04	2.61e-05	-1.49e-06
3344	80	0.19	-0.64	-0.76	2.35e-04	2.56e-05	-2.51e-06
3344	88	0.17	-0.97	-0.70	2.32e-04	2.04e-05	-2.31e-06
3344	98	0.16	-0.11	-0.61	1.78e-04	1.77e-05	-1.94e-06
3344	105	0.15	-0.27	-0.59	1.80e-04	1.59e-05	-1.88e-06
3344	107	0.15	-0.10	-0.58	1.71e-04	1.60e-05	-1.85e-06
3344	108	6.74	7.45	-0.24	-1.58e-04	7.33e-04	-4.28e-04
3344	135	1.11	-9.87	-1.01	6.21e-04	1.10e-04	3.30e-04
3344	139	1.58	-9.94	-1.01	6.22e-04	1.68e-04	3.35e-04
3344	140	7.57	8.40	-0.20	-1.99e-04	8.23e-04	-4.82e-04
3344	167	1.23	-11.11	-1.06	6.78e-04	1.21e-04	3.72e-04
3344	171	1.76	-11.19	-1.06	6.80e-04	1.87e-04	3.79e-04
3344	172	7.32	8.26	-0.20	-1.95e-04	7.88e-04	-4.75e-04
3344	203	1.75	-11.18	-1.06	6.79e-04	1.87e-04	3.83e-04
3344	204	8.43	9.64	-0.13	-2.57e-04	9.04e-04	-5.55e-04
3344	235	1.99	-13.12	-1.15	7.67e-04	2.14e-04	4.57e-04
3345	28	0.24	-0.83	-1.16	0.0	4.56e-05	4.25e-06
3345	44	0.24	-1.26	-1.08	0.0	2.06e-05	5.70e-06
3345	80	0.16	-0.56	-0.82	0.0	3.28e-05	2.98e-06
3345	88	0.16	-0.85	-0.76	0.0	1.61e-05	3.95e-06
3345	98	0.12	-0.08	-0.65	0.0	4.06e-05	1.28e-06
3345	105	0.12	-0.23	-0.63	0.0	3.32e-05	1.76e-06
3345	107	0.11	-0.08	-0.62	0.0	3.86e-05	1.27e-06
3345	108	5.58	6.79	-0.09	0.0	1.12e-03	-4.09e-04
3345	135	0.95	-8.76	-1.29	0.0	1.96e-04	3.00e-04
3345	139	1.35	-8.81	-1.29	0.0	2.71e-04	3.00e-04
3345	140	6.27	7.66	-0.02	0.0	1.26e-03	-4.61e-04
3345	171	1.51	-9.92	-1.38	0.0	3.00e-04	3.39e-04
3345	177	6.04	3.18	-0.40	0.0	1.21e-03	-4.60e-04
3345	203	1.50	-9.93	-1.38	0.0	2.99e-04	3.47e-04
3345	209	6.94	3.72	-0.35	0.0	1.39e-03	-5.40e-04
3345	235	1.72	-11.66	-1.51	0.0	3.38e-04	4.17e-04
3346	28	0.25	-0.89	-1.22	0.0	3.38e-05	-1.05e-06
3346	44	0.24	-1.35	-1.13	0.0	2.19e-06	0.0
3346	80	0.18	-0.60	-0.85	0.0	2.48e-05	0.0
3346	88	0.17	-0.91	-0.80	0.0	3.70e-06	0.0
3346	98	0.14	-0.09	-0.68	0.0	3.93e-05	-1.31e-06
3346	105	0.13	-0.25	-0.67	0.0	2.97e-05	-1.05e-06
3346	107	0.13	-0.09	-0.65	0.0	3.73e-05	-1.26e-06
3346	108	6.14	7.13	-0.11	0.0	1.11e-03	-4.17e-04
3346	139	1.49	-9.39	-1.34	0.0	2.66e-04	3.15e-04
3346	140	6.89	8.04	-0.04	0.0	1.25e-03	-4.70e-04
3346	171	1.66	-10.57	-1.43	0.0	2.95e-04	3.56e-04
3346	172	6.64	7.91	-0.04	0.0	1.20e-03	-4.66e-04
3346	203	1.65	-10.57	-1.43	0.0	2.93e-04	3.62e-04
3346	204	7.63	9.23	0.06	0.0	1.38e-03	-5.46e-04
3346	235	1.88	-12.41	-1.57	0.0	3.32e-04	4.33e-04
3347	4	0.27	0.56	-1.16	2.97e-04	1.59e-05	0.0
3347	28	0.27	-0.96	-1.31	3.94e-04	1.58e-05	-2.37e-06
3347	44	0.23	-1.44	-1.22	3.90e-04	9.69e-06	-2.37e-06
3347	68	0.19	0.37	-0.82	2.13e-04	8.64e-06	0.0
3347	80	0.19	-0.64	-0.92	2.78e-04	8.58e-06	-1.59e-06
3347	88	0.17	-0.97	-0.86	2.75e-04	4.50e-06	-1.59e-06
3347	98	0.16	-0.11	-0.73	2.12e-04	1.43e-06	0.0
3347	105	0.15	-0.27	-0.72	2.14e-04	0.0	0.0
3347	107	0.15	-0.10	-0.70	2.03e-04	0.0	0.0
3347	108	6.69	7.45	-0.15	-2.03e-04	7.59e-04	-4.27e-04
3347	139	1.62	-9.94	-1.41	7.66e-04	1.67e-04	3.35e-04
3347	140	7.50	8.40	-0.08	-2.54e-04	8.54e-04	-4.81e-04
3347	171	1.80	-11.19	-1.50	8.37e-04	1.89e-04	3.78e-04

3347	172	7.23	8.26	-0.08	-2.50e-04	8.15e-04	-4.75e-04
3347	203	1.80	-11.18	-1.50	8.35e-04	1.89e-04	3.83e-04
3347	204	8.32	9.64	0.02	-3.26e-04	9.36e-04	-5.54e-04
3347	235	2.05	-13.12	-1.64	9.46e-04	2.19e-04	4.57e-04
3348	28	0.07	-0.52	-1.49	0.0	1.28e-04	8.32e-06
3348	44	0.08	-0.85	-1.39	0.0	1.43e-04	1.15e-06
3348	80	0.05	-0.35	-1.04	0.0	8.95e-05	6.71e-06
3348	88	0.05	-0.57	-0.98	0.0	9.94e-05	1.93e-06
3348	98	0.03	-0.01	-0.83	0.0	5.55e-05	1.16e-05
3348	105	0.03	-0.12	-0.81	0.0	6.15e-05	9.33e-06
3348	107	0.03	-9.68e-03	-0.79	0.0	5.33e-05	1.14e-05
3348	108	3.10	5.34	0.02	0.0	1.06e-03	-3.46e-04
3348	139	0.76	-6.33	-1.85	0.0	2.90e-04	2.58e-04
3348	140	3.48	6.01	0.13	0.0	1.18e-03	-3.92e-04
3348	171	0.85	-7.14	-1.99	0.0	3.20e-04	2.91e-04
3348	172	3.33	5.94	0.12	0.0	1.14e-03	-3.93e-04
3348	203	0.85	-7.16	-1.99	0.0	3.19e-04	2.99e-04
3348	204	3.82	6.94	0.27	0.0	1.31e-03	-4.65e-04
3348	235	0.98	-8.43	-2.20	0.0	3.60e-04	3.56e-04
3349	18	6.57e-03	0.77	-1.03	4.04e-04	-5.31e-05	3.43e-06
3349	28	-7.18e-03	-0.42	-1.47	6.40e-04	1.18e-04	-1.58e-06
3349	41	-9.95e-03	-0.73	-0.93	4.44e-04	1.08e-04	-4.76e-06
3349	75	3.96e-03	0.51	-0.74	2.94e-04	-3.23e-05	1.99e-06
3349	80	-5.21e-03	-0.28	-1.03	4.51e-04	8.18e-05	-1.35e-06
3349	85	-7.05e-03	-0.49	-0.67	3.20e-04	7.51e-05	-3.47e-06
3349	98	-3.08e-03	0.02	-0.81	3.49e-04	4.74e-05	0.0
3349	103	-1.72e-03	0.12	-0.75	3.21e-04	2.89e-05	0.0
3349	104	-3.93e-03	-0.08	-0.58	2.63e-04	4.14e-05	-2.05e-06
3349	106	-3.15e-03	0.02	-0.56	2.49e-04	3.29e-05	-1.69e-06
3349	107	-3.09e-03	0.02	-0.78	3.35e-04	4.54e-05	0.0
3349	111	-2.57	-4.94	-1.59	8.61e-04	-1.14e-03	2.83e-04
3349	136	-0.61	5.74	0.29	-4.11e-04	-2.28e-04	-2.31e-04
3349	139	0.60	-5.70	-1.84	1.08e-03	3.19e-04	2.29e-04
3349	143	-2.89	-5.56	-1.69	9.28e-04	-1.28e-03	3.18e-04
3349	168	-0.69	6.47	0.42	-5.05e-04	-2.63e-04	-2.61e-04
3349	171	0.68	-6.43	-1.98	1.17e-03	3.53e-04	2.59e-04
3349	175	-2.76	-5.51	-1.68	9.21e-04	-1.23e-03	3.12e-04
3349	200	-0.69	6.49	0.42	-5.03e-04	-2.61e-04	-2.62e-04
3349	203	0.69	-6.45	-1.98	1.17e-03	3.52e-04	2.60e-04
3349	207	-3.17	-6.44	-1.84	1.02e-03	-1.43e-03	3.64e-04
3349	232	-0.80	7.65	0.63	-6.48e-04	-3.08e-04	-3.12e-04
3349	235	0.80	-7.61	-2.19	1.32e-03	3.99e-04	3.10e-04
3350	28	0.13	-0.61	-1.50	0.0	1.06e-04	1.31e-05
3350	44	0.15	-0.96	-1.40	0.0	1.13e-04	1.94e-06
3350	80	0.09	-0.41	-1.05	0.0	7.39e-05	1.07e-05
3350	88	0.10	-0.64	-0.99	0.0	7.85e-05	3.27e-06
3350	98	0.06	-0.03	-0.83	0.0	4.87e-05	1.88e-05
3350	105	0.06	-0.15	-0.82	0.0	5.20e-05	1.52e-05
3350	107	0.05	-0.03	-0.79	0.0	4.66e-05	1.84e-05
3350	108	3.66	5.70	0.02	0.0	1.11e-03	-4.13e-04
3350	139	0.91	-6.96	-1.86	0.0	2.93e-04	3.12e-04
3350	140	4.11	6.43	0.12	0.0	1.24e-03	-4.68e-04
3350	171	1.02	-7.84	-2.00	0.0	3.24e-04	3.50e-04
3350	172	3.94	6.34	0.11	0.0	1.20e-03	-4.70e-04
3350	203	1.02	-7.86	-2.00	0.0	3.23e-04	3.58e-04
3350	204	4.52	7.41	0.27	0.0	1.37e-03	-5.56e-04
3350	235	1.18	-9.25	-2.21	0.0	3.66e-04	4.25e-04
3351	28	0.18	-0.69	-1.51	0.0	7.83e-05	4.73e-06
3351	44	0.20	-1.07	-1.41	0.0	7.44e-05	-8.38e-06
3351	80	0.13	-0.46	-1.06	0.0	5.47e-05	4.80e-06
3351	88	0.14	-0.72	-0.99	0.0	5.21e-05	-3.94e-06
3351	98	0.08	-0.05	-0.84	0.0	4.14e-05	1.54e-05
3351	105	0.09	-0.18	-0.82	0.0	4.11e-05	1.11e-05
3351	107	0.08	-0.05	-0.80	0.0	3.94e-05	1.52e-05
3351	108	4.26	6.07	0.02	0.0	1.16e-03	-4.27e-04
3351	139	1.07	-7.59	-1.87	0.0	2.94e-04	3.16e-04
3351	140	4.78	6.84	0.12	0.0	1.30e-03	-4.83e-04
3351	171	1.19	-8.55	-2.01	0.0	3.26e-04	3.55e-04
3351	172	4.58	6.75	0.11	0.0	1.25e-03	-4.84e-04
3351	203	1.19	-8.57	-2.01	0.0	3.26e-04	3.64e-04
3351	204	5.25	7.89	0.27	0.0	1.44e-03	-5.73e-04
3351	235	1.37	-10.07	-2.22	0.0	3.70e-04	4.33e-04
3352	28	0.21	-0.76	-1.52	0.0	5.41e-05	-8.19e-06
3352	44	0.23	-1.17	-1.42	0.0	3.88e-05	-2.06e-05
3352	80	0.15	-0.51	-1.07	0.0	3.81e-05	-4.77e-06

3352	88	0.16	-0.78	-1.00	0.0	2.79e-05	-1.30e-05
3352	98	0.10	-0.07	-0.84	0.0	3.68e-05	6.43e-06
3352	105	0.11	-0.21	-0.83	0.0	3.27e-05	2.33e-06
3352	107	0.10	-0.06	-0.81	0.0	3.49e-05	6.34e-06
3352	108	4.88	6.44	0.01	0.0	1.19e-03	-4.10e-04
3352	139	1.22	-8.22	-1.89	0.0	2.93e-04	2.95e-04
3352	140	5.48	7.26	0.12	0.0	1.34e-03	-4.62e-04
3352	171	1.36	-9.26	-2.02	0.0	3.26e-04	3.33e-04
3352	172	5.25	7.16	0.11	0.0	1.29e-03	-4.64e-04
3352	203	1.37	-9.27	-2.02	0.0	3.25e-04	3.42e-04
3352	204	6.02	8.36	0.27	0.0	1.48e-03	-5.47e-04
3352	235	1.57	-10.89	-2.23	0.0	3.70e-04	4.10e-04
3353	28	0.07	-0.52	-1.86	0.0	1.36e-04	-5.03e-06
3353	44	0.08	-0.85	-1.75	0.0	1.43e-04	-2.51e-05
3353	80	0.05	-0.35	-1.31	0.0	9.58e-05	-1.85e-06
3353	88	0.05	-0.57	-1.24	0.0	1.01e-04	-1.52e-05
3353	98	0.04	-0.01	-1.03	0.0	6.75e-05	1.52e-05
3353	105	0.04	-0.12	-1.01	0.0	7.12e-05	8.64e-06
3353	107	0.04	-9.56e-03	-0.98	0.0	6.52e-05	1.48e-05
3353	108	2.96	5.34	0.16	0.0	8.60e-04	-3.60e-04
3353	139	0.75	-6.33	-2.52	0.0	2.50e-04	2.73e-04
3353	140	3.32	6.01	0.30	0.0	9.59e-04	-4.07e-04
3353	171	0.84	-7.14	-2.71	0.0	2.73e-04	3.07e-04
3353	172	3.16	5.94	0.29	0.0	9.25e-04	-4.09e-04
3353	203	0.85	-7.16	-2.71	0.0	2.72e-04	3.15e-04
3353	204	3.62	6.94	0.50	0.0	1.06e-03	-4.84e-04
3353	235	0.99	-8.43	-3.01	0.0	3.04e-04	3.74e-04
3354	18	7.52e-03	0.77	-1.29	3.66e-04	-5.31e-05	1.40e-06
3354	28	-9.40e-03	-0.42	-1.87	6.07e-04	1.18e-04	-4.51e-06
3354	41	-0.01	-0.73	-1.21	4.36e-04	1.08e-04	-6.75e-06
3354	75	4.38e-03	0.52	-0.93	2.68e-04	-3.23e-05	0.0
3354	80	-6.90e-03	-0.28	-1.32	4.28e-04	8.18e-05	-3.42e-06
3354	85	-9.61e-03	-0.49	-0.88	3.14e-04	7.51e-05	-4.92e-06
3354	98	-4.29e-03	0.02	-1.04	3.28e-04	4.74e-05	-2.46e-06
3354	103	-2.65e-03	0.12	-0.96	3.00e-04	2.89e-05	-1.94e-06
3354	104	-5.62e-03	-0.08	-0.75	2.53e-04	4.14e-05	-3.30e-06
3354	106	-4.62e-03	0.02	-0.72	2.38e-04	3.29e-05	-2.90e-06
3354	107	-4.33e-03	0.02	-0.99	3.16e-04	4.54e-05	-2.53e-06
3354	111	-2.58	-4.94	-2.13	8.73e-04	-1.14e-03	2.81e-04
3354	136	-0.64	5.74	0.54	-4.79e-04	-2.28e-04	-2.32e-04
3354	139	0.63	-5.70	-2.53	1.11e-03	3.19e-04	2.27e-04
3354	143	-2.90	-5.56	-2.28	9.43e-04	-1.28e-03	3.16e-04
3354	168	-0.72	6.47	0.74	-5.79e-04	-2.63e-04	-2.62e-04
3354	171	0.71	-6.43	-2.72	1.21e-03	3.53e-04	2.57e-04
3354	175	-2.76	-5.51	-2.26	9.35e-04	-1.23e-03	3.10e-04
3354	200	-0.73	6.49	0.74	-5.77e-04	-2.61e-04	-2.63e-04
3354	203	0.72	-6.46	-2.72	1.21e-03	3.52e-04	2.58e-04
3354	207	-3.15	-6.44	-2.48	1.04e-03	-1.43e-03	3.62e-04
3354	232	-0.84	7.65	1.04	-7.31e-04	-3.08e-04	-3.13e-04
3354	235	0.84	-7.61	-3.02	1.36e-03	3.99e-04	3.08e-04
3355	28	0.14	-0.61	-1.85	0.0	1.02e-04	-4.55e-06
3355	44	0.15	-0.96	-1.75	0.0	1.04e-04	-3.86e-05
3355	80	0.10	-0.41	-1.30	0.0	7.15e-05	0.0
3355	88	0.10	-0.64	-1.23	0.0	7.29e-05	-2.27e-05
3355	98	0.07	-0.03	-1.02	0.0	5.10e-05	2.90e-05
3355	105	0.07	-0.15	-1.01	0.0	5.27e-05	1.79e-05
3355	107	0.07	-0.03	-0.98	0.0	4.89e-05	2.85e-05
3355	108	3.44	5.70	0.16	0.0	1.04e-03	-4.75e-04
3355	139	0.89	-6.96	-2.51	0.0	2.78e-04	-4.84e-05
3355	140	3.87	6.43	0.30	0.0	1.17e-03	-5.38e-04
3355	171	1.00	-7.85	-2.71	0.0	3.07e-04	-5.75e-05
3355	172	3.69	6.34	0.29	0.0	1.12e-03	-5.37e-04
3355	203	1.01	-7.86	-2.70	0.0	3.07e-04	-5.27e-05
3355	204	4.22	7.41	0.51	0.0	1.29e-03	-6.36e-04
3355	235	1.16	-9.25	-3.01	0.0	3.47e-04	-6.15e-05
3356	28	0.18	-0.69	-1.85	0.0	6.42e-05	-2.64e-05
3356	44	0.19	-1.07	-1.74	0.0	5.91e-05	-6.57e-05
3356	80	0.13	-0.46	-1.30	0.0	4.45e-05	-1.55e-05
3356	88	0.13	-0.72	-1.23	0.0	4.11e-05	-4.16e-05
3356	98	0.09	-0.05	-1.02	0.0	3.36e-05	2.04e-05
3356	105	0.09	-0.18	-1.01	0.0	3.28e-05	7.49e-06
3356	107	0.09	-0.05	-0.98	0.0	3.18e-05	2.01e-05
3356	108	4.04	6.07	0.16	0.0	1.22e-03	-4.37e-04
3356	139	1.05	-7.59	-2.51	0.0	3.06e-04	-3.47e-05
3356	140	4.54	6.84	0.30	0.0	1.37e-03	-4.95e-04

3356	171	1.17	-8.55	-2.70	0.0	3.40e-04	-4.11e-05
3356	172	4.33	6.75	0.29	0.0	1.32e-03	-4.96e-04
3356	203	1.18	-8.57	-2.70	0.0	3.41e-04	-3.68e-05
3356	204	4.95	7.89	0.50	0.0	1.51e-03	-5.87e-04
3356	235	1.35	-10.07	-3.00	0.0	3.89e-04	-4.22e-05
3357	28	0.20	-0.76	-1.85	0.0	4.08e-05	-4.38e-05
3357	44	0.20	-1.17	-1.74	0.0	2.84e-05	-8.06e-05
3357	80	0.14	-0.51	-1.30	0.0	2.80e-05	-2.85e-05
3357	88	0.14	-0.78	-1.23	0.0	1.97e-05	-5.30e-05
3357	98	0.10	-0.07	-1.02	0.0	2.56e-05	6.91e-06
3357	105	0.11	-0.21	-1.01	0.0	2.23e-05	-5.30e-06
3357	107	0.10	-0.06	-0.98	0.0	2.38e-05	6.81e-06
3357	108	4.73	6.44	0.16	0.0	1.31e-03	-4.04e-04
3357	139	1.22	-8.22	-2.51	0.0	3.20e-04	2.97e-04
3357	140	5.31	7.26	0.30	0.0	1.47e-03	-4.56e-04
3357	171	1.36	-9.26	-2.70	0.0	3.58e-04	3.35e-04
3357	172	5.08	7.16	0.29	0.0	1.41e-03	-4.57e-04
3357	203	1.37	-9.27	-2.70	0.0	3.58e-04	3.43e-04
3357	204	5.81	8.36	0.50	0.0	1.62e-03	-5.39e-04
3357	235	1.57	-10.89	-3.00	0.0	4.10e-04	4.10e-04
3358	18	0.09	0.81	-1.40	-9.76e-05	1.23e-04	2.22e-04
3358	28	0.07	-0.52	-2.12	1.75e-04	1.34e-04	-4.28e-05
3358	44	0.05	-0.85	-2.02	2.28e-04	1.22e-04	-8.58e-05
3358	75	0.06	0.54	-1.01	-6.23e-05	8.91e-05	1.49e-04
3358	80	0.05	-0.35	-1.49	1.20e-04	9.65e-05	-2.73e-05
3358	88	0.04	-0.57	-1.42	1.55e-04	8.88e-05	-5.60e-05
3358	98	0.05	-0.01	-1.16	4.68e-05	8.48e-05	1.27e-05
3358	103	0.05	0.10	-1.07	2.22e-05	8.23e-05	3.96e-05
3358	105	0.04	-0.12	-1.16	6.57e-05	8.22e-05	-1.45e-06
3358	107	0.04	-9.46e-03	-1.11	4.46e-05	8.22e-05	1.24e-05
3358	108	2.82	5.34	0.37	-7.24e-04	6.06e-04	-3.45e-04
3358	139	0.74	-6.33	-3.14	1.22e-03	1.92e-04	-2.39e-05
3358	140	3.16	6.01	0.55	-8.20e-04	6.71e-04	-3.90e-04
3358	171	0.83	-7.14	-3.39	1.37e-03	2.05e-04	-2.81e-05
3358	172	3.00	5.94	0.54	-7.94e-04	6.51e-04	-3.92e-04
3358	203	0.84	-7.16	-3.39	1.36e-03	2.04e-04	-2.47e-05
3358	204	3.42	6.94	0.82	-9.26e-04	7.40e-04	-4.63e-04
3358	235	0.97	-8.43	-3.79	1.58e-03	2.22e-04	-2.76e-05
3359	18	8.18e-03	0.77	-1.43	3.33e-04	-5.31e-05	-3.95e-06
3359	28	-0.01	-0.42	-2.15	5.71e-04	1.18e-04	-1.35e-05
3359	41	-0.02	-0.73	-1.43	4.22e-04	1.08e-04	-1.30e-05
3359	75	4.58e-03	0.52	-1.03	2.45e-04	-3.23e-05	-3.36e-06
3359	80	-8.95e-03	-0.28	-1.51	4.04e-04	8.18e-05	-9.72e-06
3359	85	-0.01	-0.49	-1.03	3.04e-04	7.51e-05	-9.42e-06
3359	98	-5.78e-03	0.02	-1.18	3.08e-04	4.74e-05	-7.27e-06
3359	103	-3.84e-03	0.12	-1.09	2.80e-04	2.89e-05	-6.32e-06
3359	104	-7.57e-03	-0.08	-0.87	2.42e-04	4.14e-05	-6.89e-06
3359	106	-6.34e-03	0.02	-0.83	2.26e-04	3.29e-05	-6.26e-06
3359	107	-5.86e-03	0.02	-1.13	2.96e-04	4.54e-05	-7.12e-06
3359	111	-2.61	-4.94	-2.61	8.62e-04	-1.14e-03	2.78e-04
3359	136	-0.66	5.74	0.89	-5.14e-04	-2.28e-04	-2.35e-04
3359	139	0.65	-5.70	-3.15	1.11e-03	3.19e-04	2.21e-04
3359	143	-2.93	-5.57	-2.79	9.34e-04	-1.28e-03	3.14e-04
3359	168	-0.74	6.47	1.15	-6.17e-04	-2.63e-04	-2.64e-04
3359	171	0.73	-6.43	-3.41	1.21e-03	3.53e-04	2.50e-04
3359	175	-2.77	-5.51	-2.78	9.26e-04	-1.23e-03	3.09e-04
3359	200	-0.76	6.50	1.15	-6.14e-04	-2.61e-04	-2.66e-04
3359	203	0.74	-6.46	-3.40	1.21e-03	3.52e-04	2.52e-04
3359	207	-3.16	-6.44	-3.05	1.03e-03	-1.43e-03	3.62e-04
3359	232	-0.88	7.65	1.54	-7.72e-04	-3.08e-04	-3.16e-04
3359	235	0.87	-7.61	-3.80	1.36e-03	3.99e-04	3.02e-04
3360	4	0.17	0.48	-1.73	-2.92e-05	9.18e-05	2.47e-04
3360	28	0.14	-0.61	-2.10	1.59e-04	8.90e-05	-5.54e-05
3360	44	0.12	-0.97	-2.01	2.13e-04	7.93e-05	-1.26e-04
3360	68	0.12	0.32	-1.23	-1.72e-05	6.52e-05	1.68e-04
3360	80	0.10	-0.41	-1.48	1.08e-04	6.33e-05	-3.38e-05
3360	88	0.09	-0.64	-1.42	1.44e-04	5.69e-05	-8.09e-05
3360	98	0.10	-0.03	-1.16	3.86e-05	5.43e-05	3.12e-05
3360	103	0.10	0.09	-1.07	1.54e-05	5.27e-05	7.52e-05
3360	105	0.09	-0.15	-1.15	5.73e-05	5.21e-05	7.90e-06
3360	107	0.09	-0.03	-1.11	3.67e-05	5.22e-05	3.05e-05
3360	108	3.14	5.70	0.38	-7.33e-04	9.97e-04	-4.45e-04
3360	139	0.84	-6.96	-3.12	1.22e-03	2.64e-04	-6.09e-05
3360	140	3.52	6.43	0.56	-8.29e-04	1.11e-03	-5.05e-04
3360	171	0.94	-7.85	-3.38	1.37e-03	2.91e-04	-7.17e-05

3360	172	3.34	6.34	0.55	-8.02e-04	1.07e-03	-5.04e-04
3360	203	0.95	-7.86	-3.38	1.36e-03	2.90e-04	-6.61e-05
3360	204	3.80	7.41	0.83	-9.33e-04	1.23e-03	-5.97e-04
3360	235	1.09	-9.25	-3.77	1.58e-03	3.27e-04	-7.70e-05
3361	4	0.19	0.50	-1.73	-2.93e-05	4.28e-05	2.59e-04
3361	28	0.16	-0.69	-2.10	1.48e-04	4.00e-05	-8.72e-05
3361	44	0.13	-1.07	-2.00	2.00e-04	3.30e-05	-1.66e-04
3361	68	0.14	0.33	-1.23	-1.75e-05	2.88e-05	1.74e-04
3361	80	0.11	-0.46	-1.48	1.01e-04	2.70e-05	-5.61e-05
3361	88	0.10	-0.72	-1.41	1.35e-04	2.23e-05	-1.09e-04
3361	98	0.10	-0.05	-1.15	3.41e-05	2.02e-05	1.92e-05
3361	103	0.10	0.08	-1.06	1.28e-05	1.92e-05	6.99e-05
3361	105	0.10	-0.18	-1.15	5.22e-05	1.86e-05	-6.89e-06
3361	107	0.10	-0.05	-1.10	3.24e-05	1.86e-05	1.89e-05
3361	108	3.85	6.07	0.38	-7.32e-04	1.36e-03	-4.14e-04
3361	139	1.02	-7.60	-3.11	1.21e-03	3.29e-04	-5.12e-05
3361	140	4.31	6.84	0.57	-8.28e-04	1.52e-03	-4.68e-04
3361	171	1.14	-8.55	-3.37	1.36e-03	3.69e-04	-5.94e-05
3361	172	4.10	6.75	0.55	-8.00e-04	1.46e-03	-4.69e-04
3361	203	1.15	-8.57	-3.37	1.35e-03	3.70e-04	-5.39e-05
3361	204	4.68	7.89	0.84	-9.30e-04	1.68e-03	-5.55e-04
3361	235	1.32	-10.07	-3.76	1.58e-03	4.25e-04	-6.12e-05
3362	4	0.20	0.51	-1.73	-2.57e-05	2.80e-05	2.29e-04
3362	28	0.17	-0.76	-2.09	1.39e-04	2.90e-05	-9.63e-05
3362	44	0.14	-1.17	-2.00	1.89e-04	2.33e-05	-1.70e-04
3362	68	0.14	0.34	-1.23	-1.53e-05	1.80e-05	1.54e-04
3362	80	0.12	-0.51	-1.47	9.44e-05	1.86e-05	-6.33e-05
3362	88	0.10	-0.78	-1.41	1.28e-04	1.48e-05	-1.12e-04
3362	98	0.11	-0.07	-1.15	3.13e-05	1.14e-05	8.19e-06
3362	103	0.11	0.08	-1.06	1.21e-05	1.00e-05	5.62e-05
3362	105	0.10	-0.21	-1.14	4.86e-05	1.02e-05	-1.61e-05
3362	107	0.10	-0.06	-1.10	2.98e-05	9.87e-06	8.05e-06
3362	108	4.60	6.44	0.38	-7.25e-04	1.44e-03	-3.92e-04
3362	139	1.20	-8.22	-3.10	1.20e-03	3.49e-04	-3.43e-05
3362	140	5.17	7.26	0.57	-8.19e-04	1.62e-03	-4.43e-04
3362	171	1.34	-9.26	-3.36	1.34e-03	3.92e-04	-3.92e-05
3362	172	4.92	7.16	0.55	-7.91e-04	1.55e-03	-4.45e-04
3362	203	1.35	-9.27	-3.35	1.33e-03	3.93e-04	-3.48e-05
3362	204	5.62	8.36	0.83	-9.20e-04	1.78e-03	-5.25e-04
3362	235	1.56	-10.89	-3.75	1.56e-03	4.54e-04	-3.79e-05
3363	28	0.23	-0.83	-1.53	0.0	3.92e-05	-1.70e-05
3363	44	0.24	-1.26	-1.43	0.0	1.45e-05	-2.65e-05
3363	80	0.16	-0.56	-1.08	0.0	2.81e-05	-1.16e-05
3363	88	0.16	-0.85	-1.01	0.0	1.17e-05	-1.79e-05
3363	98	0.12	-0.08	-0.85	0.0	3.64e-05	-2.11e-06
3363	105	0.12	-0.23	-0.84	0.0	2.91e-05	-5.28e-06
3363	107	0.11	-0.08	-0.81	0.0	3.45e-05	-2.06e-06
3363	108	5.48	6.79	9.22e-03	0.0	1.19e-03	-4.02e-04
3363	139	1.37	-8.81	-1.90	0.0	2.89e-04	2.91e-04
3363	140	6.15	7.66	0.11	0.0	1.33e-03	-4.52e-04
3363	171	1.53	-9.92	-2.04	0.0	3.21e-04	3.30e-04
3363	172	5.90	7.54	0.11	0.0	1.28e-03	-4.51e-04
3363	203	1.53	-9.93	-2.04	0.0	3.20e-04	3.37e-04
3363	204	6.77	8.80	0.26	0.0	1.47e-03	-5.29e-04
3363	235	1.75	-11.66	-2.25	0.0	3.64e-04	4.05e-04
3364	28	0.25	-0.89	-1.56	0.0	3.17e-05	-1.71e-05
3364	44	0.24	-1.35	-1.46	0.0	0.0	-2.22e-05
3364	80	0.18	-0.60	-1.09	0.0	2.32e-05	-1.20e-05
3364	88	0.17	-0.91	-1.03	0.0	2.43e-06	-1.54e-05
3364	98	0.14	-0.09	-0.86	0.0	3.79e-05	-6.09e-06
3364	105	0.13	-0.25	-0.85	0.0	2.85e-05	-7.85e-06
3364	107	0.13	-0.09	-0.83	0.0	3.59e-05	-5.97e-06
3364	108	6.06	7.13	-1.51e-03	0.0	1.17e-03	-4.13e-04
3364	139	1.51	-9.39	-1.92	0.0	2.84e-04	3.08e-04
3364	140	6.80	8.04	0.10	0.0	1.31e-03	-4.64e-04
3364	171	1.69	-10.57	-2.06	0.0	3.16e-04	3.49e-04
3364	172	6.53	7.91	0.10	0.0	1.26e-03	-4.60e-04
3364	203	1.69	-10.57	-2.06	0.0	3.15e-04	3.54e-04
3364	204	7.49	9.23	0.25	0.0	1.45e-03	-5.36e-04
3364	235	1.93	-12.41	-2.27	0.0	3.57e-04	4.25e-04
3365	4	0.27	0.56	-1.39	3.11e-04	-1.69e-05	0.0
3365	28	0.26	-0.96	-1.61	4.21e-04	-1.61e-05	-2.37e-06
3365	44	0.23	-1.44	-1.50	4.19e-04	-2.01e-05	-2.37e-06
3365	68	0.19	0.37	-0.99	2.24e-04	-1.56e-05	0.0
3365	80	0.19	-0.64	-1.13	2.97e-04	-1.51e-05	-1.59e-06

3365	88	0.16	-0.97	-1.06	2.96e-04	-1.78e-05	-1.59e-06
3365	98	0.16	-0.11	-0.89	2.25e-04	-2.11e-05	0.0
3365	105	0.15	-0.27	-0.88	2.29e-04	-2.20e-05	0.0
3365	107	0.15	-0.10	-0.86	2.16e-04	-2.21e-05	0.0
3365	108	6.64	7.45	-0.03	-2.52e-04	7.94e-04	-4.27e-04
3365	139	1.65	-9.94	-1.95	8.71e-04	1.64e-04	3.35e-04
3365	140	7.45	8.40	0.08	-3.11e-04	8.95e-04	-4.81e-04
3365	171	1.84	-11.19	-2.09	9.54e-04	1.88e-04	3.78e-04
3365	172	7.15	8.26	0.07	-3.05e-04	8.51e-04	-4.75e-04
3365	203	1.84	-11.18	-2.09	9.52e-04	1.90e-04	3.83e-04
3365	204	8.21	9.64	0.23	-3.94e-04	9.79e-04	-5.54e-04
3365	235	2.11	-13.12	-2.31	1.08e-03	2.24e-04	4.57e-04
3366	28	0.22	-0.83	-1.85	0.0	3.58e-05	-5.05e-05
3366	44	0.21	-1.26	-1.75	0.0	1.69e-05	-7.86e-05
3366	80	0.15	-0.56	-1.30	0.0	2.50e-05	-3.43e-05
3366	88	0.15	-0.85	-1.23	0.0	1.24e-05	-5.31e-05
3366	98	0.11	-0.08	-1.02	0.0	2.88e-05	-5.82e-06
3366	105	0.11	-0.23	-1.01	0.0	2.34e-05	-1.52e-05
3366	107	0.11	-0.08	-0.98	0.0	2.70e-05	-5.74e-06
3366	108	5.40	6.79	0.15	0.0	1.29e-03	-3.92e-04
3366	139	1.38	-8.81	-2.51	0.0	3.16e-04	2.81e-04
3366	140	6.06	7.66	0.29	0.0	1.44e-03	-4.41e-04
3366	171	1.54	-9.92	-2.70	0.0	3.52e-04	3.19e-04
3366	172	5.80	7.54	0.28	0.0	1.38e-03	-4.39e-04
3366	203	1.55	-9.93	-2.70	0.0	3.53e-04	3.25e-04
3366	204	6.64	8.80	0.50	0.0	1.59e-03	-5.14e-04
3366	235	1.78	-11.66	-3.00	0.0	4.03e-04	3.91e-04
3367	28	0.24	-0.89	-1.86	0.0	4.28e-05	-4.34e-05
3367	44	0.22	-1.36	-1.76	0.0	1.89e-05	-5.84e-05
3367	80	0.17	-0.60	-1.31	0.0	3.08e-05	-3.05e-05
3367	88	0.15	-0.91	-1.24	0.0	1.49e-05	-4.05e-05
3367	98	0.13	-0.09	-1.03	0.0	3.85e-05	-1.39e-05
3367	105	0.13	-0.25	-1.02	0.0	3.15e-05	-1.90e-05
3367	107	0.12	-0.09	-0.98	0.0	3.66e-05	-1.37e-05
3367	108	6.02	7.13	0.15	0.0	1.22e-03	-4.07e-04
3367	139	1.53	-9.39	-2.51	0.0	3.06e-04	3.06e-04
3367	140	6.76	8.04	0.29	0.0	1.36e-03	-4.56e-04
3367	171	1.71	-10.57	-2.70	0.0	3.41e-04	3.47e-04
3367	172	6.46	7.91	0.28	0.0	1.31e-03	-4.48e-04
3367	203	1.72	-10.56	-2.70	0.0	3.41e-04	3.48e-04
3367	204	7.40	9.23	0.49	0.0	1.50e-03	-5.20e-04
3367	235	1.98	-12.41	-3.00	0.0	3.88e-04	4.17e-04
3368	4	0.27	0.56	-1.59	2.93e-04	-5.41e-05	0.0
3368	28	0.26	-0.96	-1.88	4.12e-04	-5.24e-05	-1.82e-06
3368	44	0.23	-1.44	-1.77	4.15e-04	-5.41e-05	-1.96e-06
3368	68	0.19	0.36	-1.13	2.11e-04	-4.31e-05	0.0
3368	80	0.19	-0.65	-1.32	2.91e-04	-4.20e-05	-1.17e-06
3368	88	0.16	-0.97	-1.25	2.93e-04	-4.32e-05	-1.27e-06
3368	98	0.15	-0.11	-1.04	2.18e-04	-4.68e-05	0.0
3368	105	0.15	-0.27	-1.03	2.23e-04	-4.71e-05	0.0
3368	107	0.15	-0.10	-0.99	2.10e-04	-4.73e-05	0.0
3368	108	6.60	7.45	0.13	-2.96e-04	8.33e-04	-4.27e-04
3368	139	1.69	-9.94	-2.52	9.19e-04	1.60e-04	3.35e-04
3368	140	7.41	8.40	0.28	-3.60e-04	9.43e-04	-4.80e-04
3368	171	1.88	-11.18	-2.71	1.01e-03	1.87e-04	3.78e-04
3368	172	7.09	8.26	0.26	-3.54e-04	8.93e-04	-4.74e-04
3368	203	1.89	-11.18	-2.71	1.01e-03	1.89e-04	3.83e-04
3368	204	8.12	9.64	0.48	-4.49e-04	1.03e-03	-5.54e-04
3368	235	2.17	-13.12	-3.01	1.15e-03	2.28e-04	4.57e-04
3369	4	0.21	0.53	-1.72	-2.08e-05	3.21e-05	1.68e-04
3369	28	0.18	-0.83	-2.09	1.32e-04	3.66e-05	-8.90e-05
3369	44	0.15	-1.27	-1.99	1.80e-04	3.14e-05	-1.46e-04
3369	68	0.15	0.35	-1.23	-1.21e-05	2.11e-05	1.12e-04
3369	80	0.13	-0.56	-1.47	9.00e-05	2.41e-05	-5.96e-05
3369	88	0.11	-0.85	-1.41	1.22e-04	2.06e-05	-9.76e-05
3369	98	0.11	-0.08	-1.15	2.98e-05	1.59e-05	-2.69e-06
3369	105	0.10	-0.23	-1.14	4.63e-05	1.50e-05	-2.17e-05
3369	107	0.10	-0.08	-1.10	2.84e-05	1.43e-05	-2.67e-06
3369	108	5.34	6.79	0.38	-7.07e-04	1.42e-03	-3.86e-04
3369	139	1.38	-8.81	-3.09	1.17e-03	3.53e-04	2.83e-04
3369	140	5.99	7.66	0.56	-7.99e-04	1.60e-03	-4.34e-04
3369	171	1.54	-9.92	-3.34	1.31e-03	3.96e-04	3.20e-04
3369	172	5.70	7.54	0.55	-7.72e-04	1.53e-03	-4.34e-04
3369	203	1.55	-9.93	-3.34	1.30e-03	3.98e-04	3.27e-04
3369	204	6.52	8.80	0.83	-8.97e-04	1.75e-03	-5.09e-04

3369	235	1.79	-11.66	-3.73	1.52e-03	4.58e-04	3.91e-04
3370	4	0.21	0.54	-1.72	-1.69e-05	6.88e-05	7.86e-05
3370	28	0.20	-0.89	-2.09	1.28e-04	7.40e-05	-7.05e-05
3370	44	0.17	-1.36	-1.99	1.73e-04	6.74e-05	-1.03e-04
3370	68	0.15	0.36	-1.23	-9.56e-06	4.86e-05	5.07e-05
3370	80	0.14	-0.60	-1.47	8.67e-05	5.21e-05	-4.87e-05
3370	88	0.12	-0.91	-1.41	1.17e-04	4.77e-05	-7.01e-05
3370	98	0.11	-0.09	-1.15	2.88e-05	4.26e-05	-1.49e-05
3370	105	0.11	-0.25	-1.14	4.46e-05	4.14e-05	-2.57e-05
3370	107	0.11	-0.09	-1.10	2.74e-05	4.06e-05	-1.47e-05
3370	108	6.05	7.13	0.36	-6.84e-04	1.25e-03	-4.03e-04
3370	139	1.56	-9.39	-3.08	1.13e-03	3.33e-04	2.97e-04
3370	140	6.80	8.04	0.55	-7.73e-04	1.40e-03	-4.52e-04
3370	171	1.75	-10.57	-3.33	1.27e-03	3.71e-04	3.37e-04
3370	172	6.48	7.91	0.53	-7.47e-04	1.35e-03	-4.45e-04
3370	203	1.76	-10.56	-3.33	1.26e-03	3.72e-04	3.39e-04
3370	204	7.41	9.23	0.81	-8.68e-04	1.54e-03	-5.16e-04
3370	235	2.03	-12.41	-3.72	1.48e-03	4.24e-04	4.07e-04
3371	4	0.27	0.56	-1.73	2.74e-04	-7.92e-05	2.44e-06
3371	28	0.26	-0.96	-2.09	4.00e-04	-7.69e-05	-2.26e-06
3371	44	0.23	-1.44	-1.99	4.06e-04	-7.70e-05	-3.20e-06
3371	68	0.19	0.36	-1.23	1.98e-04	-6.17e-05	1.66e-06
3371	80	0.18	-0.65	-1.47	2.82e-04	-6.02e-05	-1.47e-06
3371	88	0.16	-0.97	-1.41	2.87e-04	-6.02e-05	-2.10e-06
3371	98	0.15	-0.11	-1.15	2.10e-04	-6.41e-05	0.0
3371	105	0.15	-0.27	-1.14	2.16e-04	-6.40e-05	0.0
3371	107	0.15	-0.10	-1.10	2.02e-04	-6.43e-05	0.0
3371	108	6.58	7.45	0.35	-3.17e-04	8.61e-04	-4.22e-04
3371	139	1.72	-9.94	-3.07	9.29e-04	1.58e-04	3.33e-04
3371	140	7.38	8.40	0.53	-3.83e-04	9.76e-04	-4.75e-04
3371	171	1.92	-11.18	-3.32	1.02e-03	1.86e-04	3.76e-04
3371	172	7.04	8.26	0.51	-3.77e-04	9.23e-04	-4.69e-04
3371	203	1.93	-11.18	-3.31	1.02e-03	1.89e-04	3.80e-04
3371	204	8.05	9.64	0.79	-4.74e-04	1.07e-03	-5.47e-04
3371	235	2.22	-13.12	-3.70	1.16e-03	2.31e-04	4.53e-04
3372	18	0.09	0.99	-1.51	-3.27e-04	0.0	3.12e-04
3372	19	0.05	1.00	-0.54	-3.59e-04	0.0	3.06e-04
3372	28	0.07	-0.57	-2.23	2.16e-04	0.0	-7.78e-05
3372	72	0.05	0.67	-0.68	-2.32e-04	0.0	2.07e-04
3372	75	0.06	0.66	-1.10	-2.16e-04	0.0	2.09e-04
3372	80	0.05	-0.38	-1.57	1.46e-04	0.0	-5.11e-05
3372	98	0.05	-3.94e-03	-1.24	3.29e-05	0.0	8.75e-06
3372	102	0.04	0.13	-0.85	-3.06e-05	0.0	4.71e-05
3372	103	0.05	0.13	-1.15	-1.93e-05	0.0	4.85e-05
3372	107	0.04	-3.18e-03	-1.19	3.10e-05	0.0	8.52e-06
3372	108	2.82	5.15	0.17	3.77e-04	0.0	-3.16e-04
3372	139	0.74	-6.30	-3.29	1.29e-03	0.0	-2.86e-05
3372	140	3.17	5.80	0.34	4.21e-04	0.0	-3.58e-04
3372	171	0.83	-7.10	-3.55	1.45e-03	0.0	-3.28e-05
3372	172	3.00	5.73	0.30	3.98e-04	0.0	-3.59e-04
3372	203	0.84	-7.11	-3.54	1.44e-03	0.0	-2.88e-05
3372	204	3.42	6.69	0.54	4.50e-04	0.0	-4.24e-04
3372	235	0.97	-8.37	-3.94	1.67e-03	0.0	-3.15e-05
3373	18	8.30e-03	0.76	-1.52	3.56e-04	2.16e-04	-6.33e-06
3373	28	-0.01	-0.44	-2.24	5.96e-04	2.18e-04	-2.07e-05
3373	41	-0.02	-0.75	-1.51	4.38e-04	1.76e-04	-1.87e-05
3373	75	4.68e-03	0.51	-1.10	2.62e-04	1.61e-04	-5.12e-06
3373	80	-8.79e-03	-0.29	-1.58	4.22e-04	1.62e-04	-1.47e-05
3373	85	-0.01	-0.50	-1.09	3.16e-04	1.34e-04	-1.33e-05
3373	98	-5.64e-03	0.01	-1.25	3.23e-04	1.52e-04	-1.05e-05
3373	103	-3.71e-03	0.11	-1.15	2.96e-04	1.51e-04	-9.04e-06
3373	104	-7.42e-03	-0.09	-0.93	2.54e-04	1.36e-04	-9.30e-06
3373	106	-6.20e-03	0.01	-0.89	2.38e-04	1.37e-04	-8.29e-06
3373	107	-5.72e-03	0.01	-1.19	3.11e-04	1.50e-04	-1.02e-05
3373	111	-2.61	-4.77	-2.56	8.59e-04	-2.50e-04	2.77e-04
3373	136	-0.66	5.64	0.90	-4.91e-04	3.72e-04	-2.32e-04
3373	139	0.65	-5.62	-3.29	1.11e-03	-7.24e-05	2.12e-04
3373	143	-2.93	-5.37	-2.73	9.27e-04	-3.01e-04	3.13e-04
3373	168	-0.74	6.36	1.17	-5.93e-04	3.99e-04	-2.61e-04
3373	171	0.73	-6.34	-3.56	1.21e-03	-9.99e-05	2.41e-04
3373	175	-2.77	-5.31	-2.69	9.19e-04	-2.88e-04	3.09e-04
3373	200	-0.76	6.38	1.15	-5.89e-04	3.92e-04	-2.64e-04
3373	203	0.74	-6.36	-3.54	1.21e-03	-9.21e-05	2.44e-04
3373	207	-3.16	-6.21	-2.93	1.02e-03	-3.58e-04	3.64e-04
3373	232	-0.88	7.51	1.56	-7.45e-04	4.31e-04	-3.14e-04

3373	235	0.87	-7.49	-3.95	1.37e-03	-1.32e-04	2.93e-04
3374	4	0.17	0.66	-1.86	-1.03e-04	0.0	3.30e-04
3374	19	0.10	1.17	-0.54	-2.54e-04	0.0	5.16e-04
3374	28	0.15	-0.67	-2.23	1.88e-04	0.0	-1.22e-04
3374	68	0.12	0.44	-1.33	-6.71e-05	0.0	2.22e-04
3374	72	0.10	0.77	-0.68	-1.61e-04	0.0	3.50e-04
3374	80	0.11	-0.45	-1.57	1.27e-04	0.0	-7.92e-05
3374	98	0.10	-0.02	-1.24	3.50e-05	0.0	1.95e-05
3374	103	0.10	0.14	-1.15	-3.40e-06	0.0	8.57e-05
3374	105	0.09	-0.16	-1.23	6.14e-05	0.0	-1.46e-05
3374	107	0.09	-0.02	-1.19	3.32e-05	0.0	1.91e-05
3374	108	3.13	5.52	0.17	3.44e-04	0.0	-3.68e-04
3374	139	0.84	-6.95	-3.29	1.25e-03	0.0	-6.24e-05
3374	140	3.51	6.21	0.34	3.84e-04	0.0	-4.17e-04
3374	171	0.94	-7.83	-3.55	1.40e-03	0.0	-7.20e-05
3374	172	3.33	6.12	0.30	3.66e-04	0.0	-4.18e-04
3374	203	0.95	-7.84	-3.53	1.39e-03	0.0	-6.58e-05
3374	204	3.79	7.15	0.54	4.16e-04	0.0	-4.94e-04
3374	235	1.09	-9.22	-3.94	1.62e-03	0.0	-7.49e-05
3375	4	0.19	0.70	-1.86	-3.42e-05	0.0	3.47e-04
3375	19	0.11	1.27	-0.53	-1.40e-04	0.0	5.51e-04
3375	28	0.16	-0.76	-2.22	1.57e-04	0.0	-1.37e-04
3375	68	0.14	0.46	-1.33	-2.05e-05	0.0	2.33e-04
3375	72	0.10	0.84	-0.68	-8.36e-05	0.0	3.72e-04
3375	80	0.11	-0.51	-1.57	1.07e-04	0.0	-8.95e-05
3375	98	0.10	-0.04	-1.24	3.73e-05	0.0	1.66e-05
3375	103	0.11	0.13	-1.15	1.38e-05	0.0	8.79e-05
3375	105	0.10	-0.19	-1.23	5.64e-05	0.0	-1.97e-05
3375	107	0.10	-0.04	-1.19	3.56e-05	0.0	1.63e-05
3375	108	3.85	5.88	0.17	-7.05e-04	0.0	-3.87e-04
3375	139	1.02	-7.59	-3.28	1.19e-03	0.0	-6.29e-05
3375	140	4.32	6.62	0.34	-7.97e-04	0.0	-4.38e-04
3375	171	1.14	-8.55	-3.54	1.34e-03	0.0	-7.21e-05
3375	172	4.11	6.52	0.30	-7.72e-04	0.0	-4.38e-04
3375	203	1.15	-8.55	-3.53	1.33e-03	0.0	-6.59e-05
3375	204	4.68	7.61	0.54	-8.99e-04	0.0	-5.18e-04
3375	235	1.32	-10.04	-3.93	1.55e-03	0.0	-7.44e-05
3376	4	0.20	0.70	-1.86	2.34e-05	0.0	3.12e-04
3376	19	0.11	1.31	-0.53	-4.17e-05	0.0	5.04e-04
3376	28	0.17	-0.84	-2.22	1.27e-04	0.0	-1.34e-04
3376	68	0.14	0.46	-1.33	1.81e-05	0.0	2.09e-04
3376	80	0.12	-0.56	-1.57	8.74e-05	0.0	-8.86e-05
3376	88	0.10	-0.88	-1.50	1.11e-04	0.0	-1.55e-04
3376	98	0.11	-0.06	-1.24	3.73e-05	0.0	9.66e-06
3376	103	0.11	0.12	-1.15	2.68e-05	0.0	7.56e-05
3376	105	0.10	-0.22	-1.23	4.99e-05	0.0	-2.37e-05
3376	107	0.10	-0.06	-1.19	3.57e-05	0.0	9.46e-06
3376	108	4.60	6.23	0.17	-6.77e-04	0.0	-3.86e-04
3376	139	1.20	-8.19	-3.28	1.14e-03	0.0	-4.41e-05
3376	140	5.17	7.03	0.34	-7.67e-04	0.0	-4.36e-04
3376	171	1.34	-9.23	-3.54	1.28e-03	0.0	-5.03e-05
3376	172	4.92	6.91	0.30	-7.46e-04	0.0	-4.37e-04
3376	203	1.35	-9.22	-3.53	1.27e-03	0.0	-4.49e-05
3376	204	5.62	8.07	0.54	-8.71e-04	0.0	-5.16e-04
3376	235	1.56	-10.83	-3.93	1.49e-03	0.0	-4.94e-05
3377	15	0.07	1.18	-0.99	-6.03e-04	0.0	3.36e-04
3377	18	0.09	1.17	-1.63	-5.83e-04	0.0	3.38e-04
3377	28	0.07	-0.62	-2.35	2.73e-04	0.0	-8.97e-05
3377	72	0.05	0.79	-0.76	-4.01e-04	0.0	2.24e-04
3377	75	0.06	0.78	-1.18	-3.88e-04	0.0	2.26e-04
3377	80	0.05	-0.41	-1.66	1.82e-04	0.0	-5.92e-05
3377	98	0.05	-6.18e-04	-1.33	2.27e-05	0.0	6.66e-06
3377	102	0.04	0.16	-0.92	-7.12e-05	0.0	4.92e-05
3377	103	0.05	0.16	-1.23	-6.15e-05	0.0	5.03e-05
3377	106	0.04	4.11e-03	-0.96	1.13e-05	0.0	5.39e-06
3377	107	0.05	5.85e-05	-1.27	2.10e-05	0.0	6.48e-06
3377	108	2.82	4.97	-1.77	4.15e-04	0.0	-3.07e-04
3377	136	-0.65	6.26	0.90	-9.61e-04	0.0	4.17e-05
3377	139	0.74	-6.26	-3.45	1.00e-03	0.0	-2.87e-05
3377	140	3.17	5.60	-1.84	4.65e-04	0.0	-3.47e-04
3377	168	-0.74	7.05	1.18	-1.08e-03	0.0	4.57e-05
3377	171	0.83	-7.05	-3.72	1.13e-03	0.0	-3.27e-05
3377	172	3.00	5.52	-1.80	4.33e-04	0.0	-3.48e-04
3377	200	-0.75	7.06	1.15	-1.08e-03	0.0	4.15e-05
3377	203	0.84	-7.06	-3.70	1.12e-03	0.0	-2.86e-05

3377	204	3.42	6.45	-1.88	4.87e-04	0.0	-4.10e-04
3377	232	-0.88	8.30	1.56	-1.27e-03	0.0	4.39e-05
3377	235	0.97	-8.30	-4.11	1.31e-03	0.0	-3.10e-05
3378	18	7.96e-03	0.76	-1.64	3.80e-04	2.59e-04	1.67e-05
3378	28	-0.01	-0.45	-2.36	6.21e-04	2.64e-04	-1.80e-05
3378	41	-0.02	-0.76	-1.61	4.53e-04	2.04e-04	-2.22e-05
3378	75	4.45e-03	0.51	-1.19	2.79e-04	1.92e-04	1.06e-05
3378	80	-9.09e-03	-0.30	-1.67	4.40e-04	1.95e-04	-1.25e-05
3378	85	-0.01	-0.50	-1.17	3.28e-04	1.55e-04	-1.53e-05
3378	98	-5.86e-03	8.59e-03	-1.33	3.39e-04	1.82e-04	-5.56e-06
3378	103	-3.90e-03	0.11	-1.24	3.11e-04	1.79e-04	-2.15e-06
3378	104	-7.49e-03	-0.09	-1.00	2.66e-04	1.58e-04	-6.71e-06
3378	106	-6.27e-03	7.64e-03	-0.96	2.51e-04	1.59e-04	-4.55e-06
3378	107	-5.91e-03	8.45e-03	-1.28	3.26e-04	1.79e-04	-5.41e-06
3378	111	-2.61	-4.59	-0.79	8.55e-04	9.11e-06	2.76e-04
3378	136	-0.66	5.56	0.89	-4.68e-04	2.66e-04	-2.21e-04
3378	139	0.65	-5.54	-3.45	1.12e-03	9.18e-05	2.10e-04
3378	143	-2.93	-5.17	-0.72	9.21e-04	-1.24e-05	3.11e-04
3378	168	-0.74	6.27	1.16	-5.68e-04	2.77e-04	-2.49e-04
3378	171	0.73	-6.25	-3.72	1.22e-03	8.05e-05	2.38e-04
3378	175	-2.77	-5.12	-0.76	9.13e-04	-1.20e-05	3.08e-04
3378	200	-0.76	6.28	1.14	-5.64e-04	2.79e-04	-2.52e-04
3378	203	0.74	-6.26	-3.70	1.22e-03	7.87e-05	2.41e-04
3378	207	-3.16	-5.98	-0.68	1.01e-03	-4.53e-05	3.62e-04
3378	232	-0.88	7.39	1.55	-7.18e-04	2.98e-04	-3.00e-04
3378	235	0.87	-7.38	-4.10	1.37e-03	5.93e-05	2.89e-04
3379	4	0.18	0.88	-1.98	-1.83e-04	0.0	3.82e-04
3379	19	0.11	1.51	-0.60	-3.80e-04	0.0	6.06e-04
3379	28	0.16	-0.76	-2.34	2.18e-04	0.0	-1.52e-04
3379	68	0.13	0.59	-1.41	-1.21e-04	0.0	2.57e-04
3379	72	0.10	1.01	-0.75	-2.46e-04	0.0	4.09e-04
3379	80	0.11	-0.51	-1.66	1.47e-04	0.0	-9.95e-05
3379	98	0.10	-0.01	-1.32	3.07e-05	0.0	1.78e-05
3379	102	0.09	0.20	-0.91	-3.42e-05	0.0	9.38e-05
3379	103	0.10	0.19	-1.23	-2.39e-05	0.0	9.63e-05
3379	107	0.10	-0.01	-1.27	2.90e-05	0.0	1.73e-05
3379	108	3.10	5.34	-1.78	3.52e-04	0.0	-3.50e-04
3379	139	0.84	-6.95	-3.46	1.28e-03	0.0	-6.54e-05
3379	140	3.48	6.02	-1.84	3.93e-04	0.0	-3.97e-04
3379	171	0.94	-7.84	-3.73	1.44e-03	0.0	-7.50e-05
3379	172	3.30	5.92	-1.81	3.70e-04	0.0	-3.98e-04
3379	203	0.95	-7.83	-3.70	1.42e-03	0.0	-6.86e-05
3379	204	3.76	6.90	-1.88	4.18e-04	0.0	-4.71e-04
3379	235	1.09	-9.20	-4.12	1.65e-03	0.0	-7.78e-05
3380	4	0.19	0.91	-1.96	-2.88e-05	0.0	3.72e-04
3380	19	0.11	1.60	-0.59	-1.34e-04	0.0	5.92e-04
3380	28	0.16	-0.85	-2.32	1.59e-04	0.0	-1.50e-04
3380	68	0.14	0.60	-1.40	-1.67e-05	0.0	2.49e-04
3380	72	0.10	1.06	-0.74	-7.95e-05	0.0	3.99e-04
3380	80	0.11	-0.57	-1.64	1.08e-04	0.0	-9.83e-05
3380	98	0.10	-0.03	-1.30	3.93e-05	0.0	1.61e-05
3380	103	0.11	0.19	-1.21	1.63e-05	0.0	9.29e-05
3380	105	0.10	-0.20	-1.29	5.80e-05	0.0	-2.30e-05
3380	107	0.10	-0.03	-1.25	3.75e-05	0.0	1.58e-05
3380	108	3.86	5.69	-1.79	-6.75e-04	0.0	-3.79e-04
3380	139	1.02	-7.58	-3.47	1.17e-03	0.0	-6.46e-05
3380	140	4.33	6.41	-1.86	-7.64e-04	0.0	-4.29e-04
3380	171	1.14	-8.54	-3.75	1.31e-03	0.0	-7.39e-05
3380	172	4.11	6.30	-1.82	-7.40e-04	0.0	-4.30e-04
3380	203	1.15	-8.53	-3.72	1.30e-03	0.0	-6.76e-05
3380	204	4.69	7.35	-1.90	-8.62e-04	0.0	-5.08e-04
3380	235	1.32	-10.02	-4.13	1.52e-03	0.0	-7.62e-05
3381	4	0.20	0.88	-1.95	7.82e-05	0.0	3.33e-04
3381	19	0.11	1.61	-0.58	4.11e-05	0.0	5.38e-04
3381	28	0.17	-0.92	-2.32	1.11e-04	0.0	-1.44e-04
3381	68	0.14	0.59	-1.39	5.51e-05	0.0	2.23e-04
3381	72	0.10	1.06	-0.73	3.85e-05	0.0	3.62e-04
3381	80	0.12	-0.62	-1.64	7.68e-05	0.0	-9.51e-05
3381	98	0.11	-0.06	-1.30	4.22e-05	0.0	9.92e-06
3381	103	0.11	0.17	-1.21	4.21e-05	0.0	8.04e-05
3381	105	0.10	-0.23	-1.29	4.94e-05	0.0	-2.57e-05
3381	107	0.10	-0.05	-1.25	4.04e-05	0.0	9.71e-06
3381	108	4.60	6.03	-1.80	-6.37e-04	0.0	-3.84e-04
3381	139	1.20	-8.17	-3.48	1.09e-03	0.0	-4.59e-05
3381	140	5.16	6.80	-1.87	-7.21e-04	0.0	-4.34e-04

3381	171	1.34	-9.20	-3.76	1.22e-03	0.0	-5.23e-05
3381	172	4.92	6.68	-1.83	-7.07e-04	0.0	-4.36e-04
3381	203	1.35	-9.18	-3.73	1.22e-03	0.0	-4.68e-05
3381	204	5.62	7.78	-1.91	-8.29e-04	0.0	-5.14e-04
3381	235	1.56	-10.78	-4.15	1.42e-03	0.0	-5.16e-05
3382	4	0.21	0.67	-1.86	6.63e-05	0.0	2.39e-04
3382	28	0.18	-0.90	-2.22	1.00e-04	0.0	-1.14e-04
3382	44	0.15	-1.38	-2.12	1.20e-04	0.0	-1.92e-04
3382	68	0.14	0.44	-1.33	4.65e-05	0.0	1.60e-04
3382	80	0.13	-0.60	-1.57	6.90e-05	0.0	-7.54e-05
3382	88	0.11	-0.92	-1.50	8.26e-05	0.0	-1.28e-04
3382	98	0.11	-0.08	-1.24	3.49e-05	0.0	2.45e-06
3382	105	0.10	-0.24	-1.23	4.24e-05	0.0	-2.37e-05
3382	107	0.10	-0.08	-1.19	3.33e-05	0.0	2.39e-06
3382	108	5.33	6.56	0.17	-6.55e-04	0.0	-3.86e-04
3382	139	1.38	-8.75	-3.28	1.10e-03	0.0	-2.64e-05
3382	140	5.99	7.40	0.34	-7.41e-04	0.0	-4.35e-04
3382	171	1.54	-9.85	-3.54	1.24e-03	0.0	-2.97e-05
3382	172	5.70	7.28	0.30	-7.23e-04	0.0	-4.36e-04
3382	203	1.55	-9.84	-3.52	1.23e-03	0.0	-2.57e-05
3382	204	6.52	8.49	0.55	-8.45e-04	0.0	-5.13e-04
3382	235	1.79	-11.56	-3.93	1.43e-03	0.0	-2.70e-05
3383	4	0.21	0.63	-1.86	9.93e-05	0.0	1.35e-04
3383	28	0.19	-0.94	-2.22	7.50e-05	0.0	-7.35e-05
3383	44	0.17	-1.43	-2.12	8.27e-05	0.0	-1.20e-04
3383	68	0.15	0.41	-1.33	6.81e-05	0.0	8.97e-05
3383	80	0.14	-0.63	-1.57	5.19e-05	0.0	-4.93e-05
3383	88	0.12	-0.96	-1.50	5.71e-05	0.0	-8.01e-05
3383	98	0.11	-0.10	-1.24	3.10e-05	0.0	-2.86e-06
3383	105	0.11	-0.26	-1.23	3.43e-05	0.0	-1.83e-05
3383	107	0.11	-0.09	-1.19	2.96e-05	0.0	-2.82e-06
3383	108	6.06	6.88	0.17	-6.37e-04	0.0	-3.99e-04
3383	139	1.56	-9.29	-3.28	1.07e-03	0.0	3.00e-04
3383	140	6.80	7.76	0.34	-7.21e-04	0.0	-4.49e-04
3383	171	1.75	-10.45	-3.54	1.20e-03	0.0	3.39e-04
3383	172	6.48	7.63	0.30	-7.03e-04	0.0	-4.46e-04
3383	203	1.76	-10.44	-3.53	1.20e-03	0.0	3.45e-04
3383	204	7.42	8.91	0.55	-8.20e-04	0.0	-5.22e-04
3383	235	2.03	-12.26	-3.93	1.40e-03	0.0	4.13e-04
3384	4	0.27	0.56	-1.86	-5.61e-05	2.44e-04	1.83e-06
3384	28	0.26	-0.96	-2.23	5.07e-04	2.50e-04	-5.10e-06
3384	44	0.23	-1.45	-2.12	6.14e-04	2.35e-04	-6.81e-06
3384	68	0.19	0.37	-1.33	-2.35e-05	1.80e-04	1.07e-06
3384	80	0.18	-0.65	-1.57	3.52e-04	1.83e-04	-3.56e-06
3384	88	0.16	-0.97	-1.50	4.23e-04	1.74e-04	-4.69e-06
3384	98	0.15	-0.11	-1.24	1.86e-04	1.68e-04	-1.54e-06
3384	105	0.15	-0.27	-1.23	2.25e-04	1.64e-04	-2.13e-06
3384	107	0.15	-0.10	-1.19	1.79e-04	1.64e-04	-1.51e-06
3384	108	6.58	7.19	0.17	-3.60e-04	6.28e-04	-4.17e-04
3384	139	1.72	-9.81	-3.28	9.82e-04	2.78e-04	3.29e-04
3384	140	7.38	8.11	0.34	-4.27e-04	6.86e-04	-4.70e-04
3384	171	1.92	-11.04	-3.54	1.08e-03	2.92e-04	3.72e-04
3384	172	7.04	7.97	0.30	-4.19e-04	6.68e-04	-4.62e-04
3384	203	1.93	-11.03	-3.53	1.08e-03	2.91e-04	3.74e-04
3384	204	8.05	9.30	0.55	-5.19e-04	7.46e-04	-5.39e-04
3384	235	2.22	-12.94	-3.93	1.23e-03	3.11e-04	4.46e-04
3385	4	0.21	0.82	-1.95	1.59e-04	0.0	2.58e-04
3385	19	0.10	1.54	-0.58	1.80e-04	0.0	4.23e-04
3385	28	0.18	-0.96	-2.31	6.44e-05	0.0	-1.21e-04
3385	68	0.14	0.54	-1.39	1.09e-04	0.0	1.72e-04
3385	72	0.09	1.01	-0.73	1.31e-04	0.0	2.83e-04
3385	80	0.13	-0.65	-1.64	4.57e-05	0.0	-8.02e-05
3385	98	0.11	-0.08	-1.30	3.95e-05	0.0	3.39e-06
3385	105	0.10	-0.26	-1.29	3.74e-05	0.0	-2.47e-05
3385	107	0.10	-0.07	-1.24	3.79e-05	0.0	3.31e-06
3385	108	5.33	6.34	-1.81	-6.15e-04	0.0	-3.87e-04
3385	139	1.38	-8.69	-3.49	1.04e-03	0.0	-2.74e-05
3385	140	5.98	7.15	-1.88	-6.97e-04	0.0	-4.36e-04
3385	171	1.54	-9.78	-3.77	1.17e-03	0.0	-3.09e-05
3385	172	5.70	7.02	-1.83	-6.86e-04	0.0	-4.37e-04
3385	203	1.55	-9.77	-3.74	1.16e-03	0.0	-2.68e-05
3385	204	6.51	8.19	-1.91	-8.06e-04	0.0	-5.15e-04
3385	235	1.79	-11.46	-4.16	1.36e-03	0.0	-2.83e-05
3386	4	0.20	0.71	-1.95	2.22e-04	0.0	1.50e-04
3386	28	0.19	-0.98	-2.32	2.16e-05	0.0	-7.71e-05

3386	44	0.16	-1.49	-2.21	-9.91e-06	0.0	-1.27e-04
3386	68	0.14	0.47	-1.39	1.50e-04	0.0	9.97e-05
3386	80	0.13	-0.66	-1.64	1.66e-05	0.0	-5.15e-05
3386	88	0.11	-1.00	-1.57	-4.37e-06	0.0	-8.51e-05
3386	98	0.11	-0.10	-1.30	3.43e-05	0.0	-1.05e-06
3386	105	0.10	-0.27	-1.29	2.45e-05	0.0	-1.79e-05
3386	107	0.10	-0.09	-1.25	3.28e-05	0.0	-1.04e-06
3386	108	6.07	6.64	-1.81	-6.01e-04	0.0	-3.99e-04
3386	139	1.56	-9.19	-3.49	1.01e-03	0.0	3.01e-04
3386	140	6.82	7.48	-1.88	-6.80e-04	0.0	-4.49e-04
3386	171	1.75	-10.35	-3.78	1.13e-03	0.0	3.40e-04
3386	172	6.50	7.36	-1.84	-6.70e-04	0.0	-4.47e-04
3386	203	1.76	-10.33	-3.74	1.13e-03	0.0	3.46e-04
3386	204	7.43	8.58	-1.91	-7.87e-04	0.0	-5.23e-04
3386	235	2.03	-12.12	-4.16	1.32e-03	0.0	4.14e-04
3387	4	0.27	0.56	-1.96	-3.86e-04	2.87e-04	0.0
3387	28	0.26	-0.96	-2.33	6.14e-04	2.87e-04	-5.71e-06
3387	44	0.23	-1.45	-2.22	8.22e-04	2.68e-04	-7.09e-06
3387	68	0.19	0.37	-1.40	-2.45e-04	2.11e-04	0.0
3387	80	0.18	-0.65	-1.65	4.21e-04	2.11e-04	-4.01e-06
3387	88	0.16	-0.97	-1.57	5.60e-04	1.98e-04	-4.93e-06
3387	98	0.15	-0.11	-1.31	1.61e-04	1.94e-04	-2.13e-06
3387	105	0.15	-0.28	-1.30	2.34e-04	1.90e-04	-2.62e-06
3387	107	0.15	-0.11	-1.26	1.55e-04	1.90e-04	-2.08e-06
3387	108	6.58	6.93	-1.81	-4.04e-04	3.83e-04	-4.18e-04
3387	139	1.72	-9.68	-3.50	1.04e-03	8.02e-05	3.29e-04
3387	140	7.38	7.82	-1.88	-4.75e-04	4.08e-04	-4.70e-04
3387	171	1.92	-10.90	-3.78	1.15e-03	6.63e-05	3.72e-04
3387	172	7.04	7.68	-1.84	-4.63e-04	4.06e-04	-4.63e-04
3387	203	1.93	-10.88	-3.74	1.14e-03	6.63e-05	3.74e-04
3387	204	8.05	8.97	-1.91	-5.65e-04	4.43e-04	-5.39e-04
3387	235	2.22	-12.76	-4.16	1.31e-03	4.39e-05	4.46e-04
3388	18	0.01	0.78	-2.35	4.80e-04	1.91e-04	-2.83e-06
3388	22	0.01	0.78	-1.82	3.61e-04	1.53e-04	-3.48e-06
3388	28	-6.65e-03	-0.46	-3.10	7.29e-04	2.04e-04	3.52e-06
3388	75	7.57e-03	0.52	-1.71	3.51e-04	1.38e-04	-1.75e-06
3388	80	-4.84e-03	-0.31	-2.21	5.17e-04	1.46e-04	2.49e-06
3388	85	-8.18e-03	-0.52	-1.57	3.79e-04	9.41e-05	1.01e-06
3388	98	-2.12e-03	6.73e-03	-1.83	4.07e-04	1.29e-04	2.30e-06
3388	103	-3.32e-04	0.11	-1.72	3.77e-04	1.25e-04	1.35e-06
3388	104	-3.81e-03	-0.10	-1.42	3.18e-04	9.69e-05	1.42e-06
3388	106	-2.72e-03	5.51e-03	-1.38	3.03e-04	9.77e-05	1.52e-06
3388	107	-2.21e-03	6.55e-03	-1.76	3.92e-04	1.24e-04	2.19e-06
3388	111	-2.61	-3.83	-2.97	8.40e-04	2.83e-04	2.93e-04
3388	127	-1.88	-4.80	-3.61	1.09e-03	2.35e-04	-2.42e-05
3388	136	-0.66	5.25	-7.46e-03	-3.69e-04	1.73e-04	-2.19e-04
3388	143	-2.93	-4.31	-3.13	8.96e-04	3.03e-04	3.29e-04
3388	159	-2.12	-5.40	-3.84	1.18e-03	2.48e-04	-2.81e-05
3388	168	-0.74	5.91	0.21	-4.64e-04	1.80e-04	-2.48e-04
3388	175	-2.77	-4.26	-3.12	8.88e-04	2.90e-04	3.27e-04
3388	191	-2.02	-5.29	-3.80	1.16e-03	2.41e-04	-3.06e-05
3388	200	-0.75	5.90	0.21	-4.59e-04	1.81e-04	-2.52e-04
3388	207	-3.16	-4.98	-3.35	9.70e-04	3.11e-04	3.82e-04
3388	227	-2.06	-6.23	-4.14	1.29e-03	2.53e-04	-2.66e-05
3388	232	-0.88	6.93	0.54	-6.03e-04	1.90e-04	-3.01e-04
3389	4	0.08	1.49	-2.76	-1.66e-03	0.0	1.62e-05
3389	19	0.05	2.52	-1.04	-2.84e-03	0.0	2.47e-05
3389	28	0.07	-1.04	-3.10	9.62e-04	0.0	-8.13e-06
3389	68	0.06	1.00	-1.98	-1.10e-03	0.0	1.07e-05
3389	72	0.04	1.68	-1.19	-1.89e-03	0.0	1.65e-05
3389	80	0.05	-0.69	-2.21	6.43e-04	0.0	-5.45e-06
3389	98	0.04	-0.01	-1.83	3.42e-05	0.0	0.0
3389	102	0.03	0.33	-1.34	-3.60e-04	0.0	3.37e-06
3389	103	0.04	0.33	-1.73	-3.50e-04	0.0	3.81e-06
3389	107	0.04	-0.01	-1.76	3.25e-05	0.0	0.0
3389	108	2.83	4.24	-0.54	2.55e-04	0.0	-3.24e-04
3389	127	-1.95	-5.41	-3.62	8.36e-04	0.0	-4.03e-05
3389	139	0.74	-5.99	-3.52	1.40e-03	0.0	2.57e-04
3389	140	3.17	4.77	-0.39	2.83e-04	0.0	-3.65e-04
3389	159	-2.20	-6.08	-3.85	9.35e-04	0.0	-4.59e-05
3389	171	0.83	-6.74	-3.74	1.57e-03	0.0	2.90e-04
3389	172	3.00	4.71	-0.40	2.72e-04	0.0	-3.60e-04
3389	191	-2.10	-5.95	-3.81	9.14e-04	0.0	-4.86e-05
3389	203	0.84	-6.73	-3.73	1.56e-03	0.0	2.92e-04
3389	204	3.42	5.50	-0.16	3.09e-04	0.0	-4.20e-04

3389	227	-2.14	-7.00	-4.15	1.45e-03	0.0	-4.52e-05
3389	235	0.97	-7.90	-4.07	1.82e-03	0.0	3.48e-04
3390	4	0.08	1.51	-2.81	-1.65e-03	0.0	-2.84e-06
3390	19	0.04	2.55	-1.06	-2.84e-03	0.0	-6.84e-06
3390	28	0.06	-1.05	-3.15	9.61e-04	0.0	1.24e-06
3390	68	0.06	1.01	-2.02	-1.10e-03	0.0	-1.92e-06
3390	72	0.04	1.69	-1.21	-1.88e-03	0.0	-4.51e-06
3390	80	0.05	-0.70	-2.25	6.43e-04	0.0	0.0
3390	98	0.04	-0.01	-1.86	3.50e-05	0.0	0.0
3390	102	0.03	0.33	-1.37	-3.58e-04	0.0	0.0
3390	103	0.04	0.33	-1.76	-3.48e-04	0.0	0.0
3390	107	0.04	-0.01	-1.79	3.33e-05	0.0	0.0
3390	108	2.82	4.13	-0.63	-7.37e-04	0.0	-3.25e-04
3390	127	-1.96	-5.39	-3.61	1.14e-03	0.0	-3.97e-05
3390	139	0.74	-5.94	-3.55	1.38e-03	0.0	2.58e-04
3390	140	3.17	4.65	-0.49	-8.34e-04	0.0	-3.66e-04
3390	159	-2.20	-6.06	-3.83	1.28e-03	0.0	-4.52e-05
3390	171	0.83	-6.69	-3.77	1.55e-03	0.0	2.91e-04
3390	172	3.00	4.60	-0.50	-8.08e-04	0.0	-3.61e-04
3390	191	-2.10	-5.93	-3.80	1.25e-03	0.0	-4.78e-05
3390	203	0.84	-6.67	-3.76	1.54e-03	0.0	2.93e-04
3390	204	3.42	5.37	-0.28	-9.41e-04	0.0	-4.21e-04
3390	227	-2.14	-6.98	-4.13	1.45e-03	0.0	-4.43e-05
3390	235	0.97	-7.83	-4.10	1.79e-03	0.0	3.49e-04
3391	18	0.01	0.79	-2.40	4.92e-04	1.58e-04	1.15e-05
3391	22	0.01	0.79	-1.86	3.71e-04	1.28e-04	1.08e-05
3391	28	-5.30e-03	-0.46	-3.15	7.42e-04	1.71e-04	0.0
3391	75	8.26e-03	0.53	-1.75	3.60e-04	1.13e-04	7.83e-06
3391	80	-3.84e-03	-0.31	-2.25	5.26e-04	1.21e-04	0.0
3391	98	-1.27e-03	7.64e-03	-1.86	4.15e-04	1.05e-04	2.52e-06
3391	103	4.74e-04	0.11	-1.76	3.85e-04	1.01e-04	3.43e-06
3391	104	-3.00e-03	-0.10	-1.44	3.25e-04	7.37e-05	0.0
3391	106	-1.94e-03	6.15e-03	-1.40	3.10e-04	7.43e-05	1.70e-06
3391	107	-1.37e-03	7.42e-03	-1.79	4.00e-04	1.00e-04	2.40e-06
3391	111	-2.61	-3.73	-2.95	8.38e-04	1.87e-04	2.89e-04
3391	127	-1.88	-4.78	-3.60	1.09e-03	8.39e-05	-2.58e-05
3391	136	-0.66	5.21	-0.04	-3.56e-04	1.92e-04	-2.17e-04
3391	143	-2.93	-4.20	-3.10	8.93e-04	1.98e-04	3.26e-04
3391	159	-2.11	-5.38	-3.83	1.18e-03	8.19e-05	-2.99e-05
3391	168	-0.74	5.87	0.18	-4.52e-04	2.04e-04	-2.45e-04
3391	175	-2.77	-4.16	-3.09	8.85e-04	1.92e-04	3.23e-04
3391	191	-2.02	-5.27	-3.80	1.16e-03	8.25e-05	-3.25e-05
3391	200	-0.75	5.86	0.17	-4.45e-04	2.01e-04	-2.49e-04
3391	207	-3.16	-4.86	-3.31	9.65e-04	2.04e-04	3.78e-04
3391	227	-2.06	-6.20	-4.13	1.30e-03	4.56e-06	-2.87e-05
3391	232	-0.88	6.88	0.51	-5.89e-04	2.18e-04	-2.98e-04
3392	4	0.16	2.36	-2.76	-1.13e-03	0.0	-4.12e-05
3392	19	0.08	3.99	-1.04	-1.96e-03	0.0	-6.73e-05
3392	28	0.15	-1.54	-3.10	6.97e-04	0.0	1.62e-05
3392	68	0.12	1.57	-1.99	-7.49e-04	0.0	-2.77e-05
3392	72	0.08	2.66	-1.19	-1.30e-03	0.0	-4.54e-05
3392	80	0.10	-1.03	-2.21	4.66e-04	0.0	1.06e-05
3392	98	0.09	-0.03	-1.83	3.45e-05	0.0	-1.45e-06
3392	102	0.07	0.52	-1.35	-2.41e-04	0.0	-1.04e-05
3392	107	0.09	-0.03	-1.77	3.28e-05	0.0	-1.48e-06
3392	108	3.00	4.62	-0.53	2.20e-04	0.0	-3.68e-04
3392	127	-1.99	-6.00	-3.64	7.91e-04	0.0	-5.14e-05
3392	139	0.81	-6.71	-3.51	1.29e-03	0.0	2.97e-04
3392	140	3.36	5.20	-0.37	2.44e-04	0.0	-4.15e-04
3392	159	-2.25	-6.74	-3.87	8.84e-04	0.0	-5.81e-05
3392	171	0.90	-7.56	-3.73	1.45e-03	0.0	3.36e-04
3392	172	3.19	5.13	-0.38	2.34e-04	0.0	-4.06e-04
3392	191	-2.14	-6.60	-3.84	8.65e-04	0.0	-6.07e-05
3392	203	0.92	-7.54	-3.72	1.44e-03	0.0	3.36e-04
3392	204	3.63	5.99	-0.14	2.65e-04	0.0	-4.72e-04
3392	223	-2.48	-7.64	-4.17	9.96e-04	0.0	-7.37e-05
3392	235	1.05	-8.84	-4.06	1.67e-03	0.0	3.99e-04
3393	4	0.16	2.33	-2.81	-1.12e-03	0.0	-1.34e-05
3393	19	0.08	3.96	-1.06	-1.95e-03	0.0	-2.11e-05
3393	28	0.14	-1.53	-3.15	6.96e-04	0.0	2.44e-06
3393	68	0.11	1.56	-2.02	-7.47e-04	0.0	-9.18e-06
3393	72	0.08	2.63	-1.21	-1.29e-03	0.0	-1.46e-05
3393	80	0.10	-1.02	-2.25	4.66e-04	0.0	1.41e-06
3393	98	0.09	-0.03	-1.86	3.50e-05	0.0	-1.39e-06
3393	102	0.07	0.51	-1.37	-2.40e-04	0.0	-4.18e-06

3393	107	0.08	-0.03	-1.79	3.33e-05	0.0	-1.42e-06
3393	108	3.00	4.50	-0.63	-6.74e-04	0.0	-3.66e-04
3393	127	-2.00	-5.97	-3.61	1.06e-03	0.0	-5.27e-05
3393	139	0.81	-6.65	-3.55	1.28e-03	0.0	2.95e-04
3393	140	3.36	5.07	-0.49	-7.62e-04	0.0	-4.12e-04
3393	159	-2.26	-6.71	-3.83	1.19e-03	0.0	-5.96e-05
3393	171	0.90	-7.48	-3.77	1.43e-03	0.0	3.33e-04
3393	172	3.19	5.00	-0.50	-7.39e-04	0.0	-4.04e-04
3393	191	-2.15	-6.57	-3.80	1.16e-03	0.0	-6.23e-05
3393	203	0.91	-7.46	-3.76	1.42e-03	0.0	3.33e-04
3393	204	3.63	5.83	-0.27	-8.60e-04	0.0	-4.69e-04
3393	227	-2.20	-7.72	-4.13	1.35e-03	0.0	-5.97e-05
3393	235	1.05	-8.75	-4.10	1.66e-03	0.0	3.96e-04
3394	4	0.19	2.76	-2.78	-3.58e-04	0.0	-2.34e-05
3394	19	0.09	4.72	-1.05	-6.77e-04	0.0	-3.61e-05
3394	28	0.17	-1.81	-3.12	3.13e-04	0.0	5.79e-06
3394	68	0.13	1.84	-2.00	-2.37e-04	0.0	-1.58e-05
3394	72	0.09	3.13	-1.20	-4.42e-04	0.0	-2.48e-05
3394	80	0.12	-1.21	-2.23	2.11e-04	0.0	3.59e-06
3394	98	0.11	-0.05	-1.84	3.49e-05	0.0	-2.15e-06
3394	102	0.08	0.60	-1.35	-7.01e-05	0.0	-6.65e-06
3394	107	0.10	-0.04	-1.78	3.32e-05	0.0	-2.15e-06
3394	108	3.77	4.95	-0.48	-5.94e-04	0.0	-3.85e-04
3394	127	-2.50	-6.52	-3.70	9.57e-04	0.0	-5.65e-05
3394	139	1.01	-7.34	-3.49	1.14e-03	0.0	3.10e-04
3394	140	4.23	5.57	-0.32	-6.72e-04	0.0	-4.33e-04
3394	159	-2.82	-7.33	-3.93	1.07e-03	0.0	-6.38e-05
3394	171	1.13	-8.26	-3.71	1.28e-03	0.0	3.51e-04
3394	172	4.02	5.49	-0.32	-6.52e-04	0.0	-4.24e-04
3394	191	-2.70	-7.17	-3.90	1.05e-03	0.0	-6.65e-05
3394	203	1.14	-8.24	-3.70	1.27e-03	0.0	3.50e-04
3394	204	4.59	6.41	-0.07	-7.59e-04	0.0	-4.93e-04
3394	223	-3.12	-8.30	-4.25	1.21e-03	0.0	-8.06e-05
3394	235	1.31	-9.66	-4.03	1.48e-03	0.0	4.16e-04
3395	4	0.19	2.76	-2.81	-3.59e-04	0.0	-1.42e-05
3395	19	0.09	4.71	-1.06	-6.79e-04	0.0	-2.08e-05
3395	28	0.17	-1.81	-3.15	3.14e-04	0.0	1.20e-06
3395	68	0.13	1.84	-2.02	-2.37e-04	0.0	-9.72e-06
3395	72	0.09	3.13	-1.22	-4.44e-04	0.0	-1.46e-05
3395	80	0.12	-1.21	-2.25	2.11e-04	0.0	0.0
3395	98	0.11	-0.05	-1.86	3.52e-05	0.0	-2.15e-06
3395	102	0.08	0.60	-1.37	-7.03e-05	0.0	-4.61e-06
3395	107	0.10	-0.05	-1.79	3.35e-05	0.0	-2.14e-06
3395	108	3.77	4.82	-0.63	-5.86e-04	0.0	-3.86e-04
3395	127	-2.50	-6.50	-3.61	9.57e-04	0.0	-5.62e-05
3395	139	1.01	-7.28	-3.55	1.14e-03	0.0	3.11e-04
3395	140	4.23	5.43	-0.49	-6.64e-04	0.0	-4.34e-04
3395	159	-2.82	-7.30	-3.83	1.07e-03	0.0	-6.35e-05
3395	171	1.13	-8.19	-3.77	1.28e-03	0.0	3.51e-04
3395	172	4.02	5.35	-0.50	-6.43e-04	0.0	-4.25e-04
3395	191	-2.70	-7.15	-3.80	1.05e-03	0.0	-6.62e-05
3395	203	1.14	-8.17	-3.76	1.27e-03	0.0	3.51e-04
3395	204	4.59	6.25	-0.27	-7.50e-04	0.0	-4.93e-04
3395	227	-2.75	-8.39	-4.13	1.22e-03	0.0	-6.33e-05
3395	235	1.31	-9.57	-4.10	1.47e-03	0.0	4.17e-04
3396	4	0.20	2.73	-2.78	4.46e-04	0.0	-2.03e-05
3396	19	0.09	4.71	-1.05	6.63e-04	0.0	-2.98e-05
3396	28	0.19	-1.87	-3.13	-8.87e-05	0.0	3.31e-06
3396	68	0.14	1.82	-2.00	2.99e-04	0.0	-1.38e-05
3396	72	0.09	3.12	-1.21	4.51e-04	0.0	-2.07e-05
3396	80	0.13	-1.25	-2.23	-5.71e-05	0.0	1.92e-06
3396	98	0.11	-0.07	-1.85	3.51e-05	0.0	-2.59e-06
3396	102	0.08	0.59	-1.36	1.09e-04	0.0	-6.05e-06
3396	107	0.11	-0.06	-1.78	3.34e-05	0.0	-2.56e-06
3396	108	4.65	5.22	-0.46	-5.07e-04	0.0	-3.98e-04
3396	127	-3.10	-6.99	-3.72	8.56e-04	0.0	-5.68e-05
3396	139	1.23	-7.90	-3.48	1.01e-03	0.0	3.19e-04
3396	140	5.22	5.89	-0.29	-5.75e-04	0.0	-4.47e-04
3396	159	-3.49	-7.85	-3.97	9.58e-04	0.0	-6.41e-05
3396	171	1.37	-8.89	-3.70	1.13e-03	0.0	3.60e-04
3396	172	4.97	5.80	-0.29	-5.57e-04	0.0	-4.38e-04
3396	191	-3.34	-7.68	-3.93	9.35e-04	0.0	-6.69e-05
3396	203	1.39	-8.86	-3.69	1.12e-03	0.0	3.60e-04
3396	204	5.68	6.76	-0.04	-6.49e-04	0.0	-5.10e-04
3396	223	-3.86	-8.90	-4.28	1.08e-03	0.0	-8.11e-05

3396	235	1.60	-10.38	-4.02	1.30e-03	0.0	4.29e-04
3397	4	0.20	2.73	-2.81	4.45e-04	0.0	-1.23e-05
3397	19	0.09	4.70	-1.06	6.61e-04	0.0	-1.65e-05
3397	28	0.19	-1.87	-3.15	-8.77e-05	0.0	0.0
3397	68	0.14	1.81	-2.02	2.99e-04	0.0	-8.47e-06
3397	72	0.09	3.12	-1.22	4.49e-04	0.0	-1.18e-05
3397	80	0.13	-1.25	-2.25	-5.64e-05	0.0	0.0
3397	98	0.11	-0.07	-1.86	3.53e-05	0.0	-2.59e-06
3397	102	0.08	0.59	-1.37	1.08e-04	0.0	-4.27e-06
3397	107	0.11	-0.06	-1.80	3.36e-05	0.0	-2.56e-06
3397	108	4.65	5.09	-0.63	-5.02e-04	0.0	-3.98e-04
3397	127	-3.10	-6.97	-3.61	8.54e-04	0.0	-5.68e-05
3397	139	1.23	-7.83	-3.55	1.00e-03	0.0	3.19e-04
3397	140	5.22	5.74	-0.49	-5.68e-04	0.0	-4.47e-04
3397	159	-3.49	-7.83	-3.84	9.56e-04	0.0	-6.42e-05
3397	171	1.37	-8.81	-3.77	1.12e-03	0.0	3.60e-04
3397	172	4.97	5.65	-0.50	-5.50e-04	0.0	-4.38e-04
3397	191	-3.34	-7.66	-3.80	9.33e-04	0.0	-6.69e-05
3397	203	1.39	-8.78	-3.76	1.11e-03	0.0	3.60e-04
3397	204	5.68	6.60	-0.27	-6.42e-04	0.0	-5.10e-04
3397	227	-3.40	-8.99	-4.13	1.09e-03	0.0	-6.33e-05
3397	235	1.60	-10.28	-4.10	1.30e-03	0.0	4.29e-04
3398	4	0.08	1.49	-2.85	-1.65e-03	0.0	-2.18e-05
3398	19	0.04	2.52	-1.07	-2.83e-03	0.0	-3.83e-05
3398	28	0.06	-1.04	-3.19	9.61e-04	0.0	1.06e-05
3398	68	0.05	0.99	-2.04	-1.10e-03	0.0	-1.45e-05
3398	72	0.04	1.67	-1.23	-1.88e-03	0.0	-2.55e-05
3398	80	0.04	-0.69	-2.27	6.43e-04	0.0	7.02e-06
3398	98	0.04	-0.01	-1.88	3.57e-05	0.0	0.0
3398	102	0.03	0.33	-1.38	-3.57e-04	0.0	-5.10e-06
3398	103	0.04	0.33	-1.78	-3.47e-04	0.0	-4.67e-06
3398	107	0.04	-0.01	-1.82	3.40e-05	0.0	0.0
3398	108	2.82	4.02	-0.72	-7.15e-04	0.0	-3.26e-04
3398	135	0.55	-5.87	-3.58	1.36e-03	0.0	2.55e-04
3398	139	0.74	-5.89	-3.58	1.36e-03	0.0	2.59e-04
3398	140	3.17	4.53	-0.58	-8.08e-04	0.0	-3.67e-04
3398	167	0.61	-6.61	-3.80	1.53e-03	0.0	2.87e-04
3398	171	0.83	-6.63	-3.80	1.53e-03	0.0	2.92e-04
3398	172	3.00	4.47	-0.59	-7.85e-04	0.0	-3.62e-04
3398	203	0.84	-6.62	-3.79	1.52e-03	0.0	2.94e-04
3398	204	3.42	5.22	-0.38	-9.14e-04	0.0	-4.23e-04
3398	235	0.97	-7.76	-4.13	1.77e-03	0.0	3.50e-04
3399	18	0.01	0.79	-2.44	5.05e-04	1.30e-04	2.54e-05
3399	22	0.01	0.79	-1.89	3.81e-04	1.06e-04	2.46e-05
3399	28	-3.97e-03	-0.46	-3.19	7.56e-04	1.43e-04	-4.26e-06
3399	75	8.91e-03	0.53	-1.77	3.69e-04	9.13e-05	1.71e-05
3399	80	-2.86e-03	-0.31	-2.27	5.36e-04	9.99e-05	-2.67e-06
3399	98	-4.47e-04	8.26e-03	-1.88	4.24e-04	8.33e-05	2.62e-06
3399	103	1.25e-03	0.11	-1.78	3.93e-04	7.95e-05	5.36e-06
3399	104	-2.21e-03	-0.10	-1.46	3.31e-04	5.27e-05	0.0
3399	106	-1.19e-03	6.56e-03	-1.42	3.16e-04	5.33e-05	1.79e-06
3399	107	-5.53e-04	8.02e-03	-1.82	4.08e-04	7.90e-05	2.50e-06
3399	111	-2.61	-3.64	-2.92	8.36e-04	2.00e-04	2.87e-04
3399	127	-1.88	-4.76	-3.59	1.10e-03	1.60e-04	-2.75e-05
3399	136	-0.66	5.18	-0.06	-3.44e-04	1.14e-04	-2.16e-04
3399	143	-2.93	-4.10	-3.06	8.90e-04	2.15e-04	3.22e-04
3399	159	-2.11	-5.35	-3.81	1.18e-03	1.70e-04	-3.18e-05
3399	168	-0.74	5.83	0.17	-4.39e-04	1.18e-04	-2.44e-04
3399	175	-2.77	-4.05	-3.05	8.82e-04	2.06e-04	3.20e-04
3399	200	-0.75	5.82	0.15	-4.32e-04	1.19e-04	-2.47e-04
3399	203	0.75	-5.80	-3.79	1.25e-03	3.95e-05	2.52e-04
3399	207	-3.16	-4.73	-3.26	9.60e-04	2.23e-04	3.74e-04
3399	232	-0.88	6.83	0.49	-5.75e-04	1.25e-04	-2.96e-04
3399	235	0.88	-6.81	-4.12	1.39e-03	3.30e-05	3.01e-04
3400	4	0.15	2.35	-2.84	-1.12e-03	0.0	1.40e-05
3400	19	0.07	3.98	-1.07	-1.95e-03	0.0	2.46e-05
3400	28	0.13	-1.54	-3.18	6.97e-04	0.0	-1.12e-05
3400	68	0.11	1.56	-2.04	-7.46e-04	0.0	9.12e-06
3400	72	0.07	2.65	-1.23	-1.29e-03	0.0	1.59e-05
3400	80	0.09	-1.03	-2.27	4.66e-04	0.0	-7.70e-06
3400	98	0.08	-0.03	-1.88	3.56e-05	0.0	-1.37e-06
3400	102	0.06	0.51	-1.38	-2.40e-04	0.0	1.93e-06
3400	107	0.08	-0.03	-1.81	3.38e-05	0.0	-1.39e-06
3400	108	2.99	4.38	-0.73	-6.57e-04	0.0	-3.64e-04
3400	135	0.60	-6.57	-3.59	1.27e-03	0.0	2.89e-04

3400	139	0.80	-6.59	-3.59	1.27e-03	0.0	2.93e-04
3400	140	3.36	4.94	-0.59	-7.44e-04	0.0	-4.10e-04
3400	167	0.66	-7.40	-3.81	1.42e-03	0.0	3.26e-04
3400	171	0.90	-7.42	-3.81	1.42e-03	0.0	3.31e-04
3400	172	3.18	4.87	-0.61	-7.22e-04	0.0	-4.01e-04
3400	203	0.91	-7.40	-3.80	1.41e-03	0.0	3.31e-04
3400	204	3.63	5.68	-0.40	-8.41e-04	0.0	-4.67e-04
3400	235	1.04	-8.67	-4.14	1.64e-03	0.0	3.93e-04
3401	4	0.18	2.75	-2.83	-3.58e-04	0.0	-5.02e-06
3401	19	0.09	4.70	-1.07	-6.77e-04	0.0	-5.52e-06
3401	28	0.17	-1.81	-3.18	3.14e-04	0.0	-3.37e-06
3401	68	0.13	1.83	-2.04	-2.36e-04	0.0	-3.62e-06
3401	72	0.09	3.12	-1.23	-4.43e-04	0.0	-4.40e-06
3401	80	0.12	-1.21	-2.26	2.11e-04	0.0	-2.52e-06
3401	98	0.10	-0.05	-1.87	3.55e-05	0.0	-2.14e-06
3401	102	0.08	0.60	-1.38	-6.99e-05	0.0	-2.57e-06
3401	107	0.10	-0.05	-1.81	3.37e-05	0.0	-2.14e-06
3401	108	3.77	4.69	-0.75	-5.76e-04	0.0	-3.86e-04
3401	139	1.01	-7.22	-3.61	1.13e-03	0.0	3.11e-04
3401	140	4.23	5.29	-0.62	-6.52e-04	0.0	-4.34e-04
3401	171	1.12	-8.12	-3.84	1.27e-03	0.0	3.52e-04
3401	172	4.02	5.21	-0.64	-6.32e-04	0.0	-4.25e-04
3401	203	1.14	-8.09	-3.82	1.26e-03	0.0	3.51e-04
3401	204	4.59	6.08	-0.44	-7.37e-04	0.0	-4.94e-04
3401	235	1.31	-9.48	-4.17	1.46e-03	0.0	4.17e-04
3402	4	0.20	2.72	-2.83	4.44e-04	0.0	-4.29e-06
3402	19	0.09	4.70	-1.07	6.59e-04	0.0	-3.20e-06
3402	28	0.19	-1.87	-3.17	-8.71e-05	0.0	-4.67e-06
3402	68	0.14	1.81	-2.03	2.98e-04	0.0	-3.15e-06
3402	72	0.09	3.11	-1.22	4.48e-04	0.0	-2.96e-06
3402	80	0.13	-1.25	-2.26	-5.60e-05	0.0	-3.41e-06
3402	98	0.11	-0.07	-1.87	3.55e-05	0.0	-2.59e-06
3402	102	0.08	0.59	-1.38	1.08e-04	0.0	-2.50e-06
3402	107	0.11	-0.06	-1.81	3.37e-05	0.0	-2.56e-06
3402	108	4.65	4.96	-0.76	-4.96e-04	0.0	-3.98e-04
3402	139	1.23	-7.77	-3.62	1.00e-03	0.0	3.19e-04
3402	140	5.22	5.59	-0.63	-5.63e-04	0.0	-4.47e-04
3402	171	1.37	-8.74	-3.85	1.12e-03	0.0	3.60e-04
3402	172	4.97	5.51	-0.65	-5.44e-04	0.0	-4.38e-04
3402	203	1.39	-8.71	-3.84	1.11e-03	0.0	3.60e-04
3402	204	5.68	6.43	-0.45	-6.35e-04	0.0	-5.09e-04
3402	235	1.60	-10.19	-4.18	1.29e-03	0.0	4.29e-04
3403	4	0.21	2.30	-2.79	1.13e-03	0.0	-1.67e-05
3403	19	0.09	4.02	-1.05	1.80e-03	0.0	-2.31e-05
3403	28	0.20	-1.72	-3.13	-4.30e-04	0.0	0.0
3403	68	0.15	1.53	-2.00	7.55e-04	0.0	-1.14e-05
3403	72	0.09	2.66	-1.21	1.21e-03	0.0	-1.62e-05
3403	80	0.14	-1.15	-2.23	-2.85e-04	0.0	0.0
3403	98	0.12	-0.08	-1.85	3.53e-05	0.0	-2.89e-06
3403	102	0.08	0.49	-1.36	2.61e-04	0.0	-5.26e-06
3403	107	0.11	-0.08	-1.78	3.36e-05	0.0	-2.83e-06
3403	108	5.52	5.45	-0.46	-4.38e-04	0.0	-4.06e-04
3403	127	-3.68	-7.39	-3.72	7.74e-04	0.0	-5.64e-05
3403	139	1.45	-8.36	-3.49	8.95e-04	0.0	3.23e-04
3403	140	6.20	6.14	-0.29	-4.97e-04	0.0	-4.57e-04
3403	159	-4.15	-8.30	-3.96	8.65e-04	0.0	-6.37e-05
3403	171	1.62	-9.41	-3.70	1.00e-03	0.0	3.65e-04
3403	172	5.90	6.04	-0.30	-4.81e-04	0.0	-4.48e-04
3403	191	-3.98	-8.12	-3.93	8.45e-04	0.0	-6.65e-05
3403	203	1.63	-9.37	-3.69	9.94e-04	0.0	3.66e-04
3403	204	6.75	7.05	-0.05	-5.62e-04	0.0	-5.21e-04
3403	223	-4.59	-9.40	-4.28	9.73e-04	0.0	-8.06e-05
3403	235	1.88	-10.97	-4.02	1.16e-03	0.0	4.36e-04
3404	4	0.21	2.29	-2.81	1.13e-03	0.0	-9.32e-06
3404	19	0.09	4.02	-1.06	1.80e-03	0.0	-1.08e-05
3404	28	0.20	-1.72	-3.15	-4.29e-04	0.0	-2.76e-06
3404	68	0.15	1.52	-2.02	7.54e-04	0.0	-6.51e-06
3404	72	0.09	2.66	-1.22	1.21e-03	0.0	-8.05e-06
3404	80	0.14	-1.15	-2.25	-2.84e-04	0.0	-2.14e-06
3404	98	0.12	-0.08	-1.86	3.54e-05	0.0	-2.89e-06
3404	102	0.08	0.49	-1.37	2.60e-04	0.0	-3.62e-06
3404	107	0.11	-0.08	-1.80	3.37e-05	0.0	-2.83e-06
3404	108	5.52	5.31	-0.63	-4.34e-04	0.0	-4.06e-04
3404	127	-3.68	-7.36	-3.61	7.71e-04	0.0	-5.64e-05
3404	139	1.45	-8.29	-3.55	8.95e-04	0.0	3.23e-04

3404	140	6.20	5.99	-0.49	-4.93e-04	0.0	-4.57e-04
3404	159	-4.15	-8.27	-3.84	8.63e-04	0.0	-6.37e-05
3404	171	1.62	-9.33	-3.77	1.00e-03	0.0	3.65e-04
3404	172	5.90	5.90	-0.49	-4.76e-04	0.0	-4.48e-04
3404	191	-3.98	-8.09	-3.80	8.42e-04	0.0	-6.65e-05
3404	203	1.63	-9.29	-3.76	9.93e-04	0.0	3.66e-04
3404	204	6.75	6.88	-0.27	-5.56e-04	0.0	-5.21e-04
3404	227	-4.04	-9.50	-4.13	9.86e-04	0.0	-6.19e-05
3404	235	1.88	-10.88	-4.09	1.15e-03	0.0	4.36e-04
3405	4	0.22	1.54	-2.78	1.62e-03	0.0	-9.08e-06
3405	19	0.09	2.79	-1.05	2.62e-03	0.0	-9.62e-06
3405	28	0.21	-1.40	-3.13	-6.75e-04	0.0	-3.36e-06
3405	68	0.15	1.02	-2.00	1.08e-03	0.0	-6.35e-06
3405	72	0.09	1.84	-1.21	1.75e-03	0.0	-7.33e-06
3405	80	0.15	-0.94	-2.23	-4.48e-04	0.0	-2.54e-06
3405	98	0.12	-0.10	-1.85	3.53e-05	0.0	-3.13e-06
3405	105	0.12	-0.37	-1.82	-1.30e-04	0.0	-2.73e-06
3405	107	0.12	-0.10	-1.78	3.36e-05	0.0	-3.05e-06
3405	108	6.33	5.64	-0.49	-3.91e-04	0.0	-4.13e-04
3405	127	-4.24	-7.75	-3.70	7.16e-04	0.0	-5.55e-05
3405	139	1.65	-8.77	-3.50	8.20e-04	0.0	3.26e-04
3405	140	7.11	6.36	-0.33	-4.43e-04	0.0	-4.65e-04
3405	159	-4.78	-8.70	-3.93	8.01e-04	0.0	-6.27e-05
3405	171	1.84	-9.87	-3.71	9.19e-04	0.0	3.69e-04
3405	172	6.78	6.26	-0.34	-4.29e-04	0.0	-4.56e-04
3405	191	-4.57	-8.51	-3.90	7.82e-04	0.0	-6.56e-05
3405	203	1.86	-9.83	-3.70	9.09e-04	0.0	3.71e-04
3405	204	7.75	7.30	-0.09	-5.01e-04	0.0	-5.31e-04
3405	223	-5.28	-9.85	-4.24	9.00e-04	0.0	-7.96e-05
3405	235	2.14	-11.51	-4.04	1.06e-03	0.0	4.42e-04
3406	4	0.22	1.53	-2.81	1.62e-03	0.0	-5.89e-06
3406	19	0.09	2.79	-1.06	2.62e-03	0.0	-4.33e-06
3406	28	0.21	-1.41	-3.15	-6.74e-04	0.0	-4.95e-06
3406	68	0.15	1.02	-2.02	1.08e-03	0.0	-4.23e-06
3406	72	0.09	1.84	-1.22	1.75e-03	0.0	-3.80e-06
3406	80	0.15	-0.94	-2.25	-4.47e-04	0.0	-3.60e-06
3406	98	0.12	-0.10	-1.86	3.55e-05	0.0	-3.12e-06
3406	105	0.12	-0.37	-1.84	-1.30e-04	0.0	-3.08e-06
3406	107	0.12	-0.10	-1.80	3.37e-05	0.0	-3.05e-06
3406	108	6.33	5.51	-0.63	-3.88e-04	0.0	-4.13e-04
3406	127	-4.24	-7.72	-3.61	7.14e-04	0.0	-5.55e-05
3406	139	1.65	-8.70	-3.55	8.20e-04	0.0	3.26e-04
3406	140	7.11	6.21	-0.49	-4.40e-04	0.0	-4.65e-04
3406	159	-4.77	-8.67	-3.84	7.98e-04	0.0	-6.27e-05
3406	171	1.84	-9.79	-3.77	9.18e-04	0.0	3.69e-04
3406	172	6.78	6.11	-0.49	-4.25e-04	0.0	-4.56e-04
3406	191	-4.57	-8.49	-3.81	7.79e-04	0.0	-6.56e-05
3406	203	1.86	-9.75	-3.76	9.09e-04	0.0	3.71e-04
3406	204	7.75	7.13	-0.27	-4.97e-04	0.0	-5.31e-04
3406	227	-4.64	-9.96	-4.14	9.14e-04	0.0	-6.00e-05
3406	235	2.14	-11.41	-4.09	1.06e-03	0.0	4.42e-04
3407	4	0.27	0.56	-2.78	-1.80e-03	1.19e-04	0.0
3407	28	0.26	-0.98	-3.12	1.07e-03	1.15e-04	-8.91e-06
3407	44	0.23	-1.47	-2.95	1.71e-03	9.92e-05	-1.07e-05
3407	68	0.19	0.36	-2.00	-1.20e-03	8.35e-05	0.0
3407	80	0.18	-0.66	-2.23	7.20e-04	8.05e-05	-6.24e-06
3407	88	0.16	-0.99	-2.11	1.14e-03	7.03e-05	-7.42e-06
3407	98	0.15	-0.12	-1.84	5.76e-05	6.78e-05	-3.49e-06
3407	105	0.14	-0.28	-1.82	2.72e-04	6.43e-05	-4.14e-06
3407	107	0.14	-0.11	-1.78	5.49e-05	6.47e-05	-3.39e-06
3407	108	6.58	5.82	-0.54	-6.18e-04	3.83e-04	-4.19e-04
3407	127	-4.36	-8.09	-3.66	9.94e-04	-1.56e-04	-5.47e-05
3407	139	1.72	-9.15	-3.51	1.27e-03	1.23e-04	3.29e-04
3407	140	7.38	6.56	-0.38	-7.02e-04	4.23e-04	-4.72e-04
3407	159	-4.92	-9.08	-3.89	1.11e-03	-1.83e-04	-6.17e-05
3407	171	1.92	-10.29	-3.73	1.43e-03	1.31e-04	3.72e-04
3407	172	7.04	6.45	-0.39	-6.77e-04	4.12e-04	-4.64e-04
3407	191	-4.71	-8.88	-3.86	1.08e-03	-1.76e-04	-6.47e-05
3407	203	1.93	-10.25	-3.72	1.41e-03	1.30e-04	3.74e-04
3407	204	8.05	7.53	-0.15	-7.92e-04	4.66e-04	-5.41e-04
3407	223	-5.44	-10.28	-4.19	1.24e-03	-2.13e-04	-7.85e-05
3407	235	2.22	-12.00	-4.06	1.63e-03	1.39e-04	4.46e-04
3408	4	0.27	0.56	-2.81	-1.85e-03	1.09e-04	-2.59e-06
3408	28	0.26	-0.98	-3.15	1.08e-03	1.05e-04	-7.05e-06
3408	44	0.23	-1.47	-2.98	1.73e-03	8.94e-05	-7.78e-06

3408	68	0.19	0.36	-2.02	-1.23e-03	7.57e-05	-2.02e-06
3408	80	0.18	-0.66	-2.25	7.25e-04	7.29e-05	-4.99e-06
3408	88	0.16	-0.99	-2.13	1.16e-03	6.29e-05	-5.48e-06
3408	98	0.15	-0.12	-1.86	5.11e-05	6.04e-05	-3.35e-06
3408	105	0.14	-0.29	-1.84	2.69e-04	5.69e-05	-3.64e-06
3408	107	0.14	-0.11	-1.80	4.87e-05	5.73e-05	-3.25e-06
3408	108	6.58	5.68	-0.63	2.25e-04	3.87e-04	-4.19e-04
3408	127	-4.36	-8.06	-3.62	7.32e-04	-1.71e-04	-5.45e-05
3408	139	1.72	-9.09	-3.55	1.26e-03	1.19e-04	3.29e-04
3408	140	7.38	6.41	-0.49	2.48e-04	4.28e-04	-4.72e-04
3408	159	-4.92	-9.05	-3.84	8.16e-04	-1.99e-04	-6.15e-05
3408	171	1.92	-10.22	-3.77	1.41e-03	1.27e-04	3.72e-04
3408	172	7.04	6.30	-0.49	2.37e-04	4.16e-04	-4.64e-04
3408	191	-4.71	-8.85	-3.81	7.98e-04	-1.92e-04	-6.45e-05
3408	203	1.94	-10.18	-3.76	1.39e-03	1.26e-04	3.74e-04
3408	204	8.05	7.35	-0.27	2.66e-04	4.73e-04	-5.41e-04
3408	227	-4.79	-10.39	-4.14	1.23e-03	-2.01e-04	-5.80e-05
3408	235	2.22	-11.91	-4.09	1.62e-03	1.36e-04	4.47e-04
3409	4	0.21	2.29	-2.83	1.13e-03	0.0	-1.94e-06
3409	19	0.09	4.02	-1.07	1.80e-03	0.0	1.53e-06
3409	28	0.20	-1.72	-3.17	-4.28e-04	0.0	-6.45e-06
3409	68	0.15	1.52	-2.03	7.53e-04	0.0	-1.59e-06
3409	72	0.09	2.66	-1.22	1.21e-03	0.0	0.0
3409	80	0.14	-1.15	-2.26	-2.83e-04	0.0	-4.60e-06
3409	98	0.12	-0.08	-1.87	3.55e-05	0.0	-2.89e-06
3409	102	0.08	0.49	-1.38	2.60e-04	0.0	-1.98e-06
3409	107	0.11	-0.08	-1.81	3.38e-05	0.0	-2.83e-06
3409	108	5.52	5.18	-0.76	-4.31e-04	0.0	-4.06e-04
3409	139	1.45	-8.23	-3.62	8.94e-04	0.0	3.23e-04
3409	140	6.20	5.84	-0.62	-4.88e-04	0.0	-4.57e-04
3409	171	1.62	-9.26	-3.85	1.00e-03	0.0	3.65e-04
3409	172	5.90	5.75	-0.64	-4.72e-04	0.0	-4.48e-04
3409	203	1.63	-9.22	-3.83	9.91e-04	0.0	3.66e-04
3409	204	6.75	6.71	-0.45	-5.51e-04	0.0	-5.21e-04
3409	235	1.88	-10.79	-4.18	1.15e-03	0.0	4.36e-04
3410	4	0.22	1.53	-2.83	1.62e-03	0.0	-2.70e-06
3410	19	0.09	2.79	-1.07	2.61e-03	0.0	0.0
3410	28	0.21	-1.41	-3.18	-6.73e-04	0.0	-6.55e-06
3410	68	0.15	1.02	-2.04	1.08e-03	0.0	-2.10e-06
3410	72	0.09	1.84	-1.23	1.75e-03	0.0	0.0
3410	80	0.15	-0.94	-2.27	-4.46e-04	0.0	-4.66e-06
3410	98	0.12	-0.10	-1.88	3.55e-05	0.0	-3.12e-06
3410	105	0.12	-0.37	-1.85	-1.29e-04	0.0	-3.43e-06
3410	107	0.12	-0.10	-1.81	3.38e-05	0.0	-3.05e-06
3410	108	6.33	5.37	-0.74	-3.85e-04	0.0	-4.13e-04
3410	139	1.65	-8.64	-3.60	8.19e-04	0.0	3.26e-04
3410	140	7.11	6.06	-0.61	-4.37e-04	0.0	-4.65e-04
3410	171	1.84	-9.72	-3.83	9.18e-04	0.0	3.69e-04
3410	172	6.78	5.96	-0.62	-4.22e-04	0.0	-4.56e-04
3410	203	1.86	-9.68	-3.82	9.08e-04	0.0	3.71e-04
3410	204	7.75	6.95	-0.42	-4.93e-04	0.0	-5.31e-04
3410	235	2.14	-11.32	-4.16	1.06e-03	0.0	4.42e-04
3411	4	0.27	0.55	-2.84	-1.75e-03	1.02e-04	-5.08e-06
3411	28	0.26	-0.99	-3.18	1.04e-03	9.78e-05	-5.51e-06
3411	44	0.23	-1.48	-3.00	1.66e-03	8.26e-05	-5.39e-06
3411	68	0.19	0.36	-2.04	-1.17e-03	7.05e-05	-3.67e-06
3411	80	0.18	-0.66	-2.27	6.93e-04	6.77e-05	-3.96e-06
3411	88	0.16	-0.99	-2.15	1.11e-03	5.76e-05	-3.87e-06
3411	98	0.15	-0.12	-1.88	5.05e-05	5.51e-05	-3.22e-06
3411	105	0.14	-0.29	-1.85	2.59e-04	5.16e-05	-3.23e-06
3411	107	0.14	-0.11	-1.81	4.81e-05	5.20e-05	-3.13e-06
3411	108	6.58	5.54	-0.72	2.06e-04	3.79e-04	-4.19e-04
3411	135	1.26	-8.98	-3.58	9.80e-04	9.02e-05	3.23e-04
3411	139	1.72	-9.02	-3.58	1.22e-03	1.13e-04	3.29e-04
3411	140	7.38	6.25	-0.58	2.26e-04	4.20e-04	-4.72e-04
3411	167	1.39	-10.10	-3.81	1.10e-03	9.47e-05	3.64e-04
3411	171	1.92	-10.15	-3.80	1.36e-03	1.20e-04	3.72e-04
3411	172	7.04	6.15	-0.59	2.16e-04	4.08e-04	-4.64e-04
3411	203	1.94	-10.10	-3.79	1.34e-03	1.19e-04	3.74e-04
3411	204	8.05	7.18	-0.38	2.41e-04	4.64e-04	-5.41e-04
3411	235	2.22	-11.81	-4.13	1.56e-03	1.29e-04	4.47e-04
3412	18	0.02	0.82	-2.53	6.05e-04	1.01e-05	2.78e-06
3412	28	3.62e-03	-0.45	-3.32	8.63e-04	3.04e-05	1.47e-05
3412	75	0.01	0.55	-1.82	4.41e-04	0.0	2.48e-06
3412	80	2.63e-03	-0.30	-2.35	6.13e-04	1.30e-05	1.04e-05

3412	98	3.79e-03	0.02	-1.92	4.91e-04	-3.32e-06	8.06e-06
3412	103	5.12e-03	0.12	-1.80	4.59e-04	-7.84e-06	6.60e-06
3412	107	3.60e-03	0.02	-1.84	4.74e-04	-7.80e-06	7.78e-06
3412	108	2.60	2.91	-0.65	1.23e-04	2.24e-04	-2.82e-04
3412	127	-1.87	-4.58	-3.75	1.14e-03	-1.59e-04	-1.80e-05
3412	136	-0.66	4.91	-0.29	-2.47e-04	-4.84e-05	-2.13e-04
3412	140	2.93	3.27	-0.50	7.96e-05	2.53e-04	-3.19e-04
3412	159	-2.10	-5.16	-3.99	1.22e-03	-1.78e-04	-2.17e-05
3412	168	-0.74	5.52	-0.09	-3.37e-04	-5.34e-05	-2.41e-04
3412	172	2.76	3.23	-0.51	8.78e-05	2.47e-04	-3.17e-04
3412	191	-2.00	-5.06	-3.95	1.20e-03	-1.74e-04	-2.43e-05
3412	200	-0.75	5.49	-0.11	-3.28e-04	-5.23e-05	-2.45e-04
3412	204	3.15	3.77	-0.29	2.53e-05	2.89e-04	-3.72e-04
3412	223	-2.30	-5.87	-4.30	1.32e-03	-2.01e-04	-3.23e-05
3412	232	-0.88	6.43	0.18	-4.62e-04	-5.84e-05	-2.95e-04
3413	4	0.06	0.64	-2.98	-1.70e-04	0.0	-1.01e-04
3413	19	0.03	1.07	-1.03	-3.77e-04	0.0	-1.71e-04
3413	28	0.05	-0.59	-3.32	2.36e-04	0.0	5.50e-05
3413	68	0.04	0.43	-2.13	-1.11e-04	0.0	-6.67e-05
3413	72	0.03	0.72	-1.20	-2.40e-04	0.0	-1.13e-04
3413	80	0.03	-0.40	-2.35	1.60e-04	0.0	3.70e-05
3413	98	0.03	-1.92e-03	-1.92	4.22e-05	0.0	2.65e-06
3413	102	0.02	0.14	-1.34	-2.50e-05	0.0	-2.06e-05
3413	103	0.03	0.14	-1.80	-1.36e-05	0.0	-2.05e-05
3413	107	0.03	-1.62e-03	-1.84	4.03e-05	0.0	2.64e-06
3413	108	2.81	3.18	-0.64	-5.16e-04	0.0	-3.36e-04
3413	127	-1.96	-5.15	-3.75	1.05e-03	0.0	-1.14e-05
3413	139	0.73	-5.43	-3.39	1.06e-03	0.0	2.46e-04
3413	140	3.16	3.59	-0.49	-5.85e-04	0.0	-3.78e-04
3413	159	-2.21	-5.79	-3.99	1.17e-03	0.0	-1.37e-05
3413	171	0.82	-6.11	-3.59	1.19e-03	0.0	2.78e-04
3413	172	2.99	3.54	-0.50	-5.81e-04	0.0	-3.79e-04
3413	191	-2.11	-5.68	-3.96	1.16e-03	0.0	-1.61e-05
3413	203	0.83	-6.08	-3.57	1.18e-03	0.0	2.86e-04
3413	204	3.41	4.14	-0.28	-6.86e-04	0.0	-4.45e-04
3413	223	-2.42	-6.59	-4.30	1.34e-03	0.0	-2.17e-05
3413	235	0.97	-7.11	-3.86	1.37e-03	0.0	3.43e-04
3414	4	0.06	0.60	-2.99	-1.11e-04	0.0	-8.74e-05
3414	19	0.03	1.00	-1.02	-2.86e-04	0.0	-1.48e-04
3414	28	0.05	-0.57	-3.32	2.15e-04	0.0	4.72e-05
3414	68	0.04	0.40	-2.13	-7.15e-05	0.0	-5.80e-05
3414	72	0.03	0.67	-1.18	-1.79e-04	0.0	-9.80e-05
3414	80	0.03	-0.38	-2.35	1.46e-04	0.0	3.18e-05
3414	98	0.03	-6.45e-04	-1.91	4.54e-05	0.0	2.13e-06
3414	102	0.02	0.13	-1.33	-1.10e-05	0.0	-1.78e-05
3414	103	0.03	0.13	-1.80	1.34e-06	0.0	-1.79e-05
3414	106	0.02	1.36e-03	-1.37	3.11e-05	0.0	2.22e-06
3414	107	0.03	-3.58e-04	-1.83	4.34e-05	0.0	2.14e-06
3414	108	2.81	3.04	-0.80	-4.69e-04	0.0	-3.38e-04
3414	127	-1.96	-5.10	-3.64	1.01e-03	0.0	-1.13e-05
3414	139	0.73	-5.37	-3.41	1.04e-03	0.0	2.45e-04
3414	140	3.15	3.42	-0.67	-5.33e-04	0.0	-3.81e-04
3414	159	-2.21	-5.73	-3.86	1.13e-03	0.0	-1.35e-05
3414	171	0.82	-6.05	-3.61	1.17e-03	0.0	2.77e-04
3414	172	2.98	3.38	-0.68	-5.27e-04	0.0	-3.81e-04
3414	191	-2.11	-5.62	-3.83	1.11e-03	0.0	-1.60e-05
3414	203	0.83	-6.01	-3.59	1.16e-03	0.0	2.85e-04
3414	204	3.40	3.94	-0.49	-6.23e-04	0.0	-4.48e-04
3414	223	-2.42	-6.53	-4.15	1.29e-03	0.0	-2.15e-05
3414	235	0.97	-7.03	-3.89	1.35e-03	0.0	3.42e-04
3415	18	0.02	0.83	-2.53	6.22e-04	1.59e-05	2.05e-05
3415	28	4.34e-03	-0.45	-3.32	8.81e-04	4.05e-05	1.70e-05
3415	75	0.01	0.55	-1.82	4.53e-04	3.68e-06	1.46e-05
3415	80	3.10e-03	-0.30	-2.35	6.26e-04	2.00e-05	1.23e-05
3415	98	4.00e-03	0.02	-1.91	5.02e-04	2.80e-06	1.17e-05
3415	103	5.26e-03	0.13	-1.80	4.70e-04	-2.30e-06	1.18e-05
3415	107	3.79e-03	0.02	-1.84	4.84e-04	-2.06e-06	1.13e-05
3415	108	2.60	2.78	-0.80	1.47e-04	3.88e-04	-2.76e-04
3415	127	-1.87	-4.56	-3.64	1.14e-03	-2.61e-04	-1.65e-05
3415	136	-0.66	4.87	-0.26	-2.31e-04	-9.07e-05	-2.07e-04
3415	140	2.93	3.13	-0.67	1.05e-04	4.37e-04	-3.12e-04
3415	159	-2.10	-5.13	-3.86	1.23e-03	-2.93e-04	-2.05e-05
3415	168	-0.74	5.48	-0.06	-3.20e-04	-1.02e-04	-2.36e-04
3415	172	2.76	3.09	-0.68	1.13e-04	4.22e-04	-3.10e-04
3415	191	-2.00	-5.03	-3.83	1.21e-03	-2.83e-04	-2.31e-05

3415	200	-0.75	5.44	-0.08	-3.11e-04	-1.01e-04	-2.40e-04
3415	204	3.15	3.60	-0.49	5.30e-05	4.87e-04	-3.65e-04
3415	223	-2.30	-5.84	-4.16	1.33e-03	-3.27e-04	-3.15e-05
3415	232	-0.88	6.36	0.22	-4.44e-04	-1.16e-04	-2.88e-04
3416	4	0.10	0.73	-2.98	-8.10e-05	0.0	-1.97e-04
3416	19	0.04	1.28	-1.03	-2.29e-04	0.0	-3.23e-04
3416	28	0.09	-0.72	-3.31	1.92e-04	0.0	9.27e-05
3416	68	0.07	0.49	-2.12	-5.13e-05	0.0	-1.31e-04
3416	72	0.04	0.85	-1.19	-1.42e-04	0.0	-2.15e-04
3416	80	0.06	-0.48	-2.34	1.31e-04	0.0	6.18e-05
3416	98	0.05	-0.02	-1.91	4.27e-05	0.0	-1.70e-06
3416	105	0.05	-0.17	-1.87	6.73e-05	0.0	1.99e-05
3416	107	0.05	-0.02	-1.84	4.07e-05	0.0	-1.54e-06
3416	108	3.07	3.45	-0.61	-4.68e-04	0.0	-3.92e-04
3416	127	-2.11	-5.69	-3.77	9.85e-04	0.0	-1.83e-05
3416	139	0.81	-5.98	-3.38	1.04e-03	0.0	2.71e-04
3416	140	3.45	3.89	-0.46	-5.32e-04	0.0	-4.41e-04
3416	159	-2.37	-6.40	-4.01	1.10e-03	0.0	-2.08e-05
3416	171	0.90	-6.73	-3.58	1.17e-03	0.0	3.07e-04
3416	172	3.27	3.85	-0.47	-5.24e-04	0.0	-4.43e-04
3416	191	-2.27	-6.28	-3.97	1.08e-03	0.0	-2.24e-05
3416	203	0.91	-6.69	-3.56	1.16e-03	0.0	3.17e-04
3416	204	3.73	4.49	-0.25	-6.18e-04	0.0	-5.22e-04
3416	223	-2.61	-7.29	-4.32	1.25e-03	0.0	-2.77e-05
3416	235	1.06	-7.83	-3.85	1.35e-03	0.0	3.82e-04
3417	4	0.09	0.65	-2.99	-5.92e-05	0.0	-1.62e-04
3417	19	0.04	1.14	-1.02	-1.96e-04	0.0	-2.64e-04
3417	28	0.08	-0.68	-3.32	1.85e-04	0.0	7.53e-05
3417	68	0.07	0.43	-2.13	-3.67e-05	0.0	-1.08e-04
3417	72	0.04	0.75	-1.18	-1.19e-04	0.0	-1.76e-04
3417	80	0.06	-0.45	-2.35	1.26e-04	0.0	5.02e-05
3417	98	0.05	-0.02	-1.91	4.41e-05	0.0	-1.63e-06
3417	105	0.05	-0.16	-1.87	6.64e-05	0.0	1.60e-05
3417	107	0.05	-0.02	-1.83	4.21e-05	0.0	-1.47e-06
3417	108	3.09	3.27	-0.80	-4.42e-04	0.0	-3.92e-04
3417	127	-2.12	-5.62	-3.64	9.67e-04	0.0	-1.70e-05
3417	139	0.81	-5.91	-3.41	1.04e-03	0.0	2.69e-04
3417	140	3.47	3.69	-0.68	-5.02e-04	0.0	-4.42e-04
3417	159	-2.39	-6.31	-3.86	1.08e-03	0.0	-1.94e-05
3417	171	0.91	-6.65	-3.61	1.16e-03	0.0	3.05e-04
3417	172	3.29	3.65	-0.68	-4.94e-04	0.0	-4.44e-04
3417	191	-2.28	-6.20	-3.83	1.06e-03	0.0	-2.13e-05
3417	203	0.92	-6.61	-3.59	1.15e-03	0.0	3.15e-04
3417	204	3.76	4.26	-0.49	-5.82e-04	0.0	-5.22e-04
3417	223	-2.63	-7.19	-4.15	1.23e-03	0.0	-2.64e-05
3417	235	1.07	-7.73	-3.89	1.33e-03	0.0	3.79e-04
3418	4	0.13	0.73	-2.98	0.0	0.0	-1.58e-04
3418	19	0.06	1.32	-1.02	-9.38e-05	0.0	-2.59e-04
3418	28	0.12	-0.80	-3.31	1.51e-04	0.0	7.44e-05
3418	68	0.09	0.48	-2.12	2.63e-06	0.0	-1.06e-04
3418	72	0.06	0.87	-1.19	-5.17e-05	0.0	-1.73e-04
3418	80	0.08	-0.53	-2.34	1.03e-04	0.0	4.96e-05
3418	98	0.07	-0.05	-1.91	4.23e-05	0.0	-1.52e-06
3418	105	0.07	-0.20	-1.87	5.77e-05	0.0	1.58e-05
3418	107	0.07	-0.04	-1.83	4.04e-05	0.0	-1.39e-06
3418	108	3.84	3.68	-0.56	-4.35e-04	0.0	-4.13e-04
3418	127	-2.60	-6.18	-3.80	9.16e-04	0.0	-1.67e-05
3418	139	1.01	-6.52	-3.37	1.03e-03	0.0	2.83e-04
3418	140	4.32	4.15	-0.40	-4.95e-04	0.0	-4.65e-04
3418	159	-2.93	-6.94	-4.04	1.02e-03	0.0	-1.92e-05
3418	171	1.13	-7.33	-3.56	1.15e-03	0.0	3.20e-04
3418	172	4.10	4.10	-0.41	-4.80e-04	0.0	-4.67e-04
3418	191	-2.80	-6.82	-4.01	1.00e-03	0.0	-2.13e-05
3418	203	1.14	-7.29	-3.54	1.14e-03	0.0	3.31e-04
3418	204	4.68	4.79	-0.18	-5.63e-04	0.0	-5.49e-04
3418	223	-3.23	-7.91	-4.36	1.16e-03	0.0	-2.68e-05
3418	235	1.32	-8.52	-3.83	1.32e-03	0.0	3.99e-04
3419	4	0.13	0.66	-2.99	-1.07e-05	0.0	-1.46e-04
3419	28	0.12	-0.77	-3.32	1.55e-04	0.0	6.82e-05
3419	44	0.10	-1.21	-3.08	2.02e-04	0.0	1.16e-04
3419	68	0.09	0.44	-2.13	-4.47e-06	0.0	-9.72e-05
3419	80	0.08	-0.51	-2.35	1.06e-04	0.0	4.54e-05
3419	88	0.07	-0.81	-2.19	1.38e-04	0.0	7.75e-05
3419	98	0.07	-0.05	-1.91	4.22e-05	0.0	-1.46e-06
3419	105	0.07	-0.20	-1.87	5.88e-05	0.0	1.45e-05

3419	107	0.07	-0.04	-1.83	4.03e-05	0.0	-1.33e-06
3419	108	3.84	3.50	-0.81	-4.25e-04	0.0	-4.13e-04
3419	127	-2.60	-6.11	-3.63	9.20e-04	0.0	-1.63e-05
3419	139	1.01	-6.45	-3.41	1.03e-03	0.0	2.82e-04
3419	140	4.31	3.94	-0.68	-4.83e-04	0.0	-4.66e-04
3419	159	-2.93	-6.86	-3.85	1.03e-03	0.0	-1.87e-05
3419	171	1.13	-7.26	-3.61	1.15e-03	0.0	3.20e-04
3419	172	4.10	3.89	-0.69	-4.70e-04	0.0	-4.68e-04
3419	191	-2.80	-6.74	-3.82	1.01e-03	0.0	-2.08e-05
3419	203	1.14	-7.21	-3.59	1.14e-03	0.0	3.31e-04
3419	204	4.68	4.55	-0.50	-5.50e-04	0.0	-5.50e-04
3419	223	-3.23	-7.81	-4.14	1.16e-03	0.0	-2.63e-05
3419	235	1.32	-8.42	-3.89	1.32e-03	0.0	3.98e-04
3420	4	0.17	0.71	-2.97	4.24e-05	0.0	-1.33e-04
3420	28	0.16	-0.87	-3.30	1.27e-04	0.0	6.51e-05
3420	44	0.14	-1.35	-3.07	1.56e-04	0.0	1.09e-04
3420	68	0.12	0.47	-2.12	3.08e-05	0.0	-8.87e-05
3420	80	0.11	-0.58	-2.34	8.72e-05	0.0	4.34e-05
3420	88	0.10	-0.90	-2.18	1.06e-04	0.0	7.28e-05
3420	98	0.09	-0.07	-1.91	4.14e-05	0.0	0.0
3420	105	0.09	-0.23	-1.87	5.18e-05	0.0	1.44e-05
3420	107	0.09	-0.07	-1.83	3.94e-05	0.0	0.0
3420	108	4.61	3.89	-0.53	6.02e-05	0.0	-4.18e-04
3420	127	-3.10	-6.64	-3.81	7.22e-04	0.0	-1.52e-05
3420	139	1.21	-7.05	-3.36	1.02e-03	0.0	2.94e-04
3420	140	5.18	4.38	-0.37	6.30e-05	0.0	-4.71e-04
3420	159	-3.49	-7.46	-4.06	8.06e-04	0.0	-1.76e-05
3420	171	1.36	-7.93	-3.55	1.14e-03	0.0	3.32e-04
3420	172	4.93	4.33	-0.38	5.35e-05	0.0	-4.72e-04
3420	191	-3.34	-7.32	-4.02	7.92e-04	0.0	-2.04e-05
3420	203	1.37	-7.88	-3.53	1.13e-03	0.0	3.43e-04
3420	204	5.63	5.06	-0.14	5.16e-05	0.0	-5.55e-04
3420	223	-3.85	-8.48	-4.38	9.13e-04	0.0	-2.64e-05
3420	235	1.58	-9.21	-3.82	1.31e-03	0.0	4.12e-04
3421	4	0.16	0.65	-2.99	2.30e-05	0.0	-1.23e-04
3421	28	0.16	-0.84	-3.32	1.36e-04	0.0	6.01e-05
3421	44	0.14	-1.30	-3.08	1.71e-04	0.0	1.01e-04
3421	68	0.12	0.43	-2.13	1.79e-05	0.0	-8.20e-05
3421	80	0.11	-0.56	-2.35	9.30e-05	0.0	4.01e-05
3421	88	0.10	-0.87	-2.19	1.16e-04	0.0	6.73e-05
3421	98	0.09	-0.07	-1.91	4.10e-05	0.0	0.0
3421	105	0.09	-0.23	-1.87	5.36e-05	0.0	1.33e-05
3421	107	0.09	-0.07	-1.83	3.91e-05	0.0	0.0
3421	108	4.61	3.70	-0.82	3.56e-05	0.0	-4.18e-04
3421	127	-3.10	-6.57	-3.63	7.44e-04	0.0	-1.50e-05
3421	139	1.21	-6.98	-3.41	1.01e-03	0.0	2.93e-04
3421	140	5.18	4.18	-0.69	3.53e-05	0.0	-4.70e-04
3421	159	-3.49	-7.38	-3.85	8.32e-04	0.0	-1.74e-05
3421	171	1.36	-7.85	-3.61	1.14e-03	0.0	3.32e-04
3421	172	4.93	4.12	-0.70	2.81e-05	0.0	-4.72e-04
3421	191	-3.34	-7.25	-3.82	8.17e-04	0.0	-2.02e-05
3421	203	1.37	-7.80	-3.59	1.12e-03	0.0	3.42e-04
3421	204	5.63	4.81	-0.50	2.31e-05	0.0	-5.55e-04
3421	223	-3.86	-8.40	-4.14	9.42e-04	0.0	-2.63e-05
3421	235	1.58	-9.10	-3.89	1.30e-03	0.0	4.12e-04
3422	4	0.05	0.56	-2.99	-4.72e-05	0.0	-5.94e-05
3422	15	0.04	0.94	-1.56	-1.76e-04	0.0	-9.83e-05
3422	28	0.05	-0.55	-3.33	1.97e-04	0.0	2.98e-05
3422	68	0.04	0.37	-2.13	-2.82e-05	0.0	-3.94e-05
3422	72	0.03	0.63	-1.17	-1.14e-04	0.0	-6.54e-05
3422	80	0.03	-0.37	-2.35	1.34e-04	0.0	2.00e-05
3422	98	0.03	2.09e-04	-1.91	5.12e-05	0.0	0.0
3422	102	0.02	0.13	-1.32	5.24e-06	0.0	-1.22e-05
3422	103	0.03	0.13	-1.79	1.90e-05	0.0	-1.25e-05
3422	106	0.02	2.28e-03	-1.35	3.51e-05	0.0	1.14e-06
3422	107	0.03	5.05e-04	-1.83	4.89e-05	0.0	0.0
3422	108	2.81	2.89	-0.97	-4.19e-04	0.0	-3.43e-04
3422	127	-1.96	-5.04	-3.51	9.74e-04	0.0	-1.11e-05
3422	136	-0.68	5.31	-0.20	-9.33e-04	0.0	-2.41e-04
3422	140	3.15	3.25	-0.87	-4.77e-04	0.0	-3.86e-04
3422	159	-2.21	-5.67	-3.72	1.09e-03	0.0	-1.31e-05
3422	168	-0.77	5.98	2.92e-03	-1.06e-03	0.0	-2.73e-04
3422	172	2.98	3.21	-0.87	-4.69e-04	0.0	-3.87e-04
3422	191	-2.11	-5.57	-3.69	1.07e-03	0.0	-1.58e-05
3422	200	-0.78	5.94	-0.01	-1.05e-03	0.0	-2.81e-04

3422	204	3.40	3.74	-0.71	-5.55e-04	0.0	-4.56e-04
3422	227	-2.15	-6.51	-3.99	1.24e-03	0.0	-1.49e-05
3422	232	-0.91	6.94	0.29	-1.23e-03	0.0	-3.38e-04
3423	18	0.02	0.84	-2.54	6.38e-04	2.74e-05	2.54e-05
3423	28	5.07e-03	-0.44	-3.34	8.99e-04	5.72e-05	2.02e-05
3423	75	0.01	0.56	-1.82	4.65e-04	1.16e-05	1.80e-05
3423	80	3.59e-03	-0.29	-2.36	6.39e-04	3.15e-05	1.45e-05
3423	98	4.25e-03	0.03	-1.91	5.14e-04	1.23e-05	1.40e-05
3423	103	5.44e-03	0.13	-1.80	4.80e-04	6.34e-06	1.42e-05
3423	107	4.02e-03	0.03	-1.83	4.95e-04	6.76e-06	1.35e-05
3423	108	2.60	2.67	-0.98	1.70e-04	4.88e-04	-2.71e-04
3423	127	-1.86	-4.53	-3.52	1.15e-03	-3.12e-04	-1.54e-05
3423	136	-0.66	4.83	-0.21	-2.15e-04	-1.12e-04	-2.04e-04
3423	140	2.92	3.00	-0.87	1.29e-04	5.48e-04	-3.07e-04
3423	159	-2.10	-5.09	-3.73	1.23e-03	-3.51e-04	-1.96e-05
3423	168	-0.74	5.43	-1.99e-03	-3.04e-04	-1.27e-04	-2.32e-04
3423	172	2.76	2.96	-0.88	1.38e-04	5.27e-04	-3.05e-04
3423	191	-2.00	-5.00	-3.69	1.22e-03	-3.38e-04	-2.21e-05
3423	200	-0.75	5.40	-0.02	-2.94e-04	-1.27e-04	-2.36e-04
3423	204	3.15	3.45	-0.71	8.04e-05	6.07e-04	-3.59e-04
3423	227	-2.04	-5.85	-4.00	1.34e-03	-3.44e-04	-1.85e-05
3423	232	-0.88	6.30	0.29	-4.25e-04	-1.48e-04	-2.84e-04
3424	4	0.09	0.58	-2.99	-3.19e-05	0.0	-1.03e-04
3424	28	0.08	-0.65	-3.32	1.75e-04	0.0	4.70e-05
3424	44	0.07	-1.04	-3.08	2.31e-04	0.0	8.08e-05
3424	68	0.07	0.39	-2.13	-1.83e-05	0.0	-6.86e-05
3424	80	0.06	-0.43	-2.35	1.20e-04	0.0	3.14e-05
3424	88	0.05	-0.70	-2.18	1.57e-04	0.0	5.39e-05
3424	98	0.05	-0.03	-1.91	4.59e-05	0.0	-1.21e-06
3424	105	0.05	-0.16	-1.86	6.54e-05	0.0	9.98e-06
3424	107	0.05	-0.02	-1.83	4.38e-05	0.0	-1.07e-06
3424	108	3.10	3.10	-0.97	-4.14e-04	0.0	-4.01e-04
3424	127	-2.13	-5.55	-3.50	9.48e-04	0.0	-1.37e-05
3424	139	0.82	-5.85	-3.45	1.03e-03	0.0	2.68e-04
3424	140	3.48	3.50	-0.87	-4.71e-04	0.0	-4.51e-04
3424	159	-2.40	-6.23	-3.71	1.06e-03	0.0	-1.57e-05
3424	171	0.91	-6.58	-3.66	1.15e-03	0.0	3.04e-04
3424	172	3.30	3.45	-0.87	-4.61e-04	0.0	-4.53e-04
3424	191	-2.29	-6.12	-3.68	1.04e-03	0.0	-1.81e-05
3424	203	0.93	-6.53	-3.64	1.14e-03	0.0	3.14e-04
3424	204	3.77	4.03	-0.71	-5.43e-04	0.0	-5.34e-04
3424	227	-2.33	-7.15	-3.98	1.21e-03	0.0	-2.34e-05
3424	235	1.07	-7.63	-3.95	1.32e-03	0.0	3.78e-04
3425	4	0.13	0.59	-2.99	-1.52e-05	0.0	-1.02e-04
3425	28	0.12	-0.73	-3.32	1.57e-04	0.0	4.74e-05
3425	44	0.10	-1.16	-3.08	2.05e-04	0.0	8.10e-05
3425	68	0.09	0.39	-2.12	-7.46e-06	0.0	-6.79e-05
3425	80	0.08	-0.49	-2.35	1.07e-04	0.0	3.16e-05
3425	88	0.07	-0.77	-2.18	1.39e-04	0.0	5.40e-05
3425	98	0.07	-0.05	-1.91	4.19e-05	0.0	-1.03e-06
3425	105	0.07	-0.19	-1.86	5.90e-05	0.0	1.01e-05
3425	107	0.07	-0.05	-1.83	4.01e-05	0.0	0.0
3425	108	3.84	3.31	-0.97	-4.11e-04	0.0	-4.16e-04
3425	127	-2.60	-6.03	-3.50	9.21e-04	0.0	-1.37e-05
3425	139	1.01	-6.38	-3.45	1.02e-03	0.0	2.82e-04
3425	140	4.31	3.74	-0.86	-4.67e-04	0.0	-4.69e-04
3425	159	-2.93	-6.78	-3.71	1.03e-03	0.0	-1.58e-05
3425	171	1.13	-7.18	-3.66	1.14e-03	0.0	3.19e-04
3425	172	4.09	3.69	-0.87	-4.54e-04	0.0	-4.71e-04
3425	191	-2.80	-6.66	-3.68	1.01e-03	0.0	-1.84e-05
3425	203	1.14	-7.13	-3.64	1.13e-03	0.0	3.30e-04
3425	204	4.67	4.31	-0.71	-5.32e-04	0.0	-5.54e-04
3425	227	-2.85	-7.77	-3.98	1.17e-03	0.0	-2.24e-05
3425	235	1.32	-8.32	-3.94	1.31e-03	0.0	3.97e-04
3426	4	0.16	0.60	-2.99	2.50e-06	0.0	-8.79e-05
3426	28	0.16	-0.81	-3.32	1.44e-04	0.0	4.26e-05
3426	44	0.14	-1.26	-3.08	1.86e-04	0.0	7.18e-05
3426	68	0.12	0.39	-2.12	4.23e-06	0.0	-5.86e-05
3426	80	0.11	-0.55	-2.34	9.89e-05	0.0	2.85e-05
3426	88	0.10	-0.84	-2.18	1.27e-04	0.0	4.79e-05
3426	98	0.09	-0.07	-1.90	4.06e-05	0.0	0.0
3426	105	0.09	-0.22	-1.86	5.54e-05	0.0	9.44e-06
3426	107	0.09	-0.07	-1.83	3.87e-05	0.0	0.0
3426	108	4.61	3.52	-0.97	6.92e-06	0.0	-4.16e-04
3426	127	-3.10	-6.50	-3.50	7.71e-04	0.0	-1.43e-05

3426	139	1.21	-6.91	-3.45	1.01e-03	0.0	2.91e-04
3426	140	5.18	3.97	-0.87	3.17e-06	0.0	-4.69e-04
3426	159	-3.49	-7.31	-3.71	8.62e-04	0.0	-1.67e-05
3426	171	1.36	-7.78	-3.65	1.13e-03	0.0	3.30e-04
3426	172	4.93	3.91	-0.87	-1.35e-06	0.0	-4.70e-04
3426	191	-3.34	-7.17	-3.68	8.47e-04	0.0	-1.97e-05
3426	203	1.37	-7.71	-3.63	1.11e-03	0.0	3.40e-04
3426	204	5.63	4.57	-0.71	-9.77e-06	0.0	-5.53e-04
3426	227	-3.40	-8.38	-3.98	1.14e-03	0.0	-1.96e-05
3426	235	1.58	-9.00	-3.94	1.29e-03	0.0	4.09e-04
3427	4	0.20	0.68	-2.97	7.71e-05	0.0	-1.02e-04
3427	28	0.19	-0.92	-3.30	1.08e-04	0.0	5.07e-05
3427	44	0.17	-1.42	-3.07	1.24e-04	0.0	8.44e-05
3427	68	0.14	0.45	-2.12	5.38e-05	0.0	-6.78e-05
3427	80	0.14	-0.62	-2.34	7.43e-05	0.0	3.38e-05
3427	88	0.12	-0.95	-2.18	8.51e-05	0.0	5.62e-05
3427	98	0.11	-0.09	-1.91	4.06e-05	0.0	0.0
3427	105	0.11	-0.26	-1.87	4.70e-05	0.0	1.13e-05
3427	107	0.11	-0.08	-1.83	3.87e-05	0.0	0.0
3427	108	5.36	4.07	-0.53	8.05e-05	0.0	-4.15e-04
3427	127	-3.58	-7.05	-3.81	6.84e-04	0.0	-2.06e-05
3427	139	1.41	-7.55	-3.36	8.52e-04	0.0	3.03e-04
3427	140	6.01	4.60	-0.37	8.58e-05	0.0	-4.68e-04
3427	159	-4.03	-7.92	-4.06	7.64e-04	0.0	-2.38e-05
3427	171	1.57	-8.49	-3.55	9.54e-04	0.0	3.43e-04
3427	172	5.73	4.53	-0.38	7.32e-05	0.0	-4.67e-04
3427	191	-3.86	-7.77	-4.02	7.51e-04	0.0	-2.69e-05
3427	203	1.58	-8.44	-3.53	9.46e-04	0.0	3.51e-04
3427	204	6.54	5.30	-0.14	7.28e-05	0.0	-5.49e-04
3427	223	-4.45	-9.00	-4.38	8.66e-04	0.0	-3.47e-05
3427	235	1.82	-9.85	-3.82	1.10e-03	0.0	4.22e-04
3428	4	0.20	0.63	-2.99	5.11e-05	0.0	-9.33e-05
3428	28	0.19	-0.90	-3.32	1.22e-04	0.0	4.66e-05
3428	44	0.17	-1.38	-3.08	1.47e-04	0.0	7.75e-05
3428	68	0.14	0.42	-2.13	3.66e-05	0.0	-6.22e-05
3428	80	0.14	-0.61	-2.35	8.35e-05	0.0	3.11e-05
3428	88	0.12	-0.93	-2.19	1.00e-04	0.0	5.17e-05
3428	98	0.11	-0.09	-1.91	4.10e-05	0.0	0.0
3428	105	0.11	-0.25	-1.87	5.03e-05	0.0	1.04e-05
3428	107	0.11	-0.08	-1.83	3.90e-05	0.0	0.0
3428	108	5.36	3.89	-0.82	4.78e-05	0.0	-4.14e-04
3428	127	-3.58	-6.99	-3.62	7.13e-04	0.0	-2.08e-05
3428	139	1.41	-7.48	-3.41	9.93e-04	0.0	3.03e-04
3428	140	6.01	4.39	-0.69	4.90e-05	0.0	-4.67e-04
3428	159	-4.04	-7.85	-3.85	7.97e-04	0.0	-2.41e-05
3428	171	1.57	-8.41	-3.61	1.11e-03	0.0	3.42e-04
3428	172	5.73	4.33	-0.70	3.97e-05	0.0	-4.66e-04
3428	191	-3.86	-7.71	-3.81	7.83e-04	0.0	-2.72e-05
3428	203	1.59	-8.35	-3.59	1.10e-03	0.0	3.51e-04
3428	204	6.55	5.06	-0.51	3.55e-05	0.0	-5.47e-04
3428	223	-4.46	-8.93	-4.14	9.03e-04	0.0	-3.50e-05
3428	235	1.83	-9.74	-3.89	1.27e-03	0.0	4.21e-04
3429	4	0.24	0.62	-2.97	1.10e-04	0.0	-6.04e-05
3429	28	0.23	-0.97	-3.30	9.03e-05	0.0	2.69e-05
3429	44	0.21	-1.47	-3.07	9.48e-05	0.0	4.62e-05
3429	68	0.17	0.41	-2.12	7.58e-05	0.0	-4.04e-05
3429	80	0.17	-0.65	-2.34	6.25e-05	0.0	1.78e-05
3429	88	0.15	-0.98	-2.18	6.56e-05	0.0	3.07e-05
3429	98	0.14	-0.11	-1.91	4.02e-05	0.0	-1.35e-06
3429	105	0.13	-0.28	-1.87	4.27e-05	0.0	5.09e-06
3429	107	0.13	-0.10	-1.83	3.82e-05	0.0	-1.32e-06
3429	108	6.13	4.26	-0.55	8.76e-05	0.0	-4.14e-04
3429	127	-4.07	-7.45	-3.80	6.61e-04	0.0	-3.55e-05
3429	139	1.61	-8.04	-3.36	8.31e-04	0.0	3.14e-04
3429	140	6.88	4.80	-0.39	9.39e-05	0.0	-4.66e-04
3429	159	-4.59	-8.36	-4.04	7.38e-04	0.0	-4.05e-05
3429	171	1.80	-9.04	-3.55	9.30e-04	0.0	3.55e-04
3429	172	6.56	4.73	-0.41	8.04e-05	0.0	-4.63e-04
3429	191	-4.39	-8.20	-4.01	7.26e-04	0.0	-4.36e-05
3429	203	1.81	-8.98	-3.53	9.23e-04	0.0	3.61e-04
3429	204	7.50	5.53	-0.17	8.08e-05	0.0	-5.42e-04
3429	223	-5.07	-9.50	-4.36	8.37e-04	0.0	-5.41e-05
3429	235	2.09	-10.48	-3.82	1.07e-03	0.0	4.32e-04
3430	4	0.24	0.60	-2.99	7.80e-05	0.0	-5.43e-05
3430	28	0.23	-0.96	-3.32	1.09e-04	0.0	2.40e-05

3430	44	0.20	-1.45	-3.08	1.25e-04	0.0	4.13e-05
3430	68	0.17	0.39	-2.13	5.44e-05	0.0	-3.64e-05
3430	80	0.16	-0.65	-2.35	7.52e-05	0.0	1.58e-05
3430	88	0.15	-0.97	-2.19	8.56e-05	0.0	2.74e-05
3430	98	0.14	-0.11	-1.91	4.14e-05	0.0	-1.31e-06
3430	105	0.13	-0.28	-1.87	4.76e-05	0.0	4.46e-06
3430	107	0.13	-0.10	-1.83	3.93e-05	0.0	-1.29e-06
3430	108	6.12	4.07	-0.82	5.12e-05	0.0	-4.13e-04
3430	127	-4.06	-7.40	-3.62	6.93e-04	0.0	-3.61e-05
3430	139	1.60	-7.96	-3.41	9.67e-04	0.0	3.14e-04
3430	140	6.86	4.60	-0.69	5.28e-05	0.0	-4.65e-04
3430	159	-4.58	-8.31	-3.85	7.74e-04	0.0	-4.12e-05
3430	171	1.79	-8.95	-3.61	1.08e-03	0.0	3.56e-04
3430	172	6.54	4.53	-0.70	4.32e-05	0.0	-4.62e-04
3430	191	-4.39	-8.16	-3.81	7.61e-04	0.0	-4.42e-05
3430	203	1.81	-8.88	-3.59	1.07e-03	0.0	3.61e-04
3430	204	7.48	5.29	-0.51	3.93e-05	0.0	-5.40e-04
3430	223	-5.06	-9.45	-4.14	8.77e-04	0.0	-5.49e-05
3430	235	2.08	-10.37	-3.89	1.24e-03	0.0	4.32e-04
3431	4	0.27	0.55	-2.98	-3.66e-04	2.83e-05	-3.26e-06
3431	28	0.26	-1.00	-3.31	3.76e-04	3.16e-05	-8.08e-06
3431	44	0.23	-1.50	-3.07	5.38e-04	2.00e-05	-8.70e-06
3431	68	0.19	0.36	-2.12	-2.41e-04	1.54e-05	-2.50e-06
3431	80	0.18	-0.68	-2.34	2.54e-04	1.76e-05	-5.72e-06
3431	88	0.16	-1.00	-2.18	3.62e-04	9.83e-06	-6.13e-06
3431	98	0.15	-0.13	-1.91	6.32e-05	5.28e-06	-3.93e-06
3431	105	0.14	-0.30	-1.87	1.19e-04	2.79e-06	-4.20e-06
3431	107	0.14	-0.12	-1.83	6.01e-05	2.52e-06	-3.80e-06
3431	108	6.57	4.44	-0.59	7.62e-05	6.29e-04	-4.20e-04
3431	127	-4.36	-7.84	-3.78	5.56e-04	-4.33e-04	-5.48e-05
3431	139	1.72	-8.52	-3.37	7.90e-04	1.46e-04	3.28e-04
3431	140	7.38	5.01	-0.44	7.84e-05	7.07e-04	-4.72e-04
3431	159	-4.92	-8.80	-4.02	6.18e-04	-4.87e-04	-6.18e-05
3431	171	1.92	-9.57	-3.56	8.81e-04	1.64e-04	3.71e-04
3431	172	7.04	4.92	-0.45	7.43e-05	6.77e-04	-4.65e-04
3431	191	-4.71	-8.63	-3.99	6.06e-04	-4.68e-04	-6.47e-05
3431	203	1.94	-9.50	-3.54	8.70e-04	1.64e-04	3.74e-04
3431	204	8.04	5.75	-0.22	7.53e-05	7.79e-04	-5.42e-04
3431	223	-5.44	-9.99	-4.33	6.93e-04	-5.40e-04	-7.85e-05
3431	235	2.23	-11.09	-3.83	1.00e-03	1.90e-04	4.46e-04
3432	4	0.26	0.55	-2.99	-1.93e-04	1.59e-05	-4.92e-06
3432	28	0.26	-1.01	-3.32	3.06e-04	1.79e-05	-7.63e-06
3432	44	0.23	-1.50	-3.08	4.14e-04	5.30e-06	-7.70e-06
3432	68	0.19	0.36	-2.13	-1.24e-04	5.48e-06	-3.61e-06
3432	80	0.18	-0.68	-2.35	2.08e-04	6.80e-06	-5.42e-06
3432	88	0.16	-1.01	-2.19	2.80e-04	-1.57e-06	-5.47e-06
3432	98	0.15	-0.13	-1.91	7.07e-05	-5.46e-06	-4.08e-06
3432	105	0.14	-0.30	-1.87	1.08e-04	-8.20e-06	-4.17e-06
3432	107	0.14	-0.12	-1.83	6.73e-05	-8.36e-06	-3.95e-06
3432	108	6.57	4.25	-0.83	6.25e-05	6.08e-04	-4.20e-04
3432	127	-4.36	-7.81	-3.62	5.37e-04	-4.36e-04	-5.47e-05
3432	139	1.72	-8.43	-3.41	7.26e-04	1.31e-04	3.28e-04
3432	140	7.38	4.80	-0.70	6.21e-05	6.85e-04	-4.73e-04
3432	159	-4.92	-8.76	-3.84	5.96e-04	-4.89e-04	-6.17e-05
3432	171	1.92	-9.48	-3.61	8.09e-04	1.49e-04	3.71e-04
3432	172	7.04	4.72	-0.71	5.92e-05	6.56e-04	-4.65e-04
3432	191	-4.71	-8.60	-3.81	5.85e-04	-4.71e-04	-6.46e-05
3432	203	1.94	-9.40	-3.59	7.98e-04	1.49e-04	3.74e-04
3432	204	8.05	5.52	-0.52	5.69e-05	7.56e-04	-5.42e-04
3432	223	-5.43	-9.95	-4.13	6.68e-04	-5.42e-04	-7.84e-05
3432	235	2.23	-10.97	-3.89	9.19e-04	1.73e-04	4.46e-04
3433	4	0.20	0.59	-2.99	2.10e-05	0.0	-6.74e-05
3433	28	0.19	-0.88	-3.32	1.38e-04	0.0	3.34e-05
3433	44	0.17	-1.35	-3.07	1.73e-04	0.0	5.57e-05
3433	68	0.14	0.39	-2.12	1.65e-05	0.0	-4.49e-05
3433	80	0.13	-0.59	-2.34	9.42e-05	0.0	2.22e-05
3433	88	0.12	-0.90	-2.18	1.18e-04	0.0	3.71e-05
3433	98	0.11	-0.09	-1.90	4.15e-05	0.0	0.0
3433	105	0.11	-0.25	-1.86	5.42e-05	0.0	7.43e-06
3433	107	0.11	-0.08	-1.82	3.95e-05	0.0	0.0
3433	108	5.36	3.71	-0.97	1.22e-05	0.0	-4.11e-04
3433	127	-3.58	-6.94	-3.50	7.48e-04	0.0	-2.21e-05
3433	139	1.41	-7.41	-3.45	9.82e-04	0.0	3.02e-04
3433	140	6.02	4.19	-0.87	9.03e-06	0.0	-4.63e-04
3433	159	-4.04	-7.79	-3.70	8.36e-04	0.0	-2.56e-05

3433	171	1.57	-8.33	-3.65	1.10e-03	0.0	3.41e-04
3433	172	5.73	4.12	-0.87	3.80e-06	0.0	-4.62e-04
3433	191	-3.86	-7.65	-3.67	8.21e-04	0.0	-2.87e-05
3433	203	1.59	-8.26	-3.63	1.09e-03	0.0	3.49e-04
3433	204	6.55	4.82	-0.71	-4.32e-06	0.0	-5.42e-04
3433	227	-3.93	-8.93	-3.97	1.10e-03	0.0	-2.47e-05
3433	235	1.83	-9.64	-3.93	1.26e-03	0.0	4.19e-04
3434	4	0.24	0.58	-2.99	4.01e-05	0.0	-3.98e-05
3434	28	0.23	-0.95	-3.32	1.32e-04	0.0	1.67e-05
3434	44	0.20	-1.43	-3.07	1.61e-04	0.0	2.94e-05
3434	68	0.17	0.38	-2.12	2.93e-05	0.0	-2.67e-05
3434	80	0.16	-0.64	-2.34	9.07e-05	0.0	1.10e-05
3434	88	0.14	-0.96	-2.18	1.10e-04	0.0	1.95e-05
3434	98	0.13	-0.11	-1.90	4.31e-05	0.0	-1.30e-06
3434	105	0.13	-0.27	-1.86	5.37e-05	0.0	2.90e-06
3434	107	0.13	-0.10	-1.82	4.10e-05	0.0	-1.27e-06
3434	108	6.10	3.89	-0.97	1.38e-05	0.0	-4.10e-04
3434	127	-4.06	-7.36	-3.49	7.30e-04	0.0	-3.91e-05
3434	139	1.60	-7.89	-3.44	9.53e-04	0.0	3.15e-04
3434	140	6.85	4.39	-0.87	1.06e-05	0.0	-4.62e-04
3434	159	-4.57	-8.27	-3.70	8.15e-04	0.0	-4.45e-05
3434	171	1.79	-8.87	-3.65	1.07e-03	0.0	3.57e-04
3434	172	6.53	4.32	-0.87	5.73e-06	0.0	-4.57e-04
3434	191	-4.38	-8.11	-3.67	8.01e-04	0.0	-4.74e-05
3434	203	1.80	-8.80	-3.63	1.05e-03	0.0	3.61e-04
3434	204	7.46	5.05	-0.71	-2.14e-06	0.0	-5.34e-04
3434	227	-4.45	-9.47	-3.97	1.08e-03	0.0	-4.13e-05
3434	235	2.07	-10.26	-3.93	1.22e-03	0.0	4.32e-04
3435	4	0.26	0.54	-2.99	-7.70e-06	7.62e-06	-5.13e-06
3435	28	0.26	-1.01	-3.32	2.92e-04	9.09e-06	-6.70e-06
3435	44	0.23	-1.50	-3.07	3.51e-04	-4.94e-06	-6.46e-06
3435	68	0.19	0.36	-2.12	2.08e-06	-1.41e-06	-3.71e-06
3435	80	0.18	-0.68	-2.34	2.02e-04	0.0	-4.76e-06
3435	88	0.16	-1.01	-2.18	2.41e-04	-9.78e-06	-4.60e-06
3435	98	0.15	-0.13	-1.90	1.05e-04	-1.31e-05	-3.75e-06
3435	105	0.14	-0.30	-1.86	1.27e-04	-1.62e-05	-3.73e-06
3435	107	0.14	-0.13	-1.82	1.00e-04	-1.63e-05	-3.61e-06
3435	108	6.57	4.07	-0.97	7.58e-05	5.86e-04	-4.21e-04
3435	127	-4.36	-7.78	-3.49	5.48e-04	-4.34e-04	-5.34e-05
3435	139	1.72	-8.35	-3.44	6.90e-04	1.19e-04	3.29e-04
3435	140	7.38	4.60	-0.87	7.29e-05	6.61e-04	-4.74e-04
3435	159	-4.91	-8.73	-3.70	6.03e-04	-4.86e-04	-6.03e-05
3435	171	1.92	-9.39	-3.64	7.63e-04	1.36e-04	3.72e-04
3435	172	7.04	4.52	-0.87	7.13e-05	6.33e-04	-4.66e-04
3435	191	-4.71	-8.57	-3.67	5.93e-04	-4.69e-04	-6.31e-05
3435	203	1.94	-9.31	-3.62	7.55e-04	1.36e-04	3.75e-04
3435	204	8.05	5.28	-0.71	6.59e-05	7.31e-04	-5.43e-04
3435	227	-4.78	-10.00	-3.97	7.66e-04	-4.79e-04	-5.65e-05
3435	235	2.23	-10.85	-3.93	8.63e-04	1.60e-04	4.48e-04
3436	4	0.05	0.56	-3.05	-4.62e-05	0.0	6.47e-05
3436	15	0.04	0.94	-1.58	-1.76e-04	0.0	1.07e-04
3436	28	0.04	-0.55	-3.39	1.97e-04	0.0	-3.30e-05
3436	68	0.04	0.37	-2.17	-2.76e-05	0.0	4.31e-05
3436	72	0.03	0.63	-1.19	-1.14e-04	0.0	7.15e-05
3436	80	0.03	-0.37	-2.39	1.34e-04	0.0	-2.20e-05
3436	98	0.03	5.05e-04	-1.94	5.14e-05	0.0	0.0
3436	102	0.02	0.13	-1.34	5.08e-06	0.0	1.41e-05
3436	103	0.03	0.13	-1.82	1.92e-05	0.0	1.42e-05
3436	106	0.02	2.67e-03	-1.37	3.49e-05	0.0	0.0
3436	107	0.03	8.15e-04	-1.86	4.90e-05	0.0	0.0
3436	108	2.80	2.59	-1.81	-6.54e-06	0.0	-3.34e-04
3436	133	1.98	-4.49	-3.66	1.05e-03	0.0	1.78e-05
3436	136	-0.68	5.23	-0.28	-8.42e-04	0.0	-2.38e-04
3436	140	3.15	2.92	-1.81	-1.34e-05	0.0	-3.76e-04
3436	165	2.22	-5.05	-3.88	1.18e-03	0.0	2.05e-05
3436	168	-0.77	5.89	-0.08	-9.54e-04	0.0	-2.70e-04
3436	172	2.98	2.88	-1.79	-2.02e-05	0.0	-3.77e-04
3436	197	2.12	-5.00	-3.85	1.16e-03	0.0	2.23e-05
3436	200	-0.78	5.83	-0.10	-9.44e-04	0.0	-2.77e-04
3436	204	3.40	3.35	-1.77	-3.52e-05	0.0	-4.43e-04
3436	229	2.43	-5.82	-4.17	1.34e-03	0.0	2.80e-05
3436	232	-0.92	6.81	0.19	-1.11e-03	0.0	-3.32e-04
3437	18	0.02	0.84	-2.58	6.56e-04	9.61e-05	-1.54e-05
3437	28	5.61e-03	-0.44	-3.40	9.17e-04	8.77e-05	-2.36e-05
3437	75	0.01	0.56	-1.86	4.78e-04	7.56e-05	-1.13e-05

3437	80	3.88e-03	-0.29	-2.40	6.52e-04	7.00e-05	-1.68e-05
3437	98	4.04e-03	0.03	-1.95	5.25e-04	7.22e-05	-1.34e-05
3437	103	5.07e-03	0.14	-1.83	4.92e-04	7.38e-05	-1.24e-05
3437	107	3.78e-03	0.03	-1.87	5.07e-04	7.35e-05	-1.29e-05
3437	108	2.60	2.41	-1.82	2.06e-04	5.10e-04	-3.00e-04
3437	133	1.84	-3.99	-3.67	1.13e-03	3.61e-04	1.14e-05
3437	136	-0.66	4.73	-0.29	-1.92e-04	-1.49e-05	-2.34e-04
3437	140	2.93	2.71	-1.81	1.68e-04	5.65e-04	-3.36e-04
3437	165	2.06	-4.49	-3.89	1.21e-03	3.97e-04	1.49e-05
3437	168	-0.75	5.32	-0.09	-2.79e-04	-2.60e-05	-2.62e-04
3437	172	2.76	2.68	-1.80	1.76e-04	5.50e-04	-3.33e-04
3437	197	1.97	-4.44	-3.86	1.20e-03	3.87e-04	1.69e-05
3437	200	-0.76	5.28	-0.10	-2.69e-04	-2.47e-05	-2.66e-04
3437	204	3.15	3.12	-1.77	1.24e-04	6.24e-04	-3.88e-04
3437	229	2.26	-5.17	-4.18	1.32e-03	4.36e-04	2.44e-05
3437	232	-0.88	6.16	0.19	-3.97e-04	-3.91e-05	-3.16e-04
3438	4	0.09	0.58	-3.05	-3.08e-05	0.0	1.07e-04
3438	28	0.08	-0.65	-3.38	1.75e-04	0.0	-5.00e-05
3438	44	0.07	-1.05	-3.13	2.30e-04	0.0	-8.55e-05
3438	68	0.06	0.39	-2.17	-1.76e-05	0.0	7.18e-05
3438	80	0.06	-0.43	-2.39	1.20e-04	0.0	-3.32e-05
3438	88	0.05	-0.70	-2.22	1.57e-04	0.0	-5.68e-05
3438	98	0.05	-0.03	-1.94	4.62e-05	0.0	1.83e-06
3438	105	0.05	-0.16	-1.90	6.56e-05	0.0	-9.97e-06
3438	107	0.05	-0.02	-1.86	4.41e-05	0.0	1.79e-06
3438	108	3.10	2.78	-1.81	-2.72e-05	0.0	-3.88e-04
3438	133	2.19	-4.98	-3.66	1.02e-03	0.0	2.62e-05
3438	139	0.82	-5.77	-3.44	1.02e-03	0.0	2.76e-04
3438	140	3.48	3.13	-1.80	-3.59e-05	0.0	-4.37e-04
3438	165	2.45	-5.60	-3.88	1.15e-03	0.0	2.96e-05
3438	171	0.92	-6.49	-3.64	1.15e-03	0.0	3.12e-04
3438	172	3.30	3.08	-1.78	-3.95e-05	0.0	-4.38e-04
3438	197	2.34	-5.54	-3.85	1.13e-03	0.0	3.10e-05
3438	203	0.93	-6.43	-3.62	1.13e-03	0.0	3.20e-04
3438	204	3.76	3.59	-1.76	-5.50e-05	0.0	-5.16e-04
3438	229	2.69	-6.45	-4.17	1.31e-03	0.0	3.74e-05
3438	235	1.07	-7.51	-3.91	1.31e-03	0.0	3.83e-04
3439	4	0.13	0.59	-3.05	-1.39e-05	0.0	1.05e-04
3439	28	0.12	-0.74	-3.38	1.57e-04	0.0	-5.09e-05
3439	44	0.10	-1.16	-3.13	2.05e-04	0.0	-8.55e-05
3439	68	0.09	0.39	-2.16	-6.56e-06	0.0	7.00e-05
3439	80	0.08	-0.49	-2.39	1.08e-04	0.0	-3.38e-05
3439	88	0.07	-0.78	-2.22	1.40e-04	0.0	-5.69e-05
3439	98	0.07	-0.05	-1.94	4.26e-05	0.0	0.0
3439	105	0.07	-0.19	-1.90	5.95e-05	0.0	-1.06e-05
3439	107	0.07	-0.05	-1.86	4.07e-05	0.0	0.0
3439	108	3.84	2.98	-1.81	-3.76e-04	0.0	-4.05e-04
3439	133	2.70	-5.45	-3.65	8.90e-04	0.0	2.39e-05
3439	139	1.01	-6.30	-3.44	9.92e-04	0.0	2.86e-04
3439	140	4.31	3.36	-1.80	-4.28e-04	0.0	-4.56e-04
3439	165	3.03	-6.13	-3.88	9.97e-04	0.0	2.73e-05
3439	171	1.13	-7.08	-3.63	1.11e-03	0.0	3.24e-04
3439	172	4.09	3.30	-1.78	-4.18e-04	0.0	-4.58e-04
3439	197	2.90	-6.06	-3.85	9.86e-04	0.0	2.91e-05
3439	203	1.14	-7.01	-3.62	1.10e-03	0.0	3.32e-04
3439	204	4.68	3.85	-1.76	-4.91e-04	0.0	-5.39e-04
3439	229	3.32	-7.05	-4.17	1.14e-03	0.0	3.56e-05
3439	235	1.32	-8.18	-3.91	1.27e-03	0.0	3.97e-04
3440	4	0.16	0.60	-3.05	4.08e-06	0.0	8.89e-05
3440	28	0.16	-0.81	-3.38	1.46e-04	0.0	-4.73e-05
3440	44	0.14	-1.26	-3.13	1.87e-04	0.0	-7.70e-05
3440	68	0.12	0.39	-2.16	5.39e-06	0.0	5.93e-05
3440	80	0.11	-0.55	-2.39	9.97e-05	0.0	-3.15e-05
3440	88	0.10	-0.84	-2.22	1.27e-04	0.0	-5.13e-05
3440	98	0.09	-0.07	-1.94	4.16e-05	0.0	0.0
3440	105	0.09	-0.22	-1.90	5.63e-05	0.0	-1.08e-05
3440	107	0.09	-0.07	-1.86	3.97e-05	0.0	0.0
3440	108	4.61	3.17	-1.81	-3.70e-04	0.0	-4.09e-04
3440	133	3.24	-5.91	-3.65	8.63e-04	0.0	2.00e-05
3440	139	1.21	-6.81	-3.43	9.62e-04	0.0	2.88e-04
3440	140	5.18	3.58	-1.80	-4.22e-04	0.0	-4.60e-04
3440	165	3.63	-6.64	-3.88	9.66e-04	0.0	2.32e-05
3440	171	1.36	-7.65	-3.63	1.08e-03	0.0	3.26e-04
3440	172	4.93	3.52	-1.78	-4.14e-04	0.0	-4.61e-04
3440	197	3.48	-6.57	-3.84	9.54e-04	0.0	2.56e-05

3440	203	1.37	-7.58	-3.61	1.07e-03	0.0	3.35e-04
3440	204	5.63	4.11	-1.76	-4.88e-04	0.0	-5.42e-04
3440	229	3.99	-7.64	-4.16	1.10e-03	0.0	3.25e-05
3440	235	1.58	-8.84	-3.90	1.24e-03	0.0	4.02e-04
3441	4	0.05	0.60	-3.10	-1.09e-04	0.0	9.29e-05
3441	15	0.04	1.01	-1.63	-2.72e-04	0.0	1.56e-04
3441	28	0.04	-0.57	-3.44	2.15e-04	0.0	-5.05e-05
3441	68	0.04	0.40	-2.21	-7.02e-05	0.0	6.17e-05
3441	72	0.03	0.67	-1.22	-1.79e-04	0.0	1.04e-04
3441	80	0.03	-0.38	-2.43	1.46e-04	0.0	-3.39e-05
3441	98	0.03	-1.03e-04	-1.98	4.57e-05	0.0	-1.58e-06
3441	102	0.02	0.14	-1.37	-1.12e-05	0.0	1.97e-05
3441	103	0.03	0.13	-1.86	1.74e-06	0.0	1.96e-05
3441	106	0.02	2.08e-03	-1.41	3.06e-05	0.0	-1.44e-06
3441	107	0.03	2.09e-04	-1.90	4.36e-05	0.0	-1.56e-06
3441	108	2.80	2.46	-2.01	3.75e-06	0.0	-3.26e-04
3441	133	1.98	-4.54	-3.82	1.09e-03	0.0	1.77e-05
3441	136	-0.68	5.19	-0.26	-8.80e-04	0.0	-2.38e-04
3441	140	3.15	2.77	-2.03	-1.20e-06	0.0	-3.67e-04
3441	165	2.22	-5.11	-4.06	1.22e-03	0.0	2.05e-05
3441	168	-0.77	5.85	-0.06	-9.96e-04	0.0	-2.68e-04
3441	172	2.98	2.72	-2.00	-1.22e-05	0.0	-3.67e-04
3441	197	2.12	-5.05	-4.02	1.20e-03	0.0	2.20e-05
3441	200	-0.78	5.79	-0.07	-9.87e-04	0.0	-2.74e-04
3441	204	3.40	3.17	-2.00	-2.74e-05	0.0	-4.31e-04
3441	229	2.43	-5.88	-4.36	1.39e-03	0.0	2.78e-05
3441	232	-0.92	6.76	0.24	-1.16e-03	0.0	-3.28e-04
3442	18	0.02	0.83	-2.63	6.56e-04	1.10e-04	-1.07e-05
3442	28	6.30e-03	-0.45	-3.44	9.18e-04	1.04e-04	-2.10e-05
3442	75	0.01	0.56	-1.89	4.78e-04	8.51e-05	-8.01e-06
3442	80	4.33e-03	-0.30	-2.43	6.52e-04	8.14e-05	-1.49e-05
3442	98	4.22e-03	0.02	-1.98	5.26e-04	8.22e-05	-1.13e-05
3442	103	5.16e-03	0.13	-1.86	4.92e-04	8.32e-05	-1.02e-05
3442	107	3.93e-03	0.02	-1.90	5.07e-04	8.30e-05	-1.09e-05
3442	108	2.60	2.28	-2.01	2.19e-04	3.96e-04	-2.97e-04
3442	133	1.84	-4.01	-3.82	1.14e-03	2.86e-04	1.27e-05
3442	136	-0.66	4.67	-0.26	-1.84e-04	2.47e-05	-2.30e-04
3442	140	2.93	2.56	-2.03	1.83e-04	4.35e-04	-3.33e-04
3442	165	2.07	-4.52	-4.06	1.21e-03	3.11e-04	1.61e-05
3442	168	-0.75	5.25	-0.06	-2.71e-04	1.75e-05	-2.59e-04
3442	172	2.76	2.53	-2.00	1.90e-04	4.27e-04	-3.30e-04
3442	197	1.97	-4.47	-4.02	1.21e-03	3.05e-04	1.80e-05
3442	200	-0.76	5.21	-0.07	-2.60e-04	1.89e-05	-2.63e-04
3442	204	3.15	2.95	-2.00	1.40e-04	4.82e-04	-3.85e-04
3442	229	2.26	-5.20	-4.36	1.32e-03	3.41e-04	2.52e-05
3442	232	-0.89	6.07	0.23	-3.87e-04	1.00e-05	-3.12e-04
3443	4	0.09	0.65	-3.10	-5.71e-05	0.0	1.66e-04
3443	19	0.05	1.14	-1.05	-1.95e-04	0.0	2.72e-04
3443	28	0.08	-0.68	-3.44	1.85e-04	0.0	-7.84e-05
3443	68	0.06	0.43	-2.21	-3.53e-05	0.0	1.11e-04
3443	72	0.04	0.76	-1.22	-1.18e-04	0.0	1.82e-04
3443	80	0.06	-0.46	-2.43	1.26e-04	0.0	-5.21e-05
3443	98	0.05	-0.02	-1.98	4.48e-05	0.0	2.08e-06
3443	105	0.05	-0.16	-1.93	6.68e-05	0.0	-1.62e-05
3443	107	0.05	-0.02	-1.90	4.27e-05	0.0	2.01e-06
3443	108	3.08	2.64	-2.01	-3.23e-05	0.0	-3.71e-04
3443	133	2.18	-5.04	-3.82	1.03e-03	0.0	-2.75e-04
3443	139	0.81	-5.74	-3.53	9.32e-04	0.0	-3.24e-05
3443	140	3.46	2.97	-2.03	-4.16e-05	0.0	-4.18e-04
3443	165	2.44	-5.67	-4.06	1.16e-03	0.0	-3.11e-04
3443	171	0.91	-6.46	-3.74	1.04e-03	0.0	-3.64e-05
3443	172	3.28	2.92	-2.00	-4.77e-05	0.0	-4.19e-04
3443	197	2.33	-5.61	-4.02	1.14e-03	0.0	-3.13e-04
3443	203	0.92	-6.40	-3.73	1.03e-03	0.0	-3.27e-05
3443	204	3.74	3.40	-2.00	-6.60e-05	0.0	-4.94e-04
3443	229	2.67	-6.53	-4.36	1.32e-03	0.0	-3.70e-04
3443	235	1.07	-7.46	-4.03	1.19e-03	0.0	-3.53e-05
3444	4	0.13	0.66	-3.10	-8.14e-06	0.0	1.49e-04
3444	19	0.06	1.21	-1.05	-1.09e-04	0.0	2.46e-04
3444	28	0.12	-0.77	-3.44	1.57e-04	0.0	-7.18e-05
3444	68	0.09	0.44	-2.20	-2.68e-06	0.0	9.92e-05
3444	80	0.08	-0.51	-2.43	1.07e-04	0.0	-4.77e-05
3444	88	0.07	-0.81	-2.26	1.38e-04	0.0	-8.04e-05
3444	98	0.07	-0.05	-1.98	4.34e-05	0.0	1.33e-06
3444	105	0.07	-0.20	-1.93	5.98e-05	0.0	-1.50e-05

3444	107	0.07	-0.04	-1.90	4.14e-05	0.0	1.34e-06
3444	108	3.84	2.83	-2.01	-3.56e-04	0.0	-3.96e-04
3444	133	2.70	-5.52	-3.81	8.88e-04	0.0	2.77e-05
3444	139	1.01	-6.27	-3.53	9.78e-04	0.0	2.86e-04
3444	140	4.31	3.18	-2.02	-4.05e-04	0.0	-4.47e-04
3444	165	3.03	-6.20	-4.05	9.94e-04	0.0	3.13e-05
3444	171	1.13	-7.05	-3.74	1.10e-03	0.0	3.24e-04
3444	172	4.10	3.13	-1.99	-3.95e-04	0.0	-4.48e-04
3444	197	2.90	-6.14	-4.01	9.83e-04	0.0	3.26e-05
3444	203	1.14	-6.98	-3.73	1.08e-03	0.0	3.31e-04
3444	204	4.68	3.64	-1.98	-4.65e-04	0.0	-5.28e-04
3444	229	3.33	-7.14	-4.35	1.14e-03	0.0	3.94e-05
3444	235	1.32	-8.13	-4.03	1.26e-03	0.0	3.96e-04
3445	4	0.16	0.65	-3.10	2.62e-05	0.0	1.24e-04
3445	28	0.16	-0.84	-3.44	1.38e-04	0.0	-6.50e-05
3445	44	0.14	-1.31	-3.18	1.72e-04	0.0	-1.06e-04
3445	68	0.12	0.43	-2.20	2.02e-05	0.0	8.27e-05
3445	80	0.11	-0.57	-2.43	9.47e-05	0.0	-4.32e-05
3445	88	0.10	-0.88	-2.26	1.18e-04	0.0	-7.08e-05
3445	98	0.09	-0.07	-1.98	4.30e-05	0.0	0.0
3445	105	0.09	-0.23	-1.93	5.54e-05	0.0	-1.47e-05
3445	107	0.09	-0.07	-1.90	4.11e-05	0.0	0.0
3445	108	4.61	3.01	-2.00	-3.54e-04	0.0	-4.07e-04
3445	133	3.24	-5.97	-3.81	8.45e-04	0.0	2.15e-05
3445	139	1.21	-6.76	-3.53	9.34e-04	0.0	2.89e-04
3445	140	5.18	3.40	-2.02	-4.03e-04	0.0	-4.58e-04
3445	165	3.63	-6.71	-4.05	9.46e-04	0.0	2.49e-05
3445	171	1.36	-7.61	-3.73	1.05e-03	0.0	3.27e-04
3445	172	4.93	3.33	-1.98	-3.97e-04	0.0	-4.59e-04
3445	197	3.48	-6.63	-4.01	9.34e-04	0.0	2.70e-05
3445	203	1.37	-7.53	-3.72	1.04e-03	0.0	3.35e-04
3445	204	5.63	3.89	-1.98	-4.70e-04	0.0	-5.40e-04
3445	229	3.99	-7.71	-4.35	1.08e-03	0.0	3.39e-05
3445	235	1.58	-8.77	-4.03	1.20e-03	0.0	4.02e-04
3446	4	0.05	0.65	-3.15	-1.67e-04	0.0	1.06e-04
3446	19	0.03	1.08	-1.09	-3.76e-04	0.0	1.80e-04
3446	28	0.04	-0.60	-3.49	2.36e-04	0.0	-5.85e-05
3446	68	0.03	0.43	-2.25	-1.09e-04	0.0	7.04e-05
3446	72	0.02	0.72	-1.26	-2.40e-04	0.0	1.19e-04
3446	80	0.03	-0.40	-2.47	1.60e-04	0.0	-3.92e-05
3446	98	0.03	-1.20e-03	-2.02	4.25e-05	0.0	-2.16e-06
3446	102	0.02	0.15	-1.41	-2.55e-05	0.0	2.23e-05
3446	103	0.03	0.14	-1.90	-1.31e-05	0.0	2.21e-05
3446	106	0.02	1.13e-03	-1.45	2.81e-05	0.0	-1.91e-06
3446	107	0.02	-8.72e-04	-1.94	4.05e-05	0.0	-2.13e-06
3446	108	2.80	2.32	-2.18	2.23e-05	0.0	-3.24e-04
3446	133	1.98	-4.59	-3.95	1.12e-03	0.0	1.75e-05
3446	139	0.73	-5.16	-3.60	9.92e-04	0.0	2.33e-04
3446	140	3.15	2.61	-2.21	2.00e-05	0.0	-3.65e-04
3446	165	2.22	-5.16	-4.20	1.26e-03	0.0	2.04e-05
3446	171	0.82	-5.80	-3.81	1.11e-03	0.0	2.64e-04
3446	172	2.98	2.57	-2.17	6.26e-06	0.0	-3.64e-04
3446	197	2.12	-5.10	-4.15	1.24e-03	0.0	2.18e-05
3446	203	0.83	-5.74	-3.81	1.10e-03	0.0	2.70e-04
3446	204	3.40	2.99	-2.19	-6.90e-06	0.0	-4.28e-04
3446	229	2.44	-5.94	-4.51	1.43e-03	0.0	2.76e-05
3446	235	0.97	-6.70	-4.12	1.28e-03	0.0	3.23e-04
3447	18	0.02	0.83	-2.68	6.57e-04	1.19e-04	6.77e-06
3447	28	6.90e-03	-0.45	-3.49	9.18e-04	1.14e-04	-1.91e-05
3447	75	0.01	0.56	-1.93	4.79e-04	9.20e-05	3.87e-06
3447	80	4.72e-03	-0.30	-2.47	6.53e-04	8.89e-05	-1.34e-05
3447	98	4.31e-03	0.02	-2.02	5.26e-04	8.96e-05	-7.88e-06
3447	103	5.18e-03	0.13	-1.90	4.93e-04	9.03e-05	-5.22e-06
3447	107	4.02e-03	0.02	-1.94	5.08e-04	9.01e-05	-7.63e-06
3447	108	2.61	2.15	-2.17	2.31e-04	1.92e-04	-2.92e-04
3447	133	1.84	-4.04	-3.94	1.14e-03	8.56e-05	1.47e-05
3447	136	-0.66	4.61	-0.27	-1.77e-04	1.59e-04	-2.25e-04
3447	140	2.93	2.42	-2.20	1.97e-04	2.05e-04	-3.28e-04
3447	165	2.07	-4.55	-4.19	1.22e-03	8.50e-05	1.79e-05
3447	168	-0.75	5.19	-0.06	-2.63e-04	1.68e-04	-2.53e-04
3447	172	2.77	2.39	-2.16	2.04e-04	2.05e-04	-3.25e-04
3447	197	1.98	-4.49	-4.15	1.21e-03	8.44e-05	1.97e-05
3447	200	-0.76	5.14	-0.07	-2.52e-04	1.70e-04	-2.57e-04
3447	204	3.16	2.78	-2.18	1.55e-04	2.26e-04	-3.79e-04
3447	229	2.27	-5.23	-4.50	1.32e-03	8.30e-05	2.65e-05

3447	232	-0.89	5.99	0.24	-3.77e-04	1.86e-04	-3.06e-04
3448	4	0.09	0.74	-3.15	-7.80e-05	0.0	2.01e-04
3448	19	0.05	1.29	-1.09	-2.28e-04	0.0	3.31e-04
3448	28	0.08	-0.72	-3.49	1.93e-04	0.0	-9.59e-05
3448	68	0.06	0.49	-2.24	-4.93e-05	0.0	1.34e-04
3448	72	0.05	0.85	-1.26	-1.41e-04	0.0	2.21e-04
3448	80	0.06	-0.48	-2.47	1.31e-04	0.0	-6.38e-05
3448	98	0.05	-0.02	-2.01	4.35e-05	0.0	2.11e-06
3448	105	0.05	-0.17	-1.97	6.77e-05	0.0	-2.00e-05
3448	107	0.05	-0.02	-1.93	4.15e-05	0.0	2.04e-06
3448	108	3.06	2.50	-2.21	-2.89e-05	0.0	-3.67e-04
3448	133	2.16	-5.11	-3.96	1.05e-03	0.0	-2.76e-04
3448	139	0.81	-5.73	-3.61	9.44e-04	0.0	-3.40e-05
3448	140	3.43	2.82	-2.24	-3.76e-05	0.0	-4.14e-04
3448	165	2.42	-5.75	-4.22	1.17e-03	0.0	-3.11e-04
3448	171	0.91	-6.44	-3.82	1.06e-03	0.0	-3.82e-05
3448	172	3.25	2.76	-2.20	-4.60e-05	0.0	-4.15e-04
3448	197	2.31	-5.68	-4.17	1.15e-03	0.0	-3.13e-04
3448	203	0.92	-6.37	-3.81	1.05e-03	0.0	-3.42e-05
3448	204	3.71	3.21	-2.23	-6.52e-05	0.0	-4.89e-04
3448	229	2.65	-6.61	-4.53	1.33e-03	0.0	-3.70e-04
3448	235	1.06	-7.42	-4.12	1.21e-03	0.0	-3.69e-05
3449	4	0.13	0.73	-3.14	3.60e-06	0.0	1.61e-04
3449	19	0.06	1.33	-1.08	-9.17e-05	0.0	2.67e-04
3449	28	0.12	-0.80	-3.48	1.52e-04	0.0	-7.81e-05
3449	68	0.09	0.48	-2.24	5.16e-06	0.0	1.08e-04
3449	72	0.06	0.87	-1.25	-4.99e-05	0.0	1.78e-04
3449	80	0.08	-0.54	-2.46	1.04e-04	0.0	-5.19e-05
3449	98	0.07	-0.05	-2.01	4.40e-05	0.0	1.37e-06
3449	105	0.07	-0.20	-1.96	5.91e-05	0.0	-1.64e-05
3449	107	0.07	-0.04	-1.93	4.20e-05	0.0	1.38e-06
3449	108	3.85	2.68	-2.27	-3.38e-04	0.0	-3.94e-04
3449	133	2.71	-5.58	-4.01	8.83e-04	0.0	2.83e-05
3449	139	1.01	-6.24	-3.62	9.64e-04	0.0	2.86e-04
3449	140	4.32	3.02	-2.32	-3.85e-04	0.0	-4.45e-04
3449	165	3.04	-6.28	-4.27	9.88e-04	0.0	3.21e-05
3449	171	1.13	-7.02	-3.83	1.08e-03	0.0	3.23e-04
3449	172	4.10	2.96	-2.27	-3.76e-04	0.0	-4.46e-04
3449	197	2.91	-6.21	-4.22	9.77e-04	0.0	3.33e-05
3449	203	1.14	-6.94	-3.82	1.07e-03	0.0	3.31e-04
3449	204	4.69	3.44	-2.31	-4.42e-04	0.0	-5.25e-04
3449	229	3.33	-7.22	-4.59	1.13e-03	0.0	4.01e-05
3449	235	1.32	-8.08	-4.14	1.23e-03	0.0	3.96e-04
3450	4	0.16	0.71	-3.14	4.69e-05	0.0	1.34e-04
3450	28	0.16	-0.87	-3.48	1.30e-04	0.0	-6.99e-05
3450	44	0.14	-1.36	-3.22	1.58e-04	0.0	-1.15e-04
3450	68	0.12	0.47	-2.23	3.41e-05	0.0	8.94e-05
3450	80	0.11	-0.59	-2.46	8.97e-05	0.0	-4.66e-05
3450	88	0.10	-0.91	-2.29	1.08e-04	0.0	-7.63e-05
3450	98	0.09	-0.07	-2.01	4.42e-05	0.0	0.0
3450	105	0.09	-0.23	-1.96	5.44e-05	0.0	-1.58e-05
3450	107	0.09	-0.07	-1.92	4.22e-05	0.0	0.0
3450	108	4.61	2.85	-2.31	-3.43e-04	0.0	-4.06e-04
3450	133	3.24	-6.03	-4.03	8.30e-04	0.0	2.19e-05
3450	139	1.21	-6.73	-3.62	9.11e-04	0.0	2.89e-04
3450	140	5.18	3.22	-2.36	-3.92e-04	0.0	-4.58e-04
3450	165	3.63	-6.77	-4.29	9.28e-04	0.0	2.52e-05
3450	171	1.36	-7.56	-3.84	1.02e-03	0.0	3.27e-04
3450	172	4.93	3.15	-2.31	-3.87e-04	0.0	-4.58e-04
3450	197	3.48	-6.70	-4.25	9.16e-04	0.0	2.73e-05
3450	203	1.37	-7.48	-3.83	1.01e-03	0.0	3.36e-04
3450	204	5.63	3.67	-2.35	-4.59e-04	0.0	-5.39e-04
3450	229	3.99	-7.79	-4.62	1.06e-03	0.0	3.42e-05
3450	235	1.58	-8.71	-4.15	1.17e-03	0.0	4.02e-04
3451	4	0.20	0.59	-3.04	2.29e-05	0.0	6.63e-05
3451	28	0.19	-0.88	-3.38	1.39e-04	0.0	-3.97e-05
3451	44	0.17	-1.35	-3.13	1.74e-04	0.0	-6.23e-05
3451	68	0.14	0.39	-2.16	1.80e-05	0.0	4.41e-05
3451	80	0.13	-0.59	-2.39	9.55e-05	0.0	-2.65e-05
3451	88	0.12	-0.91	-2.22	1.19e-04	0.0	-4.16e-05
3451	98	0.11	-0.09	-1.94	4.28e-05	0.0	-2.44e-06
3451	105	0.11	-0.25	-1.89	5.55e-05	0.0	-1.00e-05
3451	107	0.11	-0.09	-1.86	4.09e-05	0.0	-2.25e-06
3451	108	5.36	3.36	-1.81	-3.60e-04	0.0	-4.08e-04
3451	133	3.77	-6.33	-3.65	8.37e-04	0.0	2.24e-05

3451	139	1.41	-7.28	-3.43	9.34e-04	0.0	2.96e-04
3451	140	6.02	3.79	-1.80	-4.10e-04	0.0	-4.60e-04
3451	165	4.22	-7.11	-3.87	9.37e-04	0.0	2.62e-05
3451	171	1.57	-8.18	-3.63	1.05e-03	0.0	3.35e-04
3451	172	5.73	3.72	-1.78	-4.04e-04	0.0	-4.59e-04
3451	197	4.05	-7.04	-3.84	9.25e-04	0.0	2.89e-05
3451	203	1.59	-8.10	-3.61	1.04e-03	0.0	3.42e-04
3451	204	6.55	4.35	-1.76	-4.77e-04	0.0	-5.38e-04
3451	229	4.64	-8.18	-4.16	1.07e-03	0.0	3.73e-05
3451	235	1.83	-9.44	-3.90	1.20e-03	0.0	4.11e-04
3452	4	0.23	0.57	-3.04	4.26e-05	0.0	3.63e-05
3452	28	0.22	-0.95	-3.38	1.35e-04	0.0	-2.53e-05
3452	44	0.20	-1.43	-3.13	1.63e-04	0.0	-3.80e-05
3452	68	0.16	0.38	-2.16	3.12e-05	0.0	2.41e-05
3452	80	0.16	-0.64	-2.39	9.24e-05	0.0	-1.70e-05
3452	88	0.14	-0.96	-2.22	1.12e-04	0.0	-2.55e-05
3452	98	0.13	-0.11	-1.94	4.48e-05	0.0	-2.88e-06
3452	105	0.13	-0.27	-1.89	5.55e-05	0.0	-7.19e-06
3452	107	0.13	-0.11	-1.86	4.27e-05	0.0	-2.71e-06
3452	108	6.09	3.53	-1.81	-3.47e-04	0.0	-4.12e-04
3452	133	4.28	-6.74	-3.65	8.16e-04	0.0	3.38e-05
3452	139	1.59	-7.73	-3.43	9.10e-04	0.0	3.15e-04
3452	140	6.84	3.99	-1.80	-3.96e-04	0.0	-4.64e-04
3452	165	4.79	-7.57	-3.87	9.13e-04	0.0	3.90e-05
3452	171	1.78	-8.69	-3.63	1.02e-03	0.0	3.57e-04
3452	172	6.52	3.92	-1.78	-3.89e-04	0.0	-4.59e-04
3452	197	4.60	-7.49	-3.84	9.02e-04	0.0	4.16e-05
3452	203	1.80	-8.61	-3.61	1.01e-03	0.0	3.62e-04
3452	204	7.45	4.58	-1.76	-4.60e-04	0.0	-5.36e-04
3452	229	5.27	-8.70	-4.16	1.04e-03	0.0	5.24e-05
3452	235	2.07	-10.03	-3.90	1.17e-03	0.0	4.33e-04
3453	4	0.26	0.54	-3.05	2.21e-04	1.37e-04	-2.07e-06
3453	28	0.26	-1.02	-3.38	6.51e-04	1.41e-04	-3.74e-06
3453	44	0.23	-1.51	-3.13	7.14e-04	1.38e-04	-3.71e-06
3453	68	0.19	0.35	-2.16	1.72e-04	1.03e-04	-1.63e-06
3453	80	0.18	-0.69	-2.39	4.60e-04	1.06e-04	-2.75e-06
3453	88	0.16	-1.01	-2.22	5.01e-04	1.04e-04	-2.73e-06
3453	98	0.15	-0.13	-1.94	3.10e-04	1.02e-04	-2.40e-06
3453	105	0.14	-0.30	-1.89	3.36e-04	1.01e-04	-2.42e-06
3453	107	0.14	-0.13	-1.86	3.00e-04	1.01e-04	-2.35e-06
3453	108	6.58	3.70	-1.81	1.36e-05	5.72e-04	-4.25e-04
3453	133	4.62	-7.14	-3.65	9.04e-04	4.36e-04	4.40e-05
3453	139	1.72	-8.18	-3.43	9.70e-04	2.19e-04	3.38e-04
3453	140	7.38	4.18	-1.80	-2.21e-05	6.32e-04	-4.78e-04
3453	165	5.17	-8.02	-3.88	9.79e-04	4.78e-04	5.04e-05
3453	171	1.93	-9.19	-3.63	1.05e-03	2.34e-04	3.82e-04
3453	172	7.04	4.11	-1.78	-1.47e-05	6.14e-04	-4.71e-04
3453	197	4.96	-7.93	-3.84	9.71e-04	4.67e-04	5.30e-05
3453	203	1.94	-9.10	-3.61	1.04e-03	2.33e-04	3.85e-04
3453	204	8.05	4.80	-1.76	-6.50e-05	6.93e-04	-5.49e-04
3453	229	5.69	-9.21	-4.16	1.08e-03	5.24e-04	6.58e-05
3453	235	2.23	-10.60	-3.90	1.17e-03	2.53e-04	4.59e-04
3454	4	0.20	0.63	-3.10	5.50e-05	0.0	9.20e-05
3454	28	0.19	-0.91	-3.44	1.25e-04	0.0	-5.33e-05
3454	44	0.17	-1.39	-3.18	1.50e-04	0.0	-8.44e-05
3454	68	0.14	0.42	-2.20	3.95e-05	0.0	6.13e-05
3454	80	0.13	-0.61	-2.43	8.61e-05	0.0	-3.56e-05
3454	88	0.12	-0.93	-2.26	1.03e-04	0.0	-5.63e-05
3454	98	0.11	-0.09	-1.98	4.37e-05	0.0	-2.71e-06
3454	105	0.11	-0.25	-1.93	5.29e-05	0.0	-1.32e-05
3454	107	0.11	-0.09	-1.90	4.17e-05	0.0	-2.51e-06
3454	108	5.36	3.18	-2.00	-3.53e-04	0.0	-4.10e-04
3454	133	3.76	-6.38	-3.81	8.12e-04	0.0	2.16e-05
3454	139	1.41	-7.22	-3.53	9.02e-04	0.0	2.96e-04
3454	140	6.02	3.59	-2.02	-4.02e-04	0.0	-4.62e-04
3454	165	4.22	-7.17	-4.05	9.09e-04	0.0	2.53e-05
3454	171	1.57	-8.11	-3.73	1.01e-03	0.0	3.35e-04
3454	172	5.73	3.53	-1.99	-3.98e-04	0.0	-4.61e-04
3454	197	4.05	-7.09	-4.01	8.97e-04	0.0	2.79e-05
3454	203	1.59	-8.03	-3.72	1.00e-03	0.0	3.42e-04
3454	204	6.55	4.12	-1.98	-4.72e-04	0.0	-5.41e-04
3454	229	4.64	-8.24	-4.35	1.04e-03	0.0	3.60e-05
3454	235	1.83	-9.36	-4.03	1.16e-03	0.0	4.11e-04
3455	4	0.23	0.60	-3.10	8.25e-05	0.0	5.05e-05
3455	28	0.22	-0.97	-3.44	1.14e-04	0.0	-3.31e-05

3455	44	0.19	-1.46	-3.18	1.29e-04	0.0	-5.06e-05
3455	68	0.16	0.39	-2.20	5.79e-05	0.0	3.35e-05
3455	80	0.16	-0.65	-2.43	7.85e-05	0.0	-2.22e-05
3455	88	0.14	-0.98	-2.26	8.89e-05	0.0	-3.39e-05
3455	98	0.13	-0.11	-1.98	4.47e-05	0.0	-3.18e-06
3455	105	0.12	-0.28	-1.93	5.09e-05	0.0	-9.11e-06
3455	107	0.12	-0.11	-1.90	4.27e-05	0.0	-3.01e-06
3455	108	6.10	3.35	-2.01	-3.45e-04	0.0	-4.15e-04
3455	133	4.28	-6.78	-3.81	7.90e-04	0.0	3.11e-05
3455	139	1.59	-7.66	-3.53	8.78e-04	0.0	3.13e-04
3455	140	6.84	3.78	-2.02	-3.94e-04	0.0	-4.67e-04
3455	165	4.79	-7.61	-4.05	8.83e-04	0.0	3.60e-05
3455	171	1.78	-8.61	-3.74	9.83e-04	0.0	3.55e-04
3455	172	6.52	3.72	-1.99	-3.90e-04	0.0	-4.63e-04
3455	197	4.60	-7.53	-4.01	8.71e-04	0.0	3.88e-05
3455	203	1.80	-8.52	-3.73	9.73e-04	0.0	3.60e-04
3455	204	7.46	4.35	-1.98	-4.63e-04	0.0	-5.42e-04
3455	229	5.27	-8.75	-4.35	1.01e-03	0.0	4.91e-05
3455	235	2.07	-9.92	-4.03	1.13e-03	0.0	4.32e-04
3456	4	0.26	0.54	-3.10	-2.77e-05	1.29e-04	-2.77e-06
3456	28	0.26	-1.02	-3.44	7.11e-04	1.31e-04	-4.07e-06
3456	44	0.23	-1.51	-3.18	8.45e-04	1.29e-04	-3.84e-06
3456	68	0.19	0.35	-2.21	4.40e-06	9.74e-05	-2.12e-06
3456	80	0.18	-0.69	-2.43	4.97e-04	9.90e-05	-2.99e-06
3456	88	0.16	-1.01	-2.26	5.86e-04	9.72e-05	-2.84e-06
3456	98	0.15	-0.14	-1.98	2.82e-04	9.56e-05	-2.73e-06
3456	105	0.14	-0.30	-1.94	3.32e-04	9.51e-05	-2.68e-06
3456	107	0.14	-0.13	-1.90	2.73e-04	9.48e-05	-2.66e-06
3456	108	6.57	3.51	-2.00	-1.57e-05	4.73e-04	-4.26e-04
3456	133	4.62	-7.17	-3.81	9.17e-04	3.57e-04	4.45e-05
3456	139	1.73	-8.09	-3.53	9.77e-04	1.83e-04	3.38e-04
3456	140	7.38	3.97	-2.02	-5.17e-05	5.20e-04	-4.79e-04
3456	165	5.17	-8.05	-4.05	9.98e-04	3.90e-04	5.10e-05
3456	171	1.93	-9.09	-3.74	1.06e-03	1.94e-04	3.82e-04
3456	172	7.04	3.90	-1.99	-4.44e-05	5.08e-04	-4.71e-04
3456	197	4.96	-7.96	-4.01	9.88e-04	3.82e-04	5.36e-05
3456	203	1.94	-9.00	-3.73	1.05e-03	1.92e-04	3.85e-04
3456	204	8.05	4.57	-1.98	-9.52e-05	5.73e-04	-5.49e-04
3456	229	5.69	-9.24	-4.35	1.11e-03	4.27e-04	6.65e-05
3456	235	2.23	-10.47	-4.03	1.18e-03	2.07e-04	4.59e-04
3457	4	0.20	0.67	-3.14	8.25e-05	0.0	1.00e-04
3457	28	0.19	-0.93	-3.47	1.13e-04	0.0	-5.74e-05
3457	44	0.17	-1.43	-3.22	1.28e-04	0.0	-9.13e-05
3457	68	0.14	0.44	-2.23	5.79e-05	0.0	6.68e-05
3457	80	0.13	-0.63	-2.46	7.80e-05	0.0	-3.83e-05
3457	88	0.12	-0.96	-2.29	8.85e-05	0.0	-6.10e-05
3457	98	0.11	-0.09	-2.00	4.45e-05	0.0	-2.71e-06
3457	105	0.11	-0.26	-1.96	5.07e-05	0.0	-1.41e-05
3457	107	0.11	-0.09	-1.92	4.25e-05	0.0	-2.51e-06
3457	108	5.36	3.01	-2.32	-3.57e-04	0.0	-4.11e-04
3457	133	3.76	-6.43	-4.04	7.89e-04	0.0	2.15e-05
3457	139	1.40	-7.16	-3.62	8.77e-04	0.0	2.96e-04
3457	140	6.01	3.40	-2.37	-4.07e-04	0.0	-4.62e-04
3457	165	4.22	-7.22	-4.30	8.82e-04	0.0	2.51e-05
3457	171	1.57	-8.05	-3.84	9.81e-04	0.0	3.35e-04
3457	172	5.73	3.34	-2.32	-4.03e-04	0.0	-4.61e-04
3457	197	4.04	-7.14	-4.26	8.70e-04	0.0	2.78e-05
3457	203	1.58	-7.96	-3.83	9.71e-04	0.0	3.42e-04
3457	204	6.55	3.89	-2.37	-4.78e-04	0.0	-5.41e-04
3457	229	4.63	-8.30	-4.63	1.00e-03	0.0	3.58e-05
3457	235	1.82	-9.27	-4.15	1.13e-03	0.0	4.11e-04
3458	4	0.23	0.62	-3.14	1.16e-04	0.0	5.65e-05
3458	28	0.22	-0.98	-3.47	9.65e-05	0.0	-3.61e-05
3458	44	0.19	-1.48	-3.22	1.01e-04	0.0	-5.56e-05
3458	68	0.16	0.41	-2.23	8.05e-05	0.0	3.75e-05
3458	80	0.15	-0.66	-2.46	6.72e-05	0.0	-2.42e-05
3458	88	0.14	-0.99	-2.29	7.02e-05	0.0	-3.72e-05
3458	98	0.13	-0.11	-2.00	4.49e-05	0.0	-3.21e-06
3458	105	0.12	-0.28	-1.96	4.74e-05	0.0	-9.80e-06
3458	107	0.12	-0.11	-1.92	4.29e-05	0.0	-3.04e-06
3458	108	6.10	3.17	-2.31	-3.58e-04	0.0	-4.16e-04
3458	133	4.28	-6.82	-4.03	7.64e-04	0.0	3.06e-05
3458	139	1.59	-7.58	-3.62	8.54e-04	0.0	3.13e-04
3458	140	6.85	3.58	-2.36	-4.08e-04	0.0	-4.68e-04
3458	165	4.80	-7.66	-4.30	8.54e-04	0.0	3.54e-05

3458	171	1.78	-8.52	-3.84	9.55e-04	0.0	3.54e-04
3458	172	6.53	3.52	-2.31	-4.04e-04	0.0	-4.64e-04
3458	197	4.60	-7.57	-4.25	8.42e-04	0.0	3.82e-05
3458	203	1.80	-8.43	-3.83	9.45e-04	0.0	3.60e-04
3458	204	7.47	4.11	-2.35	-4.80e-04	0.0	-5.43e-04
3458	229	5.28	-8.79	-4.62	9.72e-04	0.0	4.85e-05
3458	235	2.07	-9.81	-4.15	1.10e-03	0.0	4.31e-04
3459	4	0.26	0.54	-3.14	-2.76e-04	1.26e-04	-3.78e-06
3459	28	0.26	-1.02	-3.48	7.70e-04	1.27e-04	-4.58e-06
3459	44	0.23	-1.51	-3.22	9.77e-04	1.26e-04	-4.11e-06
3459	68	0.19	0.35	-2.23	-1.64e-04	9.64e-05	-2.83e-06
3459	80	0.18	-0.69	-2.46	5.34e-04	9.71e-05	-3.36e-06
3459	88	0.16	-1.02	-2.29	6.72e-04	9.64e-05	-3.05e-06
3459	98	0.15	-0.14	-2.00	2.54e-04	9.55e-05	-3.15e-06
3459	105	0.14	-0.30	-1.96	3.27e-04	9.53e-05	-3.03e-06
3459	107	0.14	-0.13	-1.92	2.46e-04	9.52e-05	-3.07e-06
3459	108	6.57	3.33	-2.29	-4.50e-05	2.21e-04	-4.26e-04
3459	133	4.62	-7.19	-4.02	9.31e-04	8.13e-05	4.42e-05
3459	139	1.73	-8.00	-3.62	9.84e-04	4.35e-06	3.38e-04
3459	140	7.38	3.76	-2.34	-8.13e-05	2.37e-04	-4.79e-04
3459	165	5.17	-8.08	-4.28	1.02e-03	7.95e-05	5.07e-05
3459	171	1.93	-8.98	-3.83	1.08e-03	-7.32e-06	3.82e-04
3459	172	7.04	3.70	-2.29	-7.42e-05	2.37e-04	-4.72e-04
3459	197	4.97	-7.98	-4.24	1.01e-03	7.96e-05	5.33e-05
3459	203	1.94	-8.89	-3.83	1.06e-03	-8.38e-06	3.85e-04
3459	204	8.05	4.33	-2.33	-1.26e-04	2.62e-04	-5.50e-04
3459	229	5.69	-9.27	-4.61	1.13e-03	7.70e-05	6.63e-05
3459	235	2.23	-10.35	-4.15	1.20e-03	-2.77e-05	4.59e-04
3460	18	0.02	0.83	-2.92	6.60e-04	1.91e-05	-1.63e-05
3460	28	0.01	-0.48	-3.72	9.22e-04	1.62e-05	0.0
3460	75	0.01	0.55	-2.11	4.81e-04	1.53e-05	-1.10e-05
3460	80	9.88e-03	-0.32	-2.65	6.56e-04	1.33e-05	0.0
3460	98	7.82e-03	9.47e-03	-2.20	5.29e-04	1.48e-05	-2.43e-06
3460	103	8.20e-03	0.12	-2.08	4.95e-04	1.53e-05	-4.04e-06
3460	107	7.44e-03	9.09e-03	-2.12	5.10e-04	1.52e-05	-2.35e-06
3460	108	2.62	1.39	-1.41	3.36e-04	-1.96e-04	-2.89e-04
3460	127	-1.86	-4.27	-3.83	1.14e-03	1.70e-04	-2.41e-05
3460	132	-0.49	4.29	-0.60	-1.27e-04	6.30e-05	-2.21e-04
3460	140	2.94	1.57	-1.32	3.14e-04	-2.22e-04	-3.25e-04
3460	159	-2.09	-4.80	-4.04	1.22e-03	1.89e-04	-2.72e-05
3460	164	-0.55	4.82	-0.41	-2.06e-04	6.88e-05	-2.49e-04
3460	172	2.78	1.54	-1.34	3.16e-04	-2.06e-04	-3.22e-04
3460	191	-1.99	-4.73	-4.01	1.21e-03	1.79e-04	-2.89e-05
3460	196	-0.55	4.75	-0.44	-1.95e-04	6.88e-05	-2.50e-04
3460	204	3.17	1.79	-1.22	2.84e-04	-2.35e-04	-3.77e-04
3460	223	-2.29	-5.49	-4.31	1.32e-03	2.03e-04	-3.55e-05
3460	228	-0.64	5.53	-0.17	-3.10e-04	7.85e-05	-2.95e-04
3461	4	0.03	1.51	-3.38	-1.64e-03	0.0	1.59e-05
3461	19	0.02	2.54	-1.29	-2.82e-03	0.0	3.06e-05
3461	28	0.03	-1.06	-3.71	9.69e-04	0.0	-1.27e-05
3461	68	0.02	1.00	-2.43	-1.09e-03	0.0	1.04e-05
3461	72	0.02	1.69	-1.46	-1.87e-03	0.0	1.98e-05
3461	80	0.02	-0.71	-2.65	6.48e-04	0.0	-8.64e-06
3461	98	0.02	-0.01	-2.20	4.30e-05	0.0	-2.22e-06
3461	102	0.01	0.33	-1.60	-3.51e-04	0.0	2.52e-06
3461	103	0.02	0.33	-2.08	-3.39e-04	0.0	2.15e-06
3461	107	0.02	-0.01	-2.12	4.10e-05	0.0	-2.16e-06
3461	108	2.80	1.56	-1.39	-2.46e-04	0.0	-3.28e-04
3461	127	-1.97	-4.86	-3.84	1.09e-03	0.0	-3.69e-05
3461	135	0.54	-4.88	-3.64	1.10e-03	0.0	2.54e-04
3461	140	3.14	1.76	-1.30	-2.82e-04	0.0	-3.70e-04
3461	159	-2.21	-5.47	-4.05	1.22e-03	0.0	-4.17e-05
3461	167	0.60	-5.49	-3.83	1.24e-03	0.0	2.87e-04
3461	172	2.97	1.73	-1.32	-2.78e-04	0.0	-3.64e-04
3461	191	-2.11	-5.38	-4.02	1.20e-03	0.0	-4.34e-05
3461	199	0.60	-5.41	-3.80	1.22e-03	0.0	2.86e-04
3461	204	3.40	2.01	-1.19	-3.30e-04	0.0	-4.24e-04
3461	223	-2.43	-6.25	-4.33	1.39e-03	0.0	-5.29e-05
3461	231	0.69	-6.28	-4.07	1.41e-03	0.0	3.37e-04
3462	4	0.03	1.52	-3.39	-1.63e-03	0.0	-2.91e-06
3462	19	0.02	2.57	-1.29	-2.82e-03	0.0	0.0
3462	28	0.03	-1.07	-3.72	9.68e-04	0.0	-3.33e-06
3462	68	0.02	1.02	-2.43	-1.09e-03	0.0	-2.15e-06
3462	72	0.01	1.71	-1.46	-1.87e-03	0.0	-1.15e-06
3462	80	0.02	-0.71	-2.65	6.48e-04	0.0	-2.43e-06

3462	98	0.01	-0.01	-2.20	4.31e-05	0.0	-2.26e-06
3462	102	0.01	0.34	-1.61	-3.50e-04	0.0	-1.69e-06
3462	103	0.01	0.33	-2.09	-3.39e-04	0.0	-2.07e-06
3462	107	0.01	-0.01	-2.12	4.11e-05	0.0	-2.20e-06
3462	108	2.79	1.41	-1.45	-2.87e-04	0.0	-3.29e-04
3462	125	-0.53	-4.85	-3.70	1.11e-03	0.0	-2.58e-04
3462	127	-1.97	-4.83	-3.81	1.11e-03	0.0	-3.64e-05
3462	140	3.14	1.58	-1.37	-3.28e-04	0.0	-3.70e-04
3462	157	-0.59	-5.45	-3.90	1.24e-03	0.0	-2.91e-04
3462	159	-2.21	-5.43	-4.02	1.24e-03	0.0	-4.10e-05
3462	172	2.97	1.56	-1.39	-3.22e-04	0.0	-3.64e-04
3462	189	-0.58	-5.37	-3.87	1.22e-03	0.0	-2.89e-04
3462	191	-2.11	-5.35	-3.99	1.23e-03	0.0	-4.27e-05
3462	204	3.39	1.81	-1.27	-3.81e-04	0.0	-4.24e-04
3462	221	-0.68	-6.24	-4.16	1.41e-03	0.0	-3.40e-04
3462	223	-2.43	-6.22	-4.29	1.42e-03	0.0	-5.21e-05
3463	18	0.02	0.83	-2.92	6.61e-04	-4.38e-06	-2.50e-06
3463	28	0.02	-0.48	-3.72	9.23e-04	-6.53e-06	-3.67e-06
3463	75	0.01	0.55	-2.12	4.81e-04	-2.88e-06	-1.84e-06
3463	80	0.01	-0.32	-2.65	6.56e-04	-4.31e-06	-2.62e-06
3463	98	8.49e-03	8.88e-03	-2.20	5.29e-04	-3.15e-06	-2.31e-06
3463	103	8.79e-03	0.12	-2.09	4.95e-04	-2.79e-06	-2.11e-06
3463	107	8.10e-03	8.53e-03	-2.12	5.10e-04	-2.81e-06	-2.23e-06
3463	108	2.62	1.26	-1.45	3.31e-04	-1.57e-04	-2.88e-04
3463	126	0.52	4.27	-0.55	-1.30e-04	-3.53e-05	2.14e-04
3463	127	-1.86	-4.23	-3.81	1.14e-03	1.09e-04	-2.50e-05
3463	140	2.94	1.41	-1.37	3.09e-04	-1.76e-04	-3.24e-04
3463	158	0.59	4.80	-0.35	-2.09e-04	-3.93e-05	2.41e-04
3463	159	-2.09	-4.76	-4.02	1.22e-03	1.23e-04	-2.83e-05
3463	172	2.78	1.39	-1.39	3.11e-04	-1.63e-04	-3.22e-04
3463	190	0.58	4.73	-0.38	-1.98e-04	-3.91e-05	2.42e-04
3463	191	-1.99	-4.69	-3.99	1.21e-03	1.16e-04	-3.01e-05
3463	204	3.17	1.62	-1.28	2.79e-04	-1.85e-04	-3.76e-04
3463	222	0.68	5.49	-0.09	-3.12e-04	-4.58e-05	2.86e-04
3463	223	-2.29	-5.45	-4.29	1.32e-03	1.33e-04	-3.71e-05
3464	4	0.04	2.36	-3.38	-1.11e-03	0.0	-2.99e-05
3464	19	0.02	4.01	-1.29	-1.94e-03	0.0	-4.61e-05
3464	28	0.04	-1.56	-3.71	7.05e-04	0.0	1.05e-05
3464	68	0.03	1.57	-2.42	-7.36e-04	0.0	-2.02e-05
3464	72	0.02	2.66	-1.45	-1.28e-03	0.0	-3.14e-05
3464	80	0.03	-1.04	-2.64	4.72e-04	0.0	6.75e-06
3464	98	0.02	-0.04	-2.20	4.30e-05	0.0	-2.27e-06
3464	102	0.02	0.51	-1.60	-2.33e-04	0.0	-7.84e-06
3464	103	0.02	0.50	-2.08	-2.22e-04	0.0	-8.12e-06
3464	107	0.02	-0.03	-2.12	4.10e-05	0.0	-2.22e-06
3464	108	2.92	1.72	-1.35	-2.32e-04	0.0	-3.69e-04
3464	127	-2.03	-5.44	-3.86	1.02e-03	0.0	-4.63e-05
3464	135	0.56	-5.46	-3.64	1.03e-03	0.0	2.96e-04
3464	140	3.28	1.94	-1.25	-2.66e-04	0.0	-4.15e-04
3464	159	-2.29	-6.11	-4.08	1.14e-03	0.0	-5.23e-05
3464	167	0.63	-6.14	-3.83	1.15e-03	0.0	3.34e-04
3464	172	3.10	1.91	-1.28	-2.62e-04	0.0	-4.07e-04
3464	191	-2.18	-6.02	-4.04	1.12e-03	0.0	-5.38e-05
3464	199	0.62	-6.05	-3.79	1.13e-03	0.0	3.30e-04
3464	204	3.55	2.22	-1.14	-3.11e-04	0.0	-4.73e-04
3464	223	-2.51	-6.99	-4.36	1.30e-03	0.0	-6.52e-05
3464	231	0.72	-7.03	-4.06	1.31e-03	0.0	3.89e-04
3465	4	0.04	2.34	-3.39	-1.11e-03	0.0	-2.65e-06
3465	19	0.02	3.98	-1.29	-1.94e-03	0.0	0.0
3465	28	0.03	-1.55	-3.72	7.04e-04	0.0	-3.08e-06
3465	68	0.03	1.56	-2.43	-7.35e-04	0.0	-2.00e-06
3465	72	0.02	2.64	-1.46	-1.28e-03	0.0	-1.17e-06
3465	80	0.02	-1.04	-2.65	4.72e-04	0.0	-2.28e-06
3465	98	0.02	-0.04	-2.20	4.31e-05	0.0	-2.24e-06
3465	102	0.02	0.51	-1.61	-2.33e-04	0.0	-1.77e-06
3465	103	0.02	0.50	-2.09	-2.21e-04	0.0	-2.04e-06
3465	107	0.02	-0.03	-2.12	4.11e-05	0.0	-2.19e-06
3465	108	2.92	1.55	-1.45	-2.64e-04	0.0	-3.69e-04
3465	125	-0.54	-5.42	-3.70	1.03e-03	0.0	-2.98e-04
3465	127	-2.04	-5.40	-3.81	1.03e-03	0.0	-4.76e-05
3465	140	3.28	1.74	-1.37	-3.02e-04	0.0	-4.15e-04
3465	157	-0.60	-6.10	-3.90	1.15e-03	0.0	-3.36e-04
3465	159	-2.29	-6.07	-4.02	1.16e-03	0.0	-5.37e-05
3465	172	3.11	1.72	-1.39	-2.96e-04	0.0	-4.06e-04
3465	189	-0.59	-6.00	-3.87	1.13e-03	0.0	-3.32e-04

3465	191	-2.19	-5.98	-3.99	1.14e-03	0.0	-5.53e-05
3465	204	3.55	2.00	-1.27	-3.51e-04	0.0	-4.72e-04
3465	221	-0.70	-6.97	-4.16	1.31e-03	0.0	-3.90e-04
3465	223	-2.52	-6.95	-4.29	1.32e-03	0.0	-6.70e-05
3466	4	0.09	2.76	-3.38	-3.44e-04	0.0	-1.21e-05
3466	19	0.04	4.72	-1.29	-6.68e-04	0.0	-1.61e-05
3466	28	0.08	-1.84	-3.71	3.23e-04	0.0	1.21e-06
3466	68	0.06	1.83	-2.42	-2.26e-04	0.0	-8.30e-06
3466	72	0.04	3.13	-1.45	-4.35e-04	0.0	-1.15e-05
3466	80	0.06	-1.23	-2.64	2.18e-04	0.0	0.0
3466	98	0.05	-0.06	-2.19	4.31e-05	0.0	-2.46e-06
3466	102	0.04	0.60	-1.60	-6.36e-05	0.0	-3.98e-06
3466	107	0.05	-0.06	-2.12	4.11e-05	0.0	-2.41e-06
3466	108	3.71	1.85	-1.25	-2.38e-04	0.0	-3.88e-04
3466	127	-2.53	-5.95	-3.92	9.27e-04	0.0	-5.11e-05
3466	135	0.71	-5.97	-3.63	9.26e-04	0.0	3.11e-04
3466	140	4.16	2.09	-1.14	-2.73e-04	0.0	-4.37e-04
3466	159	-2.85	-6.69	-4.15	1.04e-03	0.0	-5.76e-05
3466	167	0.79	-6.71	-3.82	1.04e-03	0.0	3.51e-04
3466	172	3.95	2.06	-1.17	-2.68e-04	0.0	-4.28e-04
3466	191	-2.73	-6.58	-4.11	1.02e-03	0.0	-5.94e-05
3466	199	0.78	-6.62	-3.78	1.02e-03	0.0	3.47e-04
3466	204	4.52	2.40	-1.02	-3.18e-04	0.0	-4.97e-04
3466	223	-3.14	-7.64	-4.43	1.18e-03	0.0	-7.18e-05
3466	231	0.90	-7.68	-4.05	1.18e-03	0.0	4.08e-04
3467	4	0.08	2.75	-3.39	-3.45e-04	0.0	-2.92e-06
3467	19	0.04	4.72	-1.29	-6.70e-04	0.0	0.0
3467	28	0.08	-1.84	-3.72	3.23e-04	0.0	-3.36e-06
3467	68	0.06	1.83	-2.43	-2.27e-04	0.0	-2.20e-06
3467	72	0.04	3.13	-1.46	-4.36e-04	0.0	-1.30e-06
3467	80	0.06	-1.23	-2.65	2.18e-04	0.0	-2.49e-06
3467	98	0.05	-0.06	-2.21	4.32e-05	0.0	-2.46e-06
3467	102	0.03	0.59	-1.61	-6.38e-05	0.0	-1.95e-06
3467	107	0.05	-0.06	-2.13	4.12e-05	0.0	-2.41e-06
3467	108	3.70	1.74	-1.45	-2.32e-04	0.0	-3.88e-04
3467	127	-2.53	-5.94	-3.81	9.28e-04	0.0	-5.09e-05
3467	140	4.16	1.97	-1.37	-2.66e-04	0.0	-4.37e-04
3467	159	-2.85	-6.67	-4.02	1.04e-03	0.0	-5.74e-05
3467	172	3.95	1.94	-1.39	-2.61e-04	0.0	-4.28e-04
3467	191	-2.73	-6.57	-3.99	1.02e-03	0.0	-5.91e-05
3467	204	4.52	2.26	-1.27	-3.10e-04	0.0	-4.97e-04
3467	223	-3.14	-7.63	-4.29	1.18e-03	0.0	-7.15e-05
3468	4	0.14	2.72	-3.37	4.58e-04	0.0	-1.13e-05
3468	19	0.06	4.71	-1.29	6.67e-04	0.0	-1.43e-05
3468	28	0.14	-1.90	-3.70	-7.78e-05	0.0	0.0
3468	68	0.10	1.81	-2.42	3.08e-04	0.0	-7.82e-06
3468	72	0.06	3.12	-1.45	4.55e-04	0.0	-1.03e-05
3468	80	0.10	-1.27	-2.64	-4.92e-05	0.0	0.0
3468	98	0.08	-0.08	-2.19	4.32e-05	0.0	-2.74e-06
3468	102	0.06	0.58	-1.60	1.14e-04	0.0	-3.92e-06
3468	107	0.08	-0.08	-2.11	4.12e-05	0.0	-2.68e-06
3468	108	4.62	1.97	-1.20	-2.06e-04	0.0	-4.01e-04
3468	127	-3.11	-6.41	-3.95	8.27e-04	0.0	-5.16e-05
3468	135	0.89	-6.43	-3.63	8.24e-04	0.0	3.20e-04
3468	140	5.19	2.22	-1.08	-2.37e-04	0.0	-4.52e-04
3468	159	-3.51	-7.20	-4.18	9.25e-04	0.0	-5.82e-05
3468	167	0.99	-7.22	-3.81	9.22e-04	0.0	3.61e-04
3468	172	4.94	2.19	-1.11	-2.33e-04	0.0	-4.43e-04
3468	191	-3.36	-7.09	-4.14	9.11e-04	0.0	-6.00e-05
3468	199	0.98	-7.12	-3.78	9.08e-04	0.0	3.58e-04
3468	204	5.64	2.56	-0.96	-2.77e-04	0.0	-5.15e-04
3468	223	-3.87	-8.22	-4.47	1.05e-03	0.0	-7.27e-05
3468	231	1.13	-8.26	-4.04	1.05e-03	0.0	4.21e-04
3469	4	0.14	2.72	-3.39	4.57e-04	0.0	-3.33e-06
3469	19	0.06	4.71	-1.29	6.66e-04	0.0	0.0
3469	28	0.14	-1.90	-3.72	-7.75e-05	0.0	-3.79e-06
3469	68	0.10	1.81	-2.43	3.08e-04	0.0	-2.49e-06
3469	72	0.06	3.12	-1.46	4.55e-04	0.0	-1.46e-06
3469	80	0.10	-1.27	-2.65	-4.90e-05	0.0	-2.80e-06
3469	98	0.08	-0.08	-2.21	4.33e-05	0.0	-2.74e-06
3469	102	0.06	0.58	-1.61	1.15e-04	0.0	-2.15e-06
3469	107	0.08	-0.08	-2.13	4.13e-05	0.0	-2.68e-06
3469	108	4.62	1.85	-1.45	-2.00e-04	0.0	-4.01e-04
3469	127	-3.11	-6.39	-3.81	8.26e-04	0.0	-5.17e-05
3469	140	5.19	2.09	-1.36	-2.30e-04	0.0	-4.52e-04

3469	159	-3.51	-7.18	-4.02	9.23e-04	0.0	-5.82e-05
3469	172	4.94	2.06	-1.38	-2.26e-04	0.0	-4.43e-04
3469	191	-3.36	-7.07	-3.99	9.09e-04	0.0	-6.01e-05
3469	204	5.64	2.41	-1.27	-2.69e-04	0.0	-5.15e-04
3469	223	-3.87	-8.21	-4.29	1.05e-03	0.0	-7.27e-05
3470	4	0.02	1.51	-3.39	-1.64e-03	0.0	-2.18e-05
3470	19	0.01	2.54	-1.29	-2.82e-03	0.0	-3.21e-05
3470	28	0.02	-1.06	-3.72	9.68e-04	0.0	5.99e-06
3470	68	0.02	1.00	-2.43	-1.09e-03	0.0	-1.47e-05
3470	72	0.01	1.69	-1.46	-1.87e-03	0.0	-2.21e-05
3470	80	0.02	-0.71	-2.65	6.48e-04	0.0	3.79e-06
3470	98	0.01	-0.01	-2.20	4.30e-05	0.0	-2.30e-06
3470	102	9.42e-03	0.33	-1.61	-3.51e-04	0.0	-5.90e-06
3470	103	0.01	0.33	-2.09	-3.39e-04	0.0	-6.28e-06
3470	107	0.01	-0.01	-2.12	4.10e-05	0.0	-2.24e-06
3470	108	2.79	1.34	-1.52	-3.08e-04	0.0	-3.29e-04
3470	127	-1.97	-4.83	-3.77	1.13e-03	0.0	-3.58e-05
3470	129	-0.72	-4.89	-3.70	1.11e-03	0.0	-2.61e-04
3470	140	3.14	1.51	-1.44	-3.51e-04	0.0	-3.70e-04
3470	159	-2.21	-5.43	-3.97	1.26e-03	0.0	-4.04e-05
3470	161	-0.81	-5.50	-3.90	1.24e-03	0.0	-2.94e-04
3470	172	2.97	1.49	-1.46	-3.44e-04	0.0	-3.64e-04
3470	191	-2.11	-5.35	-3.94	1.24e-03	0.0	-4.21e-05
3470	193	-0.82	-5.42	-3.87	1.23e-03	0.0	-2.96e-04
3470	204	3.39	1.73	-1.36	-4.05e-04	0.0	-4.25e-04
3470	223	-2.43	-6.21	-4.24	1.44e-03	0.0	-5.13e-05
3470	225	-0.96	-6.30	-4.16	1.42e-03	0.0	-3.53e-04
3471	18	0.02	0.82	-2.92	6.61e-04	-3.12e-05	1.13e-05
3471	28	0.02	-0.48	-3.72	9.23e-04	-3.30e-05	-7.49e-06
3471	75	0.01	0.55	-2.12	4.82e-04	-2.34e-05	7.40e-06
3471	80	0.01	-0.32	-2.65	6.56e-04	-2.46e-05	-5.16e-06
3471	98	9.16e-03	8.08e-03	-2.20	5.29e-04	-2.32e-05	-2.17e-06
3471	103	9.39e-03	0.12	-2.09	4.96e-04	-2.29e-05	0.0
3471	107	8.76e-03	7.75e-03	-2.12	5.11e-04	-2.29e-05	-2.09e-06
3471	108	2.62	1.20	-1.50	3.34e-04	-1.86e-04	-2.88e-04
3471	127	-1.86	-4.23	-3.78	1.14e-03	9.50e-05	-2.63e-05
3471	130	0.70	4.30	-0.55	-1.32e-04	-6.19e-05	2.18e-04
3471	140	2.94	1.35	-1.42	3.12e-04	-2.06e-04	-3.24e-04
3471	159	-2.09	-4.76	-3.98	1.22e-03	1.10e-04	-2.97e-05
3471	162	0.79	4.83	-0.35	-2.12e-04	-6.70e-05	2.46e-04
3471	172	2.78	1.33	-1.44	3.15e-04	-1.93e-04	-3.21e-04
3471	191	-1.99	-4.68	-3.95	1.21e-03	1.02e-04	-3.17e-05
3471	194	0.80	4.76	-0.37	-2.01e-04	-6.73e-05	2.50e-04
3471	204	3.17	1.54	-1.34	2.83e-04	-2.15e-04	-3.76e-04
3471	223	-2.28	-5.45	-4.25	1.33e-03	1.20e-04	-3.90e-05
3471	226	0.93	5.54	-0.09	-3.17e-04	-7.46e-05	3.00e-04
3472	4	0.03	2.35	-3.40	-1.11e-03	0.0	2.46e-05
3472	19	0.01	4.01	-1.29	-1.94e-03	0.0	4.46e-05
3472	28	0.03	-1.56	-3.73	7.05e-04	0.0	-1.66e-05
3472	68	0.02	1.57	-2.43	-7.36e-04	0.0	1.62e-05
3472	72	0.01	2.66	-1.46	-1.28e-03	0.0	2.91e-05
3472	80	0.02	-1.04	-2.65	4.72e-04	0.0	-1.13e-05
3472	98	0.01	-0.04	-2.21	4.31e-05	0.0	-2.20e-06
3472	102	0.01	0.51	-1.61	-2.33e-04	0.0	4.30e-06
3472	103	0.01	0.50	-2.09	-2.21e-04	0.0	4.04e-06
3472	107	0.01	-0.04	-2.13	4.11e-05	0.0	-2.16e-06
3472	108	2.91	1.47	-1.55	-2.75e-04	0.0	-3.68e-04
3472	127	-2.04	-5.41	-3.75	1.04e-03	0.0	-4.89e-05
3472	129	-0.74	-5.48	-3.69	1.03e-03	0.0	-3.03e-04
3472	140	3.27	1.66	-1.48	-3.14e-04	0.0	-4.14e-04
3472	159	-2.30	-6.08	-3.95	1.17e-03	0.0	-5.51e-05
3472	161	-0.84	-6.16	-3.89	1.16e-03	0.0	-3.42e-04
3472	172	3.10	1.64	-1.50	-3.08e-04	0.0	-4.06e-04
3472	191	-2.20	-5.99	-3.92	1.15e-03	0.0	-5.69e-05
3472	193	-0.85	-6.07	-3.87	1.14e-03	0.0	-3.42e-04
3472	204	3.54	1.91	-1.40	-3.64e-04	0.0	-4.71e-04
3472	223	-2.52	-6.95	-4.21	1.33e-03	0.0	-6.88e-05
3472	225	-0.99	-7.05	-4.15	1.32e-03	0.0	-4.06e-04
3473	4	0.08	2.75	-3.41	-3.43e-04	0.0	6.23e-06
3473	19	0.04	4.72	-1.30	-6.68e-04	0.0	1.44e-05
3473	28	0.08	-1.84	-3.74	3.23e-04	0.0	-7.93e-06
3473	68	0.06	1.83	-2.44	-2.26e-04	0.0	3.90e-06
3473	72	0.04	3.13	-1.47	-4.35e-04	0.0	8.86e-06
3473	80	0.06	-1.23	-2.66	2.18e-04	0.0	-5.54e-06
3473	98	0.05	-0.06	-2.21	4.33e-05	0.0	-2.45e-06

3473	102	0.03	0.59	-1.61	-6.34e-05	0.0	0.0
3473	107	0.05	-0.06	-2.13	4.13e-05	0.0	-2.41e-06
3473	108	3.70	1.59	-1.72	-2.15e-04	0.0	-3.88e-04
3473	129	-0.89	-5.99	-3.71	9.29e-04	0.0	-3.19e-04
3473	140	4.16	1.80	-1.66	-2.48e-04	0.0	-4.37e-04
3473	161	-1.01	-6.73	-3.91	1.04e-03	0.0	-3.59e-04
3473	172	3.95	1.77	-1.67	-2.44e-04	0.0	-4.28e-04
3473	193	-1.02	-6.63	-3.88	1.02e-03	0.0	-3.59e-04
3473	204	4.51	2.07	-1.59	-2.90e-04	0.0	-4.97e-04
3473	225	-1.20	-7.70	-4.17	1.18e-03	0.0	-4.26e-04
3474	4	0.14	2.72	-3.41	4.58e-04	0.0	4.66e-06
3474	19	0.06	4.71	-1.30	6.67e-04	0.0	1.23e-05
3474	28	0.14	-1.90	-3.74	-7.75e-05	0.0	-7.79e-06
3474	68	0.10	1.81	-2.44	3.08e-04	0.0	2.83e-06
3474	72	0.06	3.12	-1.47	4.56e-04	0.0	7.41e-06
3474	80	0.10	-1.27	-2.66	-4.89e-05	0.0	-5.47e-06
3474	98	0.08	-0.08	-2.22	4.34e-05	0.0	-2.74e-06
3474	102	0.06	0.58	-1.62	1.15e-04	0.0	0.0
3474	107	0.08	-0.08	-2.14	4.14e-05	0.0	-2.68e-06
3474	108	4.62	1.70	-1.73	-1.87e-04	0.0	-4.01e-04
3474	125	-0.75	-6.44	-3.70	8.25e-04	0.0	-3.24e-04
3474	129	-1.07	-6.45	-3.70	8.25e-04	0.0	-3.29e-04
3474	140	5.19	1.92	-1.68	-2.15e-04	0.0	-4.52e-04
3474	157	-0.85	-7.23	-3.90	9.23e-04	0.0	-3.65e-04
3474	161	-1.22	-7.24	-3.90	9.23e-04	0.0	-3.71e-04
3474	172	4.94	1.89	-1.68	-2.12e-04	0.0	-4.43e-04
3474	193	-1.23	-7.14	-3.87	9.09e-04	0.0	-3.71e-04
3474	204	5.64	2.21	-1.61	-2.53e-04	0.0	-5.14e-04
3474	225	-1.44	-8.28	-4.15	1.05e-03	0.0	-4.41e-04
3475	4	0.20	2.28	-3.37	1.14e-03	0.0	-1.12e-05
3475	19	0.08	4.03	-1.29	1.80e-03	0.0	-1.34e-05
3475	28	0.20	-1.76	-3.70	-4.19e-04	0.0	0.0
3475	68	0.14	1.51	-2.42	7.62e-04	0.0	-7.74e-06
3475	72	0.08	2.66	-1.45	1.21e-03	0.0	-9.83e-06
3475	80	0.14	-1.18	-2.64	-2.76e-04	0.0	0.0
3475	98	0.12	-0.10	-2.19	4.32e-05	0.0	-3.04e-06
3475	102	0.08	0.48	-1.60	2.66e-04	0.0	-3.99e-06
3475	107	0.11	-0.10	-2.12	4.13e-05	0.0	-2.97e-06
3475	108	5.52	2.06	-1.20	-1.81e-04	0.0	-4.11e-04
3475	127	-3.68	-6.79	-3.95	7.46e-04	0.0	-5.14e-05
3475	135	1.07	-6.81	-3.63	7.42e-04	0.0	3.25e-04
3475	140	6.20	2.33	-1.09	-2.09e-04	0.0	-4.62e-04
3475	159	-4.15	-7.62	-4.18	8.34e-04	0.0	-5.79e-05
3475	167	1.19	-7.65	-3.81	8.30e-04	0.0	3.67e-04
3475	172	5.91	2.29	-1.12	-2.05e-04	0.0	-4.54e-04
3475	191	-3.97	-7.51	-4.14	8.21e-04	0.0	-5.99e-05
3475	199	1.17	-7.54	-3.78	8.17e-04	0.0	3.64e-04
3475	204	6.75	2.68	-0.97	-2.45e-04	0.0	-5.28e-04
3475	223	-4.58	-8.71	-4.47	9.47e-04	0.0	-7.26e-05
3475	231	1.35	-8.75	-4.05	9.43e-04	0.0	4.28e-04
3476	4	0.20	2.28	-3.39	1.14e-03	0.0	-3.78e-06
3476	19	0.08	4.02	-1.30	1.80e-03	0.0	-1.12e-06
3476	28	0.20	-1.76	-3.72	-4.18e-04	0.0	-4.27e-06
3476	68	0.14	1.51	-2.43	7.62e-04	0.0	-2.82e-06
3476	72	0.08	2.66	-1.46	1.21e-03	0.0	-1.63e-06
3476	80	0.14	-1.18	-2.65	-2.76e-04	0.0	-3.14e-06
3476	98	0.12	-0.10	-2.21	4.34e-05	0.0	-3.04e-06
3476	102	0.08	0.48	-1.61	2.66e-04	0.0	-2.35e-06
3476	107	0.11	-0.10	-2.13	4.14e-05	0.0	-2.97e-06
3476	108	5.53	1.94	-1.44	-1.75e-04	0.0	-4.11e-04
3476	127	-3.68	-6.78	-3.82	7.44e-04	0.0	-5.14e-05
3476	140	6.20	2.20	-1.36	-2.02e-04	0.0	-4.62e-04
3476	159	-4.15	-7.61	-4.03	8.31e-04	0.0	-5.79e-05
3476	172	5.91	2.16	-1.38	-1.98e-04	0.0	-4.54e-04
3476	191	-3.97	-7.50	-3.99	8.18e-04	0.0	-5.99e-05
3476	204	6.75	2.53	-1.26	-2.37e-04	0.0	-5.28e-04
3476	223	-4.58	-8.70	-4.30	9.44e-04	0.0	-7.26e-05
3477	4	0.25	1.51	-3.38	1.63e-03	0.0	-7.46e-06
3477	19	0.10	2.80	-1.29	2.62e-03	0.0	-6.58e-06
3477	28	0.25	-1.45	-3.71	-6.63e-04	0.0	-3.17e-06
3477	68	0.18	1.00	-2.42	1.09e-03	0.0	-5.29e-06
3477	72	0.10	1.83	-1.46	1.76e-03	0.0	-5.35e-06
3477	80	0.17	-0.97	-2.64	-4.39e-04	0.0	-2.43e-06
3477	98	0.15	-0.12	-2.20	4.33e-05	0.0	-3.35e-06
3477	105	0.14	-0.39	-2.15	-1.22e-04	0.0	-2.83e-06

3477	107	0.14	-0.12	-2.12	4.13e-05	0.0	-3.27e-06
3477	108	6.37	2.14	-1.26	-1.64e-04	0.0	-4.19e-04
3477	127	-4.22	-7.14	-3.92	6.89e-04	0.0	-5.07e-05
3477	135	1.24	-7.15	-3.63	6.86e-04	0.0	3.29e-04
3477	140	7.15	2.42	-1.15	-1.89e-04	0.0	-4.72e-04
3477	159	-4.76	-8.01	-4.14	7.70e-04	0.0	-5.71e-05
3477	167	1.37	-8.03	-3.82	7.66e-04	0.0	3.71e-04
3477	172	6.81	2.39	-1.18	-1.85e-04	0.0	-4.64e-04
3477	191	-4.55	-7.89	-4.11	7.58e-04	0.0	-5.92e-05
3477	199	1.35	-7.92	-3.79	7.54e-04	0.0	3.69e-04
3477	204	7.79	2.79	-1.03	-2.22e-04	0.0	-5.40e-04
3477	223	-5.26	-9.15	-4.43	8.74e-04	0.0	-7.18e-05
3477	231	1.55	-9.19	-4.05	8.70e-04	0.0	4.35e-04
3478	4	0.25	1.51	-3.39	1.63e-03	0.0	-4.26e-06
3478	19	0.10	2.80	-1.30	2.62e-03	0.0	-1.25e-06
3478	28	0.25	-1.45	-3.72	-6.63e-04	0.0	-4.76e-06
3478	68	0.18	1.00	-2.43	1.09e-03	0.0	-3.16e-06
3478	72	0.11	1.83	-1.46	1.76e-03	0.0	-1.80e-06
3478	80	0.18	-0.97	-2.65	-4.39e-04	0.0	-3.49e-06
3478	98	0.15	-0.13	-2.21	4.34e-05	0.0	-3.35e-06
3478	105	0.14	-0.39	-2.16	-1.22e-04	0.0	-3.19e-06
3478	107	0.14	-0.12	-2.13	4.14e-05	0.0	-3.26e-06
3478	108	6.37	2.02	-1.44	-1.58e-04	0.0	-4.19e-04
3478	127	-4.22	-7.12	-3.82	6.87e-04	0.0	-5.07e-05
3478	140	7.15	2.29	-1.35	-1.83e-04	0.0	-4.72e-04
3478	159	-4.76	-7.99	-4.03	7.67e-04	0.0	-5.71e-05
3478	172	6.81	2.25	-1.38	-1.79e-04	0.0	-4.64e-04
3478	191	-4.55	-7.88	-4.00	7.55e-04	0.0	-5.92e-05
3478	204	7.79	2.64	-1.26	-2.15e-04	0.0	-5.40e-04
3478	223	-5.26	-9.14	-4.30	8.71e-04	0.0	-7.18e-05
3479	4	0.26	0.53	-3.39	-1.77e-03	1.98e-05	-2.29e-06
3479	28	0.26	-1.03	-3.72	1.13e-03	1.88e-05	-6.84e-06
3479	44	0.23	-1.52	-3.47	1.76e-03	1.62e-05	-6.98e-06
3479	68	0.18	0.34	-2.43	-1.17e-03	1.37e-05	-1.87e-06
3479	80	0.18	-0.70	-2.65	7.57e-04	1.31e-05	-4.90e-06
3479	88	0.16	-1.02	-2.48	1.18e-03	1.13e-05	-4.99e-06
3479	98	0.15	-0.15	-2.20	8.70e-05	1.02e-05	-3.81e-06
3479	105	0.14	-0.31	-2.16	3.02e-04	9.53e-06	-3.91e-06
3479	107	0.14	-0.14	-2.12	8.35e-05	9.64e-06	-3.70e-06
3479	108	6.58	2.22	-1.34	-2.24e-04	2.87e-04	-4.27e-04
3479	127	-4.35	-7.46	-3.88	1.02e-03	-1.79e-04	-4.99e-05
3479	135	1.27	-7.48	-3.64	1.03e-03	4.43e-05	3.32e-04
3479	140	7.38	2.51	-1.24	-2.62e-04	3.22e-04	-4.80e-04
3479	159	-4.91	-8.37	-4.10	1.14e-03	-2.02e-04	-5.62e-05
3479	167	1.41	-8.39	-3.83	1.15e-03	4.84e-05	3.75e-04
3479	172	7.04	2.47	-1.26	-2.55e-04	3.13e-04	-4.73e-04
3479	191	-4.70	-8.25	-4.06	1.12e-03	-1.96e-04	-5.84e-05
3479	199	1.39	-8.27	-3.80	1.13e-03	4.73e-05	3.73e-04
3479	204	8.05	2.90	-1.13	-3.10e-04	3.60e-04	-5.51e-04
3479	223	-5.43	-9.56	-4.38	1.29e-03	-2.28e-04	-7.09e-05
3479	231	1.59	-9.60	-4.06	1.30e-03	5.32e-05	4.40e-04
3480	4	0.26	0.53	-3.39	-1.82e-03	1.25e-05	-5.35e-06
3480	28	0.26	-1.03	-3.72	1.13e-03	1.16e-05	-4.99e-06
3480	44	0.23	-1.52	-3.47	1.78e-03	8.84e-06	-4.08e-06
3480	68	0.18	0.34	-2.43	-1.21e-03	8.07e-06	-3.90e-06
3480	80	0.18	-0.70	-2.65	7.57e-04	7.42e-06	-3.66e-06
3480	88	0.16	-1.03	-2.48	1.19e-03	5.61e-06	-3.06e-06
3480	98	0.15	-0.15	-2.21	7.64e-05	4.50e-06	-3.67e-06
3480	105	0.14	-0.31	-2.16	2.95e-04	3.86e-06	-3.42e-06
3480	107	0.14	-0.14	-2.13	7.33e-05	3.96e-06	-3.57e-06
3480	108	6.58	2.09	-1.44	-2.25e-04	2.94e-04	-4.27e-04
3480	127	-4.35	-7.44	-3.82	1.01e-03	-1.94e-04	-4.97e-05
3480	140	7.38	2.37	-1.35	-2.62e-04	3.30e-04	-4.80e-04
3480	159	-4.91	-8.35	-4.03	1.13e-03	-2.18e-04	-5.61e-05
3480	172	7.04	2.33	-1.37	-2.55e-04	3.20e-04	-4.73e-04
3480	191	-4.70	-8.23	-4.00	1.11e-03	-2.12e-04	-5.83e-05
3480	204	8.05	2.74	-1.25	-3.08e-04	3.70e-04	-5.51e-04
3480	223	-5.43	-9.55	-4.30	1.28e-03	-2.45e-04	-7.08e-05
3481	4	0.20	2.28	-3.41	1.14e-03	0.0	3.59e-06
3481	19	0.08	4.03	-1.30	1.80e-03	0.0	1.12e-05
3481	28	0.20	-1.76	-3.74	-4.18e-04	0.0	-7.96e-06
3481	68	0.14	1.51	-2.44	7.62e-04	0.0	2.10e-06
3481	72	0.08	2.66	-1.47	1.21e-03	0.0	6.57e-06
3481	80	0.14	-1.18	-2.66	-2.76e-04	0.0	-5.60e-06
3481	98	0.12	-0.10	-2.22	4.35e-05	0.0	-3.04e-06

3481	102	0.08	0.48	-1.61	2.66e-04	0.0	0.0
3481	107	0.11	-0.10	-2.13	4.15e-05	0.0	-2.97e-06
3481	108	5.52	1.79	-1.72	-1.63e-04	0.0	-4.11e-04
3481	125	-0.86	-6.82	-3.71	7.43e-04	0.0	-3.30e-04
3481	129	-1.25	-6.83	-3.71	7.42e-04	0.0	-3.35e-04
3481	140	6.20	2.02	-1.67	-1.88e-04	0.0	-4.62e-04
3481	161	-1.42	-7.67	-3.90	8.30e-04	0.0	-3.77e-04
3481	172	5.91	1.99	-1.68	-1.85e-04	0.0	-4.54e-04
3481	193	-1.43	-7.56	-3.87	8.17e-04	0.0	-3.79e-04
3481	204	6.75	2.33	-1.60	-2.22e-04	0.0	-5.28e-04
3481	225	-1.68	-8.77	-4.16	9.43e-04	0.0	-4.50e-04
3482	4	0.25	1.51	-3.41	1.63e-03	0.0	-1.07e-06
3482	19	0.10	2.80	-1.30	2.62e-03	0.0	4.07e-06
3482	28	0.25	-1.45	-3.74	-6.62e-04	0.0	-6.36e-06
3482	68	0.18	1.00	-2.44	1.09e-03	0.0	-1.03e-06
3482	72	0.11	1.83	-1.47	1.76e-03	0.0	1.75e-06
3482	80	0.18	-0.98	-2.66	-4.39e-04	0.0	-4.55e-06
3482	98	0.15	-0.13	-2.21	4.35e-05	0.0	-3.35e-06
3482	105	0.14	-0.39	-2.17	-1.22e-04	0.0	-3.54e-06
3482	107	0.14	-0.12	-2.13	4.15e-05	0.0	-3.26e-06
3482	108	6.37	1.86	-1.60	-1.46e-04	0.0	-4.19e-04
3482	129	-1.42	-7.17	-3.72	6.85e-04	0.0	-3.39e-04
3482	140	7.15	2.11	-1.54	-1.69e-04	0.0	-4.72e-04
3482	161	-1.61	-8.05	-3.92	7.66e-04	0.0	-3.83e-04
3482	172	6.82	2.08	-1.55	-1.66e-04	0.0	-4.64e-04
3482	193	-1.63	-7.94	-3.89	7.53e-04	0.0	-3.85e-04
3482	204	7.79	2.43	-1.46	-2.00e-04	0.0	-5.40e-04
3482	225	-1.91	-9.21	-4.18	8.69e-04	0.0	-4.57e-04
3483	4	0.26	0.53	-3.40	-1.72e-03	3.87e-06	-7.81e-06
3483	28	0.26	-1.04	-3.73	1.08e-03	2.81e-06	-3.48e-06
3483	44	0.23	-1.53	-3.47	1.70e-03	0.0	-1.74e-06
3483	68	0.18	0.34	-2.43	-1.14e-03	1.52e-06	-5.53e-06
3483	80	0.18	-0.70	-2.65	7.23e-04	0.0	-2.65e-06
3483	88	0.16	-1.03	-2.49	1.14e-03	0.0	-1.49e-06
3483	98	0.15	-0.15	-2.21	7.49e-05	-1.85e-06	-3.55e-06
3483	105	0.14	-0.31	-2.16	2.83e-04	-2.46e-06	-3.02e-06
3483	107	0.14	-0.14	-2.13	7.18e-05	-2.34e-06	-3.45e-06
3483	108	6.58	1.93	-1.53	-2.14e-04	2.85e-04	-4.27e-04
3483	127	-4.35	-7.41	-3.76	9.83e-04	-1.99e-04	-4.96e-05
3483	129	-1.46	-7.49	-3.70	9.82e-04	-6.77e-05	-3.43e-04
3483	140	7.38	2.19	-1.46	-2.50e-04	3.21e-04	-4.80e-04
3483	159	-4.91	-8.32	-3.96	1.10e-03	-2.23e-04	-5.60e-05
3483	161	-1.66	-8.41	-3.89	1.09e-03	-7.59e-05	-3.87e-04
3483	172	7.04	2.15	-1.47	-2.42e-04	3.11e-04	-4.73e-04
3483	191	-4.70	-8.20	-3.93	1.08e-03	-2.16e-04	-5.82e-05
3483	193	-1.68	-8.29	-3.87	1.08e-03	-7.50e-05	-3.90e-04
3483	204	8.05	2.53	-1.37	-2.93e-04	3.60e-04	-5.50e-04
3483	223	-5.43	-9.51	-4.23	1.24e-03	-2.50e-04	-7.07e-05
3483	225	-1.97	-9.62	-4.15	1.24e-03	-8.58e-05	-4.64e-04
3484	18	0.02	0.82	-2.63	6.64e-04	-9.52e-05	-1.23e-05
3484	28	0.02	-0.47	-3.43	9.27e-04	-8.60e-05	1.11e-05
3484	75	0.01	0.55	-1.89	4.84e-04	-7.50e-05	-7.88e-06
3484	80	0.02	-0.32	-2.43	6.59e-04	-6.89e-05	7.71e-06
3484	98	0.01	7.78e-03	-1.99	5.32e-04	-7.27e-05	2.97e-06
3484	103	0.01	0.12	-1.87	4.98e-04	-7.43e-05	0.0
3484	105	0.01	-0.10	-1.94	5.28e-04	-7.37e-05	4.44e-06
3484	107	0.01	7.54e-03	-1.91	5.13e-04	-7.40e-05	2.92e-06
3484	113	2.61	-2.10	-1.68	7.88e-04	1.22e-04	-2.82e-04
3484	127	-1.84	-4.08	-3.90	1.14e-03	-5.67e-05	-1.79e-05
3484	130	0.69	4.62	-0.25	-1.70e-04	-1.83e-04	2.19e-04
3484	145	2.93	-2.36	-1.65	8.23e-04	1.46e-04	-3.18e-04
3484	159	-2.07	-4.59	-4.15	1.22e-03	-5.47e-05	-2.10e-05
3484	162	0.78	5.20	-0.04	-2.56e-04	-1.97e-04	2.47e-04
3484	177	2.77	-2.33	-1.69	8.17e-04	1.43e-04	-3.15e-04
3484	191	-1.97	-4.53	-4.11	1.21e-03	-5.53e-05	-2.26e-05
3484	194	0.79	5.14	-0.04	-2.46e-04	-1.95e-04	2.51e-04
3484	209	3.16	-2.72	-1.68	8.66e-04	1.79e-04	-3.70e-04
3484	223	-2.27	-5.28	-4.46	1.32e-03	-5.24e-05	-2.90e-05
3484	226	0.92	6.00	0.27	-3.71e-04	-2.16e-04	2.99e-04
3485	19	6.54e-03	1.08	-1.08	-3.77e-04	0.0	-1.83e-04
3485	28	0.02	-0.61	-3.42	2.28e-04	0.0	4.45e-05
3485	44	0.02	-1.01	-3.18	3.28e-04	0.0	8.34e-05
3485	72	6.19e-03	0.72	-1.24	-2.41e-04	0.0	-1.23e-04
3485	80	0.01	-0.41	-2.42	1.55e-04	0.0	2.95e-05
3485	88	0.01	-0.67	-2.26	2.21e-04	0.0	5.54e-05

3485	98	7.21e-03	-0.01	-1.98	3.93e-05	0.0	-6.08e-06
3485	105	7.52e-03	-0.14	-1.94	7.35e-05	0.0	6.69e-06
3485	107	6.87e-03	-0.01	-1.90	3.76e-05	0.0	-5.69e-06
3485	108	2.78	0.54	-0.73	-4.92e-04	0.0	-3.29e-04
3485	127	-1.97	-4.62	-3.91	1.12e-03	0.0	-2.25e-05
3485	129	-0.72	-5.18	-3.57	9.90e-04	0.0	-2.39e-04
3485	140	3.13	0.61	-0.59	-5.58e-04	0.0	-3.70e-04
3485	159	-2.21	-5.20	-4.16	1.25e-03	0.0	-2.50e-05
3485	161	-0.81	-5.83	-3.78	1.11e-03	0.0	-2.69e-04
3485	177	2.96	-2.55	-1.68	7.68e-05	0.0	-3.69e-04
3485	191	-2.11	-5.14	-4.11	1.23e-03	0.0	-2.63e-05
3485	193	-0.82	-5.77	-3.77	1.10e-03	0.0	-2.75e-04
3485	209	3.38	-2.96	-1.66	9.07e-05	0.0	-4.32e-04
3485	223	-2.42	-5.98	-4.47	1.42e-03	0.0	-3.14e-05
3485	225	-0.96	-6.73	-4.08	1.28e-03	0.0	-3.28e-04
3486	19	6.26e-03	1.00	-1.05	-2.86e-04	0.0	-1.60e-04
3486	28	0.02	-0.59	-3.40	2.10e-04	0.0	3.59e-05
3486	44	0.02	-0.97	-3.15	2.92e-04	0.0	7.03e-05
3486	72	6.10e-03	0.67	-1.22	-1.79e-04	0.0	-1.08e-04
3486	80	0.01	-0.40	-2.40	1.43e-04	0.0	2.37e-05
3486	88	0.01	-0.65	-2.24	1.97e-04	0.0	4.66e-05
3486	98	7.25e-03	-0.01	-1.96	4.45e-05	0.0	-7.01e-06
3486	105	7.71e-03	-0.14	-1.92	7.25e-05	0.0	4.23e-06
3486	107	6.96e-03	-0.01	-1.88	4.25e-05	0.0	-6.58e-06
3486	113	2.78	-2.44	-1.79	8.69e-05	0.0	-3.32e-04
3486	127	-1.97	-4.58	-3.78	1.08e-03	0.0	-2.29e-05
3486	129	-0.71	-5.22	-3.51	9.67e-04	0.0	-2.40e-04
3486	145	3.13	-2.75	-1.78	9.24e-05	0.0	-3.73e-04
3486	159	-2.21	-5.15	-4.02	1.21e-03	0.0	-2.54e-05
3486	161	-0.81	-5.88	-3.71	1.08e-03	0.0	-2.71e-04
3486	177	2.96	-2.70	-1.81	1.03e-04	0.0	-3.73e-04
3486	191	-2.11	-5.09	-3.98	1.20e-03	0.0	-2.67e-05
3486	193	-0.82	-5.82	-3.70	1.07e-03	0.0	-2.77e-04
3486	209	3.38	-3.14	-1.81	1.19e-04	0.0	-4.37e-04
3486	223	-2.42	-5.92	-4.32	1.38e-03	0.0	-3.19e-05
3486	225	-0.95	-6.79	-4.00	1.24e-03	0.0	-3.30e-04
3487	18	0.02	0.82	-2.60	6.65e-04	-6.53e-05	5.82e-06
3487	28	0.02	-0.47	-3.40	9.28e-04	-5.00e-05	1.39e-05
3487	44	0.02	-0.80	-3.15	8.87e-04	-5.97e-05	1.52e-05
3487	75	0.01	0.55	-1.87	4.85e-04	-5.38e-05	4.48e-06
3487	80	0.02	-0.31	-2.40	6.60e-04	-4.36e-05	9.88e-06
3487	88	0.02	-0.53	-2.24	6.33e-04	-5.01e-05	1.08e-05
3487	98	0.01	8.97e-03	-1.96	5.32e-04	-5.09e-05	6.90e-06
3487	103	0.01	0.12	-1.84	4.99e-04	-5.37e-05	6.18e-06
3487	105	0.01	-0.10	-1.92	5.28e-04	-5.29e-05	7.44e-06
3487	107	0.01	8.71e-03	-1.88	5.14e-04	-5.33e-05	6.71e-06
3487	113	2.61	-2.22	-1.79	8.01e-04	3.08e-04	-2.80e-04
3487	127	-1.84	-4.05	-3.78	1.14e-03	-2.85e-04	-1.54e-05
3487	130	0.69	4.67	-0.26	-1.77e-04	1.50e-05	2.25e-04
3487	145	2.93	-2.50	-1.78	8.37e-04	3.53e-04	-3.16e-04
3487	159	-2.07	-4.56	-4.02	1.22e-03	-3.14e-04	-1.86e-05
3487	162	0.78	5.26	-0.05	-2.63e-04	2.36e-05	2.53e-04
3487	177	2.77	-2.47	-1.81	8.31e-04	3.40e-04	-3.13e-04
3487	191	-1.97	-4.51	-3.98	1.21e-03	-3.06e-04	-2.04e-05
3487	194	0.79	5.21	-0.06	-2.53e-04	2.23e-05	2.57e-04
3487	209	3.16	-2.88	-1.82	8.82e-04	4.02e-04	-3.68e-04
3487	223	-2.26	-5.25	-4.32	1.32e-03	-3.45e-04	-2.72e-05
3487	226	0.92	6.08	0.24	-3.80e-04	3.32e-05	3.06e-04
3488	19	-4.42e-04	1.29	-1.07	-2.27e-04	0.0	-3.36e-04
3488	28	7.37e-03	-0.73	-3.41	1.91e-04	0.0	7.51e-05
3488	44	8.05e-03	-1.18	-3.17	2.61e-04	0.0	1.45e-04
3488	72	-7.27e-04	0.85	-1.24	-1.40e-04	0.0	-2.27e-04
3488	80	4.46e-03	-0.49	-2.42	1.30e-04	0.0	4.93e-05
3488	88	4.91e-03	-0.79	-2.25	1.77e-04	0.0	9.57e-05
3488	97	-1.90e-03	-0.02	-1.42	3.04e-05	0.0	-9.10e-06
3488	98	4.59e-04	-0.03	-1.98	4.36e-05	0.0	-1.42e-05
3488	105	8.54e-04	-0.18	-1.93	6.78e-05	0.0	8.71e-06
3488	106	-1.90e-03	-0.02	-1.42	3.04e-05	0.0	-9.10e-06
3488	107	1.21e-04	-0.03	-1.90	4.17e-05	0.0	-1.34e-05
3488	108	3.02	0.61	-0.70	-4.17e-04	0.0	-4.70e-04
3488	127	-2.14	-5.14	-3.92	1.05e-03	0.0	2.61e-04
3488	129	-0.78	-5.75	-3.57	9.45e-04	0.0	1.87e-05
3488	140	3.39	0.69	-0.55	-4.74e-04	0.0	-5.28e-04
3488	159	-2.40	-5.78	-4.17	1.17e-03	0.0	2.96e-04
3488	161	-0.88	-6.47	-3.78	1.06e-03	0.0	2.23e-05

3488	177	3.22	-2.78	-1.64	1.33e-04	0.0	-4.31e-04
3488	191	-2.29	-5.72	-4.13	1.15e-03	0.0	2.98e-04
3488	193	-0.89	-6.39	-3.77	1.05e-03	0.0	1.83e-05
3488	209	3.68	-3.22	-1.62	1.53e-04	0.0	-5.04e-04
3488	223	-2.63	-6.65	-4.48	1.33e-03	0.0	3.54e-04
3488	225	-1.03	-7.45	-4.08	1.21e-03	0.0	2.01e-05
3489	19	3.14e-03	1.14	-1.05	-1.94e-04	0.0	-2.77e-04
3489	28	0.01	-0.70	-3.40	1.85e-04	0.0	5.72e-05
3489	44	0.01	-1.12	-3.15	2.48e-04	0.0	1.15e-04
3489	72	2.95e-03	0.75	-1.22	-1.17e-04	0.0	-1.88e-04
3489	80	8.38e-03	-0.47	-2.40	1.27e-04	0.0	3.73e-05
3489	88	9.03e-03	-0.75	-2.24	1.69e-04	0.0	7.60e-05
3489	98	4.25e-03	-0.04	-1.96	4.60e-05	0.0	-1.43e-05
3489	105	4.73e-03	-0.18	-1.92	6.80e-05	0.0	4.62e-06
3489	107	3.93e-03	-0.04	-1.88	4.40e-05	0.0	-1.36e-05
3489	113	3.04	-2.67	-1.79	1.23e-04	0.0	-3.86e-04
3489	127	-2.15	-5.08	-3.78	1.04e-03	0.0	2.60e-04
3489	129	-0.78	-5.77	-3.50	9.34e-04	0.0	1.68e-05
3489	145	3.42	-3.00	-1.78	1.33e-04	0.0	-4.33e-04
3489	159	-2.41	-5.71	-4.02	1.16e-03	0.0	2.95e-04
3489	161	-0.88	-6.49	-3.71	1.05e-03	0.0	2.03e-05
3489	177	3.24	-2.94	-1.81	1.39e-04	0.0	-4.35e-04
3489	191	-2.31	-5.65	-3.98	1.14e-03	0.0	2.97e-04
3489	193	-0.89	-6.43	-3.70	1.04e-03	0.0	1.65e-05
3489	209	3.71	-3.42	-1.82	1.58e-04	0.0	-5.09e-04
3489	223	-2.65	-6.57	-4.32	1.32e-03	0.0	3.54e-04
3489	225	-1.04	-7.49	-4.00	1.20e-03	0.0	1.83e-05
3490	19	0.03	1.32	-1.06	-8.90e-05	0.0	-2.72e-04
3490	28	0.06	-0.81	-3.40	1.58e-04	0.0	5.65e-05
3490	72	0.03	0.87	-1.23	-4.70e-05	0.0	-1.85e-04
3490	80	0.05	-0.55	-2.40	1.08e-04	0.0	3.68e-05
3490	98	0.04	-0.06	-1.96	4.79e-05	0.0	-1.38e-05
3490	105	0.03	-0.21	-1.92	6.28e-05	0.0	4.71e-06
3490	107	0.03	-0.05	-1.88	4.58e-05	0.0	-1.31e-05
3490	113	3.81	-2.74	-1.56	4.18e-04	0.0	-4.09e-04
3490	127	-2.62	-5.62	-3.94	8.91e-04	0.0	-3.60e-05
3490	129	-0.93	-6.27	-3.57	9.69e-04	0.0	-2.94e-04
3490	145	4.28	-3.08	-1.52	4.65e-04	0.0	-4.59e-04
3490	159	-2.95	-6.32	-4.20	9.97e-04	0.0	-3.92e-05
3490	161	-1.05	-7.05	-3.78	1.08e-03	0.0	-3.31e-04
3490	177	4.07	-3.01	-1.57	4.55e-04	0.0	-4.60e-04
3490	191	-2.82	-6.25	-4.16	9.85e-04	0.0	-4.03e-05
3490	193	-1.06	-6.97	-3.77	1.07e-03	0.0	-3.38e-04
3490	209	4.65	-3.49	-1.54	5.20e-04	0.0	-5.39e-04
3490	223	-3.25	-7.26	-4.52	1.14e-03	0.0	-4.63e-05
3490	225	-1.24	-8.11	-4.09	1.24e-03	0.0	-4.03e-04
3491	28	0.07	-0.79	-3.39	1.62e-04	0.0	5.00e-05
3491	44	0.06	-1.23	-3.15	2.07e-04	0.0	1.02e-04
3491	80	0.05	-0.53	-2.40	1.11e-04	0.0	3.26e-05
3491	88	0.04	-0.82	-2.23	1.41e-04	0.0	6.75e-05
3491	98	0.04	-0.06	-1.96	4.73e-05	0.0	-1.39e-05
3491	105	0.04	-0.21	-1.91	6.35e-05	0.0	3.25e-06
3491	107	0.03	-0.06	-1.88	4.53e-05	0.0	-1.32e-05
3491	113	3.81	-2.89	-1.80	4.35e-04	0.0	-4.11e-04
3491	127	-2.62	-5.56	-3.77	8.96e-04	0.0	-3.53e-05
3491	129	-0.92	-6.30	-3.50	9.84e-04	0.0	-2.94e-04
3491	145	4.28	-3.25	-1.79	4.84e-04	0.0	-4.61e-04
3491	159	-2.95	-6.25	-4.01	1.00e-03	0.0	-3.85e-05
3491	161	-1.05	-7.08	-3.70	1.10e-03	0.0	-3.31e-04
3491	177	4.06	-3.19	-1.82	4.74e-04	0.0	-4.62e-04
3491	191	-2.82	-6.18	-3.97	9.91e-04	0.0	-3.97e-05
3491	193	-1.06	-7.01	-3.69	1.09e-03	0.0	-3.39e-04
3491	209	4.65	-3.70	-1.82	5.42e-04	0.0	-5.42e-04
3491	223	-3.24	-7.19	-4.31	1.15e-03	0.0	-4.57e-05
3491	225	-1.24	-8.17	-3.99	1.26e-03	0.0	-4.03e-04
3492	28	0.12	-0.89	-3.39	1.39e-04	0.0	5.05e-05
3492	44	0.11	-1.37	-3.14	1.66e-04	0.0	9.82e-05
3492	80	0.09	-0.60	-2.40	9.61e-05	0.0	3.30e-05
3492	88	0.08	-0.92	-2.23	1.14e-04	0.0	6.48e-05
3492	98	0.07	-0.08	-1.96	5.00e-05	0.0	-1.04e-05
3492	105	0.07	-0.25	-1.92	5.99e-05	0.0	5.27e-06
3492	107	0.07	-0.08	-1.88	4.77e-05	0.0	-9.89e-06
3492	113	4.59	-2.96	-1.53	4.22e-04	0.0	-4.16e-04
3492	127	-3.11	-6.07	-3.96	8.43e-04	0.0	-2.88e-05
3492	129	-1.07	-6.76	-3.57	9.19e-04	0.0	-2.97e-04

3492	145	5.16	-3.32	-1.49	4.69e-04	0.0	-4.67e-04
3492	159	-3.50	-6.82	-4.22	9.42e-04	0.0	-3.16e-05
3492	161	-1.22	-7.59	-3.78	1.03e-03	0.0	-3.34e-04
3492	177	4.91	-3.25	-1.53	4.64e-04	0.0	-4.68e-04
3492	191	-3.35	-6.74	-4.17	9.29e-04	0.0	-3.36e-05
3492	193	-1.23	-7.51	-3.77	1.02e-03	0.0	-3.42e-04
3492	209	5.61	-3.76	-1.50	5.34e-04	0.0	-5.48e-04
3492	223	-3.86	-7.84	-4.54	1.07e-03	0.0	-3.97e-05
3492	225	-1.44	-8.74	-4.09	1.18e-03	0.0	-4.09e-04
3493	28	0.12	-0.87	-3.39	1.46e-04	0.0	4.56e-05
3493	44	0.11	-1.33	-3.15	1.79e-04	0.0	8.99e-05
3493	80	0.09	-0.58	-2.40	1.00e-04	0.0	2.98e-05
3493	88	0.08	-0.89	-2.23	1.22e-04	0.0	5.93e-05
3493	98	0.07	-0.09	-1.96	4.81e-05	0.0	-1.04e-05
3493	105	0.07	-0.24	-1.91	6.03e-05	0.0	4.19e-06
3493	107	0.07	-0.08	-1.88	4.60e-05	0.0	-9.86e-06
3493	113	4.59	-3.12	-1.80	4.30e-04	0.0	-4.16e-04
3493	127	-3.11	-6.02	-3.77	8.57e-04	0.0	-2.84e-05
3493	129	-1.07	-6.80	-3.50	9.42e-04	0.0	-2.97e-04
3493	145	5.16	-3.50	-1.79	4.78e-04	0.0	-4.67e-04
3493	159	-3.50	-6.76	-4.00	9.59e-04	0.0	-3.12e-05
3493	161	-1.22	-7.64	-3.70	1.05e-03	0.0	-3.34e-04
3493	177	4.91	-3.44	-1.82	4.72e-04	0.0	-4.68e-04
3493	191	-3.35	-6.68	-3.97	9.47e-04	0.0	-3.32e-05
3493	193	-1.23	-7.56	-3.69	1.04e-03	0.0	-3.42e-04
3493	209	5.61	-3.98	-1.83	5.43e-04	0.0	-5.49e-04
3493	223	-3.86	-7.77	-4.30	1.09e-03	0.0	-3.94e-05
3493	225	-1.44	-8.81	-3.99	1.21e-03	0.0	-4.08e-04
3494	28	0.02	-0.58	-3.38	1.97e-04	0.0	1.71e-05
3494	44	0.02	-0.94	-3.13	2.59e-04	0.0	4.16e-05
3494	80	0.01	-0.39	-2.39	1.35e-04	0.0	1.09e-05
3494	88	0.01	-0.63	-2.22	1.76e-04	0.0	2.73e-05
3494	98	7.02e-03	-0.02	-1.94	5.27e-05	0.0	-9.21e-06
3494	105	7.58e-03	-0.14	-1.90	7.45e-05	0.0	-1.29e-06
3494	107	6.77e-03	-0.02	-1.86	5.04e-05	0.0	-8.70e-06
3494	113	2.78	-2.58	-1.93	1.10e-04	0.0	-3.42e-04
3494	127	-1.97	-4.53	-3.65	1.05e-03	0.0	-2.35e-05
3494	129	-0.71	-5.26	-3.44	9.43e-04	0.0	-2.44e-04
3494	145	3.13	-2.90	-1.94	1.18e-04	0.0	-3.85e-04
3494	159	-2.21	-5.10	-3.87	1.18e-03	0.0	-2.58e-05
3494	161	-0.81	-5.92	-3.63	1.05e-03	0.0	-2.75e-04
3494	177	2.96	-2.86	-1.96	1.24e-04	0.0	-3.85e-04
3494	191	-2.11	-5.04	-3.84	1.16e-03	0.0	-2.76e-05
3494	193	-0.82	-5.87	-3.62	1.04e-03	0.0	-2.82e-04
3494	209	3.38	-3.33	-1.98	1.40e-04	0.0	-4.51e-04
3494	225	-0.95	-6.85	-3.90	1.21e-03	0.0	-3.36e-04
3494	227	-2.14	-5.82	-4.16	1.35e-03	0.0	-2.63e-05
3495	18	0.02	0.82	-2.58	6.66e-04	-3.93e-05	1.18e-05
3495	28	0.02	-0.46	-3.39	9.28e-04	-1.75e-05	1.82e-05
3495	44	0.02	-0.79	-3.14	8.88e-04	-3.20e-05	1.86e-05
3495	75	0.01	0.55	-1.86	4.85e-04	-3.56e-05	8.71e-06
3495	80	0.02	-0.31	-2.40	6.60e-04	-2.10e-05	1.29e-05
3495	88	0.02	-0.53	-2.23	6.33e-04	-3.08e-05	1.32e-05
3495	98	0.01	0.01	-1.95	5.33e-04	-3.18e-05	9.87e-06
3495	103	0.01	0.12	-1.83	4.99e-04	-3.59e-05	9.27e-06
3495	105	0.01	-0.09	-1.91	5.29e-04	-3.49e-05	1.02e-05
3495	107	0.01	0.01	-1.87	5.14e-04	-3.54e-05	9.57e-06
3495	113	2.61	-2.35	-1.93	8.14e-04	4.23e-04	-2.78e-04
3495	127	-1.83	-4.03	-3.66	1.14e-03	-3.30e-04	-1.32e-05
3495	130	0.69	4.73	-0.29	-1.83e-04	5.23e-05	2.29e-04
3495	145	2.93	-2.64	-1.94	8.51e-04	4.80e-04	-3.14e-04
3495	159	-2.06	-4.53	-3.88	1.22e-03	-3.66e-04	-1.65e-05
3495	162	0.78	5.33	-0.09	-2.71e-04	6.33e-05	2.58e-04
3495	177	2.77	-2.61	-1.96	8.45e-04	4.62e-04	-3.11e-04
3495	191	-1.97	-4.48	-3.85	1.21e-03	-3.54e-04	-1.83e-05
3495	194	0.79	5.28	-0.11	-2.61e-04	6.21e-05	2.61e-04
3495	209	3.15	-3.04	-1.98	8.98e-04	5.39e-04	-3.66e-04
3495	226	0.92	6.16	0.18	-3.89e-04	7.65e-05	3.11e-04
3495	227	-2.00	-5.17	-4.17	1.32e-03	-3.60e-04	-1.37e-05
3496	28	0.01	-0.68	-3.38	1.78e-04	0.0	2.58e-05
3496	44	0.02	-1.07	-3.13	2.33e-04	0.0	6.48e-05
3496	80	0.01	-0.45	-2.39	1.22e-04	0.0	1.63e-05
3496	88	0.01	-0.72	-2.22	1.58e-04	0.0	4.23e-05
3496	98	6.26e-03	-0.04	-1.94	4.88e-05	0.0	-1.58e-05
3496	105	6.82e-03	-0.17	-1.90	6.81e-05	0.0	-3.22e-06

3496	107	5.98e-03	-0.04	-1.86	4.68e-05	0.0	-1.50e-05
3496	113	3.06	-2.82	-1.93	1.22e-04	0.0	-4.04e-04
3496	127	-2.15	-5.02	-3.65	1.03e-03	0.0	-3.52e-05
3496	129	-0.78	-5.80	-3.43	1.03e-03	0.0	-2.86e-04
3496	145	3.44	-3.16	-1.94	1.32e-04	0.0	-4.53e-04
3496	159	-2.42	-5.65	-3.87	1.15e-03	0.0	-3.81e-05
3496	161	-0.88	-6.53	-3.63	1.15e-03	0.0	-3.21e-04
3496	177	3.26	-3.11	-1.96	1.35e-04	0.0	-4.54e-04
3496	191	-2.31	-5.59	-3.84	1.13e-03	0.0	-3.95e-05
3496	193	-0.89	-6.47	-3.61	1.14e-03	0.0	-3.29e-04
3496	209	3.73	-3.62	-1.98	1.52e-04	0.0	-5.32e-04
3496	225	-1.04	-7.54	-3.90	1.32e-03	0.0	-3.91e-04
3496	227	-2.35	-6.44	-4.16	1.18e-03	0.0	-4.50e-05
3497	28	0.07	-0.76	-3.38	1.63e-04	0.0	2.81e-05
3497	44	0.06	-1.18	-3.13	2.10e-04	0.0	6.61e-05
3497	80	0.05	-0.51	-2.39	1.12e-04	0.0	1.79e-05
3497	88	0.04	-0.79	-2.22	1.43e-04	0.0	4.33e-05
3497	98	0.04	-0.07	-1.94	4.66e-05	0.0	-1.41e-05
3497	105	0.04	-0.21	-1.90	6.33e-05	0.0	-1.75e-06
3497	107	0.03	-0.06	-1.86	4.46e-05	0.0	-1.34e-05
3497	113	3.81	-3.05	-1.93	4.54e-04	0.0	-4.18e-04
3497	127	-2.62	-5.50	-3.64	8.99e-04	0.0	-3.21e-05
3497	129	-0.92	-6.33	-3.43	9.98e-04	0.0	-2.95e-04
3497	145	4.28	-3.43	-1.94	5.05e-04	0.0	-4.70e-04
3497	159	-2.95	-6.18	-3.86	1.01e-03	0.0	-3.49e-05
3497	161	-1.05	-7.12	-3.63	1.12e-03	0.0	-3.31e-04
3497	177	4.06	-3.37	-1.95	4.94e-04	0.0	-4.71e-04
3497	191	-2.82	-6.11	-3.83	9.94e-04	0.0	-3.67e-05
3497	193	-1.06	-7.05	-3.61	1.10e-03	0.0	-3.40e-04
3497	209	4.64	-3.91	-1.98	5.66e-04	0.0	-5.52e-04
3497	225	-1.24	-8.22	-3.90	1.28e-03	0.0	-4.04e-04
3497	227	-2.86	-7.05	-4.15	1.14e-03	0.0	-4.06e-05
3498	28	0.12	-0.85	-3.38	1.51e-04	0.0	2.82e-05
3498	44	0.11	-1.29	-3.13	1.92e-04	0.0	6.09e-05
3498	80	0.09	-0.57	-2.38	1.04e-04	0.0	1.82e-05
3498	88	0.08	-0.86	-2.22	1.31e-04	0.0	4.00e-05
3498	98	0.07	-0.09	-1.94	4.59e-05	0.0	-1.02e-05
3498	105	0.07	-0.24	-1.90	6.04e-05	0.0	0.0
3498	107	0.07	-0.09	-1.86	4.39e-05	0.0	-9.71e-06
3498	113	4.59	-3.29	-1.93	4.45e-04	0.0	-4.17e-04
3498	127	-3.11	-5.96	-3.64	8.73e-04	0.0	-2.67e-05
3498	129	-1.07	-6.85	-3.43	9.69e-04	0.0	-2.95e-04
3498	145	5.16	-3.69	-1.94	4.95e-04	0.0	-4.69e-04
3498	159	-3.50	-6.70	-3.86	9.77e-04	0.0	-2.94e-05
3498	161	-1.22	-7.69	-3.62	1.08e-03	0.0	-3.33e-04
3498	177	4.91	-3.63	-1.95	4.86e-04	0.0	-4.70e-04
3498	191	-3.35	-6.62	-3.83	9.66e-04	0.0	-3.18e-05
3498	193	-1.23	-7.62	-3.61	1.07e-03	0.0	-3.42e-04
3498	209	5.61	-4.21	-1.98	5.58e-04	0.0	-5.51e-04
3498	225	-1.44	-8.88	-3.89	1.24e-03	0.0	-4.08e-04
3498	227	-3.40	-7.64	-4.15	1.11e-03	0.0	-3.11e-05
3499	4	0.18	0.65	-3.05	9.14e-05	0.0	-1.15e-04
3499	28	0.18	-0.95	-3.38	1.22e-04	0.0	4.14e-05
3499	44	0.16	-1.44	-3.14	1.36e-04	0.0	7.78e-05
3499	68	0.13	0.43	-2.17	6.42e-05	0.0	-7.73e-05
3499	80	0.13	-0.64	-2.39	8.45e-05	0.0	2.71e-05
3499	88	0.11	-0.97	-2.23	9.41e-05	0.0	5.14e-05
3499	98	0.10	-0.11	-1.96	5.00e-05	0.0	-6.84e-06
3499	105	0.10	-0.27	-1.91	5.59e-05	0.0	5.18e-06
3499	107	0.10	-0.10	-1.88	4.78e-05	0.0	-6.54e-06
3499	113	5.35	-3.16	-1.53	4.32e-04	0.0	-4.15e-04
3499	127	-3.57	-6.48	-3.96	8.04e-04	0.0	-2.76e-05
3499	129	-1.21	-7.20	-3.56	8.85e-04	0.0	-3.02e-04
3499	145	6.00	-3.54	-1.48	4.80e-04	0.0	-4.67e-04
3499	159	-4.03	-7.28	-4.22	8.99e-04	0.0	-3.08e-05
3499	161	-1.38	-8.09	-3.78	9.90e-04	0.0	-3.41e-04
3499	177	5.72	-3.48	-1.53	4.76e-04	0.0	-4.66e-04
3499	191	-3.85	-7.19	-4.17	8.86e-04	0.0	-3.32e-05
3499	193	-1.39	-8.00	-3.77	9.80e-04	0.0	-3.49e-04
3499	209	6.54	-4.02	-1.49	5.48e-04	0.0	-5.46e-04
3499	223	-4.45	-8.36	-4.54	1.02e-03	0.0	-4.05e-05
3499	225	-1.64	-9.31	-4.09	1.13e-03	0.0	-4.17e-04
3500	4	0.18	0.61	-3.06	6.20e-05	0.0	-1.07e-04
3500	28	0.18	-0.94	-3.39	1.32e-04	0.0	3.74e-05
3500	44	0.16	-1.41	-3.14	1.56e-04	0.0	7.11e-05

3500	68	0.12	0.40	-2.18	4.45e-05	0.0	-7.17e-05
3500	80	0.12	-0.63	-2.40	9.13e-05	0.0	2.45e-05
3500	88	0.11	-0.95	-2.23	1.07e-04	0.0	4.69e-05
3500	98	0.10	-0.11	-1.96	4.84e-05	0.0	-6.72e-06
3500	105	0.10	-0.27	-1.91	5.74e-05	0.0	4.37e-06
3500	107	0.10	-0.11	-1.88	4.62e-05	0.0	-6.43e-06
3500	113	5.35	-3.33	-1.80	4.27e-04	0.0	-4.15e-04
3500	127	-3.58	-6.44	-3.77	8.26e-04	0.0	-2.76e-05
3500	129	-1.22	-7.26	-3.50	9.10e-04	0.0	-3.02e-04
3500	145	6.00	-3.74	-1.79	4.74e-04	0.0	-4.66e-04
3500	159	-4.03	-7.23	-4.00	9.24e-04	0.0	-3.08e-05
3500	161	-1.38	-8.16	-3.70	1.02e-03	0.0	-3.41e-04
3500	177	5.72	-3.67	-1.82	4.70e-04	0.0	-4.65e-04
3500	191	-3.86	-7.15	-3.96	9.12e-04	0.0	-3.33e-05
3500	193	-1.39	-8.07	-3.69	1.01e-03	0.0	-3.49e-04
3500	209	6.54	-4.25	-1.83	5.41e-04	0.0	-5.45e-04
3500	223	-4.45	-8.30	-4.30	1.05e-03	0.0	-4.07e-05
3500	225	-1.64	-9.40	-3.99	1.17e-03	0.0	-4.17e-04
3501	4	0.24	0.60	-3.06	1.23e-04	0.0	-6.84e-05
3501	28	0.24	-1.01	-3.39	1.04e-04	0.0	2.33e-05
3501	44	0.22	-1.50	-3.14	1.07e-04	0.0	4.48e-05
3501	68	0.17	0.39	-2.18	8.54e-05	0.0	-4.60e-05
3501	80	0.17	-0.68	-2.40	7.25e-05	0.0	1.51e-05
3501	88	0.15	-1.01	-2.23	7.45e-05	0.0	2.95e-05
3501	98	0.14	-0.13	-1.96	4.92e-05	0.0	-4.87e-06
3501	105	0.14	-0.30	-1.92	5.14e-05	0.0	2.21e-06
3501	107	0.14	-0.13	-1.88	4.69e-05	0.0	-4.69e-06
3501	113	6.14	-3.36	-1.55	4.30e-04	0.0	-4.18e-04
3501	127	-4.05	-6.88	-3.94	7.79e-04	0.0	-3.62e-05
3501	129	-1.36	-7.63	-3.56	8.61e-04	0.0	-3.19e-04
3501	145	6.89	-3.76	-1.51	4.78e-04	0.0	-4.70e-04
3501	159	-4.57	-7.72	-4.20	8.71e-04	0.0	-4.08e-05
3501	161	-1.55	-8.57	-3.77	9.64e-04	0.0	-3.60e-04
3501	177	6.57	-3.70	-1.55	4.75e-04	0.0	-4.66e-04
3501	191	-4.38	-7.63	-4.16	8.58e-04	0.0	-4.33e-05
3501	193	-1.56	-8.47	-3.77	9.53e-04	0.0	-3.66e-04
3501	209	7.51	-4.28	-1.52	5.46e-04	0.0	-5.45e-04
3501	223	-5.05	-8.86	-4.52	9.91e-04	0.0	-5.29e-05
3501	225	-1.83	-9.86	-4.08	1.10e-03	0.0	-4.36e-04
3502	4	0.24	0.57	-3.06	8.76e-05	0.0	-6.20e-05
3502	28	0.24	-1.00	-3.39	1.19e-04	0.0	2.06e-05
3502	44	0.21	-1.48	-3.15	1.34e-04	0.0	4.01e-05
3502	68	0.17	0.37	-2.18	6.15e-05	0.0	-4.17e-05
3502	80	0.17	-0.67	-2.40	8.25e-05	0.0	1.34e-05
3502	88	0.15	-1.00	-2.23	9.23e-05	0.0	2.63e-05
3502	98	0.14	-0.14	-1.96	4.82e-05	0.0	-4.67e-06
3502	105	0.13	-0.30	-1.91	5.42e-05	0.0	1.74e-06
3502	107	0.13	-0.13	-1.88	4.60e-05	0.0	-4.50e-06
3502	113	6.12	-3.54	-1.80	4.18e-04	0.0	-4.17e-04
3502	127	-4.05	-6.84	-3.76	8.05e-04	0.0	-3.66e-05
3502	129	-1.36	-7.70	-3.50	8.86e-04	0.0	-3.19e-04
3502	145	6.87	-3.97	-1.79	4.64e-04	0.0	-4.69e-04
3502	159	-4.57	-7.68	-4.00	8.99e-04	0.0	-4.12e-05
3502	161	-1.55	-8.65	-3.70	9.91e-04	0.0	-3.61e-04
3502	177	6.55	-3.90	-1.82	4.60e-04	0.0	-4.65e-04
3502	191	-4.37	-7.59	-3.96	8.87e-04	0.0	-4.37e-05
3502	193	-1.56	-8.57	-3.69	9.81e-04	0.0	-3.66e-04
3502	209	7.49	-4.51	-1.83	5.30e-04	0.0	-5.44e-04
3502	223	-5.04	-8.82	-4.30	1.02e-03	0.0	-5.34e-05
3502	225	-1.83	-9.97	-3.99	1.14e-03	0.0	-4.37e-04
3503	4	0.26	0.51	-3.06	-3.26e-04	-4.34e-06	-6.11e-06
3503	28	0.26	-1.05	-3.39	4.16e-04	-1.06e-06	-6.26e-06
3503	44	0.23	-1.54	-3.15	5.74e-04	-8.58e-06	-5.28e-06
3503	68	0.18	0.33	-2.18	-2.11e-04	-7.49e-06	-4.45e-06
3503	80	0.18	-0.71	-2.40	2.83e-04	-5.30e-06	-4.55e-06
3503	88	0.16	-1.03	-2.24	3.89e-04	-1.03e-05	-3.90e-06
3503	98	0.15	-0.16	-1.96	8.87e-05	-1.37e-05	-4.35e-06
3503	105	0.14	-0.32	-1.92	1.43e-04	-1.53e-05	-4.09e-06
3503	107	0.14	-0.15	-1.88	8.48e-05	-1.55e-05	-4.22e-06
3503	108	6.57	0.83	-0.66	-1.70e-04	5.90e-04	-4.28e-04
3503	127	-4.35	-7.26	-3.92	7.21e-04	-4.36e-04	-5.03e-05
3503	129	-1.45	-8.04	-3.56	7.22e-04	-1.63e-04	-3.44e-04
3503	140	7.37	0.95	-0.51	-2.02e-04	6.65e-04	-4.81e-04
3503	159	-4.90	-8.15	-4.18	8.00e-04	-4.88e-04	-5.66e-05
3503	161	-1.66	-9.03	-3.77	8.01e-04	-1.81e-04	-3.88e-04

3503	177	7.03	-3.91	-1.60	2.03e-04	6.34e-04	-4.73e-04
3503	191	-4.69	-8.05	-4.14	7.89e-04	-4.70e-04	-5.88e-05
3503	193	-1.67	-8.94	-3.76	7.91e-04	-1.81e-04	-3.91e-04
3503	209	8.04	-4.53	-1.57	2.22e-04	7.31e-04	-5.50e-04
3503	223	-5.42	-9.35	-4.50	9.04e-04	-5.39e-04	-7.12e-05
3503	225	-1.96	-10.39	-4.08	9.07e-04	-2.07e-04	-4.64e-04
3504	4	0.26	0.51	-3.06	-1.57e-04	-1.99e-05	-7.83e-06
3504	28	0.26	-1.05	-3.40	3.41e-04	-1.78e-05	-5.91e-06
3504	44	0.23	-1.54	-3.15	4.45e-04	-2.59e-05	-4.38e-06
3504	68	0.18	0.33	-2.18	-9.87e-05	-1.95e-05	-5.61e-06
3504	80	0.18	-0.71	-2.40	2.33e-04	-1.82e-05	-4.32e-06
3504	88	0.16	-1.04	-2.24	3.03e-04	-2.35e-05	-3.31e-06
3504	98	0.15	-0.16	-1.96	9.29e-05	-2.62e-05	-4.55e-06
3504	105	0.14	-0.33	-1.92	1.29e-04	-2.79e-05	-4.11e-06
3504	107	0.14	-0.15	-1.88	8.88e-05	-2.81e-05	-4.40e-06
3504	113	6.57	-3.74	-1.81	1.72e-04	5.62e-04	-4.27e-04
3504	127	-4.34	-7.24	-3.76	6.86e-04	-4.40e-04	-5.03e-05
3504	129	-1.45	-8.14	-3.50	6.87e-04	-1.72e-04	-3.44e-04
3504	145	7.37	-4.19	-1.80	1.82e-04	6.36e-04	-4.80e-04
3504	159	-4.90	-8.12	-4.00	7.60e-04	-4.91e-04	-5.65e-05
3504	161	-1.66	-9.14	-3.70	7.62e-04	-1.90e-04	-3.88e-04
3504	177	7.03	-4.12	-1.83	1.83e-04	6.09e-04	-4.73e-04
3504	191	-4.69	-8.03	-3.96	7.50e-04	-4.73e-04	-5.87e-05
3504	193	-1.67	-9.05	-3.69	7.52e-04	-1.90e-04	-3.90e-04
3504	209	8.04	-4.77	-1.84	1.98e-04	7.05e-04	-5.50e-04
3504	223	-5.42	-9.32	-4.30	8.58e-04	-5.41e-04	-7.12e-05
3504	225	-1.96	-10.53	-3.99	8.61e-04	-2.15e-04	-4.64e-04
3505	4	0.18	0.56	-3.04	2.78e-05	0.0	-7.98e-05
3505	28	0.18	-0.92	-3.37	1.44e-04	0.0	2.51e-05
3505	44	0.16	-1.38	-3.12	1.79e-04	0.0	5.00e-05
3505	68	0.12	0.37	-2.16	2.16e-05	0.0	-5.36e-05
3505	80	0.12	-0.62	-2.38	9.93e-05	0.0	1.63e-05
3505	88	0.11	-0.93	-2.22	1.22e-04	0.0	3.29e-05
3505	98	0.10	-0.11	-1.94	4.65e-05	0.0	-6.21e-06
3505	105	0.10	-0.27	-1.90	5.90e-05	0.0	1.97e-06
3505	107	0.10	-0.11	-1.86	4.45e-05	0.0	-5.93e-06
3505	113	5.35	-3.51	-1.93	4.34e-04	0.0	-4.12e-04
3505	127	-3.58	-6.39	-3.64	8.50e-04	0.0	-2.79e-05
3505	129	-1.22	-7.32	-3.43	9.42e-04	0.0	-3.02e-04
3505	145	6.01	-3.93	-1.94	4.83e-04	0.0	-4.64e-04
3505	159	-4.03	-7.18	-3.86	9.50e-04	0.0	-3.12e-05
3505	161	-1.38	-8.23	-3.62	1.05e-03	0.0	-3.41e-04
3505	177	5.72	-3.87	-1.95	4.75e-04	0.0	-4.63e-04
3505	191	-3.86	-7.10	-3.82	9.39e-04	0.0	-3.38e-05
3505	193	-1.40	-8.15	-3.60	1.04e-03	0.0	-3.48e-04
3505	209	6.54	-4.48	-1.98	5.45e-04	0.0	-5.42e-04
3505	225	-1.64	-9.49	-3.89	1.21e-03	0.0	-4.16e-04
3505	227	-3.92	-8.18	-4.15	1.08e-03	0.0	-2.89e-05
3506	4	0.23	0.54	-3.04	4.54e-05	0.0	-4.56e-05
3506	28	0.23	-0.99	-3.37	1.38e-04	0.0	1.50e-05
3506	44	0.21	-1.47	-3.12	1.66e-04	0.0	2.94e-05
3506	68	0.17	0.35	-2.16	3.33e-05	0.0	-3.07e-05
3506	80	0.16	-0.67	-2.38	9.50e-05	0.0	9.69e-06
3506	88	0.15	-0.99	-2.22	1.14e-04	0.0	1.93e-05
3506	98	0.14	-0.14	-1.94	4.74e-05	0.0	-3.62e-06
3506	105	0.13	-0.30	-1.89	5.79e-05	0.0	1.14e-06
3506	107	0.13	-0.13	-1.86	4.52e-05	0.0	-3.49e-06
3506	113	6.10	-3.72	-1.93	4.21e-04	0.0	-4.13e-04
3506	127	-4.04	-6.81	-3.63	8.29e-04	0.0	-3.83e-05
3506	129	-1.36	-7.78	-3.42	9.18e-04	0.0	-3.20e-04
3506	145	6.85	-4.17	-1.94	4.68e-04	0.0	-4.65e-04
3506	159	-4.56	-7.64	-3.85	9.27e-04	0.0	-4.32e-05
3506	161	-1.55	-8.74	-3.62	1.03e-03	0.0	-3.61e-04
3506	177	6.53	-4.10	-1.95	4.61e-04	0.0	-4.60e-04
3506	191	-4.36	-7.56	-3.82	9.16e-04	0.0	-4.55e-05
3506	193	-1.56	-8.66	-3.60	1.02e-03	0.0	-3.66e-04
3506	209	7.47	-4.75	-1.98	5.29e-04	0.0	-5.37e-04
3506	225	-1.83	-10.08	-3.89	1.18e-03	0.0	-4.37e-04
3506	227	-4.43	-8.71	-4.14	1.05e-03	0.0	-3.85e-05
3507	4	0.26	0.51	-3.04	1.81e-05	-3.07e-05	-8.21e-06
3507	28	0.26	-1.05	-3.37	3.18e-04	-2.91e-05	-5.34e-06
3507	44	0.23	-1.54	-3.12	3.74e-04	-3.82e-05	-3.52e-06
3507	68	0.18	0.33	-2.16	2.07e-05	-5.82e-05	-5.83e-06
3507	80	0.18	-0.71	-2.38	2.20e-04	-2.71e-05	-3.91e-06
3507	88	0.16	-1.04	-2.22	2.58e-04	-3.33e-05	-2.70e-06

3507	98	0.15	-0.16	-1.94	1.21e-04	-3.53e-05	-4.35e-06
3507	105	0.14	-0.33	-1.89	1.42e-04	-3.73e-05	-3.81e-06
3507	107	0.14	-0.15	-1.86	1.16e-04	-3.75e-05	-4.20e-06
3507	113	6.57	-3.93	-1.93	1.80e-04	5.37e-04	-4.27e-04
3507	127	-4.34	-7.21	-3.63	6.78e-04	-4.38e-04	-4.92e-05
3507	129	-1.45	-8.23	-3.42	6.80e-04	-1.77e-04	-3.43e-04
3507	145	7.37	-4.40	-1.94	1.88e-04	6.09e-04	-4.80e-04
3507	159	-4.90	-8.10	-3.85	7.48e-04	-4.87e-04	-5.54e-05
3507	161	-1.66	-9.25	-3.62	7.50e-04	-1.94e-04	-3.87e-04
3507	177	7.03	-4.33	-1.95	1.89e-04	5.83e-04	-4.73e-04
3507	191	-4.69	-8.01	-3.82	7.39e-04	-4.71e-04	-5.76e-05
3507	193	-1.67	-9.16	-3.60	7.41e-04	-1.94e-04	-3.89e-04
3507	209	8.04	-5.01	-1.98	2.01e-04	6.77e-04	-5.50e-04
3507	225	-1.96	-10.66	-3.88	8.44e-04	-2.19e-04	-4.63e-04
3507	227	-4.76	-9.23	-4.14	7.74e-04	-4.80e-04	-5.06e-05
3508	28	0.01	-0.59	-3.40	2.09e-04	0.0	-4.41e-05
3508	44	0.02	-0.95	-3.14	2.70e-04	0.0	-6.16e-05
3508	80	9.52e-03	-0.39	-2.40	1.44e-04	0.0	-3.00e-05
3508	88	0.01	-0.63	-2.23	1.84e-04	0.0	-4.17e-05
3508	98	5.81e-03	-0.02	-1.95	5.94e-05	0.0	-9.22e-05
3508	105	6.55e-03	-0.14	-1.91	8.10e-05	0.0	-1.52e-05
3508	107	5.65e-03	-0.02	-1.87	5.68e-05	0.0	-8.82e-06
3508	113	2.78	-2.88	-2.75	5.19e-04	0.0	-3.51e-04
3508	129	-0.71	-5.36	-3.52	1.04e-03	0.0	-2.48e-04
3508	133	1.98	-5.06	-3.57	9.79e-04	0.0	5.82e-06
3508	145	3.13	-3.24	-2.86	5.77e-04	0.0	-3.94e-04
3508	161	-0.81	-6.03	-3.73	1.16e-03	0.0	-2.80e-04
3508	165	2.23	-5.68	-3.78	1.09e-03	0.0	8.23e-06
3508	177	2.96	-3.20	-2.85	5.70e-04	0.0	-3.95e-04
3508	193	-0.82	-5.98	-3.71	1.15e-03	0.0	-2.87e-04
3508	197	2.13	-5.58	-3.75	1.07e-03	0.0	1.11e-05
3508	209	3.38	-3.73	-3.01	6.54e-04	0.0	-4.63e-04
3508	225	-0.95	-6.99	-4.02	1.34e-03	0.0	-3.44e-04
3508	233	2.17	-6.53	-4.05	1.25e-03	0.0	1.07e-05
3509	18	0.02	0.82	-2.59	6.53e-04	1.80e-05	-2.81e-05
3509	28	0.03	-0.47	-3.41	9.14e-04	0.0	-2.38e-05
3509	44	0.03	-0.79	-3.15	8.75e-04	1.70e-05	-1.89e-05
3509	75	0.01	0.55	-1.86	4.76e-04	2.05e-05	-2.00e-05
3509	80	0.02	-0.31	-2.41	6.50e-04	8.34e-06	-1.71e-05
3509	88	0.02	-0.53	-2.24	6.24e-04	1.98e-05	-1.38e-05
3509	98	0.01	0.01	-1.96	5.24e-04	2.05e-05	-1.65e-05
3509	103	0.01	0.12	-1.84	4.91e-04	2.45e-05	-1.64e-05
3509	105	0.01	-0.10	-1.91	5.20e-04	2.44e-05	-1.52e-05
3509	107	0.01	0.01	-1.88	5.06e-04	2.43e-05	-1.59e-05
3509	113	2.61	-2.60	-2.75	8.30e-04	4.92e-04	-3.00e-04
3509	130	0.69	4.83	-0.22	-2.03e-04	1.22e-04	2.00e-04
3509	133	1.87	-4.54	-3.58	1.16e-03	3.38e-04	1.43e-05
3509	145	2.93	-2.93	-2.86	8.70e-04	5.50e-04	-3.36e-04
3509	162	0.77	5.44	-0.02	-2.92e-04	1.34e-04	2.28e-04
3509	165	2.10	-5.10	-3.79	1.25e-03	3.77e-04	1.86e-05
3509	177	2.77	-2.89	-2.86	8.63e-04	5.33e-04	-3.34e-04
3509	194	0.78	5.40	-0.04	-2.83e-04	1.33e-04	2.31e-04
3509	197	2.00	-5.01	-3.76	1.23e-03	3.66e-04	2.14e-05
3509	209	3.15	-3.38	-3.02	9.22e-04	6.12e-04	-3.88e-04
3509	226	0.91	6.31	0.27	-4.14e-04	1.49e-04	2.79e-04
3509	233	2.04	-5.87	-4.06	1.36e-03	3.75e-04	1.83e-05
3510	28	0.01	-0.69	-3.39	1.83e-04	0.0	-7.02e-05
3510	44	0.02	-1.08	-3.14	2.38e-04	0.0	-1.01e-04
3510	80	9.91e-03	-0.47	-2.40	1.26e-04	0.0	-4.76e-05
3510	88	0.01	-0.72	-2.23	1.62e-04	0.0	-6.78e-05
3510	98	6.45e-03	-0.05	-1.95	5.15e-05	0.0	-1.22e-05
3510	105	7.30e-03	-0.18	-1.91	7.08e-05	0.0	-2.26e-05
3510	107	6.39e-03	-0.05	-1.87	4.93e-05	0.0	-1.16e-05
3510	113	3.06	-3.15	-2.74	5.01e-04	0.0	-4.09e-04
3510	129	-0.78	-5.90	-3.52	1.03e-03	0.0	-2.77e-04
3510	133	2.17	-5.56	-3.56	9.49e-04	0.0	4.76e-06
3510	145	3.44	-3.54	-2.85	5.57e-04	0.0	-4.59e-04
3510	161	-0.88	-6.63	-3.73	1.16e-03	0.0	-3.13e-04
3510	165	2.44	-6.25	-3.78	1.06e-03	0.0	7.33e-06
3510	177	3.26	-3.49	-2.84	5.47e-04	0.0	-4.62e-04
3510	193	-0.89	-6.58	-3.71	1.14e-03	0.0	-3.23e-04
3510	197	2.33	-6.14	-3.74	1.04e-03	0.0	9.78e-06
3510	209	3.73	-4.07	-3.01	6.28e-04	0.0	-5.42e-04
3510	225	-1.04	-7.68	-4.02	1.33e-03	0.0	-3.86e-04
3510	233	2.37	-7.17	-4.05	1.21e-03	0.0	1.57e-05

3511	28	0.07	-0.78	-3.39	1.60e-04	0.0	-6.96e-05
3511	44	0.06	-1.20	-3.14	2.08e-04	0.0	-9.99e-05
3511	80	0.05	-0.53	-2.40	1.10e-04	0.0	-4.71e-05
3511	88	0.04	-0.80	-2.23	1.42e-04	0.0	-6.72e-05
3511	98	0.04	-0.08	-1.95	4.49e-05	0.0	-1.18e-05
3511	105	0.04	-0.22	-1.90	6.18e-05	0.0	-2.21e-05
3511	107	0.03	-0.07	-1.87	4.30e-05	0.0	-1.12e-05
3511	113	3.81	-3.40	-2.74	4.87e-04	0.0	-4.24e-04
3511	129	-0.92	-6.43	-3.52	1.03e-03	0.0	-2.90e-04
3511	133	2.69	-6.05	-3.56	9.18e-04	0.0	5.53e-06
3511	145	4.28	-3.82	-2.85	5.43e-04	0.0	-4.77e-04
3511	161	-1.05	-7.23	-3.72	1.15e-03	0.0	-3.27e-04
3511	165	3.02	-6.79	-3.77	1.03e-03	0.0	8.20e-06
3511	177	4.06	-3.77	-2.84	5.29e-04	0.0	-4.79e-04
3511	193	-1.06	-7.18	-3.71	1.14e-03	0.0	-3.38e-04
3511	197	2.89	-6.67	-3.74	1.01e-03	0.0	1.09e-05
3511	209	4.64	-4.38	-3.01	6.06e-04	0.0	-5.62e-04
3511	225	-1.24	-8.37	-4.01	1.32e-03	0.0	-4.04e-04
3511	233	2.94	-7.79	-4.05	1.17e-03	0.0	1.54e-05
3512	28	0.12	-0.86	-3.39	1.45e-04	0.0	-6.14e-05
3512	44	0.11	-1.30	-3.14	1.87e-04	0.0	-8.77e-05
3512	80	0.09	-0.58	-2.39	9.96e-05	0.0	-4.15e-05
3512	88	0.08	-0.87	-2.23	1.27e-04	0.0	-5.91e-05
3512	98	0.07	-0.10	-1.95	4.20e-05	0.0	-1.06e-05
3512	105	0.07	-0.25	-1.90	5.68e-05	0.0	-1.96e-05
3512	107	0.07	-0.09	-1.87	4.03e-05	0.0	-1.00e-05
3512	113	4.59	-3.64	-2.74	7.66e-05	0.0	-4.24e-04
3512	129	-1.07	-6.97	-3.51	1.01e-03	0.0	-2.99e-04
3512	133	3.24	-6.52	-3.56	7.70e-04	0.0	7.60e-06
3512	145	5.16	-4.09	-2.85	8.09e-05	0.0	-4.76e-04
3512	161	-1.22	-7.83	-3.72	1.13e-03	0.0	-3.37e-04
3512	165	3.64	-7.32	-3.77	8.61e-04	0.0	1.05e-05
3512	177	4.91	-4.03	-2.84	8.61e-05	0.0	-4.77e-04
3512	193	-1.23	-7.77	-3.70	1.12e-03	0.0	-3.46e-04
3512	197	3.49	-7.18	-3.74	8.46e-04	0.0	1.36e-05
3512	209	5.61	-4.68	-3.01	9.59e-05	0.0	-5.60e-04
3512	225	-1.44	-9.06	-4.01	1.30e-03	0.0	-4.15e-04
3512	233	3.54	-8.39	-4.05	1.13e-03	0.0	1.41e-05
3513	19	3.73e-03	0.99	-1.05	-2.81e-04	0.0	1.45e-04
3513	28	0.01	-0.61	-3.42	2.32e-04	0.0	-5.96e-05
3513	44	0.01	-0.98	-3.17	3.12e-04	0.0	-8.71e-05
3513	80	8.35e-03	-0.41	-2.42	1.58e-04	0.0	-4.04e-05
3513	88	0.01	-0.66	-2.25	2.12e-04	0.0	-5.88e-05
3513	98	4.76e-03	-0.03	-1.97	5.63e-05	0.0	-9.55e-06
3513	105	5.64e-03	-0.15	-1.93	8.41e-05	0.0	-1.89e-05
3513	107	4.68e-03	-0.03	-1.89	5.38e-05	0.0	-9.16e-06
3513	113	2.78	-3.04	-2.96	5.61e-04	0.0	-3.47e-04
3513	129	-0.71	-5.41	-3.50	1.06e-03	0.0	-2.50e-04
3513	133	1.98	-5.11	-3.73	1.02e-03	0.0	6.90e-06
3513	145	3.13	-3.41	-3.10	6.25e-04	0.0	-3.90e-04
3513	161	-0.81	-6.09	-3.70	1.18e-03	0.0	-2.81e-04
3513	165	2.23	-5.74	-3.95	1.14e-03	0.0	9.47e-06
3513	177	2.96	-3.37	-3.09	6.19e-04	0.0	-3.91e-04
3513	193	-0.82	-6.05	-3.69	1.17e-03	0.0	-2.89e-04
3513	197	2.13	-5.64	-3.92	1.12e-03	0.0	1.21e-05
3513	209	3.38	-3.93	-3.29	7.14e-04	0.0	-4.57e-04
3513	225	-0.95	-7.07	-3.99	1.36e-03	0.0	-3.45e-04
3513	229	2.44	-6.54	-4.25	1.29e-03	0.0	1.83e-05
3514	16	0.01	0.81	-1.77	4.49e-04	5.47e-05	-1.80e-05
3514	28	0.03	-0.48	-3.42	8.99e-04	0.0	-2.10e-05
3514	44	0.03	-0.80	-3.17	8.62e-04	1.60e-05	-1.68e-05
3514	73	9.49e-03	0.54	-1.32	3.39e-04	4.48e-05	-1.31e-05
3514	80	0.02	-0.32	-2.42	6.39e-04	7.74e-06	-1.51e-05
3514	88	0.02	-0.53	-2.25	6.15e-04	1.91e-05	-1.22e-05
3514	98	0.01	3.31e-03	-1.97	5.15e-04	2.03e-05	-1.45e-05
3514	102	8.98e-03	0.11	-1.37	3.73e-04	4.63e-05	-1.10e-05
3514	105	0.01	-0.10	-1.93	5.11e-04	2.41e-05	-1.34e-05
3514	106	9.06e-03	3.42e-03	-1.41	3.88e-04	4.62e-05	-1.06e-05
3514	107	0.01	3.33e-03	-1.89	4.97e-04	2.40e-05	-1.40e-05
3514	113	2.61	-2.73	-2.96	8.33e-04	3.73e-04	-3.00e-04
3514	130	0.69	4.86	-0.28	-2.16e-04	8.86e-05	2.03e-04
3514	133	1.87	-4.57	-3.73	1.16e-03	2.56e-04	1.53e-05
3514	145	2.93	-3.08	-3.10	8.75e-04	4.17e-04	-3.37e-04
3514	162	0.77	5.48	-0.08	-3.06e-04	9.66e-05	2.31e-04
3514	165	2.10	-5.13	-3.95	1.24e-03	2.85e-04	1.95e-05

3514	177	2.77	-3.04	-3.09	8.68e-04	4.06e-04	-3.34e-04
3514	194	0.78	5.44	-0.10	-2.97e-04	9.51e-05	2.34e-04
3514	197	2.01	-5.04	-3.92	1.23e-03	2.78e-04	2.23e-05
3514	209	3.16	-3.55	-3.29	9.29e-04	4.67e-04	-3.89e-04
3514	226	0.91	6.36	0.21	-4.30e-04	1.05e-04	2.83e-04
3514	229	2.30	-5.85	-4.25	1.35e-03	3.19e-04	3.12e-05
3515	28	9.84e-03	-0.73	-3.42	1.96e-04	0.0	-9.51e-05
3515	42	0.02	-1.11	-2.33	2.35e-04	0.0	-1.40e-04
3515	44	0.01	-1.14	-3.17	2.59e-04	0.0	-1.45e-04
3515	80	7.43e-03	-0.49	-2.42	1.34e-04	0.0	-6.40e-05
3515	86	0.01	-0.74	-1.69	1.60e-04	0.0	-9.42e-05
3515	88	9.81e-03	-0.76	-2.25	1.76e-04	0.0	-9.74e-05
3515	98	4.72e-03	-0.06	-1.97	5.14e-05	0.0	-9.90e-06
3515	104	6.77e-03	-0.18	-1.45	5.98e-05	0.0	-2.40e-05
3515	105	5.83e-03	-0.19	-1.93	7.34e-05	0.0	-2.68e-05
3515	106	5.82e-03	-0.04	-1.41	3.56e-05	0.0	-6.63e-06
3515	107	4.88e-03	-0.05	-1.89	4.91e-05	0.0	-9.43e-06
3515	113	3.04	-3.32	-2.96	5.27e-04	0.0	-3.98e-04
3515	129	-0.78	-5.96	-3.50	1.05e-03	0.0	-2.77e-04
3515	133	2.16	-5.63	-3.73	9.71e-04	0.0	9.74e-06
3515	145	3.42	-3.73	-3.10	5.87e-04	0.0	-4.48e-04
3515	161	-0.88	-6.71	-3.70	1.17e-03	0.0	-3.12e-04
3515	165	2.42	-6.33	-3.95	1.09e-03	0.0	1.26e-05
3515	177	3.24	-3.69	-3.09	5.78e-04	0.0	-4.49e-04
3515	193	-0.89	-6.66	-3.69	1.16e-03	0.0	-3.22e-04
3515	197	2.32	-6.22	-3.92	1.07e-03	0.0	1.45e-05
3515	209	3.71	-4.30	-3.29	6.65e-04	0.0	-5.28e-04
3515	225	-1.03	-7.78	-3.99	1.34e-03	0.0	-3.86e-04
3515	229	2.66	-7.21	-4.25	1.23e-03	0.0	2.05e-05
3516	28	0.06	-0.82	-3.42	1.59e-04	0.0	-8.91e-05
3516	44	0.06	-1.26	-3.17	2.06e-04	0.0	-1.34e-04
3516	80	0.05	-0.55	-2.42	1.09e-04	0.0	-6.00e-05
3516	88	0.04	-0.84	-2.25	1.40e-04	0.0	-8.99e-05
3516	98	0.04	-0.08	-1.97	4.54e-05	0.0	-1.06e-05
3516	105	0.04	-0.23	-1.93	6.18e-05	0.0	-2.58e-05
3516	107	0.03	-0.08	-1.89	4.35e-05	0.0	-1.01e-05
3516	113	3.81	-3.59	-2.96	5.02e-04	0.0	-4.20e-04
3516	129	-0.92	-6.51	-3.50	1.03e-03	0.0	-2.91e-04
3516	133	2.69	-6.13	-3.72	9.18e-04	0.0	8.76e-06
3516	145	4.28	-4.03	-3.09	5.60e-04	0.0	-4.72e-04
3516	161	-1.05	-7.31	-3.71	1.16e-03	0.0	-3.28e-04
3516	165	3.02	-6.88	-3.95	1.03e-03	0.0	1.16e-05
3516	177	4.06	-3.98	-3.08	5.46e-04	0.0	-4.74e-04
3516	193	-1.06	-7.26	-3.69	1.14e-03	0.0	-3.39e-04
3516	197	2.89	-6.76	-3.92	1.01e-03	0.0	1.39e-05
3516	209	4.65	-4.63	-3.28	6.25e-04	0.0	-5.56e-04
3516	225	-1.24	-8.48	-3.99	1.33e-03	0.0	-4.05e-04
3516	229	3.32	-7.83	-4.24	1.16e-03	0.0	2.02e-05
3517	28	0.12	-0.89	-3.42	1.35e-04	0.0	-7.91e-05
3517	44	0.11	-1.35	-3.17	1.70e-04	0.0	-1.17e-04
3517	80	0.09	-0.60	-2.42	9.28e-05	0.0	-5.33e-05
3517	88	0.08	-0.91	-2.25	1.16e-04	0.0	-7.86e-05
3517	98	0.07	-0.10	-1.97	4.18e-05	0.0	-1.06e-05
3517	105	0.07	-0.26	-1.93	5.44e-05	0.0	-2.36e-05
3517	107	0.07	-0.10	-1.89	4.01e-05	0.0	-1.01e-05
3517	113	4.59	-3.83	-2.95	4.74e-05	0.0	-4.25e-04
3517	129	-1.07	-7.04	-3.50	1.02e-03	0.0	-3.01e-04
3517	133	3.24	-6.59	-3.72	7.43e-04	0.0	8.26e-06
3517	145	5.16	-4.30	-3.09	4.81e-05	0.0	-4.78e-04
3517	161	-1.22	-7.91	-3.71	1.14e-03	0.0	-3.39e-04
3517	165	3.64	-7.40	-3.95	8.30e-04	0.0	1.12e-05
3517	177	4.91	-4.24	-3.08	5.60e-05	0.0	-4.79e-04
3517	193	-1.23	-7.86	-3.69	1.13e-03	0.0	-3.49e-04
3517	197	3.49	-7.26	-3.91	8.16e-04	0.0	1.41e-05
3517	209	5.61	-4.93	-3.28	6.23e-05	0.0	-5.61e-04
3517	225	-1.44	-9.17	-3.99	1.31e-03	0.0	-4.18e-04
3517	229	4.00	-8.41	-4.24	9.41e-04	0.0	2.10e-05
3518	19	2.10e-03	1.06	-1.08	-3.71e-04	0.0	1.68e-04
3518	28	8.54e-03	-0.64	-3.44	2.58e-04	0.0	-6.65e-05
3518	42	0.01	-1.01	-2.35	3.29e-04	0.0	-9.48e-05
3518	72	2.43e-03	0.70	-1.24	-2.33e-04	0.0	1.10e-04
3518	80	6.14e-03	-0.43	-2.43	1.75e-04	0.0	-4.50e-05
3518	86	8.74e-03	-0.67	-1.71	2.23e-04	0.0	-6.39e-05
3518	98	2.83e-03	-0.03	-1.99	5.53e-05	0.0	-9.55e-06
3518	104	4.23e-03	-0.15	-1.47	7.40e-05	0.0	-1.82e-05

3518	105	3.94e-03	-0.16	-1.95	8.91e-05	0.0	-2.05e-05
3518	106	3.17e-03	-0.02	-1.43	3.77e-05	0.0	-6.90e-06
3518	107	2.88e-03	-0.03	-1.91	5.28e-05	0.0	-9.17e-06
3518	113	2.78	-3.19	-3.14	6.04e-04	0.0	-3.46e-04
3518	129	-0.72	-5.48	-3.50	1.08e-03	0.0	-2.50e-04
3518	133	1.98	-5.16	-3.84	1.06e-03	0.0	7.43e-06
3518	145	3.13	-3.59	-3.29	6.73e-04	0.0	-3.89e-04
3518	161	-0.81	-6.16	-3.70	1.21e-03	0.0	-2.82e-04
3518	165	2.23	-5.80	-4.09	1.18e-03	0.0	1.01e-05
3518	177	2.96	-3.55	-3.28	6.68e-04	0.0	-3.89e-04
3518	193	-0.82	-6.13	-3.68	1.20e-03	0.0	-2.89e-04
3518	197	2.13	-5.70	-4.05	1.16e-03	0.0	1.26e-05
3518	209	3.38	-4.14	-3.51	7.72e-04	0.0	-4.55e-04
3518	225	-0.95	-7.16	-3.99	1.39e-03	0.0	-3.45e-04
3518	229	2.44	-6.61	-4.40	1.34e-03	0.0	1.89e-05
3519	28	0.03	-0.48	-3.43	8.84e-04	-1.79e-05	-1.88e-05
3519	44	0.03	-0.80	-3.19	8.48e-04	1.77e-06	-1.76e-05
3519	80	0.02	-0.32	-2.43	6.29e-04	-3.90e-06	-1.34e-05
3519	88	0.02	-0.53	-2.27	6.05e-04	9.20e-06	-1.25e-05
3519	98	0.01	-1.22e-03	-1.99	5.06e-04	1.13e-05	-1.09e-05
3519	105	0.01	-0.11	-1.95	5.03e-04	1.58e-05	-1.07e-05
3519	107	0.01	-1.04e-03	-1.91	4.88e-04	1.56e-05	-1.05e-05
3519	113	2.61	-2.86	-3.13	8.37e-04	1.75e-04	-3.00e-04
3519	129	-0.66	-4.91	-3.50	1.21e-03	9.82e-05	-2.29e-04
3519	133	1.87	-4.60	-3.84	1.15e-03	1.16e-04	1.68e-05
3519	145	2.93	-3.22	-3.28	8.80e-04	1.96e-04	-3.37e-04
3519	161	-0.75	-5.53	-3.71	1.30e-03	1.09e-04	-2.57e-04
3519	165	2.10	-5.17	-4.08	1.24e-03	1.28e-04	2.07e-05
3519	177	2.77	-3.19	-3.27	8.74e-04	1.95e-04	-3.34e-04
3519	193	-0.76	-5.49	-3.69	1.29e-03	1.10e-04	-2.61e-04
3519	197	2.01	-5.07	-4.04	1.22e-03	1.28e-04	2.35e-05
3519	209	3.16	-3.72	-3.50	9.37e-04	2.26e-04	-3.90e-04
3519	225	-0.89	-6.43	-3.99	1.42e-03	1.28e-04	-3.10e-04
3519	229	2.30	-5.88	-4.39	1.34e-03	1.47e-04	3.20e-05
3520	19	4.79e-03	1.27	-1.07	-2.25e-04	0.0	3.18e-04
3520	28	2.39e-03	-0.78	-3.44	2.06e-04	0.0	-1.12e-04
3520	41	0.01	-1.18	-2.21	2.46e-04	0.0	-1.69e-04
3520	72	4.47e-03	0.83	-1.24	-1.37e-04	0.0	2.10e-04
3520	80	2.55e-03	-0.52	-2.43	1.41e-04	0.0	-7.54e-05
3520	85	9.95e-03	-0.79	-1.62	1.68e-04	0.0	-1.13e-04
3520	98	1.12e-03	-0.06	-1.99	5.14e-05	0.0	-9.62e-06
3520	104	5.82e-03	-0.19	-1.47	6.18e-05	0.0	-2.78e-05
3520	105	2.67e-03	-0.21	-1.95	7.55e-05	0.0	-3.05e-05
3520	106	4.79e-03	-0.04	-1.43	3.54e-05	0.0	-6.44e-06
3520	107	1.64e-03	-0.06	-1.91	4.91e-05	0.0	-9.16e-06
3520	113	3.02	-3.50	-3.17	5.51e-04	0.0	-3.97e-04
3520	129	-0.77	-6.04	-3.50	1.05e-03	0.0	-2.79e-04
3520	133	2.14	-5.71	-3.86	9.90e-04	0.0	1.12e-05
3520	145	3.39	-3.94	-3.32	6.14e-04	0.0	-4.47e-04
3520	161	-0.87	-6.79	-3.70	1.18e-03	0.0	-3.14e-04
3520	165	2.40	-6.42	-4.11	1.11e-03	0.0	1.42e-05
3520	177	3.21	-3.89	-3.31	6.07e-04	0.0	-4.48e-04
3520	193	-0.88	-6.75	-3.68	1.17e-03	0.0	-3.25e-04
3520	197	2.30	-6.30	-4.07	1.09e-03	0.0	1.59e-05
3520	209	3.68	-4.54	-3.54	7.00e-04	0.0	-5.26e-04
3520	225	-1.03	-7.89	-3.98	1.36e-03	0.0	-3.89e-04
3520	229	2.64	-7.31	-4.42	1.26e-03	0.0	2.20e-05
3521	28	0.06	-0.86	-3.45	1.55e-04	0.0	-9.51e-05
3521	44	0.06	-1.32	-3.20	1.98e-04	0.0	-1.44e-04
3521	80	0.05	-0.58	-2.44	1.06e-04	0.0	-6.40e-05
3521	88	0.04	-0.88	-2.27	1.35e-04	0.0	-9.67e-05
3521	98	0.04	-0.09	-1.99	4.58e-05	0.0	-1.04e-05
3521	105	0.04	-0.24	-1.95	6.10e-05	0.0	-2.70e-05
3521	107	0.03	-0.08	-1.91	4.38e-05	0.0	-9.88e-06
3521	113	3.81	-3.77	-3.23	5.13e-04	0.0	-4.19e-04
3521	129	-0.93	-6.58	-3.49	1.04e-03	0.0	-2.91e-04
3521	133	2.70	-6.21	-3.91	9.15e-04	0.0	9.34e-06
3521	145	4.28	-4.24	-3.40	5.71e-04	0.0	-4.70e-04
3521	161	-1.05	-7.40	-3.68	1.16e-03	0.0	-3.28e-04
3521	165	3.03	-6.97	-4.16	1.02e-03	0.0	1.23e-05
3521	177	4.07	-4.19	-3.38	5.57e-04	0.0	-4.72e-04
3521	193	-1.06	-7.35	-3.66	1.15e-03	0.0	-3.39e-04
3521	197	2.90	-6.84	-4.12	1.00e-03	0.0	1.45e-05
3521	209	4.65	-4.88	-3.63	6.38e-04	0.0	-5.54e-04
3521	225	-1.24	-8.58	-3.96	1.33e-03	0.0	-4.06e-04

3521	229	3.33	-7.93	-4.48	1.15e-03	0.0	2.08e-05
3522	28	0.12	-0.93	-3.45	1.25e-04	0.0	-8.40e-05
3522	44	0.11	-1.40	-3.20	1.54e-04	0.0	-1.25e-04
3522	80	0.09	-0.63	-2.44	8.64e-05	0.0	-5.66e-05
3522	88	0.08	-0.94	-2.27	1.06e-04	0.0	-8.41e-05
3522	98	0.07	-0.11	-1.99	4.17e-05	0.0	-1.06e-05
3522	105	0.07	-0.27	-1.95	5.21e-05	0.0	-2.46e-05
3522	107	0.07	-0.10	-1.91	3.99e-05	0.0	-1.01e-05
3522	113	4.59	-4.02	-3.27	2.23e-05	0.0	-4.25e-04
3522	129	-1.07	-7.11	-3.48	1.02e-03	0.0	-3.01e-04
3522	133	3.24	-6.66	-3.93	7.20e-04	0.0	8.45e-06
3522	145	5.16	-4.51	-3.44	2.00e-05	0.0	-4.78e-04
3522	161	-1.22	-8.00	-3.68	1.15e-03	0.0	-3.39e-04
3522	165	3.64	-7.48	-4.19	8.04e-04	0.0	1.14e-05
3522	177	4.91	-4.45	-3.42	3.01e-05	0.0	-4.79e-04
3522	193	-1.23	-7.94	-3.66	1.13e-03	0.0	-3.49e-04
3522	197	3.49	-7.34	-4.15	7.91e-04	0.0	1.42e-05
3522	209	5.61	-5.18	-3.67	3.32e-05	0.0	-5.61e-04
3522	225	-1.44	-9.27	-3.95	1.31e-03	0.0	-4.18e-04
3522	229	4.00	-8.50	-4.51	9.11e-04	0.0	2.11e-05
3523	4	0.18	0.55	-3.05	2.08e-05	0.0	5.41e-05
3523	28	0.18	-0.93	-3.39	1.37e-04	0.0	-4.79e-05
3523	44	0.16	-1.39	-3.14	1.73e-04	0.0	-6.80e-05
3523	68	0.12	0.36	-2.17	1.67e-05	0.0	3.56e-05
3523	80	0.12	-0.63	-2.39	9.45e-05	0.0	-3.24e-05
3523	88	0.11	-0.93	-2.23	1.18e-04	0.0	-4.58e-05
3523	98	0.10	-0.12	-1.95	4.26e-05	0.0	-8.54e-06
3523	105	0.10	-0.28	-1.90	5.53e-05	0.0	-1.54e-05
3523	107	0.10	-0.11	-1.87	4.08e-05	0.0	-8.11e-06
3523	113	5.35	-3.87	-2.74	7.22e-05	0.0	-4.17e-04
3523	129	-1.22	-7.46	-3.51	9.88e-04	0.0	-3.07e-04
3523	133	3.78	-6.95	-3.56	7.46e-04	0.0	1.67e-05
3523	145	6.01	-4.34	-2.85	7.60e-05	0.0	-4.69e-04
3523	161	-1.39	-8.39	-3.72	1.11e-03	0.0	-3.46e-04
3523	165	4.23	-7.80	-3.77	8.34e-04	0.0	2.05e-05
3523	177	5.72	-4.27	-2.84	8.21e-05	0.0	-4.68e-04
3523	193	-1.40	-8.32	-3.70	1.09e-03	0.0	-3.54e-04
3523	197	4.06	-7.66	-3.74	8.20e-04	0.0	2.38e-05
3523	209	6.54	-4.96	-3.01	9.19e-05	0.0	-5.48e-04
3523	225	-1.64	-9.70	-4.01	1.27e-03	0.0	-4.23e-04
3523	233	4.12	-8.94	-4.04	1.10e-03	0.0	2.04e-05
3524	4	0.23	0.53	-3.05	4.08e-05	0.0	3.03e-05
3524	28	0.23	-1.00	-3.39	1.33e-04	0.0	-2.75e-05
3524	44	0.20	-1.47	-3.14	1.62e-04	0.0	-3.84e-05
3524	68	0.16	0.35	-2.17	3.02e-05	0.0	1.99e-05
3524	80	0.16	-0.67	-2.39	9.15e-05	0.0	-1.86e-05
3524	88	0.14	-0.99	-2.23	1.11e-04	0.0	-2.59e-05
3524	98	0.13	-0.14	-1.95	4.48e-05	0.0	-5.32e-06
3524	105	0.13	-0.30	-1.90	5.55e-05	0.0	-9.09e-06
3524	107	0.13	-0.14	-1.87	4.29e-05	0.0	-5.06e-06
3524	113	6.09	-4.08	-2.74	7.42e-05	0.0	-4.13e-04
3524	129	-1.36	-7.95	-3.51	9.60e-04	0.0	-3.20e-04
3524	133	4.30	-7.37	-3.56	7.28e-04	0.0	3.43e-05
3524	145	6.84	-4.58	-2.85	7.80e-05	0.0	-4.64e-04
3524	161	-1.55	-8.93	-3.72	1.08e-03	0.0	-3.61e-04
3524	165	4.81	-8.27	-3.77	8.14e-04	0.0	3.99e-05
3524	177	6.52	-4.51	-2.84	8.41e-05	0.0	-4.60e-04
3524	193	-1.56	-8.85	-3.70	1.06e-03	0.0	-3.65e-04
3524	197	4.62	-8.12	-3.74	8.00e-04	0.0	4.31e-05
3524	209	7.45	-5.22	-3.00	9.38e-05	0.0	-5.37e-04
3524	225	-1.83	-10.32	-4.01	1.23e-03	0.0	-4.35e-04
3524	233	4.69	-9.48	-4.04	1.07e-03	0.0	3.75e-05
3525	4	0.26	0.50	-3.06	2.35e-04	4.46e-05	-5.82e-06
3525	28	0.26	-1.06	-3.39	6.66e-04	4.96e-05	-3.19e-06
3525	44	0.23	-1.54	-3.14	7.27e-04	5.82e-05	-1.46e-06
3525	68	0.18	0.32	-2.17	1.83e-04	3.86e-05	-4.18e-06
3525	80	0.18	-0.72	-2.40	4.70e-04	4.19e-05	-2.43e-06
3525	88	0.16	-1.04	-2.23	5.11e-04	4.77e-05	-1.27e-06
3525	98	0.15	-0.16	-1.95	3.20e-04	4.82e-05	-3.31e-06
3525	105	0.14	-0.33	-1.90	3.45e-04	5.03e-05	-2.77e-06
3525	107	0.14	-0.16	-1.87	3.09e-04	4.97e-05	-3.22e-06
3525	113	6.57	-4.30	-2.74	6.25e-04	5.64e-04	-4.20e-04
3525	129	-1.45	-8.41	-3.51	1.00e-03	3.30e-04	-3.35e-04
3525	133	4.63	-7.78	-3.56	9.35e-04	4.09e-04	4.76e-05
3525	145	7.38	-4.82	-2.85	6.64e-04	6.28e-04	-4.73e-04

3525	161	-1.65	-9.45	-3.72	1.09e-03	3.65e-04	-3.77e-04
3525	165	5.19	-8.73	-3.77	1.01e-03	4.54e-04	5.46e-05
3525	177	7.03	-4.74	-2.84	6.56e-04	6.10e-04	-4.65e-04
3525	193	-1.67	-9.37	-3.70	1.08e-03	3.52e-04	-3.80e-04
3525	197	4.98	-8.57	-3.74	9.99e-04	4.42e-04	5.78e-05
3525	209	8.04	-5.49	-3.01	7.12e-04	6.97e-04	-5.42e-04
3525	225	-1.96	-10.91	-4.01	1.21e-03	4.00e-04	-4.52e-04
3525	233	5.06	-10.00	-4.05	1.11e-03	4.56e-04	5.17e-05
3526	4	0.18	0.59	-3.08	4.91e-05	0.0	7.88e-05
3526	28	0.18	-0.96	-3.42	1.20e-04	0.0	-6.24e-05
3526	44	0.16	-1.43	-3.17	1.45e-04	0.0	-9.09e-05
3526	68	0.12	0.38	-2.19	3.56e-05	0.0	5.20e-05
3526	80	0.12	-0.65	-2.42	8.26e-05	0.0	-4.21e-05
3526	88	0.11	-0.96	-2.25	9.95e-05	0.0	-6.11e-05
3526	98	0.10	-0.12	-1.97	4.13e-05	0.0	-9.40e-06
3526	105	0.10	-0.28	-1.93	5.07e-05	0.0	-1.91e-05
3526	107	0.10	-0.12	-1.89	3.96e-05	0.0	-8.92e-06
3526	113	5.35	-4.05	-2.96	3.34e-05	0.0	-4.21e-04
3526	129	-1.22	-7.54	-3.50	8.61e-04	0.0	-3.09e-04
3526	133	3.78	-7.01	-3.72	7.11e-04	0.0	1.48e-05
3526	145	6.01	-4.54	-3.09	3.25e-05	0.0	-4.73e-04
3526	161	-1.38	-8.47	-3.71	9.64e-04	0.0	-3.48e-04
3526	165	4.23	-7.86	-3.95	7.94e-04	0.0	1.85e-05
3526	177	5.72	-4.48	-3.08	4.26e-05	0.0	-4.73e-04
3526	193	-1.40	-8.41	-3.69	9.56e-04	0.0	-3.56e-04
3526	197	4.06	-7.72	-3.92	7.81e-04	0.0	2.18e-05
3526	209	6.54	-5.20	-3.28	4.81e-05	0.0	-5.53e-04
3526	225	-1.64	-9.81	-3.99	1.11e-03	0.0	-4.26e-04
3526	229	4.65	-8.94	-4.24	9.00e-04	0.0	3.03e-05
3527	4	0.23	0.55	-3.08	7.69e-05	0.0	4.26e-05
3527	28	0.23	-1.01	-3.42	1.08e-04	0.0	-3.69e-05
3527	44	0.20	-1.49	-3.17	1.24e-04	0.0	-5.24e-05
3527	68	0.16	0.36	-2.19	5.41e-05	0.0	2.80e-05
3527	80	0.16	-0.68	-2.42	7.49e-05	0.0	-2.50e-05
3527	88	0.14	-1.01	-2.25	8.57e-05	0.0	-3.53e-05
3527	98	0.13	-0.14	-1.97	4.24e-05	0.0	-6.69e-06
3527	105	0.13	-0.31	-1.93	4.86e-05	0.0	-1.20e-05
3527	107	0.13	-0.14	-1.89	4.06e-05	0.0	-6.38e-06
3527	113	6.10	-4.27	-2.96	3.06e-05	0.0	-4.17e-04
3527	129	-1.36	-8.03	-3.50	8.40e-04	0.0	-3.20e-04
3527	133	4.30	-7.41	-3.72	6.91e-04	0.0	3.02e-05
3527	145	6.84	-4.79	-3.09	2.93e-05	0.0	-4.69e-04
3527	161	-1.55	-9.02	-3.71	9.40e-04	0.0	-3.61e-04
3527	165	4.82	-8.32	-3.95	7.72e-04	0.0	3.55e-05
3527	177	6.52	-4.71	-3.08	3.99e-05	0.0	-4.65e-04
3527	193	-1.56	-8.95	-3.69	9.32e-04	0.0	-3.66e-04
3527	197	4.62	-8.16	-3.92	7.59e-04	0.0	3.88e-05
3527	209	7.46	-5.46	-3.28	4.51e-05	0.0	-5.43e-04
3527	225	-1.84	-10.43	-3.99	1.08e-03	0.0	-4.36e-04
3527	229	5.30	-9.45	-4.24	8.75e-04	0.0	5.01e-05
3528	4	0.26	0.50	-3.08	-1.36e-05	2.49e-05	-6.87e-06
3528	28	0.26	-1.06	-3.42	7.24e-04	2.89e-05	-3.76e-06
3528	44	0.23	-1.54	-3.17	8.58e-04	3.96e-05	-1.74e-06
3528	68	0.18	0.32	-2.19	1.48e-05	2.45e-05	-4.91e-06
3528	80	0.18	-0.72	-2.42	5.07e-04	2.72e-05	-2.84e-06
3528	88	0.16	-1.04	-2.25	5.96e-04	3.44e-05	-1.49e-06
3528	98	0.15	-0.17	-1.97	2.91e-04	3.52e-05	-3.79e-06
3528	105	0.14	-0.33	-1.93	3.41e-04	3.77e-05	-3.17e-06
3528	107	0.14	-0.16	-1.89	2.82e-04	3.72e-05	-3.68e-06
3528	113	6.57	-4.48	-2.96	6.36e-04	4.57e-04	-4.20e-04
3528	129	-1.45	-8.50	-3.50	1.04e-03	2.66e-04	-3.34e-04
3528	133	4.63	-7.81	-3.72	9.46e-04	3.27e-04	4.79e-05
3528	145	7.38	-5.02	-3.09	6.81e-04	5.10e-04	-4.72e-04
3528	161	-1.65	-9.55	-3.71	1.14e-03	2.95e-04	-3.77e-04
3528	165	5.19	-8.76	-3.95	1.03e-03	3.63e-04	5.50e-05
3528	177	7.03	-4.94	-3.08	6.70e-04	4.96e-04	-4.65e-04
3528	193	-1.67	-9.47	-3.69	1.13e-03	2.85e-04	-3.79e-04
3528	197	4.98	-8.60	-3.91	1.01e-03	3.55e-04	5.83e-05
3528	209	8.04	-5.72	-3.28	7.32e-04	5.69e-04	-5.41e-04
3528	225	-1.96	-11.04	-3.99	1.27e-03	3.26e-04	-4.51e-04
3528	229	5.71	-9.95	-4.24	1.13e-03	4.05e-04	7.25e-05
3529	4	0.18	0.62	-3.11	7.35e-05	0.0	8.69e-05
3529	28	0.18	-0.98	-3.45	1.04e-04	0.0	-6.67e-05
3529	44	0.16	-1.47	-3.20	1.21e-04	0.0	-9.79e-05
3529	68	0.12	0.41	-2.22	5.18e-05	0.0	5.74e-05

3529	80	0.12	-0.66	-2.44	7.24e-05	0.0	-4.50e-05
3529	88	0.11	-0.99	-2.27	8.36e-05	0.0	-6.58e-05
3529	98	0.10	-0.13	-1.99	4.03e-05	0.0	-9.48e-06
3529	105	0.10	-0.29	-1.95	4.67e-05	0.0	-2.01e-05
3529	107	0.10	-0.12	-1.91	3.86e-05	0.0	-9.00e-06
3529	113	5.35	-4.24	-3.28	-1.67e-06	0.0	-4.22e-04
3529	129	-1.22	-7.62	-3.48	8.58e-04	0.0	-3.09e-04
3529	133	3.77	-7.07	-3.94	6.80e-04	0.0	1.45e-05
3529	145	6.00	-4.75	-3.45	-6.77e-06	0.0	-4.74e-04
3529	161	-1.38	-8.56	-3.67	9.61e-04	0.0	-3.49e-04
3529	165	4.23	-7.93	-4.20	7.60e-04	0.0	1.81e-05
3529	177	5.72	-4.69	-3.43	6.59e-06	0.0	-4.73e-04
3529	193	-1.40	-8.50	-3.65	9.53e-04	0.0	-3.57e-04
3529	197	4.06	-7.78	-4.16	7.47e-04	0.0	2.14e-05
3529	209	6.54	-5.45	-3.68	7.92e-06	0.0	-5.54e-04
3529	225	-1.64	-9.92	-3.95	1.10e-03	0.0	-4.26e-04
3529	229	4.65	-9.01	-4.52	8.62e-04	0.0	2.99e-05
3530	4	0.23	0.57	-3.11	1.08e-04	0.0	4.83e-05
3530	28	0.23	-1.03	-3.45	8.78e-05	0.0	-4.02e-05
3530	44	0.20	-1.52	-3.19	9.31e-05	0.0	-5.76e-05
3530	68	0.16	0.37	-2.21	7.45e-05	0.0	3.18e-05
3530	80	0.16	-0.69	-2.44	6.13e-05	0.0	-2.72e-05
3530	88	0.14	-1.02	-2.27	6.49e-05	0.0	-3.88e-05
3530	98	0.13	-0.15	-1.99	4.06e-05	0.0	-6.89e-06
3530	105	0.13	-0.31	-1.95	4.32e-05	0.0	-1.29e-05
3530	107	0.13	-0.14	-1.91	3.89e-05	0.0	-6.57e-06
3530	113	6.11	-4.45	-3.27	-9.83e-06	0.0	-4.18e-04
3530	129	-1.36	-8.11	-3.48	8.38e-04	0.0	-3.20e-04
3530	133	4.30	-7.46	-3.93	6.58e-04	0.0	2.94e-05
3530	145	6.85	-4.99	-3.44	-1.60e-05	0.0	-4.70e-04
3530	161	-1.55	-9.11	-3.67	9.38e-04	0.0	-3.61e-04
3530	165	4.82	-8.37	-4.19	7.35e-04	0.0	3.47e-05
3530	177	6.53	-4.92	-3.42	-1.65e-06	0.0	-4.66e-04
3530	193	-1.57	-9.04	-3.65	9.31e-04	0.0	-3.66e-04
3530	197	4.63	-8.21	-4.15	7.23e-04	0.0	3.80e-05
3530	209	7.47	-5.70	-3.67	-1.18e-06	0.0	-5.45e-04
3530	225	-1.84	-10.55	-3.95	1.08e-03	0.0	-4.37e-04
3530	229	5.31	-9.51	-4.51	8.34e-04	0.0	4.91e-05
3531	4	0.26	0.50	-3.10	-2.62e-04	-1.06e-05	-8.00e-06
3531	28	0.26	-1.06	-3.44	7.83e-04	-6.95e-06	-4.39e-06
3531	44	0.23	-1.55	-3.19	9.88e-04	9.92e-06	-2.12e-06
3531	68	0.18	0.32	-2.21	-1.53e-04	0.0	-5.69e-06
3531	80	0.18	-0.72	-2.43	5.43e-04	2.86e-06	-3.29e-06
3531	88	0.16	-1.04	-2.27	6.80e-04	1.41e-05	-1.78e-06
3531	98	0.15	-0.17	-1.99	2.63e-04	1.60e-05	-4.27e-06
3531	105	0.14	-0.33	-1.94	3.36e-04	1.99e-05	-3.58e-06
3531	107	0.14	-0.16	-1.91	2.55e-04	1.95e-05	-4.15e-06
3531	113	6.57	-4.67	-3.25	6.48e-04	2.16e-04	-4.20e-04
3531	129	-1.45	-8.58	-3.48	1.08e-03	1.17e-04	-3.35e-04
3531	133	4.63	-7.85	-3.92	9.56e-04	1.50e-04	4.76e-05
3531	145	7.38	-5.23	-3.41	6.97e-04	2.41e-04	-4.72e-04
3531	161	-1.65	-9.64	-3.68	1.18e-03	1.29e-04	-3.77e-04
3531	165	5.19	-8.80	-4.17	1.04e-03	1.66e-04	5.47e-05
3531	177	7.03	-5.14	-3.40	6.85e-04	2.40e-04	-4.65e-04
3531	193	-1.66	-9.57	-3.66	1.17e-03	1.30e-04	-3.80e-04
3531	197	4.98	-8.63	-4.13	1.03e-03	1.65e-04	5.79e-05
3531	209	8.04	-5.96	-3.64	7.53e-04	2.77e-04	-5.41e-04
3531	225	-1.96	-11.16	-3.95	1.32e-03	1.50e-04	-4.51e-04
3531	229	5.71	-9.99	-4.50	1.15e-03	1.90e-04	7.22e-05
3532	28	0.04	-0.50	-3.20	7.95e-04	-1.51e-04	0.0
3532	44	0.04	-0.81	-3.02	7.68e-04	-1.28e-04	7.69e-06
3532	80	0.03	-0.34	-2.29	5.65e-04	-1.05e-04	0.0
3532	88	0.03	-0.54	-2.17	5.47e-04	-8.89e-05	4.84e-06
3532	98	0.02	-0.02	-1.90	4.51e-04	-8.54e-05	-4.91e-06
3532	105	0.02	-0.12	-1.87	4.50e-04	-8.00e-05	-2.65e-06
3532	107	0.02	-0.02	-1.83	4.35e-04	-8.04e-05	-4.66e-06
3532	113	2.62	-3.64	-2.90	8.59e-04	-2.39e-04	-2.89e-04
3532	129	-0.65	-5.20	-3.77	1.18e-03	-3.63e-05	-2.21e-04
3532	145	2.94	-4.10	-3.03	9.12e-04	-2.59e-04	-3.25e-04
3532	161	-0.74	-5.86	-4.01	1.27e-03	-3.05e-05	-2.49e-04
3532	177	2.78	-4.05	-3.00	9.05e-04	-2.46e-04	-3.23e-04
3532	193	-0.75	-5.84	-3.99	1.27e-03	-3.00e-05	-2.52e-04
3532	209	3.17	-4.73	-3.18	9.83e-04	-2.78e-04	-3.78e-04
3532	225	-0.88	-6.86	-4.35	1.41e-03	-2.15e-05	-3.01e-04
3533	4	-0.01	1.45	-2.85	-1.64e-03	0.0	1.86e-05

3533	19	-7.78e-03	2.51	-1.09	-2.83e-03	0.0	3.84e-05
3533	28	-5.08e-03	-1.09	-3.19	9.75e-04	0.0	-1.45e-05
3533	68	-9.54e-03	0.96	-2.05	-1.09e-03	0.0	1.22e-05
3533	72	-6.75e-03	1.66	-1.25	-1.87e-03	0.0	2.49e-05
3533	80	-3.70e-03	-0.73	-2.28	6.53e-04	0.0	-9.84e-06
3533	98	-6.60e-03	-0.04	-1.89	4.50e-05	0.0	-3.14e-06
3533	102	-4.55e-03	0.31	-1.40	-3.50e-04	0.0	3.37e-06
3533	103	-6.78e-03	0.30	-1.79	-3.38e-04	0.0	2.39e-06
3533	107	-6.23e-03	-0.04	-1.83	4.31e-05	0.0	-2.98e-06
3533	114	-2.80	3.97	-0.76	-6.96e-04	0.0	3.24e-04
3533	129	-0.72	-5.94	-3.77	1.38e-03	0.0	-2.59e-04
3533	146	-3.14	4.47	-0.63	-7.88e-04	0.0	3.66e-04
3533	161	-0.82	-6.69	-4.02	1.55e-03	0.0	-2.93e-04
3533	178	-2.97	4.41	-0.66	-7.65e-04	0.0	3.60e-04
3533	193	-0.82	-6.67	-3.99	1.54e-03	0.0	-2.94e-04
3533	210	-3.40	5.16	-0.48	-8.92e-04	0.0	4.21e-04
3533	225	-0.96	-7.81	-4.36	1.79e-03	0.0	-3.50e-04
3534	18	-0.02	2.50	-2.42	-2.79e-03	0.0	3.98e-06
3534	19	-0.01	2.54	-1.08	-2.83e-03	0.0	6.98e-06
3534	28	-7.19e-03	-1.10	-3.17	9.75e-04	0.0	-5.17e-06
3534	72	-8.98e-03	1.68	-1.24	-1.88e-03	0.0	3.87e-06
3534	75	-0.01	1.66	-1.76	-1.86e-03	0.0	2.48e-06
3534	80	-5.34e-03	-0.73	-2.26	6.53e-04	0.0	-3.62e-06
3534	98	-8.42e-03	-0.04	-1.88	4.45e-05	0.0	-3.19e-06
3534	102	-6.45e-03	0.31	-1.39	-3.50e-04	0.0	0.0
3534	103	-8.68e-03	0.30	-1.77	-3.39e-04	0.0	-1.84e-06
3534	107	-8.04e-03	-0.04	-1.81	4.26e-05	0.0	-3.03e-06
3534	114	-2.80	4.07	-0.72	2.28e-04	0.0	3.23e-04
3534	129	-0.72	-5.99	-3.74	1.40e-03	0.0	-2.59e-04
3534	146	-3.14	4.59	-0.59	2.52e-04	0.0	3.64e-04
3534	161	-0.82	-6.74	-3.98	1.57e-03	0.0	-2.92e-04
3534	178	-2.97	4.53	-0.62	2.42e-04	0.0	3.59e-04
3534	193	-0.83	-6.73	-3.97	1.55e-03	0.0	-2.93e-04
3534	210	-3.40	5.30	-0.42	2.72e-04	0.0	4.20e-04
3534	225	-0.96	-7.89	-4.33	1.81e-03	0.0	-3.49e-04
3535	28	0.04	-0.50	-3.17	7.84e-04	-1.66e-04	-3.49e-06
3535	44	0.04	-0.81	-2.99	7.58e-04	-1.44e-04	0.0
3535	80	0.03	-0.34	-2.26	5.57e-04	-1.16e-04	-2.60e-06
3535	88	0.03	-0.54	-2.15	5.40e-04	-1.02e-04	0.0
3535	98	0.02	-0.02	-1.88	4.44e-04	-9.84e-05	-4.87e-06
3535	105	0.02	-0.12	-1.85	4.43e-04	-9.34e-05	-3.52e-06
3535	107	0.02	-0.02	-1.81	4.28e-04	-9.37e-05	-4.62e-06
3535	113	2.62	-3.74	-2.90	8.62e-04	-2.06e-04	-2.92e-04
3535	129	-0.65	-5.24	-3.74	1.18e-03	-6.78e-05	-2.22e-04
3535	145	2.94	-4.21	-3.04	9.16e-04	-2.20e-04	-3.29e-04
3535	161	-0.74	-5.90	-3.98	1.27e-03	-6.45e-05	-2.51e-04
3535	177	2.78	-4.16	-3.01	9.09e-04	-2.12e-04	-3.26e-04
3535	193	-0.75	-5.89	-3.97	1.27e-03	-6.46e-05	-2.54e-04
3535	209	3.17	-4.86	-3.20	9.89e-04	-2.29e-04	-3.81e-04
3535	225	-0.88	-6.91	-4.33	1.41e-03	-6.00e-05	-3.03e-04
3536	4	-0.07	2.30	-2.84	-1.11e-03	0.0	-1.71e-05
3536	19	-0.03	3.97	-1.09	-1.95e-03	0.0	-2.47e-05
3536	28	-0.06	-1.59	-3.18	7.10e-04	0.0	7.34e-06
3536	68	-0.05	1.53	-2.04	-7.37e-04	0.0	-1.15e-05
3536	72	-0.03	2.63	-1.24	-1.29e-03	0.0	-1.68e-05
3536	80	-0.04	-1.07	-2.27	4.76e-04	0.0	4.82e-06
3536	98	-0.04	-0.07	-1.89	4.48e-05	0.0	-1.52e-06
3536	102	-0.03	0.49	-1.40	-2.32e-04	0.0	-4.12e-06
3536	107	-0.04	-0.06	-1.82	4.29e-05	0.0	-1.44e-06
3536	114	-2.96	4.31	-0.75	-6.40e-04	0.0	3.62e-04
3536	129	-0.78	-6.65	-3.78	1.28e-03	0.0	-2.94e-04
3536	146	-3.32	4.86	-0.62	-7.25e-04	0.0	4.07e-04
3536	161	-0.88	-7.49	-4.03	1.44e-03	0.0	-3.32e-04
3536	178	-3.15	4.80	-0.66	-7.02e-04	0.0	3.99e-04
3536	193	-0.88	-7.46	-4.00	1.43e-03	0.0	-3.31e-04
3536	210	-3.59	5.60	-0.48	-8.19e-04	0.0	4.65e-04
3536	225	-1.02	-8.73	-4.37	1.66e-03	0.0	-3.93e-04
3537	4	-0.07	2.28	-2.82	-1.11e-03	0.0	1.03e-05
3537	19	-0.03	3.95	-1.08	-1.95e-03	0.0	2.10e-05
3537	28	-0.06	-1.59	-3.17	7.09e-04	0.0	-6.35e-06
3537	68	-0.05	1.52	-2.03	-7.38e-04	0.0	6.82e-06
3537	72	-0.03	2.62	-1.24	-1.29e-03	0.0	1.37e-05
3537	80	-0.04	-1.06	-2.26	4.76e-04	0.0	-4.31e-06
3537	98	-0.04	-0.07	-1.88	4.45e-05	0.0	-1.51e-06
3537	102	-0.03	0.49	-1.39	-2.32e-04	0.0	1.99e-06

3537	107	-0.04	-0.06	-1.81	4.26e-05	0.0	-1.42e-06
3537	114	-2.97	4.43	-0.72	2.04e-04	0.0	3.64e-04
3537	129	-0.78	-6.71	-3.74	1.30e-03	0.0	-2.96e-04
3537	146	-3.33	4.99	-0.59	2.24e-04	0.0	4.10e-04
3537	161	-0.88	-7.55	-3.99	1.45e-03	0.0	-3.34e-04
3537	178	-3.16	4.92	-0.62	2.15e-04	0.0	4.01e-04
3537	193	-0.89	-7.52	-3.97	1.44e-03	0.0	-3.34e-04
3537	210	-3.60	5.75	-0.42	2.41e-04	0.0	4.67e-04
3537	225	-1.03	-8.81	-4.33	1.67e-03	0.0	-3.96e-04
3538	19	-4.32e-03	4.69	-1.08	-6.73e-04	0.0	4.90e-06
3538	28	4.12e-03	-1.87	-3.16	3.27e-04	0.0	-1.94e-06
3538	46	0.01	-2.94	-1.77	4.53e-04	0.0	0.0
3538	72	-3.35e-03	3.10	-1.23	-4.37e-04	0.0	2.83e-06
3538	80	2.71e-03	-1.26	-2.26	2.21e-04	0.0	-1.39e-06
3538	86	6.58e-03	-1.98	-1.69	3.14e-04	0.0	0.0
3538	98	-1.68e-03	-0.09	-1.87	4.45e-05	0.0	-1.68e-06
3538	102	-1.54e-03	0.57	-1.39	-6.24e-05	0.0	0.0
3538	103	-2.05e-03	0.55	-1.77	-5.10e-05	0.0	0.0
3538	107	-1.59e-03	-0.09	-1.81	4.27e-05	0.0	-1.60e-06
3538	114	-3.68	4.61	-2.05	1.61e-04	0.0	3.82e-04
3538	129	-0.93	-7.28	-3.81	1.15e-03	0.0	-3.13e-04
3538	146	-4.14	5.21	-2.08	1.76e-04	0.0	4.31e-04
3538	161	-1.05	-8.19	-4.06	1.29e-03	0.0	-3.53e-04
3538	178	-3.93	5.13	-2.05	1.68e-04	0.0	4.22e-04
3538	193	-1.06	-8.16	-4.03	1.27e-03	0.0	-3.53e-04
3538	210	-4.50	5.99	-2.08	1.86e-04	0.0	4.91e-04
3538	225	-1.23	-9.55	-4.40	1.48e-03	0.0	-4.18e-04
3539	19	-4.93e-03	4.69	-1.08	-6.75e-04	0.0	2.02e-05
3539	28	3.61e-03	-1.88	-3.17	3.28e-04	0.0	-6.51e-06
3539	46	0.01	-2.94	-1.77	4.54e-04	0.0	-7.21e-06
3539	72	-3.93e-03	3.11	-1.24	-4.38e-04	0.0	1.30e-05
3539	80	2.29e-03	-1.26	-2.26	2.21e-04	0.0	-4.44e-06
3539	86	6.09e-03	-1.98	-1.70	3.15e-04	0.0	-5.24e-06
3539	98	-2.15e-03	-0.09	-1.88	4.47e-05	0.0	-1.67e-06
3539	102	-2.08e-03	0.57	-1.39	-6.25e-05	0.0	1.68e-06
3539	103	-2.54e-03	0.55	-1.77	-5.11e-05	0.0	1.23e-06
3539	107	-2.08e-03	-0.09	-1.81	4.28e-05	0.0	-1.60e-06
3539	114	-3.68	4.74	-0.72	1.70e-04	0.0	3.82e-04
3539	129	-0.93	-7.35	-3.74	1.15e-03	0.0	-3.13e-04
3539	146	-4.14	5.35	-0.59	1.87e-04	0.0	4.30e-04
3539	161	-1.05	-8.27	-3.99	1.29e-03	0.0	-3.53e-04
3539	178	-3.93	5.27	-0.62	1.78e-04	0.0	4.21e-04
3539	193	-1.06	-8.24	-3.97	1.28e-03	0.0	-3.52e-04
3539	210	-4.50	6.15	-0.42	1.99e-04	0.0	4.90e-04
3539	225	-1.23	-9.64	-4.33	1.49e-03	0.0	-4.18e-04
3540	19	0.04	4.68	-1.07	6.64e-04	0.0	1.98e-06
3540	28	0.10	-1.94	-3.15	-7.43e-05	0.0	-2.39e-06
3540	72	0.04	3.09	-1.23	4.54e-04	0.0	0.0
3540	80	0.07	-1.30	-2.25	-4.65e-05	0.0	-1.76e-06
3540	98	0.05	-0.11	-1.87	4.45e-05	0.0	-2.33e-06
3540	102	0.04	0.56	-1.38	1.16e-04	0.0	-1.24e-06
3540	107	0.05	-0.11	-1.80	4.26e-05	0.0	-2.24e-06
3540	113	4.61	-5.09	-1.55	-4.82e-05	0.0	-3.98e-04
3540	129	-1.08	-7.84	-3.82	1.01e-03	0.0	-3.22e-04
3540	145	5.18	-5.72	-1.51	-5.99e-05	0.0	-4.47e-04
3540	161	-1.23	-8.82	-4.08	1.14e-03	0.0	-3.63e-04
3540	177	4.93	-5.63	-1.54	-5.24e-05	0.0	-4.38e-04
3540	193	-1.24	-8.78	-4.05	1.13e-03	0.0	-3.63e-04
3540	209	5.63	-6.54	-1.51	-6.59e-05	0.0	-5.10e-04
3540	225	-1.45	-10.27	-4.42	1.31e-03	0.0	-4.31e-04
3541	19	0.04	4.68	-1.08	6.65e-04	0.0	1.53e-05
3541	28	0.10	-1.94	-3.17	-7.42e-05	0.0	-6.39e-06
3541	72	0.04	3.09	-1.24	4.55e-04	0.0	9.56e-06
3541	80	0.07	-1.30	-2.26	-4.64e-05	0.0	-4.42e-06
3541	98	0.05	-0.11	-1.88	4.48e-05	0.0	-2.33e-06
3541	102	0.04	0.56	-1.39	1.16e-04	0.0	0.0
3541	107	0.05	-0.11	-1.81	4.29e-05	0.0	-2.24e-06
3541	113	4.61	-5.22	-2.90	-5.23e-05	0.0	-3.98e-04
3541	129	-1.08	-7.91	-3.75	1.02e-03	0.0	-3.22e-04
3541	145	5.18	-5.86	-3.04	-6.46e-05	0.0	-4.47e-04
3541	161	-1.23	-8.89	-3.99	1.14e-03	0.0	-3.63e-04
3541	177	4.93	-5.77	-3.01	-5.73e-05	0.0	-4.38e-04
3541	193	-1.24	-8.86	-3.97	1.13e-03	0.0	-3.63e-04
3541	209	5.63	-6.71	-3.20	-7.19e-05	0.0	-5.10e-04
3541	225	-1.45	-10.37	-4.33	1.31e-03	0.0	-4.31e-04

3542	18	-0.02	2.47	-2.39	-2.80e-03	0.0	-2.76e-05
3542	19	-0.01	2.51	-1.07	-2.84e-03	0.0	-2.46e-05
3542	28	-9.03e-03	-1.09	-3.13	9.76e-04	0.0	4.18e-06
3542	72	-0.01	1.66	-1.22	-1.88e-03	0.0	-1.72e-05
3542	75	-0.01	1.65	-1.74	-1.87e-03	0.0	-1.86e-05
3542	80	-6.80e-03	-0.73	-2.24	6.53e-04	0.0	2.61e-06
3542	98	-0.01	-0.04	-1.86	4.38e-05	0.0	-3.26e-06
3542	102	-8.27e-03	0.31	-1.38	-3.52e-04	0.0	-5.11e-06
3542	103	-0.01	0.30	-1.75	-3.41e-04	0.0	-6.11e-06
3542	107	-9.72e-03	-0.04	-1.79	4.19e-05	0.0	-3.09e-06
3542	114	-2.80	4.18	-0.67	2.56e-04	0.0	3.22e-04
3542	129	-0.73	-6.04	-3.70	1.42e-03	0.0	-2.58e-04
3542	146	-3.15	4.71	-0.53	2.84e-04	0.0	3.63e-04
3542	161	-0.82	-6.80	-3.94	1.59e-03	0.0	-2.91e-04
3542	178	-2.98	4.65	-0.55	2.72e-04	0.0	3.58e-04
3542	193	-0.83	-6.78	-3.93	1.58e-03	0.0	-2.92e-04
3542	210	-3.40	5.44	-0.35	3.06e-04	0.0	4.18e-04
3542	225	-0.96	-7.95	-4.29	1.84e-03	0.0	-3.48e-04
3543	28	0.04	-0.51	-3.13	7.73e-04	-1.91e-04	-7.36e-06
3543	44	0.04	-0.81	-2.96	7.48e-04	-1.69e-04	-5.79e-06
3543	80	0.03	-0.34	-2.23	5.49e-04	-1.36e-04	-5.16e-06
3543	88	0.03	-0.54	-2.12	5.33e-04	-1.21e-04	-4.11e-06
3543	98	0.02	-0.02	-1.85	4.37e-04	-1.18e-04	-4.63e-06
3543	105	0.02	-0.12	-1.83	4.36e-04	-1.13e-04	-4.23e-06
3543	107	0.02	-0.02	-1.79	4.22e-04	-1.14e-04	-4.39e-06
3543	113	2.62	-3.84	-2.91	8.65e-04	-2.32e-04	-2.95e-04
3543	129	-0.65	-5.28	-3.71	1.17e-03	-8.50e-05	-2.24e-04
3543	145	2.94	-4.32	-3.05	9.20e-04	-2.46e-04	-3.32e-04
3543	161	-0.74	-5.94	-3.95	1.27e-03	-8.14e-05	-2.53e-04
3543	177	2.78	-4.27	-3.02	9.13e-04	-2.38e-04	-3.30e-04
3543	193	-0.75	-5.93	-3.93	1.26e-03	-8.14e-05	-2.56e-04
3543	209	3.17	-4.98	-3.23	9.95e-04	-2.55e-04	-3.86e-04
3543	225	-0.87	-6.97	-4.30	1.41e-03	-7.63e-05	-3.05e-04
3544	4	-0.08	2.30	-2.80	-1.11e-03	0.0	3.81e-05
3544	19	-0.04	3.98	-1.07	-1.95e-03	0.0	6.72e-05
3544	28	-0.07	-1.60	-3.14	7.10e-04	0.0	-2.01e-05
3544	68	-0.06	1.53	-2.02	-7.40e-04	0.0	2.54e-05
3544	72	-0.04	2.64	-1.23	-1.29e-03	0.0	4.45e-05
3544	80	-0.05	-1.07	-2.25	4.77e-04	0.0	-1.34e-05
3544	98	-0.05	-0.07	-1.86	4.42e-05	0.0	-1.43e-06
3544	102	-0.03	0.49	-1.38	-2.33e-04	0.0	8.21e-06
3544	107	-0.04	-0.06	-1.80	4.23e-05	0.0	-1.35e-06
3544	114	-2.97	4.55	-0.67	2.23e-04	0.0	3.66e-04
3544	129	-0.79	-6.77	-3.70	1.31e-03	0.0	-2.98e-04
3544	146	-3.33	5.13	-0.53	2.46e-04	0.0	4.12e-04
3544	161	-0.88	-7.62	-3.94	1.47e-03	0.0	-3.36e-04
3544	178	-3.16	5.06	-0.55	2.35e-04	0.0	4.04e-04
3544	193	-0.89	-7.60	-3.92	1.45e-03	0.0	-3.36e-04
3544	210	-3.61	5.91	-0.35	2.64e-04	0.0	4.70e-04
3544	225	-1.03	-8.90	-4.28	1.69e-03	0.0	-3.99e-04
3545	19	-5.73e-03	4.70	-1.08	-6.72e-04	0.0	3.55e-05
3545	28	2.67e-03	-1.88	-3.17	3.27e-04	0.0	-1.11e-05
3545	46	9.43e-03	-2.94	-1.77	4.53e-04	0.0	-1.49e-05
3545	72	-4.70e-03	3.11	-1.24	-4.36e-04	0.0	2.32e-05
3545	80	1.58e-03	-1.26	-2.26	2.21e-04	0.0	-7.49e-06
3545	86	5.41e-03	-1.99	-1.70	3.14e-04	0.0	-1.03e-05
3545	98	-2.88e-03	-0.09	-1.88	4.48e-05	0.0	-1.67e-06
3545	102	-2.80e-03	0.57	-1.39	-6.20e-05	0.0	3.73e-06
3545	103	-3.27e-03	0.55	-1.78	-5.07e-05	0.0	3.28e-06
3545	107	-2.80e-03	-0.09	-1.82	4.29e-05	0.0	-1.59e-06
3545	114	-3.68	4.87	-0.67	1.79e-04	0.0	3.82e-04
3545	129	-0.93	-7.41	-3.69	1.16e-03	0.0	-3.12e-04
3545	146	-4.14	5.49	-0.52	1.96e-04	0.0	4.30e-04
3545	161	-1.05	-8.34	-3.92	1.30e-03	0.0	-3.52e-04
3545	178	-3.93	5.40	-0.54	1.88e-04	0.0	4.21e-04
3545	193	-1.06	-8.31	-3.91	1.29e-03	0.0	-3.52e-04
3545	210	-4.50	6.31	-0.33	2.10e-04	0.0	4.90e-04
3545	225	-1.23	-9.73	-4.27	1.50e-03	0.0	-4.17e-04
3546	19	0.04	4.69	-1.09	6.68e-04	0.0	2.86e-05
3546	28	0.10	-1.94	-3.18	-7.44e-05	0.0	-1.04e-05
3546	72	0.04	3.10	-1.24	4.57e-04	0.0	1.84e-05
3546	80	0.07	-1.30	-2.27	-4.65e-05	0.0	-7.08e-06
3546	98	0.05	-0.11	-1.89	4.51e-05	0.0	-2.33e-06
3546	102	0.04	0.56	-1.40	1.17e-04	0.0	2.31e-06
3546	107	0.05	-0.11	-1.82	4.32e-05	0.0	-2.24e-06

3546	113	4.61	-5.35	-2.98	5.78e-04	0.0	-3.98e-04
3546	129	-1.08	-7.98	-3.68	1.02e-03	0.0	-3.22e-04
3546	145	5.18	-6.01	-3.12	6.45e-04	0.0	-4.47e-04
3546	161	-1.23	-8.97	-3.91	1.14e-03	0.0	-3.63e-04
3546	177	4.93	-5.92	-3.11	6.26e-04	0.0	-4.38e-04
3546	193	-1.24	-8.94	-3.90	1.13e-03	0.0	-3.63e-04
3546	209	5.63	-6.88	-3.33	7.17e-04	0.0	-5.10e-04
3546	225	-1.45	-10.46	-4.26	1.32e-03	0.0	-4.31e-04
3547	19	0.08	4.00	-1.07	1.80e-03	0.0	-3.38e-06
3547	28	0.20	-1.79	-3.15	-4.16e-04	0.0	-2.45e-06
3547	72	0.08	2.63	-1.23	1.21e-03	0.0	-3.13e-06
3547	80	0.14	-1.21	-2.25	-2.74e-04	0.0	-1.88e-06
3547	98	0.11	-0.13	-1.87	4.45e-05	0.0	-3.17e-06
3547	105	0.11	-0.48	-1.84	-6.64e-05	0.0	-2.42e-06
3547	107	0.11	-0.13	-1.80	4.26e-05	0.0	-3.06e-06
3547	113	5.52	-5.34	-1.55	-2.44e-05	0.0	-4.06e-04
3547	129	-1.24	-8.31	-3.82	9.06e-04	0.0	-3.28e-04
3547	145	6.20	-6.00	-1.52	-3.30e-05	0.0	-4.57e-04
3547	161	-1.41	-9.34	-4.08	1.01e-03	0.0	-3.69e-04
3547	177	5.91	-5.90	-1.54	-2.63e-05	0.0	-4.49e-04
3547	193	-1.42	-9.30	-4.05	1.00e-03	0.0	-3.70e-04
3547	209	6.75	-6.86	-1.51	-3.56e-05	0.0	-5.22e-04
3547	225	-1.67	-10.88	-4.42	1.17e-03	0.0	-4.39e-04
3548	19	0.08	4.00	-1.08	1.80e-03	0.0	8.92e-06
3548	28	0.20	-1.80	-3.16	-4.16e-04	0.0	-6.14e-06
3548	72	0.08	2.63	-1.24	1.21e-03	0.0	5.07e-06
3548	80	0.14	-1.21	-2.26	-2.74e-04	0.0	-4.34e-06
3548	98	0.11	-0.14	-1.88	4.49e-05	0.0	-3.17e-06
3548	105	0.11	-0.48	-1.85	-6.62e-05	0.0	-3.24e-06
3548	107	0.11	-0.13	-1.81	4.30e-05	0.0	-3.06e-06
3548	113	5.52	-5.48	-2.90	-2.65e-05	0.0	-4.06e-04
3548	129	-1.24	-8.38	-3.75	9.08e-04	0.0	-3.28e-04
3548	145	6.20	-6.15	-3.04	-3.54e-05	0.0	-4.57e-04
3548	161	-1.41	-9.42	-3.99	1.02e-03	0.0	-3.69e-04
3548	177	5.91	-6.05	-3.01	-2.90e-05	0.0	-4.49e-04
3548	193	-1.42	-9.38	-3.97	1.01e-03	0.0	-3.70e-04
3548	209	6.75	-7.03	-3.20	-3.90e-05	0.0	-5.22e-04
3548	225	-1.67	-10.97	-4.33	1.17e-03	0.0	-4.39e-04
3549	19	0.11	2.77	-1.08	2.62e-03	0.0	-3.48e-06
3549	28	0.28	-1.49	-3.16	-6.60e-04	0.0	-4.26e-06
3549	72	0.12	1.81	-1.24	1.76e-03	0.0	-3.47e-06
3549	80	0.20	-1.00	-2.26	-4.37e-04	0.0	-3.16e-06
3549	98	0.17	-0.16	-1.87	4.45e-05	0.0	-4.09e-06
3549	105	0.16	-0.42	-1.85	-1.21e-04	0.0	-3.39e-06
3549	107	0.16	-0.15	-1.81	4.26e-05	0.0	-3.96e-06
3549	113	6.38	-5.57	-1.57	-7.69e-06	0.0	-4.14e-04
3549	129	-1.38	-8.73	-3.81	8.31e-04	0.0	-3.32e-04
3549	145	7.16	-6.25	-1.54	-1.42e-05	0.0	-4.66e-04
3549	161	-1.58	-9.81	-4.06	9.30e-04	0.0	-3.74e-04
3549	177	6.82	-6.15	-1.57	-7.99e-06	0.0	-4.57e-04
3549	193	-1.59	-9.76	-4.03	9.19e-04	0.0	-3.76e-04
3549	209	7.80	-7.13	-1.53	-1.43e-05	0.0	-5.32e-04
3549	225	-1.87	-11.41	-4.41	1.07e-03	0.0	-4.46e-04
3550	19	0.11	2.77	-1.08	2.62e-03	0.0	1.85e-06
3550	28	0.29	-1.49	-3.16	-6.60e-04	0.0	-5.85e-06
3550	72	0.12	1.81	-1.24	1.76e-03	0.0	0.0
3550	80	0.20	-1.00	-2.26	-4.37e-04	0.0	-4.22e-06
3550	98	0.17	-0.16	-1.88	4.50e-05	0.0	-4.09e-06
3550	105	0.16	-0.42	-1.85	-1.21e-04	0.0	-3.75e-06
3550	107	0.16	-0.15	-1.81	4.31e-05	0.0	-3.96e-06
3550	113	6.38	-5.71	-2.90	-8.65e-06	0.0	-4.14e-04
3550	129	-1.38	-8.80	-3.75	8.32e-04	0.0	-3.32e-04
3550	145	7.15	-6.40	-3.04	-1.53e-05	0.0	-4.66e-04
3550	161	-1.58	-9.89	-3.99	9.31e-04	0.0	-3.74e-04
3550	177	6.82	-6.30	-3.01	-9.51e-06	0.0	-4.57e-04
3550	193	-1.59	-9.84	-3.97	9.21e-04	0.0	-3.75e-04
3550	209	7.80	-7.31	-3.20	-1.64e-05	0.0	-5.32e-04
3550	225	-1.87	-11.51	-4.34	1.07e-03	0.0	-4.46e-04
3551	28	0.26	-1.07	-3.18	1.13e-03	-6.99e-05	-6.95e-06
3551	44	0.23	-1.55	-3.01	1.77e-03	-6.07e-05	-5.23e-06
3551	80	0.18	-0.73	-2.27	7.63e-04	-4.93e-05	-5.05e-06
3551	88	0.16	-1.05	-2.15	1.19e-03	-4.32e-05	-3.90e-06
3551	98	0.15	-0.18	-1.89	9.40e-05	-4.27e-05	-5.13e-06
3551	105	0.14	-0.34	-1.86	3.08e-04	-4.06e-05	-4.63e-06
3551	107	0.14	-0.17	-1.82	9.05e-05	-4.07e-05	-4.96e-06

3551	113	6.58	-5.78	-2.90	-5.04e-05	2.68e-04	-4.21e-04
3551	129	-1.45	-9.12	-3.79	1.30e-03	-1.09e-04	-3.35e-04
3551	145	7.38	-6.48	-3.03	-6.83e-05	3.06e-04	-4.73e-04
3551	161	-1.65	-10.24	-4.04	1.45e-03	-1.17e-04	-3.78e-04
3551	177	7.04	-6.37	-3.00	-5.71e-05	2.95e-04	-4.66e-04
3551	193	-1.66	-10.19	-4.02	1.43e-03	-1.16e-04	-3.80e-04
3551	209	8.05	-7.39	-3.18	-7.84e-05	3.48e-04	-5.42e-04
3551	225	-1.95	-11.91	-4.39	1.66e-03	-1.27e-04	-4.52e-04
3552	28	0.26	-1.08	-3.16	1.13e-03	-7.42e-05	-5.14e-06
3552	44	0.23	-1.55	-2.99	1.78e-03	-6.55e-05	-2.31e-06
3552	80	0.18	-0.73	-2.26	7.62e-04	-5.29e-05	-3.84e-06
3552	88	0.16	-1.05	-2.14	1.20e-03	-4.71e-05	-1.95e-06
3552	98	0.15	-0.18	-1.88	8.30e-05	-4.67e-05	-5.06e-06
3552	105	0.14	-0.34	-1.85	3.01e-04	-4.47e-05	-4.19e-06
3552	107	0.14	-0.17	-1.81	7.99e-05	-4.48e-05	-4.90e-06
3552	113	6.58	-5.91	-2.90	-7.34e-05	2.76e-04	-4.21e-04
3552	129	-1.45	-9.18	-3.75	1.30e-03	-1.16e-04	-3.35e-04
3552	145	7.38	-6.64	-3.04	-9.28e-05	3.16e-04	-4.73e-04
3552	161	-1.65	-10.32	-3.99	1.45e-03	-1.25e-04	-3.78e-04
3552	177	7.04	-6.52	-3.01	-8.11e-05	3.04e-04	-4.65e-04
3552	193	-1.66	-10.27	-3.97	1.43e-03	-1.24e-04	-3.80e-04
3552	209	8.05	-7.57	-3.20	-1.04e-04	3.59e-04	-5.42e-04
3552	225	-1.95	-12.01	-4.34	1.65e-03	-1.36e-04	-4.52e-04
3553	19	0.08	4.00	-1.09	1.81e-03	0.0	2.12e-05
3553	28	0.20	-1.80	-3.18	-4.16e-04	0.0	-9.83e-06
3553	72	0.08	2.63	-1.24	1.22e-03	0.0	1.33e-05
3553	80	0.14	-1.21	-2.27	-2.74e-04	0.0	-6.80e-06
3553	98	0.11	-0.14	-1.88	4.52e-05	0.0	-3.17e-06
3553	105	0.11	-0.48	-1.86	-6.60e-05	0.0	-4.06e-06
3553	107	0.11	-0.13	-1.82	4.33e-05	0.0	-3.06e-06
3553	113	5.52	-5.61	-2.97	5.10e-04	0.0	-4.06e-04
3553	129	-1.24	-8.45	-3.68	9.09e-04	0.0	-3.28e-04
3553	145	6.20	-6.30	-3.12	5.68e-04	0.0	-4.57e-04
3553	161	-1.41	-9.50	-3.92	1.02e-03	0.0	-3.69e-04
3553	177	5.91	-6.20	-3.10	5.51e-04	0.0	-4.49e-04
3553	193	-1.42	-9.46	-3.90	1.01e-03	0.0	-3.70e-04
3553	209	6.75	-7.20	-3.32	6.30e-04	0.0	-5.22e-04
3553	225	-1.67	-11.06	-4.26	1.17e-03	0.0	-4.39e-04
3554	19	0.11	2.77	-1.08	2.62e-03	0.0	7.14e-06
3554	28	0.29	-1.49	-3.17	-6.60e-04	0.0	-7.44e-06
3554	72	0.12	1.81	-1.24	1.76e-03	0.0	3.61e-06
3554	80	0.20	-1.01	-2.26	-4.37e-04	0.0	-5.28e-06
3554	98	0.17	-0.16	-1.88	4.53e-05	0.0	-4.09e-06
3554	105	0.16	-0.42	-1.85	-1.20e-04	0.0	-4.10e-06
3554	107	0.16	-0.15	-1.81	4.34e-05	0.0	-3.96e-06
3554	113	6.38	-5.84	-2.95	4.63e-04	0.0	-4.14e-04
3554	129	-1.38	-8.86	-3.69	8.33e-04	0.0	-3.32e-04
3554	145	7.16	-6.56	-3.09	5.15e-04	0.0	-4.66e-04
3554	161	-1.58	-9.96	-3.93	9.32e-04	0.0	-3.74e-04
3554	177	6.83	-6.45	-3.07	5.00e-04	0.0	-4.57e-04
3554	193	-1.59	-9.92	-3.91	9.22e-04	0.0	-3.75e-04
3554	209	7.80	-7.49	-3.28	5.71e-04	0.0	-5.32e-04
3554	225	-1.87	-11.60	-4.27	1.07e-03	0.0	-4.46e-04
3555	28	0.26	-1.08	-3.14	1.08e-03	-8.42e-05	-3.59e-06
3555	44	0.23	-1.55	-2.97	1.70e-03	-7.52e-05	0.0
3555	80	0.18	-0.73	-2.24	7.27e-04	-6.04e-05	-2.80e-06
3555	88	0.16	-1.05	-2.13	1.14e-03	-5.45e-05	0.0
3555	98	0.15	-0.18	-1.86	8.09e-05	-5.39e-05	-4.95e-06
3555	105	0.14	-0.35	-1.84	2.88e-04	-5.18e-05	-3.79e-06
3555	107	0.14	-0.17	-1.80	7.78e-05	-5.20e-05	-4.80e-06
3555	113	6.58	-6.05	-2.91	-8.08e-05	2.67e-04	-4.21e-04
3555	129	-1.45	-9.25	-3.70	1.26e-03	-1.23e-04	-3.35e-04
3555	145	7.38	-6.79	-3.05	-1.01e-04	3.07e-04	-4.73e-04
3555	161	-1.65	-10.40	-3.94	1.41e-03	-1.32e-04	-3.78e-04
3555	177	7.04	-6.68	-3.03	-8.91e-05	2.95e-04	-4.65e-04
3555	193	-1.66	-10.35	-3.92	1.39e-03	-1.31e-04	-3.80e-04
3555	209	8.05	-7.75	-3.24	-1.13e-04	3.49e-04	-5.42e-04
3555	225	-1.95	-12.10	-4.29	1.61e-03	-1.43e-04	-4.52e-04
3556	28	0.04	-0.50	-2.45	6.84e-04	-1.97e-04	1.75e-05
3556	44	0.04	-0.79	-2.34	6.69e-04	-1.88e-04	2.36e-05
3556	80	0.03	-0.33	-1.74	4.86e-04	-1.47e-04	1.22e-05
3556	88	0.03	-0.53	-1.66	4.75e-04	-1.41e-04	1.63e-05
3556	98	0.02	-0.02	-1.40	3.82e-04	-1.41e-04	5.41e-06
3556	105	0.02	-0.12	-1.39	3.83e-04	-1.38e-04	7.47e-06
3556	107	0.02	-0.02	-1.35	3.68e-04	-1.39e-04	5.31e-06

3556	113	2.62	-4.61	-0.87	8.88e-04	9.93e-05	-2.77e-04
3556	129	-0.64	-5.59	-3.51	1.15e-03	-1.07e-05	-2.09e-04
3556	145	2.94	-5.18	-0.81	9.54e-04	1.29e-04	-3.13e-04
3556	161	-0.73	-6.30	-3.78	1.25e-03	5.39e-06	-2.37e-04
3556	177	2.78	-5.13	-0.84	9.47e-04	1.24e-04	-3.10e-04
3556	193	-0.74	-6.31	-3.75	1.25e-03	2.36e-06	-2.41e-04
3556	209	3.17	-5.99	-0.76	1.04e-03	1.67e-04	-3.64e-04
3556	225	-0.87	-7.43	-4.16	1.40e-03	2.66e-05	-2.88e-04
3557	18	-0.02	1.14	-1.73	-5.80e-04	0.0	-3.46e-04
3557	19	-0.02	1.18	-0.68	-6.06e-04	0.0	-3.35e-04
3557	28	-6.26e-03	-0.67	-2.44	2.77e-04	0.0	7.79e-05
3557	72	-0.01	0.78	-0.83	-3.97e-04	0.0	-2.27e-04
3557	75	-0.02	0.76	-1.26	-3.85e-04	0.0	-2.31e-04
3557	80	-5.35e-03	-0.45	-1.74	1.87e-04	0.0	5.11e-05
3557	98	-0.01	-0.03	-1.40	2.81e-05	0.0	-1.32e-05
3557	103	-0.01	0.13	-1.31	-5.64e-05	0.0	-5.61e-05
3557	105	-8.34e-03	-0.17	-1.39	7.74e-05	0.0	9.60e-06
3557	107	-0.01	-0.03	-1.35	2.67e-05	0.0	-1.27e-05
3557	114	-2.80	4.92	-1.83	4.07e-04	0.0	2.98e-04
3557	129	-0.72	-6.31	-3.51	1.01e-03	0.0	1.69e-05
3557	146	-3.15	5.55	-1.90	4.55e-04	0.0	3.37e-04
3557	161	-0.82	-7.11	-3.78	1.14e-03	0.0	2.02e-05
3557	178	-2.98	5.47	-1.86	4.24e-04	0.0	3.38e-04
3557	193	-0.83	-7.11	-3.75	1.13e-03	0.0	1.61e-05
3557	210	-3.40	6.39	-1.94	4.76e-04	0.0	4.00e-04
3557	225	-0.96	-8.36	-4.16	1.32e-03	0.0	1.75e-05
3558	18	-0.02	0.96	-1.66	-3.16e-04	0.0	-3.21e-04
3558	19	-0.02	0.99	-0.63	-3.53e-04	0.0	-3.08e-04
3558	28	-2.41e-03	-0.62	-2.38	2.30e-04	0.0	6.41e-05
3558	75	-0.01	0.63	-1.21	-2.08e-04	0.0	-2.15e-04
3558	80	-2.68e-03	-0.42	-1.68	1.56e-04	0.0	4.16e-05
3558	88	9.72e-04	-0.65	-1.61	2.20e-04	0.0	8.42e-05
3558	98	-8.11e-03	-0.04	-1.35	4.37e-05	0.0	-1.64e-05
3558	103	-9.28e-03	0.10	-1.25	-9.06e-06	0.0	-5.54e-05
3558	105	-6.29e-03	-0.16	-1.33	7.65e-05	0.0	4.57e-06
3558	107	-8.11e-03	-0.04	-1.29	4.18e-05	0.0	-1.58e-05
3558	114	-2.80	5.10	0.04	3.79e-04	0.0	3.06e-04
3558	129	-0.72	-6.35	-3.37	1.31e-03	0.0	1.56e-05
3558	146	-3.14	5.75	0.21	4.21e-04	0.0	3.47e-04
3558	161	-0.81	-7.16	-3.63	1.46e-03	0.0	1.91e-05
3558	178	-2.97	5.67	0.17	3.99e-04	0.0	3.48e-04
3558	193	-0.82	-7.17	-3.61	1.45e-03	0.0	1.51e-05
3558	210	-3.39	6.63	0.41	4.49e-04	0.0	4.12e-04
3558	225	-0.96	-8.43	-4.01	1.69e-03	0.0	1.68e-05
3559	28	0.04	-0.49	-2.38	6.63e-04	-1.31e-04	2.10e-05
3559	44	0.04	-0.78	-2.27	6.50e-04	-1.29e-04	2.29e-05
3559	80	0.03	-0.33	-1.69	4.71e-04	-1.01e-04	1.50e-05
3559	88	0.03	-0.52	-1.61	4.62e-04	-9.96e-05	1.63e-05
3559	98	0.02	-0.02	-1.35	3.69e-04	-1.01e-04	1.08e-05
3559	105	0.02	-0.12	-1.34	3.71e-04	-1.00e-04	1.16e-05
3559	107	0.02	-0.02	-1.30	3.56e-04	-1.01e-04	1.05e-05
3559	113	2.62	-4.78	-2.63	8.94e-04	3.32e-04	-2.77e-04
3559	129	-0.65	-5.67	-3.37	1.14e-03	1.39e-04	-2.11e-04
3559	145	2.94	-5.38	-2.80	9.61e-04	3.86e-04	-3.13e-04
3559	161	-0.73	-6.39	-3.63	1.24e-03	1.68e-04	-2.40e-04
3559	177	2.78	-5.33	-2.77	9.55e-04	3.71e-04	-3.10e-04
3559	193	-0.74	-6.41	-3.62	1.24e-03	1.58e-04	-2.43e-04
3559	209	3.17	-6.23	-3.00	1.06e-03	4.45e-04	-3.64e-04
3559	225	-0.87	-7.54	-4.02	1.39e-03	1.99e-04	-2.92e-04
3560	18	-0.07	1.46	-1.72	-3.40e-04	0.0	-6.34e-04
3560	19	-0.05	1.51	-0.68	-3.74e-04	0.0	-6.11e-04
3560	28	-0.05	-0.81	-2.43	2.31e-04	0.0	1.29e-04
3560	72	-0.05	0.99	-0.83	-2.39e-04	0.0	-4.16e-04
3560	75	-0.05	0.97	-1.25	-2.24e-04	0.0	-4.25e-04
3560	80	-0.04	-0.54	-1.73	1.57e-04	0.0	8.36e-05
3560	98	-0.04	-0.05	-1.39	4.11e-05	0.0	-3.07e-05
3560	103	-0.04	0.16	-1.30	-1.42e-05	0.0	-1.08e-04
3560	105	-0.04	-0.21	-1.38	7.52e-05	0.0	1.02e-05
3560	107	-0.04	-0.05	-1.34	3.93e-05	0.0	-2.95e-05
3560	114	-3.09	5.29	-1.84	3.52e-04	0.0	3.28e-04
3560	129	-0.81	-7.01	-3.51	1.29e-03	0.0	4.40e-05
3560	146	-3.47	5.96	-1.90	3.91e-04	0.0	3.73e-04
3560	161	-0.91	-7.89	-3.78	1.45e-03	0.0	5.25e-05
3560	178	-3.29	5.86	-1.86	3.69e-04	0.0	3.74e-04
3560	193	-0.92	-7.89	-3.75	1.43e-03	0.0	4.61e-05

3560	210	-3.76	6.84	-1.94	4.15e-04	0.0	4.45e-04
3560	225	-1.07	-9.26	-4.16	1.66e-03	0.0	5.36e-05
3561	18	-0.06	1.10	-1.66	-2.06e-04	0.0	-5.46e-04
3561	19	-0.04	1.16	-0.63	-2.46e-04	0.0	-5.21e-04
3561	28	-0.04	-0.74	-2.37	2.07e-04	0.0	9.74e-05
3561	75	-0.04	0.73	-1.20	-1.34e-04	0.0	-3.66e-04
3561	80	-0.03	-0.50	-1.68	1.41e-04	0.0	6.24e-05
3561	88	-0.02	-0.76	-1.61	1.91e-04	0.0	1.33e-04
3561	98	-0.03	-0.06	-1.35	4.85e-05	0.0	-3.31e-05
3561	103	-0.03	0.10	-1.25	9.38e-06	0.0	-9.83e-05
3561	105	-0.03	-0.20	-1.33	7.44e-05	0.0	1.65e-06
3561	107	-0.03	-0.06	-1.29	4.66e-05	0.0	-3.19e-05
3561	114	-3.11	5.45	0.04	3.50e-04	0.0	3.45e-04
3561	129	-0.81	-7.02	-3.36	1.26e-03	0.0	3.99e-05
3561	146	-3.49	6.15	0.21	3.88e-04	0.0	3.92e-04
3561	161	-0.91	-7.90	-3.62	1.42e-03	0.0	4.82e-05
3561	178	-3.31	6.06	0.17	3.71e-04	0.0	3.93e-04
3561	193	-0.92	-7.91	-3.61	1.40e-03	0.0	4.22e-05
3561	210	-3.78	7.08	0.41	4.19e-04	0.0	4.68e-04
3561	225	-1.07	-9.29	-4.00	1.63e-03	0.0	4.95e-05
3562	19	-0.02	1.60	-0.66	-1.25e-04	0.0	-5.96e-04
3562	28	0.03	-0.91	-2.40	1.82e-04	0.0	1.25e-04
3562	44	0.03	-1.42	-2.29	2.33e-04	0.0	2.47e-04
3562	72	-0.02	1.05	-0.81	-6.87e-05	0.0	-4.06e-04
3562	80	0.02	-0.61	-1.71	1.26e-04	0.0	8.13e-05
3562	88	0.02	-0.95	-1.63	1.59e-04	0.0	1.62e-04
3562	98	5.79e-03	-0.07	-1.37	5.54e-05	0.0	-2.99e-05
3562	105	7.31e-03	-0.24	-1.36	7.34e-05	0.0	9.90e-06
3562	107	4.61e-03	-0.07	-1.32	5.32e-05	0.0	-2.88e-05
3562	113	3.82	-5.77	-0.80	7.60e-04	0.0	-4.09e-04
3562	129	-0.95	-7.65	-3.51	1.19e-03	0.0	4.06e-05
3562	145	4.30	-6.49	-0.73	8.48e-04	0.0	-4.57e-04
3562	161	-1.07	-8.61	-3.79	1.33e-03	0.0	4.86e-05
3562	177	4.08	-6.38	-0.77	8.24e-04	0.0	-4.58e-04
3562	193	-1.08	-8.59	-3.76	1.32e-03	0.0	4.24e-05
3562	209	4.67	-7.42	-0.70	9.45e-04	0.0	-5.34e-04
3562	225	-1.26	-10.09	-4.17	1.54e-03	0.0	4.91e-05
3563	28	0.03	-0.84	-2.37	1.82e-04	0.0	1.12e-04
3563	44	0.03	-1.28	-2.26	2.34e-04	0.0	2.25e-04
3563	80	0.02	-0.57	-1.68	1.25e-04	0.0	7.22e-05
3563	88	0.02	-0.86	-1.61	1.60e-04	0.0	1.47e-04
3563	98	7.09e-03	-0.09	-1.34	5.39e-05	0.0	-3.07e-05
3563	105	8.59e-03	-0.24	-1.33	7.23e-05	0.0	6.34e-06
3563	107	5.87e-03	-0.09	-1.29	5.18e-05	0.0	-2.96e-05
3563	113	3.82	-5.98	-2.63	7.86e-04	0.0	-4.18e-04
3563	129	-0.95	-7.66	-3.36	1.21e-03	0.0	3.84e-05
3563	145	4.29	-6.72	-2.79	8.77e-04	0.0	-4.67e-04
3563	161	-1.07	-8.62	-3.61	1.36e-03	0.0	4.63e-05
3563	177	4.08	-6.62	-2.76	8.52e-04	0.0	-4.68e-04
3563	193	-1.08	-8.62	-3.60	1.35e-03	0.0	4.02e-05
3563	209	4.67	-7.70	-3.00	9.77e-04	0.0	-5.45e-04
3563	225	-1.25	-10.12	-4.00	1.57e-03	0.0	4.67e-05
3564	19	0.01	1.60	-0.65	5.18e-05	0.0	-5.42e-04
3564	28	0.11	-1.00	-2.39	1.41e-04	0.0	1.22e-04
3564	72	0.02	1.04	-0.80	5.12e-05	0.0	-3.68e-04
3564	80	0.07	-0.67	-1.70	9.85e-05	0.0	7.99e-05
3564	98	0.05	-0.11	-1.36	6.17e-05	0.0	-2.25e-05
3564	105	0.05	-0.28	-1.35	6.81e-05	0.0	1.38e-05
3564	107	0.05	-0.10	-1.31	5.94e-05	0.0	-2.16e-05
3564	113	4.62	-6.16	-0.78	7.29e-04	0.0	-4.01e-04
3564	129	-1.08	-8.24	-3.51	1.12e-03	0.0	2.38e-05
3564	145	5.19	-6.92	-0.71	8.12e-04	0.0	-4.49e-04
3564	161	-1.23	-9.27	-3.79	1.25e-03	0.0	2.90e-05
3564	177	4.94	-6.80	-0.75	7.97e-04	0.0	-4.51e-04
3564	193	-1.24	-9.26	-3.76	1.25e-03	0.0	2.36e-05
3564	209	5.65	-7.91	-0.68	9.17e-04	0.0	-5.27e-04
3564	225	-1.44	-10.86	-4.17	1.45e-03	0.0	2.66e-05
3565	28	0.11	-0.93	-2.37	1.55e-04	0.0	1.13e-04
3565	44	0.10	-1.39	-2.26	1.88e-04	0.0	2.16e-04
3565	80	0.07	-0.63	-1.68	1.08e-04	0.0	7.34e-05
3565	88	0.07	-0.93	-1.60	1.29e-04	0.0	1.42e-04
3565	98	0.05	-0.12	-1.34	5.57e-05	0.0	-2.22e-05
3565	105	0.05	-0.28	-1.33	6.76e-05	0.0	1.18e-05
3565	107	0.05	-0.12	-1.29	5.36e-05	0.0	-2.13e-05
3565	113	4.62	-6.38	-2.62	7.59e-04	0.0	-4.02e-04

3565	129	-1.08	-8.28	-3.35	1.17e-03	0.0	2.20e-05
3565	145	5.19	-7.17	-2.79	8.47e-04	0.0	-4.50e-04
3565	161	-1.23	-9.32	-3.61	1.31e-03	0.0	2.69e-05
3565	177	4.94	-7.06	-2.76	8.26e-04	0.0	-4.51e-04
3565	193	-1.24	-9.31	-3.60	1.30e-03	0.0	2.17e-05
3565	209	5.65	-8.20	-2.99	9.50e-04	0.0	-5.27e-04
3565	225	-1.44	-10.93	-3.99	1.51e-03	0.0	2.45e-05
3566	16	-0.02	0.80	-1.05	-1.05e-04	-3.85e-05	-2.26e-04
3566	28	-1.30e-03	-0.59	-2.32	2.00e-04	-4.71e-05	2.41e-05
3566	44	4.08e-03	-0.91	-2.21	2.50e-04	-4.56e-05	6.98e-05
3566	73	-0.01	0.53	-0.79	-6.55e-05	-2.94e-05	-1.53e-04
3566	80	-1.91e-03	-0.39	-1.64	1.38e-04	-3.51e-05	1.44e-05
3566	88	1.68e-03	-0.61	-1.57	1.71e-04	-3.42e-05	4.49e-05
3566	98	-7.52e-03	-0.05	-1.30	6.36e-05	-3.29e-05	-2.33e-05
3566	102	-8.95e-03	0.08	-0.90	2.26e-05	-2.99e-05	-4.37e-05
3566	105	-5.71e-03	-0.16	-1.29	8.19e-05	-3.26e-05	-8.47e-06
3566	106	-7.75e-03	-0.03	-0.94	4.56e-05	-3.02e-05	-1.68e-05
3566	107	-7.55e-03	-0.05	-1.25	6.11e-05	-3.25e-05	-2.23e-05
3566	114	-2.79	5.28	0.21	-7.01e-04	-6.00e-04	3.34e-04
3566	129	-0.72	-6.40	-3.26	1.24e-03	-1.57e-04	8.61e-06
3566	146	-3.14	5.95	0.39	-7.97e-04	-6.72e-04	3.79e-04
3566	161	-0.81	-7.20	-3.51	1.39e-03	-1.72e-04	1.21e-05
3566	178	-2.97	5.89	0.38	-7.70e-04	-6.49e-04	3.80e-04
3566	193	-0.82	-7.22	-3.51	1.38e-03	-1.71e-04	8.78e-06
3566	210	-3.39	6.88	0.65	-9.00e-04	-7.44e-04	4.51e-04
3566	225	-0.96	-8.50	-3.90	1.60e-03	-1.92e-04	1.08e-05
3567	28	0.04	-0.47	-2.35	6.42e-04	1.28e-05	1.37e-05
3567	44	0.04	-0.77	-2.23	6.31e-04	-1.88e-05	1.53e-05
3567	80	0.03	-0.32	-1.66	4.56e-04	1.02e-05	9.95e-06
3567	88	0.03	-0.51	-1.58	4.49e-04	-1.09e-05	1.10e-05
3567	98	0.02	-0.01	-1.32	3.56e-04	2.91e-05	7.39e-06
3567	105	0.02	-0.11	-1.31	3.59e-04	1.93e-05	7.96e-06
3567	107	0.02	-9.90e-03	-1.26	3.44e-04	2.76e-05	7.28e-06
3567	113	2.62	-4.96	-2.72	9.00e-04	1.22e-03	-2.78e-04
3567	129	-0.65	-5.76	-3.27	1.14e-03	-2.49e-04	-2.20e-04
3567	145	2.94	-5.58	-2.90	9.69e-04	1.37e-03	-3.14e-04
3567	161	-0.73	-6.49	-3.53	1.24e-03	-2.84e-04	-2.49e-04
3567	177	2.78	-5.52	-2.89	9.63e-04	1.32e-03	-3.09e-04
3567	193	-0.74	-6.51	-3.52	1.24e-03	-2.82e-04	-2.51e-04
3567	209	3.16	-6.46	-3.16	1.07e-03	1.52e-03	-3.62e-04
3567	225	-0.87	-7.67	-3.92	1.39e-03	-3.29e-04	-3.00e-04
3568	18	-0.06	0.80	-1.59	-8.24e-05	2.44e-05	-4.05e-04
3568	28	-0.03	-0.69	-2.31	1.83e-04	3.00e-05	2.09e-05
3568	44	-0.02	-1.03	-2.20	2.34e-04	2.53e-05	9.63e-05
3568	75	-0.04	0.53	-1.15	-5.10e-05	1.66e-05	-2.74e-04
3568	80	-0.02	-0.46	-1.64	1.26e-04	2.04e-05	9.86e-06
3568	88	-0.02	-0.69	-1.56	1.60e-04	1.72e-05	6.01e-05
3568	98	-0.03	-0.08	-1.30	5.51e-05	1.55e-05	-5.04e-05
3568	103	-0.03	0.05	-1.20	3.10e-05	1.44e-05	-9.31e-05
3568	105	-0.03	-0.20	-1.29	7.32e-05	1.45e-05	-2.62e-05
3568	107	-0.03	-0.08	-1.25	5.29e-05	1.44e-05	-4.87e-05
3568	114	-3.12	5.64	0.22	-7.10e-04	-9.74e-04	4.15e-04
3568	129	-0.81	-7.04	-3.25	1.24e-03	-2.09e-04	3.11e-05
3568	146	-3.50	6.36	0.40	-8.05e-04	-1.10e-03	4.74e-04
3568	161	-0.91	-7.93	-3.50	1.39e-03	-2.37e-04	4.05e-05
3568	178	-3.32	6.27	0.39	-7.77e-04	-1.05e-03	4.74e-04
3568	193	-0.92	-7.94	-3.50	1.38e-03	-2.36e-04	3.49e-05
3568	210	-3.79	7.34	0.67	-9.07e-04	-1.21e-03	5.65e-04
3568	225	-1.07	-9.33	-3.89	1.61e-03	-2.75e-04	4.38e-05
3569	28	0.03	-0.78	-2.31	1.72e-04	1.10e-04	5.98e-05
3569	44	0.03	-1.15	-2.20	2.22e-04	9.90e-05	1.42e-04
3569	80	0.02	-0.52	-1.63	1.18e-04	7.85e-05	3.71e-05
3569	88	0.02	-0.77	-1.56	1.51e-04	7.09e-05	9.21e-05
3569	98	7.35e-03	-0.11	-1.30	5.07e-05	6.70e-05	-3.47e-05
3569	105	8.85e-03	-0.23	-1.28	6.82e-05	6.45e-05	-7.79e-06
3569	107	6.12e-03	-0.10	-1.24	4.87e-05	6.43e-05	-3.35e-05
3569	113	3.81	-6.20	-2.71	8.07e-04	1.43e-03	-4.50e-04
3569	129	-0.94	-7.68	-3.24	1.24e-03	-2.51e-04	2.48e-05
3569	145	4.29	-6.97	-2.89	9.01e-04	1.60e-03	-5.03e-04
3569	161	-1.07	-8.65	-3.49	1.38e-03	-2.91e-04	3.15e-05
3569	177	4.07	-6.87	-2.88	8.73e-04	1.54e-03	-5.04e-04
3569	193	-1.08	-8.66	-3.49	1.37e-03	-2.91e-04	2.63e-05
3569	209	4.66	-8.00	-3.16	1.00e-03	1.76e-03	-5.87e-04
3569	225	-1.25	-10.17	-3.88	1.60e-03	-3.46e-04	3.16e-05
3570	28	0.11	-0.86	-2.31	1.63e-04	1.34e-04	7.51e-05

3570	44	0.10	-1.26	-2.20	2.11e-04	1.19e-04	1.51e-04
3570	80	0.07	-0.58	-1.63	1.12e-04	9.53e-05	4.85e-05
3570	88	0.07	-0.85	-1.56	1.44e-04	8.60e-05	9.92e-05
3570	98	0.05	-0.13	-1.30	4.82e-05	8.25e-05	-2.04e-05
3570	105	0.05	-0.27	-1.28	6.49e-05	7.94e-05	4.56e-06
3570	107	0.05	-0.13	-1.24	4.63e-05	7.94e-05	-1.96e-05
3570	113	4.62	-6.60	-2.70	-2.45e-04	1.52e-03	-4.04e-04
3570	129	-1.08	-8.33	-3.23	1.22e-03	-2.58e-04	1.31e-05
3570	145	5.19	-7.42	-2.89	-2.83e-04	1.70e-03	-4.53e-04
3570	161	-1.23	-9.37	-3.48	1.37e-03	-3.01e-04	1.68e-05
3570	177	4.94	-7.31	-2.87	-2.69e-04	1.63e-03	-4.54e-04
3570	193	-1.24	-9.37	-3.48	1.36e-03	-3.02e-04	1.25e-05
3570	209	5.65	-8.51	-3.15	-3.18e-04	1.86e-03	-5.31e-04
3570	225	-1.44	-11.00	-3.87	1.58e-03	-3.62e-04	1.41e-05
3571	28	0.18	-1.06	-2.39	9.63e-05	0.0	1.03e-04
3571	44	0.17	-1.57	-2.28	8.43e-05	0.0	1.90e-04
3571	80	0.13	-0.71	-1.69	6.87e-05	0.0	6.77e-05
3571	88	0.12	-1.06	-1.62	6.07e-05	0.0	1.26e-04
3571	98	0.10	-0.14	-1.36	6.01e-05	0.0	-1.39e-05
3571	105	0.10	-0.32	-1.35	5.72e-05	0.0	1.48e-05
3571	107	0.10	-0.13	-1.31	5.78e-05	0.0	-1.33e-05
3571	113	5.39	-6.52	-0.78	6.98e-04	0.0	-3.94e-04
3571	129	-1.21	-8.78	-3.51	1.07e-03	0.0	1.09e-05
3571	145	6.06	-7.32	-0.71	7.78e-04	0.0	-4.42e-04
3571	161	-1.38	-9.88	-3.79	1.20e-03	0.0	1.36e-05
3571	177	5.77	-7.19	-0.75	7.66e-04	0.0	-4.42e-04
3571	193	-1.39	-9.86	-3.76	1.19e-03	0.0	9.45e-06
3571	209	6.60	-8.36	-0.67	8.82e-04	0.0	-5.17e-04
3571	225	-1.63	-11.56	-4.17	1.39e-03	0.0	9.77e-06
3572	28	0.18	-1.00	-2.37	1.29e-04	0.0	9.61e-05
3572	44	0.17	-1.47	-2.26	1.46e-04	0.0	1.77e-04
3572	80	0.13	-0.68	-1.68	8.99e-05	0.0	6.32e-05
3572	88	0.12	-0.99	-1.60	1.01e-04	0.0	1.17e-04
3572	98	0.10	-0.15	-1.34	5.39e-05	0.0	-1.27e-05
3572	105	0.10	-0.31	-1.33	6.07e-05	0.0	1.40e-05
3572	107	0.10	-0.14	-1.29	5.18e-05	0.0	-1.21e-05
3572	113	5.40	-6.75	-2.62	7.31e-04	0.0	-3.90e-04
3572	129	-1.21	-8.85	-3.35	1.13e-03	0.0	1.04e-05
3572	145	6.06	-7.58	-2.79	8.16e-04	0.0	-4.38e-04
3572	161	-1.38	-9.95	-3.61	1.26e-03	0.0	1.29e-05
3572	177	5.77	-7.46	-2.76	7.96e-04	0.0	-4.38e-04
3572	193	-1.39	-9.95	-3.59	1.26e-03	0.0	8.94e-06
3572	209	6.60	-8.67	-2.99	9.15e-04	0.0	-5.12e-04
3572	225	-1.63	-11.66	-3.99	1.46e-03	0.0	9.13e-06
3573	28	0.26	-1.09	-2.39	5.28e-05	0.0	6.29e-05
3573	44	0.24	-1.59	-2.28	1.81e-05	0.0	1.15e-04
3573	80	0.19	-0.74	-1.70	3.92e-05	0.0	4.14e-05
3573	88	0.17	-1.07	-1.62	1.60e-05	0.0	7.62e-05
3573	98	0.15	-0.17	-1.36	5.44e-05	0.0	-7.64e-06
3573	105	0.15	-0.34	-1.35	4.39e-05	0.0	9.60e-06
3573	107	0.15	-0.16	-1.31	5.23e-05	0.0	-7.30e-06
3573	113	6.19	-6.85	-0.79	6.69e-04	0.0	-4.01e-04
3573	129	-1.34	-9.30	-3.51	1.04e-03	0.0	-3.06e-04
3573	145	6.94	-7.69	-0.72	7.46e-04	0.0	-4.51e-04
3573	161	-1.53	-10.46	-3.78	1.17e-03	0.0	-3.45e-04
3573	177	6.62	-7.57	-0.76	7.33e-04	0.0	-4.48e-04
3573	193	-1.54	-10.44	-3.75	1.16e-03	0.0	-3.49e-04
3573	209	7.56	-8.79	-0.68	8.45e-04	0.0	-5.23e-04
3573	225	-1.81	-12.23	-4.16	1.35e-03	0.0	-4.16e-04
3574	28	0.25	-1.06	-2.37	1.03e-04	0.0	6.02e-05
3574	44	0.23	-1.53	-2.26	1.08e-04	0.0	1.08e-04
3574	80	0.18	-0.72	-1.68	7.24e-05	0.0	3.99e-05
3574	88	0.16	-1.03	-1.61	7.57e-05	0.0	7.18e-05
3574	98	0.15	-0.18	-1.34	4.97e-05	0.0	-5.30e-06
3574	105	0.14	-0.34	-1.33	5.23e-05	0.0	1.05e-05
3574	107	0.14	-0.17	-1.29	4.78e-05	0.0	-5.01e-06
3574	113	6.16	-7.10	-2.62	7.04e-04	0.0	-3.96e-04
3574	129	-1.34	-9.40	-3.35	1.10e-03	0.0	-3.04e-04
3574	145	6.91	-7.97	-2.79	7.86e-04	0.0	-4.46e-04
3574	161	-1.53	-10.57	-3.61	1.23e-03	0.0	-3.43e-04
3574	177	6.59	-7.84	-2.76	7.66e-04	0.0	-4.42e-04
3574	193	-1.54	-10.56	-3.59	1.22e-03	0.0	-3.48e-04
3574	209	7.53	-9.11	-2.99	8.80e-04	0.0	-5.16e-04
3574	225	-1.81	-12.38	-3.99	1.43e-03	0.0	-4.14e-04
3575	28	0.26	-1.09	-2.40	3.85e-04	-5.18e-05	-6.47e-06

3575	44	0.23	-1.56	-2.29	5.31e-04	-5.38e-05	-3.68e-06
3575	80	0.18	-0.74	-1.71	2.63e-04	-4.11e-05	-4.76e-06
3575	88	0.16	-1.05	-1.63	3.61e-04	-4.25e-05	-2.91e-06
3575	98	0.15	-0.19	-1.37	8.68e-05	-4.40e-05	-5.69e-06
3575	105	0.14	-0.36	-1.36	1.37e-04	-4.44e-05	-4.86e-06
3575	107	0.14	-0.19	-1.32	8.37e-05	-4.45e-05	-5.51e-06
3575	113	6.58	-7.18	-0.81	-6.48e-05	5.37e-04	-4.21e-04
3575	129	-1.44	-9.81	-3.50	8.63e-04	-1.87e-04	-3.35e-04
3575	145	7.38	-8.05	-0.74	-8.35e-05	6.09e-04	-4.73e-04
3575	161	-1.65	-11.03	-3.78	9.61e-04	-2.05e-04	-3.77e-04
3575	177	7.04	-7.92	-0.78	-7.32e-05	5.82e-04	-4.66e-04
3575	193	-1.66	-11.00	-3.75	9.51e-04	-2.05e-04	-3.80e-04
3575	209	8.05	-9.19	-0.70	-9.57e-05	6.76e-04	-5.42e-04
3575	225	-1.95	-12.89	-4.16	1.10e-03	-2.31e-04	-4.51e-04
3576	28	0.26	-1.09	-2.38	2.91e-04	-6.96e-05	-4.50e-06
3576	44	0.23	-1.56	-2.26	3.67e-04	-7.18e-05	0.0
3576	80	0.18	-0.74	-1.68	2.01e-04	-5.47e-05	-3.41e-06
3576	88	0.16	-1.06	-1.61	2.52e-04	-5.61e-05	-1.01e-06
3576	98	0.15	-0.20	-1.35	9.40e-05	-5.71e-05	-5.24e-06
3576	105	0.14	-0.36	-1.34	1.21e-04	-5.76e-05	-4.13e-06
3576	107	0.14	-0.19	-1.30	9.07e-05	-5.76e-05	-5.07e-06
3576	113	6.58	-7.44	-2.63	-5.43e-05	5.27e-04	-4.21e-04
3576	129	-1.44	-9.94	-3.35	7.98e-04	-2.01e-04	-3.34e-04
3576	145	7.38	-8.35	-2.79	-7.26e-05	6.00e-04	-4.73e-04
3576	161	-1.65	-11.18	-3.61	8.87e-04	-2.20e-04	-3.76e-04
3576	177	7.04	-8.21	-2.76	-6.17e-05	5.73e-04	-4.66e-04
3576	193	-1.66	-11.16	-3.60	8.77e-04	-2.20e-04	-3.79e-04
3576	209	8.05	-9.53	-3.00	-8.30e-05	6.67e-04	-5.42e-04
3576	225	-1.95	-13.07	-3.99	1.01e-03	-2.45e-04	-4.50e-04
3577	28	0.18	-0.94	-2.31	1.57e-04	1.30e-04	7.41e-05
3577	44	0.17	-1.36	-2.20	2.02e-04	1.15e-04	1.33e-04
3577	80	0.13	-0.64	-1.63	1.08e-04	9.27e-05	4.92e-05
3577	88	0.12	-0.92	-1.56	1.38e-04	8.30e-05	8.84e-05
3577	98	0.10	-0.16	-1.30	4.70e-05	8.04e-05	-6.08e-06
3577	105	0.10	-0.30	-1.28	6.29e-05	7.70e-05	1.33e-05
3577	107	0.10	-0.15	-1.24	4.53e-05	7.73e-05	-5.70e-06
3577	113	5.40	-6.98	-2.69	-2.37e-04	1.47e-03	-3.76e-04
3577	129	-1.21	-8.93	-3.22	1.19e-03	-2.55e-04	-2.83e-04
3577	145	6.06	-7.84	-2.88	-2.73e-04	1.64e-03	-4.23e-04
3577	161	-1.38	-10.04	-3.47	1.34e-03	-2.98e-04	-3.19e-04
3577	177	5.78	-7.72	-2.86	-2.60e-04	1.57e-03	-4.21e-04
3577	193	-1.39	-10.04	-3.47	1.33e-03	-2.98e-04	-3.24e-04
3577	209	6.60	-8.98	-3.14	-3.06e-04	1.80e-03	-4.93e-04
3577	225	-1.63	-11.78	-3.86	1.54e-03	-3.58e-04	-3.86e-04
3578	28	0.25	-1.02	-2.31	1.53e-04	8.70e-05	6.34e-05
3578	44	0.23	-1.47	-2.20	1.96e-04	7.53e-05	9.64e-05
3578	80	0.18	-0.69	-1.63	1.05e-04	6.09e-05	4.35e-05
3578	88	0.16	-0.99	-1.56	1.34e-04	5.32e-05	6.55e-05
3578	98	0.15	-0.18	-1.30	4.64e-05	5.06e-05	1.03e-05
3578	105	0.14	-0.33	-1.29	6.15e-05	4.79e-05	2.13e-05
3578	107	0.14	-0.17	-1.25	4.46e-05	4.81e-05	1.03e-05
3578	113	6.15	-7.35	-2.68	-2.27e-04	1.20e-03	-3.71e-04
3578	129	-1.34	-9.51	-3.21	1.16e-03	-2.30e-04	-3.01e-04
3578	145	6.90	-8.25	-2.86	-2.62e-04	1.34e-03	-4.19e-04
3578	161	-1.53	-10.69	-3.46	1.30e-03	-2.66e-04	-3.41e-04
3578	177	6.58	-8.12	-2.85	-2.48e-04	1.28e-03	-4.09e-04
3578	193	-1.54	-10.69	-3.46	1.29e-03	-2.66e-04	-3.40e-04
3578	209	7.52	-9.43	-3.12	-2.93e-04	1.47e-03	-4.78e-04
3578	225	-1.81	-12.53	-3.85	1.50e-03	-3.16e-04	-4.06e-04
3579	28	0.26	-1.10	-2.32	4.64e-04	3.23e-05	-6.20e-06
3579	44	0.23	-1.56	-2.21	4.66e-04	1.22e-05	-3.38e-06
3579	80	0.18	-0.75	-1.64	3.30e-04	2.07e-05	-4.57e-06
3579	88	0.16	-1.06	-1.56	3.32e-04	7.33e-06	-2.69e-06
3579	98	0.15	-0.20	-1.30	2.55e-04	2.01e-05	-5.56e-06
3579	105	0.14	-0.36	-1.29	2.60e-04	1.46e-05	-4.71e-06
3579	107	0.14	-0.19	-1.25	2.47e-04	1.78e-05	-5.37e-06
3579	113	6.58	-7.70	-2.67	7.41e-04	6.70e-04	-4.27e-04
3579	129	-1.44	-10.07	-3.21	9.55e-04	-1.60e-04	-3.37e-04
3579	145	7.38	-8.65	-2.85	8.03e-04	7.51e-04	-4.80e-04
3579	161	-1.65	-11.32	-3.46	1.04e-03	-1.82e-04	-3.80e-04
3579	177	7.04	-8.50	-2.83	7.97e-04	7.17e-04	-4.73e-04
3579	193	-1.66	-11.31	-3.45	1.04e-03	-1.83e-04	-3.83e-04
3579	209	8.05	-9.87	-3.10	8.90e-04	8.52e-04	-5.51e-04
3579	225	-1.95	-13.26	-3.84	1.18e-03	-2.16e-04	-4.55e-04
3580	18	0.07	0.77	-1.43	0.0	8.59e-05	-1.27e-04

3580	28	4.56e-03	-0.59	-2.03	0.0	-3.06e-05	-1.57e-05
3580	44	-5.96e-03	-0.91	-1.91	0.0	-5.07e-05	7.35e-06
3580	75	0.05	0.51	-1.03	0.0	5.59e-05	-8.68e-05
3580	80	3.16e-03	-0.39	-1.43	0.0	-2.18e-05	-1.25e-05
3580	88	-3.86e-03	-0.61	-1.35	0.0	-3.52e-05	2.85e-06
3580	98	8.14e-03	-0.05	-1.14	0.0	-5.36e-06	-2.68e-05
3580	103	0.01	0.06	-1.06	0.0	6.38e-06	-3.76e-05
3580	105	4.95e-03	-0.16	-1.13	0.0	-1.18e-05	-1.96e-05
3580	107	7.51e-03	-0.05	-1.09	0.0	-5.82e-06	-2.58e-05
3580	113	2.94	-5.38	-2.22	0.0	8.23e-04	-3.99e-04
3580	129	-0.73	-6.40	-2.63	0.0	-2.01e-04	-2.80e-04
3580	145	3.31	-6.05	-2.36	0.0	9.27e-04	-4.47e-04
3580	161	-0.82	-7.20	-2.82	0.0	-2.26e-04	-3.13e-04
3580	177	3.15	-5.98	-2.35	0.0	8.91e-04	-4.48e-04
3580	193	-0.83	-7.22	-2.82	0.0	-2.25e-04	-3.21e-04
3580	209	3.61	-6.98	-2.56	0.0	1.03e-03	-5.23e-04
3580	225	-0.96	-8.50	-3.12	0.0	-2.58e-04	-3.80e-04
3581	28	0.04	-0.47	-2.04	6.78e-04	1.28e-05	4.97e-06
3581	44	0.04	-0.77	-1.92	6.61e-04	-1.88e-05	6.69e-06
3581	80	0.03	-0.32	-1.44	4.81e-04	1.02e-05	3.76e-06
3581	88	0.03	-0.51	-1.36	4.69e-04	-1.09e-05	4.91e-06
3581	98	0.02	-0.01	-1.15	3.78e-04	2.91e-05	2.60e-06
3581	105	0.02	-0.11	-1.13	3.79e-04	1.93e-05	3.14e-06
3581	107	0.02	-0.01	-1.10	3.64e-04	2.76e-05	2.68e-06
3581	113	2.59	-4.96	-2.23	9.10e-04	1.22e-03	-2.80e-04
3581	129	-0.62	-5.76	-2.64	1.15e-03	-2.49e-04	-2.26e-04
3581	145	2.91	-5.58	-2.37	9.79e-04	1.37e-03	-3.16e-04
3581	161	-0.71	-6.49	-2.83	1.24e-03	-2.84e-04	-2.56e-04
3581	177	2.77	-5.52	-2.36	9.72e-04	1.32e-03	-3.10e-04
3581	193	-0.71	-6.51	-2.83	1.24e-03	-2.82e-04	-2.57e-04
3581	209	3.16	-6.46	-2.57	1.07e-03	1.52e-03	-3.61e-04
3581	225	-0.83	-7.67	-3.13	1.39e-03	-3.29e-04	-3.06e-04
3582	18	0.11	0.80	-1.43	0.0	9.01e-05	-2.22e-04
3582	28	-4.31e-03	-0.68	-2.02	0.0	2.12e-05	-2.93e-05
3582	44	-0.03	-1.03	-1.91	0.0	4.30e-06	9.27e-06
3582	75	0.08	0.53	-1.03	0.0	6.10e-05	-1.52e-04
3582	80	-3.16e-03	-0.46	-1.43	0.0	1.50e-05	-2.35e-05
3582	88	-0.02	-0.69	-1.35	0.0	3.78e-06	2.26e-06
3582	98	9.07e-03	-0.08	-1.14	0.0	2.11e-05	-4.80e-05
3582	103	0.02	0.05	-1.06	0.0	2.76e-05	-6.67e-05
3582	105	2.65e-03	-0.20	-1.12	0.0	1.61e-05	-3.59e-05
3582	107	8.07e-03	-0.08	-1.09	0.0	1.98e-05	-4.64e-05
3582	108	3.42	-2.66	-1.45	0.0	1.05e-03	-6.55e-04
3582	129	-0.84	-7.04	-2.62	0.0	-2.17e-04	1.90e-05
3582	140	3.84	-2.99	-1.50	0.0	1.18e-03	-7.32e-04
3582	161	-0.95	-7.93	-2.82	0.0	-2.47e-04	2.67e-05
3582	177	3.66	-6.43	-2.34	0.0	1.13e-03	-6.00e-04
3582	193	-0.95	-7.94	-2.82	0.0	-2.47e-04	2.21e-05
3582	209	4.19	-7.50	-2.56	0.0	1.30e-03	-6.97e-04
3582	225	-1.11	-9.33	-3.12	0.0	-2.88e-04	2.89e-05
3583	18	0.16	0.84	-1.43	0.0	8.73e-05	-2.36e-04
3583	28	0.03	-0.78	-2.02	0.0	7.76e-05	-2.48e-06
3583	44	-3.68e-03	-1.15	-1.91	0.0	6.55e-05	4.06e-05
3583	75	0.11	0.55	-1.03	0.0	6.15e-05	-1.60e-04
3583	80	0.02	-0.52	-1.43	0.0	5.51e-05	-4.65e-06
3583	88	-1.44e-03	-0.77	-1.35	0.0	4.70e-05	2.40e-05
3583	98	0.03	-0.11	-1.14	0.0	4.89e-05	-3.67e-05
3583	103	0.04	0.03	-1.06	0.0	4.88e-05	-5.99e-05
3583	105	0.02	-0.23	-1.12	0.0	4.59e-05	-2.30e-05
3583	107	0.03	-0.10	-1.09	0.0	4.68e-05	-3.55e-05
3583	108	4.03	-2.79	-1.45	0.0	1.26e-03	-4.72e-04
3583	129	-0.96	-7.68	-2.62	0.0	-2.31e-04	-3.40e-04
3583	140	4.53	-3.13	-1.50	0.0	1.41e-03	-5.27e-04
3583	161	-1.08	-8.65	-2.82	0.0	-2.66e-04	-3.80e-04
3583	177	4.32	-6.87	-2.34	0.0	1.36e-03	-5.35e-04
3583	193	-1.09	-8.66	-2.81	0.0	-2.66e-04	-3.88e-04
3583	209	4.95	-8.00	-2.55	0.0	1.55e-03	-6.23e-04
3583	225	-1.27	-10.17	-3.12	0.0	-3.14e-04	-4.56e-04
3584	18	0.21	0.88	-1.43	0.0	6.80e-05	-2.04e-04
3584	28	0.08	-0.86	-2.02	0.0	1.13e-04	2.33e-05
3584	44	0.05	-1.26	-1.91	0.0	1.07e-04	6.27e-05
3584	75	0.14	0.58	-1.03	0.0	4.99e-05	-1.37e-04
3584	80	0.06	-0.58	-1.43	0.0	7.99e-05	1.41e-05
3584	88	0.04	-0.85	-1.35	0.0	7.59e-05	4.04e-05
3584	98	0.06	-0.13	-1.14	0.0	6.36e-05	-1.87e-05

3584	103	0.08	0.02	-1.06	0.0	5.77e-05	-4.15e-05
3584	105	0.05	-0.27	-1.12	0.0	6.29e-05	-5.95e-06
3584	107	0.06	-0.13	-1.09	0.0	6.11e-05	-1.80e-05
3584	113	4.75	-6.60	-2.21	0.0	1.35e-03	-4.12e-04
3584	129	-1.08	-8.33	-2.62	0.0	-2.34e-04	-2.95e-04
3584	145	5.34	-7.42	-2.35	0.0	1.52e-03	-4.62e-04
3584	161	-1.23	-9.37	-2.82	0.0	-2.71e-04	-3.31e-04
3584	177	5.10	-7.31	-2.34	0.0	1.46e-03	-4.64e-04
3584	193	-1.23	-9.37	-2.81	0.0	-2.71e-04	-3.39e-04
3584	209	5.84	-8.51	-2.55	0.0	1.67e-03	-5.42e-04
3584	225	-1.44	-11.00	-3.11	0.0	-3.23e-04	-4.03e-04
3585	18	0.11	0.77	-1.16	0.0	1.46e-04	-5.63e-05
3585	28	0.02	-0.59	-1.61	0.0	-8.55e-06	-2.44e-05
3585	44	2.87e-03	-0.91	-1.51	0.0	-3.77e-05	-1.49e-05
3585	75	0.08	0.51	-0.83	0.0	9.80e-05	-3.91e-05
3585	80	0.02	-0.39	-1.14	0.0	-5.31e-06	-1.79e-05
3585	88	3.16e-03	-0.61	-1.07	0.0	-2.47e-05	-1.15e-05
3585	98	0.02	-0.05	-0.91	0.0	1.48e-05	-2.07e-05
3585	103	0.03	0.06	-0.85	0.0	3.01e-05	-2.34e-05
3585	105	0.02	-0.16	-0.89	0.0	5.58e-06	-1.79e-05
3585	107	0.02	-0.05	-0.87	0.0	1.37e-05	-1.99e-05
3585	113	3.10	-5.38	-1.67	0.0	1.04e-03	-3.75e-04
3585	129	-0.72	-6.40	-1.94	0.0	-2.30e-04	-2.62e-04
3585	145	3.49	-6.05	-1.77	0.0	1.17e-03	-4.20e-04
3585	161	-0.82	-7.20	-2.08	0.0	-2.61e-04	-2.94e-04
3585	177	3.34	-5.98	-1.77	0.0	1.13e-03	-4.21e-04
3585	193	-0.82	-7.22	-2.07	0.0	-2.59e-04	-3.03e-04
3585	209	3.83	-6.98	-1.92	0.0	1.30e-03	-4.93e-04
3585	225	-0.95	-8.50	-2.29	0.0	-3.01e-04	-3.59e-04
3586	28	0.04	-0.47	-1.59	7.10e-04	1.28e-05	1.65e-06
3586	44	0.04	-0.77	-1.48	6.83e-04	-1.88e-05	3.54e-06
3586	80	0.03	-0.32	-1.12	5.03e-04	1.02e-05	1.41e-06
3586	88	0.03	-0.51	-1.05	4.85e-04	-1.09e-05	2.67e-06
3586	98	0.02	-0.01	-0.89	3.97e-04	2.91e-05	0.0
3586	105	0.02	-0.11	-0.88	3.96e-04	1.93e-05	1.26e-06
3586	107	0.02	-0.01	-0.86	3.82e-04	2.76e-05	0.0
3586	113	2.58	-4.96	-1.66	8.99e-04	1.22e-03	-2.83e-04
3586	129	-0.60	-5.75	-1.92	1.12e-03	-2.49e-04	-2.29e-04
3586	145	2.91	-5.58	-1.76	9.64e-04	1.37e-03	-3.19e-04
3586	161	-0.68	-6.49	-2.06	1.21e-03	-2.84e-04	-2.58e-04
3586	177	2.77	-5.52	-1.75	9.58e-04	1.32e-03	-3.13e-04
3586	193	-0.68	-6.51	-2.06	1.21e-03	-2.82e-04	-2.59e-04
3586	209	3.18	-6.46	-1.90	1.06e-03	1.52e-03	-3.64e-04
3586	225	-0.79	-7.66	-2.27	1.35e-03	-3.29e-04	-3.09e-04
3587	18	0.19	0.80	-1.17	0.0	1.21e-04	-9.11e-05
3587	28	0.02	-0.68	-1.62	0.0	2.20e-05	-3.80e-05
3587	44	-0.01	-1.03	-1.52	0.0	0.0	-2.35e-05
3587	75	0.13	0.53	-0.84	0.0	8.18e-05	-6.34e-05
3587	80	0.02	-0.46	-1.14	0.0	1.60e-05	-2.80e-05
3587	88	-6.37e-03	-0.69	-1.07	0.0	1.21e-06	-1.83e-05
3587	98	0.03	-0.08	-0.92	0.0	2.61e-05	-3.28e-05
3587	103	0.05	0.05	-0.85	0.0	3.55e-05	-3.75e-05
3587	105	0.02	-0.20	-0.90	0.0	1.94e-05	-2.85e-05
3587	107	0.03	-0.08	-0.88	0.0	2.47e-05	-3.17e-05
3587	108	3.66	-2.66	-1.15	0.0	1.11e-03	-4.55e-04
3587	129	-0.84	-7.04	-1.95	0.0	-2.26e-04	-3.15e-04
3587	140	4.12	-2.99	-1.19	0.0	1.25e-03	-5.08e-04
3587	161	-0.95	-7.93	-2.09	0.0	-2.58e-04	-3.52e-04
3587	172	3.94	-2.96	-1.19	0.0	1.20e-03	-5.10e-04
3587	193	-0.95	-7.94	-2.09	0.0	-2.57e-04	-3.61e-04
3587	204	4.53	-3.45	-1.24	0.0	1.38e-03	-5.95e-04
3587	225	-1.11	-9.33	-2.30	0.0	-3.00e-04	-4.26e-04
3588	18	0.24	0.84	-1.18	0.0	8.21e-05	-9.74e-05
3588	28	0.04	-0.77	-1.63	0.0	5.95e-05	-2.91e-05
3588	44	-6.13e-04	-1.15	-1.53	0.0	4.69e-05	-1.28e-05
3588	75	0.16	0.55	-0.85	0.0	5.72e-05	-6.73e-05
3588	80	0.03	-0.52	-1.15	0.0	4.21e-05	-2.18e-05
3588	88	2.24e-03	-0.77	-1.08	0.0	3.37e-05	-1.09e-05
3588	98	0.05	-0.11	-0.92	0.0	3.90e-05	-2.92e-05
3588	103	0.07	0.03	-0.86	0.0	4.04e-05	-3.55e-05
3588	105	0.04	-0.23	-0.91	0.0	3.57e-05	-2.43e-05
3588	107	0.05	-0.10	-0.88	0.0	3.71e-05	-2.82e-05
3588	108	4.26	-2.79	-1.16	0.0	1.17e-03	-4.56e-04
3588	129	-0.96	-7.68	-1.96	0.0	-2.20e-04	-3.16e-04
3588	140	4.79	-3.13	-1.19	0.0	1.31e-03	-5.10e-04

3588	161	-1.09	-8.65	-2.10	0.0	-2.52e-04	-3.54e-04
3588	172	4.59	-3.09	-1.19	0.0	1.26e-03	-5.13e-04
3588	193	-1.09	-8.65	-2.10	0.0	-2.51e-04	-3.63e-04
3588	204	5.27	-3.60	-1.25	0.0	1.45e-03	-5.99e-04
3588	225	-1.27	-10.16	-2.31	0.0	-2.95e-04	-4.30e-04
3589	18	0.27	0.88	-1.19	0.0	3.66e-05	-8.06e-05
3589	28	0.08	-0.86	-1.65	0.0	9.21e-05	-1.08e-05
3589	44	0.04	-1.26	-1.54	0.0	8.99e-05	4.10e-06
3589	75	0.19	0.58	-0.85	0.0	2.76e-05	-5.51e-05
3589	80	0.06	-0.58	-1.16	0.0	6.46e-05	-8.48e-06
3589	88	0.03	-0.85	-1.09	0.0	6.31e-05	1.45e-06
3589	98	0.07	-0.13	-0.93	0.0	4.82e-05	-1.73e-05
3589	103	0.09	0.02	-0.87	0.0	4.14e-05	-2.40e-05
3589	105	0.06	-0.27	-0.91	0.0	4.86e-05	-1.27e-05
3589	107	0.07	-0.13	-0.89	0.0	4.61e-05	-1.67e-05
3589	108	4.89	-2.92	-1.16	0.0	1.20e-03	-4.19e-04
3589	129	-1.07	-8.32	-1.98	0.0	-2.11e-04	-2.96e-04
3589	140	5.50	-3.27	-1.20	0.0	1.34e-03	-4.70e-04
3589	161	-1.22	-9.37	-2.11	0.0	-2.43e-04	-3.32e-04
3589	172	5.27	-3.22	-1.20	0.0	1.29e-03	-4.72e-04
3589	193	-1.22	-9.37	-2.11	0.0	-2.42e-04	-3.41e-04
3589	204	6.05	-3.75	-1.26	0.0	1.48e-03	-5.52e-04
3589	225	-1.42	-11.00	-2.33	0.0	-2.86e-04	-4.06e-04
3590	18	0.12	0.76	-0.74	0.0	1.58e-04	-6.05e-06
3590	28	0.04	-0.59	-1.02	0.0	1.01e-05	-1.94e-05
3590	44	0.02	-0.91	-0.95	0.0	-1.96e-05	-1.88e-05
3590	75	0.08	0.51	-0.53	0.0	1.07e-04	-4.86e-06
3590	80	0.03	-0.39	-0.72	0.0	8.11e-06	-1.38e-05
3590	88	0.01	-0.61	-0.67	0.0	-1.17e-05	-1.34e-05
3590	98	0.03	-0.05	-0.58	0.0	2.60e-05	-1.09e-05
3590	103	0.04	0.06	-0.54	0.0	4.05e-05	-9.17e-06
3590	105	0.03	-0.16	-0.56	0.0	1.68e-05	-1.09e-05
3590	107	0.03	-0.05	-0.55	0.0	2.46e-05	-1.05e-05
3590	113	3.22	-5.38	-1.02	0.0	1.19e-03	-3.46e-04
3590	125	-0.47	-6.35	-1.12	0.0	-1.57e-04	-2.48e-04
3590	129	-0.70	-6.40	-1.12	0.0	-2.46e-04	-2.47e-04
3590	145	3.62	-6.05	-1.08	0.0	1.33e-03	-3.88e-04
3590	157	-0.53	-7.15	-1.20	0.0	-1.79e-04	-2.79e-04
3590	161	-0.80	-7.20	-1.20	0.0	-2.80e-04	-2.78e-04
3590	177	3.48	-5.98	-1.07	0.0	1.28e-03	-3.88e-04
3590	193	-0.79	-7.22	-1.20	0.0	-2.79e-04	-2.85e-04
3590	209	4.01	-6.98	-1.16	0.0	1.48e-03	-4.55e-04
3590	225	-0.92	-8.49	-1.31	0.0	-3.25e-04	-3.40e-04
3591	18	0.20	0.80	-0.80	0.0	1.26e-04	-1.26e-05
3591	28	0.04	-0.68	-1.10	0.0	2.89e-05	-3.41e-05
3591	44	8.09e-03	-1.03	-1.02	0.0	6.20e-06	-3.33e-05
3591	75	0.14	0.53	-0.58	0.0	8.60e-05	-9.95e-06
3591	80	0.03	-0.46	-0.77	0.0	2.10e-05	-2.42e-05
3591	88	8.10e-03	-0.69	-0.72	0.0	5.87e-06	-2.37e-05
3591	98	0.05	-0.08	-0.62	0.0	3.04e-05	-1.91e-05
3591	103	0.06	0.05	-0.58	0.0	3.96e-05	-1.64e-05
3591	105	0.04	-0.20	-0.61	0.0	2.36e-05	-1.92e-05
3591	107	0.04	-0.08	-0.59	0.0	2.88e-05	-1.84e-05
3591	108	3.84	-2.66	-0.78	0.0	1.17e-03	-3.98e-04
3591	125	-0.55	-6.99	-1.20	0.0	-1.45e-04	-2.82e-04
3591	129	-0.83	-7.04	-1.20	0.0	-2.30e-04	-2.77e-04
3591	140	4.31	-2.99	-0.80	0.0	1.31e-03	-4.46e-04
3591	161	-0.94	-7.92	-1.28	0.0	-2.63e-04	-3.11e-04
3591	172	4.15	-2.96	-0.80	0.0	1.26e-03	-4.47e-04
3591	193	-0.94	-7.94	-1.28	0.0	-2.61e-04	-3.20e-04
3591	204	4.77	-3.45	-0.84	0.0	1.45e-03	-5.23e-04
3591	225	-1.09	-9.33	-1.40	0.0	-3.05e-04	-3.80e-04
3592	18	0.26	0.84	-0.85	0.0	7.93e-05	-1.20e-05
3592	28	0.06	-0.77	-1.16	0.0	5.39e-05	-3.57e-05
3592	44	0.02	-1.14	-1.07	0.0	4.14e-05	-3.51e-05
3592	75	0.18	0.55	-0.61	0.0	5.50e-05	-9.55e-06
3592	80	0.05	-0.52	-0.81	0.0	3.81e-05	-2.53e-05
3592	88	0.02	-0.77	-0.76	0.0	2.97e-05	-2.49e-05
3592	98	0.06	-0.11	-0.65	0.0	3.56e-05	-1.97e-05
3592	103	0.08	0.03	-0.61	0.0	3.74e-05	-1.68e-05
3592	105	0.05	-0.23	-0.64	0.0	3.23e-05	-1.98e-05
3592	107	0.06	-0.10	-0.62	0.0	3.39e-05	-1.90e-05
3592	108	4.44	-2.79	-0.81	0.0	1.15e-03	-4.20e-04
3592	129	-0.95	-7.68	-1.26	0.0	-2.14e-04	-2.92e-04
3592	140	4.99	-3.13	-0.83	0.0	1.29e-03	-4.71e-04

3592	161	-1.07	-8.65	-1.34	0.0	-2.45e-04	-3.28e-04
3592	172	4.80	-3.09	-0.84	0.0	1.24e-03	-4.72e-04
3592	193	-1.07	-8.65	-1.34	0.0	-2.43e-04	-3.37e-04
3592	204	5.52	-3.60	-0.88	0.0	1.43e-03	-5.53e-04
3592	225	-1.24	-10.16	-1.47	0.0	-2.85e-04	-4.01e-04
3593	18	0.29	0.88	-0.88	0.0	2.79e-05	-6.97e-06
3593	28	0.10	-0.86	-1.20	0.0	7.99e-05	-2.75e-05
3593	44	0.05	-1.26	-1.12	0.0	7.83e-05	-2.71e-05
3593	75	0.20	0.58	-0.64	0.0	2.11e-05	-5.75e-06
3593	80	0.07	-0.58	-0.85	0.0	5.58e-05	-1.94e-05
3593	88	0.04	-0.85	-0.79	0.0	5.47e-05	-1.92e-05
3593	98	0.08	-0.13	-0.68	0.0	4.08e-05	-1.47e-05
3593	103	0.10	0.02	-0.63	0.0	3.45e-05	-1.22e-05
3593	105	0.07	-0.27	-0.67	0.0	4.12e-05	-1.49e-05
3593	107	0.08	-0.13	-0.65	0.0	3.89e-05	-1.42e-05
3593	108	5.04	-2.92	-0.84	0.0	1.13e-03	-4.18e-04
3593	129	-1.05	-8.32	-1.31	0.0	-1.98e-04	-2.96e-04
3593	140	5.66	-3.27	-0.86	0.0	1.26e-03	-4.69e-04
3593	161	-1.20	-9.36	-1.39	0.0	-2.28e-04	-3.34e-04
3593	172	5.44	-3.22	-0.86	0.0	1.22e-03	-4.69e-04
3593	193	-1.19	-9.37	-1.39	0.0	-2.26e-04	-3.42e-04
3593	204	6.26	-3.74	-0.90	0.0	1.40e-03	-5.49e-04
3593	225	-1.39	-11.00	-1.52	0.0	-2.66e-04	-4.08e-04
3594	18	0.24	0.92	-1.43	0.0	3.45e-05	-1.41e-04
3594	28	0.15	-0.94	-2.03	0.0	1.22e-04	3.79e-05
3594	44	0.11	-1.36	-1.91	0.0	1.22e-04	6.76e-05
3594	75	0.17	0.60	-1.03	0.0	2.74e-05	-9.41e-05
3594	80	0.10	-0.64	-1.43	0.0	8.59e-05	2.54e-05
3594	88	0.08	-0.92	-1.35	0.0	8.60e-05	4.52e-05
3594	98	0.10	-0.16	-1.14	0.0	6.28e-05	-1.64e-06
3594	103	0.11	4.52e-03	-1.06	0.0	5.24e-05	-1.97e-05
3594	105	0.09	-0.30	-1.13	0.0	6.41e-05	8.12e-06
3594	107	0.09	-0.15	-1.09	0.0	6.02e-05	-1.39e-06
3594	113	5.44	-6.98	-2.21	0.0	1.30e-03	-3.74e-04
3594	129	-1.20	-8.93	-2.63	0.0	-2.22e-04	-2.82e-04
3594	145	6.11	-7.84	-2.35	0.0	1.45e-03	-4.21e-04
3594	161	-1.36	-10.04	-2.82	0.0	-2.58e-04	-3.19e-04
3594	177	5.84	-7.72	-2.34	0.0	1.40e-03	-4.18e-04
3594	193	-1.37	-10.04	-2.82	0.0	-2.58e-04	-3.24e-04
3594	209	6.69	-8.98	-2.55	0.0	1.60e-03	-4.89e-04
3594	225	-1.60	-11.78	-3.12	0.0	-3.07e-04	-3.87e-04
3595	4	0.25	0.43	-1.75	0.0	4.09e-05	-3.19e-05
3595	28	0.21	-1.02	-2.04	0.0	1.15e-04	3.77e-05
3595	44	0.18	-1.46	-1.92	0.0	1.20e-04	5.34e-05
3595	68	0.18	0.27	-1.25	0.0	3.06e-05	-2.00e-05
3595	80	0.15	-0.69	-1.44	0.0	7.97e-05	2.64e-05
3595	88	0.13	-0.99	-1.36	0.0	8.35e-05	3.69e-05
3595	98	0.13	-0.18	-1.15	0.0	5.27e-05	1.02e-05
3595	103	0.13	-8.38e-03	-1.07	0.0	3.94e-05	0.0
3595	105	0.12	-0.33	-1.13	0.0	5.57e-05	1.55e-05
3595	107	0.12	-0.17	-1.10	0.0	5.02e-05	1.02e-05
3595	113	6.05	-7.35	-2.22	0.0	1.18e-03	-3.75e-04
3595	129	-1.31	-9.51	-2.63	0.0	-2.09e-04	-3.10e-04
3595	145	6.79	-8.25	-2.36	0.0	1.33e-03	-4.24e-04
3595	161	-1.49	-10.69	-2.82	0.0	-2.42e-04	-3.51e-04
3595	177	6.50	-8.12	-2.35	0.0	1.28e-03	-4.13e-04
3595	193	-1.49	-10.69	-2.82	0.0	-2.41e-04	-3.50e-04
3595	209	7.44	-9.44	-2.56	0.0	1.46e-03	-4.81e-04
3595	225	-1.75	-12.53	-3.12	0.0	-2.87e-04	-4.17e-04
3596	28	0.26	-1.10	-2.06	4.83e-04	3.27e-05	-4.62e-06
3596	44	0.23	-1.56	-1.95	4.81e-04	0.0	-2.75e-06
3596	80	0.18	-0.75	-1.46	3.43e-04	2.21e-05	-3.40e-06
3596	88	0.16	-1.06	-1.38	3.42e-04	0.0	-2.15e-06
3596	98	0.15	-0.20	-1.16	2.67e-04	3.14e-05	-3.96e-06
3596	105	0.14	-0.36	-1.15	2.70e-04	2.20e-05	-3.41e-06
3596	107	0.14	-0.19	-1.11	2.58e-04	2.89e-05	-3.83e-06
3596	113	6.60	-7.70	-2.23	7.45e-04	7.18e-04	-4.30e-04
3596	129	-1.41	-10.07	-2.65	9.54e-04	-1.72e-04	-3.38e-04
3596	145	7.41	-8.65	-2.37	8.06e-04	8.04e-04	-4.83e-04
3596	161	-1.61	-11.32	-2.84	1.04e-03	-1.98e-04	-3.81e-04
3596	177	7.09	-8.50	-2.36	8.01e-04	7.66e-04	-4.77e-04
3596	193	-1.61	-11.31	-2.84	1.04e-03	-2.00e-04	-3.85e-04
3596	209	8.12	-9.87	-2.57	8.92e-04	8.74e-04	-5.56e-04
3596	225	-1.89	-13.26	-3.14	1.18e-03	-2.37e-04	-4.59e-04
3597	18	0.28	0.92	-1.20	0.0	-6.65e-06	-5.27e-05

3597	28	0.14	-0.94	-1.66	0.0	1.12e-04	4.23e-06
3597	44	0.09	-1.36	-1.56	0.0	1.19e-04	1.54e-05
3597	75	0.19	0.60	-0.86	0.0	-1.05e-06	-3.53e-05
3597	80	0.10	-0.64	-1.17	0.0	7.80e-05	2.60e-06
3597	88	0.07	-0.92	-1.10	0.0	8.24e-05	1.00e-05
3597	98	0.10	-0.16	-0.94	0.0	5.14e-05	-5.44e-06
3597	103	0.11	4.48e-03	-0.87	0.0	3.80e-05	-1.10e-05
3597	105	0.09	-0.30	-0.92	0.0	5.47e-05	-1.88e-06
3597	107	0.10	-0.15	-0.90	0.0	4.91e-05	-5.12e-06
3597	108	5.49	-3.03	-1.17	0.0	1.18e-03	-3.96e-04
3597	129	-1.18	-8.93	-1.99	0.0	-2.01e-04	-2.94e-04
3597	140	6.17	-3.40	-1.21	0.0	1.32e-03	-4.45e-04
3597	161	-1.34	-10.04	-2.13	0.0	-2.32e-04	-3.31e-04
3597	172	5.92	-3.34	-1.21	0.0	1.27e-03	-4.43e-04
3597	193	-1.34	-10.04	-2.13	0.0	-2.31e-04	-3.38e-04
3597	204	6.79	-3.88	-1.27	0.0	1.46e-03	-5.19e-04
3597	225	-1.56	-11.78	-2.34	0.0	-2.74e-04	-4.03e-04
3598	18	0.26	0.95	-1.22	0.0	-3.92e-05	-2.43e-05
3598	28	0.20	-1.02	-1.69	0.0	1.22e-04	9.17e-06
3598	44	0.16	-1.46	-1.58	0.0	1.35e-04	1.56e-05
3598	75	0.18	0.62	-0.88	0.0	-2.28e-05	-1.59e-05
3598	80	0.14	-0.69	-1.19	0.0	8.45e-05	6.44e-06
3598	88	0.11	-0.99	-1.12	0.0	9.32e-05	1.07e-05
3598	98	0.13	-0.18	-0.95	0.0	5.12e-05	1.21e-06
3598	103	0.13	-8.32e-03	-0.89	0.0	3.35e-05	-2.03e-06
3598	105	0.12	-0.33	-0.94	0.0	5.67e-05	3.29e-06
3598	107	0.12	-0.17	-0.91	0.0	4.89e-05	1.31e-06
3598	113	6.07	-7.35	-1.73	0.0	1.16e-03	-4.00e-04
3598	129	-1.27	-9.51	-2.01	0.0	-1.93e-04	-3.12e-04
3598	145	6.81	-8.25	-1.83	0.0	1.30e-03	-4.50e-04
3598	161	-1.45	-10.70	-2.15	0.0	-2.24e-04	-3.52e-04
3598	177	6.54	-8.12	-1.83	0.0	1.25e-03	-4.44e-04
3598	193	-1.45	-10.69	-2.15	0.0	-2.22e-04	-3.56e-04
3598	209	7.51	-9.44	-1.98	0.0	1.43e-03	-5.19e-04
3598	225	-1.69	-12.53	-2.36	0.0	-2.64e-04	-4.25e-04
3599	28	0.26	-1.10	-1.75	4.89e-04	2.93e-05	-4.01e-06
3599	44	0.23	-1.56	-1.63	4.82e-04	-1.05e-05	-2.47e-06
3599	80	0.18	-0.75	-1.23	3.47e-04	2.06e-05	-2.94e-06
3599	88	0.16	-1.06	-1.16	3.42e-04	-5.90e-06	-1.91e-06
3599	98	0.15	-0.20	-0.99	2.71e-04	3.75e-05	-3.33e-06
3599	105	0.15	-0.36	-0.97	2.73e-04	2.55e-05	-2.87e-06
3599	107	0.14	-0.19	-0.94	2.61e-04	3.50e-05	-3.22e-06
3599	113	6.64	-7.70	-1.76	7.17e-04	7.50e-04	-4.30e-04
3599	129	-1.37	-10.07	-2.05	9.10e-04	-1.80e-04	-3.38e-04
3599	145	7.45	-8.65	-1.87	7.75e-04	8.39e-04	-4.83e-04
3599	161	-1.56	-11.33	-2.19	9.92e-04	-2.08e-04	-3.81e-04
3599	177	7.15	-8.50	-1.86	7.69e-04	7.79e-04	-4.77e-04
3599	193	-1.56	-11.31	-2.19	9.90e-04	-2.09e-04	-3.85e-04
3599	209	8.21	-9.87	-2.02	8.55e-04	9.11e-04	-5.56e-04
3599	225	-1.82	-13.26	-2.40	1.12e-03	-2.49e-04	-4.59e-04
3600	18	0.29	0.92	-0.92	0.0	-1.50e-05	-2.27e-06
3600	28	0.15	-0.94	-1.25	0.0	1.01e-04	-1.67e-05
3600	44	0.10	-1.36	-1.16	0.0	1.08e-04	-1.64e-05
3600	75	0.20	0.60	-0.66	0.0	-7.15e-06	-2.09e-06
3600	80	0.10	-0.64	-0.88	0.0	7.01e-05	-1.17e-05
3600	88	0.07	-0.92	-0.82	0.0	7.51e-05	-1.15e-05
3600	98	0.11	-0.16	-0.71	0.0	4.47e-05	-8.64e-06
3600	103	0.12	4.62e-03	-0.66	0.0	3.18e-05	-6.82e-06
3600	105	0.09	-0.30	-0.69	0.0	4.82e-05	-8.71e-06
3600	107	0.10	-0.15	-0.68	0.0	4.27e-05	-8.27e-06
3600	108	5.59	-3.03	-0.87	0.0	1.11e-03	-4.13e-04
3600	129	-1.15	-8.93	-1.36	0.0	-1.87e-04	-3.04e-04
3600	140	6.28	-3.40	-0.89	0.0	1.24e-03	-4.64e-04
3600	161	-1.31	-10.04	-1.44	0.0	-2.16e-04	-3.42e-04
3600	172	6.05	-3.34	-0.89	0.0	1.20e-03	-4.63e-04
3600	193	-1.30	-10.04	-1.44	0.0	-2.14e-04	-3.50e-04
3600	204	6.95	-3.88	-0.93	0.0	1.38e-03	-5.42e-04
3600	225	-1.51	-11.78	-1.58	0.0	-2.52e-04	-4.17e-04
3601	18	0.27	0.95	-0.97	0.0	-4.43e-05	-1.20e-06
3601	28	0.20	-1.02	-1.31	0.0	1.15e-04	-8.08e-06
3601	44	0.16	-1.46	-1.21	0.0	1.29e-04	-7.39e-06
3601	75	0.19	0.62	-0.69	0.0	-2.65e-05	-1.04e-06
3601	80	0.14	-0.69	-0.92	0.0	8.00e-05	-5.63e-06
3601	88	0.12	-0.99	-0.86	0.0	8.92e-05	-5.17e-06
3601	98	0.13	-0.18	-0.74	0.0	4.75e-05	-4.28e-06

3601	103	0.13	-8.11e-03	-0.69	0.0	3.00e-05	-3.33e-06
3601	105	0.12	-0.33	-0.72	0.0	5.32e-05	-4.15e-06
3601	107	0.12	-0.17	-0.71	0.0	4.54e-05	-4.07e-06
3601	113	6.14	-7.35	-1.25	0.0	1.11e-03	-4.17e-04
3601	129	-1.24	-9.51	-1.41	0.0	-1.79e-04	-3.18e-04
3601	145	6.89	-8.25	-1.31	0.0	1.24e-03	-4.69e-04
3601	161	-1.41	-10.70	-1.49	0.0	-2.08e-04	-3.59e-04
3601	177	6.64	-8.12	-1.31	0.0	1.20e-03	-4.65e-04
3601	193	-1.40	-10.69	-1.49	0.0	-2.06e-04	-3.65e-04
3601	209	7.64	-9.44	-1.41	0.0	1.38e-03	-5.43e-04
3601	225	-1.64	-12.53	-1.63	0.0	-2.43e-04	-4.35e-04
3602	4	0.27	0.43	-1.26	3.57e-04	1.55e-04	-5.47e-06
3602	28	0.26	-1.10	-1.41	4.54e-04	2.62e-05	-3.78e-06
3602	44	0.23	-1.56	-1.31	4.45e-04	-1.29e-05	-2.38e-06
3602	68	0.19	0.27	-0.89	2.57e-04	1.04e-04	-3.89e-06
3602	80	0.19	-0.75	-0.99	3.22e-04	1.87e-05	-2.76e-06
3602	88	0.17	-1.06	-0.92	3.16e-04	-7.33e-06	-1.82e-06
3602	98	0.15	-0.20	-0.80	2.52e-04	3.64e-05	-3.08e-06
3602	105	0.15	-0.36	-0.78	2.53e-04	2.46e-05	-2.67e-06
3602	107	0.15	-0.19	-0.76	2.42e-04	3.41e-05	-2.98e-06
3602	113	6.69	-7.70	-1.31	6.40e-04	7.47e-04	-4.30e-04
3602	129	-1.33	-10.07	-1.48	8.03e-04	-1.75e-04	-3.38e-04
3602	145	7.51	-8.65	-1.38	6.90e-04	8.36e-04	-4.83e-04
3602	161	-1.51	-11.33	-1.57	8.74e-04	-2.02e-04	-3.82e-04
3602	177	7.23	-8.50	-1.38	6.85e-04	7.98e-04	-4.77e-04
3602	193	-1.51	-11.31	-1.57	8.72e-04	-2.03e-04	-3.85e-04
3602	209	8.32	-9.87	-1.48	7.60e-04	9.10e-04	-5.56e-04
3602	225	-1.76	-13.26	-1.71	9.82e-04	-2.41e-04	-4.59e-04
3603	18	0.11	0.76	-0.58	0.0	1.55e-04	1.82e-05
3603	28	0.04	-0.59	-0.77	0.0	3.15e-05	-1.10e-05
3603	44	0.02	-0.90	-0.71	0.0	3.79e-06	-1.44e-05
3603	75	0.08	0.51	-0.42	0.0	1.06e-04	1.19e-05
3603	80	0.03	-0.39	-0.54	0.0	2.32e-05	-7.63e-06
3603	88	0.02	-0.61	-0.50	0.0	4.66e-06	-9.87e-06
3603	98	0.03	-0.05	-0.44	0.0	3.58e-05	-3.25e-06
3603	103	0.04	0.06	-0.41	0.0	4.76e-05	0.0
3603	105	0.03	-0.16	-0.43	0.0	2.74e-05	-4.43e-06
3603	107	0.03	-0.05	-0.42	0.0	3.41e-05	-3.14e-06
3603	113	3.31	-5.38	-0.66	0.0	1.25e-03	-3.29e-04
3603	125	-0.45	-6.35	-0.71	0.0	-1.44e-04	-2.39e-04
3603	129	-0.68	-6.39	-0.71	0.0	-2.37e-04	-2.40e-04
3603	145	3.73	-6.05	-0.69	0.0	1.40e-03	-3.70e-04
3603	157	-0.51	-7.15	-0.75	0.0	-1.65e-04	-2.69e-04
3603	161	-0.77	-7.20	-0.75	0.0	-2.71e-04	-2.71e-04
3603	177	3.60	-5.98	-0.69	0.0	1.35e-03	-3.69e-04
3603	193	-0.77	-7.22	-0.75	0.0	-2.69e-04	-2.77e-04
3603	209	4.15	-6.98	-0.74	0.0	1.55e-03	-4.32e-04
3603	225	-0.89	-8.49	-0.81	0.0	-3.15e-04	-3.31e-04
3604	18	0.19	0.80	-0.63	0.0	1.23e-04	2.60e-05
3604	28	0.06	-0.68	-0.83	0.0	4.08e-05	-2.68e-05
3604	44	0.03	-1.03	-0.76	0.0	1.95e-05	-3.25e-05
3604	75	0.13	0.53	-0.45	0.0	8.41e-05	1.66e-05
3604	80	0.04	-0.46	-0.58	0.0	2.93e-05	-1.86e-05
3604	88	0.02	-0.69	-0.54	0.0	1.51e-05	-2.25e-05
3604	98	0.05	-0.08	-0.47	0.0	3.56e-05	-9.74e-06
3604	103	0.07	0.05	-0.44	0.0	4.32e-05	-4.02e-06
3604	105	0.04	-0.20	-0.46	0.0	2.93e-05	-1.18e-05
3604	107	0.05	-0.08	-0.45	0.0	3.39e-05	-9.39e-06
3604	108	3.96	-2.66	-0.55	0.0	1.21e-03	-3.68e-04
3604	125	-0.52	-6.99	-0.77	0.0	-1.37e-04	-2.65e-04
3604	129	-0.81	-7.04	-0.77	0.0	-2.26e-04	-2.64e-04
3604	140	4.45	-2.99	-0.56	0.0	1.35e-03	-4.13e-04
3604	157	-0.59	-7.86	-0.81	0.0	-1.58e-04	-2.98e-04
3604	161	-0.92	-7.92	-0.81	0.0	-2.58e-04	-2.97e-04
3604	172	4.30	-2.96	-0.57	0.0	1.31e-03	-4.13e-04
3604	193	-0.91	-7.93	-0.81	0.0	-2.56e-04	-3.05e-04
3604	204	4.96	-3.45	-0.59	0.0	1.50e-03	-4.84e-04
3604	225	-1.05	-9.33	-0.88	0.0	-3.00e-04	-3.64e-04
3605	18	0.25	0.84	-0.66	0.0	7.81e-05	3.07e-05
3605	28	0.08	-0.77	-0.87	0.0	5.61e-05	-3.33e-05
3605	44	0.04	-1.14	-0.80	0.0	4.38e-05	-4.02e-05
3605	75	0.17	0.55	-0.47	0.0	5.43e-05	1.96e-05
3605	80	0.06	-0.52	-0.62	0.0	3.96e-05	-2.31e-05
3605	88	0.03	-0.77	-0.57	0.0	3.14e-05	-2.78e-05
3605	98	0.07	-0.11	-0.50	0.0	3.65e-05	-1.21e-05

3605	103	0.09	0.03	-0.47	0.0	3.78e-05	-5.22e-06
3605	105	0.06	-0.23	-0.48	0.0	3.33e-05	-1.47e-05
3605	107	0.07	-0.10	-0.47	0.0	3.47e-05	-1.17e-05
3605	108	4.58	-2.79	-0.58	0.0	1.15e-03	-3.95e-04
3605	125	-0.60	-7.63	-0.82	0.0	-1.26e-04	-2.85e-04
3605	129	-0.92	-7.68	-0.82	0.0	-2.08e-04	-2.83e-04
3605	140	5.14	-3.13	-0.60	0.0	1.29e-03	-4.43e-04
3605	161	-1.05	-8.64	-0.87	0.0	-2.39e-04	-3.19e-04
3605	172	4.97	-3.09	-0.60	0.0	1.25e-03	-4.43e-04
3605	193	-1.04	-8.65	-0.87	0.0	-2.37e-04	-3.27e-04
3605	204	5.72	-3.60	-0.62	0.0	1.44e-03	-5.19e-04
3605	225	-1.20	-10.16	-0.94	0.0	-2.77e-04	-3.90e-04
3606	18	0.27	0.88	-0.70	0.0	3.12e-05	3.00e-05
3606	28	0.12	-0.86	-0.92	0.0	7.46e-05	-3.15e-05
3606	44	0.07	-1.26	-0.84	0.0	7.20e-05	-3.82e-05
3606	75	0.19	0.58	-0.50	0.0	2.31e-05	1.92e-05
3606	80	0.08	-0.58	-0.65	0.0	5.21e-05	-2.18e-05
3606	88	0.05	-0.85	-0.60	0.0	5.03e-05	-2.63e-05
3606	98	0.09	-0.13	-0.52	0.0	3.86e-05	-1.13e-05
3606	103	0.10	0.02	-0.49	0.0	3.32e-05	-4.65e-06
3606	105	0.08	-0.27	-0.51	0.0	3.86e-05	-1.37e-05
3606	107	0.09	-0.13	-0.50	0.0	3.67e-05	-1.09e-05
3606	108	5.16	-2.92	-0.61	0.0	1.10e-03	-4.10e-04
3606	125	-0.66	-8.26	-0.87	0.0	-1.16e-04	-2.98e-04
3606	129	-1.03	-8.32	-0.87	0.0	-1.91e-04	-2.97e-04
3606	140	5.80	-3.27	-0.63	0.0	1.24e-03	-4.61e-04
3606	161	-1.17	-9.36	-0.92	0.0	-2.20e-04	-3.35e-04
3606	172	5.60	-3.22	-0.63	0.0	1.20e-03	-4.60e-04
3606	193	-1.16	-9.37	-0.92	0.0	-2.17e-04	-3.43e-04
3606	204	6.46	-3.74	-0.65	0.0	1.38e-03	-5.38e-04
3606	225	-1.34	-10.99	-1.00	0.0	-2.55e-04	-4.09e-04
3607	18	0.10	0.76	-0.50	0.0	1.37e-04	2.43e-05
3607	28	0.05	-0.59	-0.64	0.0	4.64e-05	-8.19e-06
3607	44	0.03	-0.90	-0.57	0.0	2.28e-05	-1.25e-05
3607	75	0.07	0.51	-0.36	0.0	9.41e-05	1.62e-05
3607	80	0.03	-0.39	-0.45	0.0	3.35e-05	-5.53e-06
3607	88	0.02	-0.61	-0.41	0.0	1.77e-05	-8.42e-06
3607	98	0.03	-0.05	-0.36	0.0	4.04e-05	0.0
3607	103	0.04	0.06	-0.34	0.0	4.88e-05	2.58e-06
3607	105	0.03	-0.16	-0.35	0.0	3.35e-05	-2.33e-06
3607	107	0.03	-0.05	-0.35	0.0	3.85e-05	0.0
3607	113	3.40	-5.38	-0.47	0.0	1.27e-03	-3.24e-04
3607	129	-0.66	-6.39	-0.50	0.0	-2.28e-04	-2.40e-04
3607	133	2.27	-5.65	-0.50	0.0	8.49e-04	2.09e-05
3607	145	3.83	-6.05	-0.49	0.0	1.43e-03	-3.65e-04
3607	161	-0.75	-7.20	-0.52	0.0	-2.62e-04	-2.71e-04
3607	165	2.55	-6.34	-0.52	0.0	9.50e-04	2.42e-05
3607	177	3.71	-5.98	-0.49	0.0	1.38e-03	-3.63e-04
3607	193	-0.74	-7.22	-0.52	0.0	-2.59e-04	-2.76e-04
3607	209	4.29	-6.98	-0.52	0.0	1.59e-03	-4.25e-04
3607	225	-0.85	-8.49	-0.55	0.0	-3.03e-04	-3.31e-04
3608	18	0.17	0.80	-0.54	0.0	1.12e-04	4.00e-05
3608	28	0.07	-0.68	-0.68	0.0	5.18e-05	-2.02e-05
3608	44	0.04	-1.03	-0.62	0.0	3.31e-05	-2.80e-05
3608	75	0.12	0.53	-0.38	0.0	7.71e-05	2.63e-05
3608	80	0.05	-0.46	-0.48	0.0	3.70e-05	-1.38e-05
3608	88	0.03	-0.69	-0.44	0.0	2.45e-05	-1.90e-05
3608	98	0.06	-0.08	-0.39	0.0	3.93e-05	-4.37e-06
3608	103	0.06	0.05	-0.37	0.0	4.45e-05	1.99e-06
3608	105	0.05	-0.20	-0.38	0.0	3.40e-05	-7.08e-06
3608	107	0.05	-0.08	-0.37	0.0	3.75e-05	-4.21e-06
3608	108	4.06	-2.66	-0.43	0.0	1.23e-03	-3.55e-04
3608	129	-0.78	-7.04	-0.54	0.0	-2.18e-04	-2.62e-04
3608	133	2.72	-6.15	-0.55	0.0	8.21e-04	1.79e-05
3608	140	4.56	-2.99	-0.44	0.0	1.38e-03	-3.99e-04
3608	161	-0.89	-7.92	-0.57	0.0	-2.50e-04	-2.96e-04
3608	165	3.05	-6.91	-0.57	0.0	9.19e-04	2.12e-05
3608	172	4.43	-2.96	-0.44	0.0	1.33e-03	-3.97e-04
3608	193	-0.87	-7.93	-0.57	0.0	-2.47e-04	-3.02e-04
3608	209	5.11	-7.49	-0.56	0.0	1.53e-03	-4.65e-04
3608	225	-1.01	-9.32	-0.60	0.0	-2.89e-04	-3.61e-04
3609	18	0.22	0.84	-0.57	0.0	7.62e-05	4.73e-05
3609	28	0.10	-0.77	-0.72	0.0	6.08e-05	-2.74e-05
3609	44	0.06	-1.14	-0.65	0.0	4.92e-05	-3.70e-05
3609	75	0.15	0.55	-0.41	0.0	5.31e-05	3.10e-05

3609	80	0.07	-0.52	-0.51	0.0	4.29e-05	-1.88e-05
3609	88	0.05	-0.77	-0.46	0.0	3.51e-05	-2.52e-05
3609	98	0.08	-0.11	-0.41	0.0	3.85e-05	-6.80e-06
3609	103	0.09	0.03	-0.39	0.0	3.91e-05	1.10e-06
3609	105	0.07	-0.23	-0.40	0.0	3.55e-05	-1.01e-05
3609	107	0.07	-0.10	-0.39	0.0	3.66e-05	-6.55e-06
3609	108	4.69	-2.79	-0.46	0.0	1.16e-03	-3.81e-04
3609	129	-0.89	-7.68	-0.58	0.0	-2.02e-04	-2.82e-04
3609	133	3.14	-6.66	-0.58	0.0	7.84e-04	1.66e-05
3609	140	5.27	-3.13	-0.46	0.0	1.31e-03	-4.29e-04
3609	161	-1.01	-8.64	-0.61	0.0	-2.32e-04	-3.18e-04
3609	165	3.52	-7.47	-0.61	0.0	8.77e-04	2.01e-05
3609	172	5.11	-3.09	-0.46	0.0	1.26e-03	-4.27e-04
3609	193	-1.00	-8.65	-0.61	0.0	-2.29e-04	-3.25e-04
3609	204	5.90	-3.60	-0.48	0.0	1.45e-03	-5.00e-04
3609	225	-1.15	-10.16	-0.64	0.0	-2.69e-04	-3.88e-04
3610	18	0.25	0.88	-0.60	0.0	3.85e-05	4.48e-05
3610	28	0.13	-0.86	-0.76	0.0	7.25e-05	-2.85e-05
3610	44	0.10	-1.26	-0.69	0.0	6.85e-05	-3.77e-05
3610	75	0.17	0.58	-0.43	0.0	2.80e-05	2.93e-05
3610	80	0.10	-0.58	-0.53	0.0	5.07e-05	-1.96e-05
3610	88	0.07	-0.85	-0.49	0.0	4.80e-05	-2.57e-05
3610	98	0.10	-0.13	-0.43	0.0	3.87e-05	-7.70e-06
3610	103	0.11	0.02	-0.41	0.0	3.42e-05	0.0
3610	105	0.08	-0.27	-0.42	0.0	3.82e-05	-1.09e-05
3610	107	0.09	-0.13	-0.41	0.0	3.68e-05	-7.42e-06
3610	108	5.28	-2.91	-0.48	0.0	1.10e-03	-4.02e-04
3610	129	-0.99	-8.32	-0.62	0.0	-1.85e-04	-2.99e-04
3610	133	3.54	-7.16	-0.62	0.0	7.48e-04	1.79e-05
3610	140	5.93	-3.27	-0.49	0.0	1.23e-03	-4.52e-04
3610	161	-1.13	-9.36	-0.64	0.0	-2.13e-04	-3.37e-04
3610	165	3.96	-8.03	-0.65	0.0	8.37e-04	2.17e-05
3610	172	5.75	-3.22	-0.49	0.0	1.19e-03	-4.50e-04
3610	193	-1.11	-9.37	-0.64	0.0	-2.10e-04	-3.44e-04
3610	204	6.64	-3.74	-0.51	0.0	1.38e-03	-5.26e-04
3610	225	-1.29	-10.99	-0.69	0.0	-2.46e-04	-4.11e-04
3611	18	0.08	0.76	-0.46	0.0	1.17e-04	2.35e-05
3611	28	0.05	-0.59	-0.56	0.0	5.66e-05	-6.27e-06
3611	44	0.04	-0.90	-0.50	0.0	3.72e-05	-1.04e-05
3611	75	0.06	0.51	-0.32	0.0	8.07e-05	1.57e-05
3611	80	0.04	-0.39	-0.39	0.0	4.03e-05	-4.16e-06
3611	88	0.03	-0.61	-0.35	0.0	2.74e-05	-6.90e-06
3611	98	0.03	-0.05	-0.32	0.0	4.23e-05	0.0
3611	103	0.04	0.06	-0.30	0.0	4.75e-05	3.18e-06
3611	105	0.03	-0.16	-0.31	0.0	3.69e-05	-1.34e-06
3611	107	0.03	-0.05	-0.31	0.0	4.04e-05	0.0
3611	113	3.50	-5.38	-0.38	0.0	1.28e-03	-3.23e-04
3611	129	-0.64	-6.39	-0.38	0.0	-2.19e-04	-2.41e-04
3611	133	2.31	-5.65	-0.39	0.0	8.55e-04	2.31e-05
3611	145	3.93	-6.05	-0.38	0.0	1.44e-03	-3.64e-04
3611	161	-0.72	-7.20	-0.39	0.0	-2.51e-04	-2.73e-04
3611	165	2.59	-6.34	-0.40	0.0	9.56e-04	2.65e-05
3611	177	3.83	-5.98	-0.38	0.0	1.39e-03	-3.62e-04
3611	193	-0.71	-7.22	-0.39	0.0	-2.47e-04	-2.78e-04
3611	197	2.53	-6.21	-0.40	0.0	9.27e-04	2.89e-05
3611	209	4.44	-6.98	-0.40	0.0	1.60e-03	-4.24e-04
3611	225	-0.81	-8.49	-0.40	0.0	-2.90e-04	-3.33e-04
3611	233	2.63	-7.35	-0.41	0.0	9.43e-04	2.40e-05
3612	18	0.14	0.80	-0.49	0.0	9.90e-05	4.02e-05
3612	28	0.08	-0.68	-0.60	0.0	6.01e-05	-1.48e-05
3612	44	0.06	-1.03	-0.53	0.0	4.42e-05	-2.25e-05
3612	75	0.10	0.53	-0.35	0.0	6.86e-05	2.67e-05
3612	80	0.06	-0.46	-0.42	0.0	4.26e-05	-9.99e-06
3612	88	0.04	-0.69	-0.38	0.0	3.20e-05	-1.51e-05
3612	98	0.06	-0.08	-0.34	0.0	4.14e-05	-1.68e-06
3612	103	0.06	0.05	-0.32	0.0	4.44e-05	4.09e-06
3612	105	0.05	-0.20	-0.33	0.0	3.71e-05	-4.26e-06
3612	107	0.05	-0.08	-0.33	0.0	3.95e-05	-1.61e-06
3612	113	4.16	-5.79	-0.41	0.0	1.24e-03	-3.51e-04
3612	129	-0.75	-7.03	-0.41	0.0	-2.09e-04	-2.64e-04
3612	133	2.75	-6.15	-0.42	0.0	8.26e-04	2.31e-05
3612	145	4.67	-6.51	-0.42	0.0	1.39e-03	-3.95e-04
3612	161	-0.85	-7.92	-0.42	0.0	-2.40e-04	-2.98e-04
3612	165	3.09	-6.91	-0.43	0.0	9.24e-04	2.67e-05
3612	177	4.55	-6.43	-0.42	0.0	1.34e-03	-3.92e-04

3612	193	-0.83	-7.93	-0.42	0.0	-2.36e-04	-3.03e-04
3612	197	3.01	-6.76	-0.43	0.0	8.97e-04	2.92e-05
3612	209	5.27	-7.49	-0.43	0.0	1.55e-03	-4.59e-04
3612	225	-0.96	-9.32	-0.44	0.0	-2.77e-04	-3.63e-04
3612	233	3.12	-7.99	-0.45	0.0	9.15e-04	2.42e-05
3613	18	0.19	0.84	-0.52	0.0	7.35e-05	4.81e-05
3613	28	0.11	-0.77	-0.63	0.0	6.53e-05	-2.07e-05
3613	44	0.08	-1.14	-0.56	0.0	5.44e-05	-3.02e-05
3613	75	0.13	0.55	-0.37	0.0	5.14e-05	3.18e-05
3613	80	0.08	-0.52	-0.44	0.0	4.60e-05	-1.41e-05
3613	88	0.06	-0.77	-0.40	0.0	3.87e-05	-2.04e-05
3613	98	0.08	-0.11	-0.36	0.0	4.02e-05	-3.40e-06
3613	103	0.08	0.03	-0.34	0.0	4.01e-05	3.83e-06
3613	105	0.07	-0.23	-0.35	0.0	3.75e-05	-6.61e-06
3613	107	0.07	-0.10	-0.35	0.0	3.83e-05	-3.27e-06
3613	113	4.79	-6.20	-0.43	0.0	1.17e-03	-3.77e-04
3613	129	-0.86	-7.68	-0.44	0.0	-1.95e-04	-2.84e-04
3613	133	3.17	-6.66	-0.45	0.0	7.87e-04	2.32e-05
3613	145	5.38	-6.96	-0.44	0.0	1.31e-03	-4.24e-04
3613	161	-0.98	-8.64	-0.45	0.0	-2.24e-04	-3.21e-04
3613	165	3.56	-7.47	-0.46	0.0	8.80e-04	2.71e-05
3613	177	5.24	-6.87	-0.44	0.0	1.27e-03	-4.21e-04
3613	193	-0.96	-8.65	-0.45	0.0	-2.21e-04	-3.27e-04
3613	197	3.47	-7.30	-0.46	0.0	8.54e-04	2.96e-05
3613	209	6.06	-8.00	-0.46	0.0	1.47e-03	-4.92e-04
3613	225	-1.10	-10.16	-0.47	0.0	-2.58e-04	-3.90e-04
3613	233	3.59	-8.64	-0.48	0.0	8.76e-04	2.45e-05
3614	18	0.22	0.88	-0.55	0.0	4.62e-05	4.58e-05
3614	28	0.15	-0.86	-0.67	0.0	7.19e-05	-2.25e-05
3614	44	0.11	-1.26	-0.60	0.0	6.64e-05	-3.17e-05
3614	75	0.15	0.58	-0.39	0.0	3.32e-05	3.02e-05
3614	80	0.11	-0.58	-0.47	0.0	5.03e-05	-1.54e-05
3614	88	0.08	-0.85	-0.42	0.0	4.67e-05	-2.15e-05
3614	98	0.10	-0.13	-0.38	0.0	3.95e-05	-4.62e-06
3614	103	0.10	0.02	-0.36	0.0	3.59e-05	2.57e-06
3614	105	0.09	-0.27	-0.37	0.0	3.86e-05	-7.76e-06
3614	107	0.09	-0.13	-0.37	0.0	3.76e-05	-4.45e-06
3614	113	5.38	-6.60	-0.46	0.0	1.10e-03	-3.98e-04
3614	129	-0.96	-8.32	-0.47	0.0	-1.79e-04	-3.02e-04
3614	133	3.57	-7.16	-0.48	0.0	7.44e-04	2.45e-05
3614	145	6.05	-7.42	-0.47	0.0	1.23e-03	-4.47e-04
3614	161	-1.09	-9.36	-0.48	0.0	-2.07e-04	-3.41e-04
3614	165	4.01	-8.03	-0.49	0.0	8.32e-04	2.87e-05
3614	177	5.88	-7.31	-0.47	0.0	1.20e-03	-4.44e-04
3614	193	-1.07	-9.37	-0.48	0.0	-2.03e-04	-3.47e-04
3614	197	3.90	-7.85	-0.49	0.0	8.09e-04	3.13e-05
3614	209	6.81	-8.50	-0.49	0.0	1.38e-03	-5.19e-04
3614	225	-1.23	-10.99	-0.50	0.0	-2.38e-04	-4.14e-04
3614	233	4.04	-9.28	-0.51	0.0	8.36e-04	2.57e-05
3615	18	0.07	0.76	-0.44	0.0	9.91e-05	1.96e-05
3615	28	0.05	-0.59	-0.52	0.0	6.39e-05	-4.62e-06
3615	44	0.04	-0.91	-0.45	0.0	4.83e-05	-7.92e-06
3615	75	0.05	0.50	-0.31	0.0	6.88e-05	1.31e-05
3615	80	0.04	-0.39	-0.36	0.0	4.53e-05	-3.03e-06
3615	88	0.03	-0.61	-0.32	0.0	3.49e-05	-5.24e-06
3615	98	0.03	-0.05	-0.30	0.0	4.33e-05	0.0
3615	103	0.04	0.06	-0.28	0.0	4.59e-05	2.88e-06
3615	105	0.03	-0.16	-0.29	0.0	3.91e-05	0.0
3615	107	0.03	-0.05	-0.29	0.0	4.13e-05	0.0
3615	113	3.59	-5.38	-0.33	0.0	1.29e-03	-3.24e-04
3615	129	-0.61	-6.39	-0.31	0.0	-2.08e-04	-2.44e-04
3615	145	4.04	-6.05	-0.33	0.0	1.44e-03	-3.65e-04
3615	161	-0.69	-7.20	-0.31	0.0	-2.39e-04	-2.76e-04
3615	177	3.96	-5.98	-0.33	0.0	1.40e-03	-3.63e-04
3615	193	-0.67	-7.21	-0.31	0.0	-2.35e-04	-2.81e-04
3615	209	4.60	-6.98	-0.34	0.0	1.61e-03	-4.25e-04
3615	225	-0.77	-8.49	-0.32	0.0	-2.75e-04	-3.36e-04
3616	18	0.12	0.80	-0.47	0.0	8.72e-05	3.41e-05
3616	28	0.09	-0.68	-0.55	0.0	6.60e-05	-1.05e-05
3616	44	0.07	-1.03	-0.49	0.0	5.26e-05	-1.68e-05
3616	75	0.09	0.53	-0.33	0.0	6.08e-05	2.27e-05
3616	80	0.06	-0.46	-0.39	0.0	4.66e-05	-7.00e-06
3616	88	0.05	-0.69	-0.34	0.0	3.77e-05	-1.12e-05
3616	98	0.06	-0.08	-0.32	0.0	4.26e-05	0.0
3616	103	0.06	0.05	-0.30	0.0	4.37e-05	4.24e-06

3616	105	0.05	-0.20	-0.31	0.0	3.91e-05	-2.54e-06
3616	107	0.05	-0.08	-0.31	0.0	4.06e-05	0.0
3616	113	4.26	-5.79	-0.35	0.0	1.24e-03	-3.52e-04
3616	129	-0.72	-7.03	-0.33	0.0	-1.99e-04	-2.67e-04
3616	145	4.79	-6.51	-0.36	0.0	1.39e-03	-3.97e-04
3616	161	-0.82	-7.92	-0.34	0.0	-2.30e-04	-3.02e-04
3616	177	4.68	-6.43	-0.36	0.0	1.35e-03	-3.93e-04
3616	193	-0.79	-7.93	-0.34	0.0	-2.25e-04	-3.07e-04
3616	209	5.43	-7.49	-0.36	0.0	1.56e-03	-4.60e-04
3616	225	-0.91	-9.32	-0.34	0.0	-2.64e-04	-3.67e-04
3617	18	0.17	0.84	-0.50	0.0	7.05e-05	4.13e-05
3617	28	0.12	-0.77	-0.58	0.0	6.86e-05	-1.46e-05
3617	44	0.10	-1.14	-0.51	0.0	5.85e-05	-2.25e-05
3617	75	0.12	0.55	-0.35	0.0	4.96e-05	2.74e-05
3617	80	0.09	-0.52	-0.41	0.0	4.83e-05	-9.82e-06
3617	88	0.07	-0.77	-0.36	0.0	4.15e-05	-1.51e-05
3617	98	0.08	-0.11	-0.34	0.0	4.14e-05	-1.37e-06
3617	103	0.08	0.03	-0.32	0.0	4.06e-05	4.47e-06
3617	105	0.07	-0.23	-0.32	0.0	3.90e-05	-4.04e-06
3617	107	0.08	-0.10	-0.32	0.0	3.95e-05	-1.32e-06
3617	113	4.89	-6.20	-0.37	0.0	1.17e-03	-3.77e-04
3617	129	-0.82	-7.68	-0.35	0.0	-1.87e-04	-2.88e-04
3617	145	5.50	-6.96	-0.38	0.0	1.32e-03	-4.25e-04
3617	161	-0.93	-8.64	-0.36	0.0	-2.15e-04	-3.26e-04
3617	177	5.37	-6.87	-0.38	0.0	1.28e-03	-4.20e-04
3617	193	-0.91	-8.65	-0.36	0.0	-2.11e-04	-3.31e-04
3617	209	6.23	-8.00	-0.39	0.0	1.48e-03	-4.91e-04
3617	225	-1.04	-10.16	-0.36	0.0	-2.47e-04	-3.95e-04
3618	4	0.20	0.42	-0.60	0.0	6.43e-05	2.19e-05
3618	28	0.16	-0.86	-0.62	0.0	7.18e-05	-1.61e-05
3618	44	0.13	-1.25	-0.54	0.0	6.51e-05	-2.39e-05
3618	68	0.14	0.27	-0.42	0.0	4.54e-05	1.44e-05
3618	80	0.11	-0.58	-0.43	0.0	5.03e-05	-1.09e-05
3618	88	0.09	-0.84	-0.38	0.0	4.59e-05	-1.61e-05
3618	98	0.10	-0.13	-0.36	0.0	4.04e-05	-2.38e-06
3618	103	0.10	0.02	-0.34	0.0	3.74e-05	3.46e-06
3618	105	0.09	-0.27	-0.34	0.0	3.91e-05	-5.00e-06
3618	107	0.10	-0.13	-0.34	0.0	3.85e-05	-2.29e-06
3618	113	5.48	-6.60	-0.39	0.0	1.10e-03	-3.97e-04
3618	129	-0.92	-8.32	-0.37	0.0	-1.73e-04	-3.06e-04
3618	145	6.16	-7.42	-0.40	0.0	1.23e-03	-4.47e-04
3618	161	-1.04	-9.36	-0.38	0.0	-1.99e-04	-3.46e-04
3618	177	6.02	-7.31	-0.40	0.0	1.20e-03	-4.42e-04
3618	193	-1.02	-9.37	-0.38	0.0	-1.95e-04	-3.51e-04
3618	209	6.97	-8.50	-0.41	0.0	1.38e-03	-5.16e-04
3618	225	-1.17	-10.99	-0.38	0.0	-2.28e-04	-4.19e-04
3619	4	0.07	0.41	-0.51	0.0	8.62e-05	8.54e-06
3619	44	0.05	-0.91	-0.44	0.0	5.64e-05	-5.94e-06
3619	68	0.05	0.27	-0.36	0.0	6.02e-05	5.73e-06
3619	88	0.03	-0.61	-0.31	0.0	4.03e-05	-3.93e-06
3619	98	0.03	-0.05	-0.30	0.0	4.37e-05	0.0
3619	103	0.03	0.06	-0.28	0.0	4.43e-05	2.01e-06
3619	105	0.03	-0.16	-0.28	0.0	4.05e-05	0.0
3619	107	0.03	-0.05	-0.28	0.0	4.17e-05	0.0
3619	108	3.70	-2.54	-0.33	0.0	1.29e-03	-3.29e-04
3619	113	3.70	-5.38	-0.31	0.0	1.29e-03	-3.29e-04
3619	129	-0.58	-6.39	-0.26	0.0	-1.97e-04	-2.47e-04
3619	140	4.16	-2.85	-0.33	0.0	1.44e-03	-3.70e-04
3619	145	4.17	-6.05	-0.32	0.0	1.44e-03	-3.70e-04
3619	161	-0.66	-7.20	-0.26	0.0	-2.27e-04	-2.80e-04
3619	172	4.09	-2.83	-0.33	0.0	1.40e-03	-3.68e-04
3619	177	4.09	-5.99	-0.32	0.0	1.41e-03	-3.67e-04
3619	193	-0.64	-7.21	-0.26	0.0	-2.22e-04	-2.85e-04
3619	204	4.76	-3.31	-0.34	0.0	1.62e-03	-4.31e-04
3619	209	4.76	-6.98	-0.32	0.0	1.62e-03	-4.30e-04
3619	225	-0.72	-8.49	-0.25	0.0	-2.59e-04	-3.41e-04
3620	4	0.11	0.41	-0.55	0.0	8.13e-05	1.57e-05
3620	44	0.08	-1.03	-0.47	0.0	5.85e-05	-1.17e-05
3620	68	0.08	0.27	-0.38	0.0	5.69e-05	1.05e-05
3620	88	0.05	-0.69	-0.33	0.0	4.17e-05	-7.76e-06
3620	98	0.06	-0.08	-0.32	0.0	4.30e-05	0.0
3620	103	0.06	0.05	-0.30	0.0	4.28e-05	3.65e-06
3620	105	0.05	-0.20	-0.30	0.0	4.03e-05	-1.38e-06
3620	107	0.05	-0.08	-0.30	0.0	4.10e-05	0.0
3620	108	4.36	-2.66	-0.35	0.0	1.24e-03	-3.57e-04

3620	113	4.37	-5.79	-0.34	0.0	1.24e-03	-3.58e-04
3620	129	-0.69	-7.03	-0.28	0.0	-1.89e-04	-2.72e-04
3620	140	4.90	-2.99	-0.36	0.0	1.39e-03	-4.02e-04
3620	145	4.91	-6.51	-0.34	0.0	1.39e-03	-4.03e-04
3620	161	-0.78	-7.92	-0.27	0.0	-2.18e-04	-3.08e-04
3620	172	4.81	-2.96	-0.35	0.0	1.35e-03	-3.99e-04
3620	177	4.82	-6.43	-0.34	0.0	1.36e-03	-3.99e-04
3620	193	-0.75	-7.93	-0.27	0.0	-2.13e-04	-3.13e-04
3620	204	5.59	-3.45	-0.36	0.0	1.56e-03	-4.67e-04
3620	209	5.60	-7.49	-0.34	0.0	1.56e-03	-4.67e-04
3620	225	-0.86	-9.32	-0.27	0.0	-2.49e-04	-3.74e-04
3621	4	0.15	0.42	-0.57	0.0	7.48e-05	1.90e-05
3621	44	0.11	-1.14	-0.50	0.0	6.13e-05	-1.54e-05
3621	68	0.11	0.27	-0.40	0.0	5.25e-05	1.27e-05
3621	88	0.08	-0.77	-0.35	0.0	4.35e-05	-1.03e-05
3621	98	0.08	-0.11	-0.33	0.0	4.21e-05	0.0
3621	105	0.07	-0.23	-0.32	0.0	3.99e-05	-2.17e-06
3621	107	0.08	-0.10	-0.32	0.0	4.02e-05	0.0
3621	108	4.99	-2.79	-0.37	0.0	1.17e-03	-3.80e-04
3621	113	5.00	-6.20	-0.36	0.0	1.17e-03	-3.81e-04
3621	129	-0.78	-7.68	-0.29	0.0	-1.78e-04	-2.93e-04
3621	140	5.61	-3.13	-0.38	0.0	1.31e-03	-4.28e-04
3621	145	5.62	-6.96	-0.36	0.0	1.32e-03	-4.29e-04
3621	161	-0.89	-8.64	-0.29	0.0	-2.06e-04	-3.32e-04
3621	172	5.50	-3.09	-0.37	0.0	1.28e-03	-4.23e-04
3621	177	5.51	-6.87	-0.36	0.0	1.28e-03	-4.25e-04
3621	193	-0.86	-8.65	-0.29	0.0	-2.01e-04	-3.37e-04
3621	204	6.39	-3.60	-0.38	0.0	1.48e-03	-4.95e-04
3621	209	6.40	-8.00	-0.36	0.0	1.48e-03	-4.96e-04
3621	225	-0.99	-10.16	-0.28	0.0	-2.35e-04	-4.02e-04
3622	4	0.19	0.42	-0.60	0.0	6.79e-05	1.77e-05
3622	44	0.14	-1.25	-0.52	0.0	6.43e-05	-1.64e-05
3622	68	0.13	0.27	-0.42	0.0	4.78e-05	1.17e-05
3622	88	0.10	-0.84	-0.37	0.0	4.54e-05	-1.10e-05
3622	98	0.10	-0.13	-0.35	0.0	4.12e-05	0.0
3622	105	0.09	-0.27	-0.33	0.0	3.96e-05	-2.90e-06
3622	107	0.10	-0.13	-0.33	0.0	3.92e-05	0.0
3622	108	5.58	-2.91	-0.39	0.0	1.09e-03	-3.97e-04
3622	113	5.59	-6.60	-0.37	0.0	1.09e-03	-3.99e-04
3622	129	-0.88	-8.32	-0.30	0.0	-1.66e-04	-3.11e-04
3622	140	6.27	-3.27	-0.40	0.0	1.23e-03	-4.47e-04
3622	145	6.28	-7.42	-0.38	0.0	1.23e-03	-4.49e-04
3622	161	-0.99	-9.36	-0.30	0.0	-1.92e-04	-3.51e-04
3622	172	6.15	-3.22	-0.39	0.0	1.20e-03	-4.42e-04
3622	177	6.15	-7.31	-0.38	0.0	1.20e-03	-4.43e-04
3622	193	-0.96	-9.37	-0.30	0.0	-1.87e-04	-3.55e-04
3622	204	7.14	-3.74	-0.40	0.0	1.38e-03	-5.16e-04
3622	209	7.15	-8.50	-0.38	0.0	1.38e-03	-5.17e-04
3622	225	-1.11	-10.99	-0.30	0.0	-2.19e-04	-4.24e-04
3623	4	0.06	0.41	-0.56	0.0	7.84e-05	5.35e-06
3623	44	0.05	-0.91	-0.46	0.0	6.05e-05	-4.57e-06
3623	68	0.04	0.27	-0.39	0.0	5.50e-05	3.57e-06
3623	88	0.03	-0.61	-0.33	0.0	4.31e-05	-3.04e-06
3623	98	0.03	-0.05	-0.32	0.0	4.29e-05	0.0
3623	105	0.03	-0.16	-0.30	0.0	4.05e-05	0.0
3623	107	0.03	-0.05	-0.30	0.0	4.10e-05	0.0
3623	113	3.82	-5.38	-0.35	0.0	1.29e-03	-3.39e-04
3623	124	2.42	3.84	-0.41	0.0	8.42e-04	2.25e-05
3623	129	-0.56	-6.39	-0.23	0.0	-1.86e-04	-2.54e-04
3623	145	4.30	-6.05	-0.36	0.0	1.45e-03	-3.82e-04
3623	156	2.72	4.33	-0.42	0.0	9.42e-04	2.59e-05
3623	161	-0.63	-7.20	-0.22	0.0	-2.14e-04	-2.87e-04
3623	177	4.24	-5.99	-0.36	0.0	1.41e-03	-3.80e-04
3623	188	2.68	4.32	-0.42	0.0	9.18e-04	2.83e-05
3623	193	-0.60	-7.21	-0.22	0.0	-2.08e-04	-2.93e-04
3623	209	4.95	-6.99	-0.36	0.0	1.63e-03	-4.45e-04
3623	220	3.12	5.07	-0.44	0.0	1.06e-03	3.58e-05
3623	225	-0.68	-8.49	-0.21	0.0	-2.43e-04	-3.51e-04
3624	4	0.10	0.41	-0.59	0.0	7.64e-05	1.16e-05
3624	44	0.08	-1.03	-0.49	0.0	6.17e-05	-7.41e-06
3624	68	0.07	0.27	-0.42	0.0	5.36e-05	7.77e-06
3624	88	0.06	-0.69	-0.35	0.0	4.38e-05	-4.90e-06
3624	98	0.06	-0.08	-0.34	0.0	4.27e-05	0.0
3624	105	0.05	-0.20	-0.32	0.0	4.05e-05	0.0
3624	107	0.05	-0.08	-0.32	0.0	4.07e-05	0.0

3624	113	4.49	-5.79	-0.38	0.0	1.24e-03	-3.66e-04
3624	124	2.85	4.27	-0.43	0.0	8.12e-04	2.89e-05
3624	129	-0.65	-7.03	-0.25	0.0	-1.79e-04	-2.79e-04
3624	145	5.05	-6.51	-0.38	0.0	1.39e-03	-4.13e-04
3624	156	3.21	4.82	-0.45	0.0	9.09e-04	3.30e-05
3624	161	-0.74	-7.92	-0.24	0.0	-2.06e-04	-3.15e-04
3624	177	4.97	-6.43	-0.38	0.0	1.36e-03	-4.09e-04
3624	188	3.15	4.81	-0.45	0.0	8.86e-04	3.57e-05
3624	193	-0.71	-7.93	-0.24	0.0	-2.00e-04	-3.21e-04
3624	209	5.79	-7.49	-0.39	0.0	1.57e-03	-4.79e-04
3624	220	3.66	5.64	-0.47	0.0	1.02e-03	4.46e-05
3624	225	-0.81	-9.32	-0.22	0.0	-2.34e-04	-3.84e-04
3625	4	0.14	0.42	-0.62	0.0	7.38e-05	1.42e-05
3625	44	0.11	-1.14	-0.52	0.0	6.30e-05	-9.59e-06
3625	68	0.10	0.27	-0.44	0.0	5.19e-05	9.46e-06
3625	88	0.08	-0.77	-0.37	0.0	4.47e-05	-6.37e-06
3625	98	0.08	-0.11	-0.36	0.0	4.24e-05	0.0
3625	105	0.07	-0.23	-0.34	0.0	4.04e-05	0.0
3625	107	0.08	-0.10	-0.34	0.0	4.05e-05	0.0
3625	113	5.12	-6.20	-0.40	0.0	1.17e-03	-3.87e-04
3625	124	3.27	4.70	-0.46	0.0	7.70e-04	3.45e-05
3625	129	-0.75	-7.68	-0.26	0.0	-1.69e-04	-2.99e-04
3625	145	5.75	-6.96	-0.40	0.0	1.31e-03	-4.36e-04
3625	156	3.67	5.31	-0.47	0.0	8.61e-04	3.93e-05
3625	161	-0.85	-8.64	-0.25	0.0	-1.95e-04	-3.38e-04
3625	177	5.66	-6.87	-0.40	0.0	1.28e-03	-4.31e-04
3625	188	3.60	5.29	-0.47	0.0	8.40e-04	4.20e-05
3625	193	-0.82	-8.65	-0.25	0.0	-1.90e-04	-3.43e-04
3625	209	6.59	-8.00	-0.41	0.0	1.48e-03	-5.04e-04
3625	220	4.18	6.21	-0.49	0.0	9.67e-04	5.22e-05
3625	225	-0.93	-10.16	-0.24	0.0	-2.22e-04	-4.10e-04
3626	4	0.18	0.42	-0.65	0.0	7.07e-05	1.31e-05
3626	44	0.15	-1.25	-0.55	0.0	6.41e-05	-1.03e-05
3626	68	0.13	0.27	-0.46	0.0	4.97e-05	8.69e-06
3626	88	0.10	-0.84	-0.39	0.0	4.53e-05	-6.92e-06
3626	98	0.10	-0.13	-0.38	0.0	4.19e-05	0.0
3626	105	0.10	-0.27	-0.35	0.0	4.01e-05	-1.42e-06
3626	107	0.10	-0.13	-0.36	0.0	4.00e-05	0.0
3626	113	5.70	-6.60	-0.42	0.0	1.08e-03	-4.01e-04
3626	124	3.66	5.13	-0.48	0.0	7.23e-04	3.87e-05
3626	129	-0.83	-8.32	-0.28	0.0	-1.59e-04	-3.15e-04
3626	145	6.41	-7.42	-0.42	0.0	1.22e-03	-4.52e-04
3626	156	4.10	5.80	-0.49	0.0	8.08e-04	4.41e-05
3626	161	-0.95	-9.36	-0.27	0.0	-1.83e-04	-3.56e-04
3626	177	6.30	-7.31	-0.42	0.0	1.19e-03	-4.46e-04
3626	188	4.03	5.78	-0.49	0.0	7.89e-04	4.68e-05
3626	193	-0.91	-9.37	-0.27	0.0	-1.78e-04	-3.60e-04
3626	209	7.33	-8.50	-0.43	0.0	1.37e-03	-5.21e-04
3626	220	4.67	6.79	-0.51	0.0	9.08e-04	5.79e-05
3626	225	-1.04	-10.99	-0.25	0.0	-2.08e-04	-4.30e-04
3627	4	0.06	0.41	-0.67	0.0	7.03e-05	5.71e-06
3627	44	0.05	-0.91	-0.53	0.0	6.07e-05	-1.76e-06
3627	68	0.04	0.27	-0.47	0.0	4.95e-05	3.86e-06
3627	88	0.04	-0.61	-0.38	0.0	4.31e-05	-1.12e-06
3627	98	0.03	-0.05	-0.38	0.0	4.05e-05	0.0
3627	105	0.03	-0.16	-0.35	0.0	3.87e-05	0.0
3627	107	0.03	-0.05	-0.36	0.0	3.87e-05	0.0
3627	113	3.97	-5.38	-0.45	0.0	1.30e-03	-3.51e-04
3627	124	2.48	3.83	-0.58	0.0	8.34e-04	2.30e-05
3627	129	-0.53	-6.39	-0.20	0.0	-1.75e-04	-2.61e-04
3627	145	4.46	-6.05	-0.46	0.0	1.46e-03	-3.96e-04
3627	156	2.79	4.33	-0.61	0.0	9.33e-04	2.63e-05
3627	161	-0.60	-7.19	-0.18	0.0	-2.01e-04	-2.95e-04
3627	177	4.42	-5.99	-0.45	0.0	1.43e-03	-3.94e-04
3627	188	2.76	4.32	-0.60	0.0	9.12e-04	2.89e-05
3627	193	-0.57	-7.21	-0.18	0.0	-1.95e-04	-3.02e-04
3627	209	5.16	-6.99	-0.47	0.0	1.65e-03	-4.62e-04
3627	220	3.21	5.06	-0.64	0.0	1.05e-03	3.65e-05
3627	225	-0.65	-8.48	-0.15	0.0	-2.26e-04	-3.62e-04
3628	4	0.10	0.41	-0.71	0.0	7.24e-05	8.20e-06
3628	44	0.08	-1.03	-0.58	0.0	6.29e-05	-4.30e-06
3628	68	0.07	0.27	-0.50	0.0	5.09e-05	5.50e-06
3628	88	0.06	-0.69	-0.41	0.0	4.46e-05	-2.83e-06
3628	98	0.06	-0.08	-0.40	0.0	4.19e-05	0.0
3628	105	0.05	-0.20	-0.38	0.0	4.01e-05	0.0

3628	107	0.05	-0.08	-0.38	0.0	4.00e-05	0.0
3628	113	4.63	-5.79	-0.48	0.0	1.24e-03	-3.78e-04
3628	124	2.91	4.27	-0.60	0.0	7.99e-04	2.89e-05
3628	129	-0.62	-7.03	-0.23	0.0	-1.67e-04	-2.86e-04
3628	145	5.21	-6.51	-0.49	0.0	1.39e-03	-4.25e-04
3628	156	3.27	4.81	-0.62	0.0	8.94e-04	3.31e-05
3628	161	-0.70	-7.92	-0.21	0.0	-1.93e-04	-3.24e-04
3628	177	5.14	-6.43	-0.48	0.0	1.36e-03	-4.23e-04
3628	188	3.22	4.80	-0.62	0.0	8.74e-04	3.59e-05
3628	193	-0.67	-7.93	-0.21	0.0	-1.87e-04	-3.30e-04
3628	209	6.00	-7.49	-0.50	0.0	1.57e-03	-4.95e-04
3628	220	3.75	5.64	-0.66	0.0	1.01e-03	4.50e-05
3628	225	-0.76	-9.32	-0.18	0.0	-2.18e-04	-3.96e-04
3629	4	0.14	0.42	-0.75	0.0	7.32e-05	9.78e-06
3629	44	0.12	-1.14	-0.61	0.0	6.40e-05	-5.45e-06
3629	68	0.10	0.27	-0.52	0.0	5.15e-05	6.54e-06
3629	88	0.08	-0.77	-0.43	0.0	4.53e-05	-3.61e-06
3629	98	0.08	-0.11	-0.42	0.0	4.26e-05	0.0
3629	105	0.07	-0.23	-0.40	0.0	4.07e-05	0.0
3629	107	0.07	-0.10	-0.40	0.0	4.06e-05	0.0
3629	113	5.25	-6.19	-0.50	0.0	1.15e-03	-3.92e-04
3629	124	3.31	4.70	-0.61	0.0	7.56e-04	3.55e-05
3629	129	-0.71	-7.68	-0.26	0.0	-1.59e-04	-3.04e-04
3629	145	5.90	-6.96	-0.51	0.0	1.29e-03	-4.41e-04
3629	156	3.72	5.30	-0.64	0.0	8.46e-04	4.04e-05
3629	161	-0.80	-8.64	-0.24	0.0	-1.84e-04	-3.44e-04
3629	177	5.83	-6.87	-0.51	0.0	1.27e-03	-4.37e-04
3629	188	3.66	5.29	-0.63	0.0	8.26e-04	4.33e-05
3629	193	-0.77	-8.65	-0.24	0.0	-1.78e-04	-3.49e-04
3629	209	6.79	-8.00	-0.52	0.0	1.46e-03	-5.11e-04
3629	220	4.26	6.21	-0.67	0.0	9.53e-04	5.37e-05
3629	225	-0.87	-10.16	-0.21	0.0	-2.08e-04	-4.18e-04
3630	4	0.17	0.42	-0.77	0.0	7.30e-05	9.12e-06
3630	44	0.15	-1.25	-0.63	0.0	6.42e-05	-5.74e-06
3630	68	0.12	0.27	-0.54	0.0	5.13e-05	6.08e-06
3630	88	0.11	-0.84	-0.45	0.0	4.55e-05	-3.83e-06
3630	98	0.10	-0.13	-0.44	0.0	4.27e-05	0.0
3630	105	0.10	-0.27	-0.41	0.0	4.07e-05	0.0
3630	107	0.10	-0.13	-0.42	0.0	4.07e-05	0.0
3630	113	5.83	-6.60	-0.52	0.0	1.07e-03	-4.04e-04
3630	124	3.69	5.13	-0.62	0.0	7.11e-04	4.03e-05
3630	129	-0.79	-8.32	-0.28	0.0	-1.51e-04	-3.19e-04
3630	145	6.55	-7.42	-0.53	0.0	1.20e-03	-4.55e-04
3630	156	4.15	5.80	-0.65	0.0	7.95e-04	4.59e-05
3630	161	-0.90	-9.36	-0.26	0.0	-1.75e-04	-3.60e-04
3630	177	6.46	-7.31	-0.52	0.0	1.17e-03	-4.49e-04
3630	188	4.08	5.78	-0.64	0.0	7.77e-04	4.86e-05
3630	193	-0.86	-9.36	-0.26	0.0	-1.69e-04	-3.65e-04
3630	209	7.52	-8.50	-0.54	0.0	1.36e-03	-5.24e-04
3630	220	4.74	6.79	-0.68	0.0	8.95e-04	6.01e-05
3630	225	-0.98	-10.99	-0.23	0.0	-1.98e-04	-4.36e-04
3631	18	0.28	0.92	-0.74	0.0	-6.66e-06	2.34e-05
3631	28	0.16	-0.94	-0.97	0.0	9.14e-05	-2.45e-05
3631	44	0.12	-1.36	-0.89	0.0	9.68e-05	-2.95e-05
3631	75	0.19	0.60	-0.53	0.0	-1.86e-06	1.49e-05
3631	80	0.11	-0.64	-0.68	0.0	6.35e-05	-1.70e-05
3631	88	0.08	-0.92	-0.63	0.0	6.71e-05	-2.03e-05
3631	98	0.11	-0.16	-0.55	0.0	4.13e-05	-8.84e-06
3631	103	0.12	4.93e-03	-0.51	0.0	3.03e-05	-3.62e-06
3631	105	0.10	-0.30	-0.53	0.0	4.41e-05	-1.07e-05
3631	107	0.11	-0.15	-0.52	0.0	3.94e-05	-8.50e-06
3631	108	5.70	-3.03	-0.64	0.0	1.07e-03	-4.18e-04
3631	125	-0.71	-8.86	-0.92	0.0	-1.07e-04	-3.08e-04
3631	129	-1.12	-8.93	-0.92	0.0	-1.78e-04	-3.09e-04
3631	140	6.40	-3.40	-0.66	0.0	1.20e-03	-4.70e-04
3631	161	-1.27	-10.04	-0.97	0.0	-2.05e-04	-3.49e-04
3631	172	6.19	-3.34	-0.66	0.0	1.16e-03	-4.68e-04
3631	193	-1.26	-10.04	-0.97	0.0	-2.02e-04	-3.56e-04
3631	204	7.13	-3.88	-0.68	0.0	1.34e-03	-5.47e-04
3631	225	-1.46	-11.78	-1.05	0.0	-2.38e-04	-4.25e-04
3632	4	0.27	0.43	-0.94	0.0	1.60e-05	2.37e-06
3632	28	0.21	-1.02	-1.03	0.0	1.04e-04	-1.50e-05
3632	44	0.17	-1.46	-0.95	0.0	1.15e-04	-1.73e-05
3632	68	0.18	0.28	-0.66	0.0	1.35e-05	1.15e-06
3632	80	0.15	-0.69	-0.73	0.0	7.22e-05	-1.04e-05

3632	88	0.12	-0.99	-0.67	0.0	7.95e-05	-1.19e-05
3632	98	0.13	-0.18	-0.59	0.0	4.39e-05	-5.93e-06
3632	103	0.13	-7.79e-03	-0.55	0.0	2.89e-05	-2.95e-06
3632	105	0.12	-0.33	-0.57	0.0	4.85e-05	-6.80e-06
3632	107	0.13	-0.17	-0.56	0.0	4.19e-05	-5.70e-06
3632	113	6.22	-7.35	-0.89	0.0	1.06e-03	-4.23e-04
3632	125	-0.77	-9.44	-0.97	0.0	-1.02e-04	-3.20e-04
3632	129	-1.20	-9.51	-0.97	0.0	-1.69e-04	-3.23e-04
3632	145	6.99	-8.25	-0.93	0.0	1.18e-03	-4.76e-04
3632	161	-1.37	-10.70	-1.03	0.0	-1.96e-04	-3.65e-04
3632	177	6.76	-8.12	-0.93	0.0	1.15e-03	-4.72e-04
3632	193	-1.36	-10.69	-1.03	0.0	-1.93e-04	-3.70e-04
3632	209	7.79	-9.44	-0.99	0.0	1.32e-03	-5.51e-04
3632	225	-1.58	-12.54	-1.11	0.0	-2.27e-04	-4.42e-04
3633	4	0.27	0.43	-1.05	2.99e-04	1.37e-04	-4.75e-06
3633	28	0.27	-1.10	-1.15	3.82e-04	2.68e-05	-3.95e-06
3633	44	0.24	-1.56	-1.05	3.74e-04	-7.27e-06	-2.77e-06
3633	68	0.19	0.27	-0.74	2.15e-04	9.24e-05	-3.37e-06
3633	80	0.19	-0.75	-0.81	2.70e-04	1.90e-05	-2.84e-06
3633	88	0.17	-1.06	-0.75	2.65e-04	-3.69e-06	-2.06e-06
3633	98	0.15	-0.20	-0.65	2.11e-04	3.35e-05	-2.91e-06
3633	105	0.15	-0.36	-0.64	2.12e-04	2.32e-05	-2.57e-06
3633	107	0.15	-0.19	-0.62	2.03e-04	3.14e-05	-2.80e-06
3633	113	6.75	-7.70	-0.96	5.26e-04	7.31e-04	-4.29e-04
3633	129	-1.29	-10.07	-1.06	6.54e-04	-1.63e-04	-3.39e-04
3633	145	7.57	-8.65	-1.01	5.66e-04	8.19e-04	-4.83e-04
3633	161	-1.47	-11.33	-1.11	7.11e-04	-1.88e-04	-3.82e-04
3633	177	7.32	-8.50	-1.01	5.63e-04	7.83e-04	-4.76e-04
3633	193	-1.45	-11.31	-1.11	7.10e-04	-1.88e-04	-3.86e-04
3633	209	8.44	-9.87	-1.07	6.23e-04	8.95e-04	-5.55e-04
3633	225	-1.69	-13.26	-1.20	7.99e-04	-2.24e-04	-4.60e-04
3634	18	0.26	0.92	-0.63	0.0	8.02e-06	3.40e-05
3634	28	0.17	-0.94	-0.80	0.0	8.39e-05	-2.41e-05
3634	44	0.13	-1.36	-0.73	0.0	8.61e-05	-3.11e-05
3634	75	0.18	0.60	-0.45	0.0	7.81e-06	2.21e-05
3634	80	0.12	-0.64	-0.56	0.0	5.84e-05	-1.66e-05
3634	88	0.10	-0.92	-0.51	0.0	5.99e-05	-2.13e-05
3634	98	0.12	-0.16	-0.46	0.0	3.98e-05	-7.16e-06
3634	103	0.12	5.22e-03	-0.43	0.0	3.10e-05	0.0
3634	105	0.10	-0.30	-0.44	0.0	4.15e-05	-9.63e-06
3634	107	0.11	-0.15	-0.44	0.0	3.79e-05	-6.89e-06
3634	108	5.81	-3.03	-0.51	0.0	1.05e-03	-4.15e-04
3634	129	-1.08	-8.93	-0.66	0.0	-1.71e-04	-3.13e-04
3634	133	3.90	-7.63	-0.66	0.0	7.22e-04	2.23e-05
3634	140	6.52	-3.40	-0.52	0.0	1.18e-03	-4.67e-04
3634	161	-1.23	-10.04	-0.68	0.0	-1.97e-04	-3.53e-04
3634	165	4.37	-8.56	-0.68	0.0	8.07e-04	2.66e-05
3634	172	6.33	-3.34	-0.52	0.0	1.14e-03	-4.64e-04
3634	193	-1.21	-10.04	-0.68	0.0	-1.94e-04	-3.59e-04
3634	209	7.30	-8.98	-0.67	0.0	1.32e-03	-5.42e-04
3634	225	-1.41	-11.78	-0.73	0.0	-2.28e-04	-4.29e-04
3635	4	0.26	0.43	-0.80	0.0	2.55e-05	6.20e-06
3635	28	0.22	-1.02	-0.86	0.0	9.27e-05	-1.57e-05
3635	44	0.18	-1.46	-0.78	0.0	9.94e-05	-1.92e-05
3635	68	0.18	0.28	-0.57	0.0	1.96e-05	3.72e-06
3635	80	0.15	-0.69	-0.61	0.0	6.44e-05	-1.09e-05
3635	88	0.13	-0.99	-0.55	0.0	6.88e-05	-1.32e-05
3635	98	0.14	-0.18	-0.49	0.0	4.11e-05	-5.50e-06
3635	103	0.14	-7.40e-03	-0.46	0.0	2.93e-05	-1.89e-06
3635	105	0.13	-0.33	-0.48	0.0	4.43e-05	-6.76e-06
3635	107	0.13	-0.17	-0.47	0.0	3.92e-05	-5.30e-06
3635	113	6.32	-7.35	-0.66	0.0	1.02e-03	-4.23e-04
3635	129	-1.16	-9.51	-0.70	0.0	-1.60e-04	-3.26e-04
3635	133	4.25	-8.09	-0.70	0.0	7.04e-04	3.03e-05
3635	145	7.09	-8.26	-0.68	0.0	1.14e-03	-4.76e-04
3635	161	-1.33	-10.70	-0.73	0.0	-1.85e-04	-3.68e-04
3635	165	4.77	-9.07	-0.73	0.0	7.87e-04	3.55e-05
3635	177	6.88	-8.12	-0.68	0.0	1.11e-03	-4.71e-04
3635	193	-1.31	-10.69	-0.73	0.0	-1.82e-04	-3.73e-04
3635	209	7.94	-9.44	-0.72	0.0	1.28e-03	-5.50e-04
3635	225	-1.52	-12.54	-0.78	0.0	-2.14e-04	-4.45e-04
3636	4	0.27	0.43	-0.91	2.31e-04	1.16e-04	-4.34e-06
3636	28	0.27	-1.10	-0.97	2.99e-04	3.08e-05	-4.07e-06
3636	44	0.24	-1.56	-0.88	2.95e-04	3.04e-06	-3.01e-06
3636	68	0.19	0.27	-0.64	1.67e-04	7.86e-05	-3.09e-06

3636	80	0.19	-0.74	-0.68	2.12e-04	2.17e-05	-2.90e-06
3636	88	0.17	-1.06	-0.62	2.09e-04	3.14e-06	-2.20e-06
3636	98	0.16	-0.20	-0.56	1.65e-04	3.13e-05	-2.82e-06
3636	105	0.15	-0.36	-0.54	1.66e-04	2.30e-05	-2.53e-06
3636	107	0.15	-0.19	-0.53	1.59e-04	2.94e-05	-2.71e-06
3636	113	6.81	-7.70	-0.73	4.05e-04	7.16e-04	-4.29e-04
3636	129	-1.24	-10.07	-0.77	5.05e-04	-1.49e-04	-3.39e-04
3636	133	4.60	-8.53	-0.78	4.79e-04	4.70e-04	4.15e-05
3636	145	7.65	-8.65	-0.76	4.36e-04	8.02e-04	-4.82e-04
3636	161	-1.42	-11.33	-0.80	5.49e-04	-1.72e-04	-3.83e-04
3636	165	5.15	-9.56	-0.81	5.19e-04	5.24e-04	4.76e-05
3636	177	7.42	-8.50	-0.76	4.33e-04	7.69e-04	-4.76e-04
3636	193	-1.39	-11.31	-0.80	5.48e-04	-1.72e-04	-3.86e-04
3636	209	8.57	-9.87	-0.79	4.79e-04	8.81e-04	-5.54e-04
3636	225	-1.62	-13.26	-0.85	6.16e-04	-2.04e-04	-4.60e-04
3637	4	0.24	0.43	-0.67	0.0	1.72e-05	1.72e-05
3637	28	0.19	-0.94	-0.70	0.0	7.84e-05	-1.99e-05
3637	44	0.15	-1.36	-0.63	0.0	7.74e-05	-2.69e-05
3637	68	0.17	0.28	-0.47	0.0	3.33e-05	1.11e-05
3637	80	0.13	-0.64	-0.49	0.0	5.47e-05	-1.36e-05
3637	88	0.11	-0.92	-0.44	0.0	5.40e-05	-1.83e-05
3637	98	0.12	-0.15	-0.41	0.0	3.94e-05	-4.93e-06
3637	103	0.12	5.49e-03	-0.38	0.0	3.29e-05	0.0
3637	105	0.11	-0.30	-0.39	0.0	4.00e-05	-7.36e-06
3637	107	0.11	-0.15	-0.39	0.0	3.76e-05	-4.75e-06
3637	113	5.91	-6.99	-0.49	0.0	1.04e-03	-4.12e-04
3637	129	-1.04	-8.93	-0.49	0.0	-1.65e-04	-3.16e-04
3637	133	3.93	-7.63	-0.50	0.0	7.09e-04	2.77e-05
3637	145	6.64	-7.85	-0.50	0.0	1.17e-03	-4.64e-04
3637	161	-1.19	-10.04	-0.51	0.0	-1.91e-04	-3.57e-04
3637	165	4.41	-8.56	-0.52	0.0	7.92e-04	3.24e-05
3637	177	6.46	-7.72	-0.50	0.0	1.13e-03	-4.59e-04
3637	193	-1.16	-10.04	-0.51	0.0	-1.87e-04	-3.62e-04
3637	197	4.30	-8.37	-0.52	0.0	7.71e-04	3.51e-05
3637	209	7.47	-8.98	-0.52	0.0	1.31e-03	-5.36e-04
3637	225	-1.34	-11.78	-0.53	0.0	-2.19e-04	-4.32e-04
3637	233	4.45	-9.89	-0.54	0.0	8.02e-04	2.88e-05
3638	4	0.26	0.43	-0.72	0.0	3.72e-05	7.49e-06
3638	28	0.23	-1.02	-0.76	0.0	8.34e-05	-1.36e-05
3638	44	0.19	-1.46	-0.68	0.0	8.56e-05	-1.71e-05
3638	68	0.18	0.28	-0.51	0.0	2.73e-05	4.67e-06
3638	80	0.16	-0.69	-0.53	0.0	5.81e-05	-9.36e-06
3638	88	0.14	-0.99	-0.48	0.0	5.95e-05	-1.17e-05
3638	98	0.14	-0.18	-0.44	0.0	3.97e-05	-4.33e-06
3638	105	0.13	-0.33	-0.42	0.0	4.13e-05	-5.58e-06
3638	107	0.13	-0.17	-0.42	0.0	3.78e-05	-4.17e-06
3638	113	6.41	-7.35	-0.52	0.0	9.97e-04	-4.22e-04
3638	129	-1.12	-9.52	-0.53	0.0	-1.55e-04	-3.29e-04
3638	133	4.28	-8.09	-0.54	0.0	6.83e-04	3.37e-05
3638	145	7.20	-8.26	-0.54	0.0	1.12e-03	-4.74e-04
3638	161	-1.28	-10.70	-0.54	0.0	-1.79e-04	-3.71e-04
3638	165	4.80	-9.08	-0.56	0.0	7.64e-04	3.90e-05
3638	177	7.01	-8.13	-0.54	0.0	1.09e-03	-4.69e-04
3638	193	-1.25	-10.70	-0.54	0.0	-1.75e-04	-3.76e-04
3638	197	4.67	-8.87	-0.55	0.0	7.44e-04	4.18e-05
3638	209	8.10	-9.44	-0.56	0.0	1.25e-03	-5.47e-04
3638	225	-1.45	-12.54	-0.57	0.0	-2.06e-04	-4.48e-04
3638	233	4.84	-10.47	-0.58	0.0	7.78e-04	3.47e-05
3639	4	0.27	0.43	-0.82	1.73e-04	9.78e-05	-4.56e-06
3639	28	0.27	-1.10	-0.86	2.30e-04	3.75e-05	-4.09e-06
3639	44	0.24	-1.56	-0.77	2.29e-04	1.56e-05	-2.99e-06
3639	68	0.19	0.27	-0.58	1.25e-04	6.63e-05	-3.25e-06
3639	80	0.19	-0.74	-0.61	1.63e-04	2.61e-05	-2.93e-06
3639	88	0.17	-1.06	-0.55	1.62e-04	1.16e-05	-2.19e-06
3639	98	0.16	-0.20	-0.50	1.26e-04	3.05e-05	-2.90e-06
3639	105	0.15	-0.36	-0.48	1.27e-04	2.42e-05	-2.59e-06
3639	107	0.15	-0.19	-0.47	1.21e-04	2.86e-05	-2.78e-06
3639	113	6.90	-7.70	-0.59	3.06e-04	6.99e-04	-4.29e-04
3639	129	-1.20	-10.07	-0.59	3.87e-04	-1.33e-04	-3.39e-04
3639	133	4.61	-8.53	-0.60	3.63e-04	4.60e-04	4.14e-05
3639	145	7.74	-8.65	-0.60	3.29e-04	7.83e-04	-4.82e-04
3639	161	-1.36	-11.33	-0.61	4.21e-04	-1.54e-04	-3.83e-04
3639	165	5.17	-9.56	-0.62	3.93e-04	5.13e-04	4.76e-05
3639	177	7.54	-8.50	-0.60	3.27e-04	7.54e-04	-4.76e-04
3639	193	-1.34	-11.31	-0.61	4.20e-04	-1.53e-04	-3.86e-04

3639	197	5.03	-9.34	-0.62	3.88e-04	4.94e-04	5.04e-05
3639	209	8.71	-9.87	-0.62	3.61e-04	8.65e-04	-5.54e-04
3639	225	-1.55	-13.26	-0.63	4.72e-04	-1.81e-04	-4.60e-04
3639	233	5.22	-11.02	-0.64	4.35e-04	4.91e-04	4.29e-05
3640	4	0.23	0.43	-0.64	0.0	5.49e-05	1.59e-05
3640	28	0.20	-0.94	-0.65	0.0	7.48e-05	-1.47e-05
3640	44	0.16	-1.36	-0.57	0.0	7.10e-05	-2.06e-05
3640	68	0.16	0.28	-0.45	0.0	3.90e-05	1.04e-05
3640	80	0.14	-0.64	-0.46	0.0	5.23e-05	-1.00e-05
3640	88	0.12	-0.92	-0.41	0.0	4.98e-05	-1.40e-05
3640	98	0.12	-0.15	-0.38	0.0	3.97e-05	-3.03e-06
3640	105	0.11	-0.30	-0.36	0.0	3.94e-05	-5.06e-06
3640	107	0.11	-0.15	-0.36	0.0	3.78e-05	-2.92e-06
3640	113	6.01	-6.99	-0.42	0.0	1.03e-03	-4.10e-04
3640	129	-1.00	-8.93	-0.39	0.0	-1.61e-04	-3.20e-04
3640	145	6.75	-7.85	-0.43	0.0	1.16e-03	-4.62e-04
3640	161	-1.14	-10.05	-0.40	0.0	-1.85e-04	-3.61e-04
3640	177	6.59	-7.73	-0.42	0.0	1.13e-03	-4.56e-04
3640	193	-1.11	-10.04	-0.40	0.0	-1.81e-04	-3.66e-04
3640	209	7.64	-8.98	-0.44	0.0	1.30e-03	-5.32e-04
3640	225	-1.28	-11.78	-0.41	0.0	-2.12e-04	-4.36e-04
3641	4	0.25	0.43	-0.69	0.0	4.85e-05	6.99e-06
3641	28	0.23	-1.02	-0.70	0.0	7.71e-05	-1.06e-05
3641	44	0.20	-1.46	-0.62	0.0	7.53e-05	-1.35e-05
3641	68	0.18	0.28	-0.48	0.0	3.48e-05	4.43e-06
3641	80	0.16	-0.69	-0.49	0.0	5.38e-05	-7.28e-06
3641	88	0.14	-0.99	-0.44	0.0	5.26e-05	-9.25e-06
3641	98	0.14	-0.18	-0.41	0.0	3.94e-05	-3.16e-06
3641	105	0.13	-0.33	-0.39	0.0	3.97e-05	-4.21e-06
3641	107	0.13	-0.17	-0.39	0.0	3.75e-05	-3.04e-06
3641	113	6.51	-7.36	-0.45	0.0	9.89e-04	-4.20e-04
3641	129	-1.08	-9.52	-0.42	0.0	-1.52e-04	-3.31e-04
3641	145	7.31	-8.26	-0.46	0.0	1.11e-03	-4.72e-04
3641	161	-1.23	-10.71	-0.43	0.0	-1.76e-04	-3.74e-04
3641	177	7.14	-8.13	-0.46	0.0	1.08e-03	-4.66e-04
3641	193	-1.20	-10.70	-0.43	0.0	-1.71e-04	-3.78e-04
3641	209	8.26	-9.44	-0.47	0.0	1.25e-03	-5.43e-04
3641	225	-1.38	-12.55	-0.44	0.0	-2.01e-04	-4.50e-04
3642	4	0.28	0.43	-0.78	1.39e-04	8.43e-05	-4.01e-06
3642	28	0.27	-1.10	-0.80	1.89e-04	4.50e-05	-4.29e-06
3642	44	0.24	-1.56	-0.70	1.89e-04	2.79e-05	-3.39e-06
3642	68	0.19	0.28	-0.55	1.01e-04	5.74e-05	-2.87e-06
3642	80	0.19	-0.74	-0.56	1.34e-04	3.12e-05	-3.06e-06
3642	88	0.17	-1.06	-0.50	1.34e-04	1.98e-05	-2.46e-06
3642	98	0.16	-0.20	-0.46	1.02e-04	3.10e-05	-2.84e-06
3642	105	0.15	-0.36	-0.44	1.04e-04	2.62e-05	-2.60e-06
3642	107	0.15	-0.19	-0.44	9.85e-05	2.92e-05	-2.72e-06
3642	113	6.99	-7.70	-0.51	2.45e-04	6.83e-04	-4.27e-04
3642	129	-1.15	-10.07	-0.48	3.18e-04	-1.17e-04	-3.41e-04
3642	145	7.85	-8.65	-0.51	2.64e-04	7.64e-04	-4.81e-04
3642	161	-1.31	-11.33	-0.48	3.45e-04	-1.35e-04	-3.85e-04
3642	177	7.66	-8.50	-0.51	2.61e-04	7.38e-04	-4.73e-04
3642	193	-1.28	-11.31	-0.48	3.44e-04	-1.34e-04	-3.88e-04
3642	209	8.87	-9.87	-0.53	2.88e-04	8.48e-04	-5.51e-04
3642	225	-1.48	-13.26	-0.49	3.87e-04	-1.59e-04	-4.62e-04
3643	4	0.22	0.43	-0.63	0.0	6.20e-05	1.27e-05
3643	44	0.17	-1.36	-0.55	0.0	6.68e-05	-1.45e-05
3643	68	0.15	0.28	-0.44	0.0	4.38e-05	8.34e-06
3643	88	0.12	-0.92	-0.39	0.0	4.71e-05	-9.80e-06
3643	98	0.12	-0.15	-0.37	0.0	4.03e-05	-1.73e-06
3643	105	0.11	-0.30	-0.35	0.0	3.93e-05	-3.25e-06
3643	107	0.12	-0.15	-0.35	0.0	3.85e-05	-1.67e-06
3643	108	6.11	-3.03	-0.41	0.0	1.03e-03	-4.09e-04
3643	113	6.11	-6.99	-0.39	0.0	1.03e-03	-4.10e-04
3643	129	-0.96	-8.93	-0.32	0.0	-1.55e-04	-3.24e-04
3643	140	6.86	-3.40	-0.42	0.0	1.15e-03	-4.61e-04
3643	145	6.87	-7.85	-0.40	0.0	1.15e-03	-4.62e-04
3643	161	-1.09	-10.05	-0.32	0.0	-1.79e-04	-3.65e-04
3643	172	6.72	-3.34	-0.41	0.0	1.12e-03	-4.54e-04
3643	177	6.73	-7.73	-0.40	0.0	1.12e-03	-4.55e-04
3643	193	-1.05	-10.05	-0.32	0.0	-1.75e-04	-3.69e-04
3643	204	7.80	-3.88	-0.42	0.0	1.30e-03	-5.30e-04
3643	209	7.81	-8.99	-0.40	0.0	1.29e-03	-5.31e-04
3643	225	-1.21	-11.79	-0.31	0.0	-2.05e-04	-4.40e-04
3644	4	0.25	0.43	-0.68	0.0	5.78e-05	5.41e-06

3644	44	0.21	-1.46	-0.59	0.0	6.86e-05	-1.00e-05
3644	68	0.18	0.28	-0.47	0.0	4.10e-05	3.44e-06
3644	88	0.15	-0.99	-0.41	0.0	4.82e-05	-6.84e-06
3644	98	0.14	-0.18	-0.39	0.0	3.98e-05	-2.32e-06
3644	105	0.13	-0.33	-0.37	0.0	3.91e-05	-3.10e-06
3644	107	0.13	-0.17	-0.37	0.0	3.79e-05	-2.23e-06
3644	108	6.60	-3.15	-0.44	0.0	9.77e-04	-4.18e-04
3644	113	6.60	-7.36	-0.42	0.0	9.76e-04	-4.18e-04
3644	129	-1.03	-9.53	-0.34	0.0	-1.47e-04	-3.34e-04
3644	140	7.41	-3.53	-0.44	0.0	1.10e-03	-4.70e-04
3644	145	7.42	-8.27	-0.42	0.0	1.09e-03	-4.70e-04
3644	161	-1.17	-10.71	-0.34	0.0	-1.70e-04	-3.77e-04
3644	172	7.26	-3.46	-0.44	0.0	1.07e-03	-4.62e-04
3644	177	7.27	-8.13	-0.42	0.0	1.07e-03	-4.63e-04
3644	193	-1.14	-10.71	-0.34	0.0	-1.66e-04	-3.80e-04
3644	204	8.42	-4.01	-0.45	0.0	1.23e-03	-5.39e-04
3644	209	8.43	-9.45	-0.43	0.0	1.23e-03	-5.39e-04
3644	225	-1.31	-12.55	-0.33	0.0	-1.94e-04	-4.52e-04
3645	4	0.28	0.43	-0.76	1.40e-04	7.77e-05	-3.51e-06
3645	44	0.24	-1.56	-0.66	1.87e-04	3.62e-05	-3.72e-06
3645	68	0.20	0.28	-0.53	1.01e-04	5.31e-05	-2.53e-06
3645	88	0.17	-1.06	-0.47	1.32e-04	2.54e-05	-2.67e-06
3645	98	0.16	-0.20	-0.44	1.01e-04	3.21e-05	-2.78e-06
3645	105	0.15	-0.36	-0.42	1.03e-04	2.82e-05	-2.60e-06
3645	107	0.15	-0.19	-0.42	9.79e-05	3.02e-05	-2.67e-06
3645	108	7.07	-3.25	-0.48	1.34e-04	6.79e-04	-4.26e-04
3645	113	7.08	-7.70	-0.46	2.32e-04	6.76e-04	-4.26e-04
3645	129	-1.10	-10.07	-0.38	3.02e-04	-1.05e-04	-3.43e-04
3645	140	7.94	-3.64	-0.49	1.39e-04	7.60e-04	-4.79e-04
3645	145	7.95	-8.65	-0.47	2.49e-04	7.57e-04	-4.79e-04
3645	161	-1.26	-11.33	-0.38	3.28e-04	-1.23e-04	-3.87e-04
3645	172	7.78	-3.57	-0.49	1.38e-04	7.36e-04	-4.71e-04
3645	177	7.78	-8.50	-0.47	2.47e-04	7.33e-04	-4.70e-04
3645	193	-1.22	-11.32	-0.38	3.27e-04	-1.21e-04	-3.90e-04
3645	204	9.02	-4.13	-0.50	1.44e-04	8.47e-04	-5.48e-04
3645	209	9.02	-9.87	-0.47	2.71e-04	8.43e-04	-5.47e-04
3645	225	-1.40	-13.26	-0.37	3.66e-04	-1.43e-04	-4.63e-04
3646	4	0.22	0.43	-0.68	0.0	6.75e-05	9.09e-06
3646	44	0.18	-1.36	-0.57	0.0	6.45e-05	-9.49e-06
3646	68	0.15	0.28	-0.48	0.0	4.76e-05	5.98e-06
3646	88	0.13	-0.92	-0.41	0.0	4.56e-05	-6.41e-06
3646	98	0.12	-0.15	-0.39	0.0	4.12e-05	0.0
3646	105	0.12	-0.30	-0.37	0.0	3.96e-05	-1.99e-06
3646	107	0.12	-0.15	-0.37	0.0	3.93e-05	0.0
3646	113	6.22	-6.99	-0.44	0.0	1.01e-03	-4.11e-04
3646	124	4.00	5.55	-0.49	0.0	6.81e-04	4.14e-05
3646	129	-0.91	-8.94	-0.29	0.0	-1.49e-04	-3.27e-04
3646	145	6.99	-7.85	-0.45	0.0	1.14e-03	-4.62e-04
3646	156	4.49	6.26	-0.51	0.0	7.61e-04	4.73e-05
3646	161	-1.03	-10.05	-0.28	0.0	-1.73e-04	-3.69e-04
3646	177	6.87	-7.73	-0.44	0.0	1.11e-03	-4.55e-04
3646	188	4.41	6.25	-0.51	0.0	7.44e-04	4.98e-05
3646	193	-1.00	-10.05	-0.28	0.0	-1.68e-04	-3.73e-04
3646	209	7.98	-8.99	-0.45	0.0	1.28e-03	-5.31e-04
3646	220	5.11	7.34	-0.53	0.0	8.56e-04	6.17e-05
3646	225	-1.14	-11.79	-0.27	0.0	-1.97e-04	-4.44e-04
3647	4	0.25	0.43	-0.73	0.0	6.50e-05	3.38e-06
3647	44	0.21	-1.46	-0.61	0.0	6.46e-05	-7.13e-06
3647	68	0.17	0.28	-0.51	0.0	4.58e-05	2.12e-06
3647	88	0.15	-0.99	-0.43	0.0	4.56e-05	-4.88e-06
3647	98	0.14	-0.18	-0.42	0.0	4.05e-05	-1.85e-06
3647	105	0.14	-0.33	-0.40	0.0	3.91e-05	-2.34e-06
3647	107	0.14	-0.17	-0.40	0.0	3.86e-05	-1.78e-06
3647	113	6.70	-7.37	-0.46	0.0	9.60e-04	-4.17e-04
3647	124	4.33	5.95	-0.52	0.0	6.50e-04	4.37e-05
3647	129	-0.98	-9.53	-0.32	0.0	-1.42e-04	-3.36e-04
3647	145	7.53	-8.27	-0.47	0.0	1.08e-03	-4.69e-04
3647	156	4.86	6.72	-0.54	0.0	7.27e-04	4.99e-05
3647	161	-1.12	-10.72	-0.31	0.0	-1.65e-04	-3.79e-04
3647	177	7.40	-8.14	-0.47	0.0	1.05e-03	-4.61e-04
3647	188	4.76	6.71	-0.53	0.0	7.10e-04	5.22e-05
3647	193	-1.08	-10.71	-0.30	0.0	-1.60e-04	-3.82e-04
3647	209	8.59	-9.46	-0.48	0.0	1.21e-03	-5.37e-04
3647	220	5.52	7.87	-0.55	0.0	8.18e-04	6.46e-05
3647	225	-1.24	-12.56	-0.29	0.0	-1.88e-04	-4.55e-04

3648	4	0.28	0.43	-0.81	0.0	7.28e-05	-3.15e-06
3648	44	0.24	-1.56	-0.68	0.0	4.98e-05	-4.57e-06
3648	68	0.20	0.28	-0.57	0.0	5.02e-05	-2.30e-06
3648	88	0.17	-1.05	-0.48	0.0	3.48e-05	-3.24e-06
3648	98	0.16	-0.20	-0.46	0.0	3.57e-05	-2.94e-06
3648	105	0.15	-0.36	-0.44	0.0	3.28e-05	-2.83e-06
3648	107	0.15	-0.19	-0.44	0.0	3.37e-05	-2.81e-06
3648	113	7.16	-7.70	-0.51	0.0	6.75e-04	-4.22e-04
3648	124	4.65	6.31	-0.57	0.0	4.45e-04	4.58e-05
3648	129	-1.05	-10.07	-0.36	0.0	-8.73e-05	-3.45e-04
3648	145	8.05	-8.65	-0.52	0.0	7.56e-04	-4.75e-04
3648	156	5.21	7.13	-0.58	0.0	4.96e-04	5.24e-05
3648	161	-1.20	-11.33	-0.35	0.0	-1.02e-04	-3.89e-04
3648	177	7.90	-8.50	-0.51	0.0	7.35e-04	-4.66e-04
3648	188	5.11	7.12	-0.58	0.0	4.82e-04	5.44e-05
3648	193	-1.16	-11.31	-0.35	0.0	-1.00e-04	-3.91e-04
3648	209	9.18	-9.87	-0.52	0.0	8.46e-04	-5.41e-04
3648	220	5.92	8.36	-0.60	0.0	5.53e-04	6.73e-05
3648	225	-1.33	-13.26	-0.33	0.0	-1.20e-04	-4.64e-04
3649	4	0.21	0.43	-0.80	0.0	7.18e-05	6.13e-06
3649	44	0.18	-1.36	-0.66	0.0	6.37e-05	-5.54e-06
3649	68	0.15	0.28	-0.56	0.0	5.05e-05	4.03e-06
3649	88	0.13	-0.92	-0.47	0.0	4.51e-05	-3.75e-06
3649	98	0.12	-0.15	-0.46	0.0	4.22e-05	0.0
3649	105	0.12	-0.30	-0.43	0.0	4.03e-05	-1.04e-06
3649	107	0.12	-0.15	-0.43	0.0	4.02e-05	0.0
3649	113	6.34	-6.99	-0.54	0.0	9.98e-04	-4.11e-04
3649	124	4.03	5.55	-0.64	0.0	6.72e-04	4.32e-05
3649	129	-0.86	-8.94	-0.30	0.0	-1.44e-04	-3.29e-04
3649	145	7.12	-7.85	-0.55	0.0	1.12e-03	-4.63e-04
3649	156	4.53	6.27	-0.66	0.0	7.51e-04	4.92e-05
3649	161	-0.98	-10.05	-0.28	0.0	-1.67e-04	-3.72e-04
3649	177	7.02	-7.73	-0.54	0.0	1.09e-03	-4.56e-04
3649	188	4.45	6.25	-0.66	0.0	7.34e-04	5.17e-05
3649	193	-0.94	-10.05	-0.28	0.0	-1.61e-04	-3.75e-04
3649	209	8.17	-8.99	-0.56	0.0	1.26e-03	-5.31e-04
3649	220	5.17	7.34	-0.69	0.0	8.46e-04	6.38e-05
3649	225	-1.07	-11.79	-0.25	0.0	-1.89e-04	-4.47e-04
3650	4	0.25	0.44	-0.84	0.0	7.02e-05	1.68e-06
3650	44	0.21	-1.46	-0.69	0.0	6.28e-05	-4.81e-06
3650	68	0.17	0.28	-0.59	0.0	4.94e-05	1.01e-06
3650	88	0.15	-0.99	-0.49	0.0	4.44e-05	-3.32e-06
3650	98	0.14	-0.18	-0.48	0.0	4.15e-05	-1.50e-06
3650	105	0.14	-0.33	-0.45	0.0	3.96e-05	-1.78e-06
3650	107	0.14	-0.17	-0.45	0.0	3.95e-05	-1.45e-06
3650	113	6.81	-7.37	-0.56	0.0	9.45e-04	-4.16e-04
3650	124	4.36	5.96	-0.65	0.0	6.42e-04	4.49e-05
3650	129	-0.93	-9.54	-0.32	0.0	-1.39e-04	-3.37e-04
3650	145	7.65	-8.28	-0.57	0.0	1.06e-03	-4.69e-04
3650	156	4.89	6.73	-0.68	0.0	7.18e-04	5.12e-05
3650	161	-1.06	-10.73	-0.30	0.0	-1.61e-04	-3.80e-04
3650	177	7.54	-8.14	-0.57	0.0	1.04e-03	-4.60e-04
3650	188	4.81	6.71	-0.67	0.0	7.02e-04	5.35e-05
3650	193	-1.02	-10.72	-0.30	0.0	-1.56e-04	-3.83e-04
3650	209	8.77	-9.46	-0.58	0.0	1.20e-03	-5.36e-04
3650	220	5.58	7.88	-0.71	0.0	8.09e-04	6.60e-05
3650	225	-1.17	-12.57	-0.28	0.0	-1.82e-04	-4.56e-04
3651	4	0.28	0.44	-0.91	0.0	7.43e-05	-3.91e-06
3651	44	0.25	-1.56	-0.75	0.0	5.96e-05	-4.79e-06
3651	68	0.20	0.28	-0.64	0.0	5.14e-05	-2.81e-06
3651	88	0.17	-1.05	-0.53	0.0	4.16e-05	-3.40e-06
3651	98	0.16	-0.20	-0.52	0.0	3.98e-05	-3.22e-06
3651	105	0.16	-0.36	-0.49	0.0	3.72e-05	-3.07e-06
3651	107	0.16	-0.19	-0.49	0.0	3.76e-05	-3.08e-06
3651	113	7.26	-7.70	-0.60	0.0	6.68e-04	-4.22e-04
3651	124	4.67	6.31	-0.69	0.0	4.33e-04	4.60e-05
3651	129	-1.00	-10.07	-0.36	0.0	-7.18e-05	-3.46e-04
3651	145	8.16	-8.65	-0.61	0.0	7.47e-04	-4.75e-04
3651	156	5.23	7.13	-0.72	0.0	4.83e-04	5.26e-05
3651	161	-1.14	-11.33	-0.34	0.0	-8.54e-05	-3.90e-04
3651	177	8.04	-8.50	-0.61	0.0	7.28e-04	-4.65e-04
3651	188	5.15	7.12	-0.71	0.0	4.70e-04	5.46e-05
3651	193	-1.09	-11.31	-0.34	0.0	-8.29e-05	-3.91e-04
3651	209	9.35	-9.87	-0.62	0.0	8.39e-04	-5.40e-04
3651	220	5.97	8.36	-0.75	0.0	5.39e-04	6.76e-05

3651	225	-1.25	-13.26	-0.32	0.0	-9.98e-05	-4.65e-04
3652	4	0.06	0.41	-0.93	0.0	7.24e-05	4.67e-06
3652	28	0.06	-0.59	-0.89	0.0	7.39e-05	0.0
3652	44	0.05	-0.91	-0.76	0.0	6.59e-05	0.0
3652	68	0.04	0.27	-0.65	0.0	5.10e-05	3.17e-06
3652	80	0.04	-0.40	-0.62	0.0	5.20e-05	0.0
3652	88	0.04	-0.61	-0.53	0.0	4.67e-05	0.0
3652	98	0.03	-0.06	-0.53	0.0	4.29e-05	1.06e-06
3652	105	0.03	-0.16	-0.50	0.0	4.12e-05	0.0
3652	107	0.03	-0.05	-0.50	0.0	4.10e-05	0.0
3652	113	4.13	-5.38	-0.66	0.0	1.27e-03	-3.73e-04
3652	124	-0.29	3.83	-0.77	0.0	-7.31e-05	2.18e-05
3652	129	2.34	-6.38	-0.33	0.0	7.24e-04	-2.74e-04
3652	145	4.65	-6.05	-0.68	0.0	1.42e-03	-4.21e-04
3652	156	-0.33	4.32	-0.80	0.0	-8.67e-05	2.50e-05
3652	161	2.63	-7.19	-0.31	0.0	8.09e-04	-3.10e-04
3652	177	4.61	-5.99	-0.67	0.0	1.40e-03	-4.20e-04
3652	188	-0.33	4.31	-0.80	0.0	-8.25e-05	2.80e-05
3652	193	2.63	-7.21	-0.30	0.0	7.92e-04	-3.18e-04
3652	209	5.39	-6.99	-0.69	0.0	1.62e-03	-4.93e-04
3652	220	-0.38	5.06	-0.84	0.0	-1.01e-04	3.56e-05
3652	225	3.09	-8.48	-0.27	0.0	9.20e-04	-3.81e-04
3653	4	0.02	0.40	-0.93	-1.68e-04	6.62e-05	7.48e-06
3653	44	0.02	-0.79	-0.75	-1.31e-04	5.27e-05	4.75e-06
3653	52	0.02	-0.05	-0.91	-1.63e-04	6.26e-05	6.35e-06
3653	68	0.01	0.27	-0.65	-1.17e-04	4.65e-05	5.19e-06
3653	88	0.01	-0.53	-0.53	-9.21e-05	3.76e-05	3.37e-06
3653	92	0.01	-0.04	-0.63	-1.13e-04	4.41e-05	4.44e-06
3653	98	0.01	-0.03	-0.52	-9.32e-05	3.69e-05	3.67e-06
3653	105	9.83e-03	-0.13	-0.49	-8.69e-05	3.50e-05	3.38e-06
3653	107	9.85e-03	-0.03	-0.50	-8.81e-05	3.53e-05	3.48e-06
3653	112	3.47	-2.59	-0.71	-1.92e-04	9.94e-04	-4.63e-04
3653	124	-0.26	3.41	-0.77	-1.83e-04	8.22e-04	1.87e-05
3653	129	1.96	-5.76	-0.32	-4.31e-05	-1.78e-04	-2.65e-04
3653	144	3.90	-2.92	-0.73	-2.05e-04	1.11e-03	-5.22e-04
3653	156	-0.29	3.84	-0.80	-1.95e-04	9.20e-04	2.12e-05
3653	161	2.21	-6.49	-0.30	-3.76e-05	-2.04e-04	-3.00e-04
3653	176	3.88	-2.94	-0.72	-2.02e-04	1.09e-03	-5.25e-04
3653	188	-0.29	3.84	-0.79	-1.93e-04	9.00e-04	2.43e-05
3653	193	2.21	-6.51	-0.30	-3.86e-05	-1.97e-04	-3.09e-04
3653	208	4.54	-3.46	-0.75	-2.21e-04	1.26e-03	-6.20e-04
3653	220	-0.33	4.50	-0.84	-2.10e-04	1.04e-03	3.05e-05
3653	225	2.61	-7.67	-0.27	-3.13e-05	-2.29e-04	-3.72e-04
3654	4	0.09	0.41	-0.93	0.0	7.20e-05	5.01e-06
3654	28	0.10	-0.68	-0.89	0.0	7.30e-05	-1.24e-06
3654	44	0.09	-1.03	-0.76	0.0	6.49e-05	-2.77e-06
3654	68	0.07	0.27	-0.65	0.0	5.07e-05	3.34e-06
3654	80	0.07	-0.46	-0.63	0.0	5.14e-05	0.0
3654	88	0.06	-0.69	-0.54	0.0	4.60e-05	-1.84e-06
3654	98	0.06	-0.08	-0.53	0.0	4.25e-05	0.0
3654	105	0.05	-0.20	-0.50	0.0	4.07e-05	0.0
3654	107	0.05	-0.08	-0.50	0.0	4.06e-05	0.0
3654	113	4.78	-5.79	-0.66	0.0	1.21e-03	-3.84e-04
3654	124	-0.33	4.26	-0.77	0.0	7.79e-04	2.83e-05
3654	129	2.71	-7.03	-0.33	0.0	-1.53e-04	-2.91e-04
3654	145	5.38	-6.51	-0.68	0.0	1.36e-03	-4.32e-04
3654	156	-0.38	4.81	-0.81	0.0	8.71e-04	3.24e-05
3654	161	3.04	-7.91	-0.31	0.0	-1.77e-04	-3.29e-04
3654	177	5.33	-6.43	-0.67	0.0	1.33e-03	-4.30e-04
3654	188	-0.37	4.80	-0.80	0.0	8.53e-04	3.54e-05
3654	193	3.03	-7.93	-0.31	0.0	-1.71e-04	-3.36e-04
3654	209	6.22	-7.49	-0.70	0.0	1.55e-03	-5.04e-04
3654	220	-0.44	5.64	-0.85	0.0	9.84e-04	4.45e-05
3654	225	3.57	-9.32	-0.28	0.0	-1.99e-04	-4.02e-04
3655	4	0.13	0.42	-0.94	0.0	7.31e-05	5.92e-06
3655	28	0.13	-0.77	-0.90	0.0	7.32e-05	-1.39e-06
3655	44	0.12	-1.14	-0.77	0.0	6.45e-05	-3.22e-06
3655	68	0.09	0.27	-0.66	0.0	5.14e-05	3.94e-06
3655	80	0.09	-0.52	-0.63	0.0	5.15e-05	0.0
3655	88	0.08	-0.77	-0.54	0.0	4.57e-05	-2.15e-06
3655	98	0.08	-0.11	-0.53	0.0	4.28e-05	0.0
3655	105	0.07	-0.23	-0.50	0.0	4.09e-05	0.0
3655	107	0.07	-0.10	-0.51	0.0	4.08e-05	0.0
3655	113	5.39	-6.19	-0.66	0.0	1.14e-03	-3.95e-04
3655	124	-0.37	4.70	-0.77	0.0	7.40e-04	3.52e-05

3655	129	3.06	-7.68	-0.34	0.0	-1.49e-04	-3.07e-04
3655	145	6.06	-6.96	-0.68	0.0	1.27e-03	-4.45e-04
3655	156	-0.42	5.30	-0.81	0.0	8.27e-04	4.01e-05
3655	161	3.44	-8.64	-0.31	0.0	-1.72e-04	-3.48e-04
3655	177	6.00	-6.87	-0.68	0.0	1.25e-03	-4.41e-04
3655	188	-0.41	5.29	-0.80	0.0	8.10e-04	4.30e-05
3655	193	3.42	-8.65	-0.31	0.0	-1.66e-04	-3.53e-04
3655	209	7.00	-8.00	-0.70	0.0	1.44e-03	-5.16e-04
3655	220	-0.49	6.21	-0.85	0.0	9.34e-04	5.36e-05
3655	225	4.02	-10.16	-0.28	0.0	-1.94e-04	-4.23e-04
3656	4	0.17	0.42	-0.95	0.0	7.47e-05	6.28e-06
3656	28	0.17	-0.86	-0.91	0.0	7.38e-05	0.0
3656	44	0.15	-1.25	-0.77	0.0	6.45e-05	-2.66e-06
3656	68	0.12	0.27	-0.66	0.0	5.25e-05	4.19e-06
3656	80	0.12	-0.58	-0.64	0.0	5.19e-05	0.0
3656	88	0.11	-0.84	-0.55	0.0	4.57e-05	-1.78e-06
3656	98	0.10	-0.13	-0.54	0.0	4.33e-05	0.0
3656	105	0.10	-0.27	-0.51	0.0	4.13e-05	0.0
3656	107	0.10	-0.13	-0.51	0.0	4.13e-05	0.0
3656	113	5.96	-6.60	-0.67	0.0	1.05e-03	-4.05e-04
3656	124	3.74	5.13	-0.78	0.0	6.98e-04	4.08e-05
3656	129	-0.75	-8.32	-0.34	0.0	-1.44e-04	-3.21e-04
3656	145	6.70	-7.42	-0.69	0.0	1.18e-03	-4.56e-04
3656	156	4.19	5.80	-0.81	0.0	7.81e-04	4.64e-05
3656	161	-0.85	-9.36	-0.32	0.0	-1.67e-04	-3.63e-04
3656	177	6.62	-7.31	-0.68	0.0	1.15e-03	-4.51e-04
3656	188	4.14	5.78	-0.80	0.0	7.64e-04	4.92e-05
3656	193	-0.81	-9.36	-0.32	0.0	-1.61e-04	-3.67e-04
3656	209	7.72	-8.50	-0.71	0.0	1.34e-03	-5.26e-04
3656	220	4.82	6.79	-0.85	0.0	8.81e-04	6.07e-05
3656	225	-0.92	-10.99	-0.29	0.0	-1.88e-04	-4.39e-04
3657	4	0.06	0.41	-1.05	0.0	7.20e-05	2.77e-06
3657	28	0.06	-0.59	-1.01	0.0	7.49e-05	0.0
3657	44	0.05	-0.91	-0.85	0.0	6.72e-05	0.0
3657	68	0.04	0.27	-0.73	0.0	5.08e-05	1.87e-06
3657	80	0.04	-0.40	-0.70	0.0	5.27e-05	0.0
3657	88	0.04	-0.61	-0.60	0.0	4.76e-05	0.0
3657	98	0.03	-0.06	-0.60	0.0	4.32e-05	0.0
3657	105	0.03	-0.16	-0.56	0.0	4.16e-05	0.0
3657	107	0.03	-0.05	-0.57	0.0	4.13e-05	0.0
3657	108	3.43	-2.54	-0.89	0.0	9.73e-04	-3.81e-04
3657	112	4.31	-2.75	-0.84	0.0	9.62e-04	-4.71e-04
3657	129	2.43	-6.38	-0.37	0.0	7.00e-04	-2.78e-04
3657	140	3.86	-2.86	-0.93	0.0	1.09e-03	-4.29e-04
3657	144	4.86	-3.10	-0.88	0.0	1.08e-03	-5.30e-04
3657	161	2.73	-7.19	-0.35	0.0	7.82e-04	-3.15e-04
3657	172	3.83	-2.83	-0.92	0.0	1.07e-03	-4.29e-04
3657	176	4.83	-3.10	-0.87	0.0	1.06e-03	-5.32e-04
3657	193	2.74	-7.21	-0.35	0.0	7.69e-04	-3.23e-04
3657	208	5.65	-3.65	-0.91	0.0	1.23e-03	-6.26e-04
3657	220	-0.37	5.06	-0.98	0.0	-8.71e-05	3.44e-05
3657	225	3.23	-8.48	-0.32	0.0	8.93e-04	-3.88e-04
3658	4	0.02	0.40	-1.07	-3.95e-05	6.20e-05	2.36e-06
3658	28	0.02	-0.50	-1.02	-3.57e-05	5.64e-05	0.0
3658	44	0.02	-0.79	-0.87	-2.86e-05	4.83e-05	0.0
3658	68	0.01	0.27	-0.75	-2.73e-05	4.36e-05	1.61e-06
3658	80	0.01	-0.34	-0.72	-2.48e-05	3.98e-05	0.0
3658	88	0.01	-0.53	-0.61	-2.00e-05	3.44e-05	0.0
3658	98	0.01	-0.03	-0.61	-2.12e-05	3.44e-05	0.0
3658	105	9.62e-03	-0.13	-0.57	-1.95e-05	3.25e-05	0.0
3658	107	9.61e-03	-0.03	-0.57	-1.99e-05	3.29e-05	0.0
3658	108	2.92	-2.43	-0.90	-8.93e-05	1.24e-03	-3.82e-04
3658	112	3.67	-2.60	-0.85	-1.10e-04	9.70e-04	-4.69e-04
3658	129	2.06	-5.76	-0.38	-8.31e-05	-1.74e-04	-2.69e-04
3658	140	3.29	-2.73	-0.94	-9.81e-05	1.39e-03	-4.31e-04
3658	144	4.13	-2.93	-0.89	-1.22e-04	1.09e-03	-5.29e-04
3658	161	2.33	-6.49	-0.36	-9.11e-05	-2.00e-04	-3.05e-04
3658	176	4.11	-2.94	-0.88	-1.21e-04	1.07e-03	-5.32e-04
3658	188	-0.28	3.83	-0.93	0.0	8.79e-04	2.14e-05
3658	193	2.34	-6.51	-0.36	-9.02e-05	-1.93e-04	-3.14e-04
3658	208	4.82	-3.47	-0.92	-1.38e-04	1.24e-03	-6.28e-04
3658	220	-0.33	4.49	-0.99	3.80e-06	1.02e-03	2.77e-05
3658	225	2.77	-7.67	-0.32	-1.02e-04	-2.23e-04	-3.78e-04
3659	4	0.09	0.41	-1.04	0.0	7.17e-05	1.79e-06
3659	28	0.10	-0.68	-1.00	0.0	7.35e-05	-1.78e-06

3659	44	0.09	-1.03	-0.85	0.0	6.55e-05	-2.54e-06
3659	68	0.07	0.27	-0.73	0.0	5.05e-05	1.16e-06
3659	80	0.07	-0.46	-0.70	0.0	5.17e-05	-1.22e-06
3659	88	0.06	-0.69	-0.60	0.0	4.64e-05	-1.73e-06
3659	98	0.06	-0.08	-0.59	0.0	4.26e-05	0.0
3659	105	0.05	-0.20	-0.56	0.0	4.09e-05	0.0
3659	107	0.05	-0.08	-0.56	0.0	4.07e-05	0.0
3659	108	3.92	-2.66	-0.89	0.0	9.32e-04	-3.85e-04
3659	113	4.94	-5.79	-0.78	0.0	1.19e-03	-3.85e-04
3659	129	2.78	-7.03	-0.37	0.0	6.80e-04	-2.92e-04
3659	140	4.41	-2.99	-0.93	0.0	1.05e-03	-4.34e-04
3659	145	5.56	-6.51	-0.81	0.0	1.33e-03	-4.34e-04
3659	161	3.13	-7.91	-0.35	0.0	7.60e-04	-3.30e-04
3659	172	4.38	-2.96	-0.91	0.0	1.03e-03	-4.31e-04
3659	177	5.52	-6.43	-0.80	0.0	1.31e-03	-4.32e-04
3659	193	3.13	-7.93	-0.35	0.0	7.47e-04	-3.37e-04
3659	209	6.46	-7.49	-0.84	0.0	1.51e-03	-5.06e-04
3659	220	-0.41	5.63	-0.97	0.0	-9.13e-05	4.25e-05
3659	225	3.69	-9.32	-0.31	0.0	8.67e-04	-4.04e-04
3660	4	0.13	0.42	-1.04	0.0	7.25e-05	1.67e-06
3660	28	0.13	-0.77	-1.00	0.0	7.27e-05	-2.16e-06
3660	44	0.12	-1.14	-0.85	0.0	6.42e-05	-2.96e-06
3660	68	0.09	0.27	-0.73	0.0	5.10e-05	1.05e-06
3660	80	0.09	-0.52	-0.70	0.0	5.12e-05	-1.50e-06
3660	88	0.08	-0.77	-0.60	0.0	4.55e-05	-2.04e-06
3660	98	0.08	-0.11	-0.59	0.0	4.25e-05	0.0
3660	105	0.07	-0.23	-0.56	0.0	4.07e-05	0.0
3660	107	0.07	-0.10	-0.56	0.0	4.06e-05	0.0
3660	108	4.39	-2.79	-0.88	0.0	1.11e-03	-3.94e-04
3660	113	5.54	-6.19	-0.78	0.0	1.11e-03	-3.94e-04
3660	129	3.13	-7.68	-0.37	0.0	-1.39e-04	-3.07e-04
3660	140	4.94	-3.13	-0.93	0.0	1.25e-03	-4.44e-04
3660	145	6.23	-6.96	-0.81	0.0	1.25e-03	-4.44e-04
3660	161	3.52	-8.64	-0.35	0.0	-1.61e-04	-3.47e-04
3660	172	4.90	-3.09	-0.91	0.0	1.22e-03	-4.39e-04
3660	177	6.18	-6.87	-0.80	0.0	1.23e-03	-4.40e-04
3660	193	3.51	-8.65	-0.35	0.0	-1.55e-04	-3.53e-04
3660	209	7.22	-8.00	-0.84	0.0	1.42e-03	-5.15e-04
3660	220	-0.46	6.21	-0.97	0.0	9.13e-04	5.07e-05
3660	225	4.13	-10.15	-0.31	0.0	-1.80e-04	-4.22e-04
3661	4	0.17	0.42	-1.04	0.0	7.50e-05	3.56e-06
3661	28	0.17	-0.86	-1.00	0.0	7.35e-05	0.0
3661	44	0.15	-1.25	-0.85	0.0	6.40e-05	-1.25e-06
3661	68	0.12	0.27	-0.73	0.0	5.27e-05	2.34e-06
3661	80	0.12	-0.58	-0.70	0.0	5.17e-05	0.0
3661	88	0.11	-0.84	-0.60	0.0	4.54e-05	0.0
3661	98	0.10	-0.13	-0.59	0.0	4.33e-05	0.0
3661	105	0.10	-0.27	-0.56	0.0	4.12e-05	0.0
3661	107	0.10	-0.13	-0.56	0.0	4.13e-05	0.0
3661	108	4.83	-2.91	-0.89	0.0	1.04e-03	-4.04e-04
3661	113	6.10	-6.60	-0.78	0.0	1.03e-03	-4.05e-04
3661	129	3.46	-8.32	-0.37	0.0	-1.37e-04	-3.20e-04
3661	140	5.43	-3.27	-0.93	0.0	1.16e-03	-4.55e-04
3661	145	6.86	-7.42	-0.81	0.0	1.16e-03	-4.56e-04
3661	161	3.88	-9.36	-0.35	0.0	-1.59e-04	-3.62e-04
3661	172	5.38	-3.22	-0.91	0.0	1.14e-03	-4.49e-04
3661	177	6.79	-7.31	-0.80	0.0	1.13e-03	-4.51e-04
3661	193	3.87	-9.36	-0.35	0.0	-1.53e-04	-3.67e-04
3661	209	7.93	-8.50	-0.84	0.0	1.31e-03	-5.26e-04
3661	220	-0.51	6.79	-0.97	0.0	8.65e-04	5.87e-05
3661	225	4.55	-10.99	-0.31	0.0	-1.79e-04	-4.38e-04
3662	4	0.05	0.40	-1.04	0.0	7.31e-05	1.65e-06
3662	28	0.06	-0.59	-0.99	0.0	7.63e-05	0.0
3662	44	0.05	-0.91	-0.84	0.0	6.86e-05	0.0
3662	68	0.04	0.27	-0.73	0.0	5.16e-05	1.11e-06
3662	80	0.04	-0.40	-0.70	0.0	5.37e-05	0.0
3662	88	0.04	-0.61	-0.59	0.0	4.85e-05	0.0
3662	98	0.03	-0.06	-0.59	0.0	4.39e-05	0.0
3662	105	0.03	-0.16	-0.55	0.0	4.23e-05	0.0
3662	107	0.03	-0.05	-0.56	0.0	4.20e-05	0.0
3662	108	3.59	-2.54	-0.96	0.0	9.52e-04	-3.76e-04
3662	112	4.50	-2.75	-0.91	0.0	9.40e-04	-4.65e-04
3662	129	2.52	-6.38	-0.35	0.0	6.80e-04	-2.75e-04
3662	140	4.04	-2.86	-1.01	0.0	1.07e-03	-4.24e-04
3662	144	5.07	-3.10	-0.95	0.0	1.05e-03	-5.24e-04

3662	161	2.84	-7.19	-0.33	0.0	7.60e-04	-3.12e-04
3662	172	4.02	-2.83	-1.00	0.0	1.05e-03	-4.23e-04
3662	176	5.05	-3.11	-0.94	0.0	1.04e-03	-5.25e-04
3662	193	2.86	-7.21	-0.33	0.0	7.49e-04	-3.20e-04
3662	204	4.72	-3.31	-1.07	0.0	1.22e-03	-4.97e-04
3662	208	5.92	-3.65	-1.00	0.0	1.20e-03	-6.18e-04
3662	225	3.38	-8.48	-0.29	0.0	8.72e-04	-3.83e-04
3663	4	0.02	0.40	-1.06	1.27e-04	5.79e-05	1.98e-06
3663	28	0.02	-0.50	-1.01	1.23e-04	5.17e-05	0.0
3663	44	0.02	-0.79	-0.86	1.06e-04	4.38e-05	0.0
3663	68	0.01	0.27	-0.74	8.92e-05	4.07e-05	1.34e-06
3663	80	0.01	-0.34	-0.71	8.64e-05	3.65e-05	0.0
3663	88	0.01	-0.53	-0.60	7.47e-05	3.13e-05	0.0
3663	98	9.79e-03	-0.03	-0.60	7.27e-05	3.19e-05	0.0
3663	105	9.34e-03	-0.13	-0.56	6.86e-05	3.00e-05	0.0
3663	107	9.27e-03	-0.03	-0.57	6.91e-05	3.05e-05	0.0
3663	108	3.09	-2.43	-0.97	2.51e-05	1.21e-03	-3.83e-04
3663	112	3.87	-2.60	-0.92	2.67e-05	9.47e-04	-4.70e-04
3663	129	2.17	-5.75	-0.36	4.02e-05	-1.71e-04	-2.70e-04
3663	140	3.48	-2.74	-1.02	1.95e-05	1.36e-03	-4.31e-04
3663	144	4.36	-2.93	-0.96	2.13e-05	1.06e-03	-5.29e-04
3663	161	2.45	-6.48	-0.34	3.64e-05	-1.96e-04	-3.05e-04
3663	172	3.47	-2.72	-1.01	1.95e-05	1.33e-03	-4.32e-04
3663	176	4.35	-2.94	-0.95	2.11e-05	1.04e-03	-5.33e-04
3663	193	2.47	-6.50	-0.34	3.59e-05	-1.89e-04	-3.14e-04
3663	204	4.08	-3.19	-1.08	1.08e-05	1.54e-03	-5.08e-04
3663	208	5.11	-3.47	-1.01	1.26e-05	1.21e-03	-6.28e-04
3663	225	2.93	-7.66	-0.30	2.94e-05	-2.18e-04	-3.78e-04
3664	4	0.09	0.41	-1.04	0.0	7.23e-05	-1.22e-06
3664	28	0.10	-0.68	-0.99	0.0	7.42e-05	-3.05e-06
3664	44	0.09	-1.03	-0.84	0.0	6.62e-05	-3.06e-06
3664	68	0.07	0.27	-0.72	0.0	5.10e-05	0.0
3664	80	0.07	-0.46	-0.69	0.0	5.22e-05	-2.11e-06
3664	88	0.06	-0.69	-0.59	0.0	4.69e-05	-2.12e-06
3664	98	0.06	-0.08	-0.59	0.0	4.30e-05	-1.45e-06
3664	105	0.05	-0.20	-0.55	0.0	4.13e-05	-1.49e-06
3664	107	0.05	-0.08	-0.56	0.0	4.11e-05	-1.38e-06
3664	108	4.07	-2.66	-0.96	0.0	9.14e-04	-3.77e-04
3664	112	5.12	-2.91	-0.90	0.0	9.06e-04	-4.69e-04
3664	129	2.87	-7.03	-0.35	0.0	6.62e-04	-2.86e-04
3664	140	4.58	-2.99	-1.01	0.0	1.02e-03	-4.25e-04
3664	144	5.76	-3.28	-0.95	0.0	1.01e-03	-5.29e-04
3664	161	3.23	-7.91	-0.32	0.0	7.40e-04	-3.24e-04
3664	172	4.56	-2.96	-0.99	0.0	1.01e-03	-4.22e-04
3664	176	5.73	-3.28	-0.93	0.0	9.99e-04	-5.28e-04
3664	193	3.24	-7.93	-0.32	0.0	7.29e-04	-3.30e-04
3664	204	5.34	-3.46	-1.06	0.0	1.17e-03	-4.95e-04
3664	208	6.71	-3.85	-0.99	0.0	1.16e-03	-6.20e-04
3664	225	3.83	-9.32	-0.29	0.0	8.48e-04	-3.95e-04
3665	4	0.13	0.42	-1.03	0.0	7.12e-05	-3.85e-06
3665	28	0.14	-0.77	-0.98	0.0	7.14e-05	-5.26e-06
3665	44	0.12	-1.14	-0.83	0.0	6.30e-05	-4.85e-06
3665	68	0.09	0.27	-0.72	0.0	5.01e-05	-2.74e-06
3665	80	0.10	-0.52	-0.69	0.0	5.03e-05	-3.68e-06
3665	88	0.09	-0.77	-0.59	0.0	4.47e-05	-3.41e-06
3665	98	0.08	-0.11	-0.58	0.0	4.18e-05	-2.86e-06
3665	105	0.08	-0.23	-0.55	0.0	4.00e-05	-2.78e-06
3665	107	0.07	-0.10	-0.55	0.0	4.00e-05	-2.73e-06
3665	108	4.53	-2.79	-0.95	0.0	1.09e-03	-3.87e-04
3665	112	5.70	-3.08	-0.90	0.0	8.58e-04	-4.84e-04
3665	129	3.20	-7.68	-0.35	0.0	-1.29e-04	-3.00e-04
3665	140	5.10	-3.13	-1.00	0.0	1.22e-03	-4.35e-04
3665	144	6.41	-3.46	-0.95	0.0	9.61e-04	-5.45e-04
3665	161	3.60	-8.64	-0.32	0.0	-1.50e-04	-3.39e-04
3665	172	5.07	-3.09	-0.99	0.0	1.20e-03	-4.31e-04
3665	176	6.37	-3.46	-0.93	0.0	9.45e-04	-5.42e-04
3665	193	3.61	-8.65	-0.32	0.0	-1.43e-04	-3.44e-04
3665	204	5.93	-3.60	-1.06	0.0	1.39e-03	-5.04e-04
3665	208	7.46	-4.06	-0.99	0.0	1.10e-03	-6.35e-04
3665	225	4.26	-10.15	-0.29	0.0	-1.67e-04	-4.11e-04
3666	4	0.17	0.42	-1.04	0.0	7.18e-05	-1.28e-06
3666	28	0.17	-0.86	-0.99	0.0	7.03e-05	-2.71e-06
3666	44	0.15	-1.25	-0.84	0.0	6.13e-05	-2.76e-06
3666	68	0.12	0.27	-0.72	0.0	5.05e-05	0.0
3666	80	0.12	-0.58	-0.69	0.0	4.95e-05	-1.95e-06

3666	88	0.11	-0.84	-0.59	0.0	4.35e-05	-1.98e-06
3666	98	0.10	-0.13	-0.59	0.0	4.16e-05	-1.47e-06
3666	105	0.10	-0.27	-0.55	0.0	3.96e-05	-1.50e-06
3666	107	0.10	-0.13	-0.56	0.0	3.97e-05	-1.45e-06
3666	108	4.96	-2.92	-0.95	0.0	1.02e-03	-4.00e-04
3666	112	6.25	-3.25	-0.90	0.0	8.01e-04	-5.03e-04
3666	129	3.53	-8.32	-0.35	0.0	-1.31e-04	-3.15e-04
3666	140	5.58	-3.27	-1.00	0.0	1.14e-03	-4.50e-04
3666	144	7.03	-3.65	-0.95	0.0	8.97e-04	-5.66e-04
3666	161	3.96	-9.36	-0.32	0.0	-1.52e-04	-3.55e-04
3666	172	5.54	-3.22	-0.99	0.0	1.12e-03	-4.45e-04
3666	176	6.98	-3.64	-0.93	0.0	8.82e-04	-5.62e-04
3666	193	3.96	-9.36	-0.33	0.0	-1.46e-04	-3.60e-04
3666	204	6.48	-3.74	-1.06	0.0	1.30e-03	-5.20e-04
3666	208	8.16	-4.26	-0.99	0.0	1.02e-03	-6.58e-04
3666	225	4.67	-10.99	-0.29	0.0	-1.70e-04	-4.30e-04
3667	4	0.05	0.40	-0.91	0.0	7.52e-05	2.03e-06
3667	28	0.06	-0.60	-0.86	0.0	7.83e-05	0.0
3667	44	0.05	-0.91	-0.72	0.0	7.02e-05	0.0
3667	68	0.04	0.26	-0.64	0.0	5.30e-05	1.41e-06
3667	80	0.04	-0.40	-0.60	0.0	5.51e-05	0.0
3667	88	0.04	-0.61	-0.51	0.0	4.97e-05	0.0
3667	98	0.03	-0.06	-0.51	0.0	4.51e-05	0.0
3667	105	0.03	-0.17	-0.48	0.0	4.34e-05	0.0
3667	107	0.03	-0.06	-0.49	0.0	4.30e-05	0.0
3667	108	3.75	-2.54	-0.94	0.0	9.23e-04	-3.57e-04
3667	112	4.69	-2.75	-0.88	0.0	9.12e-04	-4.42e-04
3667	129	2.62	-6.38	-0.27	0.0	6.61e-04	-2.64e-04
3667	140	4.22	-2.86	-1.00	0.0	1.03e-03	-4.03e-04
3667	144	5.28	-3.10	-0.93	0.0	1.02e-03	-4.99e-04
3667	161	2.95	-7.19	-0.24	0.0	7.38e-04	-2.98e-04
3667	172	4.21	-2.83	-0.98	0.0	1.02e-03	-4.02e-04
3667	176	5.27	-3.11	-0.92	0.0	1.01e-03	-5.00e-04
3667	193	2.98	-7.20	-0.24	0.0	7.30e-04	-3.05e-04
3667	204	4.94	-3.32	-1.06	0.0	1.18e-03	-4.72e-04
3667	208	6.18	-3.65	-0.99	0.0	1.17e-03	-5.88e-04
3667	225	3.53	-8.47	-0.21	0.0	8.50e-04	-3.66e-04
3668	4	0.01	0.40	-0.90	2.76e-04	5.37e-05	0.0
3668	28	0.02	-0.50	-0.85	2.63e-04	4.69e-05	-1.91e-06
3668	44	0.02	-0.79	-0.72	2.23e-04	3.94e-05	-1.82e-06
3668	68	0.01	0.26	-0.62	1.93e-04	3.77e-05	0.0
3668	80	0.01	-0.34	-0.59	1.84e-04	3.32e-05	-1.35e-06
3668	88	0.01	-0.53	-0.51	1.57e-04	2.82e-05	-1.29e-06
3668	98	9.55e-03	-0.03	-0.50	1.56e-04	2.93e-05	-1.07e-06
3668	105	9.15e-03	-0.13	-0.47	1.46e-04	2.75e-05	-1.06e-06
3668	107	9.05e-03	-0.03	-0.48	1.48e-04	2.80e-05	-1.03e-06
3668	108	3.27	-2.44	-0.94	1.94e-04	1.18e-03	-3.84e-04
3668	112	4.08	-2.60	-0.88	1.87e-04	9.24e-04	-4.71e-04
3668	129	2.28	-5.74	-0.25	1.07e-04	-1.68e-04	-2.71e-04
3668	140	3.68	-2.74	-1.00	2.00e-04	1.32e-03	-4.32e-04
3668	144	4.60	-2.93	-0.93	1.92e-04	1.04e-03	-5.31e-04
3668	161	2.57	-6.47	-0.22	1.02e-04	-1.92e-04	-3.07e-04
3668	172	3.68	-2.72	-0.98	1.97e-04	1.30e-03	-4.33e-04
3668	176	4.60	-2.95	-0.92	1.89e-04	1.02e-03	-5.34e-04
3668	193	2.60	-6.50	-0.23	1.02e-04	-1.85e-04	-3.16e-04
3668	204	4.32	-3.19	-1.06	2.04e-04	1.51e-03	-5.10e-04
3668	208	5.40	-3.47	-0.99	1.94e-04	1.18e-03	-6.30e-04
3668	225	3.09	-7.65	-0.19	9.36e-05	-2.13e-04	-3.80e-04
3669	4	0.09	0.41	-0.92	0.0	7.57e-05	-3.08e-06
3669	28	0.10	-0.68	-0.86	0.0	7.70e-05	-3.68e-06
3669	44	0.09	-1.03	-0.72	0.0	6.84e-05	-3.00e-06
3669	68	0.07	0.27	-0.64	0.0	5.33e-05	-2.15e-06
3669	80	0.07	-0.46	-0.60	0.0	5.42e-05	-2.55e-06
3669	88	0.06	-0.69	-0.51	0.0	4.84e-05	-2.10e-06
3669	98	0.06	-0.08	-0.51	0.0	4.48e-05	-2.12e-06
3669	105	0.05	-0.20	-0.48	0.0	4.29e-05	-1.96e-06
3669	107	0.05	-0.08	-0.49	0.0	4.28e-05	-2.00e-06
3669	108	4.22	-2.67	-0.94	0.0	8.96e-04	-3.59e-04
3669	112	5.28	-2.92	-0.89	0.0	8.89e-04	-4.47e-04
3669	129	2.96	-7.03	-0.27	0.0	6.50e-04	-2.73e-04
3669	140	4.75	-2.99	-1.00	0.0	1.00e-03	-4.04e-04
3669	144	5.95	-3.28	-0.94	0.0	9.96e-04	-5.04e-04
3669	161	3.33	-7.91	-0.25	0.0	7.26e-04	-3.08e-04
3669	172	4.73	-2.96	-0.99	0.0	9.90e-04	-4.01e-04
3669	176	5.93	-3.28	-0.92	0.0	9.82e-04	-5.02e-04

3669	193	3.35	-7.92	-0.25	0.0	7.18e-04	-3.13e-04
3669	204	5.54	-3.46	-1.07	0.0	1.15e-03	-4.70e-04
3669	208	6.94	-3.85	-0.99	0.0	1.14e-03	-5.90e-04
3669	225	3.96	-9.31	-0.21	0.0	8.35e-04	-3.75e-04
3670	4	0.13	0.41	-0.92	0.0	7.12e-05	-9.26e-06
3670	28	0.14	-0.77	-0.86	0.0	7.11e-05	-9.05e-06
3670	44	0.12	-1.14	-0.73	0.0	6.28e-05	-7.37e-06
3670	68	0.09	0.27	-0.64	0.0	5.02e-05	-6.46e-06
3670	80	0.10	-0.52	-0.61	0.0	5.01e-05	-6.32e-06
3670	88	0.09	-0.77	-0.52	0.0	4.46e-05	-5.20e-06
3670	98	0.08	-0.11	-0.52	0.0	4.18e-05	-5.45e-06
3670	105	0.08	-0.23	-0.48	0.0	4.00e-05	-5.03e-06
3670	107	0.08	-0.10	-0.49	0.0	4.00e-05	-5.16e-06
3670	108	4.67	-2.79	-0.95	0.0	1.08e-03	-3.72e-04
3670	112	5.86	-3.08	-0.89	0.0	8.51e-04	-4.65e-04
3670	129	3.29	-7.67	-0.28	0.0	-1.21e-04	-2.87e-04
3670	140	5.26	-3.13	-1.00	0.0	1.21e-03	-4.18e-04
3670	144	6.59	-3.46	-0.94	0.0	9.54e-04	-5.23e-04
3670	161	3.70	-8.64	-0.25	0.0	-1.41e-04	-3.24e-04
3670	172	5.24	-3.09	-0.99	0.0	1.19e-03	-4.14e-04
3670	176	6.56	-3.46	-0.93	0.0	9.40e-04	-5.21e-04
3670	193	3.72	-8.64	-0.25	0.0	-1.34e-04	-3.28e-04
3670	204	6.13	-3.60	-1.07	0.0	1.38e-03	-4.84e-04
3670	208	7.68	-4.06	-1.00	0.0	1.09e-03	-6.10e-04
3670	225	4.39	-10.15	-0.22	0.0	-1.56e-04	-3.91e-04
3671	4	0.17	0.42	-0.93	0.0	6.39e-05	-9.20e-06
3671	28	0.17	-0.86	-0.87	0.0	6.30e-05	-8.99e-06
3671	44	0.16	-1.25	-0.74	0.0	5.55e-05	-7.41e-06
3671	68	0.12	0.27	-0.65	0.0	4.51e-05	-6.46e-06
3671	80	0.12	-0.58	-0.61	0.0	4.45e-05	-6.32e-06
3671	88	0.11	-0.84	-0.52	0.0	3.94e-05	-5.26e-06
3671	98	0.10	-0.13	-0.52	0.0	3.74e-05	-5.49e-06
3671	105	0.10	-0.27	-0.49	0.0	3.57e-05	-5.09e-06
3671	107	0.10	-0.13	-0.50	0.0	3.58e-05	-5.23e-06
3671	108	5.10	-2.92	-0.95	0.0	1.02e-03	-3.90e-04
3671	112	6.40	-3.25	-0.90	0.0	7.99e-04	-4.89e-04
3671	129	3.61	-8.32	-0.28	0.0	-1.23e-04	-3.04e-04
3671	140	5.74	-3.27	-1.01	0.0	1.14e-03	-4.39e-04
3671	144	7.20	-3.65	-0.95	0.0	8.96e-04	-5.51e-04
3671	161	4.05	-9.36	-0.26	0.0	-1.42e-04	-3.42e-04
3671	172	5.71	-3.22	-1.00	0.0	1.12e-03	-4.34e-04
3671	176	7.16	-3.64	-0.94	0.0	8.82e-04	-5.47e-04
3671	193	4.07	-9.36	-0.26	0.0	-1.36e-04	-3.46e-04
3671	204	6.68	-3.75	-1.08	0.0	1.30e-03	-5.07e-04
3671	208	8.38	-4.26	-1.01	0.0	1.02e-03	-6.41e-04
3671	225	4.80	-10.99	-0.22	0.0	-1.58e-04	-4.13e-04
3672	4	0.21	0.43	-0.96	0.0	7.52e-05	4.92e-06
3672	28	0.21	-0.94	-0.92	0.0	7.36e-05	0.0
3672	44	0.19	-1.36	-0.78	0.0	6.39e-05	-2.19e-06
3672	68	0.15	0.28	-0.67	0.0	5.28e-05	3.25e-06
3672	80	0.15	-0.64	-0.64	0.0	5.17e-05	0.0
3672	88	0.13	-0.92	-0.55	0.0	4.53e-05	-1.48e-06
3672	98	0.12	-0.15	-0.54	0.0	4.34e-05	0.0
3672	105	0.12	-0.30	-0.51	0.0	4.12e-05	0.0
3672	107	0.12	-0.15	-0.52	0.0	4.13e-05	0.0
3672	113	6.45	-6.99	-0.68	0.0	9.81e-04	-4.11e-04
3672	124	4.07	5.55	-0.78	0.0	6.62e-04	4.40e-05
3672	129	-0.82	-8.94	-0.35	0.0	-1.39e-04	-3.30e-04
3672	145	7.26	-7.85	-0.70	0.0	1.10e-03	-4.63e-04
3672	156	4.57	6.27	-0.81	0.0	7.40e-04	5.00e-05
3672	161	-0.93	-10.06	-0.33	0.0	-1.61e-04	-3.72e-04
3672	177	7.17	-7.73	-0.69	0.0	1.08e-03	-4.56e-04
3672	188	4.51	6.25	-0.81	0.0	7.24e-04	5.25e-05
3672	193	-0.89	-10.05	-0.33	0.0	-1.56e-04	-3.76e-04
3672	209	8.35	-8.99	-0.72	0.0	1.24e-03	-5.32e-04
3672	220	5.24	7.34	-0.85	0.0	8.35e-04	6.47e-05
3672	225	-1.01	-11.79	-0.30	0.0	-1.82e-04	-4.49e-04
3673	4	0.25	0.44	-0.98	0.0	7.41e-05	1.67e-06
3673	28	0.25	-1.01	-0.94	0.0	7.21e-05	-1.81e-06
3673	44	0.22	-1.46	-0.80	0.0	6.26e-05	-2.34e-06
3673	68	0.17	0.28	-0.69	0.0	5.20e-05	1.03e-06
3673	80	0.17	-0.69	-0.66	0.0	5.07e-05	-1.29e-06
3673	88	0.15	-0.99	-0.57	0.0	4.43e-05	-1.64e-06
3673	98	0.14	-0.17	-0.56	0.0	4.26e-05	0.0
3673	105	0.14	-0.33	-0.52	0.0	4.04e-05	0.0

3673	107	0.14	-0.17	-0.53	0.0	4.06e-05	0.0
3673	113	6.92	-7.38	-0.69	0.0	9.31e-04	-4.16e-04
3673	124	4.39	5.96	-0.79	0.0	6.35e-04	4.56e-05
3673	129	-0.89	-9.55	-0.36	0.0	-1.35e-04	-3.37e-04
3673	145	7.78	-8.29	-0.71	0.0	1.04e-03	-4.68e-04
3673	156	4.92	6.74	-0.82	0.0	7.10e-04	5.19e-05
3673	161	-1.01	-10.74	-0.34	0.0	-1.57e-04	-3.80e-04
3673	177	7.68	-8.15	-0.70	0.0	1.02e-03	-4.59e-04
3673	188	4.85	6.72	-0.82	0.0	6.95e-04	5.42e-05
3673	193	-0.96	-10.73	-0.34	0.0	-1.51e-04	-3.83e-04
3673	209	8.95	-9.47	-0.73	0.0	1.18e-03	-5.35e-04
3673	220	5.64	7.89	-0.86	0.0	8.00e-04	6.67e-05
3673	225	-1.10	-12.59	-0.31	0.0	-1.78e-04	-4.55e-04
3674	4	0.28	0.44	-1.03	0.0	8.07e-05	-5.19e-06
3674	44	0.25	-1.56	-0.85	0.0	6.87e-05	-5.25e-06
3674	68	0.20	0.28	-0.72	0.0	5.60e-05	-3.69e-06
3674	88	0.18	-1.05	-0.60	0.0	4.80e-05	-3.73e-06
3674	98	0.16	-0.20	-0.58	0.0	4.49e-05	-3.75e-06
3674	105	0.16	-0.36	-0.55	0.0	4.24e-05	-3.52e-06
3674	107	0.16	-0.19	-0.55	0.0	4.24e-05	-3.57e-06
3674	113	7.37	-7.70	-0.72	0.0	6.54e-04	-4.22e-04
3674	124	4.69	6.31	-0.82	0.0	-1.03e-05	4.56e-05
3674	129	-0.95	-10.07	-0.39	0.0	3.74e-04	-3.46e-04
3674	145	8.28	-8.64	-0.74	0.0	7.30e-04	-4.75e-04
3674	156	5.26	7.13	-0.85	0.0	-1.65e-05	5.23e-05
3674	161	-1.09	-11.33	-0.37	0.0	4.15e-04	-3.90e-04
3674	177	8.17	-8.50	-0.73	0.0	7.14e-04	-4.65e-04
3674	188	5.19	7.12	-0.84	0.0	-1.38e-05	5.42e-05
3674	193	-1.04	-11.31	-0.37	0.0	4.04e-04	-3.91e-04
3674	209	9.52	-9.87	-0.76	0.0	8.24e-04	-5.40e-04
3674	220	6.02	8.36	-0.89	0.0	-2.21e-05	6.72e-05
3674	225	-1.19	-13.26	-0.34	0.0	4.64e-04	-4.65e-04
3675	4	0.21	0.43	-1.05	0.0	7.76e-05	5.96e-06
3675	28	0.21	-0.94	-1.00	0.0	7.48e-05	2.70e-06
3675	44	0.19	-1.36	-0.85	0.0	6.45e-05	1.32e-06
3675	68	0.15	0.28	-0.73	0.0	5.45e-05	3.99e-06
3675	80	0.15	-0.64	-0.70	0.0	5.26e-05	1.82e-06
3675	88	0.13	-0.92	-0.60	0.0	4.57e-05	0.0
3675	98	0.12	-0.15	-0.59	0.0	4.44e-05	1.94e-06
3675	105	0.12	-0.30	-0.56	0.0	4.20e-05	1.57e-06
3675	107	0.12	-0.15	-0.56	0.0	4.23e-05	1.77e-06
3675	108	5.21	-3.04	-0.89	0.0	9.71e-04	-4.11e-04
3675	113	6.58	-6.99	-0.79	0.0	9.63e-04	-4.12e-04
3675	129	3.75	-8.94	-0.38	0.0	-1.34e-04	-3.29e-04
3675	140	5.85	-3.40	-0.93	0.0	1.09e-03	-4.63e-04
3675	145	7.40	-7.86	-0.82	0.0	1.08e-03	-4.64e-04
3675	161	4.22	-10.06	-0.35	0.0	-1.56e-04	-3.72e-04
3675	172	5.80	-3.34	-0.92	0.0	1.07e-03	-4.56e-04
3675	177	7.33	-7.74	-0.81	0.0	1.06e-03	-4.57e-04
3675	193	4.20	-10.06	-0.35	0.0	-1.50e-04	-3.76e-04
3675	204	6.77	-3.88	-0.97	0.0	1.23e-03	-5.32e-04
3675	209	8.55	-8.99	-0.84	0.0	1.22e-03	-5.34e-04
3675	225	4.93	-11.80	-0.32	0.0	-1.76e-04	-4.49e-04
3676	4	0.25	0.44	-1.06	0.0	7.79e-05	6.01e-06
3676	28	0.25	-1.01	-1.02	0.0	7.44e-05	3.52e-06
3676	44	0.22	-1.46	-0.87	0.0	6.39e-05	2.31e-06
3676	68	0.17	0.28	-0.74	0.0	5.46e-05	4.04e-06
3676	80	0.17	-0.69	-0.71	0.0	5.23e-05	2.38e-06
3676	88	0.15	-0.99	-0.61	0.0	4.53e-05	1.57e-06
3676	98	0.14	-0.17	-0.60	0.0	4.43e-05	2.19e-06
3676	105	0.14	-0.33	-0.57	0.0	4.19e-05	1.89e-06
3676	107	0.14	-0.17	-0.57	0.0	4.22e-05	2.00e-06
3676	108	7.03	-3.16	-0.90	0.0	9.25e-04	-4.14e-04
3676	113	7.04	-7.39	-0.80	0.0	7.23e-04	-4.14e-04
3676	129	-0.84	-9.56	-0.38	0.0	-1.30e-04	-3.35e-04
3676	140	7.90	-3.54	-0.94	0.0	1.04e-03	-4.66e-04
3676	145	7.91	-8.30	-0.82	0.0	8.09e-04	-4.67e-04
3676	161	-0.96	-10.76	-0.36	0.0	-1.51e-04	-3.78e-04
3676	172	7.82	-3.47	-0.92	0.0	1.01e-03	-4.58e-04
3676	177	7.83	-8.16	-0.82	0.0	7.93e-04	-4.59e-04
3676	193	-0.91	-10.75	-0.36	0.0	-1.46e-04	-3.81e-04
3676	204	9.12	-4.02	-0.98	0.0	1.17e-03	-5.34e-04
3676	209	9.14	-9.49	-0.85	0.0	9.16e-04	-5.35e-04
3676	225	-1.04	-12.61	-0.33	0.0	-1.72e-04	-4.54e-04
3677	4	0.28	0.44	-1.10	0.0	9.20e-05	-7.08e-06

3677	44	0.25	-1.56	-0.90	0.0	7.89e-05	-6.24e-06
3677	68	0.20	0.28	-0.77	0.0	6.40e-05	-4.98e-06
3677	88	0.18	-1.05	-0.63	0.0	5.52e-05	-4.43e-06
3677	98	0.17	-0.20	-0.62	0.0	5.19e-05	-4.64e-06
3677	105	0.16	-0.36	-0.59	0.0	4.90e-05	-4.31e-06
3677	107	0.16	-0.19	-0.59	0.0	4.91e-05	-4.41e-06
3677	108	7.47	-3.25	-0.91	0.0	5.06e-04	-4.22e-04
3677	113	7.48	-7.70	-0.81	0.0	6.35e-04	-4.22e-04
3677	129	-0.90	-10.07	-0.40	0.0	3.64e-04	-3.46e-04
3677	140	8.40	-3.64	-0.95	0.0	5.64e-04	-4.75e-04
3677	145	8.41	-8.64	-0.84	0.0	7.09e-04	-4.74e-04
3677	161	-1.03	-11.32	-0.38	0.0	4.03e-04	-3.90e-04
3677	172	8.30	-3.56	-0.94	0.0	5.54e-04	-4.65e-04
3677	177	8.32	-8.50	-0.83	0.0	6.95e-04	-4.65e-04
3677	193	-0.98	-11.31	-0.38	0.0	3.94e-04	-3.92e-04
3677	204	9.68	-4.13	-1.00	0.0	6.37e-04	-5.40e-04
3677	209	9.69	-9.87	-0.87	0.0	8.01e-04	-5.39e-04
3677	225	-1.12	-13.26	-0.35	0.0	4.52e-04	-4.65e-04
3678	4	0.20	0.43	-1.04	0.0	7.67e-05	8.03e-06
3678	28	0.21	-0.94	-0.99	0.0	7.35e-05	5.92e-06
3678	44	0.18	-1.36	-0.84	0.0	6.33e-05	4.28e-06
3678	68	0.14	0.28	-0.73	0.0	5.38e-05	5.42e-06
3678	80	0.15	-0.64	-0.70	0.0	5.17e-05	4.02e-06
3678	88	0.13	-0.92	-0.60	0.0	4.49e-05	2.92e-06
3678	98	0.12	-0.15	-0.59	0.0	4.38e-05	3.52e-06
3678	105	0.12	-0.30	-0.55	0.0	4.14e-05	3.11e-06
3678	107	0.11	-0.15	-0.56	0.0	4.17e-05	3.22e-06
3678	108	5.34	-3.04	-0.96	0.0	9.53e-04	-4.12e-04
3678	112	6.73	-3.41	-0.90	0.0	9.44e-04	-5.20e-04
3678	129	3.82	-8.94	-0.35	0.0	-1.30e-04	-3.27e-04
3678	140	6.00	-3.40	-1.01	0.0	1.07e-03	-4.64e-04
3678	144	7.56	-3.82	-0.95	0.0	1.06e-03	-5.86e-04
3678	161	4.29	-10.06	-0.33	0.0	-1.51e-04	-3.70e-04
3678	172	5.96	-3.35	-0.99	0.0	1.05e-03	-4.58e-04
3678	176	7.51	-3.81	-0.94	0.0	1.04e-03	-5.81e-04
3678	193	4.28	-10.06	-0.33	0.0	-1.45e-04	-3.74e-04
3678	204	6.96	-3.88	-1.06	0.0	1.21e-03	-5.35e-04
3678	208	8.77	-4.45	-0.99	0.0	1.20e-03	-6.81e-04
3678	225	5.04	-11.80	-0.29	0.0	-1.70e-04	-4.48e-04
3679	4	0.24	0.44	-1.06	0.0	8.24e-05	2.03e-05
3679	28	0.25	-1.01	-1.01	0.0	7.82e-05	1.67e-05
3679	44	0.22	-1.46	-0.85	0.0	6.67e-05	1.28e-05
3679	68	0.17	0.28	-0.74	0.0	5.77e-05	1.39e-05
3679	80	0.17	-0.69	-0.70	0.0	5.49e-05	1.15e-05
3679	88	0.15	-0.98	-0.60	0.0	4.73e-05	8.89e-06
3679	98	0.14	-0.17	-0.60	0.0	4.66e-05	9.94e-06
3679	105	0.14	-0.32	-0.56	0.0	4.40e-05	8.99e-06
3679	107	0.14	-0.16	-0.57	0.0	4.44e-05	9.26e-06
3679	108	5.69	-3.16	-0.96	0.0	9.06e-04	-4.15e-04
3679	112	7.17	-3.57	-0.91	0.0	8.95e-04	-5.28e-04
3679	129	4.10	-9.58	-0.36	0.0	-1.23e-04	-3.33e-04
3679	140	6.39	-3.54	-1.01	0.0	1.01e-03	-4.68e-04
3679	144	8.06	-4.01	-0.96	0.0	1.00e-03	-5.96e-04
3679	161	4.60	-10.78	-0.33	0.0	-1.44e-04	-3.78e-04
3679	172	6.34	-3.47	-1.00	0.0	9.95e-04	-4.61e-04
3679	176	7.99	-3.99	-0.94	0.0	9.83e-04	-5.89e-04
3679	193	4.59	-10.77	-0.33	0.0	-1.39e-04	-3.82e-04
3679	204	7.40	-4.03	-1.07	0.0	1.15e-03	-5.39e-04
3679	208	9.34	-4.66	-1.00	0.0	1.14e-03	-6.90e-04
3679	225	5.39	-12.63	-0.30	0.0	-1.63e-04	-4.57e-04
3680	4	0.29	0.44	-1.09	0.0	1.13e-04	-9.30e-06
3680	44	0.25	-1.56	-0.88	0.0	9.43e-05	-7.48e-06
3680	68	0.20	0.28	-0.76	0.0	7.85e-05	-6.51e-06
3680	88	0.18	-1.05	-0.62	0.0	6.61e-05	-5.30e-06
3680	98	0.17	-0.20	-0.61	0.0	6.35e-05	-5.75e-06
3680	105	0.16	-0.36	-0.58	0.0	5.97e-05	-5.29e-06
3680	107	0.16	-0.19	-0.58	0.0	5.99e-05	-5.44e-06
3680	108	6.02	-3.25	-0.98	0.0	4.88e-04	-4.22e-04
3680	112	7.60	-3.69	-0.93	0.0	4.85e-04	-5.38e-04
3680	129	4.36	-10.07	-0.37	0.0	3.64e-04	-3.46e-04
3680	140	6.77	-3.64	-1.03	0.0	5.42e-04	-4.75e-04
3680	144	8.54	-4.14	-0.97	0.0	5.39e-04	-6.05e-04
3680	161	4.90	-11.32	-0.35	0.0	4.02e-04	-3.90e-04
3680	172	6.71	-3.56	-1.02	0.0	5.33e-04	-4.65e-04
3680	176	8.47	-4.11	-0.96	0.0	5.30e-04	-5.95e-04

3680	193	4.89	-11.31	-0.35	0.0	3.95e-04	-3.91e-04
3680	204	7.83	-4.13	-1.09	0.0	6.12e-04	-5.40e-04
3680	208	9.88	-4.80	-1.02	0.0	6.08e-04	-6.93e-04
3680	225	5.73	-13.26	-0.31	0.0	4.52e-04	-4.64e-04
3681	4	0.20	0.43	-0.94	0.0	6.57e-05	4.94e-06
3681	28	0.20	-0.94	-0.88	0.0	6.36e-05	3.53e-06
3681	44	0.18	-1.36	-0.75	0.0	5.53e-05	2.51e-06
3681	68	0.14	0.28	-0.66	0.0	4.62e-05	3.28e-06
3681	80	0.14	-0.64	-0.62	0.0	4.48e-05	2.34e-06
3681	88	0.13	-0.92	-0.53	0.0	3.93e-05	1.66e-06
3681	98	0.12	-0.15	-0.53	0.0	3.80e-05	1.93e-06
3681	105	0.11	-0.30	-0.50	0.0	3.61e-05	1.70e-06
3681	107	0.11	-0.15	-0.50	0.0	3.63e-05	1.73e-06
3681	108	5.48	-3.04	-0.97	0.0	9.40e-04	-4.03e-04
3681	112	6.89	-3.41	-0.91	0.0	9.34e-04	-5.08e-04
3681	129	3.89	-8.94	-0.29	0.0	-1.23e-04	-3.15e-04
3681	140	6.16	-3.40	-1.02	0.0	1.05e-03	-4.54e-04
3681	144	7.74	-3.82	-0.96	0.0	1.05e-03	-5.73e-04
3681	161	4.37	-10.05	-0.27	0.0	-1.42e-04	-3.57e-04
3681	172	6.13	-3.34	-1.01	0.0	1.04e-03	-4.48e-04
3681	176	7.70	-3.81	-0.95	0.0	1.03e-03	-5.68e-04
3681	193	4.38	-10.05	-0.27	0.0	-1.36e-04	-3.61e-04
3681	204	7.17	-3.88	-1.09	0.0	1.20e-03	-5.24e-04
3681	208	9.01	-4.45	-1.02	0.0	1.19e-03	-6.65e-04
3681	225	5.16	-11.79	-0.23	0.0	-1.59e-04	-4.31e-04
3682	4	0.23	0.45	-0.96	0.0	8.65e-05	5.27e-05
3682	28	0.23	-1.01	-0.90	0.0	8.22e-05	4.36e-05
3682	44	0.21	-1.46	-0.77	0.0	6.98e-05	3.33e-05
3682	68	0.16	0.29	-0.67	0.0	6.06e-05	3.62e-05
3682	80	0.16	-0.68	-0.63	0.0	5.76e-05	3.01e-05
3682	88	0.15	-0.98	-0.54	0.0	4.94e-05	2.33e-05
3682	98	0.14	-0.17	-0.54	0.0	4.90e-05	2.66e-05
3682	105	0.13	-0.32	-0.51	0.0	4.61e-05	2.40e-05
3682	107	0.13	-0.16	-0.51	0.0	4.66e-05	2.49e-05
3682	108	5.82	-3.16	-0.98	0.0	8.77e-04	-4.29e-04
3682	112	7.32	-3.57	-0.93	0.0	8.64e-04	-5.49e-04
3682	129	4.16	-9.60	-0.31	0.0	-1.14e-04	-3.47e-04
3682	140	6.54	-3.54	-1.04	0.0	9.81e-04	-4.86e-04
3682	144	8.23	-4.01	-0.98	0.0	9.67e-04	-6.22e-04
3682	161	4.67	-10.80	-0.28	0.0	-1.34e-04	-3.95e-04
3682	172	6.50	-3.48	-1.03	0.0	9.64e-04	-4.80e-04
3682	176	8.17	-3.99	-0.97	0.0	9.50e-04	-6.16e-04
3682	193	4.68	-10.79	-0.29	0.0	-1.28e-04	-4.02e-04
3682	204	7.60	-4.04	-1.11	0.0	1.12e-03	-5.65e-04
3682	208	9.56	-4.66	-1.04	0.0	1.10e-03	-7.27e-04
3682	225	5.50	-12.66	-0.25	0.0	-1.52e-04	-4.85e-04
3683	4	0.29	0.44	-0.99	0.0	1.60e-04	-8.29e-06
3683	44	0.25	-1.56	-0.80	0.0	1.26e-04	-6.31e-06
3683	52	0.29	-0.33	-0.97	0.0	1.55e-04	-8.84e-06
3683	68	0.20	0.28	-0.70	0.0	1.11e-04	-5.81e-06
3683	88	0.18	-1.05	-0.57	0.0	8.82e-05	-4.49e-06
3683	92	0.20	-0.24	-0.68	0.0	1.08e-04	-6.17e-06
3683	98	0.17	-0.20	-0.56	0.0	8.81e-05	-5.11e-06
3683	105	0.16	-0.36	-0.53	0.0	8.22e-05	-4.66e-06
3683	107	0.16	-0.19	-0.53	0.0	8.31e-05	-4.83e-06
3683	108	6.15	-3.25	-1.00	0.0	5.95e-04	-4.20e-04
3683	112	7.73	-3.69	-0.96	0.0	4.82e-04	-5.35e-04
3683	129	4.42	-10.07	-0.34	0.0	0.0	-3.43e-04
3683	140	6.91	-3.64	-1.06	0.0	6.59e-04	-4.72e-04
3683	144	8.68	-4.14	-1.01	0.0	5.33e-04	-6.02e-04
3683	161	4.96	-11.32	-0.32	0.0	-9.78e-06	-3.86e-04
3683	172	6.86	-3.56	-1.05	0.0	6.49e-04	-4.63e-04
3683	176	8.63	-4.11	-1.00	0.0	5.25e-04	-5.92e-04
3683	193	4.97	-11.31	-0.32	0.0	-6.74e-06	-3.87e-04
3683	204	8.01	-4.13	-1.13	0.0	7.43e-04	-5.37e-04
3683	208	10.08	-4.80	-1.07	0.0	5.99e-04	-6.90e-04
3683	225	5.84	-13.26	-0.29	0.0	-1.84e-05	-4.60e-04
3684	18	-0.02	0.63	-0.27	0.0	-1.37e-05	0.0
3684	28	-0.02	-0.40	-0.36	0.0	-1.47e-05	0.0
3684	44	-0.02	-0.66	-0.33	0.0	-1.44e-05	0.0
3684	75	-0.01	0.42	-0.19	0.0	-1.01e-05	0.0
3684	80	-0.01	-0.27	-0.25	0.0	-1.07e-05	0.0
3684	88	-0.01	-0.44	-0.23	0.0	-1.05e-05	0.0
3684	98	-0.01	-6.89e-03	-0.20	0.0	-9.06e-06	0.0
3684	103	-0.01	0.08	-0.19	0.0	-8.97e-06	0.0

3684	105	-0.01	-0.09	-0.20	0.0	-9.06e-06	0.0
3684	107	-0.01	-6.49e-03	-0.19	0.0	-8.89e-06	0.0
3684	115	-5.10	-4.47	-0.43	0.0	-1.70e-03	4.15e-04
3684	135	-3.01	-4.92	-0.44	0.0	-1.01e-03	2.45e-04
3684	139	-2.87	-4.94	-0.44	0.0	-9.63e-04	2.49e-04
3684	147	-5.74	-5.03	-0.46	0.0	-1.92e-03	4.67e-04
3684	167	-3.40	-5.54	-0.47	0.0	-1.14e-03	2.77e-04
3684	171	-3.25	-5.57	-0.47	0.0	-1.09e-03	2.82e-04
3684	179	-5.77	-5.01	-0.46	0.0	-1.93e-03	4.69e-04
3684	203	-3.32	-5.59	-0.47	0.0	-1.11e-03	2.89e-04
3684	211	-6.80	-5.88	-0.50	0.0	-2.27e-03	5.52e-04
3684	235	-3.97	-6.59	-0.52	0.0	-1.33e-03	3.47e-04
3685	18	-0.01	0.53	-0.21	0.0	-9.42e-06	1.14e-06
3685	28	-0.01	-0.35	-0.27	0.0	-9.46e-06	0.0
3685	44	-0.01	-0.57	-0.25	0.0	-9.53e-06	0.0
3685	75	-0.01	0.35	-0.15	0.0	-6.92e-06	0.0
3685	80	-9.34e-03	-0.23	-0.19	0.0	-6.95e-06	0.0
3685	88	-9.86e-03	-0.38	-0.18	0.0	-6.99e-06	0.0
3685	98	-7.81e-03	-0.01	-0.16	0.0	-5.91e-06	0.0
3685	103	-8.14e-03	0.06	-0.15	0.0	-5.95e-06	0.0
3685	105	-8.08e-03	-0.08	-0.15	0.0	-5.97e-06	0.0
3685	107	-7.78e-03	-0.01	-0.15	0.0	-5.83e-06	0.0
3685	115	-4.37	-3.81	-0.34	0.0	-1.69e-03	3.53e-04
3685	135	-2.58	-4.20	-0.35	0.0	-1.00e-03	2.09e-04
3685	139	-2.46	-4.22	-0.35	0.0	-9.57e-04	2.13e-04
3685	147	-4.92	-4.30	-0.36	0.0	-1.91e-03	3.98e-04
3685	167	-2.91	-4.73	-0.37	0.0	-1.13e-03	2.36e-04
3685	171	-2.78	-4.76	-0.37	0.0	-1.08e-03	2.41e-04
3685	179	-4.95	-4.28	-0.36	0.0	-1.92e-03	4.00e-04
3685	203	-2.85	-4.78	-0.37	0.0	-1.11e-03	2.47e-04
3685	211	-5.83	-5.02	-0.40	0.0	-2.26e-03	4.71e-04
3685	235	-3.40	-5.63	-0.42	0.0	-1.32e-03	2.96e-04
3686	18	-0.01	0.43	-0.16	0.0	-7.13e-06	1.48e-06
3686	28	-9.58e-03	-0.30	-0.22	0.0	-6.73e-06	1.14e-06
3686	44	-0.01	-0.48	-0.20	0.0	-6.95e-06	1.08e-06
3686	75	-7.84e-03	0.29	-0.12	0.0	-5.24e-06	1.03e-06
3686	80	-7.12e-03	-0.20	-0.15	0.0	-4.98e-06	0.0
3686	88	-7.58e-03	-0.32	-0.14	0.0	-5.13e-06	0.0
3686	98	-5.91e-03	-0.01	-0.12	0.0	-4.24e-06	0.0
3686	103	-6.20e-03	0.05	-0.12	0.0	-4.35e-06	0.0
3686	105	-6.15e-03	-0.07	-0.12	0.0	-4.33e-06	0.0
3686	107	-5.90e-03	-0.01	-0.12	0.0	-4.21e-06	0.0
3686	115	-3.63	-3.16	-0.27	0.0	-1.70e-03	2.93e-04
3686	135	-2.15	-3.48	-0.28	0.0	-1.00e-03	1.74e-04
3686	139	-2.05	-3.50	-0.28	0.0	-9.60e-04	1.77e-04
3686	147	-4.10	-3.56	-0.29	0.0	-1.91e-03	3.30e-04
3686	167	-2.42	-3.92	-0.30	0.0	-1.13e-03	1.96e-04
3686	171	-2.31	-3.94	-0.30	0.0	-1.08e-03	2.00e-04
3686	179	-4.12	-3.54	-0.29	0.0	-1.92e-03	3.31e-04
3686	203	-2.37	-3.96	-0.30	0.0	-1.11e-03	2.06e-04
3686	211	-4.85	-4.15	-0.32	0.0	-2.27e-03	3.90e-04
3686	235	-2.83	-4.66	-0.33	0.0	-1.33e-03	2.47e-04
3687	18	-7.56e-03	0.32	-0.12	0.0	-5.73e-06	1.66e-06
3687	28	-6.80e-03	-0.23	-0.16	0.0	-5.17e-06	1.44e-06
3687	44	-7.33e-03	-0.36	-0.15	0.0	-5.46e-06	1.29e-06
3687	75	-5.55e-03	0.21	-0.09	0.0	-4.22e-06	1.15e-06
3687	80	-5.04e-03	-0.15	-0.11	0.0	-3.84e-06	1.01e-06
3687	88	-5.40e-03	-0.24	-0.10	0.0	-4.04e-06	0.0
3687	98	-4.15e-03	-0.01	-0.09	0.0	-3.24e-06	0.0
3687	103	-4.36e-03	0.03	-0.09	0.0	-3.38e-06	0.0
3687	105	-4.33e-03	-0.06	-0.09	0.0	-3.34e-06	0.0
3687	107	-4.14e-03	-0.01	-0.09	0.0	-3.23e-06	0.0
3687	115	-2.74	-2.36	-0.19	0.0	-1.71e-03	2.18e-04
3687	135	-1.62	-2.60	-0.20	0.0	-1.01e-03	1.30e-04
3687	139	-1.54	-2.62	-0.20	0.0	-9.67e-04	1.33e-04
3687	147	-3.09	-2.66	-0.21	0.0	-1.93e-03	2.45e-04
3687	167	-1.83	-2.93	-0.22	0.0	-1.14e-03	1.46e-04
3687	171	-1.74	-2.95	-0.22	0.0	-1.09e-03	1.50e-04
3687	179	-3.10	-2.65	-0.21	0.0	-1.94e-03	2.46e-04
3687	203	-1.78	-2.96	-0.22	0.0	-1.12e-03	1.54e-04
3687	211	-3.66	-3.10	-0.23	0.0	-2.29e-03	2.89e-04
3687	235	-2.13	-3.49	-0.24	0.0	-1.34e-03	1.84e-04
3688	4	0.19	0.54	-0.92	1.78e-05	1.24e-05	1.08e-04
3688	28	0.21	-1.03	-0.82	1.21e-04	2.04e-05	9.04e-05
3688	44	0.19	-1.52	-0.68	1.47e-04	2.56e-05	7.00e-05

3688	68	0.14	0.35	-0.65	1.39e-05	9.66e-06	7.48e-05
3688	80	0.15	-0.69	-0.58	8.29e-05	1.50e-05	6.29e-05
3688	88	0.14	-1.02	-0.48	1.00e-04	1.84e-05	4.93e-05
3688	98	0.12	-0.13	-0.51	3.83e-05	8.82e-06	5.59e-05
3688	101	0.12	-0.13	-0.50	3.84e-05	1.14e-05	5.36e-05
3688	105	0.12	-0.30	-0.47	4.79e-05	1.03e-05	5.08e-05
3688	107	0.11	-0.13	-0.48	3.65e-05	9.37e-06	5.26e-05
3688	112	8.09	8.05	-0.27	1.30e-04	4.09e-04	-3.12e-04
3688	134	0.79	6.54	-1.10	-5.93e-04	-3.61e-04	3.45e-04
3688	139	-4.44	-10.26	-0.06	6.68e-04	1.32e-04	1.91e-05
3688	144	9.10	9.09	-0.24	1.42e-04	4.60e-04	-3.58e-04
3688	166	0.87	7.38	-1.17	-6.71e-04	-4.07e-04	3.82e-04
3688	171	-5.02	-11.55	-7.14e-03	7.47e-04	1.47e-04	1.54e-05
3688	176	9.05	8.98	-0.26	1.31e-04	4.51e-04	-3.50e-04
3688	198	0.86	7.37	-1.16	-6.62e-04	-3.99e-04	3.72e-04
3688	203	-5.04	-11.54	-6.07e-03	7.40e-04	1.44e-04	2.31e-05
3688	208	10.58	10.52	-0.23	1.43e-04	5.24e-04	-4.15e-04
3688	230	0.99	8.64	-1.26	-7.77e-04	-4.65e-04	4.25e-04
3688	235	-5.98	-13.54	0.07	8.58e-04	1.62e-04	2.32e-05
3689	4	0.20	0.56	-0.82	7.97e-06	0.0	4.36e-05
3689	28	0.22	-1.01	-0.74	1.13e-04	0.0	3.20e-05
3689	44	0.20	-1.51	-0.61	1.41e-04	0.0	2.27e-05
3689	68	0.14	0.37	-0.58	7.10e-06	0.0	3.00e-05
3689	80	0.15	-0.68	-0.52	7.72e-05	0.0	2.23e-05
3689	88	0.14	-1.02	-0.44	9.59e-05	0.0	1.61e-05
3689	98	0.12	-0.12	-0.45	3.30e-05	0.0	2.11e-05
3689	105	0.12	-0.29	-0.42	4.31e-05	0.0	1.87e-05
3689	107	0.12	-0.12	-0.43	3.15e-05	0.0	1.98e-05
3689	112	8.09	7.89	-0.34	-4.18e-04	0.0	-3.53e-04
3689	134	0.79	6.61	-0.85	-4.71e-04	0.0	3.15e-04
3689	139	-4.44	-10.20	-0.12	7.00e-04	0.0	-1.16e-05
3689	144	9.10	8.91	-0.33	-4.75e-04	0.0	-4.00e-04
3689	166	0.88	7.46	-0.91	-5.34e-04	0.0	3.52e-04
3689	171	-5.02	-11.48	-0.08	7.84e-04	0.0	-1.51e-05
3689	176	9.05	8.81	-0.34	-4.62e-04	0.0	-3.92e-04
3689	198	0.87	7.44	-0.90	-5.31e-04	0.0	3.44e-04
3689	203	-5.03	-11.47	-0.08	7.77e-04	0.0	-7.87e-06
3689	208	10.59	10.31	-0.33	-5.41e-04	0.0	-4.60e-04
3689	230	0.99	8.72	-0.97	-6.26e-04	0.0	3.98e-04
3689	235	-5.97	-13.45	-0.02	9.03e-04	0.0	-7.77e-06
3690	4	0.31	0.55	-0.92	4.88e-06	1.63e-04	2.84e-05
3690	28	0.32	-1.08	-0.81	1.12e-04	1.55e-04	2.25e-05
3690	44	0.29	-1.59	-0.68	1.40e-04	1.33e-04	1.55e-05
3690	68	0.22	0.36	-0.64	4.75e-06	1.13e-04	1.92e-05
3690	80	0.23	-0.73	-0.57	7.65e-05	1.08e-04	1.53e-05
3690	88	0.20	-1.07	-0.48	9.52e-05	9.37e-05	1.07e-05
3690	98	0.18	-0.14	-0.50	3.19e-05	8.95e-05	1.42e-05
3690	105	0.18	-0.32	-0.47	4.20e-05	8.43e-05	1.25e-05
3690	107	0.18	-0.14	-0.48	3.01e-05	8.52e-05	1.30e-05
3690	112	8.42	8.28	-0.27	1.29e-04	5.91e-04	-3.70e-04
3690	134	0.86	6.80	-1.09	-6.14e-04	1.07e-04	3.14e-04
3690	139	-4.52	-10.63	-0.06	6.78e-04	-1.81e-04	-1.56e-05
3690	144	9.47	9.34	-0.24	1.41e-04	6.54e-04	-4.18e-04
3690	166	0.94	7.67	-1.16	-6.94e-04	1.09e-04	3.52e-04
3690	171	-5.12	-11.96	-9.75e-03	7.59e-04	-2.15e-04	-1.88e-05
3690	176	9.41	9.24	-0.26	1.31e-04	6.46e-04	-4.08e-04
3690	198	0.93	7.65	-1.15	-6.85e-04	1.09e-04	3.43e-04
3690	203	-5.13	-11.94	-8.69e-03	7.52e-04	-2.12e-04	-1.17e-05
3690	208	11.00	10.81	-0.23	1.45e-04	7.41e-04	-4.76e-04
3690	230	1.06	8.98	-1.25	-8.03e-04	1.13e-04	3.98e-04
3690	235	-6.10	-14.01	0.07	8.74e-04	-2.66e-04	-1.11e-05
3691	4	0.31	0.55	-0.83	1.43e-05	0.0	1.20e-05
3691	28	0.32	-1.07	-0.74	1.20e-04	0.0	7.31e-06
3691	44	0.29	-1.59	-0.62	1.46e-04	0.0	3.15e-06
3691	68	0.22	0.36	-0.58	1.13e-05	0.0	7.94e-06
3691	80	0.23	-0.72	-0.53	8.18e-05	0.0	4.81e-06
3691	88	0.20	-1.07	-0.44	9.95e-05	0.0	2.03e-06
3691	98	0.18	-0.14	-0.46	3.66e-05	0.0	5.26e-06
3691	105	0.18	-0.32	-0.43	4.64e-05	0.0	4.19e-06
3691	107	0.18	-0.13	-0.44	3.47e-05	0.0	4.61e-06
3691	112	8.42	8.10	-0.34	-4.02e-04	0.0	-3.66e-04
3691	134	0.86	6.85	-0.87	-4.56e-04	0.0	3.03e-04
3691	139	-4.52	-10.57	-0.12	6.87e-04	0.0	-2.84e-05
3691	144	9.47	9.15	-0.33	-4.57e-04	0.0	-4.13e-04
3691	166	0.94	7.73	-0.92	-5.17e-04	0.0	3.41e-04

3691	171	-5.12	-11.89	-0.08	7.69e-04	0.0	-3.20e-05
3691	176	9.41	9.04	-0.34	-4.44e-04	0.0	-4.04e-04
3691	198	0.94	7.71	-0.91	-5.15e-04	0.0	3.31e-04
3691	203	-5.13	-11.87	-0.08	7.62e-04	0.0	-2.40e-05
3691	208	11.00	10.58	-0.33	-5.21e-04	0.0	-4.71e-04
3691	230	1.06	9.05	-0.99	-6.07e-04	0.0	3.85e-04
3691	235	-6.10	-13.92	-0.02	8.85e-04	0.0	-2.35e-05
3692	4	0.43	0.55	-0.92	4.49e-06	1.87e-04	-1.48e-05
3692	44	0.38	-1.66	-0.68	1.39e-04	1.49e-04	-1.55e-05
3692	52	0.43	-0.28	-0.87	5.78e-05	1.82e-04	-1.56e-05
3692	68	0.30	0.36	-0.64	4.43e-06	1.30e-04	-1.07e-05
3692	88	0.27	-1.12	-0.48	9.39e-05	1.05e-04	-1.12e-05
3692	92	0.30	-0.20	-0.61	3.99e-05	1.27e-04	-1.13e-05
3692	98	0.25	-0.16	-0.50	3.12e-05	1.03e-04	-8.84e-06
3692	105	0.24	-0.34	-0.47	4.13e-05	9.64e-05	-8.82e-06
3692	107	0.24	-0.15	-0.48	2.95e-05	9.75e-05	-8.82e-06
3692	112	8.74	8.48	-0.27	1.23e-04	5.58e-04	-3.98e-04
3692	134	0.92	7.03	-1.08	-5.92e-04	1.10e-04	2.98e-04
3692	139	-4.59	-10.97	-0.07	6.55e-04	-1.40e-04	-3.74e-05
3692	144	9.81	9.57	-0.25	1.35e-04	6.17e-04	-4.47e-04
3692	166	1.01	7.93	-1.16	-6.70e-04	1.11e-04	3.37e-04
3692	171	-5.20	-12.34	-0.01	7.33e-04	-1.70e-04	-4.06e-05
3692	176	9.76	9.46	-0.27	1.25e-04	6.10e-04	-4.36e-04
3692	198	1.00	7.92	-1.14	-6.61e-04	1.11e-04	3.27e-04
3692	203	-5.22	-12.32	-0.01	7.26e-04	-1.68e-04	-3.32e-05
3692	208	11.39	11.07	-0.24	1.38e-04	6.97e-04	-5.05e-04
3692	230	1.13	9.29	-1.25	-7.75e-04	1.14e-04	3.83e-04
3692	235	-6.21	-14.45	0.07	8.44e-04	-2.16e-04	-3.24e-05
3693	4	0.43	0.54	-0.84	1.60e-05	0.0	-1.24e-05
3693	44	0.38	-1.67	-0.63	1.47e-04	0.0	-1.34e-05
3693	52	0.43	-0.29	-0.79	6.84e-05	0.0	-1.31e-05
3693	68	0.30	0.35	-0.59	1.25e-05	0.0	-9.06e-06
3693	88	0.27	-1.12	-0.45	9.96e-05	0.0	-9.78e-06
3693	92	0.30	-0.20	-0.56	4.74e-05	0.0	-9.57e-06
3693	98	0.25	-0.16	-0.46	3.73e-05	0.0	-7.49e-06
3693	105	0.24	-0.34	-0.43	4.69e-05	0.0	-7.55e-06
3693	107	0.24	-0.15	-0.44	3.53e-05	0.0	-7.53e-06
3693	112	8.74	8.30	-0.34	1.23e-04	0.0	-3.77e-04
3693	134	0.92	7.09	-0.88	-5.85e-04	0.0	2.96e-04
3693	139	-4.59	-10.92	-0.12	6.59e-04	0.0	-4.37e-05
3693	144	9.81	9.37	-0.33	1.34e-04	0.0	-4.23e-04
3693	166	1.01	8.00	-0.93	-6.63e-04	0.0	3.34e-04
3693	171	-5.20	-12.28	-0.08	7.37e-04	0.0	-4.77e-05
3693	176	9.76	9.26	-0.34	1.25e-04	0.0	-4.15e-04
3693	198	1.00	7.98	-0.92	-6.53e-04	0.0	3.24e-04
3693	203	-5.21	-12.26	-0.08	7.30e-04	0.0	-3.89e-05
3693	208	11.39	10.84	-0.33	1.37e-04	0.0	-4.81e-04
3693	230	1.13	9.36	-1.00	-7.67e-04	0.0	3.78e-04
3693	235	-6.21	-14.38	-0.02	8.47e-04	0.0	-3.84e-05
3694	4	0.54	0.55	-0.93	2.96e-06	1.34e-04	-5.59e-05
3694	44	0.47	-1.73	-0.69	1.35e-04	1.09e-04	-4.53e-05
3694	68	0.38	0.36	-0.65	3.32e-06	9.35e-05	-3.93e-05
3694	88	0.33	-1.16	-0.49	9.16e-05	7.66e-05	-3.22e-05
3694	98	0.31	-0.17	-0.51	2.96e-05	7.46e-05	-3.11e-05
3694	105	0.29	-0.36	-0.47	3.97e-05	7.01e-05	-2.94e-05
3694	107	0.30	-0.16	-0.48	2.80e-05	7.08e-05	-2.98e-05
3694	112	9.03	8.68	-0.28	1.19e-04	4.44e-04	-5.50e-04
3694	134	0.98	7.25	-1.08	-5.79e-04	8.55e-05	-7.13e-05
3694	139	-4.64	-11.30	-0.07	6.39e-04	-1.26e-04	3.05e-04
3694	144	10.13	9.79	-0.26	1.30e-04	4.91e-04	-6.15e-04
3694	166	1.07	8.19	-1.16	-6.55e-04	8.73e-05	-7.67e-05
3694	171	-5.27	-12.71	-0.02	7.16e-04	-1.50e-04	3.48e-04
3694	176	10.07	9.67	-0.28	1.21e-04	4.85e-04	-6.02e-04
3694	198	1.06	8.17	-1.14	-6.46e-04	8.71e-05	-7.58e-05
3694	203	-5.29	-12.69	-0.02	7.09e-04	-1.48e-04	3.45e-04
3694	208	11.75	11.33	-0.25	1.32e-04	5.55e-04	-6.96e-04
3694	230	1.18	9.59	-1.24	-7.57e-04	9.00e-05	-8.53e-05
3694	235	-6.30	-14.88	0.06	8.24e-04	-1.88e-04	4.15e-04
3695	4	0.54	0.54	-0.85	1.01e-05	0.0	-3.43e-05
3695	44	0.47	-1.74	-0.64	1.40e-04	0.0	-2.86e-05
3695	68	0.38	0.35	-0.59	8.31e-06	0.0	-2.43e-05
3695	88	0.33	-1.17	-0.45	9.50e-05	0.0	-2.05e-05
3695	98	0.31	-0.18	-0.47	3.35e-05	0.0	-1.92e-05
3695	105	0.30	-0.37	-0.44	4.33e-05	0.0	-1.83e-05
3695	107	0.30	-0.17	-0.45	3.17e-05	0.0	-1.86e-05

3695	112	9.03	8.49	-0.34	1.13e-04	0.0	-4.03e-04
3695	134	0.98	7.31	-0.89	-5.56e-04	0.0	2.91e-04
3695	139	-4.64	-11.25	-0.12	6.23e-04	0.0	-5.20e-05
3695	144	10.13	9.58	-0.33	1.23e-04	0.0	-4.52e-04
3695	166	1.07	8.25	-0.95	-6.29e-04	0.0	3.30e-04
3695	171	-5.27	-12.65	-0.08	6.97e-04	0.0	-5.57e-05
3695	176	10.07	9.46	-0.34	1.14e-04	0.0	-4.42e-04
3695	198	1.06	8.23	-0.93	-6.20e-04	0.0	3.21e-04
3695	203	-5.29	-12.63	-0.08	6.90e-04	0.0	-4.72e-05
3695	208	11.76	11.08	-0.33	1.24e-04	0.0	-5.11e-04
3695	230	1.19	9.65	-1.01	-7.27e-04	0.0	3.77e-04
3695	235	-6.30	-14.80	-0.02	8.02e-04	0.0	-4.64e-05
3696	4	0.21	0.56	-0.69	6.94e-06	0.0	1.88e-05
3696	28	0.23	-1.01	-0.63	1.11e-04	0.0	1.04e-05
3696	44	0.21	-1.51	-0.53	1.40e-04	0.0	5.32e-06
3696	68	0.15	0.37	-0.49	6.42e-06	0.0	1.28e-05
3696	80	0.16	-0.68	-0.44	7.59e-05	0.0	7.17e-06
3696	88	0.15	-1.02	-0.38	9.48e-05	0.0	3.81e-06
3696	98	0.13	-0.12	-0.39	3.20e-05	0.0	7.95e-06
3696	105	0.13	-0.29	-0.36	4.22e-05	0.0	6.56e-06
3696	107	0.12	-0.11	-0.37	3.06e-05	0.0	7.37e-06
3696	112	8.10	7.71	-0.34	-4.51e-04	0.0	-4.75e-04
3696	134	0.80	6.66	-0.63	-5.08e-04	0.0	-3.18e-05
3696	139	-4.43	-10.14	-0.17	7.46e-04	0.0	3.15e-04
3696	144	9.11	8.70	-0.33	-5.12e-04	0.0	-5.36e-04
3696	166	0.88	7.51	-0.67	-5.76e-04	0.0	-3.68e-05
3696	171	-5.01	-11.41	-0.14	8.36e-04	0.0	3.55e-04
3696	176	9.06	8.61	-0.34	-5.00e-04	0.0	-5.26e-04
3696	198	0.87	7.49	-0.66	-5.72e-04	0.0	-3.51e-05
3696	203	-5.02	-11.39	-0.14	8.28e-04	0.0	3.53e-04
3696	208	10.59	10.07	-0.34	-5.86e-04	0.0	-6.14e-04
3696	230	0.99	8.78	-0.71	-6.73e-04	0.0	-4.33e-05
3696	235	-5.96	-13.36	-0.10	9.63e-04	0.0	4.17e-04
3697	4	0.31	0.56	-0.72	2.09e-05	0.0	5.81e-06
3697	28	0.32	-1.07	-0.65	1.24e-04	0.0	1.29e-06
3697	44	0.29	-1.59	-0.54	1.50e-04	0.0	-1.81e-06
3697	68	0.22	0.36	-0.50	1.60e-05	0.0	3.66e-06
3697	80	0.23	-0.72	-0.46	8.49e-05	0.0	0.0
3697	88	0.21	-1.07	-0.39	1.02e-04	0.0	-1.42e-06
3697	98	0.19	-0.14	-0.40	3.97e-05	0.0	1.80e-06
3697	105	0.18	-0.32	-0.38	4.92e-05	0.0	0.0
3697	107	0.18	-0.13	-0.38	3.77e-05	0.0	1.38e-06
3697	112	8.42	7.94	-0.35	-4.12e-04	0.0	-3.63e-04
3697	134	0.86	6.92	-0.66	-4.73e-04	0.0	3.00e-04
3697	139	-4.52	-10.52	-0.17	7.13e-04	0.0	-3.53e-05
3697	144	9.47	8.95	-0.34	-4.69e-04	0.0	-4.09e-04
3697	166	0.94	7.81	-0.69	-5.37e-04	0.0	3.37e-04
3697	171	-5.12	-11.84	-0.14	7.98e-04	0.0	-3.93e-05
3697	176	9.41	8.85	-0.35	-4.57e-04	0.0	-4.01e-04
3697	198	0.94	7.78	-0.69	-5.34e-04	0.0	3.28e-04
3697	203	-5.13	-11.82	-0.14	7.90e-04	0.0	-3.08e-05
3697	208	11.00	10.36	-0.35	-5.36e-04	0.0	-4.66e-04
3697	230	1.06	9.12	-0.74	-6.30e-04	0.0	3.82e-04
3697	235	-6.10	-13.85	-0.10	9.18e-04	0.0	-3.06e-05
3698	4	0.43	0.54	-0.73	2.49e-05	0.0	-1.11e-05
3698	44	0.38	-1.67	-0.55	1.52e-04	0.0	-1.24e-05
3698	52	0.43	-0.29	-0.69	7.62e-05	0.0	-1.19e-05
3698	68	0.30	0.35	-0.51	1.87e-05	0.0	-8.18e-06
3698	88	0.27	-1.12	-0.40	1.03e-04	0.0	-9.06e-06
3698	92	0.30	-0.20	-0.49	5.29e-05	0.0	-8.70e-06
3698	98	0.25	-0.16	-0.41	4.18e-05	0.0	-6.81e-06
3698	105	0.24	-0.34	-0.38	5.11e-05	0.0	-6.90e-06
3698	107	0.24	-0.16	-0.39	3.96e-05	0.0	-6.87e-06
3698	112	8.74	8.13	-0.35	1.21e-04	0.0	-3.67e-04
3698	134	0.92	7.15	-0.67	-5.81e-04	0.0	2.97e-04
3698	139	-4.59	-10.88	-0.17	6.63e-04	0.0	-4.89e-05
3698	144	9.81	9.18	-0.35	1.31e-04	0.0	-4.13e-04
3698	166	1.01	8.07	-0.71	-6.59e-04	0.0	3.35e-04
3698	171	-5.20	-12.24	-0.14	7.41e-04	0.0	-5.35e-05
3698	176	9.76	9.07	-0.35	1.23e-04	0.0	-4.04e-04
3698	198	1.00	8.05	-0.70	-6.49e-04	0.0	3.25e-04
3698	203	-5.21	-12.22	-0.14	7.34e-04	0.0	-4.42e-05
3698	208	11.39	10.63	-0.35	1.33e-04	0.0	-4.69e-04
3698	230	1.13	9.44	-0.75	-7.63e-04	0.0	3.79e-04
3698	235	-6.21	-14.32	-0.10	8.51e-04	0.0	-4.43e-05

3699	4	0.55	0.53	-0.73	1.65e-05	0.0	-2.71e-05
3699	44	0.47	-1.75	-0.56	1.44e-04	0.0	-2.27e-05
3699	68	0.38	0.34	-0.52	1.27e-05	0.0	-1.93e-05
3699	88	0.33	-1.18	-0.40	9.76e-05	0.0	-1.63e-05
3699	98	0.31	-0.19	-0.41	3.71e-05	0.0	-1.53e-05
3699	105	0.30	-0.37	-0.38	4.64e-05	0.0	-1.46e-05
3699	107	0.30	-0.18	-0.39	3.50e-05	0.0	-1.49e-05
3699	112	9.03	8.31	-0.35	1.03e-04	0.0	-3.84e-04
3699	134	0.98	7.37	-0.68	-5.23e-04	0.0	2.95e-04
3699	139	-4.64	-11.21	-0.17	5.97e-04	0.0	-5.64e-05
3699	144	10.14	9.38	-0.35	1.12e-04	0.0	-4.31e-04
3699	166	1.07	8.32	-0.72	-5.93e-04	0.0	3.34e-04
3699	171	-5.27	-12.61	-0.14	6.67e-04	0.0	-6.10e-05
3699	176	10.08	9.27	-0.36	1.03e-04	0.0	-4.23e-04
3699	198	1.06	8.29	-0.71	-5.84e-04	0.0	3.24e-04
3699	203	-5.28	-12.58	-0.14	6.60e-04	0.0	-5.16e-05
3699	208	11.76	10.85	-0.35	1.10e-04	0.0	-4.89e-04
3699	230	1.19	9.73	-0.77	-6.86e-04	0.0	3.79e-04
3699	235	-6.30	-14.74	-0.10	7.66e-04	0.0	-5.16e-05
3700	4	0.22	0.57	-0.64	6.21e-06	0.0	1.43e-05
3700	28	0.23	-1.01	-0.58	1.10e-04	0.0	6.50e-06
3700	44	0.21	-1.51	-0.49	1.38e-04	0.0	2.21e-06
3700	68	0.15	0.37	-0.45	5.95e-06	0.0	9.70e-06
3700	80	0.16	-0.68	-0.41	7.49e-05	0.0	4.47e-06
3700	88	0.15	-1.02	-0.35	9.40e-05	0.0	1.62e-06
3700	98	0.13	-0.12	-0.36	3.13e-05	0.0	5.58e-06
3700	105	0.13	-0.29	-0.34	4.14e-05	0.0	4.37e-06
3700	107	0.13	-0.11	-0.34	3.00e-05	0.0	5.13e-06
3700	112	8.10	7.53	-0.50	-4.82e-04	0.0	-4.80e-04
3700	132	5.07	9.79	-0.54	-7.28e-04	0.0	-2.94e-04
3700	139	-4.43	-10.07	-0.15	7.86e-04	0.0	3.14e-04
3700	144	9.11	8.49	-0.52	-5.46e-04	0.0	-5.41e-04
3700	168	5.26	11.11	-0.56	-8.21e-04	0.0	-3.43e-04
3700	171	-5.01	-11.34	-0.13	8.81e-04	0.0	3.54e-04
3700	176	9.06	8.40	-0.52	-5.35e-04	0.0	-5.31e-04
3700	200	5.27	11.09	-0.56	-8.14e-04	0.0	-3.42e-04
3700	203	-5.02	-11.31	-0.13	8.74e-04	0.0	3.52e-04
3700	208	10.60	9.84	-0.56	-6.27e-04	0.0	-6.20e-04
3700	232	6.21	13.04	-0.60	-9.57e-04	0.0	-4.06e-04
3700	235	-5.96	-13.26	-0.09	1.02e-03	0.0	4.16e-04
3701	4	0.31	0.56	-0.68	2.64e-05	0.0	4.75e-06
3701	28	0.32	-1.07	-0.61	1.28e-04	0.0	0.0
3701	44	0.29	-1.59	-0.52	1.53e-04	0.0	-2.66e-06
3701	68	0.22	0.36	-0.48	1.99e-05	0.0	2.93e-06
3701	80	0.23	-0.72	-0.43	8.75e-05	0.0	0.0
3701	88	0.21	-1.07	-0.37	1.04e-04	0.0	-2.01e-06
3701	98	0.19	-0.14	-0.38	4.23e-05	0.0	1.20e-06
3701	105	0.18	-0.32	-0.36	5.15e-05	0.0	0.0
3701	107	0.18	-0.13	-0.36	4.02e-05	0.0	0.0
3701	112	8.42	7.77	-0.53	-4.24e-04	0.0	-3.62e-04
3701	136	4.87	10.21	-0.57	-6.58e-04	0.0	3.82e-05
3701	139	-4.52	-10.48	-0.16	7.39e-04	0.0	-3.65e-05
3701	144	9.47	8.76	-0.55	-4.82e-04	0.0	-4.08e-04
3701	168	5.47	11.52	-0.60	-7.46e-04	0.0	4.23e-05
3701	171	-5.12	-11.79	-0.13	8.26e-04	0.0	-4.07e-05
3701	176	9.41	8.66	-0.55	-4.71e-04	0.0	-4.00e-04
3701	200	5.49	11.49	-0.60	-7.38e-04	0.0	3.38e-05
3701	203	-5.13	-11.76	-0.13	8.19e-04	0.0	-3.21e-05
3701	208	11.00	10.15	-0.58	-5.54e-04	0.0	-4.66e-04
3701	232	6.45	13.52	-0.64	-8.70e-04	0.0	3.37e-05
3701	235	-6.10	-13.78	-0.09	9.51e-04	0.0	-3.20e-05
3702	4	0.43	0.54	-0.69	3.27e-05	0.0	-1.10e-05
3702	44	0.38	-1.68	-0.53	1.57e-04	0.0	-1.23e-05
3702	52	0.43	-0.30	-0.66	8.30e-05	0.0	-1.18e-05
3702	68	0.30	0.35	-0.48	2.41e-05	0.0	-8.08e-06
3702	88	0.27	-1.13	-0.38	1.07e-04	0.0	-8.97e-06
3702	92	0.30	-0.21	-0.46	5.77e-05	0.0	-8.60e-06
3702	98	0.25	-0.17	-0.39	4.58e-05	0.0	-6.73e-06
3702	105	0.24	-0.35	-0.36	5.47e-05	0.0	-6.83e-06
3702	107	0.24	-0.16	-0.37	4.34e-05	0.0	-6.79e-06
3702	112	8.74	7.97	-0.53	1.21e-04	0.0	-3.65e-04
3702	136	5.06	10.53	-0.59	-5.87e-04	0.0	3.67e-05
3702	139	-4.58	-10.85	-0.15	6.73e-04	0.0	-5.03e-05
3702	144	9.81	8.99	-0.55	1.31e-04	0.0	-4.10e-04
3702	168	5.68	11.88	-0.62	-6.66e-04	0.0	4.15e-05

3702	171	-5.20	-12.20	-0.13	7.52e-04	0.0	-5.51e-05
3702	176	9.76	8.89	-0.54	1.22e-04	0.0	-4.02e-04
3702	200	5.69	11.86	-0.61	-6.58e-04	0.0	3.21e-05
3702	203	-5.21	-12.17	-0.13	7.45e-04	0.0	-4.57e-05
3702	208	11.39	10.41	-0.57	1.32e-04	0.0	-4.66e-04
3702	232	6.68	13.95	-0.66	-7.77e-04	0.0	3.24e-05
3702	235	-6.21	-14.26	-0.08	8.63e-04	0.0	-4.60e-05
3703	4	0.56	0.52	-0.67	2.12e-05	0.0	-2.71e-05
3703	44	0.48	-1.76	-0.52	1.47e-04	0.0	-2.25e-05
3703	68	0.39	0.33	-0.48	1.60e-05	0.0	-1.93e-05
3703	88	0.34	-1.18	-0.37	9.95e-05	0.0	-1.62e-05
3703	98	0.32	-0.19	-0.38	3.97e-05	0.0	-1.52e-05
3703	105	0.30	-0.38	-0.36	4.88e-05	0.0	-1.46e-05
3703	107	0.30	-0.18	-0.36	3.74e-05	0.0	-1.48e-05
3703	112	9.04	8.14	-0.33	9.52e-05	0.0	-3.79e-04
3703	136	5.25	10.82	-0.59	-5.00e-04	0.0	3.03e-05
3703	139	-4.64	-11.18	-0.14	5.75e-04	0.0	-6.00e-05
3703	144	10.15	9.19	-0.33	1.02e-04	0.0	-4.25e-04
3703	168	5.88	12.21	-0.62	-5.67e-04	0.0	3.53e-05
3703	171	-5.27	-12.58	-0.11	6.42e-04	0.0	-6.50e-05
3703	176	10.09	9.08	-0.33	9.32e-05	0.0	-4.17e-04
3703	200	5.89	12.18	-0.61	-5.60e-04	0.0	2.57e-05
3703	203	-5.28	-12.55	-0.12	6.35e-04	0.0	-5.53e-05
3703	208	11.77	10.63	-0.33	9.84e-05	0.0	-4.82e-04
3703	232	6.91	14.33	-0.66	-6.61e-04	0.0	2.60e-05
3703	235	-6.30	-14.69	-0.07	7.36e-04	0.0	-5.57e-05
3704	4	0.58	0.55	-0.94	0.0	7.04e-05	-4.92e-05
3704	44	0.50	-1.80	-0.70	1.30e-04	6.06e-05	-3.99e-05
3704	68	0.41	0.36	-0.66	1.08e-06	4.93e-05	-3.47e-05
3704	88	0.35	-1.21	-0.50	8.78e-05	4.27e-05	-2.85e-05
3704	98	0.33	-0.19	-0.51	2.68e-05	4.03e-05	-2.77e-05
3704	105	0.32	-0.38	-0.48	3.69e-05	3.82e-05	-2.62e-05
3704	107	0.32	-0.18	-0.49	2.53e-05	3.83e-05	-2.67e-05
3704	112	9.19	8.86	-0.29	1.15e-04	3.44e-04	-5.61e-04
3704	134	1.01	7.47	-1.09	-5.77e-04	5.95e-05	-6.99e-05
3704	139	-4.70	-11.61	-0.08	6.32e-04	-1.30e-04	3.16e-04
3704	144	10.32	10.00	-0.27	1.27e-04	3.83e-04	-6.28e-04
3704	166	1.10	8.43	-1.16	-6.52e-04	6.21e-05	-7.55e-05
3704	171	-5.34	-13.06	-0.02	7.08e-04	-1.51e-04	3.60e-04
3704	176	10.25	9.88	-0.29	1.17e-04	3.77e-04	-6.14e-04
3704	198	1.09	8.41	-1.15	-6.43e-04	6.16e-05	-7.51e-05
3704	203	-5.36	-13.04	-0.02	7.01e-04	-1.49e-04	3.57e-04
3704	208	11.96	11.56	-0.26	1.28e-04	4.34e-04	-7.10e-04
3704	230	1.22	9.87	-1.25	-7.54e-04	6.53e-05	-8.56e-05
3704	235	-6.39	-15.29	0.05	8.16e-04	-1.82e-04	4.28e-04
3705	4	0.58	0.53	-0.86	1.77e-06	0.0	-3.56e-05
3705	44	0.50	-1.81	-0.64	1.31e-04	0.0	-2.85e-05
3705	68	0.40	0.35	-0.60	2.37e-06	0.0	-2.52e-05
3705	88	0.35	-1.22	-0.46	8.83e-05	0.0	-2.05e-05
3705	98	0.33	-0.20	-0.47	2.82e-05	0.0	-2.02e-05
3705	105	0.31	-0.39	-0.44	3.80e-05	0.0	-1.91e-05
3705	107	0.31	-0.19	-0.45	2.65e-05	0.0	-1.95e-05
3705	112	9.19	8.66	-0.34	1.01e-04	0.0	-5.40e-04
3705	134	1.01	7.51	-0.90	-5.25e-04	0.0	-6.09e-05
3705	139	-4.70	-11.55	-0.12	5.83e-04	0.0	3.14e-04
3705	144	10.31	9.77	-0.33	1.10e-04	0.0	-6.05e-04
3705	166	1.10	8.48	-0.96	-5.94e-04	0.0	-6.63e-05
3705	171	-5.34	-12.99	-0.08	6.52e-04	0.0	3.57e-04
3705	176	10.25	9.65	-0.35	1.01e-04	0.0	-5.92e-04
3705	198	1.09	8.46	-0.95	-5.85e-04	0.0	-6.48e-05
3705	203	-5.36	-12.97	-0.08	6.46e-04	0.0	3.54e-04
3705	208	11.96	11.30	-0.34	1.09e-04	0.0	-6.86e-04
3705	230	1.22	9.92	-1.03	-6.86e-04	0.0	-7.39e-05
3705	235	-6.39	-15.19	-0.01	7.50e-04	0.0	4.23e-04
3706	4	0.63	0.56	-0.96	0.0	7.29e-06	-8.46e-05
3706	44	0.55	-1.86	-0.72	1.22e-04	9.94e-06	-6.33e-05
3706	68	0.44	0.36	-0.67	1.09e-06	5.12e-06	-5.94e-05
3706	88	0.39	-1.25	-0.51	8.23e-05	6.89e-06	-4.52e-05
3706	98	0.36	-0.20	-0.52	2.56e-05	7.22e-06	-4.62e-05
3706	105	0.34	-0.39	-0.49	3.48e-05	6.99e-06	-4.31e-05
3706	107	0.34	-0.19	-0.50	2.38e-05	6.47e-06	-4.43e-05
3706	109	9.37	3.74	-0.09	3.63e-04	3.05e-04	-6.35e-04
3706	134	1.05	7.70	-1.10	-5.27e-04	-2.02e-04	-1.07e-04
3706	139	-4.75	-11.94	-0.09	5.79e-04	7.21e-05	3.45e-04
3706	141	10.51	4.25	-0.04	4.06e-04	3.43e-04	-7.10e-04

3706	166	1.13	8.69	-1.17	-5.96e-04	-2.28e-04	-1.16e-04
3706	171	-5.40	-13.43	-0.03	6.49e-04	8.02e-05	3.95e-04
3706	173	10.44	4.20	-0.07	3.92e-04	3.36e-04	-6.95e-04
3706	198	1.13	8.67	-1.15	-5.88e-04	-2.23e-04	-1.18e-04
3706	203	-5.41	-13.40	-0.03	6.43e-04	7.84e-05	3.94e-04
3706	205	12.18	4.96	-3.05e-03	4.48e-04	3.90e-04	-8.02e-04
3706	230	1.25	10.17	-1.26	-6.89e-04	-2.60e-04	-1.34e-04
3706	235	-6.46	-15.71	0.04	7.47e-04	8.84e-05	4.77e-04
3707	4	0.62	0.53	-0.87	-4.00e-06	0.0	-4.59e-05
3707	44	0.53	-1.88	-0.66	1.21e-04	0.0	-3.34e-05
3707	68	0.43	0.35	-0.61	-1.88e-06	0.0	-3.23e-05
3707	88	0.38	-1.26	-0.47	8.12e-05	0.0	-2.39e-05
3707	98	0.35	-0.21	-0.48	2.43e-05	0.0	-2.63e-05
3707	105	0.33	-0.40	-0.45	3.38e-05	0.0	-2.44e-05
3707	107	0.34	-0.20	-0.46	2.26e-05	0.0	-2.51e-05
3707	109	9.36	3.51	-0.17	3.29e-04	0.0	-6.10e-04
3707	134	1.04	7.70	-0.92	-4.87e-04	0.0	-7.61e-05
3707	139	-4.76	-11.83	-0.12	5.36e-04	0.0	3.48e-04
3707	141	10.50	3.98	-0.14	3.67e-04	0.0	-6.84e-04
3707	166	1.13	8.69	-0.98	-5.51e-04	0.0	-8.29e-05
3707	171	-5.41	-13.30	-0.08	6.01e-04	0.0	3.95e-04
3707	173	10.43	3.94	-0.16	3.53e-04	0.0	-6.72e-04
3707	198	1.12	8.67	-0.96	-5.42e-04	0.0	-8.46e-05
3707	203	-5.42	-13.27	-0.08	5.95e-04	0.0	3.96e-04
3707	205	12.17	4.66	-0.11	4.03e-04	0.0	-7.79e-04
3707	230	1.25	10.17	-1.04	-6.35e-04	0.0	-9.80e-05
3707	235	-6.47	-15.55	-0.01	6.91e-04	0.0	4.75e-04
3708	4	0.56	0.55	-1.00	1.91e-05	-1.85e-05	-3.19e-05
3708	44	0.49	-1.92	-0.76	1.14e-04	-1.49e-05	-2.93e-05
3708	52	0.56	-0.39	-0.95	5.89e-05	-1.56e-05	-3.26e-05
3708	68	0.40	0.35	-0.70	1.32e-05	-1.24e-05	-2.33e-05
3708	88	0.35	-1.29	-0.54	7.67e-05	-9.99e-06	-2.15e-05
3708	92	0.40	-0.27	-0.67	3.97e-05	-1.05e-05	-2.38e-05
3708	98	0.33	-0.21	-0.54	3.39e-05	0.0	-2.14e-05
3708	105	0.31	-0.41	-0.51	4.00e-05	0.0	-2.07e-05
3708	107	0.31	-0.20	-0.52	3.06e-05	-1.65e-06	-2.08e-05
3708	112	9.49	9.20	-0.33	1.02e-04	2.23e-04	-6.51e-04
3708	134	1.05	7.86	-1.11	-4.36e-04	-2.06e-04	-8.02e-05
3708	139	-4.89	-12.19	-0.11	5.01e-04	6.20e-05	3.86e-04
3708	144	10.65	10.39	-0.31	1.11e-04	2.52e-04	-7.31e-04
3708	166	1.14	8.87	-1.19	-4.94e-04	-2.31e-04	-8.83e-05
3708	171	-5.55	-13.71	-0.05	5.60e-04	6.98e-05	4.38e-04
3708	176	10.58	10.25	-0.32	1.03e-04	2.48e-04	-7.20e-04
3708	198	1.13	8.85	-1.17	-4.87e-04	-2.28e-04	-9.13e-05
3708	203	-5.56	-13.68	-0.05	5.54e-04	6.76e-05	4.41e-04
3708	208	12.34	12.00	-0.30	1.12e-04	2.90e-04	-8.38e-04
3708	230	1.27	10.39	-1.28	-5.72e-04	-2.65e-04	-1.07e-04
3708	235	-6.63	-16.03	0.03	6.43e-04	7.68e-05	5.29e-04
3709	4	0.56	0.54	-0.90	-5.16e-06	0.0	-2.21e-05
3709	44	0.49	-1.93	-0.68	1.15e-04	0.0	-2.56e-05
3709	52	0.57	-0.40	-0.86	4.18e-05	0.0	-2.50e-05
3709	68	0.40	0.35	-0.63	-2.86e-06	0.0	-1.61e-05
3709	88	0.35	-1.30	-0.49	7.74e-05	0.0	-1.85e-05
3709	92	0.40	-0.27	-0.60	2.85e-05	0.0	-1.81e-05
3709	98	0.33	-0.22	-0.50	2.32e-05	0.0	-1.57e-05
3709	105	0.31	-0.42	-0.47	3.23e-05	0.0	-1.56e-05
3709	107	0.31	-0.21	-0.48	2.13e-05	0.0	-1.53e-05
3709	112	9.49	8.95	-0.37	8.45e-05	0.0	-6.26e-04
3709	134	1.05	7.87	-0.94	-4.67e-04	0.0	-6.83e-05
3709	139	-4.89	-12.08	-0.13	5.14e-04	0.0	3.74e-04
3709	144	10.65	10.11	-0.35	9.23e-05	0.0	-7.03e-04
3709	166	1.14	8.89	-1.00	-5.28e-04	0.0	-7.55e-05
3709	171	-5.55	-13.58	-0.09	5.76e-04	0.0	4.24e-04
3709	176	10.58	9.97	-0.37	8.28e-05	0.0	-6.92e-04
3709	198	1.13	8.87	-0.99	-5.20e-04	0.0	-7.76e-05
3709	203	-5.56	-13.55	-0.08	5.70e-04	0.0	4.25e-04
3709	208	12.34	11.67	-0.36	8.88e-05	0.0	-8.06e-04
3709	230	1.27	10.40	-1.07	-6.09e-04	0.0	-9.18e-05
3709	235	-6.63	-15.87	-0.02	6.62e-04	0.0	5.09e-04
3710	4	0.58	0.52	-0.74	3.61e-06	0.0	-2.90e-05
3710	44	0.50	-1.82	-0.56	1.32e-04	0.0	-2.28e-05
3710	68	0.40	0.34	-0.52	3.64e-06	0.0	-2.05e-05
3710	88	0.35	-1.23	-0.40	8.91e-05	0.0	-1.64e-05
3710	98	0.33	-0.20	-0.41	2.98e-05	0.0	-1.67e-05
3710	105	0.31	-0.39	-0.39	3.94e-05	0.0	-1.57e-05

3710	107	0.31	-0.19	-0.39	2.79e-05	0.0	-1.60e-05
3710	112	9.19	8.46	-0.35	8.55e-05	0.0	-5.33e-04
3710	134	1.01	7.56	-0.69	-4.72e-04	0.0	-5.81e-05
3710	139	-4.70	-11.49	-0.17	5.32e-04	0.0	3.16e-04
3710	144	10.31	9.55	-0.35	9.26e-05	0.0	-5.99e-04
3710	166	1.10	8.53	-0.73	-5.34e-04	0.0	-6.35e-05
3710	171	-5.34	-12.92	-0.14	5.95e-04	0.0	3.59e-04
3710	176	10.25	9.43	-0.36	8.30e-05	0.0	-5.86e-04
3710	198	1.09	8.50	-0.72	-5.26e-04	0.0	-6.17e-05
3710	203	-5.35	-12.89	-0.14	5.89e-04	0.0	3.56e-04
3710	208	11.96	11.04	-0.36	8.79e-05	0.0	-6.80e-04
3710	230	1.22	9.98	-0.78	-6.16e-04	0.0	-7.07e-05
3710	235	-6.39	-15.10	-0.09	6.83e-04	0.0	4.25e-04
3711	4	0.60	0.52	-0.74	-7.09e-06	0.0	-3.08e-05
3711	44	0.52	-1.88	-0.56	1.21e-04	0.0	-2.42e-05
3711	68	0.42	0.34	-0.52	-3.92e-06	0.0	-2.18e-05
3711	88	0.37	-1.27	-0.40	8.17e-05	0.0	-1.74e-05
3711	98	0.35	-0.22	-0.41	2.38e-05	0.0	-1.86e-05
3711	105	0.33	-0.41	-0.39	3.35e-05	0.0	-1.74e-05
3711	107	0.33	-0.20	-0.40	2.21e-05	0.0	-1.77e-05
3711	109	9.35	3.28	-0.22	2.92e-04	0.0	-5.96e-04
3711	134	1.04	7.73	-0.70	-4.36e-04	0.0	-6.26e-05
3711	139	-4.77	-11.73	-0.17	4.85e-04	0.0	3.44e-04
3711	141	10.49	3.73	-0.20	3.26e-04	0.0	-6.69e-04
3711	166	1.12	8.72	-0.73	-4.94e-04	0.0	-6.86e-05
3711	171	-5.42	-13.19	-0.14	5.43e-04	0.0	3.90e-04
3711	173	10.43	3.69	-0.22	3.12e-04	0.0	-6.59e-04
3711	198	1.12	8.70	-0.73	-4.85e-04	0.0	-6.96e-05
3711	203	-5.43	-13.16	-0.14	5.36e-04	0.0	3.90e-04
3711	208	12.16	11.20	-0.36	7.24e-05	0.0	-7.53e-04
3711	230	1.25	10.20	-0.78	-5.68e-04	0.0	-8.12e-05
3711	235	-6.48	-15.41	-0.09	6.23e-04	0.0	4.67e-04
3712	4	0.57	0.53	-0.75	-1.26e-05	0.0	-2.03e-05
3712	44	0.49	-1.94	-0.57	1.16e-04	0.0	-2.33e-05
3712	52	0.57	-0.40	-0.71	3.73e-05	0.0	-2.30e-05
3712	68	0.40	0.34	-0.53	-7.78e-06	0.0	-1.47e-05
3712	88	0.35	-1.31	-0.41	7.79e-05	0.0	-1.68e-05
3712	92	0.40	-0.28	-0.50	2.54e-05	0.0	-1.66e-05
3712	98	0.33	-0.23	-0.42	2.07e-05	0.0	-1.46e-05
3712	105	0.31	-0.43	-0.39	3.06e-05	0.0	-1.45e-05
3712	107	0.31	-0.21	-0.40	1.91e-05	0.0	-1.41e-05
3712	112	9.48	8.70	-0.36	6.77e-05	0.0	-6.23e-04
3712	134	1.05	7.89	-0.70	-4.26e-04	0.0	-6.73e-05
3712	139	-4.89	-11.96	-0.17	4.68e-04	0.0	3.74e-04
3712	144	10.65	9.83	-0.35	7.36e-05	0.0	-7.00e-04
3712	166	1.14	8.91	-0.74	-4.81e-04	0.0	-7.45e-05
3712	171	-5.55	-13.45	-0.14	5.24e-04	0.0	4.24e-04
3712	176	10.58	9.70	-0.36	6.38e-05	0.0	-6.89e-04
3712	198	1.13	8.88	-0.73	-4.73e-04	0.0	-7.66e-05
3712	203	-5.56	-13.41	-0.14	5.18e-04	0.0	4.25e-04
3712	208	12.34	11.35	-0.36	6.64e-05	0.0	-8.02e-04
3712	230	1.27	10.42	-0.78	-5.53e-04	0.0	-9.07e-05
3712	235	-6.63	-15.71	-0.10	6.01e-04	0.0	5.08e-04
3713	4	0.57	0.51	-0.67	4.15e-06	0.0	-2.64e-05
3713	44	0.50	-1.83	-0.51	1.33e-04	0.0	-2.07e-05
3713	68	0.40	0.33	-0.47	4.03e-06	0.0	-1.88e-05
3713	88	0.35	-1.23	-0.37	8.97e-05	0.0	-1.50e-05
3713	98	0.33	-0.21	-0.38	3.06e-05	0.0	-1.53e-05
3713	105	0.31	-0.40	-0.35	4.02e-05	0.0	-1.45e-05
3713	107	0.31	-0.20	-0.36	2.87e-05	0.0	-1.47e-05
3713	112	9.19	8.26	-0.33	7.30e-05	0.0	-5.32e-04
3713	136	5.33	11.03	-0.58	-4.27e-04	0.0	-3.47e-04
3713	139	-4.70	-11.43	-0.14	4.85e-04	0.0	3.18e-04
3713	144	10.31	9.32	-0.33	7.85e-05	0.0	-5.97e-04
3713	168	5.97	12.45	-0.61	-4.85e-04	0.0	-3.90e-04
3713	171	-5.34	-12.85	-0.11	5.42e-04	0.0	3.60e-04
3713	176	10.25	9.21	-0.33	6.89e-05	0.0	-5.85e-04
3713	200	5.98	12.42	-0.61	-4.78e-04	0.0	-3.87e-04
3713	203	-5.35	-12.82	-0.11	5.36e-04	0.0	3.57e-04
3713	208	11.95	10.78	-0.33	7.09e-05	0.0	-6.79e-04
3713	232	7.01	14.61	-0.65	-5.63e-04	0.0	-4.56e-04
3713	235	-6.39	-15.01	-0.07	6.21e-04	0.0	4.26e-04
3714	4	0.59	0.51	-0.66	-8.72e-06	0.0	-2.64e-05
3714	44	0.52	-1.89	-0.51	1.23e-04	0.0	-2.17e-05
3714	68	0.42	0.33	-0.47	-4.96e-06	0.0	-1.87e-05

3714	88	0.36	-1.27	-0.36	8.27e-05	0.0	-1.56e-05
3714	98	0.34	-0.22	-0.37	2.38e-05	0.0	-1.63e-05
3714	105	0.32	-0.42	-0.35	3.39e-05	0.0	-1.54e-05
3714	107	0.33	-0.21	-0.36	2.22e-05	0.0	-1.56e-05
3714	109	9.35	3.05	-0.23	2.64e-04	0.0	-5.93e-04
3714	138	1.49	7.69	-0.58	-2.98e-04	0.0	-4.89e-05
3714	139	-4.78	-11.65	-0.18	4.39e-04	0.0	3.44e-04
3714	141	10.49	3.47	-0.21	2.94e-04	0.0	-6.66e-04
3714	166	1.12	8.76	-0.61	-4.43e-04	0.0	-6.53e-05
3714	171	-5.43	-13.09	-0.16	4.91e-04	0.0	3.90e-04
3714	176	10.42	9.32	-0.33	5.70e-05	0.0	-6.43e-04
3714	202	1.57	8.59	-0.61	-3.35e-04	0.0	-4.80e-05
3714	203	-5.44	-13.06	-0.16	4.85e-04	0.0	3.90e-04
3714	208	12.16	10.91	-0.33	5.80e-05	0.0	-7.48e-04
3714	234	1.71	10.01	-0.65	-3.93e-04	0.0	-4.99e-05
3714	235	-6.49	-15.28	-0.13	5.63e-04	0.0	4.66e-04
3715	4	0.57	0.52	-0.66	-1.36e-05	0.0	-1.93e-05
3715	44	0.50	-1.95	-0.51	1.20e-04	0.0	-2.30e-05
3715	68	0.40	0.34	-0.46	-8.37e-06	0.0	-1.41e-05
3715	88	0.35	-1.31	-0.36	8.07e-05	0.0	-1.65e-05
3715	98	0.33	-0.23	-0.37	2.14e-05	0.0	-1.42e-05
3715	105	0.31	-0.43	-0.35	3.17e-05	0.0	-1.41e-05
3715	107	0.31	-0.22	-0.36	1.98e-05	0.0	-1.37e-05
3715	112	9.48	8.45	-0.33	5.79e-05	0.0	-6.22e-04
3715	134	1.05	7.91	-0.58	-3.78e-04	0.0	-6.69e-05
3715	139	-4.88	-11.85	-0.18	4.20e-04	0.0	3.74e-04
3715	144	10.65	9.55	-0.33	6.26e-05	0.0	-6.99e-04
3715	166	1.14	8.93	-0.61	-4.28e-04	0.0	-7.41e-05
3715	171	-5.55	-13.32	-0.16	4.71e-04	0.0	4.24e-04
3715	176	10.58	9.42	-0.33	5.28e-05	0.0	-6.89e-04
3715	202	1.60	8.75	-0.61	-3.24e-04	0.0	-6.07e-05
3715	203	-5.56	-13.28	-0.16	4.65e-04	0.0	4.25e-04
3715	208	12.34	11.03	-0.33	5.33e-05	0.0	-8.02e-04
3715	234	1.75	10.19	-0.65	-3.80e-04	0.0	-6.58e-05
3715	235	-6.62	-15.55	-0.13	5.39e-04	0.0	5.09e-04
3716	4	0.35	0.55	-0.21	1.88e-05	0.0	-3.50e-06
3716	44	0.31	-1.54	-0.18	1.45e-04	0.0	-1.04e-05
3716	68	0.25	0.36	-0.15	1.45e-05	0.0	-2.75e-06
3716	88	0.22	-1.03	-0.13	9.85e-05	0.0	-7.32e-06
3716	98	0.21	-0.13	-0.13	3.84e-05	0.0	-4.62e-06
3716	105	0.20	-0.30	-0.13	4.77e-05	0.0	-4.99e-06
3716	107	0.20	-0.13	-0.13	3.64e-05	0.0	-4.49e-06
3716	112	8.13	6.90	0.10	1.27e-04	0.0	-5.65e-04
3716	114	-6.09	-2.15	-0.45	-5.39e-04	0.0	4.36e-04
3716	139	-4.29	-9.88	-0.05	9.45e-04	0.0	3.52e-04
3716	144	9.13	7.79	0.13	1.38e-04	0.0	-6.36e-04
3716	146	-6.88	-2.40	-0.49	-6.11e-04	0.0	4.91e-04
3716	171	-4.86	-11.11	-0.04	1.06e-03	0.0	3.98e-04
3716	176	9.08	7.70	0.13	1.27e-04	0.0	-6.28e-04
3716	178	-6.85	-2.35	-0.48	-5.95e-04	0.0	4.83e-04
3716	203	-4.88	-11.08	-0.05	1.05e-03	0.0	4.01e-04
3716	208	10.61	9.01	0.17	1.38e-04	0.0	-7.34e-04
3716	210	-8.06	-2.72	-0.54	-6.96e-04	0.0	5.64e-04
3716	235	-5.81	-12.97	-0.03	1.22e-03	0.0	4.78e-04
3717	4	0.35	0.54	-0.21	2.05e-05	0.0	-3.47e-06
3717	44	0.31	-1.54	-0.17	1.47e-04	0.0	-1.04e-05
3717	68	0.25	0.36	-0.15	1.58e-05	0.0	-2.73e-06
3717	88	0.22	-1.04	-0.13	9.99e-05	0.0	-7.32e-06
3717	98	0.21	-0.14	-0.13	3.97e-05	0.0	-4.62e-06
3717	105	0.20	-0.31	-0.13	4.90e-05	0.0	-4.99e-06
3717	107	0.20	-0.13	-0.13	3.77e-05	0.0	-4.49e-06
3717	112	8.13	6.59	0.01	1.10e-04	0.0	-5.65e-04
3717	114	-6.09	-1.88	-0.31	-5.04e-04	0.0	4.36e-04
3717	139	-4.29	-9.73	-0.08	9.12e-04	0.0	3.52e-04
3717	144	9.13	7.44	0.03	1.19e-04	0.0	-6.36e-04
3717	146	-6.88	-2.10	-0.34	-5.72e-04	0.0	4.91e-04
3717	171	-4.86	-10.95	-0.07	1.02e-03	0.0	3.98e-04
3717	176	9.08	7.35	0.03	1.09e-04	0.0	-6.28e-04
3717	178	-6.85	-2.05	-0.33	-5.56e-04	0.0	4.83e-04
3717	203	-4.88	-10.91	-0.08	1.01e-03	0.0	4.01e-04
3717	208	10.61	8.61	0.05	1.17e-04	0.0	-7.34e-04
3717	210	-8.06	-2.38	-0.37	-6.50e-04	0.0	5.64e-04
3717	235	-5.81	-12.76	-0.07	1.17e-03	0.0	4.78e-04
3718	4	0.42	0.54	-0.22	1.84e-05	0.0	-5.43e-06
3718	44	0.36	-1.61	-0.18	1.45e-04	0.0	-1.25e-05

3718	68	0.29	0.35	-0.16	1.43e-05	0.0	-4.16e-06
3718	88	0.25	-1.08	-0.14	9.86e-05	0.0	-8.85e-06
3718	98	0.24	-0.15	-0.14	3.83e-05	0.0	-6.05e-06
3718	105	0.23	-0.33	-0.13	4.77e-05	0.0	-6.39e-06
3718	107	0.23	-0.15	-0.14	3.64e-05	0.0	-5.88e-06
3718	112	8.41	7.17	0.10	1.12e-04	0.0	-5.97e-04
3718	114	-6.25	-2.21	-0.45	-4.69e-04	0.0	4.54e-04
3718	139	-4.40	-10.36	-0.06	8.40e-04	0.0	3.76e-04
3718	144	9.45	8.09	0.12	1.22e-04	0.0	-6.71e-04
3718	146	-7.08	-2.47	-0.49	-5.32e-04	0.0	5.12e-04
3718	171	-4.99	-11.65	-0.05	9.41e-04	0.0	4.25e-04
3718	176	9.40	7.99	0.12	1.12e-04	0.0	-6.63e-04
3718	178	-7.04	-2.41	-0.49	-5.17e-04	0.0	5.03e-04
3718	203	-5.01	-11.60	-0.05	9.30e-04	0.0	4.28e-04
3718	208	10.98	9.35	0.16	1.21e-04	0.0	-7.74e-04
3718	210	-8.29	-2.79	-0.54	-6.05e-04	0.0	5.87e-04
3718	235	-5.96	-13.58	-0.04	1.08e-03	0.0	5.11e-04
3719	4	0.42	0.53	-0.21	2.06e-05	0.0	-5.41e-06
3719	44	0.36	-1.62	-0.18	1.47e-04	0.0	-1.25e-05
3719	68	0.29	0.35	-0.16	1.59e-05	0.0	-4.15e-06
3719	88	0.25	-1.09	-0.13	1.00e-04	0.0	-8.87e-06
3719	98	0.24	-0.16	-0.14	3.99e-05	0.0	-6.05e-06
3719	105	0.23	-0.33	-0.13	4.92e-05	0.0	-6.40e-06
3719	107	0.23	-0.15	-0.13	3.78e-05	0.0	-5.88e-06
3719	112	8.41	6.84	5.44e-03	9.73e-05	0.0	-5.96e-04
3719	114	-6.25	-1.93	-0.32	-4.36e-04	0.0	4.54e-04
3719	139	-4.40	-10.19	-0.08	8.10e-04	0.0	3.76e-04
3719	144	9.45	7.72	0.02	1.05e-04	0.0	-6.71e-04
3719	146	-7.08	-2.16	-0.34	-4.96e-04	0.0	5.11e-04
3719	171	-4.99	-11.46	-0.08	9.07e-04	0.0	4.25e-04
3719	176	9.40	7.63	0.02	9.58e-05	0.0	-6.63e-04
3719	178	-7.04	-2.10	-0.34	-4.82e-04	0.0	5.03e-04
3719	203	-5.00	-11.41	-0.08	8.97e-04	0.0	4.28e-04
3719	208	10.98	8.93	0.05	1.02e-04	0.0	-7.74e-04
3719	210	-8.29	-2.43	-0.37	-5.65e-04	0.0	5.87e-04
3719	235	-5.96	-13.35	-0.07	1.04e-03	0.0	5.11e-04
3720	4	0.48	0.53	-0.24	1.79e-05	0.0	-7.90e-06
3720	44	0.41	-1.69	-0.20	1.45e-04	0.0	-1.47e-05
3720	68	0.34	0.34	-0.17	1.39e-05	0.0	-5.95e-06
3720	88	0.29	-1.14	-0.14	9.88e-05	0.0	-1.05e-05
3720	98	0.28	-0.17	-0.15	3.83e-05	0.0	-7.67e-06
3720	105	0.26	-0.35	-0.14	4.77e-05	0.0	-7.95e-06
3720	107	0.26	-0.17	-0.14	3.63e-05	0.0	-7.44e-06
3720	112	8.70	7.38	0.08	9.09e-05	0.0	-6.24e-04
3720	114	-6.42	-2.26	-0.45	-3.67e-04	0.0	4.68e-04
3720	139	-4.51	-10.76	-0.07	6.88e-04	0.0	3.97e-04
3720	144	9.77	8.34	0.10	9.77e-05	0.0	-7.02e-04
3720	146	-7.27	-2.52	-0.49	-4.17e-04	0.0	5.28e-04
3720	171	-5.12	-12.10	-0.06	7.70e-04	0.0	4.50e-04
3720	176	9.72	8.23	0.10	8.98e-05	0.0	-6.93e-04
3720	178	-7.23	-2.46	-0.48	-4.05e-04	0.0	5.19e-04
3720	203	-5.13	-12.05	-0.06	7.62e-04	0.0	4.53e-04
3720	208	11.34	9.64	0.14	9.56e-05	0.0	-8.10e-04
3720	210	-8.52	-2.84	-0.54	-4.75e-04	0.0	6.05e-04
3720	235	-6.12	-14.11	-0.05	8.84e-04	0.0	5.40e-04
3721	4	0.48	0.52	-0.22	2.06e-05	0.0	-7.94e-06
3721	44	0.41	-1.70	-0.18	1.47e-04	0.0	-1.48e-05
3721	68	0.34	0.34	-0.16	1.59e-05	0.0	-5.98e-06
3721	88	0.29	-1.14	-0.14	1.00e-04	0.0	-1.05e-05
3721	98	0.28	-0.18	-0.14	4.00e-05	0.0	-7.71e-06
3721	105	0.26	-0.36	-0.13	4.93e-05	0.0	-7.99e-06
3721	107	0.26	-0.17	-0.13	3.80e-05	0.0	-7.48e-06
3721	112	8.70	7.04	3.95e-03	7.91e-05	0.0	-6.23e-04
3721	114	-6.42	-1.97	-0.33	-3.40e-04	0.0	4.67e-04
3721	139	-4.51	-10.58	-0.09	6.65e-04	0.0	3.96e-04
3721	144	9.77	7.95	0.02	8.42e-05	0.0	-7.01e-04
3721	146	-7.27	-2.20	-0.35	-3.88e-04	0.0	5.27e-04
3721	171	-5.12	-11.90	-0.08	7.43e-04	0.0	4.48e-04
3721	176	9.72	7.85	0.02	7.70e-05	0.0	-6.92e-04
3721	178	-7.23	-2.15	-0.35	-3.76e-04	0.0	5.18e-04
3721	203	-5.13	-11.85	-0.08	7.35e-04	0.0	4.51e-04
3721	208	11.34	9.19	0.04	8.06e-05	0.0	-8.08e-04
3721	210	-8.52	-2.47	-0.38	-4.42e-04	0.0	6.05e-04
3721	235	-6.12	-13.86	-0.07	8.52e-04	0.0	5.38e-04
3722	4	0.56	0.52	-0.27	1.69e-05	0.0	-1.05e-05

3722	44	0.48	-1.77	-0.22	1.45e-04	0.0	-1.67e-05
3722	68	0.39	0.33	-0.19	1.33e-05	0.0	-7.84e-06
3722	88	0.34	-1.19	-0.16	9.88e-05	0.0	-1.20e-05
3722	98	0.32	-0.19	-0.16	3.81e-05	0.0	-9.27e-06
3722	105	0.30	-0.38	-0.16	4.76e-05	0.0	-9.47e-06
3722	107	0.30	-0.18	-0.16	3.61e-05	0.0	-8.99e-06
3722	109	9.03	2.37	0.11	2.92e-04	0.0	-6.36e-04
3722	114	-6.60	-2.29	-0.44	-2.40e-04	0.0	4.79e-04
3722	139	-4.62	-11.08	-0.08	4.98e-04	0.0	4.16e-04
3722	144	10.13	8.52	0.07	6.80e-05	0.0	-7.29e-04
3722	146	-7.48	-2.56	-0.48	-2.74e-04	0.0	5.41e-04
3722	171	-5.25	-12.46	-0.07	5.56e-04	0.0	4.71e-04
3722	176	10.07	8.41	0.07	6.22e-05	0.0	-7.19e-04
3722	178	-7.43	-2.50	-0.47	-2.66e-04	0.0	5.31e-04
3722	203	-5.27	-12.41	-0.07	5.51e-04	0.0	4.74e-04
3722	208	11.75	9.85	0.10	6.41e-05	0.0	-8.39e-04
3722	210	-8.77	-2.88	-0.52	-3.13e-04	0.0	6.19e-04
3722	235	-6.28	-14.51	-0.06	6.37e-04	0.0	5.66e-04
3723	4	0.54	0.51	-0.23	2.04e-05	0.0	-1.10e-05
3723	44	0.47	-1.77	-0.19	1.48e-04	0.0	-1.71e-05
3723	68	0.38	0.33	-0.16	1.58e-05	0.0	-8.17e-06
3723	88	0.33	-1.19	-0.14	1.01e-04	0.0	-1.23e-05
3723	98	0.31	-0.20	-0.14	4.01e-05	0.0	-9.53e-06
3723	105	0.30	-0.39	-0.14	4.94e-05	0.0	-9.71e-06
3723	107	0.30	-0.19	-0.14	3.81e-05	0.0	-9.24e-06
3723	112	9.01	7.19	4.83e-03	5.93e-05	0.0	-6.42e-04
3723	114	-6.60	-2.00	-0.33	-2.35e-04	0.0	4.76e-04
3723	139	-4.62	-10.89	-0.09	5.05e-04	0.0	4.09e-04
3723	144	10.11	8.12	0.02	6.19e-05	0.0	-7.22e-04
3723	146	-7.47	-2.24	-0.36	-2.69e-04	0.0	5.38e-04
3723	171	-5.25	-12.24	-0.08	5.64e-04	0.0	4.62e-04
3723	176	10.05	8.01	0.02	5.66e-05	0.0	-7.12e-04
3723	178	-7.43	-2.18	-0.35	-2.61e-04	0.0	5.28e-04
3723	203	-5.27	-12.18	-0.08	5.58e-04	0.0	4.65e-04
3723	208	11.73	9.38	0.05	5.75e-05	0.0	-8.31e-04
3723	210	-8.76	-2.51	-0.39	-3.08e-04	0.0	6.16e-04
3723	235	-6.28	-14.24	-0.08	6.46e-04	0.0	5.56e-04
3724	4	0.35	0.54	-0.21	2.25e-05	0.0	-3.41e-06
3724	44	0.31	-1.55	-0.17	1.49e-04	0.0	-1.04e-05
3724	68	0.25	0.35	-0.15	1.73e-05	0.0	-2.69e-06
3724	88	0.22	-1.04	-0.13	1.02e-04	0.0	-7.37e-06
3724	98	0.21	-0.14	-0.13	4.12e-05	0.0	-4.63e-06
3724	105	0.20	-0.31	-0.12	5.05e-05	0.0	-5.01e-06
3724	107	0.20	-0.13	-0.13	3.92e-05	0.0	-4.50e-06
3724	112	8.12	6.29	-0.05	9.22e-05	0.0	-5.65e-04
3724	114	-6.09	-1.61	-0.23	-4.66e-04	0.0	4.35e-04
3724	139	-4.29	-9.59	-0.10	8.77e-04	0.0	3.52e-04
3724	144	9.13	7.10	-0.04	9.88e-05	0.0	-6.36e-04
3724	146	-6.88	-1.80	-0.25	-5.29e-04	0.0	4.91e-04
3724	171	-4.86	-10.78	-0.09	9.81e-04	0.0	3.98e-04
3724	176	9.08	7.01	-0.04	8.95e-05	0.0	-6.28e-04
3724	178	-6.85	-1.76	-0.24	-5.14e-04	0.0	4.83e-04
3724	203	-4.88	-10.74	-0.10	9.70e-04	0.0	4.00e-04
3724	208	10.61	8.21	-0.03	9.41e-05	0.0	-7.34e-04
3724	210	-8.06	-2.03	-0.26	-6.02e-04	0.0	5.64e-04
3724	235	-5.81	-12.56	-0.09	1.13e-03	0.0	4.78e-04
3725	4	0.42	0.53	-0.21	2.31e-05	0.0	-5.39e-06
3725	44	0.36	-1.63	-0.18	1.49e-04	0.0	-1.27e-05
3725	68	0.29	0.34	-0.15	1.77e-05	0.0	-4.14e-06
3725	88	0.25	-1.09	-0.13	1.02e-04	0.0	-9.01e-06
3725	98	0.24	-0.16	-0.13	4.16e-05	0.0	-6.11e-06
3725	105	0.23	-0.34	-0.13	5.08e-05	0.0	-6.47e-06
3725	107	0.23	-0.15	-0.13	3.95e-05	0.0	-5.94e-06
3725	112	8.41	6.51	-0.05	8.20e-05	0.0	-5.96e-04
3725	114	-6.25	-1.65	-0.24	-4.04e-04	0.0	4.53e-04
3725	139	-4.40	-10.03	-0.10	7.81e-04	0.0	3.75e-04
3725	144	9.45	7.35	-0.04	8.73e-05	0.0	-6.70e-04
3725	146	-7.07	-1.85	-0.26	-4.59e-04	0.0	5.11e-04
3725	171	-4.99	-11.28	-0.10	8.74e-04	0.0	4.24e-04
3725	176	9.40	7.26	-0.04	7.91e-05	0.0	-6.62e-04
3725	178	-7.03	-1.80	-0.25	-4.46e-04	0.0	5.02e-04
3725	203	-5.00	-11.23	-0.10	8.64e-04	0.0	4.27e-04
3725	208	10.97	8.51	-0.03	8.24e-05	0.0	-7.73e-04
3725	210	-8.29	-2.07	-0.27	-5.23e-04	0.0	5.86e-04
3725	235	-5.96	-13.13	-0.09	1.00e-03	0.0	5.10e-04

3726	4	0.48	0.52	-0.22	2.37e-05	0.0	-8.06e-06
3726	44	0.41	-1.71	-0.19	1.50e-04	0.0	-1.51e-05
3726	68	0.34	0.34	-0.16	1.81e-05	0.0	-6.07e-06
3726	88	0.29	-1.15	-0.14	1.02e-04	0.0	-1.08e-05
3726	98	0.28	-0.18	-0.14	4.19e-05	0.0	-7.86e-06
3726	105	0.26	-0.36	-0.13	5.12e-05	0.0	-8.15e-06
3726	107	0.26	-0.17	-0.13	3.98e-05	0.0	-7.63e-06
3726	112	8.70	6.70	-0.05	6.79e-05	0.0	-6.20e-04
3726	114	-6.43	-1.69	-0.25	-3.18e-04	0.0	4.66e-04
3726	139	-4.51	-10.41	-0.10	6.50e-04	0.0	3.92e-04
3726	144	9.77	7.57	-0.04	7.15e-05	0.0	-6.97e-04
3726	146	-7.27	-1.88	-0.26	-3.63e-04	0.0	5.25e-04
3726	171	-5.12	-11.70	-0.10	7.26e-04	0.0	4.43e-04
3726	176	9.72	7.47	-0.04	6.50e-05	0.0	-6.88e-04
3726	178	-7.23	-1.83	-0.26	-3.53e-04	0.0	5.16e-04
3726	203	-5.13	-11.64	-0.10	7.18e-04	0.0	4.46e-04
3726	208	11.35	8.75	-0.03	6.65e-05	0.0	-8.03e-04
3726	210	-8.52	-2.11	-0.28	-4.15e-04	0.0	6.02e-04
3726	235	-6.12	-13.61	-0.10	8.32e-04	0.0	5.33e-04
3727	4	0.54	0.51	-0.22	2.42e-05	0.0	-1.13e-05
3727	44	0.46	-1.78	-0.19	1.50e-04	0.0	-1.77e-05
3727	68	0.38	0.33	-0.16	1.84e-05	0.0	-8.41e-06
3727	88	0.33	-1.20	-0.14	1.03e-04	0.0	-1.26e-05
3727	98	0.31	-0.21	-0.14	4.22e-05	0.0	-9.80e-06
3727	105	0.29	-0.39	-0.13	5.14e-05	0.0	-9.98e-06
3727	107	0.29	-0.20	-0.14	4.01e-05	0.0	-9.50e-06
3727	112	8.99	6.84	-0.05	5.29e-05	0.0	-6.33e-04
3727	114	-6.60	-1.72	-0.25	-2.26e-04	0.0	4.72e-04
3727	139	-4.62	-10.71	-0.11	5.08e-04	0.0	3.99e-04
3727	144	10.09	7.72	-0.04	5.46e-05	0.0	-7.12e-04
3727	146	-7.47	-1.91	-0.26	-2.60e-04	0.0	5.33e-04
3727	171	-5.25	-12.04	-0.10	5.67e-04	0.0	4.51e-04
3727	176	10.03	7.62	-0.04	4.98e-05	0.0	-7.03e-04
3727	178	-7.42	-1.86	-0.26	-2.52e-04	0.0	5.23e-04
3727	203	-5.26	-11.98	-0.10	5.61e-04	0.0	4.54e-04
3727	208	11.71	8.93	-0.03	4.95e-05	0.0	-8.20e-04
3727	210	-8.75	-2.14	-0.28	-2.98e-04	0.0	6.11e-04
3727	235	-6.28	-14.00	-0.10	6.48e-04	0.0	5.42e-04
3728	4	0.35	0.54	-0.22	2.44e-05	0.0	-3.55e-06
3728	44	0.31	-1.56	-0.19	1.51e-04	0.0	-1.08e-05
3728	68	0.25	0.35	-0.16	1.87e-05	0.0	-2.79e-06
3728	88	0.22	-1.04	-0.14	1.03e-04	0.0	-7.61e-06
3728	98	0.21	-0.14	-0.14	4.28e-05	0.0	-4.79e-06
3728	105	0.20	-0.31	-0.13	5.21e-05	0.0	-5.18e-06
3728	107	0.20	-0.14	-0.14	4.07e-05	0.0	-4.65e-06
3728	112	8.12	5.98	-0.09	7.53e-05	0.0	-5.65e-04
3728	114	-6.09	-1.35	-0.20	-4.30e-04	0.0	4.35e-04
3728	139	-4.29	-9.45	-0.12	8.43e-04	0.0	3.51e-04
3728	144	9.13	6.75	-0.09	7.96e-05	0.0	-6.35e-04
3728	146	-6.88	-1.50	-0.20	-4.88e-04	0.0	4.90e-04
3728	171	-4.86	-10.62	-0.11	9.44e-04	0.0	3.98e-04
3728	176	9.08	6.67	-0.09	7.10e-05	0.0	-6.28e-04
3728	178	-6.84	-1.46	-0.20	-4.74e-04	0.0	4.83e-04
3728	203	-4.88	-10.57	-0.11	9.33e-04	0.0	4.00e-04
3728	208	10.61	7.81	-0.08	7.25e-05	0.0	-7.34e-04
3728	210	-8.06	-1.69	-0.21	-5.56e-04	0.0	5.63e-04
3728	235	-5.81	-12.36	-0.11	1.08e-03	0.0	4.78e-04
3729	4	0.42	0.53	-0.23	2.57e-05	0.0	-5.63e-06
3729	44	0.36	-1.63	-0.20	1.52e-04	0.0	-1.33e-05
3729	68	0.29	0.34	-0.17	1.96e-05	0.0	-4.33e-06
3729	88	0.25	-1.10	-0.15	1.04e-04	0.0	-9.44e-06
3729	98	0.24	-0.16	-0.15	4.34e-05	0.0	-6.40e-06
3729	105	0.23	-0.34	-0.14	5.26e-05	0.0	-6.77e-06
3729	107	0.23	-0.16	-0.14	4.13e-05	0.0	-6.22e-06
3729	112	8.41	6.19	-0.10	6.79e-05	0.0	-5.95e-04
3729	114	-6.25	-1.38	-0.20	-3.74e-04	0.0	4.52e-04
3729	139	-4.40	-9.87	-0.12	7.57e-04	0.0	3.74e-04
3729	144	9.45	6.99	-0.09	7.12e-05	0.0	-6.69e-04
3729	146	-7.07	-1.53	-0.21	-4.26e-04	0.0	5.10e-04
3729	171	-4.99	-11.10	-0.12	8.46e-04	0.0	4.23e-04
3729	176	9.39	6.90	-0.09	6.37e-05	0.0	-6.61e-04
3729	178	-7.03	-1.49	-0.21	-4.14e-04	0.0	5.01e-04
3729	203	-5.00	-11.04	-0.12	8.36e-04	0.0	4.26e-04
3729	208	10.97	8.08	-0.09	6.44e-05	0.0	-7.72e-04
3729	210	-8.29	-1.72	-0.22	-4.86e-04	0.0	5.85e-04

3729	235	-5.96	-12.90	-0.12	9.69e-04	0.0	5.09e-04
3730	4	0.48	0.51	-0.24	2.70e-05	0.0	-8.33e-06
3730	44	0.41	-1.71	-0.20	1.53e-04	0.0	-1.59e-05
3730	68	0.33	0.33	-0.17	2.05e-05	0.0	-6.28e-06
3730	88	0.29	-1.15	-0.15	1.04e-04	0.0	-1.13e-05
3730	98	0.28	-0.19	-0.15	4.40e-05	0.0	-8.20e-06
3730	105	0.26	-0.37	-0.14	5.31e-05	0.0	-8.51e-06
3730	107	0.26	-0.18	-0.14	4.18e-05	0.0	-7.96e-06
3730	112	8.70	6.36	-0.10	5.76e-05	0.0	-6.17e-04
3730	114	-6.43	-1.41	-0.21	-2.98e-04	0.0	4.64e-04
3730	139	-4.51	-10.24	-0.12	6.37e-04	0.0	3.89e-04
3730	144	9.77	7.19	-0.09	5.96e-05	0.0	-6.94e-04
3730	146	-7.27	-1.56	-0.22	-3.41e-04	0.0	5.23e-04
3730	171	-5.12	-11.51	-0.12	7.12e-04	0.0	4.40e-04
3730	176	9.72	7.10	-0.10	5.38e-05	0.0	-6.86e-04
3730	178	-7.23	-1.52	-0.21	-3.31e-04	0.0	5.14e-04
3730	203	-5.13	-11.45	-0.12	7.04e-04	0.0	4.44e-04
3730	208	11.35	8.31	-0.09	5.33e-05	0.0	-8.00e-04
3730	210	-8.52	-1.74	-0.23	-3.90e-04	0.0	6.00e-04
3730	235	-6.12	-13.37	-0.12	8.15e-04	0.0	5.30e-04
3731	4	0.53	0.50	-0.24	2.79e-05	0.0	-1.15e-05
3731	44	0.46	-1.80	-0.21	1.53e-04	0.0	-1.84e-05
3731	68	0.37	0.32	-0.17	2.11e-05	0.0	-8.57e-06
3731	88	0.32	-1.21	-0.15	1.05e-04	0.0	-1.31e-05
3731	98	0.31	-0.21	-0.15	4.44e-05	0.0	-1.01e-05
3731	105	0.29	-0.40	-0.14	5.35e-05	0.0	-1.03e-05
3731	107	0.29	-0.20	-0.15	4.22e-05	0.0	-9.80e-06
3731	112	8.98	6.49	-0.10	4.64e-05	0.0	-6.31e-04
3731	114	-6.59	-1.43	-0.21	-2.16e-04	0.0	4.70e-04
3731	139	-4.62	-10.54	-0.12	5.08e-04	0.0	3.96e-04
3731	144	10.09	7.34	-0.09	4.70e-05	0.0	-7.09e-04
3731	146	-7.47	-1.59	-0.22	-2.48e-04	0.0	5.31e-04
3731	171	-5.25	-11.84	-0.12	5.66e-04	0.0	4.48e-04
3731	176	10.03	7.24	-0.10	4.28e-05	0.0	-7.00e-04
3731	178	-7.42	-1.54	-0.22	-2.41e-04	0.0	5.21e-04
3731	203	-5.26	-11.78	-0.12	5.60e-04	0.0	4.51e-04
3731	208	11.70	8.48	-0.09	4.12e-05	0.0	-8.17e-04
3731	210	-8.75	-1.77	-0.23	-2.86e-04	0.0	6.09e-04
3731	235	-6.28	-13.75	-0.12	6.47e-04	0.0	5.39e-04
3732	4	0.35	0.54	-0.27	2.65e-05	0.0	-4.44e-06
3732	44	0.31	-1.56	-0.23	1.54e-04	0.0	-1.17e-05
3732	68	0.25	0.35	-0.19	2.03e-05	0.0	-3.42e-06
3732	88	0.22	-1.05	-0.17	1.05e-04	0.0	-8.27e-06
3732	98	0.21	-0.14	-0.16	4.45e-05	0.0	-5.38e-06
3732	105	0.20	-0.32	-0.16	5.38e-05	0.0	-5.74e-06
3732	107	0.20	-0.14	-0.16	4.24e-05	0.0	-5.22e-06
3732	112	8.12	5.67	-0.14	5.94e-05	0.0	-5.66e-04
3732	114	-6.08	-1.08	-0.20	-3.94e-04	0.0	4.34e-04
3732	139	-4.29	-9.30	-0.14	8.10e-04	0.0	3.52e-04
3732	144	9.12	6.41	-0.13	6.16e-05	0.0	-6.37e-04
3732	146	-6.88	-1.20	-0.20	-4.48e-04	0.0	4.90e-04
3732	171	-4.86	-10.46	-0.14	9.06e-04	0.0	3.98e-04
3732	176	9.08	6.33	-0.14	5.36e-05	0.0	-6.29e-04
3732	178	-6.84	-1.17	-0.20	-4.35e-04	0.0	4.82e-04
3732	203	-4.88	-10.40	-0.14	8.94e-04	0.0	4.01e-04
3732	208	10.61	7.41	-0.13	5.21e-05	0.0	-7.35e-04
3732	210	-8.06	-1.34	-0.21	-5.10e-04	0.0	5.63e-04
3732	235	-5.81	-12.15	-0.13	1.04e-03	0.0	4.79e-04
3733	4	0.42	0.52	-0.28	2.84e-05	0.0	-6.78e-06
3733	44	0.36	-1.64	-0.24	1.55e-04	0.0	-1.48e-05
3733	68	0.29	0.34	-0.20	2.16e-05	0.0	-5.14e-06
3733	88	0.25	-1.10	-0.17	1.06e-04	0.0	-1.05e-05
3733	98	0.24	-0.17	-0.17	4.53e-05	0.0	-7.24e-06
3733	105	0.23	-0.34	-0.16	5.45e-05	0.0	-7.60e-06
3733	107	0.23	-0.16	-0.16	4.31e-05	0.0	-7.02e-06
3733	112	8.41	5.87	-0.14	5.45e-05	0.0	-5.96e-04
3733	114	-6.25	-1.10	-0.20	-3.45e-04	0.0	4.51e-04
3733	139	-4.40	-9.71	-0.14	7.32e-04	0.0	3.75e-04
3733	144	9.45	6.62	-0.14	5.59e-05	0.0	-6.71e-04
3733	146	-7.07	-1.22	-0.21	-3.93e-04	0.0	5.08e-04
3733	171	-4.99	-10.92	-0.14	8.18e-04	0.0	4.24e-04
3733	176	9.39	6.54	-0.14	4.91e-05	0.0	-6.63e-04
3733	178	-7.03	-1.19	-0.21	-3.81e-04	0.0	5.00e-04
3733	203	-5.00	-10.86	-0.14	8.08e-04	0.0	4.27e-04
3733	208	10.97	7.66	-0.14	4.72e-05	0.0	-7.74e-04

3733	210	-8.29	-1.36	-0.21	-4.49e-04	0.0	5.84e-04
3733	235	-5.96	-12.68	-0.14	9.35e-04	0.0	5.11e-04
3734	4	0.48	0.51	-0.28	3.03e-05	0.0	-9.10e-06
3734	44	0.41	-1.72	-0.24	1.56e-04	0.0	-1.73e-05
3734	68	0.33	0.33	-0.20	2.29e-05	0.0	-6.84e-06
3734	88	0.29	-1.16	-0.18	1.06e-04	0.0	-1.23e-05
3734	98	0.28	-0.19	-0.17	4.60e-05	0.0	-8.91e-06
3734	105	0.26	-0.37	-0.17	5.51e-05	0.0	-9.24e-06
3734	107	0.26	-0.18	-0.17	4.38e-05	0.0	-8.65e-06
3734	112	8.70	6.03	-0.15	4.75e-05	0.0	-6.19e-04
3734	114	-6.43	-1.13	-0.21	-2.78e-04	0.0	4.62e-04
3734	139	-4.51	-10.07	-0.15	6.24e-04	0.0	3.91e-04
3734	144	9.77	6.81	-0.14	4.79e-05	0.0	-6.96e-04
3734	146	-7.27	-1.25	-0.21	-3.18e-04	0.0	5.21e-04
3734	171	-5.12	-11.32	-0.14	6.97e-04	0.0	4.43e-04
3734	176	9.72	6.72	-0.14	4.27e-05	0.0	-6.87e-04
3734	178	-7.23	-1.21	-0.21	-3.08e-04	0.0	5.12e-04
3734	203	-5.13	-11.25	-0.14	6.89e-04	0.0	4.46e-04
3734	208	11.35	7.87	-0.14	4.03e-05	0.0	-8.02e-04
3734	210	-8.52	-1.38	-0.22	-3.64e-04	0.0	5.98e-04
3734	235	-6.12	-13.13	-0.14	7.97e-04	0.0	5.33e-04
3735	4	0.53	0.49	-0.29	3.16e-05	0.0	-1.16e-05
3735	44	0.46	-1.81	-0.24	1.56e-04	0.0	-1.93e-05
3735	68	0.37	0.32	-0.21	2.37e-05	0.0	-8.64e-06
3735	88	0.32	-1.22	-0.18	1.06e-04	0.0	-1.38e-05
3735	98	0.31	-0.22	-0.18	4.64e-05	0.0	-1.04e-05
3735	105	0.29	-0.40	-0.17	5.54e-05	0.0	-1.07e-05
3735	107	0.29	-0.21	-0.17	4.42e-05	0.0	-1.01e-05
3735	112	8.98	6.15	-0.15	3.95e-05	0.0	-6.32e-04
3735	114	-6.59	-1.15	-0.21	-2.06e-04	0.0	4.69e-04
3735	139	-4.62	-10.36	-0.15	5.07e-04	0.0	3.98e-04
3735	144	10.08	6.95	-0.14	3.90e-05	0.0	-7.11e-04
3735	146	-7.46	-1.27	-0.21	-2.37e-04	0.0	5.29e-04
3735	171	-5.25	-11.64	-0.15	5.65e-04	0.0	4.51e-04
3735	176	10.02	6.86	-0.14	3.55e-05	0.0	-7.01e-04
3735	178	-7.42	-1.23	-0.21	-2.30e-04	0.0	5.20e-04
3735	203	-5.26	-11.57	-0.15	5.60e-04	0.0	4.54e-04
3735	208	11.69	8.03	-0.14	3.26e-05	0.0	-8.18e-04
3735	210	-8.74	-1.40	-0.22	-2.74e-04	0.0	6.07e-04
3735	235	-6.27	-13.51	-0.14	6.46e-04	0.0	5.43e-04
3736	4	0.35	0.54	-0.34	2.93e-05	0.0	-7.17e-06
3736	44	0.31	-1.57	-0.29	1.58e-04	0.0	-1.39e-05
3736	68	0.25	0.35	-0.25	2.23e-05	0.0	-5.32e-06
3736	88	0.22	-1.05	-0.21	1.08e-04	0.0	-9.82e-06
3736	98	0.21	-0.15	-0.20	4.68e-05	0.0	-6.93e-06
3736	105	0.20	-0.32	-0.20	5.61e-05	0.0	-7.19e-06
3736	107	0.20	-0.14	-0.20	4.46e-05	0.0	-6.69e-06
3736	112	8.12	5.37	-0.19	4.52e-05	0.0	-5.68e-04
3736	134	0.81	6.99	-0.23	-6.82e-04	0.0	-6.01e-05
3736	139	-4.28	-9.16	-0.17	7.72e-04	0.0	3.53e-04
3736	144	9.12	6.06	-0.19	4.53e-05	0.0	-6.40e-04
3736	166	0.88	7.89	-0.24	-7.73e-04	0.0	-6.74e-05
3736	171	-4.86	-10.30	-0.17	8.63e-04	0.0	3.99e-04
3736	176	9.07	5.99	-0.19	3.79e-05	0.0	-6.32e-04
3736	198	0.88	7.82	-0.24	-7.61e-04	0.0	-7.01e-05
3736	203	-4.88	-10.23	-0.17	8.52e-04	0.0	4.03e-04
3736	208	10.60	7.01	-0.19	3.36e-05	0.0	-7.38e-04
3736	230	0.99	9.15	-0.24	-8.93e-04	0.0	-8.45e-05
3736	235	-5.81	-11.95	-0.16	9.87e-04	0.0	4.81e-04
3737	4	0.42	0.52	-0.36	3.10e-05	0.0	-9.94e-06
3737	44	0.36	-1.65	-0.30	1.58e-04	0.0	-1.77e-05
3737	68	0.29	0.34	-0.25	2.35e-05	0.0	-7.35e-06
3737	88	0.25	-1.11	-0.22	1.08e-04	0.0	-1.25e-05
3737	98	0.24	-0.17	-0.21	4.73e-05	0.0	-9.17e-06
3737	105	0.23	-0.35	-0.20	5.65e-05	0.0	-9.42e-06
3737	107	0.23	-0.16	-0.20	4.51e-05	0.0	-8.85e-06
3737	112	8.41	5.54	-0.20	4.19e-05	0.0	-6.01e-04
3737	134	0.86	7.28	-0.24	-6.12e-04	0.0	-7.61e-05
3737	139	-4.40	-9.55	-0.18	7.03e-04	0.0	3.79e-04
3737	144	9.44	6.26	-0.20	4.15e-05	0.0	-6.76e-04
3737	166	0.94	8.21	-0.25	-6.94e-04	0.0	-8.52e-05
3737	171	-4.99	-10.74	-0.17	7.86e-04	0.0	4.29e-04
3737	176	9.39	6.18	-0.20	3.54e-05	0.0	-6.68e-04
3737	198	0.94	8.15	-0.25	-6.83e-04	0.0	-8.86e-05
3737	203	-5.00	-10.67	-0.17	7.76e-04	0.0	4.32e-04

3737	208	10.97	7.24	-0.19	3.10e-05	0.0	-7.79e-04
3737	230	1.05	9.53	-0.25	-8.03e-04	0.0	-1.06e-04
3737	235	-5.96	-12.45	-0.17	8.98e-04	0.0	5.17e-04
3738	4	0.48	0.50	-0.37	3.28e-05	0.0	-1.09e-05
3738	44	0.41	-1.73	-0.31	1.58e-04	0.0	-1.96e-05
3738	68	0.33	0.32	-0.26	2.47e-05	0.0	-8.13e-06
3738	88	0.29	-1.17	-0.22	1.08e-04	0.0	-1.39e-05
3738	98	0.28	-0.20	-0.22	4.77e-05	0.0	-1.02e-05
3738	105	0.26	-0.38	-0.21	5.68e-05	0.0	-1.05e-05
3738	107	0.26	-0.19	-0.21	4.55e-05	0.0	-9.91e-06
3738	112	8.70	5.69	-0.20	3.72e-05	0.0	-6.23e-04
3738	134	0.92	7.53	-0.25	-5.17e-04	0.0	-8.63e-05
3738	139	-4.51	-9.90	-0.18	6.09e-04	0.0	3.97e-04
3738	144	9.77	6.43	-0.20	3.62e-05	0.0	-7.01e-04
3738	166	1.00	8.49	-0.25	-5.87e-04	0.0	-9.66e-05
3738	171	-5.12	-11.12	-0.18	6.80e-04	0.0	4.49e-04
3738	176	9.72	6.34	-0.20	3.16e-05	0.0	-6.92e-04
3738	198	0.99	8.42	-0.25	-5.78e-04	0.0	-1.00e-04
3738	203	-5.13	-11.05	-0.18	6.72e-04	0.0	4.53e-04
3738	208	11.35	7.43	-0.20	2.73e-05	0.0	-8.08e-04
3738	230	1.11	9.86	-0.26	-6.80e-04	0.0	-1.20e-04
3738	235	-6.12	-12.89	-0.17	7.77e-04	0.0	5.41e-04
3739	4	0.53	0.49	-0.37	3.45e-05	0.0	-1.14e-05
3739	44	0.46	-1.82	-0.31	1.58e-04	0.0	-2.02e-05
3739	68	0.37	0.31	-0.26	2.58e-05	0.0	-8.56e-06
3739	88	0.32	-1.22	-0.22	1.08e-04	0.0	-1.44e-05
3739	98	0.30	-0.22	-0.22	4.81e-05	0.0	-1.07e-05
3739	105	0.29	-0.41	-0.21	5.69e-05	0.0	-1.11e-05
3739	107	0.29	-0.21	-0.21	4.57e-05	0.0	-1.04e-05
3739	112	8.98	5.80	-0.20	-1.96e-04	0.0	-6.35e-04
3739	134	0.97	7.73	-0.25	-3.46e-04	0.0	-8.87e-05
3739	139	-4.62	-10.19	-0.18	5.08e-04	0.0	4.04e-04
3739	144	10.08	6.56	-0.20	-2.26e-04	0.0	-7.14e-04
3739	166	1.05	8.72	-0.26	-3.95e-04	0.0	-9.92e-05
3739	171	-5.25	-11.44	-0.18	5.66e-04	0.0	4.58e-04
3739	176	10.02	6.47	-0.20	-2.20e-04	0.0	-7.05e-04
3739	198	1.05	8.65	-0.26	-3.90e-04	0.0	-1.03e-04
3739	203	-5.26	-11.37	-0.18	5.60e-04	0.0	4.61e-04
3739	208	11.69	7.58	-0.20	-2.63e-04	0.0	-8.22e-04
3739	230	1.17	10.12	-0.26	-4.63e-04	0.0	-1.23e-04
3739	235	-6.27	-13.26	-0.17	6.46e-04	0.0	5.51e-04
3740	4	0.35	0.53	-0.47	3.39e-05	0.0	-1.34e-05
3740	44	0.31	-1.58	-0.39	1.64e-04	0.0	-1.84e-05
3740	68	0.25	0.35	-0.33	2.56e-05	0.0	-9.65e-06
3740	88	0.22	-1.06	-0.28	1.12e-04	0.0	-1.30e-05
3740	98	0.21	-0.15	-0.27	5.02e-05	0.0	-1.03e-05
3740	105	0.20	-0.32	-0.26	5.95e-05	0.0	-1.03e-05
3740	107	0.20	-0.14	-0.26	4.79e-05	0.0	-9.84e-06
3740	112	8.11	5.06	-0.26	3.34e-05	0.0	-5.74e-04
3740	134	0.81	7.02	-0.31	-6.31e-04	0.0	-6.70e-05
3740	139	-4.28	-9.02	-0.21	7.28e-04	0.0	3.54e-04
3740	144	9.11	5.71	-0.26	3.16e-05	0.0	-6.45e-04
3740	166	0.88	7.91	-0.32	-7.16e-04	0.0	-7.48e-05
3740	171	-4.85	-10.13	-0.21	8.13e-04	0.0	4.01e-04
3740	176	9.07	5.64	-0.26	2.49e-05	0.0	-6.37e-04
3740	198	0.88	7.84	-0.32	-7.05e-04	0.0	-7.78e-05
3740	203	-4.87	-10.06	-0.21	8.03e-04	0.0	4.05e-04
3740	208	10.60	6.61	-0.26	1.80e-05	0.0	-7.44e-04
3740	230	0.99	9.17	-0.33	-8.28e-04	0.0	-9.31e-05
3740	235	-5.80	-11.74	-0.20	9.28e-04	0.0	4.84e-04
3741	4	0.42	0.51	-0.48	3.32e-05	0.0	-1.61e-05
3741	44	0.36	-1.66	-0.40	1.62e-04	0.0	-2.26e-05
3741	68	0.29	0.33	-0.34	2.51e-05	0.0	-1.16e-05
3741	88	0.25	-1.12	-0.29	1.11e-04	0.0	-1.60e-05
3741	98	0.24	-0.18	-0.28	4.93e-05	0.0	-1.26e-05
3741	105	0.23	-0.36	-0.27	5.85e-05	0.0	-1.26e-05
3741	107	0.23	-0.17	-0.27	4.70e-05	0.0	-1.21e-05
3741	112	8.41	5.21	-0.27	3.00e-05	0.0	-6.08e-04
3741	134	0.86	7.28	-0.32	-5.75e-04	0.0	-8.77e-05
3741	139	-4.40	-9.39	-0.22	6.70e-04	0.0	3.85e-04
3741	144	9.44	5.89	-0.27	2.79e-05	0.0	-6.83e-04
3741	166	0.94	8.22	-0.33	-6.53e-04	0.0	-9.79e-05
3741	171	-4.99	-10.54	-0.22	7.48e-04	0.0	4.36e-04
3741	176	9.39	5.81	-0.27	2.25e-05	0.0	-6.75e-04
3741	198	0.93	8.15	-0.33	-6.43e-04	0.0	-1.02e-04

3741	203	-5.00	-10.47	-0.22	7.39e-04	0.0	4.40e-04
3741	208	10.97	6.81	-0.27	1.59e-05	0.0	-7.87e-04
3741	230	1.05	9.53	-0.34	-7.55e-04	0.0	-1.21e-04
3741	235	-5.96	-12.22	-0.21	8.54e-04	0.0	5.26e-04
3742	4	0.48	0.50	-0.49	3.30e-05	0.0	-1.42e-05
3742	44	0.41	-1.75	-0.41	1.59e-04	0.0	-2.27e-05
3742	68	0.33	0.32	-0.35	2.49e-05	0.0	-1.04e-05
3742	88	0.29	-1.18	-0.29	1.09e-04	0.0	-1.61e-05
3742	98	0.28	-0.20	-0.29	4.83e-05	0.0	-1.22e-05
3742	105	0.26	-0.39	-0.27	5.74e-05	0.0	-1.24e-05
3742	107	0.26	-0.19	-0.27	4.61e-05	0.0	-1.18e-05
3742	112	8.70	5.34	-0.27	2.59e-05	0.0	-6.29e-04
3742	134	0.92	7.52	-0.33	-5.00e-04	0.0	-9.80e-05
3742	139	-4.51	-9.72	-0.23	5.94e-04	0.0	4.06e-04
3742	144	9.77	6.04	-0.27	2.34e-05	0.0	-7.07e-04
3742	166	1.00	8.49	-0.34	-5.68e-04	0.0	-1.10e-04
3742	171	-5.12	-10.91	-0.22	6.62e-04	0.0	4.59e-04
3742	176	9.72	5.96	-0.28	1.96e-05	0.0	-6.98e-04
3742	198	0.99	8.42	-0.34	-5.59e-04	0.0	-1.14e-04
3742	203	-5.13	-10.84	-0.22	6.54e-04	0.0	4.63e-04
3742	208	11.35	6.98	-0.28	1.35e-05	0.0	-8.14e-04
3742	230	1.11	9.84	-0.35	-6.59e-04	0.0	-1.35e-04
3742	235	-6.12	-12.64	-0.21	7.56e-04	0.0	5.53e-04
3743	4	0.53	0.48	-0.50	3.52e-05	0.0	-1.13e-05
3743	44	0.46	-1.83	-0.41	1.58e-04	0.0	-2.11e-05
3743	68	0.37	0.31	-0.35	2.64e-05	0.0	-8.47e-06
3743	88	0.32	-1.23	-0.30	1.08e-04	0.0	-1.50e-05
3743	98	0.31	-0.23	-0.29	4.85e-05	0.0	-1.10e-05
3743	105	0.29	-0.42	-0.27	5.73e-05	0.0	-1.14e-05
3743	107	0.29	-0.22	-0.28	4.62e-05	0.0	-1.07e-05
3743	112	8.98	5.45	-0.28	-1.89e-04	0.0	-6.38e-04
3743	134	0.97	7.73	-0.34	-3.53e-04	0.0	-9.68e-05
3743	139	-4.62	-10.00	-0.23	5.11e-04	0.0	4.13e-04
3743	144	10.08	6.16	-0.28	-2.19e-04	0.0	-7.17e-04
3743	166	1.05	8.72	-0.34	-4.03e-04	0.0	-1.08e-04
3743	171	-5.25	-11.24	-0.22	5.69e-04	0.0	4.67e-04
3743	176	10.02	6.08	-0.28	-2.13e-04	0.0	-7.08e-04
3743	198	1.05	8.64	-0.34	-3.98e-04	0.0	-1.12e-04
3743	203	-5.26	-11.15	-0.22	5.63e-04	0.0	4.71e-04
3743	208	11.69	7.13	-0.28	-2.55e-04	0.0	-8.25e-04
3743	230	1.17	10.11	-0.35	-4.71e-04	0.0	-1.34e-04
3743	235	-6.27	-13.00	-0.21	6.49e-04	0.0	5.62e-04
3744	4	0.35	0.52	-0.65	4.24e-05	0.0	-2.50e-05
3744	44	0.31	-1.59	-0.53	1.73e-04	0.0	-2.61e-05
3744	68	0.25	0.34	-0.46	3.16e-05	0.0	-1.76e-05
3744	88	0.22	-1.07	-0.38	1.19e-04	0.0	-1.84e-05
3744	98	0.21	-0.16	-0.37	5.58e-05	0.0	-1.62e-05
3744	105	0.20	-0.33	-0.35	6.49e-05	0.0	-1.57e-05
3744	107	0.20	-0.15	-0.35	5.32e-05	0.0	-1.54e-05
3744	112	8.10	4.74	-0.36	2.52e-05	0.0	-5.81e-04
3744	134	0.80	7.03	-0.44	-5.67e-04	0.0	-7.91e-05
3744	139	-4.28	-8.87	-0.27	6.75e-04	0.0	3.55e-04
3744	144	9.11	5.36	-0.36	2.17e-05	0.0	-6.53e-04
3744	166	0.88	7.93	-0.45	-6.45e-04	0.0	-8.77e-05
3744	171	-4.85	-9.96	-0.26	7.53e-04	0.0	4.03e-04
3744	176	9.06	5.29	-0.36	1.60e-05	0.0	-6.44e-04
3744	198	0.88	7.85	-0.45	-6.34e-04	0.0	-9.09e-05
3744	203	-4.87	-9.89	-0.27	7.43e-04	0.0	4.07e-04
3744	208	10.59	6.20	-0.36	7.03e-06	0.0	-7.51e-04
3744	230	0.99	9.18	-0.47	-7.47e-04	0.0	-1.08e-04
3744	235	-5.80	-11.53	-0.25	8.57e-04	0.0	4.87e-04
3745	4	0.42	0.50	-0.68	3.36e-05	0.0	-2.41e-05
3745	44	0.36	-1.68	-0.55	1.64e-04	0.0	-2.80e-05
3745	68	0.29	0.32	-0.47	2.55e-05	0.0	-1.71e-05
3745	88	0.25	-1.13	-0.39	1.13e-04	0.0	-1.98e-05
3745	98	0.24	-0.19	-0.38	5.04e-05	0.0	-1.68e-05
3745	105	0.23	-0.36	-0.36	5.97e-05	0.0	-1.64e-05
3745	107	0.23	-0.18	-0.37	4.81e-05	0.0	-1.60e-05
3745	112	8.41	4.87	-0.37	1.81e-05	0.0	-6.13e-04
3745	134	0.86	7.28	-0.46	-5.34e-04	0.0	-1.01e-04
3745	139	-4.39	-9.21	-0.28	6.32e-04	0.0	3.90e-04
3745	144	9.44	5.51	-0.37	1.43e-05	0.0	-6.89e-04
3745	166	0.94	8.21	-0.47	-6.07e-04	0.0	-1.12e-04
3745	171	-4.99	-10.35	-0.27	7.05e-04	0.0	4.42e-04
3745	176	9.39	5.44	-0.37	9.88e-06	0.0	-6.79e-04

3745	198	0.93	8.13	-0.47	-5.97e-04	0.0	-1.16e-04
3745	203	-5.00	-10.27	-0.27	6.96e-04	0.0	4.46e-04
3745	208	10.97	6.37	-0.38	1.40e-06	0.0	-7.91e-04
3745	230	1.05	9.51	-0.49	-7.03e-04	0.0	-1.37e-04
3745	235	-5.96	-11.97	-0.26	8.03e-04	0.0	5.33e-04
3746	4	0.48	0.49	-0.69	2.89e-05	0.0	-1.81e-05
3746	44	0.41	-1.76	-0.56	1.57e-04	0.0	-2.56e-05
3746	68	0.33	0.31	-0.48	2.22e-05	0.0	-1.31e-05
3746	88	0.29	-1.19	-0.40	1.08e-04	0.0	-1.81e-05
3746	98	0.28	-0.21	-0.39	4.67e-05	0.0	-1.44e-05
3746	105	0.26	-0.39	-0.37	5.60e-05	0.0	-1.44e-05
3746	107	0.26	-0.20	-0.37	4.46e-05	0.0	-1.38e-05
3746	112	8.70	4.99	-0.38	1.23e-05	0.0	-6.31e-04
3746	134	0.92	7.51	-0.47	-4.87e-04	0.0	-1.09e-04
3746	139	-4.51	-9.53	-0.29	5.78e-04	0.0	4.12e-04
3746	144	9.77	5.65	-0.38	8.27e-06	0.0	-7.09e-04
3746	166	1.00	8.47	-0.48	-5.53e-04	0.0	-1.21e-04
3746	171	-5.12	-10.70	-0.27	6.44e-04	0.0	4.67e-04
3746	176	9.72	5.57	-0.38	5.26e-06	0.0	-6.99e-04
3746	198	0.99	8.39	-0.48	-5.45e-04	0.0	-1.25e-04
3746	203	-5.13	-10.62	-0.28	6.37e-04	0.0	4.70e-04
3746	208	11.35	6.53	-0.38	-2.66e-06	0.0	-8.15e-04
3746	230	1.11	9.81	-0.50	-6.41e-04	0.0	-1.49e-04
3746	235	-6.12	-12.37	-0.26	7.35e-04	0.0	5.61e-04
3747	4	0.53	0.47	-0.70	3.20e-05	0.0	-1.30e-05
3747	44	0.46	-1.84	-0.57	1.55e-04	0.0	-2.27e-05
3747	68	0.37	0.30	-0.49	2.42e-05	0.0	-9.70e-06
3747	88	0.32	-1.24	-0.41	1.06e-04	0.0	-1.61e-05
3747	98	0.31	-0.24	-0.40	4.69e-05	0.0	-1.21e-05
3747	105	0.29	-0.42	-0.37	5.59e-05	0.0	-1.24e-05
3747	107	0.29	-0.22	-0.38	4.47e-05	0.0	-1.17e-05
3747	112	8.98	5.10	-0.38	-1.87e-04	0.0	-6.39e-04
3747	134	0.97	7.71	-0.48	-3.68e-04	0.0	-1.05e-04
3747	139	-4.62	-9.81	-0.29	5.18e-04	0.0	4.19e-04
3747	144	10.08	5.77	-0.38	-2.16e-04	0.0	-7.19e-04
3747	166	1.05	8.71	-0.49	-4.19e-04	0.0	-1.18e-04
3747	171	-5.25	-11.02	-0.28	5.78e-04	0.0	4.74e-04
3747	176	10.02	5.69	-0.39	-2.11e-04	0.0	-7.08e-04
3747	198	1.05	8.63	-0.49	-4.14e-04	0.0	-1.22e-04
3747	203	-5.26	-10.93	-0.28	5.71e-04	0.0	4.77e-04
3747	208	11.69	6.67	-0.39	-2.52e-04	0.0	-8.25e-04
3747	230	1.17	10.09	-0.51	-4.89e-04	0.0	-1.45e-04
3747	235	-6.27	-12.74	-0.26	6.59e-04	0.0	5.69e-04
3748	4	0.35	0.50	-0.95	5.77e-05	0.0	-3.99e-05
3748	44	0.31	-1.61	-0.77	1.86e-04	0.0	-3.50e-05
3748	68	0.25	0.32	-0.66	4.24e-05	0.0	-2.79e-05
3748	88	0.22	-1.08	-0.54	1.28e-04	0.0	-2.46e-05
3748	98	0.20	-0.17	-0.53	6.49e-05	0.0	-2.35e-05
3748	105	0.19	-0.34	-0.50	7.35e-05	0.0	-2.22e-05
3748	107	0.19	-0.16	-0.51	6.19e-05	0.0	-2.23e-05
3748	112	8.09	4.42	-0.51	2.09e-05	0.0	-5.86e-04
3748	134	0.80	7.03	-0.69	-4.95e-04	0.0	-9.69e-05
3748	139	-4.27	-8.72	-0.35	6.20e-04	0.0	3.57e-04
3748	144	9.10	5.00	-0.51	1.58e-05	0.0	-6.57e-04
3748	166	0.88	7.93	-0.71	-5.64e-04	0.0	-1.07e-04
3748	171	-4.84	-9.79	-0.33	6.90e-04	0.0	4.06e-04
3748	176	9.05	4.93	-0.52	1.17e-05	0.0	-6.47e-04
3748	198	0.87	7.85	-0.70	-5.55e-04	0.0	-1.10e-04
3748	203	-4.86	-9.71	-0.33	6.81e-04	0.0	4.09e-04
3748	208	10.58	5.78	-0.52	1.27e-06	0.0	-7.52e-04
3748	230	0.99	9.17	-0.74	-6.56e-04	0.0	-1.29e-04
3748	235	-5.79	-11.32	-0.30	7.83e-04	0.0	4.90e-04
3749	4	0.41	0.48	-0.95	2.94e-05	0.0	-2.66e-05
3749	44	0.36	-1.70	-0.77	1.64e-04	0.0	-2.84e-05
3749	68	0.29	0.31	-0.67	2.27e-05	0.0	-1.88e-05
3749	88	0.25	-1.14	-0.55	1.12e-04	0.0	-2.00e-05
3749	98	0.24	-0.20	-0.53	4.91e-05	0.0	-1.76e-05
3749	105	0.23	-0.38	-0.50	5.88e-05	0.0	-1.71e-05
3749	107	0.23	-0.19	-0.51	4.70e-05	0.0	-1.68e-05
3749	112	8.41	4.53	-0.52	3.52e-06	0.0	-6.05e-04
3749	134	0.86	7.26	-0.68	-4.98e-04	0.0	-1.01e-04
3749	139	-4.39	-9.03	-0.35	5.93e-04	0.0	3.85e-04
3749	144	9.44	5.12	-0.52	-1.88e-06	0.0	-6.79e-04
3749	166	0.94	8.19	-0.70	-5.66e-04	0.0	-1.12e-04
3749	171	-4.99	-10.14	-0.33	6.62e-04	0.0	4.36e-04

3749	176	9.39	5.06	-0.52	-5.04e-06	0.0	-6.68e-04
3749	198	0.93	8.11	-0.70	-5.57e-04	0.0	-1.16e-04
3749	203	-5.00	-10.06	-0.34	6.53e-04	0.0	4.39e-04
3749	208	10.97	5.93	-0.53	-1.53e-05	0.0	-7.77e-04
3749	230	1.05	9.48	-0.73	-6.56e-04	0.0	-1.37e-04
3749	235	-5.96	-11.71	-0.31	7.54e-04	0.0	5.25e-04
3750	4	0.48	0.48	-0.96	2.12e-05	0.0	-2.18e-05
3750	44	0.41	-1.78	-0.78	1.53e-04	0.0	-2.68e-05
3750	68	0.34	0.30	-0.67	1.70e-05	0.0	-1.56e-05
3750	88	0.29	-1.20	-0.55	1.05e-04	0.0	-1.90e-05
3750	98	0.28	-0.22	-0.54	4.33e-05	0.0	-1.58e-05
3750	105	0.26	-0.40	-0.51	5.31e-05	0.0	-1.56e-05
3750	107	0.26	-0.21	-0.51	4.15e-05	0.0	-1.52e-05
3750	112	8.70	4.64	-0.53	-3.47e-06	0.0	-6.24e-04
3750	134	0.92	7.49	-0.68	-4.79e-04	0.0	-1.10e-04
3750	139	-4.51	-9.33	-0.36	5.63e-04	0.0	4.07e-04
3750	144	9.77	5.25	-0.53	-9.03e-06	0.0	-7.01e-04
3750	166	1.00	8.45	-0.70	-5.44e-04	0.0	-1.22e-04
3750	171	-5.12	-10.48	-0.34	6.28e-04	0.0	4.61e-04
3750	176	9.72	5.18	-0.53	-1.12e-05	0.0	-6.89e-04
3750	198	0.99	8.36	-0.70	-5.35e-04	0.0	-1.26e-04
3750	203	-5.13	-10.39	-0.34	6.21e-04	0.0	4.63e-04
3750	208	11.35	6.08	-0.53	-2.11e-05	0.0	-8.01e-04
3750	230	1.11	9.78	-0.73	-6.30e-04	0.0	-1.49e-04
3750	235	-6.12	-12.10	-0.31	7.17e-04	0.0	5.53e-04
3751	4	0.54	0.47	-0.97	2.54e-05	0.0	-2.16e-05
3751	44	0.46	-1.85	-0.79	1.51e-04	0.0	-2.77e-05
3751	68	0.38	0.30	-0.68	1.98e-05	0.0	-1.56e-05
3751	88	0.33	-1.25	-0.56	1.03e-04	0.0	-1.97e-05
3751	98	0.31	-0.24	-0.54	4.36e-05	0.0	-1.62e-05
3751	105	0.29	-0.43	-0.51	5.30e-05	0.0	-1.61e-05
3751	107	0.29	-0.23	-0.52	4.17e-05	0.0	-1.56e-05
3751	112	8.99	4.75	-0.53	-1.88e-04	0.0	-6.36e-04
3751	134	0.97	7.70	-0.69	-3.89e-04	0.0	-1.10e-04
3751	139	-4.62	-9.62	-0.34	5.29e-04	0.0	4.13e-04
3751	144	10.09	5.37	-0.53	-2.17e-04	0.0	-7.15e-04
3751	166	1.06	8.69	-0.71	-4.42e-04	0.0	-1.22e-04
3751	171	-5.25	-10.79	-0.32	5.90e-04	0.0	4.68e-04
3751	176	10.03	5.30	-0.54	-2.11e-04	0.0	-7.03e-04
3751	198	1.05	8.60	-0.71	-4.37e-04	0.0	-1.26e-04
3751	203	-5.26	-10.70	-0.33	5.83e-04	0.0	4.70e-04
3751	208	11.70	6.22	-0.54	-2.52e-04	0.0	-8.17e-04
3751	230	1.17	10.06	-0.74	-5.15e-04	0.0	-1.49e-04
3751	235	-6.27	-12.46	-0.29	6.73e-04	0.0	5.61e-04
3752	4	0.36	0.43	-1.09	9.72e-05	1.22e-04	-1.59e-05
3752	44	0.31	-1.66	-0.88	2.16e-04	1.01e-04	-1.53e-05
3752	68	0.25	0.28	-0.76	6.98e-05	8.48e-05	-1.12e-05
3752	88	0.22	-1.12	-0.62	1.49e-04	7.14e-05	-1.08e-05
3752	98	0.21	-0.21	-0.61	8.61e-05	6.80e-05	-1.02e-05
3752	105	0.20	-0.38	-0.57	9.31e-05	6.41e-05	-9.74e-06
3752	107	0.20	-0.20	-0.58	8.18e-05	6.45e-05	-9.71e-06
3752	112	8.08	4.07	-0.74	-1.46e-04	5.28e-04	-5.48e-04
3752	124	-0.38	7.63	-0.82	-3.71e-04	3.71e-04	4.48e-05
3752	139	-4.26	-8.57	-0.38	5.76e-04	-1.94e-04	3.49e-04
3752	144	9.08	4.61	-0.76	-1.75e-04	5.87e-04	-6.16e-04
3752	156	-0.46	8.61	-0.85	-4.27e-04	4.10e-04	5.20e-05
3752	171	-4.83	-9.62	-0.35	6.38e-04	-2.26e-04	3.96e-04
3752	176	9.04	4.55	-0.76	-1.69e-04	5.78e-04	-6.03e-04
3752	188	-0.45	8.44	-0.84	-4.17e-04	4.03e-04	5.33e-05
3752	203	-4.85	-9.53	-0.35	6.31e-04	-2.22e-04	3.95e-04
3752	208	10.56	5.34	-0.79	-2.10e-04	6.64e-04	-7.01e-04
3752	220	-0.55	9.83	-0.89	-4.96e-04	4.59e-04	6.69e-05
3752	235	-5.77	-11.10	-0.31	7.21e-04	-2.72e-04	4.70e-04
3753	4	0.42	0.47	-1.10	2.56e-05	1.16e-04	-2.23e-05
3753	44	0.36	-1.71	-0.89	1.63e-04	9.80e-05	-2.17e-05
3753	68	0.29	0.30	-0.77	2.02e-05	8.09e-05	-1.58e-05
3753	88	0.25	-1.15	-0.63	1.12e-04	6.91e-05	-1.54e-05
3753	98	0.24	-0.21	-0.61	4.79e-05	6.49e-05	-1.42e-05
3753	105	0.23	-0.38	-0.58	5.79e-05	6.15e-05	-1.36e-05
3753	107	0.23	-0.20	-0.58	4.59e-05	6.18e-05	-1.36e-05
3753	112	8.41	4.20	-0.75	-1.31e-05	5.83e-04	-5.80e-04
3753	124	-0.39	7.90	-0.83	-3.80e-04	4.02e-04	3.83e-05
3753	139	-4.40	-8.86	-0.38	5.74e-04	-2.33e-04	3.69e-04
3753	144	9.45	4.76	-0.77	-2.04e-05	6.49e-04	-6.52e-04
3753	156	-0.46	8.91	-0.86	-4.33e-04	4.45e-04	4.52e-05

3753	171	-4.99	-9.95	-0.36	6.40e-04	-2.70e-04	4.18e-04
3753	176	9.39	4.70	-0.77	-2.23e-05	6.39e-04	-6.38e-04
3753	188	-0.45	8.74	-0.85	-4.24e-04	4.37e-04	4.61e-05
3753	203	-5.00	-9.86	-0.36	6.32e-04	-2.65e-04	4.18e-04
3753	208	10.97	5.51	-0.80	-3.48e-05	7.35e-04	-7.41e-04
3753	220	-0.56	10.17	-0.90	-4.99e-04	4.99e-04	5.91e-05
3753	235	-5.96	-11.48	-0.32	7.28e-04	-3.21e-04	4.99e-04
3754	4	0.48	0.46	-1.11	2.22e-05	1.08e-04	-3.00e-05
3754	44	0.41	-1.79	-0.90	1.55e-04	9.23e-05	-2.87e-05
3754	68	0.34	0.30	-0.78	1.78e-05	7.58e-05	-2.13e-05
3754	88	0.29	-1.21	-0.64	1.07e-04	6.50e-05	-2.04e-05
3754	98	0.28	-0.23	-0.62	4.44e-05	6.10e-05	-1.88e-05
3754	105	0.26	-0.41	-0.58	5.43e-05	5.78e-05	-1.81e-05
3754	107	0.26	-0.22	-0.59	4.26e-05	5.80e-05	-1.80e-05
3754	112	8.70	4.30	-0.75	-1.45e-05	5.51e-04	-6.02e-04
3754	124	-0.38	8.12	-0.83	-3.68e-04	3.81e-04	3.52e-05
3754	139	-4.51	-9.15	-0.39	5.49e-04	-2.20e-04	3.79e-04
3754	144	9.77	4.87	-0.77	-2.16e-05	6.14e-04	-6.75e-04
3754	156	-0.46	9.16	-0.86	-4.19e-04	4.22e-04	4.22e-05
3754	171	-5.12	-10.27	-0.36	6.12e-04	-2.55e-04	4.29e-04
3754	176	9.72	4.81	-0.77	-2.32e-05	6.04e-04	-6.61e-04
3754	188	-0.45	8.98	-0.86	-4.11e-04	4.15e-04	4.30e-05
3754	203	-5.13	-10.18	-0.36	6.04e-04	-2.51e-04	4.29e-04
3754	208	11.35	5.64	-0.81	-3.51e-05	6.95e-04	-7.67e-04
3754	220	-0.57	10.46	-0.90	-4.84e-04	4.74e-04	5.62e-05
3754	235	-6.12	-11.84	-0.32	6.97e-04	-3.04e-04	5.13e-04
3755	4	0.54	0.45	-1.12	2.38e-05	6.99e-05	-4.24e-05
3755	44	0.47	-1.87	-0.91	1.50e-04	6.15e-05	-3.92e-05
3755	68	0.38	0.29	-0.78	1.88e-05	4.90e-05	-2.99e-05
3755	88	0.33	-1.26	-0.64	1.03e-04	4.34e-05	-2.78e-05
3755	98	0.31	-0.25	-0.62	4.31e-05	4.01e-05	-2.58e-05
3755	105	0.30	-0.44	-0.59	5.25e-05	3.83e-05	-2.47e-05
3755	107	0.30	-0.24	-0.59	4.13e-05	3.83e-05	-2.47e-05
3755	112	9.00	4.40	-0.76	-1.53e-05	3.65e-04	-6.25e-04
3755	124	-0.38	8.34	-0.84	-3.61e-04	3.08e-04	2.84e-05
3755	139	-4.62	-9.43	-0.39	5.34e-04	1.05e-04	3.79e-04
3755	144	10.10	4.98	-0.78	-2.23e-05	4.06e-04	-7.01e-04
3755	156	-0.46	9.40	-0.87	-4.11e-04	3.42e-04	3.55e-05
3755	171	-5.25	-10.58	-0.36	5.96e-04	1.13e-04	4.30e-04
3755	176	10.04	4.91	-0.78	-2.38e-05	4.00e-04	-6.88e-04
3755	188	-0.45	9.22	-0.86	-4.03e-04	3.36e-04	3.66e-05
3755	203	-5.26	-10.49	-0.36	5.88e-04	1.10e-04	4.31e-04
3755	208	11.71	5.77	-0.81	-3.54e-05	4.60e-04	-7.98e-04
3755	220	-0.57	10.74	-0.91	-4.74e-04	3.85e-04	5.00e-05
3755	235	-6.27	-12.20	-0.32	6.79e-04	1.20e-04	5.17e-04
3756	4	0.56	0.51	-0.28	1.64e-05	0.0	-1.50e-05
3756	44	0.49	-1.84	-0.23	1.45e-04	0.0	-1.97e-05
3756	68	0.40	0.33	-0.20	1.29e-05	0.0	-1.10e-05
3756	88	0.34	-1.24	-0.17	9.88e-05	0.0	-1.42e-05
3756	98	0.32	-0.21	-0.17	3.80e-05	0.0	-1.17e-05
3756	105	0.31	-0.40	-0.16	4.75e-05	0.0	-1.17e-05
3756	107	0.31	-0.20	-0.17	3.60e-05	0.0	-1.13e-05
3756	112	9.18	7.62	0.03	4.32e-05	0.0	-6.35e-04
3756	114	-6.71	-2.31	-0.44	-1.35e-04	0.0	4.73e-04
3756	139	-4.71	-11.27	-0.08	3.41e-04	0.0	3.93e-04
3756	144	10.30	8.61	0.05	4.41e-05	0.0	-7.13e-04
3756	146	-7.60	-2.58	-0.47	-1.57e-04	0.0	5.34e-04
3756	171	-5.35	-12.66	-0.07	3.79e-04	0.0	4.45e-04
3756	176	10.24	8.49	0.05	4.02e-05	0.0	-7.04e-04
3756	178	-7.56	-2.51	-0.47	-1.50e-04	0.0	5.24e-04
3756	203	-5.36	-12.61	-0.08	3.76e-04	0.0	4.48e-04
3756	208	11.95	9.95	0.08	3.90e-05	0.0	-8.20e-04
3756	210	-8.91	-2.90	-0.52	-1.80e-04	0.0	6.12e-04
3756	235	-6.39	-14.75	-0.06	4.34e-04	0.0	5.35e-04
3757	4	0.56	0.50	-0.23	2.04e-05	0.0	-1.49e-05
3757	44	0.48	-1.85	-0.19	1.48e-04	0.0	-1.98e-05
3757	68	0.39	0.32	-0.16	1.57e-05	0.0	-1.09e-05
3757	88	0.34	-1.24	-0.14	1.01e-04	0.0	-1.42e-05
3757	98	0.32	-0.22	-0.14	4.02e-05	0.0	-1.16e-05
3757	105	0.30	-0.41	-0.14	4.96e-05	0.0	-1.17e-05
3757	107	0.31	-0.21	-0.14	3.81e-05	0.0	-1.13e-05
3757	112	9.18	7.27	5.22e-03	4.27e-05	0.0	-6.36e-04
3757	114	-6.72	-2.03	-0.34	-1.45e-04	0.0	4.73e-04
3757	139	-4.71	-11.10	-0.09	3.69e-04	0.0	3.94e-04
3757	144	10.30	8.22	0.02	4.32e-05	0.0	-7.15e-04

3757	146	-7.61	-2.26	-0.36	-1.68e-04	0.0	5.34e-04
3757	171	-5.35	-12.47	-0.08	4.11e-04	0.0	4.47e-04
3757	176	10.24	8.11	0.02	3.96e-05	0.0	-7.05e-04
3757	178	-7.56	-2.20	-0.36	-1.62e-04	0.0	5.24e-04
3757	203	-5.36	-12.42	-0.08	4.07e-04	0.0	4.49e-04
3757	208	11.94	9.50	0.05	3.82e-05	0.0	-8.22e-04
3757	210	-8.91	-2.52	-0.39	-1.94e-04	0.0	6.12e-04
3757	235	-6.40	-14.51	-0.08	4.69e-04	0.0	5.37e-04
3758	4	0.58	0.50	-0.29	1.68e-05	0.0	-1.89e-05
3758	44	0.50	-1.91	-0.23	1.46e-04	0.0	-2.24e-05
3758	68	0.40	0.32	-0.21	1.32e-05	0.0	-1.37e-05
3758	88	0.35	-1.29	-0.17	9.91e-05	0.0	-1.61e-05
3758	98	0.33	-0.23	-0.17	3.83e-05	0.0	-1.38e-05
3758	105	0.32	-0.43	-0.17	4.78e-05	0.0	-1.37e-05
3758	107	0.32	-0.22	-0.17	3.63e-05	0.0	-1.33e-05
3758	112	9.34	7.66	0.02	3.28e-05	0.0	-6.28e-04
3758	114	-6.82	-2.33	-0.43	-7.80e-05	0.0	4.68e-04
3758	139	-4.79	-11.40	-0.09	2.55e-04	0.0	3.81e-04
3758	144	10.48	8.65	0.04	3.23e-05	0.0	-7.06e-04
3758	146	-7.73	-2.60	-0.47	-9.23e-05	0.0	5.29e-04
3758	171	-5.44	-12.81	-0.08	2.83e-04	0.0	4.32e-04
3758	176	10.41	8.54	0.04	2.94e-05	0.0	-6.96e-04
3758	178	-7.68	-2.53	-0.46	-8.78e-05	0.0	5.19e-04
3758	203	-5.45	-12.76	-0.08	2.81e-04	0.0	4.34e-04
3758	208	12.15	10.00	0.07	2.68e-05	0.0	-8.11e-04
3758	210	-9.05	-2.91	-0.51	-1.07e-04	0.0	6.06e-04
3758	235	-6.50	-14.92	-0.07	3.22e-04	0.0	5.19e-04
3759	4	0.57	0.49	-0.23	2.04e-05	0.0	-1.85e-05
3759	44	0.50	-1.92	-0.19	1.48e-04	0.0	-2.22e-05
3759	68	0.40	0.31	-0.17	1.58e-05	0.0	-1.35e-05
3759	88	0.35	-1.30	-0.14	1.01e-04	0.0	-1.59e-05
3759	98	0.33	-0.24	-0.14	4.03e-05	0.0	-1.36e-05
3759	105	0.31	-0.43	-0.14	4.97e-05	0.0	-1.35e-05
3759	107	0.31	-0.23	-0.14	3.83e-05	0.0	-1.32e-05
3759	112	9.34	7.32	5.32e-03	3.15e-05	0.0	-6.30e-04
3759	114	-6.83	-2.04	-0.34	-8.24e-05	0.0	4.69e-04
3759	139	-4.79	-11.24	-0.09	2.74e-04	0.0	3.83e-04
3759	144	10.48	8.27	0.02	3.06e-05	0.0	-7.08e-04
3759	146	-7.73	-2.27	-0.36	-9.75e-05	0.0	5.30e-04
3759	171	-5.44	-12.63	-0.08	3.03e-04	0.0	4.34e-04
3759	176	10.41	8.16	0.02	2.82e-05	0.0	-6.98e-04
3759	178	-7.68	-2.21	-0.36	-9.34e-05	0.0	5.20e-04
3759	203	-5.45	-12.58	-0.08	3.01e-04	0.0	4.36e-04
3759	208	12.15	9.56	0.05	2.53e-05	0.0	-8.13e-04
3759	210	-9.06	-2.54	-0.40	-1.14e-04	0.0	6.07e-04
3759	235	-6.50	-14.70	-0.08	3.46e-04	0.0	5.22e-04
3760	4	0.57	0.49	-0.29	1.64e-05	0.0	-2.08e-05
3760	44	0.50	-1.98	-0.23	1.45e-04	0.0	-2.37e-05
3760	68	0.40	0.32	-0.21	1.29e-05	0.0	-1.51e-05
3760	88	0.35	-1.34	-0.17	9.88e-05	0.0	-1.70e-05
3760	98	0.33	-0.25	-0.18	3.81e-05	0.0	-1.48e-05
3760	105	0.32	-0.45	-0.17	4.76e-05	0.0	-1.47e-05
3760	107	0.32	-0.24	-0.17	3.61e-05	0.0	-1.44e-05
3760	112	9.48	7.68	0.01	2.97e-05	0.0	-6.26e-04
3760	114	-6.93	-2.34	-0.43	-5.97e-05	0.0	4.66e-04
3760	139	-4.88	-11.50	-0.09	2.26e-04	0.0	3.76e-04
3760	144	10.65	8.68	0.04	2.89e-05	0.0	-7.04e-04
3760	146	-7.85	-2.60	-0.47	-7.17e-05	0.0	5.27e-04
3760	171	-5.54	-12.93	-0.08	2.50e-04	0.0	4.26e-04
3760	176	10.58	8.56	0.03	2.63e-05	0.0	-6.93e-04
3760	178	-7.80	-2.53	-0.46	-6.77e-05	0.0	5.17e-04
3760	203	-5.55	-12.88	-0.08	2.48e-04	0.0	4.28e-04
3760	208	12.34	10.03	0.07	2.34e-05	0.0	-8.07e-04
3760	210	-9.20	-2.91	-0.51	-8.35e-05	0.0	6.04e-04
3760	235	-6.62	-15.05	-0.07	2.84e-04	0.0	5.12e-04
3761	4	0.57	0.48	-0.23	2.05e-05	0.0	-2.14e-05
3761	44	0.50	-2.00	-0.19	1.49e-04	0.0	-2.41e-05
3761	68	0.40	0.31	-0.17	1.59e-05	0.0	-1.55e-05
3761	88	0.35	-1.35	-0.14	1.01e-04	0.0	-1.73e-05
3761	98	0.33	-0.26	-0.14	4.04e-05	0.0	-1.52e-05
3761	105	0.32	-0.46	-0.14	4.98e-05	0.0	-1.50e-05
3761	107	0.32	-0.25	-0.14	3.84e-05	0.0	-1.47e-05
3761	112	9.49	7.34	5.24e-03	2.78e-05	0.0	-6.27e-04
3761	114	-6.93	-2.05	-0.34	-6.02e-05	0.0	4.66e-04
3761	139	-4.88	-11.35	-0.09	2.40e-04	0.0	3.77e-04

3761	144	10.65	8.30	0.02	2.64e-05	0.0	-7.05e-04
3761	146	-7.85	-2.28	-0.36	-7.25e-05	0.0	5.27e-04
3761	171	-5.54	-12.76	-0.08	2.65e-04	0.0	4.27e-04
3761	176	10.58	8.19	0.02	2.44e-05	0.0	-6.94e-04
3761	178	-7.80	-2.22	-0.36	-6.90e-05	0.0	5.17e-04
3761	203	-5.55	-12.70	-0.09	2.64e-04	0.0	4.29e-04
3761	208	12.34	9.59	0.05	2.10e-05	0.0	-8.08e-04
3761	210	-9.20	-2.54	-0.40	-8.56e-05	0.0	6.04e-04
3761	235	-6.62	-14.84	-0.08	3.02e-04	0.0	5.13e-04
3762	4	0.56	0.49	-0.22	2.43e-05	0.0	-1.49e-05
3762	44	0.48	-1.86	-0.19	1.51e-04	0.0	-2.00e-05
3762	68	0.39	0.32	-0.16	1.86e-05	0.0	-1.09e-05
3762	88	0.34	-1.25	-0.14	1.03e-04	0.0	-1.44e-05
3762	98	0.32	-0.23	-0.14	4.23e-05	0.0	-1.17e-05
3762	105	0.30	-0.42	-0.13	5.16e-05	0.0	-1.18e-05
3762	107	0.30	-0.22	-0.14	4.02e-05	0.0	-1.14e-05
3762	112	9.17	6.92	-0.05	3.99e-05	0.0	-6.36e-04
3762	114	-6.72	-1.74	-0.25	-1.47e-04	0.0	4.73e-04
3762	139	-4.71	-10.92	-0.11	3.84e-04	0.0	3.95e-04
3762	144	10.30	7.82	-0.04	3.99e-05	0.0	-7.15e-04
3762	146	-7.61	-1.93	-0.27	-1.70e-04	0.0	5.34e-04
3762	171	-5.35	-12.28	-0.10	4.27e-04	0.0	4.48e-04
3762	176	10.24	7.72	-0.04	3.68e-05	0.0	-7.05e-04
3762	178	-7.56	-1.88	-0.26	-1.64e-04	0.0	5.24e-04
3762	203	-5.36	-12.22	-0.10	4.23e-04	0.0	4.50e-04
3762	208	11.94	9.05	-0.03	3.48e-05	0.0	-8.23e-04
3762	210	-8.91	-2.15	-0.29	-1.97e-04	0.0	6.12e-04
3762	235	-6.40	-14.27	-0.10	4.88e-04	0.0	5.38e-04
3763	4	0.57	0.48	-0.22	2.43e-05	0.0	-1.84e-05
3763	44	0.49	-1.94	-0.19	1.51e-04	0.0	-2.22e-05
3763	68	0.40	0.31	-0.16	1.86e-05	0.0	-1.34e-05
3763	88	0.35	-1.30	-0.14	1.03e-04	0.0	-1.59e-05
3763	98	0.33	-0.25	-0.14	4.24e-05	0.0	-1.36e-05
3763	105	0.31	-0.44	-0.14	5.16e-05	0.0	-1.35e-05
3763	107	0.31	-0.24	-0.14	4.03e-05	0.0	-1.32e-05
3763	112	9.33	6.97	-0.05	3.04e-05	0.0	-6.33e-04
3763	114	-6.83	-1.75	-0.25	-8.79e-05	0.0	4.70e-04
3763	139	-4.79	-11.08	-0.11	2.93e-04	0.0	3.86e-04
3763	144	10.48	7.88	-0.04	2.91e-05	0.0	-7.11e-04
3763	146	-7.73	-1.95	-0.27	-1.04e-04	0.0	5.31e-04
3763	171	-5.44	-12.45	-0.10	3.25e-04	0.0	4.37e-04
3763	176	10.41	7.78	-0.04	2.72e-05	0.0	-7.01e-04
3763	178	-7.68	-1.89	-0.27	-1.00e-04	0.0	5.21e-04
3763	203	-5.45	-12.39	-0.10	3.23e-04	0.0	4.40e-04
3763	208	12.15	9.11	-0.03	2.40e-05	0.0	-8.17e-04
3763	210	-9.06	-2.16	-0.29	-1.22e-04	0.0	6.09e-04
3763	235	-6.50	-14.47	-0.10	3.70e-04	0.0	5.26e-04
3764	4	0.58	0.47	-0.22	2.43e-05	0.0	-2.13e-05
3764	44	0.50	-2.01	-0.19	1.51e-04	0.0	-2.39e-05
3764	68	0.40	0.30	-0.16	1.85e-05	0.0	-1.55e-05
3764	88	0.35	-1.36	-0.14	1.03e-04	0.0	-1.72e-05
3764	98	0.33	-0.27	-0.14	4.23e-05	0.0	-1.51e-05
3764	105	0.32	-0.47	-0.14	5.16e-05	0.0	-1.49e-05
3764	107	0.32	-0.26	-0.14	4.02e-05	0.0	-1.46e-05
3764	112	9.49	7.00	-0.05	2.68e-05	0.0	-6.28e-04
3764	114	-6.93	-1.76	-0.25	-6.57e-05	0.0	4.67e-04
3764	139	-4.88	-11.20	-0.11	2.59e-04	0.0	3.77e-04
3764	144	10.65	7.91	-0.04	2.51e-05	0.0	-7.05e-04
3764	146	-7.85	-1.96	-0.27	-7.90e-05	0.0	5.27e-04
3764	171	-5.54	-12.58	-0.10	2.87e-04	0.0	4.28e-04
3764	176	10.58	7.81	-0.04	2.35e-05	0.0	-6.95e-04
3764	178	-7.80	-1.90	-0.27	-7.58e-05	0.0	5.17e-04
3764	203	-5.55	-12.52	-0.10	2.85e-04	0.0	4.30e-04
3764	208	12.34	9.15	-0.03	2.00e-05	0.0	-8.09e-04
3764	210	-9.20	-2.17	-0.29	-9.41e-05	0.0	6.05e-04
3764	235	-6.61	-14.62	-0.10	3.26e-04	0.0	5.14e-04
3765	4	0.55	0.49	-0.24	2.82e-05	0.0	-1.49e-05
3765	44	0.48	-1.87	-0.21	1.53e-04	0.0	-2.05e-05
3765	68	0.39	0.31	-0.18	2.13e-05	0.0	-1.10e-05
3765	88	0.34	-1.26	-0.15	1.05e-04	0.0	-1.47e-05
3765	98	0.32	-0.23	-0.15	4.45e-05	0.0	-1.19e-05
3765	105	0.30	-0.42	-0.15	5.35e-05	0.0	-1.20e-05
3765	107	0.30	-0.22	-0.15	4.23e-05	0.0	-1.15e-05
3765	112	9.17	6.58	-0.10	3.65e-05	0.0	-6.36e-04
3765	114	-6.72	-1.45	-0.21	-1.45e-04	0.0	4.72e-04

3765	139	-4.71	-10.76	-0.12	3.95e-04	0.0	3.95e-04
3765	144	10.30	7.43	-0.10	3.58e-05	0.0	-7.15e-04
3765	146	-7.61	-1.61	-0.22	-1.68e-04	0.0	5.33e-04
3765	171	-5.35	-12.08	-0.12	4.39e-04	0.0	4.47e-04
3765	176	10.23	7.34	-0.10	3.32e-05	0.0	-7.05e-04
3765	178	-7.56	-1.56	-0.22	-1.63e-04	0.0	5.23e-04
3765	203	-5.36	-12.02	-0.12	4.35e-04	0.0	4.50e-04
3765	208	11.94	8.60	-0.09	3.06e-05	0.0	-8.22e-04
3765	210	-8.91	-1.78	-0.23	-1.96e-04	0.0	6.11e-04
3765	235	-6.40	-14.03	-0.12	5.01e-04	0.0	5.38e-04
3766	4	0.57	0.47	-0.24	2.82e-05	0.0	-1.83e-05
3766	44	0.49	-1.95	-0.21	1.53e-04	0.0	-2.24e-05
3766	68	0.40	0.30	-0.18	2.13e-05	0.0	-1.34e-05
3766	88	0.35	-1.31	-0.15	1.04e-04	0.0	-1.61e-05
3766	98	0.33	-0.26	-0.15	4.44e-05	0.0	-1.37e-05
3766	105	0.31	-0.45	-0.15	5.35e-05	0.0	-1.36e-05
3766	107	0.31	-0.24	-0.15	4.22e-05	0.0	-1.32e-05
3766	112	9.33	6.63	-0.10	-9.29e-05	0.0	-6.33e-04
3766	114	-6.83	-1.46	-0.21	2.91e-05	0.0	4.70e-04
3766	139	-4.79	-10.92	-0.13	3.12e-04	0.0	3.87e-04
3766	144	10.48	7.50	-0.10	-1.10e-04	0.0	-7.12e-04
3766	146	-7.73	-1.62	-0.22	2.75e-05	0.0	5.31e-04
3766	171	-5.45	-12.27	-0.12	3.46e-04	0.0	4.38e-04
3766	176	10.41	7.39	-0.10	-1.06e-04	0.0	-7.02e-04
3766	178	-7.68	-1.57	-0.22	2.60e-05	0.0	5.21e-04
3766	203	-5.46	-12.20	-0.12	3.44e-04	0.0	4.41e-04
3766	208	12.15	8.67	-0.09	-1.30e-04	0.0	-8.18e-04
3766	210	-9.06	-1.79	-0.23	2.27e-05	0.0	6.09e-04
3766	235	-6.51	-14.24	-0.12	3.94e-04	0.0	5.27e-04
3767	4	0.58	0.46	-0.24	2.81e-05	0.0	-2.13e-05
3767	44	0.50	-2.02	-0.21	1.53e-04	0.0	-2.40e-05
3767	68	0.41	0.29	-0.18	2.12e-05	0.0	-1.55e-05
3767	88	0.36	-1.37	-0.15	1.04e-04	0.0	-1.73e-05
3767	98	0.33	-0.28	-0.15	4.43e-05	0.0	-1.51e-05
3767	105	0.32	-0.48	-0.15	5.34e-05	0.0	-1.49e-05
3767	107	0.32	-0.26	-0.15	4.21e-05	0.0	-1.47e-05
3767	112	9.49	6.66	-0.10	-7.34e-05	0.0	-6.28e-04
3767	114	-6.93	-1.48	-0.21	2.63e-05	0.0	4.67e-04
3767	139	-4.88	-11.05	-0.13	2.82e-04	0.0	3.77e-04
3767	144	10.65	7.53	-0.10	-8.78e-05	0.0	-7.05e-04
3767	146	-7.85	-1.63	-0.22	2.43e-05	0.0	5.27e-04
3767	171	-5.54	-12.41	-0.12	3.12e-04	0.0	4.28e-04
3767	176	10.58	7.43	-0.10	-8.49e-05	0.0	-6.95e-04
3767	178	-7.80	-1.58	-0.22	2.33e-05	0.0	5.17e-04
3767	203	-5.55	-12.34	-0.12	3.09e-04	0.0	4.29e-04
3767	208	12.34	8.71	-0.09	-1.05e-04	0.0	-8.09e-04
3767	210	-9.20	-1.80	-0.23	1.97e-05	0.0	6.04e-04
3767	235	-6.61	-14.41	-0.12	3.54e-04	0.0	5.14e-04
3768	4	0.55	0.48	-0.29	3.21e-05	0.0	-1.46e-05
3768	44	0.48	-1.88	-0.25	1.55e-04	0.0	-2.09e-05
3768	68	0.39	0.30	-0.21	2.41e-05	0.0	-1.07e-05
3768	88	0.34	-1.27	-0.18	1.06e-04	0.0	-1.50e-05
3768	98	0.32	-0.24	-0.18	4.65e-05	0.0	-1.20e-05
3768	105	0.30	-0.43	-0.17	5.54e-05	0.0	-1.21e-05
3768	107	0.30	-0.23	-0.17	4.42e-05	0.0	-1.16e-05
3768	112	9.17	6.23	-0.15	-1.43e-04	0.0	-6.36e-04
3768	114	-6.72	-1.16	-0.21	3.25e-05	0.0	4.71e-04
3768	139	-4.71	-10.59	-0.15	4.06e-04	0.0	3.97e-04
3768	144	10.29	7.04	-0.14	-1.67e-04	0.0	-7.15e-04
3768	146	-7.61	-1.28	-0.22	3.11e-05	0.0	5.32e-04
3768	171	-5.35	-11.89	-0.15	4.51e-04	0.0	4.49e-04
3768	176	10.23	6.95	-0.15	-1.62e-04	0.0	-7.05e-04
3768	178	-7.56	-1.24	-0.22	2.91e-05	0.0	5.22e-04
3768	203	-5.36	-11.82	-0.15	4.47e-04	0.0	4.52e-04
3768	208	11.94	8.15	-0.14	-1.95e-04	0.0	-8.23e-04
3768	210	-8.91	-1.41	-0.22	2.58e-05	0.0	6.10e-04
3768	235	-6.40	-13.79	-0.14	5.15e-04	0.0	5.40e-04
3769	4	0.57	0.46	-0.29	3.21e-05	0.0	-1.80e-05
3769	44	0.49	-1.96	-0.25	1.55e-04	0.0	-2.25e-05
3769	68	0.40	0.29	-0.21	2.40e-05	0.0	-1.32e-05
3769	88	0.35	-1.32	-0.18	1.06e-04	0.0	-1.62e-05
3769	98	0.33	-0.26	-0.18	4.63e-05	0.0	-1.36e-05
3769	105	0.31	-0.46	-0.17	5.52e-05	0.0	-1.36e-05
3769	107	0.31	-0.25	-0.17	4.40e-05	0.0	-1.32e-05
3769	112	9.33	6.28	-0.15	-9.85e-05	0.0	-6.34e-04

3769	114	-6.83	-1.18	-0.21	2.74e-05	0.0	4.70e-04
3769	139	-4.80	-10.76	-0.15	3.33e-04	0.0	3.88e-04
3769	144	10.48	7.11	-0.15	-1.16e-04	0.0	-7.12e-04
3769	146	-7.73	-1.30	-0.22	2.54e-05	0.0	5.31e-04
3769	171	-5.45	-12.09	-0.15	3.69e-04	0.0	4.40e-04
3769	176	10.41	7.01	-0.15	-1.13e-04	0.0	-7.02e-04
3769	178	-7.68	-1.25	-0.22	2.45e-05	0.0	5.21e-04
3769	203	-5.46	-12.01	-0.15	3.66e-04	0.0	4.42e-04
3769	208	12.15	8.22	-0.14	-1.39e-04	0.0	-8.18e-04
3769	210	-9.06	-1.42	-0.22	2.08e-05	0.0	6.09e-04
3769	235	-6.51	-14.01	-0.14	4.20e-04	0.0	5.29e-04
3770	4	0.58	0.44	-0.29	3.19e-05	0.0	-2.14e-05
3770	44	0.50	-2.04	-0.25	1.55e-04	0.0	-2.39e-05
3770	68	0.41	0.28	-0.21	2.39e-05	0.0	-1.55e-05
3770	88	0.36	-1.38	-0.18	1.06e-04	0.0	-1.72e-05
3770	98	0.34	-0.29	-0.18	4.62e-05	0.0	-1.52e-05
3770	105	0.32	-0.49	-0.17	5.51e-05	0.0	-1.49e-05
3770	107	0.32	-0.27	-0.17	4.39e-05	0.0	-1.47e-05
3770	112	9.49	6.32	-0.15	-8.18e-05	0.0	-6.28e-04
3770	114	-6.93	-1.19	-0.21	2.55e-05	0.0	4.67e-04
3770	139	-4.87	-10.91	-0.15	3.05e-04	0.0	3.77e-04
3770	144	10.65	7.15	-0.15	-9.76e-05	0.0	-7.06e-04
3770	146	-7.85	-1.31	-0.22	2.33e-05	0.0	5.27e-04
3770	171	-5.54	-12.25	-0.15	3.38e-04	0.0	4.28e-04
3770	176	10.58	7.05	-0.15	-9.50e-05	0.0	-6.95e-04
3770	178	-7.80	-1.27	-0.22	2.27e-05	0.0	5.17e-04
3770	203	-5.54	-12.17	-0.15	3.35e-04	0.0	4.30e-04
3770	208	12.34	8.27	-0.14	-1.18e-04	0.0	-8.09e-04
3770	210	-9.19	-1.43	-0.22	1.90e-05	0.0	6.04e-04
3770	235	-6.61	-14.20	-0.14	3.84e-04	0.0	5.14e-04
3771	4	0.55	0.47	-0.37	3.57e-05	0.0	-1.32e-05
3771	44	0.48	-1.90	-0.31	1.57e-04	0.0	-2.09e-05
3771	68	0.39	0.30	-0.27	2.66e-05	0.0	-9.84e-06
3771	88	0.34	-1.28	-0.22	1.08e-04	0.0	-1.50e-05
3771	98	0.32	-0.25	-0.22	4.82e-05	0.0	-1.16e-05
3771	105	0.30	-0.44	-0.21	5.70e-05	0.0	-1.18e-05
3771	107	0.30	-0.24	-0.21	4.59e-05	0.0	-1.13e-05
3771	112	9.17	5.88	-0.20	-1.44e-04	0.0	-6.38e-04
3771	134	1.00	7.88	-0.25	-2.74e-04	0.0	-8.49e-05
3771	139	-4.71	-10.41	-0.18	4.20e-04	0.0	4.01e-04
3771	144	10.29	6.65	-0.20	-1.67e-04	0.0	-7.17e-04
3771	166	1.09	8.90	-0.26	-3.14e-04	0.0	-9.48e-05
3771	171	-5.35	-11.70	-0.18	4.67e-04	0.0	4.54e-04
3771	176	10.23	6.56	-0.20	-1.63e-04	0.0	-7.07e-04
3771	198	1.08	8.82	-0.26	-3.10e-04	0.0	-9.84e-05
3771	203	-5.36	-11.62	-0.18	4.63e-04	0.0	4.58e-04
3771	208	11.94	7.69	-0.20	-1.97e-04	0.0	-8.24e-04
3771	230	1.21	10.33	-0.26	-3.69e-04	0.0	-1.17e-04
3771	235	-6.40	-13.55	-0.17	5.33e-04	0.0	5.47e-04
3772	4	0.56	0.45	-0.37	3.62e-05	0.0	-1.69e-05
3772	44	0.49	-1.97	-0.31	1.57e-04	0.0	-2.21e-05
3772	68	0.40	0.28	-0.27	2.70e-05	0.0	-1.24e-05
3772	88	0.35	-1.33	-0.23	1.07e-04	0.0	-1.59e-05
3772	98	0.33	-0.27	-0.22	4.82e-05	0.0	-1.32e-05
3772	105	0.31	-0.47	-0.21	5.68e-05	0.0	-1.32e-05
3772	107	0.31	-0.26	-0.21	4.58e-05	0.0	-1.28e-05
3772	112	9.34	5.94	-0.20	-1.06e-04	0.0	-6.34e-04
3772	134	1.03	7.99	-0.25	-2.22e-04	0.0	-7.76e-05
3772	139	-4.80	-10.60	-0.18	3.57e-04	0.0	3.90e-04
3772	144	10.48	6.72	-0.20	-1.25e-04	0.0	-7.13e-04
3772	166	1.12	9.03	-0.26	-2.55e-04	0.0	-8.63e-05
3772	171	-5.45	-11.90	-0.18	3.96e-04	0.0	4.42e-04
3772	176	10.41	6.63	-0.20	-1.22e-04	0.0	-7.03e-04
3772	198	1.11	8.95	-0.26	-2.52e-04	0.0	-8.94e-05
3772	203	-5.46	-11.82	-0.18	3.92e-04	0.0	4.45e-04
3772	208	12.15	7.77	-0.20	-1.50e-04	0.0	-8.19e-04
3772	230	1.24	10.48	-0.27	-3.01e-04	0.0	-1.06e-04
3772	235	-6.51	-13.78	-0.17	4.50e-04	0.0	5.32e-04
3773	4	0.58	0.43	-0.37	3.62e-05	0.0	-2.13e-05
3773	44	0.51	-2.05	-0.31	1.56e-04	0.0	-2.36e-05
3773	68	0.41	0.27	-0.27	2.69e-05	0.0	-1.55e-05
3773	88	0.36	-1.39	-0.23	1.07e-04	0.0	-1.70e-05
3773	98	0.34	-0.30	-0.22	4.80e-05	0.0	-1.51e-05
3773	105	0.32	-0.49	-0.21	5.66e-05	0.0	-1.49e-05
3773	107	0.32	-0.28	-0.21	4.57e-05	0.0	-1.46e-05

3773	112	9.49	5.98	-0.20	-9.22e-05	0.0	-6.28e-04
3773	134	1.05	8.09	-0.25	-2.02e-04	0.0	-7.08e-05
3773	139	-4.87	-10.76	-0.18	3.33e-04	0.0	3.78e-04
3773	144	10.65	6.77	-0.20	-1.09e-04	0.0	-7.06e-04
3773	166	1.14	9.14	-0.26	-2.33e-04	0.0	-7.84e-05
3773	171	-5.53	-12.08	-0.18	3.69e-04	0.0	4.29e-04
3773	176	10.58	6.68	-0.20	-1.07e-04	0.0	-6.95e-04
3773	198	1.14	9.06	-0.26	-2.30e-04	0.0	-8.08e-05
3773	203	-5.54	-12.00	-0.18	3.65e-04	0.0	4.31e-04
3773	208	12.34	7.84	-0.20	-1.32e-04	0.0	-8.10e-04
3773	230	1.27	10.61	-0.27	-2.75e-04	0.0	-9.58e-05
3773	235	-6.61	-13.98	-0.17	4.19e-04	0.0	5.15e-04
3774	4	0.55	0.46	-0.50	3.89e-05	0.0	-1.07e-05
3774	44	0.48	-1.91	-0.42	1.58e-04	0.0	-2.00e-05
3774	68	0.39	0.29	-0.36	2.88e-05	0.0	-8.13e-06
3774	88	0.34	-1.29	-0.30	1.08e-04	0.0	-1.43e-05
3774	98	0.32	-0.25	-0.29	4.96e-05	0.0	-1.06e-05
3774	105	0.30	-0.44	-0.28	5.81e-05	0.0	-1.10e-05
3774	107	0.30	-0.24	-0.28	4.72e-05	0.0	-1.03e-05
3774	112	9.17	5.53	-0.28	-1.47e-04	0.0	-6.38e-04
3774	134	1.00	7.88	-0.34	-2.92e-04	0.0	-8.86e-05
3774	139	-4.71	-10.24	-0.23	4.39e-04	0.0	4.07e-04
3774	144	10.29	6.26	-0.28	-1.71e-04	0.0	-7.18e-04
3774	166	1.09	8.90	-0.35	-3.34e-04	0.0	-9.91e-05
3774	171	-5.35	-11.49	-0.22	4.88e-04	0.0	4.61e-04
3774	176	10.23	6.17	-0.28	-1.67e-04	0.0	-7.08e-04
3774	198	1.08	8.82	-0.34	-3.30e-04	0.0	-1.03e-04
3774	203	-5.36	-11.41	-0.22	4.83e-04	0.0	4.64e-04
3774	208	11.94	7.24	-0.28	-2.02e-04	0.0	-8.25e-04
3774	230	1.21	10.32	-0.35	-3.92e-04	0.0	-1.23e-04
3774	235	-6.40	-13.30	-0.21	5.56e-04	0.0	5.54e-04
3775	4	0.56	0.44	-0.51	4.18e-05	0.0	-1.39e-05
3775	44	0.49	-1.99	-0.42	1.58e-04	0.0	-2.04e-05
3775	68	0.40	0.28	-0.36	3.08e-05	0.0	-1.03e-05
3775	88	0.35	-1.34	-0.30	1.08e-04	0.0	-1.47e-05
3775	98	0.33	-0.28	-0.29	5.05e-05	0.0	-1.18e-05
3775	105	0.31	-0.47	-0.28	5.88e-05	0.0	-1.20e-05
3775	107	0.31	-0.27	-0.28	4.81e-05	0.0	-1.15e-05
3775	112	9.34	5.59	-0.28	-1.15e-04	0.0	-6.34e-04
3775	134	1.03	8.01	-0.34	-2.46e-04	0.0	-7.82e-05
3775	139	-4.80	-10.44	-0.23	3.86e-04	0.0	3.94e-04
3775	144	10.48	6.33	-0.28	-1.36e-04	0.0	-7.12e-04
3775	166	1.12	9.05	-0.35	-2.83e-04	0.0	-8.73e-05
3775	171	-5.45	-11.71	-0.22	4.29e-04	0.0	4.46e-04
3775	176	10.41	6.24	-0.28	-1.33e-04	0.0	-7.02e-04
3775	198	1.11	8.97	-0.35	-2.79e-04	0.0	-9.04e-05
3775	203	-5.46	-11.63	-0.22	4.25e-04	0.0	4.49e-04
3775	208	12.15	7.33	-0.28	-1.63e-04	0.0	-8.18e-04
3775	230	1.24	10.50	-0.36	-3.33e-04	0.0	-1.08e-04
3775	235	-6.51	-13.55	-0.21	4.88e-04	0.0	5.36e-04
3776	4	0.58	0.42	-0.51	4.30e-05	0.0	-2.06e-05
3776	44	0.51	-2.07	-0.42	1.58e-04	0.0	-2.29e-05
3776	68	0.41	0.26	-0.36	3.17e-05	0.0	-1.50e-05
3776	88	0.36	-1.40	-0.30	1.08e-04	0.0	-1.66e-05
3776	98	0.34	-0.30	-0.29	5.08e-05	0.0	-1.47e-05
3776	105	0.32	-0.50	-0.28	5.91e-05	0.0	-1.45e-05
3776	107	0.32	-0.29	-0.28	4.84e-05	0.0	-1.43e-05
3776	112	9.49	5.64	-0.28	-1.04e-04	0.0	-6.28e-04
3776	134	1.05	8.12	-0.34	-2.29e-04	0.0	-7.07e-05
3776	139	-4.87	-10.61	-0.23	3.66e-04	0.0	3.79e-04
3776	144	10.65	6.39	-0.28	-1.23e-04	0.0	-7.06e-04
3776	166	1.14	9.17	-0.35	-2.63e-04	0.0	-7.84e-05
3776	171	-5.53	-11.91	-0.22	4.06e-04	0.0	4.30e-04
3776	176	10.58	6.30	-0.28	-1.21e-04	0.0	-6.95e-04
3776	198	1.14	9.09	-0.35	-2.59e-04	0.0	-8.08e-05
3776	203	-5.54	-11.82	-0.22	4.03e-04	0.0	4.31e-04
3776	208	12.34	7.40	-0.28	-1.49e-04	0.0	-8.10e-04
3776	230	1.27	10.64	-0.36	-3.10e-04	0.0	-9.59e-05
3776	235	-6.61	-13.77	-0.21	4.62e-04	0.0	5.16e-04
3777	4	0.55	0.46	-0.70	4.03e-05	0.0	-8.82e-06
3777	44	0.48	-1.92	-0.57	1.57e-04	0.0	-1.91e-05
3777	68	0.39	0.29	-0.49	2.99e-05	0.0	-6.87e-06
3777	88	0.34	-1.29	-0.41	1.08e-04	0.0	-1.37e-05
3777	98	0.32	-0.26	-0.40	4.99e-05	0.0	-9.78e-06
3777	105	0.30	-0.45	-0.38	5.84e-05	0.0	-1.03e-05

3777	107	0.30	-0.25	-0.38	4.76e-05	0.0	-9.61e-06
3777	112	9.17	5.18	-0.39	-1.53e-04	0.0	-6.37e-04
3777	134	1.00	7.88	-0.48	-3.16e-04	0.0	-9.08e-05
3777	139	-4.71	-10.05	-0.29	4.63e-04	0.0	4.10e-04
3777	144	10.29	5.87	-0.39	-1.78e-04	0.0	-7.16e-04
3777	166	1.09	8.90	-0.50	-3.62e-04	0.0	-1.02e-04
3777	171	-5.35	-11.29	-0.28	5.15e-04	0.0	4.65e-04
3777	176	10.23	5.78	-0.39	-1.74e-04	0.0	-7.05e-04
3777	198	1.08	8.82	-0.49	-3.57e-04	0.0	-1.05e-04
3777	203	-5.36	-11.20	-0.28	5.10e-04	0.0	4.67e-04
3777	208	11.94	6.79	-0.39	-2.10e-04	0.0	-8.22e-04
3777	230	1.21	10.32	-0.51	-4.23e-04	0.0	-1.26e-04
3777	235	-6.40	-13.04	-0.26	5.87e-04	0.0	5.58e-04
3778	4	0.56	0.43	-0.71	4.86e-05	0.0	-7.78e-06
3778	44	0.49	-2.00	-0.58	1.60e-04	0.0	-1.64e-05
3778	68	0.39	0.27	-0.50	3.56e-05	0.0	-6.18e-06
3778	88	0.35	-1.35	-0.41	1.10e-04	0.0	-1.20e-05
3778	98	0.32	-0.29	-0.40	5.33e-05	0.0	-8.68e-06
3778	105	0.31	-0.48	-0.38	6.13e-05	0.0	-9.17e-06
3778	107	0.31	-0.27	-0.38	5.08e-05	0.0	-8.61e-06
3778	112	9.34	5.25	-0.39	-1.26e-04	0.0	-6.29e-04
3778	134	1.03	8.03	-0.48	-2.75e-04	0.0	-7.49e-05
3778	139	-4.80	-10.27	-0.29	4.22e-04	0.0	3.96e-04
3778	144	10.48	5.94	-0.39	-1.48e-04	0.0	-7.08e-04
3778	166	1.12	9.06	-0.50	-3.16e-04	0.0	-8.39e-05
3778	171	-5.45	-11.53	-0.28	4.69e-04	0.0	4.48e-04
3778	176	10.41	5.86	-0.39	-1.45e-04	0.0	-6.97e-04
3778	198	1.11	8.98	-0.50	-3.11e-04	0.0	-8.70e-05
3778	203	-5.46	-11.43	-0.28	4.64e-04	0.0	4.50e-04
3778	208	12.15	6.88	-0.39	-1.78e-04	0.0	-8.13e-04
3778	230	1.24	10.51	-0.51	-3.71e-04	0.0	-1.04e-04
3778	235	-6.51	-13.32	-0.27	5.33e-04	0.0	5.38e-04
3779	4	0.58	0.41	-0.71	5.35e-05	0.0	-1.86e-05
3779	44	0.51	-2.08	-0.58	1.62e-04	0.0	-2.14e-05
3779	68	0.41	0.25	-0.50	3.88e-05	0.0	-1.36e-05
3779	88	0.36	-1.41	-0.41	1.11e-04	0.0	-1.55e-05
3779	98	0.34	-0.31	-0.40	5.54e-05	0.0	-1.36e-05
3779	105	0.32	-0.51	-0.38	6.30e-05	0.0	-1.35e-05
3779	107	0.32	-0.30	-0.39	5.26e-05	0.0	-1.33e-05
3779	112	9.49	5.30	-0.39	-1.16e-04	0.0	-6.27e-04
3779	134	1.05	8.15	-0.49	-2.59e-04	0.0	-6.99e-05
3779	139	-4.87	-10.47	-0.30	4.08e-04	0.0	3.80e-04
3779	144	10.65	6.01	-0.39	-1.37e-04	0.0	-7.05e-04
3779	166	1.14	9.21	-0.50	-2.98e-04	0.0	-7.76e-05
3779	171	-5.53	-11.75	-0.29	4.52e-04	0.0	4.31e-04
3779	176	10.58	5.92	-0.39	-1.34e-04	0.0	-6.95e-04
3779	198	1.14	9.12	-0.50	-2.94e-04	0.0	-8.00e-05
3779	203	-5.54	-11.65	-0.29	4.48e-04	0.0	4.33e-04
3779	208	12.34	6.96	-0.40	-1.65e-04	0.0	-8.09e-04
3779	230	1.27	10.68	-0.51	-3.51e-04	0.0	-9.51e-05
3779	235	-6.61	-13.57	-0.27	5.14e-04	0.0	5.17e-04
3780	4	0.55	0.45	-0.99	3.68e-05	0.0	-1.46e-05
3780	44	0.48	-1.93	-0.81	1.54e-04	0.0	-2.22e-05
3780	68	0.39	0.29	-0.69	2.75e-05	0.0	-1.08e-05
3780	88	0.34	-1.30	-0.57	1.05e-04	0.0	-1.59e-05
3780	98	0.32	-0.26	-0.55	4.77e-05	0.0	-1.25e-05
3780	105	0.30	-0.45	-0.52	5.63e-05	0.0	-1.27e-05
3780	107	0.30	-0.25	-0.53	4.56e-05	0.0	-1.22e-05
3780	112	9.17	4.83	-0.54	-1.63e-04	0.0	-6.34e-04
3780	134	1.00	7.89	-0.70	-3.51e-04	0.0	-9.54e-05
3780	139	-4.71	-9.87	-0.35	4.93e-04	0.0	4.08e-04
3780	144	10.29	5.47	-0.54	-1.89e-04	0.0	-7.13e-04
3780	166	1.09	8.91	-0.72	-4.00e-04	0.0	-1.07e-04
3780	171	-5.35	-11.08	-0.33	5.49e-04	0.0	4.62e-04
3780	176	10.23	5.40	-0.54	-1.85e-04	0.0	-7.01e-04
3780	198	1.08	8.81	-0.72	-3.94e-04	0.0	-1.10e-04
3780	203	-5.36	-10.99	-0.33	5.42e-04	0.0	4.64e-04
3780	208	11.94	6.34	-0.55	-2.22e-04	0.0	-8.16e-04
3780	232	7.00	12.29	-0.75	-5.34e-04	0.0	-5.78e-04
3780	235	-6.40	-12.79	-0.30	6.25e-04	0.0	5.54e-04
3781	4	0.56	0.43	-1.02	5.64e-05	0.0	1.16e-06
3781	44	0.49	-2.01	-0.83	1.63e-04	0.0	-9.37e-06
3781	68	0.39	0.27	-0.71	4.09e-05	0.0	0.0
3781	88	0.35	-1.35	-0.59	1.12e-04	0.0	-7.05e-06
3781	98	0.32	-0.29	-0.57	5.65e-05	0.0	-3.75e-06

3781	105	0.31	-0.48	-0.53	6.40e-05	0.0	-4.60e-06
3781	107	0.31	-0.27	-0.54	5.38e-05	0.0	-3.98e-06
3781	112	9.34	4.91	-0.56	-1.35e-04	0.0	-6.18e-04
3781	134	1.03	8.05	-0.72	-3.05e-04	0.0	-6.37e-05
3781	139	-4.80	-10.10	-0.36	4.59e-04	0.0	3.92e-04
3781	144	10.48	5.56	-0.56	-1.59e-04	0.0	-6.95e-04
3781	166	1.12	9.09	-0.74	-3.50e-04	0.0	-7.18e-05
3781	171	-5.46	-11.34	-0.34	5.09e-04	0.0	4.43e-04
3781	176	10.42	5.48	-0.56	-1.55e-04	0.0	-6.84e-04
3781	198	1.11	9.00	-0.74	-3.45e-04	0.0	-7.44e-05
3781	203	-5.47	-11.24	-0.34	5.04e-04	0.0	4.44e-04
3781	208	12.15	6.44	-0.56	-1.90e-04	0.0	-7.99e-04
3781	232	7.14	12.53	-0.77	-4.71e-04	0.0	-5.37e-04
3781	235	-6.52	-13.08	-0.31	5.79e-04	0.0	5.30e-04
3782	4	0.58	0.39	-1.05	7.38e-05	0.0	-1.67e-05
3782	44	0.51	-2.09	-0.86	1.72e-04	0.0	-1.93e-05
3782	68	0.41	0.24	-0.74	5.28e-05	0.0	-1.23e-05
3782	88	0.36	-1.42	-0.61	1.18e-04	0.0	-1.41e-05
3782	98	0.34	-0.32	-0.58	6.49e-05	0.0	-1.24e-05
3782	105	0.32	-0.52	-0.55	7.14e-05	0.0	-1.23e-05
3782	107	0.32	-0.31	-0.56	6.16e-05	0.0	-1.21e-05
3782	112	9.49	4.96	-0.57	-1.19e-04	0.0	-6.27e-04
3782	134	1.05	8.18	-0.74	-2.81e-04	0.0	-6.90e-05
3782	139	-4.87	-10.32	-0.39	4.48e-04	0.0	3.82e-04
3782	144	10.65	5.63	-0.58	-1.41e-04	0.0	-7.04e-04
3782	166	1.14	9.24	-0.77	-3.23e-04	0.0	-7.67e-05
3782	171	-5.53	-11.58	-0.37	4.96e-04	0.0	4.32e-04
3782	176	10.58	5.55	-0.58	-1.38e-04	0.0	-6.94e-04
3782	198	1.14	9.15	-0.76	-3.18e-04	0.0	-7.92e-05
3782	203	-5.54	-11.48	-0.37	4.91e-04	0.0	4.34e-04
3782	208	12.34	6.52	-0.58	-1.71e-04	0.0	-8.08e-04
3782	230	1.27	10.71	-0.80	-3.81e-04	0.0	-9.44e-05
3782	235	-6.61	-13.36	-0.34	5.63e-04	0.0	5.19e-04
3783	4	0.55	0.44	-1.13	2.50e-05	2.94e-05	-2.99e-05
3783	44	0.48	-1.94	-0.92	1.44e-04	2.90e-05	-2.88e-05
3783	68	0.39	0.28	-0.79	1.95e-05	2.09e-05	-2.13e-05
3783	88	0.34	-1.31	-0.65	9.90e-05	2.06e-05	-2.06e-05
3783	98	0.32	-0.27	-0.63	4.14e-05	1.83e-05	-1.91e-05
3783	105	0.30	-0.46	-0.59	5.05e-05	1.78e-05	-1.84e-05
3783	107	0.30	-0.26	-0.60	3.97e-05	1.75e-05	-1.84e-05
3783	112	9.17	4.49	-0.76	-1.75e-05	2.86e-04	-6.22e-04
3783	124	-0.39	8.54	-0.84	-3.60e-04	-1.45e-05	3.85e-05
3783	139	-4.71	-9.69	-0.39	5.28e-04	8.05e-05	3.84e-04
3783	144	10.29	5.08	-0.78	-2.46e-05	3.20e-04	-6.98e-04
3783	156	-0.47	9.63	-0.87	-4.10e-04	-1.84e-05	4.61e-05
3783	171	-5.35	-10.87	-0.37	5.89e-04	8.83e-05	4.36e-04
3783	176	10.23	5.01	-0.78	-2.61e-05	3.14e-04	-6.85e-04
3783	188	-0.46	9.45	-0.87	-4.02e-04	-1.72e-05	4.75e-05
3783	203	-5.36	-10.77	-0.37	5.82e-04	8.63e-05	4.36e-04
3783	208	11.93	5.89	-0.81	-3.79e-05	3.63e-04	-7.95e-04
3783	220	-0.59	11.01	-0.91	-4.73e-04	-2.26e-05	6.19e-05
3783	235	-6.40	-12.53	-0.33	6.71e-04	9.54e-05	5.22e-04
3784	4	0.54	0.46	-1.14	5.68e-05	3.29e-05	-1.13e-05
3784	44	0.47	-1.99	-0.93	1.60e-04	3.17e-05	-1.33e-05
3784	68	0.38	0.29	-0.80	4.12e-05	2.33e-05	-8.48e-06
3784	88	0.33	-1.34	-0.66	1.10e-04	2.25e-05	-9.81e-06
3784	98	0.31	-0.27	-0.63	5.59e-05	1.99e-05	-9.23e-06
3784	105	0.30	-0.47	-0.60	6.32e-05	1.93e-05	-9.13e-06
3784	107	0.30	-0.26	-0.60	5.32e-05	1.91e-05	-9.00e-06
3784	112	9.33	4.60	-0.77	-1.45e-04	2.57e-04	-6.19e-04
3784	124	-0.41	8.77	-0.85	-3.52e-04	2.13e-04	5.00e-05
3784	139	-4.82	-9.95	-0.40	4.91e-04	7.16e-05	3.89e-04
3784	144	10.48	5.21	-0.79	-1.69e-04	2.87e-04	-6.96e-04
3784	156	-0.49	9.89	-0.88	-4.02e-04	2.38e-04	5.79e-05
3784	171	-5.47	-11.16	-0.38	5.45e-04	7.80e-05	4.41e-04
3784	176	10.41	5.13	-0.79	-1.65e-04	2.82e-04	-6.84e-04
3784	188	-0.48	9.70	-0.87	-3.93e-04	2.33e-04	5.99e-05
3784	203	-5.48	-11.06	-0.38	5.39e-04	7.62e-05	4.42e-04
3784	208	12.15	6.03	-0.82	-2.00e-04	3.26e-04	-7.96e-04
3784	220	-0.61	11.30	-0.92	-4.65e-04	2.69e-04	7.51e-05
3784	235	-6.53	-12.87	-0.34	6.19e-04	8.37e-05	5.27e-04
3785	4	0.58	0.37	-1.16	1.68e-04	7.92e-05	-2.23e-05
3785	44	0.51	-2.11	-0.95	2.32e-04	6.67e-05	-2.18e-05
3785	68	0.41	0.23	-0.81	1.18e-04	5.49e-05	-1.65e-05
3785	88	0.36	-1.43	-0.67	1.60e-04	4.66e-05	-1.61e-05

3785	98	0.34	-0.33	-0.64	1.13e-04	4.45e-05	-1.58e-05
3785	105	0.32	-0.53	-0.60	1.15e-04	4.18e-05	-1.54e-05
3785	107	0.32	-0.32	-0.61	1.07e-04	4.19e-05	-1.54e-05
3785	112	9.49	4.62	-0.78	-5.69e-05	2.85e-04	-6.43e-04
3785	124	-0.40	8.88	-0.85	-2.26e-04	1.97e-04	4.22e-05
3785	139	-4.87	-10.18	-0.41	4.60e-04	-9.17e-05	3.88e-04
3785	144	10.65	5.24	-0.80	-7.74e-05	3.16e-04	-7.23e-04
3785	156	-0.49	10.03	-0.88	-2.67e-04	2.17e-04	5.00e-05
3785	171	-5.53	-11.42	-0.39	5.04e-04	-1.09e-04	4.40e-04
3785	176	10.58	5.17	-0.80	-7.43e-05	3.13e-04	-7.12e-04
3785	188	-0.47	9.83	-0.88	-2.60e-04	2.15e-04	5.25e-05
3785	203	-5.54	-11.32	-0.39	4.99e-04	-1.08e-04	4.43e-04
3785	208	12.34	6.08	-0.83	-1.04e-04	3.60e-04	-8.30e-04
3785	220	-0.60	11.46	-0.92	-3.19e-04	2.44e-04	6.78e-05
3785	235	-6.61	-13.15	-0.35	5.65e-04	-1.36e-04	5.30e-04
3786	4	0.57	0.51	-0.54	1.83e-06	0.0	0.0
3786	44	0.50	-1.83	-0.42	1.32e-04	0.0	-5.97e-06
3786	68	0.40	0.33	-0.39	2.54e-06	0.0	0.0
3786	88	0.35	-1.23	-0.30	8.96e-05	0.0	-4.32e-06
3786	98	0.33	-0.21	-0.31	2.99e-05	0.0	-3.30e-06
3786	105	0.31	-0.40	-0.30	3.97e-05	0.0	-3.64e-06
3786	107	0.31	-0.20	-0.30	2.80e-05	0.0	-3.08e-06
3786	112	9.18	8.04	-0.25	5.35e-05	0.0	-4.39e-04
3786	134	1.01	7.68	-0.50	-3.24e-04	0.0	3.42e-04
3786	139	-4.70	-11.37	-0.15	3.84e-04	0.0	-4.57e-05
3786	144	10.31	9.08	-0.25	5.66e-05	0.0	-4.95e-04
3786	166	1.10	8.67	-0.53	-3.68e-04	0.0	3.86e-04
3786	171	-5.34	-12.79	-0.13	4.28e-04	0.0	-5.06e-05
3786	176	10.24	8.97	-0.25	4.91e-05	0.0	-4.90e-04
3786	198	1.09	8.63	-0.52	-3.61e-04	0.0	3.80e-04
3786	203	-5.35	-12.75	-0.13	4.24e-04	0.0	-4.28e-05
3786	208	11.95	10.50	-0.25	4.89e-05	0.0	-5.73e-04
3786	230	1.22	10.12	-0.56	-4.24e-04	0.0	4.46e-04
3786	235	-6.39	-14.92	-0.10	4.90e-04	0.0	-4.42e-05
3787	4	0.58	0.51	-0.54	2.64e-06	0.0	0.0
3787	44	0.49	-1.76	-0.42	1.33e-04	0.0	-4.03e-06
3787	68	0.40	0.33	-0.39	3.10e-06	0.0	0.0
3787	88	0.35	-1.19	-0.31	9.00e-05	0.0	-2.88e-06
3787	98	0.33	-0.19	-0.31	3.03e-05	0.0	-2.54e-06
3787	105	0.31	-0.38	-0.30	4.01e-05	0.0	-2.77e-06
3787	107	0.31	-0.18	-0.30	2.84e-05	0.0	-2.24e-06
3787	112	9.06	7.96	-0.25	5.44e-05	0.0	-4.06e-04
3787	134	0.99	7.55	-0.51	-3.28e-04	0.0	3.53e-04
3787	139	-4.63	-11.18	-0.15	3.88e-04	0.0	-7.19e-05
3787	144	10.17	8.99	-0.25	5.76e-05	0.0	-4.57e-04
3787	166	1.08	8.52	-0.53	-3.72e-04	0.0	3.98e-04
3787	171	-5.26	-12.57	-0.13	4.34e-04	0.0	-7.98e-05
3787	176	10.11	8.88	-0.25	5.01e-05	0.0	-4.55e-04
3787	198	1.07	8.49	-0.53	-3.66e-04	0.0	3.91e-04
3787	203	-5.27	-12.53	-0.13	4.29e-04	0.0	-6.99e-05
3787	208	11.79	10.40	-0.25	5.00e-05	0.0	-5.33e-04
3787	230	1.20	9.95	-0.56	-4.30e-04	0.0	4.57e-04
3787	235	-6.29	-14.67	-0.10	4.96e-04	0.0	-7.45e-05
3788	4	0.59	0.51	-0.54	0.0	0.0	-7.60e-06
3788	44	0.51	-1.90	-0.42	1.31e-04	0.0	-1.33e-05
3788	68	0.41	0.33	-0.38	0.0	0.0	-5.79e-06
3788	88	0.36	-1.28	-0.30	8.84e-05	0.0	-9.60e-06
3788	98	0.34	-0.22	-0.31	2.86e-05	0.0	-7.70e-06
3788	105	0.32	-0.42	-0.30	3.85e-05	0.0	-7.93e-06
3788	107	0.32	-0.21	-0.30	2.68e-05	0.0	-7.42e-06
3788	109	9.34	2.81	-0.17	2.21e-04	0.0	-5.98e-04
3788	134	1.03	7.80	-0.50	-3.11e-04	0.0	-4.78e-05
3788	139	-4.78	-11.56	-0.15	3.68e-04	0.0	3.51e-04
3788	144	10.49	9.17	-0.25	5.34e-05	0.0	-6.59e-04
3788	166	1.12	8.81	-0.53	-3.53e-04	0.0	-5.32e-05
3788	171	-5.43	-12.99	-0.13	4.11e-04	0.0	3.98e-04
3788	176	10.42	9.06	-0.26	4.61e-05	0.0	-6.51e-04
3788	198	1.11	8.78	-0.52	-3.47e-04	0.0	-5.32e-05
3788	203	-5.44	-12.95	-0.13	4.06e-04	0.0	3.98e-04
3788	208	12.15	10.61	-0.25	4.56e-05	0.0	-7.60e-04
3788	230	1.24	10.29	-0.56	-4.07e-04	0.0	-6.33e-05
3788	235	-6.49	-15.16	-0.10	4.70e-04	0.0	4.75e-04
3789	4	0.57	0.51	-0.54	-2.73e-06	0.0	-1.98e-05
3789	44	0.50	-1.96	-0.42	1.29e-04	0.0	-2.34e-05
3789	68	0.40	0.33	-0.38	0.0	0.0	-1.44e-05

3789	88	0.35	-1.32	-0.30	8.75e-05	0.0	-1.68e-05
3789	98	0.33	-0.24	-0.31	2.75e-05	0.0	-1.44e-05
3789	105	0.31	-0.44	-0.30	3.75e-05	0.0	-1.43e-05
3789	107	0.31	-0.23	-0.30	2.58e-05	0.0	-1.39e-05
3789	112	9.48	8.19	-0.25	4.85e-05	0.0	-6.23e-04
3789	134	1.05	7.92	-0.50	-3.03e-04	0.0	-6.71e-05
3789	139	-4.88	-11.73	-0.15	3.58e-04	0.0	3.74e-04
3789	144	10.65	9.26	-0.25	5.13e-05	0.0	-7.00e-04
3789	166	1.14	8.95	-0.53	-3.44e-04	0.0	-7.43e-05
3789	171	-5.55	-13.19	-0.13	4.00e-04	0.0	4.24e-04
3789	176	10.58	9.13	-0.25	4.40e-05	0.0	-6.90e-04
3789	198	1.13	8.91	-0.52	-3.38e-04	0.0	-7.64e-05
3789	203	-5.55	-13.15	-0.13	3.96e-04	0.0	4.26e-04
3789	208	12.34	10.70	-0.25	4.34e-05	0.0	-8.03e-04
3789	230	1.27	10.45	-0.56	-3.97e-04	0.0	-9.06e-05
3789	235	-6.62	-15.38	-0.10	4.58e-04	0.0	5.09e-04
3790	4	0.57	0.51	-0.41	7.85e-06	0.0	-1.06e-06
3790	44	0.49	-1.83	-0.33	1.38e-04	0.0	-6.84e-06
3790	68	0.40	0.33	-0.30	6.85e-06	0.0	-1.08e-06
3790	88	0.35	-1.23	-0.24	9.37e-05	0.0	-4.93e-06
3790	98	0.33	-0.21	-0.24	3.33e-05	0.0	-3.90e-06
3790	105	0.31	-0.40	-0.23	4.30e-05	0.0	-4.20e-06
3790	107	0.31	-0.20	-0.24	3.14e-05	0.0	-3.65e-06
3790	112	9.18	7.83	-0.12	4.34e-05	0.0	-4.39e-04
3790	114	-6.71	-2.53	-0.44	-1.40e-04	0.0	5.50e-04
3790	139	-4.70	-11.32	-0.12	3.30e-04	0.0	-4.66e-05
3790	144	10.30	8.84	-0.11	4.48e-05	0.0	-4.94e-04
3790	146	-7.60	-2.82	-0.47	-1.62e-04	0.0	6.20e-04
3790	171	-5.34	-12.72	-0.11	3.67e-04	0.0	-5.15e-05
3790	176	10.24	8.73	-0.11	3.95e-05	0.0	-4.90e-04
3790	178	-7.55	-2.75	-0.46	-1.54e-04	0.0	6.13e-04
3790	203	-5.35	-12.68	-0.11	3.64e-04	0.0	-4.37e-05
3790	208	11.95	10.22	-0.09	3.81e-05	0.0	-5.72e-04
3790	210	-8.90	-3.17	-0.49	-1.82e-04	0.0	7.18e-04
3790	235	-6.39	-14.83	-0.09	4.20e-04	0.0	-4.51e-05
3791	4	0.58	0.52	-0.41	7.92e-06	0.0	3.79e-06
3791	44	0.49	-1.77	-0.33	1.38e-04	0.0	-2.12e-06
3791	68	0.40	0.33	-0.29	6.90e-06	0.0	2.42e-06
3791	88	0.35	-1.19	-0.24	9.37e-05	0.0	-1.52e-06
3791	98	0.33	-0.19	-0.24	3.33e-05	0.0	-1.10e-06
3791	105	0.31	-0.38	-0.23	4.31e-05	0.0	-1.45e-06
3791	107	0.31	-0.18	-0.24	3.15e-05	0.0	0.0
3791	109	9.05	2.60	-0.06	2.01e-04	0.0	-5.65e-04
3791	114	-6.61	-2.51	-0.44	-1.45e-04	0.0	5.49e-04
3791	139	-4.62	-11.15	-0.12	3.37e-04	0.0	-4.99e-05
3791	141	10.16	2.96	-0.04	2.22e-04	0.0	-6.37e-04
3791	146	-7.49	-2.81	-0.46	-1.67e-04	0.0	6.18e-04
3791	171	-5.26	-12.53	-0.11	3.76e-04	0.0	-5.55e-05
3791	176	10.10	8.66	-0.11	4.04e-05	0.0	-4.82e-04
3791	178	-7.44	-2.74	-0.45	-1.60e-04	0.0	6.13e-04
3791	203	-5.27	-12.49	-0.11	3.72e-04	0.0	-4.73e-05
3791	208	11.78	10.14	-0.10	3.92e-05	0.0	-5.64e-04
3791	210	-8.78	-3.16	-0.49	-1.89e-04	0.0	7.18e-04
3791	235	-6.29	-14.62	-0.09	4.30e-04	0.0	-4.95e-05
3792	4	0.58	0.51	-0.41	7.55e-06	0.0	-9.31e-06
3792	44	0.50	-1.90	-0.33	1.38e-04	0.0	-1.43e-05
3792	68	0.41	0.33	-0.30	6.64e-06	0.0	-6.97e-06
3792	88	0.36	-1.28	-0.24	9.36e-05	0.0	-1.03e-05
3792	98	0.33	-0.23	-0.25	3.32e-05	0.0	-8.55e-06
3792	105	0.32	-0.42	-0.23	4.29e-05	0.0	-8.71e-06
3792	107	0.32	-0.22	-0.24	3.13e-05	0.0	-8.24e-06
3792	112	9.34	7.89	-0.12	4.09e-05	0.0	-5.84e-04
3792	114	-6.82	-2.54	-0.44	-1.27e-04	0.0	4.50e-04
3792	139	-4.78	-11.48	-0.12	3.08e-04	0.0	3.49e-04
3792	144	10.48	8.91	-0.11	4.20e-05	0.0	-6.57e-04
3792	146	-7.73	-2.84	-0.47	-1.46e-04	0.0	5.08e-04
3792	171	-5.43	-12.90	-0.11	3.43e-04	0.0	3.95e-04
3792	176	10.42	8.80	-0.11	3.70e-05	0.0	-6.48e-04
3792	178	-7.68	-2.76	-0.46	-1.39e-04	0.0	5.01e-04
3792	203	-5.45	-12.85	-0.11	3.40e-04	0.0	3.96e-04
3792	208	12.15	10.30	-0.09	3.53e-05	0.0	-7.56e-04
3792	210	-9.05	-3.18	-0.50	-1.65e-04	0.0	5.86e-04
3792	235	-6.50	-15.04	-0.09	3.92e-04	0.0	4.72e-04
3793	4	0.57	0.50	-0.41	7.42e-06	0.0	-1.99e-05
3793	44	0.50	-1.97	-0.33	1.38e-04	0.0	-2.31e-05

3793	68	0.40	0.32	-0.30	6.56e-06	0.0	-1.45e-05
3793	88	0.35	-1.33	-0.24	9.36e-05	0.0	-1.66e-05
3793	98	0.33	-0.24	-0.24	3.32e-05	0.0	-1.44e-05
3793	105	0.31	-0.44	-0.23	4.29e-05	0.0	-1.43e-05
3793	107	0.31	-0.23	-0.24	3.13e-05	0.0	-1.39e-05
3793	112	9.48	7.94	-0.12	3.96e-05	0.0	-6.24e-04
3793	114	-6.94	-2.55	-0.44	-1.19e-04	0.0	4.66e-04
3793	139	-4.88	-11.62	-0.12	2.96e-04	0.0	3.74e-04
3793	144	10.65	8.97	-0.11	4.06e-05	0.0	-7.01e-04
3793	146	-7.85	-2.85	-0.47	-1.37e-04	0.0	5.26e-04
3793	171	-5.54	-13.06	-0.11	3.29e-04	0.0	4.25e-04
3793	176	10.58	8.85	-0.11	3.57e-05	0.0	-6.91e-04
3793	178	-7.80	-2.77	-0.46	-1.31e-04	0.0	5.17e-04
3793	203	-5.55	-13.01	-0.11	3.26e-04	0.0	4.26e-04
3793	208	12.34	10.37	-0.09	3.39e-05	0.0	-8.04e-04
3793	210	-9.20	-3.19	-0.50	-1.55e-04	0.0	6.04e-04
3793	235	-6.62	-15.22	-0.09	3.76e-04	0.0	5.10e-04
3794	4	0.36	0.48	-1.09	7.58e-05	0.0	1.93e-05
3794	44	0.31	-1.63	-0.88	2.02e-04	0.0	8.73e-06
3794	68	0.25	0.31	-0.76	5.50e-05	0.0	1.30e-05
3794	88	0.22	-1.10	-0.62	1.39e-04	0.0	6.01e-06
3794	98	0.21	-0.18	-0.61	7.56e-05	0.0	7.87e-06
3794	105	0.20	-0.36	-0.57	8.37e-05	0.0	6.79e-06
3794	107	0.20	-0.18	-0.58	7.21e-05	0.0	7.31e-06
3794	112	8.09	3.89	-0.84	-1.46e-04	0.0	-5.31e-04
3794	124	-0.38	7.64	-0.88	-3.86e-04	0.0	6.93e-05
3794	139	-4.26	-8.46	-0.38	5.56e-04	0.0	3.53e-04
3794	144	9.09	4.40	-0.87	-1.73e-04	0.0	-5.99e-04
3794	156	-0.46	8.61	-0.92	-4.43e-04	0.0	7.76e-05
3794	171	-4.83	-9.50	-0.36	6.17e-04	0.0	3.97e-04
3794	176	9.04	4.35	-0.87	-1.70e-04	0.0	-5.88e-04
3794	188	-0.45	8.45	-0.91	-4.33e-04	0.0	8.00e-05
3794	203	-4.85	-9.41	-0.36	6.10e-04	0.0	3.97e-04
3794	208	10.57	5.10	-0.92	-2.10e-04	0.0	-6.87e-04
3794	220	-0.55	9.84	-0.97	-5.15e-04	0.0	9.57e-05
3794	235	-5.77	-10.96	-0.32	6.99e-04	0.0	4.71e-04
3795	4	0.42	0.46	-1.09	3.64e-05	0.0	-2.07e-05
3795	44	0.36	-1.72	-0.89	1.72e-04	0.0	2.03e-05
3795	68	0.29	0.29	-0.76	2.78e-05	0.0	-1.47e-05
3795	88	0.25	-1.16	-0.63	1.18e-04	0.0	-1.44e-05
3795	98	0.24	-0.21	-0.61	5.40e-05	0.0	-1.33e-05
3795	105	0.23	-0.39	-0.57	6.36e-05	0.0	-1.28e-05
3795	107	0.23	-0.20	-0.58	5.17e-05	0.0	-1.27e-05
3795	112	8.41	3.98	-0.83	-1.70e-04	0.0	-5.75e-04
3795	124	-0.38	7.85	-0.87	-4.17e-04	0.0	4.26e-05
3795	139	-4.40	-8.75	-0.39	5.56e-04	0.0	3.62e-04
3795	144	9.44	4.50	-0.86	-1.98e-04	0.0	-6.46e-04
3795	156	-0.46	8.86	-0.91	-4.75e-04	0.0	5.00e-05
3795	171	-4.99	-9.82	-0.36	6.19e-04	0.0	4.10e-04
3795	176	9.39	4.44	-0.86	-1.93e-04	0.0	-6.32e-04
3795	188	-0.45	8.69	-0.90	-4.65e-04	0.0	5.14e-05
3795	203	-5.00	-9.73	-0.36	6.12e-04	0.0	4.10e-04
3795	208	10.97	5.22	-0.90	-2.33e-04	0.0	-7.34e-04
3795	220	-0.56	10.12	-0.95	-5.48e-04	0.0	6.53e-05
3795	235	-5.96	-11.32	-0.32	7.04e-04	0.0	4.89e-04
3796	4	0.48	0.45	-1.10	2.47e-05	0.0	-3.29e-05
3796	44	0.41	-1.80	-0.89	1.58e-04	0.0	-3.01e-05
3796	68	0.34	0.28	-0.77	1.96e-05	0.0	-2.32e-05
3796	88	0.29	-1.22	-0.63	1.08e-04	0.0	-2.14e-05
3796	98	0.28	-0.24	-0.61	4.59e-05	0.0	-2.01e-05
3796	105	0.26	-0.42	-0.58	5.57e-05	0.0	-1.92e-05
3796	107	0.26	-0.23	-0.58	4.41e-05	0.0	-1.92e-05
3796	112	8.70	4.07	-0.82	-2.37e-05	0.0	-5.96e-04
3796	124	-0.38	8.08	-0.87	-3.76e-04	0.0	3.87e-05
3796	139	-4.51	-9.04	-0.39	5.51e-04	0.0	3.66e-04
3796	144	9.77	4.61	-0.85	-3.21e-05	0.0	-6.69e-04
3796	156	-0.46	9.11	-0.90	-4.29e-04	0.0	4.64e-05
3796	171	-5.12	-10.15	-0.36	6.15e-04	0.0	4.16e-04
3796	176	9.72	4.55	-0.85	-3.35e-05	0.0	-6.55e-04
3796	188	-0.45	8.94	-0.90	-4.20e-04	0.0	4.79e-05
3796	203	-5.13	-10.05	-0.36	6.07e-04	0.0	4.15e-04
3796	208	11.34	5.34	-0.90	-4.73e-05	0.0	-7.59e-04
3796	220	-0.57	10.42	-0.95	-4.95e-04	0.0	6.24e-05
3796	235	-6.12	-11.69	-0.33	7.00e-04	0.0	4.96e-04
3797	4	0.55	0.44	-1.10	2.27e-05	0.0	-3.45e-05

3797	44	0.48	-1.88	-0.90	1.49e-04	0.0	-3.21e-05
3797	68	0.39	0.28	-0.77	1.81e-05	0.0	-2.45e-05
3797	88	0.34	-1.27	-0.63	1.02e-04	0.0	-2.28e-05
3797	98	0.32	-0.26	-0.61	4.24e-05	0.0	-2.12e-05
3797	105	0.30	-0.45	-0.58	5.20e-05	0.0	-2.04e-05
3797	107	0.30	-0.25	-0.58	4.07e-05	0.0	-2.04e-05
3797	112	9.01	4.16	-0.83	-2.43e-05	0.0	-6.07e-04
3797	124	-0.38	8.29	-0.87	-3.68e-04	0.0	4.35e-05
3797	139	-4.62	-9.33	-0.39	5.37e-04	0.0	3.65e-04
3797	144	10.11	4.71	-0.86	-3.24e-05	0.0	-6.81e-04
3797	156	-0.46	9.36	-0.91	-4.19e-04	0.0	5.20e-05
3797	171	-5.25	-10.46	-0.37	5.99e-04	0.0	4.14e-04
3797	176	10.05	4.65	-0.86	-3.43e-05	0.0	-6.68e-04
3797	188	-0.45	9.18	-0.90	-4.11e-04	0.0	5.41e-05
3797	203	-5.26	-10.36	-0.37	5.91e-04	0.0	4.14e-04
3797	208	11.73	5.46	-0.90	-4.79e-05	0.0	-7.74e-04
3797	220	-0.57	10.70	-0.96	-4.84e-04	0.0	7.02e-05
3797	235	-6.27	-12.05	-0.33	6.82e-04	0.0	4.95e-04
3798	4	0.36	0.49	-0.97	7.73e-05	0.0	1.84e-05
3798	44	0.31	-1.62	-0.79	2.05e-04	0.0	8.21e-06
3798	68	0.25	0.32	-0.68	5.62e-05	0.0	1.24e-05
3798	88	0.22	-1.09	-0.56	1.41e-04	0.0	5.63e-06
3798	98	0.21	-0.18	-0.54	7.68e-05	0.0	7.46e-06
3798	105	0.20	-0.35	-0.51	8.49e-05	0.0	6.41e-06
3798	107	0.20	-0.17	-0.52	7.32e-05	0.0	6.91e-06
3798	108	6.46	3.56	-0.85	-1.37e-04	0.0	-4.13e-04
3798	112	8.09	3.68	-0.82	-1.41e-04	0.0	-5.33e-04
3798	139	-4.26	-8.36	-0.35	5.46e-04	0.0	3.52e-04
3798	140	7.25	4.03	-0.90	-1.63e-04	0.0	-4.66e-04
3798	144	9.09	4.17	-0.86	-1.68e-04	0.0	-6.01e-04
3798	171	-4.83	-9.39	-0.32	6.05e-04	0.0	3.97e-04
3798	172	7.22	3.97	-0.89	-1.61e-04	0.0	-4.56e-04
3798	176	9.04	4.12	-0.86	-1.66e-04	0.0	-5.90e-04
3798	203	-4.85	-9.30	-0.32	5.99e-04	0.0	3.97e-04
3798	204	8.43	4.65	-0.96	-2.00e-04	0.0	-5.31e-04
3798	208	10.57	4.83	-0.91	-2.06e-04	0.0	-6.90e-04
3798	235	-5.78	-10.82	-0.29	6.86e-04	0.0	4.71e-04
3799	4	0.42	0.45	-1.01	5.08e-05	0.0	-1.85e-05
3799	44	0.36	-1.73	-0.82	1.82e-04	0.0	-1.88e-05
3799	68	0.29	0.29	-0.71	3.78e-05	0.0	-1.32e-05
3799	88	0.25	-1.17	-0.58	1.26e-04	0.0	-1.34e-05
3799	98	0.24	-0.22	-0.57	6.18e-05	0.0	-1.22e-05
3799	105	0.23	-0.39	-0.53	7.08e-05	0.0	-1.17e-05
3799	107	0.23	-0.21	-0.54	5.91e-05	0.0	-1.17e-05
3799	108	6.71	3.63	-0.88	-1.42e-04	0.0	-4.46e-04
3799	112	8.41	3.75	-0.84	-1.50e-04	0.0	-5.72e-04
3799	139	-4.40	-8.65	-0.36	5.49e-04	0.0	3.60e-04
3799	140	7.54	4.11	-0.92	-1.68e-04	0.0	-5.00e-04
3799	144	9.44	4.25	-0.88	-1.76e-04	0.0	-6.42e-04
3799	171	-4.99	-9.71	-0.34	6.10e-04	0.0	4.07e-04
3799	172	7.50	4.05	-0.92	-1.63e-04	0.0	-4.88e-04
3799	176	9.39	4.20	-0.88	-1.73e-04	0.0	-6.29e-04
3799	203	-5.00	-9.61	-0.34	6.03e-04	0.0	4.07e-04
3799	204	8.75	4.74	-0.98	-1.99e-04	0.0	-5.65e-04
3799	208	10.97	4.93	-0.94	-2.11e-04	0.0	-7.31e-04
3799	235	-5.96	-11.17	-0.30	6.92e-04	0.0	4.85e-04
3800	4	0.48	0.43	-1.02	3.01e-05	0.0	-3.29e-05
3800	44	0.41	-1.82	-0.83	1.62e-04	0.0	-3.01e-05
3800	68	0.34	0.27	-0.71	2.34e-05	0.0	-2.32e-05
3800	88	0.29	-1.23	-0.59	1.11e-04	0.0	-2.14e-05
3800	98	0.28	-0.25	-0.57	4.89e-05	0.0	-2.01e-05
3800	105	0.26	-0.43	-0.54	5.86e-05	0.0	-1.92e-05
3800	107	0.26	-0.24	-0.54	4.69e-05	0.0	-1.92e-05
3800	108	6.95	3.71	-0.87	-1.87e-05	0.0	-4.65e-04
3800	112	8.70	3.84	-0.84	-2.99e-05	0.0	-5.95e-04
3800	139	-4.51	-8.94	-0.37	5.57e-04	0.0	3.64e-04
3800	140	7.80	4.20	-0.91	-2.67e-05	0.0	-5.21e-04
3800	144	9.77	4.35	-0.88	-3.95e-05	0.0	-6.67e-04
3800	171	-5.12	-10.03	-0.34	6.20e-04	0.0	4.14e-04
3800	172	7.76	4.13	-0.91	-2.73e-05	0.0	-5.08e-04
3800	176	9.72	4.29	-0.87	-4.06e-05	0.0	-6.53e-04
3800	203	-5.13	-9.93	-0.34	6.12e-04	0.0	4.13e-04
3800	204	9.05	4.85	-0.97	-4.00e-05	0.0	-5.86e-04
3800	208	11.34	5.04	-0.93	-5.59e-05	0.0	-7.57e-04
3800	235	-6.12	-11.54	-0.31	7.05e-04	0.0	4.94e-04

3801	4	0.57	0.43	-1.01	2.50e-05	0.0	-3.21e-05
3801	44	0.49	-1.90	-0.82	1.50e-04	0.0	-3.04e-05
3801	68	0.40	0.27	-0.70	1.97e-05	0.0	-2.28e-05
3801	88	0.34	-1.28	-0.58	1.03e-04	0.0	-2.17e-05
3801	98	0.33	-0.27	-0.56	4.35e-05	0.0	-2.00e-05
3801	105	0.31	-0.45	-0.53	5.29e-05	0.0	-1.93e-05
3801	107	0.31	-0.26	-0.54	4.18e-05	0.0	-1.92e-05
3801	108	7.21	3.79	-0.83	-1.70e-05	0.0	-4.71e-04
3801	109	9.03	-1.02	-0.70	2.43e-04	0.0	-6.05e-04
3801	139	-4.62	-9.23	-0.36	5.37e-04	0.0	3.61e-04
3801	140	8.09	4.30	-0.87	-2.43e-05	0.0	-5.28e-04
3801	141	10.13	-1.12	-0.72	2.68e-04	0.0	-6.79e-04
3801	171	-5.24	-10.36	-0.34	5.99e-04	0.0	4.10e-04
3801	172	8.05	4.23	-0.87	-2.59e-05	0.0	-5.15e-04
3801	176	10.07	4.39	-0.83	-4.01e-05	0.0	-6.62e-04
3801	203	-5.26	-10.25	-0.34	5.90e-04	0.0	4.09e-04
3801	204	9.38	4.96	-0.92	-3.82e-05	0.0	-5.94e-04
3801	208	11.75	5.17	-0.88	-5.51e-05	0.0	-7.68e-04
3801	235	-6.27	-11.92	-0.31	6.81e-04	0.0	4.89e-04
3802	4	0.55	0.43	-1.12	2.82e-05	0.0	-3.39e-05
3802	44	0.48	-1.95	-0.91	1.46e-04	0.0	-2.96e-05
3802	68	0.39	0.27	-0.78	2.16e-05	0.0	-2.40e-05
3802	88	0.34	-1.32	-0.64	1.00e-04	0.0	-2.12e-05
3802	98	0.32	-0.28	-0.62	4.29e-05	0.0	-2.05e-05
3802	105	0.30	-0.47	-0.59	5.18e-05	0.0	-1.95e-05
3802	107	0.30	-0.27	-0.59	4.11e-05	0.0	-1.96e-05
3802	112	9.17	4.25	-0.83	-1.99e-05	0.0	-6.17e-04
3802	124	-0.39	8.50	-0.88	-3.49e-04	0.0	4.26e-05
3802	139	-4.71	-9.59	-0.40	5.14e-04	0.0	3.72e-04
3802	144	10.29	4.81	-0.86	-2.74e-05	0.0	-6.93e-04
3802	156	-0.47	9.59	-0.92	-3.97e-04	0.0	5.09e-05
3802	171	-5.35	-10.76	-0.37	5.73e-04	0.0	4.23e-04
3802	176	10.23	4.75	-0.86	-2.95e-05	0.0	-6.80e-04
3802	188	-0.46	9.41	-0.91	-3.89e-04	0.0	5.29e-05
3802	203	-5.36	-10.66	-0.37	5.66e-04	0.0	4.23e-04
3802	208	11.93	5.58	-0.91	-4.24e-05	0.0	-7.89e-04
3802	220	-0.59	10.97	-0.97	-4.59e-04	0.0	6.87e-05
3802	235	-6.40	-12.39	-0.33	6.52e-04	0.0	5.06e-04
3803	4	0.54	0.41	-1.15	5.23e-05	0.0	-4.70e-05
3803	44	0.47	-2.03	-0.94	1.57e-04	0.0	-3.72e-05
3803	68	0.38	0.26	-0.80	3.81e-05	0.0	-3.30e-05
3803	88	0.33	-1.37	-0.66	1.08e-04	0.0	-2.65e-05
3803	98	0.31	-0.30	-0.64	5.38e-05	0.0	-2.73e-05
3803	105	0.30	-0.50	-0.60	6.13e-05	0.0	-2.55e-05
3803	107	0.30	-0.29	-0.61	5.12e-05	0.0	-2.59e-05
3803	112	9.33	4.32	-0.85	-4.60e-06	0.0	-6.40e-04
3803	124	-0.41	8.69	-0.90	-3.10e-04	0.0	2.77e-05
3803	139	-4.82	-9.84	-0.41	4.88e-04	0.0	3.82e-04
3803	144	10.47	4.90	-0.88	-1.16e-05	0.0	-7.18e-04
3803	156	-0.49	9.81	-0.94	-3.55e-04	0.0	3.48e-05
3803	171	-5.47	-11.03	-0.38	5.42e-04	0.0	4.34e-04
3803	176	10.41	4.83	-0.88	-1.35e-05	0.0	-7.06e-04
3803	188	-0.48	9.62	-0.93	-3.48e-04	0.0	3.63e-05
3803	203	-5.48	-10.93	-0.38	5.35e-04	0.0	4.35e-04
3803	208	12.14	5.68	-0.93	-2.54e-05	0.0	-8.19e-04
3803	220	-0.61	11.21	-0.99	-4.12e-04	0.0	5.01e-05
3803	235	-6.53	-12.70	-0.34	6.15e-04	0.0	5.22e-04
3804	4	0.58	0.37	-1.18	7.56e-05	0.0	-2.08e-05
3804	44	0.51	-2.11	-0.97	1.71e-04	0.0	-2.00e-05
3804	68	0.41	0.23	-0.83	5.40e-05	0.0	-1.50e-05
3804	88	0.36	-1.43	-0.68	1.18e-04	0.0	-1.44e-05
3804	98	0.34	-0.34	-0.65	6.52e-05	0.0	-1.38e-05
3804	105	0.32	-0.53	-0.62	7.14e-05	0.0	-1.33e-05
3804	107	0.32	-0.32	-0.62	6.19e-05	0.0	-1.33e-05
3804	112	9.49	4.38	-0.87	8.71e-06	0.0	-6.32e-04
3804	124	-0.40	8.84	-0.92	-2.84e-04	0.0	4.67e-05
3804	139	-4.87	-10.07	-0.42	4.78e-04	0.0	3.84e-04
3804	144	10.65	4.97	-0.90	2.08e-06	0.0	-7.10e-04
3804	156	-0.49	9.98	-0.96	-3.27e-04	0.0	5.48e-05
3804	171	-5.53	-11.29	-0.39	5.30e-04	0.0	4.35e-04
3804	176	10.58	4.90	-0.90	0.0	0.0	-6.99e-04
3804	188	-0.48	9.79	-0.96	-3.20e-04	0.0	5.72e-05
3804	203	-5.54	-11.18	-0.39	5.24e-04	0.0	4.37e-04
3804	208	12.34	5.76	-0.95	-1.11e-05	0.0	-8.14e-04
3804	220	-0.60	11.42	-1.01	-3.81e-04	0.0	7.29e-05

3804	235	-6.61	-13.00	-0.35	6.00e-04	0.0	5.22e-04
3805	4	0.56	0.41	-0.99	3.24e-05	0.0	-3.73e-05
3805	44	0.48	-1.97	-0.81	1.48e-04	0.0	-3.12e-05
3805	68	0.39	0.26	-0.70	2.45e-05	0.0	-2.63e-05
3805	88	0.34	-1.33	-0.58	1.01e-04	0.0	-2.23e-05
3805	98	0.32	-0.29	-0.56	4.50e-05	0.0	-2.20e-05
3805	105	0.31	-0.48	-0.53	5.36e-05	0.0	-2.08e-05
3805	107	0.31	-0.28	-0.53	4.30e-05	0.0	-2.10e-05
3805	108	7.32	3.86	-0.81	-8.52e-06	0.0	-4.85e-04
3805	112	9.17	4.00	-0.78	-1.96e-05	0.0	-6.18e-04
3805	139	-4.71	-9.48	-0.36	5.03e-04	0.0	3.70e-04
3805	140	8.21	4.38	-0.84	-1.49e-05	0.0	-5.44e-04
3805	144	10.29	4.54	-0.81	-2.74e-05	0.0	-6.94e-04
3805	171	-5.35	-10.64	-0.34	5.60e-04	0.0	4.21e-04
3805	172	8.17	4.30	-0.84	-1.70e-05	0.0	-5.32e-04
3805	176	10.23	4.48	-0.81	-3.01e-05	0.0	-6.81e-04
3805	203	-5.36	-10.53	-0.34	5.52e-04	0.0	4.21e-04
3805	204	9.52	5.05	-0.89	-2.82e-05	0.0	-6.14e-04
3805	208	11.94	5.27	-0.86	-4.39e-05	0.0	-7.90e-04
3805	235	-6.39	-12.24	-0.31	6.36e-04	0.0	5.04e-04
3806	4	0.55	0.39	-0.99	4.45e-05	0.0	-4.94e-05
3806	44	0.48	-2.04	-0.81	1.52e-04	0.0	-3.85e-05
3806	68	0.38	0.24	-0.69	3.27e-05	0.0	-3.46e-05
3806	88	0.34	-1.38	-0.57	1.04e-04	0.0	-2.73e-05
3806	98	0.32	-0.31	-0.56	4.99e-05	0.0	-2.83e-05
3806	105	0.30	-0.51	-0.52	5.77e-05	0.0	-2.64e-05
3806	107	0.30	-0.30	-0.53	4.75e-05	0.0	-2.69e-05
3806	112	9.33	4.07	-0.77	-1.05e-05	0.0	-6.41e-04
3806	124	-0.40	8.63	-0.80	-3.14e-04	0.0	2.74e-05
3806	139	-4.81	-9.72	-0.36	4.84e-04	0.0	3.79e-04
3806	144	10.48	4.62	-0.80	-1.77e-05	0.0	-7.18e-04
3806	156	-0.49	9.74	-0.83	-3.59e-04	0.0	3.47e-05
3806	171	-5.46	-10.91	-0.34	5.38e-04	0.0	4.31e-04
3806	172	8.31	4.37	-0.83	-8.37e-06	0.0	-5.54e-04
3806	176	10.41	4.55	-0.80	-2.06e-05	0.0	-7.06e-04
3806	203	-5.47	-10.80	-0.34	5.31e-04	0.0	4.33e-04
3806	204	9.69	5.14	-0.88	-1.91e-05	0.0	-6.40e-04
3806	208	12.15	5.35	-0.85	-3.36e-05	0.0	-8.19e-04
3806	235	-6.52	-12.54	-0.31	6.11e-04	0.0	5.19e-04
3807	4	0.58	0.37	-0.99	4.93e-05	0.0	-1.84e-05
3807	44	0.51	-2.12	-0.81	1.54e-04	0.0	-1.75e-05
3807	68	0.41	0.22	-0.70	3.59e-05	0.0	-1.32e-05
3807	88	0.36	-1.43	-0.57	1.06e-04	0.0	-1.26e-05
3807	98	0.34	-0.34	-0.56	5.19e-05	0.0	-1.21e-05
3807	105	0.32	-0.54	-0.53	5.94e-05	0.0	-1.17e-05
3807	107	0.32	-0.32	-0.53	4.94e-05	0.0	-1.17e-05
3807	112	9.48	4.13	-0.77	-6.94e-06	0.0	-6.30e-04
3807	124	-0.40	8.80	-0.80	-3.04e-04	0.0	4.91e-05
3807	139	-4.87	-9.96	-0.37	4.76e-04	0.0	3.84e-04
3807	144	10.64	4.69	-0.80	-1.40e-05	0.0	-7.08e-04
3807	156	-0.49	9.94	-0.83	-3.48e-04	0.0	5.73e-05
3807	171	-5.53	-11.17	-0.34	5.29e-04	0.0	4.35e-04
3807	172	8.44	4.44	-0.83	-5.15e-06	0.0	-5.46e-04
3807	176	10.58	4.62	-0.80	-1.69e-05	0.0	-6.97e-04
3807	203	-5.54	-11.06	-0.34	5.22e-04	0.0	4.37e-04
3807	204	9.84	5.21	-0.88	-1.57e-05	0.0	-6.33e-04
3807	208	12.34	5.44	-0.84	-2.98e-05	0.0	-8.12e-04
3807	235	-6.61	-12.84	-0.31	6.00e-04	0.0	5.23e-04
3808	4	0.37	0.51	-0.30	5.42e-05	0.0	-4.73e-06
3808	44	0.32	-1.61	-0.25	1.75e-04	0.0	-4.93e-06
3808	68	0.26	0.33	-0.21	3.99e-05	0.0	-3.54e-06
3808	88	0.22	-1.08	-0.18	1.21e-04	0.0	-3.67e-06
3808	98	0.21	-0.17	-0.18	6.04e-05	0.0	-3.83e-06
3808	105	0.20	-0.34	-0.17	6.88e-05	0.0	-3.69e-06
3808	107	0.20	-0.16	-0.17	5.77e-05	0.0	-3.75e-06
3808	112	8.14	3.07	0.02	-2.10e-04	0.0	-5.64e-04
3808	114	-6.09	1.26	-0.43	-8.89e-05	0.0	4.34e-04
3808	139	-4.28	-8.21	-0.11	7.66e-04	0.0	3.55e-04
3808	144	9.14	3.48	0.04	-2.43e-04	0.0	-6.35e-04
3808	146	-6.88	1.44	-0.47	-1.07e-04	0.0	4.90e-04
3808	171	-4.86	-9.21	-0.11	8.54e-04	0.0	4.02e-04
3808	176	9.10	3.43	0.04	-2.38e-04	0.0	-6.27e-04
3808	178	-6.85	1.42	-0.46	-1.05e-04	0.0	4.81e-04
3808	203	-4.88	-9.11	-0.11	8.42e-04	0.0	4.05e-04
3808	208	10.63	4.02	0.08	-2.86e-04	0.0	-7.33e-04

3808	210	-8.06	1.67	-0.51	-1.32e-04	0.0	5.62e-04
3808	235	-5.81	-10.58	-0.10	9.70e-04	0.0	4.83e-04
3809	4	0.37	0.50	-0.26	5.45e-05	0.0	-4.68e-06
3809	44	0.32	-1.61	-0.22	1.76e-04	0.0	-4.90e-06
3809	68	0.26	0.33	-0.19	4.02e-05	0.0	-3.51e-06
3809	88	0.22	-1.08	-0.16	1.21e-04	0.0	-3.65e-06
3809	98	0.21	-0.17	-0.16	6.08e-05	0.0	-3.80e-06
3809	105	0.20	-0.34	-0.15	6.92e-05	0.0	-3.67e-06
3809	107	0.20	-0.17	-0.15	5.81e-05	0.0	-3.73e-06
3809	112	8.14	2.77	-0.04	-1.86e-04	0.0	-5.64e-04
3809	114	-6.09	1.53	-0.31	-1.02e-04	0.0	4.34e-04
3809	139	-4.28	-8.07	-0.12	7.44e-04	0.0	3.55e-04
3809	144	9.14	3.14	-0.03	-2.16e-04	0.0	-6.35e-04
3809	146	-6.88	1.74	-0.33	-1.22e-04	0.0	4.90e-04
3809	171	-4.86	-9.06	-0.11	8.29e-04	0.0	4.02e-04
3809	176	9.09	3.10	-0.03	-2.12e-04	0.0	-6.27e-04
3809	178	-6.85	1.71	-0.33	-1.20e-04	0.0	4.81e-04
3809	203	-4.88	-8.95	-0.11	8.18e-04	0.0	4.05e-04
3809	208	10.63	3.63	-8.01e-03	-2.55e-04	0.0	-7.33e-04
3809	210	-8.06	2.01	-0.35	-1.49e-04	0.0	5.62e-04
3809	235	-5.81	-10.39	-0.11	9.41e-04	0.0	4.83e-04
3810	4	0.43	0.48	-0.31	5.35e-05	0.0	-5.19e-06
3810	44	0.37	-1.70	-0.26	1.75e-04	0.0	-5.59e-06
3810	68	0.30	0.31	-0.22	3.95e-05	0.0	-3.90e-06
3810	88	0.26	-1.14	-0.19	1.20e-04	0.0	-4.17e-06
3810	98	0.25	-0.20	-0.19	6.02e-05	0.0	-4.24e-06
3810	105	0.24	-0.38	-0.18	6.86e-05	0.0	-4.11e-06
3810	107	0.24	-0.19	-0.18	5.75e-05	0.0	-4.16e-06
3810	112	8.43	3.18	6.98e-03	-1.80e-04	0.0	-5.87e-04
3810	114	-6.25	1.31	-0.44	-7.36e-05	0.0	4.48e-04
3810	139	-4.39	-8.60	-0.12	6.88e-04	0.0	3.73e-04
3810	144	9.46	3.60	0.03	-2.10e-04	0.0	-6.60e-04
3810	146	-7.07	1.49	-0.47	-8.99e-05	0.0	5.05e-04
3810	171	-4.98	-9.65	-0.11	7.67e-04	0.0	4.22e-04
3810	176	9.41	3.55	0.03	-2.05e-04	0.0	-6.52e-04
3810	178	-7.03	1.47	-0.47	-8.84e-05	0.0	4.96e-04
3810	203	-5.00	-9.53	-0.11	7.56e-04	0.0	4.25e-04
3810	208	10.99	4.17	0.06	-2.48e-04	0.0	-7.62e-04
3810	210	-8.29	1.74	-0.51	-1.12e-04	0.0	5.79e-04
3810	235	-5.95	-11.07	-0.10	8.70e-04	0.0	5.07e-04
3811	4	0.43	0.48	-0.27	5.43e-05	0.0	-5.14e-06
3811	44	0.37	-1.70	-0.23	1.76e-04	0.0	-5.59e-06
3811	68	0.30	0.30	-0.19	4.01e-05	0.0	-3.87e-06
3811	88	0.26	-1.15	-0.17	1.21e-04	0.0	-4.17e-06
3811	98	0.25	-0.21	-0.17	6.07e-05	0.0	-4.22e-06
3811	105	0.24	-0.38	-0.16	6.91e-05	0.0	-4.10e-06
3811	107	0.24	-0.20	-0.16	5.80e-05	0.0	-4.15e-06
3811	112	8.43	2.87	-0.05	-1.59e-04	0.0	-5.86e-04
3811	114	-6.25	1.58	-0.31	-8.49e-05	0.0	4.48e-04
3811	139	-4.39	-8.45	-0.12	6.68e-04	0.0	3.73e-04
3811	144	9.46	3.25	-0.03	-1.86e-04	0.0	-6.60e-04
3811	146	-7.07	1.80	-0.33	-1.03e-04	0.0	5.05e-04
3811	171	-4.98	-9.48	-0.12	7.45e-04	0.0	4.21e-04
3811	176	9.41	3.20	-0.04	-1.82e-04	0.0	-6.52e-04
3811	178	-7.03	1.77	-0.33	-1.01e-04	0.0	4.96e-04
3811	203	-5.00	-9.36	-0.12	7.34e-04	0.0	4.25e-04
3811	208	10.99	3.76	-0.01	-2.21e-04	0.0	-7.62e-04
3811	210	-8.28	2.09	-0.36	-1.27e-04	0.0	5.79e-04
3811	235	-5.95	-10.86	-0.11	8.44e-04	0.0	5.07e-04
3812	4	0.50	0.45	-0.33	5.27e-05	0.0	-6.18e-06
3812	44	0.43	-1.79	-0.28	1.74e-04	0.0	-6.58e-06
3812	68	0.35	0.29	-0.24	3.90e-05	0.0	-4.63e-06
3812	88	0.30	-1.21	-0.20	1.20e-04	0.0	-4.90e-06
3812	98	0.29	-0.23	-0.20	5.98e-05	0.0	-4.90e-06
3812	105	0.27	-0.41	-0.19	6.83e-05	0.0	-4.77e-06
3812	107	0.27	-0.22	-0.19	5.71e-05	0.0	-4.82e-06
3812	112	8.71	3.26	-0.02	-1.38e-04	0.0	-6.05e-04
3812	114	-6.41	1.34	-0.43	-5.15e-05	0.0	4.59e-04
3812	139	-4.50	-8.93	-0.13	5.77e-04	0.0	3.88e-04
3812	144	9.78	3.70	4.82e-03	-1.63e-04	0.0	-6.82e-04
3812	146	-7.26	1.53	-0.46	-6.50e-05	0.0	5.17e-04
3812	171	-5.10	-10.02	-0.12	6.42e-04	0.0	4.39e-04
3812	176	9.72	3.65	2.05e-03	-1.59e-04	0.0	-6.73e-04
3812	178	-7.22	1.51	-0.46	-6.39e-05	0.0	5.08e-04
3812	203	-5.12	-9.90	-0.13	6.33e-04	0.0	4.43e-04

3812	208	11.35	4.29	0.03	-1.94e-04	0.0	-7.86e-04
3812	210	-8.51	1.79	-0.51	-8.38e-05	0.0	5.93e-04
3812	235	-6.10	-11.50	-0.12	7.28e-04	0.0	5.28e-04
3813	4	0.50	0.45	-0.28	5.39e-05	0.0	-6.14e-06
3813	44	0.43	-1.79	-0.24	1.76e-04	0.0	-6.61e-06
3813	68	0.35	0.28	-0.20	3.98e-05	0.0	-4.61e-06
3813	88	0.30	-1.21	-0.17	1.21e-04	0.0	-4.92e-06
3813	98	0.29	-0.24	-0.17	6.06e-05	0.0	-4.90e-06
3813	105	0.27	-0.42	-0.16	6.90e-05	0.0	-4.78e-06
3813	107	0.27	-0.23	-0.16	5.79e-05	0.0	-4.82e-06
3813	112	8.71	2.94	-0.05	-1.20e-04	0.0	-6.05e-04
3813	114	-6.42	1.62	-0.32	-6.03e-05	0.0	4.59e-04
3813	139	-4.50	-8.77	-0.13	5.61e-04	0.0	3.87e-04
3813	144	9.78	3.34	-0.04	-1.43e-04	0.0	-6.81e-04
3813	146	-7.26	1.85	-0.34	-7.50e-05	0.0	5.17e-04
3813	171	-5.11	-9.84	-0.12	6.24e-04	0.0	4.38e-04
3813	176	9.73	3.29	-0.04	-1.39e-04	0.0	-6.72e-04
3813	178	-7.22	1.82	-0.34	-7.34e-05	0.0	5.08e-04
3813	203	-5.12	-9.72	-0.12	6.15e-04	0.0	4.41e-04
3813	208	11.35	3.87	-0.02	-1.71e-04	0.0	-7.85e-04
3813	210	-8.51	2.15	-0.37	-9.49e-05	0.0	5.93e-04
3813	235	-6.11	-11.28	-0.12	7.06e-04	0.0	5.27e-04
3814	4	0.58	0.42	-0.37	5.18e-05	0.0	-7.69e-06
3814	44	0.49	-1.88	-0.31	1.74e-04	0.0	-7.71e-06
3814	68	0.40	0.27	-0.26	3.83e-05	0.0	-5.71e-06
3814	88	0.35	-1.27	-0.22	1.20e-04	0.0	-5.73e-06
3814	98	0.33	-0.27	-0.22	5.93e-05	0.0	-5.77e-06
3814	105	0.31	-0.45	-0.21	6.78e-05	0.0	-5.59e-06
3814	107	0.32	-0.25	-0.21	5.67e-05	0.0	-5.66e-06
3814	109	9.03	-1.79	-0.01	1.96e-04	0.0	-6.12e-04
3814	114	-6.59	1.36	-0.43	-8.61e-05	0.0	4.66e-04
3814	139	-4.61	-9.20	-0.15	4.39e-04	0.0	4.02e-04
3814	141	10.14	-1.98	0.01	2.13e-04	0.0	-6.88e-04
3814	146	-7.46	1.56	-0.45	-1.04e-04	0.0	5.26e-04
3814	171	-5.24	-10.32	-0.14	4.87e-04	0.0	4.55e-04
3814	176	10.08	3.72	-0.04	-3.34e-05	0.0	-6.90e-04
3814	178	-7.42	1.54	-0.45	-1.01e-04	0.0	5.16e-04
3814	203	-5.25	-10.20	-0.14	4.80e-04	0.0	4.58e-04
3814	208	11.75	4.37	-0.01	-4.84e-05	0.0	-8.06e-04
3814	210	-8.75	1.83	-0.49	-1.26e-04	0.0	6.02e-04
3814	235	-6.27	-11.84	-0.14	5.50e-04	0.0	5.46e-04
3815	4	0.56	0.42	-0.28	5.35e-05	0.0	-7.72e-06
3815	44	0.48	-1.89	-0.24	1.75e-04	0.0	-7.99e-06
3815	68	0.39	0.26	-0.20	3.96e-05	0.0	-5.74e-06
3815	88	0.34	-1.27	-0.18	1.21e-04	0.0	-5.92e-06
3815	98	0.32	-0.27	-0.17	6.04e-05	0.0	-5.87e-06
3815	105	0.31	-0.45	-0.17	6.89e-05	0.0	-5.71e-06
3815	107	0.31	-0.26	-0.17	5.78e-05	0.0	-5.76e-06
3815	109	9.01	-2.10	-0.02	1.47e-04	0.0	-6.11e-04
3815	114	-6.59	1.64	-0.33	-3.33e-05	0.0	4.67e-04
3815	139	-4.61	-9.03	-0.13	4.43e-04	0.0	3.98e-04
3815	141	10.11	-2.33	2.28e-03	1.58e-04	0.0	-6.88e-04
3815	146	-7.46	1.88	-0.35	-4.46e-05	0.0	5.26e-04
3815	171	-5.24	-10.13	-0.12	4.91e-04	0.0	4.50e-04
3815	176	10.05	3.35	-0.04	-9.22e-05	0.0	-6.88e-04
3815	178	-7.41	1.85	-0.35	-4.35e-05	0.0	5.16e-04
3815	203	-5.25	-10.00	-0.13	4.84e-04	0.0	4.53e-04
3815	208	11.73	3.94	-0.02	-1.16e-04	0.0	-8.03e-04
3815	210	-8.74	2.19	-0.38	-6.02e-05	0.0	6.02e-04
3815	235	-6.27	-11.60	-0.12	5.54e-04	0.0	5.41e-04
3816	4	0.37	0.50	-0.23	5.48e-05	0.0	-4.49e-06
3816	44	0.32	-1.61	-0.20	1.76e-04	0.0	-4.84e-06
3816	68	0.26	0.32	-0.17	4.05e-05	0.0	-3.38e-06
3816	88	0.22	-1.09	-0.15	1.21e-04	0.0	-3.61e-06
3816	98	0.21	-0.18	-0.14	6.11e-05	0.0	-3.73e-06
3816	105	0.20	-0.35	-0.14	6.96e-05	0.0	-3.61e-06
3816	107	0.20	-0.17	-0.14	5.85e-05	0.0	-3.66e-06
3816	112	8.14	2.47	-0.07	-1.61e-04	0.0	-5.64e-04
3816	114	-6.09	1.79	-0.23	-1.16e-04	0.0	4.34e-04
3816	135	-4.67	-7.94	-0.12	7.22e-04	0.0	3.50e-04
3816	144	9.14	2.80	-0.07	-1.88e-04	0.0	-6.35e-04
3816	146	-6.88	2.04	-0.24	-1.38e-04	0.0	4.90e-04
3816	167	-5.29	-8.91	-0.12	8.05e-04	0.0	3.95e-04
3816	176	9.09	2.76	-0.07	-1.84e-04	0.0	-6.27e-04
3816	178	-6.84	2.00	-0.24	-1.35e-04	0.0	4.81e-04

3816	203	-4.88	-8.79	-0.12	7.92e-04	0.0	4.05e-04
3816	208	10.63	3.24	-0.05	-2.23e-04	0.0	-7.33e-04
3816	210	-8.06	2.35	-0.26	-1.67e-04	0.0	5.62e-04
3816	235	-5.81	-10.19	-0.11	9.11e-04	0.0	4.83e-04
3817	4	0.43	0.47	-0.24	5.51e-05	0.0	-4.91e-06
3817	44	0.37	-1.70	-0.21	1.77e-04	0.0	-5.60e-06
3817	68	0.30	0.30	-0.17	4.07e-05	0.0	-3.72e-06
3817	88	0.26	-1.15	-0.15	1.22e-04	0.0	-4.17e-06
3817	98	0.25	-0.21	-0.15	6.13e-05	0.0	-4.16e-06
3817	105	0.24	-0.38	-0.14	6.98e-05	0.0	-4.06e-06
3817	107	0.24	-0.20	-0.14	5.86e-05	0.0	-4.09e-06
3817	112	8.42	2.55	-0.08	-1.37e-04	0.0	-5.86e-04
3817	114	-6.25	1.85	-0.24	-9.73e-05	0.0	4.48e-04
3817	135	-4.79	-8.30	-0.13	6.50e-04	0.0	3.67e-04
3817	144	9.46	2.90	-0.07	-1.61e-04	0.0	-6.59e-04
3817	146	-7.07	2.10	-0.25	-1.17e-04	0.0	5.05e-04
3817	167	-5.43	-9.32	-0.13	7.24e-04	0.0	4.14e-04
3817	176	9.41	2.86	-0.07	-1.57e-04	0.0	-6.51e-04
3817	178	-7.03	2.07	-0.25	-1.14e-04	0.0	4.96e-04
3817	203	-5.00	-9.19	-0.12	7.13e-04	0.0	4.24e-04
3817	208	10.99	3.36	-0.06	-1.92e-04	0.0	-7.61e-04
3817	210	-8.28	2.44	-0.26	-1.42e-04	0.0	5.79e-04
3817	235	-5.95	-10.66	-0.12	8.19e-04	0.0	5.06e-04
3818	4	0.49	0.44	-0.24	5.53e-05	0.0	-5.96e-06
3818	44	0.42	-1.80	-0.21	1.77e-04	0.0	-6.72e-06
3818	68	0.35	0.28	-0.18	4.09e-05	0.0	-4.49e-06
3818	88	0.30	-1.21	-0.15	1.22e-04	0.0	-5.00e-06
3818	98	0.29	-0.24	-0.15	6.15e-05	0.0	-4.89e-06
3818	105	0.27	-0.42	-0.15	6.99e-05	0.0	-4.79e-06
3818	107	0.27	-0.23	-0.15	5.88e-05	0.0	-4.82e-06
3818	112	8.71	2.62	-0.08	-1.04e-04	0.0	-6.03e-04
3818	114	-6.42	1.89	-0.24	-7.08e-05	0.0	4.59e-04
3818	135	-4.92	-8.62	-0.13	5.51e-04	0.0	3.80e-04
3818	144	9.78	2.97	-0.07	-1.24e-04	0.0	-6.79e-04
3818	146	-7.26	2.16	-0.25	-8.70e-05	0.0	5.17e-04
3818	167	-5.58	-9.67	-0.13	6.12e-04	0.0	4.29e-04
3818	176	9.73	2.93	-0.07	-1.21e-04	0.0	-6.71e-04
3818	178	-7.22	2.12	-0.25	-8.49e-05	0.0	5.08e-04
3818	203	-5.12	-9.54	-0.12	6.03e-04	0.0	4.39e-04
3818	208	11.35	3.45	-0.06	-1.50e-04	0.0	-7.83e-04
3818	210	-8.51	2.50	-0.27	-1.08e-04	0.0	5.93e-04
3818	235	-6.11	-11.06	-0.12	6.92e-04	0.0	5.23e-04
3819	4	0.55	0.41	-0.25	5.55e-05	0.0	-7.66e-06
3819	44	0.47	-1.89	-0.21	1.77e-04	0.0	-8.28e-06
3819	68	0.39	0.26	-0.18	4.10e-05	0.0	-5.72e-06
3819	88	0.33	-1.28	-0.16	1.22e-04	0.0	-6.13e-06
3819	98	0.32	-0.27	-0.15	6.17e-05	0.0	-5.96e-06
3819	105	0.30	-0.46	-0.15	7.01e-05	0.0	-5.82e-06
3819	107	0.30	-0.26	-0.15	5.90e-05	0.0	-5.85e-06
3819	112	8.99	2.66	-0.08	-6.83e-05	0.0	-6.16e-04
3819	114	-6.58	1.92	-0.24	-4.22e-05	0.0	4.67e-04
3819	135	-5.05	-8.88	-0.13	4.43e-04	0.0	3.86e-04
3819	144	10.10	3.03	-0.07	-8.42e-05	0.0	-6.94e-04
3819	146	-7.46	2.20	-0.26	-5.48e-05	0.0	5.26e-04
3819	167	-5.73	-9.96	-0.13	4.91e-04	0.0	4.36e-04
3819	176	10.04	2.98	-0.07	-8.17e-05	0.0	-6.84e-04
3819	178	-7.41	2.16	-0.26	-5.31e-05	0.0	5.17e-04
3819	203	-5.25	-9.82	-0.12	4.85e-04	0.0	4.46e-04
3819	208	11.71	3.51	-0.06	-1.05e-04	0.0	-7.99e-04
3819	210	-8.74	2.55	-0.27	-7.14e-05	0.0	6.03e-04
3819	235	-6.27	-11.38	-0.12	5.54e-04	0.0	5.33e-04
3820	4	0.37	0.50	-0.23	5.52e-05	0.0	-4.22e-06
3820	44	0.32	-1.61	-0.20	1.77e-04	0.0	-4.88e-06
3820	68	0.26	0.32	-0.16	4.08e-05	0.0	-3.20e-06
3820	88	0.22	-1.09	-0.14	1.22e-04	0.0	-3.63e-06
3820	98	0.21	-0.18	-0.14	6.16e-05	0.0	-3.67e-06
3820	105	0.20	-0.35	-0.14	7.01e-05	0.0	-3.57e-06
3820	107	0.20	-0.17	-0.14	5.89e-05	0.0	-3.60e-06
3820	112	8.14	2.19	-0.10	-1.26e-04	0.0	-5.63e-04
3820	114	-6.08	2.05	-0.19	-1.41e-04	0.0	4.34e-04
3820	127	0.79	-7.83	-0.14	7.02e-04	0.0	-4.86e-05
3820	144	9.14	2.48	-0.10	-1.49e-04	0.0	-6.34e-04
3820	146	-6.88	2.32	-0.19	-1.66e-04	0.0	4.89e-04
3820	159	0.86	-8.79	-0.14	7.82e-04	0.0	-5.48e-05
3820	176	9.09	2.44	-0.10	-1.47e-04	0.0	-6.26e-04

3820	178	-6.84	2.29	-0.19	-1.61e-04	0.0	4.81e-04
3820	191	0.86	-8.66	-0.14	7.70e-04	0.0	-5.67e-05
3820	208	10.63	2.87	-0.09	-1.80e-04	0.0	-7.32e-04
3820	210	-8.06	2.68	-0.20	-1.97e-04	0.0	5.61e-04
3820	223	0.96	-10.03	-0.14	8.86e-04	0.0	-6.89e-05
3821	4	0.43	0.47	-0.23	5.59e-05	0.0	-4.53e-06
3821	44	0.37	-1.71	-0.20	1.78e-04	0.0	-5.69e-06
3821	68	0.30	0.30	-0.17	4.13e-05	0.0	-3.47e-06
3821	88	0.26	-1.15	-0.15	1.22e-04	0.0	-4.24e-06
3821	98	0.25	-0.21	-0.15	6.20e-05	0.0	-4.09e-06
3821	105	0.24	-0.39	-0.14	7.04e-05	0.0	-4.02e-06
3821	107	0.24	-0.20	-0.14	5.93e-05	0.0	-4.03e-06
3821	112	8.42	2.25	-0.11	-1.06e-04	0.0	-5.84e-04
3821	114	-6.25	2.11	-0.19	-1.20e-04	0.0	4.47e-04
3821	127	0.86	-8.19	-0.14	6.35e-04	0.0	-4.87e-05
3821	144	9.46	2.56	-0.10	-1.27e-04	0.0	-6.58e-04
3821	146	-7.07	2.40	-0.20	-1.42e-04	0.0	5.04e-04
3821	159	0.93	-9.18	-0.14	7.07e-04	0.0	-5.48e-05
3821	176	9.41	2.52	-0.10	-1.24e-04	0.0	-6.50e-04
3821	178	-7.03	2.36	-0.20	-1.38e-04	0.0	4.96e-04
3821	191	0.93	-9.05	-0.14	6.96e-04	0.0	-5.65e-05
3821	208	10.99	2.96	-0.09	-1.54e-04	0.0	-7.59e-04
3821	210	-8.28	2.78	-0.21	-1.70e-04	0.0	5.78e-04
3821	223	1.04	-10.49	-0.14	8.00e-04	0.0	-6.85e-05
3822	4	0.49	0.44	-0.24	5.69e-05	0.0	-5.63e-06
3822	44	0.42	-1.80	-0.21	1.78e-04	0.0	-6.95e-06
3822	68	0.35	0.28	-0.17	4.20e-05	0.0	-4.28e-06
3822	88	0.30	-1.22	-0.15	1.23e-04	0.0	-5.16e-06
3822	98	0.28	-0.24	-0.15	6.25e-05	0.0	-4.88e-06
3822	105	0.27	-0.42	-0.14	7.09e-05	0.0	-4.81e-06
3822	107	0.27	-0.23	-0.14	5.98e-05	0.0	-4.82e-06
3822	112	8.71	2.31	-0.11	-9.11e-05	0.0	-6.01e-04
3822	114	-6.42	2.16	-0.20	-7.84e-05	0.0	4.58e-04
3822	127	0.92	-8.50	-0.14	5.47e-04	0.0	-5.02e-05
3822	144	9.78	2.62	-0.10	-1.10e-04	0.0	-6.77e-04
3822	146	-7.27	2.46	-0.20	-9.57e-05	0.0	5.16e-04
3822	159	1.00	-9.53	-0.14	6.07e-04	0.0	-5.64e-05
3822	176	9.73	2.58	-0.10	-1.07e-04	0.0	-6.68e-04
3822	178	-7.22	2.42	-0.20	-9.37e-05	0.0	5.07e-04
3822	191	0.99	-9.39	-0.14	5.98e-04	0.0	-5.79e-05
3822	208	11.35	3.04	-0.10	-1.33e-04	0.0	-7.81e-04
3822	210	-8.51	2.85	-0.21	-1.19e-04	0.0	5.92e-04
3822	223	1.11	-10.88	-0.14	6.85e-04	0.0	-7.00e-05
3823	4	0.55	0.41	-0.24	5.77e-05	0.0	-7.50e-06
3823	44	0.47	-1.89	-0.21	1.79e-04	0.0	-8.64e-06
3823	68	0.38	0.26	-0.17	4.26e-05	0.0	-5.62e-06
3823	88	0.33	-1.28	-0.15	1.23e-04	0.0	-6.38e-06
3823	98	0.31	-0.28	-0.15	6.30e-05	0.0	-6.04e-06
3823	105	0.30	-0.46	-0.15	7.14e-05	0.0	-5.93e-06
3823	107	0.30	-0.26	-0.15	6.02e-05	0.0	-5.93e-06
3823	112	8.99	2.35	-0.11	-6.05e-05	0.0	-6.14e-04
3823	114	-6.58	2.20	-0.20	-4.78e-05	0.0	4.66e-04
3823	127	0.97	-8.76	-0.15	4.46e-04	0.0	-5.32e-05
3823	144	10.09	2.67	-0.10	-7.55e-05	0.0	-6.91e-04
3823	146	-7.45	2.50	-0.21	-6.13e-05	0.0	5.25e-04
3823	159	1.06	-9.82	-0.15	4.94e-04	0.0	-5.96e-05
3823	176	10.03	2.63	-0.10	-7.30e-05	0.0	-6.82e-04
3823	178	-7.41	2.46	-0.21	-5.97e-05	0.0	5.15e-04
3823	191	1.05	-9.68	-0.15	4.87e-04	0.0	-6.12e-05
3823	208	11.70	3.10	-0.10	-9.46e-05	0.0	-7.97e-04
3823	210	-8.73	2.90	-0.22	-7.92e-05	0.0	6.01e-04
3823	223	1.17	-11.20	-0.15	5.56e-04	0.0	-7.38e-05
3824	4	0.37	0.50	-0.24	5.51e-05	0.0	-4.06e-06
3824	44	0.32	-1.62	-0.21	1.78e-04	0.0	-5.10e-06
3824	68	0.26	0.32	-0.18	4.08e-05	0.0	-3.10e-06
3824	88	0.22	-1.09	-0.15	1.23e-04	0.0	-3.79e-06
3824	98	0.21	-0.18	-0.15	6.18e-05	0.0	-3.70e-06
3824	105	0.20	-0.35	-0.14	7.04e-05	0.0	-3.63e-06
3824	107	0.20	-0.17	-0.15	5.92e-05	0.0	-3.64e-06
3824	112	8.13	1.87	-0.13	-1.10e-04	0.0	-5.62e-04
3824	114	-6.08	2.33	-0.17	-1.48e-04	0.0	4.33e-04
3824	129	4.67	-7.92	-0.13	7.04e-04	0.0	-3.52e-04
3824	144	9.14	2.13	-0.13	-1.31e-04	0.0	-6.33e-04
3824	146	-6.88	2.64	-0.18	-1.73e-04	0.0	4.88e-04
3824	161	5.24	-8.89	-0.13	7.84e-04	0.0	-3.97e-04

3824	176	9.09	2.09	-0.13	-1.28e-04	0.0	-6.26e-04
3824	178	-6.84	2.60	-0.18	-1.69e-04	0.0	4.80e-04
3824	193	5.25	-8.77	-0.13	7.73e-04	0.0	-3.99e-04
3824	208	10.62	2.46	-0.12	-1.58e-04	0.0	-7.31e-04
3824	210	-8.06	3.05	-0.18	-2.06e-04	0.0	5.60e-04
3824	225	6.17	-10.17	-0.13	8.89e-04	0.0	-4.74e-04
3825	4	0.43	0.47	-0.25	5.67e-05	0.0	-4.26e-06
3825	44	0.37	-1.71	-0.22	1.79e-04	0.0	-6.08e-06
3825	68	0.30	0.30	-0.18	4.19e-05	0.0	-3.30e-06
3825	88	0.26	-1.15	-0.16	1.23e-04	0.0	-4.51e-06
3825	98	0.25	-0.21	-0.16	6.27e-05	0.0	-4.15e-06
3825	105	0.24	-0.39	-0.15	7.11e-05	0.0	-4.13e-06
3825	107	0.24	-0.20	-0.15	6.00e-05	0.0	-4.11e-06
3825	112	8.42	1.93	-0.13	-9.27e-05	0.0	-5.83e-04
3825	114	-6.25	2.40	-0.18	-1.25e-04	0.0	4.45e-04
3825	129	4.85	-8.28	-0.14	6.40e-04	0.0	-3.61e-04
3825	144	9.46	2.19	-0.13	-1.12e-04	0.0	-6.56e-04
3825	146	-7.07	2.73	-0.18	-1.48e-04	0.0	5.02e-04
3825	161	5.44	-9.29	-0.14	7.12e-04	0.0	-4.07e-04
3825	176	9.41	2.16	-0.13	-1.10e-04	0.0	-6.48e-04
3825	178	-7.03	2.68	-0.18	-1.44e-04	0.0	4.94e-04
3825	193	5.45	-9.16	-0.14	7.01e-04	0.0	-4.09e-04
3825	208	10.99	2.54	-0.13	-1.37e-04	0.0	-7.57e-04
3825	210	-8.28	3.15	-0.19	-1.77e-04	0.0	5.76e-04
3825	225	6.41	-10.62	-0.13	8.06e-04	0.0	-4.86e-04
3826	4	0.49	0.44	-0.26	5.85e-05	0.0	-5.36e-06
3826	44	0.42	-1.80	-0.22	1.80e-04	0.0	-7.48e-06
3826	68	0.35	0.28	-0.19	4.32e-05	0.0	-4.12e-06
3826	88	0.30	-1.22	-0.16	1.24e-04	0.0	-5.53e-06
3826	98	0.28	-0.25	-0.16	6.36e-05	0.0	-5.00e-06
3826	105	0.27	-0.43	-0.15	7.20e-05	0.0	-4.98e-06
3826	107	0.27	-0.23	-0.15	6.09e-05	0.0	-4.94e-06
3826	112	8.71	1.97	-0.14	-9.50e-05	0.0	-5.99e-04
3826	114	-6.42	2.46	-0.18	-6.90e-05	0.0	4.55e-04
3826	129	5.04	-8.59	-0.14	5.51e-04	0.0	-3.70e-04
3826	144	9.78	2.25	-0.13	-1.14e-04	0.0	-6.74e-04
3826	146	-7.27	2.80	-0.19	-8.53e-05	0.0	5.13e-04
3826	161	5.64	-9.64	-0.14	6.12e-04	0.0	-4.18e-04
3826	176	9.73	2.21	-0.13	-1.11e-04	0.0	-6.66e-04
3826	178	-7.22	2.75	-0.19	-8.37e-05	0.0	5.04e-04
3826	193	5.65	-9.50	-0.14	6.03e-04	0.0	-4.19e-04
3826	208	11.35	2.60	-0.13	-1.38e-04	0.0	-7.78e-04
3826	210	-8.51	3.23	-0.19	-1.07e-04	0.0	5.88e-04
3826	225	6.64	-11.02	-0.13	6.91e-04	0.0	-4.98e-04
3827	4	0.54	0.41	-0.26	6.01e-05	0.0	-7.28e-06
3827	44	0.47	-1.90	-0.23	1.81e-04	0.0	-9.20e-06
3827	68	0.38	0.25	-0.19	4.43e-05	0.0	-5.49e-06
3827	88	0.33	-1.28	-0.16	1.25e-04	0.0	-6.77e-06
3827	98	0.31	-0.28	-0.16	6.44e-05	0.0	-6.18e-06
3827	105	0.30	-0.46	-0.16	7.27e-05	0.0	-6.11e-06
3827	107	0.30	-0.27	-0.16	6.16e-05	0.0	-6.08e-06
3827	112	8.98	2.00	-0.14	-6.37e-05	0.0	-6.12e-04
3827	114	-6.58	2.50	-0.19	-4.22e-05	0.0	4.63e-04
3827	129	5.20	-8.86	-0.14	4.48e-04	0.0	-3.80e-04
3827	144	10.08	2.28	-0.13	-7.93e-05	0.0	-6.89e-04
3827	146	-7.45	2.84	-0.19	-5.51e-05	0.0	5.22e-04
3827	161	5.83	-9.93	-0.14	4.96e-04	0.0	-4.28e-04
3827	176	10.02	2.25	-0.13	-7.60e-05	0.0	-6.80e-04
3827	178	-7.41	2.80	-0.19	-5.42e-05	0.0	5.13e-04
3827	193	5.84	-9.79	-0.14	4.89e-04	0.0	-4.29e-04
3827	208	11.69	2.65	-0.13	-9.79e-05	0.0	-7.94e-04
3827	210	-8.73	3.29	-0.20	-7.33e-05	0.0	5.98e-04
3827	225	6.85	-11.34	-0.14	5.59e-04	0.0	-5.09e-04
3828	4	0.37	0.49	-0.29	5.48e-05	0.0	-4.46e-06
3828	44	0.32	-1.62	-0.25	1.79e-04	0.0	-5.76e-06
3828	68	0.26	0.32	-0.21	4.07e-05	0.0	-3.39e-06
3828	88	0.23	-1.09	-0.18	1.23e-04	0.0	-4.26e-06
3828	98	0.21	-0.18	-0.18	6.21e-05	0.0	-4.06e-06
3828	105	0.20	-0.35	-0.17	7.08e-05	0.0	-3.99e-06
3828	107	0.20	-0.17	-0.17	5.95e-05	0.0	-3.99e-06
3828	112	8.13	1.58	-0.16	-8.73e-05	0.0	-5.61e-04
3828	129	4.67	-8.05	-0.15	7.00e-04	0.0	-3.50e-04
3828	134	0.81	7.51	-0.19	-5.60e-04	0.0	-5.94e-05
3828	144	9.14	1.79	-0.16	-1.06e-04	0.0	-6.32e-04
3828	161	5.24	-9.03	-0.15	7.80e-04	0.0	-3.94e-04

3828	166	0.89	8.46	-0.19	-6.37e-04	0.0	-6.70e-05
3828	176	9.09	1.76	-0.16	-1.03e-04	0.0	-6.25e-04
3828	193	5.25	-8.91	-0.15	7.69e-04	0.0	-3.96e-04
3828	198	0.88	8.33	-0.19	-6.25e-04	0.0	-7.02e-05
3828	208	10.62	2.07	-0.16	-1.29e-04	0.0	-7.30e-04
3828	225	6.17	-10.35	-0.15	8.85e-04	0.0	-4.71e-04
3828	230	1.00	9.70	-0.20	-7.36e-04	0.0	-8.51e-05
3829	4	0.43	0.47	-0.30	5.74e-05	0.0	-4.77e-06
3829	44	0.37	-1.71	-0.26	1.80e-04	0.0	-7.23e-06
3829	68	0.30	0.30	-0.22	4.24e-05	0.0	-3.68e-06
3829	88	0.26	-1.16	-0.19	1.24e-04	0.0	-5.32e-06
3829	98	0.25	-0.21	-0.18	6.34e-05	0.0	-4.70e-06
3829	105	0.24	-0.39	-0.17	7.19e-05	0.0	-4.70e-06
3829	107	0.24	-0.20	-0.18	6.07e-05	0.0	-4.64e-06
3829	112	8.42	1.62	-0.17	-7.34e-05	0.0	-5.81e-04
3829	129	4.85	-8.40	-0.16	6.40e-04	0.0	-3.58e-04
3829	134	0.87	7.79	-0.20	-4.99e-04	0.0	-6.81e-05
3829	144	9.46	1.85	-0.17	-9.01e-05	0.0	-6.54e-04
3829	161	5.44	-9.43	-0.16	7.12e-04	0.0	-4.03e-04
3829	166	0.95	8.79	-0.20	-5.69e-04	0.0	-7.67e-05
3829	176	9.41	1.81	-0.17	-8.81e-05	0.0	-6.46e-04
3829	193	5.45	-9.31	-0.16	7.02e-04	0.0	-4.05e-04
3829	198	0.94	8.64	-0.20	-5.58e-04	0.0	-8.03e-05
3829	208	10.99	2.14	-0.17	-1.12e-04	0.0	-7.55e-04
3829	225	6.41	-10.80	-0.15	8.06e-04	0.0	-4.81e-04
3829	230	1.06	10.07	-0.21	-6.57e-04	0.0	-9.71e-05
3830	4	0.49	0.43	-0.31	6.02e-05	0.0	-5.62e-06
3830	44	0.42	-1.81	-0.26	1.82e-04	0.0	-8.69e-06
3830	68	0.35	0.27	-0.22	4.44e-05	0.0	-4.33e-06
3830	88	0.30	-1.22	-0.19	1.25e-04	0.0	-6.38e-06
3830	98	0.28	-0.25	-0.19	6.47e-05	0.0	-5.49e-06
3830	105	0.27	-0.43	-0.18	7.31e-05	0.0	-5.52e-06
3830	107	0.27	-0.24	-0.18	6.20e-05	0.0	-5.42e-06
3830	112	8.71	1.65	-0.17	-1.04e-04	0.0	-5.97e-04
3830	129	5.04	-8.72	-0.16	5.56e-04	0.0	-3.66e-04
3830	134	0.92	8.03	-0.20	-4.00e-04	0.0	-7.44e-05
3830	144	9.78	1.89	-0.17	-1.25e-04	0.0	-6.72e-04
3830	161	5.64	-9.78	-0.16	6.18e-04	0.0	-4.13e-04
3830	166	1.01	9.06	-0.21	-4.58e-04	0.0	-8.37e-05
3830	176	9.73	1.86	-0.17	-1.21e-04	0.0	-6.64e-04
3830	193	5.65	-9.65	-0.16	6.09e-04	0.0	-4.14e-04
3830	198	1.00	8.91	-0.21	-4.49e-04	0.0	-8.75e-05
3830	208	11.35	2.19	-0.17	-1.50e-04	0.0	-7.75e-04
3830	225	6.64	-11.19	-0.16	6.98e-04	0.0	-4.91e-04
3830	230	1.12	10.39	-0.21	-5.32e-04	0.0	-1.06e-04
3831	4	0.54	0.40	-0.31	6.26e-05	0.0	-7.11e-06
3831	44	0.47	-1.90	-0.27	1.83e-04	0.0	-1.01e-05
3831	68	0.38	0.25	-0.22	4.60e-05	0.0	-5.41e-06
3831	88	0.33	-1.29	-0.19	1.26e-04	0.0	-7.41e-06
3831	98	0.31	-0.28	-0.19	6.58e-05	0.0	-6.44e-06
3831	105	0.30	-0.47	-0.18	7.41e-05	0.0	-6.44e-06
3831	107	0.30	-0.27	-0.18	6.30e-05	0.0	-6.35e-06
3831	112	8.98	1.68	-0.17	-7.23e-05	0.0	-6.09e-04
3831	129	5.20	-8.98	-0.16	4.66e-04	0.0	-3.75e-04
3831	134	0.97	8.22	-0.21	-3.14e-04	0.0	-7.71e-05
3831	144	10.08	1.92	-0.17	-8.91e-05	0.0	-6.86e-04
3831	161	5.83	-10.07	-0.16	5.16e-04	0.0	-4.23e-04
3831	166	1.06	9.28	-0.21	-3.61e-04	0.0	-8.67e-05
3831	176	10.02	1.89	-0.17	-8.52e-05	0.0	-6.77e-04
3831	193	5.84	-9.94	-0.16	5.09e-04	0.0	-4.24e-04
3831	198	1.05	9.13	-0.21	-3.54e-04	0.0	-9.06e-05
3831	208	11.69	2.23	-0.17	-1.09e-04	0.0	-7.91e-04
3831	225	6.84	-11.53	-0.16	5.82e-04	0.0	-5.03e-04
3831	230	1.18	10.65	-0.21	-4.21e-04	0.0	-1.09e-04
3832	4	0.37	0.49	-0.37	5.49e-05	0.0	-6.47e-06
3832	44	0.32	-1.62	-0.31	1.81e-04	0.0	-7.56e-06
3832	68	0.26	0.32	-0.26	4.09e-05	0.0	-4.79e-06
3832	88	0.23	-1.09	-0.22	1.25e-04	0.0	-5.52e-06
3832	98	0.22	-0.18	-0.22	6.29e-05	0.0	-5.27e-06
3832	105	0.20	-0.36	-0.21	7.16e-05	0.0	-5.12e-06
3832	107	0.20	-0.18	-0.21	6.03e-05	0.0	-5.13e-06
3832	112	8.13	1.28	-0.21	-6.45e-05	0.0	-5.61e-04
3832	129	4.67	-8.17	-0.18	6.90e-04	0.0	-3.47e-04
3832	130	-4.26	7.82	-0.24	-5.69e-04	0.0	3.37e-04
3832	144	9.13	1.46	-0.21	-8.00e-05	0.0	-6.31e-04

3832	161	5.23	-9.17	-0.18	7.69e-04	0.0	-3.92e-04
3832	162	-4.83	8.82	-0.24	-6.48e-04	0.0	3.81e-04
3832	176	9.09	1.43	-0.21	-7.78e-05	0.0	-6.24e-04
3832	193	5.25	-9.06	-0.18	7.58e-04	0.0	-3.93e-04
3832	194	-4.84	8.71	-0.24	-6.37e-04	0.0	3.83e-04
3832	208	10.62	1.69	-0.21	-9.98e-05	0.0	-7.29e-04
3832	225	6.17	-10.52	-0.17	8.72e-04	0.0	-4.67e-04
3832	226	-5.76	10.17	-0.25	-7.52e-04	0.0	4.57e-04
3833	4	0.44	0.46	-0.39	5.80e-05	0.0	-7.22e-06
3833	44	0.37	-1.72	-0.32	1.82e-04	0.0	-9.86e-06
3833	68	0.30	0.29	-0.27	4.30e-05	0.0	-5.40e-06
3833	88	0.26	-1.16	-0.23	1.26e-04	0.0	-7.16e-06
3833	98	0.25	-0.22	-0.23	6.42e-05	0.0	-6.31e-06
3833	105	0.24	-0.39	-0.22	7.28e-05	0.0	-6.25e-06
3833	107	0.24	-0.21	-0.22	6.15e-05	0.0	-6.17e-06
3833	112	8.42	1.31	-0.22	-5.38e-05	0.0	-5.79e-04
3833	129	4.85	-8.52	-0.19	6.35e-04	0.0	-3.54e-04
3833	130	-4.37	8.11	-0.25	-5.12e-04	0.0	3.42e-04
3833	144	9.46	1.50	-0.22	-6.81e-05	0.0	-6.52e-04
3833	161	5.44	-9.56	-0.18	7.06e-04	0.0	-3.99e-04
3833	162	-4.96	9.15	-0.25	-5.83e-04	0.0	3.86e-04
3833	176	9.41	1.47	-0.22	-6.65e-05	0.0	-6.45e-04
3833	193	5.45	-9.44	-0.19	6.97e-04	0.0	-4.00e-04
3833	194	-4.98	9.03	-0.25	-5.74e-04	0.0	3.87e-04
3833	208	10.99	1.74	-0.22	-8.72e-05	0.0	-7.53e-04
3833	225	6.41	-10.96	-0.18	8.01e-04	0.0	-4.74e-04
3833	226	-5.93	10.55	-0.26	-6.78e-04	0.0	4.62e-04
3834	4	0.49	0.43	-0.39	6.14e-05	0.0	-7.13e-06
3834	44	0.42	-1.81	-0.33	1.83e-04	0.0	-1.10e-05
3834	68	0.35	0.27	-0.28	4.53e-05	0.0	-5.42e-06
3834	88	0.30	-1.23	-0.24	1.27e-04	0.0	-8.00e-06
3834	98	0.28	-0.25	-0.23	6.57e-05	0.0	-6.73e-06
3834	105	0.27	-0.43	-0.22	7.40e-05	0.0	-6.75e-06
3834	107	0.27	-0.24	-0.22	6.29e-05	0.0	-6.60e-06
3834	112	8.71	1.34	-0.22	-1.13e-04	0.0	-5.94e-04
3834	129	5.04	-8.83	-0.19	5.60e-04	0.0	-3.62e-04
3834	130	-4.49	8.35	-0.25	-4.34e-04	0.0	3.48e-04
3834	144	9.78	1.53	-0.23	-1.35e-04	0.0	-6.69e-04
3834	161	5.64	-9.91	-0.19	6.22e-04	0.0	-4.07e-04
3834	162	-5.10	9.43	-0.26	-4.96e-04	0.0	3.94e-04
3834	176	9.73	1.50	-0.22	-1.30e-04	0.0	-6.61e-04
3834	193	5.65	-9.79	-0.19	6.13e-04	0.0	-4.08e-04
3834	194	-5.11	9.31	-0.26	-4.88e-04	0.0	3.95e-04
3834	208	11.35	1.78	-0.23	-1.61e-04	0.0	-7.72e-04
3834	225	6.64	-11.36	-0.18	7.04e-04	0.0	-4.84e-04
3834	226	-6.09	10.88	-0.26	-5.78e-04	0.0	4.70e-04
3835	4	0.54	0.40	-0.40	6.45e-05	0.0	-7.08e-06
3835	44	0.47	-1.91	-0.33	1.85e-04	0.0	-1.14e-05
3835	68	0.38	0.25	-0.28	4.74e-05	0.0	-5.43e-06
3835	88	0.33	-1.29	-0.24	1.27e-04	0.0	-8.33e-06
3835	98	0.31	-0.29	-0.24	6.69e-05	0.0	-6.90e-06
3835	105	0.30	-0.47	-0.22	7.51e-05	0.0	-6.97e-06
3835	107	0.30	-0.27	-0.23	6.40e-05	0.0	-6.79e-06
3835	112	8.98	1.35	-0.23	-8.29e-05	0.0	-6.06e-04
3835	129	5.20	-9.11	-0.19	4.79e-04	0.0	-3.70e-04
3835	130	-4.61	8.56	-0.26	-3.51e-04	0.0	3.56e-04
3835	144	10.08	1.56	-0.23	-1.01e-04	0.0	-6.82e-04
3835	161	5.83	-10.21	-0.19	5.31e-04	0.0	-4.17e-04
3835	162	-5.23	9.66	-0.26	-4.03e-04	0.0	4.03e-04
3835	176	10.02	1.53	-0.23	-9.65e-05	0.0	-6.73e-04
3835	193	5.84	-10.09	-0.19	5.24e-04	0.0	-4.17e-04
3835	194	-5.24	9.54	-0.26	-3.95e-04	0.0	4.03e-04
3835	208	11.69	1.81	-0.23	-1.22e-04	0.0	-7.86e-04
3835	225	6.84	-11.70	-0.18	5.99e-04	0.0	-4.95e-04
3835	226	-6.25	11.15	-0.27	-4.71e-04	0.0	4.81e-04
3836	4	0.37	0.49	-0.50	5.67e-05	0.0	-1.20e-05
3836	44	0.32	-1.63	-0.41	1.84e-04	0.0	-1.17e-05
3836	68	0.26	0.31	-0.35	4.22e-05	0.0	-8.61e-06
3836	88	0.23	-1.10	-0.30	1.27e-04	0.0	-8.42e-06
3836	98	0.22	-0.19	-0.29	6.46e-05	0.0	-8.26e-06
3836	105	0.21	-0.36	-0.27	7.35e-05	0.0	-7.88e-06
3836	107	0.21	-0.18	-0.28	6.20e-05	0.0	-7.96e-06
3836	112	8.13	0.98	-0.30	-4.09e-05	0.0	-5.61e-04
3836	128	-0.77	7.26	-0.33	-5.09e-04	0.0	2.47e-05
3836	129	4.66	-8.29	-0.23	6.71e-04	0.0	-3.46e-04

3836	144	9.13	1.12	-0.30	-5.37e-05	0.0	-6.32e-04
3836	160	-0.89	8.18	-0.34	-5.81e-04	0.0	2.87e-05
3836	161	5.23	-9.30	-0.22	7.47e-04	0.0	-3.90e-04
3836	176	9.08	1.10	-0.30	-5.18e-05	0.0	-6.24e-04
3836	192	-0.83	8.07	-0.34	-5.71e-04	0.0	2.47e-05
3836	193	5.25	-9.20	-0.22	7.37e-04	0.0	-3.91e-04
3836	208	10.61	1.30	-0.30	-6.98e-05	0.0	-7.29e-04
3836	224	-0.95	9.40	-0.35	-6.73e-04	0.0	2.72e-05
3836	225	6.17	-10.69	-0.21	8.48e-04	0.0	-4.64e-04
3837	4	0.44	0.46	-0.52	5.86e-05	0.0	-1.30e-05
3837	44	0.37	-1.72	-0.43	1.84e-04	0.0	-1.48e-05
3837	68	0.31	0.29	-0.37	4.35e-05	0.0	-9.40e-06
3837	88	0.26	-1.16	-0.31	1.27e-04	0.0	-1.06e-05
3837	98	0.25	-0.22	-0.30	6.52e-05	0.0	-9.63e-06
3837	105	0.24	-0.40	-0.28	7.38e-05	0.0	-9.35e-06
3837	107	0.24	-0.21	-0.29	6.25e-05	0.0	-9.30e-06
3837	112	8.42	1.00	-0.31	-3.45e-05	0.0	-5.78e-04
3837	128	-0.79	7.51	-0.34	-4.65e-04	0.0	2.16e-05
3837	129	4.85	-8.63	-0.24	6.25e-04	0.0	-3.52e-04
3837	144	9.46	1.15	-0.31	-4.66e-05	0.0	-6.51e-04
3837	160	-0.91	8.48	-0.35	-5.31e-04	0.0	2.54e-05
3837	161	5.44	-9.68	-0.23	6.95e-04	0.0	-3.96e-04
3837	176	9.41	1.13	-0.31	-4.53e-05	0.0	-6.43e-04
3837	192	-0.85	8.36	-0.35	-5.22e-04	0.0	2.01e-05
3837	193	5.45	-9.57	-0.23	6.86e-04	0.0	-3.96e-04
3837	208	10.99	1.33	-0.31	-6.27e-05	0.0	-7.51e-04
3837	224	-0.97	9.75	-0.36	-6.16e-04	0.0	2.13e-05
3837	225	6.41	-11.12	-0.22	7.88e-04	0.0	-4.69e-04
3838	4	0.49	0.43	-0.53	6.09e-05	0.0	-1.06e-05
3838	44	0.42	-1.82	-0.44	1.84e-04	0.0	-1.48e-05
3838	68	0.35	0.27	-0.38	4.50e-05	0.0	-7.88e-06
3838	88	0.30	-1.23	-0.31	1.27e-04	0.0	-1.06e-05
3838	98	0.28	-0.26	-0.31	6.58e-05	0.0	-9.03e-06
3838	105	0.27	-0.44	-0.29	7.43e-05	0.0	-8.97e-06
3838	107	0.27	-0.24	-0.29	6.30e-05	0.0	-8.79e-06
3838	112	8.71	1.02	-0.32	-1.23e-04	0.0	-5.91e-04
3838	128	-0.80	7.74	-0.35	-4.05e-04	0.0	2.31e-05
3838	129	5.04	-8.94	-0.24	5.62e-04	0.0	-3.59e-04
3838	144	9.78	1.18	-0.32	-1.46e-04	0.0	-6.65e-04
3838	160	-0.93	8.74	-0.36	-4.64e-04	0.0	2.69e-05
3838	161	5.64	-10.03	-0.24	6.25e-04	0.0	-4.04e-04
3838	176	9.73	1.15	-0.32	-1.40e-04	0.0	-6.57e-04
3838	192	-0.87	8.61	-0.36	-4.56e-04	0.0	2.09e-05
3838	193	5.65	-9.92	-0.24	6.16e-04	0.0	-4.04e-04
3838	208	11.35	1.37	-0.32	-1.73e-04	0.0	-7.67e-04
3838	224	-0.99	10.05	-0.37	-5.40e-04	0.0	2.18e-05
3838	225	6.64	-11.51	-0.23	7.07e-04	0.0	-4.78e-04
3839	4	0.54	0.39	-0.54	6.47e-05	0.0	-7.66e-06
3839	44	0.47	-1.92	-0.44	1.85e-04	0.0	-1.33e-05
3839	68	0.38	0.24	-0.38	4.76e-05	0.0	-5.88e-06
3839	88	0.33	-1.30	-0.32	1.28e-04	0.0	-9.66e-06
3839	98	0.31	-0.29	-0.31	6.71e-05	0.0	-7.73e-06
3839	105	0.30	-0.47	-0.29	7.53e-05	0.0	-7.86e-06
3839	107	0.30	-0.28	-0.30	6.42e-05	0.0	-7.60e-06
3839	112	8.98	1.03	-0.32	-9.62e-05	0.0	-6.02e-04
3839	128	-0.81	7.94	-0.35	-3.39e-04	0.0	2.53e-05
3839	129	5.20	-9.22	-0.24	4.95e-04	0.0	-3.66e-04
3839	144	10.08	1.19	-0.32	-1.16e-04	0.0	-6.77e-04
3839	160	-0.95	8.96	-0.36	-3.89e-04	0.0	2.93e-05
3839	161	5.83	-10.34	-0.24	5.49e-04	0.0	-4.12e-04
3839	176	10.02	1.17	-0.32	-1.11e-04	0.0	-6.69e-04
3839	192	-0.88	8.83	-0.36	-3.83e-04	0.0	2.35e-05
3839	193	5.84	-10.22	-0.24	5.42e-04	0.0	-4.12e-04
3839	208	11.69	1.39	-0.33	-1.38e-04	0.0	-7.80e-04
3839	224	-1.02	10.31	-0.37	-4.56e-04	0.0	2.47e-05
3839	225	6.85	-11.86	-0.23	6.20e-04	0.0	-4.88e-04
3840	4	0.38	0.48	-0.70	6.20e-05	0.0	-2.39e-05
3840	44	0.32	-1.64	-0.57	1.91e-04	0.0	-1.99e-05
3840	68	0.26	0.31	-0.49	4.60e-05	0.0	-1.68e-05
3840	88	0.23	-1.10	-0.41	1.32e-04	0.0	-1.42e-05
3840	98	0.22	-0.19	-0.40	6.85e-05	0.0	-1.44e-05
3840	105	0.21	-0.36	-0.37	7.72e-05	0.0	-1.35e-05
3840	107	0.21	-0.18	-0.38	6.57e-05	0.0	-1.38e-05
3840	112	8.12	0.68	-0.42	-1.64e-05	0.0	-5.63e-04
3840	124	-0.38	7.21	-0.48	-4.67e-04	0.0	2.29e-05

3840	129	4.66	-8.40	-0.29	6.43e-04	0.0	-3.47e-04
3840	144	9.13	0.79	-0.42	-2.66e-05	0.0	-6.33e-04
3840	156	-0.46	8.13	-0.49	-5.34e-04	0.0	2.79e-05
3840	161	5.23	-9.43	-0.28	7.15e-04	0.0	-3.90e-04
3840	176	9.08	0.77	-0.42	-2.52e-05	0.0	-6.25e-04
3840	188	-0.45	8.03	-0.49	-5.25e-04	0.0	2.82e-05
3840	193	5.25	-9.33	-0.28	7.06e-04	0.0	-3.91e-04
3840	208	10.61	0.91	-0.43	-3.94e-05	0.0	-7.29e-04
3840	220	-0.55	9.38	-0.50	-6.22e-04	0.0	3.76e-05
3840	225	6.17	-10.85	-0.26	8.11e-04	0.0	-4.62e-04
3841	4	0.44	0.45	-0.73	5.81e-05	0.0	-2.20e-05
3841	44	0.37	-1.73	-0.59	1.86e-04	0.0	-2.16e-05
3841	68	0.31	0.28	-0.51	4.33e-05	0.0	-1.57e-05
3841	88	0.26	-1.17	-0.42	1.29e-04	0.0	-1.54e-05
3841	98	0.25	-0.23	-0.41	6.58e-05	0.0	-1.45e-05
3841	105	0.24	-0.40	-0.39	7.47e-05	0.0	-1.39e-05
3841	107	0.24	-0.22	-0.39	6.31e-05	0.0	-1.39e-05
3841	112	8.42	0.69	-0.43	-1.63e-05	0.0	-5.77e-04
3841	124	-0.38	7.45	-0.49	-4.41e-04	0.0	2.36e-05
3841	129	4.85	-8.73	-0.30	6.09e-04	0.0	-3.53e-04
3841	144	9.46	0.80	-0.44	-2.61e-05	0.0	-6.49e-04
3841	156	-0.46	8.40	-0.51	-5.04e-04	0.0	2.85e-05
3841	161	5.44	-9.80	-0.29	6.77e-04	0.0	-3.97e-04
3841	176	9.41	0.78	-0.44	-2.55e-05	0.0	-6.40e-04
3841	188	-0.45	8.30	-0.50	-4.97e-04	0.0	2.73e-05
3841	193	5.45	-9.69	-0.29	6.68e-04	0.0	-3.96e-04
3841	208	10.99	0.93	-0.44	-3.99e-05	0.0	-7.46e-04
3841	220	-0.56	9.70	-0.52	-5.88e-04	0.0	3.59e-05
3841	225	6.41	-11.27	-0.27	7.67e-04	0.0	-4.67e-04
3842	4	0.49	0.42	-0.74	5.68e-05	0.0	-1.62e-05
3842	44	0.42	-1.83	-0.61	1.82e-04	0.0	-1.97e-05
3842	68	0.35	0.26	-0.52	4.23e-05	0.0	-1.17e-05
3842	88	0.30	-1.24	-0.43	1.26e-04	0.0	-1.40e-05
3842	98	0.28	-0.26	-0.42	6.42e-05	0.0	-1.23e-05
3842	105	0.27	-0.44	-0.40	7.29e-05	0.0	-1.20e-05
3842	107	0.27	-0.25	-0.40	6.15e-05	0.0	-1.18e-05
3842	112	8.71	0.70	-0.44	-1.34e-04	0.0	-5.88e-04
3842	124	-0.38	7.67	-0.50	-4.41e-04	0.0	2.77e-05
3842	129	5.04	-9.04	-0.30	5.65e-04	0.0	-3.60e-04
3842	144	9.78	0.82	-0.45	-1.59e-04	0.0	-6.61e-04
3842	156	-0.46	8.66	-0.52	-5.03e-04	0.0	3.28e-05
3842	161	5.64	-10.14	-0.29	6.28e-04	0.0	-4.04e-04
3842	176	9.73	0.80	-0.44	-1.53e-04	0.0	-6.53e-04
3842	188	-0.45	8.55	-0.51	-4.95e-04	0.0	3.12e-05
3842	193	5.65	-10.03	-0.29	6.20e-04	0.0	-4.02e-04
3842	208	11.35	0.95	-0.45	-1.86e-04	0.0	-7.61e-04
3842	220	-0.56	9.99	-0.53	-5.85e-04	0.0	3.98e-05
3842	225	6.64	-11.65	-0.28	7.11e-04	0.0	-4.75e-04
3843	4	0.55	0.39	-0.75	6.13e-05	0.0	-1.08e-05
3843	44	0.47	-1.93	-0.61	1.82e-04	0.0	-1.68e-05
3843	68	0.38	0.24	-0.53	4.53e-05	0.0	-8.07e-06
3843	88	0.33	-1.30	-0.43	1.26e-04	0.0	-1.21e-05
3843	98	0.31	-0.29	-0.42	6.53e-05	0.0	-9.84e-06
3843	105	0.30	-0.48	-0.40	7.37e-05	0.0	-9.90e-06
3843	107	0.30	-0.28	-0.40	6.26e-05	0.0	-9.59e-06
3843	109	8.98	-4.30	-0.39	1.37e-04	0.0	-5.82e-04
3843	124	-0.38	7.87	-0.51	-3.89e-04	0.0	3.07e-05
3843	129	5.21	-9.32	-0.31	5.16e-04	0.0	-3.65e-04
3843	144	10.08	0.83	-0.45	-1.36e-04	0.0	-6.73e-04
3843	156	-0.46	8.89	-0.52	-4.45e-04	0.0	3.60e-05
3843	161	5.83	-10.45	-0.29	5.72e-04	0.0	-4.11e-04
3843	176	10.02	0.81	-0.45	-1.30e-04	0.0	-6.63e-04
3843	188	-0.45	8.78	-0.52	-4.37e-04	0.0	3.46e-05
3843	193	5.84	-10.34	-0.30	5.64e-04	0.0	-4.09e-04
3843	208	11.70	0.97	-0.46	-1.60e-04	0.0	-7.74e-04
3843	220	-0.57	10.26	-0.54	-5.19e-04	0.0	4.37e-05
3843	225	6.85	-12.01	-0.28	6.47e-04	0.0	-4.84e-04
3844	4	0.38	0.46	-1.02	7.44e-05	0.0	-4.43e-05
3844	44	0.33	-1.65	-0.82	2.03e-04	0.0	-3.35e-05
3844	68	0.27	0.29	-0.71	5.47e-05	0.0	-3.09e-05
3844	88	0.23	-1.11	-0.58	1.40e-04	0.0	-2.37e-05
3844	98	0.22	-0.20	-0.57	7.60e-05	0.0	-2.48e-05
3844	105	0.21	-0.37	-0.53	8.45e-05	0.0	-2.30e-05
3844	107	0.21	-0.19	-0.54	7.29e-05	0.0	-2.35e-05
3844	112	8.12	0.38	-0.61	9.56e-06	0.0	-5.64e-04

3844	129	4.66	-8.51	-0.36	6.12e-04	0.0	-3.51e-04
3844	130	-4.24	8.12	-0.72	-4.66e-04	0.0	3.04e-04
3844	144	9.12	0.45	-0.62	1.77e-06	0.0	-6.33e-04
3844	161	5.23	-9.56	-0.34	6.79e-04	0.0	-3.93e-04
3844	162	-4.81	9.17	-0.74	-5.33e-04	0.0	3.46e-04
3844	176	9.07	0.43	-0.62	2.23e-06	0.0	-6.23e-04
3844	193	5.25	-9.46	-0.34	6.71e-04	0.0	-3.91e-04
3844	194	-4.83	9.07	-0.74	-5.25e-04	0.0	3.44e-04
3844	208	10.60	0.52	-0.63	-9.08e-06	0.0	-7.24e-04
3844	225	6.17	-11.01	-0.31	7.69e-04	0.0	-4.60e-04
3844	226	-5.75	10.62	-0.77	-6.24e-04	0.0	4.13e-04
3845	4	0.44	0.43	-1.02	5.42e-05	0.0	-2.96e-05
3845	44	0.37	-1.75	-0.83	1.86e-04	0.0	-2.68e-05
3845	68	0.31	0.27	-0.72	4.07e-05	0.0	-2.09e-05
3845	88	0.26	-1.18	-0.59	1.29e-04	0.0	-1.90e-05
3845	98	0.25	-0.24	-0.57	6.49e-05	0.0	-1.85e-05
3845	105	0.24	-0.41	-0.54	7.41e-05	0.0	-1.75e-05
3845	107	0.24	-0.23	-0.54	6.23e-05	0.0	-1.76e-05
3845	112	8.42	0.38	-0.62	0.0	0.0	-5.74e-04
3845	124	-0.38	7.35	-0.73	-4.21e-04	0.0	2.16e-05
3845	129	4.85	-8.83	-0.38	5.93e-04	0.0	-3.56e-04
3845	144	9.46	0.46	-0.63	-8.15e-06	0.0	-6.44e-04
3845	156	-0.46	8.30	-0.75	-4.81e-04	0.0	2.67e-05
3845	161	5.44	-9.90	-0.35	6.59e-04	0.0	-3.99e-04
3845	176	9.41	0.44	-0.62	-8.42e-06	0.0	-6.34e-04
3845	188	-0.45	8.20	-0.75	-4.74e-04	0.0	2.53e-05
3845	193	5.46	-9.81	-0.36	6.51e-04	0.0	-3.96e-04
3845	208	10.99	0.53	-0.63	-2.02e-05	0.0	-7.37e-04
3845	220	-0.56	9.59	-0.78	-5.62e-04	0.0	3.40e-05
3845	225	6.41	-11.40	-0.33	7.48e-04	0.0	-4.67e-04
3846	4	0.50	0.41	-1.03	4.90e-05	0.0	-2.28e-05
3846	44	0.42	-1.84	-0.84	1.79e-04	0.0	-2.45e-05
3846	68	0.35	0.25	-0.72	3.70e-05	0.0	-1.63e-05
3846	88	0.30	-1.25	-0.59	1.23e-04	0.0	-1.74e-05
3846	98	0.29	-0.27	-0.57	6.07e-05	0.0	-1.58e-05
3846	105	0.27	-0.45	-0.54	7.00e-05	0.0	-1.53e-05
3846	107	0.27	-0.26	-0.55	5.84e-05	0.0	-1.52e-05
3846	112	8.71	0.39	-0.62	-1.49e-04	0.0	-5.85e-04
3846	124	-0.38	7.57	-0.74	-4.50e-04	0.0	2.61e-05
3846	129	5.04	-9.13	-0.38	5.68e-04	0.0	-3.62e-04
3846	144	9.78	0.46	-0.63	-1.74e-04	0.0	-6.57e-04
3846	156	-0.46	8.55	-0.76	-5.13e-04	0.0	3.14e-05
3846	161	5.64	-10.24	-0.35	6.32e-04	0.0	-4.06e-04
3846	176	9.73	0.45	-0.63	-1.68e-04	0.0	-6.47e-04
3846	188	-0.45	8.45	-0.76	-5.04e-04	0.0	2.94e-05
3846	193	5.65	-10.14	-0.36	6.23e-04	0.0	-4.03e-04
3846	208	11.35	0.55	-0.64	-2.03e-04	0.0	-7.52e-04
3846	220	-0.56	9.88	-0.79	-5.96e-04	0.0	3.82e-05
3846	225	6.64	-11.79	-0.32	7.17e-04	0.0	-4.75e-04
3847	4	0.55	0.38	-1.04	5.39e-05	0.0	-2.15e-05
3847	44	0.48	-1.94	-0.85	1.77e-04	0.0	-2.50e-05
3847	68	0.39	0.24	-0.73	4.02e-05	0.0	-1.55e-05
3847	88	0.34	-1.31	-0.60	1.22e-04	0.0	-1.78e-05
3847	98	0.32	-0.30	-0.58	6.15e-05	0.0	-1.57e-05
3847	105	0.30	-0.49	-0.55	7.03e-05	0.0	-1.53e-05
3847	107	0.30	-0.29	-0.55	5.91e-05	0.0	-1.51e-05
3847	109	8.99	-4.59	-0.53	1.26e-04	0.0	-5.81e-04
3847	124	-0.37	7.78	-0.75	-4.19e-04	0.0	2.68e-05
3847	129	5.22	-9.42	-0.38	5.39e-04	0.0	-3.70e-04
3847	141	10.09	-5.13	-0.53	1.34e-04	0.0	-6.53e-04
3847	156	-0.46	8.79	-0.77	-4.79e-04	0.0	3.22e-05
3847	161	5.84	-10.56	-0.36	5.99e-04	0.0	-4.16e-04
3847	176	10.03	0.45	-0.64	-1.54e-04	0.0	-6.62e-04
3847	188	-0.45	8.68	-0.77	-4.70e-04	0.0	3.06e-05
3847	193	5.85	-10.46	-0.36	5.91e-04	0.0	-4.13e-04
3847	208	11.71	0.56	-0.65	-1.87e-04	0.0	-7.70e-04
3847	220	-0.57	10.16	-0.80	-5.57e-04	0.0	3.98e-05
3847	225	6.86	-12.15	-0.33	6.79e-04	0.0	-4.87e-04
3848	4	0.40	0.40	-1.20	1.09e-04	1.49e-04	-4.92e-05
3848	44	0.34	-1.69	-0.96	2.29e-04	1.22e-04	-3.70e-05
3848	68	0.28	0.25	-0.84	7.89e-05	1.04e-04	-3.40e-05
3848	88	0.24	-1.14	-0.68	1.59e-04	8.55e-05	-2.59e-05
3848	98	0.23	-0.24	-0.66	9.48e-05	8.33e-05	-2.75e-05
3848	105	0.22	-0.40	-0.62	1.02e-04	7.81e-05	-2.53e-05
3848	107	0.22	-0.23	-0.63	9.06e-05	7.87e-05	-2.59e-05

3848	112	8.11	0.06	-0.83	-1.20e-04	5.52e-04	-5.54e-04
3848	124	-0.37	7.02	-0.95	-4.10e-04	3.99e-04	1.79e-05
3848	129	4.67	-8.63	-0.39	5.92e-04	-1.56e-05	-3.55e-04
3848	144	9.11	0.10	-0.86	-1.46e-04	6.12e-04	-6.20e-04
3848	156	-0.45	7.93	-0.99	-4.72e-04	4.39e-04	2.37e-05
3848	161	5.24	-9.68	-0.36	6.55e-04	-2.71e-05	-3.97e-04
3848	176	9.07	0.08	-0.85	-1.39e-04	6.03e-04	-6.07e-04
3848	188	-0.44	7.84	-0.98	-4.63e-04	4.33e-04	2.33e-05
3848	193	5.25	-9.60	-0.37	6.47e-04	-2.39e-05	-3.93e-04
3848	208	10.59	0.12	-0.88	-1.74e-04	6.90e-04	-7.03e-04
3848	220	-0.55	9.17	-1.04	-5.54e-04	4.91e-04	3.37e-05
3848	225	6.17	-11.16	-0.32	7.38e-04	-3.75e-05	-4.61e-04
3849	4	0.44	0.41	-1.21	4.87e-05	1.15e-04	-3.52e-05
3849	44	0.38	-1.77	-0.97	1.86e-04	9.68e-05	-2.90e-05
3849	68	0.31	0.26	-0.84	3.70e-05	8.01e-05	-2.46e-05
3849	88	0.27	-1.19	-0.69	1.28e-04	6.81e-05	-2.05e-05
3849	98	0.25	-0.25	-0.67	6.31e-05	6.44e-05	-2.08e-05
3849	105	0.24	-0.42	-0.63	7.27e-05	6.09e-05	-1.95e-05
3849	107	0.24	-0.24	-0.64	6.07e-05	6.12e-05	-1.97e-05
3849	112	8.43	0.08	-0.83	1.44e-05	4.64e-04	-5.68e-04
3849	124	-0.38	7.27	-0.95	-4.14e-04	3.93e-04	2.35e-05
3849	129	4.86	-8.94	-0.40	5.91e-04	-2.65e-05	-3.60e-04
3849	144	9.46	0.11	-0.86	8.70e-06	5.15e-04	-6.38e-04
3849	156	-0.46	8.21	-0.99	-4.73e-04	4.35e-04	2.91e-05
3849	161	5.44	-10.03	-0.37	6.58e-04	-3.72e-05	-4.03e-04
3849	176	9.41	0.10	-0.85	7.59e-06	5.07e-04	-6.25e-04
3849	188	-0.45	8.12	-0.98	-4.67e-04	4.28e-04	2.82e-05
3849	193	5.46	-9.93	-0.37	6.50e-04	-3.38e-05	-4.00e-04
3849	208	10.99	0.14	-0.88	-1.50e-06	5.82e-04	-7.24e-04
3849	220	-0.56	9.50	-1.04	-5.54e-04	4.88e-04	3.83e-05
3849	225	6.41	-11.56	-0.33	7.47e-04	-4.61e-05	-4.70e-04
3850	4	0.50	0.39	-1.22	4.62e-05	1.02e-04	-3.31e-05
3850	44	0.43	-1.86	-0.98	1.79e-04	8.71e-05	-2.99e-05
3850	68	0.35	0.24	-0.85	3.51e-05	7.14e-05	-2.34e-05
3850	88	0.30	-1.26	-0.69	1.23e-04	6.14e-05	-2.12e-05
3850	98	0.29	-0.28	-0.67	5.99e-05	5.74e-05	-2.05e-05
3850	105	0.27	-0.46	-0.63	6.94e-05	5.45e-05	-1.95e-05
3850	107	0.27	-0.27	-0.64	5.77e-05	5.47e-05	-1.96e-05
3850	112	8.71	0.08	-0.83	-1.61e-04	5.41e-04	-5.83e-04
3850	124	-0.38	7.48	-0.95	-4.53e-04	3.72e-04	2.53e-05
3850	129	5.04	-9.23	-0.40	5.70e-04	-3.10e-05	-3.69e-04
3850	144	9.78	0.11	-0.86	-1.88e-04	6.02e-04	-6.54e-04
3850	156	-0.46	8.45	-0.99	-5.17e-04	4.11e-04	3.12e-05
3850	161	5.64	-10.36	-0.37	6.34e-04	-4.15e-05	-4.14e-04
3850	176	9.73	0.10	-0.85	-1.81e-04	5.93e-04	-6.40e-04
3850	188	-0.45	8.36	-0.99	-5.08e-04	4.05e-04	3.02e-05
3850	193	5.65	-10.26	-0.37	6.27e-04	-3.82e-05	-4.10e-04
3850	208	11.35	0.15	-0.88	-2.18e-04	6.82e-04	-7.42e-04
3850	220	-0.56	9.78	-1.04	-6.01e-04	4.62e-04	4.05e-05
3850	225	6.64	-11.93	-0.33	7.21e-04	-5.03e-05	-4.82e-04
3851	4	0.57	0.37	-1.22	4.80e-05	5.88e-05	-4.92e-05
3851	44	0.48	-1.95	-0.99	1.73e-04	5.25e-05	-4.46e-05
3851	68	0.40	0.23	-0.85	3.63e-05	4.13e-05	-3.46e-05
3851	88	0.34	-1.32	-0.70	1.20e-04	3.71e-05	-3.16e-05
3851	98	0.32	-0.31	-0.68	5.87e-05	3.39e-05	-2.98e-05
3851	105	0.31	-0.49	-0.64	6.77e-05	3.24e-05	-2.83e-05
3851	107	0.31	-0.30	-0.64	5.64e-05	3.24e-05	-2.84e-05
3851	109	9.01	-4.89	-0.70	1.14e-04	3.53e-04	-6.00e-04
3851	124	-0.37	7.69	-0.96	-4.43e-04	2.95e-04	1.72e-05
3851	129	5.23	-9.52	-0.40	5.57e-04	-3.46e-05	-3.92e-04
3851	141	10.11	-5.47	-0.71	1.22e-04	3.93e-04	-6.72e-04
3851	156	-0.45	8.69	-1.00	-5.05e-04	3.28e-04	2.33e-05
3851	161	5.85	-10.68	-0.37	6.20e-04	-4.27e-05	-4.38e-04
3851	176	10.05	0.10	-0.85	-1.76e-04	3.87e-04	-6.73e-04
3851	188	-0.44	8.59	-0.99	-4.96e-04	3.22e-04	2.29e-05
3851	193	5.86	-10.58	-0.37	6.12e-04	-4.01e-05	-4.36e-04
3851	208	11.72	0.15	-0.88	-2.12e-04	4.46e-04	-7.81e-04
3851	220	-0.56	10.06	-1.04	-5.87e-04	3.70e-04	3.39e-05
3851	225	6.87	-12.30	-0.33	7.04e-04	-4.93e-05	-5.12e-04
3852	4	0.56	0.40	-0.39	5.10e-05	0.0	-9.62e-06
3852	44	0.48	-1.97	-0.33	1.73e-04	0.0	-9.81e-06
3852	68	0.39	0.25	-0.28	3.78e-05	0.0	-7.10e-06
3852	88	0.34	-1.33	-0.23	1.19e-04	0.0	-7.23e-06
3852	98	0.32	-0.29	-0.23	5.89e-05	0.0	-7.08e-06
3852	105	0.31	-0.48	-0.22	6.74e-05	0.0	-6.89e-06

3852	107	0.31	-0.28	-0.22	5.63e-05	0.0	-6.93e-06
3852	112	9.17	3.35	-0.08	-1.15e-06	0.0	-6.24e-04
3852	114	-6.71	1.36	-0.42	-4.29e-05	0.0	4.72e-04
3852	139	-4.71	-9.38	-0.16	3.24e-04	0.0	3.93e-04
3852	144	10.29	3.81	-0.06	-8.31e-06	0.0	-7.02e-04
3852	146	-7.60	1.57	-0.45	-5.52e-05	0.0	5.33e-04
3852	171	-5.34	-10.52	-0.15	3.58e-04	0.0	4.44e-04
3852	176	10.23	3.75	-0.07	-8.16e-06	0.0	-6.92e-04
3852	178	-7.55	1.55	-0.44	-5.28e-05	0.0	5.23e-04
3852	203	-5.36	-10.39	-0.16	3.54e-04	0.0	4.47e-04
3852	208	11.94	4.41	-0.04	-1.91e-05	0.0	-8.08e-04
3852	210	-8.90	1.84	-0.48	-7.03e-05	0.0	6.10e-04
3852	235	-6.39	-12.06	-0.15	4.03e-04	0.0	5.33e-04
3853	4	0.56	0.39	-0.29	5.31e-05	0.0	-9.71e-06
3853	44	0.48	-1.97	-0.25	1.75e-04	0.0	-9.92e-06
3853	68	0.39	0.24	-0.21	3.93e-05	0.0	-7.17e-06
3853	88	0.34	-1.33	-0.18	1.21e-04	0.0	-7.31e-06
3853	98	0.32	-0.30	-0.18	6.03e-05	0.0	-7.14e-06
3853	105	0.31	-0.49	-0.17	6.88e-05	0.0	-6.95e-06
3853	107	0.31	-0.29	-0.17	5.76e-05	0.0	-6.99e-06
3853	112	9.17	3.02	-0.05	-4.18e-05	0.0	-6.24e-04
3853	114	-6.71	1.65	-0.33	-1.02e-05	0.0	4.72e-04
3853	139	-4.71	-9.22	-0.13	3.42e-04	0.0	3.93e-04
3853	144	10.29	3.43	-0.04	-5.42e-05	0.0	-7.02e-04
3853	146	-7.60	1.89	-0.35	-1.86e-05	0.0	5.32e-04
3853	171	-5.35	-10.34	-0.13	3.77e-04	0.0	4.45e-04
3853	176	10.23	3.38	-0.04	-5.21e-05	0.0	-6.92e-04
3853	178	-7.55	1.86	-0.35	-1.79e-05	0.0	5.23e-04
3853	203	-5.36	-10.21	-0.13	3.72e-04	0.0	4.48e-04
3853	208	11.94	3.98	-0.02	-6.99e-05	0.0	-8.08e-04
3853	210	-8.90	2.21	-0.38	-3.04e-05	0.0	6.10e-04
3853	235	-6.39	-11.84	-0.12	4.24e-04	0.0	5.34e-04
3854	4	0.56	0.37	-0.40	5.03e-05	0.0	-1.19e-05
3854	44	0.49	-2.05	-0.33	1.73e-04	0.0	-1.20e-05
3854	68	0.39	0.23	-0.28	3.73e-05	0.0	-8.72e-06
3854	88	0.34	-1.39	-0.24	1.19e-04	0.0	-8.80e-06
3854	98	0.32	-0.32	-0.24	5.85e-05	0.0	-8.52e-06
3854	105	0.31	-0.52	-0.23	6.71e-05	0.0	-8.28e-06
3854	107	0.31	-0.31	-0.23	5.60e-05	0.0	-8.32e-06
3854	112	9.33	3.36	-0.09	1.15e-05	0.0	-6.26e-04
3854	114	-6.83	1.36	-0.42	-1.88e-05	0.0	4.75e-04
3854	139	-4.80	-9.51	-0.17	2.60e-04	0.0	3.89e-04
3854	144	10.48	3.82	-0.08	5.89e-06	0.0	-7.05e-04
3854	146	-7.74	1.57	-0.44	-2.81e-05	0.0	5.36e-04
3854	171	-5.45	-10.67	-0.16	2.86e-04	0.0	4.40e-04
3854	176	10.41	3.76	-0.08	5.86e-06	0.0	-6.94e-04
3854	178	-7.68	1.54	-0.44	-2.62e-05	0.0	5.25e-04
3854	203	-5.46	-10.54	-0.16	2.83e-04	0.0	4.42e-04
3854	208	12.15	4.43	-0.06	-2.74e-06	0.0	-8.10e-04
3854	210	-9.06	1.84	-0.47	-3.92e-05	0.0	6.13e-04
3854	235	-6.51	-12.22	-0.15	3.20e-04	0.0	5.28e-04
3855	4	0.57	0.37	-0.29	5.28e-05	0.0	-1.21e-05
3855	44	0.49	-2.06	-0.25	1.75e-04	0.0	-1.21e-05
3855	68	0.40	0.22	-0.21	3.91e-05	0.0	-8.84e-06
3855	88	0.35	-1.39	-0.18	1.21e-04	0.0	-8.85e-06
3855	98	0.33	-0.33	-0.18	6.01e-05	0.0	-8.59e-06
3855	105	0.31	-0.52	-0.17	6.87e-05	0.0	-8.34e-06
3855	107	0.31	-0.31	-0.17	5.75e-05	0.0	-8.38e-06
3855	112	9.33	3.03	-0.05	6.05e-06	0.0	-6.27e-04
3855	114	-6.83	1.65	-0.33	-1.64e-05	0.0	4.75e-04
3855	139	-4.80	-9.37	-0.13	2.70e-04	0.0	3.90e-04
3855	144	10.48	3.45	-0.04	0.0	0.0	-7.05e-04
3855	146	-7.73	1.89	-0.35	-2.56e-05	0.0	5.35e-04
3855	171	-5.45	-10.50	-0.13	2.97e-04	0.0	4.41e-04
3855	176	10.41	3.40	-0.04	0.0	0.0	-6.95e-04
3855	178	-7.68	1.86	-0.35	-2.40e-05	0.0	5.25e-04
3855	203	-5.46	-10.37	-0.13	2.94e-04	0.0	4.44e-04
3855	208	12.14	4.00	-0.02	-9.46e-06	0.0	-8.11e-04
3855	210	-9.06	2.22	-0.38	-3.72e-05	0.0	6.13e-04
3855	235	-6.51	-12.02	-0.12	3.33e-04	0.0	5.29e-04
3856	4	0.58	0.35	-0.40	4.95e-05	0.0	-1.46e-05
3856	44	0.51	-2.14	-0.34	1.72e-04	0.0	-1.41e-05
3856	68	0.41	0.21	-0.28	3.67e-05	0.0	-1.06e-05
3856	88	0.36	-1.45	-0.24	1.18e-04	0.0	-1.03e-05
3856	98	0.34	-0.35	-0.24	5.80e-05	0.0	-1.00e-05

3856	105	0.32	-0.55	-0.23	6.66e-05	0.0	-9.70e-06
3856	107	0.32	-0.34	-0.23	5.55e-05	0.0	-9.74e-06
3856	112	9.48	3.36	-0.10	1.56e-05	0.0	-6.29e-04
3856	114	-6.93	1.35	-0.42	-1.17e-05	0.0	4.75e-04
3856	139	-4.87	-9.63	-0.17	2.39e-04	0.0	3.87e-04
3856	144	10.64	3.83	-0.08	1.06e-05	0.0	-7.07e-04
3856	146	-7.85	1.56	-0.44	-2.00e-05	0.0	5.36e-04
3856	171	-5.53	-10.79	-0.16	2.62e-04	0.0	4.39e-04
3856	176	10.58	3.77	-0.08	1.05e-05	0.0	-6.97e-04
3856	178	-7.79	1.54	-0.44	-1.82e-05	0.0	5.26e-04
3856	203	-5.54	-10.66	-0.16	2.59e-04	0.0	4.41e-04
3856	208	12.34	4.44	-0.06	2.75e-06	0.0	-8.12e-04
3856	210	-9.19	1.84	-0.47	-2.99e-05	0.0	6.13e-04
3856	235	-6.61	-12.36	-0.15	2.93e-04	0.0	5.26e-04
3857	4	0.58	0.34	-0.29	5.25e-05	0.0	-1.45e-05
3857	44	0.51	-2.15	-0.25	1.75e-04	0.0	-1.42e-05
3857	68	0.41	0.20	-0.21	3.89e-05	0.0	-1.06e-05
3857	88	0.36	-1.45	-0.18	1.21e-04	0.0	-1.03e-05
3857	98	0.34	-0.36	-0.18	6.01e-05	0.0	-1.00e-05
3857	105	0.32	-0.56	-0.17	6.86e-05	0.0	-9.72e-06
3857	107	0.32	-0.34	-0.17	5.74e-05	0.0	-9.76e-06
3857	112	9.48	3.03	-0.05	1.19e-05	0.0	-6.30e-04
3857	114	-6.93	1.64	-0.33	-7.37e-06	0.0	4.75e-04
3857	139	-4.87	-9.48	-0.13	2.45e-04	0.0	3.88e-04
3857	144	10.64	3.45	-0.04	6.17e-06	0.0	-7.08e-04
3857	146	-7.85	1.89	-0.35	-1.55e-05	0.0	5.36e-04
3857	171	-5.53	-10.63	-0.13	2.69e-04	0.0	4.40e-04
3857	176	10.58	3.40	-0.04	6.54e-06	0.0	-6.97e-04
3857	178	-7.79	1.86	-0.35	-1.40e-05	0.0	5.26e-04
3857	203	-5.54	-10.49	-0.13	2.66e-04	0.0	4.42e-04
3857	208	12.34	4.01	-0.02	-1.97e-06	0.0	-8.13e-04
3857	210	-9.19	2.22	-0.38	-2.56e-05	0.0	6.13e-04
3857	235	-6.60	-12.16	-0.12	3.00e-04	0.0	5.28e-04
3858	4	0.56	0.39	-0.25	5.56e-05	0.0	-9.80e-06
3858	44	0.48	-1.98	-0.22	1.77e-04	0.0	-1.02e-05
3858	68	0.39	0.24	-0.18	4.11e-05	0.0	-7.24e-06
3858	88	0.34	-1.34	-0.16	1.22e-04	0.0	-7.49e-06
3858	98	0.32	-0.30	-0.16	6.18e-05	0.0	-7.26e-06
3858	105	0.31	-0.49	-0.15	7.02e-05	0.0	-7.07e-06
3858	107	0.31	-0.29	-0.15	5.91e-05	0.0	-7.10e-06
3858	112	9.17	2.69	-0.08	-3.74e-05	0.0	-6.24e-04
3858	114	-6.71	1.94	-0.25	-1.72e-05	0.0	4.72e-04
3858	135	-5.15	-9.07	-0.13	3.50e-04	0.0	3.87e-04
3858	144	10.29	3.06	-0.07	-4.94e-05	0.0	-7.02e-04
3858	146	-7.60	2.22	-0.26	-2.67e-05	0.0	5.32e-04
3858	167	-5.85	-10.17	-0.13	3.86e-04	0.0	4.37e-04
3858	176	10.23	3.01	-0.07	-4.76e-05	0.0	-6.92e-04
3858	178	-7.55	2.18	-0.26	-2.55e-05	0.0	5.22e-04
3858	203	-5.36	-10.03	-0.12	3.81e-04	0.0	4.48e-04
3858	208	11.94	3.55	-0.06	-6.51e-05	0.0	-8.08e-04
3858	210	-8.90	2.58	-0.28	-3.93e-05	0.0	6.09e-04
3858	235	-6.39	-11.62	-0.12	4.34e-04	0.0	5.34e-04
3859	4	0.57	0.36	-0.25	5.57e-05	0.0	-1.22e-05
3859	44	0.49	-2.07	-0.22	1.77e-04	0.0	-1.22e-05
3859	68	0.40	0.22	-0.18	4.11e-05	0.0	-8.97e-06
3859	88	0.35	-1.40	-0.16	1.22e-04	0.0	-8.97e-06
3859	98	0.33	-0.33	-0.16	6.18e-05	0.0	-8.70e-06
3859	105	0.31	-0.53	-0.15	7.03e-05	0.0	-8.44e-06
3859	107	0.31	-0.32	-0.15	5.91e-05	0.0	-8.48e-06
3859	112	9.33	2.70	-0.08	-1.46e-05	0.0	-6.28e-04
3859	114	-6.83	1.94	-0.25	0.0	0.0	4.74e-04
3859	135	-5.25	-9.22	-0.13	2.81e-04	0.0	3.84e-04
3859	144	10.48	3.07	-0.07	-2.38e-05	0.0	-7.06e-04
3859	146	-7.73	2.22	-0.26	-6.24e-06	0.0	5.35e-04
3859	167	-5.96	-10.33	-0.13	3.09e-04	0.0	4.34e-04
3859	176	10.41	3.03	-0.07	-2.25e-05	0.0	-6.96e-04
3859	178	-7.68	2.18	-0.26	-5.29e-06	0.0	5.25e-04
3859	203	-5.46	-10.19	-0.13	3.06e-04	0.0	4.45e-04
3859	208	12.14	3.57	-0.06	-3.59e-05	0.0	-8.11e-04
3859	210	-9.06	2.59	-0.28	-1.58e-05	0.0	6.12e-04
3859	235	-6.51	-11.80	-0.12	3.46e-04	0.0	5.31e-04
3860	4	0.58	0.33	-0.25	5.57e-05	0.0	-1.46e-05
3860	44	0.51	-2.16	-0.22	1.77e-04	0.0	-1.41e-05
3860	68	0.41	0.20	-0.18	4.11e-05	0.0	-1.06e-05
3860	88	0.36	-1.46	-0.16	1.22e-04	0.0	-1.03e-05

3860	98	0.34	-0.36	-0.16	6.19e-05	0.0	-1.00e-05
3860	105	0.32	-0.56	-0.15	7.03e-05	0.0	-9.71e-06
3860	107	0.32	-0.35	-0.15	5.92e-05	0.0	-9.77e-06
3860	112	9.49	2.70	-0.08	-5.98e-06	0.0	-6.30e-04
3860	114	-6.93	1.93	-0.25	7.91e-06	0.0	4.75e-04
3860	135	-5.33	-9.34	-0.13	2.55e-04	0.0	3.81e-04
3860	144	10.65	3.08	-0.07	-1.41e-05	0.0	-7.08e-04
3860	146	-7.85	2.22	-0.26	1.52e-06	0.0	5.36e-04
3860	167	-6.05	-10.46	-0.13	2.80e-04	0.0	4.31e-04
3860	176	10.58	3.03	-0.07	-1.30e-05	0.0	-6.98e-04
3860	178	-7.79	2.18	-0.26	2.36e-06	0.0	5.26e-04
3860	203	-5.54	-10.32	-0.13	2.77e-04	0.0	4.42e-04
3860	208	12.34	3.58	-0.06	-2.49e-05	0.0	-8.13e-04
3860	210	-9.19	2.59	-0.28	-6.87e-06	0.0	6.13e-04
3860	235	-6.60	-11.95	-0.12	3.13e-04	0.0	5.28e-04
3861	4	0.56	0.38	-0.24	5.82e-05	0.0	-9.81e-06
3861	44	0.48	-1.98	-0.21	1.80e-04	0.0	-1.05e-05
3861	68	0.39	0.23	-0.18	4.29e-05	0.0	-7.26e-06
3861	88	0.34	-1.34	-0.15	1.24e-04	0.0	-7.74e-06
3861	98	0.32	-0.31	-0.15	6.33e-05	0.0	-7.39e-06
3861	105	0.31	-0.50	-0.15	7.17e-05	0.0	-7.21e-06
3861	107	0.31	-0.29	-0.15	6.05e-05	0.0	-7.23e-06
3861	112	9.17	2.37	-0.11	-3.44e-05	0.0	-6.22e-04
3861	114	-6.71	2.21	-0.20	-2.07e-05	0.0	4.70e-04
3861	127	1.00	-8.95	-0.15	3.58e-04	0.0	-5.74e-05
3861	144	10.29	2.70	-0.10	-4.63e-05	0.0	-7.00e-04
3861	146	-7.60	2.53	-0.21	-3.09e-05	0.0	5.31e-04
3861	159	1.08	-10.03	-0.15	3.95e-04	0.0	-6.42e-05
3861	176	10.23	2.66	-0.10	-4.44e-05	0.0	-6.91e-04
3861	178	-7.55	2.48	-0.21	-2.96e-05	0.0	5.21e-04
3861	191	1.07	-9.89	-0.15	3.90e-04	0.0	-6.59e-05
3861	208	11.93	3.14	-0.10	-6.15e-05	0.0	-8.06e-04
3861	210	-8.90	2.93	-0.22	-4.42e-05	0.0	6.08e-04
3861	223	1.19	-11.45	-0.15	4.44e-04	0.0	-7.92e-05
3862	4	0.57	0.35	-0.24	5.85e-05	0.0	-1.24e-05
3862	44	0.49	-2.07	-0.21	1.80e-04	0.0	-1.26e-05
3862	68	0.40	0.21	-0.18	4.31e-05	0.0	-9.07e-06
3862	88	0.35	-1.40	-0.15	1.24e-04	0.0	-9.19e-06
3862	98	0.33	-0.34	-0.15	6.34e-05	0.0	-8.84e-06
3862	105	0.31	-0.53	-0.15	7.18e-05	0.0	-8.59e-06
3862	107	0.31	-0.32	-0.15	6.06e-05	0.0	-8.62e-06
3862	112	9.33	2.38	-0.11	-1.57e-05	0.0	-6.27e-04
3862	114	-6.83	2.22	-0.20	0.0	0.0	4.73e-04
3862	127	1.02	-9.11	-0.15	2.94e-04	0.0	-6.30e-05
3862	144	10.48	2.71	-0.10	-2.52e-05	0.0	-7.06e-04
3862	146	-7.73	2.53	-0.21	-8.48e-06	0.0	5.34e-04
3862	159	1.10	-10.20	-0.15	3.23e-04	0.0	-7.03e-05
3862	176	10.41	2.67	-0.10	-2.38e-05	0.0	-6.95e-04
3862	178	-7.68	2.49	-0.21	-7.49e-06	0.0	5.24e-04
3862	191	1.09	-10.06	-0.15	3.19e-04	0.0	-7.24e-05
3862	208	12.14	3.16	-0.10	-3.76e-05	0.0	-8.11e-04
3862	210	-9.06	2.95	-0.22	-1.85e-05	0.0	6.11e-04
3862	223	1.22	-11.64	-0.15	3.61e-04	0.0	-8.67e-05
3863	4	0.59	0.32	-0.24	5.85e-05	0.0	-1.48e-05
3863	44	0.51	-2.16	-0.21	1.80e-04	0.0	-1.44e-05
3863	68	0.41	0.19	-0.18	4.31e-05	0.0	-1.07e-05
3863	88	0.36	-1.47	-0.15	1.24e-04	0.0	-1.05e-05
3863	98	0.34	-0.37	-0.15	6.34e-05	0.0	-1.02e-05
3863	105	0.32	-0.57	-0.15	7.17e-05	0.0	-9.87e-06
3863	107	0.32	-0.35	-0.15	6.06e-05	0.0	-9.91e-06
3863	112	9.49	2.38	-0.11	-8.71e-06	0.0	-6.30e-04
3863	114	-6.93	2.21	-0.20	6.65e-06	0.0	4.75e-04
3863	127	1.04	-9.24	-0.15	2.70e-04	0.0	-6.91e-05
3863	144	10.65	2.72	-0.10	-1.74e-05	0.0	-7.08e-04
3863	146	-7.85	2.53	-0.21	0.0	0.0	5.36e-04
3863	159	1.13	-10.34	-0.15	2.96e-04	0.0	-7.71e-05
3863	176	10.58	2.67	-0.10	-1.61e-05	0.0	-6.98e-04
3863	178	-7.79	2.49	-0.21	0.0	0.0	5.26e-04
3863	191	1.12	-10.19	-0.15	2.92e-04	0.0	-7.95e-05
3863	208	12.34	3.17	-0.10	-2.87e-05	0.0	-8.13e-04
3863	210	-9.19	2.95	-0.22	-8.90e-06	0.0	6.13e-04
3863	223	1.25	-11.79	-0.15	3.30e-04	0.0	-9.50e-05
3864	4	0.56	0.38	-0.26	6.11e-05	0.0	-9.68e-06
3864	44	0.48	-1.99	-0.23	1.82e-04	0.0	-1.10e-05
3864	68	0.39	0.23	-0.19	4.49e-05	0.0	-7.19e-06

3864	88	0.34	-1.35	-0.17	1.25e-04	0.0	-8.06e-06
3864	98	0.32	-0.31	-0.16	6.49e-05	0.0	-7.51e-06
3864	105	0.30	-0.50	-0.16	7.32e-05	0.0	-7.38e-06
3864	107	0.31	-0.30	-0.16	6.21e-05	0.0	-7.36e-06
3864	112	9.17	2.02	-0.14	-3.86e-05	0.0	-6.20e-04
3864	114	-6.71	2.52	-0.19	-1.71e-05	0.0	4.68e-04
3864	129	5.31	-9.06	-0.14	3.65e-04	0.0	-3.89e-04
3864	144	10.29	2.31	-0.14	-5.11e-05	0.0	-6.98e-04
3864	146	-7.60	2.87	-0.19	-2.70e-05	0.0	5.28e-04
3864	161	5.95	-10.15	-0.14	4.03e-04	0.0	-4.38e-04
3864	176	10.23	2.27	-0.14	-4.84e-05	0.0	-6.89e-04
3864	178	-7.55	2.82	-0.19	-2.64e-05	0.0	5.18e-04
3864	193	5.96	-10.01	-0.14	3.98e-04	0.0	-4.39e-04
3864	208	11.93	2.68	-0.13	-6.60e-05	0.0	-8.04e-04
3864	210	-8.90	3.33	-0.20	-4.11e-05	0.0	6.05e-04
3864	225	6.99	-11.59	-0.14	4.52e-04	0.0	-5.21e-04
3865	4	0.57	0.35	-0.26	6.16e-05	0.0	-1.23e-05
3865	44	0.49	-2.08	-0.23	1.82e-04	0.0	-1.29e-05
3865	68	0.40	0.21	-0.19	4.53e-05	0.0	-9.06e-06
3865	88	0.35	-1.41	-0.17	1.26e-04	0.0	-9.40e-06
3865	98	0.33	-0.34	-0.16	6.52e-05	0.0	-8.95e-06
3865	105	0.31	-0.54	-0.16	7.35e-05	0.0	-8.71e-06
3865	107	0.31	-0.33	-0.16	6.23e-05	0.0	-8.73e-06
3865	112	9.33	2.02	-0.14	-2.15e-05	0.0	-6.26e-04
3865	114	-6.83	2.53	-0.19	1.98e-06	0.0	4.72e-04
3865	129	5.41	-9.22	-0.14	3.05e-04	0.0	-3.98e-04
3865	144	10.48	2.32	-0.14	-3.19e-05	0.0	-7.04e-04
3865	146	-7.73	2.88	-0.19	-5.56e-06	0.0	5.33e-04
3865	161	6.06	-10.33	-0.14	3.35e-04	0.0	-4.49e-04
3865	176	10.41	2.28	-0.14	-2.97e-05	0.0	-6.94e-04
3865	178	-7.68	2.83	-0.19	-5.09e-06	0.0	5.23e-04
3865	193	6.06	-10.19	-0.14	3.31e-04	0.0	-4.50e-04
3865	208	12.14	2.70	-0.13	-4.45e-05	0.0	-8.10e-04
3865	210	-9.06	3.34	-0.20	-1.63e-05	0.0	6.10e-04
3865	225	7.11	-11.79	-0.14	3.75e-04	0.0	-5.34e-04
3866	4	0.59	0.31	-0.27	6.18e-05	0.0	-1.48e-05
3866	44	0.51	-2.17	-0.23	1.82e-04	0.0	-1.46e-05
3866	68	0.41	0.19	-0.19	4.54e-05	0.0	-1.08e-05
3866	88	0.36	-1.47	-0.17	1.26e-04	0.0	-1.06e-05
3866	98	0.34	-0.38	-0.16	6.53e-05	0.0	-1.03e-05
3866	105	0.32	-0.57	-0.16	7.36e-05	0.0	-9.96e-06
3866	107	0.32	-0.36	-0.16	6.25e-05	0.0	-1.00e-05
3866	112	9.49	2.02	-0.14	-1.52e-05	0.0	-6.30e-04
3866	114	-6.93	2.53	-0.19	9.30e-06	0.0	4.75e-04
3866	129	5.50	-9.35	-0.14	2.82e-04	0.0	-4.08e-04
3866	144	10.65	2.32	-0.14	-2.48e-05	0.0	-7.08e-04
3866	146	-7.85	2.89	-0.19	2.66e-06	0.0	5.36e-04
3866	161	6.16	-10.48	-0.14	3.10e-04	0.0	-4.59e-04
3866	176	10.58	2.28	-0.14	-2.29e-05	0.0	-6.98e-04
3866	178	-7.79	2.83	-0.19	3.07e-06	0.0	5.25e-04
3866	193	6.17	-10.33	-0.14	3.06e-04	0.0	-4.61e-04
3866	208	12.34	2.71	-0.13	-3.66e-05	0.0	-8.13e-04
3866	210	-9.19	3.35	-0.20	-6.81e-06	0.0	6.13e-04
3866	225	7.23	-11.96	-0.14	3.46e-04	0.0	-5.46e-04
3867	4	0.56	0.37	-0.31	6.40e-05	0.0	-9.28e-06
3867	44	0.48	-2.00	-0.27	1.84e-04	0.0	-1.15e-05
3867	68	0.39	0.23	-0.22	4.70e-05	0.0	-6.93e-06
3867	88	0.34	-1.35	-0.19	1.27e-04	0.0	-8.43e-06
3867	98	0.32	-0.32	-0.19	6.65e-05	0.0	-7.59e-06
3867	105	0.30	-0.50	-0.18	7.47e-05	0.0	-7.51e-06
3867	107	0.31	-0.30	-0.18	6.36e-05	0.0	-7.44e-06
3867	112	9.17	1.69	-0.18	-4.75e-05	0.0	-6.18e-04
3867	129	5.31	-9.19	-0.16	3.76e-04	0.0	-3.84e-04
3867	134	1.00	8.36	-0.21	-2.38e-04	0.0	-7.64e-05
3867	144	10.29	1.94	-0.17	-6.12e-05	0.0	-6.95e-04
3867	161	5.95	-10.30	-0.16	4.15e-04	0.0	-4.33e-04
3867	166	1.09	9.44	-0.21	-2.76e-04	0.0	-8.57e-05
3867	176	10.23	1.90	-0.17	-5.77e-05	0.0	-6.86e-04
3867	193	5.96	-10.17	-0.16	4.10e-04	0.0	-4.34e-04
3867	198	1.08	9.29	-0.21	-2.71e-04	0.0	-8.94e-05
3867	208	11.93	2.26	-0.17	-7.67e-05	0.0	-8.01e-04
3867	225	6.98	-11.79	-0.16	4.67e-04	0.0	-5.15e-04
3867	230	1.21	10.84	-0.21	-3.25e-04	0.0	-1.07e-04
3868	4	0.57	0.34	-0.32	6.46e-05	0.0	-1.20e-05
3868	44	0.49	-2.09	-0.27	1.84e-04	0.0	-1.30e-05

3868	68	0.40	0.20	-0.23	4.74e-05	0.0	-8.83e-06
3868	88	0.35	-1.42	-0.19	1.27e-04	0.0	-9.47e-06
3868	98	0.33	-0.35	-0.19	6.68e-05	0.0	-8.90e-06
3868	105	0.31	-0.54	-0.18	7.49e-05	0.0	-8.69e-06
3868	107	0.31	-0.33	-0.18	6.39e-05	0.0	-8.69e-06
3868	112	9.33	1.69	-0.18	-3.10e-05	0.0	-6.25e-04
3868	129	5.41	-9.36	-0.16	3.21e-04	0.0	-3.96e-04
3868	134	1.03	8.46	-0.21	-1.83e-04	0.0	-7.31e-05
3868	144	10.48	1.95	-0.18	-4.28e-05	0.0	-7.03e-04
3868	161	6.06	-10.49	-0.16	3.53e-04	0.0	-4.46e-04
3868	166	1.12	9.56	-0.21	-2.14e-04	0.0	-8.19e-05
3868	176	10.41	1.91	-0.18	-3.98e-05	0.0	-6.93e-04
3868	193	6.06	-10.36	-0.16	3.49e-04	0.0	-4.47e-04
3868	198	1.11	9.40	-0.21	-2.10e-04	0.0	-8.52e-05
3868	208	12.14	2.27	-0.17	-5.60e-05	0.0	-8.08e-04
3868	225	7.11	-12.00	-0.16	3.95e-04	0.0	-5.30e-04
3868	230	1.24	10.98	-0.22	-2.55e-04	0.0	-1.02e-04
3869	4	0.59	0.31	-0.32	6.49e-05	0.0	-1.46e-05
3869	44	0.51	-2.18	-0.27	1.84e-04	0.0	-1.42e-05
3869	68	0.41	0.18	-0.23	4.76e-05	0.0	-1.06e-05
3869	88	0.36	-1.48	-0.19	1.27e-04	0.0	-1.04e-05
3869	98	0.34	-0.38	-0.19	6.69e-05	0.0	-1.01e-05
3869	105	0.32	-0.58	-0.18	7.51e-05	0.0	-9.77e-06
3869	107	0.32	-0.37	-0.18	6.40e-05	0.0	-9.83e-06
3869	112	9.49	1.69	-0.18	-2.51e-05	0.0	-6.29e-04
3869	129	5.50	-9.51	-0.16	3.00e-04	0.0	-4.07e-04
3869	134	1.05	8.54	-0.21	-1.63e-04	0.0	-6.96e-05
3869	144	10.65	1.95	-0.18	-3.62e-05	0.0	-7.08e-04
3869	161	6.16	-10.65	-0.16	3.29e-04	0.0	-4.58e-04
3869	166	1.14	9.65	-0.21	-1.91e-04	0.0	-7.77e-05
3869	176	10.58	1.92	-0.18	-3.34e-05	0.0	-6.97e-04
3869	193	6.17	-10.52	-0.16	3.26e-04	0.0	-4.60e-04
3869	198	1.13	9.49	-0.21	-1.87e-04	0.0	-8.05e-05
3869	208	12.34	2.28	-0.17	-4.86e-05	0.0	-8.13e-04
3869	225	7.23	-12.18	-0.16	3.68e-04	0.0	-5.45e-04
3869	230	1.27	11.09	-0.22	-2.28e-04	0.0	-9.64e-05
3870	4	0.56	0.37	-0.40	6.67e-05	0.0	-8.29e-06
3870	44	0.48	-2.00	-0.34	1.85e-04	0.0	-1.19e-05
3870	68	0.39	0.22	-0.29	4.89e-05	0.0	-6.29e-06
3870	88	0.34	-1.36	-0.24	1.28e-04	0.0	-8.71e-06
3870	98	0.32	-0.32	-0.24	6.78e-05	0.0	-7.45e-06
3870	105	0.30	-0.51	-0.23	7.58e-05	0.0	-7.47e-06
3870	107	0.31	-0.31	-0.23	6.48e-05	0.0	-7.33e-06
3870	112	9.17	1.36	-0.23	-5.94e-05	0.0	-6.15e-04
3870	129	5.31	-9.32	-0.20	4.09e-04	0.0	-3.79e-04
3870	130	-4.70	8.71	-0.26	-2.79e-04	0.0	3.65e-04
3870	144	10.29	1.57	-0.23	-7.48e-05	0.0	-6.92e-04
3870	161	5.95	-10.45	-0.19	4.51e-04	0.0	-4.27e-04
3870	162	-5.34	9.84	-0.26	-3.22e-04	0.0	4.13e-04
3870	176	10.23	1.54	-0.23	-7.04e-05	0.0	-6.83e-04
3870	193	5.96	-10.32	-0.19	4.45e-04	0.0	-4.28e-04
3870	194	-5.35	9.71	-0.26	-3.16e-04	0.0	4.13e-04
3870	208	11.93	1.83	-0.23	-9.13e-05	0.0	-7.97e-04
3870	225	6.98	-11.97	-0.19	5.08e-04	0.0	-5.07e-04
3870	226	-6.37	11.36	-0.27	-3.78e-04	0.0	4.93e-04
3871	4	0.57	0.33	-0.40	6.78e-05	0.0	-1.10e-05
3871	44	0.49	-2.10	-0.34	1.85e-04	0.0	-1.28e-05
3871	68	0.40	0.20	-0.29	4.96e-05	0.0	-8.14e-06
3871	88	0.35	-1.42	-0.24	1.28e-04	0.0	-9.34e-06
3871	98	0.33	-0.35	-0.24	6.82e-05	0.0	-8.54e-06
3871	105	0.31	-0.55	-0.23	7.62e-05	0.0	-8.41e-06
3871	107	0.31	-0.34	-0.23	6.52e-05	0.0	-8.37e-06
3871	112	9.33	1.36	-0.23	-4.40e-05	0.0	-6.23e-04
3871	129	5.41	-9.51	-0.20	3.42e-04	0.0	-3.92e-04
3871	130	-4.79	8.83	-0.26	-2.11e-04	0.0	3.75e-04
3871	144	10.48	1.58	-0.23	-5.76e-05	0.0	-7.00e-04
3871	161	6.06	-10.65	-0.19	3.76e-04	0.0	-4.41e-04
3871	162	-5.44	9.98	-0.27	-2.46e-04	0.0	4.25e-04
3871	176	10.41	1.55	-0.23	-5.35e-05	0.0	-6.90e-04
3871	193	6.06	-10.52	-0.19	3.72e-04	0.0	-4.43e-04
3871	194	-5.44	9.85	-0.26	-2.42e-04	0.0	4.26e-04
3871	208	12.15	1.85	-0.23	-7.17e-05	0.0	-8.05e-04
3871	225	7.11	-12.20	-0.19	4.22e-04	0.0	-5.25e-04
3871	226	-6.49	11.52	-0.27	-2.92e-04	0.0	5.08e-04
3872	4	0.59	0.30	-0.40	6.81e-05	0.0	-1.41e-05

3872	44	0.51	-2.19	-0.34	1.85e-04	0.0	-1.37e-05
3872	68	0.41	0.17	-0.29	4.98e-05	0.0	-1.03e-05
3872	88	0.36	-1.48	-0.24	1.28e-04	0.0	-1.00e-05
3872	98	0.34	-0.39	-0.24	6.82e-05	0.0	-9.82e-06
3872	105	0.32	-0.58	-0.23	7.62e-05	0.0	-9.50e-06
3872	107	0.32	-0.37	-0.23	6.52e-05	0.0	-9.57e-06
3872	112	9.49	1.36	-0.23	-3.85e-05	0.0	-6.29e-04
3872	129	5.51	-9.67	-0.20	3.23e-04	0.0	-4.06e-04
3872	130	-4.86	8.93	-0.26	-1.92e-04	0.0	3.87e-04
3872	144	10.65	1.58	-0.23	-5.14e-05	0.0	-7.07e-04
3872	161	6.17	-10.83	-0.19	3.55e-04	0.0	-4.58e-04
3872	162	-5.52	10.09	-0.27	-2.24e-04	0.0	4.38e-04
3872	176	10.58	1.55	-0.23	-4.75e-05	0.0	-6.97e-04
3872	193	6.17	-10.70	-0.19	3.51e-04	0.0	-4.59e-04
3872	194	-5.52	9.96	-0.26	-2.21e-04	0.0	4.40e-04
3872	208	12.34	1.85	-0.23	-6.48e-05	0.0	-8.12e-04
3872	225	7.23	-12.40	-0.19	3.98e-04	0.0	-5.44e-04
3872	226	-6.58	11.65	-0.27	-2.67e-04	0.0	5.25e-04
3873	4	0.56	0.36	-0.54	6.88e-05	0.0	-6.56e-06
3873	44	0.48	-2.01	-0.45	1.86e-04	0.0	-1.20e-05
3873	68	0.39	0.22	-0.38	5.04e-05	0.0	-5.15e-06
3873	88	0.34	-1.36	-0.32	1.28e-04	0.0	-8.80e-06
3873	98	0.32	-0.32	-0.31	6.86e-05	0.0	-7.00e-06
3873	105	0.30	-0.51	-0.30	7.65e-05	0.0	-7.18e-06
3873	107	0.30	-0.31	-0.30	6.56e-05	0.0	-6.94e-06
3873	112	9.17	1.04	-0.32	-7.47e-05	0.0	-6.11e-04
3873	128	-0.83	8.09	-0.36	-2.80e-04	0.0	2.83e-05
3873	129	5.31	-9.45	-0.25	4.36e-04	0.0	-3.75e-04
3873	144	10.29	1.20	-0.33	-9.21e-05	0.0	-6.87e-04
3873	160	-0.97	9.14	-0.36	-3.23e-04	0.0	3.26e-05
3873	161	5.95	-10.59	-0.24	4.82e-04	0.0	-4.22e-04
3873	176	10.23	1.18	-0.32	-8.67e-05	0.0	-6.78e-04
3873	192	-0.91	9.01	-0.36	-3.18e-04	0.0	2.75e-05
3873	193	5.96	-10.47	-0.24	4.76e-04	0.0	-4.22e-04
3873	208	11.93	1.41	-0.33	-1.10e-04	0.0	-7.91e-04
3873	224	-1.04	10.52	-0.37	-3.80e-04	0.0	2.96e-05
3873	225	6.98	-12.15	-0.23	5.43e-04	0.0	-5.00e-04
3874	4	0.56	0.33	-0.54	7.14e-05	0.0	-8.45e-06
3874	44	0.49	-2.10	-0.45	1.86e-04	0.0	-1.18e-05
3874	68	0.40	0.19	-0.38	5.21e-05	0.0	-6.45e-06
3874	88	0.35	-1.43	-0.32	1.29e-04	0.0	-8.65e-06
3874	98	0.33	-0.36	-0.31	6.95e-05	0.0	-7.47e-06
3874	105	0.31	-0.55	-0.30	7.73e-05	0.0	-7.51e-06
3874	107	0.31	-0.34	-0.30	6.65e-05	0.0	-7.39e-06
3874	112	9.33	1.04	-0.32	-6.02e-05	0.0	-6.19e-04
3874	128	-0.85	8.21	-0.36	-2.36e-04	0.0	3.37e-05
3874	129	5.41	-9.64	-0.25	3.92e-04	0.0	-3.88e-04
3874	144	10.48	1.21	-0.33	-7.59e-05	0.0	-6.97e-04
3874	160	-0.99	9.28	-0.37	-2.74e-04	0.0	3.88e-05
3874	161	6.06	-10.81	-0.24	4.33e-04	0.0	-4.37e-04
3874	176	10.41	1.18	-0.33	-7.07e-05	0.0	-6.87e-04
3874	192	-0.93	9.15	-0.37	-2.70e-04	0.0	3.47e-05
3874	193	6.06	-10.69	-0.24	4.27e-04	0.0	-4.38e-04
3874	208	12.15	1.42	-0.33	-9.15e-05	0.0	-8.02e-04
3874	224	-1.07	10.68	-0.38	-3.24e-04	0.0	3.85e-05
3874	225	7.11	-12.39	-0.23	4.86e-04	0.0	-5.20e-04
3875	4	0.59	0.29	-0.55	7.23e-05	0.0	-1.34e-05
3875	44	0.51	-2.20	-0.45	1.86e-04	0.0	-1.31e-05
3875	68	0.41	0.17	-0.38	5.27e-05	0.0	-9.80e-06
3875	88	0.36	-1.49	-0.32	1.29e-04	0.0	-9.60e-06
3875	98	0.34	-0.39	-0.31	6.98e-05	0.0	-9.39e-06
3875	105	0.32	-0.59	-0.30	7.75e-05	0.0	-9.10e-06
3875	107	0.32	-0.38	-0.30	6.67e-05	0.0	-9.17e-06
3875	112	9.49	1.03	-0.32	-5.51e-05	0.0	-6.28e-04
3875	128	-0.86	8.32	-0.36	-2.42e-04	0.0	4.12e-05
3875	129	5.51	-9.83	-0.25	3.53e-04	0.0	-4.05e-04
3875	144	10.65	1.21	-0.33	-7.02e-05	0.0	-7.07e-04
3875	160	-1.01	9.40	-0.37	-2.80e-04	0.0	4.76e-05
3875	161	6.17	-11.01	-0.24	3.89e-04	0.0	-4.57e-04
3875	176	10.58	1.18	-0.33	-6.51e-05	0.0	-6.96e-04
3875	192	-0.94	9.27	-0.37	-2.75e-04	0.0	4.43e-05
3875	193	6.17	-10.88	-0.24	3.85e-04	0.0	-4.58e-04
3875	208	12.34	1.43	-0.33	-8.50e-05	0.0	-8.12e-04
3875	224	-1.08	10.83	-0.38	-3.31e-04	0.0	5.05e-05
3875	225	7.23	-12.62	-0.23	4.37e-04	0.0	-5.43e-04

3876	4	0.56	0.36	-0.76	6.92e-05	0.0	-5.44e-06
3876	44	0.48	-2.02	-0.62	1.85e-04	0.0	-1.25e-05
3876	68	0.39	0.22	-0.53	5.06e-05	0.0	-4.44e-06
3876	88	0.34	-1.37	-0.44	1.28e-04	0.0	-9.14e-06
3876	98	0.32	-0.33	-0.43	6.84e-05	0.0	-6.86e-06
3876	105	0.30	-0.52	-0.40	7.62e-05	0.0	-7.18e-06
3876	107	0.30	-0.31	-0.41	6.54e-05	0.0	-6.84e-06
3876	112	9.17	0.71	-0.45	-9.37e-05	0.0	-6.06e-04
3876	124	-0.39	8.03	-0.52	-3.37e-04	0.0	3.53e-05
3876	129	5.31	-9.56	-0.31	4.69e-04	0.0	-3.73e-04
3876	144	10.29	0.84	-0.46	-1.13e-04	0.0	-6.82e-04
3876	156	-0.47	9.08	-0.53	-3.87e-04	0.0	4.09e-05
3876	161	5.95	-10.72	-0.30	5.19e-04	0.0	-4.20e-04
3876	176	10.23	0.81	-0.45	-1.07e-04	0.0	-6.72e-04
3876	188	-0.46	8.96	-0.53	-3.80e-04	0.0	4.07e-05
3876	193	5.96	-10.61	-0.30	5.12e-04	0.0	-4.19e-04
3876	208	11.93	0.99	-0.46	-1.34e-04	0.0	-7.84e-04
3876	220	-0.58	10.48	-0.55	-4.52e-04	0.0	5.11e-05
3876	225	6.98	-12.31	-0.28	5.86e-04	0.0	-4.96e-04
3877	4	0.56	0.32	-0.76	7.62e-05	0.0	-2.77e-06
3877	44	0.49	-2.11	-0.62	1.87e-04	0.0	-8.60e-06
3877	68	0.39	0.19	-0.53	5.53e-05	0.0	-2.59e-06
3877	88	0.34	-1.43	-0.44	1.29e-04	0.0	-6.48e-06
3877	98	0.32	-0.36	-0.43	7.12e-05	0.0	-4.76e-06
3877	105	0.31	-0.56	-0.41	7.86e-05	0.0	-5.13e-06
3877	107	0.31	-0.35	-0.41	6.80e-05	0.0	-4.88e-06
3877	112	9.34	0.71	-0.45	-7.85e-05	0.0	-6.15e-04
3877	124	-0.40	8.17	-0.52	-2.97e-04	0.0	4.40e-05
3877	129	5.41	-9.78	-0.31	4.34e-04	0.0	-3.86e-04
3877	144	10.48	0.84	-0.46	-9.67e-05	0.0	-6.92e-04
3877	156	-0.48	9.24	-0.53	-3.42e-04	0.0	5.06e-05
3877	161	6.06	-10.96	-0.30	4.79e-04	0.0	-4.35e-04
3877	176	10.41	0.82	-0.46	-9.05e-05	0.0	-6.82e-04
3877	188	-0.47	9.12	-0.53	-3.36e-04	0.0	5.19e-05
3877	193	6.06	-10.85	-0.30	4.73e-04	0.0	-4.35e-04
3877	208	12.15	0.99	-0.46	-1.14e-04	0.0	-7.95e-04
3877	220	-0.60	10.67	-0.55	-4.01e-04	0.0	6.46e-05
3877	225	7.11	-12.59	-0.28	5.39e-04	0.0	-5.16e-04
3878	4	0.59	0.28	-0.77	7.98e-05	0.0	-1.16e-05
3878	44	0.51	-2.20	-0.63	1.88e-04	0.0	-1.17e-05
3878	68	0.42	0.16	-0.54	5.78e-05	0.0	-8.57e-06
3878	88	0.36	-1.50	-0.44	1.30e-04	0.0	-8.68e-06
3878	98	0.34	-0.40	-0.43	7.27e-05	0.0	-8.41e-06
3878	105	0.32	-0.60	-0.41	7.98e-05	0.0	-8.21e-06
3878	107	0.33	-0.38	-0.41	6.93e-05	0.0	-8.28e-06
3878	112	9.49	0.70	-0.46	-7.26e-05	0.0	-6.27e-04
3878	124	-0.40	8.30	-0.52	-2.82e-04	0.0	4.94e-05
3878	129	5.51	-9.99	-0.31	4.21e-04	0.0	-4.04e-04
3878	144	10.65	0.83	-0.46	-9.03e-05	0.0	-7.06e-04
3878	156	-0.49	9.38	-0.53	-3.25e-04	0.0	5.72e-05
3878	161	6.17	-11.19	-0.30	4.64e-04	0.0	-4.55e-04
3878	176	10.58	0.81	-0.46	-8.41e-05	0.0	-6.95e-04
3878	188	-0.47	9.26	-0.53	-3.19e-04	0.0	5.95e-05
3878	193	6.17	-11.07	-0.30	4.58e-04	0.0	-4.57e-04
3878	208	12.34	1.00	-0.47	-1.07e-04	0.0	-8.10e-04
3878	220	-0.60	10.85	-0.55	-3.82e-04	0.0	7.45e-05
3878	225	7.23	-12.84	-0.29	5.22e-04	0.0	-5.42e-04
3879	4	0.56	0.36	-1.06	6.43e-05	0.0	-1.02e-05
3879	44	0.48	-2.02	-0.86	1.80e-04	0.0	-1.60e-05
3879	68	0.39	0.22	-0.74	4.73e-05	0.0	-7.72e-06
3879	88	0.34	-1.37	-0.61	1.24e-04	0.0	-1.17e-05
3879	98	0.32	-0.33	-0.59	6.53e-05	0.0	-9.50e-06
3879	105	0.30	-0.52	-0.56	7.33e-05	0.0	-9.64e-06
3879	107	0.31	-0.32	-0.56	6.25e-05	0.0	-9.34e-06
3879	112	9.16	0.39	-0.65	-1.19e-04	0.0	-6.04e-04
3879	124	-0.39	7.96	-0.76	-3.81e-04	0.0	3.40e-05
3879	129	5.31	-9.68	-0.38	5.07e-04	0.0	-3.74e-04
3879	144	10.29	0.47	-0.66	-1.42e-04	0.0	-6.79e-04
3879	156	-0.47	9.00	-0.79	-4.36e-04	0.0	3.97e-05
3879	161	5.95	-10.85	-0.36	5.63e-04	0.0	-4.21e-04
3879	176	10.22	0.46	-0.65	-1.35e-04	0.0	-6.68e-04
3879	188	-0.46	8.89	-0.78	-4.28e-04	0.0	3.92e-05
3879	193	5.96	-10.74	-0.36	5.55e-04	0.0	-4.19e-04
3879	208	11.93	0.57	-0.67	-1.66e-04	0.0	-7.78e-04
3879	220	-0.58	10.40	-0.82	-5.08e-04	0.0	4.97e-05

3879	225	6.98	-12.48	-0.33	6.37e-04	0.0	-4.96e-04
3880	4	0.56	0.32	-1.09	8.11e-05	0.0	7.83e-06
3880	44	0.49	-2.11	-0.89	1.87e-04	0.0	-1.25e-06
3880	68	0.39	0.19	-0.76	5.86e-05	0.0	4.66e-06
3880	88	0.34	-1.43	-0.63	1.29e-04	0.0	-1.40e-06
3880	98	0.32	-0.36	-0.61	7.26e-05	0.0	0.0
3880	105	0.31	-0.56	-0.57	7.96e-05	0.0	0.0
3880	107	0.31	-0.35	-0.58	6.93e-05	0.0	0.0
3880	112	9.34	0.39	-0.66	-9.78e-05	0.0	-6.07e-04
3880	124	-0.40	8.12	-0.78	-3.36e-04	0.0	5.51e-05
3880	129	5.41	-9.92	-0.39	4.76e-04	0.0	-3.87e-04
3880	144	10.48	0.47	-0.67	-1.19e-04	0.0	-6.84e-04
3880	156	-0.48	9.18	-0.81	-3.87e-04	0.0	6.25e-05
3880	161	6.06	-11.12	-0.37	5.27e-04	0.0	-4.37e-04
3880	176	10.42	0.46	-0.67	-1.12e-04	0.0	-6.73e-04
3880	188	-0.47	9.07	-0.80	-3.79e-04	0.0	6.42e-05
3880	193	6.06	-11.01	-0.37	5.20e-04	0.0	-4.38e-04
3880	208	12.15	0.58	-0.68	-1.40e-04	0.0	-7.86e-04
3880	220	-0.60	10.62	-0.84	-4.52e-04	0.0	7.84e-05
3880	225	7.11	-12.78	-0.34	5.94e-04	0.0	-5.20e-04
3881	4	0.59	0.27	-1.13	9.58e-05	0.0	-9.20e-06
3881	44	0.51	-2.21	-0.92	1.94e-04	0.0	-9.60e-06
3881	68	0.42	0.15	-0.79	6.87e-05	0.0	-6.95e-06
3881	88	0.36	-1.50	-0.65	1.34e-04	0.0	-7.21e-06
3881	98	0.34	-0.41	-0.62	7.96e-05	0.0	-7.08e-06
3881	105	0.32	-0.60	-0.59	8.57e-05	0.0	-6.96e-06
3881	107	0.33	-0.39	-0.60	7.57e-05	0.0	-7.03e-06
3881	112	9.49	0.37	-0.68	-8.48e-05	0.0	-6.25e-04
3881	124	-0.40	8.25	-0.80	-3.13e-04	0.0	5.03e-05
3881	129	5.51	-10.15	-0.41	4.65e-04	0.0	-4.02e-04
3881	144	10.65	0.46	-0.69	-1.05e-04	0.0	-7.04e-04
3881	156	-0.49	9.33	-0.83	-3.61e-04	0.0	5.81e-05
3881	161	6.17	-11.37	-0.38	5.14e-04	0.0	-4.53e-04
3881	176	10.58	0.45	-0.69	-9.82e-05	0.0	-6.93e-04
3881	188	-0.47	9.22	-0.83	-3.54e-04	0.0	6.03e-05
3881	193	6.17	-11.26	-0.38	5.08e-04	0.0	-4.55e-04
3881	208	12.34	0.57	-0.70	-1.25e-04	0.0	-8.08e-04
3881	220	-0.60	10.80	-0.86	-4.24e-04	0.0	7.53e-05
3881	225	7.23	-13.07	-0.35	5.79e-04	0.0	-5.40e-04
3882	4	0.56	0.35	-1.23	4.94e-05	1.84e-05	-2.06e-05
3882	44	0.48	-2.03	-0.99	1.68e-04	2.00e-05	-2.11e-05
3882	68	0.39	0.21	-0.86	3.71e-05	1.33e-05	-1.49e-05
3882	88	0.34	-1.38	-0.70	1.16e-04	1.44e-05	-1.52e-05
3882	98	0.32	-0.34	-0.68	5.70e-05	1.20e-05	-1.42e-05
3882	105	0.30	-0.53	-0.64	6.57e-05	1.19e-05	-1.38e-05
3882	107	0.30	-0.32	-0.65	5.49e-05	1.17e-05	-1.38e-05
3882	112	9.16	0.07	-0.83	-1.56e-04	2.80e-04	-6.03e-04
3882	124	-0.39	7.88	-0.96	-4.39e-04	-1.72e-05	3.76e-05
3882	129	5.31	-9.79	-0.41	5.51e-04	2.06e-04	-3.86e-04
3882	144	10.28	0.11	-0.86	-1.82e-04	3.14e-04	-6.77e-04
3882	156	-0.47	8.91	-1.00	-5.01e-04	-2.07e-05	4.44e-05
3882	161	5.95	-10.98	-0.38	6.13e-04	2.30e-04	-4.34e-04
3882	176	10.22	0.10	-0.85	-1.75e-04	3.09e-04	-6.64e-04
3882	188	-0.46	8.81	-0.99	-4.92e-04	-1.97e-05	4.49e-05
3882	193	5.95	-10.88	-0.38	6.05e-04	2.27e-04	-4.32e-04
3882	208	11.92	0.15	-0.88	-2.11e-04	3.58e-04	-7.71e-04
3882	220	-0.58	10.31	-1.04	-5.82e-04	-2.45e-05	5.75e-05
3882	225	6.98	-12.65	-0.33	6.96e-04	2.64e-04	-5.10e-04
3883	4	0.54	0.35	-1.23	7.93e-05	3.21e-05	4.75e-06
3883	44	0.46	-2.10	-1.00	1.82e-04	3.11e-05	1.16e-06
3883	68	0.38	0.21	-0.86	5.73e-05	2.29e-05	2.74e-06
3883	88	0.33	-1.42	-0.71	1.26e-04	2.23e-05	0.0
3883	98	0.31	-0.35	-0.68	7.03e-05	1.90e-05	0.0
3883	105	0.30	-0.54	-0.64	7.72e-05	1.86e-05	0.0
3883	107	0.30	-0.34	-0.65	6.71e-05	1.84e-05	0.0
3883	112	9.33	0.08	-0.83	-1.23e-04	2.61e-04	-6.05e-04
3883	124	-0.41	8.11	-0.96	-3.78e-04	2.19e-04	5.38e-05
3883	129	5.40	-10.07	-0.41	5.14e-04	-3.42e-05	-3.86e-04
3883	144	10.48	0.13	-0.86	-1.46e-04	2.91e-04	-6.81e-04
3883	156	-0.49	9.16	-1.00	-4.33e-04	2.44e-04	6.11e-05
3883	161	6.05	-11.29	-0.38	5.70e-04	-4.06e-05	-4.35e-04
3883	176	10.41	0.12	-0.85	-1.40e-04	2.87e-04	-6.69e-04
3883	188	-0.48	9.06	-0.99	-4.26e-04	2.39e-04	6.25e-05
3883	193	6.05	-11.18	-0.38	5.63e-04	-3.85e-05	-4.35e-04
3883	208	12.15	0.18	-0.88	-1.72e-04	3.31e-04	-7.81e-04

3883	220	-0.61	10.60	-1.04	-5.06e-04	2.76e-04	7.65e-05
3883	225	7.10	-12.99	-0.34	6.45e-04	-4.58e-05	-5.17e-04
3884	4	0.59	0.26	-1.25	1.82e-04	1.04e-04	-2.03e-05
3884	44	0.51	-2.22	-1.02	2.45e-04	9.26e-05	-2.14e-05
3884	68	0.41	0.14	-0.87	1.28e-04	7.01e-05	-1.49e-05
3884	88	0.36	-1.51	-0.72	1.70e-04	6.27e-05	-1.56e-05
3884	98	0.34	-0.41	-0.69	1.23e-04	4.76e-05	-1.42e-05
3884	105	0.32	-0.61	-0.65	1.24e-04	4.50e-05	-1.40e-05
3884	107	0.32	-0.40	-0.66	1.16e-04	4.49e-05	-1.39e-05
3884	112	9.49	0.04	-0.84	-3.89e-05	2.29e-04	-6.46e-04
3884	124	-0.40	8.21	-0.96	-2.48e-04	1.64e-04	4.45e-05
3884	129	5.51	-10.31	-0.42	4.81e-04	1.49e-05	-4.21e-04
3884	144	10.65	0.09	-0.86	-5.81e-05	2.52e-04	-7.27e-04
3884	156	-0.49	9.29	-1.00	-2.93e-04	1.79e-04	5.25e-05
3884	161	6.17	-11.55	-0.39	5.27e-04	1.13e-05	-4.74e-04
3884	176	10.58	0.08	-0.86	-5.30e-05	2.49e-04	-7.16e-04
3884	188	-0.48	9.18	-0.99	-2.87e-04	1.77e-04	5.52e-05
3884	193	6.17	-11.45	-0.40	5.21e-04	1.27e-05	-4.77e-04
3884	208	12.34	0.14	-0.89	-7.93e-05	2.84e-04	-8.35e-04
3884	220	-0.60	10.76	-1.05	-3.53e-04	1.99e-04	7.08e-05
3884	225	7.23	-13.29	-0.35	5.88e-04	8.76e-06	-5.65e-04
3885	4	0.56	0.41	-0.80	4.30e-05	0.0	-1.09e-05
3885	44	0.49	-1.97	-0.66	1.57e-04	0.0	0.0
3885	68	0.40	0.25	-0.56	3.19e-05	0.0	-7.61e-06
3885	88	0.34	-1.33	-0.47	1.08e-04	0.0	0.0
3885	98	0.32	-0.29	-0.46	5.12e-05	0.0	-3.75e-06
3885	105	0.31	-0.48	-0.43	5.95e-05	0.0	-2.83e-06
3885	107	0.31	-0.28	-0.44	4.89e-05	0.0	-3.61e-06
3885	112	9.17	3.78	-0.55	-5.72e-06	0.0	-4.59e-04
3885	124	-0.38	8.48	-0.59	-2.61e-04	0.0	1.43e-04
3885	139	-4.70	-9.45	-0.32	4.14e-04	0.0	-5.90e-05
3885	144	10.29	4.29	-0.57	-1.25e-05	0.0	-5.17e-04
3885	156	-0.47	9.58	-0.61	-2.99e-04	0.0	1.63e-04
3885	171	-5.34	-10.60	-0.30	4.60e-04	0.0	-6.53e-05
3885	176	10.23	4.23	-0.57	-1.45e-05	0.0	-5.11e-04
3885	188	-0.45	9.40	-0.61	-2.94e-04	0.0	1.67e-04
3885	203	-5.35	-10.49	-0.30	4.54e-04	0.0	-5.55e-05
3885	208	11.93	4.98	-0.59	-2.63e-05	0.0	-5.97e-04
3885	220	-0.58	10.96	-0.64	-3.49e-04	0.0	2.00e-04
3885	235	-6.39	-12.18	-0.28	5.20e-04	0.0	-5.78e-05
3886	4	0.60	0.43	-0.80	4.23e-05	0.0	-1.77e-06
3886	44	0.51	-1.89	-0.66	1.57e-04	0.0	1.07e-05
3886	68	0.42	0.27	-0.56	3.14e-05	0.0	-1.19e-06
3886	88	0.36	-1.28	-0.47	1.08e-04	0.0	7.11e-06
3886	98	0.34	-0.27	-0.46	5.10e-05	0.0	2.15e-06
3886	105	0.32	-0.45	-0.43	5.93e-05	0.0	2.86e-06
3886	107	0.33	-0.25	-0.44	4.86e-05	0.0	2.00e-06
3886	109	9.06	-1.28	-0.48	1.97e-04	0.0	-6.10e-04
3886	124	-0.36	8.34	-0.59	-2.64e-04	0.0	2.02e-04
3886	139	-4.61	-9.24	-0.32	4.17e-04	0.0	-9.58e-05
3886	141	10.16	-1.41	-0.49	2.16e-04	0.0	-6.88e-04
3886	156	-0.44	9.41	-0.61	-3.03e-04	0.0	2.28e-04
3886	171	-5.24	-10.37	-0.30	4.63e-04	0.0	-1.07e-04
3886	176	10.10	4.18	-0.56	-1.53e-05	0.0	-4.78e-04
3886	188	-0.43	9.24	-0.61	-2.97e-04	0.0	2.31e-04
3886	203	-5.25	-10.26	-0.30	4.57e-04	0.0	-9.45e-05
3886	208	11.78	4.91	-0.58	-2.72e-05	0.0	-5.60e-04
3886	220	-0.55	10.77	-0.64	-3.53e-04	0.0	2.73e-04
3886	235	-6.27	-11.92	-0.28	5.24e-04	0.0	-1.02e-04
3887	4	0.56	0.38	-0.80	4.49e-05	0.0	-1.47e-05
3887	44	0.48	-2.05	-0.66	1.58e-04	0.0	-7.63e-06
3887	68	0.39	0.24	-0.56	3.32e-05	0.0	-1.04e-05
3887	88	0.34	-1.38	-0.47	1.09e-04	0.0	-5.72e-06
3887	98	0.32	-0.32	-0.46	5.20e-05	0.0	-7.71e-06
3887	105	0.31	-0.51	-0.43	6.01e-05	0.0	-6.99e-06
3887	107	0.31	-0.30	-0.44	4.96e-05	0.0	-7.43e-06
3887	112	9.33	3.83	-0.55	-3.20e-06	0.0	-6.05e-04
3887	124	-0.40	8.62	-0.60	-2.52e-04	0.0	9.09e-05
3887	139	-4.81	-9.65	-0.32	4.05e-04	0.0	3.64e-04
3887	144	10.48	4.35	-0.57	-9.81e-06	0.0	-6.81e-04
3887	156	-0.49	9.74	-0.62	-2.89e-04	0.0	1.04e-04
3887	171	-5.46	-10.82	-0.30	4.49e-04	0.0	4.11e-04
3887	176	10.41	4.29	-0.57	-1.18e-05	0.0	-6.70e-04
3887	188	-0.47	9.56	-0.61	-2.84e-04	0.0	1.08e-04
3887	203	-5.47	-10.71	-0.30	4.43e-04	0.0	4.11e-04

3887	208	12.15	5.05	-0.59	-2.32e-05	0.0	-7.82e-04
3887	220	-0.60	11.15	-0.64	-3.38e-04	0.0	1.32e-04
3887	235	-6.52	-12.43	-0.28	5.08e-04	0.0	4.89e-04
3888	4	0.58	0.36	-0.80	4.62e-05	0.0	-1.36e-05
3888	44	0.51	-2.13	-0.66	1.58e-04	0.0	-1.36e-05
3888	68	0.41	0.22	-0.56	3.40e-05	0.0	-9.93e-06
3888	88	0.36	-1.44	-0.47	1.09e-04	0.0	-9.95e-06
3888	98	0.34	-0.34	-0.46	5.25e-05	0.0	-9.47e-06
3888	105	0.32	-0.54	-0.43	6.05e-05	0.0	-9.21e-06
3888	107	0.32	-0.33	-0.44	5.00e-05	0.0	-9.21e-06
3888	112	9.48	3.87	-0.55	-1.61e-06	0.0	-6.27e-04
3888	124	-0.40	8.76	-0.60	-2.46e-04	0.0	5.26e-05
3888	139	-4.87	-9.85	-0.32	3.98e-04	0.0	3.86e-04
3888	144	10.64	4.40	-0.57	-8.08e-06	0.0	-7.05e-04
3888	156	-0.49	9.89	-0.61	-2.83e-04	0.0	6.10e-05
3888	171	-5.53	-11.04	-0.30	4.42e-04	0.0	4.36e-04
3888	176	10.58	4.34	-0.57	-1.00e-05	0.0	-6.94e-04
3888	188	-0.48	9.71	-0.61	-2.77e-04	0.0	6.36e-05
3888	203	-5.54	-10.92	-0.30	4.36e-04	0.0	4.38e-04
3888	208	12.34	5.11	-0.59	-2.13e-05	0.0	-8.10e-04
3888	220	-0.60	11.33	-0.64	-3.30e-04	0.0	7.97e-05
3888	235	-6.61	-12.68	-0.28	5.00e-04	0.0	5.23e-04
3889	4	0.57	0.40	-0.60	4.71e-05	0.0	-9.86e-06
3889	44	0.49	-1.97	-0.50	1.65e-04	0.0	1.30e-06
3889	68	0.40	0.25	-0.42	3.49e-05	0.0	-6.89e-06
3889	88	0.34	-1.33	-0.35	1.13e-04	0.0	0.0
3889	98	0.33	-0.29	-0.35	5.50e-05	0.0	-3.32e-06
3889	105	0.31	-0.48	-0.33	6.34e-05	0.0	-2.48e-06
3889	107	0.31	-0.28	-0.33	5.25e-05	0.0	-3.21e-06
3889	112	9.17	3.57	-0.32	1.10e-06	0.0	-4.59e-04
3889	134	1.01	8.11	-0.44	-2.39e-04	0.0	3.71e-04
3889	139	-4.70	-9.41	-0.25	3.45e-04	0.0	-5.88e-05
3889	144	10.29	4.05	-0.31	-5.33e-06	0.0	-5.17e-04
3889	166	1.09	9.16	-0.45	-2.76e-04	0.0	4.18e-04
3889	171	-5.34	-10.56	-0.24	3.82e-04	0.0	-6.51e-05
3889	176	10.23	3.99	-0.31	-6.27e-06	0.0	-5.11e-04
3889	198	1.09	9.04	-0.45	-2.71e-04	0.0	4.09e-04
3889	203	-5.35	-10.44	-0.24	3.77e-04	0.0	-5.53e-05
3889	208	11.93	4.70	-0.31	-1.68e-05	0.0	-5.96e-04
3889	230	1.21	10.57	-0.47	-3.23e-04	0.0	4.78e-04
3889	235	-6.39	-12.12	-0.23	4.30e-04	0.0	-5.75e-05
3890	4	0.60	0.43	-0.60	4.71e-05	0.0	-4.06e-06
3890	44	0.51	-1.89	-0.49	1.65e-04	0.0	9.83e-06
3890	68	0.42	0.27	-0.42	3.49e-05	0.0	-2.73e-06
3890	88	0.36	-1.27	-0.35	1.13e-04	0.0	6.53e-06
3890	98	0.34	-0.27	-0.35	5.50e-05	0.0	1.23e-06
3890	105	0.33	-0.45	-0.33	6.34e-05	0.0	2.09e-06
3890	107	0.33	-0.25	-0.33	5.25e-05	0.0	1.15e-06
3890	109	9.06	-1.54	-0.27	1.68e-04	0.0	-6.08e-04
3890	134	1.00	8.00	-0.43	-2.45e-04	0.0	3.88e-04
3890	139	-4.61	-9.24	-0.25	3.51e-04	0.0	-7.43e-05
3890	141	10.17	-1.69	-0.26	1.83e-04	0.0	-6.85e-04
3890	166	1.09	9.03	-0.45	-2.82e-04	0.0	4.37e-04
3890	171	-5.24	-10.36	-0.24	3.88e-04	0.0	-8.30e-05
3890	176	10.10	3.96	-0.32	-7.53e-06	0.0	-4.91e-04
3890	198	1.08	8.91	-0.44	-2.77e-04	0.0	4.27e-04
3890	203	-5.25	-10.25	-0.24	3.83e-04	0.0	-7.18e-05
3890	208	11.78	4.65	-0.32	-1.83e-05	0.0	-5.75e-04
3890	230	1.21	10.41	-0.46	-3.31e-04	0.0	4.97e-04
3890	235	-6.27	-11.90	-0.22	4.38e-04	0.0	-7.65e-05
3891	4	0.56	0.38	-0.60	4.72e-05	0.0	-1.35e-05
3891	44	0.49	-2.05	-0.50	1.65e-04	0.0	-7.15e-06
3891	68	0.39	0.23	-0.42	3.49e-05	0.0	-9.62e-06
3891	88	0.34	-1.39	-0.36	1.14e-04	0.0	-5.38e-06
3891	98	0.32	-0.32	-0.35	5.50e-05	0.0	-7.23e-06
3891	105	0.31	-0.51	-0.33	6.34e-05	0.0	-6.58e-06
3891	107	0.31	-0.31	-0.33	5.26e-05	0.0	-6.99e-06
3891	112	9.33	3.59	-0.31	4.21e-06	0.0	-6.04e-04
3891	134	1.03	8.22	-0.44	-2.24e-04	0.0	-4.99e-05
3891	139	-4.80	-9.58	-0.25	3.30e-04	0.0	3.64e-04
3891	144	10.48	4.08	-0.31	-1.83e-06	0.0	-6.80e-04
3891	166	1.11	9.29	-0.45	-2.59e-04	0.0	-5.56e-05
3891	171	-5.45	-10.74	-0.24	3.65e-04	0.0	4.12e-04
3891	176	10.41	4.03	-0.31	-2.82e-06	0.0	-6.70e-04
3891	198	1.11	9.17	-0.45	-2.54e-04	0.0	-5.47e-05

3891	203	-5.46	-10.62	-0.24	3.60e-04	0.0	4.11e-04
3891	208	12.15	4.74	-0.31	-1.28e-05	0.0	-7.81e-04
3891	230	1.24	10.72	-0.47	-3.04e-04	0.0	-6.47e-05
3891	235	-6.51	-12.33	-0.23	4.11e-04	0.0	4.89e-04
3892	4	0.58	0.35	-0.60	4.73e-05	0.0	-1.44e-05
3892	44	0.51	-2.13	-0.50	1.65e-04	0.0	-1.38e-05
3892	68	0.41	0.21	-0.42	3.50e-05	0.0	-1.05e-05
3892	88	0.36	-1.44	-0.36	1.14e-04	0.0	-1.01e-05
3892	98	0.34	-0.35	-0.35	5.51e-05	0.0	-9.79e-06
3892	105	0.32	-0.55	-0.33	6.35e-05	0.0	-9.47e-06
3892	107	0.32	-0.33	-0.33	5.26e-05	0.0	-9.52e-06
3892	112	9.48	3.62	-0.31	6.18e-06	0.0	-6.27e-04
3892	134	1.05	8.32	-0.44	-2.15e-04	0.0	-6.64e-05
3892	139	-4.87	-9.74	-0.25	3.21e-04	0.0	3.86e-04
3892	144	10.64	4.11	-0.31	0.0	0.0	-7.06e-04
3892	166	1.14	9.40	-0.45	-2.49e-04	0.0	-7.42e-05
3892	171	-5.53	-10.92	-0.24	3.55e-04	0.0	4.37e-04
3892	176	10.58	4.05	-0.31	0.0	0.0	-6.95e-04
3892	198	1.13	9.27	-0.45	-2.44e-04	0.0	-7.68e-05
3892	203	-5.54	-10.79	-0.24	3.51e-04	0.0	4.38e-04
3892	208	12.34	4.78	-0.31	-1.03e-05	0.0	-8.10e-04
3892	230	1.27	10.85	-0.47	-2.92e-04	0.0	-9.20e-05
3892	235	-6.61	-12.52	-0.23	4.00e-04	0.0	5.24e-04
3893	4	0.40	0.42	-1.24	9.60e-05	0.0	-2.90e-05
3893	44	0.34	-1.68	-1.00	2.23e-04	0.0	-2.34e-05
3893	68	0.28	0.26	-0.87	6.97e-05	0.0	-2.02e-05
3893	88	0.24	-1.14	-0.70	1.54e-04	0.0	-1.65e-05
3893	98	0.23	-0.23	-0.69	8.89e-05	0.0	-1.73e-05
3893	105	0.22	-0.40	-0.65	9.67e-05	0.0	-1.60e-05
3893	107	0.22	-0.22	-0.66	8.50e-05	0.0	-1.62e-05
3893	112	8.11	-0.10	-0.96	-1.31e-04	0.0	-5.48e-04
3893	124	-0.37	7.01	-1.05	-4.17e-04	0.0	3.04e-05
3893	129	4.67	-8.70	-0.40	5.88e-04	0.0	-3.52e-04
3893	144	9.11	-0.08	-1.00	-1.58e-04	0.0	-6.15e-04
3893	156	-0.45	7.92	-1.10	-4.80e-04	0.0	3.65e-05
3893	161	5.24	-9.77	-0.36	6.51e-04	0.0	-3.94e-04
3893	176	9.07	-0.09	-0.99	-1.49e-04	0.0	-6.02e-04
3893	188	-0.44	7.83	-1.09	-4.70e-04	0.0	3.68e-05
3893	193	5.25	-9.68	-0.37	6.42e-04	0.0	-3.92e-04
3893	208	10.59	-0.09	-1.05	-1.84e-04	0.0	-6.98e-04
3893	220	-0.55	9.16	-1.16	-5.61e-04	0.0	4.83e-05
3893	225	6.17	-11.27	-0.32	7.34e-04	0.0	-4.62e-04
3894	4	0.44	0.40	-1.24	4.44e-05	0.0	-3.97e-05
3894	44	0.38	-1.78	-1.00	1.84e-04	0.0	-3.19e-05
3894	68	0.31	0.25	-0.87	3.41e-05	0.0	-2.78e-05
3894	88	0.27	-1.20	-0.71	1.27e-04	0.0	-2.25e-05
3894	98	0.25	-0.26	-0.69	6.14e-05	0.0	-2.31e-05
3894	105	0.24	-0.43	-0.65	7.13e-05	0.0	-2.15e-05
3894	107	0.24	-0.25	-0.65	5.91e-05	0.0	-2.19e-05
3894	112	8.43	-0.10	-0.95	-1.70e-04	0.0	-5.69e-04
3894	124	-0.38	7.23	-1.04	-4.63e-04	0.0	2.08e-05
3894	129	4.86	-9.00	-0.40	5.84e-04	0.0	-3.60e-04
3894	144	9.46	-0.09	-0.99	-1.98e-04	0.0	-6.38e-04
3894	156	-0.46	8.16	-1.09	-5.28e-04	0.0	2.63e-05
3894	161	5.44	-10.10	-0.37	6.49e-04	0.0	-4.03e-04
3894	176	9.41	-0.10	-0.98	-1.91e-04	0.0	-6.25e-04
3894	188	-0.45	8.07	-1.08	-5.20e-04	0.0	2.50e-05
3894	193	5.46	-10.01	-0.37	6.41e-04	0.0	-3.99e-04
3894	208	10.99	-0.09	-1.03	-2.30e-04	0.0	-7.24e-04
3894	220	-0.56	9.44	-1.15	-6.14e-04	0.0	3.46e-05
3894	225	6.41	-11.65	-0.33	7.38e-04	0.0	-4.68e-04
3895	4	0.50	0.38	-1.24	4.26e-05	0.0	-3.40e-05
3895	44	0.43	-1.87	-1.00	1.77e-04	0.0	-3.05e-05
3895	68	0.35	0.24	-0.86	3.28e-05	0.0	-2.40e-05
3895	88	0.30	-1.26	-0.71	1.23e-04	0.0	-2.17e-05
3895	98	0.29	-0.29	-0.69	5.85e-05	0.0	-2.10e-05
3895	105	0.27	-0.47	-0.65	6.82e-05	0.0	-1.99e-05
3895	107	0.27	-0.27	-0.65	5.64e-05	0.0	-2.00e-05
3895	112	8.71	-0.11	-0.93	1.85e-05	0.0	-5.84e-04
3895	124	-0.38	7.44	-1.02	-4.11e-04	0.0	2.50e-05
3895	129	5.04	-9.31	-0.40	5.84e-04	0.0	-3.71e-04
3895	144	9.78	-0.10	-0.96	1.38e-05	0.0	-6.55e-04
3895	156	-0.46	8.41	-1.07	-4.70e-04	0.0	3.09e-05
3895	161	5.64	-10.44	-0.37	6.50e-04	0.0	-4.15e-04
3895	176	9.73	-0.10	-0.96	1.27e-05	0.0	-6.42e-04

3895	188	-0.45	8.32	-1.06	-4.63e-04	0.0	3.00e-05
3895	193	5.65	-10.35	-0.37	6.42e-04	0.0	-4.12e-04
3895	208	11.35	-0.09	-1.00	5.20e-06	0.0	-7.44e-04
3895	220	-0.56	9.73	-1.13	-5.49e-04	0.0	4.04e-05
3895	225	6.64	-12.04	-0.33	7.40e-04	0.0	-4.84e-04
3896	4	0.58	0.36	-1.22	4.30e-05	0.0	-4.12e-05
3896	44	0.50	-1.96	-1.00	1.70e-04	0.0	-3.91e-05
3896	68	0.41	0.22	-0.86	3.29e-05	0.0	-2.91e-05
3896	88	0.35	-1.33	-0.70	1.17e-04	0.0	-2.78e-05
3896	98	0.33	-0.32	-0.68	5.60e-05	0.0	-2.57e-05
3896	105	0.32	-0.50	-0.64	6.53e-05	0.0	-2.46e-05
3896	107	0.32	-0.30	-0.65	5.40e-05	0.0	-2.46e-05
3896	109	9.02	-5.08	-0.76	2.92e-04	0.0	-5.98e-04
3896	124	-0.36	7.66	-1.00	-4.04e-04	0.0	2.33e-05
3896	129	5.24	-9.61	-0.40	5.70e-04	0.0	-3.91e-04
3896	141	10.13	-5.68	-0.77	3.22e-04	0.0	-6.71e-04
3896	156	-0.45	8.66	-1.04	-4.62e-04	0.0	2.96e-05
3896	161	5.87	-10.78	-0.37	6.34e-04	0.0	-4.38e-04
3896	173	10.06	-5.60	-0.77	3.16e-04	0.0	-6.57e-04
3896	188	-0.44	8.56	-1.03	-4.55e-04	0.0	2.97e-05
3896	193	5.88	-10.69	-0.37	6.27e-04	0.0	-4.36e-04
3896	208	11.74	-0.09	-0.96	0.0	0.0	-7.76e-04
3896	220	-0.56	10.02	-1.09	-5.39e-04	0.0	4.15e-05
3896	225	6.89	-12.43	-0.33	7.21e-04	0.0	-5.12e-04
3897	4	0.56	0.34	-1.22	4.55e-05	0.0	-1.80e-05
3897	44	0.48	-2.04	-1.00	1.63e-04	0.0	-1.87e-05
3897	68	0.39	0.21	-0.86	3.43e-05	0.0	-1.31e-05
3897	88	0.34	-1.38	-0.71	1.13e-04	0.0	-1.35e-05
3897	98	0.32	-0.34	-0.68	5.46e-05	0.0	-1.26e-05
3897	105	0.31	-0.53	-0.64	6.34e-05	0.0	-1.23e-05
3897	107	0.31	-0.33	-0.65	5.26e-05	0.0	-1.22e-05
3897	112	9.16	-0.12	-0.88	1.28e-05	0.0	-6.03e-04
3897	124	-0.38	7.86	-0.99	-3.84e-04	0.0	4.23e-05
3897	129	5.31	-9.89	-0.40	5.42e-04	0.0	-3.90e-04
3897	144	10.28	-0.10	-0.91	7.96e-06	0.0	-6.78e-04
3897	156	-0.47	8.89	-1.03	-4.38e-04	0.0	4.96e-05
3897	161	5.95	-11.09	-0.37	6.03e-04	0.0	-4.39e-04
3897	176	10.22	-0.11	-0.90	7.02e-06	0.0	-6.64e-04
3897	188	-0.46	8.79	-1.02	-4.32e-04	0.0	5.05e-05
3897	193	5.95	-10.99	-0.37	5.96e-04	0.0	-4.37e-04
3897	208	11.92	-0.09	-0.95	0.0	0.0	-7.72e-04
3897	220	-0.58	10.29	-1.09	-5.12e-04	0.0	6.41e-05
3897	225	6.98	-12.78	-0.33	6.86e-04	0.0	-5.16e-04
3898	4	0.53	0.32	-1.25	7.84e-05	0.0	-2.37e-05
3898	44	0.46	-2.12	-1.02	1.80e-04	0.0	-1.74e-05
3898	68	0.37	0.19	-0.87	5.67e-05	0.0	-1.68e-05
3898	88	0.33	-1.44	-0.72	1.24e-04	0.0	-1.26e-05
3898	98	0.31	-0.37	-0.69	6.97e-05	0.0	-1.50e-05
3898	105	0.29	-0.56	-0.65	7.65e-05	0.0	-1.38e-05
3898	107	0.29	-0.35	-0.66	6.65e-05	0.0	-1.42e-05
3898	112	9.33	-0.13	-0.89	2.91e-05	0.0	-6.17e-04
3898	124	-0.41	8.04	-1.00	-3.34e-04	0.0	3.41e-05
3898	129	5.39	-10.15	-0.41	5.16e-04	0.0	-3.91e-04
3898	144	10.47	-0.10	-0.92	2.45e-05	0.0	-6.94e-04
3898	156	-0.49	9.09	-1.04	-3.85e-04	0.0	4.06e-05
3898	161	6.04	-11.38	-0.38	5.72e-04	0.0	-4.39e-04
3898	176	10.41	-0.11	-0.91	2.40e-05	0.0	-6.82e-04
3898	188	-0.48	9.00	-1.04	-3.79e-04	0.0	4.13e-05
3898	193	6.05	-11.28	-0.38	5.66e-04	0.0	-4.39e-04
3898	208	12.14	-0.09	-0.96	1.69e-05	0.0	-7.93e-04
3898	220	-0.61	10.54	-1.10	-4.52e-04	0.0	5.35e-05
3898	225	7.09	-13.11	-0.34	6.49e-04	0.0	-5.18e-04
3899	4	0.59	0.26	-1.28	1.05e-04	0.0	-1.00e-05
3899	44	0.51	-2.22	-1.05	1.96e-04	0.0	-6.71e-06
3899	68	0.41	0.14	-0.89	7.50e-05	0.0	-7.52e-06
3899	88	0.36	-1.51	-0.74	1.35e-04	0.0	-5.31e-06
3899	98	0.34	-0.41	-0.71	8.30e-05	0.0	-7.23e-06
3899	105	0.32	-0.61	-0.67	8.83e-05	0.0	-6.76e-06
3899	107	0.32	-0.40	-0.67	7.89e-05	0.0	-7.14e-06
3899	112	9.49	-0.15	-0.91	4.33e-05	0.0	-6.21e-04
3899	124	-0.40	8.19	-1.02	-3.00e-04	0.0	4.90e-05
3899	129	5.51	-10.40	-0.42	5.04e-04	0.0	-3.99e-04
3899	144	10.65	-0.13	-0.95	3.89e-05	0.0	-6.99e-04
3899	156	-0.49	9.26	-1.07	-3.47e-04	0.0	5.65e-05
3899	161	6.17	-11.66	-0.39	5.57e-04	0.0	-4.49e-04

3899	176	10.58	-0.14	-0.94	3.86e-05	0.0	-6.88e-04
3899	188	-0.48	9.16	-1.06	-3.42e-04	0.0	5.85e-05
3899	193	6.17	-11.55	-0.39	5.51e-04	0.0	-4.50e-04
3899	208	12.34	-0.11	-0.98	3.20e-05	0.0	-8.02e-04
3899	220	-0.60	10.73	-1.12	-4.11e-04	0.0	7.31e-05
3899	225	7.23	-13.42	-0.35	6.29e-04	0.0	-5.34e-04
3900	4	0.37	0.46	-0.36	6.89e-05	0.0	-8.60e-06
3900	44	0.32	-1.64	-0.30	1.92e-04	0.0	-2.57e-06
3900	68	0.26	0.29	-0.26	5.09e-05	0.0	-6.18e-06
3900	88	0.22	-1.11	-0.22	1.33e-04	0.0	-2.16e-06
3900	98	0.21	-0.21	-0.21	7.13e-05	0.0	-4.84e-06
3900	105	0.20	-0.38	-0.20	7.97e-05	0.0	-4.12e-06
3900	107	0.20	-0.20	-0.21	6.84e-05	0.0	-4.73e-06
3900	112	8.14	-0.75	-0.02	-3.20e-04	0.0	-5.55e-04
3900	114	-6.09	4.72	-0.47	8.80e-05	0.0	4.23e-04
3900	129	4.67	-9.16	-0.08	8.83e-04	0.0	-3.45e-04
3900	144	9.15	-0.82	8.83e-03	-3.68e-04	0.0	-6.24e-04
3900	146	-6.89	5.33	-0.51	9.06e-05	0.0	4.77e-04
3900	161	5.25	-10.29	-0.07	9.85e-04	0.0	-3.89e-04
3900	176	9.10	-0.82	6.88e-03	-3.54e-04	0.0	-6.17e-04
3900	178	-6.85	5.23	-0.50	8.51e-05	0.0	4.69e-04
3900	193	5.26	-10.21	-0.07	9.72e-04	0.0	-3.91e-04
3900	208	10.63	-0.95	0.04	-4.19e-04	0.0	-7.21e-04
3900	210	-8.07	6.12	-0.55	8.60e-05	0.0	5.47e-04
3900	225	6.18	-11.91	-0.04	1.12e-03	0.0	-4.64e-04
3901	4	0.37	0.45	-0.30	6.78e-05	0.0	-8.56e-06
3901	44	0.32	-1.65	-0.25	1.91e-04	0.0	-2.54e-06
3901	68	0.26	0.29	-0.21	5.02e-05	0.0	-6.16e-06
3901	88	0.22	-1.11	-0.18	1.32e-04	0.0	-2.15e-06
3901	98	0.21	-0.21	-0.18	7.08e-05	0.0	-4.82e-06
3901	105	0.20	-0.38	-0.17	7.93e-05	0.0	-4.10e-06
3901	107	0.20	-0.20	-0.17	6.80e-05	0.0	-4.71e-06
3901	112	8.14	-1.03	-0.06	-3.31e-04	0.0	-5.55e-04
3901	114	-6.09	4.97	-0.33	1.05e-04	0.0	4.23e-04
3901	129	4.67	-9.28	-0.10	8.82e-04	0.0	-3.45e-04
3901	144	9.15	-1.14	-0.05	-3.80e-04	0.0	-6.24e-04
3901	146	-6.89	5.62	-0.35	1.10e-04	0.0	4.77e-04
3901	161	5.25	-10.43	-0.09	9.84e-04	0.0	-3.89e-04
3901	176	9.10	-1.14	-0.05	-3.65e-04	0.0	-6.17e-04
3901	178	-6.85	5.52	-0.35	1.04e-04	0.0	4.69e-04
3901	193	5.26	-10.36	-0.09	9.72e-04	0.0	-3.91e-04
3901	208	10.63	-1.32	-0.02	-4.32e-04	0.0	-7.21e-04
3901	210	-8.07	6.45	-0.38	1.08e-04	0.0	5.48e-04
3901	225	6.18	-12.08	-0.07	1.12e-03	0.0	-4.64e-04
3902	4	0.43	0.42	-0.38	6.85e-05	0.0	-7.58e-06
3902	44	0.37	-1.74	-0.31	1.91e-04	0.0	-1.88e-06
3902	68	0.30	0.26	-0.27	5.06e-05	0.0	-5.53e-06
3902	88	0.26	-1.18	-0.23	1.32e-04	0.0	-1.73e-06
3902	98	0.25	-0.24	-0.22	7.10e-05	0.0	-4.44e-06
3902	105	0.24	-0.42	-0.21	7.94e-05	0.0	-3.78e-06
3902	107	0.24	-0.23	-0.21	6.82e-05	0.0	-4.38e-06
3902	112	8.42	-0.79	-0.03	-2.75e-04	0.0	-5.71e-04
3902	114	-6.25	4.87	-0.47	7.94e-05	0.0	4.34e-04
3902	129	4.86	-9.61	-0.09	7.91e-04	0.0	-3.54e-04
3902	144	9.46	-0.86	-3.75e-03	-3.17e-04	0.0	-6.43e-04
3902	146	-7.07	5.51	-0.51	8.09e-05	0.0	4.89e-04
3902	161	5.44	-10.78	-0.08	8.81e-04	0.0	-3.99e-04
3902	176	9.40	-0.86	-5.64e-03	-3.04e-04	0.0	-6.35e-04
3902	178	-7.03	5.41	-0.50	7.62e-05	0.0	4.81e-04
3902	193	5.46	-10.70	-0.08	8.70e-04	0.0	-4.00e-04
3902	208	10.98	-0.99	0.03	-3.62e-04	0.0	-7.42e-04
3902	210	-8.28	6.33	-0.55	7.58e-05	0.0	5.61e-04
3902	225	6.41	-12.47	-0.05	1.00e-03	0.0	-4.75e-04
3903	4	0.43	0.42	-0.31	6.76e-05	0.0	-7.54e-06
3903	44	0.37	-1.75	-0.26	1.91e-04	0.0	-1.86e-06
3903	68	0.30	0.26	-0.22	5.01e-05	0.0	-5.50e-06
3903	88	0.26	-1.18	-0.19	1.32e-04	0.0	-1.72e-06
3903	98	0.25	-0.25	-0.19	7.07e-05	0.0	-4.42e-06
3903	105	0.24	-0.42	-0.18	7.92e-05	0.0	-3.77e-06
3903	107	0.24	-0.24	-0.18	6.79e-05	0.0	-4.36e-06
3903	112	8.42	-1.08	-0.07	-2.83e-04	0.0	-5.71e-04
3903	114	-6.25	5.13	-0.34	9.40e-05	0.0	4.34e-04
3903	129	4.85	-9.73	-0.11	7.89e-04	0.0	-3.54e-04
3903	144	9.45	-1.19	-0.05	-3.27e-04	0.0	-6.43e-04
3903	146	-7.07	5.81	-0.36	9.74e-05	0.0	4.90e-04

3903	161	5.44	-10.92	-0.10	8.80e-04	0.0	-3.99e-04
3903	176	9.40	-1.19	-0.05	-3.14e-04	0.0	-6.35e-04
3903	178	-7.03	5.70	-0.36	9.23e-05	0.0	4.81e-04
3903	193	5.46	-10.85	-0.10	8.69e-04	0.0	-4.00e-04
3903	208	10.98	-1.37	-0.03	-3.73e-04	0.0	-7.42e-04
3903	210	-8.28	6.66	-0.39	9.45e-05	0.0	5.61e-04
3903	225	6.41	-12.65	-0.08	1.00e-03	0.0	-4.75e-04
3904	4	0.49	0.38	-0.40	6.79e-05	0.0	-6.86e-06
3904	44	0.42	-1.85	-0.33	1.91e-04	0.0	-1.46e-06
3904	68	0.34	0.24	-0.28	5.02e-05	0.0	-5.09e-06
3904	88	0.30	-1.25	-0.24	1.32e-04	0.0	-1.49e-06
3904	98	0.28	-0.28	-0.23	7.07e-05	0.0	-4.22e-06
3904	105	0.27	-0.46	-0.22	7.91e-05	0.0	-3.62e-06
3904	107	0.27	-0.27	-0.23	6.78e-05	0.0	-4.20e-06
3904	112	8.69	-0.82	-0.05	-2.10e-04	0.0	-5.83e-04
3904	114	-6.41	4.99	-0.47	6.70e-05	0.0	4.42e-04
3904	129	5.02	-9.99	-0.11	6.59e-04	0.0	-3.60e-04
3904	144	9.76	-0.89	-0.03	-2.44e-04	0.0	-6.57e-04
3904	146	-7.25	5.65	-0.50	6.70e-05	0.0	4.98e-04
3904	161	5.63	-11.21	-0.10	7.32e-04	0.0	-4.06e-04
3904	176	9.70	-0.89	-0.03	-2.34e-04	0.0	-6.49e-04
3904	178	-7.21	5.54	-0.50	6.33e-05	0.0	4.89e-04
3904	193	5.64	-11.13	-0.10	7.24e-04	0.0	-4.07e-04
3904	208	11.32	-1.02	1.31e-03	-2.81e-04	0.0	-7.58e-04
3904	210	-8.50	6.49	-0.55	6.13e-05	0.0	5.70e-04
3904	225	6.62	-12.96	-0.07	8.33e-04	0.0	-4.83e-04
3905	4	0.48	0.38	-0.32	6.73e-05	0.0	-6.77e-06
3905	44	0.42	-1.85	-0.27	1.90e-04	0.0	-1.43e-06
3905	68	0.34	0.23	-0.23	4.99e-05	0.0	-5.02e-06
3905	88	0.29	-1.25	-0.19	1.32e-04	0.0	-1.47e-06
3905	98	0.28	-0.28	-0.19	7.05e-05	0.0	-4.18e-06
3905	105	0.27	-0.46	-0.18	7.90e-05	0.0	-3.59e-06
3905	107	0.27	-0.27	-0.18	6.77e-05	0.0	-4.17e-06
3905	109	8.69	-6.11	-0.04	8.30e-05	0.0	-5.76e-04
3905	114	-6.41	5.26	-0.34	7.88e-05	0.0	4.42e-04
3905	129	5.02	-10.11	-0.11	6.57e-04	0.0	-3.61e-04
3905	144	9.76	-1.23	-0.06	-2.51e-04	0.0	-6.57e-04
3905	146	-7.26	5.95	-0.36	8.03e-05	0.0	4.99e-04
3905	161	5.63	-11.35	-0.10	7.30e-04	0.0	-4.07e-04
3905	176	9.70	-1.23	-0.06	-2.41e-04	0.0	-6.49e-04
3905	178	-7.21	5.84	-0.36	7.62e-05	0.0	4.90e-04
3905	193	5.64	-11.27	-0.10	7.22e-04	0.0	-4.07e-04
3905	208	11.32	-1.41	-0.04	-2.88e-04	0.0	-7.58e-04
3905	210	-8.50	6.84	-0.39	7.62e-05	0.0	5.71e-04
3905	225	6.62	-13.13	-0.09	8.30e-04	0.0	-4.84e-04
3906	4	0.58	0.35	-0.44	6.77e-05	0.0	-6.80e-06
3906	44	0.49	-1.95	-0.37	1.90e-04	0.0	-1.36e-06
3906	68	0.40	0.21	-0.31	5.01e-05	0.0	-5.10e-06
3906	88	0.35	-1.32	-0.26	1.32e-04	0.0	-1.46e-06
3906	98	0.33	-0.32	-0.26	7.04e-05	0.0	-4.30e-06
3906	105	0.31	-0.50	-0.25	7.87e-05	0.0	-3.72e-06
3906	107	0.31	-0.30	-0.25	6.75e-05	0.0	-4.30e-06
3906	109	9.01	-5.99	-0.05	9.61e-05	0.0	-5.83e-04
3906	114	-6.58	5.08	-0.47	5.21e-05	0.0	4.45e-04
3906	129	5.23	-10.30	-0.15	4.94e-04	0.0	-3.64e-04
3906	141	10.12	-6.70	-0.02	9.96e-05	0.0	-6.56e-04
3906	146	-7.45	5.76	-0.50	5.02e-05	0.0	5.02e-04
3906	161	5.86	-11.55	-0.13	5.48e-04	0.0	-4.11e-04
3906	173	10.05	-6.62	-0.02	1.03e-04	0.0	-6.46e-04
3906	178	-7.40	5.64	-0.50	4.79e-05	0.0	4.93e-04
3906	193	5.87	-11.47	-0.13	5.42e-04	0.0	-4.11e-04
3906	208	11.73	-1.04	-0.05	-1.79e-04	0.0	-7.69e-04
3906	210	-8.73	6.61	-0.54	4.38e-05	0.0	5.75e-04
3906	225	6.88	-13.35	-0.11	6.20e-04	0.0	-4.87e-04
3907	4	0.55	0.35	-0.32	6.70e-05	0.0	-6.28e-06
3907	44	0.47	-1.95	-0.27	1.90e-04	0.0	-1.30e-06
3907	68	0.39	0.21	-0.23	4.96e-05	0.0	-4.75e-06
3907	88	0.33	-1.32	-0.20	1.32e-04	0.0	-1.42e-06
3907	98	0.32	-0.32	-0.19	7.02e-05	0.0	-4.13e-06
3907	105	0.30	-0.50	-0.19	7.87e-05	0.0	-3.59e-06
3907	107	0.30	-0.31	-0.19	6.74e-05	0.0	-4.15e-06
3907	109	8.99	-6.28	-0.04	8.80e-05	0.0	-5.85e-04
3907	114	-6.58	5.35	-0.35	6.22e-05	0.0	4.49e-04
3907	129	5.21	-10.41	-0.11	5.11e-04	0.0	-3.67e-04
3907	141	10.09	-7.04	-0.02	9.06e-05	0.0	-6.59e-04

3907	146	-7.45	6.06	-0.37	6.17e-05	0.0	5.06e-04
3907	161	5.84	-11.68	-0.10	5.66e-04	0.0	-4.13e-04
3907	176	10.03	-1.26	-0.06	-1.61e-04	0.0	-6.60e-04
3907	178	-7.40	5.94	-0.37	5.88e-05	0.0	4.96e-04
3907	193	5.85	-11.60	-0.10	5.60e-04	0.0	-4.14e-04
3907	208	11.70	-1.44	-0.04	-1.96e-04	0.0	-7.71e-04
3907	210	-8.73	6.96	-0.40	5.63e-05	0.0	5.79e-04
3907	225	6.85	-13.52	-0.09	6.42e-04	0.0	-4.91e-04
3908	4	0.37	0.45	-0.24	6.68e-05	0.0	-8.44e-06
3908	44	0.32	-1.65	-0.21	1.90e-04	0.0	-2.47e-06
3908	68	0.26	0.28	-0.17	4.95e-05	0.0	-6.07e-06
3908	88	0.22	-1.11	-0.15	1.32e-04	0.0	-2.09e-06
3908	98	0.21	-0.21	-0.15	7.05e-05	0.0	-4.75e-06
3908	105	0.20	-0.38	-0.14	7.90e-05	0.0	-4.04e-06
3908	107	0.20	-0.20	-0.14	6.77e-05	0.0	-4.65e-06
3908	112	8.14	-1.31	-0.08	-3.43e-04	0.0	-5.55e-04
3908	114	-6.09	5.23	-0.24	1.23e-04	0.0	4.23e-04
3908	129	4.68	-9.41	-0.10	8.83e-04	0.0	-3.45e-04
3908	144	9.15	-1.46	-0.07	-3.94e-04	0.0	-6.24e-04
3908	146	-6.89	5.91	-0.25	1.30e-04	0.0	4.77e-04
3908	161	5.25	-10.57	-0.10	9.85e-04	0.0	-3.89e-04
3908	176	9.10	-1.46	-0.07	-3.78e-04	0.0	-6.17e-04
3908	178	-6.85	5.80	-0.25	1.24e-04	0.0	4.69e-04
3908	193	5.26	-10.50	-0.10	9.73e-04	0.0	-3.91e-04
3908	208	10.63	-1.69	-0.06	-4.47e-04	0.0	-7.21e-04
3908	210	-8.06	6.79	-0.26	1.31e-04	0.0	5.48e-04
3908	225	6.18	-12.26	-0.09	1.12e-03	0.0	-4.64e-04
3909	4	0.43	0.41	-0.25	6.67e-05	0.0	-7.31e-06
3909	44	0.37	-1.75	-0.21	1.90e-04	0.0	-1.79e-06
3909	68	0.30	0.26	-0.18	4.95e-05	0.0	-5.35e-06
3909	88	0.26	-1.18	-0.16	1.32e-04	0.0	-1.67e-06
3909	98	0.25	-0.25	-0.15	7.04e-05	0.0	-4.32e-06
3909	105	0.24	-0.42	-0.15	7.89e-05	0.0	-3.68e-06
3909	107	0.24	-0.24	-0.15	6.76e-05	0.0	-4.27e-06
3909	112	8.42	-1.37	-0.08	-2.94e-04	0.0	-5.71e-04
3909	114	-6.25	5.39	-0.24	1.10e-04	0.0	4.35e-04
3909	129	4.85	-9.85	-0.11	7.91e-04	0.0	-3.54e-04
3909	144	9.45	-1.52	-0.07	-3.39e-04	0.0	-6.43e-04
3909	146	-7.07	6.10	-0.26	1.16e-04	0.0	4.90e-04
3909	161	5.44	-11.06	-0.10	8.81e-04	0.0	-3.99e-04
3909	176	9.40	-1.51	-0.07	-3.25e-04	0.0	-6.35e-04
3909	178	-7.03	5.99	-0.26	1.10e-04	0.0	4.82e-04
3909	193	5.46	-10.99	-0.10	8.70e-04	0.0	-4.00e-04
3909	208	10.98	-1.75	-0.06	-3.86e-04	0.0	-7.42e-04
3909	210	-8.28	7.00	-0.27	1.15e-04	0.0	5.62e-04
3909	225	6.41	-12.82	-0.09	1.00e-03	0.0	-4.76e-04
3910	4	0.48	0.38	-0.26	6.66e-05	0.0	-6.44e-06
3910	44	0.41	-1.85	-0.22	1.90e-04	0.0	-1.35e-06
3910	68	0.34	0.23	-0.18	4.94e-05	0.0	-4.81e-06
3910	88	0.29	-1.25	-0.16	1.32e-04	0.0	-1.42e-06
3910	98	0.28	-0.29	-0.16	7.03e-05	0.0	-4.05e-06
3910	105	0.26	-0.46	-0.15	7.89e-05	0.0	-3.48e-06
3910	107	0.27	-0.27	-0.15	6.76e-05	0.0	-4.05e-06
3910	109	8.69	-6.41	-0.06	7.13e-05	0.0	-5.78e-04
3910	114	-6.41	5.53	-0.25	9.24e-05	0.0	4.44e-04
3910	129	5.02	-10.23	-0.11	6.63e-04	0.0	-3.62e-04
3910	141	9.76	-7.18	-0.05	7.18e-05	0.0	-6.50e-04
3910	146	-7.26	6.26	-0.26	9.56e-05	0.0	5.01e-04
3910	161	5.63	-11.49	-0.10	7.37e-04	0.0	-4.08e-04
3910	176	9.70	-1.56	-0.08	-2.52e-04	0.0	-6.50e-04
3910	178	-7.21	6.13	-0.26	9.09e-05	0.0	4.92e-04
3910	193	5.64	-11.41	-0.10	7.29e-04	0.0	-4.09e-04
3910	208	11.32	-1.80	-0.06	-3.02e-04	0.0	-7.59e-04
3910	210	-8.50	7.18	-0.28	9.32e-05	0.0	5.74e-04
3910	225	6.62	-13.31	-0.09	8.39e-04	0.0	-4.86e-04
3911	4	0.54	0.34	-0.26	6.64e-05	0.0	-5.89e-06
3911	44	0.46	-1.95	-0.22	1.90e-04	0.0	-1.28e-06
3911	68	0.38	0.21	-0.19	4.93e-05	0.0	-4.49e-06
3911	88	0.33	-1.32	-0.16	1.32e-04	0.0	-1.41e-06
3911	98	0.31	-0.32	-0.16	7.02e-05	0.0	-4.01e-06
3911	105	0.29	-0.50	-0.15	7.88e-05	0.0	-3.50e-06
3911	107	0.30	-0.31	-0.15	6.75e-05	0.0	-4.04e-06
3911	109	8.97	-6.59	-0.06	7.94e-05	0.0	-5.89e-04
3911	114	-6.57	5.62	-0.25	7.30e-05	0.0	4.53e-04
3911	129	5.20	-10.54	-0.11	5.24e-04	0.0	-3.71e-04

3911	141	10.07	-7.38	-0.05	8.09e-05	0.0	-6.64e-04
3911	146	-7.45	6.37	-0.26	7.38e-05	0.0	5.11e-04
3911	161	5.82	-11.83	-0.10	5.81e-04	0.0	-4.18e-04
3911	176	10.01	-1.60	-0.08	-1.74e-04	0.0	-6.62e-04
3911	178	-7.40	6.24	-0.26	7.03e-05	0.0	5.01e-04
3911	193	5.83	-11.75	-0.10	5.75e-04	0.0	-4.18e-04
3911	208	11.68	-1.84	-0.06	-2.11e-04	0.0	-7.74e-04
3911	210	-8.72	7.31	-0.28	6.95e-05	0.0	5.85e-04
3911	225	6.84	-13.70	-0.09	6.60e-04	0.0	-4.97e-04
3912	4	0.37	0.44	-0.21	6.54e-05	0.0	-8.20e-06
3912	44	0.32	-1.65	-0.18	1.89e-04	0.0	-2.39e-06
3912	68	0.26	0.28	-0.15	4.86e-05	0.0	-5.91e-06
3912	88	0.22	-1.11	-0.13	1.31e-04	0.0	-2.04e-06
3912	98	0.21	-0.21	-0.13	6.99e-05	0.0	-4.65e-06
3912	105	0.20	-0.38	-0.13	7.85e-05	0.0	-3.95e-06
3912	107	0.20	-0.20	-0.13	6.72e-05	0.0	-4.55e-06
3912	112	8.14	-1.60	-0.09	-3.56e-04	0.0	-5.54e-04
3912	114	-6.09	5.49	-0.18	1.41e-04	0.0	4.23e-04
3912	129	4.68	-9.53	-0.11	8.85e-04	0.0	-3.45e-04
3912	144	9.15	-1.78	-0.09	-4.08e-04	0.0	-6.24e-04
3912	146	-6.89	6.20	-0.18	1.51e-04	0.0	4.77e-04
3912	161	5.25	-10.71	-0.10	9.87e-04	0.0	-3.89e-04
3912	176	9.10	-1.77	-0.09	-3.92e-04	0.0	-6.17e-04
3912	178	-6.85	6.09	-0.18	1.44e-04	0.0	4.69e-04
3912	193	5.26	-10.65	-0.10	9.76e-04	0.0	-3.90e-04
3912	208	10.63	-2.06	-0.08	-4.63e-04	0.0	-7.21e-04
3912	210	-8.06	7.12	-0.19	1.54e-04	0.0	5.48e-04
3912	225	6.19	-12.43	-0.10	1.13e-03	0.0	-4.64e-04
3913	4	0.43	0.41	-0.22	6.56e-05	0.0	-6.88e-06
3913	44	0.37	-1.75	-0.19	1.90e-04	0.0	-1.65e-06
3913	68	0.30	0.25	-0.16	4.88e-05	0.0	-5.06e-06
3913	88	0.26	-1.18	-0.14	1.31e-04	0.0	-1.57e-06
3913	98	0.25	-0.25	-0.14	7.00e-05	0.0	-4.13e-06
3913	105	0.24	-0.42	-0.13	7.86e-05	0.0	-3.53e-06
3913	107	0.24	-0.24	-0.13	6.73e-05	0.0	-4.10e-06
3913	112	8.42	-1.66	-0.10	-3.06e-04	0.0	-5.70e-04
3913	114	-6.25	5.66	-0.18	1.26e-04	0.0	4.35e-04
3913	129	4.85	-9.98	-0.11	7.95e-04	0.0	-3.54e-04
3913	144	9.45	-1.85	-0.09	-3.53e-04	0.0	-6.42e-04
3913	146	-7.07	6.40	-0.19	1.34e-04	0.0	4.91e-04
3913	161	5.44	-11.20	-0.11	8.86e-04	0.0	-3.99e-04
3913	176	9.40	-1.84	-0.09	-3.38e-04	0.0	-6.35e-04
3913	178	-7.03	6.28	-0.19	1.28e-04	0.0	4.82e-04
3913	193	5.46	-11.14	-0.11	8.76e-04	0.0	-4.00e-04
3913	208	10.98	-2.13	-0.09	-4.01e-04	0.0	-7.42e-04
3913	210	-8.28	7.34	-0.20	1.35e-04	0.0	5.62e-04
3913	225	6.41	-13.00	-0.10	1.01e-03	0.0	-4.76e-04
3914	4	0.48	0.37	-0.22	6.58e-05	0.0	-5.93e-06
3914	44	0.41	-1.85	-0.19	1.90e-04	0.0	-1.21e-06
3914	68	0.34	0.23	-0.16	4.90e-05	0.0	-4.46e-06
3914	88	0.29	-1.25	-0.14	1.32e-04	0.0	-1.32e-06
3914	98	0.28	-0.29	-0.14	7.02e-05	0.0	-3.83e-06
3914	105	0.26	-0.46	-0.13	7.88e-05	0.0	-3.30e-06
3914	107	0.26	-0.28	-0.14	6.75e-05	0.0	-3.85e-06
3914	109	8.69	-6.71	-0.09	5.99e-05	0.0	-5.78e-04
3914	114	-6.41	5.80	-0.19	1.06e-04	0.0	4.45e-04
3914	129	5.02	-10.36	-0.11	6.71e-04	0.0	-3.63e-04
3914	144	9.76	-1.91	-0.09	-2.77e-04	0.0	-6.58e-04
3914	146	-7.26	6.56	-0.19	1.11e-04	0.0	5.02e-04
3914	161	5.63	-11.63	-0.11	7.46e-04	0.0	-4.09e-04
3914	176	9.70	-1.90	-0.09	-2.65e-04	0.0	-6.50e-04
3914	178	-7.21	6.43	-0.19	1.05e-04	0.0	4.93e-04
3914	193	5.64	-11.57	-0.11	7.38e-04	0.0	-4.10e-04
3914	208	11.32	-2.19	-0.09	-3.16e-04	0.0	-7.59e-04
3914	210	-8.50	7.53	-0.20	1.10e-04	0.0	5.75e-04
3914	225	6.62	-13.49	-0.10	8.49e-04	0.0	-4.87e-04
3915	4	0.53	0.34	-0.23	6.61e-05	0.0	-5.48e-06
3915	44	0.46	-1.95	-0.19	1.90e-04	0.0	-1.21e-06
3915	68	0.37	0.20	-0.16	4.91e-05	0.0	-4.21e-06
3915	88	0.32	-1.32	-0.14	1.32e-04	0.0	-1.37e-06
3915	98	0.31	-0.32	-0.14	7.04e-05	0.0	-3.84e-06
3915	105	0.29	-0.51	-0.14	7.90e-05	0.0	-3.37e-06
3915	107	0.29	-0.31	-0.14	6.76e-05	0.0	-3.89e-06
3915	109	8.96	-6.89	-0.09	7.11e-05	0.0	-5.90e-04
3915	114	-6.57	5.90	-0.19	8.35e-05	0.0	4.54e-04

3915	129	5.19	-10.68	-0.11	5.35e-04	0.0	-3.71e-04
3915	144	10.06	-1.95	-0.10	-1.95e-04	0.0	-6.71e-04
3915	146	-7.44	6.68	-0.20	8.56e-05	0.0	5.12e-04
3915	161	5.81	-11.98	-0.11	5.94e-04	0.0	-4.18e-04
3915	176	10.00	-1.94	-0.10	-1.85e-04	0.0	-6.62e-04
3915	178	-7.40	6.55	-0.20	8.16e-05	0.0	5.03e-04
3915	193	5.82	-11.91	-0.11	5.87e-04	0.0	-4.19e-04
3915	208	11.66	-2.23	-0.09	-2.24e-04	0.0	-7.73e-04
3915	210	-8.72	7.66	-0.21	8.24e-05	0.0	5.86e-04
3915	225	6.83	-13.89	-0.10	6.74e-04	0.0	-4.98e-04
3916	4	0.37	0.44	-0.20	6.38e-05	0.0	-7.85e-06
3916	44	0.32	-1.65	-0.17	1.89e-04	0.0	-2.31e-06
3916	68	0.26	0.28	-0.14	4.76e-05	0.0	-5.68e-06
3916	88	0.23	-1.11	-0.13	1.31e-04	0.0	-1.98e-06
3916	98	0.22	-0.22	-0.13	6.93e-05	0.0	-4.49e-06
3916	105	0.20	-0.38	-0.12	7.80e-05	0.0	-3.83e-06
3916	107	0.20	-0.21	-0.12	6.66e-05	0.0	-4.42e-06
3916	112	8.14	-1.88	-0.11	-3.68e-04	0.0	-5.53e-04
3916	114	-6.09	5.75	-0.15	1.58e-04	0.0	4.23e-04
3916	129	4.68	-9.66	-0.11	8.87e-04	0.0	-3.44e-04
3916	144	9.15	-2.10	-0.11	-4.22e-04	0.0	-6.23e-04
3916	146	-6.88	6.49	-0.15	1.70e-04	0.0	4.76e-04
3916	161	5.25	-10.85	-0.11	9.90e-04	0.0	-3.87e-04
3916	176	9.10	-2.09	-0.11	-4.06e-04	0.0	-6.15e-04
3916	178	-6.85	6.37	-0.15	1.63e-04	0.0	4.69e-04
3916	193	5.26	-10.80	-0.11	9.78e-04	0.0	-3.89e-04
3916	208	10.63	-2.43	-0.10	-4.79e-04	0.0	-7.19e-04
3916	210	-8.06	7.45	-0.15	1.76e-04	0.0	5.47e-04
3916	225	6.19	-12.61	-0.10	1.13e-03	0.0	-4.62e-04
3917	4	0.43	0.40	-0.21	6.43e-05	0.0	-6.32e-06
3917	44	0.37	-1.75	-0.18	1.89e-04	0.0	-1.53e-06
3917	68	0.30	0.25	-0.15	4.80e-05	0.0	-4.68e-06
3917	88	0.26	-1.18	-0.13	1.31e-04	0.0	-1.49e-06
3917	98	0.25	-0.25	-0.13	6.96e-05	0.0	-3.89e-06
3917	105	0.24	-0.42	-0.13	7.83e-05	0.0	-3.33e-06
3917	107	0.24	-0.24	-0.13	6.69e-05	0.0	-3.88e-06
3917	112	8.42	-1.95	-0.11	-3.19e-04	0.0	-5.68e-04
3917	114	-6.25	5.92	-0.15	1.42e-04	0.0	4.34e-04
3917	129	4.86	-10.10	-0.11	8.00e-04	0.0	-3.52e-04
3917	144	9.45	-2.18	-0.11	-3.67e-04	0.0	-6.40e-04
3917	146	-7.07	6.70	-0.16	1.51e-04	0.0	4.89e-04
3917	161	5.44	-11.35	-0.11	8.91e-04	0.0	-3.97e-04
3917	176	9.40	-2.16	-0.11	-3.52e-04	0.0	-6.32e-04
3917	178	-7.03	6.57	-0.16	1.44e-04	0.0	4.81e-04
3917	193	5.46	-11.29	-0.11	8.81e-04	0.0	-3.98e-04
3917	208	10.98	-2.51	-0.11	-4.16e-04	0.0	-7.39e-04
3917	210	-8.28	7.69	-0.16	1.55e-04	0.0	5.61e-04
3917	225	6.41	-13.18	-0.11	1.02e-03	0.0	-4.73e-04
3918	4	0.48	0.37	-0.21	6.51e-05	0.0	-5.30e-06
3918	44	0.41	-1.85	-0.18	1.90e-04	0.0	-1.08e-06
3918	68	0.34	0.23	-0.15	4.85e-05	0.0	-4.03e-06
3918	88	0.29	-1.25	-0.13	1.32e-04	0.0	-1.22e-06
3918	98	0.28	-0.29	-0.13	7.01e-05	0.0	-3.56e-06
3918	105	0.26	-0.47	-0.13	7.87e-05	0.0	-3.08e-06
3918	107	0.26	-0.28	-0.13	6.74e-05	0.0	-3.61e-06
3918	109	8.69	-7.01	-0.11	4.86e-05	0.0	-5.75e-04
3918	114	-6.41	6.07	-0.16	1.19e-04	0.0	4.44e-04
3918	129	5.02	-10.49	-0.11	6.78e-04	0.0	-3.60e-04
3918	144	9.76	-2.24	-0.11	-2.90e-04	0.0	-6.55e-04
3918	146	-7.26	6.87	-0.16	1.25e-04	0.0	5.00e-04
3918	161	5.63	-11.78	-0.11	7.55e-04	0.0	-4.06e-04
3918	176	9.70	-2.23	-0.11	-2.77e-04	0.0	-6.47e-04
3918	178	-7.21	6.73	-0.16	1.20e-04	0.0	4.91e-04
3918	193	5.64	-11.72	-0.11	7.46e-04	0.0	-4.07e-04
3918	208	11.32	-2.58	-0.11	-3.30e-04	0.0	-7.56e-04
3918	210	-8.50	7.88	-0.16	1.26e-04	0.0	5.73e-04
3918	225	6.62	-13.68	-0.11	8.60e-04	0.0	-4.83e-04
3919	4	0.53	0.34	-0.21	6.60e-05	0.0	-4.94e-06
3919	44	0.45	-1.95	-0.18	1.91e-04	0.0	-1.11e-06
3919	68	0.37	0.20	-0.16	4.91e-05	0.0	-3.85e-06
3919	88	0.32	-1.32	-0.13	1.32e-04	0.0	-1.29e-06
3919	98	0.30	-0.33	-0.13	7.06e-05	0.0	-3.61e-06
3919	105	0.29	-0.51	-0.13	7.92e-05	0.0	-3.18e-06
3919	107	0.29	-0.31	-0.13	6.79e-05	0.0	-3.68e-06
3919	112	8.95	-2.07	-0.12	-1.77e-04	0.0	-5.93e-04

3919	114	-6.57	6.18	-0.16	9.44e-05	0.0	4.52e-04
3919	129	5.18	-10.81	-0.12	5.46e-04	0.0	-3.68e-04
3919	144	10.05	-2.30	-0.11	-2.07e-04	0.0	-6.68e-04
3919	146	-7.44	6.99	-0.16	9.77e-05	0.0	5.10e-04
3919	161	5.81	-12.13	-0.11	6.06e-04	0.0	-4.15e-04
3919	176	9.99	-2.28	-0.11	-1.97e-04	0.0	-6.59e-04
3919	178	-7.39	6.85	-0.16	9.31e-05	0.0	5.00e-04
3919	193	5.81	-12.07	-0.11	5.99e-04	0.0	-4.16e-04
3919	208	11.65	-2.63	-0.11	-2.37e-04	0.0	-7.70e-04
3919	210	-8.72	8.02	-0.17	9.56e-05	0.0	5.84e-04
3919	225	6.82	-14.08	-0.11	6.88e-04	0.0	-4.94e-04
3920	4	0.37	0.43	-0.21	6.19e-05	0.0	-7.41e-06
3920	44	0.32	-1.65	-0.18	1.87e-04	0.0	-2.20e-06
3920	68	0.26	0.27	-0.15	4.63e-05	0.0	-5.38e-06
3920	88	0.23	-1.12	-0.13	1.30e-04	0.0	-1.91e-06
3920	98	0.22	-0.22	-0.13	6.85e-05	0.0	-4.30e-06
3920	105	0.21	-0.39	-0.13	7.73e-05	0.0	-3.68e-06
3920	107	0.21	-0.21	-0.13	6.59e-05	0.0	-4.24e-06
3920	112	8.14	-2.16	-0.12	-3.79e-04	0.0	-5.51e-04
3920	129	4.68	-9.78	-0.11	8.87e-04	0.0	-3.41e-04
3920	130	-4.27	9.36	-0.15	-7.55e-04	0.0	3.32e-04
3920	144	9.15	-2.41	-0.12	-4.35e-04	0.0	-6.20e-04
3920	161	5.25	-10.99	-0.11	9.89e-04	0.0	-3.84e-04
3920	162	-4.84	10.57	-0.15	-8.58e-04	0.0	3.76e-04
3920	176	9.10	-2.40	-0.12	-4.18e-04	0.0	-6.13e-04
3920	193	5.26	-10.94	-0.11	9.78e-04	0.0	-3.86e-04
3920	194	-4.85	10.52	-0.15	-8.46e-04	0.0	3.78e-04
3920	208	10.63	-2.79	-0.12	-4.93e-04	0.0	-7.17e-04
3920	225	6.19	-12.79	-0.10	1.13e-03	0.0	-4.59e-04
3920	226	-5.78	12.37	-0.15	-9.99e-04	0.0	4.50e-04
3921	4	0.43	0.40	-0.22	6.29e-05	0.0	-5.73e-06
3921	44	0.37	-1.75	-0.18	1.88e-04	0.0	-1.51e-06
3921	68	0.30	0.25	-0.16	4.71e-05	0.0	-4.29e-06
3921	88	0.26	-1.18	-0.13	1.31e-04	0.0	-1.48e-06
3921	98	0.25	-0.25	-0.14	6.91e-05	0.0	-3.66e-06
3921	105	0.24	-0.43	-0.13	7.79e-05	0.0	-3.17e-06
3921	107	0.24	-0.24	-0.13	6.65e-05	0.0	-3.68e-06
3921	109	8.42	-7.06	-0.12	2.19e-05	0.0	-5.57e-04
3921	129	4.86	-10.23	-0.11	8.02e-04	0.0	-3.47e-04
3921	130	-4.38	9.74	-0.15	-6.69e-04	0.0	3.40e-04
3921	144	9.45	-2.50	-0.13	-3.79e-04	0.0	-6.35e-04
3921	161	5.45	-11.49	-0.11	8.94e-04	0.0	-3.92e-04
3921	162	-4.97	11.00	-0.15	-7.61e-04	0.0	3.84e-04
3921	176	9.40	-2.49	-0.13	-3.63e-04	0.0	-6.28e-04
3921	193	5.46	-11.44	-0.11	8.84e-04	0.0	-3.93e-04
3921	194	-4.98	10.95	-0.15	-7.51e-04	0.0	3.86e-04
3921	208	10.98	-2.88	-0.13	-4.30e-04	0.0	-7.34e-04
3921	225	6.41	-13.36	-0.11	1.02e-03	0.0	-4.67e-04
3921	226	-5.93	12.87	-0.16	-8.88e-04	0.0	4.60e-04
3922	4	0.48	0.37	-0.22	6.44e-05	0.0	-4.69e-06
3922	44	0.41	-1.85	-0.19	1.89e-04	0.0	-1.16e-06
3922	68	0.34	0.22	-0.16	4.81e-05	0.0	-3.63e-06
3922	88	0.29	-1.25	-0.14	1.31e-04	0.0	-1.28e-06
3922	98	0.28	-0.29	-0.14	6.99e-05	0.0	-3.35e-06
3922	105	0.26	-0.47	-0.13	7.87e-05	0.0	-2.94e-06
3922	107	0.26	-0.28	-0.13	6.73e-05	0.0	-3.42e-06
3922	109	8.69	-7.30	-0.12	3.76e-05	0.0	-5.68e-04
3922	129	5.02	-10.62	-0.11	6.85e-04	0.0	-3.54e-04
3922	130	-4.49	10.06	-0.15	-5.50e-04	0.0	3.47e-04
3922	144	9.75	-2.58	-0.13	-3.02e-04	0.0	-6.48e-04
3922	161	5.63	-11.92	-0.11	7.62e-04	0.0	-3.99e-04
3922	162	-5.10	11.37	-0.16	-6.28e-04	0.0	3.93e-04
3922	176	9.70	-2.56	-0.13	-2.89e-04	0.0	-6.41e-04
3922	193	5.64	-11.87	-0.11	7.54e-04	0.0	-4.00e-04
3922	194	-5.11	11.31	-0.16	-6.19e-04	0.0	3.94e-04
3922	208	11.32	-2.96	-0.13	-3.44e-04	0.0	-7.49e-04
3922	225	6.62	-13.86	-0.11	8.69e-04	0.0	-4.76e-04
3922	226	-6.09	13.30	-0.16	-7.34e-04	0.0	4.69e-04
3923	4	0.52	0.33	-0.22	6.61e-05	0.0	-4.39e-06
3923	44	0.45	-1.95	-0.19	1.91e-04	0.0	-1.18e-06
3923	68	0.37	0.20	-0.16	4.92e-05	0.0	-3.48e-06
3923	88	0.32	-1.32	-0.14	1.32e-04	0.0	-1.34e-06
3923	98	0.30	-0.33	-0.14	7.09e-05	0.0	-3.40e-06
3923	105	0.29	-0.51	-0.13	7.96e-05	0.0	-3.03e-06
3923	107	0.29	-0.31	-0.14	6.82e-05	0.0	-3.50e-06

3923	112	8.94	-2.37	-0.13	-1.88e-04	0.0	-5.87e-04
3923	129	5.18	-10.94	-0.12	5.57e-04	0.0	-3.62e-04
3923	130	-4.60	10.31	-0.16	-4.21e-04	0.0	3.55e-04
3923	144	10.04	-2.63	-0.13	-2.20e-04	0.0	-6.61e-04
3923	161	5.80	-12.28	-0.11	6.19e-04	0.0	-4.08e-04
3923	162	-5.23	11.65	-0.16	-4.82e-04	0.0	4.01e-04
3923	176	9.98	-2.61	-0.13	-2.09e-04	0.0	-6.53e-04
3923	193	5.81	-12.22	-0.11	6.12e-04	0.0	-4.09e-04
3923	194	-5.24	11.59	-0.16	-4.76e-04	0.0	4.02e-04
3923	208	11.65	-3.02	-0.13	-2.51e-04	0.0	-7.63e-04
3923	225	6.81	-14.27	-0.11	7.03e-04	0.0	-4.86e-04
3923	226	-6.24	13.64	-0.16	-5.67e-04	0.0	4.79e-04
3924	4	0.38	0.43	-0.24	5.98e-05	0.0	-6.97e-06
3924	44	0.32	-1.65	-0.20	1.87e-04	0.0	-2.06e-06
3924	68	0.26	0.27	-0.17	4.50e-05	0.0	-5.09e-06
3924	88	0.23	-1.12	-0.14	1.30e-04	0.0	-1.81e-06
3924	98	0.22	-0.22	-0.15	6.77e-05	0.0	-4.09e-06
3924	105	0.21	-0.39	-0.14	7.67e-05	0.0	-3.51e-06
3924	107	0.21	-0.21	-0.14	6.52e-05	0.0	-4.05e-06
3924	112	8.14	-2.44	-0.16	-3.87e-04	0.0	-5.46e-04
3924	124	-0.39	6.81	-0.18	-7.48e-04	0.0	3.35e-05
3924	129	4.68	-9.90	-0.12	8.80e-04	0.0	-3.37e-04
3924	144	9.15	-2.73	-0.17	-4.43e-04	0.0	-6.15e-04
3924	156	-0.47	7.69	-0.18	-8.50e-04	0.0	3.86e-05
3924	161	5.25	-11.13	-0.11	9.82e-04	0.0	-3.80e-04
3924	176	9.10	-2.71	-0.17	-4.26e-04	0.0	-6.09e-04
3924	188	-0.46	7.65	-0.18	-8.37e-04	0.0	3.94e-05
3924	193	5.27	-11.09	-0.11	9.71e-04	0.0	-3.81e-04
3924	208	10.63	-3.15	-0.17	-5.02e-04	0.0	-7.12e-04
3924	220	-0.57	8.97	-0.19	-9.86e-04	0.0	4.93e-05
3924	225	6.19	-12.96	-0.11	1.12e-03	0.0	-4.53e-04
3925	4	0.43	0.40	-0.25	6.15e-05	0.0	-5.34e-06
3925	44	0.37	-1.75	-0.21	1.88e-04	0.0	-1.76e-06
3925	68	0.30	0.25	-0.18	4.61e-05	0.0	-4.04e-06
3925	88	0.26	-1.18	-0.15	1.30e-04	0.0	-1.65e-06
3925	98	0.25	-0.26	-0.15	6.86e-05	0.0	-3.59e-06
3925	105	0.24	-0.43	-0.15	7.75e-05	0.0	-3.15e-06
3925	107	0.24	-0.25	-0.15	6.60e-05	0.0	-3.63e-06
3925	109	8.42	-7.34	-0.16	9.69e-06	0.0	-5.48e-04
3925	124	-0.39	7.10	-0.18	-6.66e-04	0.0	3.33e-05
3925	129	4.86	-10.35	-0.12	8.00e-04	0.0	-3.41e-04
3925	141	9.45	-8.24	-0.16	2.65e-06	0.0	-6.17e-04
3925	156	-0.47	8.03	-0.19	-7.57e-04	0.0	3.83e-05
3925	161	5.45	-11.62	-0.12	8.92e-04	0.0	-3.84e-04
3925	176	9.40	-2.80	-0.17	-3.72e-04	0.0	-6.20e-04
3925	188	-0.46	7.98	-0.19	-7.46e-04	0.0	3.85e-05
3925	193	5.46	-11.58	-0.12	8.82e-04	0.0	-3.85e-04
3925	208	10.98	-3.26	-0.18	-4.40e-04	0.0	-7.25e-04
3925	220	-0.57	9.36	-0.19	-8.79e-04	0.0	4.80e-05
3925	225	6.41	-13.53	-0.11	1.02e-03	0.0	-4.57e-04
3926	4	0.48	0.37	-0.25	6.37e-05	0.0	-4.44e-06
3926	44	0.41	-1.85	-0.21	1.89e-04	0.0	-1.72e-06
3926	68	0.34	0.22	-0.18	4.77e-05	0.0	-3.49e-06
3926	88	0.29	-1.25	-0.15	1.31e-04	0.0	-1.67e-06
3926	98	0.28	-0.29	-0.15	6.98e-05	0.0	-3.39e-06
3926	105	0.26	-0.47	-0.15	7.86e-05	0.0	-3.05e-06
3926	107	0.26	-0.28	-0.15	6.72e-05	0.0	-3.49e-06
3926	109	8.69	-7.59	-0.16	2.70e-05	0.0	-5.57e-04
3926	124	-0.39	7.35	-0.19	-5.53e-04	0.0	3.40e-05
3926	129	5.02	-10.74	-0.12	6.90e-04	0.0	-3.46e-04
3926	144	9.75	-2.90	-0.18	-3.13e-04	0.0	-6.39e-04
3926	156	-0.47	8.31	-0.19	-6.30e-04	0.0	3.91e-05
3926	161	5.63	-12.06	-0.12	7.68e-04	0.0	-3.90e-04
3926	176	9.70	-2.88	-0.18	-2.99e-04	0.0	-6.32e-04
3926	188	-0.46	8.27	-0.19	-6.20e-04	0.0	3.90e-05
3926	193	5.64	-12.01	-0.12	7.59e-04	0.0	-3.91e-04
3926	208	11.32	-3.34	-0.18	-3.56e-04	0.0	-7.39e-04
3926	220	-0.57	9.70	-0.20	-7.33e-04	0.0	4.84e-05
3926	225	6.62	-14.03	-0.11	8.75e-04	0.0	-4.64e-04
3927	4	0.52	0.33	-0.26	6.61e-05	0.0	-4.18e-06
3927	44	0.45	-1.95	-0.21	1.91e-04	0.0	-1.79e-06
3927	68	0.36	0.20	-0.18	4.93e-05	0.0	-3.36e-06
3927	88	0.32	-1.32	-0.15	1.33e-04	0.0	-1.76e-06
3927	98	0.30	-0.33	-0.16	7.11e-05	0.0	-3.45e-06
3927	105	0.28	-0.51	-0.15	7.98e-05	0.0	-3.15e-06

3927	107	0.29	-0.32	-0.15	6.84e-05	0.0	-3.56e-06
3927	112	8.94	-2.67	-0.18	-2.00e-04	0.0	-5.78e-04
3927	124	-0.39	7.55	-0.19	-4.30e-04	0.0	3.53e-05
3927	129	5.17	-11.07	-0.12	5.70e-04	0.0	-3.54e-04
3927	144	10.03	-2.97	-0.18	-2.34e-04	0.0	-6.51e-04
3927	156	-0.47	8.54	-0.19	-4.93e-04	0.0	4.05e-05
3927	161	5.80	-12.42	-0.12	6.33e-04	0.0	-3.99e-04
3927	176	9.97	-2.95	-0.18	-2.22e-04	0.0	-6.44e-04
3927	188	-0.46	8.49	-0.19	-4.84e-04	0.0	4.06e-05
3927	193	5.80	-12.37	-0.12	6.26e-04	0.0	-3.99e-04
3927	208	11.64	-3.41	-0.18	-2.65e-04	0.0	-7.53e-04
3927	220	-0.58	9.97	-0.20	-5.75e-04	0.0	5.03e-05
3927	225	6.81	-14.44	-0.11	7.20e-04	0.0	-4.74e-04
3928	4	0.38	0.43	-0.30	5.77e-05	0.0	-6.81e-06
3928	44	0.32	-1.65	-0.24	1.86e-04	0.0	-2.03e-06
3928	68	0.27	0.27	-0.21	4.36e-05	0.0	-4.98e-06
3928	88	0.23	-1.12	-0.17	1.29e-04	0.0	-1.79e-06
3928	98	0.22	-0.22	-0.18	6.70e-05	0.0	-3.99e-06
3928	105	0.21	-0.39	-0.17	7.62e-05	0.0	-3.43e-06
3928	107	0.21	-0.21	-0.17	6.47e-05	0.0	-3.96e-06
3928	112	8.14	-2.72	-0.22	1.96e-04	0.0	-5.41e-04
3928	124	-0.39	6.76	-0.24	-5.58e-04	0.0	3.18e-05
3928	129	4.69	-10.02	-0.12	8.64e-04	0.0	-3.31e-04
3928	144	9.15	-3.04	-0.22	2.13e-04	0.0	-6.09e-04
3928	156	-0.47	7.64	-0.24	-6.36e-04	0.0	3.66e-05
3928	161	5.26	-11.26	-0.12	9.64e-04	0.0	-3.74e-04
3928	176	9.10	-3.02	-0.22	2.05e-04	0.0	-6.02e-04
3928	188	-0.46	7.60	-0.24	-6.31e-04	0.0	3.71e-05
3928	193	5.27	-11.22	-0.12	9.53e-04	0.0	-3.75e-04
3928	208	10.63	-3.51	-0.23	2.27e-04	0.0	-7.04e-04
3928	220	-0.57	8.92	-0.25	-7.48e-04	0.0	4.64e-05
3928	225	6.20	-13.13	-0.11	1.10e-03	0.0	-4.46e-04
3929	4	0.43	0.40	-0.31	6.02e-05	0.0	-5.58e-06
3929	44	0.37	-1.75	-0.25	1.88e-04	0.0	-2.48e-06
3929	68	0.30	0.25	-0.22	4.53e-05	0.0	-4.23e-06
3929	88	0.26	-1.19	-0.18	1.30e-04	0.0	-2.16e-06
3929	98	0.25	-0.26	-0.18	6.82e-05	0.0	-3.86e-06
3929	105	0.24	-0.43	-0.17	7.73e-05	0.0	-3.45e-06
3929	107	0.24	-0.25	-0.18	6.58e-05	0.0	-3.90e-06
3929	109	8.42	-7.62	-0.20	0.0	0.0	-5.36e-04
3929	124	-0.39	7.05	-0.24	-6.57e-04	0.0	3.13e-05
3929	129	4.86	-10.46	-0.13	7.91e-04	0.0	-3.33e-04
3929	141	9.45	-8.55	-0.20	-8.94e-06	0.0	-6.03e-04
3929	156	-0.47	7.96	-0.25	-7.48e-04	0.0	3.61e-05
3929	161	5.45	-11.75	-0.12	8.82e-04	0.0	-3.75e-04
3929	176	9.40	-3.12	-0.23	-3.76e-04	0.0	-6.09e-04
3929	188	-0.46	7.92	-0.25	-7.37e-04	0.0	3.56e-05
3929	193	5.46	-11.71	-0.12	8.73e-04	0.0	-3.76e-04
3929	208	10.98	-3.62	-0.23	-4.44e-04	0.0	-7.12e-04
3929	220	-0.57	9.30	-0.26	-8.69e-04	0.0	4.42e-05
3929	225	6.41	-13.69	-0.11	1.01e-03	0.0	-4.46e-04
3930	4	0.48	0.36	-0.31	6.31e-05	0.0	-5.02e-06
3930	44	0.41	-1.85	-0.25	1.89e-04	0.0	-3.10e-06
3930	68	0.34	0.22	-0.22	4.73e-05	0.0	-3.92e-06
3930	88	0.29	-1.25	-0.18	1.31e-04	0.0	-2.64e-06
3930	98	0.28	-0.29	-0.19	6.97e-05	0.0	-3.96e-06
3930	105	0.26	-0.47	-0.18	7.86e-05	0.0	-3.67e-06
3930	107	0.26	-0.28	-0.18	6.72e-05	0.0	-4.05e-06
3930	109	8.68	-7.87	-0.20	1.71e-05	0.0	-5.43e-04
3930	124	-0.39	7.29	-0.25	-5.55e-04	0.0	3.22e-05
3930	129	5.02	-10.85	-0.13	6.92e-04	0.0	-3.38e-04
3930	144	9.75	-3.23	-0.24	-3.23e-04	0.0	-6.25e-04
3930	156	-0.47	8.24	-0.26	-6.33e-04	0.0	3.70e-05
3930	161	5.63	-12.18	-0.12	7.71e-04	0.0	-3.81e-04
3930	176	9.70	-3.20	-0.23	-3.08e-04	0.0	-6.19e-04
3930	188	-0.46	8.20	-0.26	-6.23e-04	0.0	3.62e-05
3930	193	5.64	-12.14	-0.12	7.62e-04	0.0	-3.81e-04
3930	208	11.32	-3.72	-0.24	-3.66e-04	0.0	-7.23e-04
3930	220	-0.57	9.63	-0.27	-7.37e-04	0.0	4.46e-05
3930	225	6.62	-14.18	-0.12	8.79e-04	0.0	-4.52e-04
3931	4	0.52	0.33	-0.32	6.60e-05	0.0	-4.75e-06
3931	44	0.44	-1.95	-0.25	1.91e-04	0.0	-3.35e-06
3931	68	0.36	0.20	-0.23	4.93e-05	0.0	-3.78e-06
3931	88	0.31	-1.32	-0.18	1.33e-04	0.0	-2.85e-06
3931	98	0.30	-0.33	-0.19	7.12e-05	0.0	-4.02e-06

3931	105	0.28	-0.51	-0.18	7.99e-05	0.0	-3.79e-06
3931	107	0.28	-0.32	-0.18	6.85e-05	0.0	-4.13e-06
3931	112	8.93	-2.96	-0.23	-2.14e-04	0.0	-5.67e-04
3931	124	-0.39	7.49	-0.25	-4.45e-04	0.0	3.29e-05
3931	129	5.17	-11.18	-0.13	5.86e-04	0.0	-3.45e-04
3931	144	10.03	-3.30	-0.24	-2.49e-04	0.0	-6.38e-04
3931	156	-0.47	8.47	-0.26	-5.10e-04	0.0	3.78e-05
3931	161	5.79	-12.55	-0.13	6.51e-04	0.0	-3.89e-04
3931	176	9.97	-3.27	-0.24	-2.37e-04	0.0	-6.31e-04
3931	188	-0.46	8.43	-0.26	-5.01e-04	0.0	3.71e-05
3931	193	5.80	-12.50	-0.13	6.44e-04	0.0	-3.89e-04
3931	208	11.63	-3.79	-0.24	-2.83e-04	0.0	-7.38e-04
3931	220	-0.58	9.90	-0.27	-5.94e-04	0.0	4.59e-05
3931	225	6.81	-14.60	-0.12	7.40e-04	0.0	-4.62e-04
3932	4	0.39	0.42	-0.39	5.62e-05	0.0	-7.71e-06
3932	44	0.33	-1.65	-0.30	1.87e-04	0.0	-2.49e-06
3932	68	0.27	0.27	-0.27	4.27e-05	0.0	-5.60e-06
3932	88	0.23	-1.12	-0.22	1.30e-04	0.0	-2.12e-06
3932	98	0.22	-0.23	-0.22	6.69e-05	0.0	-4.37e-06
3932	105	0.21	-0.39	-0.21	7.63e-05	0.0	-3.77e-06
3932	107	0.21	-0.22	-0.21	6.46e-05	0.0	-4.32e-06
3932	109	8.15	-7.61	-0.26	5.60e-04	0.0	-5.24e-04
3932	124	-0.39	6.71	-0.33	-5.30e-04	0.0	3.01e-05
3932	129	4.69	-10.13	-0.13	8.36e-04	0.0	-3.26e-04
3932	141	9.15	-8.54	-0.26	6.22e-04	0.0	-5.90e-04
3932	156	-0.47	7.58	-0.35	-6.05e-04	0.0	3.48e-05
3932	161	5.26	-11.39	-0.12	9.32e-04	0.0	-3.68e-04
3932	173	9.10	-8.44	-0.26	6.08e-04	0.0	-5.82e-04
3932	188	-0.46	7.55	-0.35	-6.01e-04	0.0	3.47e-05
3932	193	5.28	-11.36	-0.12	9.23e-04	0.0	-3.68e-04
3932	208	10.63	-3.87	-0.32	2.34e-04	0.0	-6.95e-04
3932	220	-0.57	8.86	-0.37	-7.12e-04	0.0	4.34e-05
3932	225	6.20	-13.29	-0.11	1.07e-03	0.0	-4.37e-04
3933	4	0.43	0.39	-0.40	5.94e-05	0.0	-7.16e-06
3933	44	0.37	-1.75	-0.31	1.89e-04	0.0	-4.07e-06
3933	68	0.30	0.24	-0.28	4.49e-05	0.0	-5.33e-06
3933	88	0.26	-1.19	-0.23	1.31e-04	0.0	-3.27e-06
3933	98	0.25	-0.26	-0.23	6.84e-05	0.0	-4.83e-06
3933	105	0.24	-0.43	-0.22	7.76e-05	0.0	-4.38e-06
3933	107	0.24	-0.25	-0.22	6.60e-05	0.0	-4.82e-06
3933	109	8.42	-7.89	-0.27	-8.32e-06	0.0	-5.21e-04
3933	124	-0.39	6.98	-0.35	-6.41e-04	0.0	3.10e-05
3933	129	4.86	-10.56	-0.14	7.75e-04	0.0	-3.26e-04
3933	141	9.45	-8.85	-0.27	-1.76e-05	0.0	-5.86e-04
3933	156	-0.47	7.89	-0.36	-7.29e-04	0.0	3.57e-05
3933	161	5.45	-11.86	-0.13	8.64e-04	0.0	-3.68e-04
3933	176	9.40	-3.43	-0.32	-3.74e-04	0.0	-5.95e-04
3933	188	-0.46	7.85	-0.36	-7.18e-04	0.0	3.44e-05
3933	193	5.46	-11.82	-0.13	8.55e-04	0.0	-3.67e-04
3933	208	10.98	-3.98	-0.33	-4.42e-04	0.0	-6.96e-04
3933	220	-0.57	9.22	-0.38	-8.48e-04	0.0	4.23e-05
3933	225	6.41	-13.83	-0.11	9.88e-04	0.0	-4.35e-04
3934	4	0.48	0.36	-0.41	6.27e-05	0.0	-7.03e-06
3934	44	0.41	-1.85	-0.32	1.90e-04	0.0	-5.62e-06
3934	68	0.34	0.22	-0.29	4.71e-05	0.0	-5.34e-06
3934	88	0.29	-1.26	-0.23	1.32e-04	0.0	-4.40e-06
3934	98	0.28	-0.30	-0.24	6.98e-05	0.0	-5.36e-06
3934	105	0.26	-0.47	-0.22	7.88e-05	0.0	-5.05e-06
3934	107	0.26	-0.29	-0.23	6.73e-05	0.0	-5.38e-06
3934	112	8.68	-3.17	-0.32	-2.87e-04	0.0	-5.41e-04
3934	124	-0.39	7.22	-0.35	-5.56e-04	0.0	3.28e-05
3934	129	5.02	-10.94	-0.14	6.94e-04	0.0	-3.32e-04
3934	144	9.75	-3.54	-0.33	-3.31e-04	0.0	-6.09e-04
3934	156	-0.47	8.16	-0.37	-6.34e-04	0.0	3.77e-05
3934	161	5.63	-12.29	-0.13	7.72e-04	0.0	-3.74e-04
3934	176	9.69	-3.52	-0.33	-3.16e-04	0.0	-6.03e-04
3934	188	-0.46	8.12	-0.37	-6.24e-04	0.0	3.58e-05
3934	193	5.64	-12.25	-0.13	7.64e-04	0.0	-3.73e-04
3934	208	11.32	-4.08	-0.34	-3.74e-04	0.0	-7.05e-04
3934	220	-0.57	9.54	-0.39	-7.38e-04	0.0	4.37e-05
3934	225	6.62	-14.32	-0.11	8.81e-04	0.0	-4.41e-04
3935	4	0.52	0.33	-0.41	6.56e-05	0.0	-6.58e-06
3935	44	0.44	-1.95	-0.32	1.91e-04	0.0	-6.16e-06
3935	68	0.36	0.19	-0.29	4.90e-05	0.0	-5.10e-06
3935	88	0.31	-1.33	-0.23	1.32e-04	0.0	-4.82e-06

3935	98	0.30	-0.33	-0.24	7.10e-05	0.0	-5.41e-06
3935	105	0.28	-0.51	-0.23	7.98e-05	0.0	-5.20e-06
3935	107	0.28	-0.32	-0.23	6.84e-05	0.0	-5.47e-06
3935	112	8.93	-3.25	-0.32	-2.31e-04	0.0	-5.55e-04
3935	124	-0.39	7.42	-0.36	-4.65e-04	0.0	3.23e-05
3935	129	5.17	-11.28	-0.14	6.05e-04	0.0	-3.39e-04
3935	144	10.03	-3.62	-0.34	-2.69e-04	0.0	-6.24e-04
3935	156	-0.47	8.39	-0.38	-5.32e-04	0.0	3.72e-05
3935	161	5.79	-12.66	-0.13	6.72e-04	0.0	-3.82e-04
3935	176	9.97	-3.59	-0.33	-2.55e-04	0.0	-6.17e-04
3935	188	-0.46	8.36	-0.37	-5.23e-04	0.0	3.57e-05
3935	193	5.80	-12.62	-0.13	6.65e-04	0.0	-3.81e-04
3935	208	11.63	-4.16	-0.35	-3.03e-04	0.0	-7.21e-04
3935	220	-0.58	9.82	-0.40	-6.19e-04	0.0	4.38e-05
3935	225	6.80	-14.75	-0.11	7.65e-04	0.0	-4.51e-04
3936	4	0.40	0.42	-0.53	5.59e-05	0.0	-1.20e-05
3936	44	0.34	-1.66	-0.40	1.89e-04	0.0	-4.76e-06
3936	68	0.28	0.26	-0.37	4.26e-05	0.0	-8.52e-06
3936	88	0.24	-1.12	-0.29	1.31e-04	0.0	-3.70e-06
3936	98	0.23	-0.23	-0.30	6.76e-05	0.0	-6.34e-06
3936	105	0.22	-0.39	-0.28	7.71e-05	0.0	-5.50e-06
3936	107	0.22	-0.22	-0.28	6.53e-05	0.0	-6.16e-06
3936	109	8.15	-7.87	-0.37	5.40e-04	0.0	-5.13e-04
3936	124	-0.39	6.65	-0.50	-4.93e-04	0.0	2.81e-05
3936	129	4.70	-10.24	-0.14	7.95e-04	0.0	-3.21e-04
3936	141	9.15	-8.84	-0.38	6.00e-04	0.0	-5.77e-04
3936	156	-0.47	7.52	-0.53	-5.63e-04	0.0	3.27e-05
3936	161	5.27	-11.50	-0.12	8.86e-04	0.0	-3.62e-04
3936	173	9.10	-8.74	-0.37	5.86e-04	0.0	-5.69e-04
3936	188	-0.46	7.49	-0.52	-5.59e-04	0.0	3.19e-05
3936	193	5.29	-11.48	-0.12	8.77e-04	0.0	-3.62e-04
3936	205	10.63	-10.17	-0.38	6.69e-04	0.0	-6.64e-04
3936	220	-0.57	8.79	-0.56	-6.64e-04	0.0	4.00e-05
3936	225	6.21	-13.44	-0.09	1.01e-03	0.0	-4.29e-04
3937	4	0.43	0.39	-0.55	5.96e-05	0.0	-1.11e-05
3937	44	0.37	-1.76	-0.42	1.91e-04	0.0	-7.18e-06
3937	68	0.30	0.24	-0.38	4.51e-05	0.0	-8.01e-06
3937	88	0.26	-1.19	-0.30	1.33e-04	0.0	-5.43e-06
3937	98	0.25	-0.26	-0.31	6.93e-05	0.0	-6.99e-06
3937	105	0.24	-0.43	-0.29	7.86e-05	0.0	-6.38e-06
3937	107	0.24	-0.25	-0.29	6.69e-05	0.0	-6.84e-06
3937	109	8.42	-8.14	-0.38	-1.28e-05	0.0	-4.02e-04
3937	124	-0.39	6.90	-0.52	-6.16e-04	0.0	-3.14e-04
3937	129	4.86	-10.64	-0.14	7.52e-04	0.0	2.34e-05
3937	141	9.45	-9.14	-0.39	-2.27e-05	0.0	-4.52e-04
3937	156	-0.47	7.80	-0.54	-7.01e-04	0.0	-3.53e-04
3937	161	5.45	-11.95	-0.12	8.38e-04	0.0	2.68e-05
3937	176	9.40	-3.73	-0.47	-3.64e-04	0.0	-5.81e-04
3937	188	-0.46	7.77	-0.54	-6.91e-04	0.0	-3.46e-04
3937	193	5.46	-11.93	-0.12	8.30e-04	0.0	1.95e-05
3937	208	10.98	-4.34	-0.49	-4.31e-04	0.0	-6.78e-04
3937	220	-0.57	9.13	-0.58	-8.16e-04	0.0	-4.04e-04
3937	225	6.41	-13.95	-0.10	9.58e-04	0.0	1.91e-05
3938	4	0.48	0.36	-0.56	6.24e-05	0.0	-1.10e-05
3938	44	0.41	-1.86	-0.43	1.91e-04	0.0	-9.48e-06
3938	68	0.34	0.22	-0.39	4.70e-05	0.0	-8.11e-06
3938	88	0.29	-1.26	-0.31	1.33e-04	0.0	-7.08e-06
3938	98	0.28	-0.30	-0.31	7.02e-05	0.0	-7.82e-06
3938	105	0.26	-0.48	-0.29	7.93e-05	0.0	-7.39e-06
3938	107	0.26	-0.29	-0.30	6.77e-05	0.0	-7.68e-06
3938	109	8.68	-8.39	-0.38	0.0	0.0	-4.06e-04
3938	124	-0.39	7.13	-0.53	-5.57e-04	0.0	-3.20e-04
3938	129	5.02	-11.02	-0.14	6.96e-04	0.0	2.53e-05
3938	144	9.75	-3.85	-0.49	-3.39e-04	0.0	-5.95e-04
3938	156	-0.47	8.07	-0.56	-6.36e-04	0.0	-3.60e-04
3938	161	5.63	-12.38	-0.12	7.75e-04	0.0	2.89e-05
3938	176	9.69	-3.82	-0.48	-3.23e-04	0.0	-5.88e-04
3938	188	-0.46	8.03	-0.55	-6.26e-04	0.0	-3.52e-04
3938	193	5.64	-12.34	-0.12	7.67e-04	0.0	2.10e-05
3938	208	11.32	-4.44	-0.50	-3.83e-04	0.0	-6.87e-04
3938	220	-0.57	9.44	-0.59	-7.40e-04	0.0	-4.11e-04
3938	225	6.61	-14.44	-0.10	8.84e-04	0.0	2.05e-05
3939	4	0.51	0.32	-0.56	6.45e-05	0.0	-1.02e-05
3939	44	0.44	-1.96	-0.43	1.90e-04	0.0	-1.02e-05
3939	68	0.36	0.19	-0.40	4.83e-05	0.0	-7.65e-06

3939	88	0.31	-1.33	-0.31	1.32e-04	0.0	-7.64e-06
3939	98	0.30	-0.34	-0.32	7.05e-05	0.0	-7.80e-06
3939	105	0.28	-0.52	-0.30	7.93e-05	0.0	-7.53e-06
3939	107	0.28	-0.32	-0.30	6.79e-05	0.0	-7.73e-06
3939	112	8.93	-3.53	-0.47	-2.53e-04	0.0	-5.43e-04
3939	124	-0.39	7.34	-0.54	-4.91e-04	0.0	-3.27e-04
3939	129	5.17	-11.36	-0.14	6.30e-04	0.0	2.34e-05
3939	144	10.02	-3.94	-0.49	-2.93e-04	0.0	-6.11e-04
3939	156	-0.47	8.30	-0.57	-5.61e-04	0.0	-3.67e-04
3939	161	5.79	-12.76	-0.12	7.01e-04	0.0	2.68e-05
3939	176	9.96	-3.91	-0.48	-2.78e-04	0.0	-6.04e-04
3939	188	-0.46	8.27	-0.56	-5.51e-04	0.0	-3.60e-04
3939	193	5.80	-12.72	-0.12	6.93e-04	0.0	1.92e-05
3939	208	11.63	-4.53	-0.51	-3.30e-04	0.0	-7.05e-04
3939	220	-0.58	9.72	-0.60	-6.53e-04	0.0	-4.20e-04
3939	225	6.80	-14.88	-0.09	7.98e-04	0.0	1.85e-05
3940	4	0.41	0.41	-0.74	5.83e-05	0.0	-2.71e-05
3940	44	0.35	-1.66	-0.56	1.93e-04	0.0	-1.34e-05
3940	68	0.29	0.26	-0.52	4.44e-05	0.0	-1.89e-05
3940	88	0.24	-1.12	-0.40	1.34e-04	0.0	-9.72e-06
3940	98	0.24	-0.23	-0.41	6.97e-05	0.0	-1.36e-05
3940	105	0.22	-0.40	-0.38	7.92e-05	0.0	-1.19e-05
3940	107	0.23	-0.22	-0.39	6.74e-05	0.0	-1.29e-05
3940	109	8.16	-8.13	-0.53	-2.07e-05	0.0	-5.00e-04
3940	124	-0.39	6.59	-0.78	-6.11e-04	0.0	2.32e-05
3940	129	4.71	-10.33	-0.12	7.48e-04	0.0	-3.19e-04
3940	141	9.16	-9.13	-0.54	-3.17e-05	0.0	-5.61e-04
3940	156	-0.47	7.44	-0.83	-6.96e-04	0.0	2.78e-05
3940	161	5.29	-11.61	-0.09	8.33e-04	0.0	-3.59e-04
3940	173	9.11	-9.02	-0.53	-2.15e-05	0.0	-5.52e-04
3940	188	-0.46	7.42	-0.82	-6.85e-04	0.0	2.59e-05
3940	193	5.30	-11.59	-0.09	8.25e-04	0.0	-3.56e-04
3940	205	10.64	-10.50	-0.55	-3.24e-05	0.0	-6.41e-04
3940	220	-0.57	8.72	-0.88	-8.09e-04	0.0	3.34e-05
3940	225	6.22	-13.57	-0.04	9.53e-04	0.0	-4.20e-04
3941	4	0.44	0.38	-0.75	6.05e-05	0.0	-1.77e-05
3941	44	0.37	-1.76	-0.57	1.94e-04	0.0	-1.25e-05
3941	68	0.31	0.23	-0.53	4.59e-05	0.0	-1.26e-05
3941	88	0.26	-1.19	-0.41	1.35e-04	0.0	-9.14e-06
3941	98	0.25	-0.27	-0.42	7.08e-05	0.0	-1.07e-05
3941	105	0.24	-0.44	-0.39	8.03e-05	0.0	-9.81e-06
3941	107	0.24	-0.26	-0.40	6.84e-05	0.0	-1.03e-05
3941	109	8.42	-8.39	-0.54	-1.57e-05	0.0	-3.99e-04
3941	124	-0.39	6.82	-0.80	-5.90e-04	0.0	-3.13e-04
3941	129	4.86	-10.72	-0.13	7.30e-04	0.0	1.88e-05
3941	141	9.46	-9.41	-0.56	-2.62e-05	0.0	-4.48e-04
3941	156	-0.47	7.71	-0.84	-6.73e-04	0.0	3.51e-04
3941	161	5.45	-12.04	-0.09	8.13e-04	0.0	2.20e-05
3941	176	9.40	-4.02	-0.70	-3.53e-04	0.0	-5.74e-04
3941	188	-0.46	7.68	-0.84	-6.62e-04	0.0	-3.44e-04
3941	193	5.46	-12.02	-0.09	8.05e-04	0.0	1.46e-05
3941	208	10.98	-4.68	-0.75	-4.18e-04	0.0	-6.69e-04
3941	220	-0.57	9.03	-0.90	-7.83e-04	0.0	-4.00e-04
3941	225	6.41	-14.06	-0.04	9.29e-04	0.0	1.39e-05
3942	4	0.48	0.35	-0.76	6.16e-05	0.0	-1.72e-05
3942	44	0.41	-1.86	-0.58	1.93e-04	0.0	-1.46e-05
3942	68	0.34	0.21	-0.53	4.65e-05	0.0	-1.23e-05
3942	88	0.29	-1.26	-0.41	1.34e-04	0.0	-1.06e-05
3942	98	0.28	-0.31	-0.42	7.05e-05	0.0	-1.13e-05
3942	105	0.26	-0.48	-0.39	7.98e-05	0.0	-1.06e-05
3942	107	0.26	-0.29	-0.40	6.80e-05	0.0	-1.09e-05
3942	109	8.68	-8.64	-0.55	-1.04e-05	0.0	-4.00e-04
3942	124	-0.39	7.04	-0.81	-5.61e-04	0.0	-3.18e-04
3942	129	5.02	-11.09	-0.12	7.01e-04	0.0	2.08e-05
3942	144	9.75	-4.15	-0.73	-3.49e-04	0.0	-5.88e-04
3942	156	-0.47	7.97	-0.86	-6.40e-04	0.0	-3.57e-04
3942	161	5.63	-12.46	-0.09	7.80e-04	0.0	2.43e-05
3942	176	9.69	-4.12	-0.72	-3.34e-04	0.0	-5.80e-04
3942	188	-0.46	7.94	-0.85	-6.30e-04	0.0	-3.49e-04
3942	193	5.64	-12.43	-0.09	7.72e-04	0.0	1.62e-05
3942	208	11.32	-4.79	-0.76	-3.95e-04	0.0	-6.75e-04
3942	220	-0.57	9.33	-0.92	-7.45e-04	0.0	-4.05e-04
3942	225	6.61	-14.54	-0.04	8.91e-04	0.0	1.54e-05
3943	4	0.51	0.32	-0.77	6.23e-05	0.0	-1.64e-05
3943	44	0.44	-1.96	-0.58	1.90e-04	0.0	-1.52e-05

3943	68	0.36	0.19	-0.54	4.69e-05	0.0	-1.20e-05
3943	88	0.31	-1.33	-0.42	1.32e-04	0.0	-1.11e-05
3943	98	0.30	-0.34	-0.43	6.95e-05	0.0	-1.14e-05
3943	105	0.28	-0.52	-0.40	7.86e-05	0.0	-1.08e-05
3943	107	0.28	-0.33	-0.41	6.70e-05	0.0	-1.10e-05
3943	112	8.93	-3.80	-0.71	-2.80e-04	0.0	-5.38e-04
3943	124	-0.39	7.25	-0.82	-5.24e-04	0.0	-3.25e-04
3943	129	5.17	-11.44	-0.12	6.62e-04	0.0	1.93e-05
3943	144	10.02	-4.25	-0.74	-3.24e-04	0.0	-6.05e-04
3943	156	-0.47	8.21	-0.87	-5.98e-04	0.0	-3.65e-04
3943	161	5.79	-12.85	-0.09	7.37e-04	0.0	2.26e-05
3943	176	9.96	-4.21	-0.73	-3.08e-04	0.0	-5.96e-04
3943	188	-0.46	8.18	-0.86	-5.88e-04	0.0	-3.57e-04
3943	193	5.80	-12.82	-0.09	7.29e-04	0.0	1.47e-05
3943	208	11.63	-4.88	-0.77	-3.64e-04	0.0	-6.94e-04
3943	220	-0.58	9.62	-0.94	-6.96e-04	0.0	-4.14e-04
3943	225	6.80	-14.99	-0.04	8.41e-04	0.0	1.38e-05
3944	4	0.43	0.39	-0.94	6.71e-05	1.60e-04	-7.83e-05
3944	44	0.36	-1.66	-0.70	1.98e-04	1.25e-04	-4.60e-05
3944	68	0.30	0.25	-0.66	5.05e-05	1.11e-04	-5.40e-05
3944	88	0.25	-1.13	-0.50	1.38e-04	8.81e-05	-3.24e-05
3944	98	0.25	-0.24	-0.52	7.41e-05	8.84e-05	-3.96e-05
3944	105	0.23	-0.40	-0.48	8.33e-05	8.24e-05	-3.53e-05
3944	107	0.24	-0.23	-0.49	7.16e-05	8.34e-05	-3.72e-05
3944	109	8.17	-8.37	-0.78	-1.40e-05	4.46e-04	-4.11e-04
3944	124	-0.39	6.51	-1.13	-5.62e-04	4.20e-04	-3.28e-04
3944	129	4.73	-10.41	-0.08	7.08e-04	-2.73e-05	-8.25e-06
3944	141	9.17	-9.39	-0.81	-2.46e-05	4.92e-04	-4.58e-04
3944	156	-0.46	7.36	-1.21	-6.42e-04	4.62e-04	-3.65e-04
3944	161	5.30	-11.70	-0.03	7.88e-04	-4.09e-05	-4.99e-06
3944	173	9.12	-9.29	-0.79	-1.28e-05	4.84e-04	-4.49e-04
3944	188	-0.45	7.34	-1.19	-6.31e-04	4.54e-04	-3.56e-04
3944	193	5.31	-11.69	-0.03	7.79e-04	-3.77e-05	-1.23e-05
3944	205	10.65	-10.81	-0.84	-2.18e-05	5.51e-04	-5.16e-04
3944	220	-0.57	8.63	-1.30	-7.47e-04	5.15e-04	-4.09e-04
3944	225	6.24	-13.69	0.05	8.98e-04	-5.44e-05	-1.29e-05
3945	4	0.44	0.37	-0.94	6.02e-05	9.06e-05	-2.72e-05
3945	44	0.37	-1.77	-0.70	1.97e-04	7.82e-05	-1.95e-05
3945	68	0.31	0.23	-0.66	4.58e-05	6.33e-05	-1.91e-05
3945	88	0.26	-1.20	-0.50	1.37e-04	5.50e-05	-1.40e-05
3945	98	0.25	-0.28	-0.51	7.18e-05	5.16e-05	-1.56e-05
3945	105	0.24	-0.45	-0.48	8.15e-05	4.90e-05	-1.44e-05
3945	107	0.24	-0.26	-0.49	6.94e-05	4.90e-05	-1.49e-05
3945	109	8.42	-8.64	-0.77	-2.18e-05	5.19e-04	-5.15e-04
3945	124	-0.39	6.74	-1.12	-5.83e-04	1.24e-05	2.31e-05
3945	129	4.86	-10.81	-0.08	7.25e-04	3.11e-04	-3.33e-04
3945	144	9.46	-4.35	-1.04	-3.72e-04	4.62e-04	-5.95e-04
3945	156	-0.46	7.63	-1.20	-6.64e-04	7.92e-06	2.80e-05
3945	161	5.45	-12.14	-0.03	8.07e-04	3.44e-04	-3.73e-04
3945	176	9.41	-4.31	-1.02	-3.56e-04	4.56e-04	-5.83e-04
3945	188	-0.45	7.61	-1.18	-6.54e-04	9.16e-06	2.68e-05
3945	193	5.46	-12.12	-0.03	8.00e-04	3.40e-04	-3.70e-04
3945	208	10.98	-5.02	-1.10	-4.21e-04	5.25e-04	-6.77e-04
3945	220	-0.57	8.94	-1.29	-7.73e-04	2.98e-06	3.54e-05
3945	225	6.41	-14.19	0.04	9.23e-04	3.91e-04	-4.36e-04
3946	4	0.48	0.34	-0.94	6.03e-05	7.38e-05	-2.62e-05
3946	44	0.41	-1.87	-0.70	1.93e-04	6.53e-05	-2.09e-05
3946	68	0.34	0.20	-0.66	4.58e-05	5.17e-05	-1.86e-05
3946	88	0.29	-1.27	-0.50	1.34e-04	4.60e-05	-1.50e-05
3946	98	0.28	-0.31	-0.51	7.04e-05	4.25e-05	-1.58e-05
3946	105	0.26	-0.49	-0.48	7.99e-05	4.05e-05	-1.48e-05
3946	107	0.26	-0.30	-0.49	6.80e-05	4.05e-05	-1.52e-05
3946	109	8.68	-8.89	-0.77	-1.87e-05	4.86e-04	-5.17e-04
3946	124	-0.39	6.96	-1.12	-5.62e-04	0.0	2.39e-05
3946	129	5.02	-11.17	-0.09	7.02e-04	2.94e-04	-3.35e-04
3946	141	9.75	-9.97	-0.80	-2.95e-05	5.42e-04	-5.80e-04
3946	156	-0.47	7.87	-1.19	-6.41e-04	-5.16e-06	2.89e-05
3946	161	5.63	-12.55	-0.03	7.81e-04	3.25e-04	-3.76e-04
3946	176	9.69	-4.41	-1.02	-3.40e-04	4.26e-04	-5.88e-04
3946	188	-0.46	7.85	-1.18	-6.31e-04	-3.84e-06	2.70e-05
3946	193	5.64	-12.53	-0.03	7.74e-04	3.22e-04	-3.72e-04
3946	208	11.32	-5.13	-1.09	-4.02e-04	4.91e-04	-6.82e-04
3946	220	-0.58	9.24	-1.29	-7.46e-04	-1.07e-05	3.53e-05
3946	225	6.62	-14.66	0.04	8.93e-04	3.71e-04	-4.38e-04
3947	4	0.51	0.31	-0.94	5.96e-05	5.27e-05	-2.70e-05

3947	44	0.44	-1.97	-0.71	1.88e-04	4.82e-05	-2.23e-05
3947	68	0.36	0.18	-0.66	4.51e-05	3.70e-05	-1.92e-05
3947	88	0.31	-1.34	-0.50	1.31e-04	3.40e-05	-1.61e-05
3947	98	0.30	-0.35	-0.52	6.83e-05	3.10e-05	-1.67e-05
3947	105	0.28	-0.53	-0.48	7.76e-05	2.97e-05	-1.57e-05
3947	107	0.28	-0.34	-0.49	6.60e-05	2.96e-05	-1.60e-05
3947	112	8.93	-4.08	-0.98	-3.03e-04	3.48e-04	-5.50e-04
3947	124	-0.39	7.17	-1.12	-5.50e-04	-5.67e-06	2.38e-05
3947	129	5.17	-11.53	-0.09	6.87e-04	2.60e-04	-3.46e-04
3947	144	10.02	-4.55	-1.04	-3.49e-04	3.88e-04	-6.18e-04
3947	156	-0.47	8.12	-1.19	-6.28e-04	-9.93e-06	2.90e-05
3947	161	5.79	-12.95	-0.04	7.64e-04	2.89e-04	-3.88e-04
3947	176	9.96	-4.51	-1.01	-3.33e-04	3.82e-04	-6.06e-04
3947	188	-0.46	8.10	-1.18	-6.18e-04	-8.77e-06	2.73e-05
3947	193	5.80	-12.92	-0.04	7.57e-04	2.85e-04	-3.84e-04
3947	208	11.63	-5.23	-1.09	-3.94e-04	4.42e-04	-7.03e-04
3947	220	-0.58	9.53	-1.29	-7.30e-04	-1.47e-05	3.61e-05
3947	225	6.80	-15.12	0.04	8.73e-04	3.30e-04	-4.52e-04
3948	4	0.56	0.31	-0.46	6.70e-05	0.0	-5.02e-06
3948	44	0.48	-2.04	-0.39	1.89e-04	0.0	-1.17e-06
3948	68	0.39	0.19	-0.33	4.95e-05	0.0	-3.96e-06
3948	88	0.34	-1.38	-0.28	1.31e-04	0.0	-1.39e-06
3948	98	0.32	-0.35	-0.27	6.98e-05	0.0	-3.87e-06
3948	105	0.30	-0.54	-0.26	7.82e-05	0.0	-3.45e-06
3948	107	0.30	-0.34	-0.26	6.70e-05	0.0	-3.94e-06
3948	112	9.16	-0.87	-0.12	-6.32e-05	0.0	-6.06e-04
3948	114	-6.70	5.12	-0.47	3.97e-05	0.0	4.63e-04
3948	129	5.31	-10.49	-0.16	3.59e-04	0.0	-3.80e-04
3948	144	10.28	-0.94	-0.10	-7.94e-05	0.0	-6.82e-04
3948	146	-7.59	5.80	-0.49	3.64e-05	0.0	5.21e-04
3948	161	5.94	-11.77	-0.15	3.95e-04	0.0	-4.29e-04
3948	176	10.22	-0.94	-0.10	-7.47e-05	0.0	-6.72e-04
3948	178	-7.54	5.69	-0.49	3.52e-05	0.0	5.11e-04
3948	193	5.95	-11.68	-0.15	3.91e-04	0.0	-4.30e-04
3948	208	11.92	-1.05	-0.08	-9.68e-05	0.0	-7.85e-04
3948	210	-8.89	6.67	-0.53	2.94e-05	0.0	5.96e-04
3948	225	6.98	-13.59	-0.13	4.46e-04	0.0	-5.10e-04
3949	4	0.55	0.31	-0.33	6.64e-05	0.0	-5.32e-06
3949	44	0.47	-2.04	-0.28	1.90e-04	0.0	-1.34e-06
3949	68	0.39	0.18	-0.23	4.92e-05	0.0	-4.16e-06
3949	88	0.33	-1.38	-0.20	1.31e-04	0.0	-1.51e-06
3949	98	0.32	-0.35	-0.20	6.99e-05	0.0	-4.01e-06
3949	105	0.30	-0.54	-0.19	7.84e-05	0.0	-3.57e-06
3949	107	0.30	-0.34	-0.19	6.71e-05	0.0	-4.07e-06
3949	112	9.15	-1.18	-0.07	-8.03e-05	0.0	-6.05e-04
3949	114	-6.71	5.40	-0.35	4.81e-05	0.0	4.62e-04
3949	129	5.30	-10.63	-0.11	3.86e-04	0.0	-3.80e-04
3949	144	10.28	-1.29	-0.06	-9.86e-05	0.0	-6.82e-04
3949	146	-7.59	6.12	-0.38	4.57e-05	0.0	5.20e-04
3949	161	5.94	-11.92	-0.10	4.26e-04	0.0	-4.28e-04
3949	176	10.21	-1.28	-0.06	-9.30e-05	0.0	-6.72e-04
3949	178	-7.55	6.00	-0.37	4.39e-05	0.0	5.10e-04
3949	193	5.95	-11.84	-0.10	4.22e-04	0.0	-4.29e-04
3949	208	11.92	-1.46	-0.04	-1.18e-04	0.0	-7.85e-04
3949	210	-8.90	7.03	-0.41	3.93e-05	0.0	5.95e-04
3949	225	6.97	-13.79	-0.09	4.81e-04	0.0	-5.09e-04
3950	4	0.56	0.28	-0.47	6.47e-05	0.0	-4.01e-06
3950	44	0.48	-2.13	-0.40	1.88e-04	0.0	-1.33e-06
3950	68	0.39	0.16	-0.34	4.80e-05	0.0	-3.34e-06
3950	88	0.34	-1.45	-0.28	1.30e-04	0.0	-1.56e-06
3950	98	0.32	-0.39	-0.28	6.86e-05	0.0	-3.76e-06
3950	105	0.30	-0.58	-0.26	7.71e-05	0.0	-3.46e-06
3950	107	0.31	-0.37	-0.27	6.59e-05	0.0	-3.88e-06
3950	112	9.33	-0.88	-0.13	-2.85e-05	0.0	-6.13e-04
3950	114	-6.83	5.13	-0.47	3.22e-05	0.0	4.71e-04
3950	129	5.40	-10.64	-0.17	2.85e-04	0.0	-3.91e-04
3950	144	10.47	-0.95	-0.12	-4.02e-05	0.0	-6.90e-04
3950	146	-7.74	5.82	-0.49	2.80e-05	0.0	5.30e-04
3950	161	6.05	-11.93	-0.16	3.12e-04	0.0	-4.41e-04
3950	176	10.41	-0.95	-0.12	-3.69e-05	0.0	-6.80e-04
3950	178	-7.69	5.71	-0.49	2.74e-05	0.0	5.20e-04
3950	193	6.06	-11.84	-0.16	3.10e-04	0.0	-4.42e-04
3950	208	12.14	-1.06	-0.09	-5.29e-05	0.0	-7.94e-04
3950	210	-9.06	6.69	-0.53	2.07e-05	0.0	6.06e-04
3950	225	7.10	-13.77	-0.14	3.50e-04	0.0	-5.24e-04

3951	4	0.56	0.28	-0.33	6.57e-05	0.0	-5.05e-06
3951	44	0.48	-2.14	-0.28	1.89e-04	0.0	-1.86e-06
3951	68	0.39	0.16	-0.23	4.87e-05	0.0	-4.04e-06
3951	88	0.34	-1.45	-0.20	1.31e-04	0.0	-1.92e-06
3951	98	0.32	-0.39	-0.20	6.95e-05	0.0	-4.24e-06
3951	105	0.31	-0.58	-0.19	7.81e-05	0.0	-3.88e-06
3951	107	0.31	-0.37	-0.19	6.68e-05	0.0	-4.32e-06
3951	112	9.33	-1.20	-0.07	-3.70e-05	0.0	-6.13e-04
3951	114	-6.83	5.42	-0.36	3.83e-05	0.0	4.69e-04
3951	129	5.40	-10.79	-0.11	2.99e-04	0.0	-3.90e-04
3951	144	10.47	-1.30	-0.06	-4.99e-05	0.0	-6.90e-04
3951	146	-7.73	6.15	-0.38	3.47e-05	0.0	5.29e-04
3951	161	6.05	-12.10	-0.10	3.29e-04	0.0	-4.39e-04
3951	176	10.40	-1.30	-0.06	-4.60e-05	0.0	-6.80e-04
3951	178	-7.68	6.02	-0.38	3.36e-05	0.0	5.18e-04
3951	193	6.06	-12.01	-0.10	3.26e-04	0.0	-4.40e-04
3951	208	12.14	-1.47	-0.04	-6.34e-05	0.0	-7.93e-04
3951	210	-9.06	7.06	-0.41	2.76e-05	0.0	6.04e-04
3951	225	7.10	-13.98	-0.09	3.69e-04	0.0	-5.23e-04
3952	4	0.59	0.25	-0.48	6.28e-05	0.0	-8.31e-06
3952	44	0.51	-2.23	-0.40	1.86e-04	0.0	-4.61e-06
3952	68	0.41	0.14	-0.34	4.67e-05	0.0	-6.36e-06
3952	88	0.36	-1.51	-0.29	1.29e-04	0.0	-3.89e-06
3952	98	0.34	-0.42	-0.28	6.75e-05	0.0	-6.25e-06
3952	105	0.32	-0.62	-0.27	7.61e-05	0.0	-5.79e-06
3952	107	0.32	-0.40	-0.27	6.48e-05	0.0	-6.24e-06
3952	112	9.49	-0.90	-0.14	-1.78e-05	0.0	-6.18e-04
3952	114	-6.93	5.14	-0.47	2.88e-05	0.0	4.71e-04
3952	129	5.51	-10.76	-0.18	2.60e-04	0.0	-3.97e-04
3952	144	10.65	-0.96	-0.12	-2.81e-05	0.0	-6.96e-04
3952	146	-7.85	5.83	-0.49	2.43e-05	0.0	5.31e-04
3952	161	6.17	-12.06	-0.16	2.85e-04	0.0	-4.47e-04
3952	176	10.58	-0.96	-0.12	-2.53e-05	0.0	-6.85e-04
3952	178	-7.79	5.71	-0.49	2.39e-05	0.0	5.20e-04
3952	193	6.17	-11.97	-0.16	2.82e-04	0.0	-4.48e-04
3952	208	12.34	-1.07	-0.10	-3.94e-05	0.0	-7.99e-04
3952	210	-9.19	6.71	-0.53	1.68e-05	0.0	6.06e-04
3952	225	7.23	-13.92	-0.14	3.19e-04	0.0	-5.32e-04
3953	4	0.59	0.25	-0.33	6.53e-05	0.0	-6.59e-06
3953	44	0.51	-2.23	-0.28	1.89e-04	0.0	-3.42e-06
3953	68	0.41	0.14	-0.23	4.84e-05	0.0	-5.16e-06
3953	88	0.36	-1.52	-0.20	1.31e-04	0.0	-3.05e-06
3953	98	0.34	-0.42	-0.20	6.94e-05	0.0	-5.33e-06
3953	105	0.32	-0.62	-0.19	7.79e-05	0.0	-4.94e-06
3953	107	0.32	-0.41	-0.19	6.66e-05	0.0	-5.37e-06
3953	112	9.49	-1.21	-0.07	-2.18e-05	0.0	-6.17e-04
3953	114	-6.93	5.42	-0.36	3.49e-05	0.0	4.71e-04
3953	129	5.51	-10.91	-0.11	2.69e-04	0.0	-3.95e-04
3953	144	10.65	-1.32	-0.06	-3.28e-05	0.0	-6.95e-04
3953	146	-7.85	6.15	-0.38	3.10e-05	0.0	5.31e-04
3953	161	6.17	-12.24	-0.10	2.94e-04	0.0	-4.45e-04
3953	176	10.58	-1.31	-0.06	-2.95e-05	0.0	-6.84e-04
3953	178	-7.79	6.03	-0.38	3.01e-05	0.0	5.20e-04
3953	193	6.17	-12.15	-0.10	2.91e-04	0.0	-4.46e-04
3953	208	12.34	-1.48	-0.04	-4.43e-05	0.0	-7.98e-04
3953	210	-9.19	7.08	-0.41	2.36e-05	0.0	6.06e-04
3953	225	7.23	-14.14	-0.09	3.29e-04	0.0	-5.29e-04
3954	4	0.55	0.31	-0.26	6.62e-05	0.0	-5.57e-06
3954	44	0.47	-2.04	-0.22	1.90e-04	0.0	-1.56e-06
3954	68	0.38	0.18	-0.19	4.91e-05	0.0	-4.33e-06
3954	88	0.33	-1.39	-0.16	1.32e-04	0.0	-1.66e-06
3954	98	0.32	-0.36	-0.16	7.01e-05	0.0	-4.15e-06
3954	105	0.30	-0.54	-0.15	7.87e-05	0.0	-3.70e-06
3954	107	0.30	-0.34	-0.16	6.74e-05	0.0	-4.20e-06
3954	112	9.15	-1.49	-0.09	-9.26e-05	0.0	-6.05e-04
3954	114	-6.71	5.68	-0.25	5.64e-05	0.0	4.61e-04
3954	129	5.30	-10.77	-0.11	4.04e-04	0.0	-3.79e-04
3954	144	10.27	-1.64	-0.08	-1.12e-04	0.0	-6.81e-04
3954	146	-7.59	6.43	-0.27	5.51e-05	0.0	5.20e-04
3954	161	5.94	-12.08	-0.10	4.46e-04	0.0	-4.27e-04
3954	176	10.21	-1.63	-0.08	-1.06e-04	0.0	-6.72e-04
3954	178	-7.55	6.30	-0.27	5.26e-05	0.0	5.10e-04
3954	193	5.94	-12.00	-0.10	4.41e-04	0.0	-4.28e-04
3954	208	11.91	-1.86	-0.06	-1.33e-04	0.0	-7.84e-04
3954	210	-8.90	7.39	-0.28	4.91e-05	0.0	5.94e-04

3954	225	6.97	-13.98	-0.09	5.04e-04	0.0	-5.08e-04
3955	4	0.56	0.28	-0.26	6.60e-05	0.0	-5.72e-06
3955	44	0.48	-2.14	-0.22	1.90e-04	0.0	-2.19e-06
3955	68	0.39	0.16	-0.19	4.90e-05	0.0	-4.50e-06
3955	88	0.34	-1.45	-0.16	1.32e-04	0.0	-2.15e-06
3955	98	0.32	-0.39	-0.16	7.00e-05	0.0	-4.54e-06
3955	105	0.31	-0.58	-0.16	7.86e-05	0.0	-4.14e-06
3955	107	0.31	-0.38	-0.16	6.73e-05	0.0	-4.60e-06
3955	112	9.33	-1.51	-0.09	-4.75e-05	0.0	-6.12e-04
3955	114	-6.83	5.70	-0.26	4.48e-05	0.0	4.67e-04
3955	129	5.40	-10.93	-0.11	3.16e-04	0.0	-3.88e-04
3955	144	10.47	-1.66	-0.08	-6.17e-05	0.0	-6.89e-04
3955	146	-7.73	6.47	-0.27	4.20e-05	0.0	5.27e-04
3955	161	6.05	-12.26	-0.11	3.47e-04	0.0	-4.37e-04
3955	176	10.40	-1.65	-0.08	-5.70e-05	0.0	-6.79e-04
3955	178	-7.68	6.33	-0.27	4.03e-05	0.0	5.16e-04
3955	193	6.05	-12.18	-0.10	3.44e-04	0.0	-4.38e-04
3955	208	12.14	-1.88	-0.06	-7.59e-05	0.0	-7.92e-04
3955	210	-9.06	7.43	-0.29	3.50e-05	0.0	6.02e-04
3955	225	7.10	-14.19	-0.09	3.90e-04	0.0	-5.20e-04
3956	4	0.59	0.24	-0.26	6.60e-05	0.0	-6.38e-06
3956	44	0.51	-2.23	-0.22	1.90e-04	0.0	-3.04e-06
3956	68	0.42	0.13	-0.19	4.90e-05	0.0	-5.01e-06
3956	88	0.36	-1.52	-0.16	1.32e-04	0.0	-2.78e-06
3956	98	0.34	-0.43	-0.16	7.00e-05	0.0	-5.14e-06
3956	105	0.32	-0.62	-0.16	7.86e-05	0.0	-4.74e-06
3956	107	0.32	-0.41	-0.16	6.72e-05	0.0	-5.19e-06
3956	112	9.49	-1.52	-0.09	-3.08e-05	0.0	-6.17e-04
3956	114	-6.93	5.71	-0.26	4.07e-05	0.0	4.71e-04
3956	129	5.51	-11.07	-0.11	2.83e-04	0.0	-3.94e-04
3956	144	10.65	-1.67	-0.08	-4.30e-05	0.0	-6.94e-04
3956	146	-7.85	6.48	-0.27	3.74e-05	0.0	5.31e-04
3956	161	6.17	-12.41	-0.11	3.10e-04	0.0	-4.44e-04
3956	176	10.58	-1.66	-0.08	-3.89e-05	0.0	-6.84e-04
3956	178	-7.79	6.35	-0.27	3.60e-05	0.0	5.20e-04
3956	193	6.17	-12.33	-0.10	3.07e-04	0.0	-4.45e-04
3956	208	12.34	-1.89	-0.06	-5.51e-05	0.0	-7.97e-04
3956	210	-9.19	7.45	-0.29	3.01e-05	0.0	6.06e-04
3956	225	7.23	-14.35	-0.09	3.47e-04	0.0	-5.28e-04
3957	4	0.54	0.31	-0.23	6.63e-05	0.0	-5.55e-06
3957	44	0.47	-2.04	-0.20	1.91e-04	0.0	-1.65e-06
3957	68	0.38	0.18	-0.16	4.93e-05	0.0	-4.32e-06
3957	88	0.33	-1.39	-0.14	1.32e-04	0.0	-1.72e-06
3957	98	0.31	-0.36	-0.14	7.05e-05	0.0	-4.15e-06
3957	105	0.30	-0.55	-0.14	7.91e-05	0.0	-3.72e-06
3957	107	0.30	-0.34	-0.14	6.78e-05	0.0	-4.21e-06
3957	112	9.15	-1.80	-0.10	-1.03e-04	0.0	-6.04e-04
3957	114	-6.71	5.96	-0.19	6.46e-05	0.0	4.61e-04
3957	129	5.30	-10.91	-0.11	4.17e-04	0.0	-3.79e-04
3957	144	10.27	-1.98	-0.10	-1.24e-04	0.0	-6.80e-04
3957	146	-7.59	6.75	-0.20	6.43e-05	0.0	5.20e-04
3957	161	5.93	-12.24	-0.11	4.60e-04	0.0	-4.27e-04
3957	176	10.21	-1.97	-0.10	-1.17e-04	0.0	-6.71e-04
3957	178	-7.55	6.61	-0.20	6.12e-05	0.0	5.10e-04
3957	193	5.94	-12.16	-0.11	4.56e-04	0.0	-4.28e-04
3957	208	11.91	-2.26	-0.09	-1.45e-04	0.0	-7.84e-04
3957	210	-8.90	7.75	-0.21	5.89e-05	0.0	5.94e-04
3957	225	6.97	-14.18	-0.10	5.21e-04	0.0	-5.08e-04
3958	4	0.56	0.27	-0.23	6.64e-05	0.0	-6.00e-06
3958	44	0.48	-2.14	-0.20	1.91e-04	0.0	-2.41e-06
3958	68	0.39	0.15	-0.16	4.94e-05	0.0	-4.70e-06
3958	88	0.34	-1.45	-0.14	1.32e-04	0.0	-2.30e-06
3958	98	0.32	-0.39	-0.14	7.06e-05	0.0	-4.69e-06
3958	105	0.31	-0.58	-0.14	7.92e-05	0.0	-4.27e-06
3958	107	0.31	-0.38	-0.14	6.78e-05	0.0	-4.74e-06
3958	112	9.32	-1.82	-0.10	-5.73e-05	0.0	-6.12e-04
3958	114	-6.83	5.99	-0.19	5.16e-05	0.0	4.66e-04
3958	129	5.40	-11.08	-0.11	3.30e-04	0.0	-3.87e-04
3958	144	10.47	-2.01	-0.10	-7.28e-05	0.0	-6.88e-04
3958	146	-7.73	6.79	-0.20	4.95e-05	0.0	5.26e-04
3958	161	6.05	-12.43	-0.11	3.63e-04	0.0	-4.36e-04
3958	176	10.40	-1.99	-0.10	-6.73e-05	0.0	-6.78e-04
3958	178	-7.68	6.65	-0.20	4.73e-05	0.0	5.16e-04
3958	193	6.05	-12.36	-0.11	3.60e-04	0.0	-4.37e-04
3958	208	12.13	-2.28	-0.09	-8.76e-05	0.0	-7.92e-04

3958	210	-9.05	7.79	-0.21	4.28e-05	0.0	6.01e-04
3958	225	7.10	-14.40	-0.10	4.09e-04	0.0	-5.18e-04
3959	4	0.59	0.24	-0.23	6.65e-05	0.0	-6.56e-06
3959	44	0.51	-2.23	-0.20	1.91e-04	0.0	-3.17e-06
3959	68	0.42	0.13	-0.16	4.94e-05	0.0	-5.14e-06
3959	88	0.36	-1.52	-0.14	1.32e-04	0.0	-2.87e-06
3959	98	0.34	-0.43	-0.14	7.06e-05	0.0	-5.24e-06
3959	105	0.32	-0.62	-0.14	7.92e-05	0.0	-4.84e-06
3959	107	0.33	-0.41	-0.14	6.78e-05	0.0	-5.29e-06
3959	112	9.49	-1.84	-0.10	-4.06e-05	0.0	-6.17e-04
3959	114	-6.93	6.00	-0.19	4.71e-05	0.0	4.71e-04
3959	129	5.51	-11.22	-0.11	2.98e-04	0.0	-3.94e-04
3959	144	10.65	-2.02	-0.10	-5.41e-05	0.0	-6.94e-04
3959	146	-7.85	6.80	-0.20	4.45e-05	0.0	5.31e-04
3959	161	6.17	-12.58	-0.11	3.27e-04	0.0	-4.44e-04
3959	176	10.58	-2.01	-0.10	-4.92e-05	0.0	-6.84e-04
3959	178	-7.79	6.66	-0.20	4.26e-05	0.0	5.20e-04
3959	193	6.17	-12.51	-0.11	3.24e-04	0.0	-4.45e-04
3959	208	12.35	-2.29	-0.09	-6.68e-05	0.0	-7.98e-04
3959	210	-9.19	7.81	-0.21	3.73e-05	0.0	6.06e-04
3959	225	7.24	-14.57	-0.10	3.67e-04	0.0	-5.28e-04
3960	4	0.54	0.30	-0.22	6.67e-05	0.0	-5.23e-06
3960	44	0.47	-2.04	-0.18	1.91e-04	0.0	-1.61e-06
3960	68	0.38	0.18	-0.16	4.96e-05	0.0	-4.10e-06
3960	88	0.33	-1.39	-0.14	1.33e-04	0.0	-1.69e-06
3960	98	0.31	-0.36	-0.14	7.10e-05	0.0	-4.01e-06
3960	105	0.30	-0.55	-0.13	7.96e-05	0.0	-3.60e-06
3960	107	0.30	-0.35	-0.13	6.83e-05	0.0	-4.08e-06
3960	112	9.14	-2.10	-0.12	-1.13e-04	0.0	-6.02e-04
3960	114	-6.70	6.24	-0.16	7.36e-05	0.0	4.59e-04
3960	129	5.29	-11.05	-0.12	4.30e-04	0.0	-3.76e-04
3960	144	10.27	-2.33	-0.11	-1.36e-04	0.0	-6.78e-04
3960	146	-7.59	7.07	-0.16	7.43e-05	0.0	5.17e-04
3960	161	5.93	-12.40	-0.11	4.75e-04	0.0	-4.24e-04
3960	176	10.20	-2.31	-0.11	-1.27e-04	0.0	-6.69e-04
3960	178	-7.54	6.92	-0.16	7.06e-05	0.0	5.08e-04
3960	193	5.94	-12.33	-0.11	4.71e-04	0.0	-4.25e-04
3960	208	11.90	-2.66	-0.11	-1.57e-04	0.0	-7.81e-04
3960	210	-8.89	8.11	-0.17	6.95e-05	0.0	5.92e-04
3960	225	6.96	-14.38	-0.11	5.38e-04	0.0	-5.05e-04
3961	4	0.56	0.27	-0.22	6.70e-05	0.0	-6.01e-06
3961	44	0.48	-2.14	-0.19	1.92e-04	0.0	-2.55e-06
3961	68	0.39	0.15	-0.16	4.98e-05	0.0	-4.70e-06
3961	88	0.34	-1.45	-0.14	1.33e-04	0.0	-2.40e-06
3961	98	0.32	-0.40	-0.14	7.12e-05	0.0	-4.71e-06
3961	105	0.31	-0.59	-0.13	7.98e-05	0.0	-4.30e-06
3961	107	0.31	-0.38	-0.13	6.84e-05	0.0	-4.76e-06
3961	112	9.32	-2.13	-0.12	-6.78e-05	0.0	-6.10e-04
3961	114	-6.82	6.27	-0.16	5.94e-05	0.0	4.65e-04
3961	129	5.40	-11.23	-0.12	3.46e-04	0.0	-3.85e-04
3961	144	10.46	-2.36	-0.11	-8.47e-05	0.0	-6.87e-04
3961	146	-7.73	7.11	-0.16	5.82e-05	0.0	5.25e-04
3961	161	6.05	-12.60	-0.11	3.81e-04	0.0	-4.34e-04
3961	176	10.40	-2.34	-0.11	-7.83e-05	0.0	-6.77e-04
3961	178	-7.68	6.96	-0.16	5.53e-05	0.0	5.14e-04
3961	193	6.05	-12.53	-0.11	3.77e-04	0.0	-4.35e-04
3961	208	12.13	-2.68	-0.11	-1.00e-04	0.0	-7.90e-04
3961	210	-9.05	8.16	-0.17	5.17e-05	0.0	6.00e-04
3961	225	7.10	-14.60	-0.11	4.29e-04	0.0	-5.17e-04
3962	4	0.59	0.24	-0.22	6.69e-05	0.0	-6.99e-06
3962	44	0.51	-2.24	-0.19	1.91e-04	0.0	-3.67e-06
3962	68	0.42	0.13	-0.16	4.98e-05	0.0	-5.44e-06
3962	88	0.36	-1.52	-0.14	1.33e-04	0.0	-3.23e-06
3962	98	0.34	-0.43	-0.14	7.11e-05	0.0	-5.51e-06
3962	105	0.33	-0.63	-0.13	7.97e-05	0.0	-5.10e-06
3962	107	0.33	-0.42	-0.13	6.83e-05	0.0	-5.54e-06
3962	112	9.49	-2.15	-0.12	-5.16e-05	0.0	-6.17e-04
3962	114	-6.93	6.29	-0.16	5.44e-05	0.0	4.71e-04
3962	129	5.51	-11.38	-0.12	3.14e-04	0.0	-3.94e-04
3962	144	10.65	-2.38	-0.11	-6.64e-05	0.0	-6.95e-04
3962	146	-7.85	7.13	-0.16	5.27e-05	0.0	5.31e-04
3962	161	6.17	-12.76	-0.11	3.45e-04	0.0	-4.45e-04
3962	176	10.59	-2.35	-0.11	-6.06e-05	0.0	-6.84e-04
3962	178	-7.79	6.98	-0.16	5.01e-05	0.0	5.20e-04
3962	193	6.18	-12.69	-0.11	3.42e-04	0.0	-4.46e-04

3962	208	12.35	-2.70	-0.11	-7.98e-05	0.0	-7.98e-04
3962	210	-9.19	8.19	-0.17	4.57e-05	0.0	6.06e-04
3962	225	7.24	-14.79	-0.11	3.88e-04	0.0	-5.29e-04
3963	4	0.54	0.30	-0.23	6.75e-05	0.0	-4.75e-06
3963	44	0.47	-2.04	-0.19	1.92e-04	0.0	-1.58e-06
3963	68	0.38	0.17	-0.16	5.02e-05	0.0	-3.78e-06
3963	88	0.33	-1.39	-0.14	1.33e-04	0.0	-1.66e-06
3963	98	0.31	-0.36	-0.14	7.17e-05	0.0	-3.79e-06
3963	105	0.30	-0.55	-0.14	8.04e-05	0.0	-3.42e-06
3963	107	0.30	-0.35	-0.14	6.90e-05	0.0	-3.88e-06
3963	112	9.14	-2.41	-0.13	-1.25e-04	0.0	-5.97e-04
3963	129	5.29	-11.19	-0.12	4.46e-04	0.0	-3.71e-04
3963	130	-4.70	10.49	-0.16	-3.08e-04	0.0	3.63e-04
3963	144	10.26	-2.68	-0.13	-1.49e-04	0.0	-6.73e-04
3963	161	5.93	-12.55	-0.11	4.93e-04	0.0	-4.18e-04
3963	162	-5.33	11.85	-0.16	-3.55e-04	0.0	4.10e-04
3963	176	10.20	-2.65	-0.13	-1.40e-04	0.0	-6.64e-04
3963	193	5.94	-12.49	-0.11	4.88e-04	0.0	-4.19e-04
3963	194	-5.34	11.79	-0.16	-3.50e-04	0.0	4.11e-04
3963	208	11.90	-3.06	-0.13	-1.71e-04	0.0	-7.75e-04
3963	225	6.96	-14.57	-0.11	5.59e-04	0.0	-4.98e-04
3963	226	-6.37	13.87	-0.16	-4.21e-04	0.0	4.90e-04
3964	4	0.56	0.27	-0.23	6.86e-05	0.0	-5.64e-06
3964	44	0.48	-2.14	-0.19	1.93e-04	0.0	-2.38e-06
3964	68	0.39	0.15	-0.16	5.10e-05	0.0	-4.44e-06
3964	88	0.34	-1.46	-0.14	1.34e-04	0.0	-2.27e-06
3964	98	0.32	-0.40	-0.14	7.24e-05	0.0	-4.48e-06
3964	105	0.31	-0.59	-0.14	8.10e-05	0.0	-4.10e-06
3964	107	0.31	-0.38	-0.14	6.96e-05	0.0	-4.55e-06
3964	112	9.32	-2.44	-0.13	-8.04e-05	0.0	-6.08e-04
3964	129	5.40	-11.38	-0.12	3.66e-04	0.0	-3.82e-04
3964	130	-4.78	10.61	-0.16	-2.26e-04	0.0	3.73e-04
3964	144	10.46	-2.71	-0.13	-9.90e-05	0.0	-6.84e-04
3964	161	6.04	-12.76	-0.11	4.03e-04	0.0	-4.31e-04
3964	162	-5.43	12.00	-0.16	-2.63e-04	0.0	4.22e-04
3964	176	10.40	-2.68	-0.13	-9.15e-05	0.0	-6.74e-04
3964	193	6.05	-12.70	-0.11	3.99e-04	0.0	-4.32e-04
3964	194	-5.44	11.93	-0.16	-2.60e-04	0.0	4.23e-04
3964	208	12.13	-3.09	-0.13	-1.15e-04	0.0	-7.87e-04
3964	225	7.09	-14.81	-0.11	4.54e-04	0.0	-5.12e-04
3964	226	-6.48	14.04	-0.16	-3.15e-04	0.0	5.03e-04
3965	4	0.60	0.23	-0.23	6.92e-05	0.0	-6.79e-06
3965	44	0.52	-2.24	-0.19	1.94e-04	0.0	-3.46e-06
3965	68	0.42	0.12	-0.16	5.14e-05	0.0	-5.29e-06
3965	88	0.36	-1.52	-0.14	1.35e-04	0.0	-3.07e-06
3965	98	0.34	-0.44	-0.14	7.28e-05	0.0	-5.33e-06
3965	105	0.33	-0.63	-0.14	8.14e-05	0.0	-4.93e-06
3965	107	0.33	-0.42	-0.14	7.00e-05	0.0	-5.37e-06
3965	112	9.49	-2.46	-0.13	-6.42e-05	0.0	-6.17e-04
3965	129	5.51	-11.54	-0.12	3.36e-04	0.0	-3.94e-04
3965	130	-4.86	10.70	-0.16	-1.96e-04	0.0	3.83e-04
3965	144	10.66	-2.73	-0.13	-8.08e-05	0.0	-6.95e-04
3965	161	6.17	-12.94	-0.11	3.69e-04	0.0	-4.44e-04
3965	162	-5.52	12.10	-0.16	-2.29e-04	0.0	4.33e-04
3965	176	10.59	-2.70	-0.13	-7.40e-05	0.0	-6.84e-04
3965	193	6.18	-12.87	-0.11	3.65e-04	0.0	-4.45e-04
3965	194	-5.52	12.04	-0.16	-2.25e-04	0.0	4.34e-04
3965	208	12.35	-3.10	-0.13	-9.51e-05	0.0	-7.98e-04
3965	225	7.24	-15.01	-0.11	4.15e-04	0.0	-5.28e-04
3965	226	-6.59	14.17	-0.16	-2.75e-04	0.0	5.18e-04
3966	4	0.54	0.30	-0.26	6.82e-05	0.0	-4.39e-06
3966	44	0.46	-2.05	-0.21	1.93e-04	0.0	-1.85e-06
3966	68	0.38	0.17	-0.19	5.08e-05	0.0	-3.54e-06
3966	88	0.33	-1.39	-0.16	1.34e-04	0.0	-1.84e-06
3966	98	0.31	-0.37	-0.16	7.23e-05	0.0	-3.67e-06
3966	105	0.30	-0.55	-0.15	8.09e-05	0.0	-3.36e-06
3966	107	0.30	-0.35	-0.15	6.95e-05	0.0	-3.78e-06
3966	112	9.14	-2.71	-0.18	-1.40e-04	0.0	-5.90e-04
3966	124	-0.39	7.70	-0.19	-3.24e-04	0.0	3.76e-05
3966	129	5.29	-11.32	-0.12	4.67e-04	0.0	-3.63e-04
3966	144	10.26	-3.02	-0.18	-1.66e-04	0.0	-6.64e-04
3966	156	-0.48	8.71	-0.20	-3.73e-04	0.0	4.32e-05
3966	161	5.93	-12.70	-0.12	5.16e-04	0.0	-4.10e-04
3966	176	10.20	-2.99	-0.18	-1.56e-04	0.0	-6.56e-04
3966	188	-0.46	8.66	-0.20	-3.66e-04	0.0	4.36e-05

3966	193	5.93	-12.65	-0.12	5.11e-04	0.0	-4.10e-04
3966	208	11.90	-3.45	-0.18	-1.89e-04	0.0	-7.67e-04
3966	220	-0.59	10.17	-0.20	-4.37e-04	0.0	5.43e-05
3966	225	6.96	-14.76	-0.12	5.85e-04	0.0	-4.87e-04
3967	4	0.56	0.26	-0.26	6.97e-05	0.0	-4.87e-06
3967	44	0.48	-2.14	-0.21	1.94e-04	0.0	-1.90e-06
3967	68	0.39	0.15	-0.19	5.18e-05	0.0	-3.89e-06
3967	88	0.34	-1.46	-0.16	1.35e-04	0.0	-1.91e-06
3967	98	0.32	-0.40	-0.16	7.32e-05	0.0	-3.99e-06
3967	105	0.30	-0.59	-0.15	8.18e-05	0.0	-3.65e-06
3967	107	0.31	-0.39	-0.15	7.04e-05	0.0	-4.09e-06
3967	112	9.32	-2.75	-0.18	-9.73e-05	0.0	-6.03e-04
3967	124	-0.40	7.80	-0.19	-2.47e-04	0.0	4.24e-05
3967	129	5.39	-11.52	-0.12	3.91e-04	0.0	-3.77e-04
3967	144	10.46	-3.05	-0.18	-1.18e-04	0.0	-6.79e-04
3967	156	-0.48	8.83	-0.20	-2.87e-04	0.0	4.87e-05
3967	161	6.04	-12.93	-0.12	4.31e-04	0.0	-4.25e-04
3967	176	10.39	-3.02	-0.18	-1.09e-04	0.0	-6.69e-04
3967	188	-0.47	8.78	-0.20	-2.81e-04	0.0	4.99e-05
3967	193	6.05	-12.87	-0.12	4.27e-04	0.0	-4.26e-04
3967	208	12.13	-3.49	-0.18	-1.36e-04	0.0	-7.82e-04
3967	220	-0.60	10.32	-0.20	-3.38e-04	0.0	6.20e-05
3967	225	7.09	-15.01	-0.12	4.87e-04	0.0	-5.05e-04
3968	4	0.60	0.23	-0.26	7.05e-05	0.0	-5.40e-06
3968	44	0.52	-2.24	-0.21	1.95e-04	0.0	-1.96e-06
3968	68	0.42	0.12	-0.19	5.24e-05	0.0	-4.28e-06
3968	88	0.37	-1.52	-0.16	1.35e-04	0.0	-1.99e-06
3968	98	0.34	-0.44	-0.16	7.37e-05	0.0	-4.33e-06
3968	105	0.33	-0.63	-0.15	8.23e-05	0.0	-3.95e-06
3968	107	0.33	-0.42	-0.15	7.09e-05	0.0	-4.40e-06
3968	109	9.50	-8.17	-0.16	7.10e-05	0.0	-6.13e-04
3968	124	-0.40	7.88	-0.19	-2.18e-04	0.0	4.95e-05
3968	129	5.51	-11.69	-0.12	3.63e-04	0.0	-3.92e-04
3968	144	10.66	-3.08	-0.18	-1.01e-04	0.0	-6.93e-04
3968	156	-0.49	8.93	-0.20	-2.54e-04	0.0	5.68e-05
3968	161	6.18	-13.12	-0.12	4.00e-04	0.0	-4.42e-04
3968	176	10.59	-3.05	-0.18	-9.26e-05	0.0	-6.82e-04
3968	188	-0.48	8.87	-0.20	-2.48e-04	0.0	5.86e-05
3968	193	6.18	-13.06	-0.12	3.96e-04	0.0	-4.43e-04
3968	208	12.35	-3.51	-0.18	-1.16e-04	0.0	-7.96e-04
3968	220	-0.60	10.43	-0.20	-3.00e-04	0.0	7.26e-05
3968	225	7.24	-15.23	-0.12	4.50e-04	0.0	-5.26e-04
3969	4	0.54	0.30	-0.32	6.84e-05	0.0	-4.55e-06
3969	44	0.46	-2.05	-0.26	1.92e-04	0.0	-2.89e-06
3969	68	0.38	0.17	-0.23	5.09e-05	0.0	-3.66e-06
3969	88	0.33	-1.39	-0.19	1.34e-04	0.0	-2.56e-06
3969	98	0.31	-0.37	-0.19	7.24e-05	0.0	-3.90e-06
3969	105	0.29	-0.55	-0.18	8.10e-05	0.0	-3.66e-06
3969	107	0.29	-0.35	-0.18	6.97e-05	0.0	-4.02e-06
3969	112	9.14	-3.01	-0.23	-1.59e-04	0.0	-5.81e-04
3969	124	-0.39	7.64	-0.26	-3.50e-04	0.0	3.46e-05
3969	129	5.29	-11.44	-0.13	4.93e-04	0.0	-3.55e-04
3969	144	10.26	-3.35	-0.24	-1.88e-04	0.0	-6.54e-04
3969	156	-0.48	8.65	-0.26	-4.03e-04	0.0	3.98e-05
3969	161	5.92	-12.84	-0.13	5.46e-04	0.0	-4.00e-04
3969	176	10.19	-3.32	-0.24	-1.76e-04	0.0	-6.46e-04
3969	188	-0.46	8.60	-0.26	-3.95e-04	0.0	3.97e-05
3969	193	5.93	-12.79	-0.13	5.40e-04	0.0	-4.01e-04
3969	208	11.89	-3.84	-0.25	-2.13e-04	0.0	-7.55e-04
3969	220	-0.59	10.11	-0.28	-4.71e-04	0.0	4.94e-05
3969	225	6.95	-14.94	-0.12	6.19e-04	0.0	-4.76e-04
3970	4	0.55	0.26	-0.32	7.00e-05	0.0	-4.08e-06
3970	44	0.48	-2.14	-0.26	1.94e-04	0.0	-1.59e-06
3970	68	0.39	0.14	-0.23	5.20e-05	0.0	-3.33e-06
3970	88	0.34	-1.46	-0.19	1.34e-04	0.0	-1.67e-06
3970	98	0.32	-0.40	-0.19	7.34e-05	0.0	-3.48e-06
3970	105	0.30	-0.59	-0.18	8.19e-05	0.0	-3.20e-06
3970	107	0.30	-0.39	-0.18	7.05e-05	0.0	-3.60e-06
3970	112	9.32	-3.05	-0.24	-1.21e-04	0.0	-5.97e-04
3970	124	-0.40	7.76	-0.26	-2.81e-04	0.0	4.03e-05
3970	129	5.39	-11.66	-0.13	4.26e-04	0.0	-3.70e-04
3970	144	10.46	-3.39	-0.24	-1.45e-04	0.0	-6.72e-04
3970	156	-0.48	8.78	-0.27	-3.25e-04	0.0	4.63e-05
3970	161	6.04	-13.08	-0.13	4.70e-04	0.0	-4.18e-04
3970	176	10.39	-3.36	-0.24	-1.34e-04	0.0	-6.63e-04

3970	188	-0.47	8.74	-0.26	-3.18e-04	0.0	4.71e-05
3970	193	6.05	-13.03	-0.13	4.65e-04	0.0	-4.18e-04
3970	208	12.13	-3.88	-0.25	-1.64e-04	0.0	-7.74e-04
3970	220	-0.60	10.27	-0.28	-3.82e-04	0.0	5.85e-05
3970	225	7.09	-15.21	-0.12	5.31e-04	0.0	-4.97e-04
3971	4	0.60	0.22	-0.32	7.08e-05	0.0	-3.37e-06
3971	44	0.52	-2.24	-0.26	1.94e-04	0.0	0.0
3971	68	0.42	0.12	-0.23	5.26e-05	0.0	-2.81e-06
3971	88	0.37	-1.53	-0.19	1.35e-04	0.0	0.0
3971	98	0.35	-0.44	-0.19	7.38e-05	0.0	-2.89e-06
3971	105	0.33	-0.64	-0.18	8.24e-05	0.0	-2.55e-06
3971	107	0.33	-0.42	-0.18	7.10e-05	0.0	-3.01e-06
3971	109	9.50	-8.49	-0.21	6.05e-05	0.0	-6.10e-04
3971	124	-0.40	7.85	-0.26	-2.55e-04	0.0	5.04e-05
3971	129	5.52	-11.85	-0.13	4.00e-04	0.0	-3.90e-04
3971	141	10.66	-9.51	-0.21	5.93e-05	0.0	-6.87e-04
3971	156	-0.49	8.89	-0.27	-2.96e-04	0.0	5.76e-05
3971	161	6.18	-13.30	-0.13	4.41e-04	0.0	-4.39e-04
3971	176	10.59	-3.39	-0.24	-1.19e-04	0.0	-6.80e-04
3971	188	-0.48	8.85	-0.26	-2.89e-04	0.0	5.93e-05
3971	193	6.18	-13.24	-0.13	4.37e-04	0.0	-4.40e-04
3971	208	12.35	-3.91	-0.25	-1.46e-04	0.0	-7.93e-04
3971	220	-0.60	10.40	-0.28	-3.48e-04	0.0	7.32e-05
3971	225	7.24	-15.45	-0.12	4.98e-04	0.0	-5.23e-04
3972	4	0.53	0.29	-0.42	6.76e-05	0.0	-5.69e-06
3972	44	0.46	-2.05	-0.33	1.91e-04	0.0	-5.21e-06
3972	68	0.37	0.17	-0.30	5.04e-05	0.0	-4.50e-06
3972	88	0.33	-1.39	-0.24	1.33e-04	0.0	-4.18e-06
3972	98	0.31	-0.37	-0.24	7.18e-05	0.0	-4.81e-06
3972	105	0.29	-0.56	-0.23	8.04e-05	0.0	-4.65e-06
3972	107	0.29	-0.36	-0.23	6.91e-05	0.0	-4.92e-06
3972	112	9.13	-3.31	-0.33	-1.85e-04	0.0	-5.71e-04
3972	124	-0.39	7.58	-0.36	-3.85e-04	0.0	3.25e-05
3972	129	5.28	-11.55	-0.14	5.27e-04	0.0	-3.49e-04
3972	144	10.25	-3.68	-0.34	-2.16e-04	0.0	-6.43e-04
3972	156	-0.48	8.58	-0.38	-4.42e-04	0.0	3.75e-05
3972	161	5.92	-12.97	-0.13	5.85e-04	0.0	-3.93e-04
3972	176	10.19	-3.65	-0.33	-2.03e-04	0.0	-6.35e-04
3972	188	-0.47	8.54	-0.38	-4.34e-04	0.0	3.68e-05
3972	193	5.93	-12.92	-0.13	5.78e-04	0.0	-3.93e-04
3972	208	11.89	-4.22	-0.35	-2.44e-04	0.0	-7.42e-04
3972	220	-0.59	10.04	-0.40	-5.16e-04	0.0	4.57e-05
3972	225	6.95	-15.10	-0.11	6.64e-04	0.0	-4.66e-04
3973	4	0.55	0.26	-0.42	6.86e-05	0.0	-3.52e-06
3973	44	0.47	-2.14	-0.33	1.91e-04	0.0	-2.07e-06
3973	68	0.38	0.14	-0.30	5.11e-05	0.0	-2.95e-06
3973	88	0.33	-1.46	-0.24	1.33e-04	0.0	-1.98e-06
3973	98	0.32	-0.41	-0.24	7.23e-05	0.0	-3.20e-06
3973	105	0.30	-0.60	-0.23	8.07e-05	0.0	-3.03e-06
3973	107	0.30	-0.39	-0.23	6.94e-05	0.0	-3.36e-06
3973	112	9.31	-3.35	-0.33	-1.52e-04	0.0	-5.91e-04
3973	124	-0.40	7.71	-0.37	-3.28e-04	0.0	3.86e-05
3973	129	5.39	-11.79	-0.14	4.70e-04	0.0	-3.65e-04
3973	144	10.46	-3.73	-0.34	-1.80e-04	0.0	-6.66e-04
3973	156	-0.48	8.73	-0.38	-3.77e-04	0.0	4.42e-05
3973	161	6.03	-13.23	-0.13	5.20e-04	0.0	-4.12e-04
3973	176	10.39	-3.70	-0.34	-1.68e-04	0.0	-6.57e-04
3973	188	-0.47	8.69	-0.38	-3.70e-04	0.0	4.47e-05
3973	193	6.04	-13.19	-0.13	5.14e-04	0.0	-4.12e-04
3973	208	12.12	-4.27	-0.35	-2.02e-04	0.0	-7.67e-04
3973	220	-0.60	10.22	-0.40	-4.41e-04	0.0	5.55e-05
3973	225	7.08	-15.40	-0.11	5.89e-04	0.0	-4.89e-04
3974	4	0.60	0.22	-0.42	6.89e-05	0.0	0.0
3974	44	0.52	-2.24	-0.33	1.91e-04	0.0	2.32e-06
3974	68	0.42	0.12	-0.30	5.12e-05	0.0	-1.08e-06
3974	88	0.37	-1.52	-0.24	1.33e-04	0.0	1.12e-06
3974	98	0.35	-0.44	-0.24	7.24e-05	0.0	-1.20e-06
3974	105	0.33	-0.64	-0.23	8.08e-05	0.0	0.0
3974	107	0.33	-0.43	-0.23	6.96e-05	0.0	-1.39e-06
3974	109	9.50	-8.81	-0.28	4.59e-05	0.0	-6.07e-04
3974	124	-0.40	7.82	-0.37	-3.06e-04	0.0	5.15e-05
3974	129	5.52	-12.01	-0.14	4.48e-04	0.0	-3.87e-04
3974	141	10.66	-9.87	-0.29	4.31e-05	0.0	-6.84e-04
3974	156	-0.49	8.86	-0.38	-3.53e-04	0.0	5.87e-05
3974	161	6.18	-13.47	-0.13	4.95e-04	0.0	-4.37e-04

3974	176	10.59	-3.74	-0.34	-1.55e-04	0.0	-6.77e-04
3974	188	-0.47	8.82	-0.38	-3.45e-04	0.0	6.03e-05
3974	193	6.18	-13.42	-0.13	4.90e-04	0.0	-4.38e-04
3974	208	12.35	-4.31	-0.35	-1.87e-04	0.0	-7.91e-04
3974	220	-0.60	10.38	-0.40	-4.13e-04	0.0	7.41e-05
3974	225	7.25	-15.67	-0.11	5.60e-04	0.0	-5.20e-04
3975	4	0.53	0.29	-0.57	6.55e-05	0.0	-8.33e-06
3975	44	0.46	-2.05	-0.43	1.88e-04	0.0	-9.00e-06
3975	68	0.37	0.17	-0.40	4.89e-05	0.0	-6.40e-06
3975	88	0.32	-1.39	-0.31	1.31e-04	0.0	-6.85e-06
3975	98	0.31	-0.37	-0.32	7.02e-05	0.0	-6.69e-06
3975	105	0.29	-0.56	-0.30	7.88e-05	0.0	-6.58e-06
3975	107	0.29	-0.36	-0.31	6.76e-05	0.0	-6.73e-06
3975	112	9.13	-3.59	-0.48	-2.16e-04	0.0	-5.64e-04
3975	124	-0.39	7.51	-0.54	-4.29e-04	0.0	3.08e-05
3975	129	5.28	-11.66	-0.14	5.68e-04	0.0	-3.46e-04
3975	144	10.25	-4.01	-0.50	-2.51e-04	0.0	-6.35e-04
3975	156	-0.48	8.50	-0.57	-4.91e-04	0.0	3.57e-05
3975	161	5.92	-13.09	-0.12	6.30e-04	0.0	-3.90e-04
3975	176	10.19	-3.97	-0.49	-2.37e-04	0.0	-6.27e-04
3975	188	-0.47	8.47	-0.57	-4.82e-04	0.0	3.46e-05
3975	193	5.93	-13.05	-0.12	6.24e-04	0.0	-3.89e-04
3975	208	11.89	-4.60	-0.52	-2.82e-04	0.0	-7.31e-04
3975	220	-0.59	9.96	-0.61	-5.72e-04	0.0	4.32e-05
3975	225	6.95	-15.25	-0.09	7.17e-04	0.0	-4.60e-04
3976	4	0.54	0.26	-0.57	6.49e-05	0.0	-2.41e-06
3976	44	0.47	-2.14	-0.44	1.85e-04	0.0	-3.41e-06
3976	68	0.38	0.14	-0.40	4.84e-05	0.0	-2.25e-06
3976	88	0.33	-1.46	-0.31	1.29e-04	0.0	-2.92e-06
3976	98	0.31	-0.41	-0.32	6.95e-05	0.0	-2.89e-06
3976	105	0.30	-0.60	-0.30	7.79e-05	0.0	-3.00e-06
3976	107	0.30	-0.39	-0.31	6.67e-05	0.0	-3.14e-06
3976	112	9.31	-3.65	-0.48	-1.91e-04	0.0	-5.88e-04
3976	124	-0.40	7.66	-0.55	-3.85e-04	0.0	3.86e-05
3976	129	5.38	-11.92	-0.14	5.21e-04	0.0	-3.64e-04
3976	144	10.45	-4.07	-0.50	-2.23e-04	0.0	-6.62e-04
3976	156	-0.48	8.67	-0.58	-4.41e-04	0.0	4.43e-05
3976	161	6.03	-13.38	-0.12	5.78e-04	0.0	-4.10e-04
3976	176	10.39	-4.03	-0.49	-2.09e-04	0.0	-6.53e-04
3976	188	-0.47	8.64	-0.57	-4.33e-04	0.0	4.48e-05
3976	193	6.03	-13.34	-0.12	5.72e-04	0.0	-4.10e-04
3976	208	12.12	-4.66	-0.52	-2.49e-04	0.0	-7.62e-04
3976	220	-0.60	10.16	-0.61	-5.14e-04	0.0	5.55e-05
3976	225	7.08	-15.58	-0.09	6.56e-04	0.0	-4.87e-04
3977	4	0.61	0.22	-0.57	6.40e-05	0.0	2.21e-06
3977	44	0.52	-2.24	-0.44	1.84e-04	0.0	4.70e-06
3977	68	0.42	0.12	-0.40	4.77e-05	0.0	1.20e-06
3977	88	0.37	-1.52	-0.32	1.27e-04	0.0	2.86e-06
3977	98	0.35	-0.44	-0.32	6.88e-05	0.0	0.0
3977	105	0.33	-0.64	-0.30	7.71e-05	0.0	0.0
3977	107	0.33	-0.43	-0.31	6.60e-05	0.0	0.0
3977	109	9.50	-9.13	-0.40	2.70e-05	0.0	-6.06e-04
3977	124	-0.40	7.79	-0.55	-3.69e-04	0.0	5.34e-05
3977	129	5.52	-12.17	-0.15	5.04e-04	0.0	-3.85e-04
3977	141	10.66	-10.23	-0.41	2.22e-05	0.0	-6.82e-04
3977	156	-0.49	8.83	-0.58	-4.23e-04	0.0	6.06e-05
3977	161	6.18	-13.65	-0.13	5.59e-04	0.0	-4.35e-04
3977	173	10.59	-10.09	-0.40	3.17e-05	0.0	-6.71e-04
3977	188	-0.47	8.79	-0.57	-4.15e-04	0.0	6.22e-05
3977	193	6.19	-13.61	-0.13	5.53e-04	0.0	-4.36e-04
3977	208	12.35	-4.71	-0.52	-2.38e-04	0.0	-7.89e-04
3977	220	-0.60	10.35	-0.61	-4.93e-04	0.0	7.59e-05
3977	225	7.25	-15.89	-0.10	6.34e-04	0.0	-5.19e-04
3978	4	0.53	0.28	-0.78	6.12e-05	0.0	-1.30e-05
3978	44	0.46	-2.06	-0.59	1.84e-04	0.0	-1.34e-05
3978	68	0.37	0.16	-0.55	4.59e-05	0.0	-9.69e-06
3978	88	0.32	-1.40	-0.42	1.28e-04	0.0	-9.96e-06
3978	98	0.31	-0.38	-0.43	6.74e-05	0.0	-9.64e-06
3978	105	0.29	-0.56	-0.40	7.62e-05	0.0	-9.41e-06
3978	107	0.29	-0.36	-0.41	6.49e-05	0.0	-9.52e-06
3978	112	9.13	-3.88	-0.72	-2.56e-04	0.0	-5.60e-04
3978	124	-0.39	7.44	-0.83	-4.83e-04	0.0	2.86e-05
3978	129	5.28	-11.76	-0.12	6.17e-04	0.0	-3.46e-04
3978	144	10.25	-4.33	-0.75	-2.96e-04	0.0	-6.29e-04
3978	156	-0.48	8.42	-0.89	-5.52e-04	0.0	3.36e-05

3978	161	5.92	-13.21	-0.09	6.86e-04	0.0	-3.89e-04
3978	176	10.19	-4.29	-0.74	-2.80e-04	0.0	-6.20e-04
3978	188	-0.47	8.39	-0.88	-5.43e-04	0.0	3.23e-05
3978	193	5.93	-13.17	-0.09	6.79e-04	0.0	-3.87e-04
3978	208	11.89	-4.97	-0.78	-3.32e-04	0.0	-7.22e-04
3978	220	-0.59	9.88	-0.95	-6.42e-04	0.0	4.08e-05
3978	225	6.95	-15.40	-0.03	7.82e-04	0.0	-4.57e-04
3979	4	0.52	0.25	-0.80	5.71e-05	0.0	4.85e-06
3979	44	0.46	-2.15	-0.60	1.75e-04	0.0	-2.12e-06
3979	52	0.52	-0.68	-0.76	1.04e-04	0.0	2.24e-06
3979	68	0.37	0.14	-0.56	4.27e-05	0.0	2.60e-06
3979	88	0.32	-1.46	-0.43	1.22e-04	0.0	-2.04e-06
3979	92	0.37	-0.48	-0.53	7.43e-05	0.0	0.0
3979	98	0.31	-0.41	-0.44	6.39e-05	0.0	0.0
3979	105	0.29	-0.60	-0.41	7.23e-05	0.0	0.0
3979	107	0.29	-0.39	-0.42	6.13e-05	0.0	0.0
3979	112	9.31	-3.95	-0.73	-2.35e-04	0.0	-5.92e-04
3979	124	-0.40	7.61	-0.85	-4.47e-04	0.0	4.76e-05
3979	129	5.37	-12.05	-0.13	5.73e-04	0.0	-3.73e-04
3979	144	10.45	-4.40	-0.76	-2.72e-04	0.0	-6.67e-04
3979	156	-0.49	8.62	-0.90	-5.11e-04	0.0	5.41e-05
3979	161	6.02	-13.53	-0.09	6.37e-04	0.0	-4.21e-04
3979	176	10.38	-4.36	-0.75	-2.56e-04	0.0	-6.57e-04
3979	188	-0.48	8.59	-0.89	-5.02e-04	0.0	5.55e-05
3979	193	6.02	-13.49	-0.09	6.30e-04	0.0	-4.22e-04
3979	208	12.12	-5.04	-0.80	-3.03e-04	0.0	-7.67e-04
3979	220	-0.60	10.11	-0.97	-5.94e-04	0.0	6.81e-05
3979	225	7.07	-15.76	-0.03	7.26e-04	0.0	-5.02e-04
3980	4	0.61	0.23	-0.82	5.41e-05	0.0	7.34e-06
3980	44	0.52	-2.23	-0.62	1.69e-04	0.0	8.70e-06
3980	68	0.43	0.12	-0.58	4.04e-05	0.0	4.87e-06
3980	88	0.37	-1.52	-0.44	1.17e-04	0.0	5.77e-06
3980	98	0.35	-0.44	-0.45	6.15e-05	0.0	3.99e-06
3980	105	0.33	-0.63	-0.42	6.96e-05	0.0	3.91e-06
3980	107	0.33	-0.42	-0.43	5.88e-05	0.0	3.63e-06
3980	109	9.50	-9.45	-0.59	3.44e-06	0.0	-6.05e-04
3980	124	-0.40	7.77	-0.87	-4.34e-04	0.0	5.67e-05
3980	129	5.52	-12.32	-0.13	5.55e-04	0.0	-3.84e-04
3980	141	10.66	-10.58	-0.61	-3.37e-06	0.0	-6.82e-04
3980	156	-0.49	8.80	-0.92	-4.95e-04	0.0	6.39e-05
3980	161	6.19	-13.83	-0.09	6.17e-04	0.0	-4.34e-04
3980	173	10.59	-10.44	-0.59	7.12e-06	0.0	-6.71e-04
3980	188	-0.47	8.77	-0.91	-4.86e-04	0.0	6.56e-05
3980	193	6.19	-13.79	-0.09	6.10e-04	0.0	-4.35e-04
3980	208	12.35	-5.11	-0.81	-2.93e-04	0.0	-7.89e-04
3980	220	-0.60	10.33	-0.99	-5.75e-04	0.0	7.94e-05
3980	225	7.25	-16.11	-0.04	7.02e-04	0.0	-5.18e-04
3981	4	0.53	0.28	-0.95	5.43e-05	3.50e-05	-1.81e-05
3981	44	0.46	-2.07	-0.72	1.80e-04	3.38e-05	-1.63e-05
3981	68	0.37	0.16	-0.67	4.12e-05	2.48e-05	-1.31e-05
3981	88	0.32	-1.41	-0.51	1.25e-04	2.40e-05	-1.19e-05
3981	98	0.31	-0.38	-0.52	6.36e-05	2.14e-05	-1.23e-05
3981	105	0.29	-0.57	-0.49	7.28e-05	2.07e-05	-1.18e-05
3981	107	0.29	-0.37	-0.50	6.14e-05	2.05e-05	-1.20e-05
3981	112	9.13	-4.16	-0.98	-3.06e-04	3.08e-04	-5.66e-04
3981	124	-0.40	7.37	-1.12	-5.51e-04	-5.01e-06	2.96e-05
3981	129	5.28	-11.87	-0.09	6.79e-04	2.24e-04	-3.55e-04
3981	144	10.25	-4.65	-1.04	-3.52e-04	3.44e-04	-6.36e-04
3981	156	-0.48	8.34	-1.20	-6.28e-04	-8.09e-06	3.50e-05
3981	161	5.92	-13.32	-0.04	7.56e-04	2.49e-04	-3.99e-04
3981	176	10.19	-4.60	-1.01	-3.36e-04	3.39e-04	-6.24e-04
3981	188	-0.47	8.32	-1.18	-6.18e-04	-7.21e-06	3.43e-05
3981	193	5.93	-13.29	-0.04	7.48e-04	2.46e-04	-3.97e-04
3981	208	11.89	-5.33	-1.09	-3.96e-04	3.93e-04	-7.25e-04
3981	220	-0.59	9.80	-1.29	-7.30e-04	-1.16e-05	4.41e-05
3981	225	6.95	-15.55	0.03	8.64e-04	2.86e-04	-4.68e-04
3982	4	0.50	0.26	-0.97	4.39e-05	6.62e-05	4.46e-05
3982	28	0.50	-1.61	-0.87	1.39e-04	6.48e-05	3.43e-05
3982	44	0.43	-2.16	-0.74	1.62e-04	5.82e-05	2.55e-05
3982	68	0.35	0.14	-0.68	3.33e-05	4.67e-05	3.02e-05
3982	80	0.35	-1.10	-0.62	9.70e-05	4.57e-05	2.33e-05
3982	88	0.31	-1.47	-0.52	1.12e-04	4.13e-05	1.74e-05
3982	98	0.29	-0.41	-0.53	5.50e-05	3.69e-05	1.93e-05
3982	105	0.28	-0.60	-0.49	6.38e-05	3.54e-05	1.70e-05
3982	107	0.28	-0.40	-0.51	5.28e-05	3.56e-05	1.80e-05

3982	112	9.30	-4.25	-0.99	-2.82e-04	3.73e-04	-5.83e-04
3982	124	-0.41	7.59	-1.13	-5.08e-04	2.68e-04	8.26e-05
3982	129	5.35	-12.22	-0.10	6.18e-04	-3.55e-05	-3.78e-04
3982	144	10.44	-4.74	-1.05	-3.24e-04	4.15e-04	-6.59e-04
3982	156	-0.49	8.59	-1.20	-5.78e-04	2.97e-04	9.12e-05
3982	161	6.00	-13.71	-0.05	6.88e-04	-4.42e-05	-4.29e-04
3982	176	10.37	-4.69	-1.02	-3.08e-04	4.08e-04	-6.46e-04
3982	188	-0.48	8.57	-1.19	-5.69e-04	2.91e-04	9.35e-05
3982	193	6.01	-13.68	-0.05	6.81e-04	-4.19e-05	-4.30e-04
3982	208	12.11	-5.43	-1.10	-3.62e-04	4.70e-04	-7.56e-04
3982	220	-0.61	10.09	-1.30	-6.71e-04	3.33e-04	1.10e-04
3982	225	7.05	-15.99	0.02	7.87e-04	-5.24e-05	-5.14e-04
3983	4	0.61	0.23	-1.00	4.83e-05	1.84e-04	-1.14e-05
3983	44	0.53	-2.22	-0.77	1.40e-04	1.62e-04	-1.38e-05
3983	68	0.43	0.12	-0.70	3.49e-05	1.29e-04	-8.60e-06
3983	88	0.37	-1.51	-0.55	9.61e-05	1.14e-04	-1.02e-05
3983	98	0.35	-0.44	-0.55	5.37e-05	9.70e-05	-9.16e-06
3983	105	0.33	-0.63	-0.51	5.94e-05	9.32e-05	-9.18e-06
3983	107	0.33	-0.42	-0.52	5.01e-05	9.39e-05	-9.02e-06
3983	109	9.50	-9.76	-0.79	-1.22e-05	3.95e-04	-6.45e-04
3983	124	-0.40	7.75	-1.14	-4.24e-04	3.68e-04	5.00e-05
3983	129	5.53	-12.48	-0.12	5.27e-04	8.16e-06	-4.18e-04
3983	141	10.66	-10.94	-0.82	-1.99e-05	4.33e-04	-7.26e-04
3983	156	-0.49	8.78	-1.22	-4.83e-04	4.02e-04	5.81e-05
3983	161	6.19	-14.01	-0.07	5.87e-04	-2.28e-06	-4.71e-04
3983	173	10.59	-10.80	-0.81	-9.78e-06	4.29e-04	-7.16e-04
3983	188	-0.48	8.75	-1.21	-4.75e-04	3.98e-04	6.09e-05
3983	193	6.19	-13.97	-0.07	5.80e-04	0.0	-4.74e-04
3983	205	12.35	-12.53	-0.84	-1.52e-05	4.86e-04	-8.35e-04
3983	220	-0.61	10.31	-1.32	-5.60e-04	4.48e-04	7.66e-05
3983	225	7.25	-16.33	8.90e-03	6.69e-04	-1.13e-05	-5.63e-04
3984	4	0.56	0.33	-0.99	6.58e-05	0.0	-2.17e-05
3984	44	0.49	-2.04	-0.81	1.78e-04	0.0	0.0
3984	68	0.40	0.20	-0.69	4.83e-05	0.0	-1.51e-05
3984	88	0.34	-1.38	-0.58	1.23e-04	0.0	0.0
3984	98	0.32	-0.35	-0.55	6.55e-05	0.0	-8.57e-06
3984	105	0.31	-0.53	-0.52	7.33e-05	0.0	-6.66e-06
3984	107	0.31	-0.33	-0.53	6.28e-05	0.0	-8.15e-06
3984	112	9.16	-0.37	-0.64	2.58e-05	0.0	-5.27e-04
3984	124	-0.38	7.90	-0.75	-2.82e-04	0.0	1.48e-04
3984	129	5.31	-10.09	-0.35	4.49e-04	0.0	-5.21e-04
3984	144	10.28	-0.38	-0.66	2.12e-05	0.0	-5.92e-04
3984	156	-0.47	8.93	-0.77	-3.25e-04	0.0	1.68e-04
3984	161	5.95	-11.32	-0.33	4.97e-04	0.0	-5.87e-04
3984	176	10.22	-0.39	-0.65	2.06e-05	0.0	-5.83e-04
3984	188	-0.45	8.84	-0.77	-3.20e-04	0.0	1.73e-04
3984	193	5.95	-11.22	-0.33	4.92e-04	0.0	-5.90e-04
3984	208	11.92	-0.41	-0.67	1.35e-05	0.0	-6.78e-04
3984	220	-0.58	10.35	-0.81	-3.83e-04	0.0	2.08e-04
3984	225	6.98	-13.05	-0.30	5.63e-04	0.0	-6.98e-04
3985	4	0.61	0.36	-0.99	6.35e-05	0.0	-7.53e-06
3985	44	0.52	-1.95	-0.81	1.77e-04	0.0	1.20e-05
3985	68	0.43	0.22	-0.69	4.67e-05	0.0	-5.23e-06
3985	88	0.37	-1.32	-0.58	1.22e-04	0.0	7.79e-06
3985	98	0.35	-0.31	-0.55	6.44e-05	0.0	0.0
3985	105	0.33	-0.50	-0.52	7.23e-05	0.0	1.13e-06
3985	107	0.33	-0.30	-0.53	6.17e-05	0.0	0.0
3985	109	9.05	-5.39	-0.54	2.39e-04	0.0	-7.24e-04
3985	124	-0.35	7.75	-0.75	-2.88e-04	0.0	2.23e-04
3985	129	5.26	-9.87	-0.35	4.54e-04	0.0	-5.90e-04
3985	141	10.16	-6.03	-0.54	2.61e-04	0.0	-8.16e-04
3985	156	-0.44	8.76	-0.77	-3.32e-04	0.0	2.52e-04
3985	161	5.89	-11.07	-0.33	5.02e-04	0.0	-6.66e-04
3985	173	10.09	-5.95	-0.54	2.56e-04	0.0	-8.04e-04
3985	188	-0.43	8.67	-0.77	-3.27e-04	0.0	2.56e-04
3985	193	5.90	-10.97	-0.33	4.97e-04	0.0	-6.68e-04
3985	205	11.77	-6.89	-0.54	2.88e-04	0.0	-9.38e-04
3985	220	-0.55	10.16	-0.81	-3.91e-04	0.0	3.04e-04
3985	225	6.91	-12.77	-0.30	5.69e-04	0.0	-7.90e-04
3986	4	0.54	0.30	-0.99	7.41e-05	0.0	-3.01e-05
3986	44	0.47	-2.13	-0.81	1.82e-04	0.0	-1.18e-05
3986	68	0.38	0.17	-0.70	5.40e-05	0.0	-2.10e-05
3986	88	0.33	-1.45	-0.58	1.26e-04	0.0	-8.83e-06
3986	98	0.32	-0.38	-0.55	6.95e-05	0.0	-1.50e-05
3986	105	0.30	-0.57	-0.52	7.68e-05	0.0	-1.30e-05

3986	107	0.30	-0.36	-0.53	6.64e-05	0.0	-1.42e-05
3986	112	9.33	-0.38	-0.65	2.98e-05	0.0	-6.44e-04
3986	124	-0.40	8.03	-0.75	-2.64e-04	0.0	7.87e-05
3986	129	5.40	-10.31	-0.35	4.36e-04	0.0	-4.53e-04
3986	144	10.47	-0.39	-0.66	2.53e-05	0.0	-7.23e-04
3986	156	-0.49	9.09	-0.78	-3.05e-04	0.0	9.10e-05
3986	161	6.05	-11.56	-0.33	4.83e-04	0.0	-5.09e-04
3986	176	10.41	-0.40	-0.66	2.48e-05	0.0	-7.11e-04
3986	188	-0.48	8.99	-0.77	-3.01e-04	0.0	9.47e-05
3986	193	6.05	-11.46	-0.33	4.78e-04	0.0	-5.12e-04
3986	208	12.14	-0.42	-0.67	1.78e-05	0.0	-8.28e-04
3986	220	-0.60	10.54	-0.81	-3.61e-04	0.0	1.17e-04
3986	225	7.10	-13.33	-0.30	5.46e-04	0.0	-6.05e-04
3987	4	0.59	0.26	-0.99	8.15e-05	0.0	-8.72e-06
3987	44	0.51	-2.22	-0.81	1.87e-04	0.0	-4.79e-06
3987	68	0.41	0.14	-0.69	5.90e-05	0.0	-6.64e-06
3987	88	0.36	-1.51	-0.58	1.29e-04	0.0	-4.02e-06
3987	98	0.34	-0.42	-0.55	7.30e-05	0.0	-6.39e-06
3987	105	0.32	-0.61	-0.52	8.00e-05	0.0	-5.91e-06
3987	107	0.32	-0.40	-0.53	6.98e-05	0.0	-6.37e-06
3987	112	9.49	-0.40	-0.65	3.34e-05	0.0	-6.20e-04
3987	124	-0.40	8.16	-0.75	-2.50e-04	0.0	5.12e-05
3987	129	5.50	-10.52	-0.35	4.28e-04	0.0	-4.00e-04
3987	144	10.65	-0.41	-0.66	2.90e-05	0.0	-6.97e-04
3987	156	-0.49	9.23	-0.77	-2.90e-04	0.0	5.90e-05
3987	161	6.16	-11.79	-0.33	4.73e-04	0.0	-4.50e-04
3987	176	10.58	-0.41	-0.65	2.86e-05	0.0	-6.87e-04
3987	188	-0.48	9.13	-0.77	-2.86e-04	0.0	6.11e-05
3987	193	6.17	-11.69	-0.33	4.68e-04	0.0	-4.51e-04
3987	208	12.34	-0.43	-0.67	2.17e-05	0.0	-8.01e-04
3987	220	-0.61	10.70	-0.81	-3.44e-04	0.0	7.60e-05
3987	225	7.23	-13.59	-0.30	5.34e-04	0.0	-5.36e-04
3988	4	0.56	0.32	-0.73	6.87e-05	0.0	-2.06e-05
3988	44	0.48	-2.04	-0.60	1.84e-04	0.0	0.0
3988	68	0.39	0.19	-0.51	5.05e-05	0.0	-1.44e-05
3988	88	0.34	-1.38	-0.43	1.28e-04	0.0	0.0
3988	98	0.32	-0.35	-0.41	6.86e-05	0.0	-8.19e-06
3988	105	0.31	-0.54	-0.39	7.66e-05	0.0	-6.36e-06
3988	107	0.31	-0.33	-0.40	6.58e-05	0.0	-7.80e-06
3988	112	9.16	-0.62	-0.38	-6.84e-05	0.0	-5.26e-04
3988	129	5.31	-10.29	-0.28	3.75e-04	0.0	-5.21e-04
3988	134	1.01	8.67	-0.53	-2.00e-04	0.0	3.93e-04
3988	144	10.28	-0.66	-0.37	-8.51e-05	0.0	-5.92e-04
3988	161	5.95	-11.54	-0.26	4.13e-04	0.0	-5.87e-04
3988	166	1.09	9.79	-0.55	-2.33e-04	0.0	4.43e-04
3988	176	10.22	-0.66	-0.37	-8.08e-05	0.0	-5.82e-04
3988	193	5.95	-11.45	-0.26	4.09e-04	0.0	-5.90e-04
3988	198	1.08	9.59	-0.55	-2.27e-04	0.0	4.33e-04
3988	208	11.92	-0.73	-0.37	-1.04e-04	0.0	-6.77e-04
3988	225	6.98	-13.32	-0.24	4.67e-04	0.0	-6.98e-04
3988	230	1.21	11.17	-0.57	-2.75e-04	0.0	5.07e-04
3989	4	0.61	0.36	-0.73	6.84e-05	0.0	-1.45e-05
3989	44	0.52	-1.95	-0.60	1.84e-04	0.0	8.42e-06
3989	68	0.43	0.22	-0.51	5.03e-05	0.0	-1.00e-05
3989	88	0.37	-1.32	-0.43	1.28e-04	0.0	5.31e-06
3989	98	0.35	-0.32	-0.41	6.85e-05	0.0	-3.50e-06
3989	105	0.33	-0.50	-0.39	7.65e-05	0.0	-1.69e-06
3989	107	0.33	-0.30	-0.40	6.56e-05	0.0	-3.32e-06
3989	109	9.05	-5.70	-0.31	1.03e-04	0.0	-7.05e-04
3989	129	5.26	-10.10	-0.27	3.82e-04	0.0	-5.53e-04
3989	134	1.01	8.55	-0.53	-2.04e-04	0.0	4.12e-04
3989	141	10.15	-6.38	-0.30	1.08e-04	0.0	-7.94e-04
3989	161	5.89	-11.33	-0.26	4.21e-04	0.0	-6.23e-04
3989	166	1.09	9.65	-0.55	-2.38e-04	0.0	4.64e-04
3989	173	10.09	-6.29	-0.30	1.09e-04	0.0	-7.83e-04
3989	193	5.90	-11.24	-0.26	4.17e-04	0.0	-6.26e-04
3989	198	1.08	9.45	-0.55	-2.32e-04	0.0	4.52e-04
3989	205	11.77	-7.29	-0.28	1.16e-04	0.0	-9.14e-04
3989	225	6.91	-13.08	-0.23	4.76e-04	0.0	-7.41e-04
3989	230	1.21	11.01	-0.57	-2.80e-04	0.0	5.27e-04
3990	4	0.55	0.29	-0.73	6.94e-05	0.0	-2.21e-05
3990	44	0.48	-2.13	-0.60	1.85e-04	0.0	-7.07e-06
3990	68	0.39	0.17	-0.52	5.10e-05	0.0	-1.56e-05
3990	88	0.34	-1.45	-0.43	1.28e-04	0.0	-5.55e-06
3990	98	0.32	-0.38	-0.42	6.90e-05	0.0	-1.10e-05

3990	105	0.30	-0.58	-0.39	7.69e-05	0.0	-9.49e-06
3990	107	0.30	-0.37	-0.40	6.61e-05	0.0	-1.06e-05
3990	112	9.33	-0.63	-0.37	-5.91e-05	0.0	-6.42e-04
3990	129	5.40	-10.47	-0.28	3.56e-04	0.0	-4.57e-04
3990	134	1.02	8.78	-0.54	-1.88e-04	0.0	-5.52e-05
3990	144	10.47	-0.67	-0.37	-7.46e-05	0.0	-7.22e-04
3990	161	6.05	-11.74	-0.26	3.93e-04	0.0	-5.14e-04
3990	166	1.11	9.92	-0.55	-2.20e-04	0.0	-6.12e-05
3990	176	10.41	-0.67	-0.37	-7.07e-05	0.0	-7.10e-04
3990	193	6.06	-11.65	-0.26	3.89e-04	0.0	-5.17e-04
3990	198	1.10	9.71	-0.55	-2.15e-04	0.0	-6.15e-05
3990	208	12.14	-0.74	-0.37	-9.23e-05	0.0	-8.27e-04
3990	225	7.10	-13.55	-0.24	4.43e-04	0.0	-6.12e-04
3990	230	1.24	11.32	-0.58	-2.60e-04	0.0	-7.29e-05
3991	4	0.59	0.25	-0.73	6.97e-05	0.0	-9.28e-06
3991	44	0.51	-2.23	-0.60	1.85e-04	0.0	-5.04e-06
3991	68	0.41	0.14	-0.51	5.12e-05	0.0	-7.01e-06
3991	88	0.36	-1.51	-0.43	1.28e-04	0.0	-4.19e-06
3991	98	0.34	-0.42	-0.42	6.91e-05	0.0	-6.65e-06
3991	105	0.32	-0.61	-0.39	7.70e-05	0.0	-6.13e-06
3991	107	0.32	-0.40	-0.40	6.62e-05	0.0	-6.61e-06
3991	112	9.49	-0.65	-0.37	-5.38e-05	0.0	-6.20e-04
3991	129	5.50	-10.64	-0.28	3.46e-04	0.0	-3.99e-04
3991	134	1.05	8.88	-0.54	-1.82e-04	0.0	-6.73e-05
3991	144	10.65	-0.68	-0.37	-6.87e-05	0.0	-6.97e-04
3991	161	6.16	-11.93	-0.26	3.81e-04	0.0	-4.50e-04
3991	166	1.14	10.03	-0.55	-2.13e-04	0.0	-7.55e-05
3991	176	10.58	-0.69	-0.37	-6.51e-05	0.0	-6.87e-04
3991	193	6.17	-11.83	-0.26	3.77e-04	0.0	-4.51e-04
3991	198	1.13	9.82	-0.55	-2.08e-04	0.0	-7.85e-05
3991	208	12.34	-0.75	-0.37	-8.58e-05	0.0	-8.01e-04
3991	225	7.23	-13.75	-0.24	4.29e-04	0.0	-5.35e-04
3991	230	1.27	11.46	-0.58	-2.52e-04	0.0	-9.47e-05
3992	28	0.38	-1.06	-1.17	1.37e-04	1.01e-04	4.24e-05
3992	44	0.34	-1.56	-1.09	1.65e-04	9.33e-05	3.99e-05
3992	52	0.38	-0.27	-1.10	7.92e-05	1.02e-04	4.32e-05
3992	80	0.27	-0.72	-0.82	9.39e-05	7.33e-05	3.14e-05
3992	88	0.24	-1.05	-0.77	1.12e-04	6.80e-05	2.97e-05
3992	92	0.27	-0.19	-0.78	5.51e-05	7.41e-05	3.19e-05
3992	98	0.23	-0.15	-0.65	4.48e-05	6.43e-05	2.92e-05
3992	105	0.22	-0.32	-0.64	5.52e-05	6.25e-05	2.86e-05
3992	107	0.22	-0.14	-0.63	4.23e-05	6.28e-05	2.88e-05
3992	112	9.30	8.11	-0.06	-4.07e-04	5.53e-04	-5.55e-04
3992	135	-5.19	-10.27	-1.26	6.99e-04	-2.29e-04	3.80e-04
3992	139	-4.87	-10.34	-1.26	7.02e-04	-2.04e-04	3.88e-04
3992	144	10.45	9.15	0.01	-4.64e-04	6.15e-04	-6.29e-04
3992	171	-5.53	-11.64	-1.34	7.85e-04	-2.38e-04	4.34e-04
3992	176	10.48	9.05	9.85e-03	-4.51e-04	6.12e-04	-6.25e-04
3992	203	-5.64	-11.63	-1.34	7.78e-04	-2.40e-04	4.40e-04
3992	208	12.29	10.60	0.12	-5.30e-04	7.07e-04	-7.39e-04
3992	235	-6.76	-13.64	-1.47	9.03e-04	-2.96e-04	5.20e-04
3993	28	0.37	-1.02	-1.25	1.17e-04	0.0	1.98e-05
3993	44	0.33	-1.53	-1.16	1.46e-04	0.0	1.76e-05
3993	52	0.37	-0.23	-1.18	6.08e-05	0.0	2.01e-05
3993	80	0.26	-0.69	-0.88	7.96e-05	0.0	1.43e-05
3993	88	0.23	-1.02	-0.83	9.86e-05	0.0	1.28e-05
3993	92	0.26	-0.16	-0.84	4.19e-05	0.0	1.45e-05
3993	98	0.22	-0.13	-0.71	3.32e-05	0.0	1.29e-05
3993	105	0.21	-0.30	-0.70	4.37e-05	0.0	1.24e-05
3993	107	0.21	-0.12	-0.68	3.11e-05	0.0	1.24e-05
3993	112	9.30	7.83	-0.25	1.23e-04	0.0	-5.41e-04
3993	139	-4.88	-10.20	-1.28	7.23e-04	0.0	3.55e-04
3993	144	10.45	8.84	-0.20	1.35e-04	0.0	-6.11e-04
3993	171	-5.54	-11.48	-1.36	8.09e-04	0.0	4.00e-04
3993	176	10.48	8.74	-0.21	1.24e-04	0.0	-6.06e-04
3993	203	-5.65	-11.46	-1.35	8.01e-04	0.0	4.03e-04
3993	208	12.29	10.23	-0.13	1.35e-04	0.0	-7.12e-04
3993	235	-6.77	-13.44	-1.47	9.31e-04	0.0	4.79e-04
3994	28	0.42	-1.08	-1.17	9.15e-05	9.54e-05	-4.15e-06
3994	44	0.37	-1.60	-1.10	1.22e-04	8.57e-05	-3.13e-06
3994	52	0.42	-0.25	-1.11	3.60e-05	9.57e-05	-4.15e-06
3994	80	0.30	-0.73	-0.83	6.14e-05	6.79e-05	-2.66e-06
3994	88	0.27	-1.07	-0.78	8.19e-05	6.14e-05	-1.98e-06
3994	92	0.30	-0.17	-0.79	2.44e-05	6.80e-05	-2.66e-06
3994	98	0.25	-0.14	-0.66	1.82e-05	5.75e-05	-1.76e-06

3994	105	0.24	-0.32	-0.65	2.92e-05	5.53e-05	-1.53e-06
3994	107	0.24	-0.13	-0.63	1.68e-05	5.53e-05	-1.53e-06
3994	112	9.60	8.31	-0.07	1.01e-04	5.66e-04	-5.65e-04
3994	135	-5.34	-10.57	-1.26	4.84e-04	-2.56e-04	3.40e-04
3994	139	-5.01	-10.64	-1.26	6.35e-04	-2.29e-04	3.49e-04
3994	144	10.79	9.37	-2.38e-03	1.12e-04	6.30e-04	-6.36e-04
3994	171	-5.69	-11.97	-1.34	7.13e-04	-2.65e-04	3.95e-04
3994	176	10.81	9.26	-3.26e-03	1.01e-04	6.26e-04	-6.31e-04
3994	203	-5.79	-11.96	-1.34	7.04e-04	-2.66e-04	3.98e-04
3994	208	12.68	10.85	0.11	1.11e-04	7.24e-04	-7.39e-04
3994	235	-6.95	-14.03	-1.47	8.20e-04	-3.24e-04	4.75e-04
3995	28	0.42	-1.08	-1.26	1.02e-04	0.0	-2.16e-06
3995	44	0.37	-1.60	-1.18	1.31e-04	0.0	-1.40e-06
3995	52	0.42	-0.25	-1.20	4.69e-05	0.0	-2.88e-06
3995	80	0.30	-0.73	-0.90	6.87e-05	0.0	-1.51e-06
3995	88	0.26	-1.07	-0.84	8.82e-05	0.0	-1.01e-06
3995	92	0.30	-0.17	-0.86	3.21e-05	0.0	-1.99e-06
3995	98	0.25	-0.14	-0.72	2.48e-05	0.0	-1.49e-06
3995	105	0.24	-0.32	-0.71	3.54e-05	0.0	-1.27e-06
3995	107	0.24	-0.13	-0.70	2.32e-05	0.0	-1.43e-06
3995	112	9.60	8.04	-0.26	1.09e-04	0.0	-5.31e-04
3995	139	-5.01	-10.56	-1.30	6.78e-04	0.0	3.33e-04
3995	144	10.79	9.08	-0.20	1.19e-04	0.0	-5.98e-04
3995	171	-5.69	-11.88	-1.37	7.59e-04	0.0	3.76e-04
3995	176	10.81	8.97	-0.21	1.09e-04	0.0	-5.92e-04
3995	203	-5.79	-11.86	-1.37	7.51e-04	0.0	3.77e-04
3995	208	12.68	10.50	-0.13	1.19e-04	0.0	-6.93e-04
3995	235	-6.95	-13.91	-1.48	8.74e-04	0.0	4.49e-04
3996	28	0.47	-1.12	-1.18	8.94e-05	9.66e-05	-1.17e-05
3996	44	0.41	-1.66	-1.11	1.19e-04	8.60e-05	-9.83e-06
3996	52	0.47	-0.26	-1.12	3.64e-05	9.67e-05	-1.19e-05
3996	80	0.33	-0.75	-0.84	6.00e-05	6.83e-05	-8.05e-06
3996	88	0.30	-1.11	-0.79	7.95e-05	6.12e-05	-6.82e-06
3996	92	0.33	-0.18	-0.79	2.47e-05	6.84e-05	-8.17e-06
3996	98	0.28	-0.15	-0.67	1.84e-05	5.71e-05	-6.46e-06
3996	105	0.27	-0.33	-0.65	2.89e-05	5.47e-05	-6.03e-06
3996	107	0.27	-0.14	-0.64	1.71e-05	5.48e-05	-6.07e-06
3996	112	9.88	8.51	-0.08	1.05e-04	5.25e-04	-5.74e-04
3996	139	-5.12	-10.97	-1.26	6.27e-04	-2.06e-04	3.50e-04
3996	144	11.10	9.60	-0.01	1.16e-04	5.85e-04	-6.46e-04
3996	171	-5.82	-12.34	-1.34	7.04e-04	-2.39e-04	3.96e-04
3996	176	11.13	9.49	-0.01	1.05e-04	5.81e-04	-6.40e-04
3996	203	-5.92	-12.32	-1.35	6.96e-04	-2.40e-04	3.98e-04
3996	208	13.05	11.10	0.10	1.16e-04	6.71e-04	-7.49e-04
3996	235	-7.11	-14.46	-1.47	8.11e-04	-2.94e-04	4.76e-04
3997	28	0.47	-1.13	-1.28	9.57e-05	0.0	-1.19e-05
3997	44	0.41	-1.66	-1.19	1.24e-04	0.0	-9.74e-06
3997	52	0.47	-0.27	-1.21	4.30e-05	0.0	-1.31e-05
3997	80	0.33	-0.76	-0.90	6.46e-05	0.0	-8.46e-06
3997	88	0.30	-1.11	-0.85	8.35e-05	0.0	-7.03e-06
3997	92	0.33	-0.19	-0.86	2.94e-05	0.0	-9.25e-06
3997	98	0.28	-0.15	-0.73	2.26e-05	0.0	-7.73e-06
3997	105	0.27	-0.33	-0.72	3.28e-05	0.0	-7.17e-06
3997	107	0.27	-0.14	-0.70	2.11e-05	0.0	-7.43e-06
3997	112	9.88	8.24	-0.26	1.01e-04	0.0	-4.25e-04
3997	139	-5.12	-10.90	-1.30	6.34e-04	0.0	-4.38e-05
3997	144	11.10	9.30	-0.21	1.11e-04	0.0	-4.78e-04
3997	171	-5.82	-12.26	-1.38	7.11e-04	0.0	-4.79e-05
3997	176	11.13	9.19	-0.21	1.01e-04	0.0	-4.73e-04
3997	203	-5.93	-12.24	-1.38	7.03e-04	0.0	-4.04e-05
3997	208	13.05	10.76	-0.13	1.11e-04	0.0	-5.52e-04
3997	235	-7.11	-14.35	-1.49	8.19e-04	0.0	-4.08e-05
3998	28	0.52	-1.17	-1.19	9.00e-05	9.98e-05	-1.57e-05
3998	44	0.46	-1.72	-1.12	1.17e-04	8.80e-05	-1.34e-05
3998	52	0.52	-0.28	-1.13	3.97e-05	9.98e-05	-1.59e-05
3998	80	0.37	-0.79	-0.84	6.05e-05	7.00e-05	-1.09e-05
3998	88	0.33	-1.15	-0.79	7.87e-05	6.22e-05	-9.42e-06
3998	92	0.37	-0.20	-0.80	2.70e-05	7.01e-05	-1.11e-05
3998	98	0.31	-0.16	-0.67	2.04e-05	5.74e-05	-8.97e-06
3998	105	0.30	-0.34	-0.66	3.02e-05	5.47e-05	-8.45e-06
3998	107	0.30	-0.15	-0.64	1.90e-05	5.47e-05	-8.50e-06
3998	112	10.14	8.70	-0.09	1.05e-04	4.70e-04	-5.82e-04
3998	139	-5.22	-11.29	-1.27	6.16e-04	-1.75e-04	3.50e-04
3998	144	11.39	9.82	-0.02	1.16e-04	5.23e-04	-6.54e-04
3998	171	-5.94	-12.70	-1.35	6.91e-04	-2.04e-04	3.97e-04

3998	176	11.42	9.70	-0.02	1.06e-04	5.19e-04	-6.47e-04
3998	203	-6.04	-12.68	-1.35	6.84e-04	-2.05e-04	3.99e-04
3998	208	13.38	11.35	0.09	1.16e-04	5.99e-04	-7.56e-04
3998	235	-7.26	-14.87	-1.48	7.96e-04	-2.53e-04	4.76e-04
3999	28	0.52	-1.18	-1.28	9.68e-05	0.0	-1.88e-05
3999	44	0.46	-1.72	-1.20	1.24e-04	0.0	-1.60e-05
3999	52	0.52	-0.29	-1.22	4.64e-05	0.0	-2.00e-05
3999	80	0.37	-0.79	-0.91	6.55e-05	0.0	-1.34e-05
3999	88	0.33	-1.16	-0.85	8.34e-05	0.0	-1.16e-05
3999	92	0.37	-0.20	-0.87	3.19e-05	0.0	-1.43e-05
3999	98	0.31	-0.16	-0.73	2.48e-05	0.0	-1.21e-05
3999	105	0.30	-0.35	-0.72	3.45e-05	0.0	-1.14e-05
3999	107	0.30	-0.15	-0.71	2.33e-05	0.0	-1.16e-05
3999	112	10.14	8.43	-0.26	1.00e-04	0.0	-4.37e-04
3999	139	-5.22	-11.22	-1.31	5.97e-04	0.0	-4.69e-05
3999	144	11.39	9.51	-0.21	1.10e-04	0.0	-4.91e-04
3999	171	-5.94	-12.62	-1.39	6.69e-04	0.0	-5.09e-05
3999	176	11.42	9.39	-0.21	1.01e-04	0.0	-4.86e-04
3999	203	-6.04	-12.59	-1.38	6.63e-04	0.0	-4.35e-05
3999	208	13.38	11.00	-0.13	1.10e-04	0.0	-5.66e-04
3999	235	-7.26	-14.76	-1.50	7.71e-04	0.0	-4.36e-05
4000	28	0.37	-1.02	-1.41	1.13e-04	0.0	2.13e-06
4000	44	0.33	-1.52	-1.32	1.40e-04	0.0	1.10e-06
4000	52	0.37	-0.22	-1.35	5.78e-05	0.0	2.71e-06
4000	80	0.26	-0.69	-1.00	7.64e-05	0.0	1.46e-06
4000	88	0.23	-1.02	-0.94	9.48e-05	0.0	0.0
4000	92	0.26	-0.15	-0.96	3.97e-05	0.0	1.85e-06
4000	98	0.22	-0.13	-0.82	3.13e-05	0.0	1.63e-06
4000	105	0.21	-0.30	-0.81	4.15e-05	0.0	1.35e-06
4000	107	0.21	-0.12	-0.79	2.93e-05	0.0	1.48e-06
4000	112	9.30	7.57	-0.87	1.16e-04	0.0	-5.25e-04
4000	139	-4.89	-10.09	-1.39	7.64e-04	0.0	3.29e-04
4000	144	10.45	8.54	-0.88	1.27e-04	0.0	-5.92e-04
4000	171	-5.55	-11.36	-1.46	8.56e-04	0.0	3.72e-04
4000	176	10.48	8.44	-0.87	1.16e-04	0.0	-5.85e-04
4000	203	-5.65	-11.33	-1.46	8.46e-04	0.0	3.73e-04
4000	208	12.30	9.88	-0.87	1.25e-04	0.0	-6.85e-04
4000	235	-6.78	-13.29	-1.57	9.83e-04	0.0	4.44e-04
4001	28	0.42	-1.08	-1.42	1.09e-04	0.0	-4.01e-06
4001	44	0.37	-1.60	-1.32	1.36e-04	0.0	-3.55e-06
4001	52	0.42	-0.25	-1.36	5.49e-05	0.0	-4.66e-06
4001	80	0.30	-0.73	-1.01	7.37e-05	0.0	-3.00e-06
4001	88	0.26	-1.07	-0.94	9.22e-05	0.0	-2.68e-06
4001	92	0.30	-0.18	-0.97	3.78e-05	0.0	-3.42e-06
4001	98	0.25	-0.14	-0.83	2.97e-05	0.0	-2.92e-06
4001	105	0.24	-0.32	-0.81	3.98e-05	0.0	-2.77e-06
4001	107	0.24	-0.13	-0.80	2.79e-05	0.0	-2.91e-06
4001	112	9.60	7.79	-0.87	1.09e-04	0.0	-5.24e-04
4001	139	-5.01	-10.48	-1.39	7.13e-04	0.0	3.25e-04
4001	144	10.78	8.79	-0.88	1.19e-04	0.0	-5.90e-04
4001	171	-5.69	-11.79	-1.47	7.99e-04	0.0	3.68e-04
4001	176	10.81	8.68	-0.87	1.09e-04	0.0	-5.83e-04
4001	203	-5.79	-11.77	-1.46	7.90e-04	0.0	3.68e-04
4001	208	12.68	10.16	-0.88	1.18e-04	0.0	-6.81e-04
4001	235	-6.95	-13.79	-1.57	9.19e-04	0.0	4.38e-04
4002	28	0.47	-1.13	-1.42	1.05e-04	0.0	-1.22e-05
4002	44	0.41	-1.67	-1.33	1.33e-04	0.0	-1.04e-05
4002	52	0.47	-0.28	-1.36	5.31e-05	0.0	-1.35e-05
4002	80	0.33	-0.76	-1.01	7.15e-05	0.0	-8.87e-06
4002	88	0.30	-1.12	-0.95	8.97e-05	0.0	-7.68e-06
4002	92	0.33	-0.19	-0.97	3.67e-05	0.0	-9.72e-06
4002	98	0.28	-0.16	-0.83	2.88e-05	0.0	-8.31e-06
4002	105	0.27	-0.34	-0.81	3.87e-05	0.0	-7.83e-06
4002	107	0.27	-0.15	-0.80	2.71e-05	0.0	-8.11e-06
4002	112	9.88	7.99	-0.87	1.01e-04	0.0	-4.18e-04
4002	139	-5.12	-10.83	-1.39	6.47e-04	0.0	-4.33e-05
4002	144	11.10	9.01	-0.88	1.10e-04	0.0	-4.70e-04
4002	171	-5.82	-12.19	-1.47	7.24e-04	0.0	-4.73e-05
4002	176	11.13	8.90	-0.87	1.01e-04	0.0	-4.65e-04
4002	203	-5.93	-12.16	-1.46	7.17e-04	0.0	-4.00e-05
4002	208	13.05	10.42	-0.88	1.09e-04	0.0	-5.42e-04
4002	235	-7.11	-14.25	-1.57	8.33e-04	0.0	-4.04e-05
4003	28	0.52	-1.19	-1.42	1.06e-04	0.0	-2.05e-05
4003	44	0.46	-1.73	-1.33	1.33e-04	0.0	-1.79e-05
4003	52	0.52	-0.31	-1.36	5.55e-05	0.0	-2.18e-05

4003	80	0.37	-0.80	-1.01	7.22e-05	0.0	-1.48e-05
4003	88	0.33	-1.16	-0.95	8.98e-05	0.0	-1.31e-05
4003	92	0.37	-0.21	-0.97	3.85e-05	0.0	-1.57e-05
4003	98	0.31	-0.17	-0.83	3.03e-05	0.0	-1.34e-05
4003	105	0.30	-0.36	-0.81	4.00e-05	0.0	-1.28e-05
4003	107	0.30	-0.16	-0.80	2.87e-05	0.0	-1.30e-05
4003	112	10.14	8.16	-0.87	9.46e-05	0.0	-4.31e-04
4003	139	-5.22	-11.15	-1.40	5.78e-04	0.0	-4.75e-05
4003	144	11.40	9.22	-0.88	1.03e-04	0.0	-4.84e-04
4003	171	-5.94	-12.54	-1.47	6.47e-04	0.0	-5.14e-05
4003	176	11.42	9.10	-0.87	9.51e-05	0.0	-4.79e-04
4003	203	-6.04	-12.51	-1.46	6.41e-04	0.0	-4.42e-05
4003	208	13.38	10.65	-0.88	1.03e-04	0.0	-5.57e-04
4003	235	-7.26	-14.66	-1.57	7.45e-04	0.0	-4.44e-05
4004	28	0.37	-1.02	-1.58	1.12e-04	0.0	-6.09e-06
4004	44	0.33	-1.53	-1.47	1.39e-04	0.0	-6.57e-06
4004	52	0.37	-0.22	-1.52	5.90e-05	0.0	-5.21e-06
4004	80	0.26	-0.69	-1.12	7.63e-05	0.0	-4.43e-06
4004	88	0.23	-1.02	-1.05	9.42e-05	0.0	-4.75e-06
4004	92	0.26	-0.16	-1.08	4.06e-05	0.0	-3.85e-06
4004	98	0.22	-0.13	-0.93	3.20e-05	0.0	-3.38e-06
4004	105	0.21	-0.30	-0.91	4.19e-05	0.0	-3.56e-06
4004	107	0.21	-0.12	-0.90	3.01e-05	0.0	-3.36e-06
4004	112	9.30	7.30	-0.95	1.12e-04	0.0	-5.26e-04
4004	133	-0.29	-6.98	-1.51	7.99e-04	0.0	3.38e-05
4004	139	-4.89	-9.99	-1.38	8.00e-04	0.0	3.22e-04
4004	144	10.46	8.24	-0.96	1.23e-04	0.0	-5.92e-04
4004	165	-0.35	-7.85	-1.58	8.95e-04	0.0	3.88e-05
4004	171	-5.55	-11.24	-1.44	8.97e-04	0.0	3.64e-04
4004	176	10.48	8.14	-0.94	1.11e-04	0.0	-5.84e-04
4004	197	-0.37	-7.82	-1.57	8.83e-04	0.0	3.93e-05
4004	203	-5.66	-11.21	-1.44	8.86e-04	0.0	3.66e-04
4004	208	12.30	9.53	-0.94	1.20e-04	0.0	-6.83e-04
4004	229	-0.49	-9.12	-1.68	1.02e-03	0.0	4.88e-05
4004	235	-6.78	-13.14	-1.53	1.03e-03	0.0	4.36e-04
4005	28	0.42	-1.08	-1.58	1.13e-04	0.0	-8.69e-06
4005	44	0.37	-1.60	-1.47	1.39e-04	0.0	-8.25e-06
4005	52	0.42	-0.26	-1.52	5.97e-05	0.0	-8.89e-06
4005	80	0.30	-0.73	-1.13	7.65e-05	0.0	-6.38e-06
4005	88	0.26	-1.07	-1.05	9.43e-05	0.0	-6.09e-06
4005	92	0.30	-0.18	-1.09	4.13e-05	0.0	-6.51e-06
4005	98	0.25	-0.14	-0.93	3.26e-05	0.0	-5.68e-06
4005	105	0.24	-0.32	-0.91	4.25e-05	0.0	-5.57e-06
4005	107	0.24	-0.14	-0.90	3.07e-05	0.0	-5.61e-06
4005	112	9.60	7.53	-0.95	1.06e-04	0.0	-5.26e-04
4005	133	-0.28	-7.30	-1.51	7.37e-04	0.0	3.26e-05
4005	139	-5.01	-10.40	-1.38	7.39e-04	0.0	3.20e-04
4005	144	10.78	8.49	-0.96	1.15e-04	0.0	-5.91e-04
4005	165	-0.34	-8.21	-1.58	8.25e-04	0.0	3.76e-05
4005	171	-5.69	-11.69	-1.44	8.27e-04	0.0	3.62e-04
4005	176	10.81	8.39	-0.94	1.05e-04	0.0	-5.84e-04
4005	197	-0.36	-8.18	-1.57	8.14e-04	0.0	3.70e-05
4005	203	-5.79	-11.66	-1.44	8.18e-04	0.0	3.63e-04
4005	208	12.68	9.82	-0.94	1.14e-04	0.0	-6.82e-04
4005	229	-0.48	-9.53	-1.68	9.43e-04	0.0	4.58e-05
4005	235	-6.95	-13.66	-1.53	9.50e-04	0.0	4.32e-04
4006	28	0.47	-1.14	-1.58	1.12e-04	0.0	-1.39e-05
4006	44	0.41	-1.67	-1.47	1.39e-04	0.0	-1.25e-05
4006	52	0.47	-0.29	-1.52	6.04e-05	0.0	-1.47e-05
4006	80	0.33	-0.77	-1.13	7.65e-05	0.0	-1.01e-05
4006	88	0.30	-1.12	-1.05	9.40e-05	0.0	-9.24e-06
4006	92	0.33	-0.20	-1.09	4.18e-05	0.0	-1.07e-05
4006	98	0.28	-0.16	-0.93	3.32e-05	0.0	-9.24e-06
4006	105	0.27	-0.34	-0.91	4.29e-05	0.0	-8.87e-06
4006	107	0.27	-0.15	-0.90	3.13e-05	0.0	-9.06e-06
4006	112	9.88	7.73	-0.95	9.67e-05	0.0	-5.33e-04
4006	133	-0.26	-7.59	-1.51	6.51e-04	0.0	3.14e-05
4006	139	-5.12	-10.76	-1.38	6.54e-04	0.0	3.21e-04
4006	144	11.10	8.72	-0.96	1.05e-04	0.0	-5.99e-04
4006	165	-0.34	-8.53	-1.58	7.28e-04	0.0	3.67e-05
4006	171	-5.82	-12.10	-1.44	7.32e-04	0.0	3.64e-04
4006	176	11.13	8.61	-0.94	9.64e-05	0.0	-5.91e-04
4006	197	-0.35	-8.50	-1.57	7.19e-04	0.0	3.54e-05
4006	203	-5.93	-12.07	-1.44	7.24e-04	0.0	3.63e-04
4006	208	13.05	10.08	-0.94	1.04e-04	0.0	-6.89e-04

4006	229	-0.47	-9.90	-1.68	8.32e-04	0.0	4.42e-05
4006	235	-7.11	-14.13	-1.53	8.40e-04	0.0	4.33e-04
4007	28	0.52	-1.20	-1.58	1.13e-04	0.0	-2.01e-05
4007	44	0.46	-1.74	-1.47	1.39e-04	0.0	-1.81e-05
4007	52	0.52	-0.32	-1.52	6.19e-05	0.0	-2.10e-05
4007	80	0.37	-0.81	-1.13	7.69e-05	0.0	-1.46e-05
4007	88	0.33	-1.17	-1.05	9.43e-05	0.0	-1.33e-05
4007	92	0.37	-0.22	-1.09	4.30e-05	0.0	-1.52e-05
4007	98	0.31	-0.18	-0.93	3.42e-05	0.0	-1.30e-05
4007	105	0.30	-0.36	-0.91	4.37e-05	0.0	-1.25e-05
4007	107	0.30	-0.17	-0.90	3.24e-05	0.0	-1.27e-05
4007	112	10.15	7.90	-0.95	8.69e-05	0.0	-5.47e-04
4007	133	-0.25	-7.84	-1.51	5.58e-04	0.0	2.79e-05
4007	139	-5.22	-11.08	-1.38	5.61e-04	0.0	3.24e-04
4007	144	11.40	8.91	-0.96	9.37e-05	0.0	-6.15e-04
4007	165	-0.32	-8.81	-1.58	6.23e-04	0.0	3.32e-05
4007	171	-5.94	-12.45	-1.44	6.28e-04	0.0	3.67e-04
4007	176	11.42	8.80	-0.95	8.67e-05	0.0	-6.06e-04
4007	197	-0.34	-8.77	-1.57	6.15e-04	0.0	3.21e-05
4007	203	-6.05	-12.42	-1.44	6.22e-04	0.0	3.67e-04
4007	208	13.39	10.30	-0.94	9.31e-05	0.0	-7.06e-04
4007	229	-0.46	-10.22	-1.68	7.12e-04	0.0	4.11e-05
4007	235	-7.26	-14.54	-1.53	7.21e-04	0.0	4.38e-04
4008	28	0.37	-1.03	-1.73	1.14e-04	0.0	-9.52e-06
4008	44	0.33	-1.53	-1.61	1.41e-04	0.0	-9.83e-06
4008	52	0.37	-0.23	-1.67	6.20e-05	0.0	-8.37e-06
4008	80	0.26	-0.69	-1.24	7.78e-05	0.0	-6.87e-06
4008	88	0.23	-1.03	-1.16	9.52e-05	0.0	-7.08e-06
4008	92	0.26	-0.16	-1.20	4.29e-05	0.0	-6.10e-06
4008	98	0.22	-0.13	-1.03	3.40e-05	0.0	-5.35e-06
4008	105	0.21	-0.30	-1.01	4.36e-05	0.0	-5.50e-06
4008	107	0.21	-0.12	-1.00	3.20e-05	0.0	-5.25e-06
4008	112	9.30	7.03	-1.07	1.09e-04	0.0	-5.31e-04
4008	133	-0.29	-7.04	-1.64	8.26e-04	0.0	3.32e-05
4008	139	-4.89	-9.88	-1.50	8.27e-04	0.0	3.23e-04
4008	144	10.46	7.93	-1.08	1.18e-04	0.0	-5.98e-04
4008	165	-0.36	-7.91	-1.71	9.25e-04	0.0	3.84e-05
4008	171	-5.56	-11.12	-1.56	9.27e-04	0.0	3.66e-04
4008	176	10.49	7.84	-1.06	1.07e-04	0.0	-5.90e-04
4008	197	-0.37	-7.87	-1.70	9.13e-04	0.0	3.91e-05
4008	203	-5.66	-11.09	-1.56	9.16e-04	0.0	3.67e-04
4008	208	12.30	9.18	-1.07	1.15e-04	0.0	-6.89e-04
4008	229	-0.49	-9.18	-1.81	1.06e-03	0.0	4.92e-05
4008	235	-6.78	-12.99	-1.66	1.06e-03	0.0	4.38e-04
4009	28	0.42	-1.09	-1.73	1.16e-04	0.0	-1.20e-05
4009	44	0.37	-1.61	-1.61	1.42e-04	0.0	-1.16e-05
4009	52	0.42	-0.26	-1.68	6.35e-05	0.0	-1.17e-05
4009	80	0.30	-0.73	-1.24	7.87e-05	0.0	-8.73e-06
4009	88	0.26	-1.08	-1.16	9.60e-05	0.0	-8.49e-06
4009	92	0.30	-0.18	-1.20	4.40e-05	0.0	-8.50e-06
4009	98	0.25	-0.15	-1.03	3.50e-05	0.0	-7.43e-06
4009	105	0.24	-0.32	-1.01	4.46e-05	0.0	-7.37e-06
4009	107	0.24	-0.14	-1.00	3.30e-05	0.0	-7.30e-06
4009	112	9.60	7.26	-1.07	1.01e-04	0.0	-5.34e-04
4009	133	-0.28	-7.37	-1.64	7.53e-04	0.0	3.10e-05
4009	139	-5.01	-10.30	-1.50	7.55e-04	0.0	3.22e-04
4009	144	10.78	8.19	-1.08	1.10e-04	0.0	-6.01e-04
4009	165	-0.35	-8.28	-1.72	8.43e-04	0.0	3.62e-05
4009	171	-5.69	-11.59	-1.57	8.45e-04	0.0	3.65e-04
4009	176	10.81	8.09	-1.07	9.97e-05	0.0	-5.93e-04
4009	197	-0.36	-8.24	-1.70	8.32e-04	0.0	3.61e-05
4009	203	-5.79	-11.55	-1.56	8.36e-04	0.0	3.65e-04
4009	208	12.68	9.47	-1.07	1.07e-04	0.0	-6.92e-04
4009	229	-0.48	-9.61	-1.81	9.64e-04	0.0	4.55e-05
4009	235	-6.95	-13.52	-1.66	9.70e-04	0.0	4.36e-04
4010	28	0.47	-1.15	-1.74	1.16e-04	0.0	-1.54e-05
4010	44	0.41	-1.68	-1.61	1.42e-04	0.0	-1.45e-05
4010	52	0.47	-0.30	-1.68	6.49e-05	0.0	-1.56e-05
4010	80	0.33	-0.78	-1.24	7.95e-05	0.0	-1.12e-05
4010	88	0.30	-1.13	-1.16	9.67e-05	0.0	-1.06e-05
4010	92	0.33	-0.21	-1.20	4.51e-05	0.0	-1.13e-05
4010	98	0.28	-0.17	-1.03	3.59e-05	0.0	-9.86e-06
4010	105	0.27	-0.35	-1.01	4.55e-05	0.0	-9.64e-06
4010	107	0.27	-0.16	-1.00	3.40e-05	0.0	-9.67e-06
4010	112	9.88	7.46	-1.07	9.00e-05	0.0	-5.43e-04

4010	133	-0.26	-7.67	-1.64	6.53e-04	0.0	2.97e-05
4010	139	-5.12	-10.67	-1.50	6.55e-04	0.0	3.25e-04
4010	144	11.10	8.42	-1.08	9.70e-05	0.0	-6.11e-04
4010	165	-0.34	-8.61	-1.72	7.30e-04	0.0	3.49e-05
4010	171	-5.82	-12.00	-1.57	7.33e-04	0.0	3.68e-04
4010	176	11.13	8.31	-1.07	8.89e-05	0.0	-6.02e-04
4010	197	-0.35	-8.57	-1.70	7.20e-04	0.0	3.44e-05
4010	203	-5.93	-11.96	-1.56	7.25e-04	0.0	3.68e-04
4010	208	13.05	9.73	-1.07	9.48e-05	0.0	-7.02e-04
4010	229	-0.47	-9.99	-1.81	8.33e-04	0.0	4.37e-05
4010	235	-7.11	-14.00	-1.66	8.41e-04	0.0	4.39e-04
4011	28	0.52	-1.21	-1.74	1.17e-04	0.0	-1.94e-05
4011	44	0.46	-1.75	-1.61	1.43e-04	0.0	-1.80e-05
4011	52	0.52	-0.33	-1.68	6.58e-05	0.0	-1.97e-05
4011	80	0.37	-0.82	-1.24	7.99e-05	0.0	-1.41e-05
4011	88	0.33	-1.18	-1.16	9.70e-05	0.0	-1.31e-05
4011	92	0.37	-0.23	-1.20	4.58e-05	0.0	-1.42e-05
4011	98	0.31	-0.19	-1.03	3.66e-05	0.0	-1.23e-05
4011	105	0.30	-0.37	-1.01	4.61e-05	0.0	-1.20e-05
4011	107	0.30	-0.18	-1.00	3.47e-05	0.0	-1.21e-05
4011	112	10.15	7.62	-1.07	7.74e-05	0.0	-5.58e-04
4011	133	-0.25	-7.91	-1.64	5.42e-04	0.0	2.81e-05
4011	139	-5.23	-10.98	-1.50	5.46e-04	0.0	3.30e-04
4011	144	11.40	8.60	-1.08	8.28e-05	0.0	-6.27e-04
4011	165	-0.32	-8.89	-1.72	6.06e-04	0.0	3.35e-05
4011	171	-5.94	-12.35	-1.57	6.10e-04	0.0	3.74e-04
4011	176	11.42	8.49	-1.07	7.65e-05	0.0	-6.18e-04
4011	197	-0.34	-8.85	-1.70	5.98e-04	0.0	3.31e-05
4011	203	-6.05	-12.31	-1.57	6.04e-04	0.0	3.74e-04
4011	208	13.39	9.94	-1.07	8.10e-05	0.0	-7.20e-04
4011	229	-0.46	-10.31	-1.81	6.91e-04	0.0	4.28e-05
4011	235	-7.26	-14.40	-1.66	7.00e-04	0.0	4.47e-04
4012	28	0.37	-1.03	-1.88	1.17e-04	0.0	-1.07e-05
4012	44	0.32	-1.54	-1.75	1.43e-04	0.0	-1.10e-05
4012	52	0.37	-0.23	-1.82	6.57e-05	0.0	-9.31e-06
4012	80	0.26	-0.70	-1.34	8.00e-05	0.0	-7.69e-06
4012	88	0.23	-1.03	-1.25	9.70e-05	0.0	-7.90e-06
4012	92	0.26	-0.16	-1.30	4.56e-05	0.0	-6.76e-06
4012	98	0.22	-0.13	-1.13	3.64e-05	0.0	-5.92e-06
4012	105	0.21	-0.30	-1.10	4.58e-05	0.0	-6.09e-06
4012	107	0.21	-0.13	-1.09	3.44e-05	0.0	-5.78e-06
4012	112	9.30	6.75	-1.22	1.03e-04	0.0	-5.38e-04
4012	133	-0.29	-7.09	-1.77	8.42e-04	0.0	3.43e-05
4012	139	-4.90	-9.77	-1.61	8.43e-04	0.0	3.27e-04
4012	144	10.46	7.62	-1.23	1.12e-04	0.0	-6.05e-04
4012	165	-0.36	-7.96	-1.85	9.43e-04	0.0	3.97e-05
4012	171	-5.56	-10.99	-1.67	9.44e-04	0.0	3.70e-04
4012	176	10.49	7.53	-1.22	1.01e-04	0.0	-5.97e-04
4012	197	-0.37	-7.92	-1.84	9.31e-04	0.0	4.08e-05
4012	203	-5.66	-10.95	-1.67	9.33e-04	0.0	3.72e-04
4012	208	12.31	8.82	-1.23	1.08e-04	0.0	-6.97e-04
4012	229	-0.49	-9.23	-1.95	1.08e-03	0.0	5.14e-05
4012	235	-6.79	-12.82	-1.77	1.08e-03	0.0	4.43e-04
4013	28	0.42	-1.10	-1.88	1.18e-04	0.0	-1.35e-05
4013	44	0.37	-1.61	-1.75	1.44e-04	0.0	-1.33e-05
4013	52	0.42	-0.27	-1.82	6.70e-05	0.0	-1.27e-05
4013	80	0.30	-0.74	-1.34	8.09e-05	0.0	-9.75e-06
4013	88	0.26	-1.08	-1.25	9.78e-05	0.0	-9.62e-06
4013	92	0.30	-0.19	-1.30	4.65e-05	0.0	-9.20e-06
4013	98	0.25	-0.15	-1.13	3.72e-05	0.0	-8.04e-06
4013	105	0.24	-0.33	-1.10	4.66e-05	0.0	-8.06e-06
4013	107	0.24	-0.14	-1.09	3.52e-05	0.0	-7.87e-06
4013	112	9.60	6.98	-1.22	9.43e-05	0.0	-5.45e-04
4013	133	-0.28	-7.43	-1.77	7.62e-04	0.0	3.22e-05
4013	139	-5.01	-10.20	-1.61	7.63e-04	0.0	3.28e-04
4013	144	10.79	7.88	-1.23	1.02e-04	0.0	-6.13e-04
4013	165	-0.35	-8.34	-1.85	8.53e-04	0.0	3.76e-05
4013	171	-5.69	-11.47	-1.67	8.54e-04	0.0	3.72e-04
4013	176	10.81	7.79	-1.22	9.24e-05	0.0	-6.05e-04
4013	197	-0.36	-8.30	-1.84	8.42e-04	0.0	3.81e-05
4013	203	-5.79	-11.43	-1.67	8.45e-04	0.0	3.72e-04
4013	208	12.68	9.12	-1.23	9.82e-05	0.0	-7.05e-04
4013	229	-0.48	-9.67	-1.96	9.74e-04	0.0	4.83e-05
4013	235	-6.95	-13.37	-1.77	9.80e-04	0.0	4.44e-04
4014	28	0.47	-1.16	-1.88	1.19e-04	0.0	-1.63e-05

4014	44	0.41	-1.69	-1.75	1.45e-04	0.0	-1.56e-05
4014	52	0.47	-0.30	-1.82	6.81e-05	0.0	-1.58e-05
4014	80	0.33	-0.78	-1.34	8.16e-05	0.0	-1.18e-05
4014	88	0.30	-1.13	-1.25	9.85e-05	0.0	-1.14e-05
4014	92	0.33	-0.21	-1.30	4.74e-05	0.0	-1.15e-05
4014	98	0.28	-0.17	-1.13	3.79e-05	0.0	-1.00e-05
4014	105	0.27	-0.35	-1.10	4.74e-05	0.0	-9.90e-06
4014	107	0.27	-0.16	-1.09	3.60e-05	0.0	-9.80e-06
4014	112	9.88	7.18	-1.22	8.18e-05	0.0	-5.56e-04
4014	133	-0.26	-7.73	-1.77	6.51e-04	0.0	3.11e-05
4014	139	-5.12	-10.57	-1.61	6.53e-04	0.0	3.32e-04
4014	144	11.11	8.10	-1.23	8.75e-05	0.0	-6.25e-04
4014	165	-0.34	-8.68	-1.85	7.28e-04	0.0	3.66e-05
4014	171	-5.82	-11.89	-1.67	7.30e-04	0.0	3.76e-04
4014	176	11.13	8.00	-1.22	8.00e-05	0.0	-6.16e-04
4014	197	-0.35	-8.64	-1.84	7.18e-04	0.0	3.68e-05
4014	203	-5.93	-11.84	-1.67	7.22e-04	0.0	3.77e-04
4014	208	13.05	9.37	-1.23	8.43e-05	0.0	-7.18e-04
4014	229	-0.47	-10.06	-1.96	8.30e-04	0.0	4.71e-05
4014	235	-7.11	-13.85	-1.77	8.38e-04	0.0	4.50e-04
4015	28	0.52	-1.22	-1.88	1.20e-04	0.0	-1.91e-05
4015	44	0.46	-1.76	-1.75	1.45e-04	0.0	-1.81e-05
4015	52	0.52	-0.34	-1.82	6.87e-05	0.0	-1.87e-05
4015	80	0.37	-0.82	-1.34	8.20e-05	0.0	-1.38e-05
4015	88	0.33	-1.19	-1.25	9.89e-05	0.0	-1.31e-05
4015	92	0.37	-0.24	-1.31	4.79e-05	0.0	-1.36e-05
4015	98	0.31	-0.19	-1.13	3.84e-05	0.0	-1.18e-05
4015	105	0.30	-0.38	-1.10	4.78e-05	0.0	-1.16e-05
4015	107	0.30	-0.18	-1.09	3.64e-05	0.0	-1.15e-05
4015	112	10.15	7.33	-1.22	6.79e-05	0.0	-5.70e-04
4015	133	-0.25	-7.98	-1.77	5.29e-04	0.0	3.07e-05
4015	139	-5.23	-10.88	-1.61	5.32e-04	0.0	3.39e-04
4015	144	11.41	8.28	-1.23	7.18e-05	0.0	-6.41e-04
4015	165	-0.32	-8.96	-1.85	5.90e-04	0.0	3.64e-05
4015	171	-5.94	-12.23	-1.67	5.94e-04	0.0	3.84e-04
4015	176	11.43	8.17	-1.22	6.61e-05	0.0	-6.31e-04
4015	197	-0.34	-8.91	-1.84	5.83e-04	0.0	3.68e-05
4015	203	-6.05	-12.18	-1.67	5.89e-04	0.0	3.84e-04
4015	208	13.40	9.57	-1.23	6.88e-05	0.0	-7.36e-04
4015	229	-0.47	-10.38	-1.96	6.73e-04	0.0	4.75e-05
4015	235	-7.26	-14.25	-1.77	6.82e-04	0.0	4.59e-04
4016	28	0.37	-1.04	-2.02	1.21e-04	0.0	-1.09e-05
4016	44	0.32	-1.54	-1.87	1.46e-04	0.0	-1.13e-05
4016	52	0.37	-0.24	-1.96	6.96e-05	0.0	-9.31e-06
4016	80	0.26	-0.70	-1.44	8.25e-05	0.0	-7.81e-06
4016	88	0.23	-1.04	-1.34	9.91e-05	0.0	-8.07e-06
4016	92	0.26	-0.17	-1.40	4.84e-05	0.0	-6.75e-06
4016	98	0.22	-0.14	-1.21	3.88e-05	0.0	-5.91e-06
4016	105	0.21	-0.31	-1.18	4.81e-05	0.0	-6.11e-06
4016	107	0.21	-0.13	-1.17	3.68e-05	0.0	-5.76e-06
4016	112	9.31	6.48	-1.37	9.51e-05	0.0	-5.43e-04
4016	133	-0.29	-7.13	-1.89	8.49e-04	0.0	3.58e-05
4016	139	-4.90	-9.66	-1.70	8.50e-04	0.0	3.31e-04
4016	144	10.46	7.31	-1.39	1.02e-04	0.0	-6.11e-04
4016	165	-0.36	-8.01	-1.99	9.51e-04	0.0	4.14e-05
4016	171	-5.56	-10.86	-1.76	9.52e-04	0.0	3.75e-04
4016	176	10.49	7.22	-1.38	9.26e-05	0.0	-6.03e-04
4016	197	-0.38	-7.97	-1.97	9.38e-04	0.0	4.27e-05
4016	203	-5.66	-10.82	-1.76	9.40e-04	0.0	3.76e-04
4016	208	12.31	8.46	-1.40	9.80e-05	0.0	-7.04e-04
4016	229	-0.49	-9.28	-2.10	1.09e-03	0.0	5.37e-05
4016	235	-6.79	-12.66	-1.86	1.09e-03	0.0	4.49e-04
4017	28	0.42	-1.10	-2.02	1.21e-04	0.0	-1.39e-05
4017	44	0.37	-1.62	-1.87	1.46e-04	0.0	-1.38e-05
4017	52	0.42	-0.28	-1.96	7.03e-05	0.0	-1.26e-05
4017	80	0.29	-0.74	-1.44	8.30e-05	0.0	-9.99e-06
4017	88	0.26	-1.09	-1.34	9.97e-05	0.0	-9.97e-06
4017	92	0.30	-0.19	-1.40	4.89e-05	0.0	-9.17e-06
4017	98	0.25	-0.16	-1.21	3.93e-05	0.0	-8.02e-06
4017	105	0.24	-0.33	-1.18	4.86e-05	0.0	-8.11e-06
4017	107	0.24	-0.15	-1.17	3.72e-05	0.0	-7.83e-06
4017	112	9.60	6.70	-1.37	8.58e-05	0.0	-5.54e-04
4017	133	-0.28	-7.48	-1.89	7.64e-04	0.0	3.44e-05
4017	139	-5.01	-10.09	-1.70	7.66e-04	0.0	3.35e-04
4017	144	10.79	7.56	-1.39	9.18e-05	0.0	-6.23e-04

4017	165	-0.35	-8.40	-1.99	8.55e-04	0.0	4.02e-05
4017	171	-5.69	-11.34	-1.76	8.57e-04	0.0	3.79e-04
4017	176	10.81	7.47	-1.38	8.32e-05	0.0	-6.15e-04
4017	197	-0.36	-8.35	-1.97	8.44e-04	0.0	4.10e-05
4017	203	-5.79	-11.29	-1.76	8.47e-04	0.0	3.80e-04
4017	208	12.68	8.75	-1.41	8.75e-05	0.0	-7.17e-04
4017	229	-0.48	-9.73	-2.10	9.77e-04	0.0	5.21e-05
4017	235	-6.95	-13.21	-1.86	9.82e-04	0.0	4.54e-04
4018	28	0.47	-1.17	-2.02	1.22e-04	0.0	-1.65e-05
4018	44	0.41	-1.70	-1.87	1.47e-04	0.0	-1.61e-05
4018	52	0.47	-0.31	-1.96	7.10e-05	0.0	-1.56e-05
4018	80	0.33	-0.79	-1.44	8.36e-05	0.0	-1.19e-05
4018	88	0.29	-1.14	-1.34	1.00e-04	0.0	-1.17e-05
4018	92	0.33	-0.22	-1.40	4.95e-05	0.0	-1.13e-05
4018	98	0.28	-0.18	-1.21	3.98e-05	0.0	-9.87e-06
4018	105	0.27	-0.36	-1.18	4.91e-05	0.0	-9.85e-06
4018	107	0.27	-0.17	-1.17	3.77e-05	0.0	-9.63e-06
4018	112	9.89	6.89	-1.37	7.30e-05	0.0	-5.67e-04
4018	133	-0.27	-7.78	-1.90	6.47e-04	0.0	3.38e-05
4018	139	-5.13	-10.46	-1.70	6.49e-04	0.0	3.41e-04
4018	144	11.11	7.78	-1.39	7.74e-05	0.0	-6.37e-04
4018	165	-0.34	-8.74	-1.99	7.23e-04	0.0	3.97e-05
4018	171	-5.82	-11.76	-1.76	7.25e-04	0.0	3.86e-04
4018	176	11.13	7.68	-1.38	7.04e-05	0.0	-6.28e-04
4018	197	-0.35	-8.69	-1.97	7.13e-04	0.0	4.04e-05
4018	203	-5.93	-11.70	-1.76	7.17e-04	0.0	3.86e-04
4018	208	13.05	8.99	-1.41	7.31e-05	0.0	-7.32e-04
4018	229	-0.47	-10.12	-2.10	8.24e-04	0.0	5.16e-05
4018	235	-7.12	-13.69	-1.86	8.31e-04	0.0	4.61e-04
4019	28	0.52	-1.23	-2.02	1.23e-04	0.0	-1.90e-05
4019	44	0.46	-1.77	-1.87	1.48e-04	0.0	-1.83e-05
4019	52	0.52	-0.35	-1.96	7.14e-05	0.0	-1.82e-05
4019	80	0.37	-0.83	-1.44	8.39e-05	0.0	-1.37e-05
4019	88	0.33	-1.19	-1.34	1.01e-04	0.0	-1.32e-05
4019	92	0.37	-0.24	-1.40	4.98e-05	0.0	-1.32e-05
4019	98	0.31	-0.20	-1.21	4.01e-05	0.0	-1.15e-05
4019	105	0.30	-0.38	-1.18	4.94e-05	0.0	-1.14e-05
4019	107	0.30	-0.19	-1.17	3.80e-05	0.0	-1.12e-05
4019	112	10.16	7.03	-1.37	5.89e-05	0.0	-5.81e-04
4019	133	-0.25	-8.03	-1.90	5.18e-04	0.0	3.39e-05
4019	139	-5.23	-10.76	-1.70	5.21e-04	0.0	3.47e-04
4019	144	11.41	7.94	-1.39	6.16e-05	0.0	-6.53e-04
4019	165	-0.33	-9.02	-1.99	5.78e-04	0.0	4.00e-05
4019	171	-5.95	-12.10	-1.76	5.82e-04	0.0	3.94e-04
4019	176	11.44	7.84	-1.38	5.64e-05	0.0	-6.43e-04
4019	197	-0.34	-8.97	-1.97	5.70e-04	0.0	4.09e-05
4019	203	-6.05	-12.04	-1.76	5.76e-04	0.0	3.94e-04
4019	208	13.40	9.18	-1.41	5.74e-05	0.0	-7.50e-04
4019	229	-0.47	-10.44	-2.10	6.58e-04	0.0	5.26e-05
4019	235	-7.27	-14.08	-1.86	6.66e-04	0.0	4.71e-04
4020	28	0.37	-1.05	-2.14	1.24e-04	0.0	-1.08e-05
4020	44	0.32	-1.55	-1.98	1.49e-04	0.0	-1.13e-05
4020	52	0.37	-0.24	-2.08	7.32e-05	0.0	-9.03e-06
4020	80	0.26	-0.71	-1.53	8.50e-05	0.0	-7.71e-06
4020	88	0.23	-1.04	-1.42	1.01e-04	0.0	-8.04e-06
4020	92	0.26	-0.17	-1.49	5.11e-05	0.0	-6.54e-06
4020	98	0.22	-0.14	-1.29	4.11e-05	0.0	-5.72e-06
4020	105	0.21	-0.31	-1.26	5.04e-05	0.0	-5.96e-06
4020	107	0.21	-0.13	-1.24	3.90e-05	0.0	-5.57e-06
4020	112	9.31	6.19	-1.52	8.46e-05	0.0	-5.46e-04
4020	133	-0.29	-7.18	-2.02	8.50e-04	0.0	3.69e-05
4020	139	-4.90	-9.54	-1.78	8.51e-04	0.0	3.34e-04
4020	144	10.46	6.99	-1.55	9.03e-05	0.0	-6.15e-04
4020	165	-0.36	-8.06	-2.11	9.52e-04	0.0	4.27e-05
4020	171	-5.56	-10.73	-1.84	9.53e-04	0.0	3.78e-04
4020	176	10.49	6.91	-1.54	8.13e-05	0.0	-6.06e-04
4020	197	-0.38	-8.01	-2.10	9.39e-04	0.0	4.40e-05
4020	203	-5.66	-10.68	-1.84	9.41e-04	0.0	3.79e-04
4020	208	12.31	8.09	-1.58	8.48e-05	0.0	-7.08e-04
4020	229	-0.49	-9.33	-2.24	1.09e-03	0.0	5.54e-05
4020	235	-6.79	-12.49	-1.93	1.09e-03	0.0	4.53e-04
4021	28	0.42	-1.11	-2.14	1.24e-04	0.0	-1.38e-05
4021	44	0.37	-1.63	-1.98	1.49e-04	0.0	-1.39e-05
4021	52	0.42	-0.28	-2.09	7.36e-05	0.0	-1.23e-05
4021	80	0.29	-0.75	-1.53	8.52e-05	0.0	-9.90e-06

4021	88	0.26	-1.09	-1.42	1.02e-04	0.0	-9.98e-06
4021	92	0.30	-0.20	-1.49	5.13e-05	0.0	-8.88e-06
4021	98	0.25	-0.16	-1.29	4.13e-05	0.0	-7.78e-06
4021	105	0.24	-0.34	-1.26	5.06e-05	0.0	-7.92e-06
4021	107	0.24	-0.15	-1.24	3.93e-05	0.0	-7.58e-06
4021	112	9.60	6.41	-1.52	7.59e-05	0.0	-5.60e-04
4021	133	-0.28	-7.53	-2.02	7.62e-04	0.0	3.62e-05
4021	139	-5.01	-9.97	-1.78	7.64e-04	0.0	3.40e-04
4021	144	10.79	7.24	-1.55	8.05e-05	0.0	-6.30e-04
4021	165	-0.35	-8.46	-2.12	8.53e-04	0.0	4.22e-05
4021	171	-5.69	-11.21	-1.84	8.54e-04	0.0	3.85e-04
4021	176	10.81	7.15	-1.54	7.26e-05	0.0	-6.22e-04
4021	197	-0.36	-8.40	-2.10	8.42e-04	0.0	4.33e-05
4021	203	-5.80	-11.15	-1.84	8.44e-04	0.0	3.86e-04
4021	208	12.68	8.37	-1.58	7.50e-05	0.0	-7.25e-04
4021	229	-0.48	-9.78	-2.24	9.74e-04	0.0	5.48e-05
4021	235	-6.95	-13.04	-1.93	9.79e-04	0.0	4.61e-04
4022	28	0.47	-1.18	-2.14	1.25e-04	0.0	-1.65e-05
4022	44	0.41	-1.71	-1.98	1.49e-04	0.0	-1.63e-05
4022	52	0.47	-0.32	-2.09	7.39e-05	0.0	-1.52e-05
4022	80	0.33	-0.80	-1.53	8.55e-05	0.0	-1.19e-05
4022	88	0.29	-1.15	-1.42	1.02e-04	0.0	-1.17e-05
4022	92	0.33	-0.22	-1.49	5.16e-05	0.0	-1.10e-05
4022	98	0.28	-0.18	-1.29	4.16e-05	0.0	-9.63e-06
4022	105	0.27	-0.36	-1.26	5.08e-05	0.0	-9.68e-06
4022	107	0.27	-0.17	-1.24	3.95e-05	0.0	-9.38e-06
4022	112	9.89	6.59	-1.52	6.38e-05	0.0	-5.75e-04
4022	133	-0.27	-7.83	-2.02	6.41e-04	0.0	3.60e-05
4022	139	-5.13	-10.34	-1.78	6.43e-04	0.0	3.47e-04
4022	144	11.11	7.45	-1.55	6.69e-05	0.0	-6.46e-04
4022	165	-0.34	-8.80	-2.12	7.16e-04	0.0	4.22e-05
4022	171	-5.83	-11.62	-1.84	7.19e-04	0.0	3.92e-04
4022	176	11.13	7.35	-1.54	6.06e-05	0.0	-6.37e-04
4022	197	-0.35	-8.74	-2.10	7.07e-04	0.0	4.32e-05
4022	203	-5.93	-11.56	-1.84	7.11e-04	0.0	3.93e-04
4022	208	13.05	8.61	-1.58	6.15e-05	0.0	-7.42e-04
4022	229	-0.47	-10.17	-2.24	8.17e-04	0.0	5.50e-05
4022	235	-7.12	-13.51	-1.93	8.23e-04	0.0	4.69e-04
4023	28	0.51	-1.24	-2.14	1.25e-04	0.0	-1.91e-05
4023	44	0.46	-1.78	-1.98	1.50e-04	0.0	-1.85e-05
4023	52	0.52	-0.36	-2.09	7.42e-05	0.0	-1.79e-05
4023	80	0.36	-0.84	-1.53	8.58e-05	0.0	-1.37e-05
4023	88	0.33	-1.20	-1.42	1.02e-04	0.0	-1.33e-05
4023	92	0.37	-0.25	-1.49	5.18e-05	0.0	-1.29e-05
4023	98	0.31	-0.20	-1.29	4.18e-05	0.0	-1.13e-05
4023	105	0.30	-0.39	-1.26	5.10e-05	0.0	-1.13e-05
4023	107	0.30	-0.19	-1.24	3.97e-05	0.0	-1.10e-05
4023	112	10.17	6.73	-1.52	5.07e-05	0.0	-5.89e-04
4023	133	-0.25	-8.08	-2.02	5.08e-04	0.0	3.62e-05
4023	139	-5.24	-10.64	-1.78	5.11e-04	0.0	3.54e-04
4023	144	11.42	7.60	-1.55	5.21e-05	0.0	-6.62e-04
4023	165	-0.33	-9.08	-2.12	5.67e-04	0.0	4.26e-05
4023	171	-5.95	-11.96	-1.84	5.71e-04	0.0	4.01e-04
4023	176	11.44	7.50	-1.54	4.75e-05	0.0	-6.52e-04
4023	197	-0.34	-9.02	-2.10	5.60e-04	0.0	4.38e-05
4023	203	-6.06	-11.90	-1.84	5.65e-04	0.0	4.01e-04
4023	208	13.41	8.79	-1.58	4.69e-05	0.0	-7.60e-04
4023	229	-0.47	-10.49	-2.24	6.45e-04	0.0	5.61e-05
4023	235	-7.27	-13.90	-1.93	6.53e-04	0.0	4.79e-04
4024	28	0.37	-1.05	-2.26	1.27e-04	0.0	-1.07e-05
4024	44	0.32	-1.56	-2.08	1.52e-04	0.0	-1.12e-05
4024	52	0.37	-0.25	-2.20	7.68e-05	0.0	-8.78e-06
4024	80	0.26	-0.71	-1.61	8.74e-05	0.0	-7.61e-06
4024	88	0.23	-1.05	-1.50	1.04e-04	0.0	-7.98e-06
4024	92	0.26	-0.17	-1.57	5.36e-05	0.0	-6.35e-06
4024	98	0.22	-0.14	-1.35	4.34e-05	0.0	-5.56e-06
4024	105	0.21	-0.31	-1.32	5.25e-05	0.0	-5.83e-06
4024	107	0.21	-0.14	-1.31	4.12e-05	0.0	-5.41e-06
4024	112	9.31	5.91	-1.66	7.29e-05	0.0	-5.48e-04
4024	133	-0.29	-7.22	-2.13	8.49e-04	0.0	3.74e-05
4024	139	-4.90	-9.42	-1.84	8.49e-04	0.0	3.35e-04
4024	144	10.46	6.67	-1.71	7.69e-05	0.0	-6.17e-04
4024	165	-0.36	-8.11	-2.24	9.50e-04	0.0	4.32e-05
4024	171	-5.56	-10.59	-1.91	9.51e-04	0.0	3.79e-04
4024	176	10.49	6.59	-1.69	6.88e-05	0.0	-6.08e-04

4024	197	-0.38	-8.06	-2.22	9.37e-04	0.0	4.46e-05
4024	203	-5.66	-10.54	-1.90	9.39e-04	0.0	3.81e-04
4024	208	12.31	7.72	-1.76	7.02e-05	0.0	-7.11e-04
4024	229	-0.49	-9.38	-2.37	1.08e-03	0.0	5.60e-05
4024	235	-6.79	-12.32	-2.00	1.09e-03	0.0	4.55e-04
4025	28	0.42	-1.12	-2.26	1.28e-04	0.0	-1.36e-05
4025	44	0.37	-1.64	-2.08	1.52e-04	0.0	-1.38e-05
4025	52	0.42	-0.29	-2.20	7.68e-05	0.0	-1.19e-05
4025	80	0.29	-0.76	-1.61	8.75e-05	0.0	-9.75e-06
4025	88	0.26	-1.10	-1.50	1.04e-04	0.0	-9.90e-06
4025	92	0.30	-0.20	-1.57	5.37e-05	0.0	-8.59e-06
4025	98	0.25	-0.17	-1.35	4.34e-05	0.0	-7.53e-06
4025	105	0.24	-0.34	-1.32	5.25e-05	0.0	-7.71e-06
4025	107	0.24	-0.16	-1.31	4.13e-05	0.0	-7.32e-06
4025	112	9.60	6.12	-1.66	6.51e-05	0.0	-5.64e-04
4025	133	-0.28	-7.58	-2.13	7.59e-04	0.0	3.71e-05
4025	139	-5.01	-9.85	-1.84	7.60e-04	0.0	3.43e-04
4025	144	10.79	6.91	-1.71	6.81e-05	0.0	-6.34e-04
4025	165	-0.35	-8.51	-2.24	8.49e-04	0.0	4.31e-05
4025	171	-5.69	-11.07	-1.91	8.50e-04	0.0	3.88e-04
4025	176	10.81	6.83	-1.69	6.10e-05	0.0	-6.25e-04
4025	197	-0.36	-8.45	-2.22	8.38e-04	0.0	4.42e-05
4025	203	-5.80	-11.01	-1.90	8.40e-04	0.0	3.89e-04
4025	208	12.68	8.00	-1.76	6.14e-05	0.0	-7.29e-04
4025	229	-0.48	-9.84	-2.37	9.68e-04	0.0	5.59e-05
4025	235	-6.95	-12.87	-2.00	9.73e-04	0.0	4.64e-04
4026	28	0.46	-1.19	-2.26	1.28e-04	0.0	-1.64e-05
4026	44	0.41	-1.72	-2.08	1.52e-04	0.0	-1.63e-05
4026	52	0.47	-0.33	-2.20	7.69e-05	0.0	-1.48e-05
4026	80	0.33	-0.80	-1.61	8.76e-05	0.0	-1.18e-05
4026	88	0.29	-1.15	-1.50	1.04e-04	0.0	-1.17e-05
4026	92	0.33	-0.23	-1.57	5.37e-05	0.0	-1.07e-05
4026	98	0.28	-0.19	-1.35	4.35e-05	0.0	-9.39e-06
4026	105	0.27	-0.37	-1.32	5.26e-05	0.0	-9.48e-06
4026	107	0.27	-0.18	-1.31	4.13e-05	0.0	-9.13e-06
4026	112	9.89	6.29	-1.66	5.44e-05	0.0	-5.78e-04
4026	133	-0.27	-7.89	-2.13	6.35e-04	0.0	3.70e-05
4026	139	-5.13	-10.22	-1.84	6.37e-04	0.0	3.49e-04
4026	144	11.11	7.11	-1.71	5.61e-05	0.0	-6.50e-04
4026	165	-0.34	-8.85	-2.24	7.09e-04	0.0	4.32e-05
4026	171	-5.83	-11.48	-1.91	7.11e-04	0.0	3.96e-04
4026	176	11.13	7.02	-1.70	5.04e-05	0.0	-6.41e-04
4026	197	-0.35	-8.79	-2.22	7.00e-04	0.0	4.43e-05
4026	203	-5.93	-11.42	-1.90	7.03e-04	0.0	3.97e-04
4026	208	13.06	8.22	-1.76	4.96e-05	0.0	-7.47e-04
4026	229	-0.47	-10.23	-2.37	8.08e-04	0.0	5.63e-05
4026	235	-7.12	-13.34	-2.00	8.14e-04	0.0	4.73e-04
4027	28	0.51	-1.25	-2.26	1.28e-04	0.0	-1.91e-05
4027	44	0.46	-1.80	-2.08	1.52e-04	0.0	-1.86e-05
4027	52	0.52	-0.37	-2.20	7.70e-05	0.0	-1.76e-05
4027	80	0.36	-0.85	-1.61	8.77e-05	0.0	-1.37e-05
4027	88	0.33	-1.21	-1.50	1.04e-04	0.0	-1.34e-05
4027	92	0.37	-0.26	-1.57	5.38e-05	0.0	-1.27e-05
4027	98	0.31	-0.21	-1.35	4.35e-05	0.0	-1.11e-05
4027	105	0.30	-0.40	-1.32	5.27e-05	0.0	-1.12e-05
4027	107	0.30	-0.20	-1.31	4.14e-05	0.0	-1.08e-05
4027	112	10.18	6.42	-1.66	4.29e-05	0.0	-5.92e-04
4027	133	-0.25	-8.13	-2.14	5.00e-04	0.0	3.72e-05
4027	139	-5.24	-10.51	-1.84	5.03e-04	0.0	3.56e-04
4027	144	11.43	7.26	-1.71	4.32e-05	0.0	-6.66e-04
4027	165	-0.33	-9.13	-2.24	5.57e-04	0.0	4.37e-05
4027	171	-5.96	-11.81	-1.91	5.61e-04	0.0	4.04e-04
4027	176	11.46	7.16	-1.70	3.91e-05	0.0	-6.56e-04
4027	197	-0.34	-9.07	-2.22	5.50e-04	0.0	4.48e-05
4027	203	-6.07	-11.75	-1.90	5.55e-04	0.0	4.05e-04
4027	208	13.43	8.39	-1.76	3.70e-05	0.0	-7.65e-04
4027	229	-0.47	-10.55	-2.37	6.34e-04	0.0	5.73e-05
4027	235	-7.28	-13.72	-2.00	6.41e-04	0.0	4.83e-04
4028	28	0.37	-1.06	-2.36	1.31e-04	0.0	-1.06e-05
4028	44	0.32	-1.56	-2.17	1.54e-04	0.0	-1.12e-05
4028	52	0.37	-0.25	-2.30	8.00e-05	0.0	-8.66e-06
4028	80	0.26	-0.71	-1.68	8.96e-05	0.0	-7.54e-06
4028	88	0.23	-1.05	-1.56	1.06e-04	0.0	-7.93e-06
4028	92	0.26	-0.18	-1.64	5.59e-05	0.0	-6.25e-06
4028	98	0.22	-0.15	-1.41	4.54e-05	0.0	-5.48e-06

4028	105	0.21	-0.32	-1.37	5.44e-05	0.0	-5.75e-06
4028	107	0.21	-0.14	-1.36	4.32e-05	0.0	-5.32e-06
4028	112	9.31	5.63	-1.80	6.02e-05	0.0	-5.49e-04
4028	133	-0.29	-7.27	-2.24	8.47e-04	0.0	3.75e-05
4028	139	-4.90	-9.30	-1.90	8.48e-04	0.0	3.36e-04
4028	144	10.46	6.35	-1.86	6.24e-05	0.0	-6.17e-04
4028	165	-0.36	-8.17	-2.35	9.48e-04	0.0	4.33e-05
4028	171	-5.56	-10.46	-1.97	9.48e-04	0.0	3.80e-04
4028	176	10.49	6.28	-1.85	5.52e-05	0.0	-6.09e-04
4028	197	-0.38	-8.11	-2.34	9.35e-04	0.0	4.47e-05
4028	203	-5.67	-10.40	-1.96	9.37e-04	0.0	3.82e-04
4028	208	12.31	7.35	-1.93	5.43e-05	0.0	-7.12e-04
4028	229	-0.49	-9.43	-2.49	1.08e-03	0.0	5.61e-05
4028	235	-6.79	-12.15	-2.05	1.09e-03	0.0	4.56e-04
4029	28	0.42	-1.13	-2.36	1.31e-04	0.0	-1.35e-05
4029	44	0.37	-1.64	-2.17	1.54e-04	0.0	-1.38e-05
4029	52	0.42	-0.30	-2.30	8.00e-05	0.0	-1.16e-05
4029	80	0.29	-0.76	-1.68	8.97e-05	0.0	-9.62e-06
4029	88	0.26	-1.11	-1.56	1.06e-04	0.0	-9.82e-06
4029	92	0.30	-0.21	-1.64	5.59e-05	0.0	-8.38e-06
4029	98	0.25	-0.17	-1.41	4.54e-05	0.0	-7.35e-06
4029	105	0.24	-0.35	-1.38	5.45e-05	0.0	-7.55e-06
4029	107	0.24	-0.16	-1.36	4.32e-05	0.0	-7.14e-06
4029	112	9.60	5.83	-1.80	5.37e-05	0.0	-5.64e-04
4029	133	-0.28	-7.63	-2.24	7.56e-04	0.0	3.71e-05
4029	139	-5.01	-9.73	-1.90	7.57e-04	0.0	3.43e-04
4029	144	10.79	6.59	-1.86	5.51e-05	0.0	-6.35e-04
4029	165	-0.35	-8.57	-2.35	8.45e-04	0.0	4.31e-05
4029	171	-5.69	-10.93	-1.97	8.46e-04	0.0	3.88e-04
4029	176	10.81	6.50	-1.85	4.88e-05	0.0	-6.26e-04
4029	197	-0.36	-8.50	-2.34	8.34e-04	0.0	4.42e-05
4029	203	-5.80	-10.87	-1.96	8.36e-04	0.0	3.89e-04
4029	208	12.68	7.62	-1.93	4.72e-05	0.0	-7.30e-04
4029	229	-0.48	-9.89	-2.49	9.64e-04	0.0	5.58e-05
4029	235	-6.95	-12.70	-2.06	9.68e-04	0.0	4.65e-04
4030	28	0.46	-1.20	-2.36	1.31e-04	0.0	-1.63e-05
4030	44	0.41	-1.72	-2.17	1.55e-04	0.0	-1.62e-05
4030	52	0.47	-0.34	-2.30	8.00e-05	0.0	-1.45e-05
4030	80	0.33	-0.81	-1.68	8.97e-05	0.0	-1.16e-05
4030	88	0.29	-1.16	-1.56	1.06e-04	0.0	-1.16e-05
4030	92	0.33	-0.24	-1.64	5.59e-05	0.0	-1.05e-05
4030	98	0.28	-0.19	-1.41	4.54e-05	0.0	-9.18e-06
4030	105	0.27	-0.37	-1.38	5.45e-05	0.0	-9.31e-06
4030	107	0.27	-0.18	-1.36	4.32e-05	0.0	-8.92e-06
4030	112	9.89	6.00	-1.80	4.49e-05	0.0	-5.78e-04
4030	133	-0.27	-7.94	-2.24	6.29e-04	0.0	3.66e-05
4030	139	-5.13	-10.09	-1.90	6.31e-04	0.0	3.49e-04
4030	144	11.11	6.77	-1.86	4.51e-05	0.0	-6.50e-04
4030	165	-0.34	-8.91	-2.35	7.02e-04	0.0	4.28e-05
4030	171	-5.83	-11.34	-1.97	7.04e-04	0.0	3.96e-04
4030	176	11.13	6.69	-1.85	4.01e-05	0.0	-6.41e-04
4030	197	-0.35	-8.84	-2.34	6.93e-04	0.0	4.37e-05
4030	203	-5.93	-11.28	-1.96	6.96e-04	0.0	3.96e-04
4030	208	13.06	7.83	-1.93	3.76e-05	0.0	-7.47e-04
4030	229	-0.47	-10.29	-2.49	8.00e-04	0.0	5.55e-05
4030	235	-7.12	-13.16	-2.06	8.05e-04	0.0	4.73e-04
4031	28	0.51	-1.26	-2.36	1.31e-04	0.0	-1.90e-05
4031	44	0.45	-1.81	-2.17	1.55e-04	0.0	-1.86e-05
4031	52	0.51	-0.38	-2.30	8.00e-05	0.0	-1.73e-05
4031	80	0.36	-0.86	-1.68	8.97e-05	0.0	-1.36e-05
4031	88	0.32	-1.22	-1.56	1.06e-04	0.0	-1.34e-05
4031	92	0.36	-0.27	-1.64	5.59e-05	0.0	-1.25e-05
4031	98	0.31	-0.22	-1.41	4.54e-05	0.0	-1.10e-05
4031	105	0.29	-0.40	-1.38	5.45e-05	0.0	-1.10e-05
4031	107	0.30	-0.21	-1.36	4.32e-05	0.0	-1.07e-05
4031	112	10.19	6.12	-1.80	3.55e-05	0.0	-5.93e-04
4031	133	-0.26	-8.19	-2.24	4.91e-04	0.0	3.67e-05
4031	139	-5.25	-10.39	-1.90	4.94e-04	0.0	3.56e-04
4031	144	11.45	6.91	-1.86	3.46e-05	0.0	-6.66e-04
4031	165	-0.33	-9.19	-2.35	5.47e-04	0.0	4.31e-05
4031	171	-5.97	-11.67	-1.97	5.50e-04	0.0	4.04e-04
4031	176	11.47	6.82	-1.84	3.10e-05	0.0	-6.56e-04
4031	197	-0.35	-9.12	-2.34	5.40e-04	0.0	4.41e-05
4031	203	-6.07	-11.60	-1.96	5.45e-04	0.0	4.04e-04
4031	208	13.44	8.00	-1.92	2.75e-05	0.0	-7.65e-04

4031	229	-0.47	-10.60	-2.49	6.22e-04	0.0	5.64e-05
4031	235	-7.29	-13.54	-2.06	6.28e-04	0.0	4.83e-04
4032	28	0.37	-1.06	-2.45	1.34e-04	0.0	-1.06e-05
4032	44	0.32	-1.57	-2.25	1.57e-04	0.0	-1.11e-05
4032	52	0.37	-0.26	-2.39	8.30e-05	0.0	-8.61e-06
4032	80	0.26	-0.72	-1.75	9.18e-05	0.0	-7.51e-06
4032	88	0.23	-1.05	-1.61	1.08e-04	0.0	-7.90e-06
4032	92	0.26	-0.18	-1.71	5.81e-05	0.0	-6.22e-06
4032	98	0.22	-0.15	-1.46	4.73e-05	0.0	-5.45e-06
4032	105	0.21	-0.32	-1.42	5.63e-05	0.0	-5.72e-06
4032	107	0.21	-0.14	-1.41	4.51e-05	0.0	-5.29e-06
4032	112	9.31	5.35	-1.93	4.67e-05	0.0	-5.49e-04
4032	113	7.53	0.49	-2.36	4.88e-04	0.0	-4.35e-04
4032	139	-4.90	-9.19	-1.95	8.48e-04	0.0	3.36e-04
4032	144	10.46	6.04	-1.99	4.70e-05	0.0	-6.18e-04
4032	145	8.46	0.57	-2.48	5.44e-04	0.0	-4.90e-04
4032	171	-5.56	-10.32	-2.02	9.48e-04	0.0	3.80e-04
4032	176	10.49	5.96	-1.98	4.07e-05	0.0	-6.10e-04
4032	177	8.47	0.54	-2.46	5.31e-04	0.0	-4.82e-04
4032	203	-5.67	-10.26	-2.01	9.37e-04	0.0	3.82e-04
4032	208	12.31	6.98	-2.08	3.74e-05	0.0	-7.12e-04
4032	209	9.93	0.66	-2.63	6.09e-04	0.0	-5.61e-04
4032	235	-6.79	-11.98	-2.10	1.09e-03	0.0	4.56e-04
4033	28	0.42	-1.13	-2.46	1.34e-04	0.0	-1.34e-05
4033	44	0.37	-1.65	-2.25	1.57e-04	0.0	-1.37e-05
4033	52	0.42	-0.30	-2.40	8.30e-05	0.0	-1.15e-05
4033	80	0.29	-0.77	-1.75	9.18e-05	0.0	-9.56e-06
4033	88	0.26	-1.11	-1.61	1.08e-04	0.0	-9.78e-06
4033	92	0.30	-0.21	-1.71	5.81e-05	0.0	-8.28e-06
4033	98	0.25	-0.17	-1.46	4.73e-05	0.0	-7.26e-06
4033	105	0.24	-0.35	-1.42	5.63e-05	0.0	-7.48e-06
4033	107	0.24	-0.16	-1.41	4.51e-05	0.0	-7.05e-06
4033	112	9.60	5.54	-1.92	4.18e-05	0.0	-5.64e-04
4033	113	7.77	0.46	-2.35	4.33e-04	0.0	-4.48e-04
4033	139	-5.01	-9.61	-1.95	7.56e-04	0.0	3.43e-04
4033	144	10.79	6.26	-1.99	4.14e-05	0.0	-6.35e-04
4033	145	8.72	0.54	-2.47	4.82e-04	0.0	-5.04e-04
4033	171	-5.69	-10.80	-2.02	8.45e-04	0.0	3.88e-04
4033	176	10.81	6.18	-1.98	3.59e-05	0.0	-6.26e-04
4033	177	8.73	0.51	-2.45	4.71e-04	0.0	-4.96e-04
4033	203	-5.80	-10.73	-2.01	8.35e-04	0.0	3.89e-04
4033	208	12.68	7.24	-2.07	3.22e-05	0.0	-7.30e-04
4033	209	10.23	0.63	-2.62	5.39e-04	0.0	-5.76e-04
4033	235	-6.95	-12.53	-2.10	9.67e-04	0.0	4.64e-04
4034	28	0.46	-1.20	-2.46	1.34e-04	0.0	-1.62e-05
4034	44	0.41	-1.73	-2.25	1.57e-04	0.0	-1.62e-05
4034	52	0.47	-0.35	-2.40	8.30e-05	0.0	-1.43e-05
4034	80	0.33	-0.81	-1.75	9.18e-05	0.0	-1.16e-05
4034	88	0.29	-1.17	-1.61	1.07e-04	0.0	-1.16e-05
4034	92	0.33	-0.24	-1.71	5.81e-05	0.0	-1.03e-05
4034	98	0.28	-0.20	-1.46	4.73e-05	0.0	-9.05e-06
4034	105	0.27	-0.38	-1.42	5.63e-05	0.0	-9.20e-06
4034	107	0.27	-0.19	-1.41	4.51e-05	0.0	-8.78e-06
4034	112	9.89	5.70	-1.92	3.50e-05	0.0	-5.77e-04
4034	113	8.00	0.43	-2.35	3.56e-04	0.0	-4.59e-04
4034	139	-5.13	-9.98	-1.95	6.26e-04	0.0	3.48e-04
4034	144	11.11	6.44	-1.99	3.38e-05	0.0	-6.49e-04
4034	145	8.99	0.51	-2.47	3.94e-04	0.0	-5.15e-04
4034	171	-5.83	-11.21	-2.02	6.99e-04	0.0	3.94e-04
4034	176	11.13	6.36	-1.98	2.95e-05	0.0	-6.39e-04
4034	177	9.00	0.48	-2.45	3.86e-04	0.0	-5.07e-04
4034	203	-5.93	-11.14	-2.01	6.91e-04	0.0	3.95e-04
4034	208	13.06	7.45	-2.07	2.50e-05	0.0	-7.46e-04
4034	209	10.54	0.60	-2.62	4.40e-04	0.0	-5.89e-04
4034	235	-7.12	-13.00	-2.10	7.98e-04	0.0	4.71e-04
4035	28	0.51	-1.27	-2.46	1.34e-04	0.0	-1.89e-05
4035	44	0.45	-1.82	-2.26	1.57e-04	0.0	-1.86e-05
4035	52	0.51	-0.39	-2.40	8.30e-05	0.0	-1.71e-05
4035	80	0.36	-0.86	-1.75	9.18e-05	0.0	-1.35e-05
4035	88	0.32	-1.22	-1.62	1.07e-04	0.0	-1.34e-05
4035	92	0.36	-0.27	-1.71	5.81e-05	0.0	-1.23e-05
4035	98	0.31	-0.22	-1.46	4.73e-05	0.0	-1.08e-05
4035	105	0.29	-0.41	-1.42	5.63e-05	0.0	-1.09e-05
4035	107	0.30	-0.21	-1.41	4.51e-05	0.0	-1.05e-05
4035	112	10.21	5.81	-1.93	2.79e-05	0.0	-5.88e-04

4035	113	8.27	0.40	-2.35	2.70e-04	0.0	-4.68e-04
4035	139	-5.26	-10.27	-1.95	4.83e-04	0.0	3.53e-04
4035	144	11.46	6.57	-1.99	2.57e-05	0.0	-6.62e-04
4035	145	9.28	0.48	-2.47	2.99e-04	0.0	-5.26e-04
4035	171	-5.98	-11.53	-2.02	5.38e-04	0.0	4.00e-04
4035	176	11.49	6.49	-1.98	2.27e-05	0.0	-6.52e-04
4035	177	9.29	0.45	-2.45	2.92e-04	0.0	-5.17e-04
4035	203	-6.08	-11.46	-2.01	5.32e-04	0.0	4.00e-04
4035	208	13.47	7.60	-2.07	1.77e-05	0.0	-7.59e-04
4035	209	10.87	0.56	-2.62	3.32e-04	0.0	-6.01e-04
4035	235	-7.30	-13.36	-2.10	6.13e-04	0.0	4.77e-04
4036	28	0.37	-1.07	-2.53	1.36e-04	0.0	-1.05e-05
4036	44	0.32	-1.57	-2.31	1.60e-04	0.0	-1.11e-05
4036	52	0.37	-0.26	-2.47	8.57e-05	0.0	-8.60e-06
4036	80	0.26	-0.72	-1.80	9.38e-05	0.0	-7.50e-06
4036	88	0.23	-1.06	-1.65	1.09e-04	0.0	-7.89e-06
4036	92	0.26	-0.18	-1.76	6.01e-05	0.0	-6.21e-06
4036	98	0.22	-0.15	-1.50	4.91e-05	0.0	-5.44e-06
4036	105	0.21	-0.32	-1.46	5.80e-05	0.0	-5.71e-06
4036	107	0.21	-0.14	-1.44	4.68e-05	0.0	-5.28e-06
4036	112	9.31	5.06	-2.04	3.43e-05	0.0	-5.49e-04
4036	113	7.53	0.23	-2.48	4.78e-04	0.0	-4.36e-04
4036	139	-4.90	-9.07	-1.99	8.49e-04	0.0	3.36e-04
4036	144	10.46	5.72	-2.12	3.28e-05	0.0	-6.18e-04
4036	145	8.46	0.27	-2.61	5.32e-04	0.0	-4.90e-04
4036	171	-5.56	-10.19	-2.06	9.49e-04	0.0	3.80e-04
4036	176	10.49	5.65	-2.11	2.73e-05	0.0	-6.10e-04
4036	177	8.47	0.26	-2.59	5.20e-04	0.0	-4.82e-04
4036	203	-5.67	-10.12	-2.05	9.38e-04	0.0	3.82e-04
4036	208	12.31	6.62	-2.22	2.19e-05	0.0	-7.12e-04
4036	209	9.93	0.33	-2.78	5.96e-04	0.0	-5.61e-04
4036	235	-6.79	-11.81	-2.14	1.09e-03	0.0	4.56e-04
4037	28	0.42	-1.14	-2.53	1.36e-04	0.0	-1.34e-05
4037	44	0.37	-1.66	-2.32	1.60e-04	0.0	-1.37e-05
4037	52	0.42	-0.31	-2.47	8.57e-05	0.0	-1.14e-05
4037	80	0.29	-0.77	-1.80	9.37e-05	0.0	-9.55e-06
4037	88	0.26	-1.12	-1.66	1.09e-04	0.0	-9.77e-06
4037	92	0.30	-0.22	-1.76	6.00e-05	0.0	-8.26e-06
4037	98	0.25	-0.18	-1.50	4.90e-05	0.0	-7.24e-06
4037	105	0.24	-0.35	-1.46	5.79e-05	0.0	-7.46e-06
4037	107	0.24	-0.17	-1.45	4.67e-05	0.0	-7.03e-06
4037	112	9.60	5.25	-2.03	3.09e-05	0.0	-5.64e-04
4037	113	7.77	0.19	-2.47	4.25e-04	0.0	-4.48e-04
4037	139	-5.01	-9.50	-1.99	7.59e-04	0.0	3.43e-04
4037	144	10.79	5.93	-2.11	2.90e-05	0.0	-6.35e-04
4037	145	8.72	0.24	-2.60	4.72e-04	0.0	-5.03e-04
4037	171	-5.69	-10.67	-2.06	8.48e-04	0.0	3.88e-04
4037	176	10.81	5.86	-2.10	2.42e-05	0.0	-6.26e-04
4037	177	8.74	0.22	-2.58	4.62e-04	0.0	-4.96e-04
4037	203	-5.80	-10.60	-2.05	8.38e-04	0.0	3.89e-04
4037	208	12.69	6.86	-2.21	1.85e-05	0.0	-7.30e-04
4037	209	10.23	0.29	-2.77	5.29e-04	0.0	-5.76e-04
4037	235	-6.95	-12.36	-2.14	9.69e-04	0.0	4.64e-04
4038	28	0.46	-1.21	-2.54	1.36e-04	0.0	-1.61e-05
4038	44	0.41	-1.74	-2.33	1.59e-04	0.0	-1.62e-05
4038	52	0.47	-0.35	-2.48	8.56e-05	0.0	-1.42e-05
4038	80	0.33	-0.82	-1.81	9.37e-05	0.0	-1.15e-05
4038	88	0.29	-1.17	-1.66	1.09e-04	0.0	-1.16e-05
4038	92	0.33	-0.25	-1.77	6.00e-05	0.0	-1.03e-05
4038	98	0.28	-0.20	-1.51	4.90e-05	0.0	-9.02e-06
4038	105	0.27	-0.38	-1.46	5.79e-05	0.0	-9.17e-06
4038	107	0.27	-0.19	-1.45	4.67e-05	0.0	-8.75e-06
4038	112	9.88	5.41	-2.02	2.61e-05	0.0	-5.76e-04
4038	113	8.00	0.15	-2.45	3.49e-04	0.0	-4.58e-04
4038	139	-5.12	-9.87	-2.00	6.29e-04	0.0	3.48e-04
4038	144	11.10	6.11	-2.09	2.36e-05	0.0	-6.48e-04
4038	145	8.98	0.20	-2.58	3.87e-04	0.0	-5.15e-04
4038	171	-5.82	-11.08	-2.06	7.02e-04	0.0	3.94e-04
4038	176	11.13	6.03	-2.08	1.98e-05	0.0	-6.39e-04
4038	177	8.99	0.18	-2.56	3.79e-04	0.0	-5.06e-04
4038	203	-5.93	-11.00	-2.05	6.94e-04	0.0	3.94e-04
4038	208	13.05	7.07	-2.18	1.37e-05	0.0	-7.45e-04
4038	209	10.53	0.24	-2.74	4.32e-04	0.0	-5.89e-04
4038	235	-7.11	-12.83	-2.14	8.02e-04	0.0	4.70e-04
4039	28	0.50	-1.29	-2.55	1.36e-04	0.0	-1.88e-05

4039	44	0.45	-1.83	-2.34	1.59e-04	0.0	-1.87e-05
4039	52	0.51	-0.40	-2.49	8.59e-05	0.0	-1.69e-05
4039	80	0.36	-0.87	-1.81	9.37e-05	0.0	-1.35e-05
4039	88	0.32	-1.23	-1.67	1.09e-04	0.0	-1.33e-05
4039	92	0.36	-0.28	-1.77	6.02e-05	0.0	-1.21e-05
4039	98	0.31	-0.23	-1.51	4.91e-05	0.0	-1.06e-05
4039	105	0.29	-0.41	-1.47	5.80e-05	0.0	-1.07e-05
4039	107	0.29	-0.22	-1.45	4.68e-05	0.0	-1.03e-05
4039	112	10.23	5.52	-1.99	2.06e-05	0.0	-5.85e-04
4039	113	8.28	0.11	-2.42	2.56e-04	0.0	-4.66e-04
4039	139	-5.27	-10.16	-2.00	4.69e-04	0.0	3.50e-04
4039	144	11.49	6.24	-2.06	1.73e-05	0.0	-6.58e-04
4039	145	9.30	0.16	-2.54	2.82e-04	0.0	-5.23e-04
4039	171	-5.99	-11.41	-2.06	5.22e-04	0.0	3.97e-04
4039	176	11.51	6.16	-2.04	1.48e-05	0.0	-6.48e-04
4039	177	9.30	0.13	-2.52	2.76e-04	0.0	-5.15e-04
4039	203	-6.10	-11.33	-2.05	5.16e-04	0.0	3.97e-04
4039	208	13.49	7.22	-2.14	8.35e-06	0.0	-7.55e-04
4039	209	10.89	0.20	-2.69	3.13e-04	0.0	-5.98e-04
4039	235	-7.32	-13.21	-2.14	5.94e-04	0.0	4.74e-04
4040	28	0.57	-1.21	-1.20	9.31e-05	1.02e-04	-1.99e-05
4040	44	0.50	-1.77	-1.13	1.18e-04	8.92e-05	-1.75e-05
4040	52	0.57	-0.30	-1.14	4.53e-05	1.02e-04	-2.01e-05
4040	80	0.40	-0.81	-0.85	6.29e-05	7.12e-05	-1.41e-05
4040	88	0.36	-1.19	-0.80	7.96e-05	6.25e-05	-1.26e-05
4040	92	0.40	-0.21	-0.81	3.10e-05	7.11e-05	-1.43e-05
4040	98	0.34	-0.17	-0.68	2.39e-05	5.73e-05	-1.23e-05
4040	105	0.32	-0.36	-0.67	3.30e-05	5.44e-05	-1.18e-05
4040	107	0.32	-0.16	-0.65	2.23e-05	5.44e-05	-1.18e-05
4040	112	10.36	8.88	-0.10	1.07e-04	4.12e-04	-5.96e-04
4040	139	-5.30	-11.59	-1.28	6.07e-04	-1.43e-04	3.53e-04
4040	144	11.63	10.02	-0.03	1.17e-04	4.57e-04	-6.70e-04
4040	171	-6.03	-13.04	-1.36	6.80e-04	-1.68e-04	4.00e-04
4040	176	11.65	9.90	-0.03	1.07e-04	4.54e-04	-6.62e-04
4040	203	-6.13	-13.02	-1.36	6.73e-04	-1.69e-04	4.02e-04
4040	208	13.66	11.58	0.07	1.17e-04	5.23e-04	-7.73e-04
4040	235	-7.37	-15.26	-1.48	7.83e-04	-2.10e-04	4.81e-04
4041	28	0.57	-1.23	-1.29	1.04e-04	0.0	-2.71e-05
4041	44	0.50	-1.79	-1.20	1.29e-04	0.0	-2.42e-05
4041	52	0.57	-0.32	-1.23	5.56e-05	0.0	-2.80e-05
4041	80	0.40	-0.83	-0.91	7.09e-05	0.0	-1.95e-05
4041	88	0.36	-1.20	-0.86	8.75e-05	0.0	-1.75e-05
4041	92	0.40	-0.22	-0.87	3.86e-05	0.0	-2.01e-05
4041	98	0.34	-0.18	-0.74	3.04e-05	0.0	-1.72e-05
4041	105	0.32	-0.37	-0.72	3.96e-05	0.0	-1.64e-05
4041	107	0.32	-0.17	-0.71	2.88e-05	0.0	-1.67e-05
4041	112	10.36	8.59	-0.26	1.04e-04	0.0	-5.72e-04
4041	139	-5.30	-11.50	-1.31	5.66e-04	0.0	3.32e-04
4041	144	11.63	9.70	-0.21	1.13e-04	0.0	-6.42e-04
4041	171	-6.03	-12.94	-1.39	6.33e-04	0.0	3.77e-04
4041	176	11.66	9.58	-0.22	1.05e-04	0.0	-6.34e-04
4041	203	-6.13	-12.91	-1.39	6.27e-04	0.0	3.78e-04
4041	208	13.66	11.21	-0.13	1.14e-04	0.0	-7.39e-04
4041	235	-7.37	-15.13	-1.50	7.29e-04	0.0	4.52e-04
4042	28	0.63	-1.24	-1.22	1.19e-04	9.72e-05	-3.75e-05
4042	44	0.55	-1.81	-1.15	1.41e-04	8.31e-05	-3.42e-05
4042	52	0.63	-0.31	-1.16	7.35e-05	9.75e-05	-3.83e-05
4042	80	0.44	-0.83	-0.87	8.17e-05	6.79e-05	-2.79e-05
4042	88	0.39	-1.21	-0.82	9.63e-05	5.85e-05	-2.57e-05
4042	92	0.44	-0.21	-0.82	5.13e-05	6.81e-05	-2.84e-05
4042	98	0.37	-0.17	-0.69	4.08e-05	5.67e-05	-2.76e-05
4042	105	0.35	-0.36	-0.68	4.91e-05	5.35e-05	-2.69e-05
4042	107	0.35	-0.16	-0.66	3.89e-05	5.36e-05	-2.70e-05
4042	112	10.55	9.07	-0.11	1.27e-04	3.64e-04	-6.27e-04
4042	139	-5.36	-11.88	-1.29	6.05e-04	-1.15e-04	3.51e-04
4042	144	11.84	10.23	-0.05	1.38e-04	4.03e-04	-7.03e-04
4042	171	-6.10	-13.36	-1.37	6.76e-04	-1.36e-04	4.00e-04
4042	176	11.86	10.10	-0.05	1.29e-04	4.01e-04	-6.93e-04
4042	203	-6.21	-13.34	-1.37	6.70e-04	-1.38e-04	4.02e-04
4042	208	13.90	11.82	0.06	1.40e-04	4.61e-04	-8.06e-04
4042	235	-7.46	-15.64	-1.49	7.77e-04	-1.73e-04	4.84e-04
4043	28	0.62	-1.28	-1.29	1.18e-04	0.0	-4.10e-05
4043	44	0.55	-1.85	-1.21	1.41e-04	0.0	-3.81e-05
4043	52	0.62	-0.35	-1.23	7.10e-05	0.0	-4.13e-05
4043	80	0.44	-0.86	-0.92	8.09e-05	0.0	-2.97e-05

4043	88	0.39	-1.24	-0.86	9.64e-05	0.0	-2.78e-05
4043	92	0.44	-0.24	-0.87	4.97e-05	0.0	-2.99e-05
4043	98	0.37	-0.19	-0.74	3.95e-05	0.0	-2.60e-05
4043	105	0.35	-0.39	-0.72	4.81e-05	0.0	-2.53e-05
4043	107	0.35	-0.18	-0.71	3.77e-05	0.0	-2.54e-05
4043	112	10.54	8.74	-0.26	1.11e-04	0.0	-6.05e-04
4043	139	-5.36	-11.77	-1.32	5.43e-04	0.0	3.38e-04
4043	144	11.84	9.87	-0.21	1.20e-04	0.0	-6.78e-04
4043	171	-6.10	-13.24	-1.39	6.06e-04	0.0	3.85e-04
4043	176	11.86	9.74	-0.22	1.13e-04	0.0	-6.69e-04
4043	203	-6.21	-13.21	-1.39	6.01e-04	0.0	3.86e-04
4043	208	13.89	11.40	-0.13	1.23e-04	0.0	-7.77e-04
4043	235	-7.46	-15.48	-1.51	6.97e-04	0.0	4.65e-04
4044	28	0.67	-1.34	-1.26	1.94e-04	-1.24e-05	-3.21e-05
4044	44	0.59	-1.92	-1.19	2.12e-04	-1.49e-05	-2.93e-05
4044	52	0.67	-0.39	-1.20	1.51e-04	-1.56e-05	-3.26e-05
4044	80	0.47	-0.90	-0.89	1.36e-04	-8.31e-06	-2.34e-05
4044	88	0.42	-1.29	-0.84	1.48e-04	-9.99e-06	-2.15e-05
4044	92	0.47	-0.27	-0.85	1.07e-04	-1.05e-05	-2.38e-05
4044	98	0.40	-0.21	-0.71	8.70e-05	0.0	-2.14e-05
4044	105	0.38	-0.41	-0.69	9.41e-05	0.0	-2.07e-05
4044	107	0.38	-0.20	-0.68	8.45e-05	-1.65e-06	-2.08e-05
4044	112	10.71	9.21	-0.13	-2.96e-04	2.23e-04	-6.51e-04
4044	139	-5.41	-12.20	-1.31	6.34e-04	6.20e-05	3.86e-04
4044	144	12.02	10.40	-0.07	-3.44e-04	2.52e-04	-7.31e-04
4044	171	-6.16	-13.72	-1.39	7.03e-04	6.98e-05	4.38e-04
4044	176	12.04	10.26	-0.07	-3.33e-04	2.48e-04	-7.20e-04
4044	203	-6.27	-13.69	-1.39	6.98e-04	6.76e-05	4.41e-04
4044	208	14.11	12.01	0.04	-4.00e-04	2.90e-04	-8.38e-04
4044	235	-7.53	-16.04	-1.51	8.03e-04	7.68e-05	5.29e-04
4045	28	0.67	-1.35	-1.30	1.29e-04	0.0	-2.31e-05
4045	44	0.59	-1.93	-1.21	1.51e-04	0.0	-2.23e-05
4045	52	0.67	-0.39	-1.24	8.28e-05	0.0	-2.16e-05
4045	80	0.47	-0.91	-0.92	8.88e-05	0.0	-1.66e-05
4045	88	0.42	-1.30	-0.86	1.04e-04	0.0	-1.61e-05
4045	92	0.47	-0.27	-0.88	5.82e-05	0.0	-1.56e-05
4045	98	0.39	-0.22	-0.74	4.64e-05	0.0	-1.38e-05
4045	105	0.38	-0.42	-0.73	5.48e-05	0.0	-1.37e-05
4045	107	0.38	-0.21	-0.71	4.45e-05	0.0	-1.34e-05
4045	112	10.71	8.88	-0.27	-2.84e-04	0.0	-6.28e-04
4045	139	-5.41	-12.04	-1.32	5.36e-04	0.0	3.78e-04
4045	144	12.02	10.03	-0.21	-3.25e-04	0.0	-7.06e-04
4045	171	-6.16	-13.54	-1.40	5.98e-04	0.0	4.29e-04
4045	176	12.04	9.89	-0.22	-3.15e-04	0.0	-6.95e-04
4045	203	-6.27	-13.50	-1.39	5.93e-04	0.0	4.31e-04
4045	208	14.10	11.58	-0.13	-3.73e-04	0.0	-8.10e-04
4045	235	-7.53	-15.82	-1.51	6.87e-04	0.0	5.15e-04
4046	28	0.57	-1.24	-1.42	1.10e-04	0.0	-2.77e-05
4046	44	0.50	-1.80	-1.33	1.36e-04	0.0	-2.50e-05
4046	52	0.57	-0.34	-1.36	6.11e-05	0.0	-2.85e-05
4046	80	0.40	-0.84	-1.01	7.54e-05	0.0	-1.99e-05
4046	88	0.36	-1.21	-0.95	9.23e-05	0.0	-1.82e-05
4046	92	0.40	-0.23	-0.97	4.25e-05	0.0	-2.05e-05
4046	98	0.34	-0.19	-0.83	3.38e-05	0.0	-1.75e-05
4046	105	0.32	-0.38	-0.81	4.31e-05	0.0	-1.69e-05
4046	107	0.32	-0.18	-0.80	3.21e-05	0.0	-1.70e-05
4046	112	10.36	8.31	-0.87	9.19e-05	0.0	-5.65e-04
4046	139	-5.30	-11.42	-1.40	5.20e-04	0.0	3.27e-04
4046	144	11.63	9.38	-0.88	9.94e-05	0.0	-6.34e-04
4046	171	-6.03	-12.84	-1.47	5.81e-04	0.0	3.72e-04
4046	176	11.66	9.26	-0.87	9.28e-05	0.0	-6.26e-04
4046	203	-6.13	-12.81	-1.46	5.76e-04	0.0	3.72e-04
4046	208	13.66	10.84	-0.88	1.00e-04	0.0	-7.28e-04
4046	235	-7.37	-15.00	-1.58	6.69e-04	0.0	4.45e-04
4047	28	0.62	-1.30	-1.43	1.15e-04	0.0	-3.19e-05
4047	44	0.55	-1.87	-1.33	1.39e-04	0.0	-2.97e-05
4047	52	0.62	-0.37	-1.37	6.66e-05	0.0	-3.18e-05
4047	80	0.44	-0.88	-1.01	7.87e-05	0.0	-2.30e-05
4047	88	0.39	-1.26	-0.95	9.50e-05	0.0	-2.16e-05
4047	92	0.44	-0.26	-0.97	4.65e-05	0.0	-2.29e-05
4047	98	0.37	-0.20	-0.83	3.70e-05	0.0	-1.97e-05
4047	105	0.35	-0.40	-0.81	4.60e-05	0.0	-1.92e-05
4047	107	0.35	-0.19	-0.80	3.53e-05	0.0	-1.92e-05
4047	112	10.54	8.44	-0.87	-2.50e-04	0.0	-5.97e-04
4047	139	-5.36	-11.66	-1.40	4.76e-04	0.0	3.43e-04

4047	144	11.84	9.53	-0.88	-2.86e-04	0.0	-6.70e-04
4047	171	-6.10	-13.11	-1.47	5.32e-04	0.0	3.89e-04
4047	176	11.86	9.40	-0.87	-2.78e-04	0.0	-6.60e-04
4047	203	-6.21	-13.08	-1.46	5.28e-04	0.0	3.90e-04
4047	208	13.89	11.01	-0.88	-3.28e-04	0.0	-7.68e-04
4047	235	-7.46	-15.31	-1.58	6.12e-04	0.0	4.68e-04
4048	28	0.67	-1.36	-1.43	1.17e-04	0.0	-2.56e-05
4048	44	0.59	-1.94	-1.33	1.41e-04	0.0	-2.46e-05
4048	52	0.67	-0.40	-1.37	6.91e-05	0.0	-2.42e-05
4048	80	0.47	-0.92	-1.01	8.02e-05	0.0	-1.84e-05
4048	88	0.42	-1.31	-0.95	9.63e-05	0.0	-1.77e-05
4048	92	0.47	-0.28	-0.97	4.83e-05	0.0	-1.74e-05
4048	98	0.39	-0.22	-0.83	3.84e-05	0.0	-1.51e-05
4048	105	0.38	-0.42	-0.81	4.73e-05	0.0	-1.50e-05
4048	107	0.38	-0.21	-0.80	3.67e-05	0.0	-1.47e-05
4048	112	10.71	8.55	-0.87	-2.37e-04	0.0	-6.26e-04
4048	139	-5.41	-11.89	-1.40	4.60e-04	0.0	3.75e-04
4048	144	12.02	9.66	-0.88	-2.71e-04	0.0	-7.04e-04
4048	171	-6.16	-13.36	-1.47	5.13e-04	0.0	4.25e-04
4048	176	12.04	9.53	-0.87	-2.63e-04	0.0	-6.93e-04
4048	203	-6.27	-13.33	-1.46	5.09e-04	0.0	4.27e-04
4048	208	14.10	11.16	-0.88	-3.11e-04	0.0	-8.08e-04
4048	235	-7.54	-15.60	-1.58	5.90e-04	0.0	5.11e-04
4049	28	0.57	-1.26	-1.58	1.14e-04	0.0	-2.48e-05
4049	44	0.50	-1.81	-1.47	1.39e-04	0.0	-2.27e-05
4049	52	0.57	-0.35	-1.52	6.39e-05	0.0	-2.53e-05
4049	80	0.40	-0.85	-1.13	7.79e-05	0.0	-1.79e-05
4049	88	0.36	-1.22	-1.05	9.49e-05	0.0	-1.65e-05
4049	92	0.40	-0.24	-1.09	4.45e-05	0.0	-1.82e-05
4049	98	0.34	-0.20	-0.93	3.55e-05	0.0	-1.56e-05
4049	105	0.32	-0.39	-0.91	4.48e-05	0.0	-1.51e-05
4049	107	0.32	-0.19	-0.90	3.37e-05	0.0	-1.52e-05
4049	112	10.36	8.03	-0.95	7.84e-05	0.0	-5.69e-04
4049	133	-0.24	-8.04	-1.51	4.76e-04	0.0	2.49e-05
4049	139	-5.30	-11.33	-1.38	4.81e-04	0.0	3.31e-04
4049	144	11.64	9.06	-0.96	8.40e-05	0.0	-6.39e-04
4049	165	-0.31	-9.03	-1.59	5.32e-04	0.0	3.03e-05
4049	171	-6.03	-12.74	-1.44	5.37e-04	0.0	3.76e-04
4049	176	11.66	8.95	-0.95	7.85e-05	0.0	-6.29e-04
4049	197	-0.33	-9.00	-1.57	5.25e-04	0.0	2.99e-05
4049	203	-6.14	-12.70	-1.44	5.33e-04	0.0	3.76e-04
4049	208	13.66	10.47	-0.95	8.38e-05	0.0	-7.33e-04
4049	229	-0.45	-10.48	-1.68	6.06e-04	0.0	3.96e-05
4049	235	-7.37	-14.87	-1.53	6.17e-04	0.0	4.50e-04
4050	28	0.62	-1.31	-1.58	1.15e-04	0.0	-2.69e-05
4050	44	0.55	-1.88	-1.47	1.40e-04	0.0	-2.51e-05
4050	52	0.62	-0.38	-1.52	6.51e-05	0.0	-2.65e-05
4050	80	0.44	-0.89	-1.13	7.84e-05	0.0	-1.94e-05
4050	88	0.39	-1.27	-1.05	9.52e-05	0.0	-1.82e-05
4050	92	0.44	-0.27	-1.09	4.54e-05	0.0	-1.91e-05
4050	98	0.37	-0.21	-0.93	3.62e-05	0.0	-1.64e-05
4050	105	0.35	-0.41	-0.91	4.54e-05	0.0	-1.61e-05
4050	107	0.35	-0.20	-0.90	3.44e-05	0.0	-1.60e-05
4050	112	10.54	8.13	-0.95	-2.07e-04	0.0	-5.97e-04
4050	133	-0.22	-8.21	-1.51	3.32e-04	0.0	2.77e-05
4050	139	-5.36	-11.55	-1.38	4.21e-04	0.0	3.49e-04
4050	144	11.84	9.18	-0.96	-2.37e-04	0.0	-6.70e-04
4050	165	-0.30	-9.22	-1.59	3.70e-04	0.0	3.37e-05
4050	171	-6.10	-12.98	-1.44	4.70e-04	0.0	3.96e-04
4050	176	11.86	9.06	-0.95	-2.30e-04	0.0	-6.60e-04
4050	197	-0.31	-9.19	-1.57	3.67e-04	0.0	3.46e-05
4050	203	-6.21	-12.94	-1.44	4.67e-04	0.0	3.96e-04
4050	208	13.89	10.61	-0.95	-2.72e-04	0.0	-7.69e-04
4050	229	-0.44	-10.70	-1.68	4.23e-04	0.0	4.61e-05
4050	235	-7.46	-15.14	-1.53	5.40e-04	0.0	4.75e-04
4051	28	0.67	-1.37	-1.58	1.14e-04	0.0	-2.58e-05
4051	44	0.59	-1.95	-1.47	1.40e-04	0.0	-2.46e-05
4051	52	0.67	-0.42	-1.52	6.52e-05	0.0	-2.45e-05
4051	80	0.47	-0.93	-1.13	7.84e-05	0.0	-1.85e-05
4051	88	0.42	-1.31	-1.05	9.51e-05	0.0	-1.77e-05
4051	92	0.47	-0.29	-1.09	4.55e-05	0.0	-1.76e-05
4051	98	0.39	-0.23	-0.93	3.62e-05	0.0	-1.53e-05
4051	105	0.38	-0.43	-0.91	4.55e-05	0.0	-1.51e-05
4051	107	0.38	-0.22	-0.90	3.45e-05	0.0	-1.48e-05
4051	112	10.71	8.22	-0.95	-1.91e-04	0.0	-6.25e-04

4051	133	-0.20	-8.37	-1.51	3.14e-04	0.0	3.84e-05
4051	139	-5.41	-11.74	-1.38	3.99e-04	0.0	3.74e-04
4051	144	12.02	9.29	-0.96	-2.19e-04	0.0	-7.03e-04
4051	165	-0.28	-9.39	-1.59	3.50e-04	0.0	4.57e-05
4051	171	-6.16	-13.20	-1.44	4.44e-04	0.0	4.24e-04
4051	176	12.04	9.16	-0.95	-2.13e-04	0.0	-6.92e-04
4051	197	-0.29	-9.35	-1.57	3.47e-04	0.0	4.78e-05
4051	203	-6.27	-13.15	-1.44	4.41e-04	0.0	4.26e-04
4051	208	14.10	10.73	-0.95	-2.53e-04	0.0	-8.06e-04
4051	229	-0.42	-10.89	-1.68	4.00e-04	0.0	6.21e-05
4051	235	-7.54	-15.39	-1.53	5.11e-04	0.0	5.09e-04
4052	28	0.57	-1.27	-1.74	1.17e-04	0.0	-2.27e-05
4052	44	0.50	-1.83	-1.61	1.42e-04	0.0	-2.11e-05
4052	52	0.57	-0.36	-1.68	6.62e-05	0.0	-2.26e-05
4052	80	0.40	-0.86	-1.24	7.99e-05	0.0	-1.64e-05
4052	88	0.36	-1.23	-1.16	9.69e-05	0.0	-1.53e-05
4052	92	0.40	-0.25	-1.20	4.61e-05	0.0	-1.63e-05
4052	98	0.34	-0.20	-1.03	3.69e-05	0.0	-1.41e-05
4052	105	0.32	-0.39	-1.01	4.63e-05	0.0	-1.38e-05
4052	107	0.32	-0.19	-1.00	3.51e-05	0.0	-1.38e-05
4052	112	10.36	7.74	-1.07	6.59e-05	0.0	-5.77e-04
4052	133	-0.24	-8.11	-1.64	4.45e-04	0.0	2.79e-05
4052	139	-5.30	-11.23	-1.50	4.50e-04	0.0	3.39e-04
4052	144	11.64	8.74	-1.08	6.97e-05	0.0	-6.48e-04
4052	165	-0.31	-9.11	-1.72	4.96e-04	0.0	3.35e-05
4052	171	-6.03	-12.62	-1.57	5.02e-04	0.0	3.85e-04
4052	176	11.66	8.62	-1.07	6.50e-05	0.0	-6.39e-04
4052	197	-0.33	-9.06	-1.70	4.90e-04	0.0	3.38e-05
4052	203	-6.14	-12.58	-1.57	4.98e-04	0.0	3.85e-04
4052	208	13.66	10.10	-1.07	6.82e-05	0.0	-7.44e-04
4052	229	-0.45	-10.56	-1.81	5.65e-04	0.0	4.43e-05
4052	235	-7.37	-14.71	-1.66	5.76e-04	0.0	4.60e-04
4053	28	0.62	-1.33	-1.74	1.16e-04	0.0	-2.49e-05
4053	44	0.55	-1.90	-1.61	1.42e-04	0.0	-2.33e-05
4053	52	0.62	-0.40	-1.68	6.60e-05	0.0	-2.43e-05
4053	80	0.44	-0.90	-1.24	7.96e-05	0.0	-1.79e-05
4053	88	0.39	-1.28	-1.16	9.66e-05	0.0	-1.69e-05
4053	92	0.44	-0.28	-1.20	4.60e-05	0.0	-1.75e-05
4053	98	0.37	-0.22	-1.03	3.68e-05	0.0	-1.52e-05
4053	105	0.35	-0.42	-1.01	4.62e-05	0.0	-1.49e-05
4053	107	0.35	-0.21	-1.00	3.50e-05	0.0	-1.47e-05
4053	112	10.54	7.82	-1.07	-1.70e-04	0.0	-6.01e-04
4053	133	-0.22	-8.27	-1.64	3.06e-04	0.0	3.14e-05
4053	139	-5.36	-11.42	-1.50	3.79e-04	0.0	3.55e-04
4053	144	11.84	8.84	-1.08	-1.95e-04	0.0	-6.76e-04
4053	165	-0.30	-9.28	-1.72	3.39e-04	0.0	3.76e-05
4053	171	-6.10	-12.84	-1.57	4.23e-04	0.0	4.02e-04
4053	176	11.86	8.72	-1.07	-1.90e-04	0.0	-6.65e-04
4053	197	-0.31	-9.24	-1.70	3.37e-04	0.0	3.89e-05
4053	203	-6.21	-12.79	-1.57	4.20e-04	0.0	4.03e-04
4053	208	13.89	10.21	-1.07	-2.25e-04	0.0	-7.75e-04
4053	229	-0.44	-10.76	-1.81	3.88e-04	0.0	5.11e-05
4053	235	-7.46	-14.97	-1.66	4.85e-04	0.0	4.83e-04
4054	28	0.66	-1.39	-1.74	1.16e-04	0.0	-2.62e-05
4054	44	0.59	-1.97	-1.61	1.41e-04	0.0	-2.49e-05
4054	52	0.67	-0.43	-1.68	6.56e-05	0.0	-2.50e-05
4054	80	0.47	-0.94	-1.24	7.93e-05	0.0	-1.88e-05
4054	88	0.42	-1.32	-1.16	9.63e-05	0.0	-1.79e-05
4054	92	0.47	-0.30	-1.20	4.58e-05	0.0	-1.80e-05
4054	98	0.39	-0.24	-1.03	3.66e-05	0.0	-1.56e-05
4054	105	0.38	-0.44	-1.01	4.60e-05	0.0	-1.54e-05
4054	107	0.38	-0.23	-1.00	3.48e-05	0.0	-1.51e-05
4054	112	10.71	7.89	-1.07	-1.52e-04	0.0	-6.26e-04
4054	133	-0.20	-8.40	-1.64	2.85e-04	0.0	3.87e-05
4054	139	-5.41	-11.59	-1.50	3.53e-04	0.0	3.74e-04
4054	144	12.02	8.92	-1.08	-1.76e-04	0.0	-7.03e-04
4054	165	-0.28	-9.43	-1.72	3.16e-04	0.0	4.60e-05
4054	171	-6.16	-13.03	-1.57	3.93e-04	0.0	4.24e-04
4054	176	12.04	8.80	-1.07	-1.70e-04	0.0	-6.92e-04
4054	197	-0.30	-9.39	-1.70	3.14e-04	0.0	4.82e-05
4054	203	-6.27	-12.98	-1.57	3.90e-04	0.0	4.26e-04
4054	208	14.10	10.31	-1.07	-2.03e-04	0.0	-8.06e-04
4054	229	-0.42	-10.93	-1.81	3.60e-04	0.0	6.25e-05
4054	235	-7.54	-15.18	-1.66	4.51e-04	0.0	5.10e-04
4055	28	0.57	-1.28	-1.88	1.20e-04	0.0	-2.17e-05

4055	44	0.50	-1.84	-1.75	1.45e-04	0.0	-2.05e-05
4055	52	0.57	-0.38	-1.82	6.87e-05	0.0	-2.12e-05
4055	80	0.40	-0.87	-1.34	8.19e-05	0.0	-1.57e-05
4055	88	0.36	-1.24	-1.25	9.88e-05	0.0	-1.48e-05
4055	92	0.40	-0.26	-1.31	4.79e-05	0.0	-1.53e-05
4055	98	0.34	-0.21	-1.13	3.84e-05	0.0	-1.33e-05
4055	105	0.32	-0.40	-1.10	4.79e-05	0.0	-1.31e-05
4055	107	0.32	-0.20	-1.09	3.65e-05	0.0	-1.30e-05
4055	112	10.36	7.44	-1.22	5.53e-05	0.0	-5.87e-04
4055	133	-0.24	-8.17	-1.77	4.22e-04	0.0	3.15e-05
4055	139	-5.30	-11.11	-1.61	4.27e-04	0.0	3.48e-04
4055	144	11.64	8.40	-1.23	5.76e-05	0.0	-6.60e-04
4055	165	-0.31	-9.17	-1.85	4.70e-04	0.0	3.76e-05
4055	171	-6.03	-12.49	-1.67	4.76e-04	0.0	3.95e-04
4055	176	11.66	8.29	-1.22	5.35e-05	0.0	-6.50e-04
4055	197	-0.33	-9.12	-1.84	4.64e-04	0.0	3.84e-05
4055	203	-6.14	-12.44	-1.67	4.72e-04	0.0	3.95e-04
4055	208	13.67	9.71	-1.23	5.47e-05	0.0	-7.57e-04
4055	229	-0.45	-10.62	-1.96	5.35e-04	0.0	4.99e-05
4055	235	-7.37	-14.55	-1.77	5.45e-04	0.0	4.72e-04
4056	28	0.62	-1.34	-1.88	1.19e-04	0.0	-2.43e-05
4056	44	0.55	-1.91	-1.75	1.45e-04	0.0	-2.29e-05
4056	52	0.62	-0.41	-1.82	6.83e-05	0.0	-2.35e-05
4056	80	0.44	-0.91	-1.34	8.16e-05	0.0	-1.74e-05
4056	88	0.39	-1.29	-1.25	9.85e-05	0.0	-1.65e-05
4056	92	0.44	-0.29	-1.31	4.77e-05	0.0	-1.69e-05
4056	98	0.37	-0.23	-1.13	3.82e-05	0.0	-1.47e-05
4056	105	0.35	-0.43	-1.10	4.77e-05	0.0	-1.45e-05
4056	107	0.35	-0.22	-1.09	3.64e-05	0.0	-1.43e-05
4056	112	10.54	7.51	-1.22	-1.41e-04	0.0	-6.07e-04
4056	133	-0.22	-8.32	-1.77	2.88e-04	0.0	3.44e-05
4056	139	-5.36	-11.29	-1.61	3.50e-04	0.0	3.61e-04
4056	144	11.84	8.48	-1.23	-1.63e-04	0.0	-6.82e-04
4056	165	-0.30	-9.34	-1.85	3.19e-04	0.0	4.11e-05
4056	171	-6.10	-12.69	-1.67	3.89e-04	0.0	4.09e-04
4056	176	11.86	8.37	-1.22	-1.58e-04	0.0	-6.72e-04
4056	197	-0.31	-9.29	-1.84	3.17e-04	0.0	4.26e-05
4056	203	-6.21	-12.64	-1.67	3.86e-04	0.0	4.10e-04
4056	208	13.89	9.81	-1.23	-1.89e-04	0.0	-7.82e-04
4056	229	-0.44	-10.81	-1.96	3.64e-04	0.0	5.55e-05
4056	235	-7.46	-14.78	-1.77	4.46e-04	0.0	4.91e-04
4057	28	0.66	-1.40	-1.88	1.19e-04	0.0	-2.66e-05
4057	44	0.59	-1.98	-1.75	1.44e-04	0.0	-2.51e-05
4057	52	0.67	-0.44	-1.82	6.80e-05	0.0	-2.55e-05
4057	80	0.47	-0.95	-1.34	8.13e-05	0.0	-1.91e-05
4057	88	0.42	-1.33	-1.25	9.83e-05	0.0	-1.81e-05
4057	92	0.47	-0.31	-1.31	4.74e-05	0.0	-1.83e-05
4057	98	0.39	-0.25	-1.13	3.80e-05	0.0	-1.60e-05
4057	105	0.38	-0.45	-1.10	4.75e-05	0.0	-1.57e-05
4057	107	0.38	-0.24	-1.09	3.62e-05	0.0	-1.55e-05
4057	112	10.71	7.56	-1.22	-1.22e-04	0.0	-6.27e-04
4057	133	-0.20	-8.44	-1.77	2.65e-04	0.0	3.90e-05
4057	139	-5.41	-11.45	-1.61	3.21e-04	0.0	3.75e-04
4057	144	12.02	8.55	-1.23	-1.42e-04	0.0	-7.04e-04
4057	165	-0.28	-9.48	-1.85	2.94e-04	0.0	4.64e-05
4057	171	-6.16	-12.86	-1.67	3.57e-04	0.0	4.25e-04
4057	176	12.04	8.43	-1.22	-1.37e-04	0.0	-6.93e-04
4057	197	-0.30	-9.43	-1.84	2.92e-04	0.0	4.86e-05
4057	203	-6.27	-12.81	-1.67	3.54e-04	0.0	4.26e-04
4057	208	14.10	9.88	-1.23	-1.65e-04	0.0	-8.07e-04
4057	229	-0.42	-10.97	-1.96	3.34e-04	0.0	6.32e-05
4057	235	-7.54	-14.97	-1.77	4.08e-04	0.0	5.10e-04
4058	28	0.57	-1.29	-2.02	1.23e-04	0.0	-2.15e-05
4058	44	0.50	-1.85	-1.87	1.48e-04	0.0	-2.04e-05
4058	52	0.57	-0.39	-1.96	7.15e-05	0.0	-2.06e-05
4058	80	0.40	-0.87	-1.44	8.39e-05	0.0	-1.55e-05
4058	88	0.36	-1.24	-1.34	1.01e-04	0.0	-1.48e-05
4058	92	0.40	-0.27	-1.40	4.99e-05	0.0	-1.49e-05
4058	98	0.34	-0.22	-1.21	4.02e-05	0.0	-1.30e-05
4058	105	0.32	-0.41	-1.18	4.95e-05	0.0	-1.28e-05
4058	107	0.32	-0.21	-1.17	3.82e-05	0.0	-1.26e-05
4058	112	10.37	7.13	-1.37	4.66e-05	0.0	-5.96e-04
4058	133	-0.24	-8.22	-1.90	4.05e-04	0.0	3.48e-05
4058	139	-5.31	-10.99	-1.70	4.10e-04	0.0	3.56e-04
4058	144	11.65	8.05	-1.39	4.76e-05	0.0	-6.70e-04

4058	165	-0.31	-9.23	-1.99	4.51e-04	0.0	4.12e-05
4058	171	-6.03	-12.35	-1.76	4.56e-04	0.0	4.03e-04
4058	176	11.67	7.95	-1.38	4.41e-05	0.0	-6.59e-04
4058	197	-0.33	-9.17	-1.97	4.45e-04	0.0	4.24e-05
4058	203	-6.14	-12.29	-1.76	4.52e-04	0.0	4.04e-04
4058	208	13.67	9.31	-1.41	4.36e-05	0.0	-7.68e-04
4058	229	-0.45	-10.68	-2.10	5.12e-04	0.0	5.48e-05
4058	235	-7.38	-14.37	-1.86	5.22e-04	0.0	4.83e-04
4059	28	0.62	-1.36	-2.02	1.23e-04	0.0	-2.41e-05
4059	44	0.55	-1.92	-1.87	1.48e-04	0.0	-2.28e-05
4059	52	0.62	-0.42	-1.96	7.14e-05	0.0	-2.31e-05
4059	80	0.44	-0.92	-1.44	8.39e-05	0.0	-1.73e-05
4059	88	0.39	-1.29	-1.34	1.01e-04	0.0	-1.64e-05
4059	92	0.44	-0.29	-1.40	4.98e-05	0.0	-1.67e-05
4059	98	0.37	-0.24	-1.21	4.01e-05	0.0	-1.46e-05
4059	105	0.35	-0.43	-1.18	4.95e-05	0.0	-1.43e-05
4059	107	0.35	-0.23	-1.17	3.81e-05	0.0	-1.41e-05
4059	112	10.55	7.19	-1.37	3.75e-05	0.0	-6.12e-04
4059	133	-0.22	-8.37	-1.90	3.23e-04	0.0	3.67e-05
4059	139	-5.36	-11.16	-1.70	3.29e-04	0.0	3.65e-04
4059	144	11.84	8.13	-1.39	3.74e-05	0.0	-6.88e-04
4059	165	-0.30	-9.39	-1.99	3.59e-04	0.0	4.37e-05
4059	171	-6.10	-12.54	-1.76	3.65e-04	0.0	4.14e-04
4059	176	11.86	8.02	-1.38	3.50e-05	0.0	-6.77e-04
4059	197	-0.31	-9.33	-1.97	3.54e-04	0.0	4.54e-05
4059	203	-6.21	-12.48	-1.76	3.63e-04	0.0	4.15e-04
4059	208	13.90	9.40	-1.41	3.34e-05	0.0	-7.89e-04
4059	229	-0.44	-10.86	-2.10	4.06e-04	0.0	5.89e-05
4059	235	-7.46	-14.59	-1.86	4.18e-04	0.0	4.97e-04
4060	28	0.66	-1.42	-2.02	1.22e-04	0.0	-2.68e-05
4060	44	0.58	-2.00	-1.87	1.48e-04	0.0	-2.51e-05
4060	52	0.67	-0.46	-1.96	7.12e-05	0.0	-2.57e-05
4060	80	0.47	-0.96	-1.44	8.38e-05	0.0	-1.92e-05
4060	88	0.42	-1.34	-1.34	1.01e-04	0.0	-1.81e-05
4060	92	0.47	-0.32	-1.40	4.97e-05	0.0	-1.85e-05
4060	98	0.39	-0.26	-1.21	4.01e-05	0.0	-1.61e-05
4060	105	0.37	-0.46	-1.18	4.94e-05	0.0	-1.59e-05
4060	107	0.38	-0.25	-1.17	3.81e-05	0.0	-1.56e-05
4060	112	10.71	7.24	-1.37	3.40e-05	0.0	-6.27e-04
4060	133	-0.20	-8.49	-1.90	2.92e-04	0.0	3.95e-05
4060	139	-5.41	-11.30	-1.70	2.99e-04	0.0	3.75e-04
4060	144	12.02	8.18	-1.39	3.35e-05	0.0	-7.05e-04
4060	165	-0.28	-9.52	-1.99	3.24e-04	0.0	4.70e-05
4060	171	-6.16	-12.70	-1.76	3.32e-04	0.0	4.26e-04
4060	176	12.04	8.07	-1.38	3.15e-05	0.0	-6.94e-04
4060	197	-0.30	-9.47	-1.97	3.20e-04	0.0	4.93e-05
4060	203	-6.27	-12.64	-1.76	3.29e-04	0.0	4.27e-04
4060	208	14.10	9.46	-1.41	2.95e-05	0.0	-8.08e-04
4060	229	-0.43	-11.01	-2.10	3.67e-04	0.0	6.40e-05
4060	235	-7.54	-14.76	-1.86	3.79e-04	0.0	5.11e-04
4061	28	0.57	-1.31	-2.14	1.25e-04	0.0	-2.15e-05
4061	44	0.50	-1.86	-1.98	1.50e-04	0.0	-2.06e-05
4061	52	0.57	-0.40	-2.09	7.44e-05	0.0	-2.03e-05
4061	80	0.40	-0.88	-1.53	8.60e-05	0.0	-1.54e-05
4061	88	0.36	-1.25	-1.42	1.02e-04	0.0	-1.48e-05
4061	92	0.40	-0.28	-1.49	5.19e-05	0.0	-1.47e-05
4061	98	0.34	-0.23	-1.29	4.19e-05	0.0	-1.28e-05
4061	105	0.32	-0.42	-1.26	5.12e-05	0.0	-1.27e-05
4061	107	0.32	-0.21	-1.24	3.99e-05	0.0	-1.25e-05
4061	112	10.37	6.82	-1.52	3.94e-05	0.0	-6.02e-04
4061	133	-0.24	-8.27	-2.02	3.92e-04	0.0	3.68e-05
4061	139	-5.31	-10.86	-1.78	3.97e-04	0.0	3.61e-04
4061	144	11.65	7.71	-1.55	3.94e-05	0.0	-6.76e-04
4061	165	-0.31	-9.28	-2.12	4.37e-04	0.0	4.35e-05
4061	171	-6.04	-12.20	-1.84	4.41e-04	0.0	4.09e-04
4061	176	11.67	7.60	-1.54	3.63e-05	0.0	-6.66e-04
4061	197	-0.33	-9.22	-2.10	4.31e-04	0.0	4.49e-05
4061	203	-6.14	-12.14	-1.84	4.37e-04	0.0	4.09e-04
4061	208	13.68	8.91	-1.58	3.43e-05	0.0	-7.76e-04
4061	229	-0.45	-10.73	-2.24	4.95e-04	0.0	5.79e-05
4061	235	-7.38	-14.18	-1.93	5.04e-04	0.0	4.89e-04
4062	28	0.62	-1.37	-2.14	1.26e-04	0.0	-2.39e-05
4062	44	0.55	-1.93	-1.98	1.51e-04	0.0	-2.27e-05
4062	52	0.62	-0.44	-2.09	7.48e-05	0.0	-2.28e-05
4062	80	0.44	-0.93	-1.53	8.63e-05	0.0	-1.72e-05

4062	88	0.39	-1.30	-1.42	1.03e-04	0.0	-1.63e-05
4062	92	0.44	-0.30	-1.49	5.23e-05	0.0	-1.64e-05
4062	98	0.37	-0.25	-1.29	4.22e-05	0.0	-1.44e-05
4062	105	0.35	-0.44	-1.26	5.15e-05	0.0	-1.42e-05
4062	107	0.35	-0.23	-1.24	4.02e-05	0.0	-1.39e-05
4062	112	10.55	6.87	-1.52	3.15e-05	0.0	-6.15e-04
4062	133	-0.22	-8.41	-2.02	3.08e-04	0.0	3.81e-05
4062	139	-5.36	-11.02	-1.78	3.13e-04	0.0	3.68e-04
4062	144	11.84	7.77	-1.55	3.05e-05	0.0	-6.91e-04
4062	165	-0.30	-9.44	-2.12	3.41e-04	0.0	4.52e-05
4062	171	-6.10	-12.39	-1.84	3.48e-04	0.0	4.18e-04
4062	176	11.86	7.67	-1.54	2.84e-05	0.0	-6.81e-04
4062	197	-0.31	-9.38	-2.10	3.37e-04	0.0	4.70e-05
4062	203	-6.21	-12.32	-1.84	3.45e-04	0.0	4.19e-04
4062	208	13.90	8.98	-1.58	2.56e-05	0.0	-7.93e-04
4062	229	-0.44	-10.91	-2.24	3.86e-04	0.0	6.08e-05
4062	235	-7.46	-14.39	-1.93	3.96e-04	0.0	5.01e-04
4063	28	0.66	-1.43	-2.14	1.27e-04	0.0	-2.60e-05
4063	44	0.58	-2.01	-1.98	1.51e-04	0.0	-2.45e-05
4063	52	0.66	-0.47	-2.09	7.55e-05	0.0	-2.49e-05
4063	80	0.47	-0.97	-1.53	8.67e-05	0.0	-1.86e-05
4063	88	0.41	-1.36	-1.42	1.03e-04	0.0	-1.76e-05
4063	92	0.47	-0.33	-1.49	5.28e-05	0.0	-1.79e-05
4063	98	0.39	-0.27	-1.29	4.27e-05	0.0	-1.57e-05
4063	105	0.37	-0.47	-1.26	5.19e-05	0.0	-1.54e-05
4063	107	0.37	-0.25	-1.24	4.06e-05	0.0	-1.52e-05
4063	112	10.71	6.91	-1.52	2.90e-05	0.0	-6.27e-04
4063	133	-0.20	-8.53	-2.02	2.76e-04	0.0	4.00e-05
4063	139	-5.41	-11.16	-1.78	2.82e-04	0.0	3.76e-04
4063	144	12.02	7.81	-1.55	2.75e-05	0.0	-7.05e-04
4063	165	-0.28	-9.57	-2.12	3.06e-04	0.0	4.75e-05
4063	171	-6.16	-12.53	-1.84	3.13e-04	0.0	4.26e-04
4063	176	12.04	7.70	-1.54	2.59e-05	0.0	-6.94e-04
4063	197	-0.30	-9.50	-2.10	3.02e-04	0.0	4.98e-05
4063	203	-6.27	-12.47	-1.84	3.10e-04	0.0	4.28e-04
4063	208	14.10	9.03	-1.58	2.26e-05	0.0	-8.08e-04
4063	229	-0.43	-11.05	-2.24	3.45e-04	0.0	6.45e-05
4063	235	-7.54	-14.56	-1.93	3.56e-04	0.0	5.12e-04
4064	28	0.57	-1.32	-2.26	1.28e-04	0.0	-2.15e-05
4064	44	0.50	-1.87	-2.08	1.52e-04	0.0	-2.07e-05
4064	52	0.57	-0.41	-2.20	7.70e-05	0.0	-2.02e-05
4064	80	0.40	-0.89	-1.61	8.77e-05	0.0	-1.55e-05
4064	88	0.36	-1.26	-1.50	1.04e-04	0.0	-1.49e-05
4064	92	0.40	-0.29	-1.57	5.38e-05	0.0	-1.46e-05
4064	98	0.34	-0.23	-1.35	4.35e-05	0.0	-1.28e-05
4064	105	0.32	-0.42	-1.32	5.27e-05	0.0	-1.27e-05
4064	107	0.32	-0.22	-1.31	4.14e-05	0.0	-1.24e-05
4064	112	10.38	6.51	-1.66	3.31e-05	0.0	-6.05e-04
4064	133	-0.24	-8.32	-2.14	3.82e-04	0.0	3.76e-05
4064	139	-5.31	-10.73	-1.84	3.86e-04	0.0	3.63e-04
4064	144	11.65	7.35	-1.71	3.20e-05	0.0	-6.80e-04
4064	165	-0.31	-9.33	-2.24	4.25e-04	0.0	4.44e-05
4064	171	-6.04	-12.05	-1.91	4.29e-04	0.0	4.11e-04
4064	176	11.68	7.26	-1.70	2.93e-05	0.0	-6.70e-04
4064	197	-0.33	-9.27	-2.22	4.19e-04	0.0	4.58e-05
4064	203	-6.15	-11.98	-1.90	4.25e-04	0.0	4.12e-04
4064	208	13.68	8.50	-1.76	2.61e-05	0.0	-7.80e-04
4064	229	-0.46	-10.78	-2.37	4.81e-04	0.0	5.90e-05
4064	235	-7.38	-13.99	-2.00	4.89e-04	0.0	4.93e-04
4065	28	0.62	-1.38	-2.26	1.28e-04	0.0	-2.39e-05
4065	44	0.54	-1.95	-2.08	1.52e-04	0.0	-2.27e-05
4065	52	0.62	-0.45	-2.20	7.67e-05	0.0	-2.27e-05
4065	80	0.44	-0.94	-1.61	8.76e-05	0.0	-1.71e-05
4065	88	0.39	-1.31	-1.50	1.04e-04	0.0	-1.64e-05
4065	92	0.44	-0.31	-1.57	5.36e-05	0.0	-1.63e-05
4065	98	0.37	-0.25	-1.35	4.34e-05	0.0	-1.43e-05
4065	105	0.35	-0.45	-1.32	5.26e-05	0.0	-1.41e-05
4065	107	0.35	-0.24	-1.31	4.13e-05	0.0	-1.38e-05
4065	112	10.55	6.55	-1.66	2.59e-05	0.0	-6.17e-04
4065	133	-0.22	-8.46	-2.14	2.96e-04	0.0	3.86e-05
4065	139	-5.36	-10.89	-1.84	3.01e-04	0.0	3.70e-04
4065	144	11.84	7.41	-1.71	2.40e-05	0.0	-6.93e-04
4065	165	-0.30	-9.49	-2.24	3.27e-04	0.0	4.57e-05
4065	171	-6.10	-12.23	-1.91	3.33e-04	0.0	4.19e-04
4065	176	11.87	7.31	-1.70	2.22e-05	0.0	-6.83e-04

4065	197	-0.31	-9.42	-2.22	3.23e-04	0.0	4.75e-05
4065	203	-6.21	-12.16	-1.90	3.31e-04	0.0	4.20e-04
4065	208	13.90	8.57	-1.76	1.82e-05	0.0	-7.95e-04
4065	229	-0.44	-10.95	-2.37	3.69e-04	0.0	6.14e-05
4065	235	-7.46	-14.19	-2.00	3.79e-04	0.0	5.03e-04
4066	28	0.66	-1.45	-2.26	1.27e-04	0.0	-2.58e-05
4066	44	0.58	-2.02	-2.08	1.52e-04	0.0	-2.43e-05
4066	52	0.66	-0.49	-2.20	7.63e-05	0.0	-2.46e-05
4066	80	0.47	-0.98	-1.61	8.73e-05	0.0	-1.85e-05
4066	88	0.41	-1.36	-1.50	1.04e-04	0.0	-1.75e-05
4066	92	0.47	-0.34	-1.57	5.33e-05	0.0	-1.77e-05
4066	98	0.39	-0.28	-1.35	4.32e-05	0.0	-1.55e-05
4066	105	0.37	-0.48	-1.32	5.24e-05	0.0	-1.52e-05
4066	107	0.37	-0.26	-1.31	4.10e-05	0.0	-1.50e-05
4066	112	10.70	6.58	-1.66	2.30e-05	0.0	-6.27e-04
4066	133	-0.20	-8.57	-2.14	2.63e-04	0.0	3.99e-05
4066	139	-5.41	-11.01	-1.84	2.69e-04	0.0	3.76e-04
4066	144	12.02	7.44	-1.71	2.08e-05	0.0	-7.05e-04
4066	165	-0.28	-9.61	-2.24	2.91e-04	0.0	4.74e-05
4066	171	-6.16	-12.37	-1.91	2.97e-04	0.0	4.26e-04
4066	176	12.04	7.34	-1.70	1.94e-05	0.0	-6.94e-04
4066	197	-0.30	-9.54	-2.22	2.87e-04	0.0	4.96e-05
4066	203	-6.27	-12.30	-1.90	2.95e-04	0.0	4.28e-04
4066	208	14.10	8.61	-1.76	1.51e-05	0.0	-8.08e-04
4066	229	-0.43	-11.09	-2.37	3.27e-04	0.0	6.43e-05
4066	235	-7.54	-14.35	-2.00	3.38e-04	0.0	5.12e-04
4067	28	0.56	-1.33	-2.36	1.31e-04	0.0	-2.15e-05
4067	44	0.50	-1.88	-2.17	1.55e-04	0.0	-2.08e-05
4067	52	0.57	-0.42	-2.30	7.99e-05	0.0	-2.01e-05
4067	80	0.40	-0.90	-1.68	8.97e-05	0.0	-1.55e-05
4067	88	0.36	-1.27	-1.56	1.06e-04	0.0	-1.50e-05
4067	92	0.40	-0.29	-1.65	5.59e-05	0.0	-1.45e-05
4067	98	0.34	-0.24	-1.41	4.54e-05	0.0	-1.27e-05
4067	105	0.32	-0.43	-1.38	5.44e-05	0.0	-1.26e-05
4067	107	0.32	-0.23	-1.36	4.31e-05	0.0	-1.23e-05
4067	112	10.38	6.19	-1.80	2.75e-05	0.0	-6.06e-04
4067	133	-0.24	-8.37	-2.24	3.72e-04	0.0	3.75e-05
4067	139	-5.31	-10.60	-1.90	3.75e-04	0.0	3.63e-04
4067	144	11.66	7.00	-1.86	2.56e-05	0.0	-6.81e-04
4067	165	-0.31	-9.39	-2.35	4.13e-04	0.0	4.42e-05
4067	171	-6.04	-11.90	-1.97	4.17e-04	0.0	4.12e-04
4067	176	11.68	6.91	-1.84	2.33e-05	0.0	-6.71e-04
4067	197	-0.33	-9.32	-2.34	4.07e-04	0.0	4.57e-05
4067	203	-6.15	-11.83	-1.96	4.13e-04	0.0	4.13e-04
4067	208	13.69	8.10	-1.92	1.89e-05	0.0	-7.82e-04
4067	229	-0.46	-10.83	-2.49	4.67e-04	0.0	5.87e-05
4067	235	-7.39	-13.80	-2.06	4.75e-04	0.0	4.93e-04
4068	28	0.62	-1.39	-2.36	1.31e-04	0.0	-2.41e-05
4068	44	0.54	-1.96	-2.17	1.55e-04	0.0	-2.30e-05
4068	52	0.62	-0.46	-2.30	7.98e-05	0.0	-2.29e-05
4068	80	0.44	-0.94	-1.68	8.97e-05	0.0	-1.73e-05
4068	88	0.39	-1.32	-1.56	1.06e-04	0.0	-1.65e-05
4068	92	0.44	-0.32	-1.65	5.58e-05	0.0	-1.65e-05
4068	98	0.37	-0.26	-1.41	4.53e-05	0.0	-1.44e-05
4068	105	0.35	-0.46	-1.38	5.44e-05	0.0	-1.43e-05
4068	107	0.35	-0.25	-1.36	4.31e-05	0.0	-1.40e-05
4068	112	10.55	6.23	-1.80	2.19e-05	0.0	-6.19e-04
4068	133	-0.22	-8.50	-2.24	2.84e-04	0.0	3.88e-05
4068	139	-5.36	-10.75	-1.90	2.89e-04	0.0	3.71e-04
4068	144	11.85	7.05	-1.86	1.92e-05	0.0	-6.95e-04
4068	165	-0.30	-9.54	-2.35	3.14e-04	0.0	4.59e-05
4068	171	-6.10	-12.07	-1.97	3.20e-04	0.0	4.20e-04
4068	176	11.87	6.95	-1.84	1.78e-05	0.0	-6.85e-04
4068	197	-0.31	-9.47	-2.34	3.10e-04	0.0	4.78e-05
4068	203	-6.21	-12.00	-1.96	3.17e-04	0.0	4.21e-04
4068	208	13.90	8.15	-1.92	1.29e-05	0.0	-7.97e-04
4068	229	-0.44	-11.00	-2.49	3.54e-04	0.0	6.18e-05
4068	235	-7.47	-14.00	-2.06	3.63e-04	0.0	5.04e-04
4069	28	0.66	-1.46	-2.36	1.31e-04	0.0	-2.66e-05
4069	44	0.58	-2.04	-2.17	1.55e-04	0.0	-2.50e-05
4069	52	0.66	-0.50	-2.30	7.96e-05	0.0	-2.55e-05
4069	80	0.47	-0.99	-1.69	8.96e-05	0.0	-1.91e-05
4069	88	0.41	-1.37	-1.56	1.06e-04	0.0	-1.80e-05
4069	92	0.47	-0.35	-1.65	5.57e-05	0.0	-1.83e-05
4069	98	0.39	-0.28	-1.41	4.52e-05	0.0	-1.60e-05

4069	105	0.37	-0.48	-1.38	5.43e-05	0.0	-1.57e-05
4069	107	0.37	-0.27	-1.36	4.30e-05	0.0	-1.55e-05
4069	112	10.70	6.25	-1.80	1.98e-05	0.0	-6.28e-04
4069	133	-0.20	-8.61	-2.24	2.51e-04	0.0	3.96e-05
4069	139	-5.41	-10.87	-1.90	2.57e-04	0.0	3.76e-04
4069	144	12.02	7.07	-1.86	1.69e-05	0.0	-7.05e-04
4069	165	-0.28	-9.66	-2.35	2.77e-04	0.0	4.71e-05
4069	171	-6.16	-12.21	-1.97	2.83e-04	0.0	4.26e-04
4069	176	12.04	6.98	-1.84	1.58e-05	0.0	-6.95e-04
4069	197	-0.30	-9.59	-2.34	2.74e-04	0.0	4.93e-05
4069	203	-6.27	-12.13	-1.96	2.81e-04	0.0	4.28e-04
4069	208	14.10	8.19	-1.92	1.07e-05	0.0	-8.09e-04
4069	229	-0.43	-11.14	-2.49	3.12e-04	0.0	6.40e-05
4069	235	-7.54	-14.15	-2.06	3.21e-04	0.0	5.12e-04
4070	28	0.56	-1.34	-2.46	1.34e-04	0.0	-2.15e-05
4070	44	0.50	-1.89	-2.26	1.57e-04	0.0	-2.08e-05
4070	52	0.57	-0.43	-2.40	8.31e-05	0.0	-2.00e-05
4070	80	0.40	-0.91	-1.75	9.19e-05	0.0	-1.55e-05
4070	88	0.36	-1.28	-1.62	1.07e-04	0.0	-1.50e-05
4070	92	0.40	-0.30	-1.71	5.82e-05	0.0	-1.45e-05
4070	98	0.34	-0.25	-1.46	4.74e-05	0.0	-1.27e-05
4070	105	0.32	-0.44	-1.42	5.63e-05	0.0	-1.27e-05
4070	107	0.32	-0.23	-1.41	4.51e-05	0.0	-1.23e-05
4070	112	10.39	5.88	-1.92	2.22e-05	0.0	-6.07e-04
4070	113	8.42	0.36	-2.35	1.98e-04	0.0	-4.82e-04
4070	139	-5.31	-10.47	-1.95	3.60e-04	0.0	3.64e-04
4070	144	11.67	6.65	-1.99	1.93e-05	0.0	-6.83e-04
4070	145	9.44	0.44	-2.47	2.17e-04	0.0	-5.41e-04
4070	171	-6.04	-11.76	-2.02	4.00e-04	0.0	4.13e-04
4070	176	11.69	6.56	-1.98	1.74e-05	0.0	-6.72e-04
4070	177	9.45	0.41	-2.45	2.12e-04	0.0	-5.31e-04
4070	203	-6.15	-11.68	-2.01	3.96e-04	0.0	4.14e-04
4070	208	13.69	7.69	-2.07	1.19e-05	0.0	-7.83e-04
4070	209	11.06	0.52	-2.62	2.39e-04	0.0	-6.17e-04
4070	235	-7.39	-13.62	-2.10	4.55e-04	0.0	4.95e-04
4071	28	0.62	-1.41	-2.46	1.34e-04	0.0	-2.43e-05
4071	44	0.54	-1.97	-2.26	1.57e-04	0.0	-2.31e-05
4071	52	0.62	-0.47	-2.40	8.32e-05	0.0	-2.31e-05
4071	80	0.44	-0.95	-1.75	9.19e-05	0.0	-1.74e-05
4071	88	0.39	-1.33	-1.62	1.08e-04	0.0	-1.66e-05
4071	92	0.44	-0.33	-1.71	5.82e-05	0.0	-1.67e-05
4071	98	0.37	-0.27	-1.46	4.73e-05	0.0	-1.46e-05
4071	105	0.35	-0.47	-1.42	5.63e-05	0.0	-1.44e-05
4071	107	0.35	-0.26	-1.41	4.51e-05	0.0	-1.42e-05
4071	112	10.55	5.91	-1.92	1.85e-05	0.0	-6.21e-04
4071	113	8.55	0.33	-2.35	1.47e-04	0.0	-4.91e-04
4071	139	-5.37	-10.62	-1.95	2.75e-04	0.0	3.73e-04
4071	144	11.85	6.69	-1.99	1.52e-05	0.0	-6.98e-04
4071	145	9.59	0.40	-2.47	1.60e-04	0.0	-5.51e-04
4071	171	-6.11	-11.92	-2.02	3.04e-04	0.0	4.22e-04
4071	176	11.87	6.60	-1.98	1.41e-05	0.0	-6.88e-04
4071	177	9.60	0.37	-2.45	1.57e-04	0.0	-5.42e-04
4071	203	-6.21	-11.84	-2.01	3.01e-04	0.0	4.24e-04
4071	208	13.91	7.74	-2.07	8.30e-06	0.0	-8.01e-04
4071	209	11.23	0.48	-2.62	1.74e-04	0.0	-6.28e-04
4071	235	-7.47	-13.80	-2.10	3.44e-04	0.0	5.07e-04
4072	28	0.66	-1.48	-2.46	1.34e-04	0.0	-2.69e-05
4072	44	0.58	-2.05	-2.26	1.57e-04	0.0	-2.52e-05
4072	52	0.66	-0.51	-2.40	8.32e-05	0.0	-2.59e-05
4072	80	0.47	-1.00	-1.75	9.20e-05	0.0	-1.93e-05
4072	88	0.41	-1.38	-1.62	1.08e-04	0.0	-1.82e-05
4072	92	0.47	-0.36	-1.71	5.82e-05	0.0	-1.87e-05
4072	98	0.39	-0.29	-1.46	4.73e-05	0.0	-1.63e-05
4072	105	0.37	-0.49	-1.42	5.63e-05	0.0	-1.60e-05
4072	107	0.37	-0.28	-1.41	4.50e-05	0.0	-1.58e-05
4072	112	10.70	5.92	-1.92	1.74e-05	0.0	-6.29e-04
4072	113	8.68	0.29	-2.35	1.29e-04	0.0	-4.97e-04
4072	139	-5.41	-10.73	-1.95	2.44e-04	0.0	3.76e-04
4072	144	12.01	6.71	-1.99	1.39e-05	0.0	-7.06e-04
4072	145	9.73	0.36	-2.47	1.39e-04	0.0	-5.57e-04
4072	171	-6.16	-12.05	-2.02	2.69e-04	0.0	4.26e-04
4072	176	12.03	6.61	-1.98	1.31e-05	0.0	-6.95e-04
4072	177	9.74	0.33	-2.45	1.37e-04	0.0	-5.47e-04
4072	203	-6.27	-11.96	-2.01	2.67e-04	0.0	4.28e-04
4072	208	14.09	7.76	-2.07	7.22e-06	0.0	-8.10e-04

4072	209	11.39	0.43	-2.62	1.51e-04	0.0	-6.35e-04
4072	235	-7.54	-13.95	-2.10	3.04e-04	0.0	5.12e-04
4073	28	0.56	-1.35	-2.56	1.36e-04	0.0	-2.15e-05
4073	44	0.50	-1.91	-2.34	1.59e-04	0.0	-2.08e-05
4073	52	0.57	-0.44	-2.50	8.62e-05	0.0	-2.00e-05
4073	80	0.40	-0.92	-1.82	9.39e-05	0.0	-1.55e-05
4073	88	0.36	-1.29	-1.67	1.09e-04	0.0	-1.50e-05
4073	92	0.40	-0.31	-1.78	6.04e-05	0.0	-1.45e-05
4073	98	0.34	-0.25	-1.51	4.93e-05	0.0	-1.27e-05
4073	105	0.32	-0.44	-1.47	5.81e-05	0.0	-1.27e-05
4073	107	0.32	-0.24	-1.46	4.70e-05	0.0	-1.23e-05
4073	112	10.39	5.56	-1.97	1.70e-05	0.0	-6.08e-04
4073	113	8.42	0.07	-2.40	1.79e-04	0.0	-4.82e-04
4073	139	-5.32	-10.34	-2.00	3.36e-04	0.0	3.65e-04
4073	144	11.67	6.30	-2.04	1.32e-05	0.0	-6.84e-04
4073	145	9.44	0.12	-2.52	1.96e-04	0.0	-5.41e-04
4073	171	-6.05	-11.61	-2.06	3.72e-04	0.0	4.14e-04
4073	176	11.69	6.21	-2.03	1.18e-05	0.0	-6.74e-04
4073	177	9.45	0.09	-2.50	1.92e-04	0.0	-5.32e-04
4073	203	-6.15	-11.53	-2.05	3.69e-04	0.0	4.15e-04
4073	208	13.70	7.28	-2.12	5.11e-06	0.0	-7.85e-04
4073	209	11.06	0.15	-2.67	2.15e-04	0.0	-6.18e-04
4073	235	-7.39	-13.43	-2.14	4.22e-04	0.0	4.96e-04
4074	28	0.62	-1.42	-2.56	1.37e-04	0.0	-2.43e-05
4074	44	0.55	-1.99	-2.34	1.60e-04	0.0	-2.31e-05
4074	52	0.62	-0.49	-2.50	8.64e-05	0.0	-2.32e-05
4074	80	0.44	-0.96	-1.82	9.40e-05	0.0	-1.75e-05
4074	88	0.39	-1.34	-1.67	1.09e-04	0.0	-1.67e-05
4074	92	0.44	-0.34	-1.78	6.05e-05	0.0	-1.68e-05
4074	98	0.37	-0.28	-1.51	4.93e-05	0.0	-1.47e-05
4074	105	0.35	-0.47	-1.47	5.81e-05	0.0	-1.45e-05
4074	107	0.35	-0.27	-1.46	4.69e-05	0.0	-1.43e-05
4074	112	10.56	5.59	-1.96	1.58e-05	0.0	-6.23e-04
4074	113	8.56	0.03	-2.39	1.37e-04	0.0	-4.92e-04
4074	139	-5.37	-10.48	-2.00	2.63e-04	0.0	3.74e-04
4074	144	11.85	6.32	-2.03	1.19e-05	0.0	-7.00e-04
4074	145	9.60	0.07	-2.50	1.49e-04	0.0	-5.53e-04
4074	171	-6.11	-11.76	-2.06	2.90e-04	0.0	4.24e-04
4074	176	11.87	6.24	-2.02	1.11e-05	0.0	-6.89e-04
4074	177	9.61	0.05	-2.48	1.46e-04	0.0	-5.43e-04
4074	203	-6.21	-11.68	-2.05	2.87e-04	0.0	4.26e-04
4074	208	13.91	7.32	-2.11	4.62e-06	0.0	-8.03e-04
4074	209	11.24	0.10	-2.65	1.62e-04	0.0	-6.29e-04
4074	235	-7.47	-13.61	-2.14	3.27e-04	0.0	5.09e-04
4075	28	0.66	-1.49	-2.56	1.37e-04	0.0	-2.70e-05
4075	44	0.58	-2.07	-2.34	1.60e-04	0.0	-2.53e-05
4075	52	0.66	-0.53	-2.50	8.71e-05	0.0	-2.60e-05
4075	80	0.46	-1.01	-1.82	9.44e-05	0.0	-1.94e-05
4075	88	0.41	-1.39	-1.67	1.09e-04	0.0	-1.82e-05
4075	92	0.47	-0.37	-1.78	6.09e-05	0.0	-1.87e-05
4075	98	0.39	-0.30	-1.52	4.96e-05	0.0	-1.62e-05
4075	105	0.37	-0.50	-1.47	5.83e-05	0.0	-1.59e-05
4075	107	0.37	-0.29	-1.46	4.72e-05	0.0	-1.57e-05
4075	112	10.70	5.60	-1.96	1.56e-05	0.0	-6.30e-04
4075	113	8.68	-7.07e-03	-2.38	1.24e-04	0.0	-4.97e-04
4075	139	-5.41	-10.59	-2.00	2.39e-04	0.0	3.77e-04
4075	144	12.01	6.34	-2.03	1.16e-05	0.0	-7.07e-04
4075	145	9.73	0.03	-2.50	1.33e-04	0.0	-5.58e-04
4075	171	-6.16	-11.89	-2.06	2.63e-04	0.0	4.28e-04
4075	176	12.03	6.25	-2.01	1.11e-05	0.0	-6.97e-04
4075	177	9.74	4.67e-03	-2.48	1.31e-04	0.0	-5.48e-04
4075	203	-6.27	-11.80	-2.05	2.61e-04	0.0	4.30e-04
4075	208	14.09	7.34	-2.11	4.66e-06	0.0	-8.11e-04
4075	209	11.39	0.06	-2.65	1.44e-04	0.0	-6.35e-04
4075	235	-7.54	-13.74	-2.14	2.96e-04	0.0	5.14e-04
4076	28	0.39	-1.08	-2.76	1.46e-04	0.0	3.05e-06
4076	44	0.35	-1.59	-2.48	1.74e-04	0.0	4.46e-06
4076	52	0.39	-0.27	-2.70	8.86e-05	0.0	2.05e-06
4076	80	0.28	-0.73	-1.94	1.01e-04	0.0	2.34e-06
4076	88	0.25	-1.07	-1.75	1.20e-04	0.0	3.27e-06
4076	92	0.28	-0.19	-1.90	6.26e-05	0.0	1.67e-06
4076	98	0.23	-0.16	-1.58	5.24e-05	0.0	1.30e-06
4076	105	0.22	-0.33	-1.52	6.28e-05	0.0	1.68e-06
4076	107	0.22	-0.15	-1.50	5.01e-05	0.0	1.46e-06
4076	112	9.30	4.32	-1.26	-1.96e-04	0.0	-5.84e-04

4076	139	-4.88	-8.63	-2.02	5.58e-04	0.0	3.63e-04
4076	144	10.45	4.88	-1.23	-2.27e-04	0.0	-6.58e-04
4076	171	-5.54	-9.70	-2.08	6.22e-04	0.0	4.10e-04
4076	176	10.48	4.82	-1.24	-2.21e-04	0.0	-6.53e-04
4076	203	-5.64	-9.62	-2.07	6.15e-04	0.0	4.15e-04
4076	208	12.29	5.65	-1.19	-2.66e-04	0.0	-7.66e-04
4076	235	-6.76	-11.20	-2.17	7.09e-04	0.0	4.95e-04
4077	28	0.38	-1.08	-2.82	1.43e-04	1.08e-04	3.36e-06
4077	44	0.34	-1.59	-2.53	1.71e-04	9.96e-05	4.89e-06
4077	52	0.38	-0.27	-2.75	8.78e-05	1.09e-04	3.00e-06
4077	80	0.27	-0.73	-1.98	9.94e-05	7.84e-05	2.88e-06
4077	88	0.24	-1.07	-1.78	1.18e-04	7.26e-05	3.90e-06
4077	92	0.27	-0.19	-1.94	6.23e-05	7.88e-05	2.64e-06
4077	98	0.23	-0.16	-1.61	5.24e-05	6.91e-05	2.58e-06
4077	105	0.22	-0.33	-1.55	6.27e-05	6.71e-05	2.95e-06
4077	107	0.22	-0.15	-1.53	5.03e-05	6.72e-05	2.87e-06
4077	112	9.29	4.13	-1.49	-1.85e-04	6.00e-04	-5.83e-04
4077	133	-0.28	-7.38	-2.07	5.08e-04	3.46e-05	4.12e-05
4077	139	-4.88	-8.56	-2.02	5.63e-04	-2.26e-04	3.64e-04
4077	144	10.45	4.67	-1.48	-2.14e-04	6.68e-04	-6.57e-04
4077	165	-0.35	-8.28	-2.14	5.65e-04	3.05e-05	4.66e-05
4077	171	-5.54	-9.62	-2.08	6.27e-04	-2.64e-04	4.11e-04
4077	176	10.47	4.61	-1.48	-2.08e-04	6.64e-04	-6.52e-04
4077	197	-0.37	-8.20	-2.13	5.59e-04	3.04e-05	4.87e-05
4077	203	-5.64	-9.53	-2.07	6.19e-04	-2.65e-04	4.16e-04
4077	208	12.29	5.40	-1.46	-2.50e-04	7.67e-04	-7.65e-04
4077	229	-0.48	-9.52	-2.23	6.43e-04	2.40e-05	5.98e-05
4077	235	-6.77	-11.10	-2.16	7.13e-04	-3.26e-04	4.96e-04
4078	28	0.43	-1.16	-2.80	1.46e-04	0.0	-3.81e-06
4078	44	0.38	-1.68	-2.51	1.72e-04	0.0	-1.71e-06
4078	52	0.43	-0.32	-2.74	8.95e-05	0.0	-4.41e-06
4078	80	0.30	-0.78	-1.97	1.00e-04	0.0	-2.12e-06
4078	88	0.27	-1.13	-1.78	1.18e-04	0.0	0.0
4078	92	0.30	-0.22	-1.93	6.24e-05	0.0	-2.52e-06
4078	98	0.26	-0.18	-1.60	5.08e-05	0.0	-1.06e-06
4078	105	0.25	-0.36	-1.54	6.07e-05	0.0	0.0
4078	107	0.25	-0.18	-1.52	4.81e-05	0.0	0.0
4078	112	9.65	4.41	-1.29	0.0	0.0	-5.91e-04
4078	139	-5.03	-8.92	-2.04	5.50e-04	0.0	3.65e-04
4078	144	10.84	4.99	-1.26	-4.96e-06	0.0	-6.66e-04
4078	171	-5.71	-10.01	-2.11	6.12e-04	0.0	4.13e-04
4078	176	10.87	4.93	-1.27	-6.91e-06	0.0	-6.59e-04
4078	203	-5.82	-9.93	-2.10	6.05e-04	0.0	4.16e-04
4078	208	12.74	5.78	-1.22	-1.70e-05	0.0	-7.71e-04
4078	235	-6.98	-11.57	-2.19	6.97e-04	0.0	4.96e-04
4079	28	0.43	-1.16	-2.84	1.46e-04	9.49e-05	-3.75e-06
4079	44	0.38	-1.68	-2.55	1.72e-04	8.60e-05	-1.64e-06
4079	52	0.43	-0.32	-2.78	9.04e-05	9.58e-05	-4.59e-06
4079	80	0.30	-0.79	-2.00	1.00e-04	6.86e-05	-2.17e-06
4079	88	0.27	-1.13	-1.80	1.17e-04	6.26e-05	0.0
4079	92	0.30	-0.22	-1.95	6.31e-05	6.92e-05	-2.73e-06
4079	98	0.26	-0.18	-1.62	5.13e-05	6.11e-05	-1.37e-06
4079	105	0.25	-0.36	-1.56	6.11e-05	5.91e-05	0.0
4079	107	0.25	-0.18	-1.55	4.86e-05	5.93e-05	-1.02e-06
4079	112	9.65	4.23	-1.50	-1.83e-04	6.32e-04	-5.91e-04
4079	133	-0.27	-7.64	-2.09	4.98e-04	2.48e-05	3.90e-05
4079	139	-5.03	-8.85	-2.03	5.53e-04	-2.55e-04	3.65e-04
4079	144	10.84	4.79	-1.50	-2.12e-04	7.05e-04	-6.65e-04
4079	165	-0.34	-8.57	-2.16	5.55e-04	2.04e-05	4.45e-05
4079	171	-5.71	-9.94	-2.09	6.16e-04	-2.95e-04	4.12e-04
4079	176	10.87	4.72	-1.49	-2.06e-04	7.00e-04	-6.58e-04
4079	197	-0.36	-8.48	-2.15	5.48e-04	2.03e-05	4.55e-05
4079	203	-5.82	-9.85	-2.09	6.08e-04	-2.96e-04	4.15e-04
4079	208	12.74	5.54	-1.48	-2.47e-04	8.10e-04	-7.71e-04
4079	229	-0.48	-9.85	-2.25	6.31e-04	1.36e-05	5.63e-05
4079	235	-6.98	-11.47	-2.18	7.01e-04	-3.61e-04	4.95e-04
4080	28	0.47	-1.24	-2.82	1.45e-04	0.0	-6.04e-06
4080	44	0.42	-1.77	-2.54	1.69e-04	0.0	-3.26e-06
4080	52	0.48	-0.36	-2.76	9.22e-05	0.0	-7.45e-06
4080	80	0.34	-0.84	-1.99	9.97e-05	0.0	-3.70e-06
4080	88	0.30	-1.19	-1.80	1.15e-04	0.0	-1.85e-06
4080	92	0.34	-0.26	-1.94	6.42e-05	0.0	-4.64e-06
4080	98	0.29	-0.21	-1.61	5.21e-05	0.0	-2.55e-06
4080	105	0.28	-0.39	-1.55	6.12e-05	0.0	-1.83e-06
4080	107	0.28	-0.20	-1.54	4.94e-05	0.0	-2.14e-06

4080	112	9.96	4.51	-1.48	0.0	0.0	-5.97e-04
4080	133	-0.26	-7.85	-2.06	5.50e-04	0.0	3.95e-05
4080	139	-5.15	-9.20	-2.01	5.51e-04	0.0	3.68e-04
4080	144	11.19	5.10	-1.47	-6.29e-06	0.0	-6.72e-04
4080	165	-0.33	-8.81	-2.13	6.12e-04	0.0	4.51e-05
4080	171	-5.86	-10.33	-2.07	6.14e-04	0.0	4.16e-04
4080	176	11.21	5.03	-1.46	-8.22e-06	0.0	-6.63e-04
4080	201	-0.66	-8.67	-2.12	5.42e-04	0.0	2.99e-05
4080	203	-5.96	-10.24	-2.06	6.06e-04	0.0	4.18e-04
4080	208	13.15	5.90	-1.45	-1.88e-05	0.0	-7.76e-04
4080	233	-0.75	-10.04	-2.21	6.22e-04	0.0	3.15e-05
4080	235	-7.15	-11.93	-2.15	6.98e-04	0.0	4.97e-04
4081	28	0.47	-1.24	-2.86	1.47e-04	9.04e-05	-5.94e-06
4081	44	0.42	-1.77	-2.57	1.70e-04	8.12e-05	-3.17e-06
4081	52	0.48	-0.37	-2.79	9.38e-05	9.11e-05	-7.38e-06
4081	80	0.34	-0.84	-2.01	1.01e-04	6.49e-05	-3.64e-06
4081	88	0.30	-1.20	-1.81	1.16e-04	5.87e-05	-1.79e-06
4081	92	0.34	-0.26	-1.97	6.54e-05	6.53e-05	-4.60e-06
4081	98	0.29	-0.21	-1.63	5.31e-05	5.68e-05	-2.53e-06
4081	105	0.28	-0.40	-1.57	6.21e-05	5.47e-05	-1.81e-06
4081	107	0.28	-0.20	-1.56	5.04e-05	5.49e-05	-2.13e-06
4081	112	9.96	4.32	-1.52	-1.76e-04	5.75e-04	-5.97e-04
4081	133	-0.26	-7.90	-2.11	4.90e-04	2.35e-05	3.94e-05
4081	139	-5.15	-9.13	-2.05	5.43e-04	-2.31e-04	3.68e-04
4081	144	11.19	4.89	-1.51	-2.04e-04	6.41e-04	-6.72e-04
4081	165	-0.33	-8.86	-2.18	5.45e-04	1.95e-05	4.51e-05
4081	171	-5.86	-10.26	-2.11	6.05e-04	-2.67e-04	4.16e-04
4081	176	11.21	4.83	-1.51	-1.99e-04	6.36e-04	-6.64e-04
4081	197	-0.35	-8.77	-2.16	5.39e-04	1.94e-05	4.56e-05
4081	203	-5.96	-10.16	-2.10	5.98e-04	-2.68e-04	4.18e-04
4081	208	13.15	5.66	-1.50	-2.39e-04	7.37e-04	-7.76e-04
4081	229	-0.47	-10.18	-2.26	6.20e-04	1.33e-05	5.63e-05
4081	235	-7.16	-11.83	-2.19	6.88e-04	-3.27e-04	4.97e-04
4082	28	0.51	-1.31	-2.85	1.45e-04	0.0	-1.16e-05
4082	44	0.46	-1.86	-2.57	1.65e-04	0.0	-7.68e-06
4082	52	0.51	-0.41	-2.79	9.59e-05	0.0	-1.36e-05
4082	80	0.36	-0.89	-2.00	9.93e-05	0.0	-7.51e-06
4082	88	0.33	-1.25	-1.82	1.13e-04	0.0	-4.93e-06
4082	92	0.37	-0.29	-1.96	6.68e-05	0.0	-8.87e-06
4082	98	0.31	-0.24	-1.63	5.39e-05	0.0	-5.68e-06
4082	105	0.30	-0.43	-1.57	6.20e-05	0.0	-4.67e-06
4082	107	0.30	-0.23	-1.56	5.11e-05	0.0	-5.12e-06
4082	112	10.26	4.60	-1.50	-1.79e-04	0.0	-6.03e-04
4082	133	-0.25	-8.11	-2.10	4.89e-04	0.0	3.96e-05
4082	139	-5.28	-9.49	-2.04	5.45e-04	0.0	3.70e-04
4082	144	11.53	5.21	-1.49	-2.07e-04	0.0	-6.79e-04
4082	165	-0.33	-9.10	-2.16	5.44e-04	0.0	4.57e-05
4082	171	-6.00	-10.65	-2.10	6.06e-04	0.0	4.18e-04
4082	176	11.55	5.14	-1.49	-2.02e-04	0.0	-6.69e-04
4082	197	-0.35	-9.01	-2.15	5.38e-04	0.0	4.67e-05
4082	203	-6.11	-10.56	-2.10	5.99e-04	0.0	4.20e-04
4082	208	13.54	6.03	-1.47	-2.43e-04	0.0	-7.81e-04
4082	229	-0.47	-10.45	-2.25	6.18e-04	0.0	5.85e-05
4082	235	-7.33	-12.30	-2.19	6.90e-04	0.0	5.00e-04
4083	28	0.51	-1.32	-2.87	1.46e-04	9.13e-05	-1.27e-05
4083	44	0.46	-1.86	-2.58	1.66e-04	7.99e-05	-8.47e-06
4083	52	0.52	-0.42	-2.81	9.70e-05	9.15e-05	-1.44e-05
4083	80	0.37	-0.89	-2.02	1.00e-04	6.40e-05	-8.10e-06
4083	88	0.33	-1.26	-1.83	1.14e-04	5.64e-05	-5.30e-06
4083	92	0.37	-0.29	-1.98	6.77e-05	6.41e-05	-9.28e-06
4083	98	0.31	-0.24	-1.64	5.49e-05	5.25e-05	-5.70e-06
4083	105	0.30	-0.43	-1.58	6.30e-05	5.00e-05	-4.64e-06
4083	107	0.30	-0.23	-1.56	5.21e-05	5.00e-05	-5.03e-06
4083	112	10.25	4.41	-1.53	-1.69e-04	4.44e-04	-5.98e-04
4083	133	-0.25	-8.15	-2.12	4.82e-04	2.62e-05	3.90e-05
4083	139	-5.27	-9.41	-2.06	5.34e-04	-1.67e-04	3.67e-04
4083	144	11.52	4.99	-1.52	-1.96e-04	4.94e-04	-6.73e-04
4083	165	-0.33	-9.14	-2.19	5.36e-04	2.32e-05	4.50e-05
4083	171	-6.00	-10.57	-2.12	5.94e-04	-1.94e-04	4.14e-04
4083	176	11.54	4.93	-1.52	-1.91e-04	4.91e-04	-6.62e-04
4083	197	-0.34	-9.05	-2.18	5.30e-04	2.31e-05	4.56e-05
4083	203	-6.10	-10.47	-2.11	5.87e-04	-1.95e-04	4.15e-04
4083	208	13.53	5.78	-1.51	-2.31e-04	5.73e-04	-7.73e-04
4083	229	-0.47	-10.50	-2.28	6.08e-04	1.84e-05	5.70e-05
4083	235	-7.33	-12.19	-2.20	6.76e-04	-2.40e-04	4.94e-04

4084	28	0.57	-1.38	-2.86	1.44e-04	0.0	-1.10e-05
4084	44	0.50	-1.94	-2.58	1.61e-04	0.0	-9.20e-06
4084	52	0.57	-0.46	-2.80	9.99e-05	0.0	-1.19e-05
4084	80	0.40	-0.94	-2.01	9.93e-05	0.0	-7.73e-06
4084	88	0.36	-1.31	-1.83	1.10e-04	0.0	-6.51e-06
4084	92	0.40	-0.32	-1.97	6.96e-05	0.0	-8.29e-06
4084	98	0.34	-0.27	-1.64	5.63e-05	0.0	-6.54e-06
4084	105	0.33	-0.46	-1.58	6.33e-05	0.0	-6.07e-06
4084	107	0.33	-0.25	-1.56	5.34e-05	0.0	-6.26e-06
4084	112	10.40	4.69	-1.52	-1.65e-04	0.0	-6.24e-04
4084	133	-0.24	-8.35	-2.11	4.77e-04	0.0	3.99e-05
4084	139	-5.32	-9.76	-2.05	5.28e-04	0.0	3.81e-04
4084	144	11.68	5.31	-1.51	-1.92e-04	0.0	-7.03e-04
4084	165	-0.31	-9.36	-2.18	5.30e-04	0.0	4.63e-05
4084	171	-6.05	-10.95	-2.12	5.88e-04	0.0	4.31e-04
4084	176	11.70	5.24	-1.50	-1.86e-04	0.0	-6.94e-04
4084	197	-0.33	-9.27	-2.17	5.24e-04	0.0	4.80e-05
4084	203	-6.16	-10.86	-2.11	5.81e-04	0.0	4.33e-04
4084	208	13.71	6.15	-1.49	-2.25e-04	0.0	-8.10e-04
4084	229	-0.45	-10.76	-2.27	6.01e-04	0.0	6.06e-05
4084	235	-7.40	-12.64	-2.20	6.68e-04	0.0	5.17e-04
4085	28	0.57	-1.39	-2.89	1.46e-04	9.51e-05	-1.13e-05
4085	44	0.50	-1.94	-2.60	1.63e-04	8.16e-05	-8.98e-06
4085	52	0.57	-0.47	-2.82	1.01e-04	9.48e-05	-1.25e-05
4085	80	0.40	-0.94	-2.03	1.00e-04	6.53e-05	-7.88e-06
4085	88	0.36	-1.31	-1.84	1.12e-04	5.63e-05	-6.35e-06
4085	92	0.40	-0.33	-1.99	7.04e-05	6.51e-05	-8.71e-06
4085	98	0.34	-0.27	-1.65	5.72e-05	5.02e-05	-6.86e-06
4085	105	0.33	-0.46	-1.59	6.43e-05	4.73e-05	-6.26e-06
4085	107	0.33	-0.25	-1.57	5.44e-05	4.72e-05	-6.54e-06
4085	112	10.41	4.49	-1.54	-1.63e-04	3.36e-04	-6.22e-04
4085	133	-0.24	-8.39	-2.13	4.75e-04	2.93e-05	3.84e-05
4085	139	-5.32	-9.68	-2.07	5.27e-04	-1.12e-04	3.78e-04
4085	144	11.69	5.09	-1.54	-1.90e-04	3.73e-04	-7.00e-04
4085	165	-0.31	-9.40	-2.20	5.27e-04	2.71e-05	4.46e-05
4085	171	-6.05	-10.86	-2.13	5.86e-04	-1.33e-04	4.28e-04
4085	176	11.71	5.02	-1.53	-1.86e-04	3.71e-04	-6.91e-04
4085	197	-0.33	-9.31	-2.19	5.21e-04	2.69e-05	4.60e-05
4085	203	-6.16	-10.76	-2.12	5.79e-04	-1.33e-04	4.30e-04
4085	208	13.72	5.89	-1.52	-2.24e-04	4.27e-04	-8.07e-04
4085	229	-0.45	-10.80	-2.29	5.98e-04	2.34e-05	5.82e-05
4085	235	-7.40	-12.52	-2.21	6.66e-04	-1.67e-04	5.14e-04
4086	28	0.62	-1.46	-2.88	1.42e-04	0.0	-1.15e-05
4086	44	0.55	-2.02	-2.60	1.59e-04	0.0	-9.07e-06
4086	52	0.63	-0.51	-2.82	1.02e-04	0.0	-1.12e-05
4086	80	0.44	-0.99	-2.03	9.88e-05	0.0	-7.83e-06
4086	88	0.39	-1.36	-1.84	1.10e-04	0.0	-6.20e-06
4086	92	0.44	-0.36	-1.99	7.17e-05	0.0	-7.64e-06
4086	98	0.37	-0.29	-1.65	5.92e-05	0.0	-6.63e-06
4086	105	0.35	-0.49	-1.59	6.58e-05	0.0	-6.10e-06
4086	107	0.35	-0.28	-1.57	5.68e-05	0.0	-6.04e-06
4086	112	10.57	4.77	-1.53	1.10e-06	0.0	-6.16e-04
4086	133	-0.22	-8.58	-2.12	5.12e-04	0.0	4.26e-05
4086	139	-5.37	-10.02	-2.07	5.13e-04	0.0	3.79e-04
4086	144	11.87	5.40	-1.52	-5.84e-06	0.0	-6.93e-04
4086	165	-0.29	-9.62	-2.19	5.69e-04	0.0	4.93e-05
4086	171	-6.11	-11.24	-2.13	5.70e-04	0.0	4.28e-04
4086	176	11.89	5.33	-1.51	-8.16e-06	0.0	-6.82e-04
4086	197	-0.31	-9.53	-2.18	5.61e-04	0.0	5.09e-05
4086	203	-6.22	-11.14	-2.12	5.62e-04	0.0	4.29e-04
4086	208	13.92	6.26	-1.50	-2.03e-05	0.0	-7.96e-04
4086	229	-0.44	-11.05	-2.28	6.43e-04	0.0	6.40e-05
4086	235	-7.47	-12.96	-2.21	6.46e-04	0.0	5.12e-04
4087	28	0.62	-1.46	-2.91	1.45e-04	9.17e-05	-9.06e-06
4087	44	0.55	-2.02	-2.62	1.61e-04	7.78e-05	-7.60e-06
4087	52	0.62	-0.52	-2.85	1.04e-04	9.13e-05	-9.74e-06
4087	80	0.44	-0.99	-2.04	1.01e-04	6.26e-05	-6.82e-06
4087	88	0.39	-1.37	-1.85	1.12e-04	5.33e-05	-5.84e-06
4087	92	0.44	-0.36	-2.00	7.38e-05	6.24e-05	-7.27e-06
4087	98	0.37	-0.30	-1.66	6.12e-05	4.79e-05	-7.46e-06
4087	105	0.35	-0.49	-1.60	6.79e-05	4.49e-05	-7.08e-06
4087	107	0.35	-0.28	-1.58	5.88e-05	4.48e-05	-7.23e-06
4087	112	10.57	4.58	-1.56	4.17e-06	3.02e-04	-6.26e-04
4087	133	-0.22	-8.62	-2.15	5.07e-04	2.97e-05	4.22e-05
4087	139	-5.37	-9.94	-2.08	5.08e-04	-9.66e-05	3.83e-04

4087	144	11.87	5.19	-1.56	-2.64e-06	3.34e-04	-7.04e-04
4087	165	-0.30	-9.66	-2.22	5.63e-04	2.78e-05	4.90e-05
4087	171	-6.11	-11.15	-2.14	5.64e-04	-1.15e-04	4.33e-04
4087	176	11.89	5.12	-1.55	-4.63e-06	3.32e-04	-6.94e-04
4087	197	-0.31	-9.56	-2.21	5.55e-04	2.76e-05	5.10e-05
4087	203	-6.22	-11.05	-2.14	5.57e-04	-1.16e-04	4.36e-04
4087	208	13.93	6.01	-1.54	-1.64e-05	3.82e-04	-8.10e-04
4087	229	-0.44	-11.09	-2.31	6.36e-04	2.45e-05	6.45e-05
4087	235	-7.48	-12.85	-2.23	6.39e-04	-1.45e-04	5.20e-04
4088	28	0.66	-1.53	-2.91	1.40e-04	0.0	-2.32e-05
4088	44	0.58	-2.10	-2.63	1.57e-04	0.0	-2.16e-05
4088	52	0.66	-0.56	-2.85	1.00e-04	0.0	-2.25e-05
4088	80	0.46	-1.04	-2.05	9.77e-05	0.0	-1.67e-05
4088	88	0.41	-1.42	-1.86	1.09e-04	0.0	-1.56e-05
4088	92	0.47	-0.40	-2.00	7.15e-05	0.0	-1.61e-05
4088	98	0.39	-0.32	-1.66	6.00e-05	0.0	-1.42e-05
4088	105	0.37	-0.52	-1.60	6.67e-05	0.0	-1.39e-05
4088	107	0.37	-0.31	-1.59	5.80e-05	0.0	-1.37e-05
4088	112	10.70	4.83	-1.53	1.62e-06	0.0	-6.29e-04
4088	133	-0.21	-8.82	-2.13	5.03e-04	0.0	4.25e-05
4088	139	-5.41	-10.26	-2.08	4.60e-04	0.0	3.80e-04
4088	144	12.01	5.47	-1.53	-5.43e-06	0.0	-7.06e-04
4088	165	-0.28	-9.88	-2.20	5.58e-04	0.0	5.01e-05
4088	171	-6.16	-11.51	-2.14	5.10e-04	0.0	4.30e-04
4088	176	12.03	5.40	-1.52	-8.36e-06	0.0	-6.96e-04
4088	197	-0.30	-9.78	-2.19	5.50e-04	0.0	5.25e-05
4088	203	-6.27	-11.41	-2.13	5.05e-04	0.0	4.32e-04
4088	208	14.09	6.34	-1.51	-2.12e-05	0.0	-8.10e-04
4088	229	-0.43	-11.34	-2.29	6.30e-04	0.0	6.75e-05
4088	235	-7.54	-13.27	-2.22	5.78e-04	0.0	5.17e-04
4089	28	0.66	-1.53	-2.94	1.46e-04	7.84e-05	-2.35e-05
4089	44	0.58	-2.11	-2.66	1.66e-04	6.67e-05	-2.18e-05
4089	52	0.66	-0.57	-2.88	1.09e-04	7.88e-05	-2.36e-05
4089	80	0.46	-1.04	-2.07	1.04e-04	5.44e-05	-1.72e-05
4089	88	0.41	-1.42	-1.88	1.18e-04	4.66e-05	-1.61e-05
4089	92	0.46	-0.40	-2.03	7.95e-05	5.47e-05	-1.73e-05
4089	98	0.39	-0.33	-1.68	6.92e-05	4.45e-05	-1.58e-05
4089	105	0.37	-0.53	-1.62	7.65e-05	4.18e-05	-1.54e-05
4089	107	0.37	-0.31	-1.60	6.83e-05	4.19e-05	-1.54e-05
4089	112	10.70	4.63	-1.59	1.83e-05	2.85e-04	-6.43e-04
4089	133	-0.21	-8.85	-2.18	4.93e-04	2.66e-05	4.19e-05
4089	139	-5.41	-10.18	-2.10	4.53e-04	-9.17e-05	3.88e-04
4089	144	12.01	5.25	-1.58	1.20e-05	3.16e-04	-7.23e-04
4089	165	-0.28	-9.92	-2.25	5.46e-04	2.47e-05	4.97e-05
4089	171	-6.16	-11.42	-2.16	5.01e-04	-1.09e-04	4.40e-04
4089	176	12.03	5.17	-1.58	8.00e-06	3.13e-04	-7.12e-04
4089	197	-0.30	-9.81	-2.23	5.38e-04	2.47e-05	5.25e-05
4089	203	-6.27	-11.32	-2.16	4.96e-04	-1.08e-04	4.43e-04
4089	208	14.09	6.08	-1.57	-4.45e-06	3.60e-04	-8.30e-04
4089	229	-0.43	-11.38	-2.34	6.14e-04	2.18e-05	6.80e-05
4089	235	-7.54	-13.15	-2.25	5.67e-04	-1.36e-04	5.30e-04
4090	28	0.56	-1.36	-2.67	1.39e-04	0.0	-2.39e-05
4090	44	0.50	-1.92	-2.43	1.59e-04	0.0	-2.68e-05
4090	52	0.56	-0.45	-2.61	9.15e-05	0.0	-1.58e-05
4090	80	0.40	-0.92	-1.89	9.56e-05	0.0	-1.65e-05
4090	88	0.36	-1.29	-1.73	1.09e-04	0.0	-1.84e-05
4090	92	0.40	-0.31	-1.85	6.42e-05	0.0	-1.10e-05
4090	98	0.34	-0.26	-1.56	5.26e-05	0.0	-9.49e-06
4090	105	0.32	-0.45	-1.51	6.06e-05	0.0	-1.07e-05
4090	107	0.32	-0.25	-1.50	5.02e-05	0.0	-8.93e-06
4090	112	10.39	5.27	-1.82	1.12e-05	0.0	-6.91e-04
4090	133	-0.24	-8.43	-2.29	3.56e-04	0.0	1.53e-04
4090	139	-5.31	-10.15	-2.02	3.58e-04	0.0	5.08e-04
4090	144	11.67	5.97	-1.86	6.33e-06	0.0	-7.77e-04
4090	165	-0.31	-9.46	-2.39	3.94e-04	0.0	1.74e-04
4090	171	-6.05	-11.39	-2.09	3.96e-04	0.0	5.74e-04
4090	176	11.69	5.89	-1.85	4.98e-06	0.0	-7.65e-04
4090	197	-0.33	-9.37	-2.38	3.88e-04	0.0	1.79e-04
4090	203	-6.15	-11.30	-2.08	3.92e-04	0.0	5.77e-04
4090	208	13.70	6.90	-1.91	-3.37e-06	0.0	-8.92e-04
4090	229	-0.46	-10.88	-2.52	4.44e-04	0.0	2.15e-04
4090	235	-7.39	-13.17	-2.17	4.49e-04	0.0	6.85e-04
4091	28	0.50	-1.29	-2.67	1.39e-04	0.0	-2.16e-05
4091	44	0.45	-1.84	-2.43	1.59e-04	0.0	-2.67e-05
4091	52	0.50	-0.40	-2.61	9.15e-05	0.0	-1.13e-05

4091	80	0.36	-0.88	-1.89	9.56e-05	0.0	-1.49e-05
4091	88	0.32	-1.24	-1.73	1.09e-04	0.0	-1.82e-05
4091	92	0.36	-0.28	-1.85	6.42e-05	0.0	-7.97e-06
4091	98	0.31	-0.23	-1.56	5.25e-05	0.0	-7.17e-06
4091	105	0.29	-0.42	-1.51	6.06e-05	0.0	-9.06e-06
4091	107	0.29	-0.22	-1.50	5.01e-05	0.0	-6.75e-06
4091	112	10.26	5.23	-1.82	1.12e-05	0.0	-7.04e-04
4091	133	-0.26	-8.26	-2.29	3.62e-04	0.0	1.86e-04
4091	139	-5.29	-9.96	-2.02	3.65e-04	0.0	5.43e-04
4091	144	11.52	5.91	-1.86	6.39e-06	0.0	-7.92e-04
4091	165	-0.33	-9.27	-2.39	4.01e-04	0.0	2.11e-04
4091	171	-6.01	-11.19	-2.09	4.04e-04	0.0	6.14e-04
4091	176	11.54	5.84	-1.85	4.99e-06	0.0	-7.80e-04
4091	197	-0.35	-9.19	-2.37	3.96e-04	0.0	2.15e-04
4091	203	-6.12	-11.10	-2.08	4.00e-04	0.0	6.16e-04
4091	208	13.53	6.84	-1.90	-3.36e-06	0.0	-9.10e-04
4091	229	-0.48	-10.67	-2.51	4.53e-04	0.0	2.57e-04
4091	235	-7.34	-12.94	-2.17	4.58e-04	0.0	7.31e-04
4092	28	0.62	-1.43	-2.67	1.39e-04	0.0	-2.60e-05
4092	44	0.55	-2.00	-2.43	1.59e-04	0.0	-2.63e-05
4092	52	0.62	-0.49	-2.61	9.16e-05	0.0	-2.11e-05
4092	80	0.44	-0.97	-1.89	9.57e-05	0.0	-1.81e-05
4092	88	0.39	-1.35	-1.73	1.09e-04	0.0	-1.83e-05
4092	92	0.44	-0.35	-1.85	6.43e-05	0.0	-1.48e-05
4092	98	0.37	-0.28	-1.56	5.27e-05	0.0	-1.26e-05
4092	105	0.35	-0.48	-1.51	6.07e-05	0.0	-1.30e-05
4092	107	0.35	-0.27	-1.50	5.03e-05	0.0	-1.19e-05
4092	112	10.56	5.31	-1.82	1.11e-05	0.0	-6.59e-04
4092	133	-0.22	-8.59	-2.30	3.38e-04	0.0	9.23e-05
4092	139	-5.37	-10.32	-2.02	3.40e-04	0.0	4.38e-04
4092	144	11.86	6.01	-1.86	6.18e-06	0.0	-7.41e-04
4092	165	-0.30	-9.64	-2.39	3.73e-04	0.0	1.06e-04
4092	171	-6.11	-11.59	-2.09	3.76e-04	0.0	4.96e-04
4092	176	11.88	5.93	-1.85	4.94e-06	0.0	-7.30e-04
4092	197	-0.31	-9.55	-2.38	3.69e-04	0.0	1.10e-04
4092	203	-6.22	-11.50	-2.08	3.72e-04	0.0	4.99e-04
4092	208	13.91	6.96	-1.91	-3.40e-06	0.0	-8.50e-04
4092	229	-0.44	-11.08	-2.52	4.21e-04	0.0	1.36e-04
4092	235	-7.47	-13.39	-2.17	4.26e-04	0.0	5.95e-04
4093	28	0.66	-1.50	-2.67	1.39e-04	0.0	-2.68e-05
4093	44	0.58	-2.08	-2.43	1.59e-04	0.0	-2.51e-05
4093	52	0.66	-0.54	-2.61	9.17e-05	0.0	-2.56e-05
4093	80	0.46	-1.02	-1.89	9.57e-05	0.0	-1.92e-05
4093	88	0.41	-1.40	-1.73	1.09e-04	0.0	-1.80e-05
4093	92	0.47	-0.38	-1.85	6.44e-05	0.0	-1.84e-05
4093	98	0.39	-0.31	-1.56	5.27e-05	0.0	-1.60e-05
4093	105	0.37	-0.51	-1.51	6.08e-05	0.0	-1.57e-05
4093	107	0.37	-0.30	-1.50	5.03e-05	0.0	-1.55e-05
4093	112	10.70	5.34	-1.82	1.09e-05	0.0	-6.31e-04
4093	133	-0.21	-8.74	-2.29	3.27e-04	0.0	4.23e-05
4093	139	-5.41	-10.48	-2.02	3.30e-04	0.0	3.80e-04
4093	144	12.01	6.05	-1.86	6.01e-06	0.0	-7.09e-04
4093	165	-0.28	-9.80	-2.39	3.62e-04	0.0	5.02e-05
4093	171	-6.16	-11.76	-2.09	3.65e-04	0.0	4.30e-04
4093	176	12.03	5.97	-1.85	4.84e-06	0.0	-6.98e-04
4093	197	-0.30	-9.71	-2.38	3.57e-04	0.0	5.27e-05
4093	203	-6.27	-11.67	-2.08	3.61e-04	0.0	4.32e-04
4093	208	14.09	7.01	-1.91	-3.50e-06	0.0	-8.13e-04
4093	229	-0.43	-11.27	-2.52	4.07e-04	0.0	6.81e-05
4093	235	-7.54	-13.59	-2.17	4.13e-04	0.0	5.17e-04
4094	28	0.56	-1.37	-2.78	1.40e-04	0.0	-2.40e-05
4094	44	0.50	-1.93	-2.52	1.59e-04	0.0	-2.70e-05
4094	52	0.57	-0.46	-2.72	9.59e-05	0.0	-1.56e-05
4094	80	0.40	-0.93	-1.96	9.70e-05	0.0	-1.65e-05
4094	88	0.36	-1.30	-1.79	1.09e-04	0.0	-1.85e-05
4094	92	0.40	-0.32	-1.92	6.73e-05	0.0	-1.09e-05
4094	98	0.34	-0.26	-1.61	5.50e-05	0.0	-9.29e-06
4094	105	0.32	-0.45	-1.55	6.24e-05	0.0	-1.06e-05
4094	107	0.32	-0.25	-1.54	5.25e-05	0.0	-8.72e-06
4094	112	10.39	4.98	-1.66	6.11e-06	0.0	-6.91e-04
4094	133	-0.24	-8.39	-2.20	4.33e-04	0.0	1.55e-04
4094	139	-5.32	-9.95	-2.05	4.35e-04	0.0	5.09e-04
4094	144	11.67	5.64	-1.68	0.0	0.0	-7.77e-04
4094	165	-0.31	-9.41	-2.28	4.80e-04	0.0	1.76e-04
4094	171	-6.05	-11.17	-2.11	4.82e-04	0.0	5.75e-04

4094	176	11.69	5.56	-1.67	-1.10e-06	0.0	-7.65e-04
4094	197	-0.33	-9.32	-2.27	4.74e-04	0.0	1.81e-04
4094	203	-6.15	-11.08	-2.10	4.77e-04	0.0	5.78e-04
4094	208	13.70	6.53	-1.69	-1.09e-05	0.0	-8.91e-04
4094	229	-0.45	-10.82	-2.39	5.43e-04	0.0	2.17e-04
4094	235	-7.39	-12.90	-2.20	5.47e-04	0.0	6.87e-04
4095	28	0.50	-1.30	-2.78	1.41e-04	0.0	-2.11e-05
4095	44	0.45	-1.85	-2.52	1.59e-04	0.0	-2.61e-05
4095	52	0.50	-0.41	-2.72	9.59e-05	0.0	-1.15e-05
4095	80	0.36	-0.88	-1.96	9.71e-05	0.0	-1.47e-05
4095	88	0.32	-1.25	-1.79	1.09e-04	0.0	-1.81e-05
4095	92	0.36	-0.29	-1.92	6.72e-05	0.0	-8.31e-06
4095	98	0.31	-0.23	-1.60	5.48e-05	0.0	-7.73e-06
4095	105	0.30	-0.42	-1.55	6.23e-05	0.0	-9.55e-06
4095	107	0.30	-0.22	-1.54	5.23e-05	0.0	-7.41e-06
4095	112	10.27	4.92	-1.66	6.40e-06	0.0	-7.28e-04
4095	133	-0.26	-8.19	-2.20	4.36e-04	0.0	2.13e-04
4095	139	-5.29	-9.74	-2.05	4.38e-04	0.0	5.78e-04
4095	144	11.53	5.57	-1.68	0.0	0.0	-8.19e-04
4095	165	-0.33	-9.19	-2.29	4.84e-04	0.0	2.41e-04
4095	171	-6.01	-10.93	-2.11	4.86e-04	0.0	6.53e-04
4095	176	11.56	5.50	-1.67	0.0	0.0	-8.07e-04
4095	197	-0.35	-9.11	-2.27	4.77e-04	0.0	2.46e-04
4095	203	-6.12	-10.84	-2.10	4.81e-04	0.0	6.55e-04
4095	208	13.55	6.45	-1.69	-1.02e-05	0.0	-9.41e-04
4095	229	-0.47	-10.57	-2.39	5.47e-04	0.0	2.93e-04
4095	235	-7.35	-12.63	-2.19	5.51e-04	0.0	7.77e-04
4096	28	0.62	-1.44	-2.78	1.40e-04	0.0	-2.66e-05
4096	44	0.55	-2.01	-2.52	1.58e-04	0.0	-2.67e-05
4096	52	0.62	-0.50	-2.72	9.59e-05	0.0	-2.12e-05
4096	80	0.44	-0.98	-1.96	9.68e-05	0.0	-1.83e-05
4096	88	0.39	-1.36	-1.79	1.09e-04	0.0	-1.84e-05
4096	92	0.44	-0.35	-1.92	6.75e-05	0.0	-1.47e-05
4096	98	0.37	-0.29	-1.61	5.55e-05	0.0	-1.21e-05
4096	105	0.35	-0.48	-1.55	6.29e-05	0.0	-1.26e-05
4096	107	0.35	-0.28	-1.54	5.31e-05	0.0	-1.14e-05
4096	112	10.56	5.04	-1.66	5.87e-06	0.0	-6.53e-04
4096	133	-0.22	-8.59	-2.20	4.23e-04	0.0	9.04e-05
4096	139	-5.37	-10.17	-2.05	4.24e-04	0.0	4.34e-04
4096	144	11.86	5.70	-1.68	0.0	0.0	-7.35e-04
4096	165	-0.30	-9.63	-2.28	4.69e-04	0.0	1.04e-04
4096	171	-6.11	-11.41	-2.11	4.71e-04	0.0	4.91e-04
4096	176	11.88	5.63	-1.67	-1.70e-06	0.0	-7.23e-04
4096	197	-0.31	-9.54	-2.27	4.63e-04	0.0	1.08e-04
4096	203	-6.22	-11.32	-2.10	4.65e-04	0.0	4.94e-04
4096	208	13.92	6.61	-1.69	-1.18e-05	0.0	-8.42e-04
4096	229	-0.44	-11.07	-2.39	5.29e-04	0.0	1.33e-04
4096	235	-7.47	-13.17	-2.20	5.33e-04	0.0	5.89e-04
4097	28	0.66	-1.51	-2.78	1.39e-04	0.0	-2.67e-05
4097	44	0.58	-2.09	-2.52	1.58e-04	0.0	-2.50e-05
4097	52	0.66	-0.55	-2.72	9.58e-05	0.0	-2.56e-05
4097	80	0.46	-1.03	-1.96	9.66e-05	0.0	-1.91e-05
4097	88	0.41	-1.41	-1.79	1.09e-04	0.0	-1.80e-05
4097	92	0.47	-0.39	-1.92	6.77e-05	0.0	-1.84e-05
4097	98	0.39	-0.32	-1.61	5.59e-05	0.0	-1.60e-05
4097	105	0.37	-0.52	-1.55	6.33e-05	0.0	-1.57e-05
4097	107	0.37	-0.30	-1.54	5.36e-05	0.0	-1.55e-05
4097	112	10.70	5.08	-1.66	5.99e-06	0.0	-6.32e-04
4097	133	-0.21	-8.78	-2.20	4.16e-04	0.0	4.22e-05
4097	139	-5.41	-10.37	-2.05	4.17e-04	0.0	3.80e-04
4097	144	12.01	5.76	-1.68	0.0	0.0	-7.10e-04
4097	165	-0.28	-9.84	-2.28	4.61e-04	0.0	5.01e-05
4097	171	-6.16	-11.64	-2.11	4.63e-04	0.0	4.31e-04
4097	176	12.03	5.68	-1.67	-1.83e-06	0.0	-6.99e-04
4097	197	-0.30	-9.75	-2.27	4.55e-04	0.0	5.27e-05
4097	203	-6.27	-11.54	-2.10	4.57e-04	0.0	4.33e-04
4097	208	14.09	6.67	-1.69	-1.22e-05	0.0	-8.14e-04
4097	229	-0.43	-11.30	-2.39	5.20e-04	0.0	6.80e-05
4097	235	-7.54	-13.43	-2.20	5.23e-04	0.0	5.18e-04
4098	28	0.37	-1.09	-2.87	1.45e-04	0.0	-6.23e-06
4098	44	0.33	-1.59	-2.57	1.71e-04	0.0	-4.27e-06
4098	52	0.38	-0.28	-2.81	8.96e-05	0.0	-6.48e-06
4098	80	0.26	-0.73	-2.02	1.00e-04	0.0	-3.91e-06
4098	88	0.24	-1.07	-1.82	1.17e-04	0.0	-2.61e-06
4098	92	0.27	-0.19	-1.98	6.29e-05	0.0	-4.08e-06

4098	98	0.22	-0.16	-1.64	5.18e-05	0.0	-2.57e-06
4098	105	0.21	-0.33	-1.58	6.17e-05	0.0	-2.12e-06
4098	107	0.21	-0.15	-1.57	4.93e-05	0.0	-2.17e-06
4098	112	9.30	3.84	-1.67	-3.27e-05	0.0	-5.53e-04
4098	133	-0.29	-7.44	-2.20	5.93e-04	0.0	3.67e-05
4098	139	-4.89	-8.45	-2.06	5.93e-04	0.0	3.40e-04
4098	144	10.45	4.35	-1.68	-4.29e-05	0.0	-6.23e-04
4098	165	-0.36	-8.35	-2.27	6.61e-04	0.0	4.21e-05
4098	171	-5.55	-9.49	-2.12	6.61e-04	0.0	3.84e-04
4098	176	10.48	4.29	-1.68	-4.42e-05	0.0	-6.15e-04
4098	197	-0.37	-8.26	-2.26	6.51e-04	0.0	4.32e-05
4098	203	-5.65	-9.40	-2.11	6.52e-04	0.0	3.86e-04
4098	208	12.30	5.03	-1.70	-6.06e-05	0.0	-7.20e-04
4098	229	-0.49	-9.59	-2.37	7.50e-04	0.0	5.37e-05
4098	235	-6.78	-10.94	-2.20	7.51e-04	0.0	4.60e-04
4099	28	0.42	-1.16	-2.89	1.48e-04	0.0	-6.95e-06
4099	44	0.38	-1.69	-2.60	1.72e-04	0.0	-3.91e-06
4099	52	0.43	-0.32	-2.83	9.31e-05	0.0	-9.10e-06
4099	80	0.30	-0.79	-2.03	1.01e-04	0.0	-4.68e-06
4099	88	0.27	-1.13	-1.84	1.18e-04	0.0	-2.66e-06
4099	92	0.30	-0.23	-1.99	6.50e-05	0.0	-6.12e-06
4099	98	0.26	-0.19	-1.66	5.29e-05	0.0	-4.53e-06
4099	105	0.25	-0.36	-1.60	6.24e-05	0.0	-3.70e-06
4099	107	0.25	-0.18	-1.58	5.02e-05	0.0	-4.17e-06
4099	112	9.64	3.94	-1.68	-1.75e-04	0.0	-5.69e-04
4099	133	-0.28	-7.72	-2.21	5.25e-04	0.0	3.55e-05
4099	139	-5.03	-8.76	-2.07	5.71e-04	0.0	3.47e-04
4099	144	10.84	4.45	-1.69	-2.03e-04	0.0	-6.40e-04
4099	165	-0.34	-8.67	-2.29	5.84e-04	0.0	4.08e-05
4099	171	-5.71	-9.83	-2.14	6.36e-04	0.0	3.92e-04
4099	176	10.86	4.40	-1.69	-1.98e-04	0.0	-6.32e-04
4099	197	-0.36	-8.57	-2.28	5.77e-04	0.0	4.07e-05
4099	203	-5.81	-9.74	-2.13	6.28e-04	0.0	3.93e-04
4099	208	12.74	5.15	-1.70	-2.38e-04	0.0	-7.38e-04
4099	229	-0.48	-9.95	-2.39	6.63e-04	0.0	5.04e-05
4099	235	-6.98	-11.33	-2.21	7.23e-04	0.0	4.68e-04
4100	28	0.47	-1.24	-2.91	1.49e-04	0.0	-7.88e-06
4100	44	0.42	-1.78	-2.61	1.71e-04	0.0	-4.14e-06
4100	52	0.48	-0.37	-2.85	9.63e-05	0.0	-1.12e-05
4100	80	0.34	-0.84	-2.05	1.02e-04	0.0	-5.49e-06
4100	88	0.30	-1.20	-1.85	1.17e-04	0.0	-3.00e-06
4100	92	0.34	-0.26	-2.00	6.73e-05	0.0	-7.69e-06
4100	98	0.29	-0.21	-1.67	5.46e-05	0.0	-5.96e-06
4100	105	0.28	-0.40	-1.61	6.35e-05	0.0	-4.89e-06
4100	107	0.28	-0.20	-1.59	5.19e-05	0.0	-5.62e-06
4100	112	9.96	4.03	-1.68	-1.64e-04	0.0	-5.81e-04
4100	133	-0.26	-7.99	-2.22	4.97e-04	0.0	3.65e-05
4100	139	-5.15	-9.05	-2.08	5.44e-04	0.0	3.54e-04
4100	144	11.19	4.56	-1.69	-1.91e-04	0.0	-6.54e-04
4100	165	-0.33	-8.96	-2.30	5.53e-04	0.0	4.21e-05
4100	171	-5.86	-10.16	-2.15	6.05e-04	0.0	4.00e-04
4100	176	11.22	4.50	-1.69	-1.87e-04	0.0	-6.44e-04
4100	197	-0.35	-8.86	-2.28	5.46e-04	0.0	4.12e-05
4100	203	-5.96	-10.06	-2.14	5.98e-04	0.0	4.00e-04
4100	208	13.15	5.28	-1.71	-2.26e-04	0.0	-7.52e-04
4100	229	-0.47	-10.29	-2.40	6.27e-04	0.0	5.09e-05
4100	235	-7.16	-11.70	-2.22	6.89e-04	0.0	4.76e-04
4101	28	0.52	-1.32	-2.92	1.48e-04	0.0	-1.03e-05
4101	44	0.46	-1.87	-2.63	1.69e-04	0.0	-6.20e-06
4101	52	0.52	-0.42	-2.86	9.94e-05	0.0	-1.40e-05
4101	80	0.37	-0.89	-2.05	1.02e-04	0.0	-7.28e-06
4101	88	0.33	-1.26	-1.86	1.16e-04	0.0	-4.55e-06
4101	92	0.37	-0.30	-2.01	6.96e-05	0.0	-9.72e-06
4101	98	0.32	-0.24	-1.67	5.69e-05	0.0	-7.74e-06
4101	105	0.30	-0.43	-1.61	6.50e-05	0.0	-6.56e-06
4101	107	0.30	-0.23	-1.60	5.42e-05	0.0	-7.37e-06
4101	112	10.25	4.11	-1.69	-1.51e-04	0.0	-5.93e-04
4101	133	-0.25	-8.24	-2.22	4.71e-04	0.0	3.54e-05
4101	139	-5.27	-9.32	-2.09	5.16e-04	0.0	3.58e-04
4101	144	11.51	4.65	-1.70	-1.76e-04	0.0	-6.67e-04
4101	165	-0.32	-9.24	-2.30	5.23e-04	0.0	4.10e-05
4101	171	-5.99	-10.46	-2.15	5.74e-04	0.0	4.05e-04
4101	176	11.53	4.59	-1.69	-1.72e-04	0.0	-6.57e-04
4101	197	-0.34	-9.14	-2.29	5.17e-04	0.0	4.03e-05
4101	203	-6.10	-10.36	-2.15	5.68e-04	0.0	4.05e-04

4101	208	13.52	5.39	-1.71	-2.09e-04	0.0	-7.66e-04
4101	229	-0.47	-10.60	-2.40	5.93e-04	0.0	5.03e-05
4101	235	-7.32	-12.05	-2.23	6.53e-04	0.0	4.82e-04
4102	28	0.37	-1.09	-2.97	1.47e-04	0.0	-7.90e-06
4102	44	0.33	-1.60	-2.68	1.71e-04	0.0	-5.92e-06
4102	52	0.37	-0.28	-2.91	9.23e-05	0.0	-8.93e-06
4102	80	0.26	-0.74	-2.09	1.01e-04	0.0	-5.47e-06
4102	88	0.23	-1.08	-1.90	1.17e-04	0.0	-4.15e-06
4102	92	0.27	-0.20	-2.05	6.46e-05	0.0	-6.16e-06
4102	98	0.22	-0.16	-1.72	5.28e-05	0.0	-4.86e-06
4102	105	0.21	-0.33	-1.66	6.23e-05	0.0	-4.35e-06
4102	107	0.21	-0.15	-1.64	5.02e-05	0.0	-4.58e-06
4102	112	9.31	3.56	-1.86	-5.25e-05	0.0	-5.47e-04
4102	133	-0.29	-7.51	-2.35	6.28e-04	0.0	3.51e-05
4102	139	-4.89	-8.35	-2.14	6.28e-04	0.0	3.33e-04
4102	144	10.46	4.03	-1.89	-6.53e-05	0.0	-6.16e-04
4102	165	-0.36	-8.43	-2.44	7.00e-04	0.0	4.05e-05
4102	171	-5.56	-9.37	-2.20	7.00e-04	0.0	3.77e-04
4102	176	10.49	3.98	-1.89	-6.59e-05	0.0	-6.07e-04
4102	197	-0.37	-8.33	-2.43	6.90e-04	0.0	4.17e-05
4102	203	-5.66	-9.28	-2.19	6.90e-04	0.0	3.78e-04
4102	208	12.31	4.66	-1.93	-8.60e-05	0.0	-7.09e-04
4102	229	-0.49	-9.67	-2.55	7.94e-04	0.0	5.23e-05
4102	235	-6.79	-10.79	-2.28	7.95e-04	0.0	4.51e-04
4103	28	0.42	-1.17	-2.98	1.48e-04	0.0	-8.77e-06
4103	44	0.38	-1.69	-2.69	1.72e-04	0.0	-5.68e-06
4103	52	0.43	-0.33	-2.92	9.51e-05	0.0	-1.13e-05
4103	80	0.30	-0.79	-2.10	1.02e-04	0.0	-6.21e-06
4103	88	0.27	-1.14	-1.91	1.18e-04	0.0	-4.15e-06
4103	92	0.30	-0.23	-2.06	6.65e-05	0.0	-7.91e-06
4103	98	0.26	-0.19	-1.72	5.43e-05	0.0	-6.41e-06
4103	105	0.25	-0.37	-1.66	6.35e-05	0.0	-5.53e-06
4103	107	0.25	-0.18	-1.65	5.17e-05	0.0	-6.10e-06
4103	112	9.64	3.65	-1.87	-4.06e-05	0.0	-5.60e-04
4103	133	-0.28	-7.81	-2.36	5.93e-04	0.0	3.32e-05
4103	139	-5.03	-8.67	-2.15	5.93e-04	0.0	3.38e-04
4103	144	10.84	4.13	-1.90	-5.21e-05	0.0	-6.30e-04
4103	165	-0.34	-8.76	-2.45	6.60e-04	0.0	3.84e-05
4103	171	-5.71	-9.73	-2.21	6.61e-04	0.0	3.82e-04
4103	176	10.86	4.08	-1.89	-5.22e-05	0.0	-6.21e-04
4103	197	-0.36	-8.66	-2.43	6.51e-04	0.0	3.82e-05
4103	203	-5.81	-9.63	-2.20	6.52e-04	0.0	3.82e-04
4103	208	12.74	4.78	-1.94	-6.99e-05	0.0	-7.25e-04
4103	229	-0.48	-10.05	-2.56	7.49e-04	0.0	4.78e-05
4103	235	-6.98	-11.20	-2.28	7.50e-04	0.0	4.55e-04
4104	28	0.47	-1.25	-2.99	1.49e-04	0.0	-9.47e-06
4104	44	0.42	-1.78	-2.69	1.72e-04	0.0	-5.76e-06
4104	52	0.48	-0.38	-2.93	9.81e-05	0.0	-1.31e-05
4104	80	0.34	-0.84	-2.11	1.03e-04	0.0	-6.90e-06
4104	88	0.30	-1.20	-1.91	1.18e-04	0.0	-4.43e-06
4104	92	0.34	-0.27	-2.07	6.87e-05	0.0	-9.34e-06
4104	98	0.29	-0.22	-1.73	5.62e-05	0.0	-7.87e-06
4104	105	0.28	-0.40	-1.67	6.49e-05	0.0	-6.78e-06
4104	107	0.28	-0.21	-1.65	5.35e-05	0.0	-7.59e-06
4104	112	9.96	3.74	-1.87	-1.52e-04	0.0	-5.75e-04
4104	133	-0.26	-8.09	-2.36	5.08e-04	0.0	3.37e-05
4104	139	-5.15	-8.97	-2.15	5.47e-04	0.0	3.46e-04
4104	144	11.19	4.23	-1.90	-1.77e-04	0.0	-6.47e-04
4104	165	-0.33	-9.07	-2.45	5.65e-04	0.0	3.91e-05
4104	171	-5.86	-10.06	-2.21	6.09e-04	0.0	3.91e-04
4104	176	11.22	4.17	-1.90	-1.73e-04	0.0	-6.37e-04
4104	197	-0.35	-8.97	-2.44	5.58e-04	0.0	3.82e-05
4104	203	-5.96	-9.96	-2.20	6.01e-04	0.0	3.91e-04
4104	208	13.15	4.90	-1.94	-2.10e-04	0.0	-7.43e-04
4104	229	-0.47	-10.40	-2.56	6.41e-04	0.0	4.77e-05
4104	235	-7.16	-11.58	-2.29	6.91e-04	0.0	4.65e-04
4105	28	0.52	-1.33	-2.99	1.50e-04	0.0	-1.08e-05
4105	44	0.46	-1.87	-2.69	1.71e-04	0.0	-7.03e-06
4105	52	0.52	-0.43	-2.93	1.01e-04	0.0	-1.48e-05
4105	80	0.37	-0.90	-2.11	1.04e-04	0.0	-7.99e-06
4105	88	0.33	-1.26	-1.91	1.17e-04	0.0	-5.50e-06
4105	92	0.37	-0.30	-2.07	7.09e-05	0.0	-1.07e-05
4105	98	0.32	-0.25	-1.73	5.84e-05	0.0	-9.24e-06
4105	105	0.30	-0.44	-1.67	6.66e-05	0.0	-8.11e-06
4105	107	0.30	-0.24	-1.65	5.57e-05	0.0	-9.00e-06

4105	112	10.24	3.81	-1.87	-1.31e-04	0.0	-5.90e-04
4105	133	-0.25	-8.34	-2.37	4.61e-04	0.0	3.30e-05
4105	139	-5.27	-9.24	-2.15	4.98e-04	0.0	3.53e-04
4105	144	11.51	4.32	-1.90	-1.54e-04	0.0	-6.63e-04
4105	165	-0.32	-9.35	-2.45	5.11e-04	0.0	3.86e-05
4105	171	-5.99	-10.37	-2.22	5.53e-04	0.0	3.99e-04
4105	176	11.53	4.26	-1.90	-1.50e-04	0.0	-6.54e-04
4105	197	-0.34	-9.24	-2.44	5.05e-04	0.0	3.79e-05
4105	203	-6.09	-10.26	-2.21	5.46e-04	0.0	3.99e-04
4105	208	13.51	5.00	-1.94	-1.84e-04	0.0	-7.62e-04
4105	229	-0.46	-10.72	-2.57	5.79e-04	0.0	4.77e-05
4105	235	-7.32	-11.92	-2.29	6.27e-04	0.0	4.75e-04
4106	28	0.37	-1.10	-3.09	1.48e-04	0.0	-7.75e-06
4106	44	0.33	-1.60	-2.79	1.72e-04	0.0	-5.97e-06
4106	52	0.37	-0.29	-3.02	9.56e-05	0.0	-9.10e-06
4106	80	0.26	-0.74	-2.18	1.02e-04	0.0	-5.60e-06
4106	88	0.23	-1.08	-1.98	1.18e-04	0.0	-4.41e-06
4106	92	0.26	-0.20	-2.14	6.69e-05	0.0	-6.50e-06
4106	98	0.22	-0.17	-1.80	5.46e-05	0.0	-5.55e-06
4106	105	0.21	-0.34	-1.74	6.38e-05	0.0	-5.05e-06
4106	107	0.21	-0.16	-1.72	5.20e-05	0.0	-5.36e-06
4106	112	9.31	3.28	-2.07	-6.93e-05	0.0	-5.49e-04
4106	133	-0.29	-7.57	-2.53	6.58e-04	0.0	3.58e-05
4106	139	-4.90	-8.24	-2.23	6.25e-04	0.0	3.34e-04
4106	144	10.47	3.71	-2.12	-8.44e-05	0.0	-6.18e-04
4106	165	-0.36	-8.49	-2.63	7.34e-04	0.0	4.14e-05
4106	171	-5.56	-9.25	-2.30	6.97e-04	0.0	3.78e-04
4106	176	10.50	3.66	-2.11	-8.43e-05	0.0	-6.09e-04
4106	197	-0.38	-8.39	-2.61	7.23e-04	0.0	4.28e-05
4106	203	-5.66	-9.15	-2.28	6.88e-04	0.0	3.79e-04
4106	208	12.32	4.29	-2.18	-1.07e-04	0.0	-7.11e-04
4106	229	-0.49	-9.73	-2.76	8.33e-04	0.0	5.39e-05
4106	235	-6.79	-10.64	-2.37	7.91e-04	0.0	4.52e-04
4107	28	0.42	-1.17	-3.09	1.49e-04	0.0	-9.26e-06
4107	44	0.38	-1.69	-2.79	1.72e-04	0.0	-6.56e-06
4107	52	0.43	-0.34	-3.03	9.75e-05	0.0	-1.18e-05
4107	80	0.30	-0.79	-2.18	1.03e-04	0.0	-6.77e-06
4107	88	0.27	-1.14	-1.98	1.18e-04	0.0	-4.97e-06
4107	92	0.30	-0.24	-2.14	6.83e-05	0.0	-8.44e-06
4107	98	0.26	-0.19	-1.80	5.59e-05	0.0	-7.25e-06
4107	105	0.24	-0.37	-1.74	6.48e-05	0.0	-6.46e-06
4107	107	0.25	-0.18	-1.72	5.33e-05	0.0	-7.02e-06
4107	112	9.64	3.37	-2.07	-5.63e-05	0.0	-5.61e-04
4107	133	-0.28	-7.89	-2.53	6.12e-04	0.0	3.26e-05
4107	139	-5.03	-8.58	-2.24	6.12e-04	0.0	3.37e-04
4107	144	10.84	3.81	-2.12	-7.00e-05	0.0	-6.31e-04
4107	165	-0.35	-8.85	-2.63	6.81e-04	0.0	3.79e-05
4107	171	-5.71	-9.63	-2.30	6.81e-04	0.0	3.81e-04
4107	176	10.86	3.76	-2.12	-6.96e-05	0.0	-6.21e-04
4107	197	-0.36	-8.74	-2.61	6.72e-04	0.0	3.82e-05
4107	203	-5.81	-9.52	-2.29	6.72e-04	0.0	3.81e-04
4107	208	12.74	4.41	-2.18	-9.03e-05	0.0	-7.25e-04
4107	229	-0.48	-10.14	-2.76	7.72e-04	0.0	4.82e-05
4107	235	-6.98	-11.06	-2.37	7.73e-04	0.0	4.54e-04
4108	28	0.47	-1.25	-3.09	1.50e-04	0.0	-1.04e-05
4108	44	0.42	-1.78	-2.79	1.72e-04	0.0	-7.17e-06
4108	52	0.48	-0.39	-3.03	9.98e-05	0.0	-1.37e-05
4108	80	0.34	-0.85	-2.18	1.04e-04	0.0	-7.70e-06
4108	88	0.30	-1.20	-1.98	1.19e-04	0.0	-5.56e-06
4108	92	0.34	-0.27	-2.14	7.01e-05	0.0	-9.91e-06
4108	98	0.29	-0.22	-1.80	5.76e-05	0.0	-8.67e-06
4108	105	0.28	-0.41	-1.74	6.62e-05	0.0	-7.71e-06
4108	107	0.28	-0.21	-1.72	5.49e-05	0.0	-8.45e-06
4108	112	9.96	3.44	-2.07	-1.39e-04	0.0	-5.75e-04
4108	133	-0.26	-8.17	-2.53	5.19e-04	0.0	3.20e-05
4108	139	-5.15	-8.88	-2.24	5.49e-04	0.0	3.43e-04
4108	144	11.19	3.90	-2.12	-1.63e-04	0.0	-6.47e-04
4108	165	-0.33	-9.17	-2.63	5.76e-04	0.0	3.74e-05
4108	171	-5.86	-9.97	-2.30	6.11e-04	0.0	3.89e-04
4108	176	11.22	3.85	-2.12	-1.58e-04	0.0	-6.37e-04
4108	197	-0.35	-9.06	-2.61	5.69e-04	0.0	3.71e-05
4108	203	-5.96	-9.85	-2.29	6.03e-04	0.0	3.88e-04
4108	208	13.15	4.52	-2.18	-1.93e-04	0.0	-7.43e-04
4108	229	-0.47	-10.50	-2.76	6.53e-04	0.0	4.70e-05
4108	235	-7.16	-11.45	-2.37	6.92e-04	0.0	4.63e-04

4109	28	0.52	-1.33	-3.09	1.51e-04	0.0	-1.15e-05
4109	44	0.46	-1.87	-2.79	1.72e-04	0.0	-8.31e-06
4109	52	0.52	-0.44	-3.03	1.02e-04	0.0	-1.50e-05
4109	80	0.37	-0.90	-2.18	1.05e-04	0.0	-8.63e-06
4109	88	0.33	-1.26	-1.98	1.19e-04	0.0	-6.50e-06
4109	92	0.37	-0.31	-2.14	7.18e-05	0.0	-1.10e-05
4109	98	0.32	-0.25	-1.80	5.93e-05	0.0	-9.75e-06
4109	105	0.30	-0.44	-1.74	6.76e-05	0.0	-8.78e-06
4109	107	0.30	-0.24	-1.72	5.67e-05	0.0	-9.55e-06
4109	112	10.25	3.51	-2.08	-1.12e-04	0.0	-5.90e-04
4109	133	-0.25	-8.43	-2.53	4.53e-04	0.0	3.20e-05
4109	139	-5.27	-9.15	-2.24	4.81e-04	0.0	3.51e-04
4109	144	11.51	3.98	-2.12	-1.33e-04	0.0	-6.63e-04
4109	165	-0.32	-9.45	-2.63	5.02e-04	0.0	3.76e-05
4109	171	-5.99	-10.26	-2.30	5.34e-04	0.0	3.98e-04
4109	176	11.53	3.92	-2.12	-1.30e-04	0.0	-6.53e-04
4109	197	-0.34	-9.34	-2.61	4.96e-04	0.0	3.75e-05
4109	203	-6.09	-10.15	-2.29	5.27e-04	0.0	3.97e-04
4109	208	13.52	4.61	-2.19	-1.60e-04	0.0	-7.62e-04
4109	229	-0.46	-10.82	-2.76	5.67e-04	0.0	4.77e-05
4109	235	-7.32	-11.78	-2.37	6.05e-04	0.0	4.74e-04
4110	28	0.37	-1.10	-3.20	1.51e-04	0.0	-7.33e-06
4110	44	0.33	-1.60	-2.89	1.73e-04	0.0	-5.81e-06
4110	52	0.37	-0.29	-3.13	9.90e-05	0.0	-8.66e-06
4110	80	0.26	-0.74	-2.26	1.04e-04	0.0	-5.40e-06
4110	88	0.23	-1.08	-2.06	1.19e-04	0.0	-4.39e-06
4110	92	0.26	-0.20	-2.22	6.94e-05	0.0	-6.29e-06
4110	98	0.22	-0.17	-1.87	5.68e-05	0.0	-5.58e-06
4110	105	0.21	-0.34	-1.81	6.56e-05	0.0	-5.15e-06
4110	107	0.21	-0.16	-1.79	5.41e-05	0.0	-5.44e-06
4110	112	9.32	2.99	-2.28	-8.49e-05	0.0	-5.52e-04
4110	133	-0.29	-7.62	-2.69	6.80e-04	0.0	3.74e-05
4110	139	-4.90	-8.13	-2.32	6.53e-04	0.0	3.37e-04
4110	144	10.47	3.38	-2.34	-1.02e-04	0.0	-6.22e-04
4110	165	-0.36	-8.56	-2.81	7.58e-04	0.0	4.33e-05
4110	171	-5.56	-9.13	-2.39	7.28e-04	0.0	3.81e-04
4110	176	10.50	3.34	-2.33	-1.01e-04	0.0	-6.13e-04
4110	177	8.48	-1.80	-2.79	3.06e-04	0.0	-4.85e-04
4110	203	-5.67	-9.02	-2.37	7.18e-04	0.0	3.83e-04
4110	208	12.32	3.91	-2.43	-1.27e-04	0.0	-7.16e-04
4110	209	9.93	-2.07	-2.96	3.46e-04	0.0	-5.64e-04
4110	235	-6.79	-10.47	-2.46	8.26e-04	0.0	4.57e-04
4111	28	0.42	-1.18	-3.20	1.51e-04	0.0	-9.17e-06
4111	44	0.38	-1.70	-2.89	1.73e-04	0.0	-6.97e-06
4111	52	0.43	-0.34	-3.13	1.00e-04	0.0	-1.13e-05
4111	80	0.30	-0.80	-2.26	1.04e-04	0.0	-6.81e-06
4111	88	0.27	-1.14	-2.06	1.19e-04	0.0	-5.35e-06
4111	92	0.30	-0.24	-2.22	7.03e-05	0.0	-8.25e-06
4111	98	0.26	-0.20	-1.87	5.77e-05	0.0	-7.33e-06
4111	105	0.24	-0.38	-1.81	6.64e-05	0.0	-6.68e-06
4111	107	0.25	-0.19	-1.79	5.50e-05	0.0	-7.16e-06
4111	112	9.64	3.07	-2.28	-7.06e-05	0.0	-5.65e-04
4111	133	-0.28	-7.96	-2.70	6.24e-04	0.0	3.40e-05
4111	139	-5.03	-8.47	-2.32	6.24e-04	0.0	3.40e-04
4111	144	10.84	3.48	-2.34	-8.63e-05	0.0	-6.36e-04
4111	165	-0.35	-8.93	-2.81	6.95e-04	0.0	3.96e-05
4111	171	-5.71	-9.51	-2.39	6.95e-04	0.0	3.85e-04
4111	176	10.86	3.43	-2.33	-8.53e-05	0.0	-6.27e-04
4111	177	8.77	-1.91	-2.79	2.85e-04	0.0	-4.98e-04
4111	203	-5.82	-9.40	-2.37	6.85e-04	0.0	3.86e-04
4111	208	12.74	4.03	-2.43	-1.09e-04	0.0	-7.31e-04
4111	209	10.28	-2.19	-2.96	3.22e-04	0.0	-5.79e-04
4111	235	-6.98	-10.91	-2.46	7.88e-04	0.0	4.60e-04
4112	28	0.47	-1.26	-3.20	1.52e-04	0.0	-1.07e-05
4112	44	0.42	-1.79	-2.89	1.74e-04	0.0	-8.06e-06
4112	52	0.48	-0.40	-3.14	1.02e-04	0.0	-1.33e-05
4112	80	0.34	-0.85	-2.26	1.05e-04	0.0	-7.96e-06
4112	88	0.30	-1.21	-2.06	1.19e-04	0.0	-6.23e-06
4112	92	0.34	-0.28	-2.22	7.14e-05	0.0	-9.74e-06
4112	98	0.29	-0.23	-1.87	5.88e-05	0.0	-8.70e-06
4112	105	0.28	-0.41	-1.81	6.74e-05	0.0	-7.93e-06
4112	107	0.28	-0.22	-1.80	5.62e-05	0.0	-8.52e-06
4112	112	9.96	3.15	-2.28	-1.26e-04	0.0	-5.79e-04
4112	133	-0.26	-8.25	-2.70	5.26e-04	0.0	3.30e-05
4112	139	-5.16	-8.78	-2.32	5.49e-04	0.0	3.46e-04

4112	144	11.20	3.57	-2.34	-1.49e-04	0.0	-6.51e-04
4112	165	-0.33	-9.26	-2.81	5.85e-04	0.0	3.86e-05
4112	171	-5.86	-9.85	-2.39	6.11e-04	0.0	3.92e-04
4112	176	11.22	3.52	-2.34	-1.45e-04	0.0	-6.41e-04
4112	177	9.07	-2.01	-2.79	1.75e-04	0.0	-5.11e-04
4112	203	-5.96	-9.74	-2.37	6.02e-04	0.0	3.92e-04
4112	208	13.15	4.13	-2.43	-1.77e-04	0.0	-7.48e-04
4112	209	10.61	-2.30	-2.96	1.95e-04	0.0	-5.94e-04
4112	235	-7.16	-11.30	-2.46	6.92e-04	0.0	4.67e-04
4113	28	0.52	-1.34	-3.20	1.53e-04	0.0	-1.19e-05
4113	44	0.46	-1.88	-2.89	1.74e-04	0.0	-9.31e-06
4113	52	0.52	-0.45	-3.14	1.03e-04	0.0	-1.46e-05
4113	80	0.37	-0.91	-2.26	1.06e-04	0.0	-8.93e-06
4113	88	0.33	-1.27	-2.06	1.20e-04	0.0	-7.17e-06
4113	92	0.37	-0.32	-2.22	7.25e-05	0.0	-1.07e-05
4113	98	0.32	-0.26	-1.87	6.00e-05	0.0	-9.63e-06
4113	105	0.30	-0.45	-1.81	6.84e-05	0.0	-8.84e-06
4113	107	0.31	-0.25	-1.80	5.74e-05	0.0	-9.44e-06
4113	112	10.25	3.20	-2.28	-9.59e-05	0.0	-5.93e-04
4113	133	-0.25	-8.51	-2.70	4.47e-04	0.0	3.35e-05
4113	139	-5.27	-9.05	-2.32	4.68e-04	0.0	3.54e-04
4113	144	11.51	3.64	-2.34	-1.15e-04	0.0	-6.66e-04
4113	165	-0.32	-9.54	-2.81	4.96e-04	0.0	3.92e-05
4113	171	-5.99	-10.15	-2.39	5.19e-04	0.0	4.00e-04
4113	176	11.54	3.58	-2.34	-1.12e-04	0.0	-6.56e-04
4113	177	9.33	-2.10	-2.79	1.54e-04	0.0	-5.22e-04
4113	203	-6.09	-10.03	-2.37	5.12e-04	0.0	4.01e-04
4113	208	13.52	4.21	-2.43	-1.40e-04	0.0	-7.65e-04
4113	209	10.92	-2.39	-2.96	1.69e-04	0.0	-6.07e-04
4113	235	-7.32	-11.63	-2.46	5.87e-04	0.0	4.78e-04
4114	28	0.37	-1.10	-3.30	1.53e-04	0.0	-7.01e-06
4114	44	0.33	-1.61	-2.99	1.75e-04	0.0	-5.74e-06
4114	52	0.37	-0.30	-3.24	1.02e-04	0.0	-8.14e-06
4114	80	0.26	-0.75	-2.34	1.06e-04	0.0	-5.21e-06
4114	88	0.23	-1.08	-2.13	1.20e-04	0.0	-4.36e-06
4114	92	0.26	-0.21	-2.29	7.16e-05	0.0	-5.96e-06
4114	98	0.22	-0.17	-1.94	5.88e-05	0.0	-5.39e-06
4114	105	0.21	-0.34	-1.87	6.74e-05	0.0	-5.02e-06
4114	107	0.21	-0.16	-1.86	5.61e-05	0.0	-5.27e-06
4114	112	9.32	2.70	-2.47	-1.01e-04	0.0	-5.56e-04
4114	113	7.54	-1.91	-2.92	2.76e-04	0.0	-4.40e-04
4114	139	-4.90	-8.01	-2.40	6.74e-04	0.0	3.40e-04
4114	144	10.48	3.06	-2.55	-1.20e-04	0.0	-6.25e-04
4114	145	8.47	-2.13	-3.05	3.03e-04	0.0	-4.95e-04
4114	171	-5.57	-8.99	-2.47	7.52e-04	0.0	3.85e-04
4114	176	10.50	3.01	-2.55	-1.18e-04	0.0	-6.17e-04
4114	177	8.48	-2.10	-3.04	2.98e-04	0.0	-4.87e-04
4114	203	-5.67	-8.88	-2.45	7.41e-04	0.0	3.87e-04
4114	208	12.33	3.53	-2.67	-1.47e-04	0.0	-7.20e-04
4114	209	9.94	-2.41	-3.24	3.37e-04	0.0	-5.67e-04
4114	235	-6.80	-10.31	-2.54	8.52e-04	0.0	4.62e-04
4115	28	0.42	-1.19	-3.30	1.53e-04	0.0	-8.93e-06
4115	44	0.38	-1.70	-2.99	1.75e-04	0.0	-7.18e-06
4115	52	0.43	-0.35	-3.24	1.03e-04	0.0	-1.06e-05
4115	80	0.30	-0.80	-2.34	1.06e-04	0.0	-6.66e-06
4115	88	0.27	-1.15	-2.13	1.20e-04	0.0	-5.49e-06
4115	92	0.30	-0.25	-2.29	7.21e-05	0.0	-7.78e-06
4115	98	0.26	-0.20	-1.94	5.93e-05	0.0	-7.03e-06
4115	105	0.24	-0.38	-1.87	6.79e-05	0.0	-6.52e-06
4115	107	0.24	-0.19	-1.86	5.66e-05	0.0	-6.89e-06
4115	112	9.64	2.78	-2.47	-8.46e-05	0.0	-5.70e-04
4115	113	7.80	-2.02	-2.92	2.55e-04	0.0	-4.53e-04
4115	139	-5.03	-8.36	-2.41	6.32e-04	0.0	3.45e-04
4115	144	10.84	3.15	-2.55	-1.02e-04	0.0	-6.42e-04
4115	145	8.76	-2.25	-3.05	2.80e-04	0.0	-5.10e-04
4115	171	-5.71	-9.39	-2.47	7.03e-04	0.0	3.90e-04
4115	176	10.86	3.11	-2.55	-1.00e-04	0.0	-6.32e-04
4115	177	8.77	-2.22	-3.04	2.76e-04	0.0	-5.01e-04
4115	203	-5.82	-9.27	-2.46	6.93e-04	0.0	3.91e-04
4115	208	12.74	3.65	-2.67	-1.26e-04	0.0	-7.38e-04
4115	209	10.28	-2.55	-3.24	3.11e-04	0.0	-5.83e-04
4115	235	-6.98	-10.75	-2.54	7.97e-04	0.0	4.67e-04
4116	28	0.47	-1.27	-3.30	1.54e-04	0.0	-1.06e-05
4116	44	0.42	-1.79	-2.99	1.75e-04	0.0	-8.56e-06
4116	52	0.48	-0.40	-3.24	1.03e-04	0.0	-1.26e-05

4116	80	0.34	-0.86	-2.34	1.06e-04	0.0	-7.91e-06
4116	88	0.30	-1.21	-2.13	1.21e-04	0.0	-6.55e-06
4116	92	0.34	-0.28	-2.29	7.27e-05	0.0	-9.24e-06
4116	98	0.29	-0.23	-1.94	6.00e-05	0.0	-8.34e-06
4116	105	0.28	-0.41	-1.87	6.85e-05	0.0	-7.74e-06
4116	107	0.28	-0.22	-1.86	5.74e-05	0.0	-8.18e-06
4116	112	9.97	2.85	-2.47	-1.13e-04	0.0	-5.84e-04
4116	113	8.07	-2.12	-2.92	1.77e-04	0.0	-4.65e-04
4116	135	-5.51	-8.68	-2.35	5.48e-04	0.0	3.45e-04
4116	144	11.20	3.23	-2.55	-1.34e-04	0.0	-6.57e-04
4116	145	9.06	-2.36	-3.06	1.92e-04	0.0	-5.23e-04
4116	171	-5.86	-9.73	-2.47	6.09e-04	0.0	3.97e-04
4116	176	11.22	3.18	-2.55	-1.31e-04	0.0	-6.47e-04
4116	177	9.07	-2.33	-3.04	1.90e-04	0.0	-5.14e-04
4116	203	-5.96	-9.61	-2.46	6.00e-04	0.0	3.98e-04
4116	208	13.15	3.74	-2.67	-1.61e-04	0.0	-7.55e-04
4116	209	10.62	-2.67	-3.24	2.12e-04	0.0	-5.97e-04
4116	235	-7.16	-11.14	-2.54	6.89e-04	0.0	4.75e-04
4117	28	0.52	-1.35	-3.30	1.54e-04	0.0	-1.21e-05
4117	44	0.46	-1.88	-2.99	1.75e-04	0.0	-9.93e-06
4117	52	0.52	-0.46	-3.24	1.04e-04	0.0	-1.40e-05
4117	80	0.37	-0.91	-2.34	1.07e-04	0.0	-8.96e-06
4117	88	0.33	-1.27	-2.13	1.21e-04	0.0	-7.54e-06
4117	92	0.37	-0.32	-2.29	7.34e-05	0.0	-1.03e-05
4117	98	0.32	-0.27	-1.94	6.07e-05	0.0	-9.24e-06
4117	105	0.31	-0.45	-1.87	6.92e-05	0.0	-8.62e-06
4117	107	0.31	-0.25	-1.86	5.81e-05	0.0	-9.06e-06
4117	112	10.26	2.90	-2.47	-8.13e-05	0.0	-5.97e-04
4117	113	8.31	-2.21	-2.92	1.54e-04	0.0	-4.75e-04
4117	139	-5.27	-8.94	-2.41	4.57e-04	0.0	3.59e-04
4117	144	11.52	3.29	-2.55	-9.87e-05	0.0	-6.72e-04
4117	145	9.32	-2.45	-3.06	1.66e-04	0.0	-5.34e-04
4117	171	-5.99	-10.02	-2.47	5.06e-04	0.0	4.06e-04
4117	176	11.54	3.24	-2.55	-9.61e-05	0.0	-6.61e-04
4117	177	9.33	-2.42	-3.04	1.64e-04	0.0	-5.25e-04
4117	203	-6.10	-9.89	-2.46	5.00e-04	0.0	4.06e-04
4117	208	13.53	3.81	-2.67	-1.21e-04	0.0	-7.71e-04
4117	209	10.92	-2.77	-3.24	1.82e-04	0.0	-6.10e-04
4117	235	-7.32	-11.47	-2.54	5.72e-04	0.0	4.85e-04
4118	28	0.37	-1.11	-3.39	1.55e-04	0.0	-6.82e-06
4118	44	0.33	-1.61	-3.07	1.76e-04	0.0	-5.74e-06
4118	52	0.37	-0.30	-3.33	1.05e-04	0.0	-7.70e-06
4118	80	0.26	-0.75	-2.40	1.07e-04	0.0	-5.06e-06
4118	88	0.23	-1.09	-2.19	1.21e-04	0.0	-4.34e-06
4118	92	0.26	-0.21	-2.36	7.36e-05	0.0	-5.65e-06
4118	98	0.22	-0.17	-2.00	6.06e-05	0.0	-5.14e-06
4118	105	0.21	-0.35	-1.93	6.91e-05	0.0	-4.84e-06
4118	107	0.21	-0.17	-1.92	5.79e-05	0.0	-5.03e-06
4118	112	9.32	2.41	-2.66	-1.17e-04	0.0	-5.58e-04
4118	113	7.54	-2.18	-3.14	2.66e-04	0.0	-4.42e-04
4118	135	-5.23	-7.90	-2.42	6.91e-04	0.0	3.37e-04
4118	144	10.48	2.73	-2.76	-1.39e-04	0.0	-6.28e-04
4118	145	8.47	-2.43	-3.30	2.92e-04	0.0	-4.97e-04
4118	167	-5.92	-8.86	-2.48	7.70e-04	0.0	3.81e-04
4118	176	10.51	2.69	-2.75	-1.36e-04	0.0	-6.20e-04
4118	177	8.48	-2.40	-3.28	2.87e-04	0.0	-4.89e-04
4118	199	-5.95	-8.74	-2.47	7.59e-04	0.0	3.78e-04
4118	208	12.33	3.15	-2.90	-1.68e-04	0.0	-7.24e-04
4118	209	9.94	-2.76	-3.51	3.24e-04	0.0	-5.69e-04
4118	235	-6.80	-10.14	-2.62	8.73e-04	0.0	4.65e-04
4119	28	0.42	-1.19	-3.39	1.55e-04	0.0	-8.68e-06
4119	44	0.37	-1.70	-3.07	1.76e-04	0.0	-7.28e-06
4119	52	0.43	-0.36	-3.33	1.05e-04	0.0	-9.91e-06
4119	80	0.30	-0.81	-2.40	1.07e-04	0.0	-6.46e-06
4119	88	0.27	-1.15	-2.19	1.22e-04	0.0	-5.53e-06
4119	92	0.30	-0.25	-2.36	7.38e-05	0.0	-7.28e-06
4119	98	0.25	-0.21	-2.00	6.08e-05	0.0	-6.63e-06
4119	105	0.24	-0.38	-1.93	6.93e-05	0.0	-6.23e-06
4119	107	0.24	-0.20	-1.92	5.81e-05	0.0	-6.50e-06
4119	112	9.64	2.48	-2.66	-9.87e-05	0.0	-5.75e-04
4119	113	7.80	-2.30	-3.14	2.45e-04	0.0	-4.56e-04
4119	135	-5.36	-8.25	-2.42	6.26e-04	0.0	3.44e-04
4119	144	10.84	2.82	-2.76	-1.18e-04	0.0	-6.47e-04
4119	145	8.76	-2.56	-3.30	2.68e-04	0.0	-5.13e-04
4119	167	-6.08	-9.26	-2.48	6.97e-04	0.0	3.88e-04

4119	176	10.86	2.77	-2.75	-1.16e-04	0.0	-6.37e-04
4119	177	8.77	-2.53	-3.28	2.65e-04	0.0	-5.04e-04
4119	199	-6.11	-9.13	-2.47	6.87e-04	0.0	3.84e-04
4119	208	12.74	3.26	-2.90	-1.44e-04	0.0	-7.44e-04
4119	209	10.28	-2.91	-3.51	2.98e-04	0.0	-5.87e-04
4119	235	-6.98	-10.59	-2.62	8.00e-04	0.0	4.73e-04
4120	28	0.47	-1.27	-3.39	1.55e-04	0.0	-1.04e-05
4120	44	0.42	-1.80	-3.07	1.77e-04	0.0	-8.80e-06
4120	52	0.48	-0.41	-3.33	1.05e-04	0.0	-1.18e-05
4120	80	0.34	-0.86	-2.40	1.07e-04	0.0	-7.75e-06
4120	88	0.30	-1.21	-2.19	1.22e-04	0.0	-6.66e-06
4120	92	0.34	-0.29	-2.36	7.41e-05	0.0	-8.68e-06
4120	98	0.29	-0.24	-2.00	6.12e-05	0.0	-7.87e-06
4120	105	0.28	-0.42	-1.93	6.96e-05	0.0	-7.41e-06
4120	107	0.28	-0.23	-1.92	5.85e-05	0.0	-7.72e-06
4120	112	9.97	2.54	-2.66	-9.97e-05	0.0	-5.89e-04
4120	113	8.07	-2.41	-3.14	1.90e-04	0.0	-4.68e-04
4120	135	-5.51	-8.57	-2.42	5.45e-04	0.0	3.50e-04
4120	144	11.20	2.89	-2.76	-1.19e-04	0.0	-6.63e-04
4120	145	9.06	-2.68	-3.30	2.06e-04	0.0	-5.27e-04
4120	167	-6.24	-9.61	-2.48	6.06e-04	0.0	3.96e-04
4120	176	11.22	2.84	-2.75	-1.16e-04	0.0	-6.53e-04
4120	177	9.07	-2.65	-3.28	2.04e-04	0.0	-5.18e-04
4120	199	-6.27	-9.47	-2.47	5.97e-04	0.0	3.91e-04
4120	208	13.16	3.35	-2.90	-1.45e-04	0.0	-7.62e-04
4120	209	10.62	-3.04	-3.51	2.28e-04	0.0	-6.02e-04
4120	235	-7.16	-10.98	-2.62	6.85e-04	0.0	4.81e-04
4121	28	0.52	-1.35	-3.39	1.56e-04	0.0	-1.20e-05
4121	44	0.46	-1.89	-3.07	1.77e-04	0.0	-1.03e-05
4121	52	0.53	-0.47	-3.33	1.06e-04	0.0	-1.34e-05
4121	80	0.37	-0.92	-2.40	1.08e-04	0.0	-8.88e-06
4121	88	0.33	-1.28	-2.19	1.22e-04	0.0	-7.72e-06
4121	92	0.37	-0.33	-2.36	7.44e-05	0.0	-9.78e-06
4121	98	0.32	-0.27	-2.00	6.16e-05	0.0	-8.81e-06
4121	105	0.31	-0.46	-1.93	7.00e-05	0.0	-8.33e-06
4121	107	0.31	-0.26	-1.92	5.89e-05	0.0	-8.63e-06
4121	112	10.27	2.58	-2.66	-6.83e-05	0.0	-6.02e-04
4121	113	8.32	-2.50	-3.14	1.63e-04	0.0	-4.78e-04
4121	135	-5.64	-8.82	-2.42	4.47e-04	0.0	3.57e-04
4121	144	11.53	2.94	-2.76	-8.41e-05	0.0	-6.77e-04
4121	145	9.33	-2.78	-3.30	1.76e-04	0.0	-5.38e-04
4121	167	-6.40	-9.89	-2.48	4.96e-04	0.0	4.04e-04
4121	176	11.56	2.89	-2.75	-8.17e-05	0.0	-6.67e-04
4121	177	9.34	-2.74	-3.28	1.74e-04	0.0	-5.28e-04
4121	199	-6.42	-9.76	-2.47	4.89e-04	0.0	3.99e-04
4121	208	13.54	3.41	-2.90	-1.05e-04	0.0	-7.77e-04
4121	209	10.93	-3.15	-3.52	1.93e-04	0.0	-6.14e-04
4121	235	-7.33	-11.30	-2.62	5.59e-04	0.0	4.91e-04
4122	28	0.37	-1.11	-3.47	1.57e-04	0.0	-6.70e-06
4122	44	0.32	-1.61	-3.14	1.78e-04	0.0	-5.75e-06
4122	52	0.37	-0.30	-3.40	1.07e-04	0.0	-7.38e-06
4122	80	0.26	-0.75	-2.46	1.09e-04	0.0	-4.96e-06
4122	88	0.23	-1.09	-2.24	1.23e-04	0.0	-4.33e-06
4122	92	0.26	-0.21	-2.42	7.53e-05	0.0	-5.41e-06
4122	98	0.22	-0.18	-2.04	6.22e-05	0.0	-4.93e-06
4122	105	0.21	-0.35	-1.98	7.06e-05	0.0	-4.67e-06
4122	107	0.21	-0.17	-1.96	5.94e-05	0.0	-4.82e-06
4122	112	9.32	2.08	-2.84	-1.42e-04	0.0	-5.60e-04
4122	113	7.54	-2.49	-3.35	2.46e-04	0.0	-4.43e-04
4122	125	5.59	-7.83	-2.72	7.10e-04	0.0	-3.60e-04
4122	144	10.48	2.36	-2.95	-1.67e-04	0.0	-6.30e-04
4122	145	8.47	-2.78	-3.53	2.70e-04	0.0	-4.98e-04
4122	157	6.27	-8.79	-2.81	7.91e-04	0.0	-4.05e-04
4122	176	10.51	2.32	-2.95	-1.63e-04	0.0	-6.22e-04
4122	177	8.48	-2.75	-3.51	2.67e-04	0.0	-4.90e-04
4122	189	6.30	-8.66	-2.81	7.80e-04	0.0	-4.03e-04
4122	208	12.33	2.72	-3.12	-1.98e-04	0.0	-7.26e-04
4122	209	9.94	-3.16	-3.78	3.01e-04	0.0	-5.70e-04
4122	221	7.39	-10.04	-2.96	8.96e-04	0.0	-4.73e-04
4123	28	0.42	-1.20	-3.47	1.57e-04	0.0	-8.47e-06
4123	44	0.37	-1.71	-3.14	1.78e-04	0.0	-7.30e-06
4123	52	0.42	-0.36	-3.40	1.07e-04	0.0	-9.36e-06
4123	80	0.30	-0.81	-2.46	1.09e-04	0.0	-6.28e-06
4123	88	0.27	-1.15	-2.24	1.23e-04	0.0	-5.50e-06
4123	92	0.30	-0.25	-2.42	7.54e-05	0.0	-6.87e-06

4123	98	0.25	-0.21	-2.04	6.23e-05	0.0	-6.26e-06
4123	105	0.24	-0.39	-1.98	7.06e-05	0.0	-5.94e-06
4123	107	0.24	-0.20	-1.96	5.95e-05	0.0	-6.14e-06
4123	112	9.64	2.14	-2.84	-1.21e-04	0.0	-5.78e-04
4123	113	7.80	-2.63	-3.35	2.26e-04	0.0	-4.59e-04
4123	125	5.80	-8.20	-2.72	6.40e-04	0.0	-3.81e-04
4123	144	10.84	2.43	-2.95	-1.43e-04	0.0	-6.50e-04
4123	145	8.76	-2.93	-3.53	2.47e-04	0.0	-5.16e-04
4123	157	6.51	-9.19	-2.81	7.13e-04	0.0	-4.29e-04
4123	176	10.86	2.39	-2.95	-1.39e-04	0.0	-6.41e-04
4123	177	8.77	-2.89	-3.51	2.45e-04	0.0	-5.07e-04
4123	189	6.53	-9.06	-2.81	7.02e-04	0.0	-4.27e-04
4123	208	12.74	2.82	-3.12	-1.71e-04	0.0	-7.48e-04
4123	209	10.28	-3.32	-3.78	2.75e-04	0.0	-5.90e-04
4123	221	7.65	-10.50	-2.96	8.07e-04	0.0	-5.01e-04
4124	28	0.47	-1.28	-3.47	1.57e-04	0.0	-1.02e-05
4124	44	0.42	-1.80	-3.14	1.78e-04	0.0	-8.88e-06
4124	52	0.48	-0.42	-3.40	1.07e-04	0.0	-1.12e-05
4124	80	0.34	-0.87	-2.46	1.09e-04	0.0	-7.57e-06
4124	88	0.30	-1.22	-2.24	1.23e-04	0.0	-6.66e-06
4124	92	0.34	-0.29	-2.42	7.54e-05	0.0	-8.21e-06
4124	98	0.29	-0.24	-2.04	6.24e-05	0.0	-7.45e-06
4124	105	0.28	-0.42	-1.98	7.08e-05	0.0	-7.08e-06
4124	107	0.28	-0.23	-1.96	5.96e-05	0.0	-7.30e-06
4124	112	9.97	2.19	-2.84	-9.14e-05	0.0	-5.94e-04
4124	113	8.07	-2.74	-3.35	1.98e-04	0.0	-4.72e-04
4124	125	6.01	-8.51	-2.72	5.45e-04	0.0	-3.97e-04
4124	144	11.20	2.49	-2.95	-1.10e-04	0.0	-6.68e-04
4124	145	9.06	-3.06	-3.53	2.16e-04	0.0	-5.30e-04
4124	157	6.74	-9.54	-2.81	6.05e-04	0.0	-4.47e-04
4124	176	11.22	2.45	-2.95	-1.07e-04	0.0	-6.58e-04
4124	177	9.07	-3.01	-3.51	2.14e-04	0.0	-5.21e-04
4124	189	6.77	-9.40	-2.81	5.96e-04	0.0	-4.44e-04
4124	208	13.16	2.89	-3.12	-1.33e-04	0.0	-7.67e-04
4124	209	10.62	-3.46	-3.78	2.39e-04	0.0	-6.06e-04
4124	221	7.92	-10.89	-2.96	6.84e-04	0.0	-5.21e-04
4125	28	0.52	-1.36	-3.47	1.57e-04	0.0	-1.19e-05
4125	44	0.47	-1.90	-3.14	1.78e-04	0.0	-1.04e-05
4125	52	0.53	-0.47	-3.40	1.07e-04	0.0	-1.28e-05
4125	80	0.37	-0.92	-2.46	1.09e-04	0.0	-8.76e-06
4125	88	0.33	-1.28	-2.24	1.23e-04	0.0	-7.78e-06
4125	92	0.37	-0.33	-2.42	7.55e-05	0.0	-9.38e-06
4125	98	0.32	-0.28	-2.04	6.25e-05	0.0	-8.45e-06
4125	105	0.31	-0.46	-1.98	7.09e-05	0.0	-8.05e-06
4125	107	0.31	-0.26	-1.96	5.98e-05	0.0	-8.26e-06
4125	112	10.28	2.23	-2.84	-5.96e-05	0.0	-6.06e-04
4125	113	8.33	-2.84	-3.35	1.68e-04	0.0	-4.82e-04
4125	125	6.22	-8.77	-2.72	4.41e-04	0.0	-4.06e-04
4125	144	11.55	2.54	-2.95	-7.44e-05	0.0	-6.82e-04
4125	145	9.35	-3.16	-3.53	1.81e-04	0.0	-5.41e-04
4125	157	6.97	-9.83	-2.81	4.88e-04	0.0	-4.57e-04
4125	176	11.57	2.50	-2.95	-7.17e-05	0.0	-6.72e-04
4125	177	9.36	-3.12	-3.51	1.80e-04	0.0	-5.32e-04
4125	189	6.99	-9.69	-2.81	4.81e-04	0.0	-4.54e-04
4125	208	13.56	2.94	-3.12	-9.29e-05	0.0	-7.83e-04
4125	209	10.95	-3.58	-3.78	2.00e-04	0.0	-6.18e-04
4125	221	8.18	-11.22	-2.96	5.50e-04	0.0	-5.33e-04
4126	28	0.37	-1.12	-3.54	1.59e-04	0.0	-6.60e-06
4126	44	0.32	-1.62	-3.21	1.80e-04	0.0	-5.73e-06
4126	52	0.37	-0.31	-3.47	1.09e-04	0.0	-7.17e-06
4126	80	0.26	-0.76	-2.51	1.10e-04	0.0	-4.87e-06
4126	88	0.23	-1.09	-2.29	1.24e-04	0.0	-4.29e-06
4126	92	0.26	-0.22	-2.46	7.68e-05	0.0	-5.25e-06
4126	98	0.22	-0.18	-2.08	6.35e-05	0.0	-4.78e-06
4126	105	0.21	-0.35	-2.02	7.19e-05	0.0	-4.55e-06
4126	107	0.21	-0.17	-2.00	6.08e-05	0.0	-4.67e-06
4126	112	9.32	1.81	-3.01	-1.60e-04	0.0	-5.61e-04
4126	113	7.54	-2.74	-3.56	2.35e-04	0.0	-4.44e-04
4126	129	5.27	-7.97	-2.75	7.46e-04	0.0	-3.66e-04
4126	144	10.48	2.06	-3.14	-1.87e-04	0.0	-6.31e-04
4126	145	8.47	-3.06	-3.75	2.57e-04	0.0	-4.99e-04
4126	161	5.93	-8.95	-2.85	8.31e-04	0.0	-4.13e-04
4126	176	10.51	2.03	-3.13	-1.82e-04	0.0	-6.23e-04
4126	177	8.48	-3.01	-3.74	2.55e-04	0.0	-4.91e-04
4126	193	6.03	-8.83	-2.86	8.19e-04	0.0	-4.16e-04

4126	208	12.33	2.38	-3.33	-2.20e-04	0.0	-7.27e-04
4126	209	9.94	-3.47	-4.03	2.87e-04	0.0	-5.72e-04
4126	225	7.14	-10.24	-3.02	9.42e-04	0.0	-4.94e-04
4127	28	0.42	-1.20	-3.54	1.59e-04	0.0	-8.30e-06
4127	44	0.37	-1.71	-3.21	1.80e-04	0.0	-7.26e-06
4127	52	0.42	-0.37	-3.47	1.09e-04	0.0	-8.97e-06
4127	80	0.30	-0.81	-2.51	1.10e-04	0.0	-6.13e-06
4127	88	0.27	-1.15	-2.29	1.24e-04	0.0	-5.44e-06
4127	92	0.30	-0.26	-2.46	7.68e-05	0.0	-6.58e-06
4127	98	0.25	-0.21	-2.08	6.36e-05	0.0	-6.00e-06
4127	105	0.24	-0.39	-2.02	7.19e-05	0.0	-5.72e-06
4127	107	0.24	-0.20	-2.00	6.08e-05	0.0	-5.87e-06
4127	112	9.64	1.87	-3.01	-1.35e-04	0.0	-5.80e-04
4127	113	7.80	-2.88	-3.56	2.16e-04	0.0	-4.61e-04
4127	129	5.46	-8.35	-2.75	6.69e-04	0.0	-3.90e-04
4127	144	10.84	2.13	-3.14	-1.59e-04	0.0	-6.53e-04
4127	145	8.76	-3.21	-3.75	2.36e-04	0.0	-5.18e-04
4127	161	6.14	-9.37	-2.85	7.44e-04	0.0	-4.39e-04
4127	176	10.86	2.10	-3.13	-1.54e-04	0.0	-6.43e-04
4127	177	8.77	-3.16	-3.74	2.34e-04	0.0	-5.09e-04
4127	193	6.24	-9.24	-2.86	7.33e-04	0.0	-4.42e-04
4127	208	12.74	2.47	-3.33	-1.89e-04	0.0	-7.51e-04
4127	209	10.28	-3.64	-4.03	2.62e-04	0.0	-5.93e-04
4127	225	7.39	-10.72	-3.02	8.43e-04	0.0	-5.25e-04
4128	28	0.47	-1.28	-3.54	1.59e-04	0.0	-1.00e-05
4128	44	0.42	-1.81	-3.21	1.80e-04	0.0	-8.84e-06
4128	52	0.48	-0.42	-3.47	1.09e-04	0.0	-1.07e-05
4128	80	0.34	-0.87	-2.51	1.10e-04	0.0	-7.38e-06
4128	88	0.30	-1.22	-2.29	1.24e-04	0.0	-6.59e-06
4128	92	0.34	-0.30	-2.46	7.68e-05	0.0	-7.85e-06
4128	98	0.29	-0.25	-2.08	6.35e-05	0.0	-7.13e-06
4128	105	0.28	-0.43	-2.02	7.19e-05	0.0	-6.81e-06
4128	107	0.28	-0.24	-2.00	6.08e-05	0.0	-6.97e-06
4128	112	9.97	1.92	-3.01	-1.00e-04	0.0	-5.96e-04
4128	113	8.07	-3.00	-3.55	1.90e-04	0.0	-4.75e-04
4128	129	5.66	-8.68	-2.75	5.61e-04	0.0	-4.09e-04
4128	144	11.20	2.18	-3.14	-1.20e-04	0.0	-6.71e-04
4128	145	9.06	-3.35	-3.75	2.06e-04	0.0	-5.34e-04
4128	161	6.36	-9.73	-2.85	6.24e-04	0.0	-4.61e-04
4128	176	11.22	2.15	-3.13	-1.16e-04	0.0	-6.61e-04
4128	177	9.07	-3.30	-3.74	2.04e-04	0.0	-5.24e-04
4128	193	6.46	-9.60	-2.86	6.14e-04	0.0	-4.64e-04
4128	208	13.16	2.53	-3.33	-1.44e-04	0.0	-7.71e-04
4128	209	10.62	-3.80	-4.03	2.28e-04	0.0	-6.10e-04
4128	225	7.64	-11.12	-3.02	7.05e-04	0.0	-5.50e-04
4129	28	0.52	-1.37	-3.54	1.59e-04	0.0	-1.18e-05
4129	44	0.47	-1.90	-3.21	1.80e-04	0.0	-1.05e-05
4129	52	0.53	-0.48	-3.47	1.09e-04	0.0	-1.24e-05
4129	80	0.37	-0.93	-2.51	1.10e-04	0.0	-8.62e-06
4129	88	0.33	-1.29	-2.29	1.24e-04	0.0	-7.76e-06
4129	92	0.38	-0.34	-2.46	7.67e-05	0.0	-9.06e-06
4129	98	0.32	-0.28	-2.08	6.35e-05	0.0	-8.16e-06
4129	105	0.31	-0.46	-2.02	7.19e-05	0.0	-7.82e-06
4129	107	0.31	-0.27	-2.00	6.08e-05	0.0	-7.96e-06
4129	112	10.30	1.95	-3.01	-6.29e-05	0.0	-6.10e-04
4129	113	8.35	-3.11	-3.55	1.61e-04	0.0	-4.85e-04
4129	129	5.87	-8.94	-2.75	4.45e-04	0.0	-4.20e-04
4129	144	11.57	2.22	-3.13	-7.82e-05	0.0	-6.86e-04
4129	145	9.37	-3.46	-3.75	1.73e-04	0.0	-5.45e-04
4129	161	6.58	-10.02	-2.85	4.93e-04	0.0	-4.73e-04
4129	176	11.60	2.18	-3.13	-7.50e-05	0.0	-6.75e-04
4129	177	9.38	-3.41	-3.73	1.72e-04	0.0	-5.36e-04
4129	193	6.69	-9.88	-2.86	4.86e-04	0.0	-4.75e-04
4129	208	13.59	2.58	-3.33	-9.67e-05	0.0	-7.87e-04
4129	209	10.97	-3.92	-4.03	1.91e-04	0.0	-6.22e-04
4129	225	7.90	-11.45	-3.02	5.55e-04	0.0	-5.63e-04
4130	28	0.37	-1.12	-3.59	1.61e-04	0.0	-6.53e-06
4130	44	0.32	-1.62	-3.26	1.81e-04	0.0	-5.67e-06
4130	52	0.37	-0.31	-3.53	1.11e-04	0.0	-7.05e-06
4130	80	0.26	-0.76	-2.55	1.11e-04	0.0	-4.81e-06
4130	88	0.23	-1.09	-2.32	1.25e-04	0.0	-4.24e-06
4130	92	0.26	-0.22	-2.50	7.82e-05	0.0	-5.16e-06
4130	98	0.22	-0.18	-2.11	6.48e-05	0.0	-4.70e-06
4130	105	0.21	-0.35	-2.04	7.31e-05	0.0	-4.47e-06
4130	107	0.21	-0.17	-2.03	6.20e-05	0.0	-4.59e-06

4130	112	9.32	1.52	-3.16	-1.82e-04	0.0	-5.61e-04
4130	113	7.54	-3.01	-3.74	2.21e-04	0.0	-4.44e-04
4130	129	5.27	-8.12	-2.84	7.82e-04	0.0	-3.67e-04
4130	144	10.48	1.73	-3.31	-2.13e-04	0.0	-6.32e-04
4130	145	8.47	-3.37	-3.96	2.41e-04	0.0	-5.00e-04
4130	161	5.93	-9.11	-2.95	8.71e-04	0.0	-4.14e-04
4130	176	10.51	1.70	-3.30	-2.06e-04	0.0	-6.23e-04
4130	177	8.48	-3.31	-3.94	2.39e-04	0.0	-4.92e-04
4130	193	6.03	-9.00	-2.96	8.58e-04	0.0	-4.16e-04
4130	208	12.33	2.00	-3.52	-2.49e-04	0.0	-7.28e-04
4130	209	9.94	-3.82	-4.27	2.68e-04	0.0	-5.72e-04
4130	225	7.14	-10.44	-3.14	9.88e-04	0.0	-4.95e-04
4131	28	0.42	-1.20	-3.59	1.61e-04	0.0	-8.20e-06
4131	44	0.37	-1.72	-3.26	1.82e-04	0.0	-7.21e-06
4131	52	0.42	-0.37	-3.53	1.11e-04	0.0	-8.77e-06
4131	80	0.30	-0.82	-2.55	1.11e-04	0.0	-6.04e-06
4131	88	0.27	-1.16	-2.32	1.25e-04	0.0	-5.38e-06
4131	92	0.30	-0.26	-2.50	7.81e-05	0.0	-6.43e-06
4131	98	0.25	-0.22	-2.11	6.48e-05	0.0	-5.86e-06
4131	105	0.24	-0.39	-2.04	7.31e-05	0.0	-5.60e-06
4131	107	0.24	-0.21	-2.03	6.20e-05	0.0	-5.73e-06
4131	112	9.64	1.57	-3.16	-1.55e-04	0.0	-5.81e-04
4131	113	7.81	-3.17	-3.74	2.03e-04	0.0	-4.62e-04
4131	129	5.46	-8.52	-2.84	6.99e-04	0.0	-3.92e-04
4131	144	10.84	1.79	-3.30	-1.82e-04	0.0	-6.54e-04
4131	145	8.76	-3.54	-3.95	2.21e-04	0.0	-5.19e-04
4131	161	6.14	-9.56	-2.95	7.79e-04	0.0	-4.42e-04
4131	176	10.86	1.76	-3.30	-1.76e-04	0.0	-6.44e-04
4131	177	8.78	-3.48	-3.94	2.20e-04	0.0	-5.11e-04
4131	193	6.24	-9.43	-2.96	7.67e-04	0.0	-4.45e-04
4131	208	12.74	2.08	-3.52	-2.14e-04	0.0	-7.52e-04
4131	209	10.28	-4.01	-4.26	2.46e-04	0.0	-5.94e-04
4131	225	7.39	-10.94	-3.13	8.82e-04	0.0	-5.28e-04
4132	28	0.47	-1.29	-3.59	1.61e-04	0.0	-9.83e-06
4132	44	0.42	-1.81	-3.26	1.82e-04	0.0	-8.72e-06
4132	52	0.48	-0.43	-3.53	1.11e-04	0.0	-1.04e-05
4132	80	0.34	-0.88	-2.55	1.12e-04	0.0	-7.23e-06
4132	88	0.30	-1.22	-2.32	1.25e-04	0.0	-6.49e-06
4132	92	0.34	-0.30	-2.50	7.81e-05	0.0	-7.61e-06
4132	98	0.29	-0.25	-2.11	6.47e-05	0.0	-6.92e-06
4132	105	0.28	-0.43	-2.04	7.30e-05	0.0	-6.63e-06
4132	107	0.28	-0.24	-2.03	6.19e-05	0.0	-6.75e-06
4132	112	9.97	1.61	-3.15	-1.14e-04	0.0	-5.98e-04
4132	113	8.07	-3.30	-3.73	1.78e-04	0.0	-4.76e-04
4132	129	5.66	-8.86	-2.84	5.79e-04	0.0	-4.15e-04
4132	144	11.20	1.84	-3.30	-1.36e-04	0.0	-6.73e-04
4132	145	9.06	-3.68	-3.95	1.92e-04	0.0	-5.36e-04
4132	161	6.36	-9.93	-2.95	6.44e-04	0.0	-4.67e-04
4132	176	11.22	1.81	-3.29	-1.31e-04	0.0	-6.62e-04
4132	177	9.07	-3.63	-3.93	1.91e-04	0.0	-5.27e-04
4132	193	6.46	-9.81	-2.95	6.35e-04	0.0	-4.70e-04
4132	208	13.16	2.14	-3.51	-1.62e-04	0.0	-7.72e-04
4132	209	10.62	-4.18	-4.26	2.13e-04	0.0	-6.12e-04
4132	225	7.64	-11.37	-3.13	7.28e-04	0.0	-5.58e-04
4133	28	0.53	-1.37	-3.59	1.61e-04	0.0	-1.14e-05
4133	44	0.47	-1.91	-3.26	1.82e-04	0.0	-1.02e-05
4133	52	0.53	-0.49	-3.53	1.11e-04	0.0	-1.19e-05
4133	80	0.38	-0.93	-2.55	1.12e-04	0.0	-8.38e-06
4133	88	0.34	-1.29	-2.32	1.26e-04	0.0	-7.58e-06
4133	92	0.38	-0.34	-2.50	7.81e-05	0.0	-8.71e-06
4133	98	0.33	-0.28	-2.11	6.46e-05	0.0	-7.87e-06
4133	105	0.31	-0.47	-2.04	7.30e-05	0.0	-7.57e-06
4133	107	0.31	-0.27	-2.03	6.18e-05	0.0	-7.68e-06
4133	112	10.33	1.63	-3.16	-6.89e-05	0.0	-6.12e-04
4133	113	8.37	-3.41	-3.73	1.50e-04	0.0	-4.88e-04
4133	129	5.88	-9.12	-2.84	4.45e-04	0.0	-4.32e-04
4133	144	11.60	1.87	-3.30	-8.52e-05	0.0	-6.89e-04
4133	145	9.39	-3.80	-3.95	1.61e-04	0.0	-5.49e-04
4133	161	6.60	-10.23	-2.95	4.93e-04	0.0	-4.87e-04
4133	176	11.63	1.84	-3.29	-8.16e-05	0.0	-6.77e-04
4133	177	9.40	-3.75	-3.93	1.61e-04	0.0	-5.39e-04
4133	193	6.71	-10.10	-2.95	4.87e-04	0.0	-4.90e-04
4133	208	13.63	2.17	-3.52	-1.04e-04	0.0	-7.90e-04
4133	209	11.00	-4.31	-4.26	1.77e-04	0.0	-6.27e-04
4133	225	7.93	-11.71	-3.13	5.56e-04	0.0	-5.81e-04

4134	28	0.37	-1.12	-3.63	1.62e-04	0.0	-6.51e-06
4134	44	0.32	-1.62	-3.29	1.83e-04	0.0	-5.65e-06
4134	52	0.37	-0.32	-3.56	1.13e-04	0.0	-7.02e-06
4134	80	0.26	-0.76	-2.57	1.13e-04	0.0	-4.79e-06
4134	88	0.23	-1.09	-2.34	1.26e-04	0.0	-4.23e-06
4134	92	0.26	-0.22	-2.53	7.95e-05	0.0	-5.14e-06
4134	98	0.22	-0.19	-2.13	6.60e-05	0.0	-4.68e-06
4134	105	0.21	-0.36	-2.06	7.43e-05	0.0	-4.45e-06
4134	107	0.21	-0.18	-2.05	6.32e-05	0.0	-4.57e-06
4134	112	9.32	1.23	-3.30	-2.04e-04	0.0	-5.61e-04
4134	113	7.54	-3.29	-3.91	2.07e-04	0.0	-4.44e-04
4134	129	5.27	-8.27	-2.92	8.16e-04	0.0	-3.67e-04
4134	144	10.48	1.40	-3.46	-2.37e-04	0.0	-6.32e-04
4134	145	8.47	-3.68	-4.14	2.25e-04	0.0	-5.00e-04
4134	161	5.93	-9.28	-3.04	9.10e-04	0.0	-4.14e-04
4134	176	10.51	1.38	-3.45	-2.30e-04	0.0	-6.23e-04
4134	177	8.48	-3.62	-4.13	2.24e-04	0.0	-4.92e-04
4134	193	6.03	-9.17	-3.05	8.97e-04	0.0	-4.17e-04
4134	208	12.33	1.62	-3.70	-2.76e-04	0.0	-7.28e-04
4134	209	9.94	-4.18	-4.48	2.51e-04	0.0	-5.72e-04
4134	225	7.14	-10.65	-3.24	1.03e-03	0.0	-4.95e-04
4135	28	0.42	-1.21	-3.64	1.62e-04	0.0	-8.18e-06
4135	44	0.37	-1.72	-3.30	1.83e-04	0.0	-7.20e-06
4135	52	0.42	-0.38	-3.57	1.12e-04	0.0	-8.74e-06
4135	80	0.30	-0.82	-2.58	1.13e-04	0.0	-6.03e-06
4135	88	0.27	-1.16	-2.35	1.26e-04	0.0	-5.37e-06
4135	92	0.30	-0.26	-2.53	7.93e-05	0.0	-6.40e-06
4135	98	0.25	-0.22	-2.14	6.58e-05	0.0	-5.83e-06
4135	105	0.24	-0.40	-2.07	7.41e-05	0.0	-5.57e-06
4135	107	0.24	-0.21	-2.05	6.30e-05	0.0	-5.70e-06
4135	112	9.65	1.27	-3.29	-1.75e-04	0.0	-5.81e-04
4135	113	7.81	-3.45	-3.90	1.91e-04	0.0	-4.62e-04
4135	129	5.47	-8.68	-2.92	7.32e-04	0.0	-3.92e-04
4135	144	10.84	1.45	-3.45	-2.04e-04	0.0	-6.54e-04
4135	145	8.77	-3.86	-4.13	2.07e-04	0.0	-5.19e-04
4135	161	6.14	-9.74	-3.03	8.15e-04	0.0	-4.42e-04
4135	176	10.87	1.43	-3.44	-1.98e-04	0.0	-6.44e-04
4135	177	8.78	-3.80	-4.11	2.07e-04	0.0	-5.11e-04
4135	193	6.24	-9.63	-3.04	8.03e-04	0.0	-4.45e-04
4135	208	12.75	1.69	-3.69	-2.39e-04	0.0	-7.52e-04
4135	209	10.28	-4.38	-4.47	2.31e-04	0.0	-5.94e-04
4135	225	7.39	-11.18	-3.24	9.24e-04	0.0	-5.28e-04
4136	28	0.47	-1.29	-3.64	1.62e-04	0.0	-9.76e-06
4136	44	0.42	-1.82	-3.30	1.83e-04	0.0	-8.66e-06
4136	52	0.48	-0.43	-3.57	1.12e-04	0.0	-1.03e-05
4136	80	0.34	-0.88	-2.58	1.13e-04	0.0	-7.17e-06
4136	88	0.30	-1.23	-2.35	1.26e-04	0.0	-6.44e-06
4136	92	0.34	-0.31	-2.53	7.92e-05	0.0	-7.53e-06
4136	98	0.29	-0.25	-2.14	6.57e-05	0.0	-6.86e-06
4136	105	0.28	-0.43	-2.07	7.40e-05	0.0	-6.57e-06
4136	107	0.28	-0.24	-2.05	6.29e-05	0.0	-6.69e-06
4136	112	9.96	1.30	-3.27	-1.32e-04	0.0	-5.98e-04
4136	113	8.06	-3.60	-3.87	1.68e-04	0.0	-4.77e-04
4136	129	5.66	-9.04	-2.91	6.07e-04	0.0	-4.17e-04
4136	144	11.19	1.49	-3.42	-1.56e-04	0.0	-6.73e-04
4136	145	9.05	-4.02	-4.10	1.81e-04	0.0	-5.36e-04
4136	161	6.35	-10.14	-3.02	6.75e-04	0.0	-4.70e-04
4136	176	11.21	1.47	-3.42	-1.50e-04	0.0	-6.63e-04
4136	177	9.06	-3.96	-4.09	1.81e-04	0.0	-5.27e-04
4136	193	6.45	-10.02	-3.03	6.66e-04	0.0	-4.73e-04
4136	208	13.15	1.74	-3.66	-1.84e-04	0.0	-7.73e-04
4136	209	10.61	-4.56	-4.43	2.01e-04	0.0	-6.13e-04
4136	225	7.64	-11.63	-3.22	7.64e-04	0.0	-5.61e-04
4137	28	0.53	-1.38	-3.65	1.63e-04	0.0	-1.09e-05
4137	44	0.47	-1.91	-3.30	1.84e-04	0.0	-9.77e-06
4137	52	0.53	-0.49	-3.58	1.13e-04	0.0	-1.13e-05
4137	80	0.38	-0.94	-2.58	1.13e-04	0.0	-8.00e-06
4137	88	0.34	-1.29	-2.35	1.27e-04	0.0	-7.23e-06
4137	92	0.38	-0.35	-2.53	7.94e-05	0.0	-8.27e-06
4137	98	0.33	-0.29	-2.14	6.58e-05	0.0	-7.53e-06
4137	105	0.32	-0.47	-2.07	7.41e-05	0.0	-7.24e-06
4137	107	0.32	-0.28	-2.05	6.30e-05	0.0	-7.33e-06
4137	112	10.37	1.32	-3.23	-7.41e-05	0.0	-6.13e-04
4137	113	8.40	-3.72	-3.83	1.39e-04	0.0	-4.89e-04
4137	129	5.91	-9.33	-2.90	4.44e-04	0.0	-4.41e-04

4137	144	11.65	1.52	-3.38	-9.12e-05	0.0	-6.90e-04
4137	145	9.43	-4.15	-4.05	1.49e-04	0.0	-5.50e-04
4137	161	6.63	-10.46	-3.01	4.91e-04	0.0	-4.96e-04
4137	176	11.67	1.49	-3.38	-8.73e-05	0.0	-6.78e-04
4137	177	9.44	-4.09	-4.04	1.49e-04	0.0	-5.41e-04
4137	193	6.74	-10.33	-3.02	4.85e-04	0.0	-4.99e-04
4137	208	13.68	1.77	-3.61	-1.11e-04	0.0	-7.91e-04
4137	209	11.04	-4.71	-4.38	1.63e-04	0.0	-6.29e-04
4137	225	7.96	-11.99	-3.20	5.54e-04	0.0	-5.92e-04
4138	28	0.57	-1.39	-2.93	1.48e-04	0.0	-1.18e-05
4138	44	0.50	-1.95	-2.64	1.67e-04	0.0	-8.67e-06
4138	52	0.57	-0.47	-2.87	1.02e-04	0.0	-1.50e-05
4138	80	0.40	-0.95	-2.06	1.02e-04	0.0	-8.71e-06
4138	88	0.36	-1.32	-1.87	1.15e-04	0.0	-6.60e-06
4138	92	0.40	-0.33	-2.02	7.20e-05	0.0	-1.08e-05
4138	98	0.34	-0.27	-1.68	5.94e-05	0.0	-9.32e-06
4138	105	0.33	-0.46	-1.62	6.69e-05	0.0	-8.38e-06
4138	107	0.33	-0.26	-1.60	5.68e-05	0.0	-9.09e-06
4138	112	10.41	4.18	-1.69	-1.35e-04	0.0	-6.07e-04
4138	133	-0.24	-8.47	-2.23	4.47e-04	0.0	3.38e-05
4138	139	-5.32	-9.57	-2.10	4.89e-04	0.0	3.64e-04
4138	144	11.70	4.74	-1.70	-1.59e-04	0.0	-6.83e-04
4138	165	-0.31	-9.50	-2.31	4.95e-04	0.0	3.96e-05
4138	171	-6.06	-10.74	-2.16	5.43e-04	0.0	4.12e-04
4138	176	11.72	4.67	-1.70	-1.55e-04	0.0	-6.73e-04
4138	197	-0.33	-9.39	-2.30	4.90e-04	0.0	3.98e-05
4138	203	-6.16	-10.64	-2.15	5.37e-04	0.0	4.12e-04
4138	208	13.73	5.49	-1.71	-1.89e-04	0.0	-7.85e-04
4138	229	-0.45	-10.89	-2.41	5.61e-04	0.0	5.06e-05
4138	235	-7.40	-12.37	-2.24	6.17e-04	0.0	4.92e-04
4139	28	0.61	-1.47	-2.95	1.48e-04	0.0	-1.30e-05
4139	44	0.54	-2.03	-2.65	1.66e-04	0.0	-1.16e-05
4139	52	0.61	-0.53	-2.89	1.05e-04	0.0	-1.50e-05
4139	80	0.43	-1.00	-2.07	1.03e-04	0.0	-9.97e-06
4139	88	0.38	-1.37	-1.88	1.15e-04	0.0	-9.05e-06
4139	92	0.43	-0.37	-2.03	7.46e-05	0.0	-1.14e-05
4139	98	0.36	-0.30	-1.69	6.22e-05	0.0	-1.06e-05
4139	105	0.35	-0.50	-1.63	6.93e-05	0.0	-1.02e-05
4139	107	0.35	-0.29	-1.61	5.98e-05	0.0	-1.06e-05
4139	112	10.57	4.24	-1.69	7.98e-06	0.0	-6.27e-04
4139	133	-0.22	-8.68	-2.24	4.62e-04	0.0	3.76e-05
4139	139	-5.38	-9.81	-2.11	4.64e-04	0.0	3.77e-04
4139	144	11.87	4.81	-1.70	1.54e-06	0.0	-7.05e-04
4139	165	-0.30	-9.73	-2.31	5.13e-04	0.0	4.42e-05
4139	171	-6.12	-11.00	-2.17	5.14e-04	0.0	4.27e-04
4139	176	11.89	4.74	-1.70	0.0	0.0	-6.95e-04
4139	197	-0.32	-9.63	-2.30	5.06e-04	0.0	4.61e-05
4139	203	-6.23	-10.90	-2.16	5.08e-04	0.0	4.29e-04
4139	208	13.93	5.58	-1.71	-1.01e-05	0.0	-8.11e-04
4139	229	-0.44	-11.16	-2.41	5.79e-04	0.0	5.92e-05
4139	235	-7.48	-12.66	-2.25	5.83e-04	0.0	5.13e-04
4140	28	0.66	-1.54	-2.97	1.49e-04	0.0	-1.62e-05
4140	44	0.58	-2.11	-2.67	1.66e-04	0.0	-1.53e-05
4140	52	0.66	-0.58	-2.90	1.07e-04	0.0	-1.62e-05
4140	80	0.46	-1.05	-2.09	1.04e-04	0.0	-1.18e-05
4140	88	0.41	-1.43	-1.89	1.16e-04	0.0	-1.12e-05
4140	92	0.47	-0.41	-2.05	7.62e-05	0.0	-1.18e-05
4140	98	0.39	-0.34	-1.69	6.41e-05	0.0	-1.05e-05
4140	105	0.37	-0.53	-1.63	7.11e-05	0.0	-1.03e-05
4140	107	0.37	-0.32	-1.62	6.18e-05	0.0	-1.03e-05
4140	112	10.70	4.29	-1.70	1.12e-05	0.0	-6.28e-04
4140	133	-0.21	-8.89	-2.24	4.52e-04	0.0	4.75e-05
4140	139	-5.42	-10.03	-2.12	4.53e-04	0.0	3.85e-04
4140	144	12.02	4.87	-1.71	4.90e-06	0.0	-7.06e-04
4140	165	-0.28	-9.96	-2.32	5.00e-04	0.0	5.53e-05
4140	171	-6.16	-11.25	-2.18	5.02e-04	0.0	4.36e-04
4140	176	12.04	4.80	-1.70	3.62e-06	0.0	-6.95e-04
4140	197	-0.30	-9.85	-2.31	4.94e-04	0.0	5.79e-05
4140	203	-6.27	-11.14	-2.17	4.96e-04	0.0	4.38e-04
4140	208	14.10	5.65	-1.71	-6.86e-06	0.0	-8.10e-04
4140	229	-0.43	-11.42	-2.42	5.64e-04	0.0	7.33e-05
4140	235	-7.54	-12.94	-2.26	5.68e-04	0.0	5.23e-04
4141	28	0.57	-1.40	-2.99	1.50e-04	0.0	-1.23e-05
4141	44	0.50	-1.95	-2.70	1.70e-04	0.0	-9.24e-06
4141	52	0.57	-0.48	-2.93	1.03e-04	0.0	-1.57e-05

4141	80	0.40	-0.95	-2.11	1.04e-04	0.0	-9.23e-06
4141	88	0.36	-1.32	-1.91	1.17e-04	0.0	-7.21e-06
4141	92	0.40	-0.34	-2.07	7.29e-05	0.0	-1.15e-05
4141	98	0.34	-0.28	-1.73	6.04e-05	0.0	-1.02e-05
4141	105	0.33	-0.47	-1.67	6.82e-05	0.0	-9.32e-06
4141	107	0.33	-0.27	-1.66	5.78e-05	0.0	-1.01e-05
4141	112	10.42	3.87	-1.88	-1.10e-04	0.0	-6.04e-04
4141	133	-0.24	-8.55	-2.37	4.18e-04	0.0	3.26e-05
4141	139	-5.33	-9.47	-2.16	4.53e-04	0.0	3.60e-04
4141	144	11.70	4.39	-1.90	-1.31e-04	0.0	-6.79e-04
4141	165	-0.31	-9.59	-2.46	4.63e-04	0.0	3.84e-05
4141	171	-6.06	-10.63	-2.22	5.02e-04	0.0	4.08e-04
4141	176	11.72	4.33	-1.90	-1.28e-04	0.0	-6.70e-04
4141	197	-0.33	-9.48	-2.44	4.58e-04	0.0	3.86e-05
4141	203	-6.17	-10.52	-2.21	4.96e-04	0.0	4.08e-04
4141	208	13.74	5.08	-1.94	-1.58e-04	0.0	-7.81e-04
4141	229	-0.45	-10.99	-2.57	5.23e-04	0.0	4.94e-05
4141	235	-7.41	-12.22	-2.29	5.69e-04	0.0	4.87e-04
4142	28	0.61	-1.48	-3.00	1.50e-04	0.0	-1.38e-05
4142	44	0.54	-2.04	-2.70	1.69e-04	0.0	-1.19e-05
4142	52	0.61	-0.54	-2.93	1.05e-04	0.0	-1.58e-05
4142	80	0.43	-1.00	-2.11	1.05e-04	0.0	-1.04e-05
4142	88	0.39	-1.38	-1.91	1.17e-04	0.0	-9.10e-06
4142	92	0.43	-0.38	-2.07	7.44e-05	0.0	-1.17e-05
4142	98	0.36	-0.31	-1.73	6.21e-05	0.0	-1.06e-05
4142	105	0.35	-0.50	-1.67	6.96e-05	0.0	-1.00e-05
4142	107	0.35	-0.30	-1.66	5.96e-05	0.0	-1.05e-05
4142	112	10.57	3.92	-1.88	-9.43e-05	0.0	-6.18e-04
4142	133	-0.22	-8.75	-2.37	3.85e-04	0.0	3.72e-05
4142	139	-5.38	-9.69	-2.16	4.18e-04	0.0	3.71e-04
4142	144	11.87	4.45	-1.91	-1.14e-04	0.0	-6.95e-04
4142	165	-0.30	-9.81	-2.46	4.26e-04	0.0	4.37e-05
4142	171	-6.12	-10.86	-2.22	4.63e-04	0.0	4.20e-04
4142	176	11.89	4.38	-1.90	-1.10e-04	0.0	-6.85e-04
4142	197	-0.32	-9.70	-2.44	4.21e-04	0.0	4.53e-05
4142	203	-6.22	-10.75	-2.21	4.58e-04	0.0	4.22e-04
4142	208	13.93	5.15	-1.94	-1.38e-04	0.0	-7.98e-04
4142	229	-0.44	-11.24	-2.57	4.81e-04	0.0	5.81e-05
4142	235	-7.48	-12.48	-2.29	5.24e-04	0.0	5.04e-04
4143	28	0.66	-1.55	-3.00	1.51e-04	0.0	-1.54e-05
4143	44	0.58	-2.12	-2.70	1.69e-04	0.0	-1.43e-05
4143	52	0.66	-0.59	-2.94	1.06e-04	0.0	-1.56e-05
4143	80	0.46	-1.06	-2.11	1.05e-04	0.0	-1.12e-05
4143	88	0.41	-1.44	-1.92	1.17e-04	0.0	-1.05e-05
4143	92	0.47	-0.41	-2.07	7.53e-05	0.0	-1.13e-05
4143	98	0.39	-0.34	-1.73	6.29e-05	0.0	-1.01e-05
4143	105	0.37	-0.54	-1.67	7.03e-05	0.0	-9.81e-06
4143	107	0.37	-0.33	-1.66	6.05e-05	0.0	-9.84e-06
4143	112	10.70	3.96	-1.88	-8.79e-05	0.0	-6.28e-04
4143	133	-0.21	-8.93	-2.37	3.73e-04	0.0	4.78e-05
4143	139	-5.42	-9.88	-2.16	4.05e-04	0.0	3.86e-04
4143	144	12.02	4.50	-1.91	-1.06e-04	0.0	-7.06e-04
4143	165	-0.28	-10.01	-2.46	4.12e-04	0.0	5.56e-05
4143	171	-6.17	-11.08	-2.22	4.48e-04	0.0	4.37e-04
4143	176	12.04	4.43	-1.90	-1.03e-04	0.0	-6.95e-04
4143	197	-0.30	-9.89	-2.44	4.07e-04	0.0	5.82e-05
4143	203	-6.27	-10.97	-2.21	4.43e-04	0.0	4.39e-04
4143	208	14.10	5.22	-1.95	-1.30e-04	0.0	-8.11e-04
4143	229	-0.43	-11.46	-2.57	4.64e-04	0.0	7.36e-05
4143	235	-7.54	-12.73	-2.29	5.07e-04	0.0	5.24e-04
4144	28	0.57	-1.41	-3.09	1.52e-04	0.0	-1.28e-05
4144	44	0.50	-1.96	-2.79	1.72e-04	0.0	-1.00e-05
4144	52	0.57	-0.49	-3.03	1.04e-04	0.0	-1.57e-05
4144	80	0.40	-0.96	-2.18	1.05e-04	0.0	-9.56e-06
4144	88	0.36	-1.32	-1.98	1.19e-04	0.0	-7.73e-06
4144	92	0.40	-0.35	-2.14	7.32e-05	0.0	-1.15e-05
4144	98	0.34	-0.28	-1.80	6.07e-05	0.0	-1.03e-05
4144	105	0.33	-0.47	-1.74	6.88e-05	0.0	-9.49e-06
4144	107	0.33	-0.27	-1.73	5.81e-05	0.0	-1.01e-05
4144	112	10.43	3.56	-2.08	-8.87e-05	0.0	-6.03e-04
4144	133	-0.24	-8.64	-2.53	3.95e-04	0.0	3.34e-05
4144	139	-5.33	-9.37	-2.24	4.22e-04	0.0	3.60e-04
4144	144	11.71	4.04	-2.12	-1.07e-04	0.0	-6.78e-04
4144	165	-0.31	-9.68	-2.63	4.37e-04	0.0	3.93e-05
4144	171	-6.06	-10.51	-2.30	4.67e-04	0.0	4.07e-04

4144	176	11.73	3.98	-2.12	-1.04e-04	0.0	-6.68e-04
4144	197	-0.33	-9.56	-2.61	4.32e-04	0.0	3.99e-05
4144	203	-6.17	-10.39	-2.29	4.62e-04	0.0	4.07e-04
4144	208	13.75	4.68	-2.19	-1.31e-04	0.0	-7.79e-04
4144	229	-0.45	-11.08	-2.76	4.93e-04	0.0	5.11e-05
4144	235	-7.41	-12.06	-2.37	5.28e-04	0.0	4.86e-04
4145	28	0.61	-1.48	-3.09	1.52e-04	0.0	-1.40e-05
4145	44	0.54	-2.05	-2.79	1.72e-04	0.0	-1.20e-05
4145	52	0.61	-0.55	-3.03	1.05e-04	0.0	-1.57e-05
4145	80	0.43	-1.01	-2.19	1.06e-04	0.0	-1.04e-05
4145	88	0.39	-1.38	-1.98	1.19e-04	0.0	-9.07e-06
4145	92	0.43	-0.38	-2.14	7.41e-05	0.0	-1.15e-05
4145	98	0.36	-0.32	-1.80	6.17e-05	0.0	-1.03e-05
4145	105	0.35	-0.51	-1.74	6.96e-05	0.0	-9.74e-06
4145	107	0.35	-0.30	-1.73	5.91e-05	0.0	-1.01e-05
4145	112	10.57	3.59	-2.08	-7.13e-05	0.0	-6.16e-04
4145	133	-0.22	-8.82	-2.53	3.52e-04	0.0	3.87e-05
4145	139	-5.38	-9.56	-2.24	3.78e-04	0.0	3.71e-04
4145	144	11.87	4.08	-2.12	-8.76e-05	0.0	-6.93e-04
4145	165	-0.30	-9.88	-2.63	3.89e-04	0.0	4.54e-05
4145	171	-6.12	-10.72	-2.30	4.17e-04	0.0	4.21e-04
4145	176	11.89	4.02	-2.12	-8.51e-05	0.0	-6.82e-04
4145	197	-0.32	-9.76	-2.62	3.84e-04	0.0	4.70e-05
4145	203	-6.23	-10.60	-2.29	4.13e-04	0.0	4.22e-04
4145	208	13.93	4.74	-2.19	-1.09e-04	0.0	-7.95e-04
4145	229	-0.44	-11.31	-2.76	4.38e-04	0.0	6.01e-05
4145	235	-7.48	-12.30	-2.37	4.72e-04	0.0	5.04e-04
4146	28	0.66	-1.56	-3.09	1.52e-04	0.0	-1.51e-05
4146	44	0.58	-2.13	-2.79	1.72e-04	0.0	-1.39e-05
4146	52	0.66	-0.60	-3.03	1.05e-04	0.0	-1.54e-05
4146	80	0.46	-1.06	-2.19	1.06e-04	0.0	-1.10e-05
4146	88	0.41	-1.44	-1.98	1.19e-04	0.0	-1.02e-05
4146	92	0.47	-0.42	-2.14	7.46e-05	0.0	-1.12e-05
4146	98	0.39	-0.35	-1.80	6.21e-05	0.0	-9.87e-06
4146	105	0.37	-0.54	-1.74	7.00e-05	0.0	-9.57e-06
4146	107	0.37	-0.33	-1.73	5.96e-05	0.0	-9.62e-06
4146	112	10.71	3.62	-2.08	-6.45e-05	0.0	-6.28e-04
4146	133	-0.21	-8.98	-2.53	3.36e-04	0.0	4.82e-05
4146	139	-5.42	-9.74	-2.24	3.61e-04	0.0	3.87e-04
4146	144	12.02	4.12	-2.12	-8.00e-05	0.0	-7.06e-04
4146	165	-0.28	-10.06	-2.63	3.71e-04	0.0	5.61e-05
4146	171	-6.17	-10.92	-2.30	3.99e-04	0.0	4.38e-04
4146	176	12.04	4.06	-2.12	-7.78e-05	0.0	-6.96e-04
4146	197	-0.30	-9.94	-2.62	3.66e-04	0.0	5.87e-05
4146	203	-6.27	-10.79	-2.29	3.94e-04	0.0	4.40e-04
4146	208	14.10	4.78	-2.19	-1.00e-04	0.0	-8.11e-04
4146	229	-0.43	-11.51	-2.76	4.17e-04	0.0	7.42e-05
4146	235	-7.54	-12.52	-2.37	4.50e-04	0.0	5.25e-04
4147	28	0.57	-1.42	-3.20	1.53e-04	0.0	-1.31e-05
4147	44	0.50	-1.96	-2.89	1.74e-04	0.0	-1.08e-05
4147	52	0.57	-0.50	-3.14	1.04e-04	0.0	-1.54e-05
4147	80	0.40	-0.96	-2.26	1.06e-04	0.0	-9.76e-06
4147	88	0.36	-1.33	-2.06	1.20e-04	0.0	-8.17e-06
4147	92	0.40	-0.35	-2.22	7.34e-05	0.0	-1.12e-05
4147	98	0.34	-0.29	-1.87	6.09e-05	0.0	-1.01e-05
4147	105	0.33	-0.48	-1.81	6.92e-05	0.0	-9.38e-06
4147	107	0.33	-0.28	-1.80	5.83e-05	0.0	-9.88e-06
4147	112	10.43	3.24	-2.28	-7.01e-05	0.0	-6.05e-04
4147	133	-0.23	-8.71	-2.70	3.78e-04	0.0	3.57e-05
4147	139	-5.33	-9.26	-2.32	3.97e-04	0.0	3.62e-04
4147	144	11.72	3.69	-2.34	-8.61e-05	0.0	-6.80e-04
4147	165	-0.31	-9.76	-2.81	4.17e-04	0.0	4.19e-05
4147	171	-6.06	-10.38	-2.39	4.39e-04	0.0	4.10e-04
4147	176	11.74	3.63	-2.34	-8.38e-05	0.0	-6.70e-04
4147	177	9.49	-2.17	-2.80	1.34e-04	0.0	-5.32e-04
4147	203	-6.17	-10.26	-2.37	4.34e-04	0.0	4.11e-04
4147	208	13.75	4.27	-2.43	-1.07e-04	0.0	-7.81e-04
4147	209	11.11	-2.47	-2.96	1.47e-04	0.0	-6.18e-04
4147	235	-7.41	-11.90	-2.46	4.96e-04	0.0	4.90e-04
4148	28	0.61	-1.49	-3.20	1.53e-04	0.0	-1.43e-05
4148	44	0.54	-2.05	-2.89	1.74e-04	0.0	-1.24e-05
4148	52	0.61	-0.55	-3.14	1.05e-04	0.0	-1.57e-05
4148	80	0.43	-1.02	-2.26	1.06e-04	0.0	-1.05e-05
4148	88	0.39	-1.39	-2.06	1.20e-04	0.0	-9.24e-06
4148	92	0.43	-0.39	-2.22	7.39e-05	0.0	-1.14e-05

4148	98	0.36	-0.32	-1.87	6.14e-05	0.0	-1.02e-05
4148	105	0.35	-0.52	-1.81	6.96e-05	0.0	-9.63e-06
4148	107	0.35	-0.31	-1.80	5.88e-05	0.0	-9.93e-06
4148	112	10.57	3.27	-2.28	-5.14e-05	0.0	-6.17e-04
4148	133	-0.22	-8.88	-2.70	3.27e-04	0.0	4.09e-05
4148	139	-5.38	-9.44	-2.32	3.45e-04	0.0	3.74e-04
4148	144	11.87	3.72	-2.34	-6.52e-05	0.0	-6.94e-04
4148	165	-0.30	-9.95	-2.81	3.60e-04	0.0	4.78e-05
4148	171	-6.12	-10.58	-2.39	3.81e-04	0.0	4.23e-04
4148	176	11.89	3.67	-2.34	-6.34e-05	0.0	-6.84e-04
4148	177	9.62	-2.23	-2.80	1.20e-04	0.0	-5.40e-04
4148	203	-6.23	-10.45	-2.37	3.77e-04	0.0	4.25e-04
4148	208	13.93	4.32	-2.43	-8.35e-05	0.0	-7.97e-04
4148	209	11.25	-2.54	-2.96	1.30e-04	0.0	-6.27e-04
4148	235	-7.48	-12.12	-2.46	4.29e-04	0.0	5.07e-04
4149	28	0.66	-1.57	-3.20	1.53e-04	0.0	-1.54e-05
4149	44	0.58	-2.14	-2.89	1.74e-04	0.0	-1.39e-05
4149	52	0.66	-0.61	-3.14	1.05e-04	0.0	-1.57e-05
4149	80	0.46	-1.07	-2.26	1.06e-04	0.0	-1.11e-05
4149	88	0.41	-1.45	-2.06	1.20e-04	0.0	-1.02e-05
4149	92	0.46	-0.43	-2.22	7.40e-05	0.0	-1.14e-05
4149	98	0.39	-0.35	-1.87	6.15e-05	0.0	-1.00e-05
4149	105	0.37	-0.55	-1.81	6.97e-05	0.0	-9.70e-06
4149	107	0.37	-0.34	-1.80	5.90e-05	0.0	-9.77e-06
4149	112	10.71	3.29	-2.28	-4.44e-05	0.0	-6.29e-04
4149	133	-0.21	-9.03	-2.70	3.08e-04	0.0	4.86e-05
4149	139	-5.42	-9.59	-2.32	3.25e-04	0.0	3.87e-04
4149	144	12.02	3.75	-2.34	-5.73e-05	0.0	-7.07e-04
4149	165	-0.28	-10.11	-2.81	3.39e-04	0.0	5.66e-05
4149	171	-6.17	-10.75	-2.39	3.59e-04	0.0	4.38e-04
4149	176	12.04	3.69	-2.34	-5.57e-05	0.0	-6.96e-04
4149	177	9.74	-2.28	-2.80	1.15e-04	0.0	-5.45e-04
4149	203	-6.27	-10.62	-2.37	3.55e-04	0.0	4.40e-04
4149	208	14.10	4.35	-2.43	-7.46e-05	0.0	-8.12e-04
4149	209	11.39	-2.60	-2.96	1.24e-04	0.0	-6.33e-04
4149	235	-7.54	-12.32	-2.46	4.04e-04	0.0	5.26e-04
4150	28	0.57	-1.42	-3.30	1.54e-04	0.0	-1.33e-05
4150	44	0.50	-1.97	-2.99	1.76e-04	0.0	-1.13e-05
4150	52	0.57	-0.51	-3.24	1.05e-04	0.0	-1.49e-05
4150	80	0.40	-0.97	-2.34	1.07e-04	0.0	-9.83e-06
4150	88	0.36	-1.33	-2.13	1.21e-04	0.0	-8.48e-06
4150	92	0.40	-0.36	-2.29	7.39e-05	0.0	-1.09e-05
4150	98	0.34	-0.30	-1.94	6.13e-05	0.0	-9.76e-06
4150	105	0.33	-0.49	-1.87	6.97e-05	0.0	-9.19e-06
4150	107	0.33	-0.28	-1.86	5.87e-05	0.0	-9.54e-06
4150	112	10.44	2.93	-2.47	-5.42e-05	0.0	-6.09e-04
4150	113	8.46	-2.28	-2.92	1.33e-04	0.0	-4.83e-04
4150	139	-5.33	-9.14	-2.41	3.78e-04	0.0	3.67e-04
4150	144	11.72	3.33	-2.55	-6.83e-05	0.0	-6.84e-04
4150	145	9.49	-2.53	-3.06	1.43e-04	0.0	-5.43e-04
4150	171	-6.07	-10.25	-2.47	4.17e-04	0.0	4.15e-04
4150	176	11.75	3.28	-2.55	-6.64e-05	0.0	-6.74e-04
4150	177	9.50	-2.50	-3.04	1.41e-04	0.0	-5.33e-04
4150	203	-6.17	-10.12	-2.46	4.12e-04	0.0	4.16e-04
4150	208	13.76	3.86	-2.67	-8.69e-05	0.0	-7.86e-04
4150	209	11.11	-2.85	-3.24	1.55e-04	0.0	-6.20e-04
4150	235	-7.42	-11.73	-2.54	4.70e-04	0.0	4.96e-04
4151	28	0.61	-1.50	-3.30	1.55e-04	0.0	-1.46e-05
4151	44	0.54	-2.06	-2.99	1.76e-04	0.0	-1.28e-05
4151	52	0.61	-0.56	-3.24	1.05e-04	0.0	-1.56e-05
4151	80	0.43	-1.02	-2.34	1.07e-04	0.0	-1.07e-05
4151	88	0.38	-1.39	-2.13	1.21e-04	0.0	-9.46e-06
4151	92	0.43	-0.40	-2.29	7.43e-05	0.0	-1.13e-05
4151	98	0.36	-0.33	-1.94	6.16e-05	0.0	-1.01e-05
4151	105	0.35	-0.52	-1.87	7.00e-05	0.0	-9.59e-06
4151	107	0.35	-0.31	-1.86	5.90e-05	0.0	-9.81e-06
4151	112	10.58	2.95	-2.47	-3.47e-05	0.0	-6.20e-04
4151	113	8.57	-2.34	-2.92	1.18e-04	0.0	-4.90e-04
4151	139	-5.38	-9.31	-2.41	3.20e-04	0.0	3.77e-04
4151	144	11.88	3.35	-2.55	-4.64e-05	0.0	-6.97e-04
4151	145	9.62	-2.59	-3.06	1.26e-04	0.0	-5.50e-04
4151	171	-6.12	-10.43	-2.47	3.53e-04	0.0	4.27e-04
4151	176	11.90	3.30	-2.55	-4.49e-05	0.0	-6.86e-04
4151	177	9.62	-2.56	-3.04	1.24e-04	0.0	-5.40e-04
4151	203	-6.23	-10.30	-2.46	3.49e-04	0.0	4.28e-04

4151	208	13.94	3.90	-2.67	-6.21e-05	0.0	-8.00e-04
4151	209	11.26	-2.92	-3.24	1.35e-04	0.0	-6.28e-04
4151	235	-7.48	-11.93	-2.54	3.97e-04	0.0	5.11e-04
4152	28	0.66	-1.58	-3.30	1.55e-04	0.0	-1.58e-05
4152	44	0.58	-2.15	-2.99	1.76e-04	0.0	-1.42e-05
4152	52	0.66	-0.62	-3.24	1.05e-04	0.0	-1.62e-05
4152	80	0.46	-1.07	-2.34	1.07e-04	0.0	-1.14e-05
4152	88	0.41	-1.45	-2.13	1.21e-04	0.0	-1.04e-05
4152	92	0.46	-0.43	-2.29	7.44e-05	0.0	-1.17e-05
4152	98	0.39	-0.36	-1.94	6.18e-05	0.0	-1.03e-05
4152	105	0.37	-0.56	-1.87	7.01e-05	0.0	-9.93e-06
4152	107	0.37	-0.34	-1.86	5.92e-05	0.0	-1.00e-05
4152	112	10.71	2.96	-2.47	-2.73e-05	0.0	-6.29e-04
4152	113	8.68	-2.39	-2.92	1.13e-04	0.0	-4.95e-04
4152	139	-5.42	-9.45	-2.41	2.99e-04	0.0	3.88e-04
4152	144	12.02	3.37	-2.55	-3.81e-05	0.0	-7.08e-04
4152	145	9.74	-2.65	-3.06	1.19e-04	0.0	-5.56e-04
4152	171	-6.17	-10.59	-2.47	3.29e-04	0.0	4.39e-04
4152	176	12.04	3.32	-2.55	-3.69e-05	0.0	-6.97e-04
4152	177	9.74	-2.62	-3.04	1.18e-04	0.0	-5.45e-04
4152	203	-6.28	-10.45	-2.46	3.25e-04	0.0	4.41e-04
4152	208	14.10	3.92	-2.67	-5.27e-05	0.0	-8.13e-04
4152	209	11.39	-2.98	-3.24	1.28e-04	0.0	-6.33e-04
4152	235	-7.55	-12.11	-2.54	3.69e-04	0.0	5.26e-04
4153	28	0.57	-1.43	-3.39	1.56e-04	0.0	-1.34e-05
4153	44	0.50	-1.98	-3.07	1.77e-04	0.0	-1.17e-05
4153	52	0.57	-0.52	-3.33	1.06e-04	0.0	-1.45e-05
4153	80	0.40	-0.97	-2.40	1.08e-04	0.0	-9.83e-06
4153	88	0.36	-1.34	-2.19	1.22e-04	0.0	-8.67e-06
4153	92	0.40	-0.36	-2.36	7.47e-05	0.0	-1.06e-05
4153	98	0.34	-0.30	-2.00	6.19e-05	0.0	-9.45e-06
4153	105	0.33	-0.49	-1.93	7.03e-05	0.0	-8.98e-06
4153	107	0.33	-0.29	-1.92	5.92e-05	0.0	-9.23e-06
4153	112	10.45	2.61	-2.66	-4.11e-05	0.0	-6.13e-04
4153	113	8.47	-2.58	-3.14	1.39e-04	0.0	-4.86e-04
4153	135	-5.71	-9.02	-2.42	3.62e-04	0.0	3.64e-04
4153	144	11.73	2.97	-2.76	-5.36e-05	0.0	-6.89e-04
4153	145	9.50	-2.86	-3.30	1.49e-04	0.0	-5.46e-04
4153	167	-6.48	-10.11	-2.48	4.00e-04	0.0	4.12e-04
4153	176	11.75	2.93	-2.75	-5.19e-05	0.0	-6.78e-04
4153	177	9.51	-2.82	-3.28	1.47e-04	0.0	-5.36e-04
4153	199	-6.51	-9.97	-2.47	3.95e-04	0.0	4.07e-04
4153	208	13.77	3.45	-2.90	-7.01e-05	0.0	-7.91e-04
4153	209	11.12	-3.23	-3.52	1.62e-04	0.0	-6.23e-04
4153	235	-7.42	-11.55	-2.62	4.50e-04	0.0	5.02e-04
4154	28	0.61	-1.51	-3.39	1.56e-04	0.0	-1.47e-05
4154	44	0.54	-2.07	-3.07	1.77e-04	0.0	-1.30e-05
4154	52	0.61	-0.57	-3.33	1.06e-04	0.0	-1.54e-05
4154	80	0.43	-1.03	-2.40	1.08e-04	0.0	-1.07e-05
4154	88	0.38	-1.40	-2.19	1.22e-04	0.0	-9.61e-06
4154	92	0.43	-0.40	-2.36	7.50e-05	0.0	-1.12e-05
4154	98	0.36	-0.33	-2.00	6.22e-05	0.0	-9.93e-06
4154	105	0.35	-0.53	-1.93	7.06e-05	0.0	-9.51e-06
4154	107	0.35	-0.32	-1.92	5.95e-05	0.0	-9.67e-06
4154	112	10.58	2.62	-2.66	-2.15e-05	0.0	-6.22e-04
4154	113	8.58	-2.64	-3.14	1.21e-04	0.0	-4.91e-04
4154	135	-5.76	-9.18	-2.42	3.00e-04	0.0	3.72e-04
4154	144	11.88	2.99	-2.76	-3.16e-05	0.0	-6.99e-04
4154	145	9.62	-2.93	-3.30	1.29e-04	0.0	-5.52e-04
4154	167	-6.54	-10.28	-2.48	3.31e-04	0.0	4.21e-04
4154	176	11.90	2.94	-2.75	-3.03e-05	0.0	-6.89e-04
4154	177	9.63	-2.89	-3.28	1.28e-04	0.0	-5.42e-04
4154	199	-6.56	-10.14	-2.47	3.26e-04	0.0	4.17e-04
4154	208	13.94	3.48	-2.90	-4.51e-05	0.0	-8.03e-04
4154	209	11.26	-3.31	-3.52	1.39e-04	0.0	-6.29e-04
4154	235	-7.49	-11.74	-2.62	3.71e-04	0.0	5.14e-04
4155	28	0.66	-1.59	-3.39	1.56e-04	0.0	-1.58e-05
4155	44	0.58	-2.16	-3.07	1.78e-04	0.0	-1.43e-05
4155	52	0.66	-0.63	-3.33	1.07e-04	0.0	-1.62e-05
4155	80	0.46	-1.08	-2.40	1.08e-04	0.0	-1.15e-05
4155	88	0.41	-1.46	-2.19	1.23e-04	0.0	-1.05e-05
4155	92	0.46	-0.44	-2.36	7.52e-05	0.0	-1.17e-05
4155	98	0.39	-0.36	-2.00	6.24e-05	0.0	-1.03e-05
4155	105	0.37	-0.56	-1.93	7.08e-05	0.0	-9.93e-06
4155	107	0.37	-0.35	-1.92	5.97e-05	0.0	-1.00e-05

4155	112	10.71	2.63	-2.66	-1.40e-05	0.0	-6.30e-04
4155	113	8.68	-2.69	-3.14	1.15e-04	0.0	-4.95e-04
4155	135	-5.80	-9.31	-2.42	2.77e-04	0.0	3.80e-04
4155	144	12.02	3.00	-2.76	-2.32e-05	0.0	-7.08e-04
4155	145	9.73	-2.99	-3.30	1.22e-04	0.0	-5.56e-04
4155	167	-6.59	-10.43	-2.48	3.04e-04	0.0	4.30e-04
4155	176	12.04	2.95	-2.75	-2.21e-05	0.0	-6.97e-04
4155	177	9.74	-2.95	-3.28	1.21e-04	0.0	-5.46e-04
4155	199	-6.62	-10.29	-2.47	3.01e-04	0.0	4.26e-04
4155	208	14.10	3.49	-2.90	-3.56e-05	0.0	-8.13e-04
4155	209	11.39	-3.37	-3.52	1.31e-04	0.0	-6.33e-04
4155	235	-7.55	-11.91	-2.62	3.42e-04	0.0	5.27e-04
4156	28	0.57	-1.44	-3.47	1.57e-04	0.0	-1.34e-05
4156	44	0.50	-1.98	-3.15	1.79e-04	0.0	-1.19e-05
4156	52	0.57	-0.53	-3.40	1.07e-04	0.0	-1.42e-05
4156	80	0.40	-0.98	-2.46	1.09e-04	0.0	-9.80e-06
4156	88	0.36	-1.34	-2.24	1.23e-04	0.0	-8.79e-06
4156	92	0.40	-0.37	-2.42	7.56e-05	0.0	-1.03e-05
4156	98	0.34	-0.31	-2.04	6.26e-05	0.0	-9.21e-06
4156	105	0.33	-0.50	-1.98	7.11e-05	0.0	-8.82e-06
4156	107	0.33	-0.29	-1.96	5.99e-05	0.0	-8.99e-06
4156	112	10.46	2.34	-2.84	-3.22e-05	0.0	-6.16e-04
4156	113	8.47	-2.83	-3.35	1.41e-04	0.0	-4.89e-04
4156	127	0.85	-8.96	-2.04	3.54e-04	0.0	-8.25e-05
4156	144	11.74	2.66	-2.95	-4.36e-05	0.0	-6.93e-04
4156	145	9.51	-3.15	-3.53	1.51e-04	0.0	-5.49e-04
4156	159	0.92	-10.04	-2.05	3.90e-04	0.0	-9.24e-05
4156	176	11.76	2.62	-2.95	-4.16e-05	0.0	-6.82e-04
4156	177	9.51	-3.10	-3.51	1.50e-04	0.0	-5.39e-04
4156	191	0.93	-9.90	-2.05	3.85e-04	0.0	-9.56e-05
4156	208	13.78	3.09	-3.12	-5.80e-05	0.0	-7.95e-04
4156	209	11.13	-3.56	-3.78	1.65e-04	0.0	-6.26e-04
4156	223	1.05	-11.46	-2.07	4.38e-04	0.0	-1.14e-04
4157	28	0.61	-1.52	-3.47	1.58e-04	0.0	-1.47e-05
4157	44	0.54	-2.07	-3.15	1.79e-04	0.0	-1.32e-05
4157	52	0.61	-0.58	-3.40	1.07e-04	0.0	-1.53e-05
4157	80	0.43	-1.03	-2.46	1.09e-04	0.0	-1.07e-05
4157	88	0.38	-1.40	-2.24	1.23e-04	0.0	-9.71e-06
4157	92	0.43	-0.41	-2.42	7.57e-05	0.0	-1.11e-05
4157	98	0.36	-0.34	-2.04	6.27e-05	0.0	-9.81e-06
4157	105	0.35	-0.53	-1.98	7.12e-05	0.0	-9.43e-06
4157	107	0.35	-0.32	-1.96	6.00e-05	0.0	-9.55e-06
4157	112	10.58	2.34	-2.84	-1.23e-05	0.0	-6.24e-04
4157	113	8.58	-2.89	-3.35	1.22e-04	0.0	-4.93e-04
4157	127	0.87	-9.11	-2.04	2.88e-04	0.0	-7.64e-05
4157	144	11.88	2.67	-2.95	-2.13e-05	0.0	-7.01e-04
4157	145	9.62	-3.22	-3.53	1.29e-04	0.0	-5.54e-04
4157	159	0.94	-10.21	-2.05	3.16e-04	0.0	-8.54e-05
4157	176	11.90	2.63	-2.95	-1.98e-05	0.0	-6.91e-04
4157	177	9.63	-3.17	-3.51	1.28e-04	0.0	-5.43e-04
4157	191	0.96	-10.06	-2.05	3.12e-04	0.0	-8.83e-05
4157	208	13.94	3.11	-3.12	-3.28e-05	0.0	-8.05e-04
4157	209	11.26	-3.64	-3.78	1.40e-04	0.0	-6.31e-04
4157	223	1.07	-11.64	-2.07	3.53e-04	0.0	-1.06e-04
4158	28	0.65	-1.60	-3.47	1.58e-04	0.0	-1.58e-05
4158	44	0.58	-2.16	-3.15	1.79e-04	0.0	-1.43e-05
4158	52	0.66	-0.63	-3.40	1.07e-04	0.0	-1.61e-05
4158	80	0.46	-1.09	-2.46	1.09e-04	0.0	-1.14e-05
4158	88	0.41	-1.47	-2.24	1.23e-04	0.0	-1.05e-05
4158	92	0.46	-0.45	-2.42	7.58e-05	0.0	-1.16e-05
4158	98	0.39	-0.37	-2.04	6.28e-05	0.0	-1.02e-05
4158	105	0.37	-0.57	-1.98	7.12e-05	0.0	-9.88e-06
4158	107	0.37	-0.35	-1.96	6.01e-05	0.0	-9.94e-06
4158	112	10.71	2.34	-2.84	-4.87e-06	0.0	-6.30e-04
4158	113	8.68	-2.95	-3.35	1.14e-04	0.0	-4.95e-04
4158	127	0.90	-9.24	-2.04	2.63e-04	0.0	-6.99e-05
4158	144	12.02	2.68	-2.95	-1.29e-05	0.0	-7.08e-04
4158	145	9.73	-3.28	-3.53	1.21e-04	0.0	-5.56e-04
4158	159	0.97	-10.34	-2.05	2.88e-04	0.0	-7.80e-05
4158	176	12.04	2.63	-2.95	-1.16e-05	0.0	-6.97e-04
4158	177	9.74	-3.23	-3.52	1.20e-04	0.0	-5.46e-04
4158	191	0.98	-10.20	-2.05	2.84e-04	0.0	-8.04e-05
4158	208	14.10	3.12	-3.12	-2.34e-05	0.0	-8.13e-04
4158	209	11.39	-3.70	-3.78	1.30e-04	0.0	-6.33e-04
4158	223	1.10	-11.79	-2.07	3.21e-04	0.0	-9.61e-05

4159	28	0.57	-1.45	-3.54	1.59e-04	0.0	-1.35e-05
4159	44	0.50	-1.99	-3.21	1.80e-04	0.0	-1.21e-05
4159	52	0.57	-0.53	-3.47	1.09e-04	0.0	-1.40e-05
4159	80	0.40	-0.98	-2.51	1.10e-04	0.0	-9.84e-06
4159	88	0.36	-1.35	-2.29	1.24e-04	0.0	-8.91e-06
4159	92	0.41	-0.38	-2.46	7.66e-05	0.0	-1.02e-05
4159	98	0.34	-0.31	-2.08	6.35e-05	0.0	-9.10e-06
4159	105	0.33	-0.50	-2.02	7.19e-05	0.0	-8.75e-06
4159	107	0.33	-0.30	-2.00	6.07e-05	0.0	-8.88e-06
4159	112	10.46	1.96	-3.01	-3.06e-05	0.0	-6.19e-04
4159	113	8.48	-3.19	-3.55	1.36e-04	0.0	-4.91e-04
4159	129	5.96	-9.13	-2.75	3.44e-04	0.0	-4.20e-04
4159	144	11.75	2.24	-3.13	-4.19e-05	0.0	-6.96e-04
4159	145	9.51	-3.55	-3.75	1.45e-04	0.0	-5.52e-04
4159	161	6.69	-10.23	-2.85	3.79e-04	0.0	-4.73e-04
4159	176	11.77	2.20	-3.13	-3.94e-05	0.0	-6.85e-04
4159	177	9.52	-3.50	-3.73	1.44e-04	0.0	-5.42e-04
4159	193	6.79	-10.09	-2.86	3.74e-04	0.0	-4.75e-04
4159	208	13.79	2.61	-3.33	-5.55e-05	0.0	-7.98e-04
4159	209	11.14	-4.02	-4.03	1.58e-04	0.0	-6.30e-04
4159	225	8.03	-11.69	-3.02	4.25e-04	0.0	-5.64e-04
4160	28	0.61	-1.53	-3.54	1.59e-04	0.0	-1.49e-05
4160	44	0.54	-2.08	-3.21	1.80e-04	0.0	-1.35e-05
4160	52	0.61	-0.59	-3.47	1.09e-04	0.0	-1.54e-05
4160	80	0.43	-1.04	-2.51	1.10e-04	0.0	-1.09e-05
4160	88	0.38	-1.41	-2.29	1.24e-04	0.0	-9.88e-06
4160	92	0.43	-0.41	-2.46	7.66e-05	0.0	-1.11e-05
4160	98	0.36	-0.34	-2.08	6.34e-05	0.0	-9.84e-06
4160	105	0.35	-0.54	-2.02	7.19e-05	0.0	-9.49e-06
4160	107	0.35	-0.33	-2.00	6.07e-05	0.0	-9.58e-06
4160	112	10.58	1.96	-3.01	-7.11e-06	0.0	-6.25e-04
4160	113	8.58	-3.25	-3.55	1.17e-04	0.0	-4.94e-04
4160	129	6.03	-9.27	-2.75	2.69e-04	0.0	-4.15e-04
4160	144	11.88	2.24	-3.13	-1.55e-05	0.0	-7.03e-04
4160	145	9.62	-3.62	-3.75	1.24e-04	0.0	-5.55e-04
4160	161	6.77	-10.39	-2.85	2.95e-04	0.0	-4.67e-04
4160	176	11.91	2.21	-3.13	-1.37e-05	0.0	-6.92e-04
4160	177	9.63	-3.57	-3.73	1.23e-04	0.0	-5.45e-04
4160	193	6.87	-10.25	-2.86	2.92e-04	0.0	-4.69e-04
4160	208	13.95	2.62	-3.33	-2.56e-05	0.0	-8.07e-04
4160	209	11.27	-4.09	-4.03	1.34e-04	0.0	-6.33e-04
4160	225	8.12	-11.87	-3.02	3.29e-04	0.0	-5.56e-04
4161	28	0.65	-1.61	-3.54	1.59e-04	0.0	-1.59e-05
4161	44	0.58	-2.17	-3.21	1.80e-04	0.0	-1.44e-05
4161	52	0.66	-0.64	-3.47	1.09e-04	0.0	-1.62e-05
4161	80	0.46	-1.09	-2.51	1.10e-04	0.0	-1.15e-05
4161	88	0.41	-1.47	-2.29	1.24e-04	0.0	-1.05e-05
4161	92	0.46	-0.45	-2.46	7.66e-05	0.0	-1.17e-05
4161	98	0.39	-0.38	-2.08	6.34e-05	0.0	-1.03e-05
4161	105	0.37	-0.57	-2.02	7.19e-05	0.0	-9.93e-06
4161	107	0.37	-0.36	-2.00	6.07e-05	0.0	-1.00e-05
4161	112	10.70	1.95	-3.01	1.57e-06	0.0	-6.30e-04
4161	113	8.68	-3.31	-3.55	1.10e-04	0.0	-4.95e-04
4161	129	6.11	-9.39	-2.75	2.41e-04	0.0	-4.09e-04
4161	144	12.02	2.24	-3.13	-5.76e-06	0.0	-7.08e-04
4161	145	9.73	-3.68	-3.75	1.16e-04	0.0	-5.56e-04
4161	161	6.85	-10.51	-2.85	2.64e-04	0.0	-4.60e-04
4161	176	12.04	2.20	-3.13	-4.22e-06	0.0	-6.97e-04
4161	177	9.74	-3.62	-3.73	1.15e-04	0.0	-5.46e-04
4161	193	6.95	-10.37	-2.86	2.61e-04	0.0	-4.62e-04
4161	208	14.10	2.62	-3.33	-1.47e-05	0.0	-8.13e-04
4161	209	11.39	-4.15	-4.03	1.24e-04	0.0	-6.33e-04
4161	225	8.21	-12.00	-3.02	2.93e-04	0.0	-5.47e-04
4162	28	0.57	-1.45	-3.59	1.61e-04	0.0	-1.37e-05
4162	44	0.50	-2.00	-3.26	1.82e-04	0.0	-1.24e-05
4162	52	0.57	-0.54	-3.53	1.10e-04	0.0	-1.41e-05
4162	80	0.40	-0.99	-2.55	1.11e-04	0.0	-9.98e-06
4162	88	0.36	-1.35	-2.32	1.26e-04	0.0	-9.09e-06
4162	92	0.41	-0.38	-2.50	7.79e-05	0.0	-1.03e-05
4162	98	0.35	-0.32	-2.11	6.44e-05	0.0	-9.14e-06
4162	105	0.33	-0.51	-2.04	7.29e-05	0.0	-8.81e-06
4162	107	0.33	-0.30	-2.03	6.17e-05	0.0	-8.91e-06
4162	112	10.47	1.64	-3.16	-2.96e-05	0.0	-6.21e-04
4162	113	8.49	-3.50	-3.73	1.26e-04	0.0	-4.93e-04
4162	129	5.97	-9.31	-2.84	3.29e-04	0.0	-4.24e-04

4162	144	11.76	1.88	-3.30	-4.09e-05	0.0	-6.98e-04
4162	145	9.52	-3.89	-3.95	1.34e-04	0.0	-5.54e-04
4162	161	6.70	-10.44	-2.95	3.62e-04	0.0	-4.78e-04
4162	176	11.78	1.85	-3.29	-3.84e-05	0.0	-6.87e-04
4162	177	9.53	-3.83	-3.93	1.34e-04	0.0	-5.44e-04
4162	193	6.80	-10.30	-2.95	3.58e-04	0.0	-4.80e-04
4162	208	13.81	2.19	-3.52	-5.43e-05	0.0	-8.01e-04
4162	209	11.15	-4.41	-4.26	1.46e-04	0.0	-6.32e-04
4162	225	8.03	-11.94	-3.13	4.07e-04	0.0	-5.69e-04
4163	28	0.61	-1.53	-3.59	1.60e-04	0.0	-1.55e-05
4163	44	0.54	-2.09	-3.26	1.82e-04	0.0	-1.40e-05
4163	52	0.61	-0.60	-3.53	1.10e-04	0.0	-1.59e-05
4163	80	0.43	-1.05	-2.55	1.11e-04	0.0	-1.12e-05
4163	88	0.38	-1.42	-2.32	1.25e-04	0.0	-1.03e-05
4163	92	0.43	-0.42	-2.50	7.75e-05	0.0	-1.15e-05
4163	98	0.36	-0.35	-2.11	6.42e-05	0.0	-1.01e-05
4163	105	0.35	-0.54	-2.04	7.26e-05	0.0	-9.75e-06
4163	107	0.35	-0.33	-2.03	6.14e-05	0.0	-9.84e-06
4163	112	10.59	1.63	-3.16	-1.92e-06	0.0	-6.27e-04
4163	113	8.58	-3.56	-3.73	1.09e-04	0.0	-4.95e-04
4163	129	6.04	-9.44	-2.84	2.47e-04	0.0	-4.15e-04
4163	144	11.89	1.88	-3.30	-9.78e-06	0.0	-7.05e-04
4163	145	9.63	-3.96	-3.95	1.15e-04	0.0	-5.56e-04
4163	161	6.77	-10.58	-2.95	2.70e-04	0.0	-4.67e-04
4163	176	11.91	1.85	-3.29	-8.02e-06	0.0	-6.94e-04
4163	177	9.63	-3.90	-3.93	1.15e-04	0.0	-5.46e-04
4163	193	6.88	-10.44	-2.95	2.67e-04	0.0	-4.69e-04
4163	208	13.95	2.20	-3.52	-1.91e-05	0.0	-8.09e-04
4163	209	11.27	-4.48	-4.26	1.24e-04	0.0	-6.34e-04
4163	225	8.12	-12.10	-3.13	3.01e-04	0.0	-5.56e-04
4164	28	0.65	-1.61	-3.59	1.60e-04	0.0	-1.61e-05
4164	44	0.57	-2.18	-3.26	1.81e-04	0.0	-1.46e-05
4164	52	0.66	-0.65	-3.53	1.10e-04	0.0	-1.64e-05
4164	80	0.46	-1.10	-2.55	1.11e-04	0.0	-1.16e-05
4164	88	0.41	-1.48	-2.32	1.25e-04	0.0	-1.06e-05
4164	92	0.46	-0.46	-2.50	7.72e-05	0.0	-1.19e-05
4164	98	0.38	-0.38	-2.11	6.39e-05	0.0	-1.04e-05
4164	105	0.37	-0.58	-2.04	7.24e-05	0.0	-1.01e-05
4164	107	0.37	-0.36	-2.03	6.11e-05	0.0	-1.01e-05
4164	112	10.70	1.62	-3.16	7.67e-06	0.0	-6.30e-04
4164	113	8.68	-3.61	-3.73	1.03e-04	0.0	-4.95e-04
4164	129	6.11	-9.54	-2.84	2.17e-04	0.0	-4.09e-04
4164	144	12.01	1.87	-3.30	1.04e-06	0.0	-7.08e-04
4164	145	9.73	-4.02	-3.95	1.08e-04	0.0	-5.56e-04
4164	161	6.85	-10.69	-2.95	2.37e-04	0.0	-4.60e-04
4164	176	12.04	1.84	-3.29	2.51e-06	0.0	-6.98e-04
4164	177	9.74	-3.96	-3.93	1.08e-04	0.0	-5.46e-04
4164	193	6.95	-10.55	-2.95	2.34e-04	0.0	-4.62e-04
4164	208	14.10	2.19	-3.51	-6.85e-06	0.0	-8.13e-04
4164	209	11.39	-4.54	-4.26	1.16e-04	0.0	-6.34e-04
4164	225	8.21	-12.22	-3.13	2.63e-04	0.0	-5.47e-04
4165	28	0.57	-1.46	-3.65	1.63e-04	0.0	-1.40e-05
4165	44	0.50	-2.01	-3.30	1.84e-04	0.0	-1.27e-05
4165	52	0.57	-0.55	-3.58	1.13e-04	0.0	-1.44e-05
4165	80	0.40	-1.00	-2.58	1.13e-04	0.0	-1.02e-05
4165	88	0.36	-1.36	-2.35	1.27e-04	0.0	-9.31e-06
4165	92	0.41	-0.39	-2.53	7.94e-05	0.0	-1.05e-05
4165	98	0.35	-0.32	-2.14	6.57e-05	0.0	-9.27e-06
4165	105	0.33	-0.51	-2.07	7.41e-05	0.0	-8.95e-06
4165	107	0.33	-0.31	-2.05	6.29e-05	0.0	-9.04e-06
4165	112	10.48	1.32	-3.22	-2.41e-05	0.0	-6.21e-04
4165	113	8.50	-3.80	-3.81	1.15e-04	0.0	-4.94e-04
4165	129	5.97	-9.49	-2.89	3.03e-04	0.0	-4.25e-04
4165	144	11.77	1.52	-3.36	-3.49e-05	0.0	-6.99e-04
4165	145	9.53	-4.24	-4.03	1.22e-04	0.0	-5.55e-04
4165	161	6.70	-10.64	-3.00	3.33e-04	0.0	-4.79e-04
4165	176	11.79	1.49	-3.36	-3.25e-05	0.0	-6.88e-04
4165	177	9.54	-4.17	-4.01	1.22e-04	0.0	-5.45e-04
4165	193	6.81	-10.51	-3.01	3.29e-04	0.0	-4.81e-04
4165	208	13.82	1.78	-3.59	-4.77e-05	0.0	-8.02e-04
4165	209	11.16	-4.80	-4.35	1.32e-04	0.0	-6.33e-04
4165	225	8.04	-12.19	-3.19	3.73e-04	0.0	-5.70e-04
4166	28	0.61	-1.54	-3.65	1.62e-04	0.0	-1.62e-05
4166	44	0.54	-2.10	-3.30	1.83e-04	0.0	-1.47e-05
4166	52	0.61	-0.61	-3.58	1.11e-04	0.0	-1.66e-05

4166	80	0.43	-1.05	-2.58	1.12e-04	0.0	-1.17e-05
4166	88	0.38	-1.42	-2.35	1.26e-04	0.0	-1.08e-05
4166	92	0.43	-0.43	-2.53	7.85e-05	0.0	-1.20e-05
4166	98	0.36	-0.36	-2.14	6.49e-05	0.0	-1.05e-05
4166	105	0.35	-0.55	-2.06	7.33e-05	0.0	-1.01e-05
4166	107	0.35	-0.34	-2.05	6.21e-05	0.0	-1.02e-05
4166	112	10.59	1.31	-3.20	3.58e-06	0.0	-6.27e-04
4166	113	8.58	-3.87	-3.79	1.02e-04	0.0	-4.96e-04
4166	129	6.04	-9.61	-2.88	2.24e-04	0.0	-4.15e-04
4166	144	11.89	1.51	-3.35	-3.69e-06	0.0	-7.05e-04
4166	145	9.63	-4.31	-4.01	1.07e-04	0.0	-5.57e-04
4166	161	6.77	-10.77	-2.99	2.44e-04	0.0	-4.67e-04
4166	176	11.91	1.48	-3.35	-2.06e-06	0.0	-6.95e-04
4166	177	9.64	-4.24	-4.00	1.06e-04	0.0	-5.47e-04
4166	193	6.88	-10.64	-3.00	2.41e-04	0.0	-4.69e-04
4166	208	13.95	1.77	-3.57	-1.23e-05	0.0	-8.10e-04
4166	209	11.27	-4.87	-4.33	1.14e-04	0.0	-6.35e-04
4166	225	8.12	-12.34	-3.19	2.71e-04	0.0	-5.56e-04
4167	28	0.65	-1.62	-3.65	1.62e-04	0.0	-1.55e-05
4167	44	0.57	-2.19	-3.30	1.83e-04	0.0	-1.40e-05
4167	52	0.65	-0.66	-3.58	1.11e-04	0.0	-1.57e-05
4167	80	0.46	-1.11	-2.58	1.12e-04	0.0	-1.12e-05
4167	88	0.41	-1.48	-2.35	1.26e-04	0.0	-1.02e-05
4167	92	0.46	-0.47	-2.53	7.83e-05	0.0	-1.14e-05
4167	98	0.38	-0.39	-2.14	6.48e-05	0.0	-1.00e-05
4167	105	0.37	-0.58	-2.06	7.32e-05	0.0	-9.66e-06
4167	107	0.37	-0.37	-2.05	6.20e-05	0.0	-9.72e-06
4167	112	10.70	1.29	-3.20	1.30e-05	0.0	-6.30e-04
4167	113	8.68	-3.92	-3.79	9.67e-05	0.0	-4.95e-04
4167	129	6.10	-9.70	-2.88	1.96e-04	0.0	-4.08e-04
4167	144	12.01	1.50	-3.35	6.95e-06	0.0	-7.08e-04
4167	145	9.73	-4.36	-4.01	1.01e-04	0.0	-5.56e-04
4167	161	6.85	-10.87	-2.99	2.13e-04	0.0	-4.59e-04
4167	176	12.03	1.47	-3.34	8.32e-06	0.0	-6.97e-04
4167	177	9.74	-4.29	-4.00	1.01e-04	0.0	-5.45e-04
4167	193	6.95	-10.74	-3.00	2.11e-04	0.0	-4.61e-04
4167	208	14.09	1.76	-3.57	0.0	0.0	-8.13e-04
4167	209	11.39	-4.93	-4.33	1.08e-04	0.0	-6.33e-04
4167	225	8.21	-12.44	-3.18	2.36e-04	0.0	-5.46e-04
4168	4	0.40	0.24	-2.31	4.16e-04	-2.67e-04	-3.76e-05
4168	28	0.40	-1.70	-2.66	1.36e-04	-2.65e-04	2.97e-06
4168	44	0.34	-2.26	-2.53	6.43e-05	-2.47e-04	1.31e-05
4168	68	0.28	0.13	-1.66	2.88e-04	-1.96e-04	-2.61e-05
4168	80	0.28	-1.17	-1.89	1.02e-04	-1.95e-04	0.0
4168	88	0.24	-1.54	-1.81	5.37e-05	-1.82e-04	7.73e-06
4168	98	0.22	-0.45	-1.55	1.35e-04	-1.80e-04	-8.55e-06
4168	105	0.20	-0.64	-1.53	1.13e-04	-1.76e-04	-5.20e-06
4168	107	0.20	-0.43	-1.49	1.30e-04	-1.76e-04	-8.47e-06
4168	108	8.32	-2.86	-1.78	-1.37e-04	-1.12e-04	-4.81e-04
4168	129	-1.84	-12.02	-3.58	5.72e-04	-1.27e-04	-3.84e-04
4168	140	9.33	-3.17	-1.81	-1.71e-04	-1.04e-04	-5.40e-04
4168	161	-2.10	-13.49	-3.84	6.28e-04	-1.20e-04	-4.32e-04
4168	172	8.90	-3.08	-1.79	-1.61e-04	-1.05e-04	-5.31e-04
4168	193	-2.12	-13.44	-3.82	6.22e-04	-1.20e-04	-4.33e-04
4168	204	10.18	-3.52	-1.83	-2.06e-04	-9.26e-05	-6.17e-04
4168	225	-2.49	-15.68	-4.22	7.04e-04	-1.09e-04	-5.13e-04
4169	4	0.45	1.71	-3.02	1.44e-03	-3.81e-06	4.84e-04
4169	19	0.14	3.62	-1.12	2.26e-03	-6.41e-06	8.15e-04
4169	28	0.45	-2.21	-3.35	-5.26e-04	1.96e-06	-2.53e-04
4169	68	0.31	1.12	-2.16	9.66e-04	-2.54e-06	3.22e-04
4169	72	0.15	2.32	-1.28	1.52e-03	-4.27e-06	5.41e-04
4169	80	0.31	-1.50	-2.38	-3.46e-04	1.31e-06	-1.69e-04
4169	98	0.24	-0.36	-1.97	6.71e-05	0.0	-6.11e-06
4169	105	0.23	-0.70	-1.93	-7.77e-05	0.0	-6.03e-05
4169	107	0.23	-0.34	-1.89	6.44e-05	0.0	-6.04e-06
4169	108	8.24	-0.66	-1.87	1.81e-05	0.0	-4.96e-04
4169	129	-1.80	-10.89	-3.71	-3.10e-05	5.17e-06	-5.06e-04
4169	140	9.24	-0.71	-1.86	1.24e-05	0.0	-5.58e-04
4169	161	-2.06	-12.22	-3.94	-4.30e-05	5.82e-06	-5.70e-04
4169	172	8.82	-0.67	-1.85	1.47e-05	0.0	-5.46e-04
4169	193	-2.08	-12.13	-3.92	-4.30e-05	5.76e-06	-5.72e-04
4169	204	10.07	-0.73	-1.84	7.02e-06	0.0	-6.33e-04
4169	225	-2.45	-14.12	-4.26	-6.14e-05	6.70e-06	-6.77e-04
4170	28	0.03	-0.50	-3.41	8.62e-04	-5.72e-05	-1.79e-05
4170	44	0.03	-0.82	-3.18	8.28e-04	-3.25e-05	-1.88e-05

4170	80	0.02	-0.33	-2.42	6.13e-04	-3.16e-05	-1.25e-05
4170	88	0.02	-0.54	-2.27	5.91e-04	-1.51e-05	-1.31e-05
4170	98	0.01	-6.90e-03	-1.99	4.92e-04	-1.18e-05	-8.51e-06
4170	105	0.01	-0.11	-1.95	4.89e-04	-6.24e-06	-9.00e-06
4170	107	0.01	-6.49e-03	-1.91	4.75e-04	-6.52e-06	-8.16e-06
4170	113	2.62	-3.06	-3.07	8.42e-04	-1.86e-04	-2.99e-04
4170	129	-0.66	-4.99	-3.56	1.20e-03	4.66e-05	-2.28e-04
4170	133	1.88	-4.65	-3.79	1.15e-03	-1.32e-04	1.83e-05
4170	145	2.95	-3.45	-3.22	8.88e-04	-2.08e-04	-3.36e-04
4170	161	-0.75	-5.62	-3.77	1.29e-03	5.35e-05	-2.56e-04
4170	165	2.11	-5.23	-4.02	1.23e-03	-1.48e-04	2.21e-05
4170	177	2.78	-3.41	-3.21	8.81e-04	-1.94e-04	-3.34e-04
4170	193	-0.76	-5.59	-3.76	1.28e-03	5.44e-05	-2.60e-04
4170	197	2.02	-5.13	-3.99	1.22e-03	-1.40e-04	2.48e-05
4170	209	3.17	-3.98	-3.43	9.48e-04	-2.18e-04	-3.90e-04
4170	225	-0.89	-6.54	-4.07	1.42e-03	6.47e-05	-3.09e-04
4170	229	2.31	-5.95	-4.32	1.33e-03	-1.59e-04	3.31e-05
4171	19	-1.58e-04	1.48	-1.10	-1.27e-03	6.12e-06	6.50e-04
4171	28	3.41e-03	-0.77	-3.41	5.20e-04	-1.81e-06	-2.01e-04
4171	42	0.01	-1.22	-2.38	7.73e-04	-3.04e-06	-3.28e-04
4171	72	2.94e-04	0.98	-1.27	-8.33e-04	4.09e-06	4.32e-04
4171	80	2.65e-03	-0.51	-2.42	3.50e-04	-1.20e-06	-1.35e-04
4171	86	7.53e-03	-0.81	-1.73	5.18e-04	-2.03e-06	-2.19e-04
4171	98	-1.30e-04	-0.03	-1.99	5.18e-05	0.0	-4.92e-06
4171	104	2.82e-03	-0.18	-1.49	1.31e-04	0.0	-4.67e-05
4171	105	1.29e-03	-0.19	-1.95	1.45e-04	0.0	-4.77e-05
4171	106	1.65e-03	-0.02	-1.46	3.53e-05	0.0	-3.73e-06
4171	107	1.24e-04	-0.03	-1.91	4.94e-05	0.0	-4.75e-06
4171	113	2.79	-3.41	-3.07	6.62e-04	2.59e-06	-3.31e-04
4171	129	-0.72	-5.61	-3.56	1.19e-03	-6.34e-06	-2.76e-04
4171	133	1.99	-5.23	-3.79	1.11e-03	-2.23e-06	2.35e-05
4171	145	3.14	-3.84	-3.22	7.39e-04	2.91e-06	-3.72e-04
4171	161	-0.81	-6.31	-3.77	1.33e-03	-7.13e-06	-3.11e-04
4171	165	2.23	-5.88	-4.02	1.25e-03	-2.50e-06	2.74e-05
4171	177	2.97	-3.79	-3.21	7.31e-04	2.83e-06	-3.67e-04
4171	193	-0.82	-6.28	-3.76	1.32e-03	-7.03e-06	-3.13e-04
4171	197	2.13	-5.77	-3.99	1.22e-03	-2.38e-06	2.85e-05
4171	209	3.39	-4.42	-3.43	8.45e-04	3.28e-06	-4.27e-04
4171	225	-0.96	-7.35	-4.07	1.54e-03	-8.23e-06	-3.72e-04
4171	229	2.45	-6.69	-4.32	1.41e-03	-2.74e-06	3.64e-05
4172	28	0.03	-0.50	-3.36	8.40e-04	-9.60e-05	-9.08e-06
4172	44	0.03	-0.82	-3.15	8.08e-04	-6.89e-05	-6.04e-06
4172	80	0.02	-0.34	-2.39	5.97e-04	-6.02e-05	-6.51e-06
4172	88	0.02	-0.55	-2.25	5.76e-04	-4.21e-05	-4.48e-06
4172	98	0.02	-0.01	-1.98	4.78e-04	-3.82e-05	-6.92e-06
4172	105	0.02	-0.12	-1.94	4.76e-04	-3.21e-05	-6.06e-06
4172	107	0.02	-0.01	-1.90	4.61e-04	-3.24e-05	-6.62e-06
4172	113	2.63	-3.26	-2.97	8.48e-04	-3.20e-04	-2.94e-04
4172	129	-0.66	-5.07	-3.64	1.19e-03	5.21e-05	-2.24e-04
4172	133	1.89	-4.70	-3.68	1.14e-03	-2.36e-04	2.25e-05
4172	145	2.95	-3.67	-3.11	8.96e-04	-3.56e-04	-3.30e-04
4172	161	-0.75	-5.70	-3.85	1.28e-03	6.31e-05	-2.52e-04
4172	165	2.12	-5.28	-3.90	1.22e-03	-2.61e-04	2.67e-05
4172	177	2.79	-3.63	-3.10	8.89e-04	-3.34e-04	-3.28e-04
4172	193	-0.76	-5.68	-3.84	1.28e-03	6.49e-05	-2.56e-04
4172	201	1.80	-5.22	-3.87	1.21e-03	-2.28e-04	2.23e-05
4172	209	3.18	-4.23	-3.30	9.60e-04	-3.74e-04	-3.83e-04
4172	225	-0.89	-6.66	-4.17	1.41e-03	8.16e-05	-3.04e-04
4172	233	2.06	-6.08	-4.20	1.34e-03	-2.56e-04	2.62e-05
4173	19	-1.84e-03	1.85	-1.12	-1.97e-03	0.0	5.84e-04
4173	28	8.77e-04	-0.89	-3.36	7.24e-04	0.0	-1.81e-04
4173	45	0.01	-1.39	-1.68	1.10e-03	0.0	-2.92e-04
4173	72	-1.25e-03	1.22	-1.28	-1.30e-03	0.0	3.88e-04
4173	80	8.52e-04	-0.59	-2.39	4.86e-04	0.0	-1.21e-04
4173	85	6.73e-03	-0.94	-1.66	7.46e-04	0.0	-1.96e-04
4173	98	-1.81e-03	-0.04	-1.98	4.88e-05	0.0	-4.70e-06
4173	102	1.64e-04	0.23	-1.43	-2.33e-04	0.0	7.48e-05
4173	103	-1.83e-03	0.21	-1.87	-2.20e-04	0.0	7.38e-05
4173	107	-1.48e-03	-0.04	-1.90	4.66e-05	0.0	-4.53e-06
4173	114	-2.79	3.56	-0.83	-6.16e-04	0.0	3.14e-04
4173	129	-0.72	-5.73	-3.63	1.28e-03	0.0	-2.61e-04
4173	133	1.99	-5.29	-3.68	1.14e-03	0.0	2.61e-05
4173	146	-3.14	4.01	-0.70	-7.00e-04	0.0	3.54e-04
4173	161	-0.81	-6.45	-3.85	1.43e-03	0.0	-2.94e-04
4173	165	2.23	-5.95	-3.90	1.28e-03	0.0	3.04e-05

4173	178	-2.97	3.96	-0.71	-6.87e-04	0.0	3.49e-04
4173	193	-0.82	-6.42	-3.84	1.42e-03	0.0	-2.97e-04
4173	201	1.90	-5.88	-3.87	1.26e-03	0.0	2.39e-05
4173	210	-3.40	4.63	-0.50	-8.08e-04	0.0	4.08e-04
4173	225	-0.96	-7.52	-4.17	1.65e-03	0.0	-3.52e-04
4173	233	2.17	-6.84	-4.20	1.46e-03	0.0	2.70e-05
4174	4	0.56	0.42	-3.57	9.09e-05	0.0	0.0
4174	28	0.55	-1.36	-3.73	1.83e-04	0.0	-6.96e-06
4174	44	0.50	-1.90	-3.37	2.01e-04	0.0	-8.25e-06
4174	68	0.40	0.27	-2.51	6.65e-05	0.0	0.0
4174	80	0.40	-0.92	-2.62	1.28e-04	0.0	-4.58e-06
4174	88	0.36	-1.28	-2.38	1.40e-04	0.0	-5.44e-06
4174	98	0.36	-0.27	-2.11	8.05e-05	0.0	-2.14e-06
4174	105	0.34	-0.46	-2.04	8.77e-05	0.0	-2.77e-06
4174	107	0.35	-0.26	-2.02	7.78e-05	0.0	-1.72e-06
4174	112	10.51	0.51	-2.54	3.95e-05	0.0	-6.06e-04
4174	129	6.00	-9.50	-2.74	4.12e-04	0.0	7.75e-05
4174	133	-0.22	-8.90	-3.05	3.91e-04	0.0	1.78e-04
4174	144	11.81	0.60	-2.60	3.47e-05	0.0	-6.82e-04
4174	161	6.74	-10.66	-2.83	4.53e-04	0.0	8.65e-05
4174	165	-0.29	-9.98	-3.18	4.30e-04	0.0	2.01e-04
4174	176	11.83	0.58	-2.61	3.43e-05	0.0	-6.74e-04
4174	193	6.84	-10.55	-2.83	4.49e-04	0.0	7.40e-05
4174	197	-0.31	-9.80	-3.16	4.23e-04	0.0	2.05e-04
4174	208	13.85	0.71	-2.71	2.69e-05	0.0	-7.88e-04
4174	225	8.08	-12.26	-2.98	5.10e-04	0.0	7.85e-05
4174	229	-0.44	-11.33	-3.35	4.78e-04	0.0	2.44e-04
4175	4	0.57	0.42	-3.56	7.30e-05	0.0	-1.40e-05
4175	28	0.56	-1.37	-3.73	1.65e-04	0.0	-2.06e-05
4175	44	0.50	-1.90	-3.36	1.82e-04	0.0	-2.12e-05
4175	68	0.41	0.26	-2.50	5.36e-05	0.0	-1.01e-05
4175	80	0.40	-0.93	-2.62	1.15e-04	0.0	-1.45e-05
4175	88	0.36	-1.29	-2.37	1.27e-04	0.0	-1.49e-05
4175	98	0.36	-0.28	-2.09	7.06e-05	0.0	-1.02e-05
4175	105	0.35	-0.46	-2.01	7.77e-05	0.0	-1.06e-05
4175	107	0.35	-0.26	-2.00	6.79e-05	0.0	-9.79e-06
4175	112	10.52	0.30	-2.36	-9.91e-05	0.0	-6.17e-04
4175	129	6.01	-9.50	-2.72	4.73e-04	0.0	8.83e-05
4175	133	-0.21	-8.86	-2.94	3.99e-04	0.0	1.90e-04
4175	144	11.82	0.37	-2.41	-1.20e-04	0.0	-6.94e-04
4175	161	6.74	-10.66	-2.81	5.24e-04	0.0	9.96e-05
4175	165	-0.29	-9.93	-3.06	4.41e-04	0.0	2.15e-04
4175	176	11.84	0.36	-2.42	-1.14e-04	0.0	-6.86e-04
4175	193	6.85	-10.56	-2.81	5.17e-04	0.0	8.61e-05
4175	197	-0.31	-9.75	-3.05	4.34e-04	0.0	2.19e-04
4175	208	13.87	0.44	-2.49	-1.42e-04	0.0	-8.01e-04
4175	225	8.08	-12.27	-2.95	5.92e-04	0.0	9.33e-05
4175	229	-0.43	-11.27	-3.22	4.93e-04	0.0	2.62e-04
4176	28	0.38	-1.20	-3.51	0.0	1.31e-04	5.40e-06
4176	44	0.33	-1.69	-3.12	0.0	1.22e-04	5.86e-06
4176	52	0.38	-0.39	-3.43	0.0	1.33e-04	6.10e-06
4176	80	0.27	-0.81	-2.45	0.0	9.73e-05	5.01e-06
4176	88	0.24	-1.14	-2.19	0.0	9.12e-05	5.32e-06
4176	92	0.27	-0.27	-2.39	0.0	9.82e-05	5.48e-06
4176	98	0.23	-0.23	-1.95	0.0	9.26e-05	7.41e-06
4176	105	0.22	-0.40	-1.87	0.0	9.04e-05	7.46e-06
4176	107	0.22	-0.22	-1.86	0.0	9.07e-05	7.61e-06
4176	112	9.46	0.05	-2.07	0.0	8.32e-04	-5.62e-04
4176	129	5.35	-8.68	-2.58	0.0	-1.32e-05	-3.60e-04
4176	133	-0.29	-8.08	-2.70	0.0	4.80e-05	5.64e-05
4176	144	10.64	0.08	-2.09	0.0	9.26e-04	-6.34e-04
4176	161	6.02	-9.74	-2.67	0.0	-2.57e-05	-4.07e-04
4176	165	-0.36	-9.06	-2.81	0.0	4.26e-05	6.32e-05
4176	176	10.66	0.07	-2.10	0.0	9.20e-04	-6.25e-04
4176	193	6.12	-9.65	-2.67	0.0	-2.01e-05	-4.11e-04
4176	197	-0.38	-8.90	-2.79	0.0	4.25e-05	6.56e-05
4176	208	12.51	0.10	-2.15	0.0	1.06e-03	-7.33e-04
4176	225	7.25	-11.23	-2.81	0.0	-3.30e-05	-4.91e-04
4176	229	-0.49	-10.29	-2.95	0.0	3.41e-05	7.91e-05
4177	28	0.44	-1.23	-3.55	0.0	1.20e-04	1.35e-05
4177	44	0.40	-1.74	-3.17	0.0	1.11e-04	1.43e-05
4177	52	0.45	-0.39	-3.47	0.0	1.22e-04	1.55e-05
4177	80	0.32	-0.84	-2.48	0.0	8.87e-05	1.22e-05
4177	88	0.29	-1.18	-2.23	0.0	8.28e-05	1.27e-05
4177	92	0.32	-0.28	-2.42	0.0	8.98e-05	1.35e-05

4177	98	0.28	-0.23	-1.98	0.0	8.41e-05	1.73e-05
4177	105	0.27	-0.41	-1.90	0.0	8.20e-05	1.73e-05
4177	107	0.27	-0.22	-1.88	0.0	8.24e-05	1.77e-05
4177	112	9.89	0.09	-2.10	0.0	7.42e-04	-5.44e-04
4177	129	5.62	-8.93	-2.60	0.0	-8.10e-06	-3.54e-04
4177	133	-0.26	-8.30	-2.73	0.0	4.47e-05	7.23e-05
4177	144	11.11	0.13	-2.12	0.0	8.25e-04	-6.15e-04
4177	161	6.31	-10.03	-2.69	0.0	-1.89e-05	-4.02e-04
4177	165	-0.33	-9.30	-2.84	0.0	3.99e-05	7.96e-05
4177	176	11.13	0.11	-2.13	0.0	8.19e-04	-6.02e-04
4177	193	6.41	-9.93	-2.69	0.0	-1.39e-05	-4.03e-04
4177	197	-0.35	-9.14	-2.82	0.0	3.97e-05	8.16e-05
4177	208	13.05	0.15	-2.18	0.0	9.46e-04	-7.04e-04
4177	225	7.58	-11.56	-2.83	0.0	-2.50e-05	-4.82e-04
4177	229	-0.47	-10.57	-2.97	0.0	3.22e-05	9.58e-05
4178	28	0.50	-1.30	-3.60	0.0	1.04e-04	2.13e-05
4178	44	0.45	-1.83	-3.22	0.0	9.40e-05	2.24e-05
4178	52	0.51	-0.43	-3.51	0.0	1.06e-04	2.47e-05
4178	80	0.36	-0.89	-2.51	0.0	7.58e-05	1.93e-05
4178	88	0.33	-1.24	-2.26	0.0	6.90e-05	2.00e-05
4178	92	0.37	-0.31	-2.46	0.0	7.70e-05	2.15e-05
4178	98	0.32	-0.26	-2.00	0.0	6.95e-05	2.73e-05
4178	105	0.31	-0.44	-1.92	0.0	6.71e-05	2.73e-05
4178	107	0.31	-0.24	-1.90	0.0	6.75e-05	2.81e-05
4178	112	10.25	0.09	-2.13	0.0	5.81e-04	-5.32e-04
4178	129	5.84	-9.22	-2.63	0.0	0.0	-3.52e-04
4178	133	-0.24	-8.55	-2.76	0.0	3.84e-05	8.75e-05
4178	144	11.51	0.13	-2.16	0.0	6.46e-04	-6.02e-04
4178	161	6.55	-10.34	-2.72	0.0	-8.55e-06	-4.00e-04
4178	165	-0.31	-9.59	-2.87	0.0	3.47e-05	9.54e-05
4178	176	11.53	0.12	-2.17	0.0	6.42e-04	-5.85e-04
4178	193	6.66	-10.25	-2.72	0.0	-4.60e-06	-3.98e-04
4178	197	-0.33	-9.42	-2.86	0.0	3.45e-05	9.68e-05
4178	208	13.51	0.16	-2.22	0.0	7.40e-04	-6.83e-04
4178	225	7.87	-11.92	-2.86	0.0	-1.28e-05	-4.77e-04
4178	229	-0.45	-10.89	-3.01	0.0	2.87e-05	1.12e-04
4179	4	0.57	0.41	-3.48	0.0	7.14e-05	5.31e-05
4179	28	0.56	-1.38	-3.65	0.0	7.18e-05	4.09e-05
4179	44	0.51	-1.92	-3.28	0.0	5.98e-05	4.26e-05
4179	68	0.41	0.25	-2.44	0.0	4.85e-05	4.44e-05
4179	80	0.41	-0.94	-2.55	0.0	4.87e-05	3.62e-05
4179	88	0.37	-1.30	-2.30	0.0	4.08e-05	3.73e-05
4179	98	0.36	-0.29	-2.03	0.0	3.70e-05	4.95e-05
4179	105	0.35	-0.47	-1.95	0.0	3.44e-05	4.94e-05
4179	107	0.35	-0.27	-1.93	0.0	3.44e-05	5.08e-05
4179	112	10.53	0.10	-2.18	0.0	2.80e-04	4.79e-04
4179	129	6.01	-9.50	-2.66	0.0	1.67e-04	-3.37e-04
4179	133	-0.21	-8.81	-2.81	0.0	1.83e-05	4.11e-04
4179	144	11.82	0.14	-2.21	0.0	3.11e-04	5.32e-04
4179	161	6.75	-10.66	-2.75	0.0	1.84e-04	-3.86e-04
4179	165	-0.29	-9.87	-2.92	0.0	1.63e-05	4.56e-04
4179	176	11.84	0.13	-2.22	0.0	3.09e-04	5.12e-04
4179	193	6.85	-10.56	-2.75	0.0	1.84e-04	-3.80e-04
4179	197	-0.31	-9.70	-2.90	0.0	1.61e-05	4.44e-04
4179	208	13.87	0.17	-2.27	0.0	3.57e-04	5.82e-04
4179	225	8.09	-12.28	-2.89	0.0	2.12e-04	-4.57e-04
4179	229	-0.43	-11.21	-3.06	0.0	1.30e-05	5.09e-04
4180	28	0.57	-1.45	-3.73	1.87e-04	0.0	8.69e-06
4180	44	0.51	-1.99	-3.37	2.04e-04	0.0	7.38e-06
4180	52	0.57	-0.53	-3.65	1.42e-04	0.0	1.29e-05
4180	80	0.41	-0.99	-2.62	1.31e-04	0.0	6.61e-06
4180	88	0.36	-1.35	-2.38	1.42e-04	0.0	5.73e-06
4180	92	0.41	-0.37	-2.57	1.01e-04	0.0	9.42e-06
4180	98	0.35	-0.31	-2.11	8.25e-05	0.0	6.22e-06
4180	105	0.34	-0.50	-2.04	8.97e-05	0.0	5.62e-06
4180	107	0.34	-0.30	-2.02	7.98e-05	0.0	6.55e-06
4180	112	10.49	0.49	-2.54	4.25e-05	0.0	-5.96e-04
4180	129	5.98	-9.70	-2.74	4.12e-04	0.0	5.10e-05
4180	133	-0.23	-9.09	-3.05	3.93e-04	0.0	1.40e-04
4180	144	11.78	0.58	-2.60	3.79e-05	0.0	-6.72e-04
4180	161	6.71	-10.88	-2.83	4.53e-04	0.0	5.60e-05
4180	165	-0.30	-10.19	-3.18	4.32e-04	0.0	1.58e-04
4180	176	11.80	0.57	-2.61	3.76e-05	0.0	-6.63e-04
4180	193	6.81	-10.77	-2.83	4.49e-04	0.0	4.64e-05
4180	197	-0.32	-10.01	-3.17	4.25e-04	0.0	1.62e-04

4180	208	13.82	0.70	-2.71	3.07e-05	0.0	-7.76e-04
4180	225	8.05	-12.51	-2.98	5.10e-04	0.0	4.68e-05
4180	229	-0.44	-11.57	-3.35	4.80e-04	0.0	1.93e-04
4181	28	0.57	-1.45	-3.74	1.71e-04	0.0	2.76e-06
4181	44	0.51	-1.99	-3.36	1.88e-04	0.0	1.21e-06
4181	52	0.57	-0.53	-3.65	1.27e-04	0.0	7.34e-06
4181	80	0.41	-0.98	-2.62	1.19e-04	0.0	2.35e-06
4181	88	0.36	-1.35	-2.37	1.31e-04	0.0	1.32e-06
4181	92	0.41	-0.37	-2.56	8.99e-05	0.0	5.40e-06
4181	98	0.35	-0.31	-2.09	7.40e-05	0.0	3.17e-06
4181	105	0.34	-0.50	-2.02	8.11e-05	0.0	2.49e-06
4181	107	0.34	-0.30	-2.00	7.13e-05	0.0	3.50e-06
4181	112	10.49	0.30	-2.36	-9.53e-05	0.0	-6.03e-04
4181	129	5.98	-9.74	-2.72	4.73e-04	0.0	5.43e-05
4181	133	-0.23	-9.07	-2.94	4.01e-04	0.0	1.46e-04
4181	144	11.78	0.37	-2.41	-1.16e-04	0.0	-6.79e-04
4181	161	6.71	-10.92	-2.81	5.23e-04	0.0	6.00e-05
4181	165	-0.30	-10.16	-3.06	4.42e-04	0.0	1.65e-04
4181	176	11.80	0.35	-2.41	-1.10e-04	0.0	-6.71e-04
4181	193	6.81	-10.81	-2.81	5.17e-04	0.0	4.96e-05
4181	197	-0.32	-9.98	-3.04	4.36e-04	0.0	1.69e-04
4181	208	13.83	0.45	-2.49	-1.38e-04	0.0	-7.85e-04
4181	225	8.05	-12.57	-2.96	5.91e-04	0.0	5.06e-05
4181	229	-0.44	-11.54	-3.22	4.95e-04	0.0	2.01e-04
4182	28	0.60	-1.55	-3.73	1.96e-04	0.0	3.71e-05
4182	44	0.53	-2.10	-3.37	2.13e-04	0.0	3.65e-05
4182	52	0.60	-0.61	-3.65	1.52e-04	0.0	3.97e-05
4182	80	0.43	-1.05	-2.62	1.37e-04	0.0	2.69e-05
4182	88	0.38	-1.42	-2.38	1.49e-04	0.0	2.65e-05
4182	92	0.43	-0.43	-2.57	1.08e-04	0.0	2.86e-05
4182	98	0.36	-0.36	-2.11	8.79e-05	0.0	2.09e-05
4182	105	0.35	-0.55	-2.04	9.50e-05	0.0	2.06e-05
4182	107	0.35	-0.34	-2.02	8.52e-05	0.0	2.12e-05
4182	112	10.60	0.47	-2.54	5.01e-05	0.0	-5.77e-04
4182	129	6.04	-9.91	-2.74	4.12e-04	0.0	-3.45e-04
4182	133	-0.22	-9.29	-3.05	3.97e-04	0.0	1.12e-04
4182	144	11.90	0.56	-2.61	4.58e-05	0.0	-6.53e-04
4182	161	6.78	-11.11	-2.83	4.53e-04	0.0	-3.91e-04
4182	165	-0.30	-10.40	-3.18	4.35e-04	0.0	1.25e-04
4182	176	11.92	0.55	-2.61	4.60e-05	0.0	-6.42e-04
4182	193	6.88	-11.00	-2.83	4.49e-04	0.0	-3.89e-04
4182	197	-0.32	-10.22	-3.17	4.29e-04	0.0	1.29e-04
4182	208	13.97	0.68	-2.72	3.98e-05	0.0	-7.53e-04
4182	225	8.13	-12.77	-2.98	5.10e-04	0.0	-4.66e-04
4182	229	-0.45	-11.81	-3.35	4.84e-04	0.0	1.51e-04
4183	28	0.60	-1.53	-3.74	2.02e-04	0.0	8.27e-05
4183	44	0.53	-2.09	-3.37	2.18e-04	0.0	8.13e-05
4183	52	0.60	-0.59	-3.66	1.59e-04	0.0	8.61e-05
4183	80	0.42	-1.04	-2.62	1.42e-04	0.0	5.98e-05
4183	88	0.38	-1.41	-2.37	1.53e-04	0.0	5.89e-05
4183	92	0.43	-0.42	-2.57	1.13e-04	0.0	6.21e-05
4183	98	0.36	-0.35	-2.09	9.21e-05	0.0	4.67e-05
4183	105	0.35	-0.54	-2.02	9.89e-05	0.0	4.61e-05
4183	107	0.35	-0.33	-2.00	8.94e-05	0.0	4.69e-05
4183	112	10.60	0.28	-2.36	5.00e-05	0.0	-5.41e-04
4183	129	6.04	-9.97	-2.72	4.81e-04	0.0	-3.14e-04
4183	133	-0.23	-9.29	-2.94	4.53e-04	0.0	1.43e-04
4183	144	11.90	0.36	-2.40	4.52e-05	0.0	-6.15e-04
4183	161	6.78	-11.18	-2.81	5.30e-04	0.0	-3.60e-04
4183	165	-0.30	-10.40	-3.06	4.98e-04	0.0	1.56e-04
4183	176	11.92	0.34	-2.41	4.48e-05	0.0	-6.03e-04
4183	193	6.88	-11.07	-2.81	5.24e-04	0.0	-3.56e-04
4183	197	-0.32	-10.22	-3.04	4.90e-04	0.0	1.60e-04
4183	208	13.97	0.44	-2.48	3.73e-05	0.0	-7.10e-04
4183	225	8.13	-12.86	-2.96	5.96e-04	0.0	-4.31e-04
4183	229	-0.45	-11.80	-3.21	5.54e-04	0.0	1.83e-04
4184	28	0.65	-1.65	-3.73	2.02e-04	0.0	-1.04e-05
4184	44	0.57	-2.21	-3.37	2.19e-04	0.0	-9.20e-06
4184	52	0.65	-0.69	-3.65	1.58e-04	0.0	-1.07e-05
4184	80	0.46	-1.12	-2.62	1.42e-04	0.0	-7.57e-06
4184	88	0.41	-1.50	-2.38	1.53e-04	0.0	-6.75e-06
4184	92	0.46	-0.48	-2.57	1.13e-04	0.0	-7.74e-06
4184	98	0.38	-0.40	-2.11	9.15e-05	0.0	-7.06e-06
4184	105	0.36	-0.60	-2.04	9.85e-05	0.0	-6.77e-06
4184	107	0.37	-0.39	-2.02	8.87e-05	0.0	-6.82e-06

4184	112	10.70	0.44	-2.54	5.48e-05	0.0	-6.25e-04
4184	129	6.10	-10.11	-2.74	4.22e-04	0.0	-4.01e-04
4184	133	-0.21	-9.49	-3.05	4.07e-04	0.0	5.51e-05
4184	144	12.01	0.54	-2.60	5.07e-05	0.0	-7.03e-04
4184	161	6.85	-11.33	-2.83	4.64e-04	0.0	-4.51e-04
4184	165	-0.29	-10.62	-3.18	4.46e-04	0.0	6.35e-05
4184	176	12.03	0.52	-2.61	5.10e-05	0.0	-6.92e-04
4184	193	6.95	-11.22	-2.83	4.59e-04	0.0	-4.53e-04
4184	197	-0.31	-10.44	-3.17	4.40e-04	0.0	6.65e-05
4184	208	14.09	0.66	-2.71	4.52e-05	0.0	-8.07e-04
4184	225	8.21	-13.02	-2.98	5.21e-04	0.0	-5.37e-04
4184	229	-0.44	-12.05	-3.35	4.96e-04	0.0	8.29e-05
4185	28	0.65	-1.65	-3.74	2.22e-04	0.0	0.0
4185	44	0.57	-2.21	-3.37	2.38e-04	0.0	1.56e-06
4185	52	0.65	-0.69	-3.65	1.79e-04	0.0	0.0
4185	80	0.46	-1.13	-2.62	1.56e-04	0.0	0.0
4185	88	0.41	-1.50	-2.37	1.67e-04	0.0	1.02e-06
4185	92	0.46	-0.49	-2.56	1.28e-04	0.0	0.0
4185	98	0.38	-0.41	-2.09	1.03e-04	0.0	0.0
4185	105	0.36	-0.60	-2.02	1.10e-04	0.0	0.0
4185	107	0.37	-0.39	-2.00	1.00e-04	0.0	0.0
4185	112	10.70	0.24	-2.36	6.85e-05	0.0	-6.25e-04
4185	129	6.10	-10.21	-2.72	4.74e-04	0.0	-3.97e-04
4185	133	-0.21	-9.52	-2.94	4.57e-04	0.0	5.96e-05
4185	144	12.01	0.32	-2.40	6.46e-05	0.0	-7.04e-04
4185	161	6.85	-11.44	-2.81	5.21e-04	0.0	-4.48e-04
4185	165	-0.29	-10.66	-3.06	5.01e-04	0.0	6.78e-05
4185	176	12.03	0.30	-2.41	6.52e-05	0.0	-6.94e-04
4185	193	6.95	-11.33	-2.81	5.16e-04	0.0	-4.50e-04
4185	197	-0.31	-10.47	-3.04	4.93e-04	0.0	7.08e-05
4185	208	14.10	0.40	-2.48	6.01e-05	0.0	-8.11e-04
4185	225	8.21	-13.16	-2.96	5.86e-04	0.0	-5.35e-04
4185	229	-0.44	-12.09	-3.21	5.56e-04	0.0	8.70e-05
4186	28	0.57	-1.45	-3.69	0.0	5.51e-05	-1.43e-05
4186	44	0.51	-2.00	-3.32	0.0	4.18e-05	-1.40e-05
4186	52	0.57	-0.53	-3.61	0.0	5.36e-05	-1.17e-05
4186	80	0.41	-0.99	-2.58	0.0	3.40e-05	-8.74e-06
4186	88	0.36	-1.35	-2.33	0.0	2.52e-05	-8.54e-06
4186	92	0.41	-0.37	-2.52	0.0	3.30e-05	-6.97e-06
4186	98	0.35	-0.31	-2.05	0.0	1.75e-05	-1.76e-06
4186	105	0.34	-0.50	-1.97	0.0	1.47e-05	-1.89e-06
4186	107	0.34	-0.30	-1.96	0.0	1.43e-05	-1.30e-06
4186	112	10.49	0.09	-2.21	0.0	1.20e-04	-6.69e-04
4186	129	5.98	-9.77	-2.68	0.0	8.20e-05	-4.17e-04
4186	133	-0.23	-9.05	-2.84	0.0	9.73e-05	4.71e-05
4186	144	11.78	0.14	-2.25	0.0	1.33e-04	-7.53e-04
4186	161	6.71	-10.95	-2.78	0.0	9.07e-05	-4.71e-04
4186	165	-0.30	-10.14	-2.95	0.0	1.08e-04	5.39e-05
4186	176	11.80	0.13	-2.25	0.0	1.33e-04	-7.47e-04
4186	193	6.81	-10.85	-2.77	0.0	9.18e-05	-4.77e-04
4186	197	-0.32	-9.96	-2.93	0.0	1.07e-04	5.73e-05
4186	208	13.82	0.18	-2.31	0.0	1.53e-04	-8.75e-04
4186	225	8.05	-12.61	-2.92	0.0	1.07e-04	-5.70e-04
4186	229	-0.44	-11.51	-3.09	0.0	1.23e-04	7.16e-05
4187	28	0.59	-1.48	-3.74	0.0	7.64e-05	-3.97e-05
4187	44	0.52	-2.03	-3.36	0.0	6.28e-05	-3.95e-05
4187	52	0.60	-0.54	-3.66	0.0	7.48e-05	-3.81e-05
4187	80	0.42	-1.00	-2.62	0.0	4.89e-05	-2.73e-05
4187	88	0.37	-1.37	-2.37	0.0	3.98e-05	-2.71e-05
4187	92	0.42	-0.38	-2.56	0.0	4.78e-05	-2.62e-05
4187	98	0.36	-0.32	-2.08	0.0	2.72e-05	-1.64e-05
4187	105	0.34	-0.51	-2.00	0.0	2.43e-05	-1.65e-05
4187	107	0.35	-0.30	-1.98	0.0	2.39e-05	-1.62e-05
4187	112	10.61	0.13	-2.24	0.0	1.64e-04	-6.54e-04
4187	129	6.05	-10.01	-2.71	0.0	1.15e-04	-4.23e-04
4187	133	-0.23	-9.26	-2.87	0.0	1.32e-04	3.74e-05
4187	144	11.91	0.18	-2.28	0.0	1.81e-04	-7.34e-04
4187	161	6.79	-11.23	-2.80	0.0	1.27e-04	-4.75e-04
4187	165	-0.30	-10.37	-2.98	0.0	1.45e-04	4.48e-05
4187	176	11.93	0.17	-2.28	0.0	1.80e-04	-7.25e-04
4187	193	6.89	-11.12	-2.80	0.0	1.28e-04	-4.79e-04
4187	197	-0.32	-10.18	-2.97	0.0	1.45e-04	4.77e-05
4187	208	13.98	0.23	-2.34	0.0	2.07e-04	-8.45e-04
4187	225	8.14	-12.92	-2.95	0.0	1.48e-04	-5.68e-04
4187	229	-0.45	-11.77	-3.13	0.0	1.65e-04	6.26e-05

4188	28	0.65	-1.66	-3.82	2.89e-04	1.04e-04	-1.44e-05
4188	44	0.57	-2.22	-3.44	3.06e-04	9.26e-05	-1.32e-05
4188	52	0.65	-0.70	-3.73	2.45e-04	1.04e-04	-1.51e-05
4188	80	0.46	-1.13	-2.67	2.05e-04	7.06e-05	-1.07e-05
4188	88	0.41	-1.51	-2.42	2.16e-04	6.27e-05	-9.90e-06
4188	92	0.46	-0.49	-2.62	1.76e-04	7.05e-05	-1.12e-05
4188	98	0.38	-0.41	-2.12	1.40e-04	4.76e-05	-1.04e-05
4188	105	0.37	-0.61	-2.04	1.47e-04	4.50e-05	-1.00e-05
4188	107	0.37	-0.39	-2.02	1.38e-04	4.49e-05	-1.02e-05
4188	112	10.70	0.04	-2.28	1.43e-04	2.29e-04	-6.33e-04
4188	129	6.11	-10.31	-2.75	5.04e-04	1.49e-05	-4.09e-04
4188	133	-0.21	-9.56	-2.91	5.16e-04	3.32e-05	4.84e-05
4188	144	12.02	0.09	-2.32	1.44e-04	2.52e-04	-7.11e-04
4188	161	6.85	-11.55	-2.85	5.50e-04	1.13e-05	-4.60e-04
4188	165	-0.29	-10.70	-3.02	5.63e-04	3.18e-05	5.64e-05
4188	176	12.04	0.08	-2.32	1.46e-04	2.49e-04	-7.01e-04
4188	193	6.95	-11.45	-2.85	5.46e-04	1.27e-05	-4.62e-04
4188	197	-0.31	-10.51	-3.01	5.55e-04	3.19e-05	5.93e-05
4188	208	14.10	0.14	-2.38	1.50e-04	2.84e-04	-8.17e-04
4188	225	8.21	-13.29	-2.99	6.16e-04	8.76e-06	-5.48e-04
4188	229	-0.44	-12.13	-3.17	6.22e-04	2.97e-05	7.51e-05
4189	28	0.57	-1.46	-3.69	1.76e-04	0.0	6.99e-06
4189	44	0.51	-2.00	-3.34	1.96e-04	0.0	5.98e-06
4189	52	0.57	-0.55	-3.61	1.28e-04	0.0	1.08e-05
4189	80	0.41	-0.99	-2.60	1.22e-04	0.0	5.37e-06
4189	88	0.36	-1.36	-2.37	1.36e-04	0.0	4.69e-06
4189	92	0.41	-0.38	-2.56	9.02e-05	0.0	7.93e-06
4189	98	0.35	-0.32	-2.14	7.41e-05	0.0	5.04e-06
4189	105	0.34	-0.51	-2.07	8.21e-05	0.0	4.53e-06
4189	107	0.34	-0.31	-2.05	7.13e-05	0.0	5.39e-06
4189	112	10.48	1.04	-3.01	3.22e-05	0.0	-5.97e-04
4189	113	8.50	-4.03	-3.57	1.58e-04	0.0	-4.39e-04
4189	129	5.98	-9.57	-2.83	2.89e-04	0.0	-3.58e-04
4189	144	11.77	1.21	-3.13	2.74e-05	0.0	-6.73e-04
4189	145	9.53	-4.50	-3.76	1.69e-04	0.0	-4.95e-04
4189	161	6.71	-10.73	-2.93	3.17e-04	0.0	-4.05e-04
4189	176	11.79	1.18	-3.13	2.76e-05	0.0	-6.64e-04
4189	177	9.54	-4.43	-3.74	1.66e-04	0.0	-4.85e-04
4189	193	6.81	-10.61	-2.93	3.14e-04	0.0	-4.02e-04
4189	208	13.82	1.41	-3.32	2.04e-05	0.0	-7.76e-04
4189	209	11.16	-5.10	-4.03	1.82e-04	0.0	-5.65e-04
4189	225	8.04	-12.31	-3.10	3.54e-04	0.0	-4.77e-04
4190	4	0.54	0.40	-3.54	7.87e-05	0.0	2.44e-05
4190	28	0.54	-1.37	-3.69	1.77e-04	0.0	1.50e-05
4190	44	0.48	-1.90	-3.34	1.96e-04	0.0	1.29e-05
4190	68	0.39	0.25	-2.50	5.77e-05	0.0	1.75e-05
4190	80	0.39	-0.93	-2.60	1.23e-04	0.0	1.13e-05
4190	88	0.35	-1.29	-2.37	1.36e-04	0.0	9.90e-06
4190	98	0.34	-0.28	-2.14	7.45e-05	0.0	1.06e-05
4190	105	0.33	-0.47	-2.07	8.24e-05	0.0	9.68e-06
4190	107	0.33	-0.27	-2.05	7.17e-05	0.0	1.09e-05
4190	112	10.44	1.06	-3.01	3.20e-05	0.0	-5.81e-04
4190	113	8.46	-3.95	-3.56	1.60e-04	0.0	-4.27e-04
4190	129	5.96	-9.42	-2.82	2.95e-04	0.0	-3.47e-04
4190	144	11.73	1.22	-3.13	2.71e-05	0.0	-6.56e-04
4190	145	9.49	-4.41	-3.75	1.71e-04	0.0	-4.82e-04
4190	161	6.68	-10.57	-2.92	3.23e-04	0.0	-3.92e-04
4190	176	11.75	1.20	-3.13	2.73e-05	0.0	-6.47e-04
4190	177	9.50	-4.34	-3.74	1.69e-04	0.0	-4.72e-04
4190	193	6.79	-10.45	-2.93	3.20e-04	0.0	-3.90e-04
4190	208	13.76	1.43	-3.32	2.01e-05	0.0	-7.58e-04
4190	209	11.12	-5.00	-4.03	1.85e-04	0.0	-5.51e-04
4190	225	8.02	-12.13	-3.10	3.61e-04	0.0	-4.64e-04
4191	28	0.61	-1.55	-3.69	1.73e-04	0.0	-2.40e-06
4191	44	0.53	-2.10	-3.34	1.93e-04	0.0	-2.17e-06
4191	52	0.61	-0.61	-3.61	1.25e-04	0.0	0.0
4191	80	0.43	-1.05	-2.60	1.21e-04	0.0	-1.58e-06
4191	88	0.38	-1.42	-2.37	1.34e-04	0.0	-1.43e-06
4191	92	0.43	-0.43	-2.56	8.83e-05	0.0	0.0
4191	98	0.36	-0.36	-2.14	7.26e-05	0.0	-1.45e-06
4191	105	0.35	-0.55	-2.07	8.06e-05	0.0	-1.53e-06
4191	107	0.35	-0.34	-2.05	6.98e-05	0.0	-1.14e-06
4191	112	10.59	1.02	-3.01	3.24e-05	0.0	-6.12e-04
4191	113	8.59	-4.11	-3.57	1.50e-04	0.0	-4.65e-04
4191	129	6.04	-9.71	-2.83	2.73e-04	0.0	-3.74e-04

4191	144	11.89	1.19	-3.13	2.78e-05	0.0	-6.89e-04
4191	145	9.63	-4.58	-3.76	1.60e-04	0.0	-5.23e-04
4191	161	6.78	-10.88	-2.93	2.98e-04	0.0	-4.22e-04
4191	176	11.92	1.17	-3.13	2.79e-05	0.0	-6.80e-04
4191	177	9.64	-4.51	-3.75	1.58e-04	0.0	-5.13e-04
4191	193	6.88	-10.76	-2.93	2.96e-04	0.0	-4.21e-04
4191	208	13.96	1.40	-3.32	2.09e-05	0.0	-7.94e-04
4191	209	11.27	-5.18	-4.04	1.72e-04	0.0	-5.96e-04
4191	225	8.13	-12.48	-3.10	3.33e-04	0.0	-5.00e-04
4192	28	0.65	-1.63	-3.69	1.71e-04	0.0	-1.46e-05
4192	44	0.57	-2.20	-3.34	1.91e-04	0.0	-1.32e-05
4192	52	0.65	-0.67	-3.61	1.23e-04	0.0	-1.48e-05
4192	80	0.46	-1.11	-2.60	1.19e-04	0.0	-1.06e-05
4192	88	0.41	-1.49	-2.37	1.32e-04	0.0	-9.59e-06
4192	92	0.46	-0.47	-2.56	8.69e-05	0.0	-1.07e-05
4192	98	0.38	-0.39	-2.14	7.15e-05	0.0	-9.46e-06
4192	105	0.37	-0.59	-2.06	7.95e-05	0.0	-9.12e-06
4192	107	0.37	-0.38	-2.05	6.87e-05	0.0	-9.16e-06
4192	112	10.70	1.01	-3.01	-7.60e-06	0.0	-6.28e-04
4192	113	8.67	-4.18	-3.57	1.05e-04	0.0	-4.93e-04
4192	129	6.10	-9.84	-2.83	2.62e-04	0.0	-4.05e-04
4192	144	12.01	1.18	-3.13	-1.71e-05	0.0	-7.07e-04
4192	145	9.73	-4.66	-3.76	1.09e-04	0.0	-5.54e-04
4192	161	6.85	-11.02	-2.93	2.87e-04	0.0	-4.56e-04
4192	176	12.03	1.15	-3.13	-1.50e-05	0.0	-6.96e-04
4192	177	9.74	-4.58	-3.75	1.09e-04	0.0	-5.43e-04
4192	193	6.95	-10.90	-2.93	2.84e-04	0.0	-4.57e-04
4192	208	14.09	1.39	-3.32	-2.84e-05	0.0	-8.12e-04
4192	209	11.38	-5.26	-4.04	1.16e-04	0.0	-6.31e-04
4192	225	8.21	-12.63	-3.10	3.20e-04	0.0	-5.42e-04
4193	28	0.57	-1.46	-3.71	1.86e-04	0.0	8.43e-06
4193	44	0.51	-2.00	-3.36	2.05e-04	0.0	7.34e-06
4193	52	0.57	-0.54	-3.64	1.40e-04	0.0	1.24e-05
4193	80	0.41	-0.99	-2.62	1.30e-04	0.0	6.40e-06
4193	88	0.36	-1.35	-2.38	1.42e-04	0.0	5.68e-06
4193	92	0.41	-0.38	-2.57	9.92e-05	0.0	9.03e-06
4193	98	0.35	-0.32	-2.13	8.11e-05	0.0	5.90e-06
4193	105	0.34	-0.51	-2.06	8.86e-05	0.0	5.36e-06
4193	107	0.34	-0.30	-2.04	7.83e-05	0.0	6.24e-06
4193	112	10.49	0.76	-2.78	4.31e-05	0.0	-5.95e-04
4193	113	8.50	-4.26	-3.30	1.88e-04	0.0	-4.32e-04
4193	129	5.98	-9.65	-2.77	3.38e-04	0.0	-3.58e-04
4193	144	11.77	0.89	-2.88	3.87e-05	0.0	-6.71e-04
4193	145	9.53	-4.76	-3.46	2.01e-04	0.0	-4.87e-04
4193	161	6.71	-10.82	-2.87	3.70e-04	0.0	-4.04e-04
4193	176	11.80	0.87	-2.88	3.89e-05	0.0	-6.62e-04
4193	177	9.54	-4.68	-3.45	1.99e-04	0.0	-4.76e-04
4193	193	6.81	-10.70	-2.87	3.67e-04	0.0	-4.01e-04
4193	208	13.82	1.06	-3.03	3.25e-05	0.0	-7.74e-04
4193	209	11.16	-5.39	-3.69	2.18e-04	0.0	-5.55e-04
4193	225	8.05	-12.42	-3.03	4.15e-04	0.0	-4.75e-04
4194	4	0.55	0.42	-3.56	9.14e-05	0.0	1.75e-05
4194	28	0.55	-1.36	-3.71	1.86e-04	0.0	8.51e-06
4194	44	0.49	-1.90	-3.36	2.05e-04	0.0	6.64e-06
4194	68	0.40	0.26	-2.51	6.69e-05	0.0	1.26e-05
4194	80	0.39	-0.93	-2.62	1.30e-04	0.0	6.60e-06
4194	88	0.35	-1.28	-2.38	1.42e-04	0.0	5.36e-06
4194	98	0.35	-0.28	-2.13	8.11e-05	0.0	6.84e-06
4194	105	0.34	-0.46	-2.06	8.86e-05	0.0	6.03e-06
4194	107	0.34	-0.26	-2.04	7.84e-05	0.0	7.23e-06
4194	112	10.49	0.79	-2.78	4.32e-05	0.0	-5.90e-04
4194	113	8.50	-4.17	-3.30	1.88e-04	0.0	-4.13e-04
4194	129	5.99	-9.48	-2.77	3.39e-04	0.0	5.69e-05
4194	144	11.78	0.91	-2.88	3.89e-05	0.0	-6.66e-04
4194	145	9.54	-4.66	-3.46	2.02e-04	0.0	-4.66e-04
4194	161	6.72	-10.63	-2.87	3.71e-04	0.0	6.25e-05
4194	176	11.80	0.89	-2.88	3.91e-05	0.0	-6.57e-04
4194	177	9.54	-4.58	-3.45	1.99e-04	0.0	-4.56e-04
4194	193	6.82	-10.52	-2.88	3.68e-04	0.0	5.23e-05
4194	208	13.82	1.07	-3.03	3.28e-05	0.0	-7.69e-04
4194	209	11.16	-5.28	-3.70	2.19e-04	0.0	-5.32e-04
4194	225	8.05	-12.21	-3.03	4.16e-04	0.0	5.32e-05
4195	28	0.60	-1.55	-3.71	1.84e-04	0.0	6.70e-06
4195	44	0.53	-2.10	-3.36	2.03e-04	0.0	6.73e-06
4195	52	0.61	-0.61	-3.64	1.38e-04	0.0	8.68e-06

4195	80	0.43	-1.06	-2.62	1.29e-04	0.0	4.98e-06
4195	88	0.38	-1.42	-2.38	1.41e-04	0.0	5.00e-06
4195	92	0.43	-0.43	-2.57	9.77e-05	0.0	6.30e-06
4195	98	0.36	-0.36	-2.13	8.00e-05	0.0	3.71e-06
4195	105	0.35	-0.55	-2.06	8.75e-05	0.0	3.57e-06
4195	107	0.35	-0.34	-2.04	7.72e-05	0.0	4.01e-06
4195	112	10.60	0.74	-2.78	4.14e-05	0.0	-6.04e-04
4195	113	8.59	-4.35	-3.30	1.84e-04	0.0	-4.56e-04
4195	129	6.04	-9.81	-2.77	3.33e-04	0.0	-3.67e-04
4195	144	11.90	0.88	-2.88	3.70e-05	0.0	-6.81e-04
4195	145	9.63	-4.86	-3.46	1.97e-04	0.0	-5.14e-04
4195	161	6.78	-11.00	-2.87	3.65e-04	0.0	-4.14e-04
4195	176	11.92	0.86	-2.88	3.70e-05	0.0	-6.70e-04
4195	177	9.64	-4.78	-3.45	1.94e-04	0.0	-5.03e-04
4195	193	6.88	-10.88	-2.87	3.62e-04	0.0	-4.13e-04
4195	208	13.96	1.04	-3.03	3.04e-05	0.0	-7.84e-04
4195	209	11.28	-5.50	-3.69	2.13e-04	0.0	-5.86e-04
4195	225	8.13	-12.63	-3.03	4.09e-04	0.0	-4.92e-04
4196	28	0.65	-1.64	-3.71	1.83e-04	0.0	-1.25e-05
4196	44	0.57	-2.20	-3.36	2.01e-04	0.0	-1.11e-05
4196	52	0.65	-0.68	-3.64	1.36e-04	0.0	-1.27e-05
4196	80	0.46	-1.12	-2.62	1.28e-04	0.0	-9.04e-06
4196	88	0.41	-1.49	-2.38	1.40e-04	0.0	-8.10e-06
4196	92	0.46	-0.48	-2.57	9.67e-05	0.0	-9.16e-06
4196	98	0.38	-0.40	-2.13	7.92e-05	0.0	-8.27e-06
4196	105	0.37	-0.59	-2.06	8.67e-05	0.0	-7.94e-06
4196	107	0.37	-0.38	-2.04	7.64e-05	0.0	-7.99e-06
4196	112	10.70	0.72	-2.78	4.05e-05	0.0	-6.28e-04
4196	113	8.67	-4.44	-3.30	1.82e-04	0.0	-4.92e-04
4196	129	6.10	-9.98	-2.77	3.31e-04	0.0	-4.04e-04
4196	144	12.01	0.86	-2.88	3.60e-05	0.0	-7.06e-04
4196	145	9.73	-4.95	-3.46	1.95e-04	0.0	-5.53e-04
4196	161	6.85	-11.18	-2.87	3.62e-04	0.0	-4.55e-04
4196	176	12.03	0.84	-2.88	3.60e-05	0.0	-6.96e-04
4196	177	9.74	-4.87	-3.45	1.92e-04	0.0	-5.43e-04
4196	193	6.95	-11.06	-2.87	3.59e-04	0.0	-4.56e-04
4196	208	14.09	1.03	-3.03	2.94e-05	0.0	-8.12e-04
4196	209	11.38	-5.60	-3.69	2.11e-04	0.0	-6.30e-04
4196	225	8.21	-12.83	-3.03	4.06e-04	0.0	-5.41e-04
4197	28	0.36	-1.20	-1.06	1.71e-04	1.00e-04	-1.73e-05
4197	44	0.31	-1.68	-0.99	1.95e-04	8.45e-05	-1.74e-05
4197	52	0.36	-0.41	-1.00	1.15e-04	9.92e-05	-1.79e-05
4197	80	0.25	-0.82	-0.75	1.19e-04	6.93e-05	-1.34e-05
4197	88	0.22	-1.14	-0.70	1.35e-04	5.87e-05	-1.34e-05
4197	92	0.25	-0.29	-0.70	8.19e-05	6.86e-05	-1.38e-05
4197	98	0.21	-0.24	-0.59	7.02e-05	5.67e-05	-1.34e-05
4197	105	0.20	-0.41	-0.58	7.97e-05	5.33e-05	-1.33e-05
4197	107	0.20	-0.23	-0.56	6.74e-05	5.31e-05	-1.35e-05
4197	112	9.35	-3.81	-0.17	-3.33e-04	5.71e-04	-5.60e-04
4197	129	5.27	-10.48	-1.22	7.36e-04	3.33e-04	-3.49e-04
4197	144	10.52	-4.27	-0.13	-3.83e-04	6.37e-04	-6.30e-04
4197	161	5.93	-11.78	-1.30	8.20e-04	3.69e-04	-3.93e-04
4197	176	10.54	-4.24	-0.15	-3.65e-04	6.33e-04	-6.24e-04
4197	193	6.03	-11.77	-1.29	8.12e-04	3.70e-04	-3.95e-04
4197	208	12.38	-4.94	-0.08	-4.31e-04	7.34e-04	-7.28e-04
4197	225	7.15	-13.78	-1.41	9.38e-04	4.29e-04	-4.68e-04
4198	28	0.36	-1.17	-0.99	1.55e-04	0.0	-1.53e-05
4198	44	0.31	-1.66	-0.93	1.81e-04	0.0	-1.38e-05
4198	52	0.36	-0.38	-0.93	1.00e-04	0.0	-1.57e-05
4198	80	0.25	-0.80	-0.70	1.08e-04	0.0	-1.12e-05
4198	88	0.22	-1.12	-0.66	1.25e-04	0.0	-1.02e-05
4198	92	0.25	-0.27	-0.66	7.15e-05	0.0	-1.14e-05
4198	98	0.21	-0.23	-0.56	6.13e-05	0.0	-1.02e-05
4198	105	0.20	-0.39	-0.55	7.10e-05	0.0	-9.81e-06
4198	107	0.20	-0.22	-0.53	5.88e-05	0.0	-9.89e-06
4198	112	9.35	-3.55	-0.10	-3.45e-04	0.0	-5.54e-04
4198	127	0.64	-7.04	-1.24	7.54e-04	0.0	-4.43e-05
4198	129	5.27	-10.36	-1.07	7.58e-04	0.0	-3.43e-04
4198	144	10.51	-3.97	-0.04	-3.95e-04	0.0	-6.24e-04
4198	159	0.69	-7.89	-1.33	8.41e-04	0.0	-4.90e-05
4198	161	5.92	-11.64	-1.13	8.45e-04	0.0	-3.86e-04
4198	176	10.54	-3.95	-0.07	-3.77e-04	0.0	-6.18e-04
4198	191	0.71	-7.87	-1.32	8.29e-04	0.0	-4.95e-05
4198	193	6.03	-11.62	-1.13	8.36e-04	0.0	-3.88e-04
4198	208	12.37	-4.60	-7.68e-03	-4.44e-04	0.0	-7.22e-04

4198	223	0.81	-9.17	-1.44	9.56e-04	0.0	-5.85e-05
4198	225	7.14	-13.61	-1.24	9.66e-04	0.0	-4.61e-04
4199	28	0.40	-1.25	-1.07	1.40e-04	8.38e-05	0.0
4199	44	0.35	-1.75	-1.00	1.67e-04	7.28e-05	-1.20e-06
4199	52	0.40	-0.43	-1.00	8.60e-05	8.43e-05	0.0
4199	80	0.28	-0.85	-0.75	9.74e-05	5.93e-05	0.0
4199	88	0.24	-1.18	-0.71	1.16e-04	5.19e-05	-1.36e-06
4199	92	0.28	-0.31	-0.71	6.15e-05	5.96e-05	0.0
4199	98	0.23	-0.26	-0.59	5.29e-05	5.11e-05	0.0
4199	105	0.22	-0.43	-0.58	6.30e-05	4.86e-05	-1.25e-06
4199	107	0.22	-0.25	-0.57	5.10e-05	4.87e-05	-1.34e-06
4199	112	9.59	-3.88	-0.19	-3.18e-04	4.78e-04	-5.69e-04
4199	129	5.41	-10.81	-1.22	6.76e-04	-8.80e-06	-3.48e-04
4199	144	10.78	-4.34	-0.14	-3.64e-04	5.33e-04	-6.41e-04
4199	161	6.09	-12.15	-1.30	7.54e-04	-1.57e-05	-3.92e-04
4199	176	10.81	-4.31	-0.16	-3.48e-04	5.29e-04	-6.37e-04
4199	193	6.19	-12.13	-1.29	7.46e-04	-1.24e-05	-3.95e-04
4199	208	12.68	-5.02	-0.10	-4.08e-04	6.12e-04	-7.47e-04
4199	225	7.33	-14.20	-1.41	8.63e-04	-1.94e-05	-4.71e-04
4200	28	0.40	-1.25	-1.01	1.45e-04	0.0	0.0
4200	44	0.35	-1.75	-0.95	1.71e-04	0.0	-1.18e-06
4200	52	0.40	-0.43	-0.95	9.11e-05	0.0	0.0
4200	80	0.28	-0.85	-0.71	1.01e-04	0.0	0.0
4200	88	0.24	-1.18	-0.67	1.19e-04	0.0	-1.11e-06
4200	92	0.28	-0.31	-0.67	6.51e-05	0.0	0.0
4200	98	0.23	-0.26	-0.56	5.60e-05	0.0	0.0
4200	105	0.22	-0.43	-0.56	6.59e-05	0.0	0.0
4200	107	0.22	-0.25	-0.54	5.39e-05	0.0	0.0
4200	112	9.59	-3.63	-0.10	-3.27e-04	0.0	-5.42e-04
4200	127	0.68	-7.34	-1.26	7.11e-04	0.0	3.23e-04
4200	129	5.42	-10.74	-1.08	7.15e-04	0.0	2.90e-05
4200	144	10.79	-4.07	-0.05	-3.75e-04	0.0	-6.11e-04
4200	159	0.74	-8.23	-1.35	7.93e-04	0.0	3.65e-04
4200	161	6.09	-12.07	-1.15	7.97e-04	0.0	3.23e-05
4200	176	10.81	-4.04	-0.08	-3.57e-04	0.0	-6.07e-04
4200	191	0.75	-8.21	-1.33	7.83e-04	0.0	3.60e-04
4200	193	6.19	-12.04	-1.15	7.88e-04	0.0	2.51e-05
4200	208	12.68	-4.70	-0.01	-4.19e-04	0.0	-7.11e-04
4200	223	0.85	-9.56	-1.45	9.02e-04	0.0	4.22e-04
4200	225	7.33	-14.10	-1.25	9.12e-04	0.0	2.44e-05
4201	28	0.44	-1.32	-1.07	1.40e-04	8.31e-05	1.33e-06
4201	44	0.38	-1.83	-1.01	1.67e-04	7.33e-05	0.0
4201	52	0.44	-0.48	-1.01	8.70e-05	8.39e-05	1.45e-06
4201	80	0.31	-0.90	-0.76	9.77e-05	5.92e-05	0.0
4201	88	0.27	-1.24	-0.71	1.16e-04	5.27e-05	0.0
4201	92	0.31	-0.34	-0.71	6.22e-05	5.97e-05	0.0
4201	98	0.26	-0.28	-0.60	5.35e-05	5.14e-05	0.0
4201	105	0.25	-0.46	-0.59	6.34e-05	4.92e-05	0.0
4201	107	0.25	-0.27	-0.57	5.16e-05	4.93e-05	0.0
4201	112	9.83	-3.96	-0.19	-3.15e-04	4.52e-04	-5.84e-04
4201	129	5.56	-11.16	-1.22	6.70e-04	-5.86e-06	-3.57e-04
4201	144	11.05	-4.44	-0.15	-3.61e-04	5.03e-04	-6.58e-04
4201	161	6.25	-12.54	-1.30	7.48e-04	-1.25e-05	-4.04e-04
4201	176	11.07	-4.40	-0.17	-3.44e-04	4.99e-04	-6.54e-04
4201	193	6.35	-12.51	-1.29	7.40e-04	-9.33e-06	-4.06e-04
4201	208	12.99	-5.11	-0.11	-4.04e-04	5.77e-04	-7.68e-04
4201	225	7.52	-14.65	-1.41	8.56e-04	-1.61e-05	-4.84e-04
4202	28	0.44	-1.32	-1.02	1.44e-04	0.0	5.78e-06
4202	44	0.38	-1.83	-0.96	1.70e-04	0.0	3.78e-06
4202	52	0.44	-0.48	-0.96	9.12e-05	0.0	6.17e-06
4202	80	0.31	-0.90	-0.72	1.00e-04	0.0	3.78e-06
4202	88	0.27	-1.24	-0.68	1.18e-04	0.0	2.45e-06
4202	92	0.31	-0.34	-0.68	6.52e-05	0.0	4.04e-06
4202	98	0.26	-0.29	-0.57	5.61e-05	0.0	3.30e-06
4202	105	0.25	-0.46	-0.56	6.58e-05	0.0	2.83e-06
4202	107	0.25	-0.27	-0.55	5.41e-05	0.0	2.92e-06
4202	112	9.83	-3.71	-0.11	-3.06e-04	0.0	-5.46e-04
4202	127	0.72	-7.62	-1.26	6.71e-04	0.0	3.37e-04
4202	129	5.56	-11.10	-1.08	6.75e-04	0.0	3.91e-05
4202	144	11.05	-4.15	-0.05	-3.51e-04	0.0	-6.16e-04
4202	159	0.78	-8.55	-1.35	7.49e-04	0.0	3.79e-04
4202	161	6.25	-12.46	-1.15	7.53e-04	0.0	4.30e-05
4202	176	11.07	-4.12	-0.08	-3.34e-04	0.0	-6.12e-04
4202	191	0.79	-8.52	-1.34	7.39e-04	0.0	3.74e-04
4202	193	6.35	-12.44	-1.15	7.44e-04	0.0	3.49e-05

4202	208	12.99	-4.79	-0.02	-3.93e-04	0.0	-7.18e-04
4202	223	0.90	-9.92	-1.46	8.51e-04	0.0	4.37e-04
4202	225	7.52	-14.55	-1.26	8.60e-04	0.0	3.45e-05
4203	28	0.49	-1.39	-1.08	1.42e-04	8.65e-05	2.10e-06
4203	44	0.42	-1.92	-1.02	1.68e-04	7.73e-05	0.0
4203	52	0.49	-0.52	-1.02	9.03e-05	8.73e-05	2.70e-06
4203	80	0.34	-0.95	-0.76	9.92e-05	6.17e-05	1.17e-06
4203	88	0.30	-1.30	-0.72	1.16e-04	5.56e-05	0.0
4203	92	0.34	-0.37	-0.72	6.45e-05	6.22e-05	1.57e-06
4203	98	0.29	-0.31	-0.60	5.54e-05	5.31e-05	1.59e-06
4203	105	0.27	-0.49	-0.59	6.50e-05	5.10e-05	1.05e-06
4203	107	0.27	-0.30	-0.58	5.34e-05	5.12e-05	1.19e-06
4203	112	10.05	-4.05	-0.20	-3.06e-04	4.34e-04	-5.98e-04
4203	129	5.70	-11.50	-1.23	6.59e-04	-2.56e-06	-3.64e-04
4203	144	11.30	-4.53	-0.15	-3.50e-04	4.82e-04	-6.74e-04
4203	161	6.40	-12.92	-1.31	7.34e-04	-9.00e-06	-4.12e-04
4203	176	11.32	-4.49	-0.17	-3.34e-04	4.79e-04	-6.70e-04
4203	193	6.50	-12.89	-1.30	7.27e-04	-5.97e-06	-4.15e-04
4203	208	13.27	-5.21	-0.12	-3.93e-04	5.52e-04	-7.87e-04
4203	225	7.70	-15.09	-1.42	8.40e-04	-1.26e-05	-4.94e-04
4204	28	0.49	-1.40	-1.02	1.50e-04	0.0	1.15e-05
4204	44	0.42	-1.92	-0.97	1.75e-04	0.0	8.54e-06
4204	52	0.49	-0.53	-0.96	9.83e-05	0.0	1.24e-05
4204	80	0.34	-0.95	-0.72	1.05e-04	0.0	7.88e-06
4204	88	0.30	-1.30	-0.68	1.21e-04	0.0	5.90e-06
4204	92	0.34	-0.37	-0.68	7.03e-05	0.0	8.48e-06
4204	98	0.29	-0.32	-0.57	6.03e-05	0.0	7.12e-06
4204	105	0.27	-0.50	-0.57	6.96e-05	0.0	6.40e-06
4204	107	0.27	-0.30	-0.55	5.82e-05	0.0	6.60e-06
4204	112	10.06	-3.79	-0.11	-2.84e-04	0.0	-5.55e-04
4204	127	0.76	-7.89	-1.27	6.38e-04	0.0	3.46e-04
4204	129	5.70	-11.44	-1.09	6.42e-04	0.0	4.12e-05
4204	144	11.30	-4.24	-0.06	-3.27e-04	0.0	-6.27e-04
4204	159	0.82	-8.85	-1.36	7.11e-04	0.0	3.89e-04
4204	161	6.40	-12.84	-1.16	7.15e-04	0.0	4.50e-05
4204	176	11.32	-4.20	-0.09	-3.11e-04	0.0	-6.22e-04
4204	191	0.84	-8.82	-1.34	7.01e-04	0.0	3.84e-04
4204	193	6.50	-12.81	-1.16	7.08e-04	0.0	3.69e-05
4204	208	13.28	-4.87	-0.02	-3.68e-04	0.0	-7.31e-04
4204	223	0.95	-10.26	-1.47	8.07e-04	0.0	4.49e-04
4204	225	7.70	-14.99	-1.26	8.17e-04	0.0	3.63e-05
4205	28	0.36	-1.17	-0.97	1.54e-04	0.0	-6.18e-06
4205	44	0.31	-1.65	-0.92	1.79e-04	0.0	-4.97e-06
4205	52	0.36	-0.38	-0.91	1.00e-04	0.0	-7.00e-06
4205	80	0.25	-0.79	-0.69	1.07e-04	0.0	-4.51e-06
4205	88	0.22	-1.12	-0.65	1.24e-04	0.0	-3.70e-06
4205	92	0.25	-0.27	-0.65	7.12e-05	0.0	-5.05e-06
4205	98	0.21	-0.23	-0.55	6.11e-05	0.0	-4.45e-06
4205	105	0.20	-0.39	-0.54	7.06e-05	0.0	-4.12e-06
4205	107	0.20	-0.22	-0.53	5.86e-05	0.0	-4.30e-06
4205	112	9.34	-3.30	0.14	-3.60e-04	0.0	-5.38e-04
4205	127	0.63	-7.09	-1.39	7.99e-04	0.0	-3.82e-05
4205	129	5.26	-10.26	-1.09	8.02e-04	0.0	-3.29e-04
4205	144	10.51	-3.70	0.22	-4.12e-04	0.0	-6.05e-04
4205	159	0.69	-7.95	-1.49	8.91e-04	0.0	-4.28e-05
4205	161	5.92	-11.54	-1.16	8.95e-04	0.0	-3.71e-04
4205	176	10.53	-3.67	0.19	-3.93e-04	0.0	-6.00e-04
4205	191	0.71	-7.93	-1.47	8.79e-04	0.0	-4.26e-05
4205	193	6.02	-11.51	-1.16	8.84e-04	0.0	-3.73e-04
4205	208	12.36	-4.28	0.30	-4.61e-04	0.0	-7.02e-04
4205	223	0.81	-9.23	-1.63	1.01e-03	0.0	-5.10e-05
4205	225	7.14	-13.48	-1.26	1.02e-03	0.0	-4.43e-04
4206	28	0.40	-1.25	-0.97	1.52e-04	0.0	1.03e-06
4206	44	0.35	-1.74	-0.92	1.77e-04	0.0	0.0
4206	52	0.40	-0.43	-0.91	9.85e-05	0.0	1.03e-06
4206	80	0.28	-0.85	-0.69	1.06e-04	0.0	0.0
4206	88	0.24	-1.18	-0.66	1.22e-04	0.0	0.0
4206	92	0.28	-0.31	-0.65	7.02e-05	0.0	0.0
4206	98	0.23	-0.26	-0.55	6.03e-05	0.0	0.0
4206	105	0.22	-0.43	-0.55	6.98e-05	0.0	0.0
4206	107	0.22	-0.25	-0.53	5.80e-05	0.0	0.0
4206	112	9.59	-3.39	0.13	-3.34e-04	0.0	-5.31e-04
4206	127	0.68	-7.41	-1.39	7.49e-04	0.0	3.20e-04
4206	129	5.42	-10.67	-1.09	7.52e-04	0.0	3.13e-05
4206	144	10.79	-3.79	0.22	-3.83e-04	0.0	-5.98e-04

4206	159	0.74	-8.32	-1.50	8.35e-04	0.0	3.60e-04
4206	161	6.09	-11.99	-1.16	8.39e-04	0.0	3.48e-05
4206	176	10.81	-3.76	0.19	-3.65e-04	0.0	-5.94e-04
4206	191	0.75	-8.29	-1.48	8.24e-04	0.0	3.55e-04
4206	193	6.19	-11.96	-1.16	8.29e-04	0.0	2.74e-05
4206	208	12.68	-4.38	0.30	-4.28e-04	0.0	-6.96e-04
4206	223	0.85	-9.65	-1.63	9.49e-04	0.0	4.16e-04
4206	225	7.33	-14.00	-1.26	9.58e-04	0.0	2.68e-05
4207	28	0.44	-1.33	-0.98	1.52e-04	0.0	9.40e-06
4207	44	0.38	-1.84	-0.93	1.77e-04	0.0	7.35e-06
4207	52	0.44	-0.48	-0.92	1.00e-04	0.0	9.99e-06
4207	80	0.31	-0.90	-0.69	1.06e-04	0.0	6.46e-06
4207	88	0.27	-1.24	-0.66	1.23e-04	0.0	5.09e-06
4207	92	0.31	-0.34	-0.65	7.14e-05	0.0	6.85e-06
4207	98	0.26	-0.29	-0.56	6.13e-05	0.0	5.59e-06
4207	105	0.25	-0.46	-0.55	7.07e-05	0.0	5.09e-06
4207	107	0.25	-0.28	-0.53	5.91e-05	0.0	5.23e-06
4207	112	9.83	-3.47	0.13	-2.99e-04	0.0	-5.29e-04
4207	127	0.72	-7.71	-1.39	6.84e-04	0.0	3.32e-04
4207	129	5.56	-11.04	-1.10	6.87e-04	0.0	4.38e-05
4207	144	11.05	-3.88	0.21	-3.43e-04	0.0	-5.97e-04
4207	159	0.78	-8.65	-1.50	7.62e-04	0.0	3.74e-04
4207	161	6.25	-12.41	-1.17	7.66e-04	0.0	4.81e-05
4207	176	11.07	-3.85	0.18	-3.27e-04	0.0	-5.92e-04
4207	191	0.79	-8.62	-1.48	7.52e-04	0.0	3.68e-04
4207	193	6.35	-12.37	-1.16	7.57e-04	0.0	3.96e-05
4207	208	12.99	-4.47	0.30	-3.85e-04	0.0	-6.95e-04
4207	223	0.90	-10.03	-1.63	8.66e-04	0.0	4.29e-04
4207	225	7.52	-14.47	-1.27	8.75e-04	0.0	3.95e-05
4208	28	0.49	-1.41	-0.98	1.59e-04	0.0	1.79e-05
4208	44	0.42	-1.93	-0.93	1.83e-04	0.0	1.47e-05
4208	52	0.49	-0.53	-0.92	1.08e-04	0.0	1.89e-05
4208	80	0.34	-0.96	-0.70	1.11e-04	0.0	1.25e-05
4208	88	0.30	-1.31	-0.66	1.27e-04	0.0	1.03e-05
4208	92	0.34	-0.38	-0.66	7.71e-05	0.0	1.31e-05
4208	98	0.29	-0.32	-0.56	6.59e-05	0.0	1.08e-05
4208	105	0.27	-0.50	-0.55	7.50e-05	0.0	1.00e-05
4208	107	0.27	-0.31	-0.54	6.36e-05	0.0	1.02e-05
4208	112	10.06	-3.55	0.13	-2.60e-04	0.0	-5.35e-04
4208	127	0.76	-7.98	-1.40	6.19e-04	0.0	3.42e-04
4208	129	5.70	-11.38	-1.10	6.23e-04	0.0	4.72e-05
4208	144	11.30	-3.96	0.21	-3.00e-04	0.0	-6.04e-04
4208	159	0.82	-8.95	-1.50	6.89e-04	0.0	3.84e-04
4208	161	6.40	-12.78	-1.17	6.93e-04	0.0	5.13e-05
4208	176	11.32	-3.93	0.18	-2.86e-04	0.0	-6.00e-04
4208	191	0.84	-8.92	-1.48	6.79e-04	0.0	3.78e-04
4208	193	6.50	-12.75	-1.17	6.86e-04	0.0	4.29e-05
4208	208	13.28	-4.55	0.29	-3.39e-04	0.0	-7.04e-04
4208	223	0.95	-10.37	-1.63	7.81e-04	0.0	4.40e-04
4208	225	7.70	-14.90	-1.27	7.90e-04	0.0	4.25e-05
4209	28	0.36	-1.17	-0.95	1.57e-04	0.0	0.0
4209	44	0.31	-1.65	-0.90	1.80e-04	0.0	0.0
4209	52	0.36	-0.38	-0.89	1.04e-04	0.0	-1.97e-06
4209	80	0.25	-0.79	-0.67	1.09e-04	0.0	0.0
4209	88	0.22	-1.12	-0.64	1.25e-04	0.0	0.0
4209	92	0.25	-0.27	-0.63	7.41e-05	0.0	-1.46e-06
4209	98	0.21	-0.22	-0.54	6.35e-05	0.0	-1.33e-06
4209	105	0.20	-0.39	-0.54	7.26e-05	0.0	-1.05e-06
4209	107	0.20	-0.22	-0.52	6.09e-05	0.0	-1.30e-06
4209	111	-7.18	2.21	-1.61	5.56e-04	0.0	4.13e-04
4209	112	9.34	-3.06	0.42	-3.74e-04	0.0	-5.30e-04
4209	129	5.26	-10.18	-1.11	8.48e-04	0.0	-3.23e-04
4209	143	-8.12	2.51	-1.74	6.18e-04	0.0	4.65e-04
4209	144	10.51	-3.43	0.54	-4.29e-04	0.0	-5.97e-04
4209	161	5.92	-11.44	-1.18	9.47e-04	0.0	-3.64e-04
4209	175	-8.13	2.45	-1.71	6.00e-04	0.0	4.59e-04
4209	176	10.53	-3.40	0.51	-4.08e-04	0.0	-5.91e-04
4209	193	6.02	-11.41	-1.17	9.35e-04	0.0	-3.65e-04
4209	207	-9.60	2.89	-1.90	6.84e-04	0.0	5.37e-04
4209	208	12.36	-3.96	0.67	-4.79e-04	0.0	-6.92e-04
4209	225	7.14	-13.35	-1.27	1.08e-03	0.0	-4.34e-04
4210	28	0.40	-1.25	-0.95	1.58e-04	0.0	4.64e-06
4210	44	0.35	-1.75	-0.90	1.81e-04	0.0	4.00e-06
4210	52	0.40	-0.43	-0.89	1.05e-04	0.0	4.59e-06
4210	80	0.28	-0.85	-0.68	1.10e-04	0.0	3.17e-06

4210	88	0.24	-1.18	-0.64	1.26e-04	0.0	2.75e-06
4210	92	0.28	-0.31	-0.64	7.50e-05	0.0	3.14e-06
4210	98	0.23	-0.26	-0.54	6.42e-05	0.0	2.52e-06
4210	105	0.22	-0.43	-0.54	7.34e-05	0.0	2.38e-06
4210	107	0.22	-0.25	-0.53	6.17e-05	0.0	2.37e-06
4210	111	-7.34	2.20	-1.61	5.16e-04	0.0	5.16e-04
4210	112	9.59	-3.15	0.42	-3.40e-04	0.0	-5.24e-04
4210	129	5.42	-10.61	-1.11	7.85e-04	0.0	3.35e-05
4210	143	-8.29	2.51	-1.74	5.72e-04	0.0	5.80e-04
4210	144	10.79	-3.52	0.53	-3.90e-04	0.0	-5.91e-04
4210	161	6.09	-11.92	-1.18	8.75e-04	0.0	3.69e-05
4210	175	-8.31	2.44	-1.71	5.56e-04	0.0	5.74e-04
4210	176	10.81	-3.49	0.51	-3.71e-04	0.0	-5.86e-04
4210	193	6.19	-11.88	-1.18	8.64e-04	0.0	2.96e-05
4210	207	-9.81	2.88	-1.90	6.33e-04	0.0	6.71e-04
4210	208	12.68	-4.06	0.67	-4.36e-04	0.0	-6.87e-04
4210	225	7.33	-13.90	-1.28	9.99e-04	0.0	2.90e-05
4211	28	0.44	-1.33	-0.95	1.60e-04	0.0	1.24e-05
4211	44	0.38	-1.84	-0.90	1.84e-04	0.0	1.03e-05
4211	52	0.44	-0.49	-0.89	1.08e-04	0.0	1.31e-05
4211	80	0.31	-0.91	-0.68	1.12e-04	0.0	8.65e-06
4211	88	0.27	-1.25	-0.65	1.27e-04	0.0	7.25e-06
4211	92	0.31	-0.35	-0.64	7.72e-05	0.0	9.08e-06
4211	98	0.26	-0.29	-0.55	6.60e-05	0.0	7.41e-06
4211	105	0.25	-0.47	-0.54	7.51e-05	0.0	6.90e-06
4211	107	0.25	-0.28	-0.53	6.36e-05	0.0	7.04e-06
4211	111	-7.48	2.19	-1.61	4.61e-04	0.0	5.22e-04
4211	112	9.83	-3.23	0.42	-2.92e-04	0.0	-5.23e-04
4211	129	5.56	-10.99	-1.11	6.97e-04	0.0	4.47e-05
4211	143	-8.46	2.51	-1.74	5.10e-04	0.0	5.87e-04
4211	144	11.05	-3.61	0.53	-3.36e-04	0.0	-5.90e-04
4211	161	6.25	-12.35	-1.18	7.77e-04	0.0	4.89e-05
4211	175	-8.47	2.43	-1.71	4.96e-04	0.0	5.80e-04
4211	176	11.07	-3.58	0.50	-3.20e-04	0.0	-5.85e-04
4211	193	6.35	-12.31	-1.18	7.68e-04	0.0	4.05e-05
4211	207	-10.00	2.88	-1.90	5.63e-04	0.0	6.77e-04
4211	208	12.99	-4.15	0.67	-3.78e-04	0.0	-6.87e-04
4211	225	7.52	-14.39	-1.28	8.86e-04	0.0	4.04e-05
4212	28	0.49	-1.42	-0.95	1.66e-04	0.0	2.03e-05
4212	44	0.42	-1.94	-0.90	1.89e-04	0.0	1.71e-05
4212	52	0.49	-0.55	-0.89	1.14e-04	0.0	2.11e-05
4212	80	0.34	-0.97	-0.68	1.16e-04	0.0	1.42e-05
4212	88	0.30	-1.32	-0.65	1.31e-04	0.0	1.21e-05
4212	92	0.34	-0.39	-0.64	8.15e-05	0.0	1.48e-05
4212	98	0.29	-0.33	-0.55	6.95e-05	0.0	1.20e-05
4212	105	0.27	-0.51	-0.54	7.85e-05	0.0	1.13e-05
4212	107	0.27	-0.31	-0.53	6.71e-05	0.0	1.15e-05
4212	111	-7.61	2.18	-1.61	4.03e-04	0.0	5.36e-04
4212	112	10.06	-3.31	0.41	-2.39e-04	0.0	-5.29e-04
4212	129	5.70	-11.33	-1.11	6.04e-04	0.0	4.78e-05
4212	143	-8.61	2.50	-1.74	4.45e-04	0.0	6.02e-04
4212	144	11.30	-3.69	0.53	-2.77e-04	0.0	-5.97e-04
4212	161	6.40	-12.72	-1.18	6.71e-04	0.0	5.18e-05
4212	175	-8.62	2.42	-1.71	4.33e-04	0.0	5.95e-04
4212	176	11.32	-3.65	0.50	-2.64e-04	0.0	-5.92e-04
4212	193	6.51	-12.68	-1.18	6.64e-04	0.0	4.35e-05
4212	207	-10.19	2.86	-1.90	4.90e-04	0.0	6.94e-04
4212	208	13.28	-4.23	0.67	-3.14e-04	0.0	-6.95e-04
4212	225	7.70	-14.82	-1.28	7.65e-04	0.0	4.31e-05
4213	28	0.36	-1.17	-0.92	1.62e-04	0.0	1.83e-06
4213	44	0.31	-1.65	-0.88	1.84e-04	0.0	2.43e-06
4213	52	0.36	-0.38	-0.86	1.10e-04	0.0	0.0
4213	80	0.25	-0.79	-0.66	1.13e-04	0.0	1.15e-06
4213	88	0.22	-1.12	-0.63	1.27e-04	0.0	1.55e-06
4213	92	0.25	-0.27	-0.62	7.84e-05	0.0	0.0
4213	98	0.21	-0.22	-0.53	6.71e-05	0.0	0.0
4213	105	0.20	-0.39	-0.53	7.58e-05	0.0	0.0
4213	107	0.20	-0.22	-0.51	6.43e-05	0.0	0.0
4213	111	-7.18	1.98	-1.91	5.82e-04	0.0	4.13e-04
4213	112	9.34	-2.82	0.72	-3.89e-04	0.0	-5.28e-04
4213	129	5.27	-10.09	-1.13	8.97e-04	0.0	-3.21e-04
4213	143	-8.12	2.26	-2.08	6.47e-04	0.0	4.65e-04
4213	144	10.51	-3.16	0.88	-4.45e-04	0.0	-5.95e-04
4213	161	5.92	-11.34	-1.20	1.00e-03	0.0	-3.62e-04
4213	175	-8.13	2.20	-2.05	6.28e-04	0.0	4.60e-04

4213	176	10.53	-3.13	0.85	-4.24e-04	0.0	-5.89e-04
4213	193	6.02	-11.30	-1.19	9.88e-04	0.0	-3.63e-04
4213	207	-9.60	2.60	-2.30	7.15e-04	0.0	5.37e-04
4213	208	12.36	-3.65	1.07	-4.97e-04	0.0	-6.90e-04
4213	225	7.14	-13.22	-1.29	1.14e-03	0.0	-4.32e-04
4214	28	0.40	-1.25	-0.92	1.63e-04	0.0	7.03e-06
4214	44	0.35	-1.75	-0.88	1.86e-04	0.0	6.20e-06
4214	52	0.40	-0.44	-0.86	1.12e-04	0.0	6.90e-06
4214	80	0.28	-0.85	-0.66	1.14e-04	0.0	4.87e-06
4214	88	0.24	-1.18	-0.63	1.29e-04	0.0	4.32e-06
4214	92	0.28	-0.31	-0.62	7.96e-05	0.0	4.78e-06
4214	98	0.23	-0.26	-0.53	6.80e-05	0.0	3.90e-06
4214	105	0.22	-0.43	-0.53	7.68e-05	0.0	3.73e-06
4214	107	0.22	-0.25	-0.51	6.53e-05	0.0	3.70e-06
4214	111	-7.33	1.97	-1.90	5.31e-04	0.0	5.15e-04
4214	112	9.59	-2.91	0.72	-3.46e-04	0.0	-5.22e-04
4214	129	5.41	-10.54	-1.12	8.17e-04	0.0	3.44e-05
4214	143	-8.29	2.25	-2.08	5.90e-04	0.0	5.80e-04
4214	144	10.79	-3.25	0.87	-3.97e-04	0.0	-5.89e-04
4214	161	6.09	-11.84	-1.20	9.11e-04	0.0	3.78e-05
4214	175	-8.31	2.18	-2.04	5.72e-04	0.0	5.73e-04
4214	176	10.81	-3.23	0.84	-3.78e-04	0.0	-5.83e-04
4214	193	6.19	-11.80	-1.19	8.99e-04	0.0	3.05e-05
4214	207	-9.81	2.59	-2.29	6.51e-04	0.0	6.70e-04
4214	208	12.68	-3.75	1.07	-4.44e-04	0.0	-6.84e-04
4214	225	7.33	-13.80	-1.29	1.04e-03	0.0	3.00e-05
4215	28	0.44	-1.34	-0.92	1.66e-04	0.0	1.40e-05
4215	44	0.38	-1.85	-0.88	1.89e-04	0.0	1.19e-05
4215	52	0.44	-0.50	-0.86	1.15e-04	0.0	1.46e-05
4215	80	0.31	-0.91	-0.66	1.16e-04	0.0	9.79e-06
4215	88	0.27	-1.25	-0.63	1.31e-04	0.0	8.37e-06
4215	92	0.31	-0.35	-0.62	8.16e-05	0.0	1.02e-05
4215	98	0.26	-0.30	-0.53	6.96e-05	0.0	8.33e-06
4215	105	0.25	-0.47	-0.53	7.85e-05	0.0	7.81e-06
4215	107	0.25	-0.28	-0.51	6.70e-05	0.0	7.95e-06
4215	111	-7.48	1.96	-1.90	4.61e-04	0.0	5.22e-04
4215	112	9.83	-2.99	0.72	-2.86e-04	0.0	-5.21e-04
4215	129	5.56	-10.94	-1.12	7.06e-04	0.0	4.45e-05
4215	143	-8.46	2.24	-2.07	5.10e-04	0.0	5.87e-04
4215	144	11.05	-3.34	0.87	-3.29e-04	0.0	-5.88e-04
4215	161	6.25	-12.29	-1.20	7.86e-04	0.0	4.86e-05
4215	175	-8.47	2.17	-2.04	4.96e-04	0.0	5.79e-04
4215	176	11.07	-3.31	0.84	-3.14e-04	0.0	-5.83e-04
4215	193	6.35	-12.24	-1.19	7.77e-04	0.0	4.03e-05
4215	207	-10.01	2.57	-2.29	5.63e-04	0.0	6.76e-04
4215	208	12.99	-3.84	1.06	-3.71e-04	0.0	-6.84e-04
4215	225	7.52	-14.31	-1.29	8.95e-04	0.0	4.01e-05
4216	28	0.49	-1.43	-0.92	1.69e-04	0.0	2.05e-05
4216	44	0.42	-1.95	-0.88	1.92e-04	0.0	1.75e-05
4216	52	0.49	-0.56	-0.86	1.18e-04	0.0	2.13e-05
4216	80	0.34	-0.98	-0.66	1.18e-04	0.0	1.44e-05
4216	88	0.30	-1.32	-0.63	1.33e-04	0.0	1.24e-05
4216	92	0.34	-0.39	-0.62	8.38e-05	0.0	1.49e-05
4216	98	0.29	-0.33	-0.53	7.13e-05	0.0	1.21e-05
4216	105	0.27	-0.51	-0.53	8.02e-05	0.0	1.14e-05
4216	107	0.27	-0.32	-0.52	6.88e-05	0.0	1.16e-05
4216	111	-7.61	1.94	-1.90	3.83e-04	0.0	5.35e-04
4216	112	10.06	-3.06	0.71	-2.20e-04	0.0	-5.27e-04
4216	129	5.70	-11.28	-1.12	5.83e-04	0.0	4.69e-05
4216	143	-8.61	2.23	-2.07	4.23e-04	0.0	6.01e-04
4216	144	11.30	-3.42	0.87	-2.56e-04	0.0	-5.96e-04
4216	161	6.40	-12.66	-1.20	6.48e-04	0.0	5.08e-05
4216	175	-8.62	2.15	-2.04	4.12e-04	0.0	5.93e-04
4216	176	11.32	-3.38	0.84	-2.44e-04	0.0	-5.90e-04
4216	193	6.51	-12.61	-1.19	6.41e-04	0.0	4.25e-05
4216	207	-10.19	2.55	-2.29	4.66e-04	0.0	6.92e-04
4216	208	13.28	-3.92	1.06	-2.91e-04	0.0	-6.93e-04
4216	225	7.70	-14.73	-1.29	7.38e-04	0.0	4.21e-05
4217	28	0.35	-1.17	-0.87	1.69e-04	0.0	2.04e-06
4217	44	0.31	-1.65	-0.84	1.89e-04	0.0	2.65e-06
4217	52	0.36	-0.38	-0.81	1.19e-04	0.0	0.0
4217	80	0.25	-0.80	-0.62	1.18e-04	0.0	1.28e-06
4217	88	0.22	-1.12	-0.60	1.31e-04	0.0	1.69e-06
4217	92	0.25	-0.27	-0.59	8.42e-05	0.0	0.0
4217	98	0.21	-0.23	-0.51	7.20e-05	0.0	0.0

4217	105	0.20	-0.39	-0.50	8.02e-05	0.0	0.0
4217	107	0.20	-0.22	-0.49	6.90e-05	0.0	0.0
4217	111	-7.18	1.75	-2.17	6.03e-04	0.0	4.15e-04
4217	112	9.35	-2.58	1.03	-3.97e-04	0.0	-5.29e-04
4217	129	5.27	-10.00	-1.12	9.37e-04	0.0	-3.22e-04
4217	143	-8.12	2.00	-2.38	6.70e-04	0.0	4.67e-04
4217	144	10.51	-2.88	1.22	-4.55e-04	0.0	-5.96e-04
4217	161	5.92	-11.24	-1.20	1.05e-03	0.0	-3.64e-04
4217	175	-8.13	1.95	-2.35	6.50e-04	0.0	4.61e-04
4217	176	10.54	-2.87	1.19	-4.33e-04	0.0	-5.90e-04
4217	193	6.03	-11.20	-1.18	1.03e-03	0.0	-3.65e-04
4217	207	-9.60	2.31	-2.66	7.40e-04	0.0	5.38e-04
4217	208	12.37	-3.33	1.47	-5.08e-04	0.0	-6.91e-04
4217	225	7.15	-13.09	-1.28	1.19e-03	0.0	-4.34e-04
4218	28	0.40	-1.26	-0.88	1.69e-04	0.0	7.48e-06
4218	44	0.35	-1.75	-0.84	1.90e-04	0.0	6.62e-06
4218	52	0.40	-0.44	-0.82	1.18e-04	0.0	7.32e-06
4218	80	0.28	-0.86	-0.63	1.18e-04	0.0	5.18e-06
4218	88	0.24	-1.19	-0.60	1.32e-04	0.0	4.61e-06
4218	92	0.28	-0.31	-0.59	8.38e-05	0.0	5.08e-06
4218	98	0.23	-0.26	-0.51	7.15e-05	0.0	4.15e-06
4218	105	0.22	-0.43	-0.50	8.00e-05	0.0	3.97e-06
4218	107	0.22	-0.25	-0.49	6.87e-05	0.0	3.93e-06
4218	111	-7.33	1.74	-2.15	5.45e-04	0.0	5.15e-04
4218	112	9.59	-2.67	1.01	-3.51e-04	0.0	-5.21e-04
4218	129	5.41	-10.48	-1.12	8.46e-04	0.0	3.44e-05
4218	143	-8.29	1.99	-2.36	6.05e-04	0.0	5.80e-04
4218	144	10.78	-2.98	1.19	-4.03e-04	0.0	-5.88e-04
4218	161	6.09	-11.77	-1.20	9.43e-04	0.0	3.78e-05
4218	175	-8.31	1.93	-2.32	5.88e-04	0.0	5.73e-04
4218	176	10.81	-2.96	1.16	-3.83e-04	0.0	-5.83e-04
4218	193	6.19	-11.72	-1.18	9.31e-04	0.0	3.06e-05
4218	207	-9.81	2.29	-2.63	6.68e-04	0.0	6.69e-04
4218	208	12.68	-3.43	1.44	-4.51e-04	0.0	-6.83e-04
4218	225	7.33	-13.70	-1.28	1.07e-03	0.0	3.01e-05
4219	28	0.44	-1.35	-0.88	1.71e-04	0.0	1.43e-05
4219	44	0.38	-1.85	-0.84	1.93e-04	0.0	1.21e-05
4219	52	0.44	-0.50	-0.82	1.20e-04	0.0	1.49e-05
4219	80	0.31	-0.92	-0.63	1.19e-04	0.0	9.98e-06
4219	88	0.27	-1.26	-0.60	1.34e-04	0.0	8.56e-06
4219	92	0.31	-0.36	-0.59	8.52e-05	0.0	1.04e-05
4219	98	0.26	-0.30	-0.51	7.25e-05	0.0	8.47e-06
4219	105	0.25	-0.48	-0.51	8.12e-05	0.0	7.96e-06
4219	107	0.25	-0.29	-0.49	6.98e-05	0.0	8.09e-06
4219	111	-7.48	1.72	-2.13	4.61e-04	0.0	5.22e-04
4219	112	9.83	-2.75	0.99	-2.80e-04	0.0	-5.21e-04
4219	129	5.56	-10.89	-1.12	7.13e-04	0.0	4.43e-05
4219	143	-8.46	1.98	-2.34	5.10e-04	0.0	5.87e-04
4219	144	11.05	-3.07	1.17	-3.24e-04	0.0	-5.88e-04
4219	161	6.25	-12.23	-1.20	7.93e-04	0.0	4.83e-05
4219	175	-8.47	1.91	-2.30	4.96e-04	0.0	5.80e-04
4219	176	11.07	-3.04	1.14	-3.08e-04	0.0	-5.83e-04
4219	193	6.35	-12.17	-1.18	7.84e-04	0.0	4.01e-05
4219	207	-10.01	2.27	-2.60	5.62e-04	0.0	6.76e-04
4219	208	12.99	-3.52	1.42	-3.65e-04	0.0	-6.84e-04
4219	225	7.52	-14.22	-1.29	9.04e-04	0.0	3.98e-05
4220	28	0.49	-1.44	-0.88	1.71e-04	0.0	2.04e-05
4220	44	0.42	-1.96	-0.84	1.94e-04	0.0	1.75e-05
4220	52	0.49	-0.57	-0.82	1.20e-04	0.0	2.12e-05
4220	80	0.34	-0.98	-0.63	1.20e-04	0.0	1.43e-05
4220	88	0.30	-1.33	-0.60	1.35e-04	0.0	1.23e-05
4220	92	0.34	-0.40	-0.59	8.54e-05	0.0	1.48e-05
4220	98	0.29	-0.34	-0.51	7.25e-05	0.0	1.20e-05
4220	105	0.27	-0.52	-0.51	8.14e-05	0.0	1.13e-05
4220	107	0.27	-0.33	-0.49	6.99e-05	0.0	1.15e-05
4220	111	-7.61	1.70	-2.12	3.66e-04	0.0	5.35e-04
4220	112	10.06	-2.82	0.97	-2.03e-04	0.0	-5.28e-04
4220	129	5.70	-11.22	-1.12	5.65e-04	0.0	4.65e-05
4220	143	-8.61	1.96	-2.32	4.03e-04	0.0	6.01e-04
4220	144	11.30	-3.14	1.16	-2.37e-04	0.0	-5.96e-04
4220	161	6.40	-12.60	-1.20	6.27e-04	0.0	5.03e-05
4220	175	-8.62	1.88	-2.29	3.93e-04	0.0	5.93e-04
4220	176	11.32	-3.11	1.13	-2.26e-04	0.0	-5.90e-04
4220	193	6.51	-12.54	-1.18	6.21e-04	0.0	4.21e-05
4220	207	-10.19	2.25	-2.58	4.44e-04	0.0	6.91e-04

4220	208	13.28	-3.60	1.40	-2.72e-04	0.0	-6.93e-04
4220	225	7.70	-14.64	-1.29	7.14e-04	0.0	4.16e-05
4221	28	0.53	-1.46	-1.09	1.47e-04	9.32e-05	4.95e-06
4221	44	0.46	-2.00	-1.03	1.71e-04	8.42e-05	2.34e-06
4221	52	0.53	-0.57	-1.03	9.64e-05	9.38e-05	5.89e-06
4221	80	0.37	-1.00	-0.77	1.02e-04	6.64e-05	3.34e-06
4221	88	0.33	-1.36	-0.73	1.18e-04	6.04e-05	1.60e-06
4221	92	0.37	-0.40	-0.73	6.88e-05	6.68e-05	3.96e-06
4221	98	0.31	-0.34	-0.61	5.90e-05	5.59e-05	3.97e-06
4221	105	0.30	-0.53	-0.60	6.81e-05	5.39e-05	3.32e-06
4221	107	0.30	-0.33	-0.58	5.69e-05	5.40e-05	3.53e-06
4221	112	10.26	-4.12	-0.21	-2.96e-04	4.24e-04	-6.07e-04
4221	129	5.83	-11.82	-1.23	6.50e-04	1.76e-06	-3.68e-04
4221	144	11.53	-4.61	-0.16	-3.40e-04	4.71e-04	-6.85e-04
4221	161	6.55	-13.28	-1.31	7.24e-04	-4.50e-06	-4.16e-04
4221	176	11.55	-4.57	-0.18	-3.24e-04	4.67e-04	-6.80e-04
4221	193	6.65	-13.25	-1.30	7.16e-04	-1.54e-06	-4.19e-04
4221	208	13.54	-5.30	-0.12	-3.82e-04	5.39e-04	-7.98e-04
4221	225	7.86	-15.50	-1.42	8.28e-04	-7.96e-06	-5.00e-04
4222	28	0.53	-1.47	-1.03	1.63e-04	0.0	2.10e-05
4222	44	0.46	-2.01	-0.97	1.86e-04	0.0	1.72e-05
4222	52	0.53	-0.58	-0.97	1.13e-04	0.0	2.21e-05
4222	80	0.37	-1.01	-0.73	1.14e-04	0.0	1.47e-05
4222	88	0.33	-1.36	-0.69	1.29e-04	0.0	1.22e-05
4222	92	0.37	-0.41	-0.69	8.09e-05	0.0	1.54e-05
4222	98	0.31	-0.35	-0.58	6.91e-05	0.0	1.30e-05
4222	105	0.30	-0.53	-0.57	7.79e-05	0.0	1.21e-05
4222	107	0.30	-0.33	-0.55	6.67e-05	0.0	1.23e-05
4222	112	10.26	-3.87	-0.12	-2.58e-04	0.0	-5.66e-04
4222	127	0.80	-8.14	-1.27	6.11e-04	0.0	-2.62e-05
4222	129	5.83	-11.74	-1.09	6.15e-04	0.0	-3.41e-04
4222	144	11.53	-4.32	-0.06	-2.98e-04	0.0	-6.40e-04
4222	159	0.87	-9.12	-1.36	6.79e-04	0.0	-3.12e-05
4222	161	6.55	-13.19	-1.16	6.83e-04	0.0	-3.87e-04
4222	176	11.55	-4.28	-0.09	-2.84e-04	0.0	-6.34e-04
4222	191	0.88	-9.09	-1.35	6.70e-04	0.0	-3.02e-05
4222	193	6.65	-13.15	-1.16	6.77e-04	0.0	-3.88e-04
4222	208	13.54	-4.96	-0.03	-3.37e-04	0.0	-7.46e-04
4222	223	0.99	-10.57	-1.47	7.69e-04	0.0	-3.88e-05
4222	225	7.86	-15.38	-1.27	7.80e-04	0.0	-4.64e-04
4223	28	0.56	-1.52	-1.11	1.69e-04	1.14e-04	9.33e-06
4223	44	0.49	-2.07	-1.05	1.90e-04	1.05e-04	6.28e-06
4223	52	0.57	-0.60	-1.05	1.20e-04	1.14e-04	1.13e-05
4223	80	0.40	-1.04	-0.79	1.18e-04	8.06e-05	7.06e-06
4223	88	0.35	-1.41	-0.74	1.33e-04	7.45e-05	5.03e-06
4223	92	0.40	-0.43	-0.74	8.60e-05	8.05e-05	8.36e-06
4223	98	0.34	-0.36	-0.62	7.31e-05	6.42e-05	9.06e-06
4223	105	0.32	-0.55	-0.61	8.14e-05	6.22e-05	8.24e-06
4223	107	0.32	-0.35	-0.59	7.06e-05	6.21e-05	8.68e-06
4223	112	10.45	-4.20	-0.22	-2.69e-04	4.70e-04	-6.29e-04
4223	129	5.95	-12.14	-1.24	6.45e-04	2.90e-04	-3.83e-04
4223	144	11.74	-4.69	-0.17	-3.11e-04	5.21e-04	-7.10e-04
4223	161	6.68	-13.63	-1.32	7.17e-04	3.19e-04	-4.34e-04
4223	176	11.76	-4.65	-0.19	-2.95e-04	5.18e-04	-7.05e-04
4223	193	6.78	-13.60	-1.31	7.10e-04	3.19e-04	-4.39e-04
4223	208	13.78	-5.39	-0.13	-3.50e-04	5.97e-04	-8.28e-04
4223	225	8.01	-15.91	-1.43	8.17e-04	3.66e-04	-5.25e-04
4224	28	0.57	-1.56	-1.04	1.87e-04	0.0	3.58e-05
4224	44	0.50	-2.11	-0.98	2.07e-04	0.0	3.14e-05
4224	52	0.57	-0.64	-0.98	1.39e-04	0.0	3.70e-05
4224	80	0.40	-1.07	-0.73	1.31e-04	0.0	2.54e-05
4224	88	0.35	-1.43	-0.69	1.45e-04	0.0	2.25e-05
4224	92	0.40	-0.45	-0.69	9.89e-05	0.0	2.62e-05
4224	98	0.34	-0.38	-0.58	8.39e-05	0.0	2.20e-05
4224	105	0.32	-0.57	-0.57	9.19e-05	0.0	2.09e-05
4224	107	0.32	-0.37	-0.56	8.11e-05	0.0	2.12e-05
4224	112	10.46	-3.95	-0.12	-2.27e-04	0.0	-5.84e-04
4224	127	0.84	-8.37	-1.28	5.94e-04	0.0	-1.76e-05
4224	129	5.95	-12.04	-1.10	5.97e-04	0.0	-3.49e-04
4224	144	11.75	-4.40	-0.07	-2.66e-04	0.0	-6.61e-04
4224	159	0.91	-9.38	-1.37	6.58e-04	0.0	-2.29e-05
4224	161	6.68	-13.52	-1.17	6.62e-04	0.0	-3.97e-04
4224	176	11.77	-4.36	-0.10	-2.52e-04	0.0	-6.54e-04
4224	191	0.92	-9.35	-1.35	6.50e-04	0.0	-2.38e-05
4224	193	6.79	-13.48	-1.17	6.56e-04	0.0	-4.00e-04

4224	208	13.79	-5.05	-0.03	-3.03e-04	0.0	-7.70e-04
4224	223	1.04	-10.87	-1.47	7.43e-04	0.0	-3.42e-05
4224	225	8.02	-15.76	-1.27	7.53e-04	0.0	-4.81e-04
4225	28	0.65	-1.64	-1.15	2.15e-04	1.78e-04	-1.40e-05
4225	44	0.57	-2.19	-1.09	2.35e-04	1.62e-04	-1.38e-05
4225	52	0.65	-0.69	-1.09	1.69e-04	1.82e-04	-1.33e-05
4225	80	0.46	-1.12	-0.81	1.52e-04	1.25e-04	-1.03e-05
4225	88	0.40	-1.49	-0.77	1.65e-04	1.14e-04	-1.02e-05
4225	92	0.46	-0.49	-0.77	1.21e-04	1.27e-04	-9.84e-06
4225	98	0.38	-0.41	-0.64	1.00e-04	9.70e-05	-9.16e-06
4225	101	0.37	-0.41	-0.64	1.03e-04	1.02e-04	-9.13e-06
4225	105	0.36	-0.61	-0.63	1.08e-04	9.32e-05	-9.18e-06
4225	107	0.36	-0.40	-0.61	9.79e-05	9.39e-05	-9.02e-06
4225	112	10.73	-4.29	-0.24	-2.27e-04	4.82e-04	-6.44e-04
4225	129	6.12	-12.46	-1.11	6.58e-04	8.16e-06	-4.18e-04
4225	131	1.28	-8.47	-1.26	5.24e-04	-1.58e-04	-5.82e-05
4225	144	12.05	-4.79	-0.19	-2.67e-04	5.31e-04	-7.24e-04
4225	161	6.86	-13.99	-1.17	7.28e-04	-2.28e-06	-4.71e-04
4225	163	1.39	-9.48	-1.35	5.78e-04	-1.89e-04	-6.44e-05
4225	176	12.07	-4.74	-0.21	-2.50e-04	5.25e-04	-7.14e-04
4225	193	6.97	-13.96	-1.17	7.19e-04	0.0	-4.74e-04
4225	195	1.32	-9.39	-1.33	5.74e-04	-1.86e-04	-6.10e-05
4225	208	14.13	-5.49	-0.15	-3.01e-04	5.98e-04	-8.33e-04
4225	225	8.23	-16.32	-1.26	8.23e-04	-1.13e-05	-5.63e-04
4225	227	1.40	-10.84	-1.46	6.53e-04	-2.35e-04	-6.68e-05
4226	28	0.65	-1.67	-1.05	2.07e-04	0.0	3.76e-05
4226	44	0.57	-2.22	-0.99	2.25e-04	0.0	3.30e-05
4226	52	0.65	-0.72	-0.99	1.60e-04	0.0	3.76e-05
4226	80	0.45	-1.14	-0.74	1.46e-04	0.0	2.64e-05
4226	88	0.40	-1.51	-0.70	1.57e-04	0.0	2.34e-05
4226	92	0.46	-0.51	-0.70	1.14e-04	0.0	2.64e-05
4226	98	0.38	-0.43	-0.59	9.63e-05	0.0	2.22e-05
4226	105	0.36	-0.63	-0.58	1.04e-04	0.0	2.12e-05
4226	107	0.36	-0.42	-0.56	9.32e-05	0.0	2.12e-05
4226	112	10.72	-4.03	-0.13	-2.08e-04	0.0	-5.93e-04
4226	127	0.89	-8.61	-1.28	5.93e-04	0.0	-3.20e-05
4226	129	6.12	-12.34	-1.10	5.96e-04	0.0	-3.69e-04
4226	144	12.04	-4.50	-0.08	-2.46e-04	0.0	-6.71e-04
4226	159	0.96	-9.64	-1.37	6.55e-04	0.0	-3.92e-05
4226	161	6.86	-13.84	-1.17	6.59e-04	0.0	-4.20e-04
4226	176	12.06	-4.45	-0.10	-2.32e-04	0.0	-6.61e-04
4226	191	0.98	-9.61	-1.35	6.47e-04	0.0	-4.11e-05
4226	193	6.96	-13.80	-1.17	6.53e-04	0.0	-4.21e-04
4226	208	14.13	-5.14	-0.04	-2.81e-04	0.0	-7.76e-04
4226	223	1.09	-11.17	-1.48	7.38e-04	0.0	-5.51e-05
4226	225	8.22	-16.13	-1.28	7.48e-04	0.0	-5.05e-04
4227	28	0.53	-1.49	-0.98	1.72e-04	0.0	2.60e-05
4227	44	0.46	-2.02	-0.93	1.94e-04	0.0	2.22e-05
4227	52	0.53	-0.59	-0.92	1.21e-04	0.0	2.69e-05
4227	80	0.37	-1.02	-0.70	1.20e-04	0.0	1.82e-05
4227	88	0.33	-1.37	-0.66	1.35e-04	0.0	1.57e-05
4227	92	0.37	-0.42	-0.66	8.65e-05	0.0	1.88e-05
4227	98	0.31	-0.35	-0.56	7.37e-05	0.0	1.54e-05
4227	105	0.30	-0.54	-0.55	8.24e-05	0.0	1.45e-05
4227	107	0.30	-0.34	-0.54	7.12e-05	0.0	1.47e-05
4227	112	10.26	-3.62	0.13	-2.22e-04	0.0	-5.49e-04
4227	127	0.80	-8.22	-1.40	5.65e-04	0.0	-2.49e-05
4227	129	5.83	-11.67	-1.10	5.69e-04	0.0	-3.31e-04
4227	144	11.53	-4.04	0.21	-2.59e-04	0.0	-6.21e-04
4227	159	0.87	-9.21	-1.50	6.27e-04	0.0	-3.01e-05
4227	161	6.55	-13.11	-1.17	6.31e-04	0.0	-3.75e-04
4227	176	11.55	-4.00	0.18	-2.46e-04	0.0	-6.15e-04
4227	191	0.88	-9.18	-1.48	6.19e-04	0.0	-2.85e-05
4227	193	6.65	-13.07	-1.17	6.26e-04	0.0	-3.75e-04
4227	208	13.54	-4.63	0.29	-2.95e-04	0.0	-7.22e-04
4227	223	0.99	-10.67	-1.64	7.09e-04	0.0	-3.68e-05
4227	225	7.86	-15.27	-1.27	7.20e-04	0.0	-4.49e-04
4228	28	0.58	-1.58	-0.98	1.85e-04	0.0	3.01e-05
4228	44	0.50	-2.12	-0.93	2.06e-04	0.0	2.66e-05
4228	52	0.58	-0.66	-0.92	1.36e-04	0.0	3.04e-05
4228	80	0.41	-1.08	-0.70	1.30e-04	0.0	2.11e-05
4228	88	0.36	-1.44	-0.66	1.44e-04	0.0	1.88e-05
4228	92	0.41	-0.47	-0.66	9.69e-05	0.0	2.13e-05
4228	98	0.34	-0.39	-0.56	8.21e-05	0.0	1.74e-05
4228	105	0.33	-0.58	-0.55	9.04e-05	0.0	1.66e-05

4228	107	0.33	-0.38	-0.54	7.94e-05	0.0	1.67e-05
4228	112	10.47	-3.69	0.13	-1.92e-04	0.0	-5.72e-04
4228	127	0.84	-8.43	-1.40	5.26e-04	0.0	-2.20e-05
4228	129	5.96	-11.94	-1.10	5.31e-04	0.0	-3.43e-04
4228	144	11.75	-4.11	0.21	-2.26e-04	0.0	-6.47e-04
4228	159	0.91	-9.45	-1.51	5.82e-04	0.0	-2.72e-05
4228	161	6.69	-13.40	-1.17	5.87e-04	0.0	-3.90e-04
4228	176	11.78	-4.07	0.18	-2.15e-04	0.0	-6.39e-04
4228	191	0.93	-9.41	-1.49	5.75e-04	0.0	-2.75e-05
4228	193	6.79	-13.36	-1.17	5.83e-04	0.0	-3.91e-04
4228	208	13.80	-4.71	0.29	-2.60e-04	0.0	-7.50e-04
4228	223	1.04	-10.94	-1.64	6.57e-04	0.0	-3.74e-05
4228	225	8.02	-15.61	-1.27	6.68e-04	0.0	-4.68e-04
4229	28	0.64	-1.68	-0.98	1.93e-04	0.0	2.28e-05
4229	44	0.57	-2.23	-0.93	2.13e-04	0.0	2.06e-05
4229	52	0.65	-0.73	-0.92	1.44e-04	0.0	2.18e-05
4229	80	0.45	-1.15	-0.70	1.35e-04	0.0	1.58e-05
4229	88	0.40	-1.52	-0.66	1.49e-04	0.0	1.44e-05
4229	92	0.46	-0.52	-0.66	1.03e-04	0.0	1.52e-05
4229	98	0.38	-0.44	-0.56	8.69e-05	0.0	1.23e-05
4229	105	0.36	-0.63	-0.55	9.49e-05	0.0	1.19e-05
4229	107	0.36	-0.42	-0.54	8.40e-05	0.0	1.17e-05
4229	112	10.72	-3.76	0.13	-1.79e-04	0.0	-6.00e-04
4229	127	0.89	-8.64	-1.40	5.12e-04	0.0	-4.10e-05
4229	129	6.11	-12.20	-1.10	5.17e-04	0.0	-3.76e-04
4229	144	12.04	-4.19	0.21	-2.12e-04	0.0	-6.78e-04
4229	159	0.96	-9.67	-1.51	5.66e-04	0.0	-4.81e-05
4229	161	6.86	-13.69	-1.17	5.72e-04	0.0	-4.26e-04
4229	176	12.06	-4.15	0.18	-2.01e-04	0.0	-6.67e-04
4229	191	0.98	-9.64	-1.49	5.59e-04	0.0	-4.99e-05
4229	193	6.96	-13.64	-1.17	5.68e-04	0.0	-4.27e-04
4229	208	14.13	-4.79	0.29	-2.45e-04	0.0	-7.82e-04
4229	223	1.09	-11.19	-1.64	6.38e-04	0.0	-6.36e-05
4229	225	8.22	-15.93	-1.27	6.50e-04	0.0	-5.10e-04
4230	28	0.53	-1.50	-0.95	1.73e-04	0.0	2.45e-05
4230	44	0.46	-2.03	-0.91	1.95e-04	0.0	2.12e-05
4230	52	0.53	-0.60	-0.89	1.22e-04	0.0	2.51e-05
4230	80	0.37	-1.03	-0.68	1.21e-04	0.0	1.72e-05
4230	88	0.33	-1.38	-0.65	1.36e-04	0.0	1.50e-05
4230	92	0.37	-0.43	-0.64	8.70e-05	0.0	1.75e-05
4230	98	0.31	-0.36	-0.55	7.40e-05	0.0	1.42e-05
4230	105	0.30	-0.55	-0.54	8.28e-05	0.0	1.35e-05
4230	107	0.30	-0.35	-0.53	7.14e-05	0.0	1.36e-05
4230	111	-7.73	2.16	-1.61	3.53e-04	0.0	4.45e-04
4230	112	10.26	-3.37	0.41	-1.92e-04	0.0	-5.44e-04
4230	129	5.83	-11.61	-1.11	5.23e-04	0.0	-3.28e-04
4230	143	-8.75	2.48	-1.74	3.89e-04	0.0	4.99e-04
4230	144	11.53	-3.76	0.53	-2.25e-04	0.0	-6.15e-04
4230	161	6.55	-13.03	-1.18	5.80e-04	0.0	-3.72e-04
4230	175	-8.76	2.40	-1.71	3.79e-04	0.0	4.93e-04
4230	176	11.55	-3.72	0.50	-2.14e-04	0.0	-6.08e-04
4230	193	6.65	-12.98	-1.18	5.75e-04	0.0	-3.71e-04
4230	207	-10.35	2.85	-1.90	4.28e-04	0.0	5.74e-04
4230	208	13.54	-4.31	0.67	-2.58e-04	0.0	-7.15e-04
4230	225	7.86	-15.17	-1.28	6.60e-04	0.0	-4.44e-04
4231	28	0.58	-1.59	-0.95	1.79e-04	0.0	2.21e-05
4231	44	0.51	-2.13	-0.91	2.01e-04	0.0	1.96e-05
4231	52	0.58	-0.67	-0.89	1.28e-04	0.0	2.18e-05
4231	80	0.41	-1.09	-0.68	1.25e-04	0.0	1.53e-05
4231	88	0.36	-1.45	-0.65	1.40e-04	0.0	1.37e-05
4231	92	0.41	-0.47	-0.64	9.16e-05	0.0	1.52e-05
4231	98	0.34	-0.40	-0.55	7.76e-05	0.0	1.21e-05
4231	105	0.33	-0.59	-0.54	8.62e-05	0.0	1.16e-05
4231	107	0.33	-0.39	-0.53	7.50e-05	0.0	1.15e-05
4231	111	-7.84	2.14	-1.61	3.66e-05	0.0	4.67e-04
4231	112	10.47	-3.43	0.41	1.24e-04	0.0	-5.71e-04
4231	129	5.96	-11.84	-1.11	4.64e-04	0.0	-3.45e-04
4231	143	-8.88	2.47	-1.74	3.18e-05	0.0	5.25e-04
4231	144	11.76	-3.82	0.53	1.30e-04	0.0	-6.45e-04
4231	161	6.69	-13.29	-1.18	5.13e-04	0.0	-3.91e-04
4231	175	-8.89	2.38	-1.71	3.68e-05	0.0	5.17e-04
4231	176	11.78	-3.78	0.50	1.26e-04	0.0	-6.37e-04
4231	193	6.79	-13.24	-1.18	5.09e-04	0.0	-3.91e-04
4231	207	-10.51	2.83	-1.90	3.23e-05	0.0	6.01e-04
4231	208	13.80	-4.37	0.67	1.34e-04	0.0	-7.47e-04

4231	225	8.03	-15.47	-1.28	5.83e-04	0.0	-4.67e-04
4232	28	0.64	-1.68	-0.95	1.82e-04	0.0	1.29e-05
4232	44	0.57	-2.24	-0.91	2.03e-04	0.0	1.21e-05
4232	52	0.65	-0.73	-0.89	1.31e-04	0.0	1.14e-05
4232	80	0.45	-1.15	-0.68	1.27e-04	0.0	8.72e-06
4232	88	0.40	-1.52	-0.65	1.42e-04	0.0	8.18e-06
4232	92	0.46	-0.52	-0.64	9.35e-05	0.0	7.73e-06
4232	98	0.38	-0.44	-0.55	7.91e-05	0.0	5.87e-06
4232	105	0.36	-0.63	-0.54	8.77e-05	0.0	5.79e-06
4232	107	0.36	-0.42	-0.53	7.65e-05	0.0	5.47e-06
4232	111	-7.98	2.12	-1.61	3.99e-05	0.0	4.83e-04
4232	112	10.72	-3.49	0.41	1.20e-04	0.0	-6.05e-04
4232	129	6.11	-12.06	-1.11	4.42e-04	0.0	-3.81e-04
4232	143	-9.04	2.45	-1.74	3.53e-05	0.0	5.43e-04
4232	144	12.04	-3.88	0.53	1.26e-04	0.0	-6.82e-04
4232	161	6.86	-13.53	-1.19	4.88e-04	0.0	-4.30e-04
4232	175	-9.05	2.36	-1.71	3.97e-05	0.0	5.33e-04
4232	176	12.06	-3.84	0.50	1.23e-04	0.0	-6.72e-04
4232	193	6.96	-13.48	-1.18	4.85e-04	0.0	-4.32e-04
4232	207	-10.71	2.81	-1.90	3.51e-05	0.0	6.20e-04
4232	208	14.12	-4.43	0.67	1.30e-04	0.0	-7.86e-04
4232	225	8.22	-15.74	-1.28	5.55e-04	0.0	-5.14e-04
4233	28	0.53	-1.51	-0.92	1.71e-04	0.0	2.25e-05
4233	44	0.46	-2.04	-0.88	1.94e-04	0.0	1.96e-05
4233	52	0.53	-0.62	-0.86	1.20e-04	0.0	2.29e-05
4233	80	0.37	-1.04	-0.66	1.20e-04	0.0	1.57e-05
4233	88	0.33	-1.39	-0.63	1.35e-04	0.0	1.38e-05
4233	92	0.37	-0.44	-0.62	8.53e-05	0.0	1.60e-05
4233	98	0.31	-0.37	-0.53	7.24e-05	0.0	1.29e-05
4233	105	0.30	-0.55	-0.53	8.13e-05	0.0	1.22e-05
4233	107	0.30	-0.35	-0.52	6.99e-05	0.0	1.23e-05
4233	111	-7.73	1.92	-1.90	3.15e-04	0.0	4.42e-04
4233	112	10.26	-3.12	0.71	-1.63e-04	0.0	-5.44e-04
4233	129	5.83	-11.53	-1.12	4.76e-04	0.0	-3.28e-04
4233	143	-8.75	2.21	-2.07	3.46e-04	0.0	4.97e-04
4233	144	11.53	-3.48	0.87	-1.92e-04	0.0	-6.15e-04
4233	161	6.55	-12.95	-1.20	5.27e-04	0.0	-3.72e-04
4233	175	-8.76	2.13	-2.04	3.38e-04	0.0	4.90e-04
4233	176	11.55	-3.44	0.84	-1.83e-04	0.0	-6.08e-04
4233	193	6.65	-12.89	-1.19	5.23e-04	0.0	-3.71e-04
4233	207	-10.35	2.53	-2.29	3.81e-04	0.0	5.71e-04
4233	208	13.54	-3.98	1.06	-2.23e-04	0.0	-7.14e-04
4233	225	7.86	-15.06	-1.29	6.00e-04	0.0	-4.43e-04
4234	28	0.58	-1.60	-0.92	1.72e-04	0.0	1.78e-05
4234	44	0.51	-2.14	-0.88	1.95e-04	0.0	1.59e-05
4234	52	0.59	-0.68	-0.86	1.20e-04	0.0	1.72e-05
4234	80	0.41	-1.10	-0.66	1.20e-04	0.0	1.23e-05
4234	88	0.36	-1.46	-0.63	1.36e-04	0.0	1.10e-05
4234	92	0.41	-0.48	-0.62	8.55e-05	0.0	1.19e-05
4234	98	0.35	-0.41	-0.53	7.24e-05	0.0	9.37e-06
4234	105	0.33	-0.59	-0.53	8.15e-05	0.0	8.99e-06
4234	107	0.33	-0.39	-0.52	7.00e-05	0.0	8.87e-06
4234	111	-7.84	1.89	-1.90	4.68e-05	0.0	4.64e-04
4234	112	10.47	-3.17	0.71	9.53e-05	0.0	-5.73e-04
4234	129	5.96	-11.74	-1.13	3.98e-04	0.0	-3.47e-04
4234	143	-8.88	2.18	-2.07	4.39e-05	0.0	5.21e-04
4234	144	11.76	-3.53	0.87	9.85e-05	0.0	-6.47e-04
4234	161	6.69	-13.18	-1.20	4.39e-04	0.0	-3.93e-04
4234	175	-8.89	2.10	-2.04	4.72e-05	0.0	5.13e-04
4234	176	11.78	-3.49	0.84	9.64e-05	0.0	-6.38e-04
4234	193	6.79	-13.12	-1.19	4.36e-04	0.0	-3.93e-04
4234	207	-10.51	2.51	-2.29	4.45e-05	0.0	5.96e-04
4234	208	13.80	-4.03	1.06	1.00e-04	0.0	-7.48e-04
4234	225	8.03	-15.32	-1.29	4.99e-04	0.0	-4.69e-04
4235	28	0.64	-1.68	-0.93	1.71e-04	0.0	7.93e-06
4235	44	0.57	-2.24	-0.89	1.95e-04	0.0	7.77e-06
4235	52	0.65	-0.74	-0.87	1.19e-04	0.0	6.20e-06
4235	80	0.45	-1.15	-0.66	1.20e-04	0.0	5.19e-06
4235	88	0.40	-1.52	-0.64	1.35e-04	0.0	5.08e-06
4235	92	0.46	-0.52	-0.62	8.50e-05	0.0	4.03e-06
4235	98	0.38	-0.44	-0.54	7.19e-05	0.0	2.74e-06
4235	105	0.36	-0.63	-0.53	8.10e-05	0.0	2.83e-06
4235	107	0.36	-0.42	-0.52	6.95e-05	0.0	2.45e-06
4235	111	-7.98	1.87	-1.90	4.88e-05	0.0	4.80e-04
4235	112	10.72	-3.21	0.71	8.85e-05	0.0	-6.07e-04

4235	129	6.11	-11.92	-1.13	3.68e-04	0.0	-3.83e-04
4235	143	-9.04	2.16	-2.08	4.62e-05	0.0	5.40e-04
4235	144	12.03	-3.57	0.87	9.10e-05	0.0	-6.85e-04
4235	161	6.86	-13.37	-1.20	4.05e-04	0.0	-4.33e-04
4235	175	-9.05	2.08	-2.05	4.88e-05	0.0	5.30e-04
4235	176	12.05	-3.53	0.84	8.95e-05	0.0	-6.74e-04
4235	193	6.96	-13.32	-1.19	4.03e-04	0.0	-4.34e-04
4235	207	-10.70	2.49	-2.30	4.62e-05	0.0	6.16e-04
4235	208	14.12	-4.07	1.06	9.27e-05	0.0	-7.88e-04
4235	225	8.22	-15.54	-1.29	4.61e-04	0.0	-5.16e-04
4236	28	0.53	-1.52	-0.88	1.69e-04	0.0	2.20e-05
4236	44	0.46	-2.05	-0.84	1.93e-04	0.0	1.91e-05
4236	52	0.53	-0.63	-0.82	1.17e-04	0.0	2.23e-05
4236	80	0.37	-1.04	-0.63	1.18e-04	0.0	1.53e-05
4236	88	0.33	-1.40	-0.60	1.34e-04	0.0	1.34e-05
4236	92	0.37	-0.44	-0.59	8.33e-05	0.0	1.56e-05
4236	98	0.31	-0.38	-0.51	7.07e-05	0.0	1.25e-05
4236	105	0.30	-0.56	-0.51	7.98e-05	0.0	1.19e-05
4236	107	0.30	-0.36	-0.49	6.82e-05	0.0	1.19e-05
4236	111	-7.73	1.67	-2.11	4.98e-05	0.0	4.42e-04
4236	112	10.26	-2.87	0.96	9.33e-05	0.0	-5.44e-04
4236	129	5.83	-11.46	-1.12	4.34e-04	0.0	-3.28e-04
4236	143	-8.75	1.93	-2.31	4.75e-05	0.0	4.96e-04
4236	144	11.53	-3.20	1.15	9.66e-05	0.0	-6.15e-04
4236	161	6.55	-12.86	-1.20	4.80e-04	0.0	-3.72e-04
4236	175	-8.76	1.86	-2.28	5.13e-05	0.0	4.90e-04
4236	176	11.55	-3.16	1.12	9.39e-05	0.0	-6.08e-04
4236	193	6.65	-12.81	-1.18	4.77e-04	0.0	-3.71e-04
4236	207	-10.35	2.22	-2.57	4.99e-05	0.0	5.70e-04
4236	208	13.54	-3.65	1.38	9.76e-05	0.0	-7.14e-04
4236	225	7.86	-14.95	-1.29	5.47e-04	0.0	-4.43e-04
4237	28	0.59	-1.61	-0.87	1.65e-04	0.0	1.69e-05
4237	44	0.51	-2.15	-0.84	1.89e-04	0.0	1.51e-05
4237	52	0.59	-0.68	-0.82	1.12e-04	0.0	1.63e-05
4237	80	0.41	-1.10	-0.63	1.15e-04	0.0	1.16e-05
4237	88	0.36	-1.46	-0.60	1.31e-04	0.0	1.05e-05
4237	92	0.42	-0.49	-0.59	7.99e-05	0.0	1.12e-05
4237	98	0.35	-0.41	-0.51	6.77e-05	0.0	8.79e-06
4237	105	0.33	-0.60	-0.51	7.71e-05	0.0	8.45e-06
4237	107	0.33	-0.39	-0.49	6.54e-05	0.0	8.31e-06
4237	111	-7.84	1.64	-2.10	5.54e-05	0.0	4.63e-04
4237	112	10.47	-2.91	0.95	7.03e-05	0.0	-5.73e-04
4237	129	5.96	-11.64	-1.12	3.40e-04	0.0	-3.47e-04
4237	143	-8.87	1.90	-2.30	5.42e-05	0.0	5.20e-04
4237	144	11.76	-3.23	1.14	7.10e-05	0.0	-6.47e-04
4237	161	6.69	-13.06	-1.20	3.74e-04	0.0	-3.93e-04
4237	175	-8.88	1.83	-2.27	5.60e-05	0.0	5.12e-04
4237	176	11.78	-3.20	1.11	7.01e-05	0.0	-6.39e-04
4237	193	6.80	-13.00	-1.18	3.72e-04	0.0	-3.93e-04
4237	207	-10.51	2.19	-2.56	5.50e-05	0.0	5.96e-04
4237	208	13.81	-3.69	1.37	7.10e-05	0.0	-7.48e-04
4237	225	8.03	-15.17	-1.29	4.25e-04	0.0	-4.69e-04
4238	28	0.65	-1.69	-0.87	2.89e-04	1.13e-04	-1.09e-06
4238	44	0.57	-2.24	-0.84	3.06e-04	1.03e-04	0.0
4238	52	0.65	-0.74	-0.82	2.45e-04	1.13e-04	-3.81e-06
4238	80	0.45	-1.16	-0.63	2.05e-04	7.85e-05	-1.45e-06
4238	88	0.40	-1.53	-0.60	2.16e-04	7.16e-05	0.0
4238	92	0.46	-0.52	-0.59	1.76e-04	7.85e-05	-3.26e-06
4238	98	0.38	-0.44	-0.51	1.40e-04	5.85e-05	-4.05e-06
4238	105	0.36	-0.64	-0.51	1.47e-04	5.62e-05	-3.56e-06
4238	107	0.36	-0.42	-0.49	1.38e-04	5.62e-05	-4.17e-06
4238	111	-7.97	1.62	-2.09	1.27e-04	-2.94e-04	4.70e-04
4238	112	10.71	-2.94	0.95	1.43e-04	4.95e-04	-6.11e-04
4238	129	6.11	-11.78	-1.12	5.04e-04	3.03e-04	-3.89e-04
4238	143	-9.03	1.87	-2.30	1.25e-04	-3.38e-04	5.29e-04
4238	144	12.03	-3.26	1.13	1.44e-04	5.51e-04	-6.88e-04
4238	161	6.86	-13.21	-1.20	5.50e-04	3.35e-04	-4.38e-04
4238	175	-9.04	1.80	-2.26	1.24e-04	-3.35e-04	5.19e-04
4238	176	12.05	-3.23	1.10	1.46e-04	5.47e-04	-6.77e-04
4238	193	6.96	-13.15	-1.19	5.46e-04	3.35e-04	-4.39e-04
4238	207	-10.70	2.16	-2.55	1.21e-04	-4.03e-04	6.05e-04
4238	208	14.11	-3.72	1.36	1.50e-04	6.32e-04	-7.89e-04
4238	225	8.22	-15.34	-1.29	6.16e-04	3.86e-04	-5.21e-04
4239	28	0.36	-1.20	-0.97	0.0	9.32e-05	-1.69e-06
4239	44	0.31	-1.68	-0.89	0.0	7.94e-05	-3.77e-06

4239	52	0.36	-0.41	-0.92	0.0	9.28e-05	-2.71e-06
4239	80	0.25	-0.81	-0.68	0.0	6.49e-05	-2.42e-06
4239	88	0.22	-1.13	-0.63	0.0	5.57e-05	-3.80e-06
4239	92	0.25	-0.29	-0.65	0.0	6.47e-05	-3.10e-06
4239	98	0.21	-0.24	-0.54	0.0	5.42e-05	-4.03e-06
4239	105	0.20	-0.41	-0.53	0.0	5.11e-05	-4.42e-06
4239	107	0.20	-0.23	-0.52	0.0	5.10e-05	-4.65e-06
4239	112	9.48	-3.81	-0.29	0.0	5.65e-04	-5.60e-04
4239	129	5.35	-10.48	-0.92	0.0	3.43e-04	-3.47e-04
4239	144	10.66	-4.27	-0.26	0.0	6.30e-04	-6.30e-04
4239	161	6.02	-11.78	-0.97	0.0	3.80e-04	-3.91e-04
4239	176	10.69	-4.24	-0.27	0.0	6.27e-04	-6.24e-04
4239	193	6.13	-11.76	-0.96	0.0	3.81e-04	-3.93e-04
4239	208	12.56	-4.94	-0.23	0.0	7.26e-04	-7.29e-04
4239	225	7.27	-13.78	-1.03	0.0	4.41e-04	-4.68e-04
4240	28	0.35	-1.18	-0.84	0.0	8.92e-05	0.0
4240	44	0.31	-1.67	-0.77	0.0	7.69e-05	-2.32e-06
4240	52	0.36	-0.40	-0.81	0.0	8.89e-05	-1.62e-06
4240	80	0.25	-0.81	-0.59	0.0	6.25e-05	-1.35e-06
4240	88	0.22	-1.13	-0.54	0.0	5.43e-05	-2.30e-06
4240	92	0.25	-0.28	-0.57	0.0	6.23e-05	-1.83e-06
4240	98	0.21	-0.24	-0.48	0.0	5.25e-05	-2.08e-06
4240	105	0.20	-0.40	-0.46	0.0	4.98e-05	-2.34e-06
4240	107	0.20	-0.23	-0.46	0.0	4.98e-05	-2.50e-06
4240	112	9.73	-3.80	-0.32	0.0	5.80e-04	-5.82e-04
4240	129	5.49	-10.46	-0.68	0.0	-2.67e-05	-3.63e-04
4240	144	10.94	-4.26	-0.31	0.0	6.47e-04	-6.56e-04
4240	161	6.18	-11.76	-0.71	0.0	-3.59e-05	-4.10e-04
4240	176	10.98	-4.23	-0.31	0.0	6.45e-04	-6.50e-04
4240	193	6.30	-11.75	-0.70	0.0	-3.14e-05	-4.14e-04
4240	208	12.90	-4.93	-0.29	0.0	7.48e-04	-7.61e-04
4240	225	7.49	-13.76	-0.75	0.0	-4.07e-05	-4.94e-04
4241	28	0.40	-1.25	-0.99	0.0	8.45e-05	0.0
4241	44	0.35	-1.75	-0.91	0.0	7.35e-05	-1.73e-06
4241	52	0.40	-0.43	-0.94	0.0	8.48e-05	0.0
4241	80	0.28	-0.85	-0.69	0.0	5.97e-05	0.0
4241	88	0.24	-1.18	-0.65	0.0	5.23e-05	-1.86e-06
4241	92	0.28	-0.31	-0.66	0.0	5.99e-05	0.0
4241	98	0.23	-0.26	-0.55	0.0	5.11e-05	-1.29e-06
4241	105	0.22	-0.43	-0.54	0.0	4.86e-05	-1.65e-06
4241	107	0.22	-0.25	-0.53	0.0	4.87e-05	-1.76e-06
4241	112	9.76	-3.88	-0.28	0.0	5.06e-04	-5.91e-04
4241	129	5.52	-10.81	-0.95	0.0	-1.39e-05	-3.61e-04
4241	144	10.97	-4.34	-0.25	0.0	5.64e-04	-6.66e-04
4241	161	6.20	-12.15	-1.00	0.0	-2.13e-05	-4.07e-04
4241	176	11.00	-4.31	-0.27	0.0	5.60e-04	-6.61e-04
4241	193	6.31	-12.13	-0.99	0.0	-1.77e-05	-4.11e-04
4241	208	12.91	-5.02	-0.23	0.0	6.49e-04	-7.75e-04
4241	225	7.48	-14.20	-1.07	0.0	-2.53e-05	-4.91e-04
4242	28	0.40	-1.25	-0.86	0.0	8.78e-05	-1.46e-06
4242	44	0.35	-1.75	-0.79	0.0	7.66e-05	-3.20e-06
4242	52	0.40	-0.43	-0.84	0.0	8.78e-05	-2.05e-06
4242	80	0.28	-0.85	-0.61	0.0	6.18e-05	-1.75e-06
4242	88	0.25	-1.18	-0.56	0.0	5.44e-05	-2.90e-06
4242	92	0.28	-0.31	-0.59	0.0	6.18e-05	-2.14e-06
4242	98	0.24	-0.26	-0.49	0.0	5.23e-05	-2.08e-06
4242	105	0.22	-0.43	-0.47	0.0	4.99e-05	-2.42e-06
4242	107	0.22	-0.25	-0.47	0.0	4.99e-05	-2.55e-06
4242	112	10.02	-3.88	-0.33	0.0	5.40e-04	-6.10e-04
4242	129	5.67	-10.81	-0.70	0.0	-1.77e-05	-3.77e-04
4242	144	11.27	-4.34	-0.32	0.0	6.02e-04	-6.87e-04
4242	161	6.38	-12.14	-0.73	0.0	-2.58e-05	-4.26e-04
4242	176	11.31	-4.31	-0.32	0.0	5.99e-04	-6.82e-04
4242	193	6.51	-12.13	-0.72	0.0	-2.18e-05	-4.31e-04
4242	208	13.28	-5.02	-0.30	0.0	6.95e-04	-7.99e-04
4242	225	7.72	-14.20	-0.77	0.0	-2.98e-05	-5.14e-04
4243	28	0.44	-1.32	-1.00	0.0	8.40e-05	-2.00e-06
4243	44	0.38	-1.83	-0.93	0.0	7.42e-05	-3.67e-06
4243	52	0.44	-0.48	-0.95	0.0	8.46e-05	-2.07e-06
4243	80	0.31	-0.90	-0.70	0.0	5.97e-05	-1.92e-06
4243	88	0.27	-1.24	-0.66	0.0	5.32e-05	-3.03e-06
4243	92	0.31	-0.34	-0.67	0.0	6.01e-05	-1.96e-06
4243	98	0.26	-0.28	-0.56	0.0	5.15e-05	-1.60e-06
4243	105	0.25	-0.46	-0.55	0.0	4.93e-05	-1.96e-06
4243	107	0.25	-0.27	-0.54	0.0	4.94e-05	-1.98e-06

4243	112	10.00	-3.96	-0.28	0.0	4.63e-04	-6.15e-04
4243	129	5.67	-11.16	-0.97	0.0	-6.75e-06	-3.74e-04
4243	144	11.24	-4.44	-0.25	0.0	5.15e-04	-6.93e-04
4243	161	6.37	-12.53	-1.02	0.0	-1.35e-05	-4.23e-04
4243	176	11.27	-4.40	-0.26	0.0	5.12e-04	-6.89e-04
4243	193	6.48	-12.51	-1.01	0.0	-1.02e-05	-4.27e-04
4243	208	13.22	-5.11	-0.23	0.0	5.92e-04	-8.08e-04
4243	225	7.68	-14.65	-1.09	0.0	-1.70e-05	-5.10e-04
4244	28	0.44	-1.32	-0.88	0.0	8.96e-05	-5.64e-06
4244	44	0.39	-1.83	-0.80	0.0	7.93e-05	-7.07e-06
4244	52	0.45	-0.48	-0.85	0.0	8.98e-05	-5.97e-06
4244	80	0.31	-0.90	-0.62	0.0	6.34e-05	-4.56e-06
4244	88	0.27	-1.24	-0.57	0.0	5.66e-05	-5.51e-06
4244	92	0.31	-0.34	-0.60	0.0	6.36e-05	-4.78e-06
4244	98	0.26	-0.28	-0.50	0.0	5.38e-05	-3.86e-06
4244	105	0.25	-0.46	-0.48	0.0	5.15e-05	-4.15e-06
4244	107	0.25	-0.27	-0.48	0.0	5.16e-05	-4.22e-06
4244	112	10.29	-3.96	-0.34	0.0	4.91e-04	-6.39e-04
4244	129	5.84	-11.16	-0.71	0.0	-3.09e-06	-3.94e-04
4244	144	11.56	-4.44	-0.32	0.0	5.47e-04	-7.20e-04
4244	161	6.56	-12.53	-0.74	0.0	-9.60e-06	-4.45e-04
4244	176	11.61	-4.40	-0.33	0.0	5.44e-04	-7.15e-04
4244	193	6.69	-12.51	-0.74	0.0	-6.20e-06	-4.51e-04
4244	208	13.63	-5.11	-0.31	0.0	6.30e-04	-8.38e-04
4244	225	7.93	-14.65	-0.78	0.0	-1.25e-05	-5.38e-04
4245	28	0.49	-1.39	-1.01	0.0	8.87e-05	-4.45e-06
4245	44	0.42	-1.92	-0.94	0.0	7.93e-05	-6.04e-06
4245	52	0.49	-0.52	-0.96	0.0	8.93e-05	-4.16e-06
4245	80	0.34	-0.95	-0.71	0.0	6.31e-05	-3.50e-06
4245	88	0.30	-1.30	-0.66	0.0	5.69e-05	-4.56e-06
4245	92	0.34	-0.37	-0.68	0.0	6.36e-05	-3.31e-06
4245	98	0.29	-0.31	-0.56	0.0	5.39e-05	-2.31e-06
4245	105	0.27	-0.49	-0.55	0.0	5.18e-05	-2.68e-06
4245	107	0.27	-0.30	-0.54	0.0	5.19e-05	-2.62e-06
4245	112	10.23	-4.05	-0.28	0.0	4.38e-04	-6.32e-04
4245	129	5.81	-11.50	-0.98	0.0	2.69e-04	-3.85e-04
4245	144	11.49	-4.53	-0.25	0.0	4.87e-04	-7.12e-04
4245	161	6.52	-12.92	-1.04	0.0	2.97e-04	-4.34e-04
4245	176	11.52	-4.49	-0.27	0.0	4.84e-04	-7.08e-04
4245	193	6.64	-12.89	-1.03	0.0	2.97e-04	-4.39e-04
4245	208	13.52	-5.21	-0.23	0.0	5.58e-04	-8.31e-04
4245	225	7.86	-15.09	-1.11	0.0	3.42e-04	-5.24e-04
4246	28	0.49	-1.40	-0.89	0.0	9.60e-05	-1.11e-05
4246	44	0.43	-1.92	-0.81	0.0	8.60e-05	-1.20e-05
4246	52	0.49	-0.52	-0.86	0.0	9.63e-05	-1.12e-05
4246	80	0.35	-0.95	-0.63	0.0	6.82e-05	-8.28e-06
4246	88	0.30	-1.30	-0.58	0.0	6.15e-05	-8.90e-06
4246	92	0.35	-0.37	-0.61	0.0	6.84e-05	-8.33e-06
4246	98	0.29	-0.31	-0.50	0.0	5.74e-05	-6.41e-06
4246	105	0.28	-0.49	-0.49	0.0	5.52e-05	-6.61e-06
4246	107	0.28	-0.30	-0.48	0.0	5.53e-05	-6.63e-06
4246	112	10.53	-4.05	-0.34	0.0	4.50e-04	-6.59e-04
4246	129	5.98	-11.50	-0.72	0.0	2.70e-04	-4.07e-04
4246	144	11.83	-4.53	-0.32	0.0	5.00e-04	-7.41e-04
4246	161	6.72	-12.92	-0.75	0.0	2.97e-04	-4.59e-04
4246	176	11.87	-4.49	-0.33	0.0	4.97e-04	-7.37e-04
4246	193	6.85	-12.89	-0.75	0.0	2.98e-04	-4.65e-04
4246	208	13.93	-5.21	-0.31	0.0	5.74e-04	-8.63e-04
4246	225	8.12	-15.09	-0.79	0.0	3.44e-04	-5.55e-04
4247	28	0.35	-1.18	-0.77	0.0	8.81e-05	-3.10e-06
4247	44	0.31	-1.66	-0.69	0.0	7.69e-05	-3.69e-06
4247	52	0.36	-0.39	-0.75	0.0	8.80e-05	-3.65e-06
4247	80	0.25	-0.80	-0.54	0.0	6.20e-05	-2.59e-06
4247	88	0.22	-1.12	-0.49	0.0	5.46e-05	-2.98e-06
4247	92	0.25	-0.28	-0.53	0.0	6.19e-05	-2.96e-06
4247	98	0.21	-0.23	-0.44	0.0	5.23e-05	-2.56e-06
4247	105	0.20	-0.40	-0.42	0.0	4.98e-05	-2.65e-06
4247	107	0.20	-0.22	-0.42	0.0	4.98e-05	-2.77e-06
4247	112	10.00	-3.79	-0.35	0.0	6.05e-04	-5.92e-04
4247	129	5.65	-10.45	-0.54	0.0	-2.87e-05	-3.73e-04
4247	144	11.24	-4.25	-0.34	0.0	6.75e-04	-6.66e-04
4247	161	6.35	-11.75	-0.55	0.0	-3.80e-05	-4.21e-04
4247	176	11.30	-4.22	-0.34	0.0	6.73e-04	-6.61e-04
4247	193	6.49	-11.74	-0.55	0.0	-3.33e-05	-4.26e-04
4247	208	13.28	-4.92	-0.33	0.0	7.82e-04	-7.74e-04

4247	225	7.71	-13.75	-0.57	0.0	-4.25e-05	-5.08e-04
4248	28	0.40	-1.25	-0.79	0.0	9.05e-05	-3.95e-06
4248	44	0.35	-1.74	-0.71	0.0	7.96e-05	-5.01e-06
4248	52	0.40	-0.43	-0.77	0.0	9.04e-05	-4.51e-06
4248	80	0.28	-0.85	-0.56	0.0	6.38e-05	-3.31e-06
4248	88	0.25	-1.18	-0.50	0.0	5.66e-05	-4.02e-06
4248	92	0.28	-0.30	-0.54	0.0	6.38e-05	-3.69e-06
4248	98	0.24	-0.26	-0.45	0.0	5.38e-05	-3.07e-06
4248	105	0.23	-0.43	-0.43	0.0	5.14e-05	-3.27e-06
4248	107	0.23	-0.25	-0.43	0.0	5.14e-05	-3.39e-06
4248	112	10.30	-3.88	-0.36	0.0	5.65e-04	-6.19e-04
4248	129	5.84	-10.81	-0.55	0.0	-1.58e-05	-3.89e-04
4248	144	11.59	-4.34	-0.35	0.0	6.30e-04	-6.97e-04
4248	161	6.57	-12.14	-0.57	0.0	-2.38e-05	-4.39e-04
4248	176	11.64	-4.31	-0.35	0.0	6.29e-04	-6.91e-04
4248	193	6.70	-12.13	-0.57	0.0	-1.95e-05	-4.44e-04
4248	208	13.67	-5.02	-0.34	0.0	7.29e-04	-8.09e-04
4248	225	7.96	-14.20	-0.59	0.0	-2.73e-05	-5.30e-04
4249	28	0.45	-1.32	-0.80	0.0	9.50e-05	-7.43e-06
4249	44	0.39	-1.83	-0.72	0.0	8.43e-05	-8.41e-06
4249	52	0.45	-0.48	-0.78	0.0	9.50e-05	-7.91e-06
4249	80	0.32	-0.90	-0.56	0.0	6.72e-05	-5.77e-06
4249	88	0.28	-1.24	-0.51	0.0	6.01e-05	-6.43e-06
4249	92	0.32	-0.34	-0.55	0.0	6.72e-05	-6.09e-06
4249	98	0.27	-0.28	-0.46	0.0	5.66e-05	-4.88e-06
4249	105	0.25	-0.46	-0.44	0.0	5.42e-05	-5.06e-06
4249	107	0.25	-0.27	-0.44	0.0	5.42e-05	-5.17e-06
4249	112	10.58	-3.96	-0.36	0.0	5.11e-04	-6.42e-04
4249	129	6.01	-11.16	-0.56	0.0	3.12e-04	-4.04e-04
4249	144	11.90	-4.43	-0.35	0.0	5.69e-04	-7.23e-04
4249	161	6.75	-12.53	-0.58	0.0	3.45e-04	-4.56e-04
4249	176	11.95	-4.40	-0.36	0.0	5.67e-04	-7.17e-04
4249	193	6.89	-12.51	-0.58	0.0	3.47e-04	-4.62e-04
4249	208	14.04	-5.11	-0.35	0.0	6.57e-04	-8.40e-04
4249	225	8.18	-14.65	-0.60	0.0	4.01e-04	-5.51e-04
4250	28	0.50	-1.40	-0.81	0.0	1.02e-04	-1.21e-05
4250	44	0.44	-1.92	-0.73	0.0	9.11e-05	-1.27e-05
4250	52	0.50	-0.52	-0.79	0.0	1.02e-04	-1.25e-05
4250	80	0.35	-0.95	-0.57	0.0	7.21e-05	-9.02e-06
4250	88	0.31	-1.30	-0.52	0.0	6.50e-05	-9.40e-06
4250	92	0.35	-0.37	-0.56	0.0	7.22e-05	-9.26e-06
4250	98	0.30	-0.31	-0.46	0.0	6.06e-05	-7.38e-06
4250	105	0.28	-0.49	-0.45	0.0	5.82e-05	-7.48e-06
4250	107	0.28	-0.30	-0.44	0.0	5.82e-05	-7.56e-06
4250	112	10.83	-4.05	-0.37	0.0	4.54e-04	-6.58e-04
4250	129	6.16	-11.50	-0.57	0.0	2.69e-04	-4.15e-04
4250	144	12.18	-4.53	-0.36	0.0	5.04e-04	-7.41e-04
4250	161	6.92	-12.92	-0.59	0.0	2.97e-04	-4.68e-04
4250	176	12.23	-4.49	-0.36	0.0	5.02e-04	-7.35e-04
4250	193	7.06	-12.89	-0.58	0.0	2.99e-04	-4.74e-04
4250	208	14.36	-5.21	-0.35	0.0	5.80e-04	-8.60e-04
4250	225	8.37	-15.09	-0.61	0.0	3.44e-04	-5.65e-04
4251	28	0.36	-1.17	-0.73	0.0	8.85e-05	-4.26e-06
4251	44	0.31	-1.66	-0.65	0.0	7.80e-05	-4.30e-06
4251	52	0.36	-0.38	-0.72	0.0	8.85e-05	-4.74e-06
4251	80	0.25	-0.80	-0.51	0.0	6.25e-05	-3.23e-06
4251	88	0.22	-1.12	-0.46	0.0	5.55e-05	-3.26e-06
4251	92	0.25	-0.27	-0.51	0.0	6.25e-05	-3.56e-06
4251	98	0.21	-0.23	-0.42	0.0	5.27e-05	-2.86e-06
4251	105	0.20	-0.39	-0.40	0.0	5.03e-05	-2.83e-06
4251	107	0.20	-0.22	-0.40	0.0	5.03e-05	-2.94e-06
4251	112	10.27	-3.79	-0.36	0.0	6.31e-04	-5.89e-04
4251	129	5.80	-10.45	-0.46	0.0	-2.43e-05	-3.75e-04
4251	144	11.55	-4.25	-0.36	0.0	7.04e-04	-6.64e-04
4251	161	6.53	-11.74	-0.47	0.0	-3.31e-05	-4.23e-04
4251	176	11.61	-4.22	-0.36	0.0	7.03e-04	-6.57e-04
4251	193	6.68	-11.73	-0.46	0.0	-2.82e-05	-4.28e-04
4251	208	13.65	-4.92	-0.36	0.0	8.18e-04	-7.69e-04
4251	225	7.94	-13.74	-0.48	0.0	-3.65e-05	-5.10e-04
4252	28	0.40	-1.25	-0.75	0.0	9.26e-05	-5.12e-06
4252	44	0.35	-1.74	-0.67	0.0	8.19e-05	-5.56e-06
4252	52	0.41	-0.43	-0.74	0.0	9.25e-05	-5.67e-06
4252	80	0.28	-0.85	-0.52	0.0	6.54e-05	-3.97e-06
4252	88	0.25	-1.18	-0.47	0.0	5.83e-05	-4.26e-06
4252	92	0.29	-0.30	-0.52	0.0	6.54e-05	-4.33e-06

4252	98	0.24	-0.26	-0.43	0.0	5.51e-05	-3.46e-06
4252	105	0.23	-0.43	-0.41	0.0	5.27e-05	-3.51e-06
4252	107	0.23	-0.25	-0.41	0.0	5.27e-05	-3.63e-06
4252	112	10.59	-3.88	-0.37	0.0	5.86e-04	-6.15e-04
4252	129	6.00	-10.81	-0.47	0.0	-1.08e-05	-3.92e-04
4252	144	11.91	-4.34	-0.37	0.0	6.53e-04	-6.92e-04
4252	161	6.75	-12.14	-0.48	0.0	-1.83e-05	-4.43e-04
4252	176	11.97	-4.31	-0.37	0.0	6.52e-04	-6.86e-04
4252	193	6.90	-12.13	-0.48	0.0	-1.40e-05	-4.48e-04
4252	208	14.07	-5.02	-0.37	0.0	7.57e-04	-8.02e-04
4252	225	8.20	-14.20	-0.49	0.0	-2.10e-05	-5.34e-04
4253	28	0.45	-1.32	-0.76	0.0	9.83e-05	-7.29e-06
4253	44	0.40	-1.83	-0.68	0.0	8.75e-05	-7.80e-06
4253	52	0.46	-0.48	-0.75	0.0	9.83e-05	-7.85e-06
4253	80	0.32	-0.90	-0.53	0.0	6.96e-05	-5.57e-06
4253	88	0.28	-1.24	-0.48	0.0	6.24e-05	-5.91e-06
4253	92	0.32	-0.34	-0.53	0.0	6.96e-05	-5.94e-06
4253	98	0.27	-0.28	-0.43	0.0	5.86e-05	-4.78e-06
4253	105	0.26	-0.46	-0.42	0.0	5.62e-05	-4.85e-06
4253	107	0.26	-0.27	-0.42	0.0	5.62e-05	-4.97e-06
4253	112	10.88	-3.96	-0.38	0.0	5.23e-04	-6.34e-04
4253	129	6.17	-11.16	-0.48	0.0	3.18e-04	-4.06e-04
4253	144	12.23	-4.43	-0.37	0.0	5.82e-04	-7.13e-04
4253	161	6.94	-12.53	-0.49	0.0	3.51e-04	-4.58e-04
4253	176	12.29	-4.40	-0.38	0.0	5.81e-04	-7.07e-04
4253	193	7.09	-12.51	-0.48	0.0	3.54e-04	-4.63e-04
4253	208	14.44	-5.11	-0.37	0.0	6.73e-04	-8.27e-04
4253	225	8.43	-14.65	-0.50	0.0	4.10e-04	-5.52e-04
4254	28	0.51	-1.40	-0.77	0.0	1.05e-04	-1.01e-05
4254	44	0.45	-1.92	-0.69	0.0	9.39e-05	-1.04e-05
4254	52	0.51	-0.52	-0.76	0.0	1.05e-04	-1.06e-05
4254	80	0.36	-0.95	-0.54	0.0	7.44e-05	-7.56e-06
4254	88	0.32	-1.30	-0.49	0.0	6.70e-05	-7.76e-06
4254	92	0.36	-0.37	-0.53	0.0	7.45e-05	-7.91e-06
4254	98	0.30	-0.31	-0.44	0.0	6.26e-05	-6.50e-06
4254	105	0.29	-0.49	-0.42	0.0	6.02e-05	-6.53e-06
4254	107	0.29	-0.30	-0.42	0.0	6.02e-05	-6.65e-06
4254	112	11.13	-4.05	-0.38	0.0	4.53e-04	-6.45e-04
4254	129	6.32	-11.50	-0.48	0.0	2.68e-04	-4.15e-04
4254	144	12.51	-4.53	-0.38	0.0	5.02e-04	-7.26e-04
4254	161	7.11	-12.92	-0.49	0.0	2.95e-04	-4.67e-04
4254	176	12.57	-4.49	-0.38	0.0	5.01e-04	-7.19e-04
4254	193	7.26	-12.89	-0.49	0.0	2.98e-04	-4.73e-04
4254	208	14.77	-5.21	-0.37	0.0	5.78e-04	-8.41e-04
4254	225	8.62	-15.09	-0.50	0.0	3.43e-04	-5.63e-04
4255	28	0.36	-1.17	-0.71	0.0	8.91e-05	-4.53e-06
4255	44	0.31	-1.65	-0.63	0.0	7.91e-05	-4.25e-06
4255	52	0.36	-0.38	-0.71	0.0	8.92e-05	-5.00e-06
4255	80	0.25	-0.80	-0.50	0.0	6.31e-05	-3.33e-06
4255	88	0.22	-1.12	-0.44	0.0	5.63e-05	-3.15e-06
4255	92	0.26	-0.27	-0.50	0.0	6.31e-05	-3.65e-06
4255	98	0.21	-0.23	-0.41	0.0	5.31e-05	-2.91e-06
4255	105	0.20	-0.39	-0.39	0.0	5.09e-05	-2.81e-06
4255	107	0.20	-0.22	-0.39	0.0	5.09e-05	-2.91e-06
4255	112	10.54	-3.79	-0.38	0.0	6.52e-04	-5.82e-04
4255	127	0.60	-6.98	-0.41	0.0	-3.24e-04	-5.08e-05
4255	129	5.95	-10.44	-0.41	0.0	-1.73e-05	-3.73e-04
4255	144	11.86	-4.24	-0.38	0.0	7.28e-04	-6.55e-04
4255	159	0.66	-7.83	-0.41	0.0	-3.71e-04	-5.74e-05
4255	161	6.70	-11.74	-0.41	0.0	-2.53e-05	-4.21e-04
4255	176	11.93	-4.22	-0.38	0.0	7.28e-04	-6.48e-04
4255	191	0.69	-7.81	-0.41	0.0	-3.70e-04	-6.01e-05
4255	193	6.86	-11.73	-0.41	0.0	-2.03e-05	-4.25e-04
4255	208	14.03	-4.91	-0.38	0.0	8.47e-04	-7.59e-04
4255	223	0.80	-9.10	-0.42	0.0	-4.44e-04	-7.34e-05
4255	225	8.17	-13.74	-0.41	0.0	-2.74e-05	-5.07e-04
4256	28	0.41	-1.25	-0.73	0.0	9.38e-05	-5.27e-06
4256	44	0.36	-1.74	-0.64	0.0	8.34e-05	-5.25e-06
4256	52	0.41	-0.43	-0.72	0.0	9.38e-05	-5.81e-06
4256	80	0.29	-0.85	-0.51	0.0	6.64e-05	-3.96e-06
4256	88	0.25	-1.18	-0.45	0.0	5.95e-05	-3.95e-06
4256	92	0.29	-0.30	-0.51	0.0	6.64e-05	-4.32e-06
4256	98	0.24	-0.26	-0.42	0.0	5.59e-05	-3.46e-06
4256	105	0.23	-0.43	-0.40	0.0	5.36e-05	-3.42e-06
4256	107	0.23	-0.25	-0.40	0.0	5.36e-05	-3.54e-06

4256	112	10.87	-3.88	-0.39	0.0	6.01e-04	-6.04e-04
4256	127	0.65	-7.26	-0.42	0.0	9.23e-05	-5.52e-05
4256	129	6.15	-10.80	-0.42	0.0	3.70e-04	-3.90e-04
4256	144	12.23	-4.34	-0.39	0.0	6.70e-04	-6.80e-04
4256	159	0.71	-8.14	-0.43	0.0	9.73e-05	-6.23e-05
4256	161	6.93	-12.14	-0.42	0.0	4.10e-04	-4.40e-04
4256	176	12.30	-4.31	-0.39	0.0	6.69e-04	-6.73e-04
4256	191	0.74	-8.12	-0.42	0.0	9.73e-05	-6.52e-05
4256	193	7.09	-12.12	-0.42	0.0	4.14e-04	-4.45e-04
4256	208	14.46	-5.02	-0.39	0.0	7.78e-04	-7.87e-04
4256	223	0.85	-9.46	-0.43	0.0	1.05e-04	-7.94e-05
4256	225	8.43	-14.20	-0.42	0.0	4.82e-04	-5.30e-04
4257	28	0.46	-1.32	-0.74	0.0	1.00e-04	-6.42e-06
4257	44	0.40	-1.83	-0.65	0.0	8.93e-05	-6.52e-06
4257	52	0.46	-0.48	-0.73	0.0	1.00e-04	-7.00e-06
4257	80	0.32	-0.90	-0.52	0.0	7.09e-05	-4.86e-06
4257	88	0.29	-1.24	-0.46	0.0	6.37e-05	-4.94e-06
4257	92	0.32	-0.34	-0.52	0.0	7.10e-05	-5.25e-06
4257	98	0.27	-0.28	-0.43	0.0	5.98e-05	-4.32e-06
4257	105	0.26	-0.46	-0.41	0.0	5.74e-05	-4.30e-06
4257	107	0.26	-0.27	-0.41	0.0	5.74e-05	-4.43e-06
4257	112	11.17	-3.96	-0.39	0.0	5.30e-04	-6.20e-04
4257	127	0.69	-7.53	-0.43	0.0	8.31e-05	-5.88e-05
4257	129	6.33	-11.16	-0.42	0.0	3.21e-04	-4.02e-04
4257	144	12.56	-4.43	-0.39	0.0	5.90e-04	-6.98e-04
4257	159	0.75	-8.45	-0.43	0.0	8.65e-05	-6.63e-05
4257	161	7.13	-12.53	-0.42	0.0	3.54e-04	-4.54e-04
4257	176	12.63	-4.40	-0.39	0.0	5.89e-04	-6.90e-04
4257	191	0.79	-8.43	-0.43	0.0	8.68e-05	-6.93e-05
4257	193	7.29	-12.51	-0.42	0.0	3.58e-04	-4.58e-04
4257	208	14.84	-5.11	-0.39	0.0	6.83e-04	-8.07e-04
4257	223	0.90	-9.81	-0.43	0.0	9.22e-05	-8.42e-05
4257	225	8.67	-14.65	-0.43	0.0	4.15e-04	-5.46e-04
4258	28	0.51	-1.40	-0.74	0.0	1.07e-04	-7.84e-06
4258	44	0.45	-1.92	-0.66	0.0	9.55e-05	-7.90e-06
4258	52	0.52	-0.52	-0.74	0.0	1.07e-04	-8.41e-06
4258	80	0.36	-0.95	-0.52	0.0	7.57e-05	-5.94e-06
4258	88	0.32	-1.30	-0.47	0.0	6.83e-05	-5.99e-06
4258	92	0.36	-0.37	-0.52	0.0	7.58e-05	-6.33e-06
4258	98	0.30	-0.31	-0.43	0.0	6.40e-05	-5.40e-06
4258	105	0.29	-0.49	-0.41	0.0	6.15e-05	-5.37e-06
4258	107	0.29	-0.30	-0.41	0.0	6.15e-05	-5.50e-06
4258	112	11.42	-4.05	-0.40	0.0	4.52e-04	-6.30e-04
4258	127	0.73	-7.81	-0.43	0.0	7.40e-05	-6.17e-05
4258	129	6.48	-11.50	-0.43	0.0	2.68e-04	-4.10e-04
4258	144	12.84	-4.53	-0.40	0.0	5.01e-04	-7.09e-04
4258	159	0.79	-8.75	-0.44	0.0	7.57e-05	-6.94e-05
4258	161	7.29	-12.92	-0.43	0.0	2.94e-04	-4.62e-04
4258	176	12.91	-4.49	-0.40	0.0	5.00e-04	-7.01e-04
4258	191	0.83	-8.73	-0.44	0.0	7.65e-05	-7.23e-05
4258	193	7.46	-12.89	-0.43	0.0	2.97e-04	-4.66e-04
4258	208	15.17	-5.21	-0.40	0.0	5.77e-04	-8.19e-04
4258	223	0.95	-10.16	-0.44	0.0	7.96e-05	-8.76e-05
4258	225	8.86	-15.09	-0.43	0.0	3.42e-04	-5.55e-04
4259	4	0.36	0.42	-0.72	0.0	9.03e-05	-4.72e-06
4259	44	0.32	-1.65	-0.62	0.0	8.01e-05	-4.54e-06
4259	52	0.37	-0.38	-0.71	0.0	9.01e-05	-5.52e-06
4259	68	0.25	0.26	-0.50	0.0	6.40e-05	-3.46e-06
4259	88	0.23	-1.12	-0.44	0.0	5.72e-05	-3.33e-06
4259	92	0.26	-0.27	-0.50	0.0	6.38e-05	-3.99e-06
4259	98	0.21	-0.23	-0.42	0.0	5.37e-05	-3.27e-06
4259	105	0.20	-0.39	-0.40	0.0	5.15e-05	-3.12e-06
4259	107	0.20	-0.22	-0.40	0.0	5.16e-05	-3.22e-06
4259	112	10.81	-3.79	-0.39	0.0	6.65e-04	-5.74e-04
4259	126	-5.94	9.93	-0.41	0.0	-3.25e-04	3.52e-04
4259	129	6.11	-10.44	-0.38	0.0	4.11e-04	-3.70e-04
4259	144	12.16	-4.24	-0.39	0.0	7.43e-04	-6.46e-04
4259	158	-6.73	11.21	-0.41	0.0	-3.73e-04	3.97e-04
4259	161	6.88	-11.74	-0.38	0.0	4.57e-04	-4.17e-04
4259	176	12.24	-4.21	-0.39	0.0	7.43e-04	-6.39e-04
4259	190	-6.81	11.13	-0.41	0.0	-3.73e-04	3.95e-04
4259	193	7.05	-11.72	-0.38	0.0	4.62e-04	-4.21e-04
4259	208	14.40	-4.91	-0.39	0.0	8.66e-04	-7.47e-04
4259	222	-8.09	13.05	-0.42	0.0	-4.48e-04	4.66e-04
4259	225	8.40	-13.74	-0.38	0.0	5.40e-04	-5.01e-04

4260	4	0.41	0.40	-0.74	0.0	9.47e-05	-5.66e-06
4260	44	0.36	-1.74	-0.64	0.0	8.43e-05	-5.63e-06
4260	52	0.41	-0.43	-0.73	0.0	9.46e-05	-6.53e-06
4260	68	0.29	0.25	-0.52	0.0	6.72e-05	-4.22e-06
4260	88	0.26	-1.18	-0.45	0.0	6.02e-05	-4.20e-06
4260	92	0.29	-0.30	-0.51	0.0	6.71e-05	-4.80e-06
4260	98	0.24	-0.26	-0.43	0.0	5.66e-05	-4.01e-06
4260	105	0.23	-0.43	-0.41	0.0	5.43e-05	-3.88e-06
4260	107	0.23	-0.25	-0.41	0.0	5.43e-05	-4.00e-06
4260	112	11.15	-3.88	-0.40	0.0	6.11e-04	-5.93e-04
4260	126	-6.10	10.23	-0.42	0.0	-2.83e-04	3.65e-04
4260	129	6.31	-10.80	-0.39	0.0	3.74e-04	-3.86e-04
4260	144	12.54	-4.34	-0.40	0.0	6.82e-04	-6.68e-04
4260	158	-6.92	11.55	-0.42	0.0	-3.26e-04	4.12e-04
4260	161	7.11	-12.14	-0.39	0.0	4.15e-04	-4.35e-04
4260	176	12.62	-4.31	-0.40	0.0	6.82e-04	-6.60e-04
4260	190	-6.99	11.47	-0.42	0.0	-3.26e-04	4.10e-04
4260	193	7.28	-12.12	-0.39	0.0	4.20e-04	-4.39e-04
4260	208	14.84	-5.01	-0.40	0.0	7.93e-04	-7.71e-04
4260	222	-8.31	13.45	-0.43	0.0	-3.93e-04	4.84e-04
4260	225	8.67	-14.20	-0.39	0.0	4.89e-04	-5.23e-04
4261	4	0.46	0.38	-0.75	0.0	1.01e-04	-6.44e-06
4261	44	0.41	-1.83	-0.65	0.0	9.03e-05	-6.52e-06
4261	52	0.46	-0.47	-0.74	0.0	1.01e-04	-7.35e-06
4261	68	0.32	0.23	-0.52	0.0	7.17e-05	-4.86e-06
4261	88	0.29	-1.24	-0.46	0.0	6.45e-05	-4.91e-06
4261	92	0.33	-0.34	-0.52	0.0	7.17e-05	-5.47e-06
4261	98	0.27	-0.28	-0.43	0.0	6.06e-05	-4.69e-06
4261	105	0.26	-0.46	-0.41	0.0	5.82e-05	-4.59e-06
4261	107	0.26	-0.27	-0.41	0.0	5.83e-05	-4.72e-06
4261	112	11.45	-3.96	-0.40	0.0	5.36e-04	-6.08e-04
4261	126	-6.24	10.52	-0.43	0.0	-2.25e-04	3.75e-04
4261	129	6.49	-11.15	-0.40	0.0	3.23e-04	-3.98e-04
4261	144	12.87	-4.43	-0.40	0.0	5.96e-04	-6.84e-04
4261	158	-7.07	11.88	-0.43	0.0	-2.61e-04	4.23e-04
4261	161	7.31	-12.53	-0.39	0.0	3.57e-04	-4.49e-04
4261	176	12.95	-4.40	-0.40	0.0	5.96e-04	-6.76e-04
4261	190	-7.14	11.80	-0.43	0.0	-2.61e-04	4.21e-04
4261	193	7.48	-12.51	-0.40	0.0	3.61e-04	-4.52e-04
4261	208	15.23	-5.11	-0.40	0.0	6.91e-04	-7.89e-04
4261	222	-8.49	13.84	-0.43	0.0	-3.18e-04	4.96e-04
4261	225	8.90	-14.65	-0.39	0.0	4.19e-04	-5.38e-04
4262	4	0.51	0.36	-0.75	0.0	1.08e-04	-7.14e-06
4262	44	0.45	-1.92	-0.66	0.0	9.66e-05	-7.30e-06
4262	52	0.52	-0.52	-0.75	0.0	1.08e-04	-8.08e-06
4262	68	0.36	0.22	-0.53	0.0	7.65e-05	-5.44e-06
4262	88	0.32	-1.30	-0.46	0.0	6.92e-05	-5.55e-06
4262	92	0.37	-0.37	-0.53	0.0	7.66e-05	-6.06e-06
4262	98	0.31	-0.31	-0.44	0.0	6.50e-05	-5.39e-06
4262	105	0.29	-0.49	-0.42	0.0	6.25e-05	-5.30e-06
4262	107	0.29	-0.30	-0.42	0.0	6.25e-05	-5.42e-06
4262	112	11.70	-4.05	-0.41	0.0	4.53e-04	-6.18e-04
4262	126	-6.33	10.81	-0.43	0.0	-1.62e-04	3.81e-04
4262	129	6.64	-11.50	-0.40	0.0	2.68e-04	-4.05e-04
4262	144	13.16	-4.53	-0.41	0.0	5.02e-04	-6.96e-04
4262	158	-7.18	12.21	-0.43	0.0	-1.90e-04	4.30e-04
4262	161	7.47	-12.92	-0.40	0.0	2.95e-04	-4.57e-04
4262	176	13.24	-4.49	-0.41	0.0	5.02e-04	-6.87e-04
4262	190	-7.26	12.12	-0.43	0.0	-1.91e-04	4.28e-04
4262	193	7.65	-12.89	-0.40	0.0	2.98e-04	-4.60e-04
4262	208	15.56	-5.21	-0.41	0.0	5.80e-04	-8.02e-04
4262	222	-8.64	14.22	-0.44	0.0	-2.36e-04	5.04e-04
4262	225	9.10	-15.09	-0.40	0.0	3.44e-04	-5.47e-04
4263	4	0.36	0.42	-0.75	0.0	9.18e-05	-6.61e-06
4263	44	0.32	-1.65	-0.64	0.0	8.18e-05	-6.09e-06
4263	52	0.37	-0.38	-0.74	0.0	9.17e-05	-7.35e-06
4263	68	0.26	0.26	-0.53	0.0	6.52e-05	-4.82e-06
4263	88	0.23	-1.12	-0.45	0.0	5.85e-05	-4.47e-06
4263	92	0.26	-0.27	-0.52	0.0	6.51e-05	-5.31e-06
4263	98	0.22	-0.22	-0.43	0.0	5.49e-05	-4.52e-06
4263	105	0.21	-0.39	-0.41	0.0	5.27e-05	-4.31e-06
4263	107	0.21	-0.22	-0.41	0.0	5.28e-05	-4.42e-06
4263	112	11.08	-3.78	-0.40	0.0	6.78e-04	-5.68e-04
4263	129	6.26	-10.44	-0.36	0.0	4.17e-04	-3.67e-04
4263	130	-5.85	10.01	-0.47	0.0	-3.11e-04	3.58e-04

4263	144	12.46	-4.24	-0.40	0.0	7.58e-04	-6.39e-04
4263	161	7.05	-11.73	-0.35	0.0	4.64e-04	-4.14e-04
4263	162	-6.64	11.30	-0.47	0.0	-3.58e-04	4.05e-04
4263	176	12.55	-4.21	-0.40	0.0	7.59e-04	-6.31e-04
4263	193	7.23	-11.72	-0.35	0.0	4.70e-04	-4.17e-04
4263	194	-6.82	11.29	-0.47	0.0	-3.65e-04	4.08e-04
4263	208	14.76	-4.91	-0.40	0.0	8.84e-04	-7.38e-04
4263	225	8.62	-13.73	-0.34	0.0	5.50e-04	-4.96e-04
4263	226	-8.21	13.30	-0.48	0.0	-4.45e-04	4.87e-04
4264	4	0.41	0.40	-0.77	0.0	9.57e-05	-8.98e-06
4264	44	0.36	-1.74	-0.65	0.0	8.54e-05	-8.52e-06
4264	52	0.42	-0.43	-0.76	0.0	9.57e-05	-9.82e-06
4264	68	0.29	0.25	-0.54	0.0	6.80e-05	-6.60e-06
4264	88	0.26	-1.18	-0.46	0.0	6.11e-05	-6.30e-06
4264	92	0.29	-0.30	-0.53	0.0	6.79e-05	-7.16e-06
4264	98	0.25	-0.26	-0.44	0.0	5.74e-05	-6.25e-06
4264	105	0.23	-0.43	-0.42	0.0	5.52e-05	-6.03e-06
4264	107	0.23	-0.24	-0.42	0.0	5.52e-05	-6.14e-06
4264	112	11.42	-3.88	-0.41	0.0	6.20e-04	-5.87e-04
4264	129	6.47	-10.80	-0.37	0.0	3.78e-04	-3.84e-04
4264	130	-6.00	10.31	-0.48	0.0	-2.68e-04	3.72e-04
4264	144	12.84	-4.34	-0.41	0.0	6.92e-04	-6.61e-04
4264	161	7.28	-12.14	-0.36	0.0	4.20e-04	-4.33e-04
4264	162	-6.82	11.65	-0.49	0.0	-3.09e-04	4.20e-04
4264	176	12.93	-4.31	-0.41	0.0	6.92e-04	-6.53e-04
4264	193	7.47	-12.12	-0.36	0.0	4.25e-04	-4.36e-04
4264	194	-7.00	11.63	-0.49	0.0	-3.15e-04	4.24e-04
4264	208	15.21	-5.01	-0.41	0.0	8.06e-04	-7.62e-04
4264	225	8.90	-14.20	-0.35	0.0	4.96e-04	-5.18e-04
4264	226	-8.43	13.71	-0.50	0.0	-3.86e-04	5.06e-04
4265	4	0.46	0.38	-0.78	0.0	1.02e-04	-1.03e-05
4265	44	0.41	-1.83	-0.66	0.0	9.10e-05	-9.90e-06
4265	52	0.47	-0.47	-0.77	0.0	1.02e-04	-1.12e-05
4265	68	0.33	0.23	-0.55	0.0	7.22e-05	-7.60e-06
4265	88	0.29	-1.24	-0.47	0.0	6.52e-05	-7.36e-06
4265	92	0.33	-0.34	-0.54	0.0	7.23e-05	-8.20e-06
4265	98	0.28	-0.28	-0.45	0.0	6.13e-05	-7.29e-06
4265	105	0.26	-0.46	-0.43	0.0	5.90e-05	-7.09e-06
4265	107	0.26	-0.27	-0.43	0.0	5.90e-05	-7.19e-06
4265	112	11.72	-3.96	-0.41	0.0	5.42e-04	-6.03e-04
4265	129	6.65	-11.15	-0.37	0.0	3.26e-04	-3.97e-04
4265	130	-6.12	10.61	-0.49	0.0	-2.08e-04	3.82e-04
4265	144	13.18	-4.43	-0.41	0.0	6.03e-04	-6.79e-04
4265	161	7.49	-12.53	-0.36	0.0	3.60e-04	-4.47e-04
4265	162	-6.96	11.99	-0.50	0.0	-2.42e-04	4.32e-04
4265	176	13.27	-4.40	-0.41	0.0	6.03e-04	-6.69e-04
4265	193	7.68	-12.51	-0.36	0.0	3.65e-04	-4.50e-04
4265	194	-7.15	11.97	-0.49	0.0	-2.47e-04	4.36e-04
4265	208	15.60	-5.11	-0.41	0.0	7.00e-04	-7.82e-04
4265	225	9.14	-14.65	-0.35	0.0	4.24e-04	-5.35e-04
4265	226	-8.61	14.10	-0.51	0.0	-3.06e-04	5.20e-04
4266	4	0.52	0.36	-0.79	0.0	1.08e-04	-1.06e-05
4266	44	0.46	-1.92	-0.67	0.0	9.73e-05	-1.04e-05
4266	52	0.52	-0.52	-0.78	0.0	1.08e-04	-1.15e-05
4266	68	0.37	0.22	-0.56	0.0	7.70e-05	-7.90e-06
4266	88	0.33	-1.30	-0.47	0.0	6.98e-05	-7.76e-06
4266	92	0.37	-0.37	-0.55	0.0	7.72e-05	-8.52e-06
4266	98	0.31	-0.31	-0.45	0.0	6.57e-05	-7.74e-06
4266	105	0.30	-0.49	-0.43	0.0	6.32e-05	-7.56e-06
4266	107	0.30	-0.30	-0.43	0.0	6.32e-05	-7.66e-06
4266	112	11.98	-4.05	-0.42	0.0	4.57e-04	-6.14e-04
4266	129	6.80	-11.50	-0.37	0.0	2.70e-04	-4.04e-04
4266	130	-6.21	10.90	-0.49	0.0	-1.43e-04	3.89e-04
4266	144	13.47	-4.53	-0.42	0.0	5.06e-04	-6.91e-04
4266	161	7.66	-12.92	-0.37	0.0	2.97e-04	-4.55e-04
4266	162	-7.06	12.32	-0.50	0.0	-1.70e-04	4.40e-04
4266	176	13.56	-4.49	-0.42	0.0	5.06e-04	-6.81e-04
4266	193	7.85	-12.89	-0.37	0.0	3.01e-04	-4.58e-04
4266	194	-7.26	12.29	-0.50	0.0	-1.74e-04	4.43e-04
4266	208	15.94	-5.21	-0.42	0.0	5.85e-04	-7.95e-04
4266	225	9.34	-15.09	-0.36	0.0	3.46e-04	-5.44e-04
4266	226	-8.74	14.49	-0.51	0.0	-2.20e-04	5.29e-04
4267	4	0.37	0.42	-0.85	0.0	9.58e-05	-1.11e-05
4267	44	0.32	-1.65	-0.69	0.0	8.57e-05	-1.01e-05
4267	52	0.37	-0.38	-0.83	0.0	9.58e-05	-1.18e-05

4267	68	0.26	0.26	-0.60	0.0	6.81e-05	-8.08e-06
4267	88	0.23	-1.11	-0.49	0.0	6.14e-05	-7.42e-06
4267	92	0.26	-0.27	-0.58	0.0	6.81e-05	-8.54e-06
4267	98	0.22	-0.22	-0.49	0.0	5.77e-05	-7.47e-06
4267	105	0.21	-0.39	-0.46	0.0	5.55e-05	-7.17e-06
4267	107	0.21	-0.21	-0.46	0.0	5.55e-05	-7.27e-06
4267	112	11.34	-3.78	-0.56	0.0	6.91e-04	-5.66e-04
4267	129	6.42	-10.44	-0.30	0.0	4.24e-04	-3.66e-04
4267	130	-6.00	10.01	-0.62	0.0	-3.13e-04	3.52e-04
4267	144	12.76	-4.24	-0.57	0.0	7.72e-04	-6.37e-04
4267	161	7.23	-11.73	-0.28	0.0	4.72e-04	-4.13e-04
4267	162	-6.81	11.30	-0.64	0.0	-3.61e-04	3.98e-04
4267	176	12.85	-4.21	-0.57	0.0	7.73e-04	-6.29e-04
4267	193	7.42	-11.72	-0.29	0.0	4.80e-04	-4.16e-04
4267	194	-7.00	11.29	-0.64	0.0	-3.69e-04	4.01e-04
4267	208	15.12	-4.91	-0.58	0.0	9.01e-04	-7.34e-04
4267	225	8.85	-13.73	-0.26	0.0	5.61e-04	-4.94e-04
4267	226	-8.43	13.30	-0.67	0.0	-4.50e-04	4.80e-04
4268	4	0.42	0.40	-0.87	0.0	9.82e-05	-1.69e-05
4268	44	0.37	-1.74	-0.70	0.0	8.80e-05	-1.59e-05
4268	52	0.42	-0.43	-0.84	0.0	9.83e-05	-1.78e-05
4268	68	0.29	0.25	-0.61	0.0	6.99e-05	-1.23e-05
4268	88	0.26	-1.18	-0.50	0.0	6.31e-05	-1.17e-05
4268	92	0.30	-0.30	-0.59	0.0	6.99e-05	-1.29e-05
4268	98	0.25	-0.25	-0.49	0.0	5.93e-05	-1.15e-05
4268	105	0.24	-0.43	-0.47	0.0	5.71e-05	-1.11e-05
4268	107	0.24	-0.24	-0.47	0.0	5.71e-05	-1.12e-05
4268	112	11.69	-3.87	-0.57	0.0	6.32e-04	-5.91e-04
4268	129	6.63	-10.80	-0.31	0.0	3.85e-04	-3.87e-04
4268	130	-6.15	10.31	-0.64	0.0	-2.71e-04	3.65e-04
4268	144	13.15	-4.34	-0.58	0.0	7.05e-04	-6.65e-04
4268	161	7.47	-12.14	-0.29	0.0	4.27e-04	-4.36e-04
4268	162	-6.99	11.65	-0.66	0.0	-3.13e-04	4.14e-04
4268	176	13.24	-4.31	-0.58	0.0	7.06e-04	-6.57e-04
4268	193	7.66	-12.12	-0.29	0.0	4.34e-04	-4.39e-04
4268	194	-7.18	11.63	-0.65	0.0	-3.20e-04	4.17e-04
4268	208	15.58	-5.01	-0.59	0.0	8.22e-04	-7.66e-04
4268	225	9.13	-14.20	-0.26	0.0	5.07e-04	-5.21e-04
4268	226	-8.65	13.71	-0.68	0.0	-3.93e-04	4.98e-04
4269	4	0.47	0.38	-0.88	0.0	1.03e-04	-1.98e-05
4269	44	0.42	-1.83	-0.71	0.0	9.22e-05	-1.88e-05
4269	52	0.48	-0.47	-0.85	0.0	1.03e-04	-2.07e-05
4269	68	0.33	0.23	-0.62	0.0	7.30e-05	-1.45e-05
4269	88	0.30	-1.24	-0.51	0.0	6.61e-05	-1.39e-05
4269	92	0.34	-0.34	-0.60	0.0	7.32e-05	-1.51e-05
4269	98	0.28	-0.28	-0.50	0.0	6.22e-05	-1.36e-05
4269	105	0.27	-0.46	-0.47	0.0	5.99e-05	-1.32e-05
4269	107	0.27	-0.27	-0.48	0.0	5.99e-05	-1.33e-05
4269	112	12.00	-3.96	-0.58	0.0	5.50e-04	-6.10e-04
4269	129	6.81	-11.15	-0.31	0.0	3.30e-04	-4.02e-04
4269	130	-6.28	10.61	-0.65	0.0	-2.10e-04	3.76e-04
4269	144	13.50	-4.43	-0.59	0.0	6.12e-04	-6.86e-04
4269	161	7.67	-12.53	-0.29	0.0	3.65e-04	-4.53e-04
4269	162	-7.13	11.99	-0.67	0.0	-2.46e-04	4.26e-04
4269	176	13.59	-4.40	-0.59	0.0	6.13e-04	-6.77e-04
4269	193	7.87	-12.51	-0.29	0.0	3.71e-04	-4.55e-04
4269	194	-7.33	11.97	-0.67	0.0	-2.51e-04	4.29e-04
4269	208	15.98	-5.11	-0.60	0.0	7.11e-04	-7.89e-04
4269	225	9.38	-14.65	-0.26	0.0	4.31e-04	-5.40e-04
4269	226	-8.84	14.10	-0.70	0.0	-3.11e-04	5.13e-04
4270	4	0.53	0.36	-0.89	0.0	1.08e-04	-1.97e-05
4270	44	0.47	-1.92	-0.72	0.0	9.72e-05	-1.90e-05
4270	52	0.53	-0.52	-0.86	0.0	1.08e-04	-2.07e-05
4270	68	0.37	0.22	-0.62	0.0	7.68e-05	-1.45e-05
4270	88	0.33	-1.30	-0.51	0.0	6.97e-05	-1.40e-05
4270	92	0.38	-0.37	-0.61	0.0	7.70e-05	-1.52e-05
4270	98	0.31	-0.31	-0.51	0.0	6.57e-05	-1.38e-05
4270	105	0.30	-0.50	-0.48	0.0	6.33e-05	-1.35e-05
4270	107	0.30	-0.30	-0.48	0.0	6.33e-05	-1.35e-05
4270	112	12.26	-4.05	-0.59	0.0	4.60e-04	-6.22e-04
4270	129	6.97	-11.50	-0.31	0.0	2.71e-04	-4.10e-04
4270	130	-6.37	10.90	-0.66	0.0	-1.45e-04	3.83e-04
4270	144	13.79	-4.53	-0.60	0.0	5.11e-04	-6.99e-04
4270	161	7.84	-12.92	-0.29	0.0	2.98e-04	-4.61e-04
4270	162	-7.24	12.32	-0.68	0.0	-1.72e-04	4.34e-04

4270	176	13.88	-4.49	-0.59	0.0	5.11e-04	-6.89e-04
4270	193	8.05	-12.89	-0.29	0.0	3.03e-04	-4.64e-04
4270	194	-7.44	12.29	-0.67	0.0	-1.76e-04	4.37e-04
4270	208	16.32	-5.21	-0.61	0.0	5.91e-04	-8.03e-04
4270	225	9.58	-15.09	-0.26	0.0	3.49e-04	-5.50e-04
4270	226	-8.98	14.49	-0.71	0.0	-2.23e-04	5.23e-04
4271	4	0.38	0.42	-0.99	0.0	1.06e-04	-1.91e-05
4271	44	0.33	-1.65	-0.77	0.0	9.54e-05	-1.75e-05
4271	52	0.38	-0.37	-0.95	0.0	1.06e-04	-1.98e-05
4271	68	0.26	0.27	-0.70	0.0	7.53e-05	-1.39e-05
4271	88	0.24	-1.11	-0.55	0.0	6.85e-05	-1.28e-05
4271	92	0.27	-0.27	-0.67	0.0	7.55e-05	-1.44e-05
4271	98	0.22	-0.22	-0.56	0.0	6.44e-05	-1.27e-05
4271	105	0.21	-0.39	-0.53	0.0	6.21e-05	-1.23e-05
4271	107	0.21	-0.21	-0.53	0.0	6.21e-05	-1.24e-05
4271	112	11.61	-3.78	-0.72	0.0	7.21e-04	-5.73e-04
4271	129	6.57	-10.44	-0.21	0.0	4.44e-04	-3.72e-04
4271	130	-6.15	10.01	-0.85	0.0	-3.19e-04	3.47e-04
4271	144	13.07	-4.24	-0.75	0.0	8.04e-04	-6.44e-04
4271	161	7.41	-11.73	-0.17	0.0	4.93e-04	-4.18e-04
4271	162	-6.98	11.30	-0.89	0.0	-3.69e-04	3.94e-04
4271	176	13.16	-4.21	-0.74	0.0	8.06e-04	-6.37e-04
4271	193	7.61	-11.72	-0.18	0.0	5.02e-04	-4.21e-04
4271	194	-7.18	11.29	-0.89	0.0	-3.78e-04	3.96e-04
4271	208	15.49	-4.91	-0.77	0.0	9.39e-04	-7.43e-04
4271	225	9.08	-13.73	-0.12	0.0	5.87e-04	-4.99e-04
4271	226	-8.65	13.30	-0.95	0.0	-4.63e-04	4.75e-04
4272	4	0.43	0.40	-1.01	0.0	1.04e-04	-3.11e-05
4272	44	0.38	-1.74	-0.78	0.0	9.43e-05	-2.93e-05
4272	52	0.44	-0.43	-0.97	0.0	1.05e-04	-3.21e-05
4272	68	0.30	0.25	-0.71	0.0	7.45e-05	-2.27e-05
4272	88	0.27	-1.18	-0.56	0.0	6.77e-05	-2.15e-05
4272	92	0.31	-0.30	-0.68	0.0	7.46e-05	-2.33e-05
4272	98	0.26	-0.25	-0.57	0.0	6.37e-05	-2.09e-05
4272	105	0.25	-0.43	-0.53	0.0	6.14e-05	-2.03e-05
4272	107	0.25	-0.24	-0.54	0.0	6.14e-05	-2.03e-05
4272	112	11.98	-3.87	-0.74	0.0	6.52e-04	-6.09e-04
4272	129	6.80	-10.80	-0.21	0.0	3.98e-04	-4.00e-04
4272	130	-6.30	10.31	-0.87	0.0	-2.75e-04	3.59e-04
4272	144	13.47	-4.34	-0.76	0.0	7.27e-04	-6.84e-04
4272	161	7.66	-12.14	-0.17	0.0	4.42e-04	-4.49e-04
4272	162	-7.16	11.65	-0.91	0.0	-3.19e-04	4.08e-04
4272	176	13.57	-4.31	-0.75	0.0	7.29e-04	-6.75e-04
4272	193	7.86	-12.12	-0.18	0.0	4.49e-04	-4.52e-04
4272	194	-7.37	11.63	-0.91	0.0	-3.26e-04	4.11e-04
4272	208	15.96	-5.01	-0.78	0.0	8.48e-04	-7.87e-04
4272	225	9.37	-14.20	-0.11	0.0	5.25e-04	-5.34e-04
4272	226	-8.88	13.71	-0.97	0.0	-4.02e-04	4.94e-04
4273	4	0.48	0.38	-1.02	0.0	1.05e-04	-3.71e-05
4273	44	0.43	-1.83	-0.79	0.0	9.43e-05	-3.53e-05
4273	52	0.49	-0.47	-0.98	0.0	1.05e-04	-3.82e-05
4273	68	0.34	0.23	-0.72	0.0	7.45e-05	-2.71e-05
4273	88	0.31	-1.24	-0.56	0.0	6.77e-05	-2.59e-05
4273	92	0.35	-0.34	-0.69	0.0	7.47e-05	-2.78e-05
4273	98	0.29	-0.28	-0.58	0.0	6.38e-05	-2.50e-05
4273	105	0.28	-0.46	-0.54	0.0	6.15e-05	-2.44e-05
4273	107	0.28	-0.27	-0.55	0.0	6.15e-05	-2.44e-05
4273	112	12.29	-3.96	-0.75	0.0	5.61e-04	-6.33e-04
4273	129	6.99	-11.15	-0.21	0.0	3.37e-04	-4.18e-04
4273	130	-6.43	10.61	-0.89	0.0	-2.14e-04	3.69e-04
4273	144	13.82	-4.43	-0.77	0.0	6.25e-04	-7.10e-04
4273	161	7.87	-12.53	-0.17	0.0	3.73e-04	-4.69e-04
4273	162	-7.31	11.99	-0.93	0.0	-2.50e-04	4.20e-04
4273	176	13.92	-4.40	-0.76	0.0	6.26e-04	-7.02e-04
4273	193	8.08	-12.51	-0.17	0.0	3.79e-04	-4.72e-04
4273	194	-7.52	11.97	-0.93	0.0	-2.56e-04	4.23e-04
4273	208	16.38	-5.11	-0.80	0.0	7.27e-04	-8.16e-04
4273	225	9.63	-14.65	-0.11	0.0	4.41e-04	-5.58e-04
4273	226	-9.07	14.10	-0.99	0.0	-3.18e-04	5.09e-04
4274	4	0.54	0.36	-1.03	0.0	1.06e-04	-3.67e-05
4274	44	0.48	-1.92	-0.80	0.0	9.54e-05	-3.52e-05
4274	52	0.55	-0.52	-0.99	0.0	1.06e-04	-3.79e-05
4274	68	0.38	0.22	-0.72	0.0	7.54e-05	-2.69e-05
4274	88	0.34	-1.30	-0.57	0.0	6.85e-05	-2.58e-05
4274	92	0.39	-0.37	-0.70	0.0	7.56e-05	-2.77e-05

4274	98	0.32	-0.31	-0.58	0.0	6.46e-05	-2.50e-05
4274	105	0.31	-0.50	-0.55	0.0	6.22e-05	-2.44e-05
4274	107	0.31	-0.30	-0.56	0.0	6.22e-05	-2.44e-05
4274	112	12.56	-4.05	-0.76	0.0	4.63e-04	-6.45e-04
4274	129	7.14	-11.50	-0.21	0.0	2.72e-04	-4.26e-04
4274	130	-6.52	10.90	-0.90	0.0	-1.47e-04	3.77e-04
4274	144	14.12	-4.53	-0.78	0.0	5.14e-04	-7.23e-04
4274	161	8.04	-12.92	-0.17	0.0	2.99e-04	-4.78e-04
4274	162	-7.42	12.32	-0.94	0.0	-1.75e-04	4.29e-04
4274	176	14.22	-4.49	-0.77	0.0	5.14e-04	-7.14e-04
4274	193	8.25	-12.89	-0.17	0.0	3.04e-04	-4.81e-04
4274	194	-7.63	12.29	-0.94	0.0	-1.79e-04	4.32e-04
4274	208	16.72	-5.21	-0.81	0.0	5.95e-04	-8.31e-04
4274	225	9.83	-15.09	-0.11	0.0	3.51e-04	-5.68e-04
4274	226	-9.21	14.49	-1.00	0.0	-2.27e-04	5.19e-04
4275	4	0.39	0.42	-1.19	0.0	1.25e-04	-3.08e-05
4275	44	0.34	-1.65	-0.88	0.0	1.15e-04	-2.86e-05
4275	52	0.40	-0.37	-1.12	0.0	1.26e-04	-3.16e-05
4275	68	0.28	0.27	-0.83	0.0	8.95e-05	-2.24e-05
4275	88	0.25	-1.11	-0.63	0.0	8.25e-05	-2.09e-05
4275	92	0.28	-0.26	-0.79	0.0	9.00e-05	-2.29e-05
4275	98	0.23	-0.22	-0.66	0.0	7.75e-05	-2.04e-05
4275	105	0.22	-0.39	-0.62	0.0	7.50e-05	-1.98e-05
4275	107	0.22	-0.21	-0.63	0.0	7.49e-05	-1.98e-05
4275	112	11.89	-3.78	-0.97	0.0	7.66e-04	-5.90e-04
4275	129	6.74	-10.43	-0.06	0.0	4.73e-04	-3.83e-04
4275	130	-6.29	10.01	-1.21	0.0	-3.24e-04	3.43e-04
4275	144	13.38	-4.24	-1.01	0.0	8.54e-04	-6.62e-04
4275	161	7.60	-11.73	0.02	0.0	5.25e-04	-4.30e-04
4275	162	-7.15	11.30	-1.28	0.0	-3.76e-04	3.90e-04
4275	176	13.48	-4.21	-1.00	0.0	8.57e-04	-6.55e-04
4275	193	7.81	-11.72	8.76e-03	0.0	5.35e-04	-4.33e-04
4275	194	-7.36	11.29	-1.28	0.0	-3.86e-04	3.93e-04
4275	208	15.87	-4.90	-1.05	0.0	9.97e-04	-7.63e-04
4275	225	9.32	-13.73	0.12	0.0	6.26e-04	-5.12e-04
4275	226	-8.87	13.30	-1.38	0.0	-4.76e-04	4.73e-04
4276	4	0.45	0.40	-1.20	0.0	1.17e-04	-5.25e-05
4276	44	0.40	-1.74	-0.89	0.0	1.06e-04	-4.97e-05
4276	52	0.46	-0.43	-1.14	0.0	1.17e-04	-5.38e-05
4276	68	0.32	0.25	-0.84	0.0	8.35e-05	-3.82e-05
4276	88	0.29	-1.18	-0.64	0.0	7.66e-05	-3.63e-05
4276	92	0.33	-0.30	-0.80	0.0	8.39e-05	-3.90e-05
4276	98	0.27	-0.25	-0.67	0.0	7.21e-05	-3.49e-05
4276	105	0.26	-0.43	-0.63	0.0	6.97e-05	-3.40e-05
4276	107	0.26	-0.24	-0.64	0.0	6.96e-05	-3.40e-05
4276	112	12.28	-3.87	-0.98	0.0	6.84e-04	-6.42e-04
4276	129	6.98	-10.80	-0.05	0.0	4.18e-04	-4.22e-04
4276	130	-6.45	10.31	-1.23	0.0	-2.79e-04	3.54e-04
4276	144	13.81	-4.34	-1.03	0.0	7.62e-04	-7.19e-04
4276	161	7.86	-12.14	0.02	0.0	4.64e-04	-4.72e-04
4276	162	-7.34	11.65	-1.31	0.0	-3.25e-04	4.04e-04
4276	176	13.91	-4.30	-1.01	0.0	7.64e-04	-7.12e-04
4276	193	8.08	-12.12	0.01	0.0	4.72e-04	-4.76e-04
4276	194	-7.55	11.63	-1.30	0.0	-3.33e-04	4.08e-04
4276	208	16.37	-5.01	-1.07	0.0	8.88e-04	-8.27e-04
4276	225	9.63	-14.20	0.12	0.0	5.51e-04	-5.60e-04
4276	226	-9.11	13.71	-1.41	0.0	-4.12e-04	4.92e-04
4277	4	0.51	0.38	-1.21	0.0	1.08e-04	-6.40e-05
4277	44	0.46	-1.83	-0.90	0.0	9.83e-05	-6.10e-05
4277	52	0.52	-0.47	-1.15	0.0	1.09e-04	-6.55e-05
4277	68	0.36	0.23	-0.85	0.0	7.73e-05	-4.66e-05
4277	88	0.33	-1.24	-0.65	0.0	7.06e-05	-4.46e-05
4277	92	0.37	-0.34	-0.81	0.0	7.76e-05	-4.76e-05
4277	98	0.31	-0.28	-0.68	0.0	6.65e-05	-4.27e-05
4277	105	0.30	-0.46	-0.63	0.0	6.42e-05	-4.17e-05
4277	107	0.30	-0.27	-0.65	0.0	6.42e-05	-4.16e-05
4277	112	12.61	-3.96	-1.00	0.0	5.77e-04	-6.75e-04
4277	129	7.18	-11.15	-0.05	0.0	3.46e-04	-4.46e-04
4277	130	-6.58	10.61	-1.25	0.0	-2.18e-04	3.63e-04
4277	144	14.18	-4.43	-1.04	0.0	6.42e-04	-7.55e-04
4277	161	8.08	-12.53	0.03	0.0	3.83e-04	-4.98e-04
4277	162	-7.49	11.99	-1.32	0.0	-2.55e-04	4.15e-04
4277	176	14.28	-4.40	-1.02	0.0	6.43e-04	-7.47e-04
4277	193	8.30	-12.51	0.02	0.0	3.90e-04	-5.02e-04
4277	194	-7.71	11.97	-1.32	0.0	-2.62e-04	4.19e-04

4277	208	16.80	-5.11	-1.08	0.0	7.47e-04	-8.67e-04
4277	225	9.89	-14.65	0.13	0.0	4.54e-04	-5.90e-04
4277	226	-9.30	14.10	-1.43	0.0	-3.26e-04	5.07e-04
4278	4	0.57	0.36	-1.22	0.0	1.01e-04	-6.36e-05
4278	44	0.51	-1.92	-0.91	0.0	9.12e-05	-6.09e-05
4278	52	0.58	-0.52	-1.16	0.0	1.01e-04	-6.51e-05
4278	68	0.40	0.22	-0.86	0.0	7.20e-05	-4.63e-05
4278	88	0.36	-1.30	-0.65	0.0	6.55e-05	-4.46e-05
4278	92	0.41	-0.37	-0.82	0.0	7.22e-05	-4.74e-05
4278	98	0.34	-0.31	-0.69	0.0	6.17e-05	-4.27e-05
4278	105	0.33	-0.50	-0.64	0.0	5.95e-05	-4.17e-05
4278	107	0.33	-0.30	-0.65	0.0	5.95e-05	-4.16e-05
4278	112	12.88	-4.05	-1.01	0.0	4.62e-04	-6.86e-04
4278	129	7.34	-11.50	-0.05	0.0	2.70e-04	-4.54e-04
4278	130	-6.68	10.90	-1.26	0.0	-1.51e-04	3.71e-04
4278	144	14.48	-4.53	-1.05	0.0	5.13e-04	-7.68e-04
4278	161	8.26	-12.92	0.03	0.0	2.97e-04	-5.07e-04
4278	162	-7.60	12.32	-1.34	0.0	-1.78e-04	4.24e-04
4278	176	14.58	-4.49	-1.03	0.0	5.14e-04	-7.59e-04
4278	193	8.48	-12.89	0.02	0.0	3.02e-04	-5.11e-04
4278	194	-7.82	12.29	-1.33	0.0	-1.83e-04	4.28e-04
4278	208	17.15	-5.21	-1.09	0.0	5.95e-04	-8.81e-04
4278	225	10.10	-15.09	0.14	0.0	3.50e-04	-6.01e-04
4278	226	-9.44	14.49	-1.44	0.0	-2.31e-04	5.17e-04
4279	4	0.41	0.42	-1.44	0.0	1.58e-04	-4.39e-05
4279	44	0.37	-1.64	-1.03	0.0	1.46e-04	-4.07e-05
4279	52	0.42	-0.37	-1.35	0.0	1.59e-04	-4.47e-05
4279	68	0.29	0.27	-1.01	0.0	1.14e-04	-3.19e-05
4279	88	0.26	-1.11	-0.74	0.0	1.06e-04	-2.97e-05
4279	92	0.30	-0.26	-0.95	0.0	1.14e-04	-3.24e-05
4279	98	0.25	-0.22	-0.80	0.0	9.95e-05	-2.89e-05
4279	105	0.24	-0.39	-0.74	0.0	9.65e-05	-2.81e-05
4279	107	0.24	-0.21	-0.76	0.0	9.62e-05	-2.81e-05
4279	112	12.19	-3.78	-1.31	0.0	8.34e-04	-6.12e-04
4279	129	6.92	-10.43	0.19	0.0	5.18e-04	-3.97e-04
4279	130	-6.44	10.01	-1.72	0.0	-3.26e-04	3.41e-04
4279	144	13.71	-4.24	-1.38	0.0	9.28e-04	-6.86e-04
4279	161	7.80	-11.73	0.31	0.0	5.73e-04	-4.45e-04
4279	162	-7.32	11.30	-1.84	0.0	-3.81e-04	3.89e-04
4279	176	13.82	-4.21	-1.35	0.0	9.31e-04	-6.78e-04
4279	193	8.02	-11.71	0.30	0.0	5.85e-04	-4.48e-04
4279	194	-7.54	11.29	-1.83	0.0	-3.92e-04	3.92e-04
4279	216	16.32	-5.73	-0.53	0.0	1.10e-03	-8.69e-04
4279	225	9.57	-13.73	0.47	0.0	6.81e-04	-5.29e-04
4279	226	-9.09	13.30	-2.00	0.0	-4.89e-04	4.73e-04
4280	4	0.49	0.40	-1.45	0.0	1.39e-04	-7.96e-05
4280	44	0.44	-1.74	-1.04	0.0	1.28e-04	-7.55e-05
4280	52	0.50	-0.42	-1.36	0.0	1.40e-04	-8.11e-05
4280	68	0.35	0.25	-1.02	0.0	9.97e-05	-5.79e-05
4280	88	0.31	-1.18	-0.74	0.0	9.25e-05	-5.51e-05
4280	92	0.35	-0.30	-0.96	0.0	1.00e-04	-5.89e-05
4280	98	0.30	-0.25	-0.81	0.0	8.70e-05	-5.28e-05
4280	105	0.29	-0.42	-0.75	0.0	8.43e-05	-5.14e-05
4280	107	0.29	-0.24	-0.77	0.0	8.41e-05	-5.13e-05
4280	112	12.61	-3.87	-1.32	0.0	7.33e-04	-6.89e-04
4280	129	7.18	-10.80	0.19	0.0	4.50e-04	-4.53e-04
4280	130	-6.61	10.31	-1.73	0.0	-2.82e-04	3.51e-04
4280	144	14.18	-4.34	-1.39	0.0	8.15e-04	-7.70e-04
4280	161	8.08	-12.14	0.31	0.0	4.98e-04	-5.05e-04
4280	162	-7.51	11.65	-1.85	0.0	-3.29e-04	4.03e-04
4280	176	14.28	-4.30	-1.36	0.0	8.18e-04	-7.63e-04
4280	193	8.31	-12.12	0.30	0.0	5.07e-04	-5.09e-04
4280	194	-7.74	11.63	-1.84	0.0	-3.39e-04	4.07e-04
4280	216	16.87	-5.86	-0.54	0.0	9.50e-04	-9.66e-04
4280	225	9.91	-14.20	0.48	0.0	5.91e-04	-5.98e-04
4280	226	-9.34	13.71	-2.02	0.0	-4.23e-04	4.95e-04
4281	4	0.56	0.38	-1.46	0.0	1.15e-04	-1.01e-04
4281	44	0.50	-1.83	-1.04	0.0	1.05e-04	-9.67e-05
4281	52	0.57	-0.47	-1.36	0.0	1.16e-04	-1.03e-04
4281	68	0.40	0.23	-1.02	0.0	8.25e-05	-7.36e-05
4281	88	0.36	-1.24	-0.75	0.0	7.59e-05	-7.06e-05
4281	92	0.40	-0.34	-0.96	0.0	8.30e-05	-7.49e-05
4281	98	0.34	-0.28	-0.81	0.0	7.15e-05	-6.72e-05
4281	105	0.33	-0.46	-0.75	0.0	6.91e-05	-6.57e-05
4281	107	0.33	-0.27	-0.77	0.0	6.90e-05	-6.54e-05

4281	112	12.96	-3.96	-1.33	0.0	5.98e-04	-7.38e-04
4281	129	7.39	-11.16	0.20	0.0	3.59e-04	-4.88e-04
4281	130	-6.74	10.61	-1.74	0.0	-2.22e-04	3.58e-04
4281	144	14.57	-4.43	-1.39	0.0	6.65e-04	-8.23e-04
4281	161	8.32	-12.53	0.32	0.0	3.97e-04	-5.43e-04
4281	162	-7.66	11.99	-1.87	0.0	-2.59e-04	4.12e-04
4281	176	14.68	-4.40	-1.37	0.0	6.67e-04	-8.15e-04
4281	193	8.55	-12.51	0.30	0.0	4.05e-04	-5.48e-04
4281	194	-7.90	11.97	-1.85	0.0	-2.67e-04	4.17e-04
4281	216	17.32	-5.98	-0.54	0.0	7.51e-04	-1.03e-03
4281	225	10.19	-14.65	0.48	0.0	4.71e-04	-6.41e-04
4281	226	-9.54	14.10	-2.03	0.0	-3.33e-04	5.10e-04
4282	4	0.61	0.36	-1.47	0.0	9.26e-05	-1.02e-04
4282	44	0.55	-1.92	-1.05	0.0	8.35e-05	-9.84e-05
4282	52	0.62	-0.52	-1.37	0.0	9.29e-05	-1.05e-04
4282	68	0.44	0.22	-1.03	0.0	6.60e-05	-7.46e-05
4282	88	0.39	-1.31	-0.75	0.0	6.00e-05	-7.19e-05
4282	92	0.44	-0.37	-0.97	0.0	6.62e-05	-7.61e-05
4282	98	0.37	-0.31	-0.81	0.0	5.65e-05	-6.83e-05
4282	105	0.36	-0.50	-0.76	0.0	5.44e-05	-6.68e-05
4282	107	0.36	-0.30	-0.78	0.0	5.44e-05	-6.65e-05
4282	112	13.23	-4.05	-1.33	0.0	4.55e-04	-7.49e-04
4282	129	7.55	-11.50	0.20	0.0	2.65e-04	-4.97e-04
4282	130	-6.83	10.90	-1.75	0.0	-1.56e-04	3.63e-04
4282	144	14.87	-4.53	-1.40	0.0	5.06e-04	-8.35e-04
4282	161	8.50	-12.92	0.32	0.0	2.92e-04	-5.52e-04
4282	162	-7.78	12.32	-1.88	0.0	-1.83e-04	4.19e-04
4282	176	14.98	-4.49	-1.37	0.0	5.07e-04	-8.27e-04
4282	193	8.73	-12.90	0.31	0.0	2.97e-04	-5.57e-04
4282	194	-8.01	12.29	-1.86	0.0	-1.88e-04	4.24e-04
4282	216	17.66	-6.11	-0.55	0.0	5.41e-04	-1.04e-03
4282	225	10.40	-15.09	0.49	0.0	3.45e-04	-6.51e-04
4282	226	-9.68	14.49	-2.04	0.0	-2.36e-04	5.18e-04
4283	28	0.53	-1.47	-1.02	0.0	9.87e-05	-7.99e-06
4283	44	0.46	-2.00	-0.95	0.0	8.93e-05	-9.38e-06
4283	52	0.53	-0.57	-0.97	0.0	9.92e-05	-7.42e-06
4283	80	0.37	-1.00	-0.72	0.0	7.02e-05	-5.86e-06
4283	88	0.33	-1.36	-0.67	0.0	6.39e-05	-6.78e-06
4283	92	0.38	-0.40	-0.69	0.0	7.05e-05	-5.47e-06
4283	98	0.31	-0.34	-0.57	0.0	5.86e-05	-3.62e-06
4283	105	0.30	-0.53	-0.56	0.0	5.65e-05	-3.97e-06
4283	107	0.30	-0.33	-0.55	0.0	5.66e-05	-3.85e-06
4283	112	10.44	-4.13	-0.29	0.0	4.33e-04	-6.43e-04
4283	129	5.93	-11.82	-0.99	0.0	2.62e-04	-3.93e-04
4283	144	11.72	-4.61	-0.26	0.0	4.80e-04	-7.24e-04
4283	161	6.66	-13.28	-1.05	0.0	2.88e-04	-4.43e-04
4283	176	11.76	-4.57	-0.27	0.0	4.77e-04	-7.19e-04
4283	193	6.78	-13.25	-1.04	0.0	2.89e-04	-4.48e-04
4283	208	13.78	-5.30	-0.23	0.0	5.50e-04	-8.43e-04
4283	225	8.02	-15.50	-1.12	0.0	3.32e-04	-5.35e-04
4284	28	0.54	-1.47	-0.90	0.0	1.06e-04	-1.69e-05
4284	44	0.47	-2.00	-0.82	0.0	9.60e-05	-1.73e-05
4284	52	0.54	-0.57	-0.87	0.0	1.07e-04	-1.68e-05
4284	80	0.38	-1.00	-0.63	0.0	7.54e-05	-1.23e-05
4284	88	0.34	-1.36	-0.58	0.0	6.86e-05	-1.26e-05
4284	92	0.38	-0.40	-0.61	0.0	7.56e-05	-1.22e-05
4284	98	0.32	-0.34	-0.51	0.0	6.28e-05	-9.43e-06
4284	105	0.31	-0.53	-0.49	0.0	6.05e-05	-9.52e-06
4284	107	0.31	-0.33	-0.49	0.0	6.06e-05	-9.50e-06
4284	112	10.74	-4.13	-0.34	0.0	4.22e-04	-6.67e-04
4284	129	6.11	-11.82	-0.73	0.0	2.47e-04	-4.16e-04
4284	144	12.07	-4.61	-0.33	0.0	4.68e-04	-7.50e-04
4284	161	6.86	-13.28	-0.76	0.0	2.71e-04	-4.68e-04
4284	176	12.11	-4.57	-0.33	0.0	4.66e-04	-7.45e-04
4284	193	6.99	-13.25	-0.75	0.0	2.74e-04	-4.74e-04
4284	208	14.20	-5.30	-0.31	0.0	5.37e-04	-8.72e-04
4284	225	8.28	-15.50	-0.80	0.0	3.14e-04	-5.65e-04
4285	28	0.58	-1.53	-1.03	0.0	1.19e-04	-1.80e-05
4285	44	0.51	-2.08	-0.96	0.0	1.09e-04	-1.89e-05
4285	52	0.59	-0.61	-0.99	0.0	1.19e-04	-1.69e-05
4285	80	0.41	-1.05	-0.73	0.0	8.39e-05	-1.26e-05
4285	88	0.36	-1.41	-0.68	0.0	7.73e-05	-1.32e-05
4285	92	0.41	-0.43	-0.70	0.0	8.40e-05	-1.19e-05
4285	98	0.35	-0.37	-0.58	0.0	6.76e-05	-7.74e-06
4285	105	0.33	-0.56	-0.57	0.0	6.54e-05	-8.02e-06

4285	107	0.33	-0.35	-0.56	0.0	6.55e-05	-7.77e-06
4285	112	10.65	-4.20	-0.29	0.0	4.49e-04	-6.61e-04
4285	129	6.06	-12.14	-1.00	0.0	2.69e-04	-4.11e-04
4285	144	11.96	-4.70	-0.26	0.0	4.98e-04	-7.43e-04
4285	161	6.80	-13.63	-1.06	0.0	2.95e-04	-4.64e-04
4285	176	11.99	-4.65	-0.28	0.0	4.95e-04	-7.38e-04
4285	193	6.92	-13.60	-1.05	0.0	2.96e-04	-4.69e-04
4285	208	14.06	-5.39	-0.24	0.0	5.69e-04	-8.63e-04
4285	225	8.18	-15.91	-1.13	0.0	3.39e-04	-5.59e-04
4286	28	0.60	-1.54	-0.91	0.0	1.17e-04	-2.07e-05
4286	44	0.53	-2.09	-0.83	0.0	1.07e-04	-2.05e-05
4286	52	0.60	-0.61	-0.88	0.0	1.18e-04	-2.05e-05
4286	80	0.42	-1.05	-0.64	0.0	8.32e-05	-1.49e-05
4286	88	0.37	-1.42	-0.59	0.0	7.61e-05	-1.48e-05
4286	92	0.42	-0.43	-0.62	0.0	8.34e-05	-1.48e-05
4286	98	0.35	-0.37	-0.51	0.0	6.86e-05	-1.18e-05
4286	105	0.34	-0.56	-0.50	0.0	6.62e-05	-1.17e-05
4286	107	0.34	-0.35	-0.49	0.0	6.63e-05	-1.17e-05
4286	112	10.94	-4.20	-0.35	0.0	3.34e-04	-6.60e-04
4286	129	6.22	-12.14	-0.74	0.0	2.34e-04	-4.18e-04
4286	144	12.29	-4.70	-0.33	0.0	3.67e-04	-7.42e-04
4286	161	6.99	-13.63	-0.77	0.0	2.56e-04	-4.70e-04
4286	176	12.33	-4.65	-0.34	0.0	3.66e-04	-7.35e-04
4286	193	7.12	-13.60	-0.76	0.0	2.58e-04	-4.75e-04
4286	208	14.46	-5.39	-0.31	0.0	4.18e-04	-8.58e-04
4286	225	8.42	-15.91	-0.81	0.0	2.95e-04	-5.65e-04
4287	28	0.65	-1.63	-1.06	0.0	1.33e-04	-1.14e-05
4287	44	0.58	-2.19	-0.99	0.0	1.23e-04	-1.08e-05
4287	52	0.66	-0.69	-1.01	0.0	1.33e-04	-1.17e-05
4287	80	0.46	-1.12	-0.75	0.0	9.43e-05	-8.69e-06
4287	88	0.41	-1.49	-0.70	0.0	8.75e-05	-8.30e-06
4287	92	0.46	-0.49	-0.72	0.0	9.40e-05	-8.88e-06
4287	98	0.38	-0.41	-0.59	0.0	7.43e-05	-8.93e-06
4287	105	0.37	-0.61	-0.58	0.0	7.21e-05	-8.78e-06
4287	107	0.37	-0.40	-0.57	0.0	7.20e-05	-8.84e-06
4287	112	10.88	-4.29	-0.31	0.0	4.63e-04	-6.37e-04
4287	129	6.20	-12.46	-1.02	0.0	2.77e-04	-4.11e-04
4287	144	12.22	-4.79	-0.28	0.0	5.12e-04	-7.16e-04
4287	161	6.95	-13.99	-1.07	0.0	3.03e-04	-4.63e-04
4287	176	12.25	-4.74	-0.29	0.0	5.10e-04	-7.06e-04
4287	193	7.07	-13.96	-1.06	0.0	3.04e-04	-4.66e-04
4287	208	14.35	-5.49	-0.25	0.0	5.85e-04	-8.24e-04
4287	225	8.35	-16.31	-1.15	0.0	3.48e-04	-5.53e-04
4288	28	0.66	-1.63	-0.93	0.0	1.24e-04	-1.63e-05
4288	44	0.58	-2.19	-0.85	0.0	1.13e-04	-1.56e-05
4288	52	0.66	-0.68	-0.90	0.0	1.24e-04	-1.65e-05
4288	80	0.47	-1.12	-0.65	0.0	8.79e-05	-1.21e-05
4288	88	0.41	-1.49	-0.60	0.0	8.06e-05	-1.16e-05
4288	92	0.47	-0.49	-0.63	0.0	8.81e-05	-1.22e-05
4288	98	0.39	-0.41	-0.52	0.0	7.21e-05	-1.12e-05
4288	105	0.37	-0.61	-0.51	0.0	6.96e-05	-1.10e-05
4288	107	0.37	-0.40	-0.50	0.0	6.97e-05	-1.11e-05
4288	112	11.13	-4.29	-0.36	0.0	3.28e-04	-6.38e-04
4288	129	6.34	-12.46	-0.75	0.0	2.30e-04	-4.12e-04
4288	144	12.50	-4.79	-0.34	0.0	3.60e-04	-7.17e-04
4288	161	7.11	-13.99	-0.78	0.0	2.51e-04	-4.64e-04
4288	176	12.54	-4.74	-0.34	0.0	3.59e-04	-7.07e-04
4288	193	7.24	-13.95	-0.77	0.0	2.53e-04	-4.67e-04
4288	208	14.70	-5.48	-0.32	0.0	4.09e-04	-8.24e-04
4288	225	8.56	-16.31	-0.82	0.0	2.89e-04	-5.53e-04
4289	28	0.55	-1.47	-0.82	0.0	1.09e-04	-1.58e-05
4289	44	0.49	-2.00	-0.74	0.0	9.83e-05	-1.59e-05
4289	52	0.56	-0.57	-0.80	0.0	1.09e-04	-1.61e-05
4289	80	0.39	-1.00	-0.58	0.0	7.75e-05	-1.16e-05
4289	88	0.34	-1.36	-0.53	0.0	7.03e-05	-1.17e-05
4289	92	0.39	-0.40	-0.56	0.0	7.77e-05	-1.18e-05
4289	98	0.33	-0.34	-0.47	0.0	6.49e-05	-9.60e-06
4289	105	0.31	-0.53	-0.45	0.0	6.25e-05	-9.59e-06
4289	107	0.31	-0.33	-0.45	0.0	6.25e-05	-9.65e-06
4289	112	11.04	-4.13	-0.37	0.0	4.04e-04	-6.61e-04
4289	129	6.28	-11.82	-0.58	0.0	2.35e-04	-4.20e-04
4289	144	12.41	-4.61	-0.36	0.0	4.47e-04	-7.44e-04
4289	161	7.05	-13.28	-0.59	0.0	2.57e-04	-4.73e-04
4289	176	12.46	-4.57	-0.36	0.0	4.45e-04	-7.37e-04
4289	193	7.19	-13.25	-0.59	0.0	2.60e-04	-4.79e-04

4289	208	14.62	-5.30	-0.35	0.0	5.12e-04	-8.62e-04
4289	225	8.53	-15.50	-0.61	0.0	2.98e-04	-5.69e-04
4290	28	0.61	-1.54	-0.83	0.0	1.15e-04	-1.67e-05
4290	44	0.54	-2.09	-0.75	0.0	1.04e-04	-1.63e-05
4290	52	0.61	-0.61	-0.81	0.0	1.16e-04	-1.69e-05
4290	80	0.43	-1.05	-0.58	0.0	8.18e-05	-1.23e-05
4290	88	0.38	-1.42	-0.53	0.0	7.45e-05	-1.20e-05
4290	92	0.43	-0.44	-0.57	0.0	8.21e-05	-1.24e-05
4290	98	0.36	-0.37	-0.47	0.0	6.85e-05	-1.06e-05
4290	105	0.34	-0.56	-0.46	0.0	6.60e-05	-1.05e-05
4290	107	0.35	-0.35	-0.45	0.0	6.61e-05	-1.06e-05
4290	112	11.23	-4.20	-0.37	0.0	3.06e-04	-6.51e-04
4290	129	6.38	-12.14	-0.58	0.0	2.11e-04	-4.17e-04
4290	144	12.61	-4.70	-0.36	0.0	3.36e-04	-7.33e-04
4290	161	7.17	-13.63	-0.60	0.0	2.30e-04	-4.70e-04
4290	176	12.66	-4.65	-0.37	0.0	3.35e-04	-7.24e-04
4290	193	7.31	-13.60	-0.60	0.0	2.33e-04	-4.74e-04
4290	208	14.86	-5.39	-0.36	0.0	3.82e-04	-8.46e-04
4290	225	8.66	-15.91	-0.62	0.0	2.65e-04	-5.63e-04
4291	28	0.67	-1.63	-0.85	0.0	1.18e-04	-1.43e-05
4291	44	0.59	-2.19	-0.77	0.0	1.07e-04	-1.37e-05
4291	52	0.67	-0.68	-0.83	0.0	1.19e-04	-1.46e-05
4291	80	0.47	-1.12	-0.60	0.0	8.41e-05	-1.07e-05
4291	88	0.42	-1.49	-0.55	0.0	7.66e-05	-1.03e-05
4291	92	0.47	-0.48	-0.58	0.0	8.44e-05	-1.09e-05
4291	98	0.40	-0.41	-0.48	0.0	7.04e-05	-1.02e-05
4291	105	0.38	-0.60	-0.46	0.0	6.78e-05	-1.00e-05
4291	107	0.38	-0.39	-0.46	0.0	6.79e-05	-1.01e-05
4291	112	11.40	-4.29	-0.38	0.0	2.95e-04	-6.37e-04
4291	129	6.48	-12.46	-0.59	0.0	2.03e-04	-4.11e-04
4291	144	12.80	-4.79	-0.37	0.0	3.23e-04	-7.16e-04
4291	161	7.27	-13.99	-0.61	0.0	2.21e-04	-4.63e-04
4291	176	12.85	-4.73	-0.38	0.0	3.22e-04	-7.06e-04
4291	193	7.42	-13.95	-0.61	0.0	2.24e-04	-4.66e-04
4291	208	15.07	-5.48	-0.37	0.0	3.66e-04	-8.24e-04
4291	225	8.78	-16.31	-0.63	0.0	2.54e-04	-5.53e-04
4292	28	0.56	-1.47	-0.77	0.0	1.11e-04	-1.21e-05
4292	44	0.49	-2.00	-0.69	0.0	9.93e-05	-1.21e-05
4292	52	0.56	-0.57	-0.76	0.0	1.11e-04	-1.25e-05
4292	80	0.40	-1.00	-0.54	0.0	7.86e-05	-9.04e-06
4292	88	0.35	-1.36	-0.49	0.0	7.11e-05	-9.04e-06
4292	92	0.40	-0.40	-0.54	0.0	7.87e-05	-9.34e-06
4292	98	0.33	-0.34	-0.44	0.0	6.62e-05	-7.97e-06
4292	105	0.32	-0.53	-0.43	0.0	6.37e-05	-7.93e-06
4292	107	0.32	-0.33	-0.42	0.0	6.37e-05	-8.03e-06
4292	112	11.34	-4.13	-0.39	0.0	3.89e-04	-6.48e-04
4292	129	6.44	-11.82	-0.49	0.0	2.26e-04	-4.17e-04
4292	144	12.74	-4.61	-0.38	0.0	4.30e-04	-7.29e-04
4292	161	7.24	-13.28	-0.50	0.0	2.47e-04	-4.70e-04
4292	176	12.80	-4.57	-0.38	0.0	4.29e-04	-7.21e-04
4292	193	7.39	-13.25	-0.50	0.0	2.50e-04	-4.75e-04
4292	208	15.03	-5.30	-0.38	0.0	4.93e-04	-8.42e-04
4292	225	8.77	-15.50	-0.51	0.0	2.86e-04	-5.65e-04
4293	28	0.62	-1.54	-0.78	0.0	1.15e-04	-1.28e-05
4293	44	0.55	-2.09	-0.70	0.0	1.03e-04	-1.25e-05
4293	52	0.62	-0.61	-0.77	0.0	1.15e-04	-1.31e-05
4293	80	0.44	-1.05	-0.55	0.0	8.15e-05	-9.56e-06
4293	88	0.39	-1.42	-0.50	0.0	7.39e-05	-9.36e-06
4293	92	0.44	-0.44	-0.55	0.0	8.17e-05	-9.80e-06
4293	98	0.37	-0.37	-0.45	0.0	6.88e-05	-8.80e-06
4293	105	0.35	-0.56	-0.43	0.0	6.62e-05	-8.71e-06
4293	107	0.35	-0.36	-0.43	0.0	6.63e-05	-8.79e-06
4293	112	11.51	-4.20	-0.39	0.0	3.41e-04	-6.43e-04
4293	129	6.54	-12.14	-0.49	0.0	1.97e-04	-4.15e-04
4293	144	12.93	-4.70	-0.39	0.0	3.76e-04	-7.23e-04
4293	161	7.35	-13.63	-0.50	0.0	2.14e-04	-4.67e-04
4293	176	12.99	-4.65	-0.39	0.0	3.75e-04	-7.14e-04
4293	193	7.51	-13.60	-0.50	0.0	2.17e-04	-4.71e-04
4293	208	15.25	-5.39	-0.38	0.0	4.29e-04	-8.33e-04
4293	225	8.90	-15.91	-0.51	0.0	2.47e-04	-5.59e-04
4294	28	0.68	-1.62	-0.80	0.0	1.16e-04	-1.24e-05
4294	44	0.60	-2.19	-0.72	0.0	1.05e-04	-1.19e-05
4294	52	0.68	-0.68	-0.79	0.0	1.17e-04	-1.27e-05
4294	80	0.48	-1.11	-0.56	0.0	8.29e-05	-9.33e-06
4294	88	0.43	-1.49	-0.51	0.0	7.52e-05	-8.97e-06

4294	92	0.48	-0.48	-0.56	0.0	8.31e-05	-9.51e-06
4294	98	0.40	-0.41	-0.46	0.0	7.01e-05	-9.06e-06
4294	105	0.38	-0.60	-0.44	0.0	6.75e-05	-8.93e-06
4294	107	0.38	-0.39	-0.44	0.0	6.76e-05	-8.99e-06
4294	112	11.67	-4.29	-0.40	0.0	3.23e-04	-6.34e-04
4294	129	6.63	-12.46	-0.50	0.0	1.87e-04	-4.10e-04
4294	144	13.10	-4.78	-0.40	0.0	3.56e-04	-7.14e-04
4294	161	7.44	-13.98	-0.51	0.0	2.03e-04	-4.62e-04
4294	176	13.16	-4.73	-0.40	0.0	3.55e-04	-7.04e-04
4294	193	7.60	-13.95	-0.51	0.0	2.06e-04	-4.64e-04
4294	208	15.44	-5.48	-0.39	0.0	4.05e-04	-8.21e-04
4294	225	9.01	-16.31	-0.52	0.0	2.33e-04	-5.51e-04
4295	28	0.57	-1.47	-0.75	0.0	1.12e-04	-9.13e-06
4295	44	0.50	-2.00	-0.67	0.0	1.00e-04	-9.05e-06
4295	52	0.57	-0.57	-0.75	0.0	1.12e-04	-9.64e-06
4295	80	0.40	-1.00	-0.53	0.0	7.96e-05	-6.92e-06
4295	88	0.36	-1.36	-0.47	0.0	7.19e-05	-6.86e-06
4295	92	0.40	-0.40	-0.53	0.0	7.97e-05	-7.26e-06
4295	98	0.34	-0.34	-0.44	0.0	6.74e-05	-6.46e-06
4295	105	0.32	-0.53	-0.42	0.0	6.49e-05	-6.41e-06
4295	107	0.32	-0.33	-0.42	0.0	6.49e-05	-6.52e-06
4295	112	11.62	-4.13	-0.40	0.0	3.81e-04	-6.34e-04
4295	127	0.77	-8.06	-0.44	0.0	6.75e-05	-6.34e-05
4295	129	6.60	-11.82	-0.43	0.0	2.22e-04	-4.12e-04
4295	144	13.06	-4.61	-0.40	0.0	4.21e-04	-7.14e-04
4295	159	0.83	-9.03	-0.44	0.0	6.80e-05	-7.12e-05
4295	161	7.42	-13.28	-0.43	0.0	2.42e-04	-4.65e-04
4295	176	13.13	-4.57	-0.40	0.0	4.20e-04	-7.05e-04
4295	191	0.86	-9.01	-0.44	0.0	6.90e-05	-7.40e-05
4295	193	7.59	-13.25	-0.43	0.0	2.45e-04	-4.69e-04
4295	208	15.43	-5.30	-0.40	0.0	4.83e-04	-8.23e-04
4295	223	0.98	-10.48	-0.44	0.0	7.06e-05	-8.94e-05
4295	225	9.01	-15.50	-0.44	0.0	2.80e-04	-5.57e-04
4296	28	0.63	-1.54	-0.76	0.0	1.16e-04	-1.02e-05
4296	44	0.55	-2.09	-0.68	0.0	1.04e-04	-9.91e-06
4296	52	0.63	-0.62	-0.76	0.0	1.16e-04	-1.06e-05
4296	80	0.44	-1.05	-0.54	0.0	8.22e-05	-7.71e-06
4296	88	0.39	-1.42	-0.48	0.0	7.44e-05	-7.53e-06
4296	92	0.44	-0.44	-0.54	0.0	8.23e-05	-7.98e-06
4296	98	0.37	-0.37	-0.44	0.0	6.98e-05	-7.41e-06
4296	105	0.35	-0.56	-0.42	0.0	6.72e-05	-7.32e-06
4296	107	0.36	-0.36	-0.42	0.0	6.73e-05	-7.41e-06
4296	112	11.79	-4.20	-0.41	0.0	3.29e-04	-6.34e-04
4296	127	0.80	-8.31	-0.44	0.0	6.44e-05	-6.42e-05
4296	129	6.70	-12.14	-0.44	0.0	1.90e-04	-4.11e-04
4296	144	13.25	-4.70	-0.40	0.0	3.62e-04	-7.14e-04
4296	159	0.86	-9.31	-0.45	0.0	6.43e-05	-7.20e-05
4296	161	7.53	-13.63	-0.44	0.0	2.06e-04	-4.64e-04
4296	176	13.32	-4.65	-0.41	0.0	3.61e-04	-7.04e-04
4296	191	0.90	-9.29	-0.45	0.0	6.55e-05	-7.46e-05
4296	193	7.70	-13.60	-0.44	0.0	2.09e-04	-4.67e-04
4296	208	15.64	-5.39	-0.40	0.0	4.12e-04	-8.22e-04
4296	223	1.02	-10.80	-0.45	0.0	6.62e-05	-8.98e-05
4296	225	9.13	-15.91	-0.44	0.0	2.37e-04	-5.54e-04
4297	28	0.68	-1.62	-0.78	0.0	1.17e-04	-1.10e-05
4297	44	0.60	-2.18	-0.70	0.0	1.05e-04	-1.05e-05
4297	52	0.69	-0.67	-0.78	0.0	1.17e-04	-1.13e-05
4297	80	0.48	-1.11	-0.55	0.0	8.35e-05	-8.32e-06
4297	88	0.43	-1.49	-0.49	0.0	7.57e-05	-8.01e-06
4297	92	0.49	-0.48	-0.55	0.0	8.36e-05	-8.51e-06
4297	98	0.41	-0.41	-0.45	0.0	7.10e-05	-8.18e-06
4297	105	0.39	-0.60	-0.43	0.0	6.84e-05	-8.06e-06
4297	107	0.39	-0.39	-0.43	0.0	6.85e-05	-8.12e-06
4297	112	11.94	-4.28	-0.42	0.0	3.09e-04	-6.32e-04
4297	127	0.83	-8.56	-0.45	0.0	6.43e-05	-6.44e-05
4297	129	6.78	-12.45	-0.45	0.0	1.79e-04	-4.09e-04
4297	144	13.41	-4.78	-0.41	0.0	3.39e-04	-7.11e-04
4297	159	0.89	-9.59	-0.46	0.0	6.39e-05	-7.20e-05
4297	161	7.62	-13.98	-0.45	0.0	1.93e-04	-4.60e-04
4297	176	13.48	-4.73	-0.42	0.0	3.38e-04	-7.01e-04
4297	191	0.93	-9.56	-0.45	0.0	6.51e-05	-7.45e-05
4297	193	7.79	-13.95	-0.45	0.0	1.96e-04	-4.63e-04
4297	208	15.82	-5.48	-0.41	0.0	3.85e-04	-8.19e-04
4297	223	1.05	-11.12	-0.46	0.0	6.56e-05	-8.95e-05
4297	225	9.24	-16.31	-0.45	0.0	2.21e-04	-5.50e-04

4298	4	0.57	0.34	-0.76	0.0	1.13e-04	-7.83e-06
4298	44	0.50	-2.01	-0.66	0.0	1.02e-04	-8.03e-06
4298	52	0.58	-0.57	-0.76	0.0	1.13e-04	-8.77e-06
4298	68	0.40	0.20	-0.54	0.0	8.04e-05	-5.99e-06
4298	88	0.36	-1.36	-0.47	0.0	7.30e-05	-6.13e-06
4298	92	0.41	-0.40	-0.53	0.0	8.07e-05	-6.62e-06
4298	98	0.34	-0.34	-0.44	0.0	6.86e-05	-6.09e-06
4298	105	0.32	-0.53	-0.42	0.0	6.61e-05	-6.00e-06
4298	107	0.33	-0.33	-0.42	0.0	6.61e-05	-6.11e-06
4298	112	11.91	-4.13	-0.41	0.0	3.80e-04	-6.24e-04
4298	126	-6.40	11.08	-0.44	0.0	-1.08e-04	3.83e-04
4298	129	6.76	-11.82	-0.40	0.0	2.21e-04	-4.08e-04
4298	144	13.38	-4.61	-0.41	0.0	4.20e-04	-7.02e-04
4298	158	-7.26	12.51	-0.44	0.0	-1.30e-04	4.33e-04
4298	161	7.60	-13.28	-0.40	0.0	2.41e-04	-4.60e-04
4298	176	13.46	-4.57	-0.41	0.0	4.19e-04	-6.93e-04
4298	190	-7.34	12.42	-0.44	0.0	-1.30e-04	4.30e-04
4298	193	7.78	-13.25	-0.40	0.0	2.44e-04	-4.63e-04
4298	208	15.81	-5.30	-0.41	0.0	4.81e-04	-8.09e-04
4298	222	-8.73	14.57	-0.44	0.0	-1.66e-04	5.07e-04
4298	225	9.25	-15.50	-0.40	0.0	2.79e-04	-5.51e-04
4299	4	0.63	0.32	-0.77	0.0	1.17e-04	-8.61e-06
4299	44	0.56	-2.09	-0.67	0.0	1.05e-04	-8.84e-06
4299	52	0.63	-0.62	-0.77	0.0	1.17e-04	-9.55e-06
4299	68	0.44	0.18	-0.54	0.0	8.32e-05	-6.59e-06
4299	88	0.40	-1.42	-0.48	0.0	7.56e-05	-6.75e-06
4299	92	0.45	-0.44	-0.54	0.0	8.35e-05	-7.22e-06
4299	98	0.38	-0.37	-0.45	0.0	7.12e-05	-6.85e-06
4299	105	0.36	-0.56	-0.42	0.0	6.85e-05	-6.75e-06
4299	107	0.36	-0.36	-0.43	0.0	6.85e-05	-6.84e-06
4299	112	12.07	-4.20	-0.42	0.0	3.26e-04	-6.27e-04
4299	126	-6.43	11.34	-0.44	0.0	-6.98e-05	3.83e-04
4299	129	6.86	-12.14	-0.41	0.0	1.88e-04	-4.08e-04
4299	144	13.56	-4.70	-0.42	0.0	3.59e-04	-7.06e-04
4299	158	-7.31	12.81	-0.45	0.0	-8.74e-05	4.33e-04
4299	161	7.71	-13.63	-0.41	0.0	2.04e-04	-4.60e-04
4299	176	13.64	-4.65	-0.42	0.0	3.58e-04	-6.96e-04
4299	190	-7.38	12.71	-0.45	0.0	-8.80e-05	4.30e-04
4299	193	7.89	-13.60	-0.41	0.0	2.07e-04	-4.63e-04
4299	208	16.02	-5.39	-0.42	0.0	4.09e-04	-8.12e-04
4299	222	-8.79	14.92	-0.45	0.0	-1.16e-04	5.06e-04
4299	225	9.37	-15.91	-0.40	0.0	2.34e-04	-5.50e-04
4300	4	0.69	0.29	-0.79	0.0	1.19e-04	-9.40e-06
4300	44	0.61	-2.18	-0.69	0.0	1.07e-04	-9.67e-06
4300	52	0.69	-0.67	-0.79	0.0	1.19e-04	-1.03e-05
4300	68	0.49	0.16	-0.56	0.0	8.45e-05	-7.20e-06
4300	88	0.44	-1.48	-0.49	0.0	7.69e-05	-7.37e-06
4300	92	0.49	-0.48	-0.55	0.0	8.49e-05	-7.83e-06
4300	98	0.41	-0.40	-0.45	0.0	7.24e-05	-7.57e-06
4300	105	0.39	-0.60	-0.43	0.0	6.97e-05	-7.46e-06
4300	107	0.39	-0.39	-0.43	0.0	6.97e-05	-7.52e-06
4300	112	12.22	-4.28	-0.43	0.0	3.07e-04	-6.29e-04
4300	126	-6.46	11.58	-0.45	0.0	-5.58e-05	3.82e-04
4300	129	6.94	-12.45	-0.42	0.0	1.77e-04	-4.07e-04
4300	144	13.72	-4.78	-0.43	0.0	3.36e-04	-7.08e-04
4300	158	-7.33	13.09	-0.46	0.0	-7.18e-05	4.31e-04
4300	161	7.80	-13.98	-0.41	0.0	1.91e-04	-4.58e-04
4300	176	13.80	-4.73	-0.43	0.0	3.36e-04	-6.98e-04
4300	190	-7.41	12.99	-0.45	0.0	-7.23e-05	4.28e-04
4300	193	7.98	-13.95	-0.41	0.0	1.93e-04	-4.61e-04
4300	208	16.21	-5.48	-0.43	0.0	3.82e-04	-8.14e-04
4300	222	-8.83	15.24	-0.46	0.0	-9.82e-05	5.04e-04
4300	225	9.47	-16.30	-0.41	0.0	2.18e-04	-5.47e-04
4301	4	0.57	0.34	-0.80	0.0	1.14e-04	-1.02e-05
4301	44	0.51	-2.01	-0.67	0.0	1.03e-04	-1.02e-05
4301	52	0.58	-0.57	-0.79	0.0	1.14e-04	-1.11e-05
4301	68	0.41	0.20	-0.56	0.0	8.11e-05	-7.71e-06
4301	88	0.36	-1.36	-0.48	0.0	7.37e-05	-7.67e-06
4301	92	0.41	-0.40	-0.55	0.0	8.13e-05	-8.33e-06
4301	98	0.34	-0.34	-0.46	0.0	6.94e-05	-7.74e-06
4301	105	0.33	-0.53	-0.43	0.0	6.68e-05	-7.59e-06
4301	107	0.33	-0.33	-0.44	0.0	6.68e-05	-7.68e-06
4301	112	12.19	-4.13	-0.42	0.0	3.82e-04	-6.20e-04
4301	129	6.92	-11.82	-0.38	0.0	2.22e-04	-4.07e-04
4301	130	-6.26	11.17	-0.50	0.0	-8.82e-05	3.92e-04

4301	144	13.70	-4.61	-0.42	0.0	4.22e-04	-6.98e-04
4301	161	7.79	-13.28	-0.37	0.0	2.42e-04	-4.59e-04
4301	162	-7.13	12.62	-0.50	0.0	-1.08e-04	4.43e-04
4301	176	13.78	-4.57	-0.42	0.0	4.21e-04	-6.88e-04
4301	193	7.98	-13.25	-0.37	0.0	2.45e-04	-4.61e-04
4301	194	-7.32	12.60	-0.50	0.0	-1.11e-04	4.46e-04
4301	208	16.20	-5.30	-0.42	0.0	4.84e-04	-8.03e-04
4301	225	9.49	-15.50	-0.36	0.0	2.80e-04	-5.48e-04
4301	226	-8.83	14.85	-0.51	0.0	-1.46e-04	5.32e-04
4302	4	0.63	0.32	-0.81	0.0	1.18e-04	-9.51e-06
4302	44	0.56	-2.09	-0.68	0.0	1.07e-04	-9.63e-06
4302	52	0.64	-0.62	-0.79	0.0	1.18e-04	-1.04e-05
4302	68	0.45	0.18	-0.57	0.0	8.40e-05	-7.25e-06
4302	88	0.40	-1.42	-0.49	0.0	7.65e-05	-7.33e-06
4302	92	0.45	-0.44	-0.56	0.0	8.43e-05	-7.86e-06
4302	98	0.38	-0.37	-0.46	0.0	7.21e-05	-7.49e-06
4302	105	0.36	-0.56	-0.44	0.0	6.95e-05	-7.37e-06
4302	107	0.36	-0.36	-0.44	0.0	6.94e-05	-7.44e-06
4302	112	12.35	-4.20	-0.43	0.0	3.27e-04	-6.24e-04
4302	129	7.02	-12.14	-0.39	0.0	1.88e-04	-4.07e-04
4302	130	-6.29	11.43	-0.50	0.0	-4.87e-05	3.92e-04
4302	144	13.88	-4.69	-0.43	0.0	3.59e-04	-7.02e-04
4302	161	7.89	-13.63	-0.38	0.0	2.03e-04	-4.58e-04
4302	162	-7.16	12.92	-0.50	0.0	-6.41e-05	4.43e-04
4302	176	13.97	-4.65	-0.43	0.0	3.59e-04	-6.91e-04
4302	193	8.09	-13.60	-0.38	0.0	2.05e-04	-4.60e-04
4302	194	-7.36	12.89	-0.50	0.0	-6.66e-05	4.46e-04
4302	208	16.41	-5.39	-0.42	0.0	4.10e-04	-8.07e-04
4302	225	9.61	-15.91	-0.37	0.0	2.32e-04	-5.47e-04
4302	226	-8.88	15.20	-0.51	0.0	-9.33e-05	5.32e-04
4303	4	0.69	0.29	-0.82	-2.49e-04	2.80e-05	-8.29e-06
4303	44	0.62	-2.18	-0.70	-1.43e-04	2.16e-05	-8.58e-06
4303	52	0.70	-0.67	-0.81	-2.18e-04	2.73e-05	-9.20e-06
4303	68	0.49	0.16	-0.58	-1.75e-04	1.92e-05	-6.40e-06
4303	88	0.44	-1.48	-0.50	-1.04e-04	1.50e-05	-6.59e-06
4303	92	0.50	-0.48	-0.57	-1.55e-04	1.87e-05	-7.00e-06
4303	98	0.42	-0.40	-0.47	-1.32e-04	1.43e-05	-6.87e-06
4303	105	0.40	-0.60	-0.45	-1.20e-04	1.32e-05	-6.78e-06
4303	107	0.40	-0.39	-0.45	-1.27e-04	1.35e-05	-6.84e-06
4303	112	12.50	-4.28	-0.43	-3.05e-04	1.57e-04	-6.25e-04
4303	129	7.10	-12.45	-0.40	1.87e-04	7.41e-05	-4.04e-04
4303	130	-6.30	11.68	-0.50	-4.42e-04	-4.71e-05	3.91e-04
4303	144	14.04	-4.78	-0.43	-3.27e-04	1.75e-04	-7.04e-04
4303	161	7.98	-13.98	-0.39	2.27e-04	8.18e-05	-4.56e-04
4303	162	-7.18	13.20	-0.50	-4.81e-04	-5.48e-05	4.42e-04
4303	176	14.13	-4.73	-0.43	-3.18e-04	1.74e-04	-6.93e-04
4303	193	8.17	-13.95	-0.39	2.22e-04	8.19e-05	-4.58e-04
4303	194	-7.38	13.17	-0.50	-4.76e-04	-5.49e-05	4.44e-04
4303	208	16.59	-5.47	-0.43	-3.46e-04	2.02e-04	-8.09e-04
4303	225	9.71	-16.30	-0.38	2.81e-04	9.46e-05	-5.44e-04
4303	226	-8.91	15.53	-0.51	-5.35e-04	-6.76e-05	5.30e-04
4304	4	0.58	0.34	-0.90	0.0	1.12e-04	-1.73e-05
4304	44	0.52	-2.01	-0.73	0.0	1.02e-04	-1.69e-05
4304	52	0.59	-0.57	-0.87	0.0	1.13e-04	-1.83e-05
4304	68	0.41	0.20	-0.63	0.0	8.02e-05	-1.29e-05
4304	88	0.37	-1.36	-0.52	0.0	7.30e-05	-1.26e-05
4304	92	0.42	-0.40	-0.61	0.0	8.05e-05	-1.35e-05
4304	98	0.35	-0.34	-0.51	0.0	6.88e-05	-1.25e-05
4304	105	0.33	-0.53	-0.48	0.0	6.63e-05	-1.22e-05
4304	107	0.33	-0.33	-0.49	0.0	6.63e-05	-1.22e-05
4304	112	12.47	-4.13	-0.59	0.0	3.83e-04	-6.26e-04
4304	129	7.09	-11.82	-0.31	0.0	2.21e-04	-4.12e-04
4304	130	-6.42	11.17	-0.66	0.0	-8.86e-05	3.87e-04
4304	144	14.01	-4.61	-0.61	0.0	4.23e-04	-7.03e-04
4304	161	7.97	-13.28	-0.29	0.0	2.41e-04	-4.63e-04
4304	162	-7.30	12.62	-0.69	0.0	-1.09e-04	4.39e-04
4304	176	14.11	-4.57	-0.60	0.0	4.23e-04	-6.94e-04
4304	193	8.18	-13.25	-0.29	0.0	2.45e-04	-4.66e-04
4304	194	-7.51	12.60	-0.68	0.0	-1.12e-04	4.41e-04
4304	208	16.58	-5.30	-0.62	0.0	4.86e-04	-8.08e-04
4304	225	9.73	-15.50	-0.26	0.0	2.79e-04	-5.52e-04
4304	226	-9.06	14.85	-0.72	0.0	-1.47e-04	5.27e-04
4305	4	0.64	0.32	-0.91	0.0	1.16e-04	-1.31e-05
4305	44	0.57	-2.09	-0.74	0.0	1.05e-04	-1.30e-05
4305	52	0.65	-0.61	-0.89	0.0	1.17e-04	-1.40e-05

4305	68	0.45	0.19	-0.64	0.0	8.27e-05	-9.86e-06
4305	88	0.40	-1.42	-0.53	0.0	7.54e-05	-9.81e-06
4305	92	0.46	-0.44	-0.62	0.0	8.31e-05	-1.05e-05
4305	98	0.38	-0.37	-0.52	0.0	7.12e-05	-9.89e-06
4305	105	0.37	-0.56	-0.49	0.0	6.86e-05	-9.71e-06
4305	107	0.37	-0.35	-0.49	0.0	6.85e-05	-9.77e-06
4305	112	12.64	-4.20	-0.60	0.0	3.27e-04	-6.25e-04
4305	129	7.18	-12.14	-0.32	0.0	1.86e-04	-4.08e-04
4305	130	-6.45	11.43	-0.67	0.0	-4.92e-05	3.88e-04
4305	144	14.20	-4.69	-0.61	0.0	3.60e-04	-7.02e-04
4305	161	8.08	-13.63	-0.29	0.0	2.02e-04	-4.59e-04
4305	162	-7.34	12.92	-0.70	0.0	-6.45e-05	4.40e-04
4305	176	14.29	-4.65	-0.61	0.0	3.60e-04	-6.92e-04
4305	193	8.28	-13.60	-0.30	0.0	2.04e-04	-4.61e-04
4305	194	-7.55	12.89	-0.69	0.0	-6.70e-05	4.42e-04
4305	208	16.79	-5.39	-0.63	0.0	4.11e-04	-8.07e-04
4305	225	9.85	-15.91	-0.26	0.0	2.31e-04	-5.47e-04
4305	226	-9.11	15.20	-0.73	0.0	-9.36e-05	5.28e-04
4306	4	0.70	0.29	-0.93	-2.59e-04	2.80e-05	-7.32e-06
4306	44	0.62	-2.17	-0.76	-1.46e-04	2.16e-05	-7.71e-06
4306	52	0.71	-0.66	-0.91	-2.26e-04	2.73e-05	-8.19e-06
4306	68	0.49	0.17	-0.66	-1.82e-04	1.92e-05	-5.72e-06
4306	88	0.44	-1.48	-0.54	-1.07e-04	1.50e-05	-5.98e-06
4306	92	0.50	-0.47	-0.64	-1.60e-04	1.87e-05	-6.30e-06
4306	98	0.42	-0.40	-0.53	-1.38e-04	1.43e-05	-6.29e-06
4306	105	0.40	-0.59	-0.50	-1.25e-04	1.32e-05	-6.23e-06
4306	107	0.40	-0.38	-0.51	-1.32e-04	1.35e-05	-6.29e-06
4306	112	12.78	-4.28	-0.61	-3.24e-04	1.57e-04	-6.20e-04
4306	129	7.26	-12.45	-0.33	2.10e-04	7.41e-05	-4.01e-04
4306	130	-6.46	11.69	-0.69	-4.74e-04	-4.71e-05	3.89e-04
4306	144	14.36	-4.78	-0.63	-3.48e-04	1.75e-04	-6.98e-04
4306	161	8.16	-13.98	-0.30	2.53e-04	8.18e-05	-4.52e-04
4306	162	-7.36	13.21	-0.71	-5.16e-04	-5.48e-05	4.40e-04
4306	176	14.45	-4.72	-0.62	-3.39e-04	1.74e-04	-6.87e-04
4306	193	8.37	-13.94	-0.30	2.48e-04	8.19e-05	-4.54e-04
4306	194	-7.57	13.18	-0.71	-5.11e-04	-5.49e-05	4.42e-04
4306	208	16.98	-5.47	-0.64	-3.69e-04	2.02e-04	-8.02e-04
4306	225	9.95	-16.30	-0.27	3.11e-04	9.46e-05	-5.39e-04
4306	226	-9.14	15.54	-0.74	-5.75e-04	-6.76e-05	5.27e-04
4307	4	0.59	0.34	-1.04	0.0	1.07e-04	-3.09e-05
4307	44	0.53	-2.01	-0.81	0.0	9.67e-05	-2.98e-05
4307	52	0.60	-0.57	-1.00	0.0	1.07e-04	-3.20e-05
4307	68	0.42	0.20	-0.73	0.0	7.63e-05	-2.27e-05
4307	88	0.38	-1.36	-0.58	0.0	6.94e-05	-2.20e-05
4307	92	0.43	-0.40	-0.70	0.0	7.65e-05	-2.35e-05
4307	98	0.36	-0.34	-0.59	0.0	6.55e-05	-2.14e-05
4307	105	0.34	-0.53	-0.55	0.0	6.31e-05	-2.09e-05
4307	107	0.34	-0.33	-0.56	0.0	6.30e-05	-2.09e-05
4307	112	12.76	-4.13	-0.77	0.0	3.77e-04	-6.44e-04
4307	129	7.26	-11.82	-0.21	0.0	2.16e-04	-4.24e-04
4307	130	-6.58	11.17	-0.91	0.0	-8.98e-05	3.82e-04
4307	144	14.34	-4.61	-0.79	0.0	4.17e-04	-7.23e-04
4307	161	8.17	-13.28	-0.17	0.0	2.36e-04	-4.76e-04
4307	162	-7.48	12.62	-0.96	0.0	-1.10e-04	4.34e-04
4307	176	14.44	-4.57	-0.78	0.0	4.18e-04	-7.13e-04
4307	193	8.39	-13.25	-0.17	0.0	2.39e-04	-4.79e-04
4307	194	-7.70	12.60	-0.95	0.0	-1.13e-04	4.37e-04
4307	208	16.98	-5.30	-0.82	0.0	4.81e-04	-8.30e-04
4307	225	9.98	-15.50	-0.11	0.0	2.74e-04	-5.66e-04
4307	226	-9.30	14.85	-1.02	0.0	-1.48e-04	5.24e-04
4308	4	0.65	0.32	-1.06	0.0	1.08e-04	-2.05e-05
4308	44	0.58	-2.09	-0.82	0.0	9.76e-05	-2.01e-05
4308	52	0.65	-0.61	-1.01	0.0	1.08e-04	-2.15e-05
4308	68	0.46	0.19	-0.74	0.0	7.69e-05	-1.53e-05
4308	88	0.41	-1.42	-0.59	0.0	7.00e-05	-1.50e-05
4308	92	0.46	-0.44	-0.71	0.0	7.72e-05	-1.59e-05
4308	98	0.39	-0.37	-0.59	0.0	6.61e-05	-1.48e-05
4308	105	0.37	-0.56	-0.56	0.0	6.37e-05	-1.45e-05
4308	107	0.37	-0.35	-0.57	0.0	6.36e-05	-1.45e-05
4308	112	12.92	-4.20	-0.78	0.0	3.15e-04	-6.33e-04
4308	129	7.35	-12.14	-0.21	0.0	1.76e-04	-4.14e-04
4308	130	-6.60	11.43	-0.92	0.0	-4.86e-05	3.85e-04
4308	144	14.52	-4.69	-0.80	0.0	3.47e-04	-7.12e-04
4308	161	8.27	-13.63	-0.17	0.0	1.90e-04	-4.66e-04
4308	162	-7.52	12.92	-0.97	0.0	-6.31e-05	4.37e-04

4308	176	14.62	-4.65	-0.79	0.0	3.47e-04	-7.02e-04
4308	193	8.49	-13.60	-0.17	0.0	1.93e-04	-4.68e-04
4308	194	-7.74	12.89	-0.96	0.0	-6.55e-05	4.39e-04
4308	208	17.19	-5.39	-0.83	0.0	3.97e-04	-8.17e-04
4308	225	10.10	-15.91	-0.11	0.0	2.18e-04	-5.54e-04
4308	226	-9.35	15.20	-1.03	0.0	-9.08e-05	5.25e-04
4309	4	0.70	0.30	-1.08	-2.91e-04	2.80e-05	-5.05e-06
4309	44	0.63	-2.17	-0.85	-1.62e-04	2.16e-05	-5.52e-06
4309	52	0.71	-0.66	-1.04	-2.53e-04	2.73e-05	-5.85e-06
4309	68	0.50	0.17	-0.76	-2.04e-04	1.92e-05	-4.09e-06
4309	88	0.45	-1.48	-0.60	-1.19e-04	1.50e-05	-4.40e-06
4309	92	0.50	-0.47	-0.73	-1.79e-04	1.87e-05	-4.62e-06
4309	98	0.42	-0.40	-0.61	-1.55e-04	1.43e-05	-4.83e-06
4309	105	0.41	-0.59	-0.57	-1.40e-04	1.32e-05	-4.80e-06
4309	107	0.41	-0.38	-0.58	-1.48e-04	1.35e-05	-4.88e-06
4309	112	13.06	-4.27	-0.79	-3.81e-04	1.57e-04	-6.13e-04
4309	129	7.43	-12.45	-0.22	2.68e-04	7.41e-05	-3.97e-04
4309	130	-6.61	11.69	-0.94	-5.65e-04	-4.71e-05	3.87e-04
4309	144	14.67	-4.77	-0.82	-4.10e-04	1.75e-04	-6.91e-04
4309	161	8.35	-13.98	-0.18	3.21e-04	8.18e-05	-4.47e-04
4309	162	-7.53	13.22	-0.98	-6.17e-04	-5.48e-05	4.38e-04
4309	176	14.77	-4.72	-0.81	-3.98e-04	1.74e-04	-6.80e-04
4309	193	8.57	-13.95	-0.18	3.14e-04	8.19e-05	-4.49e-04
4309	194	-7.75	13.18	-0.98	-6.11e-04	-5.49e-05	4.39e-04
4309	208	17.36	-5.47	-0.84	-4.35e-04	2.02e-04	-7.93e-04
4309	225	10.19	-16.31	-0.12	3.92e-04	9.46e-05	-5.33e-04
4309	226	-9.37	15.54	-1.04	-6.88e-04	-6.76e-05	5.23e-04
4310	4	0.62	0.34	-1.24	0.0	9.48e-05	-5.22e-05
4310	44	0.55	-2.01	-0.92	0.0	8.52e-05	-5.03e-05
4310	52	0.62	-0.57	-1.17	0.0	9.50e-05	-5.37e-05
4310	68	0.44	0.20	-0.87	0.0	6.75e-05	-3.82e-05
4310	88	0.39	-1.36	-0.66	0.0	6.12e-05	-3.69e-05
4310	92	0.44	-0.40	-0.82	0.0	6.77e-05	-3.92e-05
4310	98	0.37	-0.34	-0.69	0.0	5.77e-05	-3.54e-05
4310	105	0.36	-0.53	-0.65	0.0	5.55e-05	-3.47e-05
4310	107	0.36	-0.33	-0.66	0.0	5.55e-05	-3.46e-05
4310	112	13.08	-4.13	-1.01	0.0	3.62e-04	-6.78e-04
4310	129	7.45	-11.82	-0.05	0.0	2.04e-04	-4.47e-04
4310	130	-6.73	11.17	-1.27	0.0	-9.27e-05	3.78e-04
4310	144	14.70	-4.61	-1.06	0.0	4.00e-04	-7.59e-04
4310	161	8.38	-13.28	0.03	0.0	2.23e-04	-5.00e-04
4310	162	-7.66	12.63	-1.35	0.0	-1.12e-04	4.31e-04
4310	176	14.80	-4.57	-1.04	0.0	4.01e-04	-7.50e-04
4310	193	8.61	-13.25	0.02	0.0	2.26e-04	-5.03e-04
4310	194	-7.89	12.60	-1.34	0.0	-1.15e-04	4.34e-04
4310	208	17.40	-5.30	-1.10	0.0	4.62e-04	-8.71e-04
4310	225	10.25	-15.50	0.14	0.0	2.60e-04	-5.93e-04
4310	226	-9.53	14.85	-1.46	0.0	-1.49e-04	5.24e-04
4311	4	0.66	0.32	-1.25	0.0	8.92e-05	-3.24e-05
4311	44	0.59	-2.09	-0.93	0.0	7.99e-05	-3.15e-05
4311	52	0.67	-0.61	-1.18	0.0	8.93e-05	-3.36e-05
4311	68	0.47	0.19	-0.88	0.0	6.34e-05	-2.39e-05
4311	88	0.42	-1.42	-0.67	0.0	5.72e-05	-2.33e-05
4311	92	0.47	-0.44	-0.83	0.0	6.35e-05	-2.47e-05
4311	98	0.40	-0.37	-0.70	0.0	5.40e-05	-2.26e-05
4311	105	0.38	-0.56	-0.65	0.0	5.19e-05	-2.21e-05
4311	107	0.38	-0.35	-0.67	0.0	5.19e-05	-2.21e-05
4311	112	13.23	-4.20	-1.02	0.0	2.87e-04	-6.52e-04
4311	129	7.53	-12.14	-0.05	0.0	1.55e-04	-4.27e-04
4311	130	-6.76	11.43	-1.29	0.0	-5.09e-05	3.82e-04
4311	144	14.86	-4.69	-1.07	0.0	3.17e-04	-7.31e-04
4311	161	8.47	-13.63	0.03	0.0	1.68e-04	-4.79e-04
4311	162	-7.70	12.93	-1.36	0.0	-6.42e-05	4.35e-04
4311	176	14.97	-4.65	-1.05	0.0	3.17e-04	-7.21e-04
4311	193	8.70	-13.60	0.02	0.0	1.70e-04	-4.81e-04
4311	194	-7.93	12.89	-1.36	0.0	-6.61e-05	4.37e-04
4311	208	17.59	-5.38	-1.11	0.0	3.64e-04	-8.40e-04
4311	225	10.35	-15.91	0.14	0.0	1.93e-04	-5.69e-04
4311	226	-9.58	15.20	-1.47	0.0	-8.92e-05	5.24e-04
4312	4	0.70	0.30	-1.27	-3.26e-04	2.80e-05	-5.66e-06
4312	44	0.63	-2.17	-0.96	-1.78e-04	2.16e-05	-6.12e-06
4312	52	0.71	-0.66	-1.20	-2.82e-04	2.73e-05	-6.47e-06
4312	68	0.50	0.17	-0.89	-2.30e-04	1.92e-05	-4.54e-06
4312	88	0.45	-1.47	-0.68	-1.31e-04	1.50e-05	-4.85e-06
4312	92	0.50	-0.47	-0.85	-2.00e-04	1.87e-05	-5.08e-06

4312	98	0.43	-0.40	-0.71	-1.73e-04	1.43e-05	-5.25e-06
4312	105	0.41	-0.59	-0.66	-1.57e-04	1.32e-05	-5.23e-06
4312	107	0.41	-0.38	-0.68	-1.66e-04	1.35e-05	-5.30e-06
4312	112	13.34	-4.27	-1.04	-4.52e-04	1.57e-04	-6.14e-04
4312	129	7.59	-12.45	-0.06	3.52e-04	7.41e-05	-3.98e-04
4312	130	-6.77	11.69	-1.30	-6.85e-04	-4.71e-05	3.87e-04
4312	144	14.99	-4.77	-1.08	-4.88e-04	1.75e-04	-6.91e-04
4312	161	8.53	-13.98	0.02	4.17e-04	8.18e-05	-4.48e-04
4312	162	-7.72	13.22	-1.38	-7.49e-04	-5.48e-05	4.37e-04
4312	176	15.10	-4.72	-1.06	-4.73e-04	1.74e-04	-6.81e-04
4312	193	8.77	-13.95	0.01	4.09e-04	8.19e-05	-4.50e-04
4312	194	-7.95	13.19	-1.37	-7.41e-04	-5.49e-05	4.39e-04
4312	208	17.74	-5.47	-1.12	-5.17e-04	2.02e-04	-7.94e-04
4312	225	10.43	-16.31	0.13	5.04e-04	9.46e-05	-5.34e-04
4312	226	-9.61	15.55	-1.49	-8.37e-04	-6.76e-05	5.23e-04
4313	4	0.65	0.34	-1.47	0.0	7.30e-05	-8.12e-05
4313	44	0.59	-2.01	-1.06	0.0	6.47e-05	-7.82e-05
4313	52	0.66	-0.57	-1.38	0.0	7.30e-05	-8.31e-05
4313	68	0.46	0.20	-1.04	0.0	5.18e-05	-5.92e-05
4313	88	0.42	-1.36	-0.76	0.0	4.63e-05	-5.72e-05
4313	92	0.47	-0.40	-0.97	0.0	5.18e-05	-6.05e-05
4313	98	0.40	-0.34	-0.82	0.0	4.37e-05	-5.45e-05
4313	105	0.38	-0.53	-0.76	0.0	4.19e-05	-5.32e-05
4313	107	0.38	-0.33	-0.78	0.0	4.19e-05	-5.30e-05
4313	112	13.42	-4.13	-1.34	0.0	3.30e-04	-7.25e-04
4313	129	7.66	-11.83	0.20	0.0	1.82e-04	-4.79e-04
4313	130	-6.89	11.17	-1.76	0.0	-9.78e-05	3.73e-04
4313	144	15.08	-4.61	-1.41	0.0	3.67e-04	-8.10e-04
4313	161	8.61	-13.28	0.32	0.0	2.00e-04	-5.34e-04
4313	162	-7.85	12.63	-1.88	0.0	-1.16e-04	4.28e-04
4313	176	15.19	-4.57	-1.38	0.0	3.67e-04	-8.02e-04
4313	193	8.85	-13.25	0.31	0.0	2.03e-04	-5.37e-04
4313	194	-8.09	12.60	-1.87	0.0	-1.19e-04	4.31e-04
4313	216	17.87	-6.22	-0.55	0.0	3.56e-04	-1.01e-03
4313	225	10.54	-15.51	0.49	0.0	2.34e-04	-6.30e-04
4313	226	-9.77	14.85	-2.05	0.0	-1.51e-04	5.24e-04
4314	4	0.68	0.32	-1.48	0.0	5.74e-05	-4.65e-05
4314	44	0.61	-2.09	-1.07	0.0	4.97e-05	-4.50e-05
4314	52	0.69	-0.61	-1.39	0.0	5.72e-05	-4.79e-05
4314	68	0.49	0.19	-1.04	0.0	4.05e-05	-3.41e-05
4314	88	0.44	-1.42	-0.77	0.0	3.53e-05	-3.31e-05
4314	92	0.49	-0.44	-0.98	0.0	4.03e-05	-3.50e-05
4314	98	0.42	-0.37	-0.82	0.0	3.34e-05	-3.18e-05
4314	105	0.40	-0.56	-0.77	0.0	3.18e-05	-3.11e-05
4314	107	0.40	-0.35	-0.79	0.0	3.19e-05	-3.10e-05
4314	112	13.55	-4.20	-1.34	0.0	2.36e-04	-6.75e-04
4314	129	7.72	-12.14	0.20	0.0	1.20e-04	-4.42e-04
4314	130	-6.92	11.43	-1.77	0.0	-5.62e-05	3.80e-04
4314	144	15.22	-4.69	-1.41	0.0	2.62e-04	-7.56e-04
4314	161	8.69	-13.63	0.32	0.0	1.31e-04	-4.95e-04
4314	162	-7.89	12.93	-1.89	0.0	-6.76e-05	4.33e-04
4314	176	15.33	-4.64	-1.39	0.0	2.62e-04	-7.47e-04
4314	193	8.93	-13.60	0.31	0.0	1.33e-04	-4.98e-04
4314	194	-8.12	12.89	-1.88	0.0	-6.88e-05	4.36e-04
4314	208	18.02	-5.38	-1.48	0.0	3.03e-04	-8.68e-04
4314	225	10.62	-15.91	0.49	0.0	1.52e-04	-5.87e-04
4314	226	-9.82	15.20	-2.06	0.0	-8.82e-05	5.25e-04
4315	4	0.71	0.30	-1.50	-3.45e-04	2.80e-05	-1.87e-06
4315	44	0.63	-2.17	-1.09	-1.80e-04	2.16e-05	-2.30e-06
4315	52	0.72	-0.65	-1.41	-2.96e-04	2.73e-05	-2.57e-06
4315	68	0.50	0.17	-1.06	-2.43e-04	1.92e-05	-1.76e-06
4315	88	0.45	-1.47	-0.78	-1.33e-04	1.50e-05	-2.04e-06
4315	92	0.51	-0.46	-0.99	-2.10e-04	1.87e-05	-2.23e-06
4315	98	0.43	-0.39	-0.83	-1.83e-04	1.43e-05	-2.64e-06
4315	105	0.41	-0.59	-0.78	-1.65e-04	1.32e-05	-2.65e-06
4315	107	0.41	-0.38	-0.80	-1.76e-04	1.35e-05	-2.75e-06
4315	112	13.63	-4.27	-1.35	-5.11e-04	1.57e-04	-6.10e-04
4315	129	7.76	-12.45	0.19	4.39e-04	7.41e-05	-3.94e-04
4315	130	-6.94	11.70	-1.78	-7.91e-04	-4.71e-05	3.88e-04
4315	144	15.32	-4.77	-1.42	-5.53e-04	1.75e-04	-6.87e-04
4315	161	8.73	-13.98	0.31	5.16e-04	8.18e-05	-4.44e-04
4315	162	-7.90	13.23	-1.91	-8.67e-04	-5.48e-05	4.39e-04
4315	176	15.43	-4.72	-1.40	-5.34e-04	1.74e-04	-6.76e-04
4315	193	8.97	-13.95	0.30	5.06e-04	8.19e-05	-4.46e-04
4315	194	-8.14	13.19	-1.89	-8.57e-04	-5.49e-05	4.40e-04

4315	208	18.13	-5.46	-1.49	-5.86e-04	2.02e-04	-7.89e-04
4315	225	10.67	-16.31	0.48	6.19e-04	9.46e-05	-5.30e-04
4315	226	-9.85	15.55	-2.07	-9.70e-04	-6.76e-05	5.24e-04
4316	4	0.44	0.42	-1.70	0.0	2.05e-04	-5.35e-05
4316	44	0.39	-1.64	-1.17	0.0	1.92e-04	-4.95e-05
4316	52	0.45	-0.37	-1.57	0.0	2.07e-04	-5.44e-05
4316	68	0.31	0.27	-1.19	0.0	1.48e-04	-3.89e-05
4316	88	0.28	-1.11	-0.84	0.0	1.39e-04	-3.62e-05
4316	92	0.32	-0.26	-1.11	0.0	1.49e-04	-3.94e-05
4316	98	0.27	-0.22	-0.94	0.0	1.31e-04	-3.52e-05
4316	105	0.26	-0.39	-0.87	0.0	1.27e-04	-3.42e-05
4316	107	0.26	-0.21	-0.90	0.0	1.27e-04	-3.42e-05
4316	112	12.48	-3.78	-1.67	0.0	9.34e-04	-6.27e-04
4316	129	7.10	-10.43	0.49	0.0	5.83e-04	-4.07e-04
4316	130	-6.59	10.01	-2.28	0.0	-3.29e-04	3.39e-04
4316	144	14.04	-4.23	-1.76	0.0	1.04e-03	-7.02e-04
4316	161	8.00	-11.73	0.66	0.0	6.43e-04	-4.56e-04
4316	162	-7.49	11.30	-2.45	0.0	-3.89e-04	3.87e-04
4316	176	14.15	-4.21	-1.73	0.0	1.04e-03	-6.95e-04
4316	193	8.23	-11.71	0.64	0.0	6.56e-04	-4.59e-04
4316	194	-7.71	11.29	-2.43	0.0	-4.02e-04	3.91e-04
4316	216	16.78	-5.73	-0.59	0.0	1.22e-03	-8.85e-04
4316	225	9.82	-13.73	0.89	0.0	7.61e-04	-5.41e-04
4316	226	-9.31	13.30	-2.68	0.0	-5.08e-04	4.72e-04
4317	4	0.54	0.40	-1.70	0.0	1.74e-04	-1.04e-04
4317	44	0.49	-1.74	-1.17	0.0	1.62e-04	-9.92e-05
4317	52	0.55	-0.42	-1.57	0.0	1.75e-04	-1.06e-04
4317	68	0.39	0.25	-1.19	0.0	1.25e-04	-7.59e-05
4317	88	0.35	-1.18	-0.84	0.0	1.17e-04	-7.24e-05
4317	92	0.39	-0.30	-1.11	0.0	1.26e-04	-7.71e-05
4317	98	0.33	-0.25	-0.94	0.0	1.10e-04	-6.91e-05
4317	105	0.32	-0.42	-0.87	0.0	1.07e-04	-6.74e-05
4317	107	0.32	-0.24	-0.90	0.0	1.07e-04	-6.73e-05
4317	112	12.95	-3.87	-1.67	0.0	8.04e-04	-7.34e-04
4317	129	7.39	-10.80	0.49	0.0	4.96e-04	-4.83e-04
4317	130	-6.75	10.31	-2.28	0.0	-2.83e-04	3.48e-04
4317	144	14.56	-4.34	-1.77	0.0	8.93e-04	-8.18e-04
4317	161	8.32	-12.14	0.66	0.0	5.47e-04	-5.37e-04
4317	162	-7.68	11.65	-2.45	0.0	-3.34e-04	4.02e-04
4317	176	14.67	-4.30	-1.73	0.0	8.96e-04	-8.11e-04
4317	193	8.55	-12.12	0.64	0.0	5.58e-04	-5.42e-04
4317	194	-7.91	11.63	-2.43	0.0	-3.45e-04	4.07e-04
4317	216	17.39	-5.86	-0.59	0.0	1.04e-03	-1.02e-03
4317	225	10.20	-14.20	0.90	0.0	6.48e-04	-6.33e-04
4317	226	-9.56	13.71	-2.69	0.0	-4.35e-04	4.99e-04
4318	4	0.63	0.38	-1.70	0.0	1.28e-04	-1.43e-04
4318	44	0.57	-1.83	-1.18	0.0	1.18e-04	-1.37e-04
4318	52	0.64	-0.47	-1.57	0.0	1.29e-04	-1.45e-04
4318	68	0.45	0.23	-1.19	0.0	9.18e-05	-1.04e-04
4318	88	0.41	-1.24	-0.85	0.0	8.52e-05	-9.98e-05
4318	92	0.45	-0.34	-1.11	0.0	9.25e-05	-1.06e-04
4318	98	0.39	-0.28	-0.94	0.0	8.01e-05	-9.47e-05
4318	105	0.37	-0.46	-0.87	0.0	7.76e-05	-9.25e-05
4318	107	0.37	-0.27	-0.90	0.0	7.74e-05	-9.21e-05
4318	112	13.33	-3.96	-1.67	0.0	6.26e-04	-8.15e-04
4318	129	7.62	-11.16	0.49	0.0	3.77e-04	-5.40e-04
4318	130	-6.88	10.61	-2.28	0.0	-2.22e-04	3.56e-04
4318	144	14.98	-4.43	-1.77	0.0	6.95e-04	-9.07e-04
4318	161	8.57	-12.53	0.66	0.0	4.16e-04	-5.98e-04
4318	162	-7.83	11.99	-2.46	0.0	-2.61e-04	4.14e-04
4318	176	15.09	-4.40	-1.73	0.0	6.98e-04	-9.01e-04
4318	193	8.81	-12.51	0.64	0.0	4.24e-04	-6.04e-04
4318	194	-8.07	11.97	-2.44	0.0	-2.70e-04	4.20e-04
4318	216	17.87	-5.98	-0.59	0.0	7.88e-04	-1.11e-03
4318	225	10.50	-14.65	0.90	0.0	4.93e-04	-7.03e-04
4318	226	-9.76	14.10	-2.69	0.0	-3.38e-04	5.19e-04
4319	4	0.68	0.36	-1.70	0.0	7.98e-05	-1.53e-04
4319	44	0.61	-1.92	-1.18	0.0	7.17e-05	-1.47e-04
4319	52	0.69	-0.52	-1.57	0.0	8.00e-05	-1.56e-04
4319	68	0.48	0.22	-1.20	0.0	5.68e-05	-1.11e-04
4319	88	0.44	-1.31	-0.85	0.0	5.13e-05	-1.07e-04
4319	92	0.49	-0.37	-1.11	0.0	5.69e-05	-1.13e-04
4319	98	0.42	-0.31	-0.94	0.0	4.83e-05	-1.02e-04
4319	105	0.40	-0.50	-0.87	0.0	4.65e-05	-9.95e-05
4319	107	0.40	-0.30	-0.90	0.0	4.65e-05	-9.90e-05

4319	112	13.60	-4.05	-1.67	0.0	4.39e-04	-8.33e-04
4319	129	7.78	-11.50	0.49	0.0	2.53e-04	-5.54e-04
4319	130	-6.98	10.90	-2.29	0.0	-1.60e-04	3.56e-04
4319	144	15.29	-4.53	-1.77	0.0	4.89e-04	-9.26e-04
4319	161	8.75	-12.92	0.66	0.0	2.80e-04	-6.13e-04
4319	162	-7.95	12.32	-2.46	0.0	-1.87e-04	4.15e-04
4319	176	15.40	-4.49	-1.73	0.0	4.91e-04	-9.19e-04
4319	193	9.00	-12.90	0.64	0.0	2.85e-04	-6.19e-04
4319	194	-8.19	12.29	-2.44	0.0	-1.92e-04	4.21e-04
4319	216	18.21	-6.11	-0.59	0.0	5.26e-04	-1.13e-03
4319	225	10.71	-15.09	0.90	0.0	3.32e-04	-7.19e-04
4319	226	-9.91	14.49	-2.70	0.0	-2.39e-04	5.21e-04
4320	4	0.47	0.42	-1.91	0.0	2.64e-04	-5.77e-05
4320	44	0.42	-1.64	-1.27	0.0	2.50e-04	-5.33e-05
4320	52	0.48	-0.37	-1.75	0.0	2.68e-04	-5.85e-05
4320	68	0.34	0.27	-1.34	0.0	1.91e-04	-4.19e-05
4320	88	0.30	-1.11	-0.92	0.0	1.82e-04	-3.89e-05
4320	92	0.34	-0.26	-1.23	0.0	1.93e-04	-4.25e-05
4320	98	0.29	-0.22	-1.05	0.0	1.70e-04	-3.79e-05
4320	105	0.28	-0.39	-0.97	0.0	1.66e-04	-3.68e-05
4320	107	0.28	-0.21	-1.00	0.0	1.65e-04	-3.69e-05
4320	112	12.78	-3.78	-2.02	0.0	1.06e-03	-6.32e-04
4320	129	7.28	-10.43	0.83	0.0	6.66e-04	-4.11e-04
4320	130	-6.73	10.01	-2.84	0.0	-3.35e-04	3.37e-04
4320	144	14.38	-4.23	-2.14	0.0	1.17e-03	-7.08e-04
4320	161	8.21	-11.73	1.06	0.0	7.31e-04	-4.59e-04
4320	162	-7.65	11.31	-3.07	0.0	-4.00e-04	3.85e-04
4320	176	14.49	-4.21	-2.09	0.0	1.18e-03	-7.01e-04
4320	193	8.44	-11.71	1.03	0.0	7.46e-04	-4.63e-04
4320	194	-7.89	11.29	-3.04	0.0	-4.16e-04	3.89e-04
4320	216	17.24	-5.73	-0.62	0.0	1.38e-03	-8.90e-04
4320	225	10.07	-13.73	1.37	0.0	8.63e-04	-5.45e-04
4320	226	-9.52	13.30	-3.38	0.0	-5.32e-04	4.71e-04
4321	4	0.61	0.40	-1.90	0.0	2.26e-04	-1.20e-04
4321	44	0.55	-1.74	-1.27	0.0	2.14e-04	-1.14e-04
4321	52	0.62	-0.42	-1.74	0.0	2.29e-04	-1.22e-04
4321	68	0.44	0.25	-1.34	0.0	1.63e-04	-8.71e-05
4321	88	0.40	-1.18	-0.92	0.0	1.55e-04	-8.32e-05
4321	92	0.44	-0.30	-1.23	0.0	1.65e-04	-8.84e-05
4321	98	0.38	-0.25	-1.05	0.0	1.45e-04	-7.93e-05
4321	105	0.36	-0.42	-0.96	0.0	1.41e-04	-7.74e-05
4321	107	0.36	-0.24	-1.00	0.0	1.41e-04	-7.71e-05
4321	112	13.32	-3.87	-2.01	0.0	9.18e-04	-7.60e-04
4321	129	7.62	-10.80	0.83	0.0	5.69e-04	-5.01e-04
4321	130	-6.89	10.31	-2.83	0.0	-2.88e-04	3.46e-04
4321	144	14.97	-4.34	-2.14	0.0	1.02e-03	-8.47e-04
4321	161	8.57	-12.14	1.06	0.0	6.25e-04	-5.56e-04
4321	162	-7.85	11.65	-3.06	0.0	-3.44e-04	4.01e-04
4321	176	15.09	-4.30	-2.09	0.0	1.02e-03	-8.40e-04
4321	193	8.82	-12.12	1.03	0.0	6.38e-04	-5.61e-04
4321	194	-8.09	11.63	-3.03	0.0	-3.57e-04	4.07e-04
4321	216	17.93	-5.86	-0.62	0.0	1.18e-03	-1.04e-03
4321	225	10.51	-14.20	1.37	0.0	7.38e-04	-6.54e-04
4321	226	-9.78	13.71	-3.37	0.0	-4.56e-04	5.00e-04
4322	4	0.72	0.38	-1.90	0.0	1.55e-04	-1.79e-04
4322	44	0.66	-1.83	-1.27	0.0	1.44e-04	-1.72e-04
4322	52	0.73	-0.47	-1.74	0.0	1.56e-04	-1.83e-04
4322	68	0.51	0.23	-1.34	0.0	1.11e-04	-1.31e-04
4322	88	0.47	-1.24	-0.92	0.0	1.04e-04	-1.26e-04
4322	92	0.52	-0.34	-1.23	0.0	1.12e-04	-1.33e-04
4322	98	0.45	-0.28	-1.04	0.0	9.79e-05	-1.19e-04
4322	105	0.43	-0.46	-0.96	0.0	9.50e-05	-1.16e-04
4322	107	0.43	-0.27	-1.00	0.0	9.47e-05	-1.16e-04
4322	112	13.76	-3.96	-2.01	0.0	6.79e-04	-8.84e-04
4322	129	7.89	-11.16	0.83	0.0	4.10e-04	-5.86e-04
4322	130	-7.03	10.61	-2.83	0.0	-2.21e-04	3.54e-04
4322	144	15.46	-4.43	-2.14	0.0	7.53e-04	-9.81e-04
4322	161	8.87	-12.53	1.06	0.0	4.52e-04	-6.47e-04
4322	162	-8.01	11.99	-3.06	0.0	-2.62e-04	4.15e-04
4322	176	15.57	-4.40	-2.08	0.0	7.56e-04	-9.76e-04
4322	193	9.12	-12.51	1.03	0.0	4.61e-04	-6.54e-04
4322	194	-8.26	11.97	-3.03	0.0	-2.71e-04	4.22e-04
4322	216	18.48	-5.98	-0.62	0.0	8.49e-04	-1.19e-03
4322	225	10.86	-14.65	1.37	0.0	5.34e-04	-7.58e-04
4322	226	-10.00	14.10	-3.37	0.0	-3.45e-04	5.27e-04

4323	4	0.78	0.36	-1.90	0.0	5.97e-05	-2.26e-04
4323	44	0.71	-1.93	-1.27	0.0	5.27e-05	-2.18e-04
4323	52	0.79	-0.52	-1.74	0.0	5.98e-05	-2.30e-04
4323	68	0.56	0.22	-1.34	0.0	4.22e-05	-1.65e-04
4323	88	0.51	-1.31	-0.92	0.0	3.75e-05	-1.59e-04
4323	92	0.57	-0.37	-1.23	0.0	4.22e-05	-1.67e-04
4323	98	0.49	-0.31	-1.04	0.0	3.51e-05	-1.50e-04
4323	105	0.47	-0.50	-0.96	0.0	3.36e-05	-1.47e-04
4323	107	0.47	-0.30	-1.00	0.0	3.36e-05	-1.46e-04
4323	112	14.03	-4.05	-2.01	0.0	4.01e-04	-9.74e-04
4323	129	8.05	-11.50	0.83	0.0	2.26e-04	-6.48e-04
4323	130	-7.12	10.90	-2.83	0.0	-1.59e-04	3.55e-04
4323	144	15.76	-4.53	-2.13	0.0	4.48e-04	-1.08e-03
4323	161	9.05	-12.92	1.06	0.0	2.51e-04	-7.13e-04
4323	162	-8.11	12.32	-3.06	0.0	-1.84e-04	4.20e-04
4323	176	15.88	-4.49	-2.08	0.0	4.49e-04	-1.07e-03
4323	193	9.30	-12.90	1.03	0.0	2.56e-04	-7.21e-04
4323	194	-8.37	12.29	-3.03	0.0	-1.89e-04	4.28e-04
4323	216	18.82	-6.11	-0.62	0.0	4.82e-04	-1.29e-03
4323	225	11.07	-15.09	1.37	0.0	3.00e-04	-8.33e-04
4323	226	-10.14	14.49	-3.37	0.0	-2.33e-04	5.40e-04
4324	4	0.51	0.42	-2.04	0.0	3.21e-04	-5.85e-05
4324	44	0.45	-1.64	-1.30	0.0	3.06e-04	-5.36e-05
4324	52	0.51	-0.37	-1.84	0.0	3.25e-04	-5.91e-05
4324	68	0.36	0.27	-1.44	0.0	2.32e-04	-4.24e-05
4324	88	0.32	-1.11	-0.94	0.0	2.22e-04	-3.92e-05
4324	92	0.37	-0.26	-1.30	0.0	2.35e-04	-4.29e-05
4324	98	0.31	-0.22	-1.11	0.0	2.08e-04	-3.83e-05
4324	105	0.30	-0.39	-1.02	0.0	2.03e-04	-3.72e-05
4324	107	0.30	-0.21	-1.06	0.0	2.02e-04	-3.73e-05
4324	112	13.09	-3.78	-2.32	0.0	1.18e-03	-6.31e-04
4324	129	7.47	-10.43	1.22	0.0	7.46e-04	-4.11e-04
4324	130	-6.87	10.01	-3.35	0.0	-3.42e-04	3.36e-04
4324	144	14.72	-4.23	-2.47	0.0	1.31e-03	-7.07e-04
4324	161	8.41	-11.73	1.51	0.0	8.17e-04	-4.59e-04
4324	162	-7.82	11.31	-3.64	0.0	-4.13e-04	3.85e-04
4324	176	14.83	-4.21	-2.41	0.0	1.31e-03	-7.00e-04
4324	193	8.66	-11.71	1.47	0.0	8.34e-04	-4.63e-04
4324	194	-8.06	11.29	-3.60	0.0	-4.30e-04	3.88e-04
4324	216	17.70	-5.73	-0.61	0.0	1.53e-03	-8.88e-04
4324	225	10.33	-13.73	1.89	0.0	9.61e-04	-5.45e-04
4324	226	-9.74	13.30	-4.02	0.0	-5.57e-04	4.70e-04
4325	4	0.68	0.40	-2.03	0.0	2.88e-04	-1.23e-04
4325	44	0.62	-1.74	-1.29	0.0	2.74e-04	-1.17e-04
4325	52	0.69	-0.42	-1.83	0.0	2.92e-04	-1.25e-04
4325	68	0.49	0.25	-1.42	0.0	2.08e-04	-8.93e-05
4325	88	0.44	-1.18	-0.94	0.0	1.99e-04	-8.52e-05
4325	92	0.49	-0.30	-1.29	0.0	2.11e-04	-9.06e-05
4325	98	0.42	-0.25	-1.10	0.0	1.86e-04	-8.13e-05
4325	105	0.41	-0.42	-1.01	0.0	1.82e-04	-7.93e-05
4325	107	0.41	-0.24	-1.06	0.0	1.81e-04	-7.91e-05
4325	112	13.70	-3.87	-2.30	0.0	1.05e-03	-7.66e-04
4325	129	7.86	-10.80	1.21	0.0	6.56e-04	-5.04e-04
4325	130	-7.04	10.32	-3.32	0.0	-2.94e-04	3.46e-04
4325	144	15.40	-4.34	-2.45	0.0	1.16e-03	-8.53e-04
4325	161	8.84	-12.14	1.49	0.0	7.18e-04	-5.59e-04
4325	162	-8.02	11.65	-3.60	0.0	-3.56e-04	4.01e-04
4325	176	15.51	-4.30	-2.39	0.0	1.17e-03	-8.47e-04
4325	193	9.09	-12.12	1.45	0.0	7.33e-04	-5.65e-04
4325	194	-8.27	11.63	-3.57	0.0	-3.71e-04	4.07e-04
4325	216	18.48	-5.86	-0.60	0.0	1.33e-03	-1.05e-03
4325	225	10.83	-14.20	1.87	0.0	8.44e-04	-6.59e-04
4325	226	-10.01	13.71	-3.98	0.0	-4.82e-04	5.01e-04
4326	4	0.83	0.38	-2.02	0.0	2.10e-04	-1.92e-04
4326	44	0.76	-1.83	-1.30	0.0	1.98e-04	-1.84e-04
4326	52	0.85	-0.47	-1.83	0.0	2.12e-04	-1.95e-04
4326	68	0.60	0.23	-1.42	0.0	1.51e-04	-1.40e-04
4326	88	0.55	-1.24	-0.94	0.0	1.43e-04	-1.34e-04
4326	92	0.60	-0.34	-1.29	0.0	1.53e-04	-1.42e-04
4326	98	0.52	-0.28	-1.10	0.0	1.35e-04	-1.27e-04
4326	105	0.50	-0.46	-1.01	0.0	1.31e-04	-1.24e-04
4326	107	0.50	-0.27	-1.05	0.0	1.30e-04	-1.24e-04
4326	112	14.22	-3.96	-2.29	0.0	8.03e-04	-9.07e-04
4326	129	8.18	-11.16	1.19	0.0	4.88e-04	-6.01e-04
4326	130	-7.17	10.61	-3.30	0.0	-2.27e-04	3.54e-04

4326	144	15.97	-4.43	-2.44	0.0	8.88e-04	-1.01e-03
4326	161	9.19	-12.53	1.47	0.0	5.35e-04	-6.64e-04
4326	162	-8.18	11.99	-3.58	0.0	-2.74e-04	4.16e-04
4326	176	16.09	-4.40	-2.37	0.0	8.91e-04	-1.00e-03
4326	193	9.45	-12.51	1.43	0.0	5.46e-04	-6.71e-04
4326	194	-8.44	11.97	-3.54	0.0	-2.85e-04	4.23e-04
4326	216	19.13	-5.98	-0.61	0.0	9.91e-04	-1.22e-03
4326	225	11.24	-14.65	1.85	0.0	6.29e-04	-7.77e-04
4326	226	-10.24	14.10	-3.96	0.0	-3.69e-04	5.30e-04
4327	4	0.96	0.36	-2.03	0.0	2.99e-05	-3.18e-04
4327	28	0.98	-1.40	-1.64	0.0	2.93e-05	-3.28e-04
4327	44	0.89	-1.93	-1.31	0.0	2.45e-05	-3.06e-04
4327	68	0.69	0.22	-1.43	0.0	2.04e-05	-2.32e-04
4327	80	0.70	-0.96	-1.17	0.0	2.00e-05	-2.38e-04
4327	88	0.64	-1.31	-0.95	0.0	1.68e-05	-2.24e-04
4327	98	0.61	-0.31	-1.11	0.0	1.52e-05	-2.11e-04
4327	105	0.59	-0.50	-1.02	0.0	1.41e-05	-2.07e-04
4327	107	0.58	-0.30	-1.06	0.0	1.42e-05	-2.06e-04
4327	112	14.61	-4.05	-2.29	0.0	3.27e-04	-1.10e-03
4327	129	8.42	-11.50	1.17	0.0	1.76e-04	-7.39e-04
4327	130	-7.25	10.90	-3.29	0.0	-1.48e-04	3.27e-04
4327	144	16.40	-4.53	-2.44	0.0	3.67e-04	-1.21e-03
4327	161	9.45	-12.92	1.45	0.0	1.98e-04	-8.08e-04
4327	162	-8.28	12.32	-3.57	0.0	-1.69e-04	3.96e-04
4327	176	16.53	-4.49	-2.37	0.0	3.68e-04	-1.20e-03
4327	193	9.72	-12.90	1.41	0.0	2.02e-04	-8.18e-04
4327	194	-8.55	12.29	-3.53	0.0	-1.73e-04	4.06e-04
4327	216	19.60	-6.11	-0.62	0.0	3.89e-04	-1.43e-03
4327	225	11.55	-15.09	1.82	0.0	2.39e-04	-9.37e-04
4327	226	-10.38	14.49	-3.95	0.0	-2.10e-04	5.26e-04
4328	4	0.71	0.34	-1.70	0.0	3.81e-05	-1.10e-04
4328	44	0.64	-2.01	-1.18	0.0	3.14e-05	-1.06e-04
4328	52	0.72	-0.57	-1.58	0.0	3.76e-05	-1.13e-04
4328	68	0.50	0.20	-1.20	0.0	2.65e-05	-8.03e-05
4328	88	0.46	-1.36	-0.85	0.0	2.20e-05	-7.77e-05
4328	92	0.51	-0.40	-1.11	0.0	2.62e-05	-8.20e-05
4328	98	0.44	-0.34	-0.94	0.0	2.08e-05	-7.36e-05
4328	105	0.42	-0.53	-0.87	0.0	1.96e-05	-7.19e-05
4328	107	0.42	-0.33	-0.90	0.0	1.98e-05	-7.16e-05
4328	112	13.77	-4.13	-1.68	0.0	2.77e-04	-7.72e-04
4328	129	7.88	-11.83	0.49	0.0	1.46e-04	-5.10e-04
4328	130	-7.04	11.17	-2.29	0.0	-1.06e-04	3.66e-04
4328	144	15.48	-4.61	-1.77	0.0	3.10e-04	-8.60e-04
4328	161	8.86	-13.28	0.66	0.0	1.62e-04	-5.66e-04
4328	162	-8.02	12.63	-2.46	0.0	-1.22e-04	4.23e-04
4328	176	15.59	-4.57	-1.73	0.0	3.10e-04	-8.52e-04
4328	193	9.10	-13.25	0.64	0.0	1.65e-04	-5.71e-04
4328	194	-8.27	12.60	-2.44	0.0	-1.25e-04	4.28e-04
4328	216	18.41	-6.22	-0.59	0.0	3.00e-04	-1.06e-03
4328	225	10.84	-15.51	0.90	0.0	1.93e-04	-6.67e-04
4328	226	-10.00	14.85	-2.70	0.0	-1.53e-04	5.24e-04
4329	4	0.71	0.32	-1.71	0.0	5.77e-06	-5.59e-05
4329	44	0.64	-2.09	-1.19	0.0	0.0	-5.41e-05
4329	52	0.72	-0.61	-1.58	0.0	4.70e-06	-5.75e-05
4329	68	0.51	0.19	-1.20	0.0	3.03e-06	-4.09e-05
4329	88	0.46	-1.42	-0.85	0.0	0.0	-3.96e-05
4329	92	0.52	-0.43	-1.12	0.0	2.32e-06	-4.19e-05
4329	98	0.44	-0.37	-0.94	0.0	0.0	-3.79e-05
4329	105	0.42	-0.56	-0.87	0.0	-1.27e-06	-3.70e-05
4329	107	0.42	-0.35	-0.90	0.0	0.0	-3.69e-05
4329	112	13.86	-4.20	-1.68	0.0	1.55e-04	-6.85e-04
4329	129	7.92	-12.14	0.49	0.0	6.66e-05	-4.49e-04
4329	130	-7.08	11.43	-2.29	0.0	-6.85e-05	3.75e-04
4329	144	15.58	-4.69	-1.78	0.0	1.74e-04	-7.67e-04
4329	161	8.90	-13.63	0.66	0.0	7.52e-05	-5.02e-04
4329	162	-8.06	12.93	-2.47	0.0	-7.71e-05	4.28e-04
4329	176	15.69	-4.64	-1.74	0.0	1.73e-04	-7.57e-04
4329	193	9.15	-13.60	0.64	0.0	7.51e-05	-5.04e-04
4329	194	-8.31	12.90	-2.45	0.0	-7.70e-05	4.31e-04
4329	216	18.49	-6.32	-0.60	0.0	1.30e-04	-9.58e-04
4329	225	10.89	-15.91	0.90	0.0	8.91e-05	-5.94e-04
4329	226	-10.05	15.20	-2.70	0.0	-9.10e-05	5.20e-04
4330	4	0.71	0.31	-1.72	-3.40e-04	2.80e-05	3.43e-06
4330	44	0.63	-2.16	-1.20	-1.67e-04	2.16e-05	3.04e-06
4330	52	0.72	-0.65	-1.59	-2.87e-04	2.73e-05	2.87e-06

4330	68	0.50	0.18	-1.21	-2.40e-04	1.92e-05	2.13e-06
4330	88	0.45	-1.47	-0.86	-1.25e-04	1.50e-05	1.87e-06
4330	92	0.51	-0.46	-1.13	-2.05e-04	1.87e-05	1.76e-06
4330	98	0.43	-0.39	-0.95	-1.80e-04	1.43e-05	1.01e-06
4330	105	0.41	-0.59	-0.88	-1.61e-04	1.32e-05	0.0
4330	107	0.41	-0.38	-0.91	-1.73e-04	1.35e-05	0.0
4330	112	13.90	-4.27	-1.69	-5.39e-04	1.57e-04	-6.04e-04
4330	129	7.92	-12.45	0.48	3.64e-04	7.41e-05	-3.89e-04
4330	130	-7.10	11.70	-2.30	-7.10e-04	-4.71e-05	3.91e-04
4330	144	15.62	-4.77	-1.78	-5.84e-04	1.75e-04	-6.80e-04
4330	161	8.91	-13.98	0.65	4.31e-04	8.18e-05	-4.39e-04
4330	162	-8.08	13.23	-2.47	-7.77e-04	-5.48e-05	4.41e-04
4330	176	15.73	-4.72	-1.74	-5.63e-04	1.74e-04	-6.69e-04
4330	193	9.16	-13.95	0.63	4.28e-04	8.19e-05	-4.40e-04
4330	194	-8.33	13.20	-2.45	-7.74e-04	-5.49e-05	4.42e-04
4330	216	18.50	-6.42	-0.60	-6.31e-04	1.35e-04	-8.69e-04
4330	225	10.90	-16.31	0.89	5.27e-04	9.46e-05	-5.24e-04
4330	226	-10.08	15.56	-2.71	-8.73e-04	-6.76e-05	5.26e-04
4331	4	0.78	0.34	-1.90	0.0	-1.94e-05	-1.28e-04
4331	44	0.71	-2.01	-1.27	0.0	-2.37e-05	-1.23e-04
4331	52	0.79	-0.57	-1.74	0.0	-2.07e-05	-1.31e-04
4331	68	0.56	0.20	-1.34	0.0	-1.52e-05	-9.27e-05
4331	88	0.51	-1.37	-0.92	0.0	-1.81e-05	-8.96e-05
4331	92	0.56	-0.40	-1.23	0.0	-1.61e-05	-9.46e-05
4331	98	0.48	-0.34	-1.04	0.0	-1.70e-05	-8.46e-05
4331	105	0.46	-0.53	-0.96	0.0	-1.74e-05	-8.26e-05
4331	107	0.47	-0.33	-1.00	0.0	-1.70e-05	-8.22e-05
4331	112	14.16	-4.13	-2.01	0.0	1.77e-04	-7.82e-04
4331	129	8.11	-11.83	0.82	0.0	8.06e-05	-5.18e-04
4331	130	-7.18	11.17	-2.82	0.0	-1.15e-04	3.53e-04
4331	144	15.91	-4.61	-2.13	0.0	2.01e-04	-8.70e-04
4331	161	9.12	-13.28	1.05	0.0	9.31e-05	-5.74e-04
4331	162	-8.19	12.63	-3.05	0.0	-1.27e-04	4.10e-04
4331	176	16.03	-4.57	-2.08	0.0	2.01e-04	-8.62e-04
4331	193	9.38	-13.25	1.02	0.0	9.42e-05	-5.78e-04
4331	194	-8.45	12.60	-3.02	0.0	-1.28e-04	4.14e-04
4331	216	18.97	-6.22	-0.62	0.0	1.88e-04	-1.06e-03
4331	225	11.16	-15.51	1.36	0.0	1.15e-04	-6.74e-04
4331	226	-10.23	14.85	-3.36	0.0	-1.49e-04	5.09e-04
4332	4	0.75	0.32	-1.91	0.0	-6.36e-05	-5.33e-05
4332	44	0.67	-2.09	-1.28	0.0	-6.65e-05	-5.17e-05
4332	52	0.76	-0.61	-1.75	0.0	-6.58e-05	-5.50e-05
4332	68	0.53	0.19	-1.34	0.0	-4.73e-05	-3.88e-05
4332	88	0.48	-1.42	-0.92	0.0	-4.92e-05	-3.78e-05
4332	92	0.54	-0.43	-1.23	0.0	-4.87e-05	-3.99e-05
4332	98	0.46	-0.37	-1.05	0.0	-4.60e-05	-3.59e-05
4332	105	0.44	-0.56	-0.97	0.0	-4.57e-05	-3.51e-05
4332	107	0.44	-0.35	-1.00	0.0	-4.51e-05	-3.49e-05
4332	112	14.18	-4.20	-2.01	0.0	4.92e-05	-6.67e-04
4332	129	8.11	-12.14	0.82	0.0	-6.51e-05	-4.37e-04
4332	130	-7.22	11.44	-2.82	0.0	-2.51e-05	3.67e-04
4332	144	15.93	-4.69	-2.13	0.0	6.11e-05	-7.47e-04
4332	161	9.12	-13.63	1.05	0.0	-6.77e-05	-4.89e-04
4332	162	-8.23	12.93	-3.05	0.0	-2.26e-05	4.19e-04
4332	176	16.05	-4.64	-2.08	0.0	5.84e-05	-7.37e-04
4332	193	9.37	-13.60	1.02	0.0	-6.76e-05	-4.91e-04
4332	194	-8.49	12.90	-3.02	0.0	-2.27e-05	4.21e-04
4332	216	18.98	-6.32	-0.63	0.0	2.32e-05	-9.27e-04
4332	225	11.16	-15.91	1.35	0.0	-7.11e-05	-5.78e-04
4332	226	-10.28	15.20	-3.36	0.0	-1.92e-05	5.08e-04
4333	4	0.70	0.31	-1.92	-3.19e-04	2.80e-05	5.81e-06
4333	44	0.63	-2.16	-1.29	-1.44e-04	2.16e-05	5.43e-06
4333	52	0.71	-0.65	-1.76	-2.64e-04	2.73e-05	5.31e-06
4333	68	0.50	0.18	-1.35	-2.26e-04	1.92e-05	3.88e-06
4333	88	0.45	-1.47	-0.93	-1.09e-04	1.50e-05	3.63e-06
4333	92	0.51	-0.46	-1.24	-1.89e-04	1.87e-05	3.55e-06
4333	98	0.43	-0.39	-1.05	-1.68e-04	1.43e-05	2.66e-06
4333	105	0.41	-0.59	-0.97	-1.49e-04	1.32e-05	2.59e-06
4333	107	0.41	-0.38	-1.01	-1.62e-04	1.35e-05	2.44e-06
4333	112	14.17	-4.27	-2.01	-5.40e-04	1.57e-04	-6.01e-04
4333	129	8.08	-12.46	0.81	3.98e-04	7.41e-05	-3.87e-04
4333	130	-7.26	11.71	-2.83	-7.21e-04	-4.71e-05	3.91e-04
4333	144	15.92	-4.77	-2.14	-5.86e-04	1.75e-04	-6.77e-04
4333	161	9.09	-13.98	1.04	4.68e-04	8.18e-05	-4.37e-04
4333	162	-8.26	13.23	-3.05	-7.91e-04	-5.48e-05	4.42e-04

4333	176	16.04	-4.71	-2.08	-5.65e-04	1.74e-04	-6.66e-04
4333	193	9.34	-13.95	1.01	4.64e-04	8.19e-05	-4.38e-04
4333	194	-8.52	13.20	-3.02	-7.88e-04	-5.49e-05	4.43e-04
4333	216	18.94	-6.42	-0.63	-6.32e-04	1.35e-04	-8.65e-04
4333	225	11.13	-16.31	1.35	5.68e-04	9.46e-05	-5.21e-04
4333	226	-10.31	15.56	-3.36	-8.91e-04	-6.76e-05	5.26e-04
4334	4	0.85	0.34	-2.04	0.0	-1.13e-04	-1.16e-04
4334	44	0.77	-2.01	-1.32	0.0	-1.14e-04	-1.12e-04
4334	52	0.86	-0.57	-1.85	0.0	-1.16e-04	-1.18e-04
4334	68	0.61	0.20	-1.44	0.0	-8.35e-05	-8.37e-05
4334	88	0.56	-1.37	-0.96	0.0	-8.39e-05	-8.09e-05
4334	92	0.61	-0.40	-1.31	0.0	-8.53e-05	-8.56e-05
4334	98	0.53	-0.34	-1.11	0.0	-7.91e-05	-7.60e-05
4334	105	0.51	-0.53	-1.03	0.0	-7.81e-05	-7.41e-05
4334	107	0.51	-0.33	-1.07	0.0	-7.74e-05	-7.37e-05
4334	112	14.53	-4.13	-2.29	0.0	0.0	-7.60e-04
4334	129	8.34	-11.83	1.16	0.0	-1.02e-04	-5.02e-04
4334	130	-7.32	11.17	-3.29	0.0	-5.27e-05	3.54e-04
4334	144	16.31	-4.61	-2.44	0.0	9.35e-06	-8.47e-04
4334	161	9.37	-13.28	1.43	0.0	-1.05e-04	-5.57e-04
4334	162	-8.35	12.63	-3.57	0.0	-4.96e-05	4.10e-04
4334	176	16.44	-4.57	-2.37	0.0	5.98e-06	-8.39e-04
4334	193	9.63	-13.25	1.40	0.0	-1.05e-04	-5.61e-04
4334	194	-8.62	12.60	-3.53	0.0	-4.95e-05	4.13e-04
4334	216	19.49	-6.22	-0.63	0.0	-1.31e-05	-1.02e-03
4334	225	11.46	-15.51	1.81	0.0	-1.10e-04	-6.54e-04
4334	226	-10.44	14.85	-3.94	0.0	-4.49e-05	5.06e-04
4335	4	0.77	0.32	-2.05	0.0	-1.35e-04	-4.04e-05
4335	44	0.70	-2.09	-1.33	0.0	-1.35e-04	-3.95e-05
4335	52	0.78	-0.61	-1.86	0.0	-1.39e-04	-4.20e-05
4335	68	0.55	0.19	-1.44	0.0	-9.90e-05	-2.94e-05
4335	88	0.50	-1.42	-0.96	0.0	-9.92e-05	-2.88e-05
4335	92	0.56	-0.43	-1.32	0.0	-1.01e-04	-3.04e-05
4335	98	0.47	-0.37	-1.12	0.0	-9.27e-05	-2.73e-05
4335	105	0.46	-0.56	-1.03	0.0	-9.14e-05	-2.67e-05
4335	107	0.46	-0.35	-1.07	0.0	-9.05e-05	-2.65e-05
4335	112	14.48	-4.20	-2.29	0.0	-2.92e-05	-6.46e-04
4335	129	8.28	-12.14	1.15	0.0	-1.16e-04	-4.22e-04
4335	130	-7.37	11.44	-3.30	0.0	-6.54e-05	3.69e-04
4335	144	16.26	-4.69	-2.44	0.0	-2.16e-05	-7.24e-04
4335	161	9.31	-13.63	1.42	0.0	-1.19e-04	-4.73e-04
4335	162	-8.40	12.93	-3.57	0.0	-6.22e-05	4.20e-04
4335	176	16.39	-4.64	-2.38	0.0	-2.65e-05	-7.14e-04
4335	193	9.58	-13.60	1.39	0.0	-1.19e-04	-4.74e-04
4335	194	-8.67	12.90	-3.54	0.0	-6.16e-05	4.21e-04
4335	216	19.43	-6.32	-0.63	0.0	-3.45e-05	-8.98e-04
4335	225	11.41	-15.91	1.80	0.0	-1.24e-04	-5.59e-04
4335	226	-10.49	15.20	-3.95	0.0	-5.66e-05	5.06e-04
4336	4	0.70	0.31	-2.06	-3.04e-04	2.80e-05	1.14e-05
4336	44	0.63	-2.16	-1.34	-1.30e-04	2.16e-05	1.18e-05
4336	52	0.71	-0.65	-1.87	-2.49e-04	2.73e-05	1.14e-05
4336	68	0.50	0.18	-1.45	-2.16e-04	1.92e-05	7.85e-06
4336	88	0.45	-1.47	-0.97	-9.90e-05	1.50e-05	8.14e-06
4336	92	0.50	-0.46	-1.33	-1.78e-04	1.87e-05	7.84e-06
4336	98	0.43	-0.39	-1.13	-1.60e-04	1.43e-05	6.27e-06
4336	105	0.41	-0.59	-1.04	-1.42e-04	1.32e-05	6.18e-06
4336	107	0.41	-0.37	-1.08	-1.54e-04	1.35e-05	5.90e-06
4336	112	14.43	-4.27	-2.30	-5.33e-04	1.57e-04	-6.00e-04
4336	129	8.24	-12.46	1.14	4.09e-04	7.41e-05	-3.85e-04
4336	130	-7.42	11.71	-3.30	-7.17e-04	-4.71e-05	3.97e-04
4336	144	16.22	-4.76	-2.45	-5.80e-04	1.75e-04	-6.77e-04
4336	161	9.27	-13.98	1.42	4.80e-04	8.18e-05	-4.35e-04
4336	162	-8.45	13.23	-3.58	-7.88e-04	-5.48e-05	4.47e-04
4336	176	16.35	-4.71	-2.38	-5.58e-04	1.74e-04	-6.66e-04
4336	193	9.53	-13.95	1.38	4.77e-04	8.19e-05	-4.36e-04
4336	194	-8.71	13.20	-3.54	-7.84e-04	-5.49e-05	4.48e-04
4336	216	19.37	-6.42	-0.64	-6.25e-04	1.35e-04	-8.63e-04
4336	225	11.36	-16.31	1.79	5.81e-04	9.46e-05	-5.20e-04
4336	226	-10.54	15.56	-3.95	-8.88e-04	-6.76e-05	5.32e-04
4337	19	0.15	3.58	-1.00	2.15e-03	4.11e-06	-8.71e-04
4337	28	0.48	-2.23	-2.99	-5.06e-04	-1.15e-06	2.42e-04
4337	72	0.17	2.29	-1.15	1.45e-03	2.75e-06	-5.84e-04
4337	80	0.33	-1.51	-2.14	-3.33e-04	0.0	1.61e-04
4337	98	0.26	-0.38	-1.77	6.16e-05	0.0	-1.16e-05
4337	105	0.25	-0.72	-1.74	-7.58e-05	0.0	4.66e-05

4337	107	0.25	-0.36	-1.71	5.92e-05	0.0	-1.13e-05
4337	108	8.25	-2.21	-1.90	1.22e-05	2.22e-06	-5.55e-04
4337	129	-1.78	-11.55	-3.70	1.40e-04	-1.65e-06	2.44e-05
4337	140	9.25	-2.45	-1.92	6.38e-06	2.50e-06	-6.24e-04
4337	161	-2.03	-12.97	-3.94	1.50e-04	-1.86e-06	2.83e-05
4337	172	8.82	-2.38	-1.91	7.64e-06	2.39e-06	-6.14e-04
4337	193	-2.05	-12.90	-3.93	1.49e-04	-1.87e-06	2.02e-05
4337	204	10.08	-2.71	-1.94	0.0	2.73e-06	-7.16e-04
4337	225	-2.42	-15.06	-4.30	1.64e-04	-2.19e-06	2.00e-05
4338	19	0.16	3.06	-0.91	1.71e-03	0.0	-9.18e-04
4338	28	0.48	-2.08	-2.83	-3.78e-04	0.0	2.56e-04
4338	80	0.33	-1.42	-2.02	-2.47e-04	0.0	1.70e-04
4338	88	0.29	-2.01	-1.93	-4.64e-04	0.0	2.93e-04
4338	98	0.26	-0.38	-1.66	5.84e-05	0.0	-1.18e-05
4338	105	0.25	-0.69	-1.64	-4.90e-05	0.0	4.96e-05
4338	107	0.25	-0.37	-1.60	5.63e-05	0.0	-1.15e-05
4338	108	8.25	-2.51	-1.84	-2.83e-05	0.0	-5.40e-04
4338	129	-1.77	-11.64	-3.65	2.11e-04	0.0	3.57e-05
4338	140	9.25	-2.78	-1.87	-3.89e-05	0.0	-6.07e-04
4338	161	-2.03	-13.07	-3.90	2.31e-04	0.0	4.10e-05
4338	172	8.82	-2.71	-1.85	-3.47e-05	0.0	-5.98e-04
4338	193	-2.05	-13.01	-3.88	2.29e-04	0.0	3.13e-05
4338	204	10.08	-3.09	-1.89	-4.80e-05	0.0	-6.96e-04
4338	225	-2.42	-15.19	-4.27	2.58e-04	0.0	3.21e-05
4339	4	0.90	1.66	-2.93	8.89e-04	0.0	-1.14e-04
4339	28	0.92	-3.96	-2.57	-1.50e-03	0.0	2.20e-04
4339	44	0.83	-6.20	-2.18	-2.58e-03	0.0	3.69e-04
4339	68	0.64	1.08	-2.09	5.98e-04	0.0	-7.64e-05
4339	80	0.66	-2.66	-1.85	-9.93e-04	0.0	1.46e-04
4339	88	0.60	-4.16	-1.59	-1.72e-03	0.0	2.46e-04
4339	98	0.56	-0.30	-1.72	6.67e-05	0.0	-2.65e-06
4339	105	0.54	-1.06	-1.62	-2.93e-04	0.0	4.69e-05
4339	107	0.54	-0.29	-1.66	6.43e-05	0.0	-2.67e-06
4339	112	14.54	-2.73	-2.62	-4.91e-05	0.0	-6.42e-04
4339	124	0.15	8.21	-3.71	1.72e-04	0.0	9.76e-05
4339	129	8.36	-11.80	0.09	-4.62e-05	0.0	-4.54e-04
4339	144	16.33	-3.04	-2.74	-6.33e-05	0.0	-7.23e-04
4339	156	0.09	9.28	-3.96	1.86e-04	0.0	1.11e-04
4339	161	9.39	-13.26	0.31	-6.02e-05	0.0	-5.12e-04
4339	176	16.45	-3.01	-2.68	-5.98e-05	0.0	-7.11e-04
4339	188	0.01	9.23	-3.92	1.84e-04	0.0	1.14e-04
4339	193	9.66	-13.19	0.29	-6.09e-05	0.0	-5.14e-04
4339	216	19.52	-4.12	-2.76	1.61e-04	0.0	-9.02e-04
4339	220	-0.14	10.82	-4.28	2.04e-04	0.0	1.38e-04
4339	225	11.48	-15.40	0.62	-8.26e-05	0.0	-6.10e-04
4340	4	0.96	0.75	-2.25	3.00e-04	0.0	-5.93e-04
4340	28	0.98	-2.17	-1.87	-3.78e-04	0.0	1.18e-03
4340	44	0.89	-3.22	-1.53	-7.00e-04	0.0	1.97e-03
4340	68	0.69	0.48	-1.59	2.04e-04	0.0	-3.96e-04
4340	80	0.70	-1.47	-1.34	-2.48e-04	0.0	7.86e-04
4340	88	0.64	-2.17	-1.11	-4.62e-04	0.0	1.31e-03
4340	98	0.61	-0.31	-1.26	5.52e-05	0.0	-2.54e-06
4340	105	0.59	-0.67	-1.17	-5.11e-05	0.0	2.60e-04
4340	107	0.59	-0.30	-1.21	5.33e-05	0.0	-2.59e-06
4340	112	14.62	-3.85	-2.37	-1.34e-04	0.0	-4.11e-04
4340	128	-1.90e-03	7.46	-3.40	-1.86e-04	0.0	-6.12e-04
4340	129	8.42	-11.76	0.54	3.70e-04	0.0	4.08e-04
4340	144	16.41	-4.30	-2.52	-1.57e-04	0.0	-4.62e-04
4340	156	0.13	8.53	-3.67	-2.97e-04	0.0	-6.69e-04
4340	161	9.45	-13.21	0.76	4.09e-04	0.0	4.58e-04
4340	176	16.53	-4.26	-2.45	-1.48e-04	0.0	-4.61e-04
4340	192	-0.01	8.35	-3.63	-2.12e-04	0.0	-6.79e-04
4340	193	9.72	-13.17	0.75	4.06e-04	0.0	4.41e-04
4340	216	19.61	-5.79	-2.66	1.33e-04	0.0	-6.45e-04
4340	224	-0.04	9.74	-4.03	-2.55e-04	0.0	-7.92e-04
4340	225	11.55	-15.41	1.07	4.66e-04	0.0	5.05e-04
4341	4	0.93	1.55	-2.79	8.31e-04	0.0	-2.44e-04
4341	28	0.95	-3.75	-2.43	-1.39e-03	0.0	4.79e-04
4341	44	0.85	-5.84	-2.05	-2.40e-03	0.0	8.00e-04
4341	68	0.66	1.01	-1.99	5.59e-04	0.0	-1.63e-04
4341	80	0.68	-2.52	-1.75	-9.24e-04	0.0	3.19e-04
4341	88	0.61	-3.92	-1.49	-1.60e-03	0.0	5.33e-04
4341	98	0.58	-0.31	-1.63	6.46e-05	0.0	-2.98e-06
4341	105	0.56	-1.01	-1.53	-2.71e-04	0.0	1.04e-04
4341	107	0.56	-0.29	-1.57	6.23e-05	0.0	-2.99e-06

4341	112	14.58	-3.06	-2.57	-5.22e-05	0.0	-5.68e-04
4341	124	0.17	8.18	-3.65	1.83e-04	0.0	3.62e-05
4341	129	8.39	-11.97	0.18	-6.13e-05	0.0	-3.48e-04
4341	144	16.36	-3.42	-2.70	-6.66e-05	0.0	-6.40e-04
4341	156	0.11	9.25	-3.91	1.98e-04	0.0	4.13e-05
4341	161	9.42	-13.45	0.40	-7.69e-05	0.0	-3.92e-04
4341	176	16.49	-3.38	-2.64	-6.30e-05	0.0	-6.33e-04
4341	188	0.03	9.20	-3.87	1.96e-04	0.0	4.00e-05
4341	193	9.68	-13.39	0.39	-7.74e-05	0.0	-3.91e-04
4341	216	19.56	-4.60	-2.75	1.62e-04	0.0	-8.19e-04
4341	220	-0.12	10.79	-4.24	2.18e-04	0.0	4.89e-05
4341	225	11.51	-15.64	0.71	-1.02e-04	0.0	-4.64e-04
4342	4	0.95	1.35	-2.63	7.03e-04	0.0	-3.72e-04
4342	28	0.96	-3.37	-2.26	-1.15e-03	0.0	7.33e-04
4342	44	0.87	-5.21	-1.89	-2.00e-03	0.0	1.22e-03
4342	68	0.68	0.88	-1.87	4.73e-04	0.0	-2.48e-04
4342	80	0.69	-2.27	-1.62	-7.62e-04	0.0	4.88e-04
4342	88	0.63	-3.50	-1.38	-1.33e-03	0.0	8.15e-04
4342	98	0.59	-0.31	-1.52	6.18e-05	0.0	-3.27e-06
4342	105	0.57	-0.93	-1.43	-2.19e-04	0.0	1.60e-04
4342	107	0.57	-0.30	-1.47	5.96e-05	0.0	-3.27e-06
4342	112	14.60	-3.36	-2.52	-2.34e-05	0.0	-5.04e-04
4342	124	0.18	8.06	-3.58	1.20e-04	0.0	-3.77e-04
4342	129	8.41	-12.02	0.29	-2.58e-06	0.0	1.13e-04
4342	144	16.39	-3.76	-2.65	-3.39e-05	0.0	-5.68e-04
4342	156	0.12	9.11	-3.85	1.27e-04	0.0	-4.24e-04
4342	161	9.44	-13.50	0.51	-1.04e-05	0.0	1.26e-04
4342	176	16.51	-3.72	-2.58	-3.27e-05	0.0	-5.63e-04
4342	188	0.04	9.07	-3.80	1.25e-04	0.0	-4.13e-04
4342	193	9.70	-13.45	0.50	-1.06e-05	0.0	1.13e-04
4342	216	19.58	-5.04	-2.73	1.12e-04	0.0	-7.47e-04
4342	220	-0.11	10.64	-4.18	1.36e-04	0.0	-4.79e-04
4342	225	11.53	-15.72	0.82	-2.30e-05	0.0	1.24e-04
4343	4	0.08	0.42	-2.83	-5.80e-04	-2.53e-04	-5.60e-06
4343	44	0.05	-0.84	-2.08	-3.45e-04	-2.54e-04	-2.24e-05
4343	52	0.08	-0.05	-2.65	-5.10e-04	-2.61e-04	-8.65e-06
4343	68	0.05	0.28	-2.02	-4.11e-04	-1.84e-04	-3.99e-06
4343	88	0.04	-0.56	-1.52	-2.55e-04	-1.85e-04	-1.52e-05
4343	92	0.06	-0.04	-1.89	-3.65e-04	-1.89e-04	-6.03e-06
4343	98	0.05	-0.03	-1.66	-3.18e-04	-1.69e-04	-4.92e-06
4343	105	0.04	-0.14	-1.56	-2.91e-04	-1.66e-04	-6.64e-06
4343	107	0.04	-0.03	-1.60	-3.07e-04	-1.64e-04	-4.65e-06
4343	112	8.93	-1.63	-2.63	-7.14e-04	-4.28e-04	-3.73e-04
4343	128	-0.32	3.57	-3.68	-9.78e-04	-1.38e-04	1.23e-05
4343	129	5.06	-5.36	0.14	5.05e-04	-3.70e-04	-2.25e-04
4343	144	10.06	-1.84	-2.75	-7.65e-04	-4.61e-04	-4.19e-04
4343	156	-0.27	4.05	-3.94	-1.22e-03	-1.34e-04	1.78e-05
4343	161	5.72	-6.04	0.36	6.07e-04	-3.97e-04	-2.54e-04
4343	176	10.14	-1.85	-2.70	-7.45e-04	-4.60e-04	-4.18e-04
4343	192	-0.33	3.96	-3.91	-1.06e-03	-1.35e-04	1.19e-05
4343	193	5.89	-6.04	0.34	5.93e-04	-4.03e-04	-2.57e-04
4343	216	12.23	-2.54	-2.89	-2.34e-04	-5.41e-04	-5.31e-04
4343	224	-0.34	4.60	-4.29	-1.18e-03	-1.31e-04	1.27e-05
4343	225	7.06	-7.09	0.66	7.42e-04	-4.50e-04	-3.07e-04
4344	4	0.96	1.08	-2.44	5.19e-04	0.0	-4.97e-04
4344	28	0.97	-2.83	-2.07	-7.99e-04	0.0	9.83e-04
4344	44	0.88	-4.31	-1.71	-1.41e-03	0.0	1.64e-03
4344	68	0.69	0.70	-1.74	3.50e-04	0.0	-3.32e-04
4344	80	0.70	-1.91	-1.48	-5.28e-04	0.0	6.55e-04
4344	88	0.63	-2.89	-1.25	-9.33e-04	0.0	1.09e-03
4344	98	0.60	-0.31	-1.39	5.83e-05	0.0	-3.27e-06
4344	105	0.58	-0.81	-1.30	-1.43e-04	0.0	2.16e-04
4344	107	0.58	-0.30	-1.34	5.63e-05	0.0	-3.28e-06
4344	112	14.61	-3.63	-2.45	-6.69e-06	0.0	-4.49e-04
4344	124	0.19	7.83	-3.49	-2.56e-05	0.0	-4.95e-04
4344	129	8.42	-11.94	0.41	1.44e-04	0.0	2.75e-04
4344	144	16.40	-4.06	-2.58	-1.45e-05	0.0	-5.05e-04
4344	156	0.13	8.86	-3.76	-3.59e-05	0.0	-5.56e-04
4344	161	9.45	-13.41	0.63	1.55e-04	0.0	3.09e-04
4344	176	16.52	-4.02	-2.52	-1.22e-05	0.0	-5.03e-04
4344	188	0.05	8.82	-3.72	-3.41e-05	0.0	-5.44e-04
4344	193	9.72	-13.37	0.62	1.54e-04	0.0	2.93e-04
4344	216	19.60	-5.44	-2.70	7.10e-05	0.0	-6.86e-04
4344	224	-0.04	10.12	-4.11	-2.05e-05	0.0	-6.60e-04
4344	225	11.55	-15.63	0.95	1.71e-04	0.0	3.33e-04

4345	4	0.85	0.60	-2.25	2.98e-04	0.0	-4.11e-04
4345	44	0.77	-2.88	-1.53	-6.96e-04	0.0	1.37e-03
4345	52	0.86	-0.57	-2.06	9.12e-05	0.0	0.0
4345	68	0.60	0.38	-1.60	2.03e-04	0.0	-2.75e-04
4345	88	0.56	-1.94	-1.11	-4.60e-04	0.0	9.14e-04
4345	92	0.61	-0.40	-1.47	6.51e-05	0.0	0.0
4345	98	0.53	-0.34	-1.26	5.50e-05	0.0	-1.11e-06
4345	105	0.51	-0.64	-1.17	-5.07e-05	0.0	1.82e-04
4345	107	0.51	-0.33	-1.21	5.32e-05	0.0	-1.22e-06
4345	112	14.52	-3.89	-2.37	-1.32e-04	0.0	-4.64e-04
4345	128	-0.08	7.55	-3.40	-1.83e-04	0.0	-4.68e-04
4345	129	8.33	-11.94	0.54	3.66e-04	0.0	2.25e-04
4345	144	16.31	-4.34	-2.52	-1.55e-04	0.0	-5.23e-04
4345	156	0.05	8.64	-3.67	-2.94e-04	0.0	-5.11e-04
4345	161	9.36	-13.41	0.76	4.05e-04	0.0	2.52e-04
4345	176	16.43	-4.30	-2.45	-1.46e-04	0.0	-5.19e-04
4345	192	-0.09	8.45	-3.63	-2.10e-04	0.0	-5.19e-04
4345	193	9.63	-13.37	0.75	4.02e-04	0.0	2.37e-04
4345	216	19.49	-5.85	-2.67	1.32e-04	0.0	-7.05e-04
4345	224	-0.12	9.87	-4.03	-2.52e-04	0.0	-6.08e-04
4345	225	11.46	-15.64	1.07	4.62e-04	0.0	2.67e-04
4346	4	0.77	0.45	-2.26	3.02e-04	0.0	-2.10e-04
4346	44	0.70	-2.54	-1.53	-7.12e-04	0.0	7.18e-04
4346	52	0.78	-0.61	-2.07	9.05e-05	0.0	4.15e-06
4346	68	0.55	0.28	-1.60	2.06e-04	0.0	-1.40e-04
4346	88	0.50	-1.72	-1.11	-4.70e-04	0.0	4.78e-04
4346	92	0.56	-0.44	-1.47	6.46e-05	0.0	2.56e-06
4346	98	0.47	-0.37	-1.26	5.46e-05	0.0	1.30e-06
4346	105	0.46	-0.62	-1.17	-5.31e-05	0.0	9.64e-05
4346	107	0.46	-0.35	-1.21	5.27e-05	0.0	1.07e-06
4346	112	14.48	-3.93	-2.37	-1.27e-04	0.0	-5.30e-04
4346	128	-0.14	7.64	-3.40	-1.77e-04	0.0	-3.53e-04
4346	129	8.28	-12.12	0.54	3.56e-04	0.0	6.51e-05
4346	144	16.26	-4.38	-2.52	-1.49e-04	0.0	-5.97e-04
4346	156	-2.22e-03	8.75	-3.67	-2.83e-04	0.0	-3.86e-04
4346	161	9.31	-13.60	0.76	3.95e-04	0.0	7.23e-05
4346	176	16.39	-4.34	-2.45	-1.40e-04	0.0	-5.91e-04
4346	192	-0.15	8.55	-3.64	-2.02e-04	0.0	-3.94e-04
4346	193	9.58	-13.57	0.75	3.92e-04	0.0	6.13e-05
4346	216	19.43	-5.92	-2.67	1.28e-04	0.0	-7.80e-04
4346	224	-0.18	9.99	-4.04	-2.43e-04	0.0	-4.65e-04
4346	225	11.41	-15.86	1.07	4.49e-04	0.0	6.41e-05
4347	4	0.70	0.30	-2.26	-3.11e-04	-3.29e-04	1.38e-05
4347	44	0.63	-2.17	-1.53	-1.36e-04	-3.19e-04	1.62e-05
4347	52	0.71	-0.66	-2.07	-2.55e-04	-3.33e-04	1.45e-05
4347	68	0.50	0.17	-1.60	-2.20e-04	-2.43e-04	9.44e-06
4347	88	0.45	-1.48	-1.11	-1.04e-04	-2.37e-04	1.10e-05
4347	92	0.50	-0.47	-1.47	-1.83e-04	-2.46e-04	9.93e-06
4347	98	0.43	-0.39	-1.26	-1.65e-04	-2.29e-04	7.75e-06
4347	105	0.41	-0.59	-1.17	-1.47e-04	-2.26e-04	7.77e-06
4347	107	0.41	-0.38	-1.21	-1.59e-04	-2.25e-04	7.24e-06
4347	112	14.43	-3.96	-2.37	-5.28e-04	-3.42e-04	-6.05e-04
4347	128	-0.19	7.73	-3.40	-8.58e-04	-2.11e-04	5.66e-05
4347	129	8.24	-12.29	0.54	4.03e-04	-3.21e-04	-3.86e-04
4347	144	16.22	-4.42	-2.52	-5.74e-04	-3.57e-04	-6.83e-04
4347	156	-0.05	8.86	-3.67	-9.46e-04	-2.08e-04	7.27e-05
4347	161	9.27	-13.80	0.76	4.74e-04	-3.34e-04	-4.36e-04
4347	176	16.35	-4.37	-2.45	-5.53e-04	-3.55e-04	-6.72e-04
4347	192	-0.20	8.65	-3.64	-9.33e-04	-2.10e-04	5.93e-05
4347	193	9.53	-13.76	0.75	4.70e-04	-3.34e-04	-4.38e-04
4347	216	19.37	-5.98	-2.67	-6.18e-04	-3.94e-04	-8.68e-04
4347	224	-0.23	10.11	-4.04	-1.06e-03	-2.08e-04	6.51e-05
4347	225	11.36	-16.08	1.07	5.74e-04	-3.56e-04	-5.22e-04
4348	4	0.85	0.82	-2.44	5.17e-04	0.0	-3.44e-04
4348	44	0.77	-3.61	-1.71	-1.40e-03	0.0	1.15e-03
4348	52	0.86	-0.57	-2.26	9.68e-05	0.0	0.0
4348	68	0.60	0.52	-1.74	3.49e-04	0.0	-2.29e-04
4348	88	0.55	-2.43	-1.25	-9.30e-04	0.0	7.64e-04
4348	92	0.61	-0.40	-1.61	6.91e-05	0.0	0.0
4348	98	0.53	-0.34	-1.39	5.83e-05	0.0	0.0
4348	105	0.51	-0.74	-1.30	-1.42e-04	0.0	1.52e-04
4348	107	0.51	-0.33	-1.34	5.63e-05	0.0	-1.10e-06
4348	112	14.52	-3.64	-2.45	-5.58e-06	0.0	-4.91e-04
4348	124	0.11	7.84	-3.49	-2.21e-05	0.0	-3.98e-04
4348	129	8.33	-12.01	0.41	1.41e-04	0.0	1.47e-04

4348	144	16.31	-4.06	-2.58	-1.33e-05	0.0	-5.53e-04
4348	156	0.05	8.87	-3.76	-3.19e-05	0.0	-4.48e-04
4348	161	9.36	-13.49	0.63	1.51e-04	0.0	1.64e-04
4348	176	16.43	-4.02	-2.52	-1.11e-05	0.0	-5.49e-04
4348	188	-0.03	8.83	-3.72	-3.01e-05	0.0	-4.36e-04
4348	193	9.63	-13.44	0.62	1.50e-04	0.0	1.51e-04
4348	216	19.49	-5.48	-2.70	7.06e-05	0.0	-7.34e-04
4348	224	-0.12	10.14	-4.11	-1.64e-05	0.0	-5.34e-04
4348	225	11.45	-15.71	0.94	1.66e-04	0.0	1.67e-04
4349	4	0.77	0.56	-2.44	5.23e-04	0.0	-1.74e-04
4349	44	0.70	-2.91	-1.71	-1.42e-03	0.0	6.00e-04
4349	52	0.78	-0.62	-2.26	9.71e-05	0.0	5.01e-06
4349	68	0.55	0.35	-1.74	3.53e-04	0.0	-1.16e-04
4349	88	0.50	-1.97	-1.25	-9.41e-04	0.0	4.00e-04
4349	92	0.56	-0.44	-1.61	6.93e-05	0.0	3.16e-06
4349	98	0.47	-0.37	-1.39	5.85e-05	0.0	1.87e-06
4349	105	0.46	-0.67	-1.30	-1.44e-04	0.0	8.11e-05
4349	107	0.46	-0.35	-1.34	5.65e-05	0.0	1.61e-06
4349	112	14.48	-3.65	-2.45	-2.78e-06	0.0	-5.44e-04
4349	124	0.06	7.85	-3.49	-1.14e-05	0.0	-3.33e-04
4349	129	8.28	-12.08	0.41	1.30e-04	0.0	4.53e-05
4349	144	16.26	-4.07	-2.58	-1.02e-05	0.0	-6.13e-04
4349	156	-2.23e-03	8.88	-3.76	-1.99e-05	0.0	-3.75e-04
4349	161	9.31	-13.56	0.63	1.39e-04	0.0	5.01e-05
4349	176	16.39	-4.03	-2.52	-8.56e-06	0.0	-6.06e-04
4349	188	-0.08	8.84	-3.72	-1.82e-05	0.0	-3.67e-04
4349	193	9.58	-13.51	0.62	1.38e-04	0.0	4.06e-05
4349	216	19.43	-5.51	-2.70	6.96e-05	0.0	-7.96e-04
4349	224	-0.18	10.14	-4.11	-3.69e-06	0.0	-4.54e-04
4349	225	11.41	-15.79	0.94	1.52e-04	0.0	4.08e-05
4350	4	0.70	0.29	-2.45	-3.17e-04	-3.12e-04	2.90e-06
4350	44	0.63	-2.18	-1.71	-1.42e-04	-3.02e-04	3.86e-05
4350	52	0.71	-0.67	-2.26	-2.62e-04	-3.16e-04	1.13e-05
4350	68	0.50	0.17	-1.74	-2.25e-04	-2.30e-04	1.99e-06
4350	88	0.45	-1.48	-1.25	-1.09e-04	-2.23e-04	2.58e-05
4350	92	0.51	-0.47	-1.61	-1.88e-04	-2.32e-04	7.59e-06
4350	98	0.43	-0.40	-1.39	-1.70e-04	-2.15e-04	5.67e-06
4350	105	0.41	-0.59	-1.30	-1.52e-04	-2.12e-04	9.13e-06
4350	107	0.41	-0.38	-1.34	-1.64e-04	-2.11e-04	5.22e-06
4350	112	14.44	-3.66	-2.45	-5.23e-04	-3.26e-04	-6.00e-04
4350	124	0.01	7.84	-3.49	-8.56e-04	-1.95e-04	5.56e-05
4350	129	8.24	-12.13	0.41	3.98e-04	-3.07e-04	-3.76e-04
4350	144	16.22	-4.07	-2.58	-5.67e-04	-3.41e-04	-6.77e-04
4350	156	-0.05	8.88	-3.76	-9.42e-04	-1.92e-04	6.24e-05
4350	161	9.27	-13.61	0.63	4.68e-04	-3.20e-04	-4.25e-04
4350	176	16.35	-4.03	-2.52	-5.47e-04	-3.39e-04	-6.67e-04
4350	188	-0.12	8.84	-3.72	-9.30e-04	-1.92e-04	6.39e-05
4350	193	9.53	-13.57	0.62	4.64e-04	-3.20e-04	-4.26e-04
4350	216	19.37	-5.53	-2.70	-6.10e-04	-3.78e-04	-8.62e-04
4350	224	-0.23	10.14	-4.11	-1.06e-03	-1.93e-04	5.24e-05
4350	225	11.36	-15.85	0.94	5.68e-04	-3.41e-04	-5.08e-04
4351	4	0.32	1.01	-3.05	-8.39e-04	0.0	5.97e-05
4351	44	0.27	-3.48	-2.30	3.11e-03	0.0	-1.89e-04
4351	52	0.33	-0.34	-2.88	9.49e-05	0.0	2.48e-06
4351	68	0.23	0.66	-2.18	-5.55e-04	0.0	3.99e-05
4351	88	0.19	-2.33	-1.68	2.08e-03	0.0	-1.26e-04
4351	92	0.23	-0.24	-2.06	6.73e-05	0.0	1.71e-06
4351	98	0.19	-0.20	-1.80	5.63e-05	0.0	1.56e-06
4351	105	0.18	-0.62	-1.70	4.57e-04	0.0	-2.41e-05
4351	107	0.18	-0.19	-1.74	5.41e-05	0.0	1.45e-06
4351	112	12.59	-2.09	-2.67	-6.05e-04	0.0	-5.84e-04
4351	124	-0.19	7.06	-3.76	-1.17e-03	0.0	7.69e-05
4351	129	7.14	-9.95	8.47e-03	1.28e-03	0.0	-3.95e-04
4351	144	14.17	-2.33	-2.78	-6.87e-04	0.0	-6.58e-04
4351	156	-0.24	7.98	-4.01	-1.33e-03	0.0	8.69e-05
4351	161	8.05	-11.18	0.23	1.43e-03	0.0	-4.46e-04
4351	176	14.28	-2.32	-2.73	-6.60e-04	0.0	-6.48e-04
4351	188	-0.31	7.92	-3.97	-1.31e-03	0.0	8.96e-05
4351	193	8.29	-11.12	0.22	1.41e-03	0.0	-4.48e-04
4351	216	17.04	-3.26	-2.75	2.92e-04	0.0	-8.25e-04
4351	220	-0.45	9.28	-4.33	-1.53e-03	0.0	1.08e-04
4351	225	9.91	-13.00	0.54	1.64e-03	0.0	-5.33e-04
4352	4	0.32	0.99	-3.04	-8.17e-04	0.0	5.64e-05
4352	44	0.27	-3.43	-2.28	3.06e-03	0.0	-1.78e-04
4352	52	0.33	-0.34	-2.86	9.96e-05	0.0	2.46e-06

4352	68	0.23	0.65	-2.17	-5.40e-04	0.0	3.77e-05
4352	88	0.20	-2.30	-1.66	2.04e-03	0.0	-1.19e-04
4352	92	0.23	-0.24	-2.05	7.06e-05	0.0	1.70e-06
4352	98	0.19	-0.20	-1.79	5.93e-05	0.0	1.55e-06
4352	105	0.18	-0.61	-1.69	4.53e-04	0.0	-2.26e-05
4352	107	0.18	-0.20	-1.73	5.69e-05	0.0	1.44e-06
4352	112	12.59	-1.93	-2.64	-5.71e-04	0.0	-5.84e-04
4352	124	-0.18	7.07	-3.72	-1.12e-03	0.0	7.70e-05
4352	129	7.14	-9.85	-2.12e-03	1.24e-03	0.0	-3.95e-04
4352	144	14.17	-2.15	-2.75	-6.50e-04	0.0	-6.58e-04
4352	156	-0.24	7.98	-3.97	-1.27e-03	0.0	8.70e-05
4352	161	8.06	-11.07	0.21	1.38e-03	0.0	-4.46e-04
4352	176	14.28	-2.14	-2.70	-6.25e-04	0.0	-6.48e-04
4352	188	-0.31	7.92	-3.93	-1.25e-03	0.0	8.96e-05
4352	193	8.29	-11.01	0.20	1.37e-03	0.0	-4.48e-04
4352	216	17.04	-3.04	-2.78	2.69e-04	0.0	-8.25e-04
4352	220	-0.44	9.28	-4.29	-1.47e-03	0.0	1.08e-04
4352	225	9.91	-12.87	0.52	1.58e-03	0.0	-5.33e-04
4353	4	0.50	1.43	-3.07	-5.67e-04	0.0	1.27e-04
4353	44	0.44	-5.07	-2.32	2.24e-03	0.0	-3.99e-04
4353	52	0.51	-0.40	-2.89	1.03e-04	0.0	6.38e-06
4353	68	0.35	0.94	-2.19	-3.74e-04	0.0	8.52e-05
4353	88	0.32	-3.39	-1.69	1.50e-03	0.0	-2.66e-04
4353	92	0.36	-0.28	-2.07	7.33e-05	0.0	4.46e-06
4353	98	0.30	-0.23	-1.81	6.16e-05	0.0	3.90e-06
4353	105	0.29	-0.85	-1.71	3.45e-04	0.0	-5.02e-05
4353	107	0.29	-0.22	-1.75	5.92e-05	0.0	3.68e-06
4353	112	13.25	-2.21	-2.68	-5.09e-04	0.0	-6.45e-04
4353	124	-0.08	7.53	-3.76	-9.98e-04	0.0	1.37e-04
4353	129	7.55	-10.60	-2.90e-03	1.12e-03	0.0	-4.86e-04
4353	144	14.90	-2.46	-2.79	-5.80e-04	0.0	-7.27e-04
4353	156	-0.15	8.51	-4.02	-1.13e-03	0.0	1.54e-04
4353	161	8.50	-11.91	0.22	1.25e-03	0.0	-5.49e-04
4353	176	15.01	-2.44	-2.74	-5.57e-04	0.0	-7.14e-04
4353	188	-0.21	8.45	-3.98	-1.11e-03	0.0	1.58e-04
4353	193	8.75	-11.85	0.20	1.23e-03	0.0	-5.50e-04
4353	216	17.88	-3.41	-2.75	2.61e-04	0.0	-8.98e-04
4353	220	-0.36	9.91	-4.33	-1.31e-03	0.0	1.88e-04
4353	225	10.44	-13.84	0.53	1.43e-03	0.0	-6.53e-04
4354	4	0.50	1.40	-3.04	-5.43e-04	0.0	1.23e-04
4354	44	0.44	-4.95	-2.28	2.17e-03	0.0	-3.85e-04
4354	52	0.51	-0.40	-2.86	1.05e-04	0.0	6.38e-06
4354	68	0.35	0.91	-2.17	-3.58e-04	0.0	8.25e-05
4354	88	0.32	-3.31	-1.66	1.45e-03	0.0	-2.57e-04
4354	92	0.36	-0.28	-2.05	7.44e-05	0.0	4.46e-06
4354	98	0.30	-0.24	-1.79	6.25e-05	0.0	3.90e-06
4354	105	0.29	-0.84	-1.69	3.36e-04	0.0	-4.84e-05
4354	107	0.29	-0.23	-1.73	6.00e-05	0.0	3.67e-06
4354	112	13.25	-2.03	-2.64	-4.75e-04	0.0	-6.45e-04
4354	124	-0.08	7.51	-3.72	-9.48e-04	0.0	1.37e-04
4354	129	7.55	-10.47	-1.98e-03	1.07e-03	0.0	-4.86e-04
4354	144	14.90	-2.27	-2.75	-5.42e-04	0.0	-7.27e-04
4354	156	-0.15	8.48	-3.97	-1.07e-03	0.0	1.54e-04
4354	161	8.50	-11.77	0.21	1.20e-03	0.0	-5.49e-04
4354	176	15.01	-2.25	-2.70	-5.21e-04	0.0	-7.14e-04
4354	188	-0.21	8.43	-3.93	-1.06e-03	0.0	1.57e-04
4354	193	8.75	-11.70	0.20	1.18e-03	0.0	-5.49e-04
4354	216	17.88	-3.16	-2.78	2.34e-04	0.0	-8.98e-04
4354	220	-0.36	9.87	-4.29	-1.24e-03	0.0	1.88e-04
4354	225	10.44	-13.67	0.52	1.37e-03	0.0	-6.52e-04
4355	4	0.69	1.66	-3.07	-1.57e-04	0.0	1.88e-04
4355	44	0.62	-6.01	-2.31	8.96e-04	0.0	-5.95e-04
4355	52	0.70	-0.45	-2.89	1.08e-04	0.0	7.62e-06
4355	68	0.49	1.09	-2.19	-1.00e-04	0.0	1.26e-04
4355	88	0.45	-4.02	-1.69	6.02e-04	0.0	-3.97e-04
4355	92	0.50	-0.32	-2.07	7.70e-05	0.0	5.30e-06
4355	98	0.42	-0.27	-1.81	6.48e-05	0.0	4.55e-06
4355	105	0.41	-1.00	-1.71	1.69e-04	0.0	-7.59e-05
4355	107	0.41	-0.26	-1.75	6.23e-05	0.0	4.28e-06
4355	112	13.90	-2.30	-2.67	-3.50e-04	0.0	-7.06e-04
4355	124	0.02	7.90	-3.76	-7.08e-04	0.0	1.96e-04
4355	129	7.95	-11.13	-2.85e-03	8.34e-04	0.0	-5.77e-04
4355	144	15.63	-2.57	-2.79	-4.01e-04	0.0	-7.96e-04
4355	156	-0.04	8.93	-4.01	-8.04e-04	0.0	2.21e-04
4355	161	8.95	-12.51	0.22	9.31e-04	0.0	-6.51e-04

4355	176	15.74	-2.54	-2.74	-3.84e-04	0.0	-7.79e-04
4355	188	-0.11	8.87	-3.97	-7.92e-04	0.0	2.24e-04
4355	193	9.20	-12.44	0.20	9.20e-04	0.0	-6.50e-04
4355	216	18.72	-3.53	-2.75	1.98e-04	0.0	-9.71e-04
4355	220	-0.26	10.40	-4.33	-9.32e-04	0.0	2.66e-04
4355	225	10.97	-14.52	0.53	1.06e-03	0.0	-7.70e-04
4356	4	0.68	1.60	-3.04	-1.39e-04	0.0	1.82e-04
4356	44	0.62	-5.83	-2.28	8.38e-04	0.0	-5.77e-04
4356	52	0.70	-0.45	-2.86	1.09e-04	0.0	7.62e-06
4356	68	0.49	1.05	-2.17	-8.83e-05	0.0	1.22e-04
4356	88	0.44	-3.91	-1.66	5.63e-04	0.0	-3.84e-04
4356	92	0.49	-0.32	-2.05	7.72e-05	0.0	5.30e-06
4356	98	0.42	-0.27	-1.79	6.49e-05	0.0	4.56e-06
4356	105	0.40	-0.98	-1.69	1.61e-04	0.0	-7.35e-05
4356	107	0.40	-0.26	-1.73	6.24e-05	0.0	4.28e-06
4356	112	13.90	-2.12	-2.64	-3.20e-04	0.0	-7.07e-04
4356	124	0.02	7.86	-3.72	-6.64e-04	0.0	1.98e-04
4356	129	7.95	-10.98	-2.30e-03	7.90e-04	0.0	-5.79e-04
4356	144	15.62	-2.36	-2.75	-3.68e-04	0.0	-7.97e-04
4356	156	-0.04	8.88	-3.97	-7.54e-04	0.0	2.23e-04
4356	161	8.95	-12.33	0.21	8.81e-04	0.0	-6.53e-04
4356	176	15.74	-2.34	-2.70	-3.52e-04	0.0	-7.80e-04
4356	188	-0.11	8.82	-3.93	-7.42e-04	0.0	2.26e-04
4356	193	9.20	-12.26	0.20	8.71e-04	0.0	-6.53e-04
4356	216	18.72	-3.27	-2.78	1.74e-04	0.0	-9.72e-04
4356	220	-0.26	10.34	-4.29	-8.75e-04	0.0	2.68e-04
4356	225	10.97	-14.32	0.52	1.01e-03	0.0	-7.73e-04
4357	4	0.86	1.64	-3.04	3.32e-04	0.0	2.48e-04
4357	28	0.87	-3.93	-2.68	-3.82e-04	0.0	-4.74e-04
4357	44	0.78	-6.16	-2.29	-7.23e-04	0.0	-7.97e-04
4357	68	0.61	1.07	-2.17	2.26e-04	0.0	1.66e-04
4357	80	0.62	-2.64	-1.93	-2.50e-04	0.0	-3.16e-04
4357	88	0.56	-4.12	-1.67	-4.77e-04	0.0	-5.31e-04
4357	98	0.53	-0.30	-1.79	6.68e-05	0.0	4.28e-06
4357	105	0.51	-1.05	-1.69	-4.55e-05	0.0	-1.03e-04
4357	107	0.51	-0.29	-1.73	6.42e-05	0.0	3.99e-06
4357	112	14.49	-2.37	-2.65	-1.25e-04	0.0	-6.07e-04
4357	124	0.12	8.14	-3.74	-3.01e-04	0.0	2.45e-04
4357	129	8.32	-11.50	9.92e-03	4.33e-04	0.0	-6.52e-04
4357	144	16.27	-2.64	-2.77	-1.49e-04	0.0	-6.84e-04
4357	156	0.06	9.20	-3.99	-3.46e-04	0.0	2.76e-04
4357	161	9.35	-12.91	0.23	4.79e-04	0.0	-7.36e-04
4357	176	16.40	-2.61	-2.72	-1.41e-04	0.0	-6.71e-04
4357	188	-0.02	9.14	-3.95	-3.40e-04	0.0	2.79e-04
4357	193	9.61	-12.84	0.22	4.75e-04	0.0	-7.34e-04
4357	216	19.46	-3.61	-2.75	1.01e-04	0.0	-8.42e-04
4357	220	-0.17	10.71	-4.31	-4.06e-04	0.0	3.30e-04
4357	225	11.44	-14.99	0.54	5.44e-04	0.0	-8.68e-04
4358	4	0.84	1.56	-3.04	3.27e-04	0.0	2.18e-04
4358	28	0.86	-3.77	-2.68	-3.73e-04	0.0	-4.15e-04
4358	44	0.77	-5.88	-2.28	-7.08e-04	0.0	-6.97e-04
4358	68	0.60	1.02	-2.17	2.23e-04	0.0	1.46e-04
4358	80	0.61	-2.53	-1.93	-2.44e-04	0.0	-2.76e-04
4358	88	0.55	-3.94	-1.67	-4.67e-04	0.0	-4.65e-04
4358	98	0.52	-0.30	-1.79	6.65e-05	0.0	4.29e-06
4358	105	0.50	-1.01	-1.69	-4.37e-05	0.0	-8.98e-05
4358	107	0.50	-0.29	-1.73	6.39e-05	0.0	4.00e-06
4358	112	14.48	-2.17	-2.64	-1.26e-04	0.0	-7.49e-04
4358	124	0.11	8.07	-3.72	-3.06e-04	0.0	2.35e-04
4358	129	8.31	-11.31	-2.56e-03	4.38e-04	0.0	-6.39e-04
4358	144	16.26	-2.41	-2.75	-1.49e-04	0.0	-8.44e-04
4358	156	0.05	9.12	-3.97	-3.52e-04	0.0	2.64e-04
4358	161	9.33	-12.70	0.21	4.84e-04	0.0	-7.20e-04
4358	176	16.38	-2.39	-2.70	-1.41e-04	0.0	-8.25e-04
4358	188	-0.03	9.06	-3.93	-3.46e-04	0.0	2.68e-04
4358	193	9.60	-12.63	0.20	4.80e-04	0.0	-7.19e-04
4358	216	19.45	-3.34	-2.78	9.65e-05	0.0	-1.02e-03
4358	220	-0.18	10.62	-4.29	-4.13e-04	0.0	3.17e-04
4358	225	11.42	-14.73	0.52	5.50e-04	0.0	-8.51e-04
4359	4	0.32	0.98	-3.01	-7.87e-04	0.0	5.31e-05
4359	44	0.28	-3.37	-2.26	2.97e-03	0.0	-1.68e-04
4359	52	0.33	-0.35	-2.83	1.02e-04	0.0	2.43e-06
4359	68	0.23	0.64	-2.15	-5.20e-04	0.0	3.55e-05
4359	88	0.20	-2.26	-1.65	1.98e-03	0.0	-1.12e-04
4359	92	0.23	-0.24	-2.03	7.26e-05	0.0	1.68e-06

4359	98	0.19	-0.20	-1.77	6.10e-05	0.0	1.54e-06
4359	105	0.18	-0.60	-1.67	4.42e-04	0.0	-2.12e-05
4359	107	0.18	-0.20	-1.71	5.86e-05	0.0	1.42e-06
4359	112	12.59	-1.77	-2.64	-5.37e-04	0.0	-5.84e-04
4359	124	-0.18	7.07	-3.69	-1.07e-03	0.0	7.70e-05
4359	129	7.14	-9.76	-0.02	1.19e-03	0.0	-3.95e-04
4359	144	14.17	-1.98	-2.75	-6.12e-04	0.0	-6.58e-04
4359	156	-0.24	7.98	-3.94	-1.21e-03	0.0	8.71e-05
4359	161	8.06	-10.96	0.20	1.33e-03	0.0	-4.46e-04
4359	176	14.28	-1.97	-2.70	-5.88e-04	0.0	-6.48e-04
4359	188	-0.31	7.92	-3.90	-1.20e-03	0.0	8.97e-05
4359	193	8.29	-10.91	0.18	1.31e-03	0.0	-4.48e-04
4359	216	17.05	-2.81	-2.85	2.43e-04	0.0	-8.25e-04
4359	224	-0.38	9.12	-4.26	-1.12e-03	0.0	8.82e-05
4359	225	9.92	-12.74	0.49	1.52e-03	0.0	-5.33e-04
4360	4	0.50	1.36	-3.00	-5.19e-04	0.0	1.19e-04
4360	44	0.44	-4.83	-2.25	2.09e-03	0.0	-3.72e-04
4360	52	0.51	-0.40	-2.82	1.06e-04	0.0	6.37e-06
4360	68	0.35	0.89	-2.14	-3.41e-04	0.0	7.98e-05
4360	88	0.32	-3.24	-1.64	1.40e-03	0.0	-2.48e-04
4360	92	0.36	-0.28	-2.02	7.52e-05	0.0	4.45e-06
4360	98	0.30	-0.24	-1.77	6.32e-05	0.0	3.90e-06
4360	105	0.29	-0.82	-1.66	3.27e-04	0.0	-4.66e-05
4360	107	0.29	-0.23	-1.70	6.07e-05	0.0	3.67e-06
4360	112	13.25	-1.86	-2.63	-4.41e-04	0.0	-6.45e-04
4360	124	-0.08	7.49	-3.69	-8.97e-04	0.0	1.37e-04
4360	129	7.55	-10.35	-7.35e-03	1.02e-03	0.0	-4.85e-04
4360	144	14.90	-2.07	-2.75	-5.03e-04	0.0	-7.27e-04
4360	156	-0.15	8.46	-3.94	-1.02e-03	0.0	1.54e-04
4360	161	8.50	-11.63	0.21	1.14e-03	0.0	-5.48e-04
4360	176	15.01	-2.06	-2.70	-4.84e-04	0.0	-7.14e-04
4360	188	-0.21	8.40	-3.90	-1.00e-03	0.0	1.57e-04
4360	193	8.75	-11.56	0.19	1.13e-03	0.0	-5.49e-04
4360	216	17.88	-2.92	-2.85	2.06e-04	0.0	-8.98e-04
4360	224	-0.29	9.68	-4.26	-9.44e-04	0.0	1.68e-04
4360	225	10.44	-13.50	0.50	1.30e-03	0.0	-6.52e-04
4361	4	0.68	1.55	-3.00	-1.25e-04	0.0	1.77e-04
4361	44	0.62	-5.66	-2.25	7.90e-04	0.0	-5.59e-04
4361	52	0.70	-0.46	-2.82	1.09e-04	0.0	7.62e-06
4361	68	0.49	1.01	-2.14	-7.85e-05	0.0	1.18e-04
4361	88	0.44	-3.79	-1.64	5.31e-04	0.0	-3.72e-04
4361	92	0.49	-0.32	-2.02	7.74e-05	0.0	5.30e-06
4361	98	0.42	-0.27	-1.77	6.51e-05	0.0	4.56e-06
4361	105	0.40	-0.96	-1.67	1.55e-04	0.0	-7.11e-05
4361	107	0.40	-0.26	-1.71	6.25e-05	0.0	4.28e-06
4361	112	13.90	-1.93	-2.63	-2.99e-04	0.0	-7.08e-04
4361	124	0.02	7.82	-3.69	-6.35e-04	0.0	2.00e-04
4361	129	7.95	-10.82	-6.48e-03	7.62e-04	0.0	-5.81e-04
4361	144	15.62	-2.15	-2.74	-3.44e-04	0.0	-7.98e-04
4361	156	-0.04	8.84	-3.94	-7.22e-04	0.0	2.25e-04
4361	161	8.95	-12.15	0.21	8.50e-04	0.0	-6.56e-04
4361	176	15.74	-2.13	-2.69	-3.29e-04	0.0	-7.81e-04
4361	188	-0.11	8.77	-3.90	-7.11e-04	0.0	2.28e-04
4361	193	9.20	-12.08	0.19	8.40e-04	0.0	-6.56e-04
4361	216	18.72	-3.01	-2.83	1.53e-04	0.0	-9.74e-04
4361	220	-0.26	10.28	-4.25	-8.38e-04	0.0	2.70e-04
4361	225	10.97	-14.10	0.50	9.69e-04	0.0	-7.77e-04
4362	4	0.83	1.51	-3.03	3.26e-04	0.0	1.91e-04
4362	28	0.85	-3.68	-2.68	-3.70e-04	0.0	-3.60e-04
4362	44	0.76	-5.73	-2.28	-7.03e-04	0.0	-6.07e-04
4362	68	0.59	0.99	-2.16	2.22e-04	0.0	1.28e-04
4362	80	0.61	-2.47	-1.92	-2.42e-04	0.0	-2.40e-04
4362	88	0.55	-3.84	-1.66	-4.64e-04	0.0	-4.05e-04
4362	98	0.52	-0.31	-1.79	6.63e-05	0.0	4.33e-06
4362	105	0.50	-1.00	-1.68	-4.33e-05	0.0	-7.77e-05
4362	107	0.50	-0.29	-1.72	6.37e-05	0.0	4.04e-06
4362	112	14.47	-1.98	-2.63	-1.24e-04	0.0	-7.42e-04
4362	124	0.11	8.03	-3.70	-3.07e-04	0.0	2.24e-04
4362	129	8.30	-11.15	-0.01	4.38e-04	0.0	-6.25e-04
4362	144	16.26	-2.20	-2.74	-1.47e-04	0.0	-8.37e-04
4362	156	0.04	9.08	-3.95	-3.53e-04	0.0	2.53e-04
4362	161	9.33	-12.52	0.20	4.85e-04	0.0	-7.05e-04
4362	176	16.38	-2.18	-2.69	-1.39e-04	0.0	-8.18e-04
4362	188	-0.03	9.01	-3.91	-3.47e-04	0.0	2.56e-04
4362	193	9.60	-12.44	0.18	4.80e-04	0.0	-7.04e-04

4362	216	19.44	-3.07	-2.80	9.08e-05	0.0	-1.02e-03
4362	220	-0.19	10.56	-4.26	-4.14e-04	0.0	3.03e-04
4362	225	11.42	-14.52	0.50	5.50e-04	0.0	-8.33e-04
4363	4	0.82	1.30	-3.03	7.30e-04	0.0	1.62e-04
4363	44	0.74	-5.21	-2.28	-2.04e-03	0.0	-5.18e-04
4363	52	0.83	-0.57	-2.85	1.13e-04	0.0	5.82e-06
4363	68	0.58	0.84	-2.16	4.91e-04	0.0	1.08e-04
4363	88	0.53	-3.50	-1.66	-1.36e-03	0.0	-3.45e-04
4363	92	0.59	-0.40	-2.04	8.04e-05	0.0	3.86e-06
4363	98	0.51	-0.34	-1.79	6.78e-05	0.0	2.94e-06
4363	105	0.49	-0.95	-1.69	-2.20e-04	0.0	-6.70e-05
4363	107	0.49	-0.32	-1.73	6.52e-05	0.0	2.66e-06
4363	112	14.49	-2.37	-2.65	-5.36e-06	0.0	-7.19e-04
4363	124	0.09	8.15	-3.74	1.59e-05	0.0	1.83e-04
4363	129	8.31	-11.58	0.01	1.16e-04	0.0	-5.74e-04
4363	144	16.28	-2.64	-2.76	-1.42e-05	0.0	-8.10e-04
4363	156	0.03	9.21	-3.99	9.89e-06	0.0	2.07e-04
4363	161	9.34	-12.99	0.23	1.22e-04	0.0	-6.48e-04
4363	176	16.40	-2.61	-2.71	-1.34e-05	0.0	-7.93e-04
4363	188	-0.04	9.15	-3.95	1.23e-05	0.0	2.10e-04
4363	193	9.60	-12.92	0.22	1.18e-04	0.0	-6.47e-04
4363	216	19.46	-3.63	-2.76	6.99e-05	0.0	-9.92e-04
4363	220	-0.20	10.74	-4.30	4.11e-06	0.0	2.50e-04
4363	225	11.43	-15.08	0.54	1.26e-04	0.0	-7.67e-04
4364	4	0.81	1.26	-3.04	7.03e-04	0.0	1.72e-04
4364	44	0.74	-5.08	-2.29	-1.95e-03	0.0	-5.47e-04
4364	52	0.82	-0.57	-2.86	1.13e-04	0.0	5.90e-06
4364	68	0.58	0.82	-2.17	4.73e-04	0.0	1.14e-04
4364	88	0.53	-3.41	-1.67	-1.30e-03	0.0	-3.65e-04
4364	92	0.58	-0.40	-2.05	7.99e-05	0.0	3.92e-06
4364	98	0.50	-0.34	-1.79	6.72e-05	0.0	2.99e-06
4364	105	0.48	-0.93	-1.69	-2.09e-04	0.0	-7.09e-05
4364	107	0.48	-0.32	-1.73	6.46e-05	0.0	2.71e-06
4364	112	14.49	-2.18	-2.64	4.70e-06	0.0	-7.22e-04
4364	124	0.09	8.12	-3.72	-1.70e-05	0.0	1.88e-04
4364	129	8.30	-11.43	-3.15e-03	1.50e-04	0.0	-5.79e-04
4364	144	16.27	-2.42	-2.75	-2.82e-06	0.0	-8.13e-04
4364	156	0.02	9.18	-3.97	-2.72e-05	0.0	2.11e-04
4364	161	9.33	-12.83	0.21	1.61e-04	0.0	-6.54e-04
4364	176	16.40	-2.40	-2.70	-2.27e-06	0.0	-7.96e-04
4364	188	-0.05	9.11	-3.93	-2.57e-05	0.0	2.15e-04
4364	193	9.60	-12.75	0.20	1.59e-04	0.0	-6.53e-04
4364	216	19.45	-3.37	-2.78	5.58e-05	0.0	-9.94e-04
4364	220	-0.20	10.69	-4.29	-4.04e-05	0.0	2.55e-04
4364	225	11.42	-14.88	0.52	1.74e-04	0.0	-7.74e-04
4365	4	0.76	0.83	-3.03	9.54e-04	0.0	8.53e-05
4365	44	0.69	-3.83	-2.27	-2.79e-03	0.0	-2.67e-04
4365	52	0.78	-0.62	-2.85	1.14e-04	0.0	4.18e-06
4365	68	0.54	0.53	-2.16	6.41e-04	0.0	5.67e-05
4365	88	0.49	-2.58	-1.66	-1.85e-03	0.0	-1.78e-04
4365	92	0.55	-0.44	-2.04	8.08e-05	0.0	2.59e-06
4365	98	0.47	-0.37	-1.78	6.81e-05	0.0	1.57e-06
4365	105	0.45	-0.79	-1.68	-3.20e-04	0.0	-3.47e-05
4365	107	0.45	-0.36	-1.72	6.55e-05	0.0	1.30e-06
4365	112	14.47	-2.35	-2.64	-5.05e-05	0.0	-6.70e-04
4365	124	0.06	8.08	-3.73	1.72e-04	0.0	1.17e-04
4365	129	8.28	-11.54	0.02	-4.34e-05	0.0	-4.83e-04
4365	144	16.26	-2.61	-2.76	-6.51e-05	0.0	-7.55e-04
4365	156	-6.32e-03	9.14	-3.98	1.85e-04	0.0	1.32e-04
4365	161	9.31	-12.96	0.23	-5.72e-05	0.0	-5.45e-04
4365	176	16.38	-2.59	-2.71	-6.12e-05	0.0	-7.41e-04
4365	188	-0.08	9.08	-3.94	1.83e-04	0.0	1.35e-04
4365	193	9.57	-12.89	0.22	-5.79e-05	0.0	-5.46e-04
4365	216	19.42	-3.63	-2.76	1.65e-04	0.0	-9.38e-04
4365	220	-0.23	10.65	-4.30	2.03e-04	0.0	1.62e-04
4365	225	11.40	-15.03	0.54	-7.94e-05	0.0	-6.48e-04
4366	4	0.76	0.81	-3.04	9.21e-04	0.0	9.55e-05
4366	44	0.69	-3.77	-2.29	-2.68e-03	0.0	-3.00e-04
4366	52	0.77	-0.63	-2.86	1.13e-04	0.0	4.34e-06
4366	68	0.54	0.51	-2.17	6.19e-04	0.0	6.35e-05
4366	88	0.49	-2.54	-1.67	-1.78e-03	0.0	-2.00e-04
4366	92	0.55	-0.44	-2.05	8.00e-05	0.0	2.71e-06
4366	98	0.47	-0.37	-1.79	6.73e-05	0.0	1.67e-06
4366	105	0.45	-0.78	-1.69	-3.06e-04	0.0	-3.91e-05
4366	107	0.45	-0.36	-1.73	6.47e-05	0.0	1.40e-06

4366	112	14.47	-2.17	-2.64	-2.79e-05	0.0	-6.70e-04
4366	124	0.06	8.07	-3.72	1.29e-04	0.0	1.17e-04
4366	129	8.28	-11.42	-3.58e-03	-1.37e-06	0.0	-4.83e-04
4366	144	16.25	-2.41	-2.75	-3.96e-05	0.0	-7.55e-04
4366	156	-8.22e-03	9.12	-3.97	1.37e-04	0.0	1.32e-04
4366	161	9.30	-12.82	0.21	-9.78e-06	0.0	-5.45e-04
4366	176	16.38	-2.39	-2.70	-3.73e-05	0.0	-7.41e-04
4366	188	-0.08	9.06	-3.93	1.35e-04	0.0	1.36e-04
4366	193	9.57	-12.75	0.20	-1.05e-05	0.0	-5.46e-04
4366	216	19.42	-3.37	-2.78	1.31e-04	0.0	-9.38e-04
4366	220	-0.23	10.63	-4.29	1.47e-04	0.0	1.63e-04
4366	225	11.40	-14.86	0.52	-2.38e-05	0.0	-6.48e-04
4367	4	0.71	0.28	-3.02	-3.45e-04	-1.22e-04	1.14e-05
4367	44	0.64	-2.20	-2.27	-1.70e-04	-1.18e-04	-2.68e-05
4367	52	0.72	-0.68	-2.84	-2.90e-04	-1.26e-04	2.65e-06
4367	68	0.51	0.16	-2.16	-2.46e-04	-8.67e-05	7.23e-06
4367	88	0.46	-1.50	-1.65	-1.29e-04	-8.37e-05	-1.83e-05
4367	92	0.51	-0.48	-2.04	-2.09e-04	-8.92e-05	1.39e-06
4367	98	0.44	-0.41	-1.78	-1.92e-04	-7.64e-05	0.0
4367	105	0.42	-0.60	-1.68	-1.74e-04	-7.40e-05	-3.78e-06
4367	107	0.42	-0.39	-1.72	-1.86e-04	-7.32e-05	0.0
4367	112	14.45	-2.32	-2.64	-5.00e-04	0.0	-6.20e-04
4367	124	0.02	7.95	-3.73	-8.45e-04	-4.16e-06	6.15e-05
4367	129	8.25	-11.45	0.02	3.73e-04	-1.42e-04	-4.01e-04
4367	144	16.24	-2.57	-2.76	-5.39e-04	9.94e-06	-6.98e-04
4367	156	-0.04	9.00	-3.98	-9.27e-04	4.49e-06	6.98e-05
4367	161	9.28	-12.85	0.24	4.43e-04	-1.51e-04	-4.53e-04
4367	176	16.36	-2.55	-2.70	-5.23e-04	4.67e-06	-6.87e-04
4367	188	-0.12	8.94	-3.94	-9.15e-04	2.32e-06	7.21e-05
4367	193	9.54	-12.78	0.22	4.38e-04	-1.49e-04	-4.54e-04
4367	216	19.39	-3.61	-2.76	-5.77e-04	-1.47e-04	-8.84e-04
4367	220	-0.27	10.50	-4.30	-1.03e-03	1.43e-05	8.79e-05
4367	225	11.37	-14.90	0.55	5.40e-04	-1.62e-04	-5.40e-04
4368	4	0.72	0.28	-3.04	-3.49e-04	-9.58e-05	2.66e-06
4368	44	0.64	-2.20	-2.29	-1.73e-04	-9.22e-05	4.08e-06
4368	52	0.73	-0.68	-2.86	-2.94e-04	-9.96e-05	3.06e-06
4368	68	0.51	0.16	-2.17	-2.49e-04	-6.67e-05	1.42e-06
4368	88	0.46	-1.50	-1.67	-1.32e-04	-6.43e-05	2.36e-06
4368	92	0.52	-0.48	-2.05	-2.12e-04	-6.92e-05	1.68e-06
4368	98	0.44	-0.41	-1.79	-1.95e-04	-5.70e-05	0.0
4368	105	0.42	-0.60	-1.69	-1.76e-04	-5.48e-05	0.0
4368	107	0.42	-0.39	-1.73	-1.88e-04	-5.39e-05	0.0
4368	112	14.45	-2.15	-2.64	-4.97e-04	1.71e-05	-6.13e-04
4368	124	0.02	7.97	-3.72	-8.44e-04	1.64e-05	5.50e-05
4368	129	8.25	-11.37	-4.34e-03	3.70e-04	-8.64e-05	-3.90e-04
4368	144	16.24	-2.38	-2.75	-5.36e-04	2.59e-05	-6.91e-04
4368	156	-0.04	9.02	-3.97	-9.26e-04	2.52e-05	6.24e-05
4368	161	9.28	-12.75	0.21	4.40e-04	-9.06e-05	-4.40e-04
4368	176	16.36	-2.36	-2.70	-5.20e-04	2.04e-05	-6.80e-04
4368	188	-0.11	8.96	-3.93	-9.14e-04	2.30e-05	6.42e-05
4368	193	9.55	-12.68	0.20	4.34e-04	-9.09e-05	-4.41e-04
4368	216	19.39	-3.36	-2.78	-5.73e-04	3.28e-05	-8.76e-04
4368	220	-0.27	10.52	-4.29	-1.03e-03	3.51e-05	7.85e-05
4368	225	11.37	-14.78	0.52	5.37e-04	-9.71e-05	-5.25e-04
4369	4	0.80	1.20	-3.04	6.83e-04	0.0	1.81e-04
4369	44	0.73	-4.88	-2.29	-1.89e-03	0.0	-5.79e-04
4369	52	0.81	-0.57	-2.86	1.12e-04	0.0	5.97e-06
4369	68	0.57	0.77	-2.17	4.60e-04	0.0	1.21e-04
4369	88	0.52	-3.28	-1.67	-1.25e-03	0.0	-3.86e-04
4369	92	0.58	-0.40	-2.05	7.95e-05	0.0	3.97e-06
4369	98	0.49	-0.34	-1.79	6.68e-05	0.0	3.03e-06
4369	105	0.47	-0.91	-1.69	-2.01e-04	0.0	-7.50e-05
4369	107	0.47	-0.32	-1.73	6.42e-05	0.0	2.75e-06
4369	112	14.48	-1.99	-2.63	5.41e-06	0.0	-7.24e-04
4369	124	0.08	8.08	-3.71	-4.33e-05	0.0	1.92e-04
4369	129	8.29	-11.27	-0.02	1.77e-04	0.0	-5.85e-04
4369	144	16.26	-2.21	-2.74	-1.92e-06	0.0	-8.16e-04
4369	156	0.02	9.13	-3.95	-5.68e-05	0.0	2.16e-04
4369	161	9.32	-12.64	0.20	1.91e-04	0.0	-6.60e-04
4369	176	16.39	-2.19	-2.69	0.0	0.0	-7.99e-04
4369	188	-0.06	9.06	-3.91	-5.50e-05	0.0	2.20e-04
4369	193	9.59	-12.57	0.18	1.90e-04	0.0	-6.59e-04
4369	216	19.44	-3.10	-2.79	5.40e-05	0.0	-9.97e-04
4369	220	-0.21	10.63	-4.27	-7.45e-05	0.0	2.61e-04
4369	225	11.42	-14.66	0.50	2.11e-04	0.0	-7.81e-04

4370	4	0.76	0.77	-3.05	8.86e-04	0.0	1.05e-04
4370	44	0.68	-3.65	-2.30	-2.56e-03	0.0	-3.33e-04
4370	52	0.77	-0.63	-2.87	1.13e-04	0.0	4.49e-06
4370	68	0.54	0.49	-2.17	5.96e-04	0.0	7.01e-05
4370	88	0.49	-2.46	-1.67	-1.70e-03	0.0	-2.22e-04
4370	92	0.55	-0.44	-2.06	7.98e-05	0.0	2.81e-06
4370	98	0.47	-0.37	-1.80	6.70e-05	0.0	1.76e-06
4370	105	0.45	-0.77	-1.70	-2.91e-04	0.0	-4.33e-05
4370	107	0.45	-0.36	-1.73	6.44e-05	0.0	1.48e-06
4370	112	14.46	-1.99	-2.63	-6.97e-06	0.0	-6.71e-04
4370	124	0.05	8.05	-3.71	8.37e-05	0.0	1.18e-04
4370	129	8.27	-11.30	-0.02	4.39e-05	0.0	-4.84e-04
4370	144	16.25	-2.20	-2.74	-1.60e-05	0.0	-7.55e-04
4370	156	-0.01	9.11	-3.96	8.60e-05	0.0	1.33e-04
4370	161	9.30	-12.68	0.19	4.13e-05	0.0	-5.46e-04
4370	176	16.37	-2.19	-2.69	-1.48e-05	0.0	-7.41e-04
4370	188	-0.08	9.04	-3.92	8.47e-05	0.0	1.36e-04
4370	193	9.57	-12.60	0.18	4.09e-05	0.0	-5.47e-04
4370	216	19.42	-3.11	-2.79	9.42e-05	0.0	-9.38e-04
4370	220	-0.24	10.61	-4.27	8.79e-05	0.0	1.63e-04
4370	225	11.39	-14.69	0.49	3.65e-05	0.0	-6.49e-04
4371	4	0.72	0.28	-3.05	-3.52e-04	-8.02e-05	-5.54e-06
4371	44	0.64	-2.20	-2.30	-1.76e-04	-7.71e-05	3.32e-05
4371	52	0.73	-0.68	-2.88	-2.97e-04	-8.43e-05	3.46e-06
4371	68	0.51	0.16	-2.18	-2.51e-04	-5.45e-05	-4.03e-06
4371	88	0.46	-1.50	-1.68	-1.34e-04	-5.25e-05	2.18e-05
4371	92	0.52	-0.48	-2.06	-2.15e-04	-5.73e-05	1.97e-06
4371	98	0.44	-0.41	-1.80	-1.98e-04	-4.45e-05	0.0
4371	105	0.42	-0.60	-1.70	-1.79e-04	-4.23e-05	4.61e-06
4371	107	0.42	-0.39	-1.74	-1.91e-04	-4.13e-05	0.0
4371	112	14.45	-1.99	-2.63	-4.95e-04	4.56e-05	-6.08e-04
4371	124	0.02	7.99	-3.71	-8.42e-04	3.86e-05	5.02e-05
4371	129	8.25	-11.28	-0.02	3.67e-04	-1.22e-04	-3.81e-04
4371	144	16.24	-2.19	-2.74	-5.32e-04	5.65e-05	-6.85e-04
4371	156	-0.04	9.04	-3.96	-9.24e-04	4.87e-05	5.69e-05
4371	161	9.28	-12.66	0.19	4.37e-04	-1.33e-04	-4.30e-04
4371	176	16.36	-2.18	-2.69	-5.17e-04	5.17e-05	-6.75e-04
4371	188	-0.11	8.97	-3.92	-9.12e-04	4.69e-05	5.82e-05
4371	193	9.55	-12.58	0.18	4.31e-04	-1.32e-04	-4.31e-04
4371	216	19.39	-3.12	-2.78	-5.69e-04	-1.36e-04	-8.70e-04
4371	220	-0.27	10.54	-4.27	-1.03e-03	6.14e-05	7.12e-05
4371	225	11.37	-14.67	0.49	5.33e-04	-1.47e-04	-5.13e-04
4372	4	0.39	0.58	-3.12	-9.30e-05	0.0	7.16e-05
4372	44	0.35	-2.01	-2.37	7.58e-04	0.0	-3.17e-04
4372	52	0.40	-0.34	-2.96	1.28e-04	0.0	-1.83e-05
4372	68	0.28	0.37	-2.21	-5.67e-05	0.0	4.64e-05
4372	88	0.25	-1.35	-1.71	5.11e-04	0.0	-2.13e-04
4372	92	0.28	-0.24	-2.10	9.04e-05	0.0	-1.36e-05
4372	98	0.24	-0.20	-1.80	7.68e-05	0.0	-1.20e-05
4372	105	0.23	-0.42	-1.70	1.60e-04	0.0	-5.18e-05
4372	107	0.23	-0.19	-1.73	7.35e-05	0.0	-1.19e-05
4372	112	12.81	-0.53	-2.65	1.03e-04	0.0	-5.91e-04
4372	124	-0.14	7.08	-3.58	-5.32e-04	0.0	6.01e-05
4372	129	7.28	-9.00	-0.14	7.94e-04	0.0	-4.00e-04
4372	144	14.41	-0.58	-2.76	1.07e-04	0.0	-6.64e-04
4372	156	-0.20	7.99	-3.81	-6.08e-04	0.0	6.98e-05
4372	161	8.20	-10.11	0.06	8.84e-04	0.0	-4.51e-04
4372	176	14.52	-0.58	-2.74	1.04e-04	0.0	-6.55e-04
4372	188	-0.26	7.91	-3.78	-6.01e-04	0.0	7.32e-05
4372	193	8.44	-10.03	0.03	8.74e-04	0.0	-4.54e-04
4372	216	17.32	-1.02	-2.77	1.14e-04	0.0	-8.25e-04
4372	220	-0.40	9.25	-4.11	-7.12e-04	0.0	9.14e-05
4372	225	10.09	-11.69	0.31	1.01e-03	0.0	-5.38e-04
4373	4	0.39	0.55	-3.07	-4.67e-05	0.0	6.98e-05
4373	44	0.35	-1.88	-2.32	5.75e-04	0.0	-3.05e-04
4373	52	0.40	-0.33	-2.91	1.21e-04	0.0	-1.68e-05
4373	68	0.28	0.36	-2.17	-2.64e-05	0.0	4.52e-05
4373	88	0.25	-1.27	-1.67	3.88e-04	0.0	-2.04e-04
4373	92	0.28	-0.23	-2.06	8.53e-05	0.0	-1.25e-05
4373	98	0.24	-0.19	-1.77	7.23e-05	0.0	-1.11e-05
4373	105	0.23	-0.40	-1.66	1.32e-04	0.0	-4.95e-05
4373	107	0.23	-0.18	-1.70	6.90e-05	0.0	-1.11e-05
4373	112	12.81	-0.31	-2.45	7.58e-05	0.0	-5.86e-04
4373	124	-0.14	7.09	-3.47	-4.94e-04	0.0	6.07e-05
4373	129	7.28	-8.87	-0.10	7.28e-04	0.0	-3.97e-04

4373	144	14.42	-0.33	-2.55	7.68e-05	0.0	-6.58e-04
4373	156	-0.20	8.00	-3.69	-5.64e-04	0.0	7.04e-05
4373	161	8.21	-9.96	0.10	8.11e-04	0.0	-4.47e-04
4373	176	14.53	-0.34	-2.52	7.44e-05	0.0	-6.50e-04
4373	188	-0.26	7.92	-3.66	-5.57e-04	0.0	7.36e-05
4373	193	8.45	-9.88	0.08	8.01e-04	0.0	-4.50e-04
4373	216	17.33	-0.72	-2.53	8.29e-05	0.0	-8.19e-04
4373	220	-0.40	9.26	-3.97	-6.61e-04	0.0	9.18e-05
4373	225	10.09	-11.51	0.37	9.23e-04	0.0	-5.34e-04
4374	4	0.51	0.62	-3.13	-2.64e-05	0.0	1.30e-04
4374	28	0.53	-1.63	-2.80	4.23e-04	0.0	-3.42e-04
4374	44	0.47	-2.39	-2.37	5.95e-04	0.0	-5.51e-04
4374	68	0.36	0.39	-2.21	-1.17e-05	0.0	8.44e-05
4374	80	0.37	-1.10	-2.00	2.88e-04	0.0	-2.30e-04
4374	88	0.34	-1.61	-1.71	4.02e-04	0.0	-3.69e-04
4374	98	0.32	-0.24	-1.81	8.47e-05	0.0	-1.82e-05
4374	105	0.30	-0.50	-1.70	1.44e-04	0.0	-8.79e-05
4374	107	0.30	-0.23	-1.73	8.11e-05	0.0	-1.81e-05
4374	112	13.37	-0.59	-2.64	1.16e-04	0.0	-6.52e-04
4374	124	-0.07	7.35	-3.58	-4.78e-04	0.0	9.69e-05
4374	129	7.61	-9.41	-0.14	7.53e-04	0.0	-4.78e-04
4374	144	15.03	-0.64	-2.75	1.20e-04	0.0	-7.32e-04
4374	156	-0.13	8.29	-3.81	-5.47e-04	0.0	1.12e-04
4374	161	8.58	-10.57	0.06	8.37e-04	0.0	-5.37e-04
4374	176	15.15	-0.65	-2.73	1.18e-04	0.0	-7.22e-04
4374	188	-0.20	8.21	-3.77	-5.41e-04	0.0	1.16e-04
4374	193	8.82	-10.49	0.03	8.28e-04	0.0	-5.41e-04
4374	216	18.04	-1.09	-2.75	1.35e-04	0.0	-8.96e-04
4374	220	-0.34	9.61	-4.10	-6.44e-04	0.0	1.43e-04
4374	225	10.53	-12.22	0.31	9.53e-04	0.0	-6.40e-04
4375	4	0.51	0.57	-3.07	2.80e-06	0.0	1.26e-04
4375	28	0.53	-1.49	-2.75	3.44e-04	0.0	-3.33e-04
4375	44	0.47	-2.17	-2.32	4.69e-04	0.0	-5.36e-04
4375	68	0.36	0.36	-2.17	7.30e-06	0.0	8.23e-05
4375	80	0.37	-1.01	-1.96	2.35e-04	0.0	-2.24e-04
4375	88	0.34	-1.46	-1.67	3.18e-04	0.0	-3.59e-04
4375	98	0.32	-0.24	-1.77	8.03e-05	0.0	-1.77e-05
4375	105	0.30	-0.47	-1.66	1.23e-04	0.0	-8.55e-05
4375	107	0.30	-0.22	-1.70	7.68e-05	0.0	-1.76e-05
4375	112	13.37	-0.36	-2.45	8.96e-05	0.0	-6.49e-04
4375	124	-0.07	7.33	-3.47	-4.48e-04	0.0	9.68e-05
4375	129	7.61	-9.25	-0.10	6.97e-04	0.0	-4.75e-04
4375	144	15.03	-0.38	-2.54	9.14e-05	0.0	-7.28e-04
4375	156	-0.13	8.28	-3.69	-5.13e-04	0.0	1.12e-04
4375	161	8.58	-10.38	0.10	7.75e-04	0.0	-5.34e-04
4375	176	15.15	-0.39	-2.52	8.94e-05	0.0	-7.18e-04
4375	188	-0.20	8.20	-3.65	-5.07e-04	0.0	1.16e-04
4375	193	8.82	-10.30	0.08	7.67e-04	0.0	-5.38e-04
4375	216	18.04	-0.77	-2.53	1.04e-04	0.0	-8.91e-04
4375	220	-0.34	9.59	-3.97	-6.04e-04	0.0	1.43e-04
4375	225	10.53	-11.99	0.37	8.82e-04	0.0	-6.36e-04
4376	4	0.64	0.62	-3.13	3.69e-05	0.0	1.57e-04
4376	28	0.66	-1.84	-2.80	2.92e-04	0.0	-4.46e-04
4376	44	0.59	-2.68	-2.37	3.78e-04	0.0	-7.11e-04
4376	68	0.45	0.39	-2.21	3.03e-05	0.0	1.02e-04
4376	80	0.47	-1.24	-2.00	2.00e-04	0.0	-3.00e-04
4376	88	0.42	-1.81	-1.71	2.58e-04	0.0	-4.77e-04
4376	98	0.39	-0.29	-1.81	8.29e-05	0.0	-2.85e-05
4376	105	0.38	-0.58	-1.70	1.13e-04	0.0	-1.17e-04
4376	107	0.38	-0.28	-1.73	7.95e-05	0.0	-2.80e-05
4376	112	13.89	-0.66	-2.61	9.82e-05	0.0	-5.75e-04
4376	124	-3.75e-03	7.58	-3.57	-4.18e-04	0.0	1.22e-04
4376	129	7.93	-9.80	-0.14	6.74e-04	0.0	-5.50e-04
4376	144	15.61	-0.71	-2.72	1.01e-04	0.0	-6.44e-04
4376	156	-0.07	8.56	-3.80	-4.81e-04	0.0	1.42e-04
4376	161	8.93	-11.00	0.06	7.49e-04	0.0	-6.17e-04
4376	176	15.73	-0.72	-2.70	9.86e-05	0.0	-6.36e-04
4376	188	-0.14	8.48	-3.76	-4.75e-04	0.0	1.46e-04
4376	193	9.18	-10.91	0.04	7.41e-04	0.0	-6.21e-04
4376	216	18.71	-1.17	-2.72	1.20e-04	0.0	-7.92e-04
4376	220	-0.29	9.93	-4.09	-5.67e-04	0.0	1.81e-04
4376	225	10.95	-12.70	0.32	8.52e-04	0.0	-7.33e-04
4377	4	0.63	0.55	-3.07	4.93e-05	0.0	1.51e-04
4377	28	0.66	-1.66	-2.75	2.47e-04	0.0	-4.34e-04
4377	44	0.59	-2.39	-2.32	3.09e-04	0.0	-6.92e-04

4377	68	0.45	0.35	-2.17	3.83e-05	0.0	9.77e-05
4377	80	0.47	-1.12	-1.96	1.70e-04	0.0	-2.93e-04
4377	88	0.42	-1.61	-1.67	2.11e-04	0.0	-4.64e-04
4377	98	0.39	-0.28	-1.77	7.88e-05	0.0	-2.87e-05
4377	105	0.38	-0.53	-1.66	1.01e-04	0.0	-1.15e-04
4377	107	0.38	-0.27	-1.70	7.55e-05	0.0	-2.82e-05
4377	112	13.89	-0.41	-2.45	7.67e-05	0.0	-7.14e-04
4377	124	-4.06e-03	7.55	-3.46	-3.98e-04	0.0	1.20e-04
4377	129	7.93	-9.60	-0.10	6.32e-04	0.0	-5.48e-04
4377	144	15.61	-0.43	-2.54	7.70e-05	0.0	-8.01e-04
4377	156	-0.07	8.53	-3.69	-4.58e-04	0.0	1.39e-04
4377	161	8.93	-10.78	0.10	7.02e-04	0.0	-6.15e-04
4377	176	15.73	-0.44	-2.51	7.52e-05	0.0	-7.90e-04
4377	188	-0.14	8.45	-3.65	-4.52e-04	0.0	1.44e-04
4377	193	9.18	-10.69	0.08	6.95e-04	0.0	-6.19e-04
4377	216	18.71	-0.83	-2.52	9.29e-05	0.0	-9.71e-04
4377	220	-0.29	9.88	-3.97	-5.39e-04	0.0	1.78e-04
4377	225	10.95	-12.44	0.37	7.98e-04	0.0	-7.30e-04
4378	4	0.76	0.59	-3.12	1.05e-04	0.0	1.75e-04
4378	28	0.78	-1.98	-2.79	9.13e-05	0.0	-5.27e-04
4378	44	0.70	-2.86	-2.36	6.14e-05	0.0	-8.35e-04
4378	68	0.54	0.37	-2.21	7.44e-05	0.0	1.13e-04
4378	80	0.55	-1.34	-1.99	6.55e-05	0.0	-3.55e-04
4378	88	0.50	-1.93	-1.70	4.56e-05	0.0	-5.61e-04
4378	98	0.47	-0.34	-1.80	6.85e-05	0.0	-3.78e-05
4378	105	0.45	-0.64	-1.69	6.00e-05	0.0	-1.41e-04
4378	107	0.45	-0.32	-1.73	6.57e-05	0.0	-3.70e-05
4378	112	14.38	-0.70	-2.57	-1.43e-04	0.0	-6.14e-04
4378	124	0.06	7.78	-3.55	-3.97e-04	0.0	1.39e-04
4378	129	8.23	-10.14	-0.12	5.31e-04	0.0	-6.06e-04
4378	144	16.16	-0.76	-2.68	-1.69e-04	0.0	-6.87e-04
4378	156	-2.86e-03	8.80	-3.78	-4.55e-04	0.0	1.62e-04
4378	161	9.26	-11.37	0.08	5.89e-04	0.0	-6.79e-04
4378	176	16.28	-0.76	-2.65	-1.62e-04	0.0	-6.78e-04
4378	188	-0.08	8.71	-3.75	-4.47e-04	0.0	1.67e-04
4378	193	9.52	-11.28	0.05	5.83e-04	0.0	-6.83e-04
4378	216	19.34	-1.23	-2.66	5.19e-05	0.0	-8.42e-04
4378	220	-0.23	10.21	-4.07	-5.30e-04	0.0	2.06e-04
4378	225	11.34	-13.13	0.34	6.69e-04	0.0	-8.04e-04
4379	4	0.75	0.51	-3.07	9.33e-05	0.0	1.54e-04
4379	28	0.77	-1.76	-2.74	1.14e-04	0.0	-4.86e-04
4379	44	0.69	-2.51	-2.32	9.88e-05	0.0	-7.67e-04
4379	68	0.54	0.32	-2.17	6.69e-05	0.0	9.89e-05
4379	80	0.55	-1.19	-1.95	8.04e-05	0.0	-3.28e-04
4379	88	0.50	-1.69	-1.67	7.05e-05	0.0	-5.15e-04
4379	98	0.47	-0.32	-1.77	6.85e-05	0.0	-3.82e-05
4379	105	0.45	-0.58	-1.66	6.50e-05	0.0	-1.32e-04
4379	107	0.45	-0.31	-1.70	6.57e-05	0.0	-3.75e-05
4379	112	14.37	-0.44	-2.45	-1.43e-04	0.0	-6.14e-04
4379	124	0.06	7.75	-3.46	-4.03e-04	0.0	1.29e-04
4379	129	8.23	-9.91	-0.10	5.37e-04	0.0	-5.96e-04
4379	144	16.15	-0.46	-2.54	-1.69e-04	0.0	-6.87e-04
4379	156	-5.09e-03	8.76	-3.68	-4.62e-04	0.0	1.50e-04
4379	161	9.25	-11.12	0.10	5.96e-04	0.0	-6.68e-04
4379	176	16.27	-0.47	-2.51	-1.61e-04	0.0	-6.79e-04
4379	188	-0.08	8.67	-3.65	-4.53e-04	0.0	1.55e-04
4379	193	9.51	-11.03	0.08	5.89e-04	0.0	-6.73e-04
4379	216	19.32	-0.87	-2.52	4.42e-05	0.0	-8.43e-04
4379	220	-0.23	10.15	-3.97	-5.38e-04	0.0	1.93e-04
4379	225	11.33	-12.83	0.37	6.76e-04	0.0	-7.91e-04
4380	4	0.39	0.53	-3.01	-5.07e-06	0.0	7.29e-05
4380	44	0.36	-1.75	-2.26	3.71e-04	0.0	-2.70e-04
4380	52	0.40	-0.32	-2.85	1.05e-04	0.0	-6.15e-06
4380	68	0.28	0.34	-2.13	0.0	0.0	4.77e-05
4380	88	0.25	-1.18	-1.63	2.51e-04	0.0	-1.81e-04
4380	92	0.29	-0.22	-2.02	7.40e-05	0.0	-4.98e-06
4380	98	0.24	-0.19	-1.73	6.22e-05	0.0	-4.75e-06
4380	105	0.23	-0.38	-1.62	9.63e-05	0.0	-4.00e-05
4380	107	0.23	-0.18	-1.65	5.90e-05	0.0	-5.00e-06
4380	112	12.82	-0.10	-2.34	3.87e-05	0.0	-5.60e-04
4380	124	-0.13	7.10	-3.38	-4.55e-04	0.0	6.62e-05
4380	129	7.28	-8.75	-0.07	6.48e-04	0.0	-3.79e-04
4380	144	14.42	-0.09	-2.42	3.63e-05	0.0	-6.30e-04
4380	156	-0.19	8.01	-3.59	-5.19e-04	0.0	7.57e-05
4380	161	8.21	-9.82	0.12	7.22e-04	0.0	-4.28e-04

4380	176	14.54	-0.10	-2.39	3.45e-05	0.0	-6.21e-04
4380	188	-0.26	7.93	-3.56	-5.13e-04	0.0	7.88e-05
4380	193	8.45	-9.74	0.10	7.13e-04	0.0	-4.30e-04
4380	216	17.34	-0.41	-2.46	4.15e-05	0.0	-7.84e-04
4380	220	-0.40	9.26	-3.86	-6.07e-04	0.0	9.66e-05
4380	225	10.10	-11.34	0.39	8.22e-04	0.0	-5.11e-04
4381	4	0.51	0.51	-3.01	3.33e-05	0.0	1.18e-04
4381	28	0.53	-1.35	-2.69	2.55e-04	0.0	-3.02e-04
4381	44	0.47	-1.95	-2.26	3.26e-04	0.0	-4.89e-04
4381	68	0.36	0.33	-2.13	2.70e-05	0.0	7.70e-05
4381	80	0.38	-0.91	-1.91	1.75e-04	0.0	-2.03e-04
4381	88	0.34	-1.31	-1.63	2.22e-04	0.0	-3.28e-04
4381	98	0.32	-0.23	-1.73	7.41e-05	0.0	-1.48e-05
4381	105	0.30	-0.43	-1.62	9.96e-05	0.0	-7.70e-05
4381	107	0.30	-0.22	-1.65	7.07e-05	0.0	-1.49e-05
4381	112	13.36	-0.13	-2.33	5.64e-05	0.0	-6.33e-04
4381	124	-0.07	7.32	-3.37	-4.14e-04	0.0	9.49e-05
4381	129	7.61	-9.08	-0.08	6.31e-04	0.0	-4.61e-04
4381	144	15.03	-0.12	-2.42	5.47e-05	0.0	-7.11e-04
4381	156	-0.13	8.27	-3.59	-4.75e-04	0.0	1.09e-04
4381	161	8.57	-10.20	0.12	7.01e-04	0.0	-5.18e-04
4381	176	15.14	-0.13	-2.39	5.31e-05	0.0	-7.00e-04
4381	188	-0.20	8.18	-3.55	-4.69e-04	0.0	1.13e-04
4381	193	8.82	-10.11	0.10	6.93e-04	0.0	-5.22e-04
4381	216	18.04	-0.45	-2.45	6.41e-05	0.0	-8.70e-04
4381	220	-0.34	9.56	-3.86	-5.58e-04	0.0	1.39e-04
4381	225	10.53	-11.77	0.39	7.96e-04	0.0	-6.17e-04
4382	4	0.63	0.49	-3.01	5.82e-05	0.0	1.30e-04
4382	28	0.66	-1.48	-2.69	2.05e-04	0.0	-4.00e-04
4382	44	0.59	-2.10	-2.26	2.45e-04	0.0	-6.33e-04
4382	68	0.45	0.31	-2.13	4.37e-05	0.0	8.36e-05
4382	80	0.47	-1.00	-1.91	1.42e-04	0.0	-2.70e-04
4382	88	0.42	-1.42	-1.63	1.68e-04	0.0	-4.25e-04
4382	98	0.39	-0.27	-1.72	7.37e-05	0.0	-3.03e-05
4382	105	0.38	-0.48	-1.62	8.84e-05	0.0	-1.08e-04
4382	107	0.38	-0.26	-1.65	7.05e-05	0.0	-2.98e-05
4382	112	13.89	-0.16	-2.33	5.11e-05	0.0	-7.13e-04
4382	124	-3.88e-03	7.53	-3.37	-3.85e-04	0.0	1.08e-04
4382	129	7.93	-9.41	-0.08	5.94e-04	0.0	-5.38e-04
4382	144	15.61	-0.15	-2.42	4.87e-05	0.0	-8.00e-04
4382	156	-0.07	8.50	-3.58	-4.42e-04	0.0	1.26e-04
4382	161	8.93	-10.56	0.12	6.59e-04	0.0	-6.03e-04
4382	176	15.73	-0.16	-2.39	4.71e-05	0.0	-7.89e-04
4382	188	-0.14	8.41	-3.55	-4.36e-04	0.0	1.30e-04
4382	193	9.18	-10.47	0.10	6.52e-04	0.0	-6.08e-04
4382	216	18.71	-0.48	-2.45	5.95e-05	0.0	-9.70e-04
4382	220	-0.29	9.84	-3.86	-5.20e-04	0.0	1.62e-04
4382	225	10.95	-12.18	0.39	7.48e-04	0.0	-7.16e-04
4383	4	0.75	0.45	-3.01	7.81e-05	0.0	1.12e-04
4383	28	0.77	-1.57	-2.69	1.40e-04	0.0	-4.37e-04
4383	44	0.69	-2.21	-2.26	1.43e-04	0.0	-6.76e-04
4383	68	0.54	0.28	-2.13	5.67e-05	0.0	7.01e-05
4383	80	0.55	-1.07	-1.91	9.77e-05	0.0	-2.96e-04
4383	88	0.50	-1.49	-1.63	1.00e-04	0.0	-4.55e-04
4383	98	0.47	-0.31	-1.72	6.77e-05	0.0	-4.59e-05
4383	105	0.45	-0.53	-1.62	7.02e-05	0.0	-1.26e-04
4383	107	0.45	-0.29	-1.65	6.49e-05	0.0	-4.49e-05
4383	112	14.37	-0.18	-2.33	-1.42e-04	0.0	-7.82e-04
4383	124	0.06	7.72	-3.37	-4.12e-04	0.0	9.74e-05
4383	129	8.23	-9.71	-0.08	5.44e-04	0.0	-5.87e-04
4383	144	16.15	-0.17	-2.42	-1.68e-04	0.0	-8.76e-04
4383	156	-4.11e-03	8.72	-3.58	-4.72e-04	0.0	1.16e-04
4383	161	9.25	-10.89	0.12	6.04e-04	0.0	-6.57e-04
4383	176	16.27	-0.18	-2.39	-1.60e-04	0.0	-8.65e-04
4383	188	-0.08	8.63	-3.55	-4.63e-04	0.0	1.21e-04
4383	193	9.51	-10.79	0.10	5.96e-04	0.0	-6.62e-04
4383	216	19.32	-0.51	-2.45	3.05e-05	0.0	-1.06e-03
4383	220	-0.23	10.10	-3.85	-5.50e-04	0.0	1.54e-04
4383	225	11.33	-12.55	0.39	6.84e-04	0.0	-7.79e-04
4384	4	0.40	0.49	-2.93	-4.35e-05	1.86e-04	7.29e-05
4384	44	0.36	-1.64	-2.19	1.38e-04	1.54e-04	-1.86e-04
4384	52	0.41	-0.32	-2.77	2.06e-05	1.83e-04	1.38e-05
4384	68	0.28	0.31	-2.07	-3.00e-05	1.34e-04	4.84e-05
4384	88	0.25	-1.10	-1.57	9.07e-05	1.13e-04	-1.24e-04
4384	92	0.29	-0.23	-1.96	1.27e-05	1.32e-04	8.97e-06

4384	98	0.24	-0.19	-1.67	7.29e-06	1.16e-04	6.73e-06
4384	105	0.23	-0.36	-1.56	2.23e-05	1.10e-04	-2.02e-05
4384	107	0.23	-0.18	-1.60	5.76e-06	1.12e-04	5.93e-06
4384	112	12.82	0.10	-2.33	-2.30e-04	8.82e-04	-4.98e-04
4384	129	7.29	-8.63	0.11	5.52e-04	5.36e-04	-3.35e-04
4384	130	-6.82	8.27	-3.31	-5.40e-04	-3.11e-04	3.47e-04
4384	144	14.43	0.14	-2.42	-2.60e-04	9.80e-04	-5.62e-04
4384	161	8.21	-9.69	0.32	6.20e-04	5.91e-04	-3.79e-04
4384	162	-7.75	9.33	-3.52	-6.08e-04	-3.67e-04	3.91e-04
4384	176	14.54	0.12	-2.40	-2.52e-04	9.84e-04	-5.52e-04
4384	193	8.45	-9.60	0.29	6.12e-04	6.04e-04	-3.80e-04
4384	194	-7.99	9.24	-3.49	-6.00e-04	-3.80e-04	3.92e-04
4384	216	17.34	-0.12	-1.75	-3.49e-05	1.13e-03	-7.00e-04
4384	225	10.10	-11.18	0.61	7.12e-04	7.03e-04	-4.52e-04
4384	226	-9.64	10.82	-3.81	-7.01e-04	-4.78e-04	4.64e-04
4385	4	0.51	0.46	-2.92	3.42e-05	2.14e-04	8.90e-05
4385	28	0.53	-1.23	-2.60	1.63e-04	2.13e-04	-2.29e-04
4385	44	0.47	-1.74	-2.18	1.96e-04	1.91e-04	-3.71e-04
4385	68	0.36	0.29	-2.06	2.60e-05	1.53e-04	5.77e-05
4385	80	0.38	-0.83	-1.85	1.12e-04	1.52e-04	-1.54e-04
4385	88	0.34	-1.17	-1.57	1.34e-04	1.38e-04	-2.49e-04
4385	98	0.32	-0.22	-1.66	5.50e-05	1.33e-04	-1.21e-05
4385	105	0.30	-0.40	-1.56	6.75e-05	1.28e-04	-5.92e-05
4385	107	0.30	-0.21	-1.59	5.22e-05	1.28e-04	-1.22e-05
4385	112	13.36	0.10	-2.32	-1.69e-04	9.82e-04	-6.00e-04
4385	129	7.61	-8.93	0.10	5.69e-04	5.95e-04	-4.27e-04
4385	130	-7.00	8.50	-3.29	-4.65e-04	-3.38e-04	4.03e-04
4385	144	15.03	0.13	-2.41	-1.96e-04	1.09e-03	-6.74e-04
4385	161	8.57	-10.02	0.31	6.33e-04	6.56e-04	-4.81e-04
4385	162	-7.97	9.60	-3.50	-5.29e-04	-3.99e-04	4.56e-04
4385	176	15.14	0.12	-2.38	-1.89e-04	1.09e-03	-6.64e-04
4385	193	8.82	-9.93	0.29	6.25e-04	6.71e-04	-4.84e-04
4385	194	-8.21	9.50	-3.47	-5.21e-04	-4.14e-04	4.59e-04
4385	216	18.04	-0.13	-1.75	1.02e-05	1.26e-03	-8.24e-04
4385	225	10.53	-11.56	0.60	7.20e-04	7.80e-04	-5.72e-04
4385	226	-9.92	11.13	-3.78	-6.16e-04	-5.23e-04	5.48e-04
4386	4	0.64	0.43	-2.92	5.32e-05	2.00e-04	7.85e-05
4386	28	0.66	-1.31	-2.60	1.67e-04	1.98e-04	-3.20e-04
4386	44	0.59	-1.84	-2.18	1.93e-04	1.77e-04	-4.93e-04
4386	68	0.45	0.27	-2.06	3.95e-05	1.43e-04	4.90e-05
4386	80	0.47	-0.89	-1.85	1.15e-04	1.42e-04	-2.16e-04
4386	88	0.42	-1.24	-1.57	1.33e-04	1.28e-04	-3.32e-04
4386	98	0.39	-0.26	-1.66	6.36e-05	1.24e-04	-3.51e-05
4386	105	0.38	-0.44	-1.56	7.38e-05	1.19e-04	-9.32e-05
4386	107	0.38	-0.25	-1.59	6.07e-05	1.19e-04	-3.44e-05
4386	112	13.89	0.09	-2.30	-1.51e-04	9.01e-04	-7.09e-04
4386	129	7.93	-9.22	0.09	5.61e-04	5.46e-04	-5.13e-04
4386	130	-7.18	8.73	-3.28	-4.40e-04	-3.07e-04	4.45e-04
4386	144	15.61	0.13	-2.39	-1.77e-04	1.00e-03	-7.95e-04
4386	161	8.93	-10.35	0.30	6.24e-04	6.01e-04	-5.75e-04
4386	162	-8.17	9.86	-3.49	-5.02e-04	-3.63e-04	5.06e-04
4386	176	15.73	0.12	-2.37	-1.70e-04	1.00e-03	-7.85e-04
4386	193	9.18	-10.25	0.28	6.16e-04	6.14e-04	-5.80e-04
4386	194	-8.43	9.76	-3.46	-4.94e-04	-3.76e-04	5.11e-04
4386	216	18.71	-0.14	-1.77	1.53e-05	1.15e-03	-9.63e-04
4386	225	10.95	-11.93	0.58	7.08e-04	7.13e-04	-6.83e-04
4386	226	-10.19	11.44	-3.77	-5.86e-04	-4.75e-04	6.14e-04
4387	4	0.76	0.40	-2.93	6.31e-05	1.11e-04	2.71e-05
4387	28	0.78	-1.40	-2.61	1.57e-04	1.10e-04	-3.72e-04
4387	44	0.70	-1.94	-2.19	1.76e-04	9.82e-05	-5.41e-04
4387	68	0.54	0.25	-2.07	4.65e-05	7.89e-05	1.17e-05
4387	80	0.55	-0.95	-1.86	1.09e-04	7.85e-05	-2.54e-04
4387	88	0.50	-1.31	-1.58	1.21e-04	7.06e-05	-3.67e-04
4387	98	0.47	-0.29	-1.67	6.51e-05	6.79e-05	-6.86e-05
4387	105	0.45	-0.48	-1.57	7.26e-05	6.52e-05	-1.26e-04
4387	107	0.45	-0.28	-1.60	6.24e-05	6.53e-05	-6.69e-05
4387	112	14.38	0.09	-2.30	-1.41e-04	5.29e-04	-8.57e-04
4387	129	8.23	-9.51	0.07	5.47e-04	3.16e-04	-6.03e-04
4387	130	-7.33	8.95	-3.28	-4.23e-04	-1.86e-04	4.69e-04
4387	144	16.16	0.13	-2.38	-1.66e-04	5.88e-04	-9.57e-04
4387	161	9.26	-10.67	0.28	6.08e-04	3.49e-04	-6.73e-04
4387	162	-8.35	10.11	-3.48	-4.83e-04	-2.18e-04	5.39e-04
4387	176	16.28	0.12	-2.36	-1.59e-04	5.90e-04	-9.48e-04
4387	193	9.52	-10.57	0.26	6.00e-04	3.56e-04	-6.80e-04
4387	194	-8.61	10.01	-3.46	-4.75e-04	-2.25e-04	5.46e-04

4387	216	19.33	-0.14	-1.80	1.40e-05	6.60e-04	-1.16e-03
4387	225	11.34	-12.29	0.56	6.89e-04	4.14e-04	-7.98e-04
4387	226	-10.43	11.73	-3.76	-5.64e-04	-2.83e-04	6.64e-04
4388	4	0.77	0.51	-3.11	1.66e-04	0.0	1.25e-04
4388	28	0.78	-1.93	-2.79	-1.04e-04	0.0	-3.87e-04
4388	44	0.70	-2.74	-2.36	-2.45e-04	0.0	-6.12e-04
4388	68	0.54	0.31	-2.21	1.14e-04	0.0	8.02e-05
4388	80	0.55	-1.31	-1.99	-6.60e-05	0.0	-2.61e-04
4388	88	0.50	-1.85	-1.70	-1.60e-04	0.0	-4.11e-04
4388	98	0.47	-0.36	-1.80	5.28e-05	0.0	-2.95e-05
4388	105	0.45	-0.64	-1.69	6.90e-06	0.0	-1.05e-04
4388	107	0.45	-0.35	-1.73	5.07e-05	0.0	-2.90e-05
4388	112	14.45	-0.70	-2.56	-8.97e-05	0.0	-7.25e-04
4388	124	0.06	7.93	-3.55	-2.92e-04	0.0	1.09e-04
4388	129	8.27	-10.34	-0.12	3.92e-04	0.0	-5.46e-04
4388	144	16.23	-0.75	-2.66	-1.07e-04	0.0	-8.13e-04
4388	156	-2.33e-03	8.96	-3.77	-3.34e-04	0.0	1.27e-04
4388	161	9.30	-11.60	0.08	4.34e-04	0.0	-6.13e-04
4388	176	16.36	-0.75	-2.64	-1.01e-04	0.0	-8.02e-04
4388	188	-0.08	8.88	-3.74	-3.28e-04	0.0	1.31e-04
4388	193	9.56	-11.51	0.06	4.28e-04	0.0	-6.17e-04
4388	216	19.41	-1.23	-2.64	-1.78e-05	0.0	-9.95e-04
4388	220	-0.23	10.40	-4.07	-3.89e-04	0.0	1.63e-04
4388	225	11.39	-13.39	0.35	4.90e-04	0.0	-7.27e-04
4389	4	0.76	0.45	-3.07	1.33e-04	0.0	1.15e-04
4389	28	0.77	-1.78	-2.74	-1.44e-05	0.0	-3.75e-04
4389	44	0.69	-2.49	-2.32	-1.01e-04	0.0	-5.90e-04
4389	68	0.54	0.28	-2.17	9.24e-05	0.0	7.33e-05
4389	80	0.55	-1.21	-1.95	-5.76e-06	0.0	-2.53e-04
4389	88	0.50	-1.69	-1.67	-6.36e-05	0.0	-3.97e-04
4389	98	0.47	-0.35	-1.77	5.76e-05	0.0	-3.13e-05
4389	105	0.45	-0.60	-1.66	2.98e-05	0.0	-1.03e-04
4389	107	0.45	-0.34	-1.70	5.53e-05	0.0	-3.08e-05
4389	112	14.45	-0.44	-2.44	-1.01e-04	0.0	-7.30e-04
4389	124	0.06	7.91	-3.46	-3.33e-04	0.0	1.04e-04
4389	129	8.27	-10.15	-0.10	4.45e-04	0.0	-5.46e-04
4389	144	16.23	-0.46	-2.54	-1.21e-04	0.0	-8.18e-04
4389	156	-5.27e-03	8.94	-3.68	-3.82e-04	0.0	1.22e-04
4389	161	9.29	-11.39	0.10	4.93e-04	0.0	-6.13e-04
4389	176	16.35	-0.47	-2.51	-1.14e-04	0.0	-8.07e-04
4389	188	-0.08	8.85	-3.65	-3.74e-04	0.0	1.26e-04
4389	193	9.56	-11.29	0.08	4.87e-04	0.0	-6.17e-04
4389	216	19.41	-0.88	-2.52	-6.83e-06	0.0	-1.00e-03
4389	220	-0.23	10.37	-3.96	-4.44e-04	0.0	1.58e-04
4389	225	11.38	-13.13	0.37	5.58e-04	0.0	-7.27e-04
4390	4	0.75	0.40	-3.11	2.05e-04	0.0	6.28e-05
4390	44	0.68	-2.51	-2.36	-4.34e-04	0.0	-3.32e-04
4390	52	0.76	-0.65	-2.95	7.84e-05	0.0	-2.89e-05
4390	68	0.53	0.24	-2.20	1.40e-04	0.0	3.98e-05
4390	88	0.48	-1.70	-1.70	-2.87e-04	0.0	-2.23e-04
4390	92	0.54	-0.46	-2.09	5.50e-05	0.0	-2.13e-05
4390	98	0.46	-0.38	-1.80	4.37e-05	0.0	-1.88e-05
4390	105	0.44	-0.63	-1.69	-2.54e-05	0.0	-5.91e-05
4390	107	0.44	-0.37	-1.73	4.19e-05	0.0	-1.87e-05
4390	112	14.46	-0.67	-2.55	-9.15e-05	0.0	-6.76e-04
4390	124	0.05	8.05	-3.54	-2.40e-04	0.0	7.33e-05
4390	129	8.26	-10.50	-0.12	3.04e-04	0.0	-4.71e-04
4390	144	16.24	-0.71	-2.65	-1.08e-04	0.0	-7.59e-04
4390	156	-0.02	9.10	-3.77	-2.75e-04	0.0	8.56e-05
4390	161	9.29	-11.78	0.08	3.37e-04	0.0	-5.29e-04
4390	176	16.37	-0.71	-2.62	-1.05e-04	0.0	-7.48e-04
4390	188	-0.09	9.01	-3.74	-2.70e-04	0.0	8.95e-05
4390	193	9.56	-11.68	0.06	3.33e-04	0.0	-5.32e-04
4390	216	19.41	-1.20	-2.63	-7.78e-05	0.0	-9.43e-04
4390	220	-0.24	10.56	-4.06	-3.21e-04	0.0	1.12e-04
4390	225	11.39	-13.59	0.35	3.80e-04	0.0	-6.30e-04
4391	4	0.74	0.38	-3.07	1.64e-04	0.0	5.92e-05
4391	44	0.67	-2.39	-2.32	-2.43e-04	0.0	-3.29e-04
4391	52	0.76	-0.64	-2.90	9.15e-05	0.0	-3.10e-05
4391	68	0.53	0.23	-2.17	1.13e-04	0.0	3.73e-05
4391	88	0.48	-1.62	-1.67	-1.59e-04	0.0	-2.21e-04
4391	92	0.54	-0.45	-2.06	6.45e-05	0.0	-2.28e-05
4391	98	0.46	-0.38	-1.77	5.16e-05	0.0	-2.02e-05
4391	105	0.44	-0.60	-1.66	6.19e-06	0.0	-5.97e-05
4391	107	0.44	-0.36	-1.70	4.96e-05	0.0	-1.99e-05

4391	112	14.45	-0.42	-2.44	-8.56e-05	0.0	-6.78e-04
4391	124	0.05	8.05	-3.46	-2.85e-04	0.0	7.10e-05
4391	129	8.26	-10.35	-0.10	3.63e-04	0.0	-4.71e-04
4391	144	16.24	-0.44	-2.53	-1.02e-04	0.0	-7.61e-04
4391	156	-0.02	9.10	-3.68	-3.27e-04	0.0	8.31e-05
4391	161	9.29	-11.60	0.10	4.02e-04	0.0	-5.29e-04
4391	176	16.36	-0.44	-2.51	-9.77e-05	0.0	-7.50e-04
4391	188	-0.09	9.01	-3.65	-3.21e-04	0.0	8.71e-05
4391	193	9.56	-11.51	0.08	3.97e-04	0.0	-5.33e-04
4391	216	19.40	-0.86	-2.52	-1.07e-04	0.0	-9.45e-04
4391	220	-0.24	10.56	-3.96	-3.81e-04	0.0	1.10e-04
4391	225	11.38	-13.38	0.37	4.54e-04	0.0	-6.30e-04
4392	4	0.72	0.28	-3.11	-3.80e-04	6.60e-05	4.03e-06
4392	44	0.65	-2.21	-2.35	-2.04e-04	5.81e-05	-2.51e-05
4392	52	0.73	-0.68	-2.94	-3.25e-04	6.15e-05	-2.82e-06
4392	68	0.51	0.16	-2.20	-2.72e-04	5.38e-05	2.04e-06
4392	88	0.46	-1.50	-1.70	-1.55e-04	4.85e-05	-1.74e-05
4392	92	0.52	-0.48	-2.09	-2.36e-04	5.08e-05	-2.52e-06
4392	98	0.44	-0.40	-1.80	-2.20e-04	5.82e-05	-3.13e-06
4392	105	0.42	-0.60	-1.69	-2.01e-04	5.81e-05	-6.17e-06
4392	107	0.43	-0.38	-1.73	-2.13e-04	5.93e-05	-3.29e-06
4392	112	14.46	-0.63	-2.54	-4.73e-04	1.86e-04	-6.21e-04
4392	124	0.03	8.15	-3.54	-8.32e-04	1.74e-04	5.68e-05
4392	129	8.26	-10.63	-0.12	3.43e-04	6.75e-06	-4.02e-04
4392	144	16.25	-0.66	-2.64	-5.05e-04	2.02e-04	-6.99e-04
4392	156	-0.03	9.21	-3.77	-9.10e-04	1.88e-04	6.49e-05
4392	161	9.29	-11.92	0.09	4.12e-04	0.0	-4.53e-04
4392	176	16.37	-0.67	-2.62	-4.93e-04	2.00e-04	-6.88e-04
4392	188	-0.11	9.12	-3.73	-8.98e-04	1.86e-04	6.71e-05
4392	193	9.55	-11.82	0.06	4.05e-04	1.60e-06	-4.54e-04
4392	216	19.40	-1.16	-2.62	-5.37e-04	1.93e-04	-8.84e-04
4392	220	-0.26	10.69	-4.06	-1.01e-03	2.06e-04	8.27e-05
4392	225	11.38	-13.74	0.35	5.07e-04	-6.78e-06	-5.40e-04
4393	4	0.72	0.28	-3.07	-3.84e-04	9.33e-05	-5.05e-06
4393	44	0.65	-2.21	-2.32	-2.08e-04	8.08e-05	-6.99e-06
4393	52	0.74	-0.68	-2.90	-3.30e-04	8.89e-05	-5.67e-06
4393	68	0.52	0.16	-2.17	-2.76e-04	7.26e-05	-4.15e-06
4393	88	0.47	-1.50	-1.67	-1.58e-04	6.43e-05	-5.44e-06
4393	92	0.52	-0.48	-2.06	-2.40e-04	6.97e-05	-4.57e-06
4393	98	0.44	-0.40	-1.77	-2.24e-04	7.43e-05	-4.91e-06
4393	105	0.43	-0.60	-1.66	-2.04e-04	7.32e-05	-5.12e-06
4393	107	0.43	-0.38	-1.70	-2.16e-04	7.44e-05	-5.00e-06
4393	112	14.46	-0.40	-2.44	-4.69e-04	3.10e-04	-6.19e-04
4393	124	0.03	8.17	-3.46	-8.31e-04	2.43e-04	4.93e-05
4393	129	8.26	-10.52	-0.10	3.39e-04	2.58e-05	-3.95e-04
4393	144	16.25	-0.41	-2.53	-5.00e-04	3.40e-04	-6.96e-04
4393	156	-0.03	9.25	-3.68	-9.07e-04	2.64e-04	5.67e-05
4393	161	9.29	-11.79	0.10	4.08e-04	2.00e-05	-4.45e-04
4393	176	16.37	-0.41	-2.50	-4.89e-04	3.40e-04	-6.86e-04
4393	188	-0.11	9.15	-3.65	-8.96e-04	2.63e-04	5.85e-05
4393	193	9.55	-11.69	0.08	4.01e-04	2.29e-05	-4.46e-04
4393	216	19.40	-0.83	-2.51	-5.32e-04	3.60e-04	-8.82e-04
4393	220	-0.26	10.72	-3.96	-1.01e-03	2.95e-04	7.27e-05
4393	225	11.38	-13.59	0.37	5.02e-04	1.69e-05	-5.30e-04
4394	4	0.76	0.41	-3.01	9.75e-05	0.0	9.02e-05
4394	28	0.77	-1.62	-2.69	7.82e-05	0.0	-3.46e-04
4394	44	0.69	-2.25	-2.26	4.77e-05	0.0	-5.37e-04
4394	68	0.54	0.25	-2.13	6.93e-05	0.0	5.67e-05
4394	80	0.55	-1.10	-1.91	5.64e-05	0.0	-2.34e-04
4394	88	0.50	-1.52	-1.63	3.61e-05	0.0	-3.61e-04
4394	98	0.47	-0.34	-1.73	6.21e-05	0.0	-3.56e-05
4394	105	0.45	-0.56	-1.62	5.31e-05	0.0	-9.95e-05
4394	107	0.45	-0.32	-1.65	5.97e-05	0.0	-3.50e-05
4394	112	14.44	-0.18	-2.33	-1.18e-04	0.0	-7.40e-04
4394	124	0.06	7.90	-3.37	-3.76e-04	0.0	8.80e-05
4394	129	8.26	-9.96	-0.08	4.97e-04	0.0	-5.42e-04
4394	144	16.23	-0.17	-2.42	-1.40e-04	0.0	-8.29e-04
4394	156	-6.94e-03	8.93	-3.58	-4.30e-04	0.0	1.04e-04
4394	161	9.29	-11.17	0.11	5.51e-04	0.0	-6.07e-04
4394	176	16.35	-0.18	-2.39	-1.33e-04	0.0	-8.18e-04
4394	188	-0.08	8.83	-3.55	-4.22e-04	0.0	1.09e-04
4394	193	9.56	-11.07	0.10	5.44e-04	0.0	-6.12e-04
4394	216	19.40	-0.52	-2.45	2.38e-06	0.0	-1.01e-03
4394	220	-0.23	10.34	-3.85	-5.00e-04	0.0	1.38e-04
4394	225	11.38	-12.88	0.38	6.24e-04	0.0	-7.21e-04

4395	4	0.74	0.35	-3.01	1.17e-04	0.0	5.02e-05
4395	44	0.67	-2.25	-2.27	-2.64e-05	0.0	-3.09e-04
4395	52	0.76	-0.63	-2.85	1.06e-04	0.0	-3.36e-05
4395	68	0.53	0.21	-2.13	8.24e-05	0.0	3.12e-05
4395	88	0.48	-1.52	-1.63	-1.34e-05	0.0	-2.08e-04
4395	92	0.54	-0.44	-2.02	7.46e-05	0.0	-2.47e-05
4395	98	0.46	-0.37	-1.73	6.01e-05	0.0	-2.18e-05
4395	105	0.44	-0.58	-1.62	4.16e-05	0.0	-5.84e-05
4395	107	0.44	-0.35	-1.66	5.79e-05	0.0	-2.15e-05
4395	112	14.45	-0.18	-2.33	-1.02e-04	0.0	-6.78e-04
4395	124	0.05	8.06	-3.36	-3.45e-04	0.0	6.58e-05
4395	129	8.26	-10.19	-0.08	4.62e-04	0.0	-4.68e-04
4395	144	16.24	-0.16	-2.42	-1.22e-04	0.0	-7.61e-04
4395	156	-0.02	9.11	-3.58	-3.95e-04	0.0	7.75e-05
4395	161	9.29	-11.43	0.11	5.13e-04	0.0	-5.26e-04
4395	176	16.36	-0.17	-2.39	-1.15e-04	0.0	-7.51e-04
4395	188	-0.09	9.01	-3.55	-3.88e-04	0.0	8.14e-05
4395	193	9.56	-11.33	0.09	5.06e-04	0.0	-5.29e-04
4395	216	19.40	-0.51	-2.45	-8.51e-06	0.0	-9.46e-04
4395	220	-0.24	10.56	-3.85	-4.60e-04	0.0	1.03e-04
4395	225	11.38	-13.17	0.38	5.80e-04	0.0	-6.26e-04
4396	4	0.73	0.28	-3.02	-3.89e-04	1.08e-04	-1.05e-05
4396	44	0.65	-2.20	-2.27	-2.13e-04	9.13e-05	-8.86e-06
4396	52	0.74	-0.68	-2.85	-3.35e-04	1.04e-04	-1.05e-05
4396	68	0.52	0.16	-2.13	-2.79e-04	8.29e-05	-8.04e-06
4396	88	0.47	-1.50	-1.63	-1.62e-04	7.15e-05	-6.92e-06
4396	92	0.52	-0.48	-2.02	-2.43e-04	7.98e-05	-8.01e-06
4396	98	0.44	-0.40	-1.73	-2.27e-04	8.33e-05	-7.88e-06
4396	105	0.43	-0.59	-1.62	-2.08e-04	8.14e-05	-7.66e-06
4396	107	0.43	-0.38	-1.66	-2.20e-04	8.26e-05	-7.87e-06
4396	112	14.46	-0.17	-2.33	-4.65e-04	3.86e-04	-6.21e-04
4396	124	0.03	8.21	-3.37	-8.29e-04	2.90e-04	4.55e-05
4396	129	8.26	-10.41	-0.09	3.35e-04	3.06e-05	-3.97e-04
4396	144	16.25	-0.15	-2.42	-4.96e-04	4.24e-04	-6.99e-04
4396	156	-0.03	9.28	-3.58	-9.05e-04	3.17e-04	5.27e-05
4396	161	9.29	-11.67	0.11	4.04e-04	2.45e-05	-4.47e-04
4396	176	16.37	-0.16	-2.39	-4.86e-04	4.25e-04	-6.89e-04
4396	188	-0.11	9.18	-3.55	-8.94e-04	3.16e-04	5.44e-05
4396	193	9.55	-11.57	0.09	3.97e-04	2.82e-05	-4.48e-04
4396	216	19.40	-0.50	-2.45	-5.27e-04	4.61e-04	-8.85e-04
4396	220	-0.26	10.76	-3.85	-1.00e-03	3.56e-04	6.83e-05
4396	225	11.38	-13.44	0.38	4.98e-04	2.23e-05	-5.31e-04
4397	4	0.75	0.37	-2.94	7.40e-05	1.54e-05	4.16e-05
4397	28	0.77	-1.48	-2.62	1.47e-04	1.87e-05	-2.79e-04
4397	44	0.69	-2.03	-2.20	1.57e-04	1.78e-05	-4.16e-04
4397	68	0.54	0.23	-2.08	5.40e-05	1.06e-05	2.37e-05
4397	80	0.55	-1.01	-1.86	1.03e-04	1.28e-05	-1.90e-04
4397	88	0.49	-1.37	-1.58	1.10e-04	1.22e-05	-2.82e-04
4397	98	0.47	-0.32	-1.68	6.67e-05	8.58e-06	-4.24e-05
4397	105	0.45	-0.52	-1.57	7.13e-05	8.56e-06	-8.87e-05
4397	107	0.45	-0.31	-1.61	6.42e-05	8.03e-06	-4.14e-05
4397	112	14.44	0.08	-2.29	-1.33e-04	1.63e-04	-7.50e-04
4397	129	8.26	-9.78	0.06	5.34e-04	-9.61e-06	-5.28e-04
4397	130	-7.37	9.16	-3.28	-4.06e-04	2.57e-05	4.45e-04
4397	144	16.22	0.13	-2.38	-1.57e-04	1.83e-04	-8.40e-04
4397	161	9.29	-10.97	0.27	5.93e-04	-1.17e-05	-5.91e-04
4397	162	-8.39	10.35	-3.49	-4.65e-04	2.78e-05	5.08e-04
4397	176	16.35	0.12	-2.36	-1.50e-04	1.82e-04	-8.30e-04
4397	193	9.56	-10.86	0.24	5.86e-04	-1.06e-05	-5.96e-04
4397	194	-8.66	10.25	-3.46	-4.57e-04	2.67e-05	5.13e-04
4397	216	19.40	-0.15	-1.81	1.57e-05	1.82e-04	-1.03e-03
4397	225	11.38	-12.63	0.55	6.72e-04	-1.27e-05	-7.01e-04
4397	226	-10.48	12.01	-3.76	-5.44e-04	2.88e-05	6.18e-04
4398	4	0.74	0.33	-2.95	8.27e-05	-1.98e-05	2.76e-05
4398	44	0.67	-2.12	-2.22	1.45e-04	-1.13e-05	-2.38e-04
4398	52	0.75	-0.61	-2.79	1.19e-04	-1.84e-05	-3.48e-05
4398	68	0.53	0.20	-2.08	6.00e-05	-1.47e-05	1.61e-05
4398	88	0.48	-1.44	-1.59	1.02e-04	-9.10e-06	-1.61e-04
4398	92	0.54	-0.43	-1.98	8.43e-05	-1.38e-05	-2.55e-05
4398	98	0.46	-0.36	-1.68	6.82e-05	-1.34e-05	-2.28e-05
4398	105	0.44	-0.55	-1.58	7.07e-05	-1.24e-05	-4.97e-05
4398	107	0.44	-0.34	-1.61	6.58e-05	-1.33e-05	-2.24e-05
4398	112	14.45	0.07	-2.30	-1.28e-04	7.15e-05	-6.69e-04
4398	129	8.26	-10.04	0.05	5.27e-04	-3.25e-05	-4.55e-04
4398	130	-7.38	9.36	-3.28	-3.95e-04	5.98e-06	4.10e-04

4398	144	16.24	0.12	-2.38	-1.52e-04	8.21e-05	-7.51e-04
4398	161	9.29	-11.26	0.26	5.85e-04	-3.50e-05	-5.11e-04
4398	162	-8.41	10.57	-3.49	-4.53e-04	8.40e-06	4.66e-04
4398	176	16.36	0.11	-2.36	-1.46e-04	7.93e-05	-7.40e-04
4398	193	9.55	-11.15	0.24	5.78e-04	-3.48e-05	-5.14e-04
4398	194	-8.68	10.47	-3.46	-4.46e-04	8.24e-06	4.69e-04
4398	216	19.40	-0.16	-1.83	1.93e-05	6.17e-05	-9.33e-04
4398	225	11.38	-12.96	0.54	6.62e-04	-3.81e-05	-6.07e-04
4398	226	-10.50	12.27	-3.76	-5.31e-04	1.15e-05	5.63e-04
4399	4	0.73	0.29	-2.96	-3.94e-04	3.17e-05	-6.77e-06
4399	44	0.65	-2.20	-2.23	-2.17e-04	1.30e-04	-6.42e-06
4399	52	0.74	-0.67	-2.80	-3.39e-04	5.57e-05	-7.35e-06
4399	68	0.52	0.17	-2.09	-2.83e-04	2.36e-05	-5.23e-06
4399	88	0.47	-1.49	-1.60	-1.65e-04	8.91e-05	-5.00e-06
4399	92	0.52	-0.47	-1.99	-2.47e-04	3.96e-05	-5.62e-06
4399	98	0.44	-0.39	-1.69	-2.31e-04	3.35e-05	-5.54e-06
4399	105	0.43	-0.59	-1.58	-2.12e-04	4.29e-05	-5.41e-06
4399	107	0.43	-0.38	-1.62	-2.24e-04	3.22e-05	-5.53e-06
4399	112	14.46	0.06	-2.30	-4.62e-04	1.89e-04	-6.19e-04
4399	129	8.26	-10.31	0.05	3.31e-04	9.80e-05	-3.99e-04
4399	130	-7.41	9.55	-3.29	-7.78e-04	-3.35e-05	3.88e-04
4399	144	16.25	0.11	-2.39	-4.91e-04	2.09e-04	-6.97e-04
4399	161	9.29	-11.55	0.25	4.00e-04	1.07e-04	-4.49e-04
4399	162	-8.44	10.80	-3.49	-8.47e-04	-4.21e-05	4.38e-04
4399	176	16.37	0.10	-2.36	-4.82e-04	2.08e-04	-6.86e-04
4399	193	9.55	-11.44	0.23	3.93e-04	1.08e-04	-4.51e-04
4399	194	-8.70	10.69	-3.47	-8.40e-04	-4.32e-05	4.40e-04
4399	216	19.40	-0.17	-1.83	-5.21e-04	1.79e-04	-8.83e-04
4399	225	11.38	-13.29	0.53	4.93e-04	1.23e-04	-5.35e-04
4399	226	-10.53	12.54	-3.77	-9.41e-04	-5.81e-05	5.24e-04
4400	4	0.03	0.83	-2.83	-7.68e-04	0.0	-1.69e-04
4400	44	-9.79e-04	-2.30	-2.08	2.75e-03	0.0	4.94e-04
4400	68	0.02	0.55	-2.02	-5.09e-04	0.0	-1.14e-04
4400	88	-1.04e-03	-1.54	-1.52	1.84e-03	0.0	3.28e-04
4400	98	0.01	-0.06	-1.66	4.71e-05	0.0	-9.61e-06
4400	105	8.02e-03	-0.35	-1.56	4.02e-04	0.0	5.84e-05
4400	107	0.01	-0.05	-1.60	4.52e-05	0.0	-9.26e-06
4400	112	9.03	-1.80	-2.63	3.43e-04	0.0	-4.41e-04
4400	128	-0.37	4.10	-3.68	-1.00e-03	0.0	1.22e-05
4400	129	5.10	-6.12	0.14	1.46e-03	0.0	-2.70e-04
4400	144	10.18	-2.03	-2.75	3.81e-04	0.0	-4.96e-04
4400	156	-0.31	4.65	-3.94	-1.14e-03	0.0	1.97e-05
4400	161	5.77	-6.89	0.36	1.63e-03	0.0	-3.04e-04
4400	176	10.26	-2.04	-2.70	3.72e-04	0.0	-4.96e-04
4400	192	-0.37	4.56	-3.91	-1.13e-03	0.0	1.06e-05
4400	193	5.94	-6.88	0.34	1.62e-03	0.0	-3.08e-04
4400	216	12.37	-2.79	-2.89	4.82e-04	0.0	-6.33e-04
4400	224	-0.39	5.29	-4.29	-1.32e-03	0.0	1.09e-05
4400	225	7.13	-8.08	0.66	1.89e-03	0.0	-3.66e-04
4401	4	0.08	0.41	-2.64	-5.58e-04	-2.87e-04	-1.44e-05
4401	44	0.06	-0.85	-1.89	-3.24e-04	-2.90e-04	4.67e-06
4401	52	0.08	-0.06	-2.45	-4.88e-04	-2.95e-04	-9.21e-06
4401	68	0.06	0.27	-1.88	-3.96e-04	-2.10e-04	-9.89e-06
4401	88	0.04	-0.57	-1.38	-2.40e-04	-2.12e-04	2.83e-06
4401	92	0.06	-0.04	-1.75	-3.49e-04	-2.16e-04	-6.43e-06
4401	98	0.05	-0.03	-1.53	-3.04e-04	-1.96e-04	-5.27e-06
4401	105	0.04	-0.14	-1.43	-2.78e-04	-1.93e-04	-3.31e-06
4401	107	0.05	-0.03	-1.47	-2.93e-04	-1.91e-04	-4.99e-06
4401	112	8.93	-1.83	-2.68	-7.14e-04	-4.63e-04	-3.68e-04
4401	129	5.07	-5.44	0.71	5.30e-04	-4.02e-04	-2.22e-04
4401	130	-4.97	5.38	-3.66	-1.12e-03	1.97e-05	2.12e-04
4401	144	10.07	-2.07	-2.83	-7.66e-04	-4.97e-04	-4.15e-04
4401	161	5.73	-6.13	0.98	6.33e-04	-4.30e-04	-2.51e-04
4401	162	-5.63	6.06	-3.93	-1.22e-03	4.74e-05	2.41e-04
4401	176	10.14	-2.08	-2.78	-7.44e-04	-4.97e-04	-4.14e-04
4401	193	5.89	-6.13	0.95	6.19e-04	-4.36e-04	-2.54e-04
4401	194	-5.80	6.07	-3.90	-1.21e-03	5.37e-05	2.44e-04
4401	216	12.24	-2.84	-1.04	-2.03e-04	-5.79e-04	-5.26e-04
4401	225	7.07	-7.21	1.36	7.70e-04	-4.85e-04	-3.02e-04
4401	226	-6.97	7.14	-4.31	-1.36e-03	1.03e-04	2.93e-04
4402	4	0.03	0.73	-2.64	-5.98e-04	0.0	-1.81e-04
4402	44	-2.92e-03	-2.01	-1.89	2.21e-03	0.0	5.31e-04
4402	68	0.02	0.48	-1.88	-3.95e-04	0.0	-1.22e-04
4402	88	-2.50e-03	-1.35	-1.38	1.48e-03	0.0	3.53e-04
4402	98	0.01	-0.06	-1.53	5.23e-05	0.0	-9.91e-06

4402	105	6.89e-03	-0.32	-1.43	3.35e-04	0.0	6.32e-05
4402	107	9.80e-03	-0.06	-1.47	5.03e-05	0.0	-9.54e-06
4402	112	9.03	-2.04	-2.68	4.14e-04	0.0	-4.34e-04
4402	129	5.10	-6.20	0.71	1.46e-03	0.0	1.56e-05
4402	130	-5.08	6.08	-3.66	-1.36e-03	0.0	-3.47e-05
4402	144	10.18	-2.30	-2.83	4.60e-04	0.0	-4.88e-04
4402	161	5.77	-6.98	0.98	1.63e-03	0.0	1.84e-05
4402	162	-5.75	6.86	-3.93	-1.53e-03	0.0	-3.75e-05
4402	176	10.26	-2.31	-2.78	4.52e-04	0.0	-4.88e-04
4402	193	5.94	-6.98	0.95	1.63e-03	0.0	1.35e-05
4402	194	-5.92	6.86	-3.90	-1.53e-03	0.0	-3.26e-05
4402	216	12.37	-3.14	-1.05	5.92e-04	0.0	-6.25e-04
4402	225	7.13	-8.19	1.36	1.90e-03	0.0	1.38e-05
4402	226	-7.11	8.08	-4.31	-1.80e-03	0.0	-3.29e-05
4403	4	0.78	0.83	-3.07	3.63e-04	0.0	-6.09e-04
4403	28	0.79	-2.23	-2.75	-4.00e-04	0.0	1.18e-03
4403	44	0.72	-3.34	-2.33	-7.62e-04	0.0	1.98e-03
4403	68	0.56	0.54	-2.18	2.47e-04	0.0	-4.07e-04
4403	80	0.57	-1.51	-1.96	-2.61e-04	0.0	7.89e-04
4403	88	0.51	-2.24	-1.68	-5.03e-04	0.0	1.32e-03
4403	98	0.49	-0.28	-1.77	7.28e-05	0.0	-8.04e-06
4403	105	0.47	-0.66	-1.67	-4.66e-05	0.0	2.58e-04
4403	107	0.47	-0.27	-1.70	7.02e-05	0.0	-7.66e-06
4403	112	14.42	0.48	-2.33	-3.82e-05	0.0	-6.52e-04
4403	124	0.08	8.07	-3.35	-1.69e-04	0.0	-5.95e-04
4403	129	8.26	-9.68	-0.18	3.12e-04	0.0	2.83e-04
4403	144	16.20	0.57	-2.41	-5.17e-05	0.0	-7.34e-04
4403	156	0.01	9.12	-3.55	-1.99e-04	0.0	-6.68e-04
4403	161	9.29	-10.86	0.02	3.42e-04	0.0	3.18e-04
4403	176	16.32	0.55	-2.39	-4.81e-05	0.0	-7.25e-04
4403	188	-0.06	9.01	-3.52	-1.96e-04	0.0	-6.49e-04
4403	193	9.55	-10.75	-6.13e-03	3.39e-04	0.0	2.98e-04
4403	216	19.38	0.41	-2.49	5.80e-05	0.0	-9.23e-04
4403	220	-0.21	10.53	-3.82	-2.39e-04	0.0	-7.51e-04
4403	225	11.37	-12.49	0.27	3.84e-04	0.0	3.37e-04
4404	4	0.08	0.40	-2.44	-5.36e-04	-2.78e-04	-2.24e-05
4404	44	0.06	-0.84	-1.69	-3.04e-04	-2.83e-04	2.47e-05
4404	52	0.08	-0.06	-2.25	-4.67e-04	-2.86e-04	-1.09e-05
4404	68	0.06	0.26	-1.73	-3.80e-04	-2.05e-04	-1.53e-05
4404	88	0.04	-0.56	-1.23	-2.25e-04	-2.09e-04	1.61e-05
4404	92	0.06	-0.05	-1.60	-3.34e-04	-2.10e-04	-7.61e-06
4404	98	0.05	-0.04	-1.39	-2.90e-04	-1.93e-04	-6.30e-06
4404	105	0.04	-0.14	-1.30	-2.64e-04	-1.92e-04	-1.44e-06
4404	107	0.05	-0.04	-1.34	-2.80e-04	-1.90e-04	-5.98e-06
4404	112	8.93	-2.03	-0.89	-7.13e-04	-3.75e-04	-3.65e-04
4404	129	5.06	-5.52	0.95	3.98e-04	-3.49e-04	-2.22e-04
4404	130	-4.97	5.44	-3.63	-9.58e-04	-3.03e-05	2.10e-04
4404	144	10.06	-2.29	-0.83	-7.67e-04	-3.98e-04	-4.11e-04
4404	161	5.72	-6.21	1.23	4.83e-04	-3.70e-04	-2.49e-04
4404	162	-5.63	6.14	-3.91	-1.04e-03	-9.61e-06	2.38e-04
4404	176	10.14	-2.31	-0.85	-7.44e-04	-3.97e-04	-4.10e-04
4404	193	5.89	-6.22	1.21	4.78e-04	-3.73e-04	-2.52e-04
4404	194	-5.80	6.15	-3.89	-1.04e-03	-6.25e-06	2.41e-04
4404	216	12.23	-3.12	-0.63	-8.24e-04	-4.58e-04	-5.23e-04
4404	225	7.06	-7.31	1.65	6.03e-04	-4.09e-04	-3.00e-04
4404	226	-6.97	7.24	-4.33	-1.16e-03	2.95e-05	2.88e-04
4405	4	0.03	0.61	-2.45	-3.99e-04	0.0	-2.01e-04
4405	44	-2.67e-03	-1.67	-1.69	1.58e-03	0.0	5.92e-04
4405	68	0.02	0.40	-1.74	-2.62e-04	0.0	-1.35e-04
4405	88	-2.35e-03	-1.12	-1.23	1.06e-03	0.0	3.94e-04
4405	98	0.01	-0.07	-1.39	5.68e-05	0.0	-1.08e-05
4405	105	7.24e-03	-0.27	-1.30	2.54e-04	0.0	7.06e-05
4405	107	0.01	-0.07	-1.34	5.48e-05	0.0	-1.04e-05
4405	112	9.03	-2.28	-0.89	4.71e-04	0.0	-4.33e-04
4405	129	5.10	-6.26	0.95	1.43e-03	0.0	2.22e-05
4405	130	-5.08	6.13	-3.63	-1.32e-03	0.0	-4.30e-05
4405	144	10.18	-2.56	-0.83	5.24e-04	0.0	-4.87e-04
4405	161	5.77	-7.05	1.23	1.60e-03	0.0	2.59e-05
4405	162	-5.75	6.92	-3.91	-1.49e-03	0.0	-4.67e-05
4405	176	10.26	-2.57	-0.85	5.17e-04	0.0	-4.87e-04
4405	193	5.94	-7.06	1.21	1.60e-03	0.0	1.99e-05
4405	194	-5.92	6.93	-3.89	-1.49e-03	0.0	-4.07e-05
4405	216	12.37	-3.48	-0.63	6.85e-04	0.0	-6.27e-04
4405	225	7.13	-8.29	1.65	1.86e-03	0.0	2.07e-05
4405	226	-7.11	8.16	-4.33	-1.75e-03	0.0	-4.15e-05

4406	4	-0.04	1.23	-2.83	-7.69e-04	0.0	-2.67e-04
4406	42	-0.08	-3.71	-1.47	2.73e-03	0.0	7.97e-04
4406	44	-0.08	-3.74	-2.08	2.75e-03	0.0	7.93e-04
4406	68	-0.03	0.81	-2.02	-5.09e-04	0.0	-1.79e-04
4406	86	-0.06	-2.48	-1.11	1.82e-03	0.0	5.30e-04
4406	88	-0.06	-2.50	-1.52	1.84e-03	0.0	5.27e-04
4406	98	-0.04	-0.08	-1.66	4.71e-05	0.0	-1.36e-05
4406	104	-0.04	-0.54	-1.21	3.91e-04	0.0	9.77e-05
4406	105	-0.04	-0.56	-1.56	4.03e-04	0.0	9.52e-05
4406	106	-0.04	-0.06	-1.25	3.42e-05	0.0	-1.06e-05
4406	107	-0.04	-0.08	-1.60	4.53e-05	0.0	-1.32e-05
4406	115	-9.12	1.82	-0.57	-2.53e-04	0.0	4.90e-04
4406	129	5.10	-6.88	0.49	1.46e-03	0.0	-3.19e-04
4406	130	-5.17	6.73	-3.68	-1.37e-03	0.0	2.92e-04
4406	147	-10.28	2.06	-0.44	-2.91e-04	0.0	5.54e-04
4406	161	5.77	-7.75	0.75	1.63e-03	0.0	-3.58e-04
4406	162	-5.84	7.59	-3.94	-1.54e-03	0.0	3.32e-04
4406	179	-10.36	2.07	-0.49	-2.82e-04	0.0	5.54e-04
4406	193	5.94	-7.73	0.71	1.62e-03	0.0	-3.63e-04
4406	194	-6.01	7.58	-3.91	-1.53e-03	0.0	3.37e-04
4406	219	-12.47	2.88	-1.75	-3.92e-04	0.0	7.16e-04
4406	225	7.14	-9.07	1.09	1.89e-03	0.0	-4.31e-04
4406	226	-7.21	8.91	-4.29	-1.80e-03	0.0	4.05e-04
4407	4	0.78	1.19	-3.19	5.94e-04	0.0	-4.94e-04
4407	28	0.80	-2.93	-2.87	-8.56e-04	0.0	9.61e-04
4407	44	0.72	-4.50	-2.44	-1.52e-03	0.0	1.61e-03
4407	68	0.56	0.78	-2.26	4.01e-04	0.0	-3.30e-04
4407	80	0.57	-1.97	-2.05	-5.66e-04	0.0	6.40e-04
4407	88	0.52	-3.02	-1.77	-1.01e-03	0.0	1.07e-03
4407	98	0.49	-0.28	-1.86	7.40e-05	0.0	-6.91e-06
4407	105	0.47	-0.81	-1.75	-1.47e-04	0.0	2.09e-04
4407	107	0.47	-0.27	-1.79	7.13e-05	0.0	-6.51e-06
4407	112	14.44	0.86	-2.38	3.79e-05	0.0	-6.37e-04
4407	124	0.08	8.37	-3.42	1.81e-05	0.0	-4.93e-04
4407	129	8.27	-9.79	-0.24	1.27e-04	0.0	1.74e-04
4407	144	16.22	1.00	-2.46	3.37e-05	0.0	-7.17e-04
4407	156	0.01	9.45	-3.62	1.14e-05	0.0	-5.53e-04
4407	161	9.30	-10.99	-0.05	1.34e-04	0.0	1.95e-04
4407	176	16.34	0.97	-2.43	3.50e-05	0.0	-7.09e-04
4407	188	-0.06	9.33	-3.59	1.19e-05	0.0	-5.37e-04
4407	193	9.57	-10.86	-0.07	1.34e-04	0.0	1.78e-04
4407	216	19.40	0.95	-2.50	8.64e-05	0.0	-9.02e-04
4407	220	-0.21	10.91	-3.88	1.85e-06	0.0	-6.21e-04
4407	225	11.39	-12.62	0.21	1.45e-04	0.0	1.99e-04
4408	4	0.75	0.66	-3.07	3.62e-04	0.0	-4.23e-04
4408	44	0.69	-2.97	-2.34	-7.57e-04	0.0	1.38e-03
4408	52	0.77	-0.55	-2.91	1.26e-04	0.0	-8.16e-06
4408	68	0.54	0.42	-2.18	2.47e-04	0.0	-2.82e-04
4408	88	0.49	-2.00	-1.68	-5.00e-04	0.0	9.20e-04
4408	92	0.55	-0.38	-2.07	8.93e-05	0.0	-5.86e-06
4408	98	0.47	-0.32	-1.77	7.29e-05	0.0	-5.87e-06
4408	105	0.45	-0.64	-1.67	-4.59e-05	0.0	1.79e-04
4408	107	0.45	-0.31	-1.70	7.03e-05	0.0	-5.52e-06
4408	112	14.43	0.45	-2.34	-3.70e-05	0.0	-6.35e-04
4408	124	0.06	8.14	-3.35	-1.67e-04	0.0	-4.70e-04
4408	129	8.26	-9.83	-0.18	3.09e-04	0.0	1.49e-04
4408	144	16.22	0.54	-2.42	-5.04e-05	0.0	-7.15e-04
4408	156	-7.96e-03	9.20	-3.55	-1.96e-04	0.0	-5.28e-04
4408	161	9.29	-11.03	0.01	3.39e-04	0.0	1.67e-04
4408	176	16.34	0.53	-2.39	-4.69e-05	0.0	-7.06e-04
4408	188	-0.08	9.09	-3.52	-1.93e-04	0.0	-5.12e-04
4408	193	9.55	-10.92	-6.93e-03	3.36e-04	0.0	1.51e-04
4408	216	19.39	0.38	-2.50	5.86e-05	0.0	-9.01e-04
4408	224	-0.18	10.55	-3.82	-1.99e-04	0.0	-6.15e-04
4408	225	11.37	-12.68	0.27	3.81e-04	0.0	1.67e-04
4409	4	0.74	0.48	-3.08	3.69e-04	0.0	-2.21e-04
4409	44	0.67	-2.60	-2.34	-7.73e-04	0.0	7.15e-04
4409	52	0.75	-0.61	-2.92	1.28e-04	0.0	-6.58e-06
4409	68	0.53	0.29	-2.18	2.51e-04	0.0	-1.48e-04
4409	88	0.48	-1.75	-1.69	-5.10e-04	0.0	4.76e-04
4409	92	0.53	-0.43	-2.07	9.03e-05	0.0	-4.75e-06
4409	98	0.46	-0.36	-1.77	7.37e-05	0.0	-4.77e-06
4409	105	0.44	-0.62	-1.67	-4.74e-05	0.0	9.15e-05
4409	107	0.44	-0.34	-1.70	7.11e-05	0.0	-4.50e-06
4409	112	14.45	0.43	-2.34	-3.34e-05	0.0	-6.23e-04

4409	124	0.04	8.21	-3.35	-1.58e-04	0.0	-3.79e-04
4409	129	8.26	-9.99	-0.18	3.02e-04	0.0	4.56e-05
4409	144	16.24	0.52	-2.42	-4.64e-05	0.0	-7.01e-04
4409	156	-0.02	9.28	-3.56	-1.87e-04	0.0	-4.26e-04
4409	161	9.29	-11.20	0.01	3.31e-04	0.0	5.13e-05
4409	176	16.36	0.51	-2.39	-4.30e-05	0.0	-6.92e-04
4409	188	-0.09	9.17	-3.53	-1.83e-04	0.0	-4.15e-04
4409	193	9.55	-11.08	-7.63e-03	3.29e-04	0.0	4.08e-05
4409	216	19.40	0.35	-2.50	6.06e-05	0.0	-8.86e-04
4409	224	-0.20	10.65	-3.82	-1.89e-04	0.0	-5.06e-04
4409	225	11.38	-12.87	0.27	3.72e-04	0.0	4.16e-05
4410	4	0.73	0.29	-3.08	-3.95e-04	-1.77e-04	-2.68e-06
4410	44	0.65	-2.20	-2.34	-2.19e-04	-1.71e-04	-2.71e-06
4410	52	0.74	-0.67	-2.92	-3.41e-04	-1.76e-04	-3.65e-06
4410	68	0.52	0.17	-2.18	-2.84e-04	-1.34e-04	-2.06e-06
4410	88	0.47	-1.49	-1.69	-1.66e-04	-1.31e-04	-2.08e-06
4410	92	0.52	-0.47	-2.07	-2.48e-04	-1.34e-04	-2.71e-06
4410	98	0.44	-0.39	-1.77	-2.32e-04	-1.33e-04	-2.45e-06
4410	105	0.43	-0.59	-1.67	-2.13e-04	-1.32e-04	-2.31e-06
4410	107	0.43	-0.38	-1.70	-2.24e-04	-1.32e-04	-2.41e-06
4410	112	14.46	0.40	-2.34	-4.49e-04	-2.76e-04	-6.22e-04
4410	124	0.03	8.27	-3.35	-8.19e-04	-1.24e-04	5.92e-05
4410	129	8.26	-10.14	-0.18	3.30e-04	-2.18e-04	-4.03e-04
4410	144	16.25	0.50	-2.42	-4.77e-04	-2.94e-04	-7.01e-04
4410	156	-0.03	9.36	-3.56	-8.93e-04	-1.22e-04	6.76e-05
4410	161	9.29	-11.36	0.01	3.99e-04	-2.29e-04	-4.55e-04
4410	176	16.37	0.48	-2.39	-4.69e-04	-2.92e-04	-6.90e-04
4410	188	-0.11	9.24	-3.53	-8.82e-04	-1.22e-04	7.01e-05
4410	193	9.55	-11.24	-7.91e-03	3.91e-04	-2.29e-04	-4.57e-04
4410	216	19.40	0.32	-2.50	-5.03e-04	-3.36e-04	-8.84e-04
4410	224	-0.21	10.74	-3.82	-9.88e-04	-1.25e-04	6.25e-05
4410	225	11.38	-13.05	0.27	4.92e-04	-2.47e-04	-5.43e-04
4411	4	0.75	0.90	-3.19	5.93e-04	0.0	-3.46e-04
4411	44	0.68	-3.75	-2.44	-1.52e-03	0.0	1.12e-03
4411	52	0.76	-0.54	-3.03	1.28e-04	0.0	-9.07e-06
4411	68	0.54	0.58	-2.26	4.00e-04	0.0	-2.31e-04
4411	88	0.49	-2.52	-1.77	-1.01e-03	0.0	7.46e-04
4411	92	0.54	-0.38	-2.15	9.03e-05	0.0	-6.52e-06
4411	98	0.46	-0.32	-1.86	7.40e-05	0.0	-6.35e-06
4411	105	0.45	-0.74	-1.75	-1.47e-04	0.0	1.44e-04
4411	107	0.45	-0.30	-1.79	7.13e-05	0.0	-6.01e-06
4411	112	14.43	0.82	-2.38	3.91e-05	0.0	-6.29e-04
4411	124	0.05	8.36	-3.42	2.08e-05	0.0	-4.18e-04
4411	129	8.26	-9.85	-0.24	1.24e-04	0.0	8.98e-05
4411	144	16.21	0.96	-2.46	3.51e-05	0.0	-7.08e-04
4411	156	-9.08e-03	9.44	-3.62	1.45e-05	0.0	-4.69e-04
4411	161	9.28	-11.05	-0.05	1.31e-04	0.0	1.01e-04
4411	176	16.34	0.94	-2.43	3.63e-05	0.0	-6.99e-04
4411	188	-0.08	9.32	-3.59	1.50e-05	0.0	-4.55e-04
4411	193	9.55	-10.93	-0.07	1.31e-04	0.0	8.69e-05
4411	216	19.38	0.91	-2.50	8.70e-05	0.0	-8.92e-04
4411	220	-0.24	10.90	-3.88	5.44e-06	0.0	-5.28e-04
4411	225	11.37	-12.69	0.21	1.42e-04	0.0	9.36e-05
4412	4	0.74	0.60	-3.19	5.98e-04	0.0	-1.83e-04
4412	44	0.67	-2.99	-2.45	-1.54e-03	0.0	5.77e-04
4412	52	0.75	-0.60	-3.03	1.28e-04	0.0	-8.88e-06
4412	68	0.53	0.38	-2.26	4.04e-04	0.0	-1.22e-04
4412	88	0.48	-2.01	-1.77	-1.02e-03	0.0	3.84e-04
4412	92	0.53	-0.43	-2.15	9.04e-05	0.0	-6.42e-06
4412	98	0.45	-0.35	-1.86	7.41e-05	0.0	-6.04e-06
4412	105	0.44	-0.67	-1.75	-1.49e-04	0.0	7.21e-05
4412	107	0.44	-0.34	-1.79	7.14e-05	0.0	-5.78e-06
4412	112	14.45	0.79	-2.38	4.26e-05	0.0	-6.23e-04
4412	124	0.04	8.34	-3.42	2.91e-05	0.0	4.04e-05
4412	129	8.26	-9.91	-0.24	1.16e-04	0.0	-3.79e-04
4412	144	16.23	0.92	-2.46	3.91e-05	0.0	-7.02e-04
4412	156	-0.02	9.42	-3.62	2.38e-05	0.0	4.63e-05
4412	161	9.29	-11.11	-0.05	1.22e-04	0.0	-4.27e-04
4412	176	16.36	0.90	-2.43	4.03e-05	0.0	-6.92e-04
4412	188	-0.09	9.31	-3.59	2.43e-05	0.0	4.31e-05
4412	193	9.55	-10.99	-0.07	1.22e-04	0.0	-4.24e-04
4412	216	19.40	0.86	-2.50	8.86e-05	0.0	-8.85e-04
4412	220	-0.25	10.89	-3.88	1.62e-05	0.0	5.21e-05
4412	225	11.38	-12.76	0.21	1.31e-04	0.0	-5.00e-04
4413	4	0.73	0.29	-3.19	-3.96e-04	-1.62e-04	-1.72e-05

4413	44	0.65	-2.20	-2.45	-2.20e-04	-1.56e-04	1.80e-05
4413	52	0.74	-0.67	-3.03	-3.42e-04	-1.61e-04	-1.02e-05
4413	68	0.52	0.17	-2.26	-2.85e-04	-1.23e-04	-1.21e-05
4413	88	0.47	-1.49	-1.77	-1.67e-04	-1.19e-04	1.14e-05
4413	92	0.53	-0.47	-2.15	-2.49e-04	-1.22e-04	-7.38e-06
4413	98	0.45	-0.39	-1.86	-2.33e-04	-1.21e-04	-6.54e-06
4413	105	0.43	-0.59	-1.75	-2.13e-04	-1.20e-04	-2.71e-06
4413	107	0.43	-0.37	-1.79	-2.25e-04	-1.20e-04	-6.37e-06
4413	112	14.46	0.75	-2.38	-4.38e-04	-2.69e-04	-6.26e-04
4413	124	0.03	8.31	-3.42	-8.11e-04	-1.11e-04	4.86e-05
4413	129	8.26	-9.96	-0.24	3.29e-04	-2.08e-04	-4.00e-04
4413	144	16.25	0.89	-2.46	-4.64e-04	-2.88e-04	-7.05e-04
4413	156	-0.03	9.40	-3.62	-8.84e-04	-1.10e-04	5.60e-05
4413	161	9.29	-11.17	-0.05	3.98e-04	-2.20e-04	-4.50e-04
4413	176	16.37	0.87	-2.43	-4.56e-04	-2.85e-04	-6.94e-04
4413	188	-0.10	9.28	-3.59	-8.73e-04	-1.10e-04	5.80e-05
4413	193	9.55	-11.04	-0.07	3.90e-04	-2.20e-04	-4.52e-04
4413	216	19.40	0.82	-2.50	-4.86e-04	-3.30e-04	-8.89e-04
4413	220	-0.26	10.86	-3.88	-9.78e-04	-1.07e-04	7.24e-05
4413	225	11.38	-12.81	0.21	4.90e-04	-2.39e-04	-5.36e-04
4414	4	0.35	1.07	-3.44	-8.50e-04	0.0	6.83e-05
4414	44	0.31	-3.47	-2.69	3.12e-03	0.0	-2.10e-04
4414	52	0.36	-0.29	-3.28	8.93e-05	0.0	3.47e-06
4414	68	0.25	0.70	-2.46	-5.64e-04	0.0	4.57e-05
4414	88	0.22	-2.32	-1.95	2.09e-03	0.0	-1.40e-04
4414	92	0.26	-0.21	-2.35	6.26e-05	0.0	2.50e-06
4414	98	0.21	-0.17	-2.05	5.09e-05	0.0	2.19e-06
4414	105	0.20	-0.59	-1.94	4.55e-04	0.0	-2.62e-05
4414	107	0.20	-0.16	-1.97	4.85e-05	0.0	2.14e-06
4414	112	12.60	2.02	-2.79	-2.50e-04	0.0	-5.67e-04
4414	124	-0.15	7.63	-3.66	-8.97e-04	0.0	8.27e-05
4414	129	7.15	-8.04	-0.49	9.94e-04	0.0	-3.90e-04
4414	144	14.18	2.30	-2.89	-2.87e-04	0.0	-6.39e-04
4414	156	-0.21	8.60	-3.87	-1.01e-03	0.0	9.35e-05
4414	161	8.06	-9.02	-0.30	1.11e-03	0.0	-4.41e-04
4414	176	14.29	2.26	-2.88	-2.80e-04	0.0	-6.29e-04
4414	188	-0.28	8.47	-3.84	-9.96e-04	0.0	9.70e-05
4414	193	8.30	-8.90	-0.34	1.09e-03	0.0	-4.44e-04
4414	216	17.05	2.62	-3.03	-2.69e-04	0.0	-8.00e-04
4414	220	-0.41	9.88	-4.14	-1.17e-03	0.0	1.17e-04
4414	225	9.92	-10.32	-0.08	1.26e-03	0.0	-5.29e-04
4415	4	0.36	1.05	-3.42	-8.26e-04	0.0	6.50e-05
4415	44	0.32	-3.41	-2.66	3.07e-03	0.0	-1.99e-04
4415	52	0.37	-0.29	-3.26	9.38e-05	0.0	3.45e-06
4415	68	0.25	0.69	-2.44	-5.48e-04	0.0	4.36e-05
4415	88	0.22	-2.28	-1.93	2.05e-03	0.0	-1.32e-04
4415	92	0.26	-0.21	-2.33	6.59e-05	0.0	2.49e-06
4415	98	0.21	-0.17	-2.03	5.39e-05	0.0	2.18e-06
4415	105	0.20	-0.58	-1.92	4.49e-04	0.0	-2.48e-05
4415	107	0.20	-0.16	-1.96	5.14e-05	0.0	2.13e-06
4415	112	12.60	2.21	-2.67	-2.26e-04	0.0	-5.67e-04
4415	124	-0.15	7.64	-3.60	-8.56e-04	0.0	8.28e-05
4415	127	0.56	-7.97	-0.31	9.59e-04	0.0	-7.86e-05
4415	144	14.18	2.51	-2.76	-2.61e-04	0.0	-6.39e-04
4415	156	-0.21	8.62	-3.80	-9.69e-04	0.0	9.36e-05
4415	159	0.62	-8.94	-0.11	1.07e-03	0.0	-8.93e-05
4415	176	14.29	2.47	-2.75	-2.54e-04	0.0	-6.29e-04
4415	188	-0.28	8.48	-3.77	-9.51e-04	0.0	9.71e-05
4415	191	0.69	-8.81	-0.14	1.05e-03	0.0	-9.28e-05
4415	216	17.05	2.86	-2.87	-3.04e-04	0.0	-8.00e-04
4415	220	-0.41	9.89	-4.07	-1.11e-03	0.0	1.17e-04
4415	223	0.82	-10.21	0.15	1.22e-03	0.0	-1.13e-04
4416	4	0.47	1.50	-3.45	-5.74e-04	0.0	1.40e-04
4416	44	0.43	-5.06	-2.70	2.25e-03	0.0	-4.40e-04
4416	52	0.48	-0.34	-3.29	1.01e-04	0.0	5.16e-06
4416	68	0.34	0.99	-2.46	-3.79e-04	0.0	9.34e-05
4416	88	0.30	-3.39	-1.96	1.51e-03	0.0	-2.93e-04
4416	92	0.34	-0.24	-2.35	7.07e-05	0.0	3.75e-06
4416	98	0.29	-0.20	-2.05	5.81e-05	0.0	3.32e-06
4416	105	0.28	-0.83	-1.94	3.44e-04	0.0	-5.60e-05
4416	107	0.28	-0.19	-1.98	5.55e-05	0.0	3.26e-06
4416	112	13.22	2.12	-2.81	-2.04e-04	0.0	-6.03e-04
4416	124	-0.09	8.08	-3.67	-7.64e-04	0.0	1.38e-04
4416	129	7.52	-8.55	-0.50	8.61e-04	0.0	-4.63e-04
4416	144	14.87	2.41	-2.92	-2.36e-04	0.0	-6.80e-04

4416	156	-0.15	9.11	-3.89	-8.66e-04	0.0	1.56e-04
4416	161	8.47	-9.60	-0.31	9.61e-04	0.0	-5.23e-04
4416	176	14.98	2.37	-2.91	-2.30e-04	0.0	-6.68e-04
4416	188	-0.22	8.97	-3.85	-8.50e-04	0.0	1.59e-04
4416	193	8.72	-9.46	-0.35	9.46e-04	0.0	-5.25e-04
4416	216	17.85	2.75	-3.06	-2.77e-04	0.0	-8.44e-04
4416	220	-0.36	10.46	-4.16	-9.97e-04	0.0	1.90e-04
4416	225	10.41	-10.97	-0.09	1.09e-03	0.0	-6.24e-04
4417	4	0.47	1.46	-3.42	-5.49e-04	0.0	1.36e-04
4417	44	0.43	-4.94	-2.66	2.17e-03	0.0	-4.26e-04
4417	52	0.48	-0.34	-3.26	1.01e-04	0.0	5.16e-06
4417	68	0.34	0.96	-2.44	-3.63e-04	0.0	9.07e-05
4417	88	0.30	-3.30	-1.93	1.45e-03	0.0	-2.84e-04
4417	92	0.34	-0.24	-2.33	7.11e-05	0.0	3.75e-06
4417	98	0.29	-0.20	-2.03	5.85e-05	0.0	3.32e-06
4417	105	0.28	-0.81	-1.92	3.34e-04	0.0	-5.42e-05
4417	107	0.28	-0.19	-1.96	5.59e-05	0.0	3.26e-06
4417	112	13.22	2.32	-2.67	-1.83e-04	0.0	-6.03e-04
4417	124	-0.09	8.07	-3.60	-7.24e-04	0.0	1.38e-04
4417	127	0.65	-8.45	-0.31	8.36e-04	0.0	-1.31e-04
4417	144	14.87	2.63	-2.76	-2.12e-04	0.0	-6.80e-04
4417	156	-0.15	9.10	-3.80	-8.21e-04	0.0	1.55e-04
4417	159	0.71	-9.48	-0.11	9.33e-04	0.0	-1.49e-04
4417	176	14.98	2.59	-2.75	-2.07e-04	0.0	-6.68e-04
4417	188	-0.22	8.96	-3.77	-8.06e-04	0.0	1.59e-04
4417	191	0.78	-9.34	-0.14	9.18e-04	0.0	-1.53e-04
4417	216	17.85	3.01	-2.88	-2.50e-04	0.0	-8.44e-04
4417	220	-0.36	10.45	-4.07	-9.46e-04	0.0	1.90e-04
4417	223	0.92	-10.83	0.15	1.06e-03	0.0	-1.83e-04
4418	4	0.60	1.73	-3.45	-1.59e-04	0.0	2.03e-04
4418	44	0.54	-6.02	-2.70	9.02e-04	0.0	-6.56e-04
4418	52	0.61	-0.40	-3.29	1.08e-04	0.0	3.66e-06
4418	68	0.43	1.14	-2.46	-1.02e-04	0.0	1.35e-04
4418	88	0.39	-4.03	-1.96	6.06e-04	0.0	-4.37e-04
4418	92	0.43	-0.28	-2.35	7.61e-05	0.0	2.69e-06
4418	98	0.37	-0.23	-2.05	6.29e-05	0.0	2.39e-06
4418	105	0.35	-0.98	-1.94	1.68e-04	0.0	-8.56e-05
4418	107	0.35	-0.22	-1.98	6.01e-05	0.0	2.38e-06
4418	112	13.83	2.19	-2.80	-1.31e-04	0.0	-5.02e-04
4418	124	-0.03	8.43	-3.67	-5.46e-04	0.0	1.92e-04
4418	129	7.89	-8.98	-0.49	6.56e-04	0.0	-5.36e-04
4418	144	15.55	2.49	-2.90	-1.55e-04	0.0	-5.65e-04
4418	156	-0.09	9.51	-3.88	-6.21e-04	0.0	2.16e-04
4418	161	8.88	-10.07	-0.31	7.30e-04	0.0	-6.05e-04
4418	176	15.67	2.45	-2.89	-1.50e-04	0.0	-5.56e-04
4418	188	-0.16	9.37	-3.85	-6.10e-04	0.0	2.20e-04
4418	193	9.14	-9.93	-0.35	7.20e-04	0.0	-6.07e-04
4418	216	18.64	2.85	-3.04	-1.85e-04	0.0	-7.13e-04
4418	220	-0.31	10.93	-4.15	-7.18e-04	0.0	2.61e-04
4418	225	10.90	-11.51	-0.09	8.27e-04	0.0	-7.19e-04
4419	4	0.60	1.67	-3.42	-1.41e-04	0.0	1.97e-04
4419	44	0.54	-5.82	-2.66	8.38e-04	0.0	-6.37e-04
4419	52	0.61	-0.40	-3.26	1.07e-04	0.0	3.66e-06
4419	68	0.42	1.10	-2.44	-9.01e-05	0.0	1.32e-04
4419	88	0.39	-3.89	-1.93	5.63e-04	0.0	-4.25e-04
4419	92	0.43	-0.28	-2.33	7.55e-05	0.0	2.69e-06
4419	98	0.37	-0.23	-2.03	6.24e-05	0.0	2.39e-06
4419	105	0.35	-0.95	-1.92	1.59e-04	0.0	-8.31e-05
4419	107	0.35	-0.22	-1.96	5.96e-05	0.0	2.37e-06
4419	112	13.83	2.40	-2.67	-1.16e-04	0.0	-5.02e-04
4419	124	-0.03	8.41	-3.60	-5.12e-04	0.0	1.93e-04
4419	127	0.73	-8.85	-0.31	6.31e-04	0.0	-1.89e-04
4419	144	15.55	2.72	-2.76	-1.37e-04	0.0	-5.65e-04
4419	156	-0.09	9.49	-3.81	-5.83e-04	0.0	2.18e-04
4419	159	0.80	-9.93	-0.11	7.02e-04	0.0	-2.13e-04
4419	176	15.67	2.68	-2.75	-1.33e-04	0.0	-5.56e-04
4419	188	-0.16	9.34	-3.77	-5.72e-04	0.0	2.22e-04
4419	191	0.87	-9.78	-0.14	6.91e-04	0.0	-2.17e-04
4419	216	18.64	3.12	-2.88	-1.64e-04	0.0	-7.13e-04
4419	220	-0.31	10.89	-4.07	-6.74e-04	0.0	2.63e-04
4419	223	1.02	-11.34	0.16	7.93e-04	0.0	-2.58e-04
4420	4	0.72	1.71	-3.44	3.37e-04	0.0	2.63e-04
4420	44	0.65	-6.17	-2.68	-7.30e-04	0.0	-8.72e-04
4420	52	0.73	-0.46	-3.28	1.13e-04	0.0	0.0
4420	68	0.51	1.12	-2.45	2.29e-04	0.0	1.76e-04

4420	88	0.47	-4.13	-1.95	-4.82e-04	0.0	-5.81e-04
4420	92	0.52	-0.32	-2.34	7.99e-05	0.0	0.0
4420	98	0.44	-0.27	-2.04	6.63e-05	0.0	0.0
4420	105	0.43	-1.02	-1.93	-4.73e-05	0.0	-1.16e-04
4420	107	0.43	-0.25	-1.97	6.34e-05	0.0	0.0
4420	112	14.38	2.23	-2.75	-3.28e-05	0.0	-5.18e-04
4420	124	0.03	8.66	-3.64	-2.40e-04	0.0	2.35e-04
4420	129	8.22	-9.27	-0.48	3.63e-04	0.0	-5.97e-04
4420	144	16.16	2.54	-2.85	-4.47e-05	0.0	-5.84e-04
4420	156	-0.03	9.77	-3.85	-2.77e-04	0.0	2.65e-04
4420	161	9.25	-10.40	-0.29	4.01e-04	0.0	-6.73e-04
4420	176	16.28	2.50	-2.84	-4.23e-05	0.0	-5.75e-04
4420	188	-0.10	9.62	-3.82	-2.72e-04	0.0	2.69e-04
4420	193	9.51	-10.25	-0.33	3.96e-04	0.0	-6.75e-04
4420	216	19.33	2.91	-2.97	-5.77e-05	0.0	-7.35e-04
4420	220	-0.26	11.23	-4.12	-3.26e-04	0.0	3.18e-04
4420	225	11.33	-11.88	-0.07	4.50e-04	0.0	-7.98e-04
4421	4	0.71	1.62	-3.42	3.31e-04	0.0	2.33e-04
4421	44	0.65	-5.87	-2.66	-7.15e-04	0.0	-7.71e-04
4421	52	0.72	-0.46	-3.26	1.12e-04	0.0	0.0
4421	68	0.50	1.06	-2.44	2.25e-04	0.0	1.55e-04
4421	88	0.46	-3.93	-1.93	-4.72e-04	0.0	-5.14e-04
4421	92	0.51	-0.32	-2.33	7.87e-05	0.0	0.0
4421	98	0.44	-0.27	-2.03	6.52e-05	0.0	0.0
4421	105	0.42	-0.98	-1.92	-4.62e-05	0.0	-1.03e-04
4421	107	0.42	-0.25	-1.96	6.24e-05	0.0	0.0
4421	112	14.37	2.44	-2.67	-3.65e-05	0.0	-5.20e-04
4421	124	0.03	8.61	-3.60	-2.47e-04	0.0	2.26e-04
4421	127	0.81	-9.12	-0.31	3.71e-04	0.0	-2.25e-04
4421	144	16.15	2.77	-2.76	-4.88e-05	0.0	-5.85e-04
4421	156	-0.04	9.72	-3.81	-2.85e-04	0.0	2.55e-04
4421	159	0.88	-10.23	-0.11	4.10e-04	0.0	-2.54e-04
4421	176	16.27	2.73	-2.75	-4.66e-05	0.0	-5.76e-04
4421	188	-0.11	9.57	-3.77	-2.79e-04	0.0	2.58e-04
4421	191	0.95	-10.08	-0.14	4.04e-04	0.0	-2.58e-04
4421	216	19.32	3.18	-2.88	-6.18e-05	0.0	-7.36e-04
4421	220	-0.26	11.16	-4.07	-3.35e-04	0.0	3.06e-04
4421	223	1.10	-11.67	0.16	4.60e-04	0.0	-3.05e-04
4422	4	0.36	1.03	-3.39	-7.95e-04	0.0	6.17e-05
4422	44	0.32	-3.35	-2.64	2.97e-03	0.0	-1.88e-04
4422	52	0.37	-0.29	-3.23	9.58e-05	0.0	3.42e-06
4422	68	0.25	0.68	-2.41	-5.26e-04	0.0	4.13e-05
4422	88	0.23	-2.24	-1.91	1.98e-03	0.0	-1.25e-04
4422	92	0.26	-0.21	-2.31	6.73e-05	0.0	2.47e-06
4422	98	0.22	-0.17	-2.01	5.52e-05	0.0	2.16e-06
4422	105	0.21	-0.58	-1.90	4.37e-04	0.0	-2.33e-05
4422	107	0.21	-0.16	-1.94	5.27e-05	0.0	2.11e-06
4422	112	12.61	2.34	-2.55	-1.97e-04	0.0	-5.67e-04
4422	124	-0.15	7.64	-3.53	-8.13e-04	0.0	8.29e-05
4422	135	-7.00	-7.98	-0.34	9.14e-04	0.0	3.49e-04
4422	144	14.19	2.66	-2.62	-2.29e-04	0.0	-6.39e-04
4422	156	-0.21	8.61	-3.73	-9.20e-04	0.0	9.37e-05
4422	167	-7.93	-8.96	-0.14	1.02e-03	0.0	3.93e-04
4422	176	14.30	2.62	-2.61	-2.24e-04	0.0	-6.29e-04
4422	196	8.46	8.50	-3.70	-9.00e-04	0.0	-3.84e-04
4422	199	-8.05	-8.83	-0.17	1.01e-03	0.0	3.89e-04
4422	216	17.06	3.07	-2.72	-2.90e-04	0.0	-8.00e-04
4422	228	9.99	9.91	-3.99	-1.05e-03	0.0	-4.52e-04
4422	231	-9.58	-10.24	0.12	1.16e-03	0.0	4.56e-04
4423	4	0.47	1.42	-3.38	-5.24e-04	0.0	1.32e-04
4423	44	0.43	-4.81	-2.63	2.09e-03	0.0	-4.13e-04
4423	52	0.49	-0.35	-3.22	1.01e-04	0.0	5.15e-06
4423	68	0.34	0.93	-2.41	-3.45e-04	0.0	8.80e-05
4423	88	0.30	-3.22	-1.91	1.40e-03	0.0	-2.75e-04
4423	92	0.34	-0.24	-2.30	7.13e-05	0.0	3.74e-06
4423	98	0.29	-0.20	-2.00	5.87e-05	0.0	3.32e-06
4423	105	0.28	-0.79	-1.90	3.23e-04	0.0	-5.25e-05
4423	107	0.28	-0.19	-1.93	5.61e-05	0.0	3.25e-06
4423	112	13.22	2.45	-2.53	-1.77e-04	0.0	-6.03e-04
4423	124	-0.09	8.05	-3.53	-6.88e-04	0.0	1.37e-04
4423	135	-7.24	-8.44	-0.34	8.00e-04	0.0	3.76e-04
4423	144	14.87	2.78	-2.61	-2.06e-04	0.0	-6.80e-04
4423	156	-0.15	9.07	-3.72	-7.80e-04	0.0	1.55e-04
4423	167	-8.21	-9.47	-0.14	8.92e-04	0.0	4.23e-04
4423	176	14.98	2.74	-2.59	-2.01e-04	0.0	-6.68e-04

4423	196	8.89	8.96	-3.69	-7.66e-04	0.0	-4.07e-04
4423	199	-8.33	-9.34	-0.17	8.78e-04	0.0	4.14e-04
4423	216	17.85	3.21	-2.70	-2.41e-04	0.0	-8.44e-04
4423	228	10.48	10.44	-3.98	-8.99e-04	0.0	-4.77e-04
4423	231	-9.93	-10.83	0.12	1.01e-03	0.0	4.83e-04
4424	4	0.60	1.61	-3.38	-1.26e-04	0.0	1.92e-04
4424	44	0.54	-5.63	-2.63	7.85e-04	0.0	-6.20e-04
4424	52	0.61	-0.40	-3.22	1.06e-04	0.0	3.65e-06
4424	68	0.42	1.06	-2.41	-8.02e-05	0.0	1.28e-04
4424	88	0.39	-3.77	-1.91	5.27e-04	0.0	-4.13e-04
4424	92	0.43	-0.28	-2.30	7.48e-05	0.0	2.68e-06
4424	98	0.37	-0.23	-2.01	6.18e-05	0.0	2.39e-06
4424	105	0.35	-0.93	-1.90	1.51e-04	0.0	-8.07e-05
4424	107	0.35	-0.22	-1.93	5.91e-05	0.0	2.37e-06
4424	112	13.83	2.53	-2.55	-1.18e-04	0.0	-5.01e-04
4424	124	-0.03	8.36	-3.53	-4.93e-04	0.0	1.95e-04
4424	135	-7.47	-8.82	-0.34	6.14e-04	0.0	-6.06e-05
4424	144	15.55	2.88	-2.63	-1.40e-04	0.0	-5.65e-04
4424	156	-0.09	9.43	-3.73	-5.62e-04	0.0	2.20e-04
4424	167	-8.48	-9.90	-0.14	6.83e-04	0.0	-6.83e-05
4424	176	15.67	2.83	-2.62	-1.36e-04	0.0	-5.56e-04
4424	188	-0.16	9.28	-3.70	-5.52e-04	0.0	2.24e-04
4424	199	-8.61	-9.76	-0.17	6.73e-04	0.0	-6.27e-05
4424	216	18.63	3.32	-2.73	-1.67e-04	0.0	-7.13e-04
4424	228	10.97	10.86	-3.99	-6.54e-04	0.0	7.79e-05
4424	231	-10.27	-11.30	0.12	7.72e-04	0.0	-7.31e-05
4425	4	0.70	1.57	-3.40	3.27e-04	0.0	2.06e-04
4425	44	0.64	-5.70	-2.64	-7.10e-04	0.0	-6.80e-04
4425	52	0.71	-0.46	-3.23	1.10e-04	0.0	0.0
4425	68	0.50	1.03	-2.42	2.22e-04	0.0	1.37e-04
4425	88	0.46	-3.81	-1.92	-4.69e-04	0.0	-4.53e-04
4425	92	0.51	-0.32	-2.31	7.75e-05	0.0	0.0
4425	98	0.43	-0.27	-2.01	6.42e-05	0.0	0.0
4425	105	0.42	-0.96	-1.91	-4.64e-05	0.0	-9.04e-05
4425	107	0.42	-0.25	-1.94	6.14e-05	0.0	0.0
4425	112	14.36	2.58	-2.61	-4.10e-05	0.0	-5.21e-04
4425	124	0.02	8.57	-3.56	-2.51e-04	0.0	2.17e-04
4425	135	-7.68	-9.09	-0.33	3.75e-04	0.0	-6.96e-05
4425	144	16.14	2.93	-2.69	-5.38e-05	0.0	-5.87e-04
4425	156	-0.04	9.67	-3.76	-2.89e-04	0.0	2.44e-04
4425	167	-8.72	-10.20	-0.13	4.14e-04	0.0	-7.81e-05
4425	176	16.27	2.89	-2.68	-5.18e-05	0.0	-5.77e-04
4425	188	-0.12	9.51	-3.73	-2.84e-04	0.0	2.48e-04
4425	199	-8.85	-10.05	-0.16	4.09e-04	0.0	-7.15e-05
4425	216	19.32	3.39	-2.80	-6.89e-05	0.0	-7.37e-04
4425	220	-0.27	11.10	-4.02	-3.40e-04	0.0	2.94e-04
4425	231	-10.57	-11.64	0.14	4.65e-04	0.0	-8.27e-05
4426	4	0.73	1.36	-3.43	7.41e-04	0.0	1.69e-04
4426	44	0.66	-5.21	-2.68	-2.06e-03	0.0	-5.80e-04
4426	52	0.74	-0.52	-3.27	1.16e-04	0.0	-4.83e-06
4426	68	0.52	0.89	-2.45	4.98e-04	0.0	1.12e-04
4426	88	0.48	-3.49	-1.95	-1.37e-03	0.0	-3.87e-04
4426	92	0.53	-0.36	-2.34	8.21e-05	0.0	-3.44e-06
4426	98	0.45	-0.30	-2.04	6.82e-05	0.0	-3.00e-06
4426	105	0.43	-0.92	-1.93	-2.23e-04	0.0	-7.96e-05
4426	107	0.43	-0.29	-1.97	6.53e-05	0.0	-2.87e-06
4426	112	14.41	2.22	-2.73	3.22e-05	0.0	-5.23e-04
4426	124	0.04	8.67	-3.63	1.41e-05	0.0	1.74e-04
4426	129	8.24	-9.35	-0.47	1.08e-04	0.0	-5.40e-04
4426	144	16.20	2.53	-2.82	2.80e-05	0.0	-5.89e-04
4426	156	-0.02	9.79	-3.84	7.74e-06	0.0	1.97e-04
4426	161	9.27	-10.48	-0.29	1.14e-04	0.0	-6.08e-04
4426	176	16.32	2.49	-2.81	2.87e-05	0.0	-5.79e-04
4426	188	-0.10	9.64	-3.81	8.45e-06	0.0	2.01e-04
4426	193	9.53	-10.33	-0.32	1.14e-04	0.0	-6.10e-04
4426	216	19.37	2.90	-2.94	2.58e-05	0.0	-7.43e-04
4426	220	-0.25	11.26	-4.11	0.0	0.0	2.40e-04
4426	225	11.36	-11.97	-0.06	1.22e-04	0.0	-7.22e-04
4427	4	0.72	1.32	-3.42	7.10e-04	0.0	1.78e-04
4427	44	0.66	-5.06	-2.66	-1.97e-03	0.0	-6.09e-04
4427	52	0.74	-0.51	-3.26	1.14e-04	0.0	-4.69e-06
4427	68	0.52	0.86	-2.44	4.78e-04	0.0	1.18e-04
4427	88	0.47	-3.39	-1.93	-1.31e-03	0.0	-4.06e-04
4427	92	0.52	-0.36	-2.33	8.05e-05	0.0	-3.34e-06
4427	98	0.45	-0.30	-2.03	6.67e-05	0.0	-2.92e-06

4427	105	0.43	-0.90	-1.92	-2.12e-04	0.0	-8.35e-05
4427	107	0.43	-0.29	-1.96	6.39e-05	0.0	-2.79e-06
4427	112	14.41	2.43	-2.68	2.60e-05	0.0	-5.23e-04
4427	124	0.04	8.66	-3.60	-2.54e-05	0.0	1.78e-04
4427	127	0.82	-9.23	-0.31	1.53e-04	0.0	-1.83e-04
4427	144	16.19	2.77	-2.77	2.13e-05	0.0	-5.89e-04
4427	156	-0.03	9.77	-3.81	-3.66e-05	0.0	2.01e-04
4427	159	0.89	-10.35	-0.11	1.64e-04	0.0	-2.07e-04
4427	176	16.31	2.72	-2.76	2.20e-05	0.0	-5.79e-04
4427	188	-0.10	9.62	-3.78	-3.53e-05	0.0	2.05e-04
4427	191	0.96	-10.19	-0.14	1.63e-04	0.0	-2.11e-04
4427	216	19.36	3.18	-2.88	1.75e-05	0.0	-7.42e-04
4427	220	-0.25	11.23	-4.07	-5.16e-05	0.0	2.44e-04
4427	223	1.11	-11.80	0.16	1.79e-04	0.0	-2.50e-04
4428	4	0.73	0.88	-3.43	9.68e-04	0.0	8.10e-05
4428	44	0.66	-3.81	-2.68	-2.81e-03	0.0	-3.09e-04
4428	52	0.75	-0.58	-3.27	1.18e-04	0.0	-1.02e-05
4428	68	0.52	0.57	-2.45	6.50e-04	0.0	5.35e-05
4428	88	0.48	-2.56	-1.94	-1.87e-03	0.0	-2.07e-04
4428	92	0.53	-0.40	-2.34	8.30e-05	0.0	-7.34e-06
4428	98	0.45	-0.34	-2.04	6.89e-05	0.0	-6.42e-06
4428	105	0.43	-0.76	-1.93	-3.23e-04	0.0	-4.62e-05
4428	107	0.43	-0.32	-1.96	6.60e-05	0.0	-6.22e-06
4428	112	14.44	2.19	-2.71	6.65e-05	0.0	-6.46e-04
4428	124	0.04	8.61	-3.63	1.51e-04	0.0	1.09e-04
4428	129	8.25	-9.35	-0.47	-3.07e-05	0.0	-4.72e-04
4428	144	16.23	2.50	-2.81	6.65e-05	0.0	-7.27e-04
4428	156	-0.02	9.72	-3.83	1.61e-04	0.0	1.24e-04
4428	161	9.28	-10.47	-0.28	-4.26e-05	0.0	-5.32e-04
4428	176	16.35	2.46	-2.80	6.63e-05	0.0	-7.14e-04
4428	188	-0.10	9.57	-3.80	1.59e-04	0.0	1.28e-04
4428	193	9.55	-10.33	-0.32	-3.96e-05	0.0	-5.34e-04
4428	216	19.39	2.87	-2.93	6.93e-05	0.0	-9.05e-04
4428	220	-0.25	11.18	-4.10	1.74e-04	0.0	1.55e-04
4428	225	11.37	-11.95	-0.05	-5.65e-05	0.0	-6.33e-04
4429	4	0.73	0.86	-3.42	9.30e-04	0.0	9.13e-05
4429	44	0.66	-3.74	-2.66	-2.70e-03	0.0	-3.43e-04
4429	52	0.74	-0.57	-3.26	1.15e-04	0.0	-9.96e-06
4429	68	0.52	0.55	-2.44	6.24e-04	0.0	6.04e-05
4429	88	0.47	-2.52	-1.93	-1.80e-03	0.0	-2.29e-04
4429	92	0.53	-0.40	-2.33	8.10e-05	0.0	-7.17e-06
4429	98	0.45	-0.33	-2.03	6.72e-05	0.0	-6.27e-06
4429	105	0.43	-0.75	-1.92	-3.09e-04	0.0	-5.06e-05
4429	107	0.43	-0.32	-1.96	6.43e-05	0.0	-6.07e-06
4429	112	14.44	2.40	-2.68	6.39e-05	0.0	-6.46e-04
4429	124	0.04	8.61	-3.60	1.07e-04	0.0	1.09e-04
4429	127	0.82	-9.25	-0.31	2.17e-05	0.0	-1.21e-04
4429	144	16.22	2.74	-2.77	6.38e-05	0.0	-7.27e-04
4429	156	-0.02	9.73	-3.81	1.12e-04	0.0	1.24e-04
4429	159	0.89	-10.36	-0.11	1.65e-05	0.0	-1.36e-04
4429	176	16.35	2.69	-2.76	6.35e-05	0.0	-7.14e-04
4429	188	-0.10	9.58	-3.78	1.10e-04	0.0	1.28e-04
4429	191	0.96	-10.21	-0.14	1.83e-05	0.0	-1.40e-04
4429	216	19.39	3.14	-2.89	6.54e-05	0.0	-9.05e-04
4429	220	-0.25	11.19	-4.07	1.17e-04	0.0	1.55e-04
4429	223	1.11	-11.82	0.16	1.12e-05	0.0	-1.67e-04
4430	4	0.74	0.32	-3.43	-4.01e-04	-5.60e-06	-6.23e-06
4430	44	0.66	-2.17	-2.67	-2.25e-04	-2.29e-06	-4.69e-05
4430	52	0.75	-0.64	-3.27	-3.48e-04	-4.92e-06	-1.69e-05
4430	68	0.52	0.19	-2.44	-2.88e-04	-4.11e-06	-5.09e-06
4430	88	0.48	-1.47	-1.94	-1.71e-04	-1.90e-06	-3.22e-05
4430	92	0.53	-0.45	-2.34	-2.52e-04	-3.65e-06	-1.22e-05
4430	98	0.45	-0.37	-2.04	-2.36e-04	-3.99e-06	-1.07e-05
4430	105	0.43	-0.57	-1.93	-2.16e-04	-3.58e-06	-1.46e-05
4430	107	0.43	-0.35	-1.96	-2.28e-04	-3.83e-06	-1.04e-05
4430	112	14.47	2.14	-2.71	-4.26e-04	-9.24e-05	-6.31e-04
4430	124	0.04	8.49	-3.62	-7.89e-04	6.06e-06	5.50e-05
4430	129	8.26	-9.29	-0.46	3.12e-04	-6.11e-05	-4.16e-04
4430	144	16.26	2.46	-2.80	-4.51e-04	-1.04e-04	-7.09e-04
4430	156	-0.02	9.60	-3.83	-8.59e-04	7.32e-06	6.38e-05
4430	161	9.29	-10.41	-0.28	3.80e-04	-6.83e-05	-4.68e-04
4430	176	16.38	2.42	-2.79	-4.48e-04	-1.00e-04	-6.98e-04
4430	188	-0.10	9.45	-3.80	-8.49e-04	7.18e-06	6.66e-05
4430	193	9.56	-10.26	-0.31	3.69e-04	-6.69e-05	-4.70e-04
4430	216	19.41	2.82	-2.92	-4.80e-04	-1.26e-04	-8.92e-04

4430	220	-0.25	11.05	-4.10	-9.49e-04	9.39e-06	8.35e-05
4430	225	11.38	-11.88	-0.05	4.65e-04	-7.80e-05	-5.57e-04
4431	4	0.74	0.33	-3.42	-4.02e-04	1.74e-05	-1.43e-05
4431	44	0.67	-2.16	-2.67	-2.26e-04	2.00e-05	-1.49e-05
4431	52	0.75	-0.63	-3.26	-3.48e-04	1.80e-05	-1.57e-05
4431	68	0.52	0.20	-2.44	-2.89e-04	1.34e-05	-1.04e-05
4431	88	0.48	-1.47	-1.94	-1.71e-04	1.51e-05	-1.08e-05
4431	92	0.53	-0.44	-2.33	-2.53e-04	1.38e-05	-1.13e-05
4431	98	0.45	-0.37	-2.03	-2.36e-04	1.31e-05	-9.92e-06
4431	105	0.43	-0.56	-1.92	-2.17e-04	1.34e-05	-9.70e-06
4431	107	0.43	-0.35	-1.96	-2.29e-04	1.32e-05	-9.64e-06
4431	112	14.47	2.35	-2.68	-4.32e-04	7.59e-05	-6.30e-04
4431	124	0.04	8.53	-3.60	-7.89e-04	6.82e-05	5.00e-05
4431	127	0.83	-9.23	-0.31	3.31e-04	-4.19e-05	-6.93e-05
4431	144	16.26	2.69	-2.77	-4.57e-04	8.37e-05	-7.09e-04
4431	156	-0.02	9.64	-3.81	-8.58e-04	7.51e-05	5.81e-05
4431	159	0.89	-10.34	-0.11	4.01e-04	-4.88e-05	-7.74e-05
4431	176	16.38	2.65	-2.76	-4.54e-04	8.07e-05	-6.98e-04
4431	188	-0.10	9.49	-3.78	-8.48e-04	7.31e-05	6.05e-05
4431	191	0.96	-10.19	-0.14	3.91e-04	-4.68e-05	-7.98e-05
4431	216	19.41	3.10	-2.89	-4.90e-04	-1.04e-04	-8.92e-04
4431	220	-0.25	11.09	-4.07	-9.48e-04	8.28e-05	7.61e-05
4431	223	1.12	-11.79	0.16	4.91e-04	-5.65e-05	-9.54e-05
4432	4	0.72	1.25	-3.40	6.86e-04	0.0	1.88e-04
4432	44	0.65	-4.84	-2.65	-1.90e-03	0.0	-6.40e-04
4432	52	0.73	-0.51	-3.24	1.12e-04	0.0	-4.57e-06
4432	68	0.51	0.82	-2.42	4.62e-04	0.0	1.25e-04
4432	88	0.47	-3.25	-1.92	-1.26e-03	0.0	-4.27e-04
4432	92	0.52	-0.36	-2.32	7.90e-05	0.0	-3.26e-06
4432	98	0.44	-0.30	-2.02	6.55e-05	0.0	-2.84e-06
4432	105	0.42	-0.87	-1.91	-2.04e-04	0.0	-8.76e-05
4432	107	0.42	-0.28	-1.94	6.26e-05	0.0	-2.71e-06
4432	112	14.40	2.57	-2.63	2.24e-05	0.0	-5.23e-04
4432	124	0.03	8.61	-3.57	-5.28e-05	0.0	1.82e-04
4432	135	-7.68	-9.20	-0.33	1.78e-04	0.0	-6.18e-05
4432	144	16.18	2.93	-2.72	1.73e-05	0.0	-5.88e-04
4432	156	-0.03	9.73	-3.77	-6.73e-05	0.0	2.05e-04
4432	167	-8.73	-10.32	-0.13	1.92e-04	0.0	-6.91e-05
4432	176	16.31	2.89	-2.71	1.82e-05	0.0	-5.79e-04
4432	188	-0.11	9.57	-3.74	-6.55e-05	0.0	2.09e-04
4432	199	-8.86	-10.17	-0.15	1.91e-04	0.0	-6.42e-05
4432	216	19.36	3.39	-2.83	1.17e-05	0.0	-7.42e-04
4432	220	-0.26	11.17	-4.03	-8.65e-05	0.0	2.49e-04
4432	231	-10.59	-11.78	0.14	2.12e-04	0.0	-7.46e-05
4433	4	0.73	0.83	-3.40	8.90e-04	0.0	1.01e-04
4433	44	0.66	-3.61	-2.65	-2.58e-03	0.0	-3.75e-04
4433	52	0.74	-0.57	-3.24	1.13e-04	0.0	-9.74e-06
4433	68	0.52	0.53	-2.43	5.98e-04	0.0	6.71e-05
4433	88	0.47	-2.43	-1.92	-1.71e-03	0.0	-2.51e-04
4433	92	0.53	-0.40	-2.32	7.96e-05	0.0	-7.02e-06
4433	98	0.45	-0.33	-2.02	6.60e-05	0.0	-6.14e-06
4433	105	0.43	-0.73	-1.91	-2.94e-04	0.0	-5.48e-05
4433	107	0.43	-0.32	-1.95	6.31e-05	0.0	-5.94e-06
4433	112	14.44	2.55	-2.65	5.34e-05	0.0	-6.46e-04
4433	124	0.04	8.60	-3.58	4.63e-05	0.0	1.10e-04
4433	135	-7.69	-9.25	-0.33	7.99e-05	0.0	3.85e-04
4433	144	16.22	2.91	-2.74	5.22e-05	0.0	-7.27e-04
4433	156	-0.03	9.71	-3.78	4.42e-05	0.0	1.25e-04
4433	167	-8.74	-10.37	-0.12	8.19e-05	0.0	4.35e-04
4433	176	16.35	2.86	-2.73	5.29e-05	0.0	-7.14e-04
4433	188	-0.10	9.56	-3.75	4.53e-05	0.0	1.29e-04
4433	199	-8.87	-10.22	-0.15	8.11e-05	0.0	4.27e-04
4433	216	19.38	3.37	-2.86	5.18e-05	0.0	-9.05e-04
4433	220	-0.25	11.16	-4.04	4.25e-05	0.0	1.56e-04
4433	231	-10.60	-11.83	0.14	8.41e-05	0.0	5.01e-04
4434	4	0.74	0.33	-3.41	-4.03e-04	3.52e-05	-2.21e-05
4434	44	0.67	-2.16	-2.65	-2.26e-04	3.74e-05	1.47e-05
4434	52	0.75	-0.63	-3.24	-3.49e-04	3.57e-05	-1.48e-05
4434	68	0.53	0.20	-2.43	-2.89e-04	2.70e-05	-1.56e-05
4434	88	0.48	-1.46	-1.92	-1.72e-04	2.85e-05	9.00e-06
4434	92	0.53	-0.44	-2.32	-2.53e-04	2.73e-05	-1.07e-05
4434	98	0.45	-0.36	-2.02	-2.37e-04	2.69e-05	-9.39e-06
4434	105	0.43	-0.56	-1.91	-2.17e-04	2.72e-05	-5.34e-06
4434	107	0.44	-0.35	-1.95	-2.29e-04	2.69e-05	-9.12e-06
4434	112	14.47	2.51	-2.66	-4.38e-04	-8.06e-05	-6.32e-04

4434	124	0.04	8.55	-3.58	-7.88e-04	3.79e-05	4.60e-05
4434	135	-7.70	-9.26	-0.33	3.27e-04	9.66e-05	3.87e-04
4434	144	16.26	2.87	-2.75	-4.64e-04	-9.42e-05	-7.11e-04
4434	156	-0.02	9.66	-3.79	-8.58e-04	3.94e-05	5.35e-05
4434	167	-8.75	-10.37	-0.12	3.96e-04	1.05e-04	4.38e-04
4434	176	16.38	2.82	-2.73	-4.61e-04	-9.18e-05	-7.00e-04
4434	188	-0.09	9.51	-3.75	-8.47e-04	3.95e-05	5.55e-05
4434	199	-8.89	-10.23	-0.15	3.87e-04	1.04e-04	4.35e-04
4434	216	19.41	3.33	-2.87	-5.00e-04	-1.26e-04	-8.94e-04
4434	220	-0.25	11.11	-4.05	-9.48e-04	4.22e-05	7.00e-05
4434	231	-10.62	-11.84	0.14	4.88e-04	1.18e-04	5.13e-04
4435	4	0.40	0.64	-3.16	-1.28e-04	0.0	7.89e-05
4435	44	0.36	-1.96	-2.40	7.23e-04	0.0	-3.14e-04
4435	52	0.41	-0.27	-2.99	9.02e-05	0.0	-1.27e-05
4435	68	0.28	0.41	-2.24	-8.15e-05	0.0	5.17e-05
4435	88	0.26	-1.32	-1.73	4.85e-04	0.0	-2.10e-04
4435	92	0.29	-0.19	-2.13	6.38e-05	0.0	-9.37e-06
4435	98	0.24	-0.16	-1.83	5.29e-05	0.0	-8.46e-06
4435	105	0.23	-0.38	-1.72	1.36e-04	0.0	-4.86e-05
4435	107	0.23	-0.15	-1.75	5.07e-05	0.0	-8.31e-06
4435	112	12.81	3.54	-3.02	-7.02e-05	0.0	-5.58e-04
4435	132	7.54	8.04	-3.57	-5.27e-04	0.0	-3.42e-04
4435	139	-6.91	-8.35	0.06	6.64e-04	0.0	3.30e-04
4435	144	14.41	4.00	-3.18	-8.53e-05	0.0	-6.28e-04
4435	164	8.49	9.06	-3.80	-5.99e-04	0.0	-3.85e-04
4435	171	-7.85	-9.38	0.29	7.41e-04	0.0	3.74e-04
4435	176	14.52	3.95	-3.17	-8.62e-05	0.0	-6.20e-04
4435	200	8.56	8.98	-3.79	-6.29e-04	0.0	-3.91e-04
4435	203	-8.09	-9.28	0.28	7.30e-04	0.0	3.75e-04
4435	216	17.32	4.79	-3.47	-2.59e-04	0.0	-7.84e-04
4435	232	10.22	10.49	-4.14	-7.40e-04	0.0	-4.64e-04
4435	235	-9.75	-10.80	0.63	8.41e-04	0.0	4.47e-04
4436	4	0.40	0.61	-3.10	-7.77e-05	0.0	7.64e-05
4436	44	0.36	-1.83	-2.35	5.44e-04	0.0	-3.02e-04
4436	52	0.41	-0.27	-2.94	8.76e-05	0.0	-1.20e-05
4436	68	0.28	0.39	-2.19	-4.84e-05	0.0	5.01e-05
4436	88	0.26	-1.23	-1.69	3.66e-04	0.0	-2.02e-04
4436	92	0.29	-0.19	-2.09	6.18e-05	0.0	-8.84e-06
4436	98	0.24	-0.16	-1.79	5.11e-05	0.0	-8.01e-06
4436	105	0.23	-0.36	-1.68	1.11e-04	0.0	-4.67e-05
4436	107	0.23	-0.15	-1.72	4.89e-05	0.0	-7.88e-06
4436	112	12.81	3.74	-2.79	-5.25e-05	0.0	-5.54e-04
4436	136	7.38	8.12	-3.49	-5.32e-04	0.0	-3.44e-04
4436	139	-6.91	-8.42	0.05	6.30e-04	0.0	3.29e-04
4436	144	14.41	4.23	-2.92	-6.52e-05	0.0	-6.23e-04
4436	168	8.32	9.16	-3.71	-6.05e-04	0.0	-3.88e-04
4436	171	-7.85	-9.46	0.28	7.03e-04	0.0	3.72e-04
4436	176	14.52	4.18	-2.91	-6.62e-05	0.0	-6.15e-04
4436	200	8.56	9.07	-3.69	-5.95e-04	0.0	-3.89e-04
4436	203	-8.09	-9.36	0.26	6.93e-04	0.0	3.73e-04
4436	216	17.32	5.08	-3.18	-2.62e-04	0.0	-7.78e-04
4436	232	10.23	10.60	-4.03	-7.01e-04	0.0	-4.61e-04
4436	235	-9.76	-10.90	0.60	7.99e-04	0.0	4.45e-04
4437	4	0.48	0.69	-3.16	-6.29e-05	0.0	1.47e-04
4437	28	0.50	-1.55	-2.84	3.82e-04	0.0	-3.27e-04
4437	44	0.45	-2.32	-2.40	5.57e-04	0.0	-5.37e-04
4437	68	0.34	0.45	-2.24	-3.79e-05	0.0	9.67e-05
4437	80	0.35	-1.04	-2.02	2.59e-04	0.0	-2.19e-04
4437	88	0.32	-1.56	-1.73	3.76e-04	0.0	-3.59e-04
4437	98	0.30	-0.19	-1.83	6.01e-05	0.0	-8.26e-06
4437	105	0.29	-0.45	-1.72	1.20e-04	0.0	-7.82e-05
4437	107	0.28	-0.18	-1.76	5.76e-05	0.0	-8.24e-06
4437	112	13.33	3.62	-3.00	-6.11e-05	0.0	-5.83e-04
4437	132	7.87	8.32	-3.57	-4.86e-04	0.0	-3.60e-04
4437	139	-7.12	-8.69	0.05	6.01e-04	0.0	3.47e-04
4437	144	15.00	4.09	-3.16	-7.59e-05	0.0	-6.56e-04
4437	164	8.84	9.38	-3.80	-5.54e-04	0.0	-4.04e-04
4437	171	-8.10	-9.76	0.28	6.69e-04	0.0	3.93e-04
4437	176	15.11	4.04	-3.15	-7.70e-05	0.0	-6.47e-04
4437	200	8.91	9.30	-3.79	-5.46e-04	0.0	-4.08e-04
4437	203	-8.35	-9.66	0.28	6.61e-04	0.0	3.91e-04
4437	216	18.00	4.91	-3.45	-9.97e-05	0.0	-8.13e-04
4437	232	10.64	10.87	-4.14	-6.44e-04	0.0	-4.82e-04
4437	235	-10.07	-11.23	0.63	7.59e-04	0.0	4.66e-04
4438	4	0.48	0.64	-3.10	-2.81e-05	0.0	1.43e-04

4438	28	0.50	-1.42	-2.78	3.10e-04	0.0	-3.18e-04
4438	44	0.45	-2.11	-2.35	4.37e-04	0.0	-5.22e-04
4438	68	0.34	0.41	-2.19	-1.48e-05	0.0	9.44e-05
4438	80	0.35	-0.96	-1.98	2.11e-04	0.0	-2.13e-04
4438	88	0.32	-1.42	-1.69	2.96e-04	0.0	-3.49e-04
4438	98	0.30	-0.19	-1.79	5.93e-05	0.0	-7.86e-06
4438	105	0.29	-0.42	-1.68	1.03e-04	0.0	-7.60e-05
4438	107	0.28	-0.18	-1.72	5.68e-05	0.0	-7.85e-06
4438	112	13.33	3.82	-2.78	-4.66e-05	0.0	-5.80e-04
4438	136	7.69	8.39	-3.48	-4.90e-04	0.0	-3.62e-04
4438	139	-7.12	-8.74	0.05	6.03e-04	0.0	3.46e-04
4438	144	14.99	4.33	-2.91	-5.95e-05	0.0	-6.53e-04
4438	168	8.66	9.46	-3.70	-5.58e-04	0.0	-4.07e-04
4438	171	-8.09	-9.82	0.27	6.72e-04	0.0	3.91e-04
4438	176	15.11	4.27	-2.90	-6.08e-05	0.0	-6.44e-04
4438	200	8.91	9.37	-3.69	-5.48e-04	0.0	-4.06e-04
4438	203	-8.35	-9.72	0.26	6.62e-04	0.0	3.90e-04
4438	216	18.00	5.20	-3.16	-2.20e-04	0.0	-8.09e-04
4438	232	10.64	10.95	-4.03	-6.47e-04	0.0	-4.80e-04
4438	235	-10.07	-11.31	0.59	7.61e-04	0.0	4.64e-04
4439	4	0.56	0.71	-3.16	6.75e-06	0.0	1.86e-04
4439	28	0.58	-1.73	-2.84	2.59e-04	0.0	-4.17e-04
4439	44	0.53	-2.59	-2.41	3.47e-04	0.0	-6.85e-04
4439	68	0.40	0.46	-2.24	8.60e-06	0.0	1.23e-04
4439	80	0.41	-1.17	-2.02	1.77e-04	0.0	-2.80e-04
4439	88	0.38	-1.74	-1.74	2.36e-04	0.0	-4.58e-04
4439	98	0.35	-0.22	-1.83	6.29e-05	0.0	-1.10e-05
4439	105	0.34	-0.51	-1.72	9.38e-05	0.0	-1.00e-04
4439	107	0.34	-0.21	-1.76	6.01e-05	0.0	-1.09e-05
4439	112	13.82	3.68	-2.97	-4.65e-05	0.0	-4.86e-04
4439	132	8.17	8.57	-3.56	-4.33e-04	0.0	4.24e-05
4439	139	-7.31	-9.01	0.04	5.54e-04	0.0	-6.09e-05
4439	144	15.54	4.17	-3.12	-5.98e-05	0.0	-5.46e-04
4439	164	9.18	9.67	-3.79	-4.95e-04	0.0	4.91e-05
4439	171	-8.32	-10.12	0.27	6.16e-04	0.0	-6.67e-05
4439	176	15.66	4.11	-3.12	-6.08e-05	0.0	-5.40e-04
4439	200	9.25	9.58	-3.78	-4.88e-04	0.0	3.59e-05
4439	203	-8.57	-10.01	0.26	6.08e-04	0.0	-5.78e-05
4439	216	18.63	5.00	-3.41	-8.25e-05	0.0	-6.88e-04
4439	232	11.03	11.20	-4.13	-5.77e-04	0.0	3.79e-05
4439	235	-10.36	-11.63	0.61	6.97e-04	0.0	-5.98e-05
4440	4	0.56	0.64	-3.10	2.37e-05	0.0	1.80e-04
4440	28	0.58	-1.56	-2.78	2.19e-04	0.0	-4.06e-04
4440	44	0.53	-2.31	-2.35	2.83e-04	0.0	-6.66e-04
4440	68	0.40	0.41	-2.19	1.97e-05	0.0	1.19e-04
4440	80	0.41	-1.06	-1.98	1.50e-04	0.0	-2.72e-04
4440	88	0.38	-1.55	-1.69	1.93e-04	0.0	-4.45e-04
4440	98	0.35	-0.22	-1.79	6.15e-05	0.0	-1.10e-05
4440	105	0.34	-0.47	-1.68	8.41e-05	0.0	-9.77e-05
4440	107	0.34	-0.21	-1.72	5.88e-05	0.0	-1.10e-05
4440	112	13.83	3.89	-2.78	-3.46e-05	0.0	-4.87e-04
4440	136	7.98	8.63	-3.48	-4.43e-04	0.0	3.80e-05
4440	139	-7.31	-9.05	0.05	5.61e-04	0.0	-6.00e-05
4440	144	15.55	4.41	-2.91	-4.63e-05	0.0	-5.48e-04
4440	168	8.99	9.74	-3.70	-5.06e-04	0.0	4.37e-05
4440	171	-8.32	-10.16	0.27	6.23e-04	0.0	-6.57e-05
4440	176	15.66	4.35	-2.90	-4.74e-05	0.0	-5.42e-04
4440	200	9.25	9.64	-3.69	-4.97e-04	0.0	3.49e-05
4440	203	-8.58	-10.06	0.26	6.14e-04	0.0	-5.70e-05
4440	216	18.64	5.30	-3.16	-1.96e-04	0.0	-6.89e-04
4440	232	11.03	11.27	-4.02	-5.88e-04	0.0	3.68e-05
4440	235	-10.36	-11.69	0.59	7.05e-04	0.0	-5.88e-05
4441	4	0.65	0.70	-3.17	9.04e-05	0.0	2.13e-04
4441	28	0.67	-1.86	-2.84	7.66e-05	0.0	-4.89e-04
4441	44	0.60	-2.75	-2.41	4.69e-05	0.0	-8.00e-04
4441	68	0.46	0.45	-2.24	6.39e-05	0.0	1.40e-04
4441	80	0.47	-1.26	-2.03	5.46e-05	0.0	-3.28e-04
4441	88	0.43	-1.85	-1.74	3.49e-05	0.0	-5.35e-04
4441	98	0.40	-0.26	-1.83	5.90e-05	0.0	-1.51e-05
4441	105	0.39	-0.56	-1.73	5.05e-05	0.0	-1.19e-04
4441	107	0.39	-0.25	-1.76	5.63e-05	0.0	-1.50e-05
4441	112	14.29	3.74	-2.92	-1.26e-04	0.0	-5.04e-04
4441	132	8.45	8.80	-3.55	-3.83e-04	0.0	4.99e-05
4441	139	-7.49	-9.31	0.03	4.96e-04	0.0	-7.63e-05
4441	144	16.07	4.24	-3.07	-1.49e-04	0.0	-5.66e-04

4441	164	9.49	9.93	-3.77	-4.38e-04	0.0	5.79e-05
4441	171	-8.52	-10.44	0.25	5.51e-04	0.0	-8.33e-05
4441	176	16.19	4.18	-3.06	-1.45e-04	0.0	-5.61e-04
4441	200	9.56	9.84	-3.76	-4.31e-04	0.0	4.30e-05
4441	203	-8.79	-10.33	0.24	5.44e-04	0.0	-7.30e-05
4441	216	19.24	5.09	-3.34	-1.81e-04	0.0	-7.15e-04
4441	232	11.40	11.51	-4.11	-5.11e-04	0.0	4.59e-05
4441	235	-10.63	-12.00	0.58	6.24e-04	0.0	-7.59e-05
4442	4	0.65	0.61	-3.10	7.77e-05	0.0	1.92e-04
4442	28	0.67	-1.65	-2.78	9.74e-05	0.0	-4.48e-04
4442	44	0.60	-2.42	-2.35	8.28e-05	0.0	-7.32e-04
4442	68	0.46	0.39	-2.19	5.53e-05	0.0	1.26e-04
4442	80	0.47	-1.12	-1.98	6.84e-05	0.0	-3.01e-04
4442	88	0.43	-1.63	-1.69	5.87e-05	0.0	-4.90e-04
4442	98	0.40	-0.25	-1.79	5.81e-05	0.0	-1.55e-05
4442	105	0.39	-0.51	-1.68	5.46e-05	0.0	-1.10e-04
4442	107	0.39	-0.24	-1.72	5.54e-05	0.0	-1.54e-05
4442	112	14.28	3.96	-2.78	-1.17e-05	0.0	-5.11e-04
4442	136	8.26	8.85	-3.48	-3.95e-04	0.0	4.10e-05
4442	139	-7.48	-9.33	0.05	5.05e-04	0.0	-7.18e-05
4442	144	16.06	4.48	-2.91	-2.00e-05	0.0	-5.73e-04
4442	168	9.29	9.99	-3.70	-4.51e-04	0.0	4.75e-05
4442	171	-8.52	-10.47	0.27	5.62e-04	0.0	-7.83e-05
4442	176	16.18	4.42	-2.90	-2.05e-05	0.0	-5.68e-04
4442	200	9.56	9.88	-3.69	-4.44e-04	0.0	3.77e-05
4442	203	-8.78	-10.36	0.26	5.55e-04	0.0	-6.86e-05
4442	216	19.22	5.40	-3.16	-1.96e-04	0.0	-7.22e-04
4442	232	11.39	11.56	-4.02	-5.26e-04	0.0	4.01e-05
4442	235	-10.62	-12.04	0.59	6.37e-04	0.0	-7.10e-05
4443	4	0.40	0.57	-3.03	-3.15e-05	0.0	7.53e-05
4443	44	0.36	-1.71	-2.28	3.45e-04	0.0	-2.72e-04
4443	52	0.41	-0.26	-2.87	7.73e-05	0.0	-5.54e-06
4443	68	0.28	0.37	-2.14	-1.83e-05	0.0	4.96e-05
4443	88	0.26	-1.15	-1.64	2.33e-04	0.0	-1.82e-04
4443	92	0.29	-0.18	-2.03	5.42e-05	0.0	-4.30e-06
4443	98	0.24	-0.15	-1.74	4.42e-05	0.0	-4.15e-06
4443	105	0.23	-0.34	-1.63	7.92e-05	0.0	-3.96e-05
4443	107	0.23	-0.14	-1.67	4.22e-05	0.0	-4.20e-06
4443	112	12.82	3.95	-2.59	-3.55e-05	0.0	-5.32e-04
4443	136	7.38	8.20	-3.40	-5.04e-04	0.0	-3.30e-04
4443	139	-6.91	-8.49	0.07	5.88e-04	0.0	3.22e-04
4443	144	14.42	4.46	-2.70	-4.52e-05	0.0	-5.99e-04
4443	168	8.32	9.25	-3.62	-5.72e-04	0.0	-3.72e-04
4443	171	-7.85	-9.54	0.28	6.56e-04	0.0	3.64e-04
4443	176	14.53	4.41	-2.69	-4.63e-05	0.0	-5.90e-04
4443	200	8.56	9.16	-3.60	-5.63e-04	0.0	-3.72e-04
4443	203	-8.10	-9.45	0.27	6.48e-04	0.0	3.64e-04
4443	216	17.33	5.37	-2.91	-2.70e-04	0.0	-7.48e-04
4443	232	10.23	10.71	-3.93	-6.63e-04	0.0	-4.42e-04
4443	235	-9.76	-11.00	0.59	7.47e-04	0.0	4.33e-04
4444	4	0.48	0.58	-3.03	8.95e-06	0.0	1.33e-04
4444	28	0.50	-1.28	-2.71	2.28e-04	0.0	-2.89e-04
4444	44	0.45	-1.89	-2.28	3.02e-04	0.0	-4.76e-04
4444	68	0.34	0.37	-2.14	9.61e-06	0.0	8.79e-05
4444	80	0.35	-0.87	-1.93	1.56e-04	0.0	-1.93e-04
4444	88	0.32	-1.27	-1.64	2.05e-04	0.0	-3.18e-04
4444	98	0.30	-0.18	-1.74	5.74e-05	0.0	-5.99e-06
4444	105	0.29	-0.39	-1.63	8.35e-05	0.0	-6.84e-05
4444	107	0.28	-0.17	-1.67	5.48e-05	0.0	-6.06e-06
4444	112	13.33	4.03	-2.59	-2.68e-05	0.0	-5.69e-04
4444	136	7.69	8.45	-3.40	-4.63e-04	0.0	-3.53e-04
4444	139	-7.12	-8.79	0.07	5.73e-04	0.0	3.41e-04
4444	144	14.99	4.56	-2.70	-3.69e-05	0.0	-6.40e-04
4444	168	8.66	9.53	-3.62	-5.28e-04	0.0	-3.97e-04
4444	171	-8.09	-9.88	0.28	6.37e-04	0.0	3.85e-04
4444	176	15.11	4.50	-2.69	-3.83e-05	0.0	-6.31e-04
4444	200	8.91	9.43	-3.60	-5.19e-04	0.0	-3.96e-04
4444	203	-8.34	-9.78	0.26	6.29e-04	0.0	3.84e-04
4444	216	18.00	5.50	-2.91	-2.29e-04	0.0	-7.93e-04
4444	232	10.64	11.04	-3.92	-6.14e-04	0.0	-4.69e-04
4444	235	-10.07	-11.39	0.59	7.23e-04	0.0	4.57e-04
4445	4	0.56	0.56	-3.03	3.77e-05	0.0	1.60e-04
4445	28	0.58	-1.40	-2.70	1.83e-04	0.0	-3.70e-04
4445	44	0.53	-2.03	-2.28	2.24e-04	0.0	-6.05e-04
4445	68	0.40	0.36	-2.14	2.88e-05	0.0	1.05e-04

4445	80	0.41	-0.94	-1.92	1.26e-04	0.0	-2.48e-04
4445	88	0.38	-1.37	-1.64	1.53e-04	0.0	-4.05e-04
4445	98	0.35	-0.22	-1.74	5.95e-05	0.0	-1.18e-05
4445	105	0.34	-0.43	-1.63	7.46e-05	0.0	-9.02e-05
4445	107	0.34	-0.21	-1.67	5.68e-05	0.0	-1.18e-05
4445	112	13.83	4.10	-2.59	-1.99e-05	0.0	-4.94e-04
4445	136	7.98	8.68	-3.40	-4.34e-04	0.0	3.28e-05
4445	139	-7.31	-9.09	0.06	5.48e-04	0.0	-5.63e-05
4445	144	15.55	4.64	-2.70	-2.95e-05	0.0	-5.55e-04
4445	168	8.99	9.79	-3.62	-4.95e-04	0.0	3.79e-05
4445	171	-8.32	-10.20	0.28	6.09e-04	0.0	-6.15e-05
4445	176	15.67	4.58	-2.69	-3.08e-05	0.0	-5.49e-04
4445	200	9.25	9.69	-3.60	-4.87e-04	0.0	2.99e-05
4445	203	-8.58	-10.10	0.26	6.01e-04	0.0	-5.35e-05
4445	216	18.64	5.60	-2.91	-2.12e-04	0.0	-6.96e-04
4445	232	11.03	11.35	-3.92	-5.77e-04	0.0	3.16e-05
4445	235	-10.36	-11.76	0.59	6.90e-04	0.0	-5.51e-05
4446	4	0.65	0.53	-3.03	6.17e-05	0.0	1.55e-04
4446	28	0.67	-1.48	-2.71	1.23e-04	0.0	-3.93e-04
4446	44	0.60	-2.13	-2.28	1.26e-04	0.0	-6.35e-04
4446	68	0.47	0.34	-2.14	4.45e-05	0.0	1.01e-04
4446	80	0.48	-1.00	-1.93	8.51e-05	0.0	-2.64e-04
4446	88	0.43	-1.43	-1.64	8.77e-05	0.0	-4.26e-04
4446	98	0.40	-0.25	-1.74	5.66e-05	0.0	-1.95e-05
4446	105	0.39	-0.47	-1.63	5.92e-05	0.0	-1.00e-04
4446	107	0.39	-0.24	-1.67	5.39e-05	0.0	-1.94e-05
4446	112	14.28	4.17	-2.59	-6.56e-06	0.0	-5.39e-04
4446	136	8.26	8.89	-3.40	-4.11e-04	0.0	2.77e-05
4446	139	-7.48	-9.36	0.06	5.19e-04	0.0	-6.64e-05
4446	144	16.05	4.73	-2.70	-1.41e-05	0.0	-6.05e-04
4446	168	9.29	10.04	-3.61	-4.69e-04	0.0	3.31e-05
4446	171	-8.51	-10.51	0.28	5.77e-04	0.0	-7.18e-05
4446	176	16.18	4.66	-2.69	-1.50e-05	0.0	-5.99e-04
4446	200	9.56	9.94	-3.59	-4.62e-04	0.0	2.48e-05
4446	203	-8.78	-10.41	0.26	5.70e-04	0.0	-6.35e-05
4446	216	19.22	5.71	-2.91	-2.17e-04	0.0	-7.58e-04
4446	232	11.39	11.63	-3.92	-5.48e-04	0.0	2.65e-05
4446	235	-10.62	-12.11	0.58	6.55e-04	0.0	-6.52e-05
4447	4	0.40	0.54	-2.94	-6.56e-05	1.52e-04	6.47e-05
4447	44	0.36	-1.59	-2.20	1.17e-04	1.19e-04	-1.97e-04
4447	52	0.41	-0.27	-2.78	-2.87e-06	1.47e-04	3.79e-06
4447	68	0.28	0.35	-2.08	-4.56e-05	1.10e-04	4.27e-05
4447	88	0.26	-1.07	-1.58	7.62e-05	8.81e-05	-1.32e-04
4447	92	0.29	-0.19	-1.97	-3.71e-06	1.07e-04	2.11e-06
4447	98	0.24	-0.15	-1.68	-7.55e-06	9.40e-05	0.0
4447	105	0.23	-0.33	-1.57	8.22e-06	8.93e-05	-2.60e-05
4447	107	0.23	-0.15	-1.61	-8.11e-06	9.15e-05	0.0
4447	112	12.82	4.14	-1.79	-7.00e-05	8.44e-04	-4.81e-04
4447	136	7.38	8.27	-3.31	-5.38e-04	5.07e-04	-3.00e-04
4447	139	-6.92	-8.56	0.09	5.22e-04	-3.24e-04	3.01e-04
4447	144	14.42	4.68	-1.82	-7.77e-05	9.40e-04	-5.42e-04
4447	168	8.32	9.32	-3.52	-6.05e-04	5.62e-04	-3.39e-04
4447	171	-7.86	-9.62	0.30	5.88e-04	-3.79e-04	3.40e-04
4447	176	14.53	4.62	-1.82	-7.93e-05	9.44e-04	-5.32e-04
4447	200	8.57	9.24	-3.49	-5.97e-04	5.75e-04	-3.38e-04
4447	203	-8.10	-9.53	0.28	5.80e-04	-3.92e-04	3.39e-04
4447	216	17.33	5.65	-2.64	-3.25e-04	1.09e-03	-6.76e-04
4447	232	10.23	10.81	-3.80	-6.94e-04	6.73e-04	-4.01e-04
4447	235	-9.76	-11.10	0.59	6.78e-04	-4.90e-04	4.03e-04
4448	4	0.48	0.52	-2.93	1.75e-05	1.59e-04	1.01e-04
4448	28	0.50	-1.16	-2.61	1.45e-04	1.52e-04	-2.18e-04
4448	44	0.45	-1.69	-2.19	1.81e-04	1.35e-04	-3.61e-04
4448	68	0.34	0.33	-2.07	1.40e-05	1.14e-04	6.66e-05
4448	80	0.35	-0.79	-1.85	9.91e-05	1.10e-04	-1.46e-04
4448	88	0.32	-1.14	-1.57	1.23e-04	9.81e-05	-2.41e-04
4448	98	0.30	-0.18	-1.67	4.32e-05	9.77e-05	-4.87e-06
4448	105	0.29	-0.36	-1.57	5.61e-05	9.36e-05	-5.22e-05
4448	107	0.28	-0.17	-1.60	4.10e-05	9.46e-05	-5.05e-06
4448	112	13.33	4.23	-1.78	-1.77e-05	9.33e-04	-5.48e-04
4448	136	7.69	8.50	-3.29	-4.63e-04	5.57e-04	-3.38e-04
4448	139	-7.12	-8.85	0.09	5.45e-04	-3.67e-04	3.28e-04
4448	144	14.99	4.79	-1.81	-2.50e-05	1.04e-03	-6.17e-04
4448	168	8.66	9.59	-3.50	-5.26e-04	6.17e-04	-3.81e-04
4448	171	-8.09	-9.94	0.30	6.08e-04	-4.28e-04	3.71e-04
4448	176	15.11	4.72	-1.81	-2.63e-05	1.04e-03	-6.08e-04

4448	200	8.91	9.50	-3.48	-5.18e-04	6.33e-04	-3.80e-04
4448	203	-8.34	-9.85	0.27	6.00e-04	-4.43e-04	3.70e-04
4448	216	18.00	5.78	-2.63	-2.62e-04	1.20e-03	-7.61e-04
4448	232	10.64	11.12	-3.79	-6.11e-04	7.41e-04	-4.50e-04
4448	235	-10.07	-11.47	0.58	6.93e-04	-5.52e-04	4.40e-04
4449	4	0.56	0.49	-2.93	3.93e-05	1.54e-04	1.12e-04
4449	28	0.58	-1.24	-2.61	1.52e-04	1.49e-04	-2.86e-04
4449	44	0.53	-1.78	-2.19	1.79e-04	1.31e-04	-4.62e-04
4449	68	0.40	0.32	-2.07	2.93e-05	1.10e-04	7.30e-05
4449	80	0.42	-0.84	-1.85	1.04e-04	1.07e-04	-1.92e-04
4449	88	0.38	-1.20	-1.57	1.23e-04	9.50e-05	-3.10e-04
4449	98	0.35	-0.21	-1.67	5.35e-05	9.46e-05	-1.46e-05
4449	105	0.34	-0.40	-1.57	6.39e-05	9.04e-05	-7.33e-05
4449	107	0.34	-0.20	-1.60	5.09e-05	9.13e-05	-1.45e-05
4449	112	13.83	4.32	-2.38	-1.72e-04	8.61e-04	-6.30e-04
4449	136	7.98	8.73	-3.28	-4.40e-04	5.12e-04	-3.89e-04
4449	139	-7.31	-9.13	0.08	5.42e-04	-3.30e-04	3.60e-04
4449	144	15.55	4.89	-2.48	-2.00e-04	9.59e-04	-7.08e-04
4449	168	8.99	9.85	-3.49	-5.02e-04	5.68e-04	-4.38e-04
4449	171	-8.32	-10.26	0.29	6.04e-04	-3.85e-04	4.09e-04
4449	176	15.67	4.83	-2.46	-1.94e-04	9.62e-04	-7.00e-04
4449	200	9.25	9.76	-3.47	-4.95e-04	5.82e-04	-4.38e-04
4449	203	-8.58	-10.16	0.27	5.96e-04	-3.99e-04	4.09e-04
4449	216	18.64	5.91	-2.64	-2.46e-04	1.10e-03	-8.70e-04
4449	232	11.03	11.43	-3.78	-5.85e-04	6.81e-04	-5.17e-04
4449	235	-10.36	-11.83	0.58	6.87e-04	-4.98e-04	4.88e-04
4450	4	0.66	0.47	-2.93	4.73e-05	1.18e-04	8.76e-05
4450	28	0.67	-1.32	-2.61	1.41e-04	1.17e-04	-3.09e-04
4450	44	0.60	-1.88	-2.20	1.59e-04	1.04e-04	-4.83e-04
4450	68	0.47	0.30	-2.07	3.47e-05	8.36e-05	5.48e-05
4450	80	0.48	-0.90	-1.86	9.70e-05	8.31e-05	-2.10e-04
4450	88	0.43	-1.26	-1.58	1.09e-04	7.45e-05	-3.26e-04
4450	98	0.41	-0.24	-1.68	5.42e-05	7.17e-05	-3.14e-05
4450	105	0.39	-0.43	-1.57	6.18e-05	6.87e-05	-8.97e-05
4450	107	0.39	-0.23	-1.61	5.16e-05	6.89e-05	-3.11e-05
4450	112	14.29	4.41	-2.40	-1.67e-04	5.32e-04	-7.56e-04
4450	136	8.26	8.96	-3.29	-4.27e-04	3.19e-04	-4.68e-04
4450	139	-7.48	-9.42	0.07	5.31e-04	-1.81e-04	4.06e-04
4450	144	16.06	4.99	-2.50	-1.94e-04	5.91e-04	-8.48e-04
4450	168	9.30	10.11	-3.50	-4.87e-04	3.52e-04	-5.25e-04
4450	171	-8.51	-10.57	0.28	5.90e-04	-2.14e-04	4.62e-04
4450	176	16.18	4.93	-2.48	-1.89e-04	5.93e-04	-8.41e-04
4450	200	9.56	10.02	-3.47	-4.80e-04	3.59e-04	-5.28e-04
4450	203	-8.78	-10.47	0.26	5.83e-04	-2.22e-04	4.65e-04
4450	216	19.23	6.04	-2.66	-2.40e-04	6.63e-04	-1.04e-03
4450	232	11.40	11.73	-3.78	-5.68e-04	4.18e-04	-6.22e-04
4450	235	-10.61	-12.19	0.57	6.71e-04	-2.80e-04	5.60e-04
4451	4	0.69	0.62	-3.17	1.68e-04	0.0	1.51e-04
4451	44	0.63	-2.64	-2.41	-2.44e-04	0.0	-5.89e-04
4451	52	0.71	-0.49	-3.00	9.47e-05	0.0	-2.07e-05
4451	68	0.49	0.39	-2.24	1.15e-04	0.0	9.90e-05
4451	88	0.45	-1.78	-1.74	-1.60e-04	0.0	-3.94e-04
4451	92	0.50	-0.34	-2.13	6.61e-05	0.0	-1.54e-05
4451	98	0.43	-0.29	-1.83	5.36e-05	0.0	-1.42e-05
4451	105	0.41	-0.57	-1.73	7.39e-06	0.0	-8.98e-05
4451	107	0.41	-0.27	-1.76	5.09e-05	0.0	-1.41e-05
4451	112	14.38	3.80	-2.90	-1.28e-04	0.0	-5.08e-04
4451	132	8.52	8.96	-3.55	-3.11e-04	0.0	3.51e-05
4451	139	-7.50	-9.52	0.02	4.13e-04	0.0	-5.83e-05
4451	144	16.16	4.32	-3.05	-1.50e-04	0.0	-5.71e-04
4451	164	9.56	10.12	-3.77	-3.57e-04	0.0	4.14e-05
4451	171	-8.54	-10.68	0.24	4.58e-04	0.0	-6.34e-05
4451	176	16.29	4.25	-3.04	-1.47e-04	0.0	-5.64e-04
4451	200	9.63	10.02	-3.76	-3.51e-04	0.0	2.71e-05
4451	203	-8.80	-10.56	0.23	4.53e-04	0.0	-5.52e-05
4451	216	19.33	5.18	-3.31	-1.83e-04	0.0	-7.23e-04
4451	232	11.47	11.72	-4.10	-4.19e-04	0.0	2.85e-05
4451	235	-10.65	-12.27	0.57	5.21e-04	0.0	-5.67e-05
4452	4	0.69	0.56	-3.10	1.26e-04	0.0	1.43e-04
4452	28	0.70	-1.67	-2.78	-2.05e-05	0.0	-3.48e-04
4452	44	0.63	-2.40	-2.35	-1.08e-04	0.0	-5.65e-04
4452	68	0.49	0.35	-2.19	8.69e-05	0.0	9.34e-05
4452	80	0.50	-1.13	-1.98	-1.07e-05	0.0	-2.34e-04
4452	88	0.45	-1.62	-1.69	-6.92e-05	0.0	-3.78e-04
4452	98	0.43	-0.28	-1.79	5.32e-05	0.0	-1.48e-05

4452	105	0.41	-0.53	-1.68	2.52e-05	0.0	-8.72e-05
4452	107	0.41	-0.27	-1.72	5.06e-05	0.0	-1.47e-05
4452	112	14.38	4.03	-2.77	-1.41e-04	0.0	-6.43e-04
4452	136	8.32	9.03	-3.48	-3.51e-04	0.0	-4.05e-04
4452	139	-7.50	-9.57	0.05	4.52e-04	0.0	3.76e-04
4452	144	16.16	4.57	-2.90	-1.65e-04	0.0	-7.22e-04
4452	168	9.36	10.20	-3.70	-4.01e-04	0.0	-4.55e-04
4452	171	-8.54	-10.73	0.27	5.02e-04	0.0	4.26e-04
4452	176	16.28	4.50	-2.89	-1.62e-04	0.0	-7.13e-04
4452	200	9.63	10.09	-3.69	-3.96e-04	0.0	-4.54e-04
4452	203	-8.81	-10.62	0.25	4.97e-04	0.0	4.24e-04
4452	216	19.33	5.50	-3.15	-2.03e-04	0.0	-8.97e-04
4452	232	11.47	11.81	-4.02	-4.70e-04	0.0	-5.35e-04
4452	235	-10.65	-12.34	0.59	5.71e-04	0.0	5.06e-04
4453	4	0.72	0.51	-3.17	2.16e-04	0.0	7.10e-05
4453	44	0.66	-2.42	-2.41	-4.24e-04	0.0	-3.26e-04
4453	52	0.74	-0.54	-3.00	9.01e-05	0.0	-2.18e-05
4453	68	0.51	0.32	-2.24	1.47e-04	0.0	4.58e-05
4453	88	0.47	-1.63	-1.74	-2.80e-04	0.0	-2.19e-04
4453	92	0.52	-0.38	-2.14	6.27e-05	0.0	-1.60e-05
4453	98	0.44	-0.31	-1.84	5.04e-05	0.0	-1.45e-05
4453	105	0.43	-0.56	-1.73	-1.92e-05	0.0	-5.49e-05
4453	107	0.43	-0.30	-1.76	4.78e-05	0.0	-1.42e-05
4453	112	14.43	3.87	-2.89	-1.27e-04	0.0	-6.36e-04
4453	132	8.55	9.10	-3.54	-2.68e-04	0.0	-3.93e-04
4453	139	-7.49	-9.70	0.01	3.62e-04	0.0	3.70e-04
4453	144	16.22	4.39	-3.03	-1.49e-04	0.0	-7.14e-04
4453	164	9.60	10.27	-3.77	-3.07e-04	0.0	-4.41e-04
4453	171	-8.54	-10.88	0.24	4.02e-04	0.0	4.20e-04
4453	176	16.34	4.33	-3.02	-1.47e-04	0.0	-7.04e-04
4453	200	9.66	10.17	-3.75	-3.03e-04	0.0	-4.49e-04
4453	203	-8.81	-10.77	0.23	3.98e-04	0.0	4.20e-04
4453	216	19.38	5.27	-3.29	-1.81e-04	0.0	-8.94e-04
4453	232	11.51	11.91	-4.09	-3.62e-04	0.0	-5.31e-04
4453	235	-10.65	-12.50	0.57	4.58e-04	0.0	5.02e-04
4454	4	0.72	0.48	-3.10	1.61e-04	0.0	6.92e-05
4454	44	0.66	-2.29	-2.35	-2.46e-04	0.0	-3.21e-04
4454	52	0.73	-0.53	-2.94	8.90e-05	0.0	-2.20e-05
4454	68	0.51	0.30	-2.19	1.10e-04	0.0	4.46e-05
4454	88	0.47	-1.54	-1.69	-1.61e-04	0.0	-2.16e-04
4454	92	0.52	-0.37	-2.09	6.21e-05	0.0	-1.62e-05
4454	98	0.44	-0.30	-1.79	5.00e-05	0.0	-1.47e-05
4454	105	0.43	-0.53	-1.68	4.31e-06	0.0	-5.45e-05
4454	107	0.43	-0.29	-1.72	4.75e-05	0.0	-1.44e-05
4454	112	14.43	4.10	-2.77	-1.40e-04	0.0	-6.37e-04
4454	136	8.35	9.19	-3.48	-3.16e-04	0.0	-4.00e-04
4454	139	-7.50	-9.78	0.04	4.11e-04	0.0	3.71e-04
4454	144	16.21	4.65	-2.90	-1.64e-04	0.0	-7.16e-04
4454	168	9.39	10.38	-3.70	-3.61e-04	0.0	-4.49e-04
4454	171	-8.54	-10.97	0.27	4.56e-04	0.0	4.20e-04
4454	176	16.34	4.58	-2.89	-1.61e-04	0.0	-7.06e-04
4454	200	9.66	10.27	-3.69	-3.57e-04	0.0	-4.50e-04
4454	203	-8.81	-10.85	0.25	4.52e-04	0.0	4.21e-04
4454	216	19.37	5.60	-3.15	-2.01e-04	0.0	-8.95e-04
4454	232	11.51	12.03	-4.02	-4.25e-04	0.0	-5.32e-04
4454	235	-10.65	-12.61	0.59	5.20e-04	0.0	5.03e-04
4455	4	0.75	0.38	-3.17	-4.08e-04	1.50e-04	-1.44e-05
4455	44	0.68	-2.12	-2.41	-2.31e-04	1.42e-04	-4.54e-05
4455	52	0.76	-0.58	-3.01	-3.54e-04	1.50e-04	-2.30e-05
4455	68	0.53	0.23	-2.24	-2.93e-04	1.13e-04	-1.08e-05
4455	88	0.48	-1.43	-1.74	-1.75e-04	1.08e-04	-3.15e-05
4455	92	0.54	-0.41	-2.14	-2.57e-04	1.13e-04	-1.66e-05
4455	98	0.46	-0.33	-1.84	-2.40e-04	1.10e-04	-1.46e-05
4455	105	0.44	-0.53	-1.73	-2.20e-04	1.08e-04	-1.74e-05
4455	107	0.44	-0.32	-1.76	-2.32e-04	1.08e-04	-1.42e-05
4455	112	14.48	3.93	-2.89	-5.01e-04	2.07e-04	-6.33e-04
4455	132	8.58	9.21	-3.54	-8.21e-04	1.64e-04	-4.01e-04
4455	139	-7.50	-9.86	0.01	3.58e-04	5.93e-05	3.80e-04
4455	144	16.27	4.46	-3.03	-5.35e-04	2.19e-04	-7.11e-04
4455	164	9.63	10.41	-3.76	-8.94e-04	1.71e-04	-4.50e-04
4455	171	-8.54	-11.06	0.24	4.32e-04	5.31e-05	4.31e-04
4455	176	16.39	4.40	-3.02	-5.30e-04	2.17e-04	-7.01e-04
4455	200	9.69	10.31	-3.75	-8.88e-04	1.63e-04	-4.61e-04
4455	203	-8.81	-10.94	0.22	4.24e-04	5.45e-05	4.33e-04
4455	216	19.42	5.36	-3.29	-5.93e-04	2.10e-04	-8.95e-04

4455	232	11.54	12.07	-4.09	-9.97e-04	1.72e-04	-5.46e-04
4455	235	-10.66	-12.71	0.56	5.33e-04	4.51e-05	5.18e-04
4456	4	0.75	0.38	-3.10	-4.08e-04	1.60e-04	-2.24e-05
4456	44	0.68	-2.11	-2.35	-2.32e-04	1.47e-04	-2.63e-05
4456	52	0.76	-0.57	-2.94	-3.55e-04	1.59e-04	-2.48e-05
4456	68	0.53	0.24	-2.19	-2.93e-04	1.20e-04	-1.63e-05
4456	88	0.49	-1.43	-1.69	-1.76e-04	1.11e-04	-1.89e-05
4456	92	0.54	-0.40	-2.09	-2.58e-04	1.19e-04	-1.79e-05
4456	98	0.46	-0.33	-1.79	-2.40e-04	1.15e-04	-1.58e-05
4456	105	0.44	-0.53	-1.68	-2.21e-04	1.13e-04	-1.58e-05
4456	107	0.44	-0.31	-1.72	-2.33e-04	1.13e-04	-1.53e-05
4456	112	14.48	4.17	-2.77	-5.13e-04	3.26e-04	-6.37e-04
4456	136	8.38	9.34	-3.48	-8.29e-04	2.24e-04	-4.15e-04
4456	139	-7.50	-9.97	0.04	3.63e-04	2.64e-06	3.84e-04
4456	144	16.27	4.73	-2.90	-5.48e-04	3.53e-04	-7.15e-04
4456	168	9.42	10.55	-3.70	-9.03e-04	2.38e-04	-4.66e-04
4456	171	-8.54	-11.18	0.26	4.38e-04	-1.18e-05	4.36e-04
4456	176	16.39	4.66	-2.89	-5.42e-04	3.53e-04	-7.05e-04
4456	200	9.69	10.44	-3.68	-8.95e-04	2.41e-04	-4.68e-04
4456	203	-8.81	-11.07	0.25	4.30e-04	-1.49e-05	4.38e-04
4456	216	19.42	5.70	-3.14	-6.09e-04	3.74e-04	-8.99e-04
4456	232	11.54	12.23	-4.02	-1.01e-03	2.67e-04	-5.55e-04
4456	235	-10.66	-12.85	0.58	5.40e-04	-4.05e-05	5.24e-04
4457	4	0.69	0.50	-3.03	8.19e-05	0.0	1.22e-04
4457	28	0.70	-1.52	-2.71	6.28e-05	0.0	-3.15e-04
4457	44	0.63	-2.17	-2.28	3.19e-05	0.0	-5.08e-04
4457	68	0.49	0.31	-2.14	5.76e-05	0.0	7.97e-05
4457	80	0.50	-1.03	-1.93	4.49e-05	0.0	-2.12e-04
4457	88	0.45	-1.46	-1.64	2.43e-05	0.0	-3.40e-04
4457	98	0.43	-0.27	-1.74	5.23e-05	0.0	-1.65e-05
4457	105	0.41	-0.49	-1.63	4.33e-05	0.0	-8.09e-05
4457	107	0.41	-0.26	-1.67	4.98e-05	0.0	-1.63e-05
4457	112	14.38	4.25	-2.59	-1.57e-04	0.0	-6.55e-04
4457	136	8.31	9.09	-3.39	-3.91e-04	0.0	-4.10e-04
4457	139	-7.50	-9.62	0.06	4.91e-04	0.0	3.77e-04
4457	144	16.16	4.82	-2.70	-1.83e-04	0.0	-7.36e-04
4457	168	9.35	10.27	-3.61	-4.47e-04	0.0	-4.60e-04
4457	171	-8.54	-10.79	0.28	5.46e-04	0.0	4.28e-04
4457	176	16.28	4.75	-2.69	-1.78e-04	0.0	-7.27e-04
4457	200	9.62	10.16	-3.59	-4.40e-04	0.0	-4.60e-04
4457	203	-8.81	-10.69	0.26	5.40e-04	0.0	4.27e-04
4457	216	19.33	5.82	-2.91	-2.25e-04	0.0	-9.13e-04
4457	232	11.47	11.90	-3.91	-5.22e-04	0.0	-5.43e-04
4457	235	-10.65	-12.42	0.58	6.21e-04	0.0	5.11e-04
4458	4	0.72	0.45	-3.03	9.85e-05	0.0	6.27e-05
4458	44	0.65	-2.16	-2.28	-4.51e-05	0.0	-2.99e-04
4458	52	0.73	-0.52	-2.87	8.70e-05	0.0	-2.18e-05
4458	68	0.51	0.28	-2.14	6.85e-05	0.0	4.03e-05
4458	88	0.47	-1.45	-1.64	-2.72e-05	0.0	-2.01e-04
4458	92	0.52	-0.36	-2.03	6.08e-05	0.0	-1.61e-05
4458	98	0.44	-0.30	-1.74	4.91e-05	0.0	-1.46e-05
4458	105	0.43	-0.51	-1.63	3.06e-05	0.0	-5.15e-05
4458	107	0.43	-0.28	-1.67	4.68e-05	0.0	-1.44e-05
4458	112	14.43	4.33	-2.59	-1.55e-04	0.0	-6.38e-04
4458	136	8.35	9.28	-3.39	-3.72e-04	0.0	-4.00e-04
4458	139	-7.50	-9.85	0.06	4.66e-04	0.0	3.72e-04
4458	144	16.21	4.91	-2.70	-1.80e-04	0.0	-7.17e-04
4458	168	9.39	10.48	-3.61	-4.25e-04	0.0	-4.50e-04
4458	171	-8.54	-11.05	0.27	5.18e-04	0.0	4.21e-04
4458	176	16.34	4.84	-2.69	-1.76e-04	0.0	-7.07e-04
4458	200	9.66	10.38	-3.59	-4.19e-04	0.0	-4.51e-04
4458	203	-8.81	-10.94	0.25	5.13e-04	0.0	4.22e-04
4458	216	19.37	5.93	-2.91	-2.22e-04	0.0	-8.96e-04
4458	232	11.51	12.15	-3.91	-4.97e-04	0.0	-5.33e-04
4458	235	-10.65	-12.72	0.58	5.90e-04	0.0	5.05e-04
4459	4	0.75	0.39	-3.03	-4.09e-04	1.65e-04	-2.39e-05
4459	44	0.68	-2.10	-2.29	-2.33e-04	1.47e-04	-2.45e-05
4459	52	0.76	-0.56	-2.87	-3.56e-04	1.62e-04	-2.56e-05
4459	68	0.53	0.24	-2.14	-2.94e-04	1.22e-04	-1.74e-05
4459	88	0.49	-1.42	-1.65	-1.76e-04	1.10e-04	-1.77e-05
4459	92	0.54	-0.39	-2.04	-2.59e-04	1.21e-04	-1.85e-05
4459	98	0.46	-0.32	-1.74	-2.41e-04	1.18e-04	-1.63e-05
4459	105	0.44	-0.52	-1.63	-2.21e-04	1.14e-04	-1.60e-05
4459	107	0.44	-0.31	-1.67	-2.33e-04	1.15e-04	-1.58e-05
4459	112	14.48	4.41	-2.59	-5.24e-04	4.02e-04	-6.37e-04

4459	136	8.38	9.46	-3.39	-8.35e-04	2.66e-04	-4.16e-04
4459	139	-7.50	-10.07	0.06	3.69e-04	-3.61e-05	3.84e-04
4459	144	16.27	5.00	-2.71	-5.61e-04	4.38e-04	-7.15e-04
4459	168	9.42	10.68	-3.61	-9.11e-04	2.86e-04	-4.67e-04
4459	171	-8.54	-11.30	0.27	4.44e-04	-5.61e-05	4.36e-04
4459	176	16.39	4.93	-2.69	-5.55e-04	4.40e-04	-7.05e-04
4459	200	9.69	10.58	-3.59	-9.03e-04	2.91e-04	-4.70e-04
4459	203	-8.81	-11.19	0.25	4.37e-04	-6.13e-05	4.38e-04
4459	216	19.42	6.04	-2.92	-6.25e-04	4.78e-04	-9.00e-04
4459	232	11.55	12.39	-3.91	-1.01e-03	3.27e-04	-5.56e-04
4459	235	-10.66	-13.01	0.58	5.48e-04	-9.70e-05	5.24e-04
4460	4	0.69	0.45	-2.94	5.11e-05	7.71e-05	7.91e-05
4460	44	0.63	-1.96	-2.21	1.34e-04	7.72e-05	-3.82e-04
4460	52	0.70	-0.46	-2.78	9.20e-05	7.98e-05	-2.82e-05
4460	68	0.49	0.28	-2.08	3.71e-05	5.44e-05	5.05e-05
4460	88	0.45	-1.32	-1.59	9.25e-05	5.45e-05	-2.57e-04
4460	92	0.50	-0.33	-1.97	6.44e-05	5.62e-05	-2.10e-05
4460	98	0.42	-0.27	-1.68	5.24e-05	4.70e-05	-1.95e-05
4460	105	0.41	-0.46	-1.58	5.70e-05	4.58e-05	-6.65e-05
4460	107	0.41	-0.25	-1.61	4.99e-05	4.48e-05	-1.92e-05
4460	112	14.38	4.49	-2.41	-1.63e-04	2.18e-04	-6.75e-04
4460	136	8.31	9.17	-3.29	-4.16e-04	1.39e-04	-4.19e-04
4460	139	-7.50	-9.68	0.07	5.16e-04	-4.93e-05	3.81e-04
4460	144	16.16	5.09	-2.51	-1.90e-04	2.40e-04	-7.58e-04
4460	168	9.35	10.35	-3.50	-4.75e-04	1.51e-04	-4.71e-04
4460	171	-8.54	-10.86	0.28	5.74e-04	-6.14e-05	4.33e-04
4460	176	16.28	5.02	-2.49	-1.85e-04	2.39e-04	-7.49e-04
4460	200	9.62	10.25	-3.48	-4.68e-04	1.52e-04	-4.72e-04
4460	203	-8.81	-10.76	0.26	5.67e-04	-6.23e-05	4.34e-04
4460	216	19.33	6.16	-2.68	-2.34e-04	2.42e-04	-9.38e-04
4460	232	11.47	12.01	-3.79	-5.53e-04	1.72e-04	-5.58e-04
4460	235	-10.65	-12.52	0.57	6.53e-04	-8.23e-05	5.20e-04
4461	4	0.72	0.42	-2.95	4.97e-05	6.27e-05	4.18e-05
4461	44	0.65	-2.03	-2.22	1.13e-04	6.84e-05	-2.26e-04
4461	52	0.73	-0.51	-2.79	8.56e-05	6.65e-05	-2.11e-05
4461	68	0.51	0.26	-2.08	3.60e-05	4.40e-05	2.63e-05
4461	88	0.47	-1.37	-1.59	7.80e-05	4.77e-05	-1.52e-04
4461	92	0.52	-0.36	-1.98	6.00e-05	4.65e-05	-1.56e-05
4461	98	0.44	-0.29	-1.68	4.86e-05	3.84e-05	-1.43e-05
4461	105	0.42	-0.49	-1.58	5.13e-05	3.78e-05	-4.15e-05
4461	107	0.43	-0.28	-1.62	4.64e-05	3.65e-05	-1.41e-05
4461	112	14.43	4.57	-2.42	-4.46e-06	1.19e-04	-6.33e-04
4461	136	8.35	9.37	-3.30	-4.12e-04	1.41e-05	-4.00e-04
4461	139	-7.50	-9.93	0.06	5.05e-04	5.88e-05	3.71e-04
4461	144	16.21	5.18	-2.52	-1.08e-05	1.29e-04	-7.12e-04
4461	168	9.39	10.58	-3.51	-4.69e-04	1.14e-05	-4.49e-04
4461	171	-8.54	-11.14	0.27	5.62e-04	6.15e-05	4.21e-04
4461	176	16.33	5.11	-2.50	-1.22e-05	1.27e-04	-7.02e-04
4461	200	9.66	10.48	-3.48	-4.62e-04	1.18e-05	-4.50e-04
4461	203	-8.81	-11.04	0.25	5.55e-04	6.11e-05	4.22e-04
4461	216	19.37	6.27	-2.69	-2.32e-04	1.09e-04	-8.90e-04
4461	232	11.51	12.28	-3.79	-5.46e-04	8.33e-06	-5.33e-04
4461	235	-10.65	-12.84	0.56	6.39e-04	6.46e-05	5.05e-04
4462	4	0.75	0.40	-2.96	-4.10e-04	5.21e-05	-1.65e-05
4462	44	0.68	-2.09	-2.23	-2.34e-04	1.50e-04	-1.79e-05
4462	52	0.76	-0.55	-2.80	-3.57e-04	7.67e-05	-1.83e-05
4462	68	0.53	0.25	-2.09	-2.95e-04	3.80e-05	-1.21e-05
4462	88	0.49	-1.41	-1.60	-1.77e-04	1.03e-04	-1.30e-05
4462	92	0.54	-0.38	-1.99	-2.59e-04	5.44e-05	-1.33e-05
4462	98	0.46	-0.32	-1.69	-2.42e-04	4.61e-05	-1.18e-05
4462	105	0.44	-0.51	-1.59	-2.22e-04	5.51e-05	-1.16e-05
4462	107	0.44	-0.30	-1.62	-2.34e-04	4.42e-05	-1.15e-05
4462	112	14.48	4.65	-2.43	-5.36e-04	2.01e-04	-6.25e-04
4462	136	8.38	9.58	-3.30	-8.42e-04	1.19e-04	-4.06e-04
4462	139	-7.50	-10.18	0.06	3.75e-04	-3.06e-05	3.83e-04
4462	144	16.27	5.27	-2.53	-5.74e-04	2.21e-04	-7.03e-04
4462	168	9.42	10.82	-3.51	-9.18e-04	1.29e-04	-4.56e-04
4462	171	-8.54	-11.42	0.27	4.51e-04	-4.01e-05	4.33e-04
4462	176	16.39	5.20	-2.51	-5.67e-04	2.19e-04	-6.92e-04
4462	200	9.69	10.71	-3.49	-9.10e-04	1.29e-04	-4.58e-04
4462	203	-8.81	-11.31	0.24	4.43e-04	-4.04e-05	4.35e-04
4462	216	19.42	6.39	-2.70	-6.41e-04	1.90e-04	-8.89e-04
4462	232	11.55	12.56	-3.80	-1.02e-03	1.44e-04	-5.43e-04
4462	235	-10.66	-13.16	0.55	5.56e-04	-5.60e-05	5.20e-04
4463	4	0.44	0.98	-2.64	1.40e-03	0.0	-3.17e-04

4463	28	0.44	-1.97	-2.99	-5.23e-04	0.0	1.41e-04
4463	44	0.38	-2.76	-2.84	-9.49e-04	0.0	2.44e-04
4463	68	0.30	0.62	-1.90	9.39e-04	0.0	-2.12e-04
4463	80	0.30	-1.34	-2.14	-3.44e-04	0.0	9.28e-05
4463	88	0.26	-1.87	-2.03	-6.28e-04	0.0	1.62e-04
4463	98	0.24	-0.41	-1.77	6.14e-05	0.0	-8.94e-06
4463	105	0.22	-0.68	-1.74	-7.97e-05	0.0	2.54e-05
4463	107	0.22	-0.39	-1.71	5.91e-05	0.0	-8.80e-06
4463	108	8.29	-2.23	-1.90	1.39e-05	0.0	-4.63e-04
4463	129	-1.81	-11.62	-3.69	1.29e-04	0.0	-3.64e-04
4463	140	9.29	-2.46	-1.92	8.21e-06	0.0	-5.21e-04
4463	161	-2.07	-13.04	-3.94	1.38e-04	0.0	-4.10e-04
4463	172	8.87	-2.39	-1.91	9.20e-06	0.0	-5.13e-04
4463	193	-2.09	-12.98	-3.92	1.36e-04	0.0	-4.10e-04
4463	204	10.13	-2.72	-1.93	0.0	0.0	-5.96e-04
4463	225	-2.46	-15.14	-4.30	1.49e-04	0.0	-4.85e-04
4464	4	0.42	2.44	-3.35	1.37e-03	1.90e-06	-5.89e-04
4464	19	0.13	4.72	-1.26	2.17e-03	3.10e-06	-9.44e-04
4464	28	0.42	-2.43	-3.68	-5.18e-04	0.0	2.53e-04
4464	68	0.29	1.61	-2.40	9.19e-04	1.27e-06	-3.94e-04
4464	72	0.14	3.07	-1.43	1.46e-03	2.07e-06	-6.33e-04
4464	80	0.29	-1.64	-2.62	-3.42e-04	0.0	1.68e-04
4464	98	0.23	-0.30	-2.17	5.61e-05	0.0	-1.62e-05
4464	105	0.22	-0.71	-2.13	-8.26e-05	0.0	4.71e-05
4464	107	0.22	-0.29	-2.09	5.38e-05	0.0	-1.54e-05
4464	108	8.22	1.91	-1.31	1.36e-05	0.0	-4.88e-04
4464	127	-5.42	-9.01	-3.85	1.39e-04	1.05e-06	-5.42e-05
4464	129	-1.82	-9.30	-3.70	1.29e-04	1.68e-06	-3.79e-04
4464	140	9.22	2.19	-1.21	8.54e-06	0.0	-5.47e-04
4464	159	-6.12	-10.10	-4.07	1.49e-04	1.18e-06	-5.94e-05
4464	161	-2.08	-10.42	-3.90	1.39e-04	1.89e-06	-4.26e-04
4464	172	8.79	2.16	-1.24	1.02e-05	0.0	-5.40e-04
4464	191	-5.86	-9.96	-4.03	1.48e-04	1.14e-06	-5.94e-05
4464	193	-2.10	-10.28	-3.88	1.38e-04	1.79e-06	-4.27e-04
4464	204	10.04	2.55	-1.12	3.59e-06	0.0	-6.27e-04
4464	223	-6.77	-11.54	-4.35	1.63e-04	1.32e-06	-6.91e-05
4464	225	-2.47	-11.92	-4.17	1.52e-04	2.06e-06	-5.05e-04
4465	4	0.43	2.01	-3.28	1.13e-03	0.0	-7.58e-04
4465	19	0.14	4.03	-1.21	1.76e-03	0.0	-1.23e-03
4465	28	0.43	-2.24	-3.61	-4.02e-04	0.0	3.39e-04
4465	68	0.30	1.32	-2.35	7.55e-04	0.0	-5.07e-04
4465	72	0.15	2.61	-1.38	1.19e-03	0.0	-8.22e-04
4465	80	0.30	-1.51	-2.57	-2.64e-04	0.0	2.25e-04
4465	98	0.24	-0.31	-2.12	5.41e-05	0.0	-1.57e-05
4465	105	0.23	-0.68	-2.08	-5.76e-05	0.0	6.65e-05
4465	107	0.22	-0.30	-2.04	5.20e-05	0.0	-1.49e-05
4465	108	8.23	1.58	-1.16	-1.58e-05	0.0	-6.06e-04
4465	127	-5.41	-8.90	-3.87	1.87e-04	0.0	3.59e-04
4465	129	-1.81	-9.38	-3.66	1.69e-04	0.0	3.65e-05
4465	140	9.22	1.82	-1.05	-2.43e-05	0.0	-6.81e-04
4465	159	-6.10	-9.98	-4.10	2.03e-04	0.0	4.06e-04
4465	161	-2.07	-10.52	-3.87	1.83e-04	0.0	4.23e-05
4465	172	8.79	1.79	-1.09	-2.13e-05	0.0	-6.70e-04
4465	191	-5.84	-9.85	-4.06	2.01e-04	0.0	3.96e-04
4465	193	-2.08	-10.39	-3.85	1.83e-04	0.0	3.21e-05
4465	204	10.05	2.13	-0.94	-3.22e-05	0.0	-7.80e-04
4465	223	-6.75	-11.41	-4.38	2.25e-04	0.0	4.65e-04
4465	225	-2.46	-12.05	-4.15	2.04e-04	0.0	3.33e-05
4466	4	0.67	0.90	-3.00	3.29e-04	0.0	-6.15e-04
4466	44	0.61	-3.27	-2.26	-7.95e-04	0.0	1.97e-03
4466	52	0.68	-0.41	-2.84	9.09e-05	0.0	-2.00e-05
4466	68	0.48	0.59	-2.12	2.22e-04	0.0	-4.11e-04
4466	88	0.44	-2.19	-1.63	-5.27e-04	0.0	1.31e-03
4466	92	0.48	-0.28	-2.02	6.38e-05	0.0	-1.44e-05
4466	98	0.42	-0.23	-1.73	5.20e-05	0.0	-1.27e-05
4466	105	0.40	-0.61	-1.63	-6.70e-05	0.0	2.53e-04
4466	107	0.40	-0.22	-1.66	4.97e-05	0.0	-1.23e-05
4466	112	14.32	4.97	-2.55	2.26e-06	0.0	-9.01e-04
4466	136	8.28	9.50	-3.41	-1.65e-04	0.0	-8.69e-04
4466	139	-7.48	-9.95	0.08	2.64e-04	0.0	8.44e-04
4466	144	16.09	5.62	-2.66	-3.73e-06	0.0	-1.01e-03
4466	168	9.32	10.73	-3.63	-1.92e-04	0.0	-9.77e-04
4466	171	-8.51	-11.17	0.30	2.91e-04	0.0	9.53e-04
4466	176	16.22	5.54	-2.64	-4.08e-06	0.0	-9.96e-04
4466	200	9.58	10.63	-3.60	-1.89e-04	0.0	-9.75e-04

4466	203	-8.78	-11.07	0.28	2.88e-04	0.0	9.51e-04
4466	216	19.27	6.79	-2.85	-6.92e-05	0.0	-1.22e-03
4466	232	11.42	12.45	-3.93	-2.28e-04	0.0	-1.15e-03
4466	235	-10.62	-12.90	0.60	3.28e-04	0.0	1.12e-03
4467	4	-0.05	1.04	-2.64	-6.01e-04	0.0	-3.22e-04
4467	42	-0.09	-3.14	-1.31	2.20e-03	0.0	9.81e-04
4467	44	-0.09	-3.18	-1.89	2.22e-03	0.0	9.77e-04
4467	68	-0.04	0.69	-1.88	-3.96e-04	0.0	-2.15e-04
4467	86	-0.06	-2.10	-0.99	1.47e-03	0.0	6.53e-04
4467	88	-0.06	-2.12	-1.38	1.49e-03	0.0	6.50e-04
4467	98	-0.04	-0.09	-1.53	5.23e-05	0.0	-1.34e-05
4467	104	-0.05	-0.47	-1.10	3.25e-04	0.0	1.22e-04
4467	105	-0.05	-0.49	-1.43	3.36e-04	0.0	1.20e-04
4467	106	-0.04	-0.06	-1.14	3.87e-05	0.0	-1.05e-05
4467	107	-0.04	-0.09	-1.47	5.04e-05	0.0	-1.30e-05
4467	115	-9.14	2.08	-0.27	-3.13e-04	0.0	4.67e-04
4467	129	5.09	-6.96	0.71	1.46e-03	0.0	2.60e-05
4467	130	-5.18	6.79	-3.66	-1.36e-03	0.0	-5.20e-05
4467	147	-10.30	2.36	-0.12	-3.60e-04	0.0	5.28e-04
4467	161	5.77	-7.84	0.98	1.63e-03	0.0	3.04e-05
4467	162	-5.85	7.66	-3.93	-1.53e-03	0.0	-5.63e-05
4467	179	-10.38	2.37	-0.17	-3.52e-04	0.0	5.29e-04
4467	193	5.94	-7.83	0.95	1.63e-03	0.0	2.35e-05
4467	194	-6.03	7.66	-3.90	-1.53e-03	0.0	-4.94e-05
4467	219	-12.49	3.27	-1.90	-4.92e-04	0.0	6.90e-04
4467	225	7.14	-9.19	1.36	1.90e-03	0.0	2.46e-05
4467	226	-7.22	9.01	-4.31	-1.80e-03	0.0	-5.06e-05
4468	4	-0.04	0.82	-2.44	-4.00e-04	0.0	-3.70e-04
4468	42	-0.08	-2.45	-1.14	1.56e-03	0.0	1.15e-03
4468	44	-0.08	-2.49	-1.69	1.58e-03	0.0	1.14e-03
4468	68	-0.03	0.54	-1.73	-2.62e-04	0.0	-2.47e-04
4468	86	-0.06	-1.64	-0.87	1.04e-03	0.0	7.63e-04
4468	88	-0.06	-1.67	-1.23	1.06e-03	0.0	7.60e-04
4468	98	-0.04	-0.10	-1.39	5.67e-05	0.0	-1.26e-05
4468	104	-0.05	-0.38	-0.98	2.42e-04	0.0	1.45e-04
4468	105	-0.04	-0.41	-1.30	2.54e-04	0.0	1.43e-04
4468	106	-0.04	-0.07	-1.03	4.26e-05	0.0	-9.81e-06
4468	107	-0.04	-0.09	-1.34	5.47e-05	0.0	-1.22e-05
4468	115	-9.17	2.33	-1.79	-3.62e-04	0.0	4.40e-04
4468	129	5.12	-7.01	0.94	1.43e-03	0.0	5.07e-05
4468	130	-5.19	6.82	-3.62	-1.32e-03	0.0	-7.51e-05
4468	147	-10.33	2.64	-1.85	-4.16e-04	0.0	4.97e-04
4468	161	5.80	-7.89	1.23	1.60e-03	0.0	5.77e-05
4468	162	-5.87	7.70	-3.91	-1.49e-03	0.0	-8.21e-05
4468	179	-10.41	2.65	-1.83	-4.09e-04	0.0	4.98e-04
4468	193	5.97	-7.89	1.21	1.60e-03	0.0	4.88e-05
4468	194	-6.04	7.70	-3.89	-1.49e-03	0.0	-7.32e-05
4468	219	-12.53	3.65	-2.05	-5.77e-04	0.0	6.56e-04
4468	225	7.17	-9.26	1.64	1.86e-03	0.0	5.30e-05
4468	226	-7.25	9.08	-4.32	-1.75e-03	0.0	-7.74e-05
4469	28	0.48	-1.92	-2.66	-2.04e-04	-2.23e-06	2.79e-04
4469	44	0.42	-2.69	-2.53	-4.10e-04	-3.78e-06	4.80e-04
4469	80	0.33	-1.31	-1.89	-1.32e-04	-1.49e-06	1.85e-04
4469	88	0.29	-1.82	-1.81	-2.69e-04	-2.52e-06	3.19e-04
4469	98	0.27	-0.39	-1.54	5.55e-05	0.0	-1.22e-05
4469	105	0.25	-0.66	-1.53	-1.20e-05	0.0	5.45e-05
4469	107	0.25	-0.38	-1.49	5.35e-05	0.0	-1.19e-05
4469	108	8.25	-2.81	-1.78	-1.19e-04	9.61e-06	-5.25e-04
4469	129	-1.77	-11.69	-3.58	3.43e-04	-1.04e-05	5.93e-05
4469	140	9.25	-3.11	-1.81	-1.41e-04	1.08e-05	-5.90e-04
4469	161	-2.03	-13.12	-3.84	3.79e-04	-1.18e-05	6.73e-05
4469	172	8.82	-3.03	-1.78	-1.33e-04	1.05e-05	-5.81e-04
4469	193	-2.05	-13.07	-3.82	3.76e-04	-1.17e-05	5.60e-05
4469	204	10.08	-3.47	-1.82	-1.61e-04	1.21e-05	-6.77e-04
4469	225	-2.42	-15.27	-4.21	4.30e-04	-1.36e-05	5.99e-05
4470	4	0.66	1.26	-3.03	5.58e-04	0.0	-5.03e-04
4470	44	0.61	-4.43	-2.30	-1.56e-03	0.0	1.60e-03
4470	52	0.68	-0.39	-2.87	9.08e-05	0.0	-2.09e-05
4470	68	0.48	0.83	-2.16	3.75e-04	0.0	-3.37e-04
4470	88	0.44	-2.96	-1.66	-1.04e-03	0.0	1.06e-03
4470	92	0.48	-0.28	-2.04	6.38e-05	0.0	-1.50e-05
4470	98	0.42	-0.23	-1.77	5.21e-05	0.0	-1.32e-05
4470	105	0.40	-0.76	-1.66	-1.69e-04	0.0	2.03e-04
4470	107	0.40	-0.21	-1.70	4.98e-05	0.0	-1.27e-05
4470	112	14.33	5.49	-2.66	8.97e-05	0.0	-8.25e-04

4470	136	8.29	9.98	-3.51	1.08e-05	0.0	-7.34e-04
4470	139	-7.48	-10.41	0.11	8.88e-05	0.0	7.08e-04
4470	144	16.11	6.21	-2.78	9.46e-05	0.0	-9.27e-04
4470	168	9.32	11.26	-3.74	6.28e-06	0.0	-8.26e-04
4470	171	-8.52	-11.69	0.34	9.33e-05	0.0	8.00e-04
4470	176	16.23	6.12	-2.76	9.30e-05	0.0	-9.12e-04
4470	200	9.59	11.17	-3.72	1.04e-05	0.0	-8.26e-04
4470	203	-8.79	-11.60	0.32	8.91e-05	0.0	8.00e-04
4470	216	19.28	7.50	-2.99	-9.21e-06	0.0	-1.13e-03
4470	232	11.43	13.09	-4.06	4.88e-06	0.0	-9.73e-04
4470	235	-10.63	-13.51	0.65	9.47e-05	0.0	9.47e-04
4471	4	0.68	0.74	-3.00	3.27e-04	0.0	-4.35e-04
4471	44	0.62	-2.89	-2.26	-7.91e-04	0.0	1.36e-03
4471	52	0.70	-0.45	-2.84	9.07e-05	0.0	-2.15e-05
4471	68	0.49	0.48	-2.12	2.21e-04	0.0	-2.91e-04
4471	88	0.45	-1.94	-1.63	-5.24e-04	0.0	9.08e-04
4471	92	0.50	-0.32	-2.02	6.37e-05	0.0	-1.54e-05
4471	98	0.42	-0.26	-1.73	5.19e-05	0.0	-1.34e-05
4471	105	0.41	-0.58	-1.63	-6.66e-05	0.0	1.72e-04
4471	107	0.41	-0.25	-1.66	4.96e-05	0.0	-1.30e-05
4471	112	14.37	4.98	-2.54	2.44e-06	0.0	-8.08e-04
4471	136	8.31	9.58	-3.41	-1.62e-04	0.0	-7.03e-04
4471	139	-7.49	-10.08	0.08	2.61e-04	0.0	6.77e-04
4471	144	16.15	5.64	-2.65	-3.51e-06	0.0	-9.09e-04
4471	168	9.35	10.82	-3.63	-1.89e-04	0.0	-7.90e-04
4471	171	-8.53	-11.31	0.30	2.88e-04	0.0	7.64e-04
4471	176	16.27	5.56	-2.63	-3.88e-06	0.0	-8.94e-04
4471	200	9.62	10.72	-3.60	-1.86e-04	0.0	-7.91e-04
4471	203	-8.80	-11.22	0.28	2.85e-04	0.0	7.65e-04
4471	216	19.32	6.83	-2.84	-6.76e-05	0.0	-1.11e-03
4471	232	11.46	12.56	-3.93	-2.25e-04	0.0	-9.32e-04
4471	235	-10.65	-13.06	0.60	3.24e-04	0.0	9.06e-04
4472	4	0.72	0.58	-3.00	3.32e-04	0.0	-2.35e-04
4472	44	0.65	-2.50	-2.26	-8.08e-04	0.0	6.98e-04
4472	52	0.73	-0.50	-2.84	9.06e-05	0.0	-2.16e-05
4472	68	0.51	0.37	-2.13	2.25e-04	0.0	-1.58e-04
4472	88	0.47	-1.68	-1.64	-5.35e-04	0.0	4.64e-04
4472	92	0.52	-0.35	-2.02	6.36e-05	0.0	-1.54e-05
4472	98	0.44	-0.28	-1.73	5.19e-05	0.0	-1.34e-05
4472	105	0.42	-0.55	-1.63	-6.88e-05	0.0	8.28e-05
4472	107	0.42	-0.27	-1.66	4.96e-05	0.0	-1.29e-05
4472	112	14.43	4.99	-2.54	3.36e-06	0.0	-7.12e-04
4472	136	8.35	9.66	-3.41	-1.55e-04	0.0	-5.35e-04
4472	139	-7.50	-10.20	0.08	2.54e-04	0.0	5.09e-04
4472	144	16.21	5.65	-2.66	-2.49e-06	0.0	-8.00e-04
4472	168	9.39	10.91	-3.63	-1.80e-04	0.0	-6.02e-04
4472	171	-8.54	-11.45	0.30	2.79e-04	0.0	5.76e-04
4472	176	16.33	5.57	-2.63	-2.91e-06	0.0	-7.88e-04
4472	200	9.66	10.81	-3.61	-1.77e-04	0.0	-6.04e-04
4472	203	-8.81	-11.35	0.28	2.77e-04	0.0	5.79e-04
4472	216	19.37	6.86	-2.84	-6.30e-05	0.0	-9.92e-04
4472	232	11.50	12.67	-3.93	-2.15e-04	0.0	-7.15e-04
4472	235	-10.66	-13.21	0.60	3.14e-04	0.0	6.89e-04
4473	4	0.75	0.41	-3.00	-4.03e-04	-4.99e-05	-1.34e-05
4473	44	0.68	-2.08	-2.27	-2.27e-04	-4.76e-05	-1.58e-05
4473	52	0.76	-0.54	-2.84	-3.50e-04	-4.48e-05	-1.58e-05
4473	68	0.53	0.26	-2.13	-2.89e-04	-4.52e-05	-9.73e-06
4473	88	0.49	-1.41	-1.64	-1.72e-04	-4.37e-05	-1.14e-05
4473	92	0.54	-0.38	-2.02	-2.54e-04	-4.19e-05	-1.13e-05
4473	98	0.46	-0.31	-1.73	-2.36e-04	-5.63e-05	-9.75e-06
4473	105	0.44	-0.51	-1.63	-2.17e-04	-5.77e-05	-9.63e-06
4473	107	0.44	-0.30	-1.66	-2.28e-04	-5.90e-05	-9.43e-06
4473	112	14.48	4.99	-2.55	-5.41e-04	-1.94e-04	-6.20e-04
4473	136	8.38	9.73	-3.41	-8.46e-04	-1.78e-04	-3.99e-04
4473	139	-7.50	-10.33	0.08	3.89e-04	5.96e-05	3.80e-04
4473	144	16.27	5.66	-2.66	-5.80e-04	-2.11e-04	-6.98e-04
4473	168	9.42	11.00	-3.63	-9.23e-04	-1.93e-04	-4.49e-04
4473	171	-8.54	-11.59	0.30	4.66e-04	7.46e-05	4.30e-04
4473	176	16.39	5.58	-2.63	-5.73e-04	-2.07e-04	-6.87e-04
4473	200	9.69	10.90	-3.61	-9.15e-04	-1.92e-04	-4.50e-04
4473	203	-8.81	-11.49	0.28	4.58e-04	7.40e-05	4.32e-04
4473	216	19.42	6.88	-2.84	-6.49e-04	-2.44e-04	-8.82e-04
4473	232	11.55	12.78	-3.93	-1.03e-03	-2.16e-04	-5.34e-04
4473	235	-10.66	-13.37	0.60	5.72e-04	9.77e-05	5.15e-04
4474	4	0.68	0.99	-3.03	5.56e-04	0.0	-3.56e-04

4474	44	0.62	-3.65	-2.30	-1.55e-03	0.0	1.10e-03
4474	52	0.70	-0.44	-2.87	9.09e-05	0.0	-2.12e-05
4474	68	0.49	0.64	-2.16	3.74e-04	0.0	-2.39e-04
4474	88	0.45	-2.45	-1.66	-1.03e-03	0.0	7.36e-04
4474	92	0.50	-0.31	-2.04	6.38e-05	0.0	-1.52e-05
4474	98	0.42	-0.25	-1.77	5.22e-05	0.0	-1.33e-05
4474	105	0.41	-0.67	-1.66	-1.68e-04	0.0	1.37e-04
4474	107	0.41	-0.24	-1.70	4.98e-05	0.0	-1.29e-05
4474	112	14.36	5.44	-2.66	9.10e-05	0.0	-7.60e-04
4474	136	8.31	9.96	-3.51	1.19e-05	0.0	-6.18e-04
4474	139	-7.49	-10.44	0.11	8.78e-05	0.0	5.93e-04
4474	144	16.14	6.16	-2.79	9.61e-05	0.0	-8.54e-04
4474	168	9.34	11.24	-3.74	7.50e-06	0.0	-6.96e-04
4474	171	-8.53	-11.72	0.34	9.22e-05	0.0	6.70e-04
4474	176	16.27	6.07	-2.76	9.45e-05	0.0	-8.41e-04
4474	200	9.61	11.15	-3.72	1.18e-05	0.0	-6.98e-04
4474	203	-8.80	-11.63	0.32	8.79e-05	0.0	6.72e-04
4474	216	19.31	7.47	-3.00	-9.52e-06	0.0	-1.05e-03
4474	232	11.46	13.07	-4.06	6.46e-06	0.0	-8.23e-04
4474	235	-10.64	-13.54	0.65	9.32e-05	0.0	7.97e-04
4475	4	0.72	0.71	-3.03	5.62e-04	0.0	-1.94e-04
4475	44	0.65	-2.88	-2.30	-1.57e-03	0.0	5.62e-04
4475	52	0.73	-0.48	-2.87	9.12e-05	0.0	-2.13e-05
4475	68	0.51	0.46	-2.16	3.78e-04	0.0	-1.30e-04
4475	88	0.47	-1.93	-1.66	-1.04e-03	0.0	3.74e-04
4475	92	0.52	-0.34	-2.04	6.41e-05	0.0	-1.53e-05
4475	98	0.44	-0.28	-1.77	5.24e-05	0.0	-1.33e-05
4475	105	0.42	-0.59	-1.67	-1.70e-04	0.0	6.47e-05
4475	107	0.42	-0.26	-1.70	5.00e-05	0.0	-1.28e-05
4475	112	14.42	5.40	-2.66	9.45e-05	0.0	-6.90e-04
4475	136	8.34	9.93	-3.51	1.27e-05	0.0	-4.99e-04
4475	139	-7.50	-10.46	0.11	8.73e-05	0.0	4.73e-04
4475	144	16.21	6.11	-2.79	1.00e-04	0.0	-7.76e-04
4475	168	9.39	11.22	-3.74	8.48e-06	0.0	-5.61e-04
4475	171	-8.54	-11.74	0.34	9.15e-05	0.0	5.36e-04
4475	176	16.33	6.03	-2.76	9.84e-05	0.0	-7.64e-04
4475	200	9.65	11.12	-3.72	1.31e-05	0.0	-5.64e-04
4475	203	-8.81	-11.65	0.32	8.69e-05	0.0	5.38e-04
4475	216	19.37	7.43	-3.00	-1.16e-05	0.0	-9.65e-04
4475	232	11.50	13.04	-4.06	7.89e-06	0.0	-6.67e-04
4475	235	-10.66	-13.57	0.65	9.21e-05	0.0	6.42e-04
4476	4	0.75	0.42	-3.03	-3.96e-04	-3.40e-05	-2.66e-05
4476	44	0.68	-2.07	-2.30	-2.20e-04	-3.15e-05	6.13e-06
4476	52	0.77	-0.53	-2.87	-3.42e-04	-2.88e-05	-2.10e-05
4476	68	0.54	0.26	-2.16	-2.84e-04	-3.28e-05	-1.88e-05
4476	88	0.49	-1.40	-1.66	-1.67e-04	-3.12e-05	3.00e-06
4476	92	0.54	-0.37	-2.05	-2.48e-04	-2.94e-05	-1.51e-05
4476	98	0.46	-0.30	-1.77	-2.31e-04	-4.31e-05	-1.31e-05
4476	105	0.44	-0.50	-1.67	-2.12e-04	-4.46e-05	-9.30e-06
4476	107	0.44	-0.29	-1.70	-2.23e-04	-4.58e-05	-1.27e-05
4476	112	14.48	5.35	-2.67	-5.47e-04	-1.84e-04	-6.32e-04
4476	136	8.38	9.90	-3.51	-8.49e-04	-1.65e-04	-4.12e-04
4476	139	-7.50	-10.48	0.11	4.03e-04	7.32e-05	3.87e-04
4476	144	16.27	6.05	-2.79	-5.87e-04	-2.01e-04	-7.11e-04
4476	168	9.43	11.18	-3.74	-9.28e-04	-1.80e-04	-4.64e-04
4476	171	-8.54	-11.76	0.34	4.81e-04	8.83e-05	4.38e-04
4476	176	16.39	5.97	-2.76	-5.80e-04	-1.97e-04	-7.00e-04
4476	200	9.69	11.09	-3.72	-9.20e-04	-1.79e-04	-4.66e-04
4476	203	-8.81	-11.67	0.32	4.73e-04	8.78e-05	4.40e-04
4476	216	19.42	7.39	-3.00	-6.58e-04	-2.36e-04	-8.96e-04
4476	232	11.55	13.01	-4.06	-1.04e-03	-2.03e-04	-5.52e-04
4476	235	-10.66	-13.58	0.65	5.89e-04	1.12e-04	5.26e-04
4477	4	0.39	1.11	-2.97	-8.83e-04	0.0	6.95e-05
4477	44	0.35	-3.40	-2.23	3.09e-03	0.0	-2.20e-04
4477	52	0.40	-0.23	-2.80	5.50e-05	0.0	1.05e-06
4477	68	0.27	0.74	-2.13	-5.88e-04	0.0	4.64e-05
4477	88	0.25	-2.28	-1.63	2.06e-03	0.0	-1.47e-04
4477	92	0.28	-0.16	-2.01	3.80e-05	0.0	0.0
4477	98	0.24	-0.13	-1.76	2.95e-05	0.0	0.0
4477	105	0.23	-0.55	-1.66	4.34e-04	0.0	-2.87e-05
4477	107	0.23	-0.13	-1.70	2.78e-05	0.0	0.0
4477	112	12.64	6.20	-3.03	9.02e-05	0.0	-5.33e-04
4477	136	7.29	9.43	-3.79	-1.15e-03	0.0	-3.35e-04
4477	139	-6.83	-9.68	0.39	1.21e-03	0.0	3.36e-04
4477	144	14.22	6.99	-3.20	9.80e-05	0.0	-6.00e-04

4477	168	8.21	10.64	-4.06	-1.30e-03	0.0	-3.78e-04
4477	171	-7.76	-10.89	0.65	1.36e-03	0.0	3.79e-04
4477	176	14.33	6.91	-3.17	8.55e-05	0.0	-5.92e-04
4477	200	8.45	10.59	-4.04	-1.28e-03	0.0	-3.77e-04
4477	203	-8.00	-10.84	0.63	1.34e-03	0.0	3.79e-04
4477	216	17.09	8.57	-3.51	-8.75e-04	0.0	-7.64e-04
4477	232	10.10	12.42	-4.43	-1.50e-03	0.0	-4.48e-04
4477	235	-9.64	-12.67	1.03	1.56e-03	0.0	4.50e-04
4478	4	0.39	1.09	-2.94	-8.60e-04	0.0	6.62e-05
4478	28	0.40	-2.12	-2.58	1.85e-03	0.0	-1.25e-04
4478	44	0.36	-3.34	-2.20	3.03e-03	0.0	-2.09e-04
4478	68	0.28	0.72	-2.10	-5.72e-04	0.0	4.42e-05
4478	80	0.28	-1.42	-1.86	1.23e-03	0.0	-8.32e-05
4478	88	0.25	-2.23	-1.61	2.02e-03	0.0	-1.39e-04
4478	98	0.24	-0.13	-1.74	3.19e-05	0.0	0.0
4478	105	0.23	-0.54	-1.64	4.27e-04	0.0	-2.72e-05
4478	107	0.23	-0.13	-1.68	3.01e-05	0.0	0.0
4478	112	12.64	6.34	-2.94	1.03e-04	0.0	-5.33e-04
4478	136	7.29	9.48	-3.76	-1.12e-03	0.0	-3.35e-04
4478	139	-6.83	-9.73	0.39	1.18e-03	0.0	3.36e-04
4478	144	14.22	7.16	-3.09	1.12e-04	0.0	-6.00e-04
4478	168	8.22	10.70	-4.02	-1.27e-03	0.0	-3.78e-04
4478	171	-7.76	-10.95	0.65	1.33e-03	0.0	3.79e-04
4478	176	14.33	7.07	-3.06	9.91e-05	0.0	-5.92e-04
4478	200	8.45	10.65	-4.00	-1.25e-03	0.0	-3.77e-04
4478	203	-8.00	-10.90	0.63	1.31e-03	0.0	3.79e-04
4478	216	17.10	8.78	-3.37	-8.66e-04	0.0	-7.64e-04
4478	232	10.10	12.49	-4.38	-1.46e-03	0.0	-4.48e-04
4478	235	-9.64	-12.75	1.02	1.52e-03	0.0	4.50e-04
4479	4	0.46	1.56	-2.98	-6.08e-04	0.0	1.40e-04
4479	44	0.42	-4.98	-2.23	2.22e-03	0.0	-4.55e-04
4479	52	0.47	-0.27	-2.80	6.63e-05	0.0	0.0
4479	68	0.33	1.03	-2.13	-4.04e-04	0.0	9.33e-05
4479	88	0.30	-3.33	-1.63	1.48e-03	0.0	-3.03e-04
4479	92	0.33	-0.19	-2.01	4.61e-05	0.0	0.0
4479	98	0.28	-0.15	-1.76	3.67e-05	0.0	0.0
4479	105	0.27	-0.78	-1.66	3.23e-04	0.0	-6.00e-05
4479	107	0.27	-0.14	-1.70	3.48e-05	0.0	0.0
4479	112	13.20	6.53	-3.05	8.26e-05	0.0	-4.16e-04
4479	136	7.61	10.02	-3.80	-9.81e-04	0.0	5.76e-05
4479	139	-7.08	-10.30	0.39	1.05e-03	0.0	-5.61e-05
4479	144	14.85	7.37	-3.21	8.86e-05	0.0	-4.69e-04
4479	168	8.58	11.30	-4.06	-1.11e-03	0.0	6.41e-05
4479	171	-8.04	-11.58	0.66	1.18e-03	0.0	-6.26e-05
4479	176	14.97	7.28	-3.18	7.81e-05	0.0	-4.63e-04
4479	200	8.83	11.24	-4.05	-1.09e-03	0.0	5.42e-05
4479	203	-8.29	-11.52	0.64	1.16e-03	0.0	-5.27e-05
4479	216	17.83	9.00	-3.53	-7.40e-04	0.0	-6.15e-04
4479	232	10.54	13.18	-4.44	-1.28e-03	0.0	5.69e-05
4479	235	-10.00	-13.47	1.03	1.35e-03	0.0	-5.55e-05
4480	4	0.46	1.52	-2.94	-5.84e-04	0.0	1.36e-04
4480	44	0.42	-4.85	-2.20	2.14e-03	0.0	-4.41e-04
4480	52	0.47	-0.27	-2.76	6.62e-05	0.0	0.0
4480	68	0.33	1.00	-2.10	-3.87e-04	0.0	9.07e-05
4480	88	0.30	-3.24	-1.61	1.43e-03	0.0	-2.94e-04
4480	92	0.33	-0.19	-1.98	4.60e-05	0.0	0.0
4480	98	0.28	-0.15	-1.74	3.67e-05	0.0	0.0
4480	105	0.27	-0.76	-1.64	3.12e-04	0.0	-5.82e-05
4480	107	0.27	-0.14	-1.68	3.48e-05	0.0	0.0
4480	112	13.20	6.67	-2.94	9.24e-05	0.0	-4.16e-04
4480	136	7.61	10.05	-3.76	-9.53e-04	0.0	5.74e-05
4480	139	-7.08	-10.33	0.40	1.02e-03	0.0	-5.60e-05
4480	144	14.85	7.53	-3.10	9.96e-05	0.0	-4.69e-04
4480	168	8.58	11.33	-4.02	-1.08e-03	0.0	6.39e-05
4480	171	-8.04	-11.62	0.66	1.15e-03	0.0	-6.24e-05
4480	176	14.97	7.43	-3.06	8.88e-05	0.0	-4.64e-04
4480	200	8.83	11.27	-4.00	-1.06e-03	0.0	5.41e-05
4480	203	-8.29	-11.56	0.63	1.13e-03	0.0	-5.26e-05
4480	216	17.83	9.20	-3.37	-7.31e-04	0.0	-6.16e-04
4480	232	10.54	13.23	-4.38	-1.24e-03	0.0	5.68e-05
4480	235	-10.00	-13.51	1.02	1.31e-03	0.0	-5.53e-05
4481	4	0.53	1.81	-2.98	-1.94e-04	0.0	2.02e-04
4481	44	0.48	-5.92	-2.23	8.72e-04	0.0	-6.74e-04
4481	52	0.54	-0.30	-2.80	7.39e-05	0.0	-2.17e-06
4481	68	0.38	1.19	-2.13	-1.27e-04	0.0	1.34e-04

4481	88	0.34	-3.95	-1.63	5.84e-04	0.0	-4.50e-04
4481	92	0.39	-0.21	-2.01	5.16e-05	0.0	-1.54e-06
4481	98	0.33	-0.17	-1.76	4.16e-05	0.0	-1.22e-06
4481	105	0.31	-0.92	-1.66	1.47e-04	0.0	-9.08e-05
4481	107	0.31	-0.16	-1.70	3.95e-05	0.0	-1.18e-06
4481	112	13.76	6.79	-3.04	6.56e-05	0.0	-4.10e-04
4481	136	7.94	10.48	-3.80	-7.02e-04	0.0	8.99e-05
4481	139	-7.31	-10.80	0.39	7.81e-04	0.0	-9.23e-05
4481	144	15.47	7.66	-3.20	6.89e-05	0.0	-4.61e-04
4481	168	8.94	11.82	-4.06	-7.95e-04	0.0	1.00e-04
4481	171	-8.31	-12.14	0.65	8.74e-04	0.0	-1.03e-04
4481	176	15.59	7.56	-3.17	6.15e-05	0.0	-4.57e-04
4481	200	9.20	11.75	-4.04	-7.84e-04	0.0	8.76e-05
4481	203	-8.57	-12.07	0.63	8.63e-04	0.0	-9.00e-05
4481	216	18.56	9.34	-3.51	-5.24e-04	0.0	-6.10e-04
4481	232	10.98	13.78	-4.44	-9.22e-04	0.0	9.45e-05
4481	235	-10.35	-14.11	1.03	1.00e-03	0.0	-9.69e-05
4482	4	0.53	1.75	-2.94	-1.76e-04	0.0	1.96e-04
4482	44	0.48	-5.72	-2.20	8.08e-04	0.0	-6.56e-04
4482	52	0.54	-0.30	-2.76	7.25e-05	0.0	-2.17e-06
4482	68	0.38	1.15	-2.10	-1.15e-04	0.0	1.31e-04
4482	88	0.34	-3.82	-1.61	5.41e-04	0.0	-4.37e-04
4482	92	0.38	-0.21	-1.98	5.06e-05	0.0	-1.55e-06
4482	98	0.33	-0.17	-1.74	4.07e-05	0.0	-1.23e-06
4482	105	0.31	-0.89	-1.64	1.38e-04	0.0	-8.84e-05
4482	107	0.31	-0.16	-1.68	3.86e-05	0.0	-1.18e-06
4482	112	13.76	6.92	-2.94	7.22e-05	0.0	-4.08e-04
4482	136	7.94	10.49	-3.76	-6.76e-04	0.0	9.14e-05
4482	139	-7.31	-10.81	0.40	7.53e-04	0.0	-9.38e-05
4482	144	15.47	7.81	-3.10	7.64e-05	0.0	-4.60e-04
4482	168	8.94	11.83	-4.02	-7.65e-04	0.0	1.02e-04
4482	171	-8.31	-12.16	0.66	8.42e-04	0.0	-1.04e-04
4482	176	15.59	7.71	-3.06	6.89e-05	0.0	-4.55e-04
4482	200	9.20	11.77	-4.00	-7.55e-04	0.0	8.92e-05
4482	203	-8.57	-12.10	0.63	8.33e-04	0.0	-9.15e-05
4482	216	18.56	9.54	-3.37	-5.15e-04	0.0	-6.08e-04
4482	232	10.98	13.81	-4.39	-8.88e-04	0.0	9.63e-05
4482	235	-10.35	-14.14	1.02	9.65e-04	0.0	-9.87e-05
4483	4	0.61	1.81	-2.98	3.03e-04	0.0	2.61e-04
4483	44	0.55	-6.05	-2.23	-7.58e-04	0.0	-8.92e-04
4483	52	0.62	-0.34	-2.80	7.94e-05	0.0	-6.72e-06
4483	68	0.43	1.19	-2.13	2.04e-04	0.0	1.74e-04
4483	88	0.40	-4.05	-1.63	-5.03e-04	0.0	-5.95e-04
4483	92	0.44	-0.24	-2.01	5.55e-05	0.0	-4.82e-06
4483	98	0.38	-0.19	-1.76	4.51e-05	0.0	-4.11e-06
4483	105	0.36	-0.95	-1.66	-6.75e-05	0.0	-1.22e-04
4483	107	0.36	-0.18	-1.70	4.29e-05	0.0	-3.98e-06
4483	112	14.26	6.94	-3.00	4.29e-05	0.0	-4.01e-04
4483	136	8.23	10.77	-3.78	-3.16e-04	0.0	1.21e-04
4483	139	-7.51	-11.14	0.38	4.02e-04	0.0	-1.29e-04
4483	144	16.03	7.84	-3.16	4.29e-05	0.0	-4.52e-04
4483	168	9.27	12.15	-4.04	-3.61e-04	0.0	1.36e-04
4483	171	-8.54	-12.52	0.64	4.47e-04	0.0	-1.44e-04
4483	176	16.16	7.73	-3.13	3.96e-05	0.0	-4.47e-04
4483	200	9.53	12.08	-4.02	-3.57e-04	0.0	1.21e-04
4483	203	-8.81	-12.45	0.61	4.43e-04	0.0	-1.29e-04
4483	216	19.21	9.56	-3.46	-2.32e-04	0.0	-6.02e-04
4483	232	11.37	14.17	-4.41	-4.24e-04	0.0	1.33e-04
4483	235	-10.65	-14.54	1.01	5.10e-04	0.0	-1.41e-04
4484	4	0.60	1.72	-2.94	2.95e-04	0.0	2.31e-04
4484	44	0.55	-5.75	-2.20	-7.43e-04	0.0	-7.91e-04
4484	52	0.61	-0.34	-2.76	7.73e-05	0.0	-6.86e-06
4484	68	0.43	1.14	-2.10	1.99e-04	0.0	1.54e-04
4484	88	0.39	-3.84	-1.61	-4.93e-04	0.0	-5.28e-04
4484	92	0.44	-0.24	-1.98	5.40e-05	0.0	-4.92e-06
4484	98	0.37	-0.19	-1.74	4.38e-05	0.0	-4.20e-06
4484	105	0.36	-0.91	-1.64	-6.65e-05	0.0	-1.09e-04
4484	107	0.36	-0.18	-1.68	4.16e-05	0.0	-4.06e-06
4484	112	14.25	7.06	-2.94	4.58e-05	0.0	-4.09e-04
4484	136	8.22	10.76	-3.76	-3.29e-04	0.0	1.12e-04
4484	139	-7.51	-11.13	0.40	4.12e-04	0.0	-1.20e-04
4484	144	16.03	7.98	-3.10	4.63e-05	0.0	-4.60e-04
4484	168	9.26	12.14	-4.02	-3.75e-04	0.0	1.25e-04
4484	171	-8.55	-12.51	0.66	4.58e-04	0.0	-1.33e-04
4484	176	16.15	7.87	-3.06	4.28e-05	0.0	-4.55e-04

4484	200	9.53	12.07	-4.00	-3.71e-04	0.0	1.11e-04
4484	203	-8.81	-12.44	0.63	4.54e-04	0.0	-1.19e-04
4484	216	19.19	9.74	-3.37	-2.47e-04	0.0	-6.10e-04
4484	232	11.36	14.17	-4.39	-4.41e-04	0.0	1.21e-04
4484	235	-10.65	-14.54	1.02	5.24e-04	0.0	-1.29e-04
4485	4	0.39	1.07	-2.90	-8.29e-04	0.0	6.29e-05
4485	28	0.41	-2.08	-2.54	1.79e-03	0.0	-1.18e-04
4485	44	0.36	-3.28	-2.16	2.93e-03	0.0	-1.98e-04
4485	68	0.28	0.71	-2.07	-5.51e-04	0.0	4.20e-05
4485	80	0.29	-1.39	-1.83	1.19e-03	0.0	-7.89e-05
4485	88	0.25	-2.19	-1.58	1.96e-03	0.0	-1.32e-04
4485	98	0.24	-0.13	-1.72	3.27e-05	0.0	0.0
4485	105	0.23	-0.54	-1.62	4.15e-04	0.0	-2.58e-05
4485	107	0.23	-0.13	-1.66	3.09e-05	0.0	0.0
4485	112	12.64	6.49	-1.59	1.13e-04	0.0	-5.33e-04
4485	136	7.29	9.53	-3.72	-1.09e-03	0.0	-3.35e-04
4485	139	-6.83	-9.78	0.41	1.16e-03	0.0	3.36e-04
4485	144	14.23	7.32	-1.58	1.24e-04	0.0	-6.00e-04
4485	168	8.22	10.75	-3.98	-1.23e-03	0.0	-3.78e-04
4485	171	-7.76	-11.00	0.66	1.30e-03	0.0	3.79e-04
4485	176	14.34	7.23	-1.61	1.11e-04	0.0	-5.92e-04
4485	200	8.45	10.71	-3.95	-1.22e-03	0.0	-3.77e-04
4485	203	-8.00	-10.96	0.64	1.28e-03	0.0	3.79e-04
4485	216	17.10	8.99	-3.22	-8.56e-04	0.0	-7.63e-04
4485	232	10.10	12.57	-4.34	-1.43e-03	0.0	-4.48e-04
4485	235	-9.64	-12.82	1.02	1.49e-03	0.0	4.50e-04
4486	4	0.46	1.48	-2.90	-5.58e-04	0.0	1.32e-04
4486	44	0.42	-4.72	-2.16	2.05e-03	0.0	-4.28e-04
4486	52	0.47	-0.27	-2.72	6.58e-05	0.0	0.0
4486	68	0.33	0.98	-2.07	-3.70e-04	0.0	8.80e-05
4486	88	0.30	-3.15	-1.58	1.37e-03	0.0	-2.85e-04
4486	92	0.33	-0.19	-1.95	4.57e-05	0.0	0.0
4486	98	0.28	-0.15	-1.72	3.64e-05	0.0	0.0
4486	105	0.27	-0.74	-1.62	3.01e-04	0.0	-5.64e-05
4486	107	0.27	-0.14	-1.66	3.45e-05	0.0	0.0
4486	112	13.20	6.81	-1.59	1.02e-04	0.0	-4.16e-04
4486	136	7.61	10.08	-3.72	-9.23e-04	0.0	5.73e-05
4486	139	-7.08	-10.36	0.40	9.92e-04	0.0	-5.58e-05
4486	144	14.85	7.68	-1.59	1.10e-04	0.0	-4.69e-04
4486	168	8.58	11.37	-3.98	-1.04e-03	0.0	6.37e-05
4486	171	-8.04	-11.65	0.66	1.11e-03	0.0	-6.22e-05
4486	176	14.97	7.59	-1.61	9.92e-05	0.0	-4.64e-04
4486	200	8.83	11.31	-3.95	-1.03e-03	0.0	5.39e-05
4486	203	-8.29	-11.60	0.63	1.10e-03	0.0	-5.24e-05
4486	216	17.83	9.41	-3.21	-7.21e-04	0.0	-6.16e-04
4486	232	10.54	13.28	-4.33	-1.21e-03	0.0	5.66e-05
4486	235	-10.00	-13.56	1.01	1.28e-03	0.0	-5.51e-05
4487	4	0.53	1.69	-2.90	-1.62e-04	0.0	1.91e-04
4487	44	0.48	-5.52	-2.16	7.53e-04	0.0	-6.38e-04
4487	52	0.54	-0.30	-2.72	7.10e-05	0.0	-2.19e-06
4487	68	0.38	1.12	-2.07	-1.06e-04	0.0	1.27e-04
4487	88	0.34	-3.69	-1.58	5.04e-04	0.0	-4.25e-04
4487	92	0.38	-0.21	-1.95	4.95e-05	0.0	-1.56e-06
4487	98	0.32	-0.17	-1.72	3.97e-05	0.0	-1.23e-06
4487	105	0.31	-0.86	-1.62	1.30e-04	0.0	-8.60e-05
4487	107	0.31	-0.16	-1.66	3.77e-05	0.0	-1.19e-06
4487	112	13.76	7.05	-1.58	8.00e-05	0.0	-4.07e-04
4487	136	7.93	10.50	-3.72	-6.65e-04	0.0	9.29e-05
4487	139	-7.31	-10.82	0.41	7.40e-04	0.0	-9.53e-05
4487	144	15.47	7.96	-1.57	8.53e-05	0.0	-4.59e-04
4487	168	8.94	11.85	-3.98	-7.53e-04	0.0	1.04e-04
4487	171	-8.32	-12.17	0.67	8.28e-04	0.0	-1.06e-04
4487	176	15.59	7.86	-1.60	7.74e-05	0.0	-4.54e-04
4487	200	9.20	11.79	-3.95	-7.43e-04	0.0	9.08e-05
4487	203	-8.57	-12.11	0.64	8.19e-04	0.0	-9.31e-05
4487	216	18.56	9.74	-3.24	-5.17e-04	0.0	-6.07e-04
4487	232	10.98	13.84	-4.34	-8.74e-04	0.0	9.81e-05
4487	235	-10.35	-14.16	1.02	9.50e-04	0.0	-1.00e-04
4488	4	0.59	1.67	-2.90	2.91e-04	0.0	2.04e-04
4488	44	0.54	-5.57	-2.16	-7.39e-04	0.0	-7.01e-04
4488	52	0.61	-0.34	-2.72	7.52e-05	0.0	-6.98e-06
4488	68	0.42	1.10	-2.07	1.97e-04	0.0	1.35e-04
4488	88	0.39	-3.73	-1.58	-4.90e-04	0.0	-4.68e-04
4488	92	0.43	-0.24	-1.95	5.25e-05	0.0	-5.01e-06
4488	98	0.36	-0.19	-1.71	4.24e-05	0.0	-4.28e-06

4488	105	0.35	-0.89	-1.62	-6.69e-05	0.0	-9.67e-05
4488	107	0.35	-0.18	-1.66	4.03e-05	0.0	-4.14e-06
4488	112	14.25	7.21	-1.55	4.83e-05	0.0	-4.16e-04
4488	136	8.22	10.78	-3.74	-3.37e-04	0.0	1.03e-04
4488	139	-7.52	-11.14	0.42	4.18e-04	0.0	-1.11e-04
4488	144	16.02	8.14	-1.53	4.93e-05	0.0	-4.68e-04
4488	168	9.25	12.16	-4.00	-3.85e-04	0.0	1.15e-04
4488	171	-8.55	-12.52	0.68	4.65e-04	0.0	-1.23e-04
4488	176	16.14	8.03	-1.56	4.55e-05	0.0	-4.63e-04
4488	200	9.52	12.10	-3.97	-3.81e-04	0.0	1.01e-04
4488	203	-8.82	-12.46	0.66	4.61e-04	0.0	-1.09e-04
4488	216	19.19	9.95	-3.30	-2.58e-04	0.0	-6.19e-04
4488	232	11.36	14.20	-4.36	-4.52e-04	0.0	1.10e-04
4488	235	-10.66	-14.57	1.04	5.32e-04	0.0	-1.19e-04
4489	4	0.66	1.48	-2.98	7.06e-04	0.0	1.65e-04
4489	44	0.61	-5.08	-2.23	-2.09e-03	0.0	-5.97e-04
4489	52	0.68	-0.39	-2.80	8.26e-05	0.0	-1.27e-05
4489	68	0.47	0.97	-2.13	4.73e-04	0.0	1.09e-04
4489	88	0.43	-3.40	-1.63	-1.39e-03	0.0	-3.99e-04
4489	92	0.48	-0.27	-2.01	5.78e-05	0.0	-9.15e-06
4489	98	0.41	-0.22	-1.76	4.71e-05	0.0	-7.92e-06
4489	105	0.39	-0.84	-1.66	-2.43e-04	0.0	-8.57e-05
4489	107	0.39	-0.21	-1.70	4.49e-05	0.0	-7.66e-06
4489	112	14.34	6.93	-2.99	5.32e-05	0.0	-4.44e-04
4489	136	8.29	10.79	-3.78	-3.56e-06	0.0	6.65e-05
4489	139	-7.50	-11.21	0.37	9.33e-05	0.0	-8.19e-05
4489	144	16.12	7.83	-3.15	5.41e-05	0.0	-4.99e-04
4489	168	9.33	12.18	-4.04	-9.51e-06	0.0	7.50e-05
4489	171	-8.54	-12.60	0.63	9.93e-05	0.0	-9.03e-05
4489	176	16.25	7.73	-3.12	5.26e-05	0.0	-4.93e-04
4489	200	9.60	12.11	-4.02	-7.88e-06	0.0	6.31e-05
4489	203	-8.81	-12.53	0.61	9.76e-05	0.0	-7.84e-05
4489	216	19.29	9.57	-3.44	-1.62e-05	0.0	-6.54e-04
4489	232	11.44	14.21	-4.41	-1.67e-05	0.0	6.75e-05
4489	235	-10.65	-14.63	1.00	1.06e-04	0.0	-8.28e-05
4490	4	0.66	1.43	-2.94	6.74e-04	0.0	1.74e-04
4490	44	0.60	-4.93	-2.20	-1.99e-03	0.0	-6.27e-04
4490	52	0.67	-0.38	-2.76	8.00e-05	0.0	-1.26e-05
4490	68	0.47	0.94	-2.10	4.52e-04	0.0	1.15e-04
4490	88	0.43	-3.30	-1.61	-1.33e-03	0.0	-4.19e-04
4490	92	0.48	-0.27	-1.98	5.60e-05	0.0	-9.04e-06
4490	98	0.41	-0.22	-1.74	4.55e-05	0.0	-7.82e-06
4490	105	0.39	-0.82	-1.64	-2.32e-04	0.0	-8.96e-05
4490	107	0.39	-0.21	-1.68	4.33e-05	0.0	-7.57e-06
4490	112	14.34	7.08	-2.94	3.44e-05	0.0	-4.41e-04
4490	136	8.29	10.82	-3.76	-4.47e-05	0.0	6.94e-05
4490	139	-7.51	-11.23	0.40	1.31e-04	0.0	-8.45e-05
4490	144	16.12	8.00	-3.10	3.31e-05	0.0	-4.96e-04
4490	168	9.32	12.22	-4.02	-5.58e-05	0.0	7.82e-05
4490	171	-8.54	-12.63	0.66	1.42e-04	0.0	-9.33e-05
4490	176	16.24	7.89	-3.07	3.15e-05	0.0	-4.90e-04
4490	200	9.59	12.15	-4.00	-5.48e-05	0.0	6.60e-05
4490	203	-8.81	-12.56	0.63	1.41e-04	0.0	-8.12e-05
4490	216	19.28	9.79	-3.38	-4.03e-05	0.0	-6.50e-04
4490	232	11.43	14.26	-4.39	-7.14e-05	0.0	7.08e-05
4490	235	-10.66	-14.67	1.02	1.58e-04	0.0	-8.59e-05
4491	4	0.71	1.01	-2.98	9.33e-04	0.0	7.53e-05
4491	44	0.65	-3.67	-2.23	-2.84e-03	0.0	-3.24e-04
4491	52	0.73	-0.43	-2.80	8.39e-05	0.0	-1.88e-05
4491	68	0.51	0.66	-2.13	6.25e-04	0.0	4.92e-05
4491	88	0.46	-2.46	-1.63	-1.89e-03	0.0	-2.17e-04
4491	92	0.52	-0.30	-2.01	5.87e-05	0.0	-1.35e-05
4491	98	0.44	-0.24	-1.76	4.79e-05	0.0	-1.17e-05
4491	105	0.42	-0.67	-1.66	-3.43e-04	0.0	-5.22e-05
4491	107	0.42	-0.23	-1.70	4.57e-05	0.0	-1.13e-05
4491	112	14.42	6.87	-2.98	1.56e-04	0.0	-6.00e-04
4491	136	8.34	10.72	-3.77	1.52e-04	0.0	-3.85e-04
4491	139	-7.50	-11.18	0.37	-6.08e-05	0.0	3.62e-04
4491	144	16.20	7.76	-3.14	1.70e-04	0.0	-6.74e-04
4491	168	9.38	12.10	-4.03	1.66e-04	0.0	-4.33e-04
4491	171	-8.54	-12.56	0.63	-7.42e-05	0.0	4.10e-04
4491	176	16.32	7.66	-3.11	1.66e-04	0.0	-6.63e-04
4491	200	9.65	12.03	-4.01	1.65e-04	0.0	-4.30e-04
4491	203	-8.81	-12.49	0.60	-7.41e-05	0.0	4.07e-04
4491	216	19.36	9.52	-3.43	1.81e-05	0.0	-8.52e-04

4491	232	11.50	14.12	-4.40	1.86e-04	0.0	-5.08e-04
4491	235	-10.66	-14.58	0.99	-9.45e-05	0.0	4.85e-04
4492	4	0.71	1.00	-2.94	8.94e-04	0.0	8.55e-05
4492	44	0.65	-3.60	-2.20	-2.72e-03	0.0	-3.57e-04
4492	52	0.72	-0.42	-2.76	8.09e-05	0.0	-1.85e-05
4492	68	0.51	0.65	-2.10	5.99e-04	0.0	5.61e-05
4492	88	0.46	-2.41	-1.61	-1.81e-03	0.0	-2.39e-04
4492	92	0.51	-0.30	-1.98	5.66e-05	0.0	-1.33e-05
4492	98	0.44	-0.24	-1.74	4.61e-05	0.0	-1.16e-05
4492	105	0.42	-0.66	-1.64	-3.29e-04	0.0	-5.65e-05
4492	107	0.42	-0.23	-1.68	4.38e-05	0.0	-1.12e-05
4492	112	14.41	7.03	-2.94	1.31e-04	0.0	-5.99e-04
4492	136	8.34	10.77	-3.76	1.09e-04	0.0	-3.85e-04
4492	139	-7.50	-11.23	0.40	-2.08e-05	0.0	3.62e-04
4492	144	16.20	7.94	-3.10	1.41e-04	0.0	-6.73e-04
4492	168	9.38	12.16	-4.02	1.17e-04	0.0	-4.32e-04
4492	171	-8.54	-12.61	0.66	-2.90e-05	0.0	4.10e-04
4492	176	16.32	7.84	-3.07	1.38e-04	0.0	-6.62e-04
4492	200	9.65	12.09	-4.00	1.17e-04	0.0	-4.30e-04
4492	203	-8.81	-12.55	0.63	-2.93e-05	0.0	4.07e-04
4492	216	19.36	9.75	-3.38	8.38e-06	0.0	-8.52e-04
4492	232	11.50	14.20	-4.39	1.30e-04	0.0	-5.07e-04
4492	235	-10.66	-14.65	1.02	-4.21e-05	0.0	4.85e-04
4493	4	0.76	0.47	-2.98	-3.67e-04	1.07e-04	-1.42e-05
4493	44	0.69	-2.01	-2.23	-1.91e-04	1.07e-04	-5.74e-05
4493	52	0.77	-0.47	-2.80	-3.13e-04	1.11e-04	-2.62e-05
4493	68	0.54	0.30	-2.13	-2.63e-04	7.49e-05	-1.08e-05
4493	88	0.49	-1.36	-1.63	-1.46e-04	7.54e-05	-3.96e-05
4493	92	0.55	-0.33	-2.01	-2.27e-04	7.81e-05	-1.88e-05
4493	98	0.47	-0.27	-1.76	-2.10e-04	6.45e-05	-1.64e-05
4493	105	0.45	-0.47	-1.66	-1.91e-04	6.27e-05	-2.04e-05
4493	107	0.45	-0.25	-1.70	-2.03e-04	6.15e-05	-1.59e-05
4493	112	14.48	6.76	-2.97	-1.94e-04	1.12e-04	-6.21e-04
4493	136	8.39	10.58	-3.77	-8.66e-04	1.76e-05	-4.00e-04
4493	139	-7.49	-11.09	0.36	4.60e-04	1.05e-04	3.68e-04
4493	144	16.27	7.65	-3.13	-1.93e-04	1.19e-04	-6.98e-04
4493	168	9.43	11.95	-4.03	-9.49e-04	1.20e-05	-4.49e-04
4493	171	-8.54	-12.45	0.62	5.43e-04	1.11e-04	4.17e-04
4493	176	16.40	7.54	-3.10	-2.00e-04	1.13e-04	-6.88e-04
4493	200	9.70	11.88	-4.01	-9.40e-04	1.15e-05	-4.50e-04
4493	203	-8.80	-12.39	0.60	5.34e-04	1.12e-04	4.19e-04
4493	216	19.43	9.42	-3.42	-6.94e-04	1.18e-04	-8.82e-04
4493	232	11.55	13.95	-4.40	-1.06e-03	3.03e-06	-5.33e-04
4493	235	-10.66	-14.46	0.99	6.57e-04	1.20e-04	5.01e-04
4494	4	0.76	0.48	-2.94	-3.64e-04	1.28e-04	-2.24e-05
4494	44	0.69	-2.01	-2.20	-1.88e-04	1.28e-04	-2.57e-05
4494	52	0.77	-0.46	-2.76	-3.09e-04	1.33e-04	-2.52e-05
4494	68	0.54	0.31	-2.10	-2.60e-04	9.12e-05	-1.62e-05
4494	88	0.49	-1.35	-1.61	-1.43e-04	9.13e-05	-1.84e-05
4494	92	0.55	-0.32	-1.98	-2.24e-04	9.43e-05	-1.81e-05
4494	98	0.47	-0.26	-1.74	-2.07e-04	8.06e-05	-1.58e-05
4494	105	0.45	-0.46	-1.64	-1.88e-04	7.88e-05	-1.56e-05
4494	107	0.45	-0.25	-1.68	-2.00e-04	7.76e-05	-1.53e-05
4494	112	14.49	6.94	-2.95	-1.87e-04	1.27e-04	-6.29e-04
4494	136	8.39	10.67	-3.76	-8.68e-04	3.64e-05	-4.07e-04
4494	139	-7.49	-11.17	0.40	4.67e-04	1.19e-04	3.76e-04
4494	144	16.27	7.85	-3.10	-1.86e-04	1.33e-04	-7.06e-04
4494	168	9.43	12.05	-4.02	-9.51e-04	3.11e-05	-4.57e-04
4494	171	-8.54	-12.54	0.66	5.51e-04	1.24e-04	4.27e-04
4494	176	16.40	7.74	-3.07	-1.93e-04	1.28e-04	-6.96e-04
4494	200	9.70	11.98	-4.00	-9.42e-04	3.06e-05	-4.59e-04
4494	203	-8.80	-12.48	0.63	5.42e-04	1.25e-04	4.29e-04
4494	216	19.43	9.67	-3.38	-6.99e-04	1.32e-04	-8.91e-04
4494	232	11.55	14.07	-4.39	-1.07e-03	2.26e-05	-5.43e-04
4494	235	-10.66	-14.57	1.02	6.66e-04	1.33e-04	5.13e-04
4495	4	0.65	1.37	-2.90	6.50e-04	0.0	1.84e-04
4495	44	0.60	-4.70	-2.16	-1.92e-03	0.0	-6.58e-04
4495	52	0.67	-0.38	-2.72	7.77e-05	0.0	-1.25e-05
4495	68	0.47	0.90	-2.07	4.36e-04	0.0	1.22e-04
4495	88	0.43	-3.15	-1.58	-1.28e-03	0.0	-4.39e-04
4495	92	0.47	-0.26	-1.95	5.43e-05	0.0	-8.95e-06
4495	98	0.40	-0.21	-1.71	4.40e-05	0.0	-7.74e-06
4495	105	0.39	-0.79	-1.62	-2.24e-04	0.0	-9.37e-05
4495	107	0.39	-0.20	-1.66	4.19e-05	0.0	-7.49e-06
4495	112	14.33	7.22	-1.53	2.63e-05	0.0	-4.38e-04

4495	136	8.28	10.84	-3.74	-7.39e-05	0.0	7.24e-05
4495	139	-7.51	-11.25	0.43	1.58e-04	0.0	-8.74e-05
4495	144	16.11	8.16	-1.52	2.42e-05	0.0	-4.93e-04
4495	168	9.32	12.24	-4.00	-8.84e-05	0.0	8.15e-05
4495	171	-8.55	-12.64	0.69	1.72e-04	0.0	-9.65e-05
4495	176	16.23	8.05	-1.54	2.29e-05	0.0	-4.87e-04
4495	200	9.59	12.17	-3.98	-8.74e-05	0.0	6.92e-05
4495	203	-8.81	-12.58	0.66	1.71e-04	0.0	-8.41e-05
4495	216	19.28	10.00	-3.32	-5.85e-05	0.0	-6.47e-04
4495	232	11.43	14.29	-4.37	-1.09e-04	0.0	7.43e-05
4495	235	-10.66	-14.70	1.05	1.93e-04	0.0	-8.93e-05
4496	4	0.71	0.96	-2.90	8.54e-04	0.0	9.55e-05
4496	44	0.64	-3.46	-2.16	-2.60e-03	0.0	-3.89e-04
4496	52	0.72	-0.42	-2.72	7.86e-05	0.0	-1.83e-05
4496	68	0.50	0.63	-2.07	5.72e-04	0.0	6.27e-05
4496	88	0.46	-2.32	-1.58	-1.73e-03	0.0	-2.60e-04
4496	92	0.51	-0.29	-1.95	5.50e-05	0.0	-1.32e-05
4496	98	0.44	-0.24	-1.71	4.46e-05	0.0	-1.14e-05
4496	105	0.42	-0.64	-1.62	-3.13e-04	0.0	-6.08e-05
4496	107	0.42	-0.22	-1.66	4.24e-05	0.0	-1.11e-05
4496	112	14.41	7.19	-1.52	1.03e-04	0.0	-5.99e-04
4496	136	8.34	10.82	-3.75	6.44e-05	0.0	-3.84e-04
4496	139	-7.50	-11.27	0.43	2.05e-05	0.0	3.62e-04
4496	144	16.20	8.12	-1.51	1.11e-04	0.0	-6.73e-04
4496	168	9.38	12.22	-4.01	6.71e-05	0.0	-4.32e-04
4496	171	-8.54	-12.67	0.69	1.78e-05	0.0	4.10e-04
4496	176	16.32	8.01	-1.53	1.08e-04	0.0	-6.62e-04
4496	200	9.65	12.16	-3.98	6.71e-05	0.0	-4.30e-04
4496	203	-8.81	-12.60	0.67	1.78e-05	0.0	4.07e-04
4496	216	19.36	9.98	-3.34	-2.11e-06	0.0	-8.51e-04
4496	232	11.49	14.28	-4.37	7.17e-05	0.0	-5.07e-04
4496	235	-10.66	-14.73	1.06	1.32e-05	0.0	4.85e-04
4497	4	0.76	0.49	-2.90	-3.60e-04	1.49e-04	-3.04e-05
4497	44	0.69	-2.00	-2.16	-1.84e-04	1.49e-04	3.79e-06
4497	52	0.77	-0.46	-2.72	-3.06e-04	1.53e-04	-2.45e-05
4497	68	0.54	0.31	-2.07	-2.58e-04	1.07e-04	-2.15e-05
4497	88	0.49	-1.35	-1.58	-1.41e-04	1.07e-04	1.25e-06
4497	92	0.55	-0.32	-1.95	-2.21e-04	1.10e-04	-1.76e-05
4497	98	0.47	-0.26	-1.71	-2.04e-04	9.65e-05	-1.54e-05
4497	105	0.45	-0.46	-1.62	-1.86e-04	9.46e-05	-1.14e-05
4497	107	0.45	-0.24	-1.66	-1.98e-04	9.34e-05	-1.49e-05
4497	112	14.49	7.12	-1.52	-1.80e-04	1.54e-04	-6.37e-04
4497	136	8.39	10.75	-3.75	-8.70e-04	8.76e-06	-4.16e-04
4497	139	-7.49	-11.24	0.43	4.75e-04	1.78e-04	3.87e-04
4497	144	16.28	8.05	-1.50	-1.78e-04	1.61e-04	-7.16e-04
4497	168	9.43	12.14	-4.01	-9.54e-04	-1.87e-06	-4.68e-04
4497	171	-8.53	-12.63	0.70	5.59e-04	1.89e-04	4.38e-04
4497	176	16.40	7.94	-1.52	-1.86e-04	1.57e-04	-7.05e-04
4497	200	9.70	12.08	-3.99	-9.45e-04	0.0	-4.70e-04
4497	203	-8.80	-12.57	0.67	5.50e-04	1.87e-04	4.40e-04
4497	216	19.43	9.93	-3.35	-7.04e-04	-3.39e-05	-9.02e-04
4497	232	11.55	14.19	-4.38	-1.07e-03	-1.67e-05	-5.57e-04
4497	235	-10.66	-14.68	1.06	6.74e-04	2.03e-04	5.27e-04
4498	4	0.41	0.67	-2.33	-1.60e-04	0.0	8.78e-05
4498	28	0.43	-1.20	-1.94	3.88e-04	0.0	-1.78e-04
4498	44	0.38	-1.83	-1.59	6.14e-04	0.0	-2.96e-04
4498	68	0.29	0.44	-1.65	-1.06e-04	0.0	5.82e-05
4498	80	0.30	-0.81	-1.39	2.59e-04	0.0	-1.19e-04
4498	88	0.27	-1.23	-1.16	4.10e-04	0.0	-1.98e-04
4498	98	0.25	-0.12	-1.32	2.03e-05	0.0	-1.59e-06
4498	105	0.24	-0.33	-1.23	9.63e-05	0.0	-4.08e-05
4498	107	0.24	-0.11	-1.27	1.89e-05	0.0	-1.67e-06
4498	112	12.81	7.58	-2.99	1.11e-04	0.0	-5.14e-04
4498	136	7.39	9.87	-3.62	-7.34e-04	0.0	-3.18e-04
4498	139	-6.90	-10.09	1.07	7.72e-04	0.0	3.14e-04
4498	144	14.41	8.55	-3.20	1.22e-04	0.0	-5.78e-04
4498	168	8.33	11.14	-3.91	-8.29e-04	0.0	-3.59e-04
4498	171	-7.84	-11.36	1.37	8.66e-04	0.0	3.55e-04
4498	176	14.52	8.45	-3.17	1.11e-04	0.0	-5.71e-04
4498	200	8.57	11.12	-3.90	-8.19e-04	0.0	-3.59e-04
4498	203	-8.08	-11.34	1.36	8.57e-04	0.0	3.56e-04
4498	216	17.32	10.60	-3.63	-6.38e-04	0.0	-7.33e-04
4498	232	10.23	13.07	-4.35	-9.61e-04	0.0	-4.27e-04
4498	235	-9.75	-13.29	1.81	9.98e-04	0.0	4.24e-04
4499	4	0.41	0.62	-2.23	-8.46e-05	0.0	8.03e-05

4499	28	0.42	-1.10	-1.84	2.44e-04	0.0	-1.62e-04
4499	44	0.38	-1.67	-1.50	3.72e-04	0.0	-2.70e-04
4499	68	0.29	0.41	-1.58	-5.58e-05	0.0	5.32e-05
4499	80	0.30	-0.74	-1.32	1.63e-04	0.0	-1.08e-04
4499	88	0.27	-1.12	-1.09	2.48e-04	0.0	-1.80e-04
4499	98	0.25	-0.12	-1.26	2.17e-05	0.0	-1.54e-06
4499	105	0.24	-0.31	-1.17	6.50e-05	0.0	-3.73e-05
4499	107	0.24	-0.11	-1.21	2.02e-05	0.0	-1.66e-06
4499	112	12.81	7.84	-0.88	1.18e-04	0.0	-5.06e-04
4499	136	7.39	9.97	-3.51	-6.79e-04	0.0	-3.13e-04
4499	139	-6.91	-10.19	1.09	7.19e-04	0.0	3.10e-04
4499	144	14.42	8.85	-0.84	1.31e-04	0.0	-5.70e-04
4499	168	8.33	11.25	-3.80	-7.67e-04	0.0	-3.53e-04
4499	171	-7.85	-11.47	1.38	8.07e-04	0.0	3.50e-04
4499	176	14.53	8.75	-0.88	1.20e-04	0.0	-5.63e-04
4499	200	8.57	11.23	-3.77	-7.59e-04	0.0	-3.54e-04
4499	203	-8.09	-11.45	1.36	7.99e-04	0.0	3.51e-04
4499	216	17.33	10.98	-3.26	-6.06e-04	0.0	-7.23e-04
4499	232	10.24	13.22	-4.21	-8.90e-04	0.0	-4.21e-04
4499	235	-9.75	-13.43	1.79	9.31e-04	0.0	4.18e-04
4500	4	0.45	0.75	-2.33	-1.06e-04	0.0	1.57e-04
4500	28	0.47	-1.39	-1.94	3.01e-04	0.0	-2.93e-04
4500	44	0.43	-2.13	-1.59	4.63e-04	0.0	-4.93e-04
4500	68	0.32	0.49	-1.65	-7.01e-05	0.0	1.05e-04
4500	80	0.34	-0.93	-1.40	2.01e-04	0.0	-1.95e-04
4500	88	0.30	-1.43	-1.16	3.10e-04	0.0	-3.29e-04
4500	98	0.28	-0.13	-1.32	2.39e-05	0.0	3.60e-06
4500	105	0.27	-0.38	-1.23	7.89e-05	0.0	-6.31e-05
4500	107	0.27	-0.12	-1.27	2.24e-05	0.0	3.31e-06
4500	112	13.28	7.81	-2.97	9.49e-05	0.0	-4.02e-04
4500	136	7.66	10.24	-3.62	-6.86e-04	0.0	3.92e-05
4500	139	-7.13	-10.48	1.07	7.30e-04	0.0	-3.26e-05
4500	144	14.94	8.81	-3.19	1.04e-04	0.0	-4.54e-04
4500	168	8.63	11.56	-3.91	-7.74e-04	0.0	4.33e-05
4500	171	-8.10	-11.80	1.36	8.19e-04	0.0	-3.67e-05
4500	176	15.06	8.70	-3.15	9.27e-05	0.0	-4.49e-04
4500	200	8.88	11.53	-3.90	-7.65e-04	0.0	3.62e-05
4500	203	-8.35	-11.77	1.35	8.10e-04	0.0	-2.96e-05
4500	216	17.94	10.92	-3.61	-5.75e-04	0.0	-5.88e-04
4500	232	10.60	13.56	-4.35	-8.97e-04	0.0	3.69e-05
4500	235	-10.07	-13.80	1.80	9.42e-04	0.0	-3.03e-05
4501	4	0.45	0.66	-2.23	-5.41e-05	0.0	1.47e-04
4501	28	0.47	-1.23	-1.84	2.03e-04	0.0	-2.72e-04
4501	44	0.43	-1.86	-1.50	2.98e-04	0.0	-4.59e-04
4501	68	0.32	0.43	-1.58	-3.52e-05	0.0	9.82e-05
4501	80	0.33	-0.82	-1.32	1.36e-04	0.0	-1.81e-04
4501	88	0.30	-1.24	-1.09	2.00e-04	0.0	-3.06e-04
4501	98	0.28	-0.13	-1.26	2.55e-05	0.0	3.89e-06
4501	105	0.27	-0.34	-1.17	5.81e-05	0.0	-5.82e-05
4501	107	0.27	-0.12	-1.21	2.38e-05	0.0	3.58e-06
4501	112	13.28	8.06	-0.88	1.06e-04	0.0	-4.00e-04
4501	136	7.66	10.31	-3.51	-6.40e-04	0.0	3.78e-05
4501	139	-7.12	-10.56	1.09	6.88e-04	0.0	-3.06e-05
4501	144	14.94	9.09	-0.84	1.16e-04	0.0	-4.51e-04
4501	168	8.63	11.63	-3.80	-7.23e-04	0.0	4.17e-05
4501	171	-8.10	-11.88	1.38	7.71e-04	0.0	-3.45e-05
4501	176	15.05	8.98	-0.88	1.06e-04	0.0	-4.46e-04
4501	200	8.88	11.62	-3.77	-7.15e-04	0.0	3.49e-05
4501	203	-8.35	-11.86	1.35	7.63e-04	0.0	-2.77e-05
4501	216	17.94	11.28	-3.26	-5.55e-04	0.0	-5.84e-04
4501	232	10.60	13.66	-4.20	-8.40e-04	0.0	3.54e-05
4501	235	-10.07	-13.91	1.79	8.87e-04	0.0	-2.83e-05
4502	4	0.50	0.79	-2.34	-4.45e-05	0.0	1.97e-04
4502	28	0.52	-1.53	-1.95	1.99e-04	0.0	-3.74e-04
4502	44	0.47	-2.35	-1.60	2.89e-04	0.0	-6.28e-04
4502	68	0.36	0.52	-1.66	-2.86e-05	0.0	1.31e-04
4502	80	0.37	-1.03	-1.40	1.34e-04	0.0	-2.49e-04
4502	88	0.34	-1.57	-1.17	1.93e-04	0.0	-4.19e-04
4502	98	0.31	-0.14	-1.33	2.85e-05	0.0	3.73e-06
4502	105	0.30	-0.42	-1.24	5.91e-05	0.0	-8.09e-05
4502	107	0.29	-0.13	-1.28	2.68e-05	0.0	3.45e-06
4502	112	13.72	8.00	-2.96	8.82e-05	0.0	-4.03e-04
4502	136	7.91	10.59	-3.61	-6.24e-04	0.0	5.38e-05
4502	139	-7.32	-10.85	1.06	6.78e-04	0.0	-4.69e-05
4502	144	15.44	9.03	-3.17	9.59e-05	0.0	-4.54e-04

4502	168	8.91	11.94	-3.91	-7.06e-04	0.0	5.95e-05
4502	171	-8.32	-12.21	1.35	7.59e-04	0.0	-5.26e-05
4502	176	15.55	8.92	-3.13	8.55e-05	0.0	-4.50e-04
4502	200	9.17	11.91	-3.89	-6.97e-04	0.0	5.09e-05
4502	203	-8.58	-12.18	1.33	7.50e-04	0.0	-4.40e-05
4502	216	18.52	11.19	-3.58	-5.14e-04	0.0	-5.91e-04
4502	232	10.95	14.01	-4.34	-8.18e-04	0.0	5.28e-05
4502	235	-10.36	-14.27	1.78	8.72e-04	0.0	-4.59e-05
4503	4	0.50	0.68	-2.23	-2.11e-05	0.0	1.84e-04
4503	28	0.53	-1.32	-1.84	1.42e-04	0.0	-3.47e-04
4503	44	0.47	-1.99	-1.50	1.96e-04	0.0	-5.83e-04
4503	68	0.36	0.45	-1.58	-1.31e-05	0.0	1.23e-04
4503	80	0.37	-0.89	-1.32	9.59e-05	0.0	-2.31e-04
4503	88	0.34	-1.34	-1.09	1.32e-04	0.0	-3.89e-04
4503	98	0.31	-0.14	-1.26	2.66e-05	0.0	3.86e-06
4503	105	0.30	-0.37	-1.17	4.54e-05	0.0	-7.48e-05
4503	107	0.30	-0.13	-1.21	2.50e-05	0.0	3.59e-06
4503	112	13.73	8.25	-0.88	9.68e-05	0.0	-4.09e-04
4503	136	7.91	10.63	-3.51	-5.97e-04	0.0	4.91e-05
4503	139	-7.32	-10.90	1.09	6.47e-04	0.0	-4.19e-05
4503	144	15.44	9.31	-0.84	1.06e-04	0.0	-4.62e-04
4503	168	8.92	12.00	-3.80	-6.75e-04	0.0	5.42e-05
4503	171	-8.33	-12.27	1.38	7.24e-04	0.0	-4.70e-05
4503	176	15.56	9.20	-0.88	9.56e-05	0.0	-4.58e-04
4503	200	9.17	11.97	-3.77	-6.66e-04	0.0	4.60e-05
4503	203	-8.58	-12.24	1.35	7.16e-04	0.0	-3.88e-05
4503	216	18.52	11.55	-3.26	-5.09e-04	0.0	-5.98e-04
4503	232	10.95	14.09	-4.20	-7.83e-04	0.0	4.74e-05
4503	235	-10.36	-14.36	1.78	8.33e-04	0.0	-4.02e-05
4504	4	0.56	0.81	-2.35	4.03e-05	0.0	2.23e-04
4504	28	0.57	-1.63	-1.96	5.01e-05	0.0	-4.45e-04
4504	44	0.51	-2.49	-1.61	3.51e-05	0.0	-7.42e-04
4504	68	0.40	0.53	-1.67	2.85e-05	0.0	1.49e-04
4504	80	0.41	-1.10	-1.41	3.50e-05	0.0	-2.97e-04
4504	88	0.37	-1.67	-1.18	2.49e-05	0.0	-4.95e-04
4504	98	0.34	-0.16	-1.34	3.31e-05	0.0	0.0
4504	105	0.33	-0.45	-1.24	2.90e-05	0.0	-9.86e-05
4504	107	0.33	-0.15	-1.29	3.13e-05	0.0	0.0
4504	112	14.16	8.19	-2.93	9.24e-05	0.0	-4.05e-04
4504	136	8.16	10.90	-3.61	-5.28e-04	0.0	6.51e-05
4504	139	-7.51	-11.19	1.04	5.91e-04	0.0	-6.47e-05
4504	144	15.92	9.24	-3.14	1.00e-04	0.0	-4.56e-04
4504	168	9.19	12.30	-3.90	-5.98e-04	0.0	7.24e-05
4504	171	-8.54	-12.59	1.33	6.61e-04	0.0	-7.20e-05
4504	176	16.04	9.12	-3.10	9.19e-05	0.0	-4.53e-04
4504	200	9.46	12.26	-3.89	-5.91e-04	0.0	6.25e-05
4504	203	-8.81	-12.56	1.31	6.54e-04	0.0	-6.22e-05
4504	216	19.08	11.44	-3.54	-4.47e-04	0.0	-5.98e-04
4504	232	11.28	14.42	-4.33	-6.96e-04	0.0	6.62e-05
4504	235	-10.63	-14.71	1.75	7.59e-04	0.0	-6.58e-05
4505	4	0.56	0.68	-2.23	1.81e-05	0.0	1.91e-04
4505	28	0.58	-1.38	-1.84	7.09e-05	0.0	-3.79e-04
4505	44	0.52	-2.07	-1.50	7.57e-05	0.0	-6.33e-04
4505	68	0.40	0.45	-1.58	1.33e-05	0.0	1.27e-04
4505	80	0.41	-0.93	-1.32	4.85e-05	0.0	-2.53e-04
4505	88	0.37	-1.39	-1.09	5.17e-05	0.0	-4.22e-04
4505	98	0.34	-0.16	-1.26	2.82e-05	0.0	0.0
4505	105	0.33	-0.39	-1.17	3.06e-05	0.0	-8.39e-05
4505	107	0.33	-0.15	-1.21	2.66e-05	0.0	0.0
4505	112	14.14	8.43	-0.88	9.89e-05	0.0	-4.27e-04
4505	136	8.15	10.93	-3.51	-5.50e-04	0.0	5.26e-05
4505	139	-7.50	-11.22	1.09	6.03e-04	0.0	-5.18e-05
4505	144	15.91	9.51	-0.84	1.08e-04	0.0	-4.81e-04
4505	168	9.18	12.33	-3.79	-6.22e-04	0.0	5.85e-05
4505	171	-8.53	-12.63	1.37	6.76e-04	0.0	-5.77e-05
4505	176	16.03	9.39	-0.88	9.89e-05	0.0	-4.77e-04
4505	200	9.45	12.31	-3.77	-6.15e-04	0.0	4.95e-05
4505	203	-8.79	-12.60	1.35	6.69e-04	0.0	-4.87e-05
4505	216	19.06	11.80	-3.26	-4.78e-04	0.0	-6.25e-04
4505	232	11.28	14.47	-4.20	-7.24e-04	0.0	5.15e-05
4505	235	-10.62	-14.77	1.78	7.77e-04	0.0	-5.07e-05
4506	4	0.40	0.57	-2.11	-7.44e-05	1.25e-04	5.11e-05
4506	28	0.42	-1.01	-1.72	5.71e-05	1.11e-04	-1.21e-04
4506	44	0.38	-1.52	-1.38	1.02e-04	9.41e-05	-1.97e-04
4506	68	0.29	0.37	-1.49	-5.19e-05	8.92e-05	3.30e-05

4506	80	0.30	-0.68	-1.23	3.58e-05	8.01e-05	-8.15e-05
4506	88	0.27	-1.02	-1.00	6.57e-05	6.89e-05	-1.32e-04
4506	98	0.25	-0.12	-1.17	-1.33e-05	7.45e-05	-6.30e-06
4506	105	0.24	-0.29	-1.08	1.89e-06	7.01e-05	-3.16e-05
4506	107	0.24	-0.11	-1.13	-1.37e-05	7.21e-05	-6.46e-06
4506	112	12.82	8.10	-0.93	7.99e-05	7.91e-04	-4.67e-04
4506	136	7.39	10.07	-3.39	-6.77e-04	4.69e-04	-2.93e-04
4506	139	-6.91	-10.29	1.14	6.50e-04	-3.24e-04	2.80e-04
4506	144	14.42	9.14	-0.91	9.15e-05	8.82e-04	-5.26e-04
4506	166	0.79	7.43	-3.67	-7.57e-04	9.33e-05	-4.32e-05
4506	171	-7.85	-11.58	1.42	7.33e-04	-3.76e-04	3.17e-04
4506	176	14.53	9.04	-0.95	8.06e-05	8.86e-04	-5.17e-04
4506	200	8.57	11.35	-3.63	-7.53e-04	5.34e-04	-3.29e-04
4506	203	-8.09	-11.57	1.38	7.25e-04	-3.90e-04	3.16e-04
4506	216	17.33	11.36	-2.92	-6.04e-04	1.02e-03	-6.61e-04
4506	232	10.24	13.35	-4.05	-8.77e-04	6.27e-04	-3.90e-04
4506	235	-9.76	-13.58	1.80	8.50e-04	-4.82e-04	3.77e-04
4507	4	0.45	0.57	-2.10	-2.32e-05	1.05e-04	1.05e-04
4507	28	0.47	-1.07	-1.71	1.00e-04	9.89e-05	-1.97e-04
4507	44	0.43	-1.59	-1.38	1.37e-04	8.52e-05	-3.31e-04
4507	68	0.32	0.37	-1.49	-1.53e-05	7.45e-05	6.99e-05
4507	80	0.33	-0.72	-1.23	6.69e-05	7.02e-05	-1.31e-04
4507	88	0.30	-1.07	-1.00	9.17e-05	6.11e-05	-2.21e-04
4507	98	0.28	-0.13	-1.17	1.72e-05	6.12e-05	1.73e-06
4507	105	0.27	-0.31	-1.08	3.02e-05	5.79e-05	-4.30e-05
4507	107	0.27	-0.13	-1.12	1.58e-05	5.88e-05	1.46e-06
4507	112	13.28	8.31	-0.93	1.11e-04	8.54e-04	-4.96e-04
4507	136	7.66	10.38	-3.37	-6.16e-04	4.95e-04	-3.04e-04
4507	139	-7.12	-10.63	1.13	6.48e-04	-3.78e-04	3.06e-04
4507	144	14.94	9.37	-0.90	1.23e-04	9.55e-04	-5.59e-04
4507	168	8.63	11.71	-3.66	-6.96e-04	5.53e-04	-3.43e-04
4507	171	-8.10	-11.96	1.41	7.27e-04	-4.35e-04	3.46e-04
4507	176	15.05	9.26	-0.95	1.13e-04	9.59e-04	-5.51e-04
4507	200	8.88	11.70	-3.62	-6.89e-04	5.68e-04	-3.43e-04
4507	203	-8.34	-11.95	1.37	7.20e-04	-4.50e-04	3.45e-04
4507	216	17.94	11.65	-2.91	-5.57e-04	1.11e-03	-7.00e-04
4507	232	10.60	13.77	-4.03	-8.08e-04	6.70e-04	-4.07e-04
4507	235	-10.07	-14.02	1.79	8.39e-04	-5.53e-04	4.10e-04
4508	4	0.50	0.57	-2.10	-1.13e-05	1.10e-04	1.32e-04
4508	28	0.53	-1.12	-1.71	9.88e-05	1.04e-04	-2.45e-04
4508	44	0.47	-1.66	-1.38	1.30e-04	8.98e-05	-4.14e-04
4508	68	0.36	0.38	-1.48	-6.93e-06	7.77e-05	8.83e-05
4508	80	0.37	-0.76	-1.23	6.65e-05	7.38e-05	-1.63e-04
4508	88	0.34	-1.11	-1.00	8.72e-05	6.44e-05	-2.75e-04
4508	98	0.31	-0.15	-1.17	2.18e-05	6.43e-05	3.79e-06
4508	105	0.30	-0.33	-1.08	3.29e-05	6.09e-05	-5.22e-05
4508	107	0.30	-0.14	-1.12	2.03e-05	6.17e-05	3.57e-06
4508	112	13.73	8.51	-0.92	1.11e-04	7.92e-04	-5.46e-04
4508	136	7.92	10.69	-3.37	-5.93e-04	4.60e-04	-3.32e-04
4508	139	-7.32	-10.97	1.12	6.34e-04	-3.37e-04	3.39e-04
4508	144	15.44	9.60	-0.90	1.22e-04	8.85e-04	-6.15e-04
4508	168	8.92	12.06	-3.65	-6.70e-04	5.12e-04	-3.75e-04
4508	171	-8.33	-12.34	1.40	7.11e-04	-3.89e-04	3.82e-04
4508	176	15.56	9.48	-0.94	1.12e-04	8.89e-04	-6.08e-04
4508	200	9.17	12.05	-3.61	-6.63e-04	5.26e-04	-3.75e-04
4508	203	-8.58	-12.32	1.37	7.04e-04	-4.03e-04	3.83e-04
4508	216	18.52	11.92	-2.92	-5.33e-04	1.02e-03	-7.69e-04
4508	232	10.95	14.18	-4.02	-7.78e-04	6.20e-04	-4.47e-04
4508	235	-10.36	-14.45	1.78	8.19e-04	-4.97e-04	4.54e-04
4509	4	0.56	0.58	-2.09	-5.15e-06	1.26e-04	1.33e-04
4509	28	0.58	-1.17	-1.71	9.08e-05	1.25e-04	-2.52e-04
4509	44	0.52	-1.72	-1.38	1.16e-04	1.12e-04	-4.23e-04
4509	68	0.40	0.38	-1.48	-2.67e-06	9.05e-05	8.93e-05
4509	80	0.41	-0.79	-1.23	6.13e-05	8.94e-05	-1.67e-04
4509	88	0.37	-1.16	-1.00	7.79e-05	8.06e-05	-2.82e-04
4509	98	0.34	-0.16	-1.17	2.27e-05	7.79e-05	3.78e-06
4509	105	0.33	-0.35	-1.08	3.17e-05	7.49e-05	-5.32e-05
4509	107	0.33	-0.15	-1.12	2.12e-05	7.52e-05	3.68e-06
4509	112	14.14	8.70	-0.92	1.08e-04	5.63e-04	-6.27e-04
4509	136	8.15	10.99	-3.36	-5.77e-04	3.37e-04	-3.78e-04
4509	139	-7.49	-11.29	1.12	6.20e-04	-1.87e-04	3.85e-04
4509	144	15.90	9.82	-0.89	1.19e-04	6.25e-04	-7.07e-04
4509	168	9.18	12.41	-3.64	-6.52e-04	3.72e-04	-4.27e-04
4509	171	-8.52	-12.70	1.40	6.95e-04	-2.22e-04	4.35e-04
4509	176	16.02	9.70	-0.93	1.10e-04	6.27e-04	-7.01e-04

4509	200	9.44	12.39	-3.61	-6.45e-04	3.81e-04	-4.30e-04
4509	203	-8.79	-12.68	1.36	6.88e-04	-2.30e-04	4.37e-04
4509	216	19.05	12.20	-2.92	-5.18e-04	7.02e-04	-8.85e-04
4509	232	11.27	14.58	-4.02	-7.58e-04	4.42e-04	-5.13e-04
4509	235	-10.62	-14.87	1.78	8.00e-04	-2.92e-04	5.20e-04
4510	4	0.64	0.75	-2.36	1.22e-04	0.0	1.56e-04
4510	28	0.65	-1.59	-1.97	-9.98e-05	0.0	-3.44e-04
4510	44	0.58	-2.39	-1.62	-2.18e-04	0.0	-5.65e-04
4510	68	0.45	0.49	-1.67	8.33e-05	0.0	1.04e-04
4510	80	0.46	-1.07	-1.42	-6.46e-05	0.0	-2.30e-04
4510	88	0.42	-1.60	-1.18	-1.44e-04	0.0	-3.78e-04
4510	98	0.39	-0.18	-1.34	3.63e-05	0.0	-6.89e-06
4510	105	0.38	-0.45	-1.25	-2.28e-06	0.0	-8.07e-05
4510	107	0.38	-0.17	-1.29	3.44e-05	0.0	-6.80e-06
4510	112	14.32	8.32	-2.92	-2.74e-04	0.0	-4.37e-04
4510	136	8.27	11.12	-3.61	-4.31e-04	0.0	3.68e-05
4510	139	-7.52	-11.45	1.03	5.00e-04	0.0	-5.04e-05
4510	144	16.09	9.40	-3.13	-3.13e-04	0.0	-4.91e-04
4510	168	9.30	12.55	-3.90	-4.90e-04	0.0	4.16e-05
4510	171	-8.55	-12.88	1.32	5.59e-04	0.0	-5.52e-05
4510	176	16.22	9.27	-3.09	-3.04e-04	0.0	-4.86e-04
4510	200	9.57	12.52	-3.88	-4.85e-04	0.0	3.33e-05
4510	203	-8.82	-12.85	1.30	5.54e-04	0.0	-4.68e-05
4510	216	19.26	11.64	-3.52	-3.87e-04	0.0	-6.40e-04
4510	232	11.41	14.72	-4.33	-5.74e-04	0.0	3.42e-05
4510	235	-10.66	-15.05	1.74	6.42e-04	0.0	-4.78e-05
4511	4	0.64	0.66	-2.23	5.47e-05	0.0	1.41e-04
4511	28	0.65	-1.39	-1.84	2.68e-06	0.0	-3.12e-04
4511	44	0.58	-2.07	-1.50	-3.89e-05	0.0	-5.13e-04
4511	68	0.45	0.43	-1.58	3.78e-05	0.0	9.33e-05
4511	80	0.46	-0.94	-1.32	3.15e-06	0.0	-2.09e-04
4511	88	0.42	-1.39	-1.09	-2.46e-05	0.0	-3.43e-04
4511	98	0.39	-0.17	-1.26	2.93e-05	0.0	-6.68e-06
4511	105	0.37	-0.40	-1.17	1.63e-05	0.0	-7.36e-05
4511	107	0.37	-0.16	-1.21	2.77e-05	0.0	-6.59e-06
4511	112	14.32	8.59	-0.88	1.04e-04	0.0	-4.50e-04
4511	136	8.27	11.19	-3.50	-5.08e-04	0.0	3.23e-05
4511	139	-7.52	-11.51	1.08	5.63e-04	0.0	-4.55e-05
4511	144	16.09	9.70	-0.84	1.14e-04	0.0	-5.06e-04
4511	168	9.30	12.63	-3.79	-5.75e-04	0.0	3.67e-05
4511	171	-8.55	-12.95	1.37	6.30e-04	0.0	-4.99e-05
4511	176	16.22	9.57	-0.88	1.06e-04	0.0	-5.01e-04
4511	200	9.57	12.60	-3.77	-5.69e-04	0.0	2.89e-05
4511	203	-8.82	-12.92	1.35	6.25e-04	0.0	-4.21e-05
4511	216	19.26	12.03	-3.26	-4.56e-04	0.0	-6.56e-04
4511	232	11.41	14.82	-4.20	-6.70e-04	0.0	2.95e-05
4511	235	-10.66	-15.14	1.78	7.26e-04	0.0	-4.26e-05
4512	4	0.71	0.66	-2.36	1.73e-04	0.0	6.99e-05
4512	28	0.72	-1.49	-1.97	-1.95e-04	0.0	-2.07e-04
4512	44	0.64	-2.20	-1.62	-3.78e-04	0.0	-3.27e-04
4512	68	0.50	0.43	-1.68	1.17e-04	0.0	4.53e-05
4512	80	0.51	-1.00	-1.42	-1.28e-04	0.0	-1.39e-04
4512	88	0.46	-1.48	-1.18	-2.50e-04	0.0	-2.19e-04
4512	98	0.43	-0.19	-1.34	3.76e-05	0.0	-1.46e-05
4512	105	0.42	-0.44	-1.25	-2.25e-05	0.0	-5.49e-05
4512	107	0.42	-0.18	-1.30	3.57e-05	0.0	-1.42e-05
4512	112	14.41	8.45	-2.91	-2.41e-04	0.0	-5.90e-04
4512	136	8.33	11.31	-3.61	-3.71e-04	0.0	-3.71e-04
4512	139	-7.50	-11.68	1.02	4.42e-04	0.0	3.43e-04
4512	144	16.19	9.54	-3.12	-2.76e-04	0.0	-6.63e-04
4512	168	9.38	12.77	-3.90	-4.22e-04	0.0	-4.17e-04
4512	171	-8.54	-13.13	1.31	4.93e-04	0.0	3.88e-04
4512	176	16.32	9.41	-3.08	-2.69e-04	0.0	-6.54e-04
4512	200	9.64	12.73	-3.88	-4.19e-04	0.0	-4.17e-04
4512	203	-8.81	-13.10	1.29	4.90e-04	0.0	3.89e-04
4512	216	19.35	11.82	-3.50	-3.48e-04	0.0	-8.40e-04
4512	232	11.49	14.97	-4.32	-4.96e-04	0.0	-4.94e-04
4512	235	-10.66	-15.34	1.73	5.68e-04	0.0	4.65e-04
4513	4	0.71	0.62	-2.23	8.23e-05	0.0	6.52e-05
4513	28	0.72	-1.38	-1.85	-5.21e-05	0.0	-1.95e-04
4513	44	0.64	-2.02	-1.50	-1.30e-04	0.0	-3.08e-04
4513	68	0.50	0.41	-1.58	5.62e-05	0.0	4.22e-05
4513	80	0.51	-0.93	-1.32	-3.33e-05	0.0	-1.31e-04
4513	88	0.46	-1.36	-1.10	-8.54e-05	0.0	-2.06e-04
4513	98	0.43	-0.19	-1.26	2.94e-05	0.0	-1.40e-05

4513	105	0.42	-0.41	-1.17	4.14e-06	0.0	-5.19e-05
4513	107	0.42	-0.18	-1.21	2.78e-05	0.0	-1.37e-05
4513	112	14.41	8.75	-0.89	-3.10e-04	0.0	-5.94e-04
4513	136	8.33	11.43	-3.50	-4.73e-04	0.0	-3.73e-04
4513	139	-7.50	-11.78	1.08	5.29e-04	0.0	3.45e-04
4513	144	16.19	9.88	-0.85	-3.52e-04	0.0	-6.67e-04
4513	168	9.38	12.90	-3.79	-5.36e-04	0.0	-4.19e-04
4513	171	-8.54	-13.25	1.37	5.92e-04	0.0	3.91e-04
4513	176	16.32	9.75	-0.88	-3.43e-04	0.0	-6.58e-04
4513	200	9.64	12.87	-3.77	-5.31e-04	0.0	-4.20e-04
4513	203	-8.81	-13.22	1.34	5.87e-04	0.0	3.92e-04
4513	216	19.35	12.25	-3.26	-4.34e-04	0.0	-8.44e-04
4513	232	11.49	15.14	-4.20	-6.26e-04	0.0	-4.96e-04
4513	235	-10.66	-15.49	1.78	6.82e-04	0.0	4.69e-04
4514	4	0.77	0.55	-2.36	-3.32e-04	2.37e-04	-2.49e-05
4514	44	0.70	-1.93	-1.62	-1.56e-04	2.26e-04	-5.95e-05
4514	52	0.78	-0.39	-2.17	-2.77e-04	2.38e-04	-3.51e-05
4514	68	0.55	0.36	-1.68	-2.37e-04	1.75e-04	-1.84e-05
4514	88	0.50	-1.30	-1.19	-1.20e-04	1.67e-04	-4.15e-05
4514	92	0.56	-0.27	-1.55	-2.00e-04	1.76e-04	-2.52e-05
4514	98	0.47	-0.21	-1.35	-1.83e-04	1.63e-04	-2.21e-05
4514	105	0.45	-0.42	-1.25	-1.65e-04	1.60e-04	-2.50e-05
4514	107	0.45	-0.20	-1.30	-1.77e-04	1.60e-04	-2.14e-05
4514	112	14.50	8.55	-2.91	-1.24e-04	2.62e-04	-6.26e-04
4514	136	8.40	11.48	-3.61	-8.87e-04	1.43e-04	-4.05e-04
4514	139	-7.49	-11.88	1.02	5.33e-04	1.77e-04	3.63e-04
4514	144	16.29	9.66	-3.11	-1.17e-04	2.75e-04	-7.02e-04
4514	168	9.44	12.95	-3.90	-9.76e-04	1.41e-04	-4.55e-04
4514	171	-8.53	-13.36	1.31	6.22e-04	1.79e-04	4.12e-04
4514	176	16.41	9.53	-3.07	-1.29e-04	2.73e-04	-6.92e-04
4514	200	9.71	12.92	-3.88	-9.66e-04	1.42e-04	-4.56e-04
4514	203	-8.80	-13.32	1.29	6.12e-04	1.78e-04	4.14e-04
4514	216	19.44	11.98	-3.50	-7.42e-04	2.67e-04	-8.87e-04
4514	232	11.56	15.19	-4.32	-1.10e-03	1.40e-04	-5.39e-04
4514	235	-10.65	-15.60	1.73	7.43e-04	1.80e-04	4.96e-04
4515	4	0.77	0.57	-2.24	-3.25e-04	2.28e-04	-3.62e-05
4515	44	0.70	-1.91	-1.51	-1.49e-04	2.11e-04	-3.79e-05
4515	52	0.78	-0.37	-2.04	-2.70e-04	2.28e-04	-3.88e-05
4515	68	0.55	0.37	-1.58	-2.32e-04	1.68e-04	-2.62e-05
4515	88	0.50	-1.28	-1.10	-1.15e-04	1.57e-04	-2.73e-05
4515	92	0.56	-0.25	-1.46	-1.95e-04	1.68e-04	-2.79e-05
4515	98	0.47	-0.20	-1.26	-1.78e-04	1.57e-04	-2.45e-05
4515	105	0.45	-0.40	-1.17	-1.60e-04	1.53e-04	-2.41e-05
4515	107	0.45	-0.19	-1.21	-1.72e-04	1.53e-04	-2.37e-05
4515	112	14.50	8.89	-0.89	-1.10e-04	4.13e-04	-6.40e-04
4515	136	8.40	11.65	-3.50	-8.92e-04	2.91e-04	-4.20e-04
4515	139	-7.49	-12.03	1.08	5.47e-04	1.55e-05	3.73e-04
4515	144	16.29	10.04	-0.85	-1.02e-04	4.47e-04	-7.18e-04
4515	168	9.44	13.15	-3.79	-9.82e-04	3.09e-04	-4.71e-04
4515	171	-8.53	-13.53	1.37	6.37e-04	-2.62e-06	4.24e-04
4515	176	16.41	9.91	-0.88	-1.16e-04	4.47e-04	-7.07e-04
4515	200	9.71	13.12	-3.77	-9.71e-04	3.14e-04	-4.73e-04
4515	203	-8.80	-13.50	1.34	6.26e-04	-6.95e-06	4.26e-04
4515	216	19.44	12.46	-3.26	-7.52e-04	4.80e-04	-9.04e-04
4515	232	11.56	15.44	-4.20	-1.10e-03	3.46e-04	-5.59e-04
4515	235	-10.65	-15.82	1.77	7.59e-04	-3.91e-05	5.11e-04
4516	4	0.64	0.58	-2.10	-1.15e-06	1.35e-04	9.35e-05
4516	28	0.65	-1.22	-1.71	8.27e-05	1.40e-04	-2.20e-04
4516	44	0.58	-1.78	-1.38	1.03e-04	1.29e-04	-3.58e-04
4516	68	0.45	0.38	-1.48	0.0	9.69e-05	6.16e-05
4516	80	0.46	-0.82	-1.23	5.59e-05	1.00e-04	-1.47e-04
4516	88	0.42	-1.20	-1.00	6.92e-05	9.34e-05	-2.39e-04
4516	98	0.39	-0.17	-1.17	2.25e-05	8.61e-05	-7.32e-06
4516	105	0.37	-0.36	-1.08	2.98e-05	8.40e-05	-5.35e-05
4516	107	0.37	-0.16	-1.12	2.12e-05	8.33e-05	-7.22e-06
4516	112	14.32	8.88	-0.91	1.06e-04	3.15e-04	-6.15e-04
4516	136	8.27	11.28	-3.36	-5.66e-04	2.07e-04	-3.77e-04
4516	139	-7.52	-11.59	1.12	6.08e-04	-4.07e-05	3.63e-04
4516	144	16.09	10.02	-0.88	1.17e-04	3.45e-04	-6.92e-04
4516	168	9.30	12.72	-3.64	-6.39e-04	2.23e-04	-4.25e-04
4516	171	-8.56	-13.04	1.40	6.82e-04	-5.68e-05	4.10e-04
4516	176	16.22	9.90	-0.93	1.07e-04	3.44e-04	-6.84e-04
4516	200	9.57	12.70	-3.61	-6.33e-04	2.27e-04	-4.27e-04
4516	203	-8.82	-13.02	1.36	6.75e-04	-5.93e-05	4.12e-04
4516	216	19.26	12.45	-2.93	-5.08e-04	3.61e-04	-8.67e-04

4516	232	11.41	14.95	-4.02	-7.43e-04	2.54e-04	-5.07e-04
4516	235	-10.66	-15.27	1.78	7.86e-04	-8.69e-05	4.92e-04
4517	4	0.71	0.58	-2.10	-2.31e-06	1.29e-04	4.13e-05
4517	28	0.72	-1.26	-1.72	7.42e-05	1.38e-04	-1.43e-04
4517	44	0.64	-1.84	-1.39	9.14e-05	1.29e-04	-2.22e-04
4517	68	0.50	0.38	-1.49	0.0	9.31e-05	2.62e-05
4517	80	0.51	-0.85	-1.23	5.01e-05	9.87e-05	-9.63e-05
4517	88	0.46	-1.23	-1.01	6.16e-05	9.25e-05	-1.50e-04
4517	98	0.43	-0.18	-1.17	2.01e-05	8.35e-05	-1.35e-05
4517	105	0.42	-0.38	-1.08	2.65e-05	8.18e-05	-4.02e-05
4517	107	0.42	-0.17	-1.12	1.89e-05	8.07e-05	-1.32e-05
4517	112	14.41	9.06	-0.91	1.02e-04	1.90e-04	-6.06e-04
4517	136	8.33	11.55	-3.36	-5.64e-04	5.84e-05	-3.81e-04
4517	139	-7.50	-11.89	1.11	6.02e-04	1.03e-04	3.54e-04
4517	144	16.19	10.22	-0.88	1.12e-04	2.04e-04	-6.81e-04
4517	168	9.38	13.04	-3.64	-6.37e-04	5.56e-05	-4.28e-04
4517	171	-8.54	-13.38	1.39	6.75e-04	1.06e-04	4.02e-04
4517	176	16.32	10.09	-0.92	1.03e-04	2.02e-04	-6.72e-04
4517	200	9.64	13.01	-3.61	-6.31e-04	5.65e-05	-4.30e-04
4517	203	-8.81	-13.35	1.36	6.69e-04	1.05e-04	4.03e-04
4517	216	19.35	12.70	-2.94	-5.07e-04	1.90e-04	-8.58e-04
4517	232	11.49	15.31	-4.02	-7.41e-04	5.35e-05	-5.09e-04
4517	235	-10.66	-15.65	1.77	7.78e-04	1.08e-04	4.83e-04
4518	4	0.77	0.59	-2.11	-3.19e-04	7.59e-05	-2.92e-05
4518	44	0.70	-1.89	-1.40	-1.43e-04	1.78e-04	-3.06e-05
4518	52	0.78	-0.34	-1.92	-2.63e-04	1.02e-04	-3.13e-05
4518	68	0.55	0.39	-1.49	-2.27e-04	5.54e-05	-2.14e-05
4518	88	0.50	-1.27	-1.02	-1.10e-04	1.23e-04	-2.23e-05
4518	92	0.56	-0.24	-1.37	-1.90e-04	7.29e-05	-2.27e-05
4518	98	0.47	-0.19	-1.18	-1.73e-04	6.27e-05	-2.04e-05
4518	105	0.45	-0.39	-1.09	-1.55e-04	7.20e-05	-2.01e-05
4518	107	0.46	-0.18	-1.13	-1.67e-04	6.05e-05	-1.99e-05
4518	112	14.50	9.24	-0.91	-9.65e-05	2.00e-04	-6.35e-04
4518	136	8.40	11.84	-3.37	-8.96e-04	3.66e-05	-4.17e-04
4518	139	-7.49	-12.19	1.11	5.61e-04	8.44e-05	3.77e-04
4518	144	16.29	10.43	-0.88	-8.77e-05	2.18e-04	-7.13e-04
4518	168	9.44	13.36	-3.65	-9.87e-04	3.37e-05	-4.68e-04
4518	171	-8.53	-13.71	1.39	6.52e-04	8.73e-05	4.28e-04
4518	176	16.41	10.29	-0.93	-1.02e-04	2.17e-04	-7.02e-04
4518	200	9.71	13.33	-3.61	-9.76e-04	3.47e-05	-4.70e-04
4518	203	-8.80	-13.68	1.35	6.41e-04	8.63e-05	4.30e-04
4518	216	19.44	12.95	-2.95	-7.61e-04	1.80e-04	-9.02e-04
4518	232	11.57	15.69	-4.03	-1.11e-03	3.13e-05	-5.55e-04
4518	235	-10.66	-16.04	1.77	7.76e-04	8.97e-05	5.15e-04
4519	4	0.41	0.57	-1.95	0.0	1.50e-04	1.58e-05
4519	44	0.30	-1.52	-1.32	0.0	1.08e-05	-1.01e-04
4519	68	0.29	0.37	-1.38	0.0	1.06e-04	9.30e-06
4519	88	0.21	-1.02	-0.96	0.0	1.32e-05	-6.89e-05
4519	98	0.24	-0.12	-1.09	0.0	7.47e-05	-9.30e-06
4519	105	0.22	-0.29	-1.01	0.0	5.90e-05	-2.12e-05
4519	107	0.23	-0.11	-1.05	0.0	7.22e-05	-9.32e-06
4519	112	12.63	8.10	-0.87	0.0	7.99e-04	-4.68e-04
4519	136	7.27	10.07	-2.87	0.0	4.75e-04	-2.98e-04
4519	139	-6.81	-10.29	0.78	0.0	-3.31e-04	2.80e-04
4519	144	14.21	9.14	-0.85	0.0	8.92e-04	-5.26e-04
4519	168	8.20	11.36	-3.09	0.0	5.28e-04	-3.36e-04
4519	171	-7.74	-11.58	1.00	0.0	-3.84e-04	3.17e-04
4519	176	14.32	9.04	-0.89	0.0	8.96e-04	-5.16e-04
4519	200	8.43	11.35	-3.07	0.0	5.42e-04	-3.35e-04
4519	203	-7.97	-11.57	0.98	0.0	-3.98e-04	3.16e-04
4519	216	17.04	11.36	-2.51	0.0	1.05e-03	-6.58e-04
4519	232	10.07	13.35	-3.40	0.0	6.37e-04	-3.96e-04
4519	235	-9.61	-13.58	1.31	0.0	-4.93e-04	3.78e-04
4520	4	0.49	0.57	-1.95	0.0	1.34e-04	4.43e-05
4520	44	0.30	-1.59	-1.32	0.0	3.09e-05	-1.67e-04
4520	68	0.34	0.37	-1.37	0.0	9.44e-05	2.89e-05
4520	88	0.22	-1.07	-0.96	0.0	2.58e-05	-1.12e-04
4520	98	0.28	-0.13	-1.09	0.0	6.85e-05	-4.07e-06
4520	105	0.25	-0.31	-1.01	0.0	5.66e-05	-2.56e-05
4520	107	0.26	-0.13	-1.04	0.0	6.60e-05	-4.17e-06
4520	112	13.05	8.31	-0.87	0.0	7.82e-04	-5.10e-04
4520	136	7.52	10.38	-2.86	0.0	4.59e-04	-3.17e-04
4520	139	-6.99	-10.63	0.78	0.0	-3.27e-04	3.08e-04
4520	144	14.68	9.37	-0.85	0.0	8.73e-04	-5.74e-04
4520	168	8.47	11.71	-3.09	0.0	5.11e-04	-3.57e-04

4520	171	-7.94	-11.96	1.00	0.0	-3.79e-04	3.48e-04
4520	176	14.79	9.26	-0.89	0.0	8.77e-04	-5.65e-04
4520	200	8.71	11.70	-3.06	0.0	5.25e-04	-3.57e-04
4520	203	-8.18	-11.95	0.98	0.0	-3.93e-04	3.49e-04
4520	216	17.59	11.65	-2.51	0.0	1.02e-03	-7.13e-04
4520	232	10.40	13.77	-3.40	0.0	6.18e-04	-4.24e-04
4520	235	-9.87	-14.02	1.31	0.0	-4.86e-04	4.15e-04
4521	4	0.55	0.57	-1.94	0.0	1.21e-04	6.23e-05
4521	44	0.32	-1.66	-1.32	0.0	7.35e-05	-2.00e-04
4521	68	0.39	0.38	-1.37	0.0	8.55e-05	4.15e-05
4521	88	0.24	-1.11	-0.96	0.0	5.41e-05	-1.33e-04
4521	98	0.31	-0.15	-1.09	0.0	6.82e-05	1.02e-06
4521	105	0.28	-0.33	-1.01	0.0	6.20e-05	-2.58e-05
4521	107	0.30	-0.14	-1.04	0.0	6.57e-05	0.0
4521	112	13.46	8.51	-0.87	0.0	6.90e-04	-5.83e-04
4521	136	7.75	10.69	-2.86	0.0	4.05e-04	-3.55e-04
4521	139	-7.16	-10.97	0.78	0.0	-2.74e-04	3.57e-04
4521	144	15.13	9.60	-0.85	0.0	7.69e-04	-6.57e-04
4521	168	8.73	12.06	-3.09	0.0	4.50e-04	-4.01e-04
4521	171	-8.14	-12.34	1.00	0.0	-3.18e-04	4.03e-04
4521	176	15.25	9.48	-0.89	0.0	7.72e-04	-6.50e-04
4521	200	8.98	12.05	-3.06	0.0	4.61e-04	-4.03e-04
4521	203	-8.39	-12.32	0.98	0.0	-3.30e-04	4.05e-04
4521	216	18.11	11.92	-2.51	0.0	8.80e-04	-8.15e-04
4521	232	10.72	14.18	-3.40	0.0	5.41e-04	-4.80e-04
4521	235	-10.13	-14.45	1.31	0.0	-4.09e-04	4.82e-04
4522	4	0.61	0.58	-1.94	0.0	1.11e-04	6.19e-05
4522	44	0.38	-1.72	-1.32	0.0	1.32e-04	-1.98e-04
4522	68	0.43	0.38	-1.37	0.0	7.99e-05	4.15e-05
4522	88	0.27	-1.16	-0.96	0.0	9.34e-05	-1.32e-04
4522	98	0.35	-0.16	-1.09	0.0	7.31e-05	1.67e-06
4522	105	0.31	-0.35	-1.01	0.0	7.38e-05	-2.49e-05
4522	107	0.33	-0.15	-1.04	0.0	7.05e-05	1.64e-06
4522	112	13.78	8.70	-0.87	0.0	5.27e-04	-6.78e-04
4522	136	7.94	10.99	-2.86	0.0	3.15e-04	-4.10e-04
4522	139	-7.28	-11.29	0.77	0.0	-1.74e-04	4.13e-04
4522	144	15.49	9.82	-0.85	0.0	5.84e-04	-7.64e-04
4522	168	8.94	12.41	-3.09	0.0	3.47e-04	-4.63e-04
4522	171	-8.28	-12.70	1.00	0.0	-2.06e-04	4.67e-04
4522	176	15.61	9.70	-0.88	0.0	5.86e-04	-7.58e-04
4522	200	9.20	12.39	-3.06	0.0	3.54e-04	-4.68e-04
4522	203	-8.53	-12.68	0.97	0.0	-2.13e-04	4.71e-04
4522	216	18.52	12.20	-2.51	0.0	6.47e-04	-9.49e-04
4522	232	10.97	14.58	-3.39	0.0	4.11e-04	-5.59e-04
4522	235	-10.31	-14.87	1.31	0.0	-2.70e-04	5.62e-04
4523	4	0.41	0.57	-1.73	0.0	1.59e-04	0.0
4523	44	0.27	-1.52	-1.21	0.0	-2.84e-05	-3.65e-05
4523	68	0.29	0.37	-1.22	0.0	1.12e-04	0.0
4523	88	0.19	-1.02	-0.87	0.0	-1.32e-05	-2.51e-05
4523	98	0.24	-0.12	-0.97	0.0	7.30e-05	-6.52e-06
4523	105	0.21	-0.29	-0.90	0.0	5.24e-05	-1.01e-05
4523	107	0.22	-0.11	-0.93	0.0	7.05e-05	-6.48e-06
4523	112	12.41	8.10	-0.79	0.0	7.99e-04	-5.18e-04
4523	136	7.13	10.06	-2.30	0.0	4.77e-04	-3.33e-04
4523	139	-6.68	-10.29	0.44	0.0	-3.36e-04	3.20e-04
4523	144	13.96	9.14	-0.77	0.0	8.91e-04	-5.83e-04
4523	168	8.04	11.35	-2.47	0.0	5.30e-04	-3.75e-04
4523	171	-7.59	-11.58	0.61	0.0	-3.89e-04	3.62e-04
4523	176	14.07	9.04	-0.80	0.0	8.96e-04	-5.74e-04
4523	200	8.27	11.35	-2.45	0.0	5.45e-04	-3.76e-04
4523	203	-7.82	-11.57	0.59	0.0	-4.04e-04	3.63e-04
4523	216	16.68	11.36	-2.05	0.0	1.06e-03	-7.36e-04
4523	232	9.88	13.35	-2.70	0.0	6.41e-04	-4.46e-04
4523	235	-9.43	-13.58	0.85	0.0	-5.00e-04	4.33e-04
4524	4	0.50	0.57	-1.73	0.0	1.45e-04	7.84e-06
4524	44	0.25	-1.59	-1.21	0.0	8.58e-06	-5.62e-05
4524	68	0.35	0.37	-1.22	0.0	1.02e-04	4.55e-06
4524	88	0.19	-1.07	-0.87	0.0	1.12e-05	-3.81e-05
4524	98	0.27	-0.13	-0.97	0.0	7.11e-05	-5.45e-06
4524	105	0.24	-0.31	-0.90	0.0	5.58e-05	-1.19e-05
4524	107	0.26	-0.13	-0.93	0.0	6.86e-05	-5.44e-06
4524	112	12.81	8.31	-0.79	0.0	7.30e-04	-5.47e-04
4524	136	7.37	10.38	-2.30	0.0	4.34e-04	-3.48e-04
4524	139	-6.85	-10.63	0.44	0.0	-2.96e-04	3.37e-04
4524	144	14.41	9.37	-0.77	0.0	8.14e-04	-6.16e-04

4524	168	8.31	11.71	-2.47	0.0	4.82e-04	-3.92e-04
4524	171	-7.78	-11.96	0.62	0.0	-3.44e-04	3.81e-04
4524	176	14.52	9.26	-0.80	0.0	8.18e-04	-6.07e-04
4524	200	8.55	11.70	-2.45	0.0	4.94e-04	-3.94e-04
4524	203	-8.02	-11.95	0.60	0.0	-3.57e-04	3.83e-04
4524	216	17.21	11.65	-2.06	0.0	9.49e-04	-7.70e-04
4524	232	10.20	13.77	-2.71	0.0	5.80e-04	-4.67e-04
4524	235	-9.68	-14.02	0.85	0.0	-4.43e-04	4.56e-04
4525	4	0.57	0.57	-1.73	0.0	1.25e-04	1.40e-05
4525	44	0.27	-1.66	-1.21	0.0	6.86e-05	-6.37e-05
4525	68	0.40	0.38	-1.22	0.0	8.86e-05	9.00e-06
4525	88	0.20	-1.11	-0.88	0.0	5.11e-05	-4.28e-05
4525	98	0.31	-0.15	-0.97	0.0	7.02e-05	-2.94e-06
4525	105	0.27	-0.33	-0.90	0.0	6.30e-05	-1.08e-05
4525	107	0.30	-0.14	-0.93	0.0	6.76e-05	-2.94e-06
4525	112	13.17	8.51	-0.79	0.0	6.24e-04	-6.06e-04
4525	136	7.58	10.69	-2.30	0.0	3.70e-04	-3.81e-04
4525	139	-6.99	-10.97	0.45	0.0	-2.34e-04	3.75e-04
4525	144	14.81	9.60	-0.77	0.0	6.94e-04	-6.83e-04
4525	168	8.54	12.06	-2.48	0.0	4.09e-04	-4.30e-04
4525	171	-7.95	-12.34	0.62	0.0	-2.74e-04	4.24e-04
4525	176	14.93	9.48	-0.80	0.0	6.97e-04	-6.74e-04
4525	200	8.79	12.05	-2.46	0.0	4.19e-04	-4.33e-04
4525	203	-8.19	-12.32	0.60	0.0	-2.84e-04	4.27e-04
4525	216	17.68	11.92	-2.06	0.0	7.88e-04	-8.51e-04
4525	232	10.48	14.18	-2.71	0.0	4.90e-04	-5.15e-04
4525	235	-9.89	-14.45	0.85	0.0	-3.54e-04	5.09e-04
4526	4	0.63	0.58	-1.73	0.0	1.04e-04	1.31e-05
4526	44	0.32	-1.72	-1.22	0.0	1.40e-04	-6.18e-05
4526	68	0.44	0.38	-1.22	0.0	7.51e-05	8.43e-06
4526	88	0.24	-1.15	-0.88	0.0	9.88e-05	-4.15e-05
4526	98	0.35	-0.16	-0.97	0.0	7.09e-05	-2.87e-06
4526	105	0.31	-0.35	-0.90	0.0	7.31e-05	-1.04e-05
4526	107	0.33	-0.15	-0.93	0.0	6.83e-05	-2.83e-06
4526	112	13.46	8.70	-0.79	0.0	4.96e-04	-6.54e-04
4526	136	7.76	10.99	-2.31	0.0	2.96e-04	-4.11e-04
4526	139	-7.09	-11.29	0.45	0.0	-1.60e-04	4.05e-04
4526	144	15.14	9.82	-0.78	0.0	5.50e-04	-7.37e-04
4526	168	8.73	12.41	-2.48	0.0	3.26e-04	-4.63e-04
4526	171	-8.07	-12.70	0.62	0.0	-1.90e-04	4.58e-04
4526	176	15.25	9.70	-0.80	0.0	5.52e-04	-7.29e-04
4526	200	8.98	12.39	-2.46	0.0	3.32e-04	-4.67e-04
4526	203	-8.32	-12.68	0.60	0.0	-1.96e-04	4.62e-04
4526	216	18.04	12.19	-2.06	0.0	5.98e-04	-9.19e-04
4526	232	10.71	14.58	-2.71	0.0	3.85e-04	-5.57e-04
4526	235	-10.05	-14.87	0.85	0.0	-2.48e-04	5.51e-04
4527	4	0.41	0.57	-1.46	0.0	1.56e-04	-8.08e-06
4527	44	0.26	-1.52	-1.06	0.0	-2.87e-05	0.0
4527	68	0.29	0.37	-1.03	0.0	1.10e-04	-5.87e-06
4527	88	0.19	-1.02	-0.76	0.0	-1.36e-05	0.0
4527	98	0.23	-0.12	-0.82	0.0	7.14e-05	-4.67e-06
4527	105	0.21	-0.29	-0.77	0.0	5.10e-05	-3.64e-06
4527	107	0.22	-0.11	-0.79	0.0	6.88e-05	-4.59e-06
4527	112	12.16	8.10	-0.68	0.0	7.81e-04	-5.47e-04
4527	136	6.99	10.06	-1.74	0.0	4.68e-04	-3.53e-04
4527	139	-6.54	-10.29	0.16	0.0	-3.31e-04	3.44e-04
4527	144	13.68	9.14	-0.67	0.0	8.71e-04	-6.16e-04
4527	168	7.87	11.35	-1.85	0.0	5.21e-04	-3.98e-04
4527	171	-7.43	-11.58	0.28	0.0	-3.83e-04	3.89e-04
4527	176	13.79	9.04	-0.69	0.0	8.75e-04	-6.08e-04
4527	200	8.10	11.35	-1.84	0.0	5.35e-04	-4.00e-04
4527	203	-7.65	-11.57	0.26	0.0	-3.97e-04	3.91e-04
4527	216	16.29	11.36	-1.58	0.0	1.03e-03	-7.84e-04
4527	232	9.67	13.35	-2.02	0.0	6.28e-04	-4.76e-04
4527	235	-9.22	-13.58	0.44	0.0	-4.91e-04	4.67e-04
4528	4	0.49	0.57	-1.47	0.0	1.44e-04	-1.15e-05
4528	44	0.25	-1.59	-1.07	0.0	1.07e-05	7.29e-06
4528	68	0.35	0.37	-1.04	0.0	1.01e-04	-8.27e-06
4528	88	0.19	-1.07	-0.77	0.0	1.26e-05	4.28e-06
4528	98	0.27	-0.13	-0.83	0.0	7.09e-05	-5.37e-06
4528	105	0.24	-0.31	-0.77	0.0	5.59e-05	-3.27e-06
4528	107	0.26	-0.13	-0.79	0.0	6.84e-05	-5.30e-06
4528	112	12.55	8.31	-0.69	0.0	7.00e-04	-5.77e-04
4528	136	7.22	10.38	-1.75	0.0	4.19e-04	-3.73e-04
4528	139	-6.70	-10.63	0.16	0.0	-2.82e-04	3.62e-04

4528	144	14.12	9.37	-0.68	0.0	7.80e-04	-6.49e-04
4528	168	8.14	11.71	-1.87	0.0	4.65e-04	-4.21e-04
4528	171	-7.62	-11.96	0.28	0.0	-3.28e-04	4.10e-04
4528	176	14.23	9.26	-0.69	0.0	7.84e-04	-6.40e-04
4528	200	8.36	11.70	-1.86	0.0	4.76e-04	-4.23e-04
4528	203	-7.85	-11.95	0.27	0.0	-3.39e-04	4.12e-04
4528	216	16.81	11.65	-1.59	0.0	9.10e-04	-8.20e-04
4528	232	9.98	13.77	-2.03	0.0	5.58e-04	-5.03e-04
4528	235	-9.47	-14.02	0.45	0.0	-4.21e-04	4.92e-04
4529	4	0.56	0.57	-1.48	0.0	1.24e-04	-1.32e-05
4529	44	0.27	-1.66	-1.07	0.0	7.05e-05	1.27e-05
4529	68	0.40	0.37	-1.04	0.0	8.80e-05	-9.38e-06
4529	88	0.20	-1.11	-0.77	0.0	5.24e-05	7.88e-06
4529	98	0.31	-0.15	-0.83	0.0	7.01e-05	-5.29e-06
4529	105	0.27	-0.33	-0.78	0.0	6.32e-05	-2.48e-06
4529	107	0.29	-0.14	-0.80	0.0	6.76e-05	-5.22e-06
4529	112	12.89	8.51	-0.69	0.0	5.92e-04	-6.11e-04
4529	136	7.42	10.69	-1.76	0.0	3.52e-04	-3.95e-04
4529	139	-6.83	-10.96	0.16	0.0	-2.17e-04	3.85e-04
4529	144	14.50	9.60	-0.68	0.0	6.58e-04	-6.88e-04
4529	168	8.36	12.06	-1.88	0.0	3.90e-04	-4.46e-04
4529	171	-7.77	-12.34	0.28	0.0	-2.55e-04	4.35e-04
4529	176	14.61	9.48	-0.70	0.0	6.60e-04	-6.79e-04
4529	200	8.59	12.05	-1.87	0.0	3.99e-04	-4.49e-04
4529	203	-8.01	-12.32	0.27	0.0	-2.63e-04	4.38e-04
4529	216	17.24	11.92	-1.60	0.0	7.43e-04	-8.66e-04
4529	232	10.25	14.18	-2.05	0.0	4.65e-04	-5.33e-04
4529	235	-9.66	-14.45	0.45	0.0	-3.29e-04	5.23e-04
4530	4	0.62	0.58	-1.49	0.0	1.02e-04	-1.46e-05
4530	44	0.32	-1.72	-1.08	0.0	1.38e-04	1.30e-05
4530	68	0.44	0.38	-1.05	0.0	7.35e-05	-1.03e-05
4530	88	0.24	-1.15	-0.78	0.0	9.76e-05	8.07e-06
4530	98	0.34	-0.16	-0.84	0.0	6.95e-05	-5.87e-06
4530	105	0.30	-0.34	-0.78	0.0	7.18e-05	-2.88e-06
4530	107	0.33	-0.15	-0.80	0.0	6.70e-05	-5.77e-06
4530	112	13.17	8.70	-0.70	0.0	4.76e-04	-6.39e-04
4530	136	7.59	10.99	-1.77	0.0	2.84e-04	-4.13e-04
4530	139	-6.93	-11.29	0.17	0.0	-1.50e-04	4.01e-04
4530	144	14.81	9.82	-0.68	0.0	5.28e-04	-7.19e-04
4530	168	8.54	12.41	-1.89	0.0	3.12e-04	-4.66e-04
4530	171	-7.88	-12.70	0.29	0.0	-1.78e-04	4.54e-04
4530	176	14.92	9.70	-0.70	0.0	5.29e-04	-7.10e-04
4530	200	8.78	12.39	-1.88	0.0	3.18e-04	-4.69e-04
4530	203	-8.12	-12.68	0.27	0.0	-1.84e-04	4.57e-04
4530	216	17.58	12.19	-1.61	0.0	5.65e-04	-9.05e-04
4530	232	10.47	14.58	-2.06	0.0	3.67e-04	-5.57e-04
4530	235	-9.81	-14.87	0.45	0.0	-2.33e-04	5.46e-04
4531	4	0.67	0.58	-1.94	0.0	1.02e-04	3.88e-05
4531	44	0.46	-1.78	-1.32	0.0	1.85e-04	-1.70e-04
4531	68	0.47	0.38	-1.37	0.0	7.44e-05	2.52e-05
4531	88	0.33	-1.20	-0.96	0.0	1.29e-04	-1.14e-04
4531	98	0.39	-0.17	-1.09	0.0	7.74e-05	-6.39e-06
4531	105	0.35	-0.36	-1.01	0.0	8.44e-05	-2.76e-05
4531	107	0.37	-0.16	-1.04	0.0	7.47e-05	-6.29e-06
4531	112	14.00	8.88	-0.87	0.0	3.64e-04	-6.60e-04
4531	136	8.07	11.28	-2.86	0.0	2.31e-04	-4.08e-04
4531	139	-7.33	-11.59	0.77	0.0	-8.12e-05	3.96e-04
4531	144	15.73	10.02	-0.85	0.0	4.00e-04	-7.43e-04
4531	168	9.09	12.72	-3.08	0.0	2.51e-04	-4.60e-04
4531	171	-8.35	-13.04	1.00	0.0	-1.01e-04	4.48e-04
4531	176	15.85	9.90	-0.89	0.0	4.00e-04	-7.36e-04
4531	200	9.35	12.70	-3.06	0.0	2.54e-04	-4.64e-04
4531	203	-8.61	-13.02	0.97	0.0	-1.04e-04	4.51e-04
4531	216	18.77	12.45	-2.51	0.0	4.15e-04	-9.27e-04
4531	232	11.14	14.95	-3.39	0.0	2.88e-04	-5.52e-04
4531	235	-10.40	-15.27	1.31	0.0	-1.38e-04	5.39e-04
4532	4	0.71	0.58	-1.95	0.0	9.34e-05	9.71e-06
4532	44	0.57	-1.84	-1.33	0.0	2.21e-04	-1.09e-04
4532	68	0.51	0.38	-1.38	0.0	6.86e-05	5.20e-06
4532	88	0.41	-1.23	-0.96	0.0	1.53e-04	-7.37e-05
4532	98	0.43	-0.18	-1.09	0.0	7.87e-05	-1.24e-05
4532	105	0.40	-0.38	-1.01	0.0	9.02e-05	-2.43e-05
4532	107	0.41	-0.17	-1.04	0.0	7.60e-05	-1.22e-05
4532	112	14.13	9.06	-0.87	0.0	2.11e-04	-6.31e-04
4532	136	8.16	11.55	-2.86	0.0	3.76e-05	-4.01e-04

4532	139	-7.34	-11.89	0.77	0.0	1.14e-04	3.77e-04
4532	144	15.87	10.22	-0.85	0.0	2.28e-04	-7.09e-04
4532	168	9.18	13.04	-3.08	0.0	3.29e-05	-4.52e-04
4532	171	-8.36	-13.38	0.99	0.0	1.19e-04	4.27e-04
4532	176	15.99	10.09	-0.89	0.0	2.26e-04	-6.99e-04
4532	200	9.44	13.01	-3.06	0.0	3.43e-05	-4.54e-04
4532	203	-8.62	-13.35	0.97	0.0	1.18e-04	4.30e-04
4532	216	18.91	12.70	-2.51	0.0	2.01e-04	-8.91e-04
4532	232	11.25	15.31	-3.39	0.0	2.87e-05	-5.38e-04
4532	235	-10.43	-15.65	1.30	0.0	1.23e-04	5.14e-04
4533	4	0.76	0.59	-1.96	-3.34e-04	7.59e-05	-2.15e-05
4533	44	0.69	-1.89	-1.34	-1.58e-04	1.78e-04	-2.30e-05
4533	52	0.77	-0.34	-1.80	-2.78e-04	1.02e-04	-2.32e-05
4533	68	0.54	0.39	-1.38	-2.37e-04	5.54e-05	-1.59e-05
4533	88	0.49	-1.27	-0.97	-1.20e-04	1.23e-04	-1.70e-05
4533	92	0.55	-0.24	-1.28	-2.01e-04	7.29e-05	-1.71e-05
4533	98	0.46	-0.19	-1.09	-1.81e-04	6.27e-05	-1.58e-05
4533	105	0.45	-0.39	-1.01	-1.63e-04	7.20e-05	-1.56e-05
4533	107	0.45	-0.18	-1.05	-1.75e-04	6.05e-05	-1.54e-05
4533	112	14.21	9.24	-0.88	-1.07e-04	2.00e-04	-6.27e-04
4533	136	8.22	11.84	-2.86	-8.94e-04	3.66e-05	-4.10e-04
4533	139	-7.33	-12.19	0.76	5.44e-04	8.44e-05	3.79e-04
4533	144	15.97	10.43	-0.86	-9.90e-05	2.18e-04	-7.05e-04
4533	168	9.24	13.36	-3.09	-9.84e-04	3.37e-05	-4.61e-04
4533	171	-8.35	-13.71	0.99	6.34e-04	8.73e-05	4.30e-04
4533	176	16.09	10.29	-0.89	-1.13e-04	2.17e-04	-6.94e-04
4533	200	9.50	13.33	-3.06	-9.73e-04	3.47e-05	-4.63e-04
4533	203	-8.61	-13.68	0.96	6.23e-04	8.63e-05	4.32e-04
4533	216	18.99	12.95	-2.52	-7.57e-04	1.80e-04	-8.96e-04
4533	232	11.32	15.68	-3.39	-1.11e-03	3.13e-05	-5.48e-04
4533	235	-10.42	-16.04	1.30	7.55e-04	8.97e-05	5.17e-04
4534	4	0.67	0.58	-1.73	0.0	8.76e-05	4.05e-06
4534	44	0.41	-1.78	-1.22	0.0	2.04e-04	-5.51e-05
4534	68	0.48	0.38	-1.22	0.0	6.41e-05	2.02e-06
4534	88	0.30	-1.19	-0.88	0.0	1.42e-04	-3.74e-05
4534	98	0.38	-0.17	-0.97	0.0	7.24e-05	-6.71e-06
4534	105	0.35	-0.36	-0.90	0.0	8.29e-05	-1.26e-05
4534	107	0.37	-0.16	-0.93	0.0	6.98e-05	-6.59e-06
4534	112	13.68	8.88	-0.79	0.0	3.76e-04	-6.65e-04
4534	136	7.89	11.28	-2.31	0.0	2.33e-04	-4.21e-04
4534	139	-7.15	-11.59	0.45	0.0	-9.35e-05	4.08e-04
4534	144	15.37	10.02	-0.78	0.0	4.15e-04	-7.48e-04
4534	168	8.87	12.72	-2.48	0.0	2.54e-04	-4.75e-04
4534	171	-8.14	-13.04	0.62	0.0	-1.15e-04	4.62e-04
4534	176	15.49	9.90	-0.80	0.0	4.15e-04	-7.40e-04
4534	200	9.13	12.70	-2.46	0.0	2.57e-04	-4.79e-04
4534	203	-8.39	-13.02	0.60	0.0	-1.17e-04	4.66e-04
4534	216	18.29	12.45	-2.06	0.0	4.20e-04	-9.37e-04
4534	232	10.88	14.95	-2.72	0.0	2.92e-04	-5.69e-04
4534	235	-10.14	-15.27	0.85	0.0	-1.53e-04	5.56e-04
4535	4	0.71	0.58	-1.74	0.0	7.63e-05	-7.57e-06
4535	44	0.53	-1.84	-1.23	0.0	2.50e-04	-4.23e-05
4535	68	0.50	0.38	-1.23	0.0	5.67e-05	-6.19e-06
4535	88	0.39	-1.23	-0.89	0.0	1.72e-04	-2.93e-05
4535	98	0.42	-0.18	-0.98	0.0	7.39e-05	-1.11e-05
4535	105	0.39	-0.38	-0.91	0.0	9.02e-05	-1.44e-05
4535	107	0.40	-0.17	-0.94	0.0	7.13e-05	-1.09e-05
4535	112	13.82	9.06	-0.80	0.0	2.38e-04	-6.47e-04
4535	136	7.98	11.55	-2.31	0.0	3.09e-05	-4.16e-04
4535	139	-7.17	-11.89	0.44	0.0	1.12e-04	3.94e-04
4535	144	15.54	10.22	-0.78	0.0	2.59e-04	-7.28e-04
4535	168	8.97	13.04	-2.49	0.0	2.60e-05	-4.69e-04
4535	171	-8.17	-13.38	0.62	0.0	1.17e-04	4.47e-04
4535	176	15.65	10.09	-0.81	0.0	2.58e-04	-7.18e-04
4535	200	9.23	13.01	-2.47	0.0	2.76e-05	-4.72e-04
4535	203	-8.42	-13.35	0.60	0.0	1.15e-04	4.50e-04
4535	216	18.44	12.69	-2.07	0.0	2.24e-04	-9.17e-04
4535	232	10.99	15.31	-2.72	0.0	2.19e-05	-5.60e-04
4535	235	-10.19	-15.65	0.85	0.0	1.21e-04	5.38e-04
4536	4	0.75	0.59	-1.75	-3.54e-04	7.59e-05	-2.00e-05
4536	44	0.67	-1.89	-1.24	-1.81e-04	1.78e-04	-2.14e-05
4536	52	0.76	-0.35	-1.63	-3.01e-04	1.02e-04	-2.17e-05
4536	68	0.53	0.38	-1.24	-2.51e-04	5.54e-05	-1.48e-05
4536	88	0.48	-1.27	-0.90	-1.36e-04	1.23e-04	-1.58e-05
4536	92	0.54	-0.24	-1.16	-2.16e-04	7.29e-05	-1.59e-05

4536	98	0.46	-0.19	-0.98	-1.93e-04	6.27e-05	-1.47e-05
4536	105	0.44	-0.39	-0.91	-1.74e-04	7.20e-05	-1.46e-05
4536	107	0.44	-0.18	-0.94	-1.86e-04	6.05e-05	-1.44e-05
4536	112	13.93	9.24	-0.81	-1.24e-04	2.00e-04	-6.25e-04
4536	136	8.05	11.83	-2.32	-8.70e-04	3.66e-05	-4.08e-04
4536	139	-7.17	-12.19	0.44	4.98e-04	8.44e-05	3.79e-04
4536	144	15.65	10.42	-0.79	-1.16e-04	2.18e-04	-7.02e-04
4536	168	9.05	13.35	-2.49	-9.56e-04	3.37e-05	-4.59e-04
4536	171	-8.17	-13.71	0.61	5.84e-04	8.73e-05	4.30e-04
4536	176	15.77	10.29	-0.81	-1.30e-04	2.17e-04	-6.91e-04
4536	200	9.30	13.33	-2.47	-9.45e-04	3.47e-05	-4.61e-04
4536	203	-8.42	-13.68	0.59	5.73e-04	8.63e-05	4.32e-04
4536	216	18.53	12.95	-2.07	-7.35e-04	1.80e-04	-8.92e-04
4536	232	11.07	15.68	-2.73	-1.07e-03	3.13e-05	-5.46e-04
4536	235	-10.19	-16.04	0.85	6.99e-04	8.97e-05	5.17e-04
4537	4	0.67	0.58	-1.50	0.0	8.43e-05	-1.62e-05
4537	44	0.41	-1.78	-1.09	0.0	1.98e-04	6.47e-06
4537	68	0.47	0.38	-1.06	0.0	6.16e-05	-1.16e-05
4537	88	0.30	-1.19	-0.78	0.0	1.37e-04	3.51e-06
4537	98	0.38	-0.17	-0.84	0.0	6.95e-05	-7.84e-06
4537	105	0.34	-0.36	-0.79	0.0	7.97e-05	-5.33e-06
4537	107	0.36	-0.16	-0.81	0.0	6.70e-05	-7.70e-06
4537	112	13.38	8.88	-0.70	0.0	3.76e-04	-6.50e-04
4537	136	7.71	11.28	-1.78	0.0	2.28e-04	-4.21e-04
4537	139	-6.98	-11.59	0.17	0.0	-9.38e-05	4.05e-04
4537	144	15.03	10.02	-0.69	0.0	4.15e-04	-7.31e-04
4537	168	8.67	12.72	-1.90	0.0	2.49e-04	-4.74e-04
4537	171	-7.95	-13.04	0.29	0.0	-1.15e-04	4.59e-04
4537	176	15.15	9.90	-0.71	0.0	4.15e-04	-7.21e-04
4537	200	8.92	12.70	-1.89	0.0	2.51e-04	-4.77e-04
4537	203	-8.19	-13.02	0.27	0.0	-1.17e-04	4.62e-04
4537	216	17.81	12.45	-1.62	0.0	4.11e-04	-9.22e-04
4537	232	10.62	14.95	-2.07	0.0	2.86e-04	-5.67e-04
4537	235	-9.90	-15.27	0.45	0.0	-1.52e-04	5.52e-04
4538	4	0.70	0.58	-1.51	0.0	7.22e-05	-1.77e-05
4538	44	0.53	-1.84	-1.10	0.0	2.40e-04	-5.59e-06
4538	68	0.50	0.38	-1.06	0.0	5.35e-05	-1.29e-05
4538	88	0.38	-1.23	-0.79	0.0	1.66e-04	-4.83e-06
4538	98	0.41	-0.18	-0.85	0.0	6.99e-05	-1.07e-05
4538	105	0.38	-0.38	-0.79	0.0	8.58e-05	-9.25e-06
4538	107	0.40	-0.17	-0.81	0.0	6.74e-05	-1.05e-05
4538	112	13.53	9.06	-0.71	0.0	2.56e-04	-6.42e-04
4538	136	7.80	11.55	-1.79	0.0	3.23e-05	-4.17e-04
4538	139	-7.01	-11.89	0.16	0.0	1.03e-04	3.96e-04
4538	144	15.20	10.22	-0.69	0.0	2.79e-04	-7.22e-04
4538	168	8.78	13.04	-1.91	0.0	2.80e-05	-4.70e-04
4538	171	-7.98	-13.38	0.28	0.0	1.07e-04	4.49e-04
4538	176	15.32	10.09	-0.71	0.0	2.78e-04	-7.12e-04
4538	200	9.02	13.01	-1.90	0.0	2.96e-05	-4.73e-04
4538	203	-8.23	-13.35	0.27	0.0	1.05e-04	4.52e-04
4538	208	18.00	11.81	-0.70	0.0	3.15e-04	-8.31e-04
4538	232	10.74	15.31	-2.08	0.0	2.48e-05	-5.61e-04
4538	235	-9.95	-15.65	0.45	0.0	1.10e-04	5.40e-04
4539	4	0.74	0.59	-1.53	-3.57e-04	7.59e-05	-2.01e-05
4539	44	0.66	-1.89	-1.11	-1.94e-04	1.78e-04	-2.15e-05
4539	52	0.75	-0.35	-1.43	-3.08e-04	1.02e-04	-2.18e-05
4539	68	0.52	0.38	-1.08	-2.53e-04	5.54e-05	-1.49e-05
4539	88	0.47	-1.27	-0.80	-1.44e-04	1.23e-04	-1.59e-05
4539	92	0.53	-0.24	-1.01	-2.20e-04	7.29e-05	-1.60e-05
4539	98	0.45	-0.19	-0.86	-1.95e-04	6.27e-05	-1.48e-05
4539	105	0.43	-0.39	-0.80	-1.77e-04	7.20e-05	-1.46e-05
4539	107	0.43	-0.18	-0.82	-1.88e-04	6.05e-05	-1.45e-05
4539	112	13.65	9.23	-0.72	-1.31e-04	2.00e-04	-6.25e-04
4539	136	7.88	11.83	-1.80	-8.05e-04	3.66e-05	-4.08e-04
4539	139	-7.02	-12.19	0.15	4.29e-04	8.44e-05	3.79e-04
4539	144	15.34	10.42	-0.70	-1.24e-04	2.18e-04	-7.02e-04
4539	168	8.86	13.35	-1.92	-8.82e-04	3.37e-05	-4.59e-04
4539	171	-8.00	-13.71	0.28	5.06e-04	8.73e-05	4.30e-04
4539	176	15.45	10.28	-0.72	-1.36e-04	2.17e-04	-6.91e-04
4539	200	9.10	13.32	-1.91	-8.72e-04	3.47e-05	-4.61e-04
4539	203	-8.24	-13.68	0.26	4.96e-04	8.63e-05	4.32e-04
4539	208	18.16	12.03	-0.71	-1.33e-04	2.44e-04	-8.05e-04
4539	232	10.83	15.68	-2.09	-9.86e-04	3.13e-05	-5.46e-04
4539	235	-9.97	-16.03	0.45	6.10e-04	8.97e-05	5.17e-04
4540	4	0.40	0.56	-1.20	0.0	1.47e-04	-1.21e-05

4540	44	0.27	-1.52	-0.90	0.0	-7.27e-06	1.85e-05
4540	68	0.28	0.37	-0.85	0.0	1.03e-04	-8.42e-06
4540	88	0.20	-1.02	-0.65	0.0	0.0	1.20e-05
4540	98	0.23	-0.12	-0.68	0.0	6.98e-05	-3.77e-06
4540	105	0.21	-0.29	-0.64	0.0	5.26e-05	0.0
4540	107	0.22	-0.11	-0.65	0.0	6.72e-05	-3.68e-06
4540	112	11.89	8.10	-0.58	0.0	7.56e-04	-5.59e-04
4540	136	6.83	10.06	-1.22	0.0	4.55e-04	-3.62e-04
4540	139	-6.39	-10.29	-0.08	0.0	-3.21e-04	3.55e-04
4540	144	13.38	9.14	-0.57	0.0	8.43e-04	-6.29e-04
4540	168	7.69	11.35	-1.30	0.0	5.06e-04	-4.08e-04
4540	171	-7.25	-11.58	-5.78e-03	0.0	-3.72e-04	4.01e-04
4540	176	13.48	9.04	-0.58	0.0	8.46e-04	-6.21e-04
4540	200	7.91	11.34	-1.29	0.0	5.19e-04	-4.11e-04
4540	203	-7.47	-11.57	-0.01	0.0	-3.84e-04	4.04e-04
4540	208	15.87	10.58	-0.58	0.0	9.86e-04	-7.25e-04
4540	232	9.44	13.35	-1.39	0.0	6.09e-04	-4.89e-04
4540	235	-9.00	-13.58	0.09	0.0	-4.75e-04	4.82e-04
4541	4	0.48	0.57	-1.22	0.0	1.36e-04	-2.04e-05
4541	44	0.27	-1.59	-0.91	0.0	2.63e-05	3.79e-05
4541	68	0.34	0.37	-0.86	0.0	9.62e-05	-1.41e-05
4541	88	0.20	-1.07	-0.66	0.0	2.29e-05	2.47e-05
4541	98	0.27	-0.13	-0.69	0.0	6.95e-05	-5.09e-06
4541	105	0.24	-0.31	-0.65	0.0	5.69e-05	1.05e-06
4541	107	0.26	-0.13	-0.66	0.0	6.70e-05	-4.99e-06
4541	112	12.27	8.31	-0.59	0.0	6.78e-04	-5.88e-04
4541	136	7.06	10.38	-1.24	0.0	4.07e-04	-3.85e-04
4541	139	-6.54	-10.63	-0.07	0.0	-2.73e-04	3.75e-04
4541	144	13.80	9.37	-0.58	0.0	7.56e-04	-6.62e-04
4541	168	7.95	11.71	-1.32	0.0	4.52e-04	-4.34e-04
4541	171	-7.44	-11.96	-1.17e-03	0.0	-3.18e-04	4.24e-04
4541	176	13.91	9.26	-0.59	0.0	7.58e-04	-6.53e-04
4541	200	8.17	11.70	-1.31	0.0	4.62e-04	-4.37e-04
4541	203	-7.66	-11.95	-8.57e-03	0.0	-3.28e-04	4.27e-04
4541	208	16.36	10.84	-0.59	0.0	8.82e-04	-7.63e-04
4541	232	9.74	13.77	-1.42	0.0	5.41e-04	-5.19e-04
4541	235	-9.23	-14.02	0.10	0.0	-4.07e-04	5.09e-04
4542	4	0.55	0.57	-1.23	0.0	1.20e-04	-2.57e-05
4542	44	0.30	-1.66	-0.93	0.0	7.56e-05	4.88e-05
4542	68	0.39	0.37	-0.87	0.0	8.53e-05	-1.78e-05
4542	88	0.22	-1.11	-0.66	0.0	5.57e-05	3.19e-05
4542	98	0.30	-0.15	-0.70	0.0	6.89e-05	-6.20e-06
4542	105	0.27	-0.33	-0.65	0.0	6.29e-05	1.61e-06
4542	107	0.29	-0.14	-0.67	0.0	6.64e-05	-6.09e-06
4542	112	12.60	8.51	-0.60	0.0	5.74e-04	-6.12e-04
4542	136	7.25	10.69	-1.26	0.0	3.43e-04	-4.03e-04
4542	139	-6.67	-10.96	-0.07	0.0	-2.10e-04	3.90e-04
4542	144	14.17	9.60	-0.59	0.0	6.39e-04	-6.89e-04
4542	168	8.17	12.06	-1.34	0.0	3.79e-04	-4.54e-04
4542	171	-7.59	-12.34	3.28e-03	0.0	-2.46e-04	4.42e-04
4542	176	14.27	9.48	-0.60	0.0	6.40e-04	-6.79e-04
4542	200	8.39	12.05	-1.33	0.0	3.87e-04	-4.57e-04
4542	203	-7.81	-12.32	-4.31e-03	0.0	-2.54e-04	4.44e-04
4542	208	16.79	11.10	-0.59	0.0	7.43e-04	-7.93e-04
4542	232	10.00	14.18	-1.44	0.0	4.50e-04	-5.43e-04
4542	235	-9.42	-14.45	0.11	0.0	-3.18e-04	5.30e-04
4543	4	0.61	0.58	-1.24	0.0	1.02e-04	-2.74e-05
4543	44	0.35	-1.72	-0.93	0.0	1.30e-04	4.77e-05
4543	68	0.43	0.38	-0.87	0.0	7.32e-05	-1.90e-05
4543	88	0.26	-1.15	-0.67	0.0	9.21e-05	3.10e-05
4543	98	0.34	-0.16	-0.70	0.0	6.80e-05	-7.32e-06
4543	105	0.30	-0.34	-0.66	0.0	6.96e-05	0.0
4543	107	0.32	-0.15	-0.67	0.0	6.55e-05	-7.19e-06
4543	112	12.87	8.70	-0.60	0.0	4.66e-04	-6.28e-04
4543	136	7.41	10.99	-1.27	0.0	2.76e-04	-4.14e-04
4543	139	-6.76	-11.29	-0.07	0.0	-1.45e-04	3.99e-04
4543	144	14.47	9.82	-0.59	0.0	5.16e-04	-7.07e-04
4543	168	8.34	12.40	-1.35	0.0	3.04e-04	-4.66e-04
4543	171	-7.69	-12.70	6.49e-03	0.0	-1.73e-04	4.52e-04
4543	176	14.57	9.70	-0.60	0.0	5.17e-04	-6.97e-04
4543	200	8.57	12.39	-1.34	0.0	3.09e-04	-4.69e-04
4543	203	-7.92	-12.68	-1.25e-03	0.0	-1.78e-04	4.55e-04
4543	208	17.14	11.35	-0.60	0.0	5.97e-04	-8.13e-04
4543	232	10.21	14.58	-1.46	0.0	3.57e-04	-5.57e-04
4543	235	-9.56	-14.87	0.11	0.0	-2.26e-04	5.43e-04

4544	4	0.39	0.56	-1.00	0.0	1.36e-04	-1.28e-05
4544	44	0.29	-1.52	-0.78	0.0	2.03e-05	2.29e-05
4544	68	0.28	0.37	-0.71	0.0	9.55e-05	-8.80e-06
4544	88	0.21	-1.02	-0.56	0.0	1.87e-05	1.50e-05
4544	98	0.23	-0.12	-0.57	0.0	6.81e-05	-3.38e-06
4544	105	0.21	-0.29	-0.54	0.0	5.49e-05	0.0
4544	107	0.22	-0.11	-0.55	0.0	6.56e-05	-3.27e-06
4544	112	11.62	8.10	-0.51	0.0	7.33e-04	-5.61e-04
4544	136	6.67	10.06	-0.86	0.0	4.44e-04	-3.64e-04
4544	139	-6.23	-10.29	-0.23	0.0	-3.13e-04	3.58e-04
4544	144	13.08	9.14	-0.50	0.0	8.18e-04	-6.31e-04
4544	168	7.51	11.35	-0.90	0.0	4.93e-04	-4.11e-04
4544	171	-7.08	-11.58	-0.19	0.0	-3.62e-04	4.04e-04
4544	176	13.17	9.04	-0.51	0.0	8.21e-04	-6.23e-04
4544	200	7.72	11.34	-0.90	0.0	5.04e-04	-4.14e-04
4544	203	-7.28	-11.57	-0.19	0.0	-3.73e-04	4.08e-04
4544	208	15.50	10.58	-0.50	0.0	9.56e-04	-7.28e-04
4544	232	9.21	13.35	-0.96	0.0	5.91e-04	-4.93e-04
4544	235	-8.77	-13.58	-0.13	0.0	-4.60e-04	4.86e-04
4545	4	0.46	0.57	-1.02	0.0	1.27e-04	-2.18e-05
4545	44	0.30	-1.59	-0.80	0.0	4.56e-05	4.46e-05
4545	68	0.33	0.37	-0.72	0.0	9.01e-05	-1.50e-05
4545	88	0.22	-1.07	-0.57	0.0	3.55e-05	2.93e-05
4545	98	0.26	-0.13	-0.58	0.0	6.78e-05	-4.77e-06
4545	105	0.24	-0.31	-0.55	0.0	5.81e-05	2.22e-06
4545	107	0.25	-0.13	-0.55	0.0	6.53e-05	-4.66e-06
4545	112	11.99	8.31	-0.52	0.0	6.60e-04	-5.90e-04
4545	136	6.89	10.38	-0.88	0.0	3.98e-04	-3.88e-04
4545	139	-6.39	-10.63	-0.23	0.0	-2.67e-04	3.78e-04
4545	144	13.49	9.37	-0.51	0.0	7.36e-04	-6.64e-04
4545	168	7.76	11.71	-0.92	0.0	4.41e-04	-4.37e-04
4545	171	-7.26	-11.97	-0.19	0.0	-3.11e-04	4.28e-04
4545	176	13.59	9.26	-0.52	0.0	7.38e-04	-6.55e-04
4545	200	7.97	11.70	-0.92	0.0	4.51e-04	-4.40e-04
4545	203	-7.47	-11.95	-0.19	0.0	-3.20e-04	4.31e-04
4545	208	15.99	10.84	-0.51	0.0	8.58e-04	-7.65e-04
4545	232	9.50	13.77	-0.98	0.0	5.27e-04	-5.24e-04
4545	235	-9.00	-14.02	-0.13	0.0	-3.96e-04	5.14e-04
4546	4	0.53	0.57	-1.03	0.0	1.15e-04	-2.78e-05
4546	44	0.33	-1.66	-0.81	0.0	8.13e-05	5.61e-05
4546	68	0.37	0.37	-0.73	0.0	8.21e-05	-1.91e-05
4546	88	0.24	-1.11	-0.58	0.0	5.93e-05	3.68e-05
4546	98	0.30	-0.15	-0.59	0.0	6.73e-05	-6.17e-06
4546	105	0.27	-0.33	-0.55	0.0	6.24e-05	2.63e-06
4546	107	0.29	-0.14	-0.56	0.0	6.48e-05	-6.03e-06
4546	112	12.31	8.50	-0.52	0.0	5.63e-04	-6.10e-04
4546	136	7.08	10.69	-0.90	0.0	3.36e-04	-4.04e-04
4546	139	-6.51	-10.96	-0.23	0.0	-2.07e-04	3.92e-04
4546	144	13.85	9.60	-0.52	0.0	6.26e-04	-6.87e-04
4546	168	7.98	12.06	-0.94	0.0	3.72e-04	-4.56e-04
4546	171	-7.40	-12.34	-0.18	0.0	-2.42e-04	4.44e-04
4546	176	13.95	9.48	-0.52	0.0	6.28e-04	-6.77e-04
4546	200	8.19	12.05	-0.94	0.0	3.79e-04	-4.59e-04
4546	203	-7.62	-12.32	-0.19	0.0	-2.49e-04	4.47e-04
4546	208	16.40	11.10	-0.52	0.0	7.28e-04	-7.90e-04
4546	232	9.76	14.18	-1.00	0.0	4.41e-04	-5.45e-04
4546	235	-9.19	-14.45	-0.13	0.0	-3.11e-04	5.33e-04
4547	4	0.59	0.58	-1.04	0.0	1.02e-04	-2.96e-05
4547	44	0.39	-1.72	-0.82	0.0	1.20e-04	5.43e-05
4547	68	0.41	0.38	-0.73	0.0	7.32e-05	-2.05e-05
4547	88	0.28	-1.15	-0.58	0.0	8.52e-05	3.54e-05
4547	98	0.33	-0.16	-0.59	0.0	6.65e-05	-7.50e-06
4547	105	0.31	-0.34	-0.56	0.0	6.70e-05	1.31e-06
4547	107	0.32	-0.15	-0.57	0.0	6.41e-05	-7.35e-06
4547	112	12.58	8.70	-0.53	0.0	4.60e-04	-6.22e-04
4547	136	7.24	10.99	-0.91	0.0	2.72e-04	-4.13e-04
4547	139	-6.60	-11.29	-0.23	0.0	-1.44e-04	3.98e-04
4547	144	14.14	9.82	-0.52	0.0	5.10e-04	-7.00e-04
4547	168	8.15	12.40	-0.95	0.0	2.99e-04	-4.65e-04
4547	171	-7.51	-12.70	-0.18	0.0	-1.71e-04	4.51e-04
4547	176	14.24	9.70	-0.53	0.0	5.11e-04	-6.90e-04
4547	200	8.37	12.39	-0.95	0.0	3.04e-04	-4.68e-04
4547	203	-7.73	-12.68	-0.19	0.0	-1.75e-04	4.54e-04
4547	208	16.74	11.35	-0.52	0.0	5.90e-04	-8.05e-04
4547	232	9.96	14.58	-1.01	0.0	3.50e-04	-5.56e-04

4547	235	-9.32	-14.87	-0.12	0.0	-2.22e-04	5.41e-04
4548	4	0.39	0.56	-0.86	0.0	1.25e-04	-1.14e-05
4548	44	0.30	-1.52	-0.70	0.0	4.65e-05	2.03e-05
4548	68	0.27	0.37	-0.61	0.0	8.84e-05	-7.86e-06
4548	88	0.22	-1.02	-0.50	0.0	3.60e-05	1.33e-05
4548	98	0.23	-0.12	-0.49	0.0	6.66e-05	-3.09e-06
4548	105	0.21	-0.29	-0.47	0.0	5.72e-05	0.0
4548	107	0.22	-0.12	-0.47	0.0	6.41e-05	-2.98e-06
4548	112	11.36	8.10	-0.45	0.0	7.11e-04	-5.63e-04
4548	136	6.51	10.06	-0.63	0.0	4.32e-04	-3.66e-04
4548	139	-6.08	-10.29	-0.31	0.0	-3.04e-04	3.60e-04
4548	144	12.78	9.14	-0.45	0.0	7.94e-04	-6.34e-04
4548	168	7.34	11.35	-0.65	0.0	4.80e-04	-4.13e-04
4548	171	-6.91	-11.58	-0.29	0.0	-3.52e-04	4.07e-04
4548	176	12.87	9.04	-0.45	0.0	7.96e-04	-6.26e-04
4548	200	7.53	11.34	-0.65	0.0	4.89e-04	-4.16e-04
4548	203	-7.10	-11.57	-0.30	0.0	-3.61e-04	4.10e-04
4548	208	15.14	10.58	-0.45	0.0	9.26e-04	-7.32e-04
4548	232	8.98	13.35	-0.68	0.0	5.73e-04	-4.96e-04
4548	235	-8.55	-13.58	-0.27	0.0	-4.45e-04	4.90e-04
4549	4	0.45	0.56	-0.88	0.0	1.19e-04	-1.94e-05
4549	44	0.33	-1.59	-0.71	0.0	6.33e-05	3.94e-05
4549	68	0.32	0.37	-0.62	0.0	8.45e-05	-1.33e-05
4549	88	0.24	-1.07	-0.51	0.0	4.71e-05	2.59e-05
4549	98	0.26	-0.14	-0.50	0.0	6.63e-05	-4.33e-06
4549	105	0.24	-0.31	-0.47	0.0	5.92e-05	1.88e-06
4549	107	0.25	-0.13	-0.48	0.0	6.38e-05	-4.20e-06
4549	112	11.72	8.31	-0.46	0.0	6.44e-04	-5.90e-04
4549	136	6.73	10.38	-0.64	0.0	3.89e-04	-3.88e-04
4549	139	-6.23	-10.63	-0.32	0.0	-2.61e-04	3.80e-04
4549	144	13.18	9.37	-0.46	0.0	7.18e-04	-6.64e-04
4549	168	7.58	11.71	-0.66	0.0	4.31e-04	-4.38e-04
4549	171	-7.08	-11.97	-0.30	0.0	-3.04e-04	4.30e-04
4549	176	13.27	9.26	-0.46	0.0	7.19e-04	-6.56e-04
4549	200	7.78	11.70	-0.66	0.0	4.39e-04	-4.41e-04
4549	203	-7.28	-11.95	-0.30	0.0	-3.12e-04	4.33e-04
4549	208	15.61	10.84	-0.46	0.0	8.36e-04	-7.66e-04
4549	232	9.27	13.77	-0.69	0.0	5.13e-04	-5.25e-04
4549	235	-8.77	-14.02	-0.27	0.0	-3.85e-04	5.17e-04
4550	4	0.51	0.57	-0.89	0.0	1.11e-04	-2.46e-05
4550	44	0.37	-1.66	-0.72	0.0	8.61e-05	4.90e-05
4550	68	0.36	0.37	-0.63	0.0	7.91e-05	-1.70e-05
4550	88	0.26	-1.11	-0.51	0.0	6.23e-05	3.21e-05
4550	98	0.30	-0.15	-0.51	0.0	6.57e-05	-5.64e-06
4550	105	0.27	-0.33	-0.48	0.0	6.18e-05	2.10e-06
4550	107	0.28	-0.14	-0.49	0.0	6.32e-05	-5.50e-06
4550	112	12.03	8.50	-0.47	0.0	5.54e-04	-6.09e-04
4550	136	6.92	10.69	-0.65	0.0	3.31e-04	-4.04e-04
4550	139	-6.35	-10.96	-0.32	0.0	-2.04e-04	3.93e-04
4550	144	13.53	9.60	-0.46	0.0	6.16e-04	-6.85e-04
4550	168	7.79	12.06	-0.67	0.0	3.66e-04	-4.55e-04
4550	171	-7.22	-12.34	-0.30	0.0	-2.39e-04	4.44e-04
4550	176	13.62	9.48	-0.47	0.0	6.17e-04	-6.76e-04
4550	200	7.99	12.05	-0.67	0.0	3.72e-04	-4.59e-04
4550	203	-7.43	-12.32	-0.30	0.0	-2.46e-04	4.48e-04
4550	208	16.02	11.10	-0.46	0.0	7.15e-04	-7.89e-04
4550	232	9.52	14.18	-0.70	0.0	4.32e-04	-5.45e-04
4550	235	-8.95	-14.45	-0.27	0.0	-3.06e-04	5.34e-04
4551	4	0.57	0.58	-0.90	0.0	1.02e-04	-2.63e-05
4551	44	0.42	-1.72	-0.73	0.0	1.11e-04	4.69e-05
4551	68	0.40	0.38	-0.63	0.0	7.32e-05	-1.82e-05
4551	88	0.30	-1.15	-0.52	0.0	7.87e-05	3.06e-05
4551	98	0.33	-0.16	-0.51	0.0	6.50e-05	-6.92e-06
4551	105	0.31	-0.34	-0.49	0.0	6.45e-05	0.0
4551	107	0.32	-0.15	-0.49	0.0	6.26e-05	-6.76e-06
4551	112	12.29	8.70	-0.47	0.0	4.56e-04	-6.20e-04
4551	136	7.07	10.99	-0.66	0.0	2.68e-04	-4.12e-04
4551	139	-6.44	-11.29	-0.32	0.0	-1.43e-04	3.98e-04
4551	144	13.82	9.82	-0.47	0.0	5.05e-04	-6.98e-04
4551	168	7.96	12.40	-0.68	0.0	2.95e-04	-4.64e-04
4551	171	-7.33	-12.70	-0.30	0.0	-1.70e-04	4.51e-04
4551	176	13.91	9.70	-0.47	0.0	5.06e-04	-6.88e-04
4551	200	8.17	12.39	-0.68	0.0	2.99e-04	-4.67e-04
4551	203	-7.53	-12.68	-0.30	0.0	-1.74e-04	4.54e-04
4551	208	16.36	11.35	-0.47	0.0	5.84e-04	-8.03e-04

4551	232	9.72	14.58	-0.71	0.0	3.46e-04	-5.55e-04
4551	235	-9.09	-14.87	-0.27	0.0	-2.21e-04	5.42e-04
4552	4	0.38	0.56	-0.76	0.0	1.17e-04	-9.39e-06
4552	44	0.31	-1.52	-0.65	0.0	6.66e-05	1.56e-05
4552	52	0.38	-0.22	-0.75	0.0	1.08e-04	-4.55e-06
4552	68	0.27	0.37	-0.54	0.0	8.28e-05	-6.46e-06
4552	88	0.22	-1.02	-0.46	0.0	4.92e-05	1.02e-05
4552	92	0.27	-0.15	-0.53	0.0	7.69e-05	-3.23e-06
4552	98	0.22	-0.12	-0.44	0.0	6.55e-05	-2.74e-06
4552	105	0.21	-0.29	-0.42	0.0	5.89e-05	0.0
4552	107	0.21	-0.12	-0.42	0.0	6.30e-05	-2.63e-06
4552	112	11.10	8.10	-0.41	0.0	6.90e-04	-5.73e-04
4552	136	6.36	10.06	-0.47	0.0	4.21e-04	-3.72e-04
4552	139	-5.93	-10.29	-0.37	0.0	-2.95e-04	3.66e-04
4552	144	12.48	9.14	-0.41	0.0	7.70e-04	-6.46e-04
4552	168	7.16	11.35	-0.48	0.0	4.67e-04	-4.19e-04
4552	171	-6.73	-11.58	-0.36	0.0	-3.41e-04	4.14e-04
4552	176	12.57	9.04	-0.42	0.0	7.71e-04	-6.38e-04
4552	200	7.34	11.34	-0.48	0.0	4.75e-04	-4.23e-04
4552	203	-6.92	-11.58	-0.36	0.0	-3.49e-04	4.18e-04
4552	208	14.78	10.58	-0.41	0.0	8.97e-04	-7.47e-04
4552	232	8.75	13.35	-0.49	0.0	5.55e-04	-5.04e-04
4552	235	-8.32	-13.58	-0.35	0.0	-4.29e-04	4.99e-04
4553	4	0.44	0.56	-0.78	0.0	1.13e-04	-1.55e-05
4553	44	0.35	-1.59	-0.66	0.0	7.68e-05	2.97e-05
4553	68	0.31	0.37	-0.55	0.0	8.00e-05	-1.06e-05
4553	88	0.25	-1.07	-0.47	0.0	5.60e-05	1.95e-05
4553	98	0.26	-0.14	-0.45	0.0	6.49e-05	-3.78e-06
4553	105	0.24	-0.31	-0.43	0.0	5.99e-05	1.04e-06
4553	107	0.25	-0.13	-0.43	0.0	6.25e-05	-3.64e-06
4553	112	11.45	8.31	-0.42	0.0	6.31e-04	-5.93e-04
4553	136	6.57	10.38	-0.49	0.0	3.82e-04	-3.89e-04
4553	139	-6.08	-10.64	-0.37	0.0	-2.57e-04	3.82e-04
4553	144	12.87	9.37	-0.42	0.0	7.03e-04	-6.67e-04
4553	168	7.40	11.71	-0.49	0.0	4.23e-04	-4.39e-04
4553	171	-6.90	-11.97	-0.37	0.0	-2.98e-04	4.32e-04
4553	176	12.96	9.26	-0.42	0.0	7.04e-04	-6.59e-04
4553	200	7.59	11.70	-0.49	0.0	4.30e-04	-4.43e-04
4553	203	-7.09	-11.96	-0.37	0.0	-3.05e-04	4.35e-04
4553	208	15.24	10.85	-0.42	0.0	8.18e-04	-7.70e-04
4553	232	9.03	13.77	-0.50	0.0	5.01e-04	-5.27e-04
4553	235	-8.54	-14.03	-0.36	0.0	-3.77e-04	5.20e-04
4554	4	0.50	0.57	-0.79	0.0	1.08e-04	-1.95e-05
4554	44	0.39	-1.66	-0.67	0.0	8.93e-05	3.64e-05
4554	68	0.35	0.37	-0.56	0.0	7.66e-05	-1.34e-05
4554	88	0.28	-1.11	-0.48	0.0	6.43e-05	2.39e-05
4554	98	0.29	-0.15	-0.46	0.0	6.43e-05	-4.88e-06
4554	105	0.27	-0.33	-0.43	0.0	6.11e-05	1.05e-06
4554	107	0.28	-0.14	-0.44	0.0	6.19e-05	-4.72e-06
4554	112	11.76	8.50	-0.43	0.0	5.45e-04	-6.11e-04
4554	136	6.76	10.69	-0.49	0.0	3.26e-04	-4.04e-04
4554	139	-6.20	-10.96	-0.38	0.0	-2.02e-04	3.95e-04
4554	144	13.22	9.60	-0.43	0.0	6.07e-04	-6.88e-04
4554	168	7.60	12.06	-0.50	0.0	3.60e-04	-4.56e-04
4554	171	-7.04	-12.34	-0.37	0.0	-2.36e-04	4.46e-04
4554	176	13.30	9.48	-0.43	0.0	6.07e-04	-6.79e-04
4554	200	7.79	12.05	-0.50	0.0	3.66e-04	-4.59e-04
4554	203	-7.23	-12.32	-0.37	0.0	-2.42e-04	4.50e-04
4554	208	15.64	11.10	-0.43	0.0	7.04e-04	-7.93e-04
4554	232	9.28	14.18	-0.51	0.0	4.25e-04	-5.46e-04
4554	235	-8.72	-14.45	-0.36	0.0	-3.01e-04	5.37e-04
4555	4	0.55	0.58	-0.80	0.0	1.02e-04	-2.08e-05
4555	44	0.44	-1.72	-0.68	0.0	1.03e-04	3.44e-05
4555	68	0.39	0.38	-0.56	0.0	7.30e-05	-1.44e-05
4555	88	0.32	-1.15	-0.48	0.0	7.31e-05	2.24e-05
4555	98	0.33	-0.16	-0.46	0.0	6.36e-05	-6.00e-06
4555	105	0.31	-0.34	-0.44	0.0	6.23e-05	0.0
4555	107	0.31	-0.15	-0.44	0.0	6.12e-05	-5.83e-06
4555	112	12.01	8.70	-0.43	0.0	4.51e-04	-6.22e-04
4555	136	6.91	10.99	-0.50	0.0	2.65e-04	-4.12e-04
4555	139	-6.28	-11.29	-0.38	0.0	-1.42e-04	4.00e-04
4555	144	13.50	9.82	-0.43	0.0	5.00e-04	-7.00e-04
4555	168	7.77	12.40	-0.51	0.0	2.91e-04	-4.64e-04
4555	171	-7.15	-12.70	-0.38	0.0	-1.69e-04	4.53e-04
4555	176	13.59	9.70	-0.43	0.0	5.00e-04	-6.90e-04

4555	200	7.97	12.39	-0.51	0.0	2.96e-04	-4.68e-04
4555	203	-7.34	-12.68	-0.38	0.0	-1.73e-04	4.56e-04
4555	208	15.97	11.35	-0.43	0.0	5.78e-04	-8.06e-04
4555	232	9.48	14.58	-0.52	0.0	3.41e-04	-5.56e-04
4555	235	-8.85	-14.87	-0.37	0.0	-2.19e-04	5.44e-04
4556	4	0.38	0.56	-0.73	0.0	1.10e-04	-7.07e-06
4556	44	0.32	-1.52	-0.63	0.0	8.15e-05	1.07e-05
4556	52	0.38	-0.22	-0.73	0.0	1.06e-04	-3.89e-06
4556	68	0.26	0.37	-0.51	0.0	7.81e-05	-4.84e-06
4556	88	0.23	-1.02	-0.45	0.0	5.91e-05	7.00e-06
4556	92	0.27	-0.15	-0.51	0.0	7.56e-05	-2.71e-06
4556	98	0.22	-0.12	-0.42	0.0	6.42e-05	-2.26e-06
4556	105	0.21	-0.29	-0.40	0.0	5.99e-05	0.0
4556	107	0.21	-0.12	-0.40	0.0	6.17e-05	-2.13e-06
4556	112	10.83	8.10	-0.40	0.0	6.86e-04	-5.79e-04
4556	134	0.68	6.57	-0.42	0.0	1.01e-04	-5.35e-05
4556	139	-5.77	-10.30	-0.39	0.0	-2.96e-04	3.70e-04
4556	144	12.18	9.14	-0.40	0.0	7.65e-04	-6.53e-04
4556	166	0.75	7.42	-0.42	0.0	1.06e-04	-6.06e-05
4556	171	-6.56	-11.59	-0.39	0.0	-3.43e-04	4.18e-04
4556	176	12.26	9.04	-0.40	0.0	7.65e-04	-6.45e-04
4556	198	0.79	7.40	-0.42	0.0	1.07e-04	-6.36e-05
4556	203	-6.73	-11.58	-0.39	0.0	-3.49e-04	4.22e-04
4556	208	14.42	10.58	-0.40	0.0	8.90e-04	-7.55e-04
4556	230	0.92	8.68	-0.43	0.0	1.16e-04	-7.79e-05
4556	235	-8.10	-13.59	-0.39	0.0	-4.28e-04	5.04e-04
4557	4	0.43	0.56	-0.75	0.0	1.08e-04	-1.13e-05
4557	44	0.36	-1.59	-0.65	0.0	8.57e-05	1.94e-05
4557	52	0.43	-0.24	-0.74	0.0	1.06e-04	-5.16e-06
4557	68	0.31	0.37	-0.53	0.0	7.67e-05	-7.71e-06
4557	88	0.26	-1.07	-0.46	0.0	6.18e-05	1.28e-05
4557	92	0.31	-0.17	-0.52	0.0	7.51e-05	-3.63e-06
4557	98	0.26	-0.14	-0.43	0.0	6.38e-05	-3.14e-06
4557	105	0.24	-0.31	-0.41	0.0	6.01e-05	0.0
4557	107	0.25	-0.13	-0.41	0.0	6.13e-05	-2.97e-06
4557	112	11.17	8.31	-0.41	0.0	6.23e-04	-6.00e-04
4557	134	0.73	6.81	-0.43	0.0	9.22e-05	-5.99e-05
4557	139	-5.92	-10.64	-0.40	0.0	-2.55e-04	3.86e-04
4557	144	12.57	9.37	-0.41	0.0	6.94e-04	-6.76e-04
4557	166	0.80	7.68	-0.43	0.0	9.63e-05	-6.77e-05
4557	171	-6.73	-11.97	-0.40	0.0	-2.96e-04	4.36e-04
4557	176	12.64	9.26	-0.41	0.0	6.94e-04	-6.68e-04
4557	198	0.84	7.67	-0.43	0.0	9.76e-05	-7.09e-05
4557	203	-6.90	-11.96	-0.40	0.0	-3.02e-04	4.40e-04
4557	208	14.87	10.85	-0.41	0.0	8.06e-04	-7.81e-04
4557	230	0.98	8.99	-0.44	0.0	1.05e-04	-8.65e-05
4557	235	-8.31	-14.03	-0.40	0.0	-3.72e-04	5.26e-04
4558	4	0.49	0.57	-0.76	0.0	1.05e-04	-1.40e-05
4558	44	0.41	-1.66	-0.66	0.0	9.10e-05	2.35e-05
4558	52	0.49	-0.26	-0.75	0.0	1.05e-04	-6.37e-06
4558	68	0.35	0.37	-0.53	0.0	7.48e-05	-9.62e-06
4558	88	0.29	-1.11	-0.47	0.0	6.53e-05	1.54e-05
4558	92	0.35	-0.18	-0.53	0.0	7.44e-05	-4.52e-06
4558	98	0.29	-0.15	-0.44	0.0	6.31e-05	-4.00e-06
4558	105	0.27	-0.33	-0.42	0.0	6.04e-05	0.0
4558	107	0.28	-0.14	-0.42	0.0	6.07e-05	-3.81e-06
4558	112	11.48	8.50	-0.42	0.0	5.38e-04	-6.17e-04
4558	134	0.78	7.04	-0.44	0.0	8.09e-05	-6.43e-05
4558	139	-6.04	-10.97	-0.41	0.0	-2.01e-04	3.97e-04
4558	144	12.90	9.60	-0.41	0.0	5.99e-04	-6.94e-04
4558	166	0.85	7.95	-0.44	0.0	8.37e-05	-7.26e-05
4558	171	-6.86	-12.34	-0.41	0.0	-2.34e-04	4.49e-04
4558	176	12.98	9.48	-0.42	0.0	5.99e-04	-6.86e-04
4558	198	0.89	7.93	-0.44	0.0	8.51e-05	-7.59e-05
4558	203	-7.04	-12.32	-0.41	0.0	-2.39e-04	4.53e-04
4558	208	15.26	11.10	-0.41	0.0	6.94e-04	-8.01e-04
4558	230	1.03	9.30	-0.44	0.0	9.02e-05	-9.23e-05
4558	235	-8.48	-14.45	-0.40	0.0	-2.97e-04	5.41e-04
4559	4	0.54	0.58	-0.77	0.0	1.02e-04	-1.50e-05
4559	44	0.46	-1.72	-0.67	0.0	9.66e-05	2.17e-05
4559	52	0.54	-0.28	-0.76	0.0	1.04e-04	-7.60e-06
4559	68	0.38	0.38	-0.54	0.0	7.27e-05	-1.04e-05
4559	88	0.33	-1.15	-0.47	0.0	6.90e-05	1.41e-05
4559	92	0.38	-0.20	-0.54	0.0	7.36e-05	-5.46e-06
4559	98	0.32	-0.16	-0.44	0.0	6.24e-05	-4.91e-06

4559	105	0.31	-0.34	-0.42	0.0	6.05e-05	0.0
4559	107	0.31	-0.15	-0.43	0.0	6.00e-05	-4.71e-06
4559	112	11.73	8.70	-0.42	0.0	4.46e-04	-6.28e-04
4559	134	0.82	7.27	-0.44	0.0	6.92e-05	-6.67e-05
4559	139	-6.13	-11.29	-0.41	0.0	-1.42e-04	4.03e-04
4559	144	13.19	9.82	-0.42	0.0	4.95e-04	-7.06e-04
4559	166	0.89	8.20	-0.45	0.0	7.06e-05	-7.52e-05
4559	171	-6.97	-12.70	-0.41	0.0	-1.68e-04	4.56e-04
4559	176	13.27	9.70	-0.42	0.0	4.94e-04	-6.97e-04
4559	198	0.93	8.19	-0.45	0.0	7.21e-05	-7.85e-05
4559	203	-7.15	-12.68	-0.41	0.0	-1.72e-04	4.60e-04
4559	208	15.59	11.35	-0.42	0.0	5.71e-04	-8.15e-04
4559	230	1.07	9.60	-0.45	0.0	7.52e-05	-9.52e-05
4559	235	-8.62	-14.87	-0.41	0.0	-2.17e-04	5.49e-04
4560	28	0.37	-1.02	-0.73	0.0	1.02e-04	1.57e-06
4560	44	0.33	-1.52	-0.64	0.0	8.97e-05	5.68e-06
4560	52	0.38	-0.22	-0.72	0.0	1.05e-04	-3.52e-06
4560	80	0.26	-0.69	-0.51	0.0	7.28e-05	1.01e-06
4560	88	0.23	-1.02	-0.45	0.0	6.45e-05	3.74e-06
4560	92	0.27	-0.16	-0.51	0.0	7.46e-05	-2.39e-06
4560	98	0.22	-0.13	-0.42	0.0	6.32e-05	-1.90e-06
4560	105	0.21	-0.30	-0.40	0.0	6.03e-05	0.0
4560	107	0.21	-0.12	-0.40	0.0	6.09e-05	-1.75e-06
4560	111	-8.19	-7.89	-0.43	0.0	-4.33e-04	4.60e-04
4560	112	10.56	8.10	-0.38	0.0	6.77e-04	-5.86e-04
4560	139	-5.62	-10.30	-0.42	0.0	-2.95e-04	3.73e-04
4560	143	-9.26	-8.87	-0.43	0.0	-4.95e-04	5.18e-04
4560	144	11.88	9.14	-0.37	0.0	7.55e-04	-6.60e-04
4560	171	-6.38	-11.59	-0.42	0.0	-3.41e-04	4.22e-04
4560	175	-9.30	-8.72	-0.43	0.0	-4.95e-04	5.11e-04
4560	176	11.94	9.04	-0.37	0.0	7.54e-04	-6.53e-04
4560	203	-6.54	-11.58	-0.43	0.0	-3.46e-04	4.27e-04
4560	207	-10.98	-10.14	-0.44	0.0	-5.92e-04	5.97e-04
4560	208	14.04	10.59	-0.37	0.0	8.76e-04	-7.65e-04
4560	235	-7.86	-13.59	-0.43	0.0	-4.23e-04	5.09e-04
4561	28	0.43	-1.07	-0.74	0.0	1.03e-04	3.86e-06
4561	44	0.37	-1.59	-0.66	0.0	9.06e-05	1.04e-05
4561	52	0.43	-0.24	-0.74	0.0	1.04e-04	-4.53e-06
4561	80	0.30	-0.72	-0.52	0.0	7.30e-05	2.52e-06
4561	88	0.27	-1.07	-0.47	0.0	6.50e-05	6.89e-06
4561	92	0.30	-0.17	-0.52	0.0	7.42e-05	-3.08e-06
4561	98	0.25	-0.14	-0.43	0.0	6.29e-05	-2.55e-06
4561	105	0.24	-0.31	-0.41	0.0	6.01e-05	0.0
4561	107	0.24	-0.13	-0.41	0.0	6.05e-05	-2.34e-06
4561	111	-8.41	-8.09	-0.44	0.0	-3.85e-04	4.76e-04
4561	112	10.90	8.31	-0.39	0.0	6.15e-04	-6.08e-04
4561	139	-5.76	-10.64	-0.43	0.0	-2.54e-04	3.90e-04
4561	143	-9.51	-9.10	-0.44	0.0	-4.42e-04	5.36e-04
4561	144	12.25	9.37	-0.38	0.0	6.85e-04	-6.85e-04
4561	171	-6.55	-11.97	-0.44	0.0	-2.94e-04	4.40e-04
4561	175	-9.54	-8.94	-0.44	0.0	-4.41e-04	5.29e-04
4561	176	12.32	9.27	-0.38	0.0	6.84e-04	-6.78e-04
4561	203	-6.71	-11.96	-0.44	0.0	-2.99e-04	4.45e-04
4561	207	-11.28	-10.39	-0.45	0.0	-5.29e-04	6.17e-04
4561	208	14.49	10.85	-0.38	0.0	7.94e-04	-7.93e-04
4561	235	-8.07	-14.03	-0.44	0.0	-3.67e-04	5.32e-04
4562	28	0.48	-1.12	-0.75	0.0	1.03e-04	4.79e-06
4562	44	0.42	-1.66	-0.67	0.0	9.16e-05	1.26e-05
4562	52	0.49	-0.26	-0.75	0.0	1.03e-04	-5.31e-06
4562	80	0.34	-0.75	-0.53	0.0	7.31e-05	3.09e-06
4562	88	0.30	-1.11	-0.47	0.0	6.56e-05	8.30e-06
4562	92	0.34	-0.18	-0.53	0.0	7.35e-05	-3.65e-06
4562	98	0.29	-0.15	-0.44	0.0	6.23e-05	-3.13e-06
4562	105	0.27	-0.33	-0.42	0.0	5.97e-05	0.0
4562	107	0.28	-0.14	-0.42	0.0	5.98e-05	-2.89e-06
4562	111	-8.59	-8.29	-0.45	0.0	-3.22e-04	4.88e-04
4562	112	11.20	8.50	-0.39	0.0	5.31e-04	-6.25e-04
4562	139	-5.88	-10.97	-0.44	0.0	-1.99e-04	4.01e-04
4562	143	-9.72	-9.31	-0.45	0.0	-3.70e-04	5.50e-04
4562	144	12.59	9.60	-0.39	0.0	5.91e-04	-7.04e-04
4562	171	-6.68	-12.34	-0.44	0.0	-2.32e-04	4.54e-04
4562	175	-9.76	-9.15	-0.45	0.0	-3.69e-04	5.42e-04
4562	176	12.66	9.48	-0.39	0.0	5.91e-04	-6.96e-04
4562	203	-6.85	-12.32	-0.44	0.0	-2.37e-04	4.58e-04
4562	207	-11.54	-10.63	-0.46	0.0	-4.44e-04	6.32e-04

4562	208	14.87	11.10	-0.38	0.0	6.84e-04	-8.14e-04
4562	235	-8.25	-14.45	-0.45	0.0	-2.93e-04	5.47e-04
4563	28	0.53	-1.17	-0.76	0.0	1.03e-04	3.73e-06
4563	44	0.47	-1.72	-0.68	0.0	9.25e-05	1.13e-05
4563	52	0.54	-0.28	-0.76	0.0	1.02e-04	-6.12e-06
4563	80	0.38	-0.79	-0.54	0.0	7.30e-05	2.27e-06
4563	88	0.33	-1.15	-0.48	0.0	6.61e-05	7.34e-06
4563	92	0.38	-0.20	-0.54	0.0	7.26e-05	-4.29e-06
4563	98	0.32	-0.16	-0.44	0.0	6.15e-05	-3.80e-06
4563	105	0.31	-0.34	-0.42	0.0	5.92e-05	-1.38e-06
4563	107	0.31	-0.15	-0.42	0.0	5.90e-05	-3.57e-06
4563	111	-8.74	-8.48	-0.45	0.0	-2.53e-04	4.95e-04
4563	112	11.45	8.70	-0.40	0.0	4.42e-04	-6.36e-04
4563	139	-5.97	-11.29	-0.44	0.0	-1.41e-04	4.07e-04
4563	143	-9.89	-9.53	-0.46	0.0	-2.93e-04	5.57e-04
4563	144	12.87	9.82	-0.39	0.0	4.91e-04	-7.16e-04
4563	171	-6.79	-12.70	-0.45	0.0	-1.67e-04	4.60e-04
4563	175	-9.93	-9.36	-0.46	0.0	-2.92e-04	5.49e-04
4563	176	12.94	9.70	-0.39	0.0	4.90e-04	-7.07e-04
4563	203	-6.95	-12.68	-0.45	0.0	-1.71e-04	4.65e-04
4563	207	-11.74	-10.87	-0.46	0.0	-3.53e-04	6.40e-04
4563	208	15.20	11.35	-0.39	0.0	5.66e-04	-8.27e-04
4563	235	-8.38	-14.87	-0.45	0.0	-2.15e-04	5.55e-04
4564	28	0.37	-1.03	-0.75	0.0	1.04e-04	0.0
4564	44	0.33	-1.53	-0.67	0.0	9.34e-05	1.67e-06
4564	52	0.38	-0.23	-0.74	0.0	1.04e-04	-3.42e-06
4564	80	0.26	-0.69	-0.53	0.0	7.38e-05	0.0
4564	88	0.23	-1.02	-0.48	0.0	6.69e-05	1.18e-06
4564	92	0.26	-0.16	-0.52	0.0	7.38e-05	-2.22e-06
4564	98	0.22	-0.13	-0.43	0.0	6.26e-05	-1.62e-06
4564	105	0.21	-0.30	-0.42	0.0	6.03e-05	0.0
4564	107	0.21	-0.12	-0.42	0.0	6.02e-05	-1.42e-06
4564	112	10.29	8.10	-0.36	0.0	5.35e-04	-5.90e-04
4564	127	0.60	-8.74	-0.48	0.0	8.87e-05	-4.60e-05
4564	139	-5.46	-10.30	-0.47	0.0	1.32e-04	3.74e-04
4564	144	11.57	9.14	-0.35	0.0	5.95e-04	-6.65e-04
4564	159	0.66	-9.81	-0.48	0.0	9.24e-05	-5.22e-05
4564	171	-6.20	-11.60	-0.48	0.0	1.40e-04	4.23e-04
4564	175	-9.03	-8.72	-0.48	0.0	-4.80e-04	5.17e-04
4564	176	11.63	9.04	-0.35	0.0	5.93e-04	-6.59e-04
4564	203	-6.35	-11.59	-0.48	0.0	1.36e-04	4.28e-04
4564	208	13.67	10.59	-0.34	0.0	6.87e-04	-7.71e-04
4564	215	-10.17	-10.92	-0.49	0.0	-5.10e-04	7.00e-04
4564	235	-7.63	-13.60	-0.49	0.0	1.44e-04	5.12e-04
4565	28	0.43	-1.07	-0.77	0.0	1.04e-04	0.0
4565	44	0.38	-1.59	-0.69	0.0	9.29e-05	3.52e-06
4565	52	0.43	-0.25	-0.76	0.0	1.04e-04	-4.33e-06
4565	80	0.30	-0.72	-0.54	0.0	7.36e-05	0.0
4565	88	0.27	-1.07	-0.49	0.0	6.65e-05	2.44e-06
4565	92	0.30	-0.17	-0.54	0.0	7.36e-05	-2.80e-06
4565	98	0.25	-0.14	-0.45	0.0	6.23e-05	-2.11e-06
4565	105	0.24	-0.31	-0.43	0.0	6.00e-05	0.0
4565	107	0.24	-0.13	-0.43	0.0	6.00e-05	-1.83e-06
4565	112	10.62	8.31	-0.37	0.0	6.03e-04	-6.16e-04
4565	127	0.65	-9.00	-0.49	0.0	8.61e-05	-4.75e-05
4565	139	-5.60	-10.64	-0.48	0.0	-2.49e-04	3.91e-04
4565	144	11.94	9.37	-0.36	0.0	6.71e-04	-6.94e-04
4565	159	0.71	-10.10	-0.50	0.0	8.96e-05	-5.39e-05
4565	171	-6.37	-11.97	-0.49	0.0	-2.89e-04	4.42e-04
4565	175	-9.27	-8.94	-0.49	0.0	-4.29e-04	5.39e-04
4565	176	12.00	9.27	-0.36	0.0	6.70e-04	-6.88e-04
4565	203	-6.52	-11.96	-0.49	0.0	-2.93e-04	4.48e-04
4565	208	14.10	10.85	-0.35	0.0	7.77e-04	-8.05e-04
4565	215	-10.42	-11.19	-0.51	0.0	-4.52e-04	7.31e-04
4565	235	-7.84	-14.03	-0.50	0.0	-3.59e-04	5.35e-04
4566	28	0.48	-1.12	-0.78	0.0	1.03e-04	0.0
4566	44	0.43	-1.66	-0.70	0.0	9.17e-05	4.43e-06
4566	52	0.48	-0.26	-0.77	0.0	1.03e-04	-4.74e-06
4566	80	0.34	-0.75	-0.55	0.0	7.29e-05	0.0
4566	88	0.30	-1.11	-0.50	0.0	6.56e-05	3.01e-06
4566	92	0.34	-0.18	-0.55	0.0	7.29e-05	-3.10e-06
4566	98	0.29	-0.15	-0.45	0.0	6.17e-05	-2.48e-06
4566	105	0.27	-0.33	-0.43	0.0	5.93e-05	-1.13e-06
4566	107	0.27	-0.14	-0.43	0.0	5.93e-05	-2.17e-06
4566	112	10.91	8.51	-0.37	0.0	5.24e-04	-6.34e-04

4566	127	0.69	-9.25	-0.50	0.0	8.26e-05	-4.92e-05
4566	139	-5.72	-10.97	-0.49	0.0	-1.97e-04	4.03e-04
4566	144	12.27	9.60	-0.36	0.0	5.83e-04	-7.14e-04
4566	159	0.75	-10.38	-0.50	0.0	8.57e-05	-5.58e-05
4566	171	-6.50	-12.34	-0.50	0.0	-2.30e-04	4.56e-04
4566	175	-9.48	-9.15	-0.50	0.0	-3.62e-04	5.53e-04
4566	176	12.33	9.48	-0.36	0.0	5.82e-04	-7.07e-04
4566	203	-6.65	-12.32	-0.50	0.0	-2.33e-04	4.61e-04
4566	208	14.48	11.10	-0.35	0.0	6.74e-04	-8.28e-04
4566	215	-10.64	-11.45	-0.52	0.0	-3.75e-04	7.51e-04
4566	235	-8.00	-14.45	-0.51	0.0	-2.89e-04	5.51e-04
4567	28	0.54	-1.17	-0.79	0.0	1.01e-04	0.0
4567	44	0.47	-1.72	-0.71	0.0	8.99e-05	3.72e-06
4567	52	0.54	-0.28	-0.78	0.0	1.01e-04	-5.11e-06
4567	80	0.38	-0.79	-0.56	0.0	7.17e-05	0.0
4567	88	0.34	-1.15	-0.50	0.0	6.42e-05	2.44e-06
4567	92	0.38	-0.20	-0.55	0.0	7.18e-05	-3.45e-06
4567	98	0.32	-0.16	-0.46	0.0	6.06e-05	-2.97e-06
4567	105	0.30	-0.34	-0.44	0.0	5.81e-05	-1.68e-06
4567	107	0.30	-0.15	-0.44	0.0	5.82e-05	-2.68e-06
4567	112	11.16	8.70	-0.37	0.0	4.41e-04	-6.44e-04
4567	127	0.73	-9.51	-0.50	0.0	7.87e-05	-5.14e-05
4567	139	-5.81	-11.29	-0.50	0.0	-1.43e-04	4.09e-04
4567	144	12.54	9.82	-0.37	0.0	4.89e-04	-7.25e-04
4567	159	0.79	-10.67	-0.51	0.0	8.14e-05	-5.81e-05
4567	171	-6.60	-12.70	-0.51	0.0	-1.69e-04	4.62e-04
4567	175	-9.65	-9.36	-0.51	0.0	-2.91e-04	5.60e-04
4567	176	12.61	9.70	-0.37	0.0	4.88e-04	-7.17e-04
4567	203	-6.76	-12.68	-0.51	0.0	-1.72e-04	4.68e-04
4567	208	14.80	11.35	-0.35	0.0	5.64e-04	-8.39e-04
4567	215	-10.81	-11.72	-0.52	0.0	-2.92e-04	7.59e-04
4567	235	-8.13	-14.87	-0.52	0.0	-2.16e-04	5.59e-04
4568	28	0.37	-1.03	-0.81	0.0	1.03e-04	-2.27e-06
4568	44	0.33	-1.53	-0.73	0.0	9.38e-05	0.0
4568	52	0.37	-0.23	-0.79	0.0	1.02e-04	-3.02e-06
4568	80	0.26	-0.69	-0.57	0.0	7.35e-05	-1.28e-06
4568	88	0.23	-1.03	-0.52	0.0	6.73e-05	0.0
4568	92	0.26	-0.16	-0.56	0.0	7.30e-05	-1.78e-06
4568	98	0.22	-0.13	-0.46	0.0	6.19e-05	-1.03e-06
4568	105	0.21	-0.30	-0.45	0.0	5.99e-05	0.0
4568	107	0.21	-0.12	-0.44	0.0	5.98e-05	0.0
4568	112	10.02	8.11	-0.33	0.0	5.14e-04	-5.93e-04
4568	127	0.61	-8.74	-0.56	0.0	8.65e-05	-4.51e-05
4568	139	-5.31	-10.31	-0.56	0.0	1.35e-04	3.74e-04
4568	144	11.26	9.15	-0.32	0.0	5.71e-04	-6.68e-04
4568	159	0.67	-9.81	-0.58	0.0	9.00e-05	-5.13e-05
4568	171	-6.03	-11.60	-0.57	0.0	1.44e-04	4.23e-04
4568	176	11.32	9.05	-0.32	0.0	5.69e-04	-6.62e-04
4568	195	0.92	-9.72	-0.57	0.0	1.13e-04	-3.55e-05
4568	203	-6.16	-11.59	-0.57	0.0	1.40e-04	4.28e-04
4568	208	13.30	10.59	-0.29	0.0	6.58e-04	-7.76e-04
4568	219	-12.28	-11.62	-0.60	0.0	-4.64e-04	8.69e-04
4568	235	-7.40	-13.60	-0.60	0.0	1.49e-04	5.11e-04
4569	28	0.43	-1.07	-0.83	0.0	1.03e-04	-3.46e-06
4569	44	0.38	-1.59	-0.75	0.0	9.34e-05	-1.14e-06
4569	52	0.43	-0.25	-0.81	0.0	1.03e-04	-4.47e-06
4569	80	0.30	-0.72	-0.58	0.0	7.36e-05	-2.06e-06
4569	88	0.27	-1.07	-0.53	0.0	6.69e-05	0.0
4569	92	0.30	-0.17	-0.57	0.0	7.33e-05	-2.73e-06
4569	98	0.25	-0.14	-0.48	0.0	6.20e-05	-1.78e-06
4569	105	0.24	-0.31	-0.46	0.0	5.98e-05	-1.19e-06
4569	107	0.24	-0.13	-0.46	0.0	5.97e-05	-1.41e-06
4569	112	10.34	8.31	-0.34	0.0	5.87e-04	-6.21e-04
4569	127	0.66	-9.00	-0.58	0.0	8.55e-05	-4.67e-05
4569	139	-5.44	-10.64	-0.57	0.0	-2.42e-04	3.90e-04
4569	144	11.62	9.37	-0.32	0.0	6.53e-04	-7.00e-04
4569	159	0.71	-10.10	-0.59	0.0	8.88e-05	-5.30e-05
4569	171	-6.18	-11.97	-0.59	0.0	-2.80e-04	4.40e-04
4569	176	11.67	9.27	-0.32	0.0	6.51e-04	-6.94e-04
4569	195	0.98	-10.00	-0.59	0.0	1.11e-04	-3.66e-05
4569	203	-6.32	-11.96	-0.59	0.0	-2.82e-04	4.46e-04
4569	208	13.71	10.85	-0.30	0.0	7.54e-04	-8.13e-04
4569	219	-12.59	-11.91	-0.62	0.0	-5.64e-04	9.09e-04
4569	235	-7.60	-14.03	-0.62	0.0	-3.46e-04	5.34e-04
4570	28	0.48	-1.12	-0.84	0.0	1.03e-04	-3.94e-06

4570	44	0.43	-1.66	-0.76	0.0	9.17e-05	-1.44e-06
4570	52	0.48	-0.26	-0.82	0.0	1.02e-04	-5.09e-06
4570	80	0.34	-0.75	-0.59	0.0	7.27e-05	-2.44e-06
4570	88	0.30	-1.11	-0.54	0.0	6.55e-05	0.0
4570	92	0.34	-0.18	-0.58	0.0	7.27e-05	-3.20e-06
4570	98	0.28	-0.15	-0.48	0.0	6.13e-05	-2.32e-06
4570	105	0.27	-0.33	-0.47	0.0	5.89e-05	-1.68e-06
4570	107	0.27	-0.14	-0.46	0.0	5.89e-05	-1.93e-06
4570	112	10.62	8.51	-0.34	0.0	5.18e-04	-6.38e-04
4570	127	0.70	-9.25	-0.59	0.0	8.36e-05	-4.87e-05
4570	139	-5.56	-10.97	-0.58	0.0	-1.95e-04	4.00e-04
4570	144	11.94	9.60	-0.33	0.0	5.76e-04	-7.19e-04
4570	159	0.76	-10.38	-0.60	0.0	8.67e-05	-5.53e-05
4570	171	-6.31	-12.34	-0.60	0.0	-2.28e-04	4.53e-04
4570	176	11.99	9.48	-0.33	0.0	5.74e-04	-7.13e-04
4570	195	1.04	-10.28	-0.60	0.0	1.07e-04	-3.83e-05
4570	203	-6.45	-12.32	-0.60	0.0	-2.30e-04	4.59e-04
4570	208	14.08	11.10	-0.30	0.0	6.64e-04	-8.35e-04
4570	235	-7.76	-14.45	-0.63	0.0	-2.84e-04	5.48e-04
4571	28	0.53	-1.17	-0.85	0.0	1.00e-04	-4.17e-06
4571	44	0.47	-1.72	-0.77	0.0	8.87e-05	-1.84e-06
4571	52	0.53	-0.28	-0.83	0.0	1.01e-04	-5.30e-06
4571	80	0.38	-0.79	-0.60	0.0	7.10e-05	-2.73e-06
4571	88	0.34	-1.15	-0.55	0.0	6.32e-05	-1.18e-06
4571	92	0.38	-0.20	-0.59	0.0	7.13e-05	-3.48e-06
4571	98	0.32	-0.16	-0.49	0.0	6.00e-05	-2.89e-06
4571	105	0.30	-0.34	-0.47	0.0	5.73e-05	-2.29e-06
4571	107	0.30	-0.15	-0.47	0.0	5.74e-05	-2.54e-06
4571	112	10.87	8.70	-0.35	0.0	4.44e-04	-6.46e-04
4571	127	0.74	-9.51	-0.60	0.0	8.14e-05	-5.13e-05
4571	139	-5.64	-11.29	-0.59	0.0	-1.47e-04	4.06e-04
4571	144	12.22	9.82	-0.33	0.0	4.93e-04	-7.28e-04
4571	159	0.80	-10.67	-0.61	0.0	8.44e-05	-5.81e-05
4571	171	-6.42	-12.70	-0.61	0.0	-1.73e-04	4.59e-04
4571	176	12.27	9.70	-0.33	0.0	4.91e-04	-7.21e-04
4571	195	1.09	-10.56	-0.61	0.0	1.03e-04	-4.10e-05
4571	203	-6.56	-12.68	-0.61	0.0	-1.76e-04	4.64e-04
4571	208	14.40	11.35	-0.31	0.0	5.67e-04	-8.44e-04
4571	219	-13.09	-12.49	-0.63	0.0	-3.91e-04	9.40e-04
4571	235	-7.89	-14.87	-0.63	0.0	-2.20e-04	5.55e-04
4572	28	0.37	-1.04	-0.90	0.0	1.01e-04	0.0
4572	44	0.33	-1.54	-0.82	0.0	9.22e-05	1.17e-06
4572	52	0.37	-0.24	-0.87	0.0	1.01e-04	0.0
4572	80	0.26	-0.70	-0.64	0.0	7.22e-05	0.0
4572	88	0.23	-1.03	-0.58	0.0	6.64e-05	1.40e-06
4572	92	0.26	-0.17	-0.62	0.0	7.19e-05	0.0
4572	98	0.22	-0.14	-0.51	0.0	6.13e-05	1.48e-06
4572	105	0.21	-0.31	-0.50	0.0	5.94e-05	1.75e-06
4572	107	0.21	-0.13	-0.49	0.0	5.93e-05	1.81e-06
4572	112	9.74	8.11	-0.28	0.0	4.89e-04	-5.92e-04
4572	127	0.62	-8.75	-0.71	0.0	8.65e-05	-4.26e-05
4572	139	-5.15	-10.32	-0.71	0.0	1.33e-04	3.73e-04
4572	144	10.96	9.15	-0.26	0.0	5.43e-04	-6.67e-04
4572	159	0.68	-9.83	-0.74	0.0	9.00e-05	-4.89e-05
4572	171	-5.85	-11.61	-0.74	0.0	1.42e-04	4.21e-04
4572	176	11.00	9.05	-0.26	0.0	5.41e-04	-6.63e-04
4572	203	-5.97	-11.60	-0.74	0.0	1.38e-04	4.27e-04
4572	208	12.92	10.59	-0.21	0.0	6.24e-04	-7.77e-04
4572	235	-7.17	-13.62	-0.78	0.0	1.47e-04	5.10e-04
4573	28	0.42	-1.08	-0.93	0.0	1.02e-04	-4.96e-06
4573	44	0.37	-1.59	-0.85	0.0	9.23e-05	-3.44e-06
4573	52	0.42	-0.25	-0.90	0.0	1.02e-04	-4.46e-06
4573	80	0.30	-0.72	-0.65	0.0	7.27e-05	-2.94e-06
4573	88	0.27	-1.07	-0.60	0.0	6.62e-05	-1.93e-06
4573	92	0.30	-0.17	-0.63	0.0	7.26e-05	-2.61e-06
4573	98	0.25	-0.14	-0.53	0.0	6.14e-05	-1.43e-06
4573	105	0.24	-0.32	-0.51	0.0	5.92e-05	-1.13e-06
4573	107	0.24	-0.13	-0.51	0.0	5.92e-05	-1.02e-06
4573	112	10.05	8.31	-0.29	0.0	5.69e-04	-6.18e-04
4573	127	0.67	-9.00	-0.73	0.0	8.60e-05	-4.73e-05
4573	139	-5.28	-10.64	-0.73	0.0	-2.32e-04	3.83e-04
4573	144	11.30	9.37	-0.26	0.0	6.34e-04	-6.96e-04
4573	159	0.73	-10.10	-0.76	0.0	8.94e-05	-5.39e-05
4573	171	-6.00	-11.97	-0.76	0.0	-2.69e-04	4.33e-04
4573	176	11.34	9.27	-0.26	0.0	6.30e-04	-6.91e-04

4573	203	-6.12	-11.96	-0.76	0.0	-2.70e-04	4.39e-04
4573	208	13.31	10.85	-0.22	0.0	7.29e-04	-8.10e-04
4573	235	-7.35	-14.03	-0.80	0.0	-3.31e-04	5.25e-04
4574	28	0.48	-1.12	-0.94	0.0	1.02e-04	-7.35e-06
4574	44	0.42	-1.66	-0.86	0.0	9.10e-05	-5.80e-06
4574	52	0.48	-0.26	-0.91	0.0	1.02e-04	-6.78e-06
4574	80	0.34	-0.75	-0.66	0.0	7.22e-05	-4.71e-06
4574	88	0.30	-1.11	-0.61	0.0	6.49e-05	-3.68e-06
4574	92	0.34	-0.18	-0.64	0.0	7.22e-05	-4.33e-06
4574	98	0.28	-0.15	-0.54	0.0	6.06e-05	-3.02e-06
4574	105	0.27	-0.33	-0.52	0.0	5.81e-05	-2.72e-06
4574	107	0.27	-0.14	-0.52	0.0	5.81e-05	-2.60e-06
4574	112	10.33	8.51	-0.29	0.0	5.16e-04	-6.31e-04
4574	127	0.71	-9.25	-0.75	0.0	8.46e-05	-5.15e-05
4574	139	-5.39	-10.97	-0.74	0.0	-1.96e-04	3.89e-04
4574	144	11.61	9.60	-0.27	0.0	5.74e-04	-7.11e-04
4574	159	0.77	-10.39	-0.78	0.0	8.80e-05	-5.84e-05
4574	171	-6.12	-12.34	-0.77	0.0	-2.29e-04	4.40e-04
4574	176	11.65	9.48	-0.27	0.0	5.71e-04	-7.05e-04
4574	203	-6.25	-12.32	-0.77	0.0	-2.31e-04	4.46e-04
4574	208	13.68	11.10	-0.22	0.0	6.61e-04	-8.26e-04
4574	235	-7.51	-14.45	-0.82	0.0	-2.84e-04	5.33e-04
4575	28	0.53	-1.17	-0.95	0.0	1.01e-04	-8.28e-06
4575	44	0.47	-1.72	-0.87	0.0	8.86e-05	-6.75e-06
4575	52	0.53	-0.28	-0.92	0.0	1.01e-04	-7.77e-06
4575	80	0.38	-0.79	-0.67	0.0	7.09e-05	-5.52e-06
4575	88	0.34	-1.15	-0.62	0.0	6.30e-05	-4.50e-06
4575	92	0.38	-0.20	-0.65	0.0	7.11e-05	-5.17e-06
4575	98	0.32	-0.16	-0.54	0.0	5.93e-05	-4.12e-06
4575	105	0.30	-0.34	-0.53	0.0	5.66e-05	-3.81e-06
4575	107	0.30	-0.15	-0.52	0.0	5.67e-05	-3.70e-06
4575	112	10.59	8.70	-0.30	0.0	4.52e-04	-6.37e-04
4575	127	0.76	-9.51	-0.76	0.0	8.34e-05	-5.52e-05
4575	139	-5.48	-11.29	-0.75	0.0	-1.55e-04	3.93e-04
4575	144	11.89	9.82	-0.27	0.0	5.02e-04	-7.17e-04
4575	159	0.82	-10.67	-0.79	0.0	8.67e-05	-6.25e-05
4575	171	-6.23	-12.70	-0.78	0.0	-1.82e-04	4.44e-04
4575	176	11.93	9.70	-0.27	0.0	5.00e-04	-7.10e-04
4575	203	-6.36	-12.68	-0.78	0.0	-1.84e-04	4.49e-04
4575	208	14.00	11.35	-0.22	0.0	5.77e-04	-8.31e-04
4575	235	-7.64	-14.87	-0.83	0.0	-2.29e-04	5.37e-04
4576	28	0.37	-1.06	-1.06	0.0	9.83e-05	1.51e-05
4576	44	0.33	-1.56	-0.98	0.0	8.99e-05	1.54e-05
4576	52	0.37	-0.26	-1.02	0.0	9.88e-05	1.61e-05
4576	80	0.26	-0.71	-0.75	0.0	7.06e-05	1.19e-05
4576	88	0.23	-1.04	-0.69	0.0	6.51e-05	1.21e-05
4576	92	0.26	-0.18	-0.72	0.0	7.10e-05	1.25e-05
4576	98	0.22	-0.15	-0.60	0.0	6.09e-05	1.22e-05
4576	105	0.21	-0.32	-0.59	0.0	5.90e-05	1.22e-05
4576	107	0.21	-0.14	-0.58	0.0	5.91e-05	1.25e-05
4576	112	9.47	8.11	-0.20	0.0	5.70e-04	-5.80e-04
4576	127	0.64	-8.77	-0.98	0.0	9.19e-05	-3.30e-05
4576	139	-4.99	-10.34	-0.96	0.0	-2.28e-04	3.78e-04
4576	144	10.65	9.15	-0.15	0.0	6.35e-04	-6.56e-04
4576	159	0.70	-9.84	-1.03	0.0	9.60e-05	-3.95e-05
4576	171	-5.67	-11.63	-1.01	0.0	-2.65e-04	4.25e-04
4576	176	10.68	9.05	-0.15	0.0	6.31e-04	-6.52e-04
4576	195	0.98	-9.75	-1.02	0.0	1.20e-04	-2.73e-05
4576	203	-5.78	-11.62	-1.01	0.0	-2.66e-04	4.31e-04
4576	208	12.54	10.60	-0.07	0.0	7.30e-04	-7.67e-04
4576	215	-8.96	-10.97	-1.10	0.0	-3.91e-04	7.14e-04
4576	235	-6.93	-13.63	-1.09	0.0	-3.25e-04	5.13e-04
4577	28	0.42	-1.08	-1.08	0.0	9.83e-05	-5.07e-06
4577	44	0.37	-1.59	-1.00	0.0	8.84e-05	-4.00e-06
4577	52	0.42	-0.25	-1.04	0.0	9.84e-05	-4.47e-06
4577	80	0.30	-0.73	-0.76	0.0	6.99e-05	-3.14e-06
4577	88	0.27	-1.07	-0.71	0.0	6.33e-05	-2.42e-06
4577	92	0.30	-0.17	-0.73	0.0	7.00e-05	-2.74e-06
4577	98	0.25	-0.14	-0.61	0.0	5.91e-05	-1.65e-06
4577	105	0.24	-0.32	-0.60	0.0	5.69e-05	-1.45e-06
4577	107	0.24	-0.13	-0.59	0.0	5.69e-05	-1.32e-06
4577	112	9.77	8.31	-0.20	0.0	5.60e-04	-5.95e-04
4577	127	0.69	-9.00	-1.00	0.0	8.80e-05	-5.38e-05
4577	139	-5.11	-10.64	-0.99	0.0	-2.26e-04	3.66e-04
4577	144	10.98	9.37	-0.15	0.0	6.23e-04	-6.70e-04

4577	159	0.75	-10.10	-1.05	0.0	9.19e-05	-6.12e-05
4577	171	-5.80	-11.97	-1.04	0.0	-2.62e-04	4.14e-04
4577	176	11.01	9.26	-0.15	0.0	6.19e-04	-6.65e-04
4577	203	-5.92	-11.96	-1.05	0.0	-2.63e-04	4.19e-04
4577	208	12.92	10.85	-0.07	0.0	7.16e-04	-7.80e-04
4577	235	-7.10	-14.03	-1.13	0.0	-3.22e-04	5.01e-04
4578	28	0.47	-1.12	-1.09	0.0	9.92e-05	-1.04e-05
4578	44	0.42	-1.66	-1.01	0.0	8.83e-05	-8.98e-06
4578	52	0.47	-0.26	-1.05	0.0	9.93e-05	-9.83e-06
4578	80	0.33	-0.75	-0.77	0.0	7.01e-05	-6.99e-06
4578	88	0.30	-1.11	-0.72	0.0	6.29e-05	-6.03e-06
4578	92	0.34	-0.18	-0.74	0.0	7.02e-05	-6.59e-06
4578	98	0.28	-0.15	-0.62	0.0	5.85e-05	-4.91e-06
4578	105	0.27	-0.33	-0.61	0.0	5.61e-05	-4.64e-06
4578	107	0.27	-0.14	-0.60	0.0	5.61e-05	-4.50e-06
4578	112	10.05	8.51	-0.20	0.0	5.22e-04	-6.04e-04
4578	127	0.73	-9.25	-1.02	0.0	8.59e-05	-6.21e-05
4578	139	-5.22	-10.97	-1.01	0.0	-2.03e-04	3.68e-04
4578	144	11.29	9.60	-0.15	0.0	5.81e-04	-6.80e-04
4578	159	0.79	-10.39	-1.07	0.0	8.97e-05	-7.01e-05
4578	171	-5.94	-12.34	-1.06	0.0	-2.36e-04	4.16e-04
4578	176	11.32	9.48	-0.15	0.0	5.77e-04	-6.75e-04
4578	203	-6.05	-12.32	-1.07	0.0	-2.37e-04	4.20e-04
4578	208	13.28	11.10	-0.07	0.0	6.67e-04	-7.90e-04
4578	235	-7.26	-14.46	-1.15	0.0	-2.91e-04	5.02e-04
4579	28	0.52	-1.17	-1.11	0.0	1.01e-04	-1.33e-05
4579	44	0.46	-1.72	-1.03	0.0	8.87e-05	-1.16e-05
4579	52	0.53	-0.28	-1.06	0.0	1.01e-04	-1.27e-05
4579	80	0.37	-0.79	-0.78	0.0	7.07e-05	-9.06e-06
4579	88	0.33	-1.15	-0.73	0.0	6.28e-05	-7.91e-06
4579	92	0.37	-0.20	-0.75	0.0	7.08e-05	-8.69e-06
4579	98	0.31	-0.16	-0.63	0.0	5.82e-05	-6.81e-06
4579	105	0.30	-0.34	-0.61	0.0	5.56e-05	-6.47e-06
4579	107	0.30	-0.15	-0.60	0.0	5.56e-05	-6.34e-06
4579	112	10.31	8.70	-0.20	0.0	4.64e-04	-6.09e-04
4579	127	0.78	-9.51	-1.03	0.0	8.37e-05	-6.74e-05
4579	139	-5.32	-11.29	-1.03	0.0	-1.67e-04	3.68e-04
4579	144	11.58	9.82	-0.15	0.0	5.16e-04	-6.86e-04
4579	159	0.84	-10.67	-1.08	0.0	8.72e-05	-7.58e-05
4579	171	-6.05	-12.70	-1.08	0.0	-1.95e-04	4.17e-04
4579	176	11.61	9.70	-0.15	0.0	5.13e-04	-6.79e-04
4579	203	-6.16	-12.68	-1.08	0.0	-1.97e-04	4.21e-04
4579	208	13.61	11.35	-0.07	0.0	5.92e-04	-7.94e-04
4579	235	-7.40	-14.87	-1.17	0.0	-2.44e-04	5.03e-04
4580	4	0.65	0.58	-1.25	0.0	8.65e-05	-2.60e-05
4580	44	0.43	-1.78	-0.94	0.0	1.77e-04	3.45e-05
4580	68	0.46	0.38	-0.88	0.0	6.28e-05	-1.82e-05
4580	88	0.31	-1.19	-0.68	0.0	1.23e-04	2.21e-05
4580	98	0.37	-0.17	-0.71	0.0	6.73e-05	-8.71e-06
4580	105	0.34	-0.36	-0.66	0.0	7.52e-05	-2.30e-06
4580	107	0.36	-0.16	-0.68	0.0	6.48e-05	-8.55e-06
4580	112	13.07	8.88	-0.61	0.0	3.74e-04	-6.35e-04
4580	136	7.53	11.28	-1.29	0.0	2.21e-04	-4.17e-04
4580	139	-6.82	-11.59	-0.07	0.0	-9.18e-05	4.00e-04
4580	144	14.69	10.02	-0.60	0.0	4.13e-04	-7.14e-04
4580	168	8.47	12.72	-1.36	0.0	2.42e-04	-4.70e-04
4580	171	-7.76	-13.04	7.59e-03	0.0	-1.12e-04	4.53e-04
4580	176	14.80	9.90	-0.61	0.0	4.13e-04	-7.04e-04
4580	200	8.70	12.70	-1.35	0.0	2.44e-04	-4.73e-04
4580	203	-7.99	-13.02	-2.71e-04	0.0	-1.15e-04	4.56e-04
4580	208	17.40	11.58	-0.60	0.0	4.74e-04	-8.21e-04
4580	232	10.36	14.95	-1.47	0.0	2.79e-04	-5.61e-04
4580	235	-9.65	-15.26	0.11	0.0	-1.49e-04	5.44e-04
4581	4	0.69	0.58	-1.27	0.0	7.53e-05	-2.23e-05
4581	44	0.53	-1.84	-0.96	0.0	2.10e-04	1.19e-05
4581	68	0.49	0.38	-0.89	0.0	5.52e-05	-1.60e-05
4581	88	0.38	-1.23	-0.69	0.0	1.45e-04	6.88e-06
4581	98	0.41	-0.18	-0.71	0.0	6.66e-05	-1.05e-05
4581	105	0.38	-0.38	-0.67	0.0	7.91e-05	-6.72e-06
4581	107	0.39	-0.17	-0.68	0.0	6.42e-05	-1.03e-05
4581	112	13.23	9.06	-0.61	0.0	3.09e-04	-6.32e-04
4581	136	7.62	11.55	-1.30	0.0	1.83e-04	-4.14e-04
4581	139	-6.84	-11.89	-0.07	0.0	-5.50e-05	3.93e-04
4581	144	14.86	10.22	-0.61	0.0	3.40e-04	-7.10e-04
4581	168	8.57	13.04	-1.37	0.0	1.99e-04	-4.66e-04

4581	171	-7.79	-13.38	5.42e-03	0.0	-7.03e-05	4.45e-04
4581	176	14.97	10.09	-0.62	0.0	3.39e-04	-7.00e-04
4581	200	8.81	13.01	-1.37	0.0	2.00e-04	-4.68e-04
4581	203	-8.03	-13.35	-2.53e-03	0.0	-7.12e-05	4.48e-04
4581	208	17.60	11.81	-0.61	0.0	3.87e-04	-8.16e-04
4581	232	10.48	15.31	-1.48	0.0	2.25e-04	-5.55e-04
4581	235	-9.70	-15.65	0.11	0.0	-9.64e-05	5.35e-04
4582	4	0.72	0.58	-1.29	-3.35e-04	7.59e-05	-1.67e-05
4582	44	0.65	-1.89	-0.98	-1.89e-04	1.78e-04	-1.79e-05
4582	52	0.73	-0.35	-1.22	-2.92e-04	1.02e-04	-1.82e-05
4582	68	0.51	0.38	-0.91	-2.37e-04	5.54e-05	-1.24e-05
4582	88	0.46	-1.27	-0.70	-1.40e-04	1.23e-04	-1.32e-05
4582	92	0.52	-0.24	-0.86	-2.09e-04	7.29e-05	-1.34e-05
4582	98	0.44	-0.19	-0.73	-1.83e-04	6.27e-05	-1.24e-05
4582	105	0.42	-0.39	-0.68	-1.67e-04	7.20e-05	-1.22e-05
4582	107	0.42	-0.18	-0.70	-1.76e-04	6.05e-05	-1.21e-05
4582	112	13.36	9.23	-0.63	-1.26e-04	2.00e-04	-6.22e-04
4582	136	7.70	11.83	-1.31	-6.93e-04	3.66e-05	-4.05e-04
4582	139	-6.86	-12.19	-0.08	3.41e-04	8.44e-05	3.81e-04
4582	144	15.01	10.42	-0.62	-1.19e-04	2.18e-04	-6.99e-04
4582	168	8.65	13.35	-1.39	-7.58e-04	3.37e-05	-4.56e-04
4582	171	-7.81	-13.71	-3.20e-03	4.05e-04	8.73e-05	4.32e-04
4582	176	15.11	10.28	-0.63	-1.29e-04	2.17e-04	-6.88e-04
4582	200	8.89	13.32	-1.38	-7.50e-04	3.47e-05	-4.58e-04
4582	203	-8.04	-13.68	-0.01	3.98e-04	8.63e-05	4.34e-04
4582	208	17.76	12.03	-0.62	-1.26e-04	2.44e-04	-8.02e-04
4582	232	10.57	15.67	-1.50	-8.46e-04	3.13e-05	-5.43e-04
4582	235	-9.73	-16.03	0.10	4.93e-04	8.97e-05	5.19e-04
4583	4	0.63	0.58	-1.05	0.0	9.12e-05	-2.75e-05
4583	44	0.46	-1.78	-0.83	0.0	1.54e-04	3.99e-05
4583	68	0.45	0.38	-0.74	0.0	6.58e-05	-1.92e-05
4583	88	0.33	-1.19	-0.59	0.0	1.07e-04	2.57e-05
4583	98	0.37	-0.17	-0.60	0.0	6.59e-05	-8.75e-06
4583	105	0.34	-0.36	-0.56	0.0	7.10e-05	-1.62e-06
4583	107	0.35	-0.16	-0.57	0.0	6.35e-05	-8.58e-06
4583	112	12.78	8.88	-0.53	0.0	3.73e-04	-6.27e-04
4583	136	7.36	11.27	-0.92	0.0	2.17e-04	-4.15e-04
4583	139	-6.65	-11.59	-0.23	0.0	-9.02e-05	3.97e-04
4583	144	14.36	10.02	-0.53	0.0	4.12e-04	-7.05e-04
4583	168	8.28	12.72	-0.96	0.0	2.37e-04	-4.67e-04
4583	171	-7.57	-13.04	-0.18	0.0	-1.10e-04	4.50e-04
4583	176	14.46	9.89	-0.53	0.0	4.11e-04	-6.95e-04
4583	200	8.50	12.70	-0.96	0.0	2.40e-04	-4.70e-04
4583	203	-7.79	-13.02	-0.19	0.0	-1.13e-04	4.53e-04
4583	208	17.00	11.58	-0.53	0.0	4.73e-04	-8.10e-04
4583	232	10.11	14.95	-1.03	0.0	2.74e-04	-5.57e-04
4583	235	-9.41	-15.26	-0.12	0.0	-1.47e-04	5.40e-04
4584	4	0.68	0.58	-1.07	0.0	8.36e-05	-2.26e-05
4584	44	0.54	-1.84	-0.84	0.0	1.78e-04	1.59e-05
4584	68	0.48	0.38	-0.75	0.0	6.07e-05	-1.61e-05
4584	88	0.39	-1.23	-0.60	0.0	1.23e-04	9.53e-06
4584	98	0.40	-0.18	-0.61	0.0	6.58e-05	-1.00e-05
4584	105	0.38	-0.38	-0.57	0.0	7.41e-05	-5.86e-06
4584	107	0.38	-0.17	-0.58	0.0	6.34e-05	-9.84e-06
4584	112	12.94	9.05	-0.54	0.0	3.10e-04	-6.25e-04
4584	136	7.45	11.55	-0.93	0.0	1.79e-04	-4.11e-04
4584	139	-6.68	-11.89	-0.23	0.0	-5.20e-05	3.91e-04
4584	144	14.54	10.22	-0.53	0.0	3.42e-04	-7.03e-04
4584	168	8.38	13.03	-0.98	0.0	1.94e-04	-4.62e-04
4584	171	-7.61	-13.38	-0.19	0.0	-6.68e-05	4.43e-04
4584	176	14.64	10.09	-0.54	0.0	3.41e-04	-6.92e-04
4584	200	8.60	13.01	-0.97	0.0	1.95e-04	-4.65e-04
4584	203	-7.83	-13.35	-0.19	0.0	-6.83e-05	4.45e-04
4584	208	17.20	11.81	-0.54	0.0	3.89e-04	-8.07e-04
4584	232	10.23	15.31	-1.04	0.0	2.20e-04	-5.51e-04
4584	235	-9.46	-15.65	-0.12	0.0	-9.33e-05	5.32e-04
4585	4	0.72	0.58	-1.09	-2.97e-04	7.59e-05	-1.47e-05
4585	44	0.64	-1.90	-0.86	-1.71e-04	1.78e-04	-1.59e-05
4585	52	0.72	-0.36	-1.05	-2.60e-04	1.02e-04	-1.62e-05
4585	68	0.51	0.38	-0.77	-2.10e-04	5.54e-05	-1.10e-05
4585	88	0.46	-1.27	-0.62	-1.26e-04	1.23e-04	-1.17e-05
4585	92	0.51	-0.25	-0.74	-1.86e-04	7.29e-05	-1.19e-05
4585	98	0.43	-0.19	-0.62	-1.62e-04	6.27e-05	-1.10e-05
4585	105	0.41	-0.40	-0.58	-1.48e-04	7.20e-05	-1.09e-05
4585	107	0.42	-0.18	-0.59	-1.56e-04	6.05e-05	-1.08e-05

4585	112	13.07	9.22	-0.55	-1.13e-04	2.00e-04	-6.20e-04
4585	136	7.53	11.82	-0.95	-5.71e-04	3.66e-05	-4.04e-04
4585	139	-6.69	-12.18	-0.24	2.59e-04	8.44e-05	3.82e-04
4585	144	14.68	10.41	-0.55	-1.07e-04	2.18e-04	-6.97e-04
4585	168	8.46	13.34	-0.99	-6.23e-04	3.37e-05	-4.55e-04
4585	171	-7.63	-13.70	-0.20	3.10e-04	8.73e-05	4.33e-04
4585	176	14.78	10.28	-0.55	-1.15e-04	2.17e-04	-6.87e-04
4585	200	8.68	13.31	-0.99	-6.17e-04	3.47e-05	-4.57e-04
4585	203	-7.85	-13.68	-0.20	3.05e-04	8.63e-05	4.35e-04
4585	208	17.37	12.03	-0.55	-1.12e-04	2.44e-04	-8.00e-04
4585	232	10.32	15.66	-1.05	-6.94e-04	3.13e-05	-5.42e-04
4585	235	-9.49	-16.03	-0.13	3.82e-04	8.97e-05	5.20e-04
4586	4	0.62	0.58	-0.91	0.0	9.50e-05	-2.45e-05
4586	44	0.48	-1.78	-0.74	0.0	1.31e-04	3.41e-05
4586	68	0.44	0.38	-0.64	0.0	6.82e-05	-1.72e-05
4586	88	0.35	-1.19	-0.53	0.0	9.24e-05	2.19e-05
4586	98	0.36	-0.17	-0.52	0.0	6.44e-05	-8.09e-06
4586	105	0.34	-0.36	-0.49	0.0	6.68e-05	-1.87e-06
4586	107	0.35	-0.16	-0.50	0.0	6.20e-05	-7.93e-06
4586	112	12.49	8.88	-0.48	0.0	3.71e-04	-6.25e-04
4586	136	7.19	11.27	-0.67	0.0	2.14e-04	-4.13e-04
4586	139	-6.50	-11.59	-0.32	0.0	-9.05e-05	3.98e-04
4586	144	14.04	10.02	-0.47	0.0	4.10e-04	-7.03e-04
4586	168	8.09	12.72	-0.69	0.0	2.34e-04	-4.66e-04
4586	171	-7.39	-13.04	-0.30	0.0	-1.10e-04	4.50e-04
4586	176	14.14	9.89	-0.48	0.0	4.10e-04	-6.93e-04
4586	200	8.30	12.70	-0.69	0.0	2.37e-04	-4.69e-04
4586	203	-7.60	-13.02	-0.30	0.0	-1.13e-04	4.53e-04
4586	208	16.61	11.58	-0.47	0.0	4.72e-04	-8.08e-04
4586	232	9.87	14.95	-0.72	0.0	2.71e-04	-5.57e-04
4586	235	-9.17	-15.26	-0.27	0.0	-1.47e-04	5.41e-04
4587	4	0.66	0.58	-0.92	0.0	8.98e-05	-2.04e-05
4587	44	0.55	-1.84	-0.75	0.0	1.46e-04	1.30e-05
4587	68	0.47	0.38	-0.65	0.0	6.46e-05	-1.45e-05
4587	88	0.40	-1.23	-0.54	0.0	1.02e-04	7.72e-06
4587	98	0.39	-0.18	-0.53	0.0	6.39e-05	-9.34e-06
4587	105	0.37	-0.38	-0.50	0.0	6.84e-05	-5.69e-06
4587	107	0.38	-0.17	-0.50	0.0	6.15e-05	-9.16e-06
4587	112	12.65	9.05	-0.48	0.0	3.10e-04	-6.25e-04
4587	136	7.28	11.55	-0.68	0.0	1.76e-04	-4.10e-04
4587	139	-6.52	-11.89	-0.33	0.0	-5.26e-05	3.92e-04
4587	144	14.22	10.22	-0.48	0.0	3.42e-04	-7.03e-04
4587	168	8.18	13.03	-0.70	0.0	1.90e-04	-4.62e-04
4587	171	-7.43	-13.37	-0.31	0.0	-6.73e-05	4.44e-04
4587	176	14.31	10.09	-0.48	0.0	3.41e-04	-6.92e-04
4587	200	8.40	13.01	-0.70	0.0	1.92e-04	-4.65e-04
4587	203	-7.64	-13.35	-0.31	0.0	-6.93e-05	4.46e-04
4587	208	16.81	11.81	-0.48	0.0	3.90e-04	-8.07e-04
4587	232	9.98	15.31	-0.73	0.0	2.18e-04	-5.51e-04
4587	235	-9.23	-15.65	-0.27	0.0	-9.46e-05	5.33e-04
4588	4	0.71	0.58	-0.94	-2.63e-04	7.59e-05	-1.53e-05
4588	44	0.63	-1.90	-0.77	-1.53e-04	1.78e-04	-1.65e-05
4588	52	0.71	-0.36	-0.92	-2.31e-04	1.02e-04	-1.68e-05
4588	68	0.50	0.38	-0.66	-1.86e-04	5.54e-05	-1.14e-05
4588	88	0.45	-1.28	-0.55	-1.12e-04	1.23e-04	-1.22e-05
4588	92	0.51	-0.25	-0.65	-1.65e-04	7.29e-05	-1.24e-05
4588	98	0.43	-0.20	-0.54	-1.44e-04	6.27e-05	-1.14e-05
4588	105	0.41	-0.40	-0.51	-1.31e-04	7.20e-05	-1.13e-05
4588	107	0.41	-0.18	-0.52	-1.38e-04	6.05e-05	-1.12e-05
4588	112	12.79	9.22	-0.49	-1.01e-04	2.00e-04	-6.21e-04
4588	136	7.36	11.81	-0.69	-4.78e-04	3.66e-05	-4.05e-04
4588	139	-6.54	-12.18	-0.34	2.01e-04	8.44e-05	3.82e-04
4588	144	14.36	10.41	-0.49	-9.61e-05	2.18e-04	-6.98e-04
4588	168	8.27	13.33	-0.72	-5.20e-04	3.37e-05	-4.55e-04
4588	171	-7.45	-13.70	-0.31	2.44e-04	8.73e-05	4.33e-04
4588	176	14.46	10.27	-0.49	-1.02e-04	2.17e-04	-6.87e-04
4588	200	8.48	13.31	-0.71	-5.15e-04	3.47e-05	-4.57e-04
4588	203	-7.66	-13.68	-0.32	2.39e-04	8.63e-05	4.35e-04
4588	208	16.98	12.02	-0.49	-9.91e-05	2.44e-04	-8.01e-04
4588	232	10.07	15.66	-0.75	-5.79e-04	3.13e-05	-5.42e-04
4588	235	-9.26	-16.03	-0.28	3.03e-04	8.97e-05	5.20e-04
4589	4	0.60	0.58	-0.81	0.0	9.78e-05	-1.97e-05
4589	44	0.50	-1.78	-0.69	0.0	1.14e-04	2.44e-05
4589	68	0.43	0.38	-0.57	0.0	6.98e-05	-1.38e-05
4589	88	0.36	-1.19	-0.49	0.0	8.04e-05	1.56e-05

4589	98	0.36	-0.17	-0.47	0.0	6.29e-05	-7.07e-06
4589	105	0.34	-0.36	-0.44	0.0	6.32e-05	-2.34e-06
4589	107	0.34	-0.16	-0.44	0.0	6.05e-05	-6.90e-06
4589	112	12.21	8.88	-0.44	0.0	3.69e-04	-6.27e-04
4589	136	7.02	11.27	-0.50	0.0	2.12e-04	-4.14e-04
4589	139	-6.34	-11.59	-0.39	0.0	-9.14e-05	4.00e-04
4589	144	13.72	10.02	-0.44	0.0	4.08e-04	-7.06e-04
4589	168	7.90	12.72	-0.51	0.0	2.32e-04	-4.66e-04
4589	171	-7.21	-13.04	-0.38	0.0	-1.11e-04	4.52e-04
4589	176	13.81	9.90	-0.44	0.0	4.08e-04	-6.96e-04
4589	200	8.09	12.70	-0.51	0.0	2.35e-04	-4.69e-04
4589	203	-7.41	-13.02	-0.38	0.0	-1.14e-04	4.56e-04
4589	208	16.23	11.58	-0.44	0.0	4.69e-04	-8.12e-04
4589	232	9.62	14.95	-0.52	0.0	2.70e-04	-5.58e-04
4589	235	-8.94	-15.26	-0.37	0.0	-1.49e-04	5.44e-04
4590	4	0.65	0.58	-0.82	0.0	9.42e-05	-1.67e-05
4590	44	0.56	-1.84	-0.69	0.0	1.21e-04	8.33e-06
4590	52	0.65	-0.33	-0.80	0.0	1.03e-04	-1.20e-05
4590	68	0.46	0.38	-0.57	0.0	6.74e-05	-1.19e-05
4590	88	0.40	-1.23	-0.49	0.0	8.52e-05	4.72e-06
4590	92	0.46	-0.23	-0.57	0.0	7.32e-05	-8.82e-06
4590	98	0.39	-0.18	-0.47	0.0	6.22e-05	-8.13e-06
4590	105	0.37	-0.38	-0.45	0.0	6.36e-05	-5.36e-06
4590	107	0.37	-0.17	-0.45	0.0	5.98e-05	-7.97e-06
4590	112	12.37	9.05	-0.44	0.0	3.12e-04	-6.28e-04
4590	136	7.11	11.55	-0.50	0.0	1.76e-04	-4.11e-04
4590	139	-6.37	-11.89	-0.39	0.0	-5.68e-05	3.95e-04
4590	144	13.90	10.22	-0.44	0.0	3.44e-04	-7.07e-04
4590	168	7.99	13.03	-0.51	0.0	1.92e-04	-4.63e-04
4590	171	-7.25	-13.37	-0.39	0.0	-7.19e-05	4.48e-04
4590	176	13.98	10.09	-0.44	0.0	3.44e-04	-6.97e-04
4590	200	8.19	13.01	-0.51	0.0	1.94e-04	-4.66e-04
4590	203	-7.45	-13.35	-0.39	0.0	-7.44e-05	4.50e-04
4590	208	16.43	11.81	-0.44	0.0	3.94e-04	-8.13e-04
4590	232	9.74	15.31	-0.52	0.0	2.20e-04	-5.54e-04
4590	235	-8.99	-15.65	-0.38	0.0	-1.01e-04	5.38e-04
4591	4	0.70	0.57	-0.83	-2.53e-04	7.59e-05	-1.44e-05
4591	44	0.62	-1.90	-0.71	-1.48e-04	1.78e-04	-1.55e-05
4591	52	0.70	-0.36	-0.82	-2.23e-04	1.02e-04	-1.59e-05
4591	68	0.49	0.37	-0.58	-1.79e-04	5.54e-05	-1.07e-05
4591	88	0.44	-1.28	-0.50	-1.09e-04	1.23e-04	-1.15e-05
4591	92	0.50	-0.25	-0.58	-1.59e-04	7.29e-05	-1.17e-05
4591	98	0.42	-0.20	-0.48	-1.38e-04	6.27e-05	-1.08e-05
4591	105	0.40	-0.40	-0.45	-1.26e-04	7.20e-05	-1.07e-05
4591	107	0.40	-0.19	-0.45	-1.33e-04	6.05e-05	-1.06e-05
4591	112	12.51	9.22	-0.45	-9.76e-05	2.00e-04	-6.20e-04
4591	136	7.19	11.81	-0.50	-4.45e-04	3.66e-05	-4.04e-04
4591	139	-6.38	-12.18	-0.41	1.80e-04	8.44e-05	3.83e-04
4591	144	14.05	10.41	-0.45	-9.32e-05	2.18e-04	-6.98e-04
4591	168	8.08	13.33	-0.51	-4.84e-04	3.37e-05	-4.55e-04
4591	171	-7.27	-13.70	-0.40	2.19e-04	8.73e-05	4.34e-04
4591	176	14.14	10.27	-0.45	-9.88e-05	2.17e-04	-6.87e-04
4591	200	8.28	13.30	-0.51	-4.80e-04	3.47e-05	-4.57e-04
4591	203	-7.47	-13.68	-0.40	2.15e-04	8.63e-05	4.36e-04
4591	208	16.60	12.02	-0.45	-9.56e-05	2.44e-04	-8.01e-04
4591	232	9.83	15.65	-0.52	-5.38e-04	3.13e-05	-5.42e-04
4591	235	-9.03	-16.03	-0.39	2.73e-04	8.97e-05	5.21e-04
4592	4	0.59	0.58	-0.78	0.0	9.97e-05	-1.45e-05
4592	44	0.51	-1.78	-0.68	0.0	1.01e-04	1.47e-05
4592	52	0.60	-0.31	-0.77	0.0	1.03e-04	-8.83e-06
4592	68	0.42	0.38	-0.55	0.0	7.10e-05	-1.02e-05
4592	88	0.36	-1.19	-0.48	0.0	7.20e-05	9.24e-06
4592	92	0.42	-0.21	-0.54	0.0	7.29e-05	-6.42e-06
4592	98	0.35	-0.17	-0.45	0.0	6.18e-05	-5.85e-06
4592	105	0.34	-0.36	-0.43	0.0	6.07e-05	-2.64e-06
4592	107	0.34	-0.16	-0.43	0.0	5.94e-05	-5.67e-06
4592	112	11.93	8.88	-0.42	0.0	3.66e-04	-6.33e-04
4592	134	0.85	7.48	-0.45	0.0	6.02e-05	-6.71e-05
4592	139	-6.18	-11.59	-0.42	0.0	-9.14e-05	4.03e-04
4592	144	13.40	10.02	-0.42	0.0	4.05e-04	-7.12e-04
4592	166	0.92	8.44	-0.45	0.0	6.06e-05	-7.55e-05
4592	171	-7.03	-13.04	-0.41	0.0	-1.11e-04	4.56e-04
4592	176	13.48	9.90	-0.42	0.0	4.04e-04	-7.03e-04
4592	198	0.96	8.43	-0.45	0.0	6.21e-05	-7.87e-05
4592	203	-7.22	-13.02	-0.41	0.0	-1.14e-04	4.60e-04

4592	208	15.84	11.58	-0.42	0.0	4.65e-04	-8.21e-04
4592	230	1.11	9.88	-0.45	0.0	6.36e-05	-9.53e-05
4592	235	-8.70	-15.26	-0.41	0.0	-1.48e-04	5.49e-04
4593	4	0.64	0.58	-0.79	0.0	9.80e-05	-1.28e-05
4593	44	0.56	-1.84	-0.69	0.0	1.05e-04	3.70e-06
4593	52	0.65	-0.33	-0.78	0.0	1.02e-04	-1.00e-05
4593	68	0.45	0.38	-0.55	0.0	6.98e-05	-9.20e-06
4593	88	0.40	-1.23	-0.49	0.0	7.42e-05	1.78e-06
4593	92	0.46	-0.23	-0.55	0.0	7.25e-05	-7.36e-06
4593	98	0.38	-0.18	-0.45	0.0	6.14e-05	-6.79e-06
4593	105	0.37	-0.38	-0.43	0.0	6.08e-05	-4.91e-06
4593	107	0.37	-0.17	-0.43	0.0	5.90e-05	-6.65e-06
4593	112	12.09	9.05	-0.43	0.0	3.07e-04	-6.34e-04
4593	134	0.88	7.69	-0.45	0.0	5.51e-05	-6.60e-05
4593	139	-6.21	-11.89	-0.42	0.0	-5.59e-05	4.00e-04
4593	144	13.58	10.22	-0.43	0.0	3.38e-04	-7.13e-04
4593	166	0.95	8.68	-0.46	0.0	5.48e-05	-7.42e-05
4593	171	-7.07	-13.37	-0.42	0.0	-7.09e-05	4.52e-04
4593	176	13.66	10.09	-0.43	0.0	3.38e-04	-7.04e-04
4593	198	0.99	8.66	-0.46	0.0	5.63e-05	-7.72e-05
4593	203	-7.26	-13.35	-0.42	0.0	-7.36e-05	4.56e-04
4593	208	16.04	11.81	-0.43	0.0	3.87e-04	-8.22e-04
4593	230	1.13	10.16	-0.46	0.0	5.69e-05	-9.33e-05
4593	235	-8.76	-15.65	-0.42	0.0	-9.98e-05	5.44e-04
4594	4	0.69	0.57	-0.80	0.0	9.73e-05	-1.05e-05
4594	44	0.62	-1.91	-0.70	0.0	1.06e-04	-7.70e-06
4594	52	0.70	-0.36	-0.80	0.0	1.02e-04	-1.09e-05
4594	68	0.49	0.37	-0.56	0.0	6.93e-05	-7.80e-06
4594	88	0.44	-1.28	-0.50	0.0	7.53e-05	-5.97e-06
4594	92	0.49	-0.25	-0.56	0.0	7.24e-05	-8.07e-06
4594	98	0.42	-0.20	-0.46	0.0	6.13e-05	-7.53e-06
4594	105	0.40	-0.40	-0.44	0.0	6.09e-05	-7.07e-06
4594	107	0.40	-0.19	-0.44	0.0	5.89e-05	-7.43e-06
4594	112	12.22	9.22	-0.44	0.0	2.85e-04	-6.35e-04
4594	134	0.90	7.87	-0.46	0.0	5.38e-05	-6.42e-05
4594	139	-6.22	-12.18	-0.43	0.0	-4.29e-05	3.95e-04
4594	144	13.72	10.40	-0.44	0.0	3.13e-04	-7.14e-04
4594	166	0.97	8.89	-0.47	0.0	5.33e-05	-7.20e-05
4594	171	-7.09	-13.70	-0.43	0.0	-5.62e-05	4.47e-04
4594	176	13.80	10.27	-0.44	0.0	3.13e-04	-7.05e-04
4594	198	1.02	8.87	-0.47	0.0	5.47e-05	-7.49e-05
4594	203	-7.28	-13.67	-0.43	0.0	-5.86e-05	4.51e-04
4594	208	16.21	12.02	-0.44	0.0	3.57e-04	-8.22e-04
4594	230	1.16	10.41	-0.47	0.0	5.51e-05	-9.04e-05
4594	235	-8.79	-16.03	-0.42	0.0	-8.19e-05	5.38e-04
4595	28	0.59	-1.21	-0.77	0.0	1.03e-04	0.0
4595	44	0.52	-1.78	-0.69	0.0	9.31e-05	6.81e-06
4595	52	0.59	-0.31	-0.77	0.0	1.01e-04	-7.14e-06
4595	80	0.41	-0.82	-0.54	0.0	7.30e-05	0.0
4595	88	0.37	-1.19	-0.49	0.0	6.64e-05	4.18e-06
4595	92	0.42	-0.21	-0.54	0.0	7.18e-05	-5.12e-06
4595	98	0.35	-0.17	-0.45	0.0	6.07e-05	-4.64e-06
4595	105	0.33	-0.36	-0.43	0.0	5.87e-05	-2.70e-06
4595	107	0.34	-0.16	-0.43	0.0	5.83e-05	-4.44e-06
4595	111	-8.85	-8.67	-0.46	0.0	-1.93e-04	4.96e-04
4595	112	11.64	8.88	-0.40	0.0	3.64e-04	-6.40e-04
4595	139	-6.02	-11.59	-0.45	0.0	-9.31e-05	4.07e-04
4595	143	-10.01	-9.74	-0.46	0.0	-2.25e-04	5.59e-04
4595	144	13.08	10.02	-0.40	0.0	4.03e-04	-7.20e-04
4595	171	-6.85	-13.04	-0.45	0.0	-1.13e-04	4.60e-04
4595	175	-10.05	-9.55	-0.46	0.0	-2.24e-04	5.50e-04
4595	176	13.15	9.90	-0.40	0.0	4.03e-04	-7.11e-04
4595	203	-7.02	-13.02	-0.45	0.0	-1.16e-04	4.65e-04
4595	207	-11.89	-11.10	-0.47	0.0	-2.73e-04	6.42e-04
4595	208	15.45	11.58	-0.39	0.0	4.63e-04	-8.31e-04
4595	235	-8.46	-15.26	-0.46	0.0	-1.50e-04	5.55e-04
4596	28	0.64	-1.26	-0.78	0.0	1.03e-04	-3.90e-06
4596	44	0.56	-1.84	-0.70	0.0	9.37e-05	0.0
4596	52	0.64	-0.33	-0.78	0.0	1.01e-04	-8.44e-06
4596	80	0.45	-0.85	-0.55	0.0	7.29e-05	-3.15e-06
4596	88	0.40	-1.23	-0.49	0.0	6.67e-05	0.0
4596	92	0.45	-0.23	-0.55	0.0	7.13e-05	-6.18e-06
4596	98	0.38	-0.18	-0.45	0.0	6.02e-05	-5.70e-06
4596	105	0.36	-0.38	-0.43	0.0	5.83e-05	-4.55e-06
4596	107	0.36	-0.17	-0.43	0.0	5.78e-05	-5.56e-06

4596	111	-8.92	-8.85	-0.46	0.0	-1.49e-04	4.92e-04
4596	112	11.80	9.05	-0.41	0.0	3.08e-04	-6.39e-04
4596	139	-6.05	-11.89	-0.45	0.0	-6.00e-05	4.03e-04
4596	143	-10.10	-9.94	-0.47	0.0	-1.75e-04	5.55e-04
4596	144	13.26	10.22	-0.40	0.0	3.40e-04	-7.19e-04
4596	171	-6.89	-13.37	-0.46	0.0	-7.54e-05	4.56e-04
4596	175	-10.14	-9.75	-0.47	0.0	-1.74e-04	5.46e-04
4596	176	13.33	10.09	-0.40	0.0	3.39e-04	-7.10e-04
4596	203	-7.06	-13.35	-0.46	0.0	-7.84e-05	4.59e-04
4596	207	-12.01	-11.32	-0.47	0.0	-2.15e-04	6.37e-04
4596	208	15.65	11.81	-0.40	0.0	3.89e-04	-8.29e-04
4596	235	-8.52	-15.65	-0.46	0.0	-1.05e-04	5.49e-04
4597	28	0.69	-1.32	-0.80	0.0	1.03e-04	-8.79e-06
4597	44	0.61	-1.91	-0.71	0.0	9.40e-05	-7.73e-06
4597	52	0.69	-0.37	-0.80	0.0	1.00e-04	-9.78e-06
4597	80	0.49	-0.89	-0.56	0.0	7.30e-05	-6.61e-06
4597	88	0.43	-1.28	-0.51	0.0	6.68e-05	-5.91e-06
4597	92	0.49	-0.25	-0.56	0.0	7.11e-05	-7.28e-06
4597	98	0.41	-0.20	-0.46	0.0	6.00e-05	-6.79e-06
4597	105	0.39	-0.40	-0.44	0.0	5.82e-05	-6.48e-06
4597	107	0.39	-0.19	-0.44	0.0	5.76e-05	-6.70e-06
4597	111	-8.98	-9.03	-0.47	0.0	-1.32e-04	4.87e-04
4597	112	11.94	9.21	-0.41	0.0	2.87e-04	-6.35e-04
4597	139	-6.07	-12.18	-0.46	0.0	-4.84e-05	3.97e-04
4597	143	-10.17	-10.14	-0.47	0.0	-1.56e-04	5.49e-04
4597	144	13.41	10.40	-0.41	0.0	3.16e-04	-7.15e-04
4597	171	-6.91	-13.70	-0.47	0.0	-6.23e-05	4.49e-04
4597	175	-10.21	-9.95	-0.47	0.0	-1.55e-04	5.40e-04
4597	176	13.48	10.26	-0.41	0.0	3.15e-04	-7.05e-04
4597	203	-7.09	-13.67	-0.47	0.0	-6.50e-05	4.52e-04
4597	207	-12.10	-11.55	-0.48	0.0	-1.93e-04	6.30e-04
4597	208	15.82	12.01	-0.40	0.0	3.61e-04	-8.23e-04
4597	235	-8.55	-16.03	-0.47	0.0	-8.94e-05	5.40e-04
4598	28	0.59	-1.21	-0.80	0.0	9.96e-05	-2.19e-06
4598	44	0.52	-1.78	-0.72	0.0	8.81e-05	1.25e-06
4598	52	0.59	-0.30	-0.79	0.0	9.98e-05	-5.80e-06
4598	80	0.41	-0.82	-0.56	0.0	7.05e-05	-1.67e-06
4598	88	0.37	-1.19	-0.51	0.0	6.28e-05	0.0
4598	92	0.42	-0.21	-0.56	0.0	7.06e-05	-4.08e-06
4598	98	0.35	-0.17	-0.46	0.0	5.95e-05	-3.71e-06
4598	105	0.33	-0.36	-0.44	0.0	5.70e-05	-2.68e-06
4598	107	0.33	-0.16	-0.44	0.0	5.70e-05	-3.48e-06
4598	112	11.36	8.88	-0.38	0.0	3.69e-04	-6.45e-04
4598	127	0.77	-9.75	-0.51	0.0	7.53e-05	-5.41e-05
4598	139	-5.86	-11.59	-0.50	0.0	-9.82e-05	4.09e-04
4598	144	12.76	10.02	-0.37	0.0	4.08e-04	-7.27e-04
4598	159	0.83	-10.94	-0.52	0.0	7.76e-05	-6.11e-05
4598	171	-6.67	-13.04	-0.51	0.0	-1.18e-04	4.63e-04
4598	175	-9.77	-9.55	-0.51	0.0	-2.28e-04	5.58e-04
4598	176	12.82	9.90	-0.37	0.0	4.07e-04	-7.18e-04
4598	203	-6.83	-13.02	-0.51	0.0	-1.22e-04	4.67e-04
4598	208	15.05	11.58	-0.36	0.0	4.69e-04	-8.40e-04
4598	215	-10.93	-11.96	-0.53	0.0	-2.22e-04	7.55e-04
4598	235	-8.22	-15.26	-0.53	0.0	-1.57e-04	5.58e-04
4599	28	0.63	-1.26	-0.81	0.0	9.84e-05	-5.05e-06
4599	44	0.56	-1.83	-0.73	0.0	8.68e-05	-2.95e-06
4599	52	0.64	-0.33	-0.80	0.0	9.87e-05	-7.17e-06
4599	80	0.45	-0.85	-0.57	0.0	6.95e-05	-3.81e-06
4599	88	0.40	-1.23	-0.52	0.0	6.18e-05	-2.41e-06
4599	92	0.45	-0.23	-0.57	0.0	6.97e-05	-5.22e-06
4599	98	0.38	-0.18	-0.47	0.0	5.86e-05	-4.86e-06
4599	105	0.36	-0.38	-0.45	0.0	5.60e-05	-4.23e-06
4599	107	0.36	-0.17	-0.45	0.0	5.61e-05	-4.70e-06
4599	112	11.52	9.05	-0.38	0.0	3.16e-04	-6.41e-04
4599	127	0.81	-9.98	-0.51	0.0	-1.04e-04	-5.78e-05
4599	139	-5.90	-11.89	-0.51	0.0	-6.87e-05	4.04e-04
4599	144	12.94	10.22	-0.37	0.0	3.49e-04	-7.22e-04
4599	159	0.87	-11.20	-0.52	0.0	-1.24e-04	-6.51e-05
4599	171	-6.71	-13.37	-0.52	0.0	-8.51e-05	4.57e-04
4599	175	-9.87	-9.75	-0.52	0.0	-2.42e-04	5.51e-04
4599	176	13.00	10.09	-0.37	0.0	3.48e-04	-7.13e-04
4599	203	-6.87	-13.35	-0.52	0.0	-8.83e-05	4.61e-04
4599	208	15.26	11.81	-0.36	0.0	4.00e-04	-8.33e-04
4599	215	-11.02	-12.21	-0.53	0.0	-2.40e-04	7.41e-04
4599	235	-8.28	-15.65	-0.53	0.0	-1.17e-04	5.51e-04

4600	28	0.68	-1.33	-0.83	0.0	9.78e-05	-8.41e-06
4600	44	0.60	-1.91	-0.75	0.0	8.61e-05	-7.70e-06
4600	52	0.69	-0.37	-0.82	0.0	9.81e-05	-8.92e-06
4600	80	0.48	-0.89	-0.58	0.0	6.90e-05	-6.29e-06
4600	88	0.43	-1.28	-0.53	0.0	6.13e-05	-5.82e-06
4600	92	0.49	-0.26	-0.58	0.0	6.93e-05	-6.63e-06
4600	98	0.41	-0.20	-0.48	0.0	5.82e-05	-6.19e-06
4600	105	0.39	-0.41	-0.46	0.0	5.55e-05	-5.99e-06
4600	107	0.39	-0.19	-0.46	0.0	5.56e-05	-6.11e-06
4600	112	11.66	9.21	-0.39	0.0	2.96e-04	-6.35e-04
4600	127	0.84	-10.22	-0.52	0.0	-9.34e-05	-6.20e-05
4600	139	-5.92	-12.18	-0.52	0.0	-5.88e-05	3.97e-04
4600	144	13.09	10.40	-0.38	0.0	3.27e-04	-7.15e-04
4600	159	0.90	-11.47	-0.53	0.0	-1.12e-04	-6.96e-05
4600	171	-6.74	-13.70	-0.53	0.0	-7.38e-05	4.49e-04
4600	175	-9.95	-9.95	-0.53	0.0	-2.21e-04	5.41e-04
4600	176	13.16	10.26	-0.38	0.0	3.26e-04	-7.05e-04
4600	203	-6.90	-13.68	-0.53	0.0	-7.68e-05	4.53e-04
4600	208	15.44	12.01	-0.37	0.0	3.74e-04	-8.23e-04
4600	215	-11.09	-12.46	-0.54	0.0	-2.16e-04	7.24e-04
4600	235	-8.32	-16.03	-0.54	0.0	-1.03e-04	5.41e-04
4601	28	0.58	-1.21	-0.86	0.0	9.77e-05	-4.39e-06
4601	44	0.52	-1.77	-0.78	0.0	8.55e-05	-2.52e-06
4601	52	0.58	-0.30	-0.84	0.0	9.86e-05	-5.33e-06
4601	80	0.41	-0.82	-0.61	0.0	6.90e-05	-3.07e-06
4601	88	0.37	-1.19	-0.55	0.0	6.08e-05	-1.82e-06
4601	92	0.41	-0.21	-0.59	0.0	6.95e-05	-3.70e-06
4601	98	0.35	-0.17	-0.49	0.0	5.84e-05	-3.47e-06
4601	105	0.33	-0.36	-0.48	0.0	5.56e-05	-2.98e-06
4601	107	0.33	-0.16	-0.47	0.0	5.58e-05	-3.19e-06
4601	112	11.07	8.88	-0.35	0.0	3.78e-04	-6.47e-04
4601	127	0.78	-9.75	-0.60	0.0	-1.45e-04	-5.41e-05
4601	139	-5.70	-11.59	-0.60	0.0	-1.07e-04	4.06e-04
4601	144	12.44	10.02	-0.33	0.0	4.19e-04	-7.28e-04
4601	159	0.84	-10.94	-0.62	0.0	-1.70e-04	-6.11e-05
4601	171	-6.49	-13.04	-0.61	0.0	-1.28e-04	4.59e-04
4601	176	12.49	9.90	-0.33	0.0	4.18e-04	-7.20e-04
4601	195	1.14	-10.83	-0.62	0.0	-1.53e-04	-4.43e-05
4601	203	-6.63	-13.02	-0.62	0.0	-1.31e-04	4.64e-04
4601	208	14.66	11.58	-0.31	0.0	4.82e-04	-8.42e-04
4601	219	-13.26	-12.76	-0.64	0.0	-3.15e-04	9.36e-04
4601	235	-7.98	-15.26	-0.64	0.0	-1.68e-04	5.55e-04
4602	28	0.63	-1.26	-0.87	0.0	9.53e-05	-5.63e-06
4602	44	0.56	-1.83	-0.79	0.0	8.27e-05	-4.41e-06
4602	52	0.63	-0.33	-0.85	0.0	9.65e-05	-6.23e-06
4602	80	0.45	-0.85	-0.61	0.0	6.71e-05	-4.15e-06
4602	88	0.40	-1.23	-0.56	0.0	5.87e-05	-3.34e-06
4602	92	0.45	-0.23	-0.60	0.0	6.79e-05	-4.55e-06
4602	98	0.38	-0.18	-0.50	0.0	5.69e-05	-4.50e-06
4602	105	0.36	-0.38	-0.48	0.0	5.40e-05	-4.18e-06
4602	107	0.36	-0.17	-0.48	0.0	5.43e-05	-4.31e-06
4602	112	11.24	9.06	-0.35	0.0	3.30e-04	-6.42e-04
4602	127	0.82	-9.98	-0.61	0.0	-1.21e-04	-5.77e-05
4602	139	-5.74	-11.89	-0.60	0.0	-8.07e-05	4.03e-04
4602	144	12.63	10.22	-0.34	0.0	3.65e-04	-7.22e-04
4602	159	0.88	-11.20	-0.62	0.0	-1.43e-04	-6.50e-05
4602	171	-6.54	-13.37	-0.62	0.0	-9.83e-05	4.55e-04
4602	176	12.68	10.09	-0.34	0.0	3.64e-04	-7.13e-04
4602	195	1.18	-11.09	-0.62	0.0	-1.27e-04	-4.88e-05
4602	203	-6.68	-13.35	-0.62	0.0	-1.02e-04	4.60e-04
4602	208	14.87	11.81	-0.31	0.0	4.19e-04	-8.34e-04
4602	219	-13.39	-13.03	-0.65	0.0	-2.59e-04	9.22e-04
4602	235	-8.05	-15.65	-0.65	0.0	-1.33e-04	5.49e-04
4603	28	0.68	-1.33	-0.89	0.0	9.39e-05	-7.82e-06
4603	44	0.60	-1.91	-0.81	0.0	8.12e-05	-7.33e-06
4603	52	0.68	-0.38	-0.87	0.0	9.53e-05	-8.02e-06
4603	80	0.48	-0.90	-0.63	0.0	6.61e-05	-5.84e-06
4603	88	0.43	-1.29	-0.57	0.0	5.76e-05	-5.52e-06
4603	92	0.48	-0.26	-0.62	0.0	6.70e-05	-5.98e-06
4603	98	0.40	-0.21	-0.51	0.0	5.60e-05	-5.64e-06
4603	105	0.39	-0.41	-0.49	0.0	5.31e-05	-5.52e-06
4603	107	0.39	-0.20	-0.49	0.0	5.34e-05	-5.56e-06
4603	112	11.39	9.21	-0.36	0.0	3.11e-04	-6.35e-04
4603	127	0.85	-10.23	-0.62	0.0	-1.12e-04	-6.15e-05
4603	139	-5.77	-12.19	-0.61	0.0	-7.21e-05	3.98e-04

4603	144	12.79	10.40	-0.35	0.0	3.44e-04	-7.14e-04
4603	159	0.92	-11.47	-0.63	0.0	-1.33e-04	-6.91e-05
4603	171	-6.57	-13.70	-0.63	0.0	-8.85e-05	4.50e-04
4603	176	12.84	10.26	-0.35	0.0	3.43e-04	-7.05e-04
4603	195	1.23	-11.36	-0.63	0.0	-1.18e-04	-5.37e-05
4603	203	-6.72	-13.68	-0.63	0.0	-9.18e-05	4.53e-04
4603	208	15.06	12.01	-0.32	0.0	3.94e-04	-8.23e-04
4603	219	-13.51	-13.31	-0.66	0.0	-2.39e-04	9.05e-04
4603	235	-8.10	-16.03	-0.66	0.0	-1.21e-04	5.41e-04
4604	28	0.58	-1.21	-0.96	0.0	9.76e-05	-7.35e-06
4604	44	0.51	-1.77	-0.88	0.0	8.50e-05	-6.01e-06
4604	52	0.58	-0.30	-0.93	0.0	9.83e-05	-7.03e-06
4604	80	0.41	-0.82	-0.68	0.0	6.87e-05	-5.13e-06
4604	88	0.37	-1.19	-0.63	0.0	6.02e-05	-4.23e-06
4604	92	0.41	-0.21	-0.66	0.0	6.91e-05	-4.92e-06
4604	98	0.34	-0.17	-0.55	0.0	5.76e-05	-4.67e-06
4604	105	0.33	-0.36	-0.53	0.0	5.48e-05	-4.39e-06
4604	107	0.33	-0.16	-0.53	0.0	5.49e-05	-4.32e-06
4604	112	10.79	8.88	-0.30	0.0	3.92e-04	-6.38e-04
4604	127	0.80	-9.75	-0.77	0.0	-1.57e-04	-5.77e-05
4604	139	-5.54	-11.59	-0.76	0.0	-1.18e-04	3.95e-04
4604	144	12.12	10.02	-0.27	0.0	4.34e-04	-7.19e-04
4604	159	0.86	-10.94	-0.79	0.0	-1.83e-04	-6.51e-05
4604	171	-6.31	-13.04	-0.79	0.0	-1.40e-04	4.47e-04
4604	176	12.16	9.90	-0.27	0.0	4.33e-04	-7.11e-04
4604	203	-6.44	-13.02	-0.79	0.0	-1.43e-04	4.51e-04
4604	208	14.26	11.58	-0.22	0.0	4.99e-04	-8.31e-04
4604	235	-7.74	-15.26	-0.84	0.0	-1.81e-04	5.39e-04
4605	28	0.63	-1.26	-0.97	0.0	9.37e-05	-6.71e-06
4605	44	0.56	-1.83	-0.89	0.0	8.06e-05	-5.65e-06
4605	52	0.63	-0.32	-0.94	0.0	9.46e-05	-6.69e-06
4605	80	0.44	-0.84	-0.69	0.0	6.57e-05	-5.06e-06
4605	88	0.40	-1.23	-0.63	0.0	5.70e-05	-4.35e-06
4605	92	0.45	-0.22	-0.67	0.0	6.64e-05	-5.04e-06
4605	98	0.37	-0.18	-0.55	0.0	5.55e-05	-5.71e-06
4605	105	0.36	-0.37	-0.54	0.0	5.25e-05	-5.47e-06
4605	107	0.36	-0.17	-0.53	0.0	5.27e-05	-5.47e-06
4605	112	10.97	9.06	-0.30	0.0	3.46e-04	-6.38e-04
4605	127	0.83	-9.98	-0.77	0.0	-1.36e-04	-6.03e-05
4605	139	-5.59	-11.89	-0.77	0.0	-9.38e-05	3.96e-04
4605	144	12.32	10.22	-0.27	0.0	3.83e-04	-7.18e-04
4605	159	0.90	-11.20	-0.80	0.0	-1.60e-04	-6.78e-05
4605	171	-6.36	-13.37	-0.80	0.0	-1.13e-04	4.48e-04
4605	176	12.36	10.09	-0.27	0.0	3.82e-04	-7.09e-04
4605	203	-6.50	-13.35	-0.80	0.0	-1.16e-04	4.52e-04
4605	208	14.49	11.81	-0.23	0.0	4.40e-04	-8.29e-04
4605	235	-7.82	-15.65	-0.85	0.0	-1.49e-04	5.40e-04
4606	28	0.67	-1.33	-0.99	0.0	9.10e-05	-7.37e-06
4606	44	0.59	-1.92	-0.91	0.0	7.77e-05	-6.98e-06
4606	52	0.68	-0.38	-0.96	0.0	9.21e-05	-7.41e-06
4606	80	0.48	-0.90	-0.70	0.0	6.38e-05	-5.52e-06
4606	88	0.42	-1.29	-0.65	0.0	5.49e-05	-5.26e-06
4606	92	0.48	-0.26	-0.68	0.0	6.46e-05	-5.55e-06
4606	98	0.40	-0.21	-0.56	0.0	5.41e-05	-5.38e-06
4606	105	0.38	-0.41	-0.55	0.0	5.11e-05	-5.29e-06
4606	107	0.38	-0.20	-0.54	0.0	5.13e-05	-5.30e-06
4606	112	11.13	9.21	-0.31	0.0	3.28e-04	-6.34e-04
4606	127	0.87	-10.23	-0.78	0.0	-1.29e-04	-6.13e-05
4606	139	-5.63	-12.19	-0.78	0.0	-8.60e-05	3.97e-04
4606	144	12.49	10.40	-0.28	0.0	3.63e-04	-7.14e-04
4606	159	0.94	-11.48	-0.81	0.0	-1.51e-04	-6.90e-05
4606	171	-6.41	-13.71	-0.81	0.0	-1.04e-04	4.50e-04
4606	176	12.53	10.26	-0.28	0.0	3.62e-04	-7.04e-04
4606	203	-6.54	-13.68	-0.81	0.0	-1.07e-04	4.53e-04
4606	208	14.69	12.01	-0.24	0.0	4.17e-04	-8.23e-04
4606	235	-7.88	-16.03	-0.86	0.0	-1.38e-04	5.41e-04
4607	28	0.58	-1.21	-1.12	0.0	1.00e-04	-1.37e-05
4607	44	0.51	-1.77	-1.04	0.0	8.73e-05	-1.20e-05
4607	52	0.58	-0.30	-1.07	0.0	1.00e-04	-1.33e-05
4607	80	0.41	-0.82	-0.79	0.0	7.01e-05	-9.64e-06
4607	88	0.36	-1.19	-0.74	0.0	6.15e-05	-8.50e-06
4607	92	0.41	-0.21	-0.76	0.0	7.02e-05	-9.40e-06
4607	98	0.34	-0.17	-0.63	0.0	5.74e-05	-8.27e-06
4607	105	0.33	-0.36	-0.62	0.0	5.45e-05	-7.92e-06
4607	107	0.33	-0.16	-0.61	0.0	5.46e-05	-7.84e-06

4607	112	10.52	8.88	-0.20	0.0	4.05e-04	-6.17e-04
4607	127	0.82	-9.75	-1.04	0.0	-1.63e-04	-6.90e-05
4607	139	-5.39	-11.59	-1.04	0.0	-1.32e-04	3.72e-04
4607	144	11.82	10.02	-0.15	0.0	4.50e-04	-6.94e-04
4607	167	-6.53	-12.94	-1.09	0.0	-1.76e-04	4.10e-04
4607	171	-6.13	-13.04	-1.09	0.0	-1.56e-04	4.21e-04
4607	176	11.85	9.90	-0.15	0.0	4.48e-04	-6.86e-04
4607	203	-6.25	-13.02	-1.10	0.0	-1.58e-04	4.25e-04
4607	208	13.88	11.58	-0.07	0.0	5.16e-04	-8.02e-04
4607	235	-7.51	-15.26	-1.18	0.0	-1.98e-04	5.08e-04
4608	28	0.63	-1.25	-1.14	0.0	9.42e-05	-1.45e-05
4608	44	0.55	-1.82	-1.06	0.0	8.06e-05	-1.25e-05
4608	52	0.63	-0.32	-1.09	0.0	9.47e-05	-1.47e-05
4608	80	0.44	-0.84	-0.80	0.0	6.59e-05	-1.11e-05
4608	88	0.39	-1.22	-0.75	0.0	5.68e-05	-9.83e-06
4608	92	0.44	-0.22	-0.77	0.0	6.62e-05	-1.13e-05
4608	98	0.37	-0.17	-0.64	0.0	5.55e-05	-1.30e-05
4608	105	0.35	-0.37	-0.63	0.0	5.24e-05	-1.25e-05
4608	107	0.35	-0.16	-0.62	0.0	5.25e-05	-1.26e-05
4608	112	10.70	9.06	-0.21	0.0	3.59e-04	-6.31e-04
4608	127	0.86	-9.98	-1.05	0.0	-1.41e-04	-7.11e-05
4608	139	-5.45	-11.88	-1.05	0.0	-1.07e-04	3.78e-04
4608	144	12.02	10.23	-0.16	0.0	3.97e-04	-7.09e-04
4608	167	-6.60	-13.27	-1.11	0.0	-1.44e-04	4.17e-04
4608	171	-6.20	-13.37	-1.10	0.0	-1.27e-04	4.29e-04
4608	176	12.05	10.09	-0.15	0.0	3.96e-04	-7.00e-04
4608	203	-6.31	-13.34	-1.11	0.0	-1.30e-04	4.32e-04
4608	208	14.12	11.81	-0.07	0.0	4.56e-04	-8.16e-04
4608	235	-7.59	-15.64	-1.20	0.0	-1.64e-04	5.17e-04
4609	28	0.67	-1.34	-1.17	0.0	8.89e-05	-1.02e-05
4609	44	0.59	-1.92	-1.09	0.0	7.48e-05	-1.00e-05
4609	52	0.67	-0.38	-1.12	0.0	8.97e-05	-1.01e-05
4609	80	0.47	-0.90	-0.83	0.0	6.24e-05	-7.47e-06
4609	88	0.42	-1.29	-0.77	0.0	5.30e-05	-7.31e-06
4609	92	0.47	-0.27	-0.79	0.0	6.29e-05	-7.39e-06
4609	98	0.40	-0.21	-0.66	0.0	5.42e-05	-6.29e-06
4609	105	0.38	-0.41	-0.65	0.0	5.11e-05	-6.25e-06
4609	107	0.38	-0.20	-0.64	0.0	5.12e-05	-6.22e-06
4609	112	10.87	9.21	-0.22	0.0	3.40e-04	-6.37e-04
4609	127	0.89	-10.23	-1.07	0.0	-1.34e-04	-6.19e-05
4609	139	-5.49	-12.19	-1.07	0.0	-9.78e-05	3.98e-04
4609	144	12.20	10.40	-0.17	0.0	3.77e-04	-7.17e-04
4609	159	0.96	-11.48	-1.12	0.0	-1.57e-04	-6.95e-05
4609	171	-6.25	-13.71	-1.12	0.0	-1.17e-04	4.50e-04
4609	176	12.23	10.26	-0.17	0.0	3.76e-04	-7.08e-04
4609	203	-6.37	-13.69	-1.12	0.0	-1.20e-04	4.53e-04
4609	208	14.33	12.01	-0.09	0.0	4.32e-04	-8.27e-04
4609	235	-7.67	-16.04	-1.21	0.0	-1.52e-04	5.41e-04
4610	4	0.42	0.54	-2.73	0.0	1.75e-04	2.70e-05
4610	44	0.30	-1.59	-2.08	0.0	2.68e-05	-9.57e-05
4610	68	0.30	0.35	-1.92	0.0	1.24e-04	1.72e-05
4610	88	0.21	-1.07	-1.49	0.0	2.58e-05	-6.45e-05
4610	98	0.24	-0.15	-1.55	0.0	9.08e-05	-2.71e-06
4610	105	0.22	-0.33	-1.46	0.0	7.42e-05	-1.53e-05
4610	107	0.23	-0.15	-1.49	0.0	8.82e-05	-2.98e-06
4610	112	12.64	4.14	-2.10	0.0	8.37e-04	-4.73e-04
4610	136	7.28	8.27	-2.81	0.0	5.03e-04	-3.02e-04
4610	139	-6.81	-8.56	-0.17	0.0	-3.26e-04	2.96e-04
4610	144	14.22	4.68	-2.18	0.0	9.32e-04	-5.32e-04
4610	168	8.20	9.32	-2.97	0.0	5.57e-04	-3.40e-04
4610	171	-7.73	-9.62	-5.31e-03	0.0	-3.81e-04	3.34e-04
4610	176	14.33	4.62	-2.16	0.0	9.36e-04	-5.22e-04
4610	200	8.44	9.24	-2.95	0.0	5.72e-04	-3.40e-04
4610	203	-7.97	-9.53	-0.02	0.0	-3.95e-04	3.34e-04
4610	216	17.05	5.65	-2.30	0.0	1.09e-03	-6.65e-04
4610	232	10.08	10.81	-3.19	0.0	6.69e-04	-4.03e-04
4610	235	-9.61	-11.10	0.22	0.0	-4.93e-04	3.97e-04
4611	4	0.51	0.52	-2.72	0.0	1.65e-04	3.97e-05
4611	44	0.31	-1.69	-2.08	0.0	5.62e-05	-1.81e-04
4611	68	0.36	0.33	-1.92	0.0	1.18e-04	2.51e-05
4611	88	0.23	-1.14	-1.49	0.0	4.50e-05	-1.22e-04
4611	98	0.29	-0.18	-1.55	0.0	8.95e-05	-9.00e-06
4611	105	0.26	-0.36	-1.46	0.0	7.68e-05	-3.16e-05
4611	107	0.28	-0.17	-1.48	0.0	8.67e-05	-9.13e-06
4611	112	13.09	4.23	-2.10	0.0	8.24e-04	-5.45e-04

4611	136	7.54	8.50	-2.80	0.0	4.93e-04	-3.41e-04
4611	139	-6.98	-8.85	-0.17	0.0	-3.19e-04	3.23e-04
4611	144	14.72	4.79	-2.18	0.0	9.18e-04	-6.13e-04
4611	168	8.49	9.59	-2.97	0.0	5.46e-04	-3.84e-04
4611	171	-7.93	-9.94	-1.98e-03	0.0	-3.73e-04	3.66e-04
4611	176	14.83	4.72	-2.16	0.0	9.22e-04	-6.04e-04
4611	200	8.74	9.50	-2.95	0.0	5.60e-04	-3.84e-04
4611	203	-8.18	-9.85	-0.02	0.0	-3.86e-04	3.66e-04
4611	216	17.63	5.78	-2.30	0.0	1.07e-03	-7.56e-04
4611	232	10.43	11.12	-3.19	0.0	6.55e-04	-4.55e-04
4611	235	-9.87	-11.47	0.22	0.0	-4.82e-04	4.37e-04
4612	4	0.60	0.49	-2.72	0.0	1.42e-04	3.54e-05
4612	44	0.35	-1.78	-2.08	0.0	9.33e-05	-2.37e-04
4612	68	0.42	0.32	-1.92	0.0	1.01e-04	2.14e-05
4612	88	0.26	-1.20	-1.49	0.0	6.87e-05	-1.60e-04
4612	98	0.34	-0.21	-1.55	0.0	8.27e-05	-1.93e-05
4612	105	0.31	-0.40	-1.45	0.0	7.62e-05	-4.70e-05
4612	107	0.33	-0.20	-1.48	0.0	7.99e-05	-1.91e-05
4612	112	13.52	4.32	-2.10	0.0	7.14e-04	-6.52e-04
4612	136	7.80	8.73	-2.80	0.0	4.25e-04	-4.05e-04
4612	139	-7.14	-9.13	-0.17	0.0	-2.66e-04	3.67e-04
4612	144	15.20	4.89	-2.18	0.0	7.94e-04	-7.32e-04
4612	168	8.78	9.85	-2.97	0.0	4.71e-04	-4.55e-04
4612	171	-8.12	-10.26	-1.36e-03	0.0	-3.11e-04	4.17e-04
4612	176	15.31	4.83	-2.16	0.0	7.98e-04	-7.24e-04
4612	200	9.03	9.76	-2.95	0.0	4.82e-04	-4.57e-04
4612	203	-8.38	-10.16	-0.02	0.0	-3.22e-04	4.19e-04
4612	216	18.18	5.91	-2.30	0.0	9.07e-04	-8.98e-04
4612	232	10.77	11.43	-3.19	0.0	5.63e-04	-5.41e-04
4612	235	-10.12	-11.83	0.22	0.0	-4.03e-04	5.03e-04
4613	4	0.66	0.47	-2.72	0.0	1.04e-04	1.68e-05
4613	44	0.41	-1.87	-2.08	0.0	1.29e-04	-2.49e-04
4613	68	0.47	0.30	-1.92	0.0	7.47e-05	7.87e-06
4613	88	0.30	-1.26	-1.49	0.0	9.08e-05	-1.70e-04
4613	98	0.38	-0.24	-1.55	0.0	6.88e-05	-3.10e-05
4613	105	0.35	-0.43	-1.46	0.0	6.99e-05	-5.80e-05
4613	107	0.37	-0.23	-1.48	0.0	6.62e-05	-3.05e-05
4613	112	13.84	4.41	-2.10	0.0	5.12e-04	-7.81e-04
4613	136	7.99	8.96	-2.80	0.0	3.06e-04	-4.85e-04
4613	139	-7.26	-9.42	-0.17	0.0	-1.74e-04	4.24e-04
4613	144	15.56	4.99	-2.17	0.0	5.69e-04	-8.76e-04
4613	168	8.99	10.11	-2.96	0.0	3.38e-04	-5.44e-04
4613	171	-8.26	-10.57	-3.23e-03	0.0	-2.05e-04	4.83e-04
4613	176	15.68	4.93	-2.16	0.0	5.71e-04	-8.69e-04
4613	200	9.25	10.02	-2.95	0.0	3.45e-04	-5.49e-04
4613	203	-8.52	-10.47	-0.02	0.0	-2.12e-04	4.88e-04
4613	216	18.59	6.04	-2.30	0.0	6.29e-04	-1.07e-03
4613	232	11.03	11.73	-3.19	0.0	4.00e-04	-6.50e-04
4613	235	-10.30	-12.19	0.22	0.0	-2.68e-04	5.89e-04
4614	4	0.42	0.53	-2.40	0.0	1.79e-04	0.0
4614	44	0.27	-1.59	-1.87	0.0	-1.89e-05	-3.57e-05
4614	68	0.30	0.35	-1.68	0.0	1.26e-04	0.0
4614	88	0.20	-1.07	-1.33	0.0	-5.43e-06	-2.47e-05
4614	98	0.24	-0.15	-1.36	0.0	8.54e-05	-6.18e-06
4614	105	0.22	-0.33	-1.28	0.0	6.37e-05	-9.85e-06
4614	107	0.23	-0.15	-1.30	0.0	8.27e-05	-6.23e-06
4614	112	12.41	4.14	-1.74	0.0	8.20e-04	-5.27e-04
4614	136	7.14	8.27	-2.24	0.0	4.94e-04	-3.38e-04
4614	139	-6.68	-8.56	-0.37	0.0	-3.29e-04	3.26e-04
4614	144	13.97	4.68	-1.79	0.0	9.14e-04	-5.92e-04
4614	168	8.05	9.32	-2.35	0.0	5.48e-04	-3.81e-04
4614	171	-7.58	-9.62	-0.25	0.0	-3.83e-04	3.69e-04
4614	176	14.07	4.62	-1.78	0.0	9.18e-04	-5.84e-04
4614	200	8.28	9.24	-2.34	0.0	5.63e-04	-3.83e-04
4614	203	-7.81	-9.53	-0.27	0.0	-3.97e-04	3.70e-04
4614	216	16.69	5.65	-1.88	0.0	1.08e-03	-7.47e-04
4614	232	9.88	10.81	-2.51	0.0	6.60e-04	-4.55e-04
4614	235	-9.42	-11.10	-0.10	0.0	-4.94e-04	4.42e-04
4615	4	0.52	0.51	-2.40	0.0	1.61e-04	-1.79e-06
4615	44	0.26	-1.69	-1.87	0.0	1.85e-05	-6.64e-05
4615	68	0.36	0.33	-1.69	0.0	1.14e-04	-2.76e-06
4615	88	0.19	-1.14	-1.34	0.0	1.90e-05	-4.59e-05
4615	98	0.29	-0.18	-1.37	0.0	8.17e-05	-1.25e-05
4615	105	0.25	-0.36	-1.29	0.0	6.56e-05	-1.90e-05
4615	107	0.27	-0.17	-1.31	0.0	7.91e-05	-1.25e-05

4615	112	12.83	4.23	-1.74	0.0	7.46e-04	-5.74e-04
4615	136	7.39	8.50	-2.24	0.0	4.47e-04	-3.67e-04
4615	139	-6.84	-8.85	-0.37	0.0	-2.89e-04	3.42e-04
4615	144	14.43	4.79	-1.80	0.0	8.31e-04	-6.45e-04
4615	168	8.32	9.59	-2.36	0.0	4.96e-04	-4.13e-04
4615	171	-7.77	-9.94	-0.25	0.0	-3.38e-04	3.88e-04
4615	176	14.54	4.72	-1.79	0.0	8.34e-04	-6.36e-04
4615	200	8.56	9.50	-2.35	0.0	5.08e-04	-4.15e-04
4615	203	-8.01	-9.85	-0.26	0.0	-3.50e-04	3.90e-04
4615	216	17.24	5.78	-1.89	0.0	9.67e-04	-8.03e-04
4615	232	10.22	11.12	-2.52	0.0	5.95e-04	-4.92e-04
4615	235	-9.67	-11.47	-0.09	0.0	-4.37e-04	4.67e-04
4616	4	0.60	0.49	-2.41	0.0	1.32e-04	-1.02e-05
4616	44	0.28	-1.78	-1.88	0.0	7.50e-05	-8.83e-05
4616	68	0.42	0.32	-1.69	0.0	9.42e-05	-9.08e-06
4616	88	0.21	-1.20	-1.34	0.0	5.59e-05	-6.11e-05
4616	98	0.33	-0.21	-1.37	0.0	7.53e-05	-2.01e-05
4616	105	0.29	-0.40	-1.29	0.0	6.79e-05	-2.78e-05
4616	107	0.31	-0.20	-1.31	0.0	7.26e-05	-1.98e-05
4616	112	13.20	4.32	-1.75	0.0	6.30e-04	-6.54e-04
4616	136	7.61	8.73	-2.25	0.0	3.76e-04	-4.16e-04
4616	139	-6.98	-9.13	-0.37	0.0	-2.30e-04	3.77e-04
4616	144	14.84	4.89	-1.80	0.0	7.00e-04	-7.34e-04
4616	168	8.56	9.85	-2.37	0.0	4.15e-04	-4.68e-04
4616	171	-7.93	-10.26	-0.25	0.0	-2.70e-04	4.28e-04
4616	176	14.95	4.83	-1.79	0.0	7.03e-04	-7.26e-04
4616	200	8.81	9.76	-2.36	0.0	4.25e-04	-4.71e-04
4616	203	-8.18	-10.16	-0.26	0.0	-2.80e-04	4.32e-04
4616	216	17.70	5.91	-1.89	0.0	7.95e-04	-9.10e-04
4616	232	10.51	11.43	-2.53	0.0	4.96e-04	-5.58e-04
4616	235	-9.88	-11.83	-0.09	0.0	-3.50e-04	5.18e-04
4617	4	0.66	0.47	-2.42	0.0	9.80e-05	-1.93e-05
4617	44	0.34	-1.87	-1.89	0.0	1.38e-04	-9.38e-05
4617	68	0.46	0.30	-1.70	0.0	7.04e-05	-1.56e-05
4617	88	0.25	-1.26	-1.35	0.0	9.70e-05	-6.52e-05
4617	98	0.37	-0.24	-1.37	0.0	6.71e-05	-2.55e-05
4617	105	0.32	-0.43	-1.29	0.0	6.98e-05	-3.28e-05
4617	107	0.35	-0.23	-1.31	0.0	6.46e-05	-2.51e-05
4617	112	13.49	4.41	-1.76	0.0	4.89e-04	-7.08e-04
4617	136	7.78	8.96	-2.26	0.0	2.92e-04	-4.51e-04
4617	139	-7.08	-9.41	-0.37	0.0	-1.62e-04	4.01e-04
4617	144	15.17	4.99	-1.81	0.0	5.43e-04	-7.95e-04
4617	168	8.76	10.11	-2.38	0.0	3.21e-04	-5.06e-04
4617	171	-8.05	-10.57	-0.25	0.0	-1.92e-04	4.56e-04
4617	176	15.28	4.93	-1.80	0.0	5.45e-04	-7.87e-04
4617	200	9.01	10.02	-2.36	0.0	3.27e-04	-5.11e-04
4617	203	-8.30	-10.47	-0.26	0.0	-1.98e-04	4.61e-04
4617	216	18.07	6.04	-1.90	0.0	5.90e-04	-9.84e-04
4617	232	10.74	11.73	-2.54	0.0	3.79e-04	-6.04e-04
4617	235	-10.03	-12.19	-0.09	0.0	-2.50e-04	5.54e-04
4618	4	0.42	0.53	-2.03	0.0	1.70e-04	-1.25e-05
4618	44	0.26	-1.59	-1.61	0.0	-2.50e-05	-1.52e-06
4618	68	0.29	0.35	-1.42	0.0	1.20e-04	-9.20e-06
4618	88	0.19	-1.07	-1.15	0.0	-1.03e-05	-1.86e-06
4618	98	0.24	-0.15	-1.15	0.0	7.92e-05	-7.46e-06
4618	105	0.21	-0.33	-1.08	0.0	5.78e-05	-6.17e-06
4618	107	0.23	-0.15	-1.10	0.0	7.66e-05	-7.38e-06
4618	112	12.16	4.14	-1.38	0.0	7.90e-04	-5.56e-04
4618	136	6.99	8.26	-1.69	0.0	4.77e-04	-3.59e-04
4618	139	-6.53	-8.56	-0.51	0.0	-3.24e-04	3.44e-04
4618	144	13.69	4.68	-1.41	0.0	8.80e-04	-6.25e-04
4618	168	7.88	9.32	-1.77	0.0	5.30e-04	-4.05e-04
4618	171	-7.42	-9.62	-0.43	0.0	-3.76e-04	3.90e-04
4618	176	13.79	4.62	-1.40	0.0	8.84e-04	-6.17e-04
4618	200	8.10	9.24	-1.76	0.0	5.43e-04	-4.07e-04
4618	203	-7.64	-9.53	-0.44	0.0	-3.90e-04	3.93e-04
4618	216	16.29	5.65	-1.47	0.0	1.04e-03	-7.95e-04
4618	232	9.67	10.81	-1.87	0.0	6.37e-04	-4.84e-04
4618	235	-9.21	-11.10	-0.33	0.0	-4.84e-04	4.69e-04
4619	4	0.51	0.51	-2.05	0.0	1.52e-04	-2.32e-05
4619	44	0.25	-1.69	-1.63	0.0	1.28e-05	0.0
4619	68	0.36	0.33	-1.44	0.0	1.07e-04	-1.69e-05
4619	88	0.19	-1.13	-1.16	0.0	1.46e-05	-1.98e-06
4619	98	0.28	-0.18	-1.17	0.0	7.58e-05	-1.31e-05
4619	105	0.24	-0.36	-1.10	0.0	6.01e-05	-1.06e-05

4619	107	0.27	-0.17	-1.11	0.0	7.32e-05	-1.29e-05
4619	112	12.56	4.23	-1.40	0.0	7.04e-04	-5.95e-04
4619	136	7.23	8.50	-1.72	0.0	4.23e-04	-3.87e-04
4619	139	-6.69	-8.85	-0.51	0.0	-2.77e-04	3.61e-04
4619	144	14.13	4.79	-1.43	0.0	7.84e-04	-6.69e-04
4619	168	8.14	9.59	-1.79	0.0	4.69e-04	-4.35e-04
4619	171	-7.61	-9.94	-0.43	0.0	-3.23e-04	4.09e-04
4619	176	14.23	4.72	-1.42	0.0	7.88e-04	-6.61e-04
4619	200	8.37	9.50	-1.78	0.0	4.81e-04	-4.38e-04
4619	203	-7.84	-9.85	-0.44	0.0	-3.34e-04	4.12e-04
4619	216	16.81	5.78	-1.49	0.0	9.14e-04	-8.44e-04
4619	232	9.99	11.12	-1.89	0.0	5.62e-04	-5.19e-04
4619	235	-9.45	-11.47	-0.33	0.0	-4.16e-04	4.93e-04
4620	4	0.58	0.49	-2.07	0.0	1.25e-04	-3.21e-05
4620	44	0.27	-1.78	-1.65	0.0	7.08e-05	-2.03e-06
4620	68	0.41	0.32	-1.45	0.0	8.92e-05	-2.34e-05
4620	88	0.20	-1.20	-1.17	0.0	5.28e-05	-3.33e-06
4620	98	0.32	-0.21	-1.18	0.0	7.11e-05	-1.79e-05
4620	105	0.28	-0.40	-1.11	0.0	6.41e-05	-1.46e-05
4620	107	0.30	-0.20	-1.12	0.0	6.86e-05	-1.77e-05
4620	112	12.90	4.32	-1.41	0.0	5.92e-04	-6.37e-04
4620	136	7.43	8.73	-1.74	0.0	3.53e-04	-4.15e-04
4620	139	-6.82	-9.13	-0.51	0.0	-2.16e-04	3.79e-04
4620	144	14.51	4.89	-1.45	0.0	6.58e-04	-7.16e-04
4620	168	8.37	9.85	-1.81	0.0	3.91e-04	-4.66e-04
4620	171	-7.76	-10.26	-0.43	0.0	-2.54e-04	4.31e-04
4620	176	14.61	4.83	-1.44	0.0	6.60e-04	-7.07e-04
4620	200	8.60	9.76	-1.80	0.0	3.99e-04	-4.70e-04
4620	203	-7.99	-10.16	-0.44	0.0	-2.62e-04	4.34e-04
4620	216	17.25	5.91	-1.50	0.0	7.42e-04	-8.99e-04
4620	232	10.26	11.43	-1.92	0.0	4.65e-04	-5.56e-04
4620	235	-9.65	-11.83	-0.33	0.0	-3.28e-04	5.21e-04
4621	4	0.64	0.47	-2.09	0.0	9.67e-05	-3.63e-05
4621	44	0.33	-1.87	-1.67	0.0	1.37e-04	-4.80e-06
4621	68	0.45	0.30	-1.47	0.0	6.95e-05	-2.64e-05
4621	88	0.24	-1.26	-1.19	0.0	9.60e-05	-5.39e-06
4621	98	0.35	-0.24	-1.19	0.0	6.63e-05	-2.05e-05
4621	105	0.31	-0.43	-1.12	0.0	6.90e-05	-1.70e-05
4621	107	0.34	-0.23	-1.13	0.0	6.38e-05	-2.02e-05
4621	112	13.18	4.41	-1.42	0.0	4.73e-04	-6.66e-04
4621	136	7.59	8.96	-1.75	0.0	2.81e-04	-4.34e-04
4621	139	-6.92	-9.41	-0.51	0.0	-1.53e-04	3.93e-04
4621	144	14.81	4.99	-1.46	0.0	5.25e-04	-7.47e-04
4621	168	8.55	10.11	-1.83	0.0	3.09e-04	-4.87e-04
4621	171	-7.87	-10.57	-0.44	0.0	-1.81e-04	4.47e-04
4621	176	14.92	4.93	-1.45	0.0	5.26e-04	-7.39e-04
4621	200	8.79	10.02	-1.82	0.0	3.15e-04	-4.91e-04
4621	203	-8.11	-10.47	-0.45	0.0	-1.87e-04	4.51e-04
4621	216	17.58	6.04	-1.52	0.0	5.62e-04	-9.38e-04
4621	232	10.47	11.73	-1.93	0.0	3.64e-04	-5.81e-04
4621	235	-9.79	-12.19	-0.33	0.0	-2.36e-04	5.41e-04
4622	4	0.71	0.45	-2.72	0.0	6.77e-05	1.43e-05
4622	44	0.49	-1.95	-2.09	0.0	1.58e-04	-1.99e-04
4622	68	0.50	0.28	-1.92	0.0	4.89e-05	7.02e-06
4622	88	0.35	-1.32	-1.50	0.0	1.09e-04	-1.35e-04
4622	98	0.41	-0.27	-1.55	0.0	5.46e-05	-2.42e-05
4622	105	0.38	-0.46	-1.46	0.0	6.26e-05	-4.57e-05
4622	107	0.40	-0.25	-1.49	0.0	5.23e-05	-2.38e-05
4622	112	14.04	4.49	-2.10	0.0	3.18e-04	-7.04e-04
4622	136	8.11	9.17	-2.80	0.0	1.96e-04	-4.43e-04
4622	139	-7.32	-9.68	-0.17	0.0	-9.12e-05	3.95e-04
4622	144	15.78	5.09	-2.18	0.0	3.52e-04	-7.91e-04
4622	168	9.12	10.35	-2.97	0.0	2.14e-04	-4.97e-04
4622	171	-8.33	-10.86	-6.29e-03	0.0	-1.10e-04	4.50e-04
4622	176	15.90	5.02	-2.16	0.0	3.52e-04	-7.82e-04
4622	200	9.38	10.25	-2.95	0.0	2.17e-04	-5.01e-04
4622	203	-8.59	-10.76	-0.03	0.0	-1.12e-04	4.53e-04
4622	216	18.83	6.16	-2.30	0.0	3.62e-04	-9.77e-04
4622	232	11.18	12.01	-3.19	0.0	2.48e-04	-5.92e-04
4622	235	-10.39	-12.52	0.22	0.0	-1.44e-04	5.45e-04
4623	4	0.73	0.42	-2.73	0.0	4.35e-05	3.78e-06
4623	44	0.57	-2.03	-2.10	0.0	1.81e-04	-1.17e-04
4623	68	0.52	0.26	-1.93	0.0	3.19e-05	0.0
4623	88	0.41	-1.37	-1.50	0.0	1.23e-04	-7.96e-05
4623	98	0.43	-0.29	-1.56	0.0	4.56e-05	-1.70e-05

4623	105	0.41	-0.49	-1.46	0.0	5.86e-05	-2.90e-05
4623	107	0.42	-0.28	-1.49	0.0	4.36e-05	-1.66e-05
4623	112	14.14	4.57	-2.10	0.0	1.58e-04	-6.44e-04
4623	136	8.17	9.37	-2.80	0.0	7.97e-06	-4.12e-04
4623	139	-7.34	-9.93	-0.18	0.0	7.92e-05	3.79e-04
4623	144	15.89	5.18	-2.18	0.0	1.73e-04	-7.24e-04
4623	168	9.19	10.58	-2.97	0.0	3.60e-06	-4.63e-04
4623	171	-8.35	-11.14	-0.01	0.0	8.36e-05	4.30e-04
4623	176	16.01	5.10	-2.17	0.0	1.72e-04	-7.14e-04
4623	200	9.45	10.48	-2.95	0.0	4.69e-06	-4.66e-04
4623	203	-8.62	-11.04	-0.03	0.0	8.25e-05	4.32e-04
4623	216	18.93	6.27	-2.31	0.0	1.42e-04	-9.06e-04
4623	232	11.26	12.28	-3.19	0.0	0.0	-5.51e-04
4623	235	-10.42	-12.84	0.21	0.0	8.79e-05	5.18e-04
4624	4	0.74	0.40	-2.75	-4.28e-04	5.21e-05	-1.40e-05
4624	44	0.67	-2.09	-2.12	-2.53e-04	1.50e-04	-1.53e-05
4624	52	0.76	-0.55	-2.62	-3.76e-04	7.67e-05	-1.55e-05
4624	68	0.53	0.25	-1.94	-3.07e-04	3.80e-05	-1.04e-05
4624	88	0.48	-1.41	-1.52	-1.90e-04	1.03e-04	-1.13e-05
4624	92	0.54	-0.39	-1.85	-2.72e-04	5.44e-05	-1.14e-05
4624	98	0.45	-0.32	-1.57	-2.50e-04	4.61e-05	-1.05e-05
4624	105	0.44	-0.51	-1.47	-2.31e-04	5.51e-05	-1.04e-05
4624	107	0.44	-0.30	-1.50	-2.42e-04	4.42e-05	-1.03e-05
4624	112	14.20	4.65	-2.12	-5.34e-04	2.01e-04	-6.19e-04
4624	136	8.21	9.58	-2.81	-8.38e-04	1.19e-04	-4.03e-04
4624	139	-7.34	-10.18	-0.19	3.54e-04	-3.06e-05	3.83e-04
4624	144	15.95	5.27	-2.19	-5.71e-04	2.21e-04	-6.96e-04
4624	168	9.23	10.82	-2.98	-9.12e-04	1.29e-04	-4.54e-04
4624	171	-8.36	-11.42	-0.02	4.28e-04	-4.01e-05	4.33e-04
4624	176	16.07	5.20	-2.18	-5.65e-04	2.19e-04	-6.86e-04
4624	200	9.49	10.71	-2.96	-9.05e-04	1.29e-04	-4.56e-04
4624	203	-8.62	-11.31	-0.04	4.20e-04	-4.04e-05	4.35e-04
4624	216	18.97	6.38	-2.32	-6.34e-04	1.90e-04	-8.86e-04
4624	232	11.30	12.55	-3.20	-1.01e-03	1.44e-04	-5.41e-04
4624	235	-10.43	-13.16	0.20	5.31e-04	-5.60e-05	5.20e-04
4625	4	0.70	0.45	-2.43	0.0	6.69e-05	-1.95e-05
4625	44	0.42	-1.95	-1.90	0.0	1.92e-04	-7.82e-05
4625	68	0.49	0.28	-1.71	0.0	4.88e-05	-1.54e-05
4625	88	0.31	-1.32	-1.35	0.0	1.32e-04	-5.46e-05
4625	98	0.40	-0.27	-1.38	0.0	5.93e-05	-2.31e-05
4625	105	0.36	-0.46	-1.30	0.0	7.08e-05	-2.87e-05
4625	107	0.38	-0.25	-1.32	0.0	5.70e-05	-2.26e-05
4625	112	13.70	4.49	-1.76	0.0	3.56e-04	-7.01e-04
4625	136	7.90	9.17	-2.27	0.0	2.15e-04	-4.49e-04
4625	139	-7.14	-9.68	-0.37	0.0	-1.01e-04	4.03e-04
4625	144	15.39	5.09	-1.82	0.0	3.94e-04	-7.87e-04
4625	168	8.89	10.35	-2.39	0.0	2.36e-04	-5.04e-04
4625	171	-8.13	-10.86	-0.25	0.0	-1.22e-04	4.59e-04
4625	176	15.51	5.02	-1.81	0.0	3.94e-04	-7.78e-04
4625	200	9.14	10.25	-2.37	0.0	2.39e-04	-5.08e-04
4625	203	-8.38	-10.76	-0.27	0.0	-1.25e-04	4.63e-04
4625	216	18.31	6.16	-1.91	0.0	3.98e-04	-9.80e-04
4625	232	10.89	12.01	-2.55	0.0	2.73e-04	-6.01e-04
4625	235	-10.13	-12.52	-0.09	0.0	-1.60e-04	5.56e-04
4626	4	0.72	0.42	-2.44	0.0	4.42e-05	-1.67e-05
4626	44	0.54	-2.02	-1.91	0.0	2.28e-04	-5.10e-05
4626	68	0.51	0.26	-1.72	0.0	3.31e-05	-1.29e-05
4626	88	0.39	-1.37	-1.37	0.0	1.56e-04	-3.58e-05
4626	98	0.42	-0.29	-1.39	0.0	5.33e-05	-1.74e-05
4626	105	0.39	-0.49	-1.30	0.0	7.10e-05	-2.06e-05
4626	107	0.41	-0.28	-1.33	0.0	5.11e-05	-1.71e-05
4626	112	13.83	4.57	-1.77	0.0	2.09e-04	-6.59e-04
4626	136	7.98	9.37	-2.28	0.0	1.48e-05	-4.26e-04
4626	139	-7.17	-9.93	-0.38	0.0	8.75e-05	3.92e-04
4626	144	15.54	5.18	-1.83	0.0	2.29e-04	-7.41e-04
4626	168	8.98	10.58	-2.40	0.0	1.04e-05	-4.79e-04
4626	171	-8.17	-11.14	-0.26	0.0	9.19e-05	4.45e-04
4626	176	15.66	5.10	-1.81	0.0	2.28e-04	-7.31e-04
4626	200	9.23	10.48	-2.38	0.0	1.19e-05	-4.82e-04
4626	203	-8.42	-11.04	-0.27	0.0	9.04e-05	4.48e-04
4626	216	18.45	6.27	-1.91	0.0	1.92e-04	-9.31e-04
4626	232	11.00	12.28	-2.56	0.0	6.75e-06	-5.71e-04
4626	235	-10.18	-12.84	-0.10	0.0	9.55e-05	5.36e-04
4627	4	0.74	0.40	-2.47	-4.38e-04	5.21e-05	-1.38e-05
4627	44	0.66	-2.09	-1.94	-2.69e-04	1.50e-04	-1.51e-05

4627	52	0.75	-0.55	-2.37	-3.89e-04	7.67e-05	-1.53e-05
4627	68	0.52	0.25	-1.74	-3.13e-04	3.80e-05	-1.03e-05
4627	88	0.47	-1.41	-1.39	-2.01e-04	1.03e-04	-1.11e-05
4627	92	0.53	-0.39	-1.67	-2.80e-04	5.44e-05	-1.13e-05
4627	98	0.45	-0.32	-1.40	-2.53e-04	4.61e-05	-1.04e-05
4627	105	0.43	-0.52	-1.32	-2.34e-04	5.51e-05	-1.03e-05
4627	107	0.43	-0.30	-1.34	-2.45e-04	4.42e-05	-1.02e-05
4627	112	13.92	4.65	-1.78	-5.11e-04	2.01e-04	-6.19e-04
4627	136	8.04	9.58	-2.29	-7.99e-04	1.19e-04	-4.03e-04
4627	139	-7.18	-10.18	-0.39	3.09e-04	-3.06e-05	3.83e-04
4627	144	15.64	5.27	-1.84	-5.44e-04	2.21e-04	-6.96e-04
4627	168	9.04	10.82	-2.41	-8.68e-04	1.29e-04	-4.54e-04
4627	171	-8.18	-11.42	-0.27	3.79e-04	-4.01e-05	4.33e-04
4627	176	15.76	5.19	-1.83	-5.38e-04	2.19e-04	-6.85e-04
4627	200	9.29	10.71	-2.40	-8.61e-04	1.29e-04	-4.56e-04
4627	203	-8.43	-11.31	-0.28	3.71e-04	-4.04e-05	4.35e-04
4627	216	18.52	6.38	-1.93	-6.00e-04	1.90e-04	-8.86e-04
4627	232	11.06	12.55	-2.57	-9.63e-04	1.44e-04	-5.40e-04
4627	235	-10.20	-13.16	-0.11	4.73e-04	-5.60e-05	5.20e-04
4628	4	0.68	0.44	-2.10	0.0	7.19e-05	-3.35e-05
4628	44	0.41	-1.95	-1.68	0.0	1.93e-04	-7.74e-06
4628	68	0.48	0.28	-1.48	0.0	5.25e-05	-2.43e-05
4628	88	0.30	-1.32	-1.20	0.0	1.33e-04	-7.20e-06
4628	98	0.38	-0.27	-1.20	0.0	6.21e-05	-1.94e-05
4628	105	0.35	-0.46	-1.13	0.0	7.32e-05	-1.65e-05
4628	107	0.37	-0.25	-1.14	0.0	5.98e-05	-1.91e-05
4628	112	13.38	4.49	-1.43	0.0	3.68e-04	-6.70e-04
4628	136	7.71	9.17	-1.77	0.0	2.19e-04	-4.37e-04
4628	139	-6.98	-9.68	-0.52	0.0	-9.92e-05	3.98e-04
4628	144	15.04	5.09	-1.47	0.0	4.07e-04	-7.53e-04
4628	168	8.68	10.35	-1.84	0.0	2.39e-04	-4.91e-04
4628	171	-7.94	-10.86	-0.44	0.0	-1.20e-04	4.52e-04
4628	176	15.15	5.02	-1.46	0.0	4.07e-04	-7.44e-04
4628	200	8.92	10.25	-1.83	0.0	2.42e-04	-4.94e-04
4628	203	-8.18	-10.76	-0.45	0.0	-1.23e-04	4.56e-04
4628	216	17.82	6.16	-1.53	0.0	4.04e-04	-9.48e-04
4628	232	10.63	12.01	-1.95	0.0	2.77e-04	-5.85e-04
4628	235	-9.89	-12.52	-0.33	0.0	-1.58e-04	5.47e-04
4629	4	0.71	0.42	-2.13	0.0	5.39e-05	-2.54e-05
4629	44	0.52	-2.02	-1.70	0.0	2.32e-04	-1.12e-05
4629	68	0.50	0.26	-1.49	0.0	4.02e-05	-1.86e-05
4629	88	0.38	-1.37	-1.21	0.0	1.59e-04	-9.12e-06
4629	98	0.41	-0.29	-1.21	0.0	5.89e-05	-1.58e-05
4629	105	0.39	-0.49	-1.14	0.0	7.59e-05	-1.41e-05
4629	107	0.40	-0.28	-1.15	0.0	5.66e-05	-1.55e-05
4629	112	13.53	4.57	-1.45	0.0	2.44e-04	-6.52e-04
4629	136	7.80	9.37	-1.78	0.0	2.49e-05	-4.24e-04
4629	139	-7.01	-9.93	-0.52	0.0	8.84e-05	3.93e-04
4629	144	15.20	5.18	-1.48	0.0	2.67e-04	-7.32e-04
4629	168	8.78	10.58	-1.86	0.0	2.10e-05	-4.77e-04
4629	171	-7.98	-11.14	-0.45	0.0	9.22e-05	4.46e-04
4629	176	15.32	5.10	-1.48	0.0	2.67e-04	-7.22e-04
4629	200	9.02	10.48	-1.85	0.0	2.25e-05	-4.80e-04
4629	203	-8.22	-11.04	-0.46	0.0	9.08e-05	4.49e-04
4629	208	18.00	6.00	-1.53	0.0	3.04e-04	-8.42e-04
4629	232	10.74	12.28	-1.97	0.0	1.81e-05	-5.69e-04
4629	235	-9.94	-12.84	-0.34	0.0	9.51e-05	5.38e-04
4630	4	0.73	0.40	-2.16	-4.03e-04	5.21e-05	-1.34e-05
4630	44	0.65	-2.09	-1.74	-2.51e-04	1.50e-04	-1.47e-05
4630	52	0.74	-0.55	-2.10	-3.59e-04	7.67e-05	-1.49e-05
4630	68	0.52	0.25	-1.52	-2.88e-04	3.80e-05	-1.00e-05
4630	88	0.47	-1.41	-1.24	-1.87e-04	1.03e-04	-1.08e-05
4630	92	0.52	-0.39	-1.48	-2.58e-04	5.44e-05	-1.10e-05
4630	98	0.44	-0.32	-1.23	-2.31e-04	4.61e-05	-1.01e-05
4630	105	0.42	-0.52	-1.16	-2.14e-04	5.51e-05	-1.00e-05
4630	107	0.42	-0.30	-1.17	-2.24e-04	4.42e-05	-9.95e-06
4630	112	13.65	4.64	-1.47	-4.52e-04	2.01e-04	-6.19e-04
4630	136	7.87	9.57	-1.80	-7.07e-04	1.19e-04	-4.03e-04
4630	139	-7.02	-10.18	-0.54	2.60e-04	-3.06e-05	3.83e-04
4630	144	15.33	5.27	-1.50	-4.81e-04	2.21e-04	-6.96e-04
4630	168	8.85	10.81	-1.88	-7.67e-04	1.29e-04	-4.53e-04
4630	171	-8.00	-11.42	-0.46	3.20e-04	-4.01e-05	4.34e-04
4630	176	15.44	5.19	-1.50	-4.75e-04	2.19e-04	-6.85e-04
4630	200	9.09	10.71	-1.87	-7.60e-04	1.29e-04	-4.55e-04
4630	203	-8.24	-11.31	-0.47	3.13e-04	-4.04e-05	4.36e-04

4630	208	18.15	6.10	-1.55	-5.16e-04	2.50e-04	-7.98e-04
4630	232	10.82	12.55	-1.99	-8.50e-04	1.44e-04	-5.40e-04
4630	235	-9.97	-13.16	-0.36	4.02e-04	-5.60e-05	5.20e-04
4631	4	0.41	0.53	-1.78	0.0	1.56e-04	-1.72e-05
4631	44	0.27	-1.59	-1.44	0.0	-1.20e-05	1.44e-05
4631	68	0.29	0.35	-1.24	0.0	1.10e-04	-1.22e-05
4631	88	0.20	-1.07	-1.02	0.0	-2.21e-06	8.83e-06
4631	98	0.23	-0.16	-1.01	0.0	7.41e-05	-7.20e-06
4631	105	0.21	-0.33	-0.95	0.0	5.54e-05	-3.79e-06
4631	107	0.22	-0.15	-0.96	0.0	7.16e-05	-7.07e-06
4631	112	11.94	4.14	-1.13	0.0	7.61e-04	-5.63e-04
4631	136	6.85	8.26	-1.33	0.0	4.61e-04	-3.66e-04
4631	139	-6.41	-8.56	-0.60	0.0	-3.17e-04	3.51e-04
4631	144	13.43	4.68	-1.16	0.0	8.48e-04	-6.34e-04
4631	168	7.72	9.32	-1.37	0.0	5.12e-04	-4.12e-04
4631	171	-7.28	-9.62	-0.55	0.0	-3.68e-04	3.98e-04
4631	176	13.53	4.62	-1.15	0.0	8.52e-04	-6.26e-04
4631	200	7.94	9.23	-1.37	0.0	5.24e-04	-4.15e-04
4631	203	-7.49	-9.53	-0.56	0.0	-3.81e-04	4.01e-04
4631	208	15.92	5.41	-1.18	0.0	9.92e-04	-7.31e-04
4631	232	9.47	10.81	-1.44	0.0	6.14e-04	-4.93e-04
4631	235	-9.03	-11.10	-0.49	0.0	-4.71e-04	4.79e-04
4632	4	0.49	0.51	-1.81	0.0	1.41e-04	-3.01e-05
4632	44	0.27	-1.69	-1.47	0.0	2.20e-05	2.91e-05
4632	68	0.34	0.33	-1.27	0.0	9.99e-05	-2.13e-05
4632	88	0.20	-1.13	-1.04	0.0	2.02e-05	1.81e-05
4632	98	0.27	-0.18	-1.03	0.0	7.17e-05	-1.18e-05
4632	105	0.24	-0.36	-0.97	0.0	5.81e-05	-5.55e-06
4632	107	0.26	-0.17	-0.98	0.0	6.92e-05	-1.16e-05
4632	112	12.32	4.23	-1.15	0.0	6.81e-04	-5.98e-04
4632	136	7.08	8.50	-1.35	0.0	4.10e-04	-3.91e-04
4632	139	-6.56	-8.85	-0.60	0.0	-2.72e-04	3.68e-04
4632	144	13.85	4.79	-1.18	0.0	7.58e-04	-6.72e-04
4632	168	7.98	9.59	-1.40	0.0	4.54e-04	-4.41e-04
4632	171	-7.46	-9.94	-0.56	0.0	-3.16e-04	4.17e-04
4632	176	13.96	4.72	-1.17	0.0	7.61e-04	-6.64e-04
4632	200	8.20	9.50	-1.40	0.0	4.65e-04	-4.44e-04
4632	203	-7.68	-9.85	-0.56	0.0	-3.27e-04	4.21e-04
4632	216	16.42	5.78	-1.21	0.0	8.81e-04	-8.56e-04
4632	232	9.78	11.12	-1.46	0.0	5.44e-04	-5.27e-04
4632	235	-9.26	-11.47	-0.49	0.0	-4.05e-04	5.03e-04
4633	4	0.56	0.49	-1.83	0.0	1.20e-04	-3.85e-05
4633	44	0.29	-1.78	-1.49	0.0	7.31e-05	3.67e-05
4633	68	0.39	0.31	-1.28	0.0	8.55e-05	-2.73e-05
4633	88	0.21	-1.20	-1.06	0.0	5.40e-05	2.29e-05
4633	98	0.31	-0.21	-1.04	0.0	6.87e-05	-1.51e-05
4633	105	0.27	-0.40	-0.98	0.0	6.25e-05	-7.19e-06
4633	107	0.30	-0.20	-0.99	0.0	6.63e-05	-1.49e-05
4633	112	12.65	4.32	-1.17	0.0	5.75e-04	-6.25e-04
4633	136	7.28	8.73	-1.38	0.0	3.44e-04	-4.11e-04
4633	139	-6.69	-9.13	-0.61	0.0	-2.11e-04	3.82e-04
4633	144	14.22	4.89	-1.19	0.0	6.40e-04	-7.02e-04
4633	168	8.20	9.85	-1.42	0.0	3.80e-04	-4.63e-04
4633	171	-7.61	-10.26	-0.56	0.0	-2.47e-04	4.33e-04
4633	176	14.32	4.83	-1.19	0.0	6.41e-04	-6.93e-04
4633	200	8.42	9.76	-1.42	0.0	3.88e-04	-4.66e-04
4633	203	-7.83	-10.16	-0.56	0.0	-2.55e-04	4.36e-04
4633	208	16.85	5.66	-1.22	0.0	7.44e-04	-8.08e-04
4633	232	10.04	11.43	-1.49	0.0	4.51e-04	-5.53e-04
4633	235	-9.45	-11.83	-0.49	0.0	-3.19e-04	5.23e-04
4634	4	0.62	0.47	-1.85	0.0	9.78e-05	-4.07e-05
4634	44	0.34	-1.87	-1.51	0.0	1.31e-04	3.49e-05
4634	68	0.43	0.30	-1.30	0.0	7.02e-05	-2.90e-05
4634	88	0.25	-1.26	-1.07	0.0	9.21e-05	2.15e-05
4634	98	0.34	-0.24	-1.05	0.0	6.59e-05	-1.66e-05
4634	105	0.31	-0.43	-0.99	0.0	6.80e-05	-8.61e-06
4634	107	0.33	-0.23	-1.00	0.0	6.35e-05	-1.64e-05
4634	112	12.91	4.41	-1.19	0.0	4.65e-04	-6.42e-04
4634	136	7.44	8.96	-1.39	0.0	2.75e-04	-4.23e-04
4634	139	-6.78	-9.41	-0.61	0.0	-1.48e-04	3.91e-04
4634	144	14.52	4.99	-1.21	0.0	5.16e-04	-7.21e-04
4634	168	8.37	10.11	-1.44	0.0	3.03e-04	-4.76e-04
4634	171	-7.71	-10.57	-0.56	0.0	-1.76e-04	4.43e-04
4634	176	14.62	4.93	-1.20	0.0	5.17e-04	-7.12e-04
4634	200	8.60	10.01	-1.44	0.0	3.08e-04	-4.79e-04

4634	203	-7.94	-10.47	-0.57	0.0	-1.81e-04	4.47e-04
4634	208	17.20	5.78	-1.24	0.0	5.98e-04	-8.30e-04
4634	232	10.25	11.73	-1.51	0.0	3.56e-04	-5.68e-04
4634	235	-9.59	-12.19	-0.49	0.0	-2.29e-04	5.35e-04
4635	4	0.40	0.53	-1.63	0.0	1.43e-04	-1.75e-05
4635	44	0.28	-1.59	-1.35	0.0	8.55e-06	2.08e-05
4635	68	0.28	0.35	-1.14	0.0	1.01e-04	-1.23e-05
4635	88	0.20	-1.07	-0.95	0.0	1.11e-05	1.33e-05
4635	98	0.23	-0.16	-0.92	0.0	7.01e-05	-6.29e-06
4635	105	0.21	-0.33	-0.87	0.0	5.49e-05	-2.17e-06
4635	107	0.22	-0.15	-0.88	0.0	6.75e-05	-6.15e-06
4635	112	11.71	4.14	-0.98	0.0	7.37e-04	-5.63e-04
4635	136	6.72	8.26	-1.09	0.0	4.47e-04	-3.66e-04
4635	139	-6.28	-8.56	-0.67	0.0	-3.12e-04	3.54e-04
4635	144	13.17	4.68	-0.99	0.0	8.22e-04	-6.33e-04
4635	168	7.57	9.32	-1.12	0.0	4.97e-04	-4.13e-04
4635	171	-7.13	-9.62	-0.64	0.0	-3.62e-04	4.00e-04
4635	176	13.27	4.62	-0.99	0.0	8.25e-04	-6.26e-04
4635	200	7.78	9.23	-1.11	0.0	5.08e-04	-4.16e-04
4635	203	-7.34	-9.53	-0.65	0.0	-3.73e-04	4.04e-04
4635	208	15.62	5.41	-1.01	0.0	9.61e-04	-7.31e-04
4635	232	9.28	10.80	-1.15	0.0	5.95e-04	-4.94e-04
4635	235	-8.84	-11.10	-0.61	0.0	-4.60e-04	4.82e-04
4636	4	0.47	0.51	-1.65	0.0	1.32e-04	-3.01e-05
4636	44	0.29	-1.69	-1.37	0.0	3.65e-05	4.09e-05
4636	68	0.33	0.33	-1.16	0.0	9.29e-05	-2.11e-05
4636	88	0.21	-1.13	-0.97	0.0	2.96e-05	2.62e-05
4636	98	0.27	-0.18	-0.94	0.0	6.87e-05	-9.84e-06
4636	105	0.24	-0.36	-0.89	0.0	5.75e-05	-2.36e-06
4636	107	0.25	-0.17	-0.90	0.0	6.61e-05	-9.67e-06
4636	112	12.08	4.23	-1.00	0.0	6.63e-04	-5.93e-04
4636	136	6.94	8.50	-1.11	0.0	4.00e-04	-3.90e-04
4636	139	-6.43	-8.85	-0.68	0.0	-2.68e-04	3.71e-04
4636	144	13.59	4.78	-1.01	0.0	7.39e-04	-6.67e-04
4636	168	7.82	9.59	-1.14	0.0	4.43e-04	-4.39e-04
4636	171	-7.31	-9.94	-0.65	0.0	-3.11e-04	4.20e-04
4636	176	13.68	4.72	-1.01	0.0	7.41e-04	-6.59e-04
4636	200	8.03	9.50	-1.14	0.0	4.53e-04	-4.43e-04
4636	203	-7.52	-9.85	-0.65	0.0	-3.21e-04	4.23e-04
4636	208	16.10	5.54	-1.03	0.0	8.62e-04	-7.69e-04
4636	232	9.58	11.12	-1.18	0.0	5.30e-04	-5.26e-04
4636	235	-9.07	-11.47	-0.61	0.0	-3.97e-04	5.06e-04
4637	4	0.54	0.49	-1.68	0.0	1.16e-04	-3.76e-05
4637	44	0.32	-1.78	-1.39	0.0	7.75e-05	5.17e-05
4637	68	0.38	0.31	-1.17	0.0	8.24e-05	-2.64e-05
4637	88	0.23	-1.20	-0.99	0.0	5.68e-05	3.32e-05
4637	98	0.30	-0.21	-0.95	0.0	6.70e-05	-1.22e-05
4637	105	0.27	-0.40	-0.90	0.0	6.17e-05	-2.84e-06
4637	107	0.29	-0.20	-0.91	0.0	6.46e-05	-1.20e-05
4637	112	12.40	4.32	-1.01	0.0	5.65e-04	-6.14e-04
4637	136	7.14	8.73	-1.13	0.0	3.37e-04	-4.07e-04
4637	139	-6.56	-9.13	-0.68	0.0	-2.08e-04	3.83e-04
4637	144	13.94	4.89	-1.03	0.0	6.28e-04	-6.91e-04
4637	168	8.03	9.85	-1.16	0.0	3.73e-04	-4.58e-04
4637	171	-7.46	-10.25	-0.66	0.0	-2.44e-04	4.34e-04
4637	176	14.04	4.83	-1.02	0.0	6.30e-04	-6.82e-04
4637	200	8.25	9.76	-1.16	0.0	3.80e-04	-4.61e-04
4637	203	-7.67	-10.16	-0.66	0.0	-2.51e-04	4.37e-04
4637	208	16.52	5.66	-1.04	0.0	7.30e-04	-7.95e-04
4637	232	9.83	11.43	-1.20	0.0	4.43e-04	-5.47e-04
4637	235	-9.26	-11.83	-0.62	0.0	-3.13e-04	5.23e-04
4638	4	0.60	0.47	-1.70	0.0	9.95e-05	-3.90e-05
4638	44	0.37	-1.87	-1.41	0.0	1.23e-04	5.02e-05
4638	68	0.42	0.30	-1.19	0.0	7.13e-05	-2.74e-05
4638	88	0.27	-1.26	-1.00	0.0	8.71e-05	3.20e-05
4638	98	0.34	-0.24	-0.96	0.0	6.56e-05	-1.33e-05
4638	105	0.30	-0.43	-0.91	0.0	6.67e-05	-3.89e-06
4638	107	0.32	-0.23	-0.92	0.0	6.32e-05	-1.30e-05
4638	112	12.67	4.41	-1.03	0.0	4.62e-04	-6.27e-04
4638	136	7.29	8.96	-1.15	0.0	2.72e-04	-4.16e-04
4638	139	-6.65	-9.41	-0.69	0.0	-1.46e-04	3.90e-04
4638	144	14.24	4.99	-1.04	0.0	5.12e-04	-7.04e-04
4638	168	8.21	10.11	-1.17	0.0	3.00e-04	-4.68e-04
4638	171	-7.56	-10.57	-0.66	0.0	-1.73e-04	4.42e-04
4638	176	14.34	4.93	-1.04	0.0	5.13e-04	-6.95e-04

4638	200	8.43	10.01	-1.17	0.0	3.05e-04	-4.71e-04
4638	203	-7.78	-10.47	-0.67	0.0	-1.78e-04	4.45e-04
4638	208	16.86	5.78	-1.06	0.0	5.93e-04	-8.10e-04
4638	232	10.04	11.73	-1.21	0.0	3.52e-04	-5.59e-04
4638	235	-9.39	-12.19	-0.62	0.0	-2.26e-04	5.33e-04
4639	4	0.39	0.53	-1.56	0.0	1.31e-04	-1.56e-05
4639	44	0.29	-1.59	-1.32	0.0	3.05e-05	2.13e-05
4639	68	0.28	0.34	-1.09	0.0	9.21e-05	-1.09e-05
4639	88	0.21	-1.07	-0.93	0.0	2.54e-05	1.37e-05
4639	98	0.23	-0.16	-0.89	0.0	6.70e-05	-5.15e-06
4639	105	0.21	-0.33	-0.84	0.0	5.54e-05	-1.18e-06
4639	107	0.22	-0.15	-0.84	0.0	6.45e-05	-5.02e-06
4639	112	11.49	4.14	-0.89	0.0	7.17e-04	-5.61e-04
4639	136	6.59	8.26	-0.95	0.0	4.36e-04	-3.65e-04
4639	139	-6.15	-8.56	-0.74	0.0	-3.06e-04	3.55e-04
4639	144	12.92	4.68	-0.90	0.0	8.00e-04	-6.31e-04
4639	168	7.42	9.32	-0.96	0.0	4.84e-04	-4.12e-04
4639	171	-6.99	-9.62	-0.73	0.0	-3.55e-04	4.02e-04
4639	176	13.01	4.62	-0.90	0.0	8.02e-04	-6.24e-04
4639	200	7.62	9.23	-0.96	0.0	4.94e-04	-4.15e-04
4639	203	-7.19	-9.53	-0.73	0.0	-3.65e-04	4.05e-04
4639	208	15.32	5.41	-0.91	0.0	9.34e-04	-7.28e-04
4639	232	9.09	10.80	-0.98	0.0	5.78e-04	-4.94e-04
4639	235	-8.65	-11.10	-0.71	0.0	-4.49e-04	4.84e-04
4640	4	0.46	0.51	-1.58	0.0	1.23e-04	-2.64e-05
4640	44	0.31	-1.69	-1.34	0.0	5.18e-05	4.15e-05
4640	68	0.32	0.33	-1.11	0.0	8.69e-05	-1.84e-05
4640	88	0.22	-1.13	-0.95	0.0	3.95e-05	2.69e-05
4640	98	0.26	-0.18	-0.90	0.0	6.64e-05	-7.75e-06
4640	105	0.24	-0.36	-0.85	0.0	5.77e-05	0.0
4640	107	0.25	-0.17	-0.86	0.0	6.39e-05	-7.59e-06
4640	112	11.85	4.23	-0.91	0.0	6.48e-04	-5.88e-04
4640	136	6.81	8.50	-0.96	0.0	3.91e-04	-3.87e-04
4640	139	-6.30	-8.85	-0.75	0.0	-2.64e-04	3.72e-04
4640	144	13.33	4.78	-0.92	0.0	7.22e-04	-6.61e-04
4640	168	7.66	9.59	-0.98	0.0	4.34e-04	-4.36e-04
4640	171	-7.16	-9.94	-0.74	0.0	-3.06e-04	4.21e-04
4640	176	13.42	4.72	-0.91	0.0	7.24e-04	-6.53e-04
4640	200	7.87	9.50	-0.98	0.0	4.43e-04	-4.40e-04
4640	203	-7.37	-9.85	-0.74	0.0	-3.15e-04	4.25e-04
4640	208	15.79	5.54	-0.92	0.0	8.42e-04	-7.62e-04
4640	232	9.38	11.12	-1.00	0.0	5.17e-04	-5.23e-04
4640	235	-8.88	-11.47	-0.72	0.0	-3.89e-04	5.07e-04
4641	4	0.52	0.49	-1.61	0.0	1.12e-04	-3.28e-05
4641	44	0.34	-1.78	-1.36	0.0	8.22e-05	5.23e-05
4641	68	0.37	0.31	-1.12	0.0	7.98e-05	-2.29e-05
4641	88	0.25	-1.20	-0.96	0.0	5.97e-05	3.39e-05
4641	98	0.30	-0.21	-0.91	0.0	6.57e-05	-9.52e-06
4641	105	0.27	-0.40	-0.87	0.0	6.13e-05	0.0
4641	107	0.28	-0.20	-0.87	0.0	6.32e-05	-9.34e-06
4641	112	12.16	4.32	-0.92	0.0	5.56e-04	-6.07e-04
4641	136	6.99	8.73	-0.98	0.0	3.32e-04	-4.02e-04
4641	139	-6.43	-9.13	-0.76	0.0	-2.06e-04	3.84e-04
4641	144	13.68	4.89	-0.93	0.0	6.19e-04	-6.82e-04
4641	168	7.87	9.85	-0.99	0.0	3.67e-04	-4.53e-04
4641	171	-7.31	-10.25	-0.75	0.0	-2.41e-04	4.34e-04
4641	176	13.77	4.83	-0.93	0.0	6.20e-04	-6.73e-04
4641	200	8.08	9.76	-0.99	0.0	3.74e-04	-4.57e-04
4641	203	-7.52	-10.16	-0.75	0.0	-2.48e-04	4.38e-04
4641	208	16.20	5.66	-0.94	0.0	7.19e-04	-7.86e-04
4641	232	9.63	11.43	-1.01	0.0	4.35e-04	-5.42e-04
4641	235	-9.06	-11.83	-0.73	0.0	-3.09e-04	5.24e-04
4642	4	0.58	0.47	-1.62	0.0	1.01e-04	-3.38e-05
4642	44	0.40	-1.87	-1.38	0.0	1.16e-04	5.08e-05
4642	68	0.41	0.30	-1.14	0.0	7.24e-05	-2.36e-05
4642	88	0.29	-1.26	-0.97	0.0	8.20e-05	3.28e-05
4642	98	0.33	-0.24	-0.92	0.0	6.52e-05	-1.04e-05
4642	105	0.30	-0.43	-0.88	0.0	6.53e-05	-1.51e-06
4642	107	0.32	-0.23	-0.88	0.0	6.28e-05	-1.02e-05
4642	112	12.43	4.41	-0.93	0.0	4.59e-04	-6.18e-04
4642	136	7.15	8.96	-0.99	0.0	2.70e-04	-4.10e-04
4642	139	-6.52	-9.41	-0.77	0.0	-1.45e-04	3.90e-04
4642	144	13.97	4.99	-0.94	0.0	5.09e-04	-6.94e-04
4642	168	8.05	10.11	-1.01	0.0	2.97e-04	-4.62e-04
4642	171	-7.41	-10.57	-0.75	0.0	-1.72e-04	4.41e-04

4642	176	14.07	4.93	-0.94	0.0	5.10e-04	-6.85e-04
4642	200	8.26	10.01	-1.00	0.0	3.02e-04	-4.65e-04
4642	203	-7.63	-10.47	-0.76	0.0	-1.76e-04	4.45e-04
4642	208	16.54	5.78	-0.95	0.0	5.89e-04	-7.99e-04
4642	232	9.83	11.73	-1.03	0.0	3.49e-04	-5.52e-04
4642	235	-9.20	-12.19	-0.74	0.0	-2.23e-04	5.32e-04
4643	4	0.38	0.53	-1.56	0.0	1.21e-04	-1.29e-05
4643	44	0.30	-1.59	-1.34	0.0	5.02e-05	1.87e-05
4643	68	0.27	0.34	-1.09	0.0	8.54e-05	-8.92e-06
4643	88	0.22	-1.07	-0.95	0.0	3.83e-05	1.21e-05
4643	98	0.22	-0.16	-0.89	0.0	6.49e-05	-4.04e-06
4643	105	0.21	-0.33	-0.85	0.0	5.63e-05	0.0
4643	107	0.21	-0.15	-0.85	0.0	6.24e-05	-3.92e-06
4643	112	11.27	4.14	-0.86	0.0	6.99e-04	-5.62e-04
4643	132	6.68	8.24	-0.87	0.0	4.38e-04	-3.55e-04
4643	139	-6.03	-8.56	-0.83	0.0	-3.00e-04	3.58e-04
4643	144	12.68	4.68	-0.86	0.0	7.80e-04	-6.33e-04
4643	164	7.51	9.30	-0.87	0.0	4.86e-04	-4.00e-04
4643	171	-6.85	-9.62	-0.82	0.0	-3.47e-04	4.04e-04
4643	176	12.76	4.62	-0.86	0.0	7.82e-04	-6.25e-04
4643	196	7.60	9.19	-0.87	0.0	4.89e-04	-3.98e-04
4643	203	-7.04	-9.53	-0.82	0.0	-3.56e-04	4.08e-04
4643	208	15.02	5.41	-0.86	0.0	9.10e-04	-7.31e-04
4643	228	8.96	10.73	-0.88	0.0	5.67e-04	-4.68e-04
4643	235	-8.47	-11.10	-0.82	0.0	-4.38e-04	4.87e-04
4644	4	0.45	0.51	-1.59	0.0	1.16e-04	-2.14e-05
4644	44	0.33	-1.69	-1.37	0.0	6.54e-05	3.62e-05
4644	68	0.31	0.33	-1.11	0.0	8.20e-05	-1.48e-05
4644	88	0.24	-1.13	-0.96	0.0	4.84e-05	2.36e-05
4644	98	0.26	-0.18	-0.91	0.0	6.47e-05	-5.83e-06
4644	105	0.24	-0.36	-0.86	0.0	5.82e-05	0.0
4644	107	0.25	-0.18	-0.86	0.0	6.22e-05	-5.69e-06
4644	112	11.62	4.23	-0.87	0.0	6.36e-04	-5.85e-04
4644	132	6.90	8.48	-0.88	0.0	3.98e-04	-3.72e-04
4644	139	-6.18	-8.85	-0.84	0.0	-2.59e-04	3.73e-04
4644	144	13.07	4.78	-0.87	0.0	7.08e-04	-6.58e-04
4644	164	7.76	9.56	-0.89	0.0	4.41e-04	-4.19e-04
4644	171	-7.02	-9.94	-0.84	0.0	-3.01e-04	4.22e-04
4644	176	13.16	4.72	-0.87	0.0	7.10e-04	-6.50e-04
4644	196	7.85	9.46	-0.89	0.0	4.44e-04	-4.17e-04
4644	203	-7.21	-9.85	-0.84	0.0	-3.09e-04	4.26e-04
4644	208	15.48	5.54	-0.88	0.0	8.25e-04	-7.59e-04
4644	228	9.24	11.05	-0.89	0.0	5.13e-04	-4.90e-04
4644	235	-8.69	-11.47	-0.83	0.0	-3.81e-04	5.09e-04
4645	4	0.51	0.49	-1.61	0.0	1.09e-04	-2.64e-05
4645	44	0.37	-1.78	-1.39	0.0	8.61e-05	4.53e-05
4645	68	0.36	0.31	-1.12	0.0	7.76e-05	-1.83e-05
4645	88	0.27	-1.20	-0.98	0.0	6.22e-05	2.95e-05
4645	98	0.29	-0.21	-0.92	0.0	6.46e-05	-7.16e-06
4645	105	0.27	-0.40	-0.87	0.0	6.09e-05	0.0
4645	107	0.28	-0.20	-0.87	0.0	6.21e-05	-7.00e-06
4645	112	11.93	4.32	-0.88	0.0	5.49e-04	-6.02e-04
4645	132	7.10	8.71	-0.90	0.0	3.45e-04	-3.85e-04
4645	139	-6.30	-9.13	-0.85	0.0	-2.04e-04	3.85e-04
4645	144	13.42	4.89	-0.89	0.0	6.11e-04	-6.77e-04
4645	164	7.98	9.83	-0.90	0.0	3.81e-04	-4.34e-04
4645	171	-7.16	-10.25	-0.85	0.0	-2.38e-04	4.35e-04
4645	176	13.51	4.83	-0.89	0.0	6.12e-04	-6.69e-04
4645	196	8.07	9.72	-0.90	0.0	3.83e-04	-4.32e-04
4645	203	-7.36	-10.16	-0.85	0.0	-2.44e-04	4.39e-04
4645	208	15.88	5.66	-0.89	0.0	7.09e-04	-7.80e-04
4645	228	9.50	11.35	-0.90	0.0	4.41e-04	-5.07e-04
4645	235	-8.87	-11.83	-0.84	0.0	-3.04e-04	5.24e-04
4646	4	0.56	0.47	-1.62	0.0	1.02e-04	-2.73e-05
4646	44	0.42	-1.87	-1.40	0.0	1.09e-04	4.37e-05
4646	68	0.40	0.30	-1.14	0.0	7.30e-05	-1.90e-05
4646	88	0.30	-1.26	-0.99	0.0	7.72e-05	2.83e-05
4646	98	0.33	-0.24	-0.93	0.0	6.46e-05	-8.02e-06
4646	105	0.30	-0.43	-0.88	0.0	6.39e-05	0.0
4646	107	0.31	-0.23	-0.88	0.0	6.22e-05	-7.86e-06
4646	112	12.19	4.41	-0.89	0.0	4.56e-04	-6.13e-04
4646	132	7.26	8.94	-0.91	0.0	2.86e-04	-3.93e-04
4646	139	-6.39	-9.41	-0.86	0.0	-1.44e-04	3.91e-04
4646	144	13.70	4.99	-0.90	0.0	5.06e-04	-6.90e-04
4646	164	8.16	10.08	-0.91	0.0	3.15e-04	-4.43e-04

4646	171	-7.26	-10.57	-0.85	0.0	-1.70e-04	4.42e-04
4646	176	13.80	4.93	-0.90	0.0	5.06e-04	-6.80e-04
4646	196	8.25	9.97	-0.91	0.0	3.16e-04	-4.40e-04
4646	203	-7.47	-10.47	-0.85	0.0	-1.75e-04	4.46e-04
4646	208	16.22	5.78	-0.90	0.0	5.84e-04	-7.94e-04
4646	228	9.70	11.65	-0.91	0.0	3.62e-04	-5.17e-04
4646	235	-9.01	-12.19	-0.85	0.0	-2.21e-04	5.32e-04
4647	28	0.37	-1.09	-1.64	0.0	8.81e-05	6.67e-06
4647	44	0.31	-1.59	-1.42	0.0	6.55e-05	1.51e-05
4647	52	0.38	-0.27	-1.63	0.0	1.05e-04	-5.18e-06
4647	80	0.26	-0.73	-1.14	0.0	6.34e-05	4.23e-06
4647	88	0.22	-1.07	-1.00	0.0	4.83e-05	9.85e-06
4647	92	0.27	-0.19	-1.14	0.0	7.49e-05	-3.67e-06
4647	98	0.22	-0.16	-0.93	0.0	6.36e-05	-3.06e-06
4647	105	0.21	-0.33	-0.89	0.0	5.73e-05	0.0
4647	107	0.21	-0.15	-0.89	0.0	6.11e-05	-2.94e-06
4647	112	11.05	4.14	-0.88	0.0	6.84e-04	-5.70e-04
4647	139	-5.90	-8.56	-0.94	0.0	-2.93e-04	3.63e-04
4647	144	12.43	4.68	-0.88	0.0	7.63e-04	-6.41e-04
4647	171	-6.70	-9.62	-0.94	0.0	-3.39e-04	4.10e-04
4647	176	12.51	4.62	-0.88	0.0	7.64e-04	-6.34e-04
4647	203	-6.88	-9.53	-0.94	0.0	-3.47e-04	4.14e-04
4647	208	14.72	5.41	-0.88	0.0	8.89e-04	-7.42e-04
4647	235	-8.28	-11.10	-0.95	0.0	-4.26e-04	4.95e-04
4648	4	0.44	0.51	-1.66	0.0	1.11e-04	-1.62e-05
4648	28	0.41	-1.16	-1.67	0.0	9.43e-05	1.40e-05
4648	44	0.35	-1.69	-1.46	0.0	7.59e-05	2.86e-05
4648	68	0.31	0.33	-1.16	0.0	7.84e-05	-1.11e-05
4648	80	0.29	-0.79	-1.17	0.0	6.75e-05	9.02e-06
4648	88	0.25	-1.13	-1.02	0.0	5.53e-05	1.87e-05
4648	98	0.26	-0.18	-0.95	0.0	6.35e-05	-4.18e-06
4648	105	0.24	-0.36	-0.91	0.0	5.86e-05	0.0
4648	107	0.24	-0.18	-0.91	0.0	6.11e-05	-4.03e-06
4648	112	11.40	4.23	-0.90	0.0	6.26e-04	-5.85e-04
4648	139	-6.05	-8.85	-0.96	0.0	-2.56e-04	3.75e-04
4648	144	12.82	4.78	-0.90	0.0	6.98e-04	-6.58e-04
4648	171	-6.87	-9.94	-0.96	0.0	-2.97e-04	4.25e-04
4648	176	12.90	4.72	-0.90	0.0	6.99e-04	-6.50e-04
4648	203	-7.06	-9.85	-0.96	0.0	-3.04e-04	4.28e-04
4648	208	15.17	5.54	-0.90	0.0	8.12e-04	-7.60e-04
4648	235	-8.50	-11.47	-0.97	0.0	-3.75e-04	5.11e-04
4649	4	0.49	0.49	-1.69	0.0	1.07e-04	-1.99e-05
4649	28	0.46	-1.24	-1.69	0.0	1.02e-04	1.75e-05
4649	44	0.39	-1.78	-1.48	0.0	8.89e-05	3.53e-05
4649	68	0.35	0.31	-1.18	0.0	7.59e-05	-1.37e-05
4649	80	0.33	-0.84	-1.18	0.0	7.27e-05	1.12e-05
4649	88	0.28	-1.20	-1.04	0.0	6.39e-05	2.31e-05
4649	98	0.29	-0.21	-0.97	0.0	6.37e-05	-5.14e-06
4649	105	0.27	-0.40	-0.92	0.0	6.05e-05	0.0
4649	107	0.28	-0.20	-0.92	0.0	6.12e-05	-4.98e-06
4649	112	11.70	4.32	-0.91	0.0	5.43e-04	-6.01e-04
4649	139	-6.17	-9.13	-0.97	0.0	-2.02e-04	3.87e-04
4649	144	13.16	4.89	-0.91	0.0	6.04e-04	-6.76e-04
4649	171	-7.01	-10.26	-0.97	0.0	-2.36e-04	4.37e-04
4649	176	13.24	4.83	-0.91	0.0	6.04e-04	-6.68e-04
4649	203	-7.20	-10.16	-0.97	0.0	-2.42e-04	4.41e-04
4649	208	15.57	5.66	-0.91	0.0	7.01e-04	-7.80e-04
4649	235	-8.68	-11.83	-0.98	0.0	-3.00e-04	5.27e-04
4650	4	0.55	0.47	-1.70	0.0	1.03e-04	-2.08e-05
4650	28	0.52	-1.32	-1.71	0.0	1.10e-04	1.60e-05
4650	44	0.44	-1.87	-1.49	0.0	1.03e-04	3.36e-05
4650	68	0.39	0.30	-1.19	0.0	7.34e-05	-1.44e-05
4650	80	0.37	-0.89	-1.19	0.0	7.83e-05	1.01e-05
4650	88	0.32	-1.26	-1.05	0.0	7.31e-05	2.19e-05
4650	98	0.32	-0.24	-0.97	0.0	6.38e-05	-6.00e-06
4650	105	0.30	-0.43	-0.93	0.0	6.25e-05	0.0
4650	107	0.31	-0.23	-0.93	0.0	6.14e-05	-5.85e-06
4650	112	11.96	4.41	-0.92	0.0	4.51e-04	-6.12e-04
4650	139	-6.26	-9.41	-0.98	0.0	-1.43e-04	3.93e-04
4650	144	13.44	4.99	-0.92	0.0	5.01e-04	-6.89e-04
4650	171	-7.12	-10.57	-0.98	0.0	-1.69e-04	4.44e-04
4650	176	13.53	4.93	-0.92	0.0	5.01e-04	-6.79e-04
4650	203	-7.31	-10.47	-0.98	0.0	-1.73e-04	4.48e-04
4650	208	15.90	5.78	-0.92	0.0	5.79e-04	-7.93e-04
4650	235	-8.81	-12.19	-0.99	0.0	-2.19e-04	5.35e-04

4651	4	0.66	0.44	-1.87	0.0	7.88e-05	-3.65e-05
4651	44	0.42	-1.95	-1.53	0.0	1.80e-04	2.44e-05
4651	68	0.47	0.28	-1.31	0.0	5.73e-05	-2.60e-05
4651	88	0.31	-1.32	-1.08	0.0	1.25e-04	1.45e-05
4651	98	0.38	-0.27	-1.06	0.0	6.38e-05	-1.60e-05
4651	105	0.34	-0.46	-1.00	0.0	7.29e-05	-9.54e-06
4651	107	0.36	-0.25	-1.01	0.0	6.14e-05	-1.58e-05
4651	112	13.12	4.49	-1.20	0.0	3.73e-04	-6.47e-04
4651	136	7.56	9.17	-1.41	0.0	2.19e-04	-4.25e-04
4651	139	-6.84	-9.68	-0.62	0.0	-9.58e-05	3.94e-04
4651	144	14.74	5.09	-1.22	0.0	4.12e-04	-7.27e-04
4651	168	8.50	10.35	-1.46	0.0	2.39e-04	-4.78e-04
4651	171	-7.78	-10.86	-0.57	0.0	-1.16e-04	4.47e-04
4651	176	14.85	5.02	-1.22	0.0	4.12e-04	-7.17e-04
4651	200	8.74	10.25	-1.45	0.0	2.42e-04	-4.82e-04
4651	203	-8.01	-10.76	-0.57	0.0	-1.19e-04	4.50e-04
4651	208	17.46	5.89	-1.25	0.0	4.74e-04	-8.36e-04
4651	232	10.40	12.01	-1.53	0.0	2.77e-04	-5.71e-04
4651	235	-9.68	-12.52	-0.50	0.0	-1.54e-04	5.39e-04
4652	4	0.69	0.42	-1.89	0.0	6.55e-05	-2.71e-05
4652	44	0.53	-2.02	-1.55	0.0	2.15e-04	7.45e-06
4652	68	0.49	0.26	-1.33	0.0	4.83e-05	-1.95e-05
4652	88	0.38	-1.37	-1.10	0.0	1.48e-04	3.50e-06
4652	98	0.41	-0.29	-1.07	0.0	6.23e-05	-1.38e-05
4652	105	0.38	-0.49	-1.01	0.0	7.64e-05	-1.00e-05
4652	107	0.39	-0.28	-1.02	0.0	6.00e-05	-1.36e-05
4652	112	13.27	4.57	-1.21	0.0	3.06e-04	-6.38e-04
4652	136	7.65	9.37	-1.43	0.0	1.78e-04	-4.18e-04
4652	139	-6.87	-9.93	-0.62	0.0	-5.85e-05	3.91e-04
4652	144	14.92	5.18	-1.24	0.0	3.37e-04	-7.17e-04
4652	168	8.60	10.58	-1.48	0.0	1.94e-04	-4.70e-04
4652	171	-7.82	-11.14	-0.57	0.0	-7.37e-05	4.43e-04
4652	176	15.02	5.10	-1.23	0.0	3.36e-04	-7.07e-04
4652	200	8.84	10.48	-1.47	0.0	1.95e-04	-4.73e-04
4652	203	-8.06	-11.04	-0.58	0.0	-7.52e-05	4.46e-04
4652	208	17.66	6.00	-1.26	0.0	3.84e-04	-8.24e-04
4652	232	10.52	12.28	-1.54	0.0	2.21e-04	-5.60e-04
4652	235	-9.74	-12.84	-0.51	0.0	-1.01e-04	5.33e-04
4653	4	0.72	0.40	-1.94	-3.30e-04	5.21e-05	-1.32e-05
4653	44	0.65	-2.10	-1.59	-2.00e-04	1.50e-04	-1.43e-05
4653	52	0.73	-0.56	-1.89	-2.92e-04	7.67e-05	-1.46e-05
4653	68	0.51	0.25	-1.36	-2.36e-04	3.80e-05	-9.85e-06
4653	88	0.46	-1.42	-1.13	-1.49e-04	1.03e-04	-1.06e-05
4653	92	0.52	-0.39	-1.33	-2.10e-04	5.44e-05	-1.08e-05
4653	98	0.44	-0.32	-1.10	-1.88e-04	4.61e-05	-1.00e-05
4653	105	0.42	-0.52	-1.04	-1.73e-04	5.51e-05	-9.89e-06
4653	107	0.42	-0.31	-1.05	-1.82e-04	4.42e-05	-9.83e-06
4653	112	13.40	4.64	-1.24	-3.73e-04	2.01e-04	-6.19e-04
4653	136	7.72	9.57	-1.45	-5.88e-04	1.19e-04	-4.03e-04
4653	139	-6.88	-10.18	-0.64	2.24e-04	-3.06e-05	3.83e-04
4653	144	15.06	5.26	-1.26	-3.97e-04	2.21e-04	-6.96e-04
4653	168	8.68	10.81	-1.50	-6.39e-04	1.29e-04	-4.54e-04
4653	171	-7.84	-11.42	-0.59	2.75e-04	-4.01e-05	4.34e-04
4653	176	15.17	5.19	-1.26	-3.92e-04	2.19e-04	-6.85e-04
4653	200	8.92	10.70	-1.50	-6.33e-04	1.29e-04	-4.56e-04
4653	203	-8.08	-11.31	-0.60	2.69e-04	-4.04e-05	4.36e-04
4653	208	17.82	6.10	-1.29	-4.26e-04	2.50e-04	-7.99e-04
4653	232	10.61	12.54	-1.57	-7.08e-04	1.44e-04	-5.41e-04
4653	235	-9.77	-13.15	-0.53	3.44e-04	-5.60e-05	5.21e-04
4654	4	0.64	0.44	-1.72	0.0	8.59e-05	-3.45e-05
4654	44	0.44	-1.95	-1.43	0.0	1.62e-04	3.70e-05
4654	68	0.45	0.28	-1.20	0.0	6.22e-05	-2.44e-05
4654	88	0.32	-1.31	-1.01	0.0	1.13e-04	2.33e-05
4654	98	0.37	-0.27	-0.97	0.0	6.47e-05	-1.31e-05
4654	105	0.34	-0.46	-0.92	0.0	7.12e-05	-5.50e-06
4654	107	0.35	-0.25	-0.93	0.0	6.23e-05	-1.29e-05
4654	112	12.87	4.49	-1.04	0.0	3.75e-04	-6.31e-04
4654	136	7.41	9.17	-1.16	0.0	2.18e-04	-4.17e-04
4654	139	-6.70	-9.67	-0.70	0.0	-9.32e-05	3.91e-04
4654	144	14.46	5.09	-1.05	0.0	4.14e-04	-7.09e-04
4654	168	8.34	10.35	-1.19	0.0	2.38e-04	-4.69e-04
4654	171	-7.63	-10.86	-0.67	0.0	-1.13e-04	4.44e-04
4654	176	14.56	5.02	-1.05	0.0	4.14e-04	-6.99e-04
4654	200	8.56	10.25	-1.19	0.0	2.41e-04	-4.72e-04
4654	203	-7.85	-10.76	-0.67	0.0	-1.17e-04	4.47e-04

4654	208	17.12	5.89	-1.07	0.0	4.77e-04	-8.15e-04
4654	232	10.19	12.01	-1.23	0.0	2.76e-04	-5.60e-04
4654	235	-9.48	-12.52	-0.63	0.0	-1.51e-04	5.34e-04
4655	4	0.68	0.42	-1.74	0.0	7.65e-05	-2.57e-05
4655	44	0.53	-2.02	-1.45	0.0	1.90e-04	1.49e-05
4655	68	0.48	0.26	-1.22	0.0	5.58e-05	-1.84e-05
4655	88	0.38	-1.37	-1.03	0.0	1.32e-04	8.68e-06
4655	98	0.40	-0.29	-0.99	0.0	6.41e-05	-1.19e-05
4655	105	0.38	-0.49	-0.93	0.0	7.45e-05	-7.55e-06
4655	107	0.38	-0.28	-0.94	0.0	6.18e-05	-1.17e-05
4655	112	13.03	4.57	-1.05	0.0	3.13e-04	-6.27e-04
4655	136	7.50	9.37	-1.18	0.0	1.79e-04	-4.12e-04
4655	139	-6.73	-9.93	-0.71	0.0	-5.55e-05	3.89e-04
4655	144	14.64	5.18	-1.07	0.0	3.44e-04	-7.05e-04
4655	168	8.44	10.58	-1.20	0.0	1.94e-04	-4.64e-04
4655	171	-7.67	-11.14	-0.68	0.0	-7.07e-05	4.40e-04
4655	176	14.74	5.10	-1.06	0.0	3.44e-04	-6.95e-04
4655	200	8.66	10.48	-1.20	0.0	1.96e-04	-4.66e-04
4655	203	-7.89	-11.04	-0.68	0.0	-7.26e-05	4.43e-04
4655	208	17.33	6.00	-1.08	0.0	3.93e-04	-8.10e-04
4655	232	10.31	12.28	-1.24	0.0	2.22e-04	-5.53e-04
4655	235	-9.54	-12.84	-0.64	0.0	-9.83e-05	5.30e-04
4656	4	0.71	0.39	-1.78	-2.37e-04	5.21e-05	-1.33e-05
4656	44	0.64	-2.10	-1.49	-1.31e-04	1.50e-04	-1.43e-05
4656	52	0.72	-0.56	-1.75	-2.03e-04	7.67e-05	-1.47e-05
4656	68	0.51	0.24	-1.25	-1.69e-04	3.80e-05	-9.96e-06
4656	88	0.46	-1.42	-1.06	-9.87e-05	1.03e-04	-1.07e-05
4656	92	0.51	-0.39	-1.23	-1.47e-04	5.44e-05	-1.09e-05
4656	98	0.43	-0.32	-1.01	-1.33e-04	4.61e-05	-1.01e-05
4656	105	0.41	-0.52	-0.96	-1.22e-04	5.51e-05	-1.00e-05
4656	107	0.42	-0.31	-0.96	-1.29e-04	4.42e-05	-9.96e-06
4656	112	13.16	4.64	-1.08	-2.85e-04	2.01e-04	-6.20e-04
4656	136	7.58	9.57	-1.20	-4.61e-04	1.19e-04	-4.04e-04
4656	139	-6.75	-10.18	-0.73	2.02e-04	-3.06e-05	3.84e-04
4656	144	14.79	5.26	-1.09	-3.04e-04	2.21e-04	-6.97e-04
4656	168	8.52	10.81	-1.23	-5.02e-04	1.29e-04	-4.54e-04
4656	171	-7.69	-11.42	-0.70	2.44e-04	-4.01e-05	4.34e-04
4656	176	14.89	5.19	-1.09	-3.00e-04	2.19e-04	-6.86e-04
4656	200	8.75	10.70	-1.23	-4.98e-04	1.29e-04	-4.56e-04
4656	203	-7.91	-11.31	-0.70	2.39e-04	-4.04e-05	4.36e-04
4656	208	17.49	6.10	-1.11	-3.28e-04	2.50e-04	-8.00e-04
4656	232	10.40	12.54	-1.27	-5.59e-04	1.44e-04	-5.41e-04
4656	235	-9.57	-13.15	-0.66	3.00e-04	-5.60e-05	5.21e-04
4657	4	0.62	0.44	-1.64	0.0	9.19e-05	-3.00e-05
4657	44	0.46	-1.95	-1.40	0.0	1.44e-04	3.77e-05
4657	68	0.44	0.28	-1.15	0.0	6.62e-05	-2.11e-05
4657	88	0.33	-1.31	-0.99	0.0	1.01e-04	2.40e-05
4657	98	0.36	-0.27	-0.93	0.0	6.49e-05	-1.06e-05
4657	105	0.34	-0.46	-0.89	0.0	6.89e-05	-3.41e-06
4657	107	0.35	-0.25	-0.89	0.0	6.25e-05	-1.04e-05
4657	112	12.63	4.49	-0.94	0.0	3.75e-04	-6.22e-04
4657	136	7.27	9.17	-1.00	0.0	2.17e-04	-4.12e-04
4657	139	-6.57	-9.68	-0.78	0.0	-9.20e-05	3.91e-04
4657	144	14.19	5.09	-0.95	0.0	4.15e-04	-7.00e-04
4657	168	8.17	10.35	-1.02	0.0	2.37e-04	-4.64e-04
4657	171	-7.48	-10.86	-0.76	0.0	-1.12e-04	4.43e-04
4657	176	14.29	5.02	-0.95	0.0	4.15e-04	-6.90e-04
4657	200	8.39	10.25	-1.02	0.0	2.40e-04	-4.67e-04
4657	203	-7.69	-10.76	-0.76	0.0	-1.15e-04	4.46e-04
4657	208	16.80	5.89	-0.96	0.0	4.77e-04	-8.04e-04
4657	232	9.98	12.01	-1.04	0.0	2.75e-04	-5.54e-04
4657	235	-9.29	-12.52	-0.74	0.0	-1.50e-04	5.33e-04
4658	4	0.67	0.42	-1.67	0.0	8.56e-05	-2.27e-05
4658	44	0.54	-2.02	-1.42	0.0	1.64e-04	1.57e-05
4658	68	0.47	0.26	-1.17	0.0	6.20e-05	-1.63e-05
4658	88	0.39	-1.37	-1.00	0.0	1.14e-04	9.35e-06
4658	98	0.40	-0.30	-0.95	0.0	6.48e-05	-1.03e-05
4658	105	0.37	-0.49	-0.90	0.0	7.15e-05	-6.13e-06
4658	107	0.38	-0.28	-0.90	0.0	6.24e-05	-1.01e-05
4658	112	12.79	4.57	-0.96	0.0	3.15e-04	-6.22e-04
4658	136	7.36	9.37	-1.02	0.0	1.79e-04	-4.09e-04
4658	139	-6.60	-9.93	-0.79	0.0	-5.40e-05	3.89e-04
4658	144	14.37	5.18	-0.96	0.0	3.47e-04	-7.00e-04
4658	168	8.27	10.58	-1.03	0.0	1.94e-04	-4.60e-04
4658	171	-7.52	-11.14	-0.77	0.0	-6.91e-05	4.40e-04

4658	176	14.47	5.10	-0.96	0.0	3.46e-04	-6.89e-04
4658	200	8.49	10.48	-1.03	0.0	1.96e-04	-4.63e-04
4658	203	-7.73	-11.04	-0.77	0.0	-7.13e-05	4.43e-04
4658	208	17.00	6.00	-0.97	0.0	3.96e-04	-8.04e-04
4658	232	10.10	12.28	-1.05	0.0	2.22e-04	-5.49e-04
4658	235	-9.34	-12.84	-0.75	0.0	-9.71e-05	5.29e-04
4659	4	0.71	0.39	-1.71	-1.46e-04	5.21e-05	-1.31e-05
4659	44	0.63	-2.10	-1.46	-6.18e-05	1.50e-04	-1.42e-05
4659	52	0.72	-0.56	-1.69	-1.17e-04	7.67e-05	-1.45e-05
4659	68	0.50	0.24	-1.20	-1.05e-04	3.80e-05	-9.85e-06
4659	88	0.45	-1.42	-1.03	-4.89e-05	1.03e-04	-1.05e-05
4659	92	0.51	-0.39	-1.19	-8.57e-05	5.44e-05	-1.08e-05
4659	98	0.43	-0.32	-0.97	-8.04e-05	4.61e-05	-1.00e-05
4659	105	0.41	-0.52	-0.92	-7.23e-05	5.51e-05	-9.92e-06
4659	107	0.41	-0.31	-0.92	-7.86e-05	4.42e-05	-9.86e-06
4659	112	12.93	4.64	-0.98	-2.07e-04	2.01e-04	-6.19e-04
4659	136	7.44	9.56	-1.04	-3.52e-04	1.19e-04	-4.03e-04
4659	139	-6.62	-10.18	-0.81	1.95e-04	-3.06e-05	3.84e-04
4659	144	14.52	5.26	-0.99	-2.22e-04	2.21e-04	-6.97e-04
4659	168	8.36	10.80	-1.05	-3.86e-04	1.29e-04	-4.54e-04
4659	171	-7.54	-11.42	-0.79	2.29e-04	-4.01e-05	4.34e-04
4659	176	14.62	5.19	-0.98	-2.19e-04	2.19e-04	-6.86e-04
4659	200	8.58	10.70	-1.05	-3.82e-04	1.29e-04	-4.56e-04
4659	203	-7.75	-11.31	-0.80	2.25e-04	-4.04e-05	4.37e-04
4659	208	17.17	6.10	-0.99	-2.42e-04	2.50e-04	-8.00e-04
4659	232	10.19	12.54	-1.07	-4.32e-04	1.44e-04	-5.41e-04
4659	235	-9.37	-13.15	-0.77	2.75e-04	-5.60e-05	5.21e-04
4660	4	0.61	0.44	-1.64	0.0	9.65e-05	-2.46e-05
4660	44	0.48	-1.95	-1.42	0.0	1.27e-04	3.22e-05
4660	68	0.43	0.28	-1.15	0.0	6.92e-05	-1.73e-05
4660	88	0.35	-1.31	-1.00	0.0	8.98e-05	2.06e-05
4660	98	0.36	-0.27	-0.94	0.0	6.46e-05	-8.50e-06
4660	105	0.34	-0.46	-0.89	0.0	6.64e-05	-2.49e-06
4660	107	0.34	-0.25	-0.89	0.0	6.22e-05	-8.35e-06
4660	112	12.39	4.49	-0.90	0.0	3.75e-04	-6.19e-04
4660	132	7.39	9.14	-0.92	0.0	2.36e-04	-3.96e-04
4660	139	-6.44	-9.68	-0.87	0.0	-9.20e-05	3.92e-04
4660	144	13.93	5.09	-0.91	0.0	4.14e-04	-6.96e-04
4660	164	8.29	10.32	-0.92	0.0	2.58e-04	-4.46e-04
4660	171	-7.33	-10.86	-0.86	0.0	-1.12e-04	4.44e-04
4660	176	14.02	5.02	-0.91	0.0	4.14e-04	-6.87e-04
4660	196	8.39	10.20	-0.92	0.0	2.59e-04	-4.43e-04
4660	203	-7.54	-10.76	-0.86	0.0	-1.15e-04	4.47e-04
4660	208	16.47	5.89	-0.91	0.0	4.76e-04	-8.01e-04
4660	228	9.86	11.93	-0.92	0.0	2.95e-04	-5.20e-04
4660	235	-9.09	-12.52	-0.86	0.0	-1.50e-04	5.34e-04
4661	4	0.66	0.42	-1.67	0.0	9.23e-05	-1.91e-05
4661	44	0.55	-2.02	-1.44	0.0	1.40e-04	1.30e-05
4661	68	0.46	0.26	-1.16	0.0	6.64e-05	-1.37e-05
4661	88	0.39	-1.37	-1.02	0.0	9.85e-05	7.72e-06
4661	98	0.39	-0.30	-0.95	0.0	6.44e-05	-8.78e-06
4661	105	0.37	-0.49	-0.90	0.0	6.81e-05	-5.29e-06
4661	107	0.37	-0.28	-0.90	0.0	6.21e-05	-8.64e-06
4661	112	12.55	4.57	-0.92	0.0	3.16e-04	-6.21e-04
4661	132	7.49	9.35	-0.93	0.0	2.00e-04	-3.96e-04
4661	139	-6.47	-9.93	-0.88	0.0	-5.49e-05	3.90e-04
4661	144	14.11	5.18	-0.92	0.0	3.48e-04	-6.99e-04
4661	164	8.41	10.55	-0.93	0.0	2.17e-04	-4.46e-04
4661	171	-7.37	-11.14	-0.87	0.0	-7.01e-05	4.42e-04
4661	176	14.20	5.10	-0.92	0.0	3.47e-04	-6.89e-04
4661	196	8.50	10.43	-0.93	0.0	2.18e-04	-4.43e-04
4661	203	-7.58	-11.04	-0.88	0.0	-7.24e-05	4.45e-04
4661	208	16.68	6.00	-0.92	0.0	3.98e-04	-8.04e-04
4661	228	9.99	12.20	-0.93	0.0	2.46e-04	-5.19e-04
4661	235	-9.15	-12.84	-0.87	0.0	-9.86e-05	5.31e-04
4662	4	0.70	0.39	-1.70	-8.06e-05	5.21e-05	-1.14e-05
4662	44	0.63	-2.10	-1.48	-1.12e-05	1.50e-04	-1.22e-05
4662	52	0.71	-0.56	-1.70	-5.45e-05	7.67e-05	-1.26e-05
4662	68	0.50	0.24	-1.19	-5.88e-05	3.80e-05	-8.57e-06
4662	88	0.45	-1.42	-1.04	-1.25e-05	1.03e-04	-9.15e-06
4662	92	0.50	-0.39	-1.19	-4.13e-05	5.44e-05	-9.39e-06
4662	98	0.42	-0.32	-0.97	-4.22e-05	4.61e-05	-8.85e-06
4662	105	0.40	-0.52	-0.92	-3.64e-05	5.51e-05	-8.75e-06
4662	107	0.41	-0.31	-0.92	-4.21e-05	4.42e-05	-8.73e-06
4662	112	12.69	4.64	-0.94	-1.53e-04	2.01e-04	-6.19e-04

4662	132	7.58	9.54	-0.95	-2.79e-04	1.34e-04	-3.93e-04
4662	139	-6.49	-10.18	-0.90	1.96e-04	-3.06e-05	3.86e-04
4662	144	14.26	5.26	-0.94	-1.67e-04	2.21e-04	-6.96e-04
4662	164	8.50	10.77	-0.95	-3.09e-04	1.45e-04	-4.43e-04
4662	171	-7.39	-11.42	-0.89	2.26e-04	-4.01e-05	4.36e-04
4662	176	14.35	5.18	-0.94	-1.64e-04	2.19e-04	-6.86e-04
4662	196	8.60	10.65	-0.95	-3.05e-04	1.45e-04	-4.39e-04
4662	203	-7.60	-11.31	-0.89	2.22e-04	-4.04e-05	4.39e-04
4662	208	16.85	6.09	-0.94	-1.84e-04	2.50e-04	-8.00e-04
4662	232	9.99	12.54	-0.96	-3.50e-04	1.44e-04	-5.41e-04
4662	235	-9.18	-13.16	-0.89	2.66e-04	-5.60e-05	5.24e-04
4663	4	0.60	0.44	-1.72	0.0	9.98e-05	-1.91e-05
4663	28	0.58	-1.39	-1.72	0.0	1.17e-04	1.00e-05
4663	44	0.50	-1.95	-1.51	0.0	1.14e-04	2.42e-05
4663	68	0.42	0.28	-1.20	0.0	7.13e-05	-1.34e-05
4663	80	0.41	-0.94	-1.20	0.0	8.29e-05	6.01e-06
4663	88	0.35	-1.31	-1.06	0.0	8.09e-05	1.54e-05
4663	98	0.35	-0.27	-0.98	0.0	6.40e-05	-6.78e-06
4663	105	0.34	-0.46	-0.93	0.0	6.42e-05	-2.15e-06
4663	107	0.34	-0.26	-0.93	0.0	6.16e-05	-6.63e-06
4663	112	12.16	4.49	-0.93	0.0	3.72e-04	-6.19e-04
4663	139	-6.31	-9.68	-0.99	0.0	-9.20e-05	3.94e-04
4663	144	13.66	5.09	-0.93	0.0	4.12e-04	-6.97e-04
4663	171	-7.18	-10.86	-0.99	0.0	-1.12e-04	4.46e-04
4663	176	13.75	5.02	-0.93	0.0	4.11e-04	-6.87e-04
4663	203	-7.38	-10.76	-0.99	0.0	-1.15e-04	4.50e-04
4663	208	16.16	5.89	-0.92	0.0	4.73e-04	-8.02e-04
4663	235	-8.90	-12.52	-1.00	0.0	-1.50e-04	5.37e-04
4664	28	0.64	-1.46	-1.73	0.0	1.22e-04	0.0
4664	44	0.56	-2.02	-1.52	0.0	1.22e-04	8.86e-06
4664	52	0.65	-0.51	-1.73	0.0	1.06e-04	-1.10e-05
4664	80	0.45	-0.99	-1.21	0.0	8.63e-05	0.0
4664	88	0.40	-1.37	-1.07	0.0	8.63e-05	5.11e-06
4664	92	0.46	-0.36	-1.21	0.0	7.54e-05	-8.10e-06
4664	98	0.39	-0.30	-0.99	0.0	6.42e-05	-7.51e-06
4664	105	0.37	-0.49	-0.94	0.0	6.54e-05	-4.81e-06
4664	107	0.37	-0.28	-0.94	0.0	6.18e-05	-7.38e-06
4664	112	12.32	4.57	-0.93	0.0	3.17e-04	-6.24e-04
4664	139	-6.34	-9.93	-0.99	0.0	-5.73e-05	3.93e-04
4664	144	13.84	5.18	-0.93	0.0	3.50e-04	-7.02e-04
4664	171	-7.22	-11.14	-1.00	0.0	-7.27e-05	4.45e-04
4664	176	13.93	5.10	-0.93	0.0	3.49e-04	-6.92e-04
4664	203	-7.42	-11.04	-1.00	0.0	-7.52e-05	4.48e-04
4664	208	16.36	6.00	-0.93	0.0	4.00e-04	-8.08e-04
4664	235	-8.95	-12.84	-1.01	0.0	-1.02e-04	5.35e-04
4665	28	0.70	-1.53	-1.75	-1.04e-05	1.25e-04	-1.08e-05
4665	44	0.62	-2.10	-1.54	3.77e-06	1.50e-04	-1.04e-05
4665	52	0.70	-0.57	-1.75	-3.51e-05	7.67e-05	-1.08e-05
4665	80	0.50	-1.04	-1.23	-1.12e-05	8.69e-05	-8.08e-06
4665	88	0.44	-1.42	-1.08	-1.75e-06	1.03e-04	-7.83e-06
4665	92	0.50	-0.40	-1.22	-2.76e-05	5.44e-05	-8.09e-06
4665	98	0.42	-0.33	-1.00	-3.01e-05	4.61e-05	-7.72e-06
4665	105	0.40	-0.53	-0.95	-2.51e-05	5.51e-05	-7.63e-06
4665	107	0.40	-0.31	-0.95	-3.05e-05	4.42e-05	-7.64e-06
4665	112	12.46	4.63	-0.94	-1.36e-04	2.01e-04	-6.19e-04
4665	139	-6.36	-10.18	-1.01	1.96e-04	-3.06e-05	3.87e-04
4665	144	14.00	5.25	-0.94	-1.50e-04	2.21e-04	-6.96e-04
4665	171	-7.24	-11.42	-1.01	2.24e-04	-4.01e-05	4.38e-04
4665	176	14.08	5.18	-0.94	-1.47e-04	2.19e-04	-6.86e-04
4665	203	-7.44	-11.32	-1.01	2.21e-04	-4.04e-05	4.40e-04
4665	208	16.54	6.09	-0.94	-1.65e-04	2.50e-04	-8.00e-04
4665	235	-8.99	-13.16	-1.02	2.63e-04	-5.60e-05	5.26e-04
4666	28	0.37	-1.09	-1.88	0.0	9.58e-05	4.45e-06
4666	44	0.32	-1.59	-1.64	0.0	7.96e-05	1.06e-05
4666	52	0.38	-0.27	-1.87	0.0	1.04e-04	-3.86e-06
4666	80	0.26	-0.73	-1.31	0.0	6.84e-05	2.89e-06
4666	88	0.23	-1.07	-1.15	0.0	5.76e-05	6.97e-06
4666	92	0.27	-0.19	-1.31	0.0	7.38e-05	-2.65e-06
4666	98	0.22	-0.16	-1.07	0.0	6.26e-05	-2.03e-06
4666	105	0.21	-0.33	-1.02	0.0	5.84e-05	0.0
4666	107	0.21	-0.15	-1.01	0.0	6.02e-05	-1.90e-06
4666	112	10.80	4.14	-1.00	0.0	6.83e-04	-5.74e-04
4666	139	-5.76	-8.56	-1.13	0.0	-2.95e-04	3.66e-04
4666	144	12.15	4.68	-1.00	0.0	7.62e-04	-6.46e-04
4666	171	-6.54	-9.62	-1.15	0.0	-3.41e-04	4.14e-04

4666	176	12.22	4.62	-1.00	0.0	7.63e-04	-6.39e-04
4666	203	-6.71	-9.53	-1.14	0.0	-3.48e-04	4.18e-04
4666	208	14.38	5.41	-1.00	0.0	8.87e-04	-7.47e-04
4666	235	-8.07	-11.10	-1.16	0.0	-4.26e-04	5.00e-04
4667	28	0.42	-1.16	-1.91	0.0	9.88e-05	9.36e-06
4667	44	0.36	-1.69	-1.67	0.0	8.44e-05	1.95e-05
4667	52	0.43	-0.32	-1.90	0.0	1.04e-04	-4.75e-06
4667	80	0.30	-0.79	-1.34	0.0	7.04e-05	6.15e-06
4667	88	0.26	-1.13	-1.18	0.0	6.08e-05	1.29e-05
4667	92	0.30	-0.22	-1.33	0.0	7.39e-05	-3.26e-06
4667	98	0.25	-0.18	-1.09	0.0	6.27e-05	-2.53e-06
4667	105	0.24	-0.36	-1.04	0.0	5.91e-05	0.0
4667	107	0.24	-0.18	-1.03	0.0	6.02e-05	-2.37e-06
4667	112	11.14	4.23	-1.02	0.0	6.21e-04	-5.89e-04
4667	139	-5.90	-8.85	-1.15	0.0	-2.55e-04	3.79e-04
4667	144	12.53	4.78	-1.02	0.0	6.92e-04	-6.63e-04
4667	171	-6.71	-9.94	-1.16	0.0	-2.95e-04	4.29e-04
4667	176	12.61	4.72	-1.02	0.0	6.92e-04	-6.55e-04
4667	203	-6.88	-9.85	-1.16	0.0	-3.01e-04	4.33e-04
4667	208	14.82	5.54	-1.01	0.0	8.04e-04	-7.66e-04
4667	235	-8.28	-11.47	-1.18	0.0	-3.71e-04	5.17e-04
4668	28	0.47	-1.24	-1.93	0.0	1.03e-04	1.15e-05
4668	44	0.41	-1.78	-1.70	0.0	9.07e-05	2.37e-05
4668	52	0.49	-0.37	-1.92	0.0	1.04e-04	-5.69e-06
4668	80	0.33	-0.84	-1.35	0.0	7.30e-05	7.49e-06
4668	88	0.29	-1.20	-1.19	0.0	6.50e-05	1.57e-05
4668	92	0.34	-0.26	-1.35	0.0	7.40e-05	-3.94e-06
4668	98	0.29	-0.21	-1.10	0.0	6.28e-05	-3.17e-06
4668	105	0.27	-0.40	-1.05	0.0	6.00e-05	0.0
4668	107	0.27	-0.20	-1.05	0.0	6.03e-05	-2.99e-06
4668	112	11.45	4.32	-1.03	0.0	5.37e-04	-6.03e-04
4668	139	-6.02	-9.13	-1.16	0.0	-2.00e-04	3.90e-04
4668	144	12.87	4.89	-1.03	0.0	5.97e-04	-6.79e-04
4668	171	-6.84	-10.26	-1.18	0.0	-2.34e-04	4.40e-04
4668	176	12.95	4.83	-1.03	0.0	5.97e-04	-6.71e-04
4668	203	-7.02	-10.16	-1.17	0.0	-2.39e-04	4.45e-04
4668	208	15.22	5.66	-1.03	0.0	6.92e-04	-7.84e-04
4668	235	-8.46	-11.83	-1.19	0.0	-2.96e-04	5.31e-04
4669	28	0.53	-1.32	-1.95	0.0	1.07e-04	9.98e-06
4669	44	0.46	-1.86	-1.71	0.0	9.72e-05	2.20e-05
4669	52	0.54	-0.42	-1.94	0.0	1.04e-04	-6.82e-06
4669	80	0.37	-0.89	-1.36	0.0	7.57e-05	6.39e-06
4669	88	0.33	-1.26	-1.20	0.0	6.94e-05	1.44e-05
4669	92	0.38	-0.29	-1.36	0.0	7.41e-05	-4.82e-06
4669	98	0.32	-0.24	-1.11	0.0	6.29e-05	-4.05e-06
4669	105	0.30	-0.43	-1.06	0.0	6.09e-05	0.0
4669	107	0.31	-0.23	-1.05	0.0	6.04e-05	-3.87e-06
4669	112	11.70	4.41	-1.04	0.0	4.46e-04	-6.14e-04
4669	139	-6.11	-9.41	-1.17	0.0	-1.42e-04	3.96e-04
4669	144	13.15	4.99	-1.04	0.0	4.95e-04	-6.92e-04
4669	171	-6.95	-10.57	-1.18	0.0	-1.68e-04	4.47e-04
4669	176	13.23	4.93	-1.04	0.0	4.94e-04	-6.83e-04
4669	203	-7.13	-10.47	-1.18	0.0	-1.72e-04	4.51e-04
4669	208	15.54	5.78	-1.04	0.0	5.71e-04	-7.98e-04
4669	235	-8.59	-12.19	-1.20	0.0	-2.17e-04	5.39e-04
4670	28	0.37	-1.09	-2.20	0.0	1.00e-04	2.29e-06
4670	44	0.32	-1.59	-1.93	0.0	8.79e-05	6.27e-06
4670	52	0.37	-0.27	-2.19	0.0	1.03e-04	-2.72e-06
4670	80	0.26	-0.73	-1.54	0.0	7.16e-05	1.60e-06
4670	88	0.23	-1.07	-1.36	0.0	6.32e-05	4.26e-06
4670	92	0.26	-0.19	-1.53	0.0	7.35e-05	-1.74e-06
4670	98	0.22	-0.16	-1.25	0.0	6.24e-05	-1.08e-06
4670	105	0.21	-0.33	-1.19	0.0	5.94e-05	0.0
4670	107	0.21	-0.15	-1.19	0.0	6.00e-05	0.0
4670	112	10.55	4.14	-1.17	0.0	6.81e-04	-5.78e-04
4670	133	-0.26	-7.38	-1.37	0.0	1.97e-05	4.85e-05
4670	139	-5.61	-8.56	-1.35	0.0	-2.94e-04	3.70e-04
4670	144	11.86	4.67	-1.16	0.0	7.59e-04	-6.52e-04
4670	165	-0.33	-8.28	-1.39	0.0	1.44e-05	5.54e-05
4670	171	-6.37	-9.62	-1.37	0.0	-3.40e-04	4.18e-04
4670	176	11.93	4.62	-1.16	0.0	7.59e-04	-6.45e-04
4670	197	-0.36	-8.19	-1.39	0.0	1.35e-05	5.84e-05
4670	203	-6.53	-9.53	-1.37	0.0	-3.46e-04	4.22e-04
4670	208	14.03	5.41	-1.16	0.0	8.82e-04	-7.55e-04
4670	233	-0.62	-9.45	-1.42	0.0	-1.09e-05	4.31e-05

4670	235	-7.85	-11.10	-1.40	0.0	-4.23e-04	5.04e-04
4671	28	0.42	-1.16	-2.22	0.0	1.01e-04	5.26e-06
4671	44	0.37	-1.69	-1.95	0.0	8.94e-05	1.17e-05
4671	52	0.43	-0.32	-2.20	0.0	1.03e-04	-3.04e-06
4671	80	0.30	-0.79	-1.55	0.0	7.22e-05	3.66e-06
4671	88	0.26	-1.13	-1.37	0.0	6.42e-05	7.93e-06
4671	92	0.30	-0.22	-1.54	0.0	7.34e-05	-1.87e-06
4671	98	0.25	-0.18	-1.26	0.0	6.23e-05	-1.05e-06
4671	105	0.24	-0.36	-1.20	0.0	5.95e-05	0.0
4671	107	0.24	-0.18	-1.20	0.0	5.99e-05	0.0
4671	112	10.89	4.23	-1.18	0.0	6.17e-04	-5.95e-04
4671	133	-0.25	-7.64	-1.38	0.0	2.76e-05	5.26e-05
4671	139	-5.76	-8.85	-1.36	0.0	-2.54e-04	3.83e-04
4671	144	12.24	4.78	-1.18	0.0	6.88e-04	-6.70e-04
4671	165	-0.32	-8.57	-1.40	0.0	2.33e-05	6.00e-05
4671	171	-6.54	-9.94	-1.38	0.0	-2.94e-04	4.33e-04
4671	176	12.31	4.72	-1.17	0.0	6.87e-04	-6.62e-04
4671	197	-0.35	-8.48	-1.40	0.0	2.23e-05	6.32e-05
4671	203	-6.70	-9.85	-1.38	0.0	-2.99e-04	4.38e-04
4671	208	14.47	5.54	-1.17	0.0	7.98e-04	-7.75e-04
4671	229	-0.49	-9.85	-1.43	0.0	1.52e-05	7.81e-05
4671	235	-8.06	-11.47	-1.41	0.0	-3.67e-04	5.23e-04
4672	28	0.48	-1.24	-2.23	0.0	1.03e-04	6.23e-06
4672	44	0.42	-1.78	-1.96	0.0	9.13e-05	1.39e-05
4672	52	0.48	-0.37	-2.22	0.0	1.03e-04	-3.75e-06
4672	80	0.34	-0.84	-1.56	0.0	7.29e-05	4.30e-06
4672	88	0.30	-1.20	-1.38	0.0	6.54e-05	9.40e-06
4672	92	0.34	-0.26	-1.55	0.0	7.33e-05	-2.35e-06
4672	98	0.29	-0.21	-1.27	0.0	6.20e-05	-1.44e-06
4672	105	0.27	-0.40	-1.21	0.0	5.95e-05	1.00e-06
4672	107	0.27	-0.20	-1.21	0.0	5.96e-05	-1.21e-06
4672	112	11.19	4.32	-1.19	0.0	5.32e-04	-6.09e-04
4672	133	-0.23	-7.89	-1.38	0.0	3.80e-05	5.50e-05
4672	139	-5.87	-9.13	-1.36	0.0	-1.99e-04	3.94e-04
4672	144	12.58	4.89	-1.18	0.0	5.92e-04	-6.86e-04
4672	165	-0.30	-8.86	-1.40	0.0	3.51e-05	6.28e-05
4672	171	-6.68	-10.26	-1.38	0.0	-2.32e-04	4.45e-04
4672	176	12.65	4.83	-1.18	0.0	5.91e-04	-6.77e-04
4672	197	-0.34	-8.77	-1.40	0.0	3.40e-05	6.60e-05
4672	203	-6.84	-10.16	-1.38	0.0	-2.37e-04	4.49e-04
4672	208	14.86	5.66	-1.18	0.0	6.85e-04	-7.92e-04
4672	229	-0.47	-10.18	-1.43	0.0	2.88e-05	8.16e-05
4672	235	-8.24	-11.83	-1.41	0.0	-2.93e-04	5.36e-04
4673	28	0.53	-1.32	-2.25	0.0	1.04e-04	4.69e-06
4673	44	0.47	-1.86	-1.97	0.0	9.31e-05	1.22e-05
4673	52	0.54	-0.42	-2.23	0.0	1.03e-04	-5.02e-06
4673	80	0.38	-0.89	-1.57	0.0	7.35e-05	3.15e-06
4673	88	0.33	-1.26	-1.39	0.0	6.65e-05	8.15e-06
4673	92	0.38	-0.29	-1.56	0.0	7.30e-05	-3.32e-06
4673	98	0.32	-0.24	-1.28	0.0	6.17e-05	-2.40e-06
4673	105	0.30	-0.43	-1.22	0.0	5.94e-05	0.0
4673	107	0.30	-0.23	-1.21	0.0	5.92e-05	-2.17e-06
4673	112	11.44	4.41	-1.19	0.0	4.41e-04	-6.19e-04
4673	133	-0.21	-8.15	-1.39	0.0	4.86e-05	5.56e-05
4673	139	-5.96	-9.41	-1.37	0.0	-1.41e-04	3.99e-04
4673	144	12.86	4.99	-1.19	0.0	4.89e-04	-6.98e-04
4673	165	-0.28	-9.14	-1.41	0.0	4.70e-05	6.36e-05
4673	171	-6.78	-10.57	-1.39	0.0	-1.67e-04	4.51e-04
4673	176	12.93	4.93	-1.19	0.0	4.88e-04	-6.89e-04
4673	197	-0.32	-9.04	-1.41	0.0	4.58e-05	6.68e-05
4673	203	-6.95	-10.47	-1.39	0.0	-1.71e-04	4.55e-04
4673	208	15.19	5.78	-1.18	0.0	5.64e-04	-8.05e-04
4673	229	-0.45	-10.50	-1.44	0.0	4.25e-05	8.27e-05
4673	235	-8.37	-12.19	-1.42	0.0	-2.15e-04	5.43e-04
4674	28	0.37	-1.09	-2.53	0.0	1.03e-04	0.0
4674	44	0.33	-1.59	-2.22	0.0	9.24e-05	3.29e-06
4674	52	0.37	-0.27	-2.50	0.0	1.03e-04	-1.59e-06
4674	80	0.26	-0.73	-1.77	0.0	7.34e-05	0.0
4674	88	0.23	-1.07	-1.56	0.0	6.63e-05	2.41e-06
4674	92	0.26	-0.19	-1.75	0.0	7.36e-05	0.0
4674	98	0.22	-0.16	-1.44	0.0	6.28e-05	0.0
4674	105	0.21	-0.33	-1.37	0.0	6.04e-05	0.0
4674	107	0.21	-0.15	-1.36	0.0	6.05e-05	0.0
4674	112	10.30	4.13	-1.34	0.0	6.74e-04	-5.82e-04
4674	133	-0.27	-7.38	-1.58	0.0	1.71e-05	4.83e-05

4674	139	-5.47	-8.56	-1.56	0.0	-2.90e-04	3.72e-04
4674	144	11.58	4.67	-1.34	0.0	7.51e-04	-6.56e-04
4674	165	-0.33	-8.28	-1.61	0.0	1.15e-05	5.51e-05
4674	171	-6.21	-9.62	-1.59	0.0	-3.35e-04	4.20e-04
4674	176	11.64	4.62	-1.33	0.0	7.50e-04	-6.50e-04
4674	197	-0.37	-8.20	-1.61	0.0	1.10e-05	5.81e-05
4674	203	-6.36	-9.53	-1.59	0.0	-3.39e-04	4.25e-04
4674	208	13.68	5.41	-1.33	0.0	8.72e-04	-7.61e-04
4674	229	-0.49	-9.52	-1.65	0.0	2.28e-06	7.19e-05
4674	235	-7.64	-11.10	-1.62	0.0	-4.15e-04	5.08e-04
4675	28	0.43	-1.16	-2.53	0.0	1.03e-04	2.39e-06
4675	44	0.37	-1.68	-2.22	0.0	9.20e-05	6.09e-06
4675	52	0.43	-0.32	-2.50	0.0	1.03e-04	-1.56e-06
4675	80	0.30	-0.79	-1.77	0.0	7.31e-05	1.99e-06
4675	88	0.27	-1.13	-1.56	0.0	6.59e-05	4.45e-06
4675	92	0.30	-0.22	-1.75	0.0	7.33e-05	0.0
4675	98	0.25	-0.18	-1.44	0.0	6.22e-05	0.0
4675	105	0.24	-0.36	-1.37	0.0	5.98e-05	1.43e-06
4675	107	0.24	-0.18	-1.36	0.0	5.99e-05	0.0
4675	112	10.64	4.23	-1.34	0.0	6.11e-04	-6.01e-04
4675	133	-0.26	-7.64	-1.58	0.0	2.51e-05	5.20e-05
4675	139	-5.61	-8.85	-1.56	0.0	-2.50e-04	3.87e-04
4675	144	11.96	4.78	-1.34	0.0	6.81e-04	-6.77e-04
4675	165	-0.33	-8.57	-1.61	0.0	2.06e-05	5.92e-05
4675	171	-6.37	-9.94	-1.59	0.0	-2.90e-04	4.37e-04
4675	176	12.02	4.72	-1.34	0.0	6.80e-04	-6.70e-04
4675	197	-0.36	-8.48	-1.61	0.0	2.00e-05	6.24e-05
4675	203	-6.52	-9.85	-1.58	0.0	-2.94e-04	4.42e-04
4675	208	14.12	5.54	-1.33	0.0	7.88e-04	-7.85e-04
4675	229	-0.49	-9.85	-1.65	0.0	1.27e-05	7.69e-05
4675	235	-7.84	-11.47	-1.62	0.0	-3.61e-04	5.27e-04
4676	28	0.48	-1.24	-2.53	0.0	1.02e-04	2.28e-06
4676	44	0.42	-1.78	-2.22	0.0	9.11e-05	6.68e-06
4676	52	0.48	-0.37	-2.50	0.0	1.02e-04	-2.35e-06
4676	80	0.34	-0.84	-1.77	0.0	7.24e-05	1.96e-06
4676	88	0.30	-1.20	-1.56	0.0	6.51e-05	4.89e-06
4676	92	0.34	-0.26	-1.75	0.0	7.25e-05	-1.13e-06
4676	98	0.29	-0.21	-1.44	0.0	6.13e-05	0.0
4676	105	0.27	-0.40	-1.37	0.0	5.89e-05	1.36e-06
4676	107	0.27	-0.20	-1.37	0.0	5.89e-05	0.0
4676	112	10.93	4.32	-1.34	0.0	5.27e-04	-6.15e-04
4676	133	-0.24	-7.89	-1.58	0.0	3.56e-05	5.42e-05
4676	139	-5.72	-9.13	-1.56	0.0	-1.98e-04	3.97e-04
4676	144	12.29	4.89	-1.34	0.0	5.86e-04	-6.93e-04
4676	165	-0.31	-8.86	-1.61	0.0	3.25e-05	6.17e-05
4676	171	-6.51	-10.26	-1.59	0.0	-2.31e-04	4.48e-04
4676	176	12.35	4.83	-1.34	0.0	5.85e-04	-6.85e-04
4676	197	-0.34	-8.77	-1.61	0.0	3.16e-05	6.49e-05
4676	203	-6.66	-10.16	-1.58	0.0	-2.34e-04	4.53e-04
4676	208	14.51	5.66	-1.33	0.0	6.77e-04	-8.02e-04
4676	229	-0.48	-10.18	-1.64	0.0	2.64e-05	8.00e-05
4676	235	-8.01	-11.83	-1.62	0.0	-2.90e-04	5.40e-04
4677	28	0.53	-1.32	-2.53	0.0	1.01e-04	0.0
4677	44	0.47	-1.86	-2.23	0.0	8.99e-05	4.84e-06
4677	52	0.54	-0.42	-2.51	0.0	1.01e-04	-3.95e-06
4677	80	0.38	-0.89	-1.77	0.0	7.15e-05	0.0
4677	88	0.33	-1.26	-1.57	0.0	6.41e-05	3.54e-06
4677	92	0.38	-0.29	-1.76	0.0	7.16e-05	-2.32e-06
4677	98	0.32	-0.24	-1.44	0.0	6.02e-05	-1.08e-06
4677	105	0.30	-0.43	-1.37	0.0	5.78e-05	0.0
4677	107	0.30	-0.23	-1.37	0.0	5.78e-05	0.0
4677	112	11.18	4.41	-1.35	0.0	4.38e-04	-6.25e-04
4677	133	-0.22	-8.15	-1.59	0.0	4.60e-05	5.48e-05
4677	139	-5.81	-9.41	-1.56	0.0	-1.43e-04	4.02e-04
4677	144	12.57	4.99	-1.34	0.0	4.86e-04	-7.04e-04
4677	165	-0.29	-9.14	-1.61	0.0	4.43e-05	6.25e-05
4677	171	-6.61	-10.57	-1.59	0.0	-1.69e-04	4.54e-04
4677	176	12.63	4.93	-1.34	0.0	4.85e-04	-6.95e-04
4677	197	-0.32	-9.04	-1.61	0.0	4.32e-05	6.57e-05
4677	203	-6.77	-10.47	-1.59	0.0	-1.72e-04	4.58e-04
4677	208	14.83	5.78	-1.33	0.0	5.59e-04	-8.13e-04
4677	229	-0.46	-10.50	-1.65	0.0	3.99e-05	8.11e-05
4677	235	-8.14	-12.19	-1.62	0.0	-2.16e-04	5.47e-04
4678	28	0.37	-1.09	-2.74	0.0	1.04e-04	0.0
4678	44	0.33	-1.59	-2.41	0.0	9.47e-05	2.15e-06

4678	52	0.37	-0.27	-2.71	0.0	1.04e-04	0.0
4678	80	0.26	-0.73	-1.91	0.0	7.46e-05	0.0
4678	88	0.23	-1.07	-1.69	0.0	6.82e-05	1.79e-06
4678	92	0.26	-0.19	-1.89	0.0	7.44e-05	0.0
4678	98	0.22	-0.16	-1.56	0.0	6.39e-05	0.0
4678	105	0.21	-0.33	-1.49	0.0	6.18e-05	1.23e-06
4678	107	0.21	-0.15	-1.48	0.0	6.17e-05	1.03e-06
4678	112	10.05	4.13	-1.46	0.0	6.63e-04	-5.88e-04
4678	133	-0.27	-7.38	-1.73	0.0	1.63e-05	4.76e-05
4678	139	-5.32	-8.56	-1.70	0.0	-2.81e-04	3.75e-04
4678	144	11.30	4.67	-1.46	0.0	7.39e-04	-6.63e-04
4678	165	-0.34	-8.28	-1.76	0.0	1.06e-05	5.41e-05
4678	171	-6.04	-9.62	-1.73	0.0	-3.25e-04	4.23e-04
4678	176	11.35	4.61	-1.46	0.0	7.37e-04	-6.56e-04
4678	197	-0.37	-8.20	-1.75	0.0	1.04e-05	5.72e-05
4678	203	-6.18	-9.53	-1.73	0.0	-3.29e-04	4.29e-04
4678	208	13.34	5.41	-1.45	0.0	8.55e-04	-7.69e-04
4678	229	-0.49	-9.52	-1.80	0.0	1.68e-06	7.06e-05
4678	235	-7.42	-11.10	-1.77	0.0	-4.01e-04	5.12e-04
4679	28	0.43	-1.16	-2.73	0.0	1.03e-04	0.0
4679	44	0.38	-1.68	-2.40	0.0	9.27e-05	2.95e-06
4679	52	0.43	-0.32	-2.70	0.0	1.03e-04	0.0
4679	80	0.30	-0.79	-1.91	0.0	7.33e-05	1.22e-06
4679	88	0.27	-1.13	-1.69	0.0	6.66e-05	2.57e-06
4679	92	0.30	-0.22	-1.89	0.0	7.32e-05	0.0
4679	98	0.25	-0.18	-1.55	0.0	6.25e-05	1.50e-06
4679	105	0.24	-0.36	-1.48	0.0	6.03e-05	2.03e-06
4679	107	0.24	-0.18	-1.48	0.0	6.03e-05	1.78e-06
4679	112	10.38	4.23	-1.46	0.0	6.03e-04	-6.08e-04
4679	133	-0.26	-7.64	-1.72	0.0	2.36e-05	5.04e-05
4679	139	-5.46	-8.85	-1.70	0.0	-2.45e-04	3.89e-04
4679	144	11.67	4.78	-1.46	0.0	6.72e-04	-6.85e-04
4679	165	-0.33	-8.57	-1.76	0.0	1.89e-05	5.72e-05
4679	171	-6.20	-9.94	-1.73	0.0	-2.85e-04	4.40e-04
4679	176	11.72	4.72	-1.45	0.0	6.70e-04	-6.79e-04
4679	197	-0.36	-8.48	-1.75	0.0	1.86e-05	6.03e-05
4679	203	-6.34	-9.85	-1.72	0.0	-2.88e-04	4.45e-04
4679	208	13.77	5.54	-1.45	0.0	7.76e-04	-7.95e-04
4679	229	-0.49	-9.85	-1.79	0.0	1.13e-05	7.43e-05
4679	235	-7.62	-11.47	-1.76	0.0	-3.53e-04	5.31e-04
4680	28	0.48	-1.24	-2.73	0.0	1.01e-04	0.0
4680	44	0.42	-1.77	-2.41	0.0	9.00e-05	1.93e-06
4680	52	0.48	-0.37	-2.70	0.0	1.01e-04	-1.75e-06
4680	80	0.34	-0.84	-1.91	0.0	7.15e-05	0.0
4680	88	0.30	-1.20	-1.69	0.0	6.44e-05	1.99e-06
4680	92	0.34	-0.26	-1.89	0.0	7.16e-05	0.0
4680	98	0.29	-0.21	-1.55	0.0	6.06e-05	1.08e-06
4680	105	0.27	-0.40	-1.48	0.0	5.82e-05	1.72e-06
4680	107	0.27	-0.20	-1.48	0.0	5.82e-05	1.45e-06
4680	112	10.67	4.32	-1.46	0.0	5.24e-04	-6.19e-04
4680	133	-0.25	-7.89	-1.72	0.0	3.32e-05	5.23e-05
4680	139	-5.57	-9.13	-1.70	0.0	-1.98e-04	3.97e-04
4680	144	12.00	4.89	-1.45	0.0	5.83e-04	-6.98e-04
4680	165	-0.32	-8.86	-1.75	0.0	2.99e-05	5.94e-05
4680	171	-6.33	-10.26	-1.72	0.0	-2.31e-04	4.49e-04
4680	176	12.05	4.83	-1.45	0.0	5.81e-04	-6.90e-04
4680	197	-0.35	-8.77	-1.75	0.0	2.92e-05	6.25e-05
4680	203	-6.48	-10.16	-1.72	0.0	-2.34e-04	4.53e-04
4680	208	14.15	5.66	-1.45	0.0	6.72e-04	-8.08e-04
4680	229	-0.48	-10.17	-1.79	0.0	2.39e-05	7.70e-05
4680	235	-7.79	-11.83	-1.76	0.0	-2.88e-04	5.41e-04
4681	28	0.53	-1.32	-2.73	0.0	9.85e-05	-2.94e-06
4681	44	0.47	-1.86	-2.41	0.0	8.72e-05	0.0
4681	52	0.53	-0.42	-2.70	0.0	9.89e-05	-4.02e-06
4681	80	0.38	-0.89	-1.91	0.0	6.96e-05	-1.38e-06
4681	88	0.34	-1.26	-1.70	0.0	6.21e-05	0.0
4681	92	0.38	-0.29	-1.89	0.0	6.99e-05	-2.10e-06
4681	98	0.32	-0.24	-1.55	0.0	5.85e-05	0.0
4681	105	0.30	-0.43	-1.48	0.0	5.60e-05	0.0
4681	107	0.30	-0.23	-1.48	0.0	5.61e-05	0.0
4681	112	10.92	4.41	-1.46	0.0	4.38e-04	-6.27e-04
4681	133	-0.23	-8.15	-1.73	0.0	4.26e-05	5.30e-05
4681	139	-5.66	-9.41	-1.70	0.0	-1.47e-04	4.01e-04
4681	144	12.27	4.99	-1.46	0.0	4.87e-04	-7.06e-04
4681	165	-0.30	-9.14	-1.76	0.0	4.08e-05	6.03e-05

4681	171	-6.44	-10.57	-1.73	0.0	-1.73e-04	4.53e-04
4681	176	12.33	4.93	-1.45	0.0	4.85e-04	-6.97e-04
4681	197	-0.33	-9.04	-1.75	0.0	3.98e-05	6.34e-05
4681	203	-6.58	-10.47	-1.72	0.0	-1.76e-04	4.57e-04
4681	208	14.47	5.78	-1.45	0.0	5.60e-04	-8.16e-04
4681	229	-0.46	-10.50	-1.79	0.0	3.64e-05	7.82e-05
4681	235	-7.92	-12.19	-1.76	0.0	-2.20e-04	5.45e-04
4682	28	0.37	-1.09	-2.80	0.0	1.05e-04	2.25e-06
4682	44	0.33	-1.59	-2.47	0.0	9.58e-05	3.14e-06
4682	52	0.37	-0.27	-2.76	0.0	1.05e-04	2.08e-06
4682	80	0.26	-0.73	-1.96	0.0	7.55e-05	1.98e-06
4682	88	0.23	-1.07	-1.74	0.0	6.93e-05	2.58e-06
4682	92	0.26	-0.19	-1.94	0.0	7.54e-05	1.87e-06
4682	98	0.22	-0.16	-1.60	0.0	6.54e-05	2.11e-06
4682	105	0.21	-0.33	-1.53	0.0	6.33e-05	2.32e-06
4682	107	0.21	-0.15	-1.52	0.0	6.33e-05	2.28e-06
4682	112	9.79	4.13	-1.51	0.0	6.45e-04	-5.97e-04
4682	133	-0.28	-7.38	-1.80	0.0	1.83e-05	4.59e-05
4682	139	-5.17	-8.56	-1.76	0.0	-2.68e-04	3.78e-04
4682	144	11.01	4.67	-1.51	0.0	7.19e-04	-6.73e-04
4682	165	-0.35	-8.28	-1.83	0.0	1.26e-05	5.20e-05
4682	171	-5.88	-9.62	-1.79	0.0	-3.10e-04	4.27e-04
4682	176	11.06	4.61	-1.50	0.0	7.16e-04	-6.68e-04
4682	197	-0.37	-8.20	-1.82	0.0	1.27e-05	5.51e-05
4682	203	-6.00	-9.53	-1.79	0.0	-3.12e-04	4.33e-04
4682	208	12.99	5.41	-1.50	0.0	8.29e-04	-7.83e-04
4682	229	-0.49	-9.52	-1.87	0.0	4.22e-06	6.79e-05
4682	235	-7.20	-11.10	-1.83	0.0	-3.81e-04	5.17e-04
4683	28	0.43	-1.16	-2.80	0.0	1.02e-04	0.0
4683	44	0.38	-1.68	-2.48	0.0	9.18e-05	1.70e-06
4683	52	0.43	-0.32	-2.77	0.0	1.02e-04	0.0
4683	80	0.30	-0.79	-1.96	0.0	7.27e-05	1.00e-06
4683	88	0.27	-1.13	-1.75	0.0	6.62e-05	1.84e-06
4683	92	0.30	-0.22	-1.94	0.0	7.28e-05	1.09e-06
4683	98	0.25	-0.18	-1.60	0.0	6.27e-05	2.12e-06
4683	105	0.24	-0.36	-1.53	0.0	6.05e-05	2.40e-06
4683	107	0.24	-0.18	-1.52	0.0	6.06e-05	2.43e-06
4683	112	10.12	4.23	-1.51	0.0	5.98e-04	-6.14e-04
4683	133	-0.27	-7.64	-1.80	0.0	2.31e-05	4.73e-05
4683	139	-5.31	-8.85	-1.76	0.0	-2.41e-04	3.89e-04
4683	144	11.38	4.78	-1.51	0.0	6.66e-04	-6.92e-04
4683	165	-0.34	-8.57	-1.83	0.0	1.84e-05	5.36e-05
4683	171	-6.03	-9.94	-1.80	0.0	-2.80e-04	4.39e-04
4683	176	11.42	4.72	-1.51	0.0	6.64e-04	-6.86e-04
4683	197	-0.36	-8.48	-1.83	0.0	1.82e-05	5.65e-05
4683	203	-6.16	-9.85	-1.79	0.0	-2.82e-04	4.45e-04
4683	208	13.41	5.54	-1.50	0.0	7.68e-04	-8.05e-04
4683	229	-0.49	-9.85	-1.88	0.0	1.10e-05	6.96e-05
4683	235	-7.39	-11.47	-1.84	0.0	-3.46e-04	5.31e-04
4684	28	0.48	-1.24	-2.80	0.0	9.82e-05	-2.80e-06
4684	44	0.42	-1.77	-2.49	0.0	8.78e-05	-1.06e-06
4684	52	0.48	-0.37	-2.77	0.0	9.86e-05	-2.40e-06
4684	80	0.34	-0.84	-1.97	0.0	6.99e-05	-1.01e-06
4684	88	0.30	-1.20	-1.75	0.0	6.29e-05	0.0
4684	92	0.34	-0.26	-1.94	0.0	7.01e-05	0.0
4684	98	0.29	-0.21	-1.60	0.0	5.95e-05	1.25e-06
4684	105	0.27	-0.40	-1.53	0.0	5.71e-05	1.61e-06
4684	107	0.28	-0.20	-1.52	0.0	5.72e-05	1.70e-06
4684	112	10.42	4.32	-1.51	0.0	5.28e-04	-6.17e-04
4684	133	-0.25	-7.89	-1.80	0.0	3.04e-05	4.92e-05
4684	139	-5.42	-9.13	-1.77	0.0	-2.02e-04	3.92e-04
4684	144	11.71	4.89	-1.51	0.0	5.87e-04	-6.96e-04
4684	165	-0.33	-8.86	-1.84	0.0	2.69e-05	5.58e-05
4684	171	-6.16	-10.26	-1.80	0.0	-2.35e-04	4.43e-04
4684	176	11.75	4.83	-1.51	0.0	5.85e-04	-6.88e-04
4684	197	-0.35	-8.77	-1.83	0.0	2.65e-05	5.84e-05
4684	203	-6.29	-10.16	-1.80	0.0	-2.37e-04	4.47e-04
4684	208	13.79	5.66	-1.50	0.0	6.77e-04	-8.05e-04
4684	229	-0.48	-10.17	-1.88	0.0	2.09e-05	7.19e-05
4684	235	-7.56	-11.83	-1.84	0.0	-2.92e-04	5.33e-04
4685	28	0.53	-1.32	-2.81	0.0	9.60e-05	-6.44e-06
4685	44	0.47	-1.86	-2.49	0.0	8.46e-05	-4.32e-06
4685	52	0.53	-0.42	-2.77	0.0	9.64e-05	-5.95e-06
4685	80	0.37	-0.89	-1.97	0.0	6.77e-05	-3.52e-06
4685	88	0.33	-1.26	-1.76	0.0	6.01e-05	-2.11e-06

4685	92	0.38	-0.29	-1.95	0.0	6.79e-05	-3.20e-06
4685	98	0.32	-0.24	-1.60	0.0	5.65e-05	0.0
4685	105	0.30	-0.43	-1.53	0.0	5.40e-05	0.0
4685	107	0.30	-0.23	-1.53	0.0	5.40e-05	0.0
4685	112	10.67	4.41	-1.51	0.0	4.43e-04	-6.21e-04
4685	133	-0.24	-8.15	-1.81	0.0	3.82e-05	4.99e-05
4685	139	-5.52	-9.41	-1.77	0.0	-1.54e-04	3.94e-04
4685	144	11.99	4.99	-1.51	0.0	4.92e-04	-7.00e-04
4685	165	-0.31	-9.14	-1.84	0.0	3.60e-05	5.68e-05
4685	171	-6.27	-10.57	-1.81	0.0	-1.81e-04	4.45e-04
4685	176	12.03	4.93	-1.51	0.0	4.90e-04	-6.90e-04
4685	197	-0.33	-9.04	-1.84	0.0	3.53e-05	5.93e-05
4685	203	-6.40	-10.47	-1.80	0.0	-1.83e-04	4.48e-04
4685	208	14.11	5.78	-1.51	0.0	5.66e-04	-8.07e-04
4685	229	-0.46	-10.50	-1.89	0.0	3.16e-05	7.32e-05
4685	235	-7.70	-12.19	-1.85	0.0	-2.28e-04	5.34e-04
4686	28	0.37	-1.09	-2.75	0.0	1.06e-04	5.06e-06
4686	44	0.33	-1.60	-2.45	0.0	9.69e-05	6.03e-06
4686	52	0.38	-0.28	-2.71	0.0	1.06e-04	4.94e-06
4686	80	0.26	-0.74	-1.93	0.0	7.64e-05	4.02e-06
4686	88	0.24	-1.07	-1.73	0.0	7.04e-05	4.67e-06
4686	92	0.27	-0.20	-1.90	0.0	7.67e-05	3.94e-06
4686	98	0.22	-0.16	-1.58	0.0	6.71e-05	3.60e-06
4686	105	0.21	-0.34	-1.51	0.0	6.50e-05	3.83e-06
4686	107	0.21	-0.15	-1.50	0.0	6.51e-05	3.80e-06
4686	112	9.53	4.13	-1.50	0.0	6.23e-04	-6.06e-04
4686	133	-0.29	-7.38	-1.83	0.0	2.47e-05	4.34e-05
4686	139	-5.02	-8.56	-1.78	0.0	-2.48e-04	3.81e-04
4686	144	10.72	4.67	-1.50	0.0	6.93e-04	-6.84e-04
4686	165	-0.35	-8.29	-1.87	0.0	1.96e-05	4.91e-05
4686	171	-5.70	-9.62	-1.82	0.0	-2.88e-04	4.30e-04
4686	176	10.75	4.61	-1.49	0.0	6.90e-04	-6.80e-04
4686	197	-0.37	-8.20	-1.86	0.0	1.97e-05	5.20e-05
4686	203	-5.82	-9.54	-1.81	0.0	-2.89e-04	4.36e-04
4686	208	12.62	5.40	-1.49	0.0	7.98e-04	-7.99e-04
4686	229	-0.49	-9.52	-1.92	0.0	1.21e-05	6.39e-05
4686	235	-6.98	-11.11	-1.86	0.0	-3.54e-04	5.21e-04
4687	28	0.43	-1.16	-2.79	0.0	9.82e-05	0.0
4687	44	0.38	-1.68	-2.48	0.0	8.89e-05	0.0
4687	52	0.43	-0.32	-2.74	0.0	9.89e-05	0.0
4687	80	0.30	-0.79	-1.96	0.0	7.07e-05	0.0
4687	88	0.27	-1.13	-1.75	0.0	6.45e-05	0.0
4687	92	0.30	-0.22	-1.93	0.0	7.11e-05	0.0
4687	98	0.26	-0.18	-1.59	0.0	6.21e-05	1.10e-06
4687	105	0.25	-0.36	-1.53	0.0	6.00e-05	1.38e-06
4687	107	0.25	-0.18	-1.52	0.0	6.01e-05	1.41e-06
4687	112	9.86	4.23	-1.51	0.0	6.09e-04	-6.08e-04
4687	133	-0.27	-7.64	-1.86	0.0	2.35e-05	4.31e-05
4687	139	-5.15	-8.85	-1.82	0.0	-2.45e-04	3.80e-04
4687	144	11.08	4.78	-1.51	0.0	6.78e-04	-6.86e-04
4687	165	-0.34	-8.57	-1.91	0.0	1.89e-05	4.89e-05
4687	171	-5.85	-9.94	-1.86	0.0	-2.84e-04	4.30e-04
4687	176	11.11	4.72	-1.51	0.0	6.74e-04	-6.79e-04
4687	197	-0.36	-8.48	-1.90	0.0	1.88e-05	5.11e-05
4687	203	-5.97	-9.85	-1.85	0.0	-2.85e-04	4.34e-04
4687	208	13.04	5.54	-1.50	0.0	7.80e-04	-7.96e-04
4687	229	-0.48	-9.85	-1.96	0.0	1.17e-05	6.30e-05
4687	235	-7.16	-11.47	-1.91	0.0	-3.49e-04	5.18e-04
4688	28	0.48	-1.24	-2.81	0.0	9.40e-05	-4.55e-06
4688	44	0.42	-1.77	-2.50	0.0	8.41e-05	-2.66e-06
4688	52	0.48	-0.37	-2.76	0.0	9.46e-05	-4.35e-06
4688	80	0.34	-0.84	-1.97	0.0	6.71e-05	-2.30e-06
4688	88	0.30	-1.20	-1.77	0.0	6.05e-05	-1.04e-06
4688	92	0.34	-0.26	-1.94	0.0	6.75e-05	-2.17e-06
4688	98	0.29	-0.21	-1.60	0.0	5.79e-05	0.0
4688	105	0.28	-0.40	-1.54	0.0	5.56e-05	0.0
4688	107	0.28	-0.20	-1.53	0.0	5.57e-05	0.0
4688	112	10.17	4.32	-1.52	0.0	5.47e-04	-6.10e-04
4688	133	-0.26	-7.89	-1.89	0.0	2.67e-05	4.41e-05
4688	139	-5.28	-9.13	-1.84	0.0	-2.14e-04	3.82e-04
4688	144	11.43	4.89	-1.52	0.0	6.09e-04	-6.87e-04
4688	165	-0.33	-8.86	-1.93	0.0	2.30e-05	5.01e-05
4688	171	-6.00	-10.26	-1.88	0.0	-2.49e-04	4.31e-04
4688	176	11.46	4.83	-1.52	0.0	6.05e-04	-6.79e-04
4688	197	-0.35	-8.77	-1.92	0.0	2.27e-05	5.19e-05

4688	203	-6.11	-10.16	-1.88	0.0	-2.50e-04	4.35e-04
4688	208	13.44	5.66	-1.51	0.0	7.00e-04	-7.95e-04
4688	229	-0.48	-10.18	-1.99	0.0	1.69e-05	6.40e-05
4688	235	-7.34	-11.83	-1.93	0.0	-3.07e-04	5.18e-04
4689	28	0.52	-1.32	-2.82	0.0	9.35e-05	-1.07e-05
4689	44	0.47	-1.86	-2.52	0.0	8.21e-05	-7.69e-06
4689	52	0.53	-0.42	-2.78	0.0	9.37e-05	-1.05e-05
4689	80	0.37	-0.89	-1.98	0.0	6.57e-05	-6.35e-06
4689	88	0.33	-1.26	-1.78	0.0	5.81e-05	-4.33e-06
4689	92	0.37	-0.29	-1.95	0.0	6.58e-05	-6.22e-06
4689	98	0.32	-0.24	-1.61	0.0	5.43e-05	-2.57e-06
4689	105	0.30	-0.43	-1.55	0.0	5.18e-05	-1.92e-06
4689	107	0.30	-0.23	-1.54	0.0	5.18e-05	-1.87e-06
4689	112	10.43	4.41	-1.53	0.0	4.48e-04	-6.03e-04
4689	133	-0.24	-8.15	-1.91	0.0	3.21e-05	4.54e-05
4689	139	-5.37	-9.41	-1.86	0.0	-1.62e-04	3.78e-04
4689	144	11.71	4.99	-1.53	0.0	4.98e-04	-6.79e-04
4689	165	-0.32	-9.14	-1.95	0.0	2.95e-05	5.18e-05
4689	171	-6.11	-10.57	-1.90	0.0	-1.90e-04	4.27e-04
4689	176	11.75	4.93	-1.53	0.0	4.95e-04	-6.69e-04
4689	197	-0.34	-9.04	-1.94	0.0	2.91e-05	5.34e-05
4689	203	-6.23	-10.47	-1.89	0.0	-1.91e-04	4.28e-04
4689	208	13.77	5.78	-1.52	0.0	5.72e-04	-7.80e-04
4689	229	-0.46	-10.50	-2.01	0.0	2.49e-05	6.60e-05
4689	235	-7.48	-12.19	-1.95	0.0	-2.37e-04	5.10e-04
4690	28	0.58	-1.39	-1.97	0.0	1.10e-04	5.26e-06
4690	44	0.51	-1.95	-1.73	0.0	1.03e-04	1.49e-05
4690	52	0.59	-0.47	-1.96	0.0	1.04e-04	-8.13e-06
4690	80	0.41	-0.94	-1.37	0.0	7.79e-05	3.07e-06
4690	88	0.36	-1.31	-1.21	0.0	7.30e-05	9.51e-06
4690	92	0.42	-0.33	-1.37	0.0	7.42e-05	-5.86e-06
4690	98	0.35	-0.27	-1.12	0.0	6.29e-05	-5.15e-06
4690	105	0.33	-0.46	-1.06	0.0	6.17e-05	-2.01e-06
4690	107	0.34	-0.26	-1.06	0.0	6.05e-05	-4.98e-06
4690	112	11.90	4.49	-1.05	0.0	3.67e-04	-6.22e-04
4690	133	-0.17	-8.39	-1.18	0.0	5.86e-05	5.47e-05
4690	139	-6.16	-9.68	-1.18	0.0	-9.15e-05	3.98e-04
4690	144	13.37	5.09	-1.05	0.0	4.06e-04	-7.00e-04
4690	165	-0.24	-9.40	-1.19	0.0	5.81e-05	6.29e-05
4690	171	-7.01	-10.86	-1.19	0.0	-1.11e-04	4.50e-04
4690	176	13.45	5.02	-1.05	0.0	4.05e-04	-6.91e-04
4690	203	-7.20	-10.76	-1.19	0.0	-1.14e-04	4.53e-04
4690	208	15.80	5.89	-1.04	0.0	4.66e-04	-8.07e-04
4690	235	-8.68	-12.52	-1.21	0.0	-1.48e-04	5.41e-04
4691	28	0.64	-1.46	-1.99	0.0	1.12e-04	-1.91e-06
4691	44	0.56	-2.02	-1.75	0.0	1.06e-04	3.81e-06
4691	52	0.65	-0.52	-1.98	0.0	1.05e-04	-9.60e-06
4691	80	0.45	-0.99	-1.39	0.0	7.94e-05	-1.92e-06
4691	88	0.40	-1.37	-1.23	0.0	7.56e-05	1.90e-06
4691	92	0.46	-0.36	-1.38	0.0	7.43e-05	-7.04e-06
4691	98	0.38	-0.30	-1.13	0.0	6.30e-05	-6.43e-06
4691	105	0.37	-0.49	-1.07	0.0	6.23e-05	-4.59e-06
4691	107	0.37	-0.28	-1.07	0.0	6.06e-05	-6.29e-06
4691	112	12.05	4.57	-1.06	0.0	3.09e-04	-6.28e-04
4691	133	-0.14	-8.62	-1.19	0.0	6.35e-05	5.23e-05
4691	139	-6.19	-9.93	-1.19	0.0	-5.57e-05	3.97e-04
4691	144	13.54	5.18	-1.06	0.0	3.41e-04	-7.07e-04
4691	165	-0.21	-9.66	-1.20	0.0	6.37e-05	6.03e-05
4691	171	-7.05	-11.14	-1.20	0.0	-7.08e-05	4.49e-04
4691	176	13.62	5.10	-1.06	0.0	3.40e-04	-6.98e-04
4691	203	-7.24	-11.04	-1.20	0.0	-7.32e-05	4.52e-04
4691	208	16.00	6.00	-1.05	0.0	3.89e-04	-8.14e-04
4691	235	-8.73	-12.84	-1.22	0.0	-9.94e-05	5.40e-04
4692	28	0.69	-1.53	-2.02	0.0	1.13e-04	-9.48e-06
4692	44	0.61	-2.10	-1.78	0.0	1.08e-04	-8.00e-06
4692	52	0.70	-0.57	-2.01	0.0	1.05e-04	-1.10e-05
4692	80	0.49	-1.04	-1.41	0.0	8.02e-05	-7.17e-06
4692	88	0.44	-1.42	-1.25	0.0	7.68e-05	-6.19e-06
4692	92	0.49	-0.40	-1.41	0.0	7.44e-05	-8.18e-06
4692	98	0.41	-0.33	-1.14	0.0	6.31e-05	-7.67e-06
4692	105	0.40	-0.53	-1.09	0.0	6.26e-05	-7.23e-06
4692	107	0.40	-0.31	-1.09	0.0	6.07e-05	-7.57e-06
4692	112	12.19	4.63	-1.08	0.0	2.87e-04	-6.34e-04
4692	133	-0.11	-8.85	-1.20	0.0	6.51e-05	4.93e-05
4692	139	-6.21	-10.18	-1.20	0.0	-4.23e-05	3.95e-04

4692	144	13.69	5.25	-1.07	0.0	3.16e-04	-7.14e-04
4692	165	-0.18	-9.91	-1.22	0.0	6.54e-05	5.71e-05
4692	171	-7.07	-11.42	-1.22	0.0	-5.57e-05	4.47e-04
4692	176	13.77	5.18	-1.07	0.0	3.15e-04	-7.04e-04
4692	203	-7.26	-11.32	-1.21	0.0	-5.79e-05	4.50e-04
4692	208	16.17	6.09	-1.07	0.0	3.59e-04	-8.22e-04
4692	235	-8.76	-13.16	-1.24	0.0	-8.11e-05	5.38e-04
4693	28	0.58	-1.39	-2.26	0.0	1.04e-04	0.0
4693	44	0.51	-1.95	-1.99	0.0	9.46e-05	7.05e-06
4693	52	0.59	-0.47	-2.24	0.0	1.03e-04	-6.74e-06
4693	80	0.41	-0.94	-1.58	0.0	7.39e-05	0.0
4693	88	0.37	-1.31	-1.40	0.0	6.74e-05	4.50e-06
4693	92	0.42	-0.33	-1.57	0.0	7.27e-05	-4.69e-06
4693	98	0.35	-0.27	-1.28	0.0	6.14e-05	-3.83e-06
4693	105	0.33	-0.46	-1.22	0.0	5.93e-05	-1.91e-06
4693	107	0.33	-0.26	-1.22	0.0	5.89e-05	-3.63e-06
4693	112	11.63	4.49	-1.20	0.0	3.62e-04	-6.27e-04
4693	133	-0.18	-8.39	-1.39	0.0	5.66e-05	5.45e-05
4693	139	-6.01	-9.68	-1.38	0.0	-9.24e-05	4.01e-04
4693	144	13.07	5.09	-1.20	0.0	4.00e-04	-7.06e-04
4693	165	-0.25	-9.40	-1.41	0.0	5.61e-05	6.25e-05
4693	171	-6.84	-10.86	-1.40	0.0	-1.12e-04	4.53e-04
4693	176	13.14	5.02	-1.19	0.0	3.99e-04	-6.96e-04
4693	197	-0.29	-9.31	-1.41	0.0	5.48e-05	6.57e-05
4693	203	-7.01	-10.76	-1.39	0.0	-1.15e-04	4.57e-04
4693	208	15.43	5.89	-1.19	0.0	4.59e-04	-8.14e-04
4693	229	-0.43	-10.79	-1.44	0.0	5.31e-05	8.17e-05
4693	235	-8.45	-12.52	-1.42	0.0	-1.49e-04	5.45e-04
4694	28	0.64	-1.46	-2.28	0.0	1.05e-04	-4.34e-06
4694	44	0.56	-2.02	-2.00	0.0	9.56e-05	0.0
4694	52	0.64	-0.52	-2.26	0.0	1.02e-04	-8.79e-06
4694	80	0.45	-0.99	-1.59	0.0	7.43e-05	-3.39e-06
4694	88	0.40	-1.37	-1.41	0.0	6.80e-05	0.0
4694	92	0.45	-0.36	-1.58	0.0	7.26e-05	-6.36e-06
4694	98	0.38	-0.30	-1.29	0.0	6.11e-05	-5.65e-06
4694	105	0.36	-0.49	-1.23	0.0	5.92e-05	-4.50e-06
4694	107	0.36	-0.28	-1.23	0.0	5.87e-05	-5.49e-06
4694	112	11.79	4.57	-1.21	0.0	3.05e-04	-6.32e-04
4694	133	-0.15	-8.62	-1.40	0.0	6.12e-05	5.22e-05
4694	139	-6.05	-9.93	-1.38	0.0	-5.80e-05	3.99e-04
4694	144	13.25	5.18	-1.21	0.0	3.36e-04	-7.11e-04
4694	165	-0.22	-9.66	-1.42	0.0	6.13e-05	6.01e-05
4694	171	-6.88	-11.14	-1.40	0.0	-7.31e-05	4.51e-04
4694	176	13.32	5.10	-1.20	0.0	3.35e-04	-7.02e-04
4694	197	-0.26	-9.56	-1.42	0.0	6.00e-05	6.31e-05
4694	203	-7.06	-11.04	-1.40	0.0	-7.55e-05	4.55e-04
4694	208	15.63	6.00	-1.20	0.0	3.83e-04	-8.20e-04
4694	229	-0.40	-11.09	-1.45	0.0	5.92e-05	7.89e-05
4694	235	-8.51	-12.84	-1.43	0.0	-1.02e-04	5.43e-04
4695	28	0.69	-1.53	-2.31	0.0	1.05e-04	-9.82e-06
4695	44	0.61	-2.11	-2.04	0.0	9.60e-05	-8.71e-06
4695	52	0.69	-0.57	-2.29	0.0	1.02e-04	-1.08e-05
4695	80	0.49	-1.04	-1.62	0.0	7.44e-05	-7.36e-06
4695	88	0.43	-1.42	-1.43	0.0	6.83e-05	-6.62e-06
4695	92	0.49	-0.40	-1.61	0.0	7.25e-05	-8.00e-06
4695	98	0.41	-0.33	-1.31	0.0	6.10e-05	-7.45e-06
4695	105	0.39	-0.53	-1.25	0.0	5.92e-05	-7.13e-06
4695	107	0.39	-0.31	-1.25	0.0	5.86e-05	-7.34e-06
4695	112	11.92	4.63	-1.23	0.0	2.83e-04	-6.35e-04
4695	133	-0.12	-8.85	-1.42	0.0	6.24e-05	4.94e-05
4695	139	-6.06	-10.18	-1.40	0.0	-4.55e-05	3.96e-04
4695	144	13.39	5.25	-1.22	0.0	3.12e-04	-7.15e-04
4695	165	-0.19	-9.91	-1.44	0.0	6.26e-05	5.72e-05
4695	171	-6.90	-11.42	-1.42	0.0	-5.91e-05	4.48e-04
4695	176	13.46	5.18	-1.22	0.0	3.10e-04	-7.05e-04
4695	197	-0.23	-9.81	-1.44	0.0	6.14e-05	6.01e-05
4695	203	-7.08	-11.31	-1.42	0.0	-6.12e-05	4.51e-04
4695	208	15.80	6.09	-1.22	0.0	3.55e-04	-8.23e-04
4695	229	-0.37	-11.37	-1.47	0.0	6.09e-05	7.56e-05
4695	235	-8.54	-13.15	-1.45	0.0	-8.48e-05	5.39e-04
4696	28	0.58	-1.39	-2.54	0.0	1.00e-04	-2.49e-06
4696	44	0.51	-1.95	-2.24	0.0	8.89e-05	1.08e-06
4696	52	0.59	-0.47	-2.52	0.0	1.00e-04	-6.02e-06
4696	80	0.41	-0.94	-1.78	0.0	7.08e-05	-1.63e-06
4696	88	0.37	-1.31	-1.58	0.0	6.33e-05	0.0

4696	92	0.41	-0.33	-1.76	0.0	7.08e-05	-3.98e-06
4696	98	0.35	-0.27	-1.44	0.0	5.93e-05	-2.85e-06
4696	105	0.33	-0.46	-1.38	0.0	5.68e-05	-1.80e-06
4696	107	0.33	-0.26	-1.37	0.0	5.68e-05	-2.58e-06
4696	112	11.37	4.49	-1.35	0.0	3.60e-04	-6.30e-04
4696	133	-0.19	-8.39	-1.59	0.0	5.37e-05	5.39e-05
4696	139	-5.87	-9.68	-1.57	0.0	-9.61e-05	4.02e-04
4696	144	12.78	5.09	-1.35	0.0	3.99e-04	-7.10e-04
4696	165	-0.27	-9.40	-1.62	0.0	5.31e-05	6.17e-05
4696	171	-6.67	-10.86	-1.59	0.0	-1.16e-04	4.55e-04
4696	176	12.84	5.02	-1.34	0.0	3.97e-04	-7.01e-04
4696	197	-0.30	-9.31	-1.61	0.0	5.18e-05	6.48e-05
4696	203	-6.83	-10.76	-1.59	0.0	-1.19e-04	4.59e-04
4696	208	15.07	5.89	-1.34	0.0	4.57e-04	-8.19e-04
4696	229	-0.43	-10.79	-1.65	0.0	5.00e-05	8.04e-05
4696	235	-8.23	-12.52	-1.63	0.0	-1.53e-04	5.47e-04
4697	28	0.63	-1.46	-2.56	0.0	9.97e-05	-6.35e-06
4697	44	0.56	-2.02	-2.25	0.0	8.83e-05	-4.09e-06
4697	52	0.64	-0.52	-2.53	0.0	9.96e-05	-8.42e-06
4697	80	0.45	-0.99	-1.79	0.0	7.03e-05	-4.61e-06
4697	88	0.40	-1.37	-1.59	0.0	6.28e-05	-3.10e-06
4697	92	0.45	-0.36	-1.77	0.0	7.03e-05	-5.99e-06
4697	98	0.38	-0.30	-1.45	0.0	5.87e-05	-5.11e-06
4697	105	0.36	-0.49	-1.39	0.0	5.61e-05	-4.45e-06
4697	107	0.36	-0.28	-1.38	0.0	5.61e-05	-4.91e-06
4697	112	11.53	4.57	-1.36	0.0	3.03e-04	-6.34e-04
4697	133	-0.16	-8.62	-1.60	0.0	5.77e-05	5.18e-05
4697	139	-5.90	-9.93	-1.58	0.0	-6.33e-05	4.00e-04
4697	144	12.95	5.18	-1.35	0.0	3.35e-04	-7.13e-04
4697	165	-0.24	-9.66	-1.62	0.0	5.77e-05	5.96e-05
4697	171	-6.72	-11.15	-1.60	0.0	-7.88e-05	4.52e-04
4697	176	13.01	5.11	-1.35	0.0	3.34e-04	-7.04e-04
4697	197	-0.27	-9.56	-1.62	0.0	5.64e-05	6.27e-05
4697	203	-6.88	-11.04	-1.60	0.0	-8.12e-05	4.56e-04
4697	208	15.27	6.00	-1.35	0.0	3.82e-04	-8.22e-04
4697	229	-0.41	-11.09	-1.66	0.0	5.55e-05	7.83e-05
4697	235	-8.29	-12.84	-1.63	0.0	-1.08e-04	5.44e-04
4698	28	0.68	-1.53	-2.59	0.0	9.95e-05	-1.02e-05
4698	44	0.60	-2.11	-2.29	0.0	8.80e-05	-9.37e-06
4698	52	0.69	-0.57	-2.57	0.0	9.95e-05	-1.07e-05
4698	80	0.48	-1.04	-1.81	0.0	7.01e-05	-7.61e-06
4698	88	0.43	-1.42	-1.61	0.0	6.25e-05	-7.04e-06
4698	92	0.48	-0.40	-1.80	0.0	7.01e-05	-7.95e-06
4698	98	0.41	-0.33	-1.47	0.0	5.84e-05	-7.37e-06
4698	105	0.39	-0.53	-1.40	0.0	5.58e-05	-7.14e-06
4698	107	0.39	-0.31	-1.40	0.0	5.58e-05	-7.25e-06
4698	112	11.66	4.63	-1.37	0.0	2.82e-04	-6.36e-04
4698	133	-0.13	-8.85	-1.61	0.0	5.86e-05	4.94e-05
4698	139	-5.92	-10.18	-1.59	0.0	-5.16e-05	3.96e-04
4698	144	13.10	5.25	-1.37	0.0	3.11e-04	-7.15e-04
4698	165	-0.20	-9.91	-1.64	0.0	5.87e-05	5.71e-05
4698	171	-6.74	-11.42	-1.62	0.0	-6.55e-05	4.48e-04
4698	176	13.16	5.18	-1.37	0.0	3.09e-04	-7.06e-04
4698	197	-0.24	-9.81	-1.64	0.0	5.75e-05	6.01e-05
4698	203	-6.90	-11.31	-1.61	0.0	-6.77e-05	4.52e-04
4698	208	15.44	6.08	-1.36	0.0	3.54e-04	-8.24e-04
4698	229	-0.37	-11.37	-1.67	0.0	5.67e-05	7.55e-05
4698	235	-8.33	-13.15	-1.65	0.0	-9.20e-05	5.39e-04
4699	28	0.58	-1.39	-2.74	0.0	9.69e-05	-5.26e-06
4699	44	0.51	-1.94	-2.42	0.0	8.50e-05	-3.10e-06
4699	52	0.58	-0.47	-2.71	0.0	9.74e-05	-6.12e-06
4699	80	0.41	-0.94	-1.92	0.0	6.82e-05	-3.29e-06
4699	88	0.37	-1.31	-1.70	0.0	6.02e-05	-1.85e-06
4699	92	0.41	-0.33	-1.90	0.0	6.85e-05	-3.86e-06
4699	98	0.35	-0.27	-1.56	0.0	5.68e-05	-2.37e-06
4699	105	0.33	-0.46	-1.49	0.0	5.42e-05	-1.82e-06
4699	107	0.33	-0.26	-1.48	0.0	5.43e-05	-2.01e-06
4699	112	11.12	4.49	-1.46	0.0	3.62e-04	-6.31e-04
4699	133	-0.20	-8.39	-1.73	0.0	4.96e-05	5.24e-05
4699	139	-5.72	-9.68	-1.70	0.0	-1.03e-04	4.01e-04
4699	144	12.49	5.09	-1.46	0.0	4.00e-04	-7.11e-04
4699	165	-0.28	-9.40	-1.76	0.0	4.88e-05	6.00e-05
4699	171	-6.51	-10.86	-1.73	0.0	-1.23e-04	4.53e-04
4699	176	12.54	5.02	-1.46	0.0	3.99e-04	-7.02e-04
4699	197	-0.31	-9.31	-1.75	0.0	4.77e-05	6.29e-05

4699	203	-6.65	-10.76	-1.73	0.0	-1.25e-04	4.57e-04
4699	208	14.72	5.89	-1.45	0.0	4.59e-04	-8.20e-04
4699	229	-0.44	-10.79	-1.80	0.0	4.57e-05	7.80e-05
4699	235	-8.01	-12.52	-1.77	0.0	-1.60e-04	5.45e-04
4700	28	0.63	-1.46	-2.75	0.0	9.60e-05	-7.78e-06
4700	44	0.56	-2.03	-2.43	0.0	8.36e-05	-6.33e-06
4700	52	0.63	-0.52	-2.72	0.0	9.66e-05	-8.34e-06
4700	80	0.44	-0.99	-1.93	0.0	6.73e-05	-5.47e-06
4700	88	0.40	-1.37	-1.71	0.0	5.91e-05	-4.51e-06
4700	92	0.45	-0.36	-1.91	0.0	6.77e-05	-5.85e-06
4700	98	0.37	-0.30	-1.56	0.0	5.57e-05	-4.86e-06
4700	105	0.36	-0.49	-1.50	0.0	5.29e-05	-4.50e-06
4700	107	0.36	-0.28	-1.49	0.0	5.30e-05	-4.62e-06
4700	112	11.27	4.57	-1.47	0.0	3.04e-04	-6.35e-04
4700	133	-0.18	-8.62	-1.74	0.0	5.32e-05	5.10e-05
4700	139	-5.76	-9.93	-1.71	0.0	-7.08e-05	3.99e-04
4700	144	12.66	5.18	-1.47	0.0	3.36e-04	-7.14e-04
4700	165	-0.25	-9.66	-1.77	0.0	5.30e-05	5.86e-05
4700	171	-6.55	-11.15	-1.74	0.0	-8.68e-05	4.52e-04
4700	176	12.71	5.11	-1.46	0.0	3.34e-04	-7.05e-04
4700	197	-0.28	-9.56	-1.76	0.0	5.18e-05	6.16e-05
4700	203	-6.70	-11.05	-1.73	0.0	-8.91e-05	4.55e-04
4700	208	14.91	6.00	-1.46	0.0	3.84e-04	-8.24e-04
4700	229	-0.41	-11.09	-1.81	0.0	5.06e-05	7.69e-05
4700	235	-8.07	-12.85	-1.78	0.0	-1.17e-04	5.43e-04
4701	28	0.68	-1.53	-2.79	0.0	9.56e-05	-1.05e-05
4701	44	0.60	-2.11	-2.47	0.0	8.30e-05	-9.84e-06
4701	52	0.68	-0.57	-2.76	0.0	9.64e-05	-1.08e-05
4701	80	0.48	-1.04	-1.95	0.0	6.69e-05	-7.81e-06
4701	88	0.42	-1.42	-1.74	0.0	5.85e-05	-7.35e-06
4701	92	0.48	-0.40	-1.93	0.0	6.74e-05	-7.97e-06
4701	98	0.40	-0.33	-1.58	0.0	5.51e-05	-7.39e-06
4701	105	0.38	-0.53	-1.51	0.0	5.23e-05	-7.22e-06
4701	107	0.38	-0.31	-1.51	0.0	5.25e-05	-7.27e-06
4701	112	11.40	4.63	-1.49	0.0	2.82e-04	-6.37e-04
4701	133	-0.15	-8.85	-1.75	0.0	5.39e-05	4.92e-05
4701	139	-5.78	-10.18	-1.73	0.0	-5.92e-05	3.96e-04
4701	144	12.81	5.25	-1.48	0.0	3.11e-04	-7.16e-04
4701	165	-0.22	-9.91	-1.78	0.0	5.38e-05	5.69e-05
4701	171	-6.58	-11.42	-1.75	0.0	-7.37e-05	4.48e-04
4701	176	12.86	5.17	-1.48	0.0	3.09e-04	-7.07e-04
4701	197	-0.25	-9.81	-1.78	0.0	5.26e-05	5.99e-05
4701	203	-6.73	-11.31	-1.75	0.0	-7.59e-05	4.52e-04
4701	208	15.08	6.08	-1.48	0.0	3.54e-04	-8.25e-04
4701	229	-0.38	-11.37	-1.82	0.0	5.16e-05	7.53e-05
4701	235	-8.11	-13.15	-1.79	0.0	-1.01e-04	5.40e-04
4702	28	0.58	-1.39	-2.82	0.0	9.45e-05	-7.61e-06
4702	44	0.51	-1.94	-2.50	0.0	8.23e-05	-5.93e-06
4702	52	0.58	-0.47	-2.78	0.0	9.49e-05	-7.26e-06
4702	80	0.41	-0.94	-1.98	0.0	6.61e-05	-4.77e-06
4702	88	0.36	-1.31	-1.76	0.0	5.79e-05	-3.65e-06
4702	92	0.41	-0.33	-1.95	0.0	6.63e-05	-4.54e-06
4702	98	0.34	-0.27	-1.61	0.0	5.42e-05	-2.67e-06
4702	105	0.33	-0.46	-1.54	0.0	5.14e-05	-2.33e-06
4702	107	0.33	-0.26	-1.53	0.0	5.15e-05	-2.25e-06
4702	112	10.86	4.49	-1.52	0.0	3.63e-04	-6.29e-04
4702	133	-0.22	-8.39	-1.82	0.0	4.42e-05	4.95e-05
4702	139	-5.58	-9.68	-1.78	0.0	-1.10e-04	3.96e-04
4702	144	12.20	5.09	-1.52	0.0	4.03e-04	-7.09e-04
4702	165	-0.29	-9.40	-1.85	0.0	4.31e-05	5.66e-05
4702	171	-6.35	-10.86	-1.81	0.0	-1.31e-04	4.48e-04
4702	176	12.25	5.02	-1.51	0.0	4.01e-04	-6.99e-04
4702	197	-0.31	-9.31	-1.84	0.0	4.22e-05	5.93e-05
4702	203	-6.48	-10.76	-1.81	0.0	-1.33e-04	4.51e-04
4702	208	14.36	5.89	-1.51	0.0	4.62e-04	-8.17e-04
4702	229	-0.44	-10.80	-1.89	0.0	3.99e-05	7.36e-05
4702	235	-7.79	-12.52	-1.85	0.0	-1.69e-04	5.38e-04
4703	28	0.62	-1.46	-2.84	0.0	9.35e-05	-8.21e-06
4703	44	0.55	-2.03	-2.52	0.0	8.06e-05	-7.12e-06
4703	52	0.63	-0.52	-2.80	0.0	9.38e-05	-8.13e-06
4703	80	0.44	-0.99	-1.99	0.0	6.50e-05	-5.78e-06
4703	88	0.39	-1.37	-1.78	0.0	5.64e-05	-5.05e-06
4703	92	0.44	-0.36	-1.96	0.0	6.52e-05	-5.73e-06
4703	98	0.37	-0.30	-1.62	0.0	5.25e-05	-4.96e-06
4703	105	0.36	-0.49	-1.55	0.0	4.96e-05	-4.73e-06

4703	107	0.36	-0.28	-1.54	0.0	4.97e-05	-4.71e-06
4703	112	11.02	4.57	-1.53	0.0	3.03e-04	-6.36e-04
4703	133	-0.19	-8.62	-1.83	0.0	4.75e-05	4.91e-05
4703	139	-5.62	-9.94	-1.79	0.0	-7.84e-05	3.98e-04
4703	144	12.38	5.18	-1.52	0.0	3.35e-04	-7.16e-04
4703	165	-0.27	-9.66	-1.86	0.0	4.71e-05	5.65e-05
4703	171	-6.40	-11.15	-1.82	0.0	-9.50e-05	4.50e-04
4703	176	12.42	5.11	-1.52	0.0	3.34e-04	-7.06e-04
4703	197	-0.29	-9.56	-1.85	0.0	4.60e-05	5.94e-05
4703	203	-6.53	-11.05	-1.82	0.0	-9.71e-05	4.53e-04
4703	208	14.56	6.00	-1.52	0.0	3.83e-04	-8.25e-04
4703	229	-0.42	-11.09	-1.90	0.0	4.45e-05	7.42e-05
4703	235	-7.86	-12.85	-1.86	0.0	-1.25e-04	5.41e-04
4704	28	0.67	-1.53	-2.87	0.0	9.29e-05	-1.07e-05
4704	44	0.59	-2.11	-2.55	0.0	7.97e-05	-1.01e-05
4704	52	0.67	-0.57	-2.83	0.0	9.33e-05	-1.08e-05
4704	80	0.47	-1.04	-2.01	0.0	6.44e-05	-7.97e-06
4704	88	0.42	-1.42	-1.80	0.0	5.56e-05	-7.57e-06
4704	92	0.47	-0.40	-1.99	0.0	6.47e-05	-8.05e-06
4704	98	0.40	-0.33	-1.63	0.0	5.18e-05	-7.54e-06
4704	105	0.38	-0.53	-1.56	0.0	4.88e-05	-7.40e-06
4704	107	0.38	-0.31	-1.56	0.0	4.89e-05	-7.43e-06
4704	112	11.15	4.63	-1.54	0.0	2.80e-04	-6.38e-04
4704	133	-0.17	-8.85	-1.84	0.0	4.81e-05	4.88e-05
4704	139	-5.65	-10.18	-1.81	0.0	-6.70e-05	3.96e-04
4704	144	12.52	5.25	-1.54	0.0	3.10e-04	-7.18e-04
4704	165	-0.24	-9.91	-1.88	0.0	4.79e-05	5.65e-05
4704	171	-6.43	-11.42	-1.84	0.0	-8.21e-05	4.49e-04
4704	176	12.57	5.17	-1.54	0.0	3.08e-04	-7.08e-04
4704	197	-0.27	-9.81	-1.87	0.0	4.68e-05	5.94e-05
4704	203	-6.57	-11.31	-1.84	0.0	-8.41e-05	4.52e-04
4704	208	14.73	6.08	-1.53	0.0	3.54e-04	-8.27e-04
4704	229	-0.40	-11.37	-1.92	0.0	4.56e-05	7.48e-05
4704	235	-7.91	-13.15	-1.88	0.0	-1.10e-04	5.40e-04
4705	28	0.57	-1.39	-2.84	0.0	9.40e-05	-9.83e-06
4705	44	0.51	-1.94	-2.53	0.0	8.12e-05	-8.00e-06
4705	52	0.57	-0.47	-2.79	0.0	9.39e-05	-9.71e-06
4705	80	0.41	-0.94	-1.99	0.0	6.51e-05	-6.44e-06
4705	88	0.36	-1.31	-1.79	0.0	5.66e-05	-5.22e-06
4705	92	0.41	-0.33	-1.96	0.0	6.50e-05	-6.36e-06
4705	98	0.34	-0.27	-1.62	0.0	5.17e-05	-4.26e-06
4705	105	0.33	-0.46	-1.56	0.0	4.89e-05	-3.87e-06
4705	107	0.33	-0.26	-1.55	0.0	4.89e-05	-3.84e-06
4705	112	10.62	4.49	-1.54	0.0	3.57e-04	-6.29e-04
4705	133	-0.23	-8.39	-1.92	0.0	3.69e-05	4.38e-05
4705	139	-5.44	-9.68	-1.87	0.0	-1.15e-04	3.89e-04
4705	144	11.93	5.09	-1.54	0.0	3.96e-04	-7.08e-04
4705	165	-0.30	-9.40	-1.97	0.0	3.53e-05	5.04e-05
4705	171	-6.19	-10.86	-1.91	0.0	-1.37e-04	4.40e-04
4705	176	11.96	5.02	-1.53	0.0	3.94e-04	-6.99e-04
4705	197	-0.32	-9.31	-1.96	0.0	3.47e-05	5.25e-05
4705	203	-6.31	-10.76	-1.91	0.0	-1.38e-04	4.43e-04
4705	208	14.02	5.89	-1.53	0.0	4.54e-04	-8.17e-04
4705	229	-0.45	-10.80	-2.03	0.0	3.19e-05	6.57e-05
4705	235	-7.58	-12.52	-1.97	0.0	-1.73e-04	5.29e-04
4706	28	0.62	-1.46	-2.85	0.0	9.21e-05	-7.19e-06
4706	44	0.55	-2.03	-2.55	0.0	7.86e-05	-6.15e-06
4706	52	0.62	-0.52	-2.81	0.0	9.19e-05	-7.29e-06
4706	80	0.44	-0.99	-2.01	0.0	6.33e-05	-5.32e-06
4706	88	0.39	-1.37	-1.80	0.0	5.44e-05	-4.62e-06
4706	92	0.44	-0.36	-1.97	0.0	6.32e-05	-5.38e-06
4706	98	0.37	-0.30	-1.63	0.0	4.97e-05	-5.52e-06
4706	105	0.35	-0.49	-1.57	0.0	4.67e-05	-5.29e-06
4706	107	0.35	-0.28	-1.56	0.0	4.66e-05	-5.31e-06
4706	112	10.77	4.57	-1.55	0.0	2.99e-04	-6.34e-04
4706	133	-0.21	-8.62	-1.93	0.0	3.96e-05	4.65e-05
4706	139	-5.48	-9.94	-1.88	0.0	-8.55e-05	3.94e-04
4706	144	12.10	5.18	-1.55	0.0	3.30e-04	-7.14e-04
4706	165	-0.28	-9.66	-1.98	0.0	3.86e-05	5.37e-05
4706	171	-6.24	-11.15	-1.92	0.0	-1.03e-04	4.45e-04
4706	176	12.13	5.11	-1.55	0.0	3.29e-04	-7.05e-04
4706	197	-0.30	-9.56	-1.97	0.0	3.79e-05	5.62e-05
4706	203	-6.36	-11.05	-1.92	0.0	-1.04e-04	4.48e-04
4706	208	14.21	6.01	-1.54	0.0	3.78e-04	-8.23e-04
4706	229	-0.43	-11.09	-2.04	0.0	3.59e-05	7.05e-05

4706	235	-7.65	-12.85	-1.98	0.0	-1.33e-04	5.35e-04
4707	28	0.66	-1.53	-2.88	0.0	9.01e-05	-1.19e-05
4707	44	0.58	-2.11	-2.58	0.0	7.64e-05	-1.13e-05
4707	52	0.67	-0.57	-2.83	0.0	9.00e-05	-1.20e-05
4707	80	0.47	-1.04	-2.02	0.0	6.19e-05	-8.83e-06
4707	88	0.42	-1.42	-1.82	0.0	5.27e-05	-8.43e-06
4707	92	0.47	-0.40	-1.99	0.0	6.18e-05	-8.92e-06
4707	98	0.39	-0.33	-1.64	0.0	4.86e-05	-8.24e-06
4707	105	0.37	-0.53	-1.58	0.0	4.56e-05	-8.10e-06
4707	107	0.38	-0.31	-1.57	0.0	4.55e-05	-8.13e-06
4707	112	10.91	4.63	-1.57	0.0	2.80e-04	-6.40e-04
4707	133	-0.19	-8.85	-1.95	0.0	4.00e-05	4.80e-05
4707	139	-5.52	-10.18	-1.90	0.0	-7.68e-05	3.97e-04
4707	144	12.24	5.25	-1.57	0.0	3.10e-04	-7.20e-04
4707	165	-0.26	-9.91	-1.99	0.0	3.92e-05	5.57e-05
4707	171	-6.28	-11.42	-1.94	0.0	-9.26e-05	4.49e-04
4707	176	12.28	5.17	-1.56	0.0	3.08e-04	-7.11e-04
4707	197	-0.28	-9.81	-1.99	0.0	3.85e-05	5.87e-05
4707	203	-6.40	-11.31	-1.93	0.0	-9.42e-05	4.53e-04
4707	208	14.38	6.08	-1.56	0.0	3.54e-04	-8.30e-04
4707	229	-0.41	-11.38	-2.05	0.0	3.67e-05	7.42e-05
4707	235	-7.71	-13.15	-1.99	0.0	-1.21e-04	5.41e-04
4708	4	0.35	0.46	-1.27	0.0	1.11e-04	-1.46e-05
4708	44	0.30	-1.64	-1.07	0.0	9.28e-05	-1.22e-05
4708	68	0.24	0.29	-0.88	0.0	7.72e-05	-1.02e-05
4708	88	0.21	-1.11	-0.75	0.0	6.52e-05	-8.60e-06
4708	98	0.20	-0.20	-0.71	0.0	6.18e-05	-8.88e-06
4708	105	0.19	-0.37	-0.67	0.0	5.84e-05	-8.27e-06
4708	107	0.19	-0.19	-0.68	0.0	5.87e-05	-8.39e-06
4708	108	6.37	3.93	-0.78	0.0	5.59e-04	-4.18e-04
4708	112	8.00	4.09	-0.77	0.0	4.47e-04	-5.41e-04
4708	139	-4.24	-8.56	-0.63	0.0	1.37e-04	3.52e-04
4708	140	7.15	4.45	-0.79	0.0	6.22e-04	-4.69e-04
4708	144	8.99	4.63	-0.78	0.0	4.96e-04	-6.08e-04
4708	171	-4.81	-9.62	-0.62	0.0	1.47e-04	3.97e-04
4708	172	7.10	4.37	-0.79	0.0	6.11e-04	-4.55e-04
4708	176	8.93	4.57	-0.78	0.0	4.88e-04	-5.92e-04
4708	203	-4.81	-9.53	-0.62	0.0	1.45e-04	3.95e-04
4708	204	8.29	5.12	-0.81	0.0	7.02e-04	-5.25e-04
4708	208	10.43	5.36	-0.80	0.0	5.59e-04	-6.86e-04
4708	235	-5.72	-11.10	-0.61	0.0	1.56e-04	4.69e-04
4709	4	0.41	0.47	-1.28	0.0	1.06e-04	-2.28e-05
4709	44	0.35	-1.71	-1.08	0.0	8.94e-05	-1.94e-05
4709	68	0.28	0.30	-0.89	0.0	7.38e-05	-1.61e-05
4709	88	0.25	-1.15	-0.76	0.0	6.29e-05	-1.38e-05
4709	98	0.23	-0.21	-0.72	0.0	5.92e-05	-1.37e-05
4709	105	0.22	-0.38	-0.68	0.0	5.60e-05	-1.29e-05
4709	107	0.22	-0.20	-0.68	0.0	5.63e-05	-1.30e-05
4709	108	6.60	4.04	-0.79	0.0	5.62e-04	-4.40e-04
4709	112	8.30	4.21	-0.78	0.0	4.49e-04	-5.68e-04
4709	139	-4.36	-8.86	-0.62	0.0	1.36e-04	3.63e-04
4709	140	7.41	4.57	-0.81	0.0	6.26e-04	-4.94e-04
4709	144	9.32	4.76	-0.79	0.0	4.99e-04	-6.38e-04
4709	171	-4.94	-9.95	-0.62	0.0	1.46e-04	4.11e-04
4709	172	7.36	4.49	-0.81	0.0	6.15e-04	-4.79e-04
4709	176	9.25	4.70	-0.79	0.0	4.90e-04	-6.21e-04
4709	203	-4.94	-9.86	-0.62	0.0	1.44e-04	4.09e-04
4709	204	8.58	5.26	-0.83	0.0	7.07e-04	-5.53e-04
4709	208	10.80	5.51	-0.81	0.0	5.62e-04	-7.20e-04
4709	235	-5.88	-11.48	-0.60	0.0	1.55e-04	4.87e-04
4710	4	0.46	0.46	-1.29	0.0	9.35e-05	-3.59e-05
4710	44	0.40	-1.79	-1.08	0.0	8.00e-05	-3.04e-05
4710	68	0.32	0.30	-0.90	0.0	6.53e-05	-2.53e-05
4710	88	0.28	-1.21	-0.76	0.0	5.63e-05	-2.16e-05
4710	98	0.27	-0.23	-0.72	0.0	5.26e-05	-2.10e-05
4710	105	0.25	-0.41	-0.68	0.0	4.99e-05	-1.99e-05
4710	107	0.25	-0.22	-0.69	0.0	5.01e-05	-2.01e-05
4710	108	6.84	4.13	-0.80	0.0	5.24e-04	-4.62e-04
4710	112	8.59	4.30	-0.79	0.0	4.18e-04	-5.93e-04
4710	139	-4.48	-9.15	-0.62	0.0	1.25e-04	3.69e-04
4710	140	7.67	4.68	-0.81	0.0	5.84e-04	-5.17e-04
4710	144	9.64	4.87	-0.80	0.0	4.64e-04	-6.66e-04
4710	171	-5.08	-10.27	-0.61	0.0	1.34e-04	4.19e-04
4710	172	7.62	4.59	-0.81	0.0	5.74e-04	-5.03e-04
4710	176	9.57	4.81	-0.80	0.0	4.57e-04	-6.49e-04

4710	203	-5.08	-10.18	-0.61	0.0	1.32e-04	4.17e-04
4710	204	8.88	5.38	-0.84	0.0	6.60e-04	-5.79e-04
4710	208	11.16	5.64	-0.82	0.0	5.24e-04	-7.51e-04
4710	235	-6.04	-11.84	-0.60	0.0	1.42e-04	4.98e-04
4711	4	0.51	0.45	-1.29	0.0	6.96e-05	-4.99e-05
4711	44	0.44	-1.87	-1.09	0.0	6.08e-05	-4.21e-05
4711	68	0.35	0.29	-0.90	0.0	4.87e-05	-3.51e-05
4711	88	0.31	-1.26	-0.77	0.0	4.29e-05	-2.99e-05
4711	98	0.29	-0.25	-0.73	0.0	3.96e-05	-2.89e-05
4711	105	0.28	-0.44	-0.69	0.0	3.77e-05	-2.74e-05
4711	107	0.28	-0.24	-0.69	0.0	3.77e-05	-2.76e-05
4711	108	7.04	4.22	-0.81	0.0	4.47e-04	-4.88e-04
4711	112	8.84	4.40	-0.79	0.0	3.55e-04	-6.21e-04
4711	139	-4.59	-9.43	-0.62	0.0	1.03e-04	3.71e-04
4711	140	7.89	4.78	-0.82	0.0	4.99e-04	-5.45e-04
4711	144	9.93	4.98	-0.81	0.0	3.95e-04	-6.96e-04
4711	171	-5.20	-10.58	-0.61	0.0	1.11e-04	4.22e-04
4711	172	7.84	4.69	-0.82	0.0	4.90e-04	-5.32e-04
4711	176	9.85	4.91	-0.81	0.0	3.89e-04	-6.81e-04
4711	203	-5.20	-10.49	-0.61	0.0	1.09e-04	4.22e-04
4711	204	9.13	5.50	-0.84	0.0	5.65e-04	-6.13e-04
4711	208	11.49	5.77	-0.83	0.0	4.47e-04	-7.89e-04
4711	235	-6.19	-12.20	-0.59	0.0	1.18e-04	5.07e-04
4712	4	0.34	0.47	-1.51	0.0	9.97e-05	-1.39e-05
4712	44	0.30	-1.63	-1.27	0.0	8.44e-05	-1.14e-05
4712	68	0.24	0.31	-1.05	0.0	6.95e-05	-9.75e-06
4712	88	0.21	-1.10	-0.89	0.0	5.93e-05	-8.10e-06
4712	98	0.20	-0.19	-0.85	0.0	5.58e-05	-8.37e-06
4712	105	0.19	-0.36	-0.80	0.0	5.27e-05	-7.80e-06
4712	107	0.19	-0.18	-0.80	0.0	5.29e-05	-7.95e-06
4712	112	7.91	4.10	-0.89	0.0	4.66e-04	-5.45e-04
4712	124	-0.46	7.66	-0.91	0.0	3.99e-04	5.05e-05
4712	139	-4.21	-8.56	-0.74	0.0	1.45e-04	3.49e-04
4712	144	8.88	4.64	-0.90	0.0	5.18e-04	-6.13e-04
4712	156	-0.54	8.64	-0.92	0.0	4.43e-04	5.82e-05
4712	171	-4.77	-9.61	-0.73	0.0	1.56e-04	3.95e-04
4712	176	8.80	4.58	-0.90	0.0	5.08e-04	-5.98e-04
4712	188	-0.53	8.48	-0.92	0.0	4.34e-04	5.96e-05
4712	203	-4.75	-9.53	-0.73	0.0	1.54e-04	3.94e-04
4712	208	10.27	5.37	-0.92	0.0	5.83e-04	-6.94e-04
4712	220	-0.64	9.87	-0.94	0.0	4.95e-04	7.40e-05
4712	235	-5.64	-11.10	-0.72	0.0	1.68e-04	4.68e-04
4713	4	0.39	0.47	-1.49	0.0	9.41e-05	-2.41e-05
4713	44	0.34	-1.71	-1.27	0.0	8.01e-05	-1.98e-05
4713	68	0.28	0.30	-1.04	0.0	6.56e-05	-1.69e-05
4713	88	0.24	-1.15	-0.89	0.0	5.63e-05	-1.41e-05
4713	98	0.23	-0.21	-0.84	0.0	5.27e-05	-1.41e-05
4713	105	0.22	-0.38	-0.80	0.0	4.99e-05	-1.33e-05
4713	107	0.22	-0.20	-0.80	0.0	5.01e-05	-1.35e-05
4713	112	8.21	4.21	-0.89	0.0	4.40e-04	-5.66e-04
4713	124	5.18	7.90	-0.90	0.0	3.78e-04	4.93e-05
4713	139	-4.34	-8.86	-0.73	0.0	1.36e-04	3.58e-04
4713	144	9.22	4.76	-0.90	0.0	4.89e-04	-6.35e-04
4713	156	5.81	8.91	-0.91	0.0	4.19e-04	5.75e-05
4713	171	-4.91	-9.95	-0.73	0.0	1.46e-04	4.06e-04
4713	176	9.13	4.70	-0.90	0.0	4.80e-04	-6.18e-04
4713	188	5.74	8.74	-0.91	0.0	4.11e-04	5.87e-05
4713	203	-4.90	-9.86	-0.73	0.0	1.44e-04	4.04e-04
4713	208	10.65	5.51	-0.91	0.0	5.51e-04	-7.15e-04
4713	220	6.68	10.17	-0.93	0.0	4.69e-04	7.40e-05
4713	235	-5.81	-11.48	-0.71	0.0	1.57e-04	4.80e-04
4714	4	0.44	0.46	-1.49	0.0	8.38e-05	-3.52e-05
4714	44	0.38	-1.79	-1.26	0.0	7.17e-05	-2.92e-05
4714	68	0.31	0.30	-1.04	0.0	5.84e-05	-2.48e-05
4714	88	0.27	-1.21	-0.89	0.0	5.04e-05	-2.08e-05
4714	98	0.25	-0.23	-0.84	0.0	4.70e-05	-2.05e-05
4714	105	0.24	-0.41	-0.79	0.0	4.46e-05	-1.93e-05
4714	107	0.24	-0.22	-0.80	0.0	4.47e-05	-1.96e-05
4714	112	8.48	4.30	-0.88	0.0	3.97e-04	-5.89e-04
4714	124	5.37	8.12	-0.89	0.0	3.43e-04	4.35e-05
4714	139	-4.45	-9.15	-0.73	0.0	1.21e-04	3.64e-04
4714	144	9.52	4.87	-0.89	0.0	4.42e-04	-6.61e-04
4714	156	6.02	9.16	-0.91	0.0	3.80e-04	5.18e-05
4714	171	-5.05	-10.27	-0.72	0.0	1.30e-04	4.13e-04
4714	176	9.43	4.81	-0.89	0.0	4.34e-04	-6.44e-04

4714	188	5.95	8.98	-0.90	0.0	3.73e-04	5.30e-05
4714	203	-5.03	-10.18	-0.72	0.0	1.28e-04	4.11e-04
4714	208	10.99	5.64	-0.91	0.0	4.98e-04	-7.45e-04
4714	220	6.91	10.46	-0.92	0.0	4.26e-04	6.83e-05
4714	235	-5.97	-11.84	-0.71	0.0	1.39e-04	4.91e-04
4715	4	0.48	0.45	-1.49	0.0	7.03e-05	-4.21e-05
4715	44	0.42	-1.87	-1.27	0.0	6.08e-05	-3.52e-05
4715	68	0.34	0.29	-1.04	0.0	4.91e-05	-2.97e-05
4715	88	0.29	-1.26	-0.89	0.0	4.28e-05	-2.51e-05
4715	98	0.28	-0.25	-0.84	0.0	3.96e-05	-2.46e-05
4715	105	0.26	-0.44	-0.79	0.0	3.76e-05	-2.33e-05
4715	107	0.26	-0.24	-0.80	0.0	3.77e-05	-2.35e-05
4715	112	8.72	4.40	-0.88	0.0	3.41e-04	-6.08e-04
4715	124	5.54	8.33	-0.89	0.0	2.97e-04	3.90e-05
4715	139	-4.56	-9.43	-0.73	0.0	1.01e-04	3.69e-04
4715	144	9.79	4.98	-0.89	0.0	3.80e-04	-6.82e-04
4715	156	6.20	9.40	-0.91	0.0	3.29e-04	4.72e-05
4715	171	-5.17	-10.58	-0.72	0.0	1.09e-04	4.19e-04
4715	176	9.70	4.91	-0.89	0.0	3.73e-04	-6.66e-04
4715	188	6.13	9.22	-0.90	0.0	3.23e-04	4.85e-05
4715	203	-5.15	-10.49	-0.72	0.0	1.07e-04	4.18e-04
4715	208	11.30	5.77	-0.91	0.0	4.28e-04	-7.70e-04
4715	220	7.12	10.74	-0.92	0.0	3.69e-04	6.39e-05
4715	235	-6.11	-12.20	-0.71	0.0	1.16e-04	4.99e-04
4716	4	0.33	0.48	-1.59	0.0	8.95e-05	-1.28e-05
4716	44	0.29	-1.62	-1.35	0.0	7.63e-05	-1.16e-05
4716	68	0.23	0.31	-1.11	0.0	6.24e-05	-9.02e-06
4716	88	0.21	-1.09	-0.95	0.0	5.36e-05	-8.25e-06
4716	98	0.19	-0.18	-0.90	0.0	5.01e-05	-8.08e-06
4716	105	0.18	-0.35	-0.85	0.0	4.74e-05	-7.62e-06
4716	107	0.18	-0.17	-0.85	0.0	4.75e-05	-7.70e-06
4716	113	7.81	-0.57	-0.90	0.0	6.11e-04	-4.28e-04
4716	124	4.95	7.67	-0.95	0.0	4.14e-04	4.87e-05
4716	139	1.33	-8.56	-0.78	0.0	1.49e-04	3.48e-04
4716	145	8.77	-0.61	-0.90	0.0	6.82e-04	-4.81e-04
4716	156	5.55	8.65	-0.96	0.0	4.60e-04	5.62e-05
4716	171	1.47	-9.62	-0.77	0.0	1.62e-04	3.93e-04
4716	177	8.67	-0.62	-0.90	0.0	6.67e-04	-4.68e-04
4716	188	5.48	8.49	-0.96	0.0	4.49e-04	5.79e-05
4716	203	1.42	-9.53	-0.77	0.0	1.60e-04	3.93e-04
4716	209	10.11	-0.68	-0.91	0.0	7.68e-04	-5.42e-04
4716	220	6.37	9.88	-0.98	0.0	5.14e-04	7.21e-05
4716	235	1.57	-11.10	-0.76	0.0	1.76e-04	4.68e-04
4717	4	0.38	0.48	-1.58	0.0	8.48e-05	-2.17e-05
4717	44	0.33	-1.71	-1.35	0.0	7.24e-05	-1.96e-05
4717	68	0.27	0.31	-1.10	0.0	5.91e-05	-1.53e-05
4717	88	0.23	-1.15	-0.95	0.0	5.08e-05	-1.39e-05
4717	98	0.22	-0.21	-0.89	0.0	4.74e-05	-1.34e-05
4717	105	0.21	-0.38	-0.84	0.0	4.49e-05	-1.27e-05
4717	107	0.21	-0.20	-0.85	0.0	4.50e-05	-1.28e-05
4717	113	8.11	-0.62	-0.89	0.0	5.59e-04	-4.40e-04
4717	124	5.16	7.90	-0.94	0.0	3.82e-04	4.90e-05
4717	139	1.41	-8.86	-0.78	0.0	1.37e-04	3.56e-04
4717	145	9.11	-0.67	-0.90	0.0	6.24e-04	-4.94e-04
4717	156	5.78	8.91	-0.96	0.0	4.24e-04	5.71e-05
4717	171	1.55	-9.95	-0.77	0.0	1.48e-04	4.03e-04
4717	177	9.01	-0.68	-0.90	0.0	6.10e-04	-4.80e-04
4717	188	5.71	8.74	-0.95	0.0	4.14e-04	5.85e-05
4717	203	1.50	-9.86	-0.77	0.0	1.46e-04	4.01e-04
4717	209	10.49	-0.75	-0.90	0.0	7.02e-04	-5.53e-04
4717	220	6.63	10.17	-0.97	0.0	4.74e-04	7.38e-05
4717	235	1.66	-11.47	-0.75	0.0	1.60e-04	4.78e-04
4718	4	0.42	0.46	-1.58	0.0	7.79e-05	-2.94e-05
4718	44	0.37	-1.79	-1.34	0.0	6.66e-05	-2.65e-05
4718	68	0.30	0.30	-1.10	0.0	5.42e-05	-2.08e-05
4718	88	0.26	-1.21	-0.95	0.0	4.68e-05	-1.88e-05
4718	98	0.24	-0.23	-0.89	0.0	4.35e-05	-1.80e-05
4718	105	0.23	-0.41	-0.84	0.0	4.12e-05	-1.71e-05
4718	107	0.23	-0.22	-0.84	0.0	4.13e-05	-1.72e-05
4718	113	8.39	-0.68	-0.89	0.0	4.89e-04	-4.55e-04
4718	124	5.35	8.12	-0.94	0.0	3.38e-04	4.69e-05
4718	139	1.48	-9.15	-0.77	0.0	1.19e-04	3.62e-04
4718	145	9.42	-0.73	-0.90	0.0	5.46e-04	-5.10e-04
4718	156	5.99	9.16	-0.95	0.0	3.75e-04	5.53e-05
4718	171	1.63	-10.27	-0.76	0.0	1.29e-04	4.10e-04

4718	177	9.31	-0.73	-0.89	0.0	5.34e-04	-4.95e-04
4718	188	5.91	8.98	-0.95	0.0	3.67e-04	5.67e-05
4718	203	1.57	-10.18	-0.76	0.0	1.27e-04	4.08e-04
4718	209	10.84	-0.81	-0.90	0.0	6.14e-04	-5.70e-04
4718	220	6.86	10.46	-0.97	0.0	4.20e-04	7.24e-05
4718	235	1.74	-11.84	-0.75	0.0	1.39e-04	4.87e-04
4719	4	0.46	0.45	-1.58	0.0	7.03e-05	-3.31e-05
4719	44	0.40	-1.87	-1.35	0.0	6.03e-05	-2.98e-05
4719	68	0.32	0.29	-1.10	0.0	4.90e-05	-2.34e-05
4719	88	0.28	-1.26	-0.95	0.0	4.23e-05	-2.12e-05
4719	98	0.27	-0.25	-0.89	0.0	3.92e-05	-2.03e-05
4719	105	0.25	-0.44	-0.84	0.0	3.71e-05	-1.94e-05
4719	107	0.25	-0.24	-0.84	0.0	3.72e-05	-1.95e-05
4719	113	8.62	-0.73	-0.89	0.0	4.13e-04	-4.68e-04
4719	124	5.51	8.33	-0.94	0.0	2.91e-04	4.52e-05
4719	139	1.53	-9.43	-0.77	0.0	1.00e-04	3.67e-04
4719	145	9.68	-0.79	-0.90	0.0	4.60e-04	-5.24e-04
4719	156	6.17	9.40	-0.95	0.0	3.22e-04	5.37e-05
4719	171	1.69	-10.58	-0.77	0.0	1.08e-04	4.17e-04
4719	177	9.57	-0.79	-0.90	0.0	4.51e-04	-5.09e-04
4719	188	6.09	9.22	-0.95	0.0	3.16e-04	5.52e-05
4719	203	1.64	-10.49	-0.77	0.0	1.06e-04	4.15e-04
4719	209	11.13	-0.88	-0.90	0.0	5.18e-04	-5.87e-04
4719	220	7.06	10.74	-0.97	0.0	3.61e-04	7.12e-05
4719	235	1.81	-12.20	-0.75	0.0	1.16e-04	4.96e-04
4720	4	0.33	0.49	-1.55	0.0	8.15e-05	-1.02e-05
4720	44	0.28	-1.62	-1.32	0.0	6.88e-05	-1.19e-05
4720	68	0.23	0.32	-1.08	0.0	5.67e-05	-7.29e-06
4720	88	0.20	-1.09	-0.93	0.0	4.82e-05	-8.41e-06
4720	98	0.19	-0.18	-0.87	0.0	4.51e-05	-7.45e-06
4720	105	0.18	-0.35	-0.83	0.0	4.26e-05	-7.19e-06
4720	107	0.18	-0.17	-0.83	0.0	4.28e-05	-7.11e-06
4720	113	7.71	-0.56	-0.86	0.0	6.29e-04	-4.31e-04
4720	124	4.92	7.68	-0.92	0.0	4.25e-04	4.78e-05
4720	139	1.37	-8.56	-0.76	0.0	1.52e-04	3.47e-04
4720	145	8.66	-0.61	-0.86	0.0	7.03e-04	-4.85e-04
4720	156	5.52	8.66	-0.93	0.0	4.72e-04	5.52e-05
4720	171	1.52	-9.62	-0.75	0.0	1.65e-04	3.93e-04
4720	177	8.54	-0.61	-0.86	0.0	6.86e-04	-4.73e-04
4720	188	5.44	8.49	-0.93	0.0	4.61e-04	5.70e-05
4720	203	1.47	-9.53	-0.75	0.0	1.63e-04	3.93e-04
4720	209	9.94	-0.68	-0.87	0.0	7.89e-04	-5.48e-04
4720	220	6.31	9.88	-0.95	0.0	5.27e-04	7.10e-05
4720	235	1.64	-11.10	-0.73	0.0	1.80e-04	4.68e-04
4721	4	0.37	0.48	-1.55	0.0	7.82e-05	-1.65e-05
4721	44	0.32	-1.71	-1.32	0.0	6.62e-05	-1.92e-05
4721	68	0.26	0.31	-1.08	0.0	5.44e-05	-1.17e-05
4721	88	0.23	-1.15	-0.93	0.0	4.64e-05	-1.36e-05
4721	98	0.21	-0.20	-0.88	0.0	4.33e-05	-1.18e-05
4721	105	0.20	-0.38	-0.83	0.0	4.09e-05	-1.15e-05
4721	107	0.20	-0.20	-0.83	0.0	4.11e-05	-1.13e-05
4721	113	8.02	-0.62	-0.86	0.0	5.69e-04	-4.44e-04
4721	124	5.14	7.90	-0.92	0.0	3.88e-04	4.87e-05
4721	139	1.45	-8.86	-0.76	0.0	1.38e-04	3.54e-04
4721	145	9.01	-0.67	-0.87	0.0	6.35e-04	-4.98e-04
4721	156	5.76	8.91	-0.93	0.0	4.31e-04	5.66e-05
4721	171	1.60	-9.95	-0.75	0.0	1.50e-04	4.01e-04
4721	177	8.89	-0.67	-0.87	0.0	6.20e-04	-4.85e-04
4721	188	5.67	8.74	-0.93	0.0	4.21e-04	5.83e-05
4721	203	1.56	-9.86	-0.75	0.0	1.48e-04	4.01e-04
4721	209	10.34	-0.75	-0.87	0.0	7.13e-04	-5.60e-04
4721	220	6.58	10.17	-0.95	0.0	4.81e-04	7.34e-05
4721	235	1.73	-11.47	-0.73	0.0	1.63e-04	4.77e-04
4722	4	0.41	0.47	-1.56	0.0	7.38e-05	-2.14e-05
4722	44	0.35	-1.79	-1.33	0.0	6.29e-05	-2.46e-05
4722	68	0.29	0.30	-1.09	0.0	5.13e-05	-1.53e-05
4722	88	0.25	-1.21	-0.93	0.0	4.40e-05	-1.74e-05
4722	98	0.23	-0.23	-0.88	0.0	4.09e-05	-1.52e-05
4722	105	0.22	-0.41	-0.83	0.0	3.87e-05	-1.48e-05
4722	107	0.22	-0.22	-0.83	0.0	3.88e-05	-1.45e-05
4722	113	8.30	-0.68	-0.86	0.0	4.88e-04	-4.56e-04
4722	124	5.33	8.12	-0.92	0.0	3.39e-04	4.86e-05
4722	139	1.52	-9.15	-0.76	0.0	1.20e-04	3.61e-04
4722	145	9.32	-0.73	-0.87	0.0	5.45e-04	-5.12e-04
4722	156	5.97	9.16	-0.93	0.0	3.76e-04	5.70e-05

4722	171	1.68	-10.27	-0.75	0.0	1.30e-04	4.09e-04
4722	177	9.19	-0.73	-0.87	0.0	5.32e-04	-4.97e-04
4722	188	5.88	8.98	-0.93	0.0	3.68e-04	5.87e-05
4722	203	1.63	-10.18	-0.75	0.0	1.28e-04	4.08e-04
4722	209	10.69	-0.81	-0.87	0.0	6.12e-04	-5.74e-04
4722	220	6.81	10.46	-0.95	0.0	4.20e-04	7.44e-05
4722	235	1.81	-11.84	-0.74	0.0	1.41e-04	4.86e-04
4723	4	0.45	0.45	-1.56	0.0	6.94e-05	-2.41e-05
4723	44	0.39	-1.87	-1.34	0.0	5.94e-05	-2.70e-05
4723	68	0.31	0.29	-1.09	0.0	4.82e-05	-1.73e-05
4723	88	0.27	-1.26	-0.94	0.0	4.16e-05	-1.92e-05
4723	98	0.26	-0.25	-0.88	0.0	3.84e-05	-1.69e-05
4723	105	0.24	-0.44	-0.83	0.0	3.63e-05	-1.65e-05
4723	107	0.24	-0.24	-0.84	0.0	3.64e-05	-1.63e-05
4723	113	8.53	-0.73	-0.87	0.0	4.03e-04	-4.67e-04
4723	124	5.49	8.33	-0.92	0.0	2.87e-04	4.84e-05
4723	139	1.58	-9.43	-0.76	0.0	1.01e-04	3.67e-04
4723	145	9.58	-0.79	-0.87	0.0	4.50e-04	-5.24e-04
4723	156	6.15	9.40	-0.94	0.0	3.18e-04	5.69e-05
4723	171	1.74	-10.58	-0.76	0.0	1.09e-04	4.16e-04
4723	177	9.44	-0.79	-0.87	0.0	4.40e-04	-5.09e-04
4723	188	6.05	9.22	-0.93	0.0	3.11e-04	5.87e-05
4723	203	1.69	-10.49	-0.76	0.0	1.07e-04	4.15e-04
4723	209	10.98	-0.88	-0.88	0.0	5.05e-04	-5.87e-04
4723	220	7.01	10.74	-0.95	0.0	3.56e-04	7.47e-05
4723	235	1.88	-12.20	-0.74	0.0	1.17e-04	4.95e-04
4724	4	0.32	0.50	-1.43	0.0	7.66e-05	-6.49e-06
4724	44	0.28	-1.62	-1.22	0.0	6.15e-05	-1.25e-05
4724	68	0.23	0.32	-1.00	0.0	5.31e-05	-4.77e-06
4724	88	0.20	-1.09	-0.86	0.0	4.31e-05	-8.77e-06
4724	98	0.19	-0.18	-0.81	0.0	4.12e-05	-6.61e-06
4724	105	0.18	-0.35	-0.77	0.0	3.86e-05	-6.66e-06
4724	107	0.18	-0.17	-0.77	0.0	3.90e-05	-6.33e-06
4724	113	7.61	-0.56	-0.79	0.0	6.41e-04	-4.34e-04
4724	124	4.90	7.68	-0.84	0.0	4.34e-04	4.75e-05
4724	139	1.42	-8.56	-0.70	0.0	1.52e-04	3.47e-04
4724	145	8.55	-0.61	-0.79	0.0	7.17e-04	-4.88e-04
4724	156	5.50	8.66	-0.85	0.0	4.83e-04	5.47e-05
4724	171	1.57	-9.62	-0.69	0.0	1.67e-04	3.92e-04
4724	177	8.41	-0.61	-0.79	0.0	6.98e-04	-4.77e-04
4724	188	5.40	8.50	-0.85	0.0	4.70e-04	5.67e-05
4724	203	1.52	-9.53	-0.69	0.0	1.65e-04	3.93e-04
4724	209	9.78	-0.68	-0.79	0.0	8.03e-04	-5.53e-04
4724	220	6.26	9.89	-0.87	0.0	5.38e-04	7.06e-05
4724	235	1.70	-11.10	-0.68	0.0	1.83e-04	4.69e-04
4725	4	0.36	0.48	-1.46	0.0	7.41e-05	-9.58e-06
4725	44	0.31	-1.71	-1.25	0.0	6.07e-05	-1.98e-05
4725	68	0.25	0.31	-1.01	0.0	5.14e-05	-7.08e-06
4725	88	0.22	-1.15	-0.88	0.0	4.25e-05	-1.39e-05
4725	98	0.21	-0.20	-0.82	0.0	4.01e-05	-1.01e-05
4725	105	0.20	-0.38	-0.78	0.0	3.77e-05	-1.03e-05
4725	107	0.20	-0.19	-0.78	0.0	3.80e-05	-9.68e-06
4725	113	7.93	-0.62	-0.80	0.0	5.76e-04	-4.47e-04
4725	124	5.12	7.90	-0.85	0.0	3.94e-04	4.85e-05
4725	139	1.49	-8.86	-0.71	0.0	1.39e-04	3.54e-04
4725	145	8.91	-0.67	-0.80	0.0	6.44e-04	-5.02e-04
4725	156	5.74	8.91	-0.86	0.0	4.39e-04	5.63e-05
4725	171	1.65	-9.95	-0.71	0.0	1.52e-04	4.01e-04
4725	177	8.76	-0.67	-0.80	0.0	6.27e-04	-4.90e-04
4725	188	5.64	8.74	-0.86	0.0	4.27e-04	5.83e-05
4725	203	1.61	-9.86	-0.71	0.0	1.50e-04	4.01e-04
4725	209	10.18	-0.75	-0.80	0.0	7.21e-04	-5.67e-04
4725	220	6.53	10.17	-0.88	0.0	4.89e-04	7.31e-05
4725	235	1.79	-11.48	-0.69	0.0	1.66e-04	4.78e-04
4726	4	0.40	0.47	-1.47	0.0	7.09e-05	-1.24e-05
4726	44	0.34	-1.79	-1.26	0.0	5.96e-05	-2.47e-05
4726	68	0.28	0.30	-1.03	0.0	4.92e-05	-9.18e-06
4726	88	0.24	-1.21	-0.89	0.0	4.17e-05	-1.74e-05
4726	98	0.23	-0.23	-0.83	0.0	3.88e-05	-1.27e-05
4726	105	0.22	-0.41	-0.79	0.0	3.66e-05	-1.30e-05
4726	107	0.22	-0.22	-0.79	0.0	3.67e-05	-1.22e-05
4726	113	8.21	-0.68	-0.81	0.0	4.90e-04	-4.59e-04
4726	124	5.31	8.12	-0.86	0.0	3.42e-04	4.93e-05
4726	139	1.56	-9.15	-0.72	0.0	1.21e-04	3.60e-04
4726	145	9.22	-0.73	-0.81	0.0	5.47e-04	-5.15e-04

4726	156	5.95	9.16	-0.87	0.0	3.80e-04	5.74e-05
4726	171	1.73	-10.27	-0.72	0.0	1.32e-04	4.08e-04
4726	177	9.07	-0.73	-0.81	0.0	5.33e-04	-5.01e-04
4726	188	5.85	8.98	-0.87	0.0	3.70e-04	5.94e-05
4726	203	1.68	-10.18	-0.72	0.0	1.30e-04	4.08e-04
4726	209	10.53	-0.81	-0.81	0.0	6.13e-04	-5.79e-04
4726	220	6.77	10.46	-0.88	0.0	4.23e-04	7.49e-05
4726	235	1.88	-11.84	-0.70	0.0	1.43e-04	4.86e-04
4727	4	0.44	0.45	-1.48	0.0	6.77e-05	-1.49e-05
4727	44	0.37	-1.87	-1.27	0.0	5.86e-05	-2.67e-05
4727	68	0.31	0.29	-1.03	0.0	4.69e-05	-1.10e-05
4727	88	0.26	-1.26	-0.90	0.0	4.09e-05	-1.89e-05
4727	98	0.25	-0.25	-0.84	0.0	3.74e-05	-1.43e-05
4727	105	0.24	-0.44	-0.79	0.0	3.54e-05	-1.45e-05
4727	107	0.24	-0.24	-0.79	0.0	3.54e-05	-1.38e-05
4727	113	8.44	-0.73	-0.81	0.0	3.98e-04	-4.68e-04
4727	124	5.48	8.33	-0.87	0.0	2.86e-04	4.97e-05
4727	139	1.62	-9.43	-0.73	0.0	1.02e-04	3.66e-04
4727	145	9.48	-0.79	-0.82	0.0	4.44e-04	-5.25e-04
4727	156	6.13	9.40	-0.88	0.0	3.17e-04	5.81e-05
4727	171	1.79	-10.58	-0.72	0.0	1.10e-04	4.15e-04
4727	177	9.32	-0.79	-0.82	0.0	4.33e-04	-5.12e-04
4727	188	6.02	9.22	-0.87	0.0	3.10e-04	6.01e-05
4727	203	1.75	-10.49	-0.72	0.0	1.09e-04	4.15e-04
4727	209	10.82	-0.88	-0.82	0.0	4.97e-04	-5.91e-04
4727	220	6.97	10.74	-0.89	0.0	3.54e-04	7.60e-05
4727	235	1.94	-12.20	-0.71	0.0	1.19e-04	4.95e-04
4728	4	0.53	0.44	-1.29	0.0	4.79e-05	-3.61e-05
4728	44	0.46	-1.94	-1.09	0.0	4.35e-05	-3.14e-05
4728	68	0.37	0.28	-0.90	0.0	3.36e-05	-2.57e-05
4728	88	0.32	-1.31	-0.77	0.0	3.07e-05	-2.25e-05
4728	98	0.31	-0.27	-0.73	0.0	2.78e-05	-2.19e-05
4728	105	0.29	-0.46	-0.69	0.0	2.67e-05	-2.08e-05
4728	107	0.29	-0.26	-0.69	0.0	2.66e-05	-2.10e-05
4728	108	7.19	4.30	-0.81	0.0	3.71e-04	-4.83e-04
4728	112	9.04	4.48	-0.80	0.0	2.93e-04	-6.18e-04
4728	139	-4.68	-9.69	-0.62	0.0	8.21e-05	3.78e-04
4728	140	8.07	4.87	-0.82	0.0	4.14e-04	-5.41e-04
4728	144	10.15	5.08	-0.81	0.0	3.27e-04	-6.93e-04
4728	171	-5.31	-10.87	-0.61	0.0	8.90e-05	4.29e-04
4728	172	8.01	4.78	-0.82	0.0	4.07e-04	-5.27e-04
4728	176	10.07	5.01	-0.81	0.0	3.21e-04	-6.78e-04
4728	203	-5.30	-10.78	-0.61	0.0	8.70e-05	4.29e-04
4728	204	9.33	5.61	-0.84	0.0	4.70e-04	-6.08e-04
4728	208	11.74	5.89	-0.83	0.0	3.70e-04	-7.85e-04
4728	235	-6.31	-12.53	-0.59	0.0	9.49e-05	5.13e-04
4729	4	0.55	0.45	-1.30	0.0	4.20e-05	-1.40e-05
4729	44	0.48	-2.00	-1.10	0.0	3.87e-05	-1.40e-05
4729	68	0.39	0.28	-0.91	0.0	2.95e-05	-1.04e-05
4729	88	0.34	-1.35	-0.77	0.0	2.73e-05	-1.04e-05
4729	98	0.32	-0.28	-0.73	0.0	2.45e-05	-1.04e-05
4729	105	0.30	-0.48	-0.69	0.0	2.36e-05	-1.01e-05
4729	107	0.30	-0.27	-0.69	0.0	2.34e-05	-1.02e-05
4729	108	7.32	4.40	-0.81	0.0	3.20e-04	-4.79e-04
4729	112	9.20	4.58	-0.80	0.0	2.53e-04	-6.13e-04
4729	139	-4.75	-9.95	-0.62	0.0	7.02e-05	3.85e-04
4729	140	8.21	4.98	-0.82	0.0	3.57e-04	-5.38e-04
4729	144	10.33	5.19	-0.81	0.0	2.82e-04	-6.90e-04
4729	171	-5.40	-11.16	-0.61	0.0	7.60e-05	4.36e-04
4729	172	8.15	4.89	-0.82	0.0	3.51e-04	-5.25e-04
4729	176	10.24	5.12	-0.81	0.0	2.77e-04	-6.76e-04
4729	203	-5.39	-11.06	-0.61	0.0	7.43e-05	4.36e-04
4729	204	9.49	5.73	-0.85	0.0	4.05e-04	-6.08e-04
4729	208	11.94	6.02	-0.83	0.0	3.19e-04	-7.86e-04
4729	235	-6.41	-12.86	-0.60	0.0	8.08e-05	5.20e-04
4730	4	0.57	0.37	-1.30	0.0	4.42e-05	-1.99e-05
4730	44	0.50	-2.11	-1.11	0.0	4.03e-05	-1.90e-05
4730	68	0.40	0.23	-0.91	0.0	3.10e-05	-1.46e-05
4730	88	0.35	-1.43	-0.78	0.0	2.84e-05	-1.40e-05
4730	98	0.33	-0.33	-0.73	0.0	2.55e-05	-1.37e-05
4730	105	0.31	-0.53	-0.69	0.0	2.45e-05	-1.34e-05
4730	107	0.31	-0.32	-0.69	0.0	2.44e-05	-1.34e-05
4730	108	7.43	4.43	-0.81	0.0	3.04e-04	-4.86e-04
4730	112	9.35	4.62	-0.80	0.0	2.41e-04	-6.21e-04
4730	139	-4.82	-10.18	-0.63	0.0	6.77e-05	3.83e-04

4730	140	8.34	5.03	-0.82	0.0	3.39e-04	-5.45e-04
4730	144	10.49	5.24	-0.81	0.0	2.69e-04	-6.98e-04
4730	171	-5.47	-11.42	-0.62	0.0	7.30e-05	4.34e-04
4730	172	8.27	4.93	-0.82	0.0	3.33e-04	-5.33e-04
4730	176	10.40	5.17	-0.81	0.0	2.64e-04	-6.84e-04
4730	203	-5.46	-11.31	-0.62	0.0	7.14e-05	4.34e-04
4730	204	9.64	5.79	-0.84	0.0	3.85e-04	-6.16e-04
4730	208	12.12	6.08	-0.83	0.0	3.04e-04	-7.95e-04
4730	235	-6.50	-13.15	-0.61	0.0	7.74e-05	5.18e-04
4731	4	0.51	0.44	-1.50	0.0	5.88e-05	-3.50e-05
4731	44	0.44	-1.95	-1.27	0.0	5.14e-05	-3.00e-05
4731	68	0.36	0.28	-1.04	0.0	4.11e-05	-2.48e-05
4731	88	0.31	-1.31	-0.89	0.0	3.61e-05	-2.15e-05
4731	98	0.29	-0.27	-0.84	0.0	3.32e-05	-2.11e-05
4731	105	0.28	-0.47	-0.80	0.0	3.16e-05	-2.01e-05
4731	107	0.28	-0.26	-0.80	0.0	3.16e-05	-2.03e-05
4731	112	8.92	4.48	-0.89	0.0	2.87e-04	-6.14e-04
4731	124	5.67	8.54	-0.90	0.0	2.52e-04	4.28e-05
4731	139	-4.64	-9.69	-0.73	0.0	8.32e-05	3.75e-04
4731	144	10.01	5.08	-0.90	0.0	3.19e-04	-6.89e-04
4731	156	6.35	9.63	-0.91	0.0	2.79e-04	5.12e-05
4731	171	-5.27	-10.87	-0.73	0.0	8.96e-05	4.25e-04
4731	176	9.91	5.01	-0.90	0.0	3.13e-04	-6.74e-04
4731	188	6.28	9.45	-0.91	0.0	2.74e-04	5.27e-05
4731	203	-5.24	-10.78	-0.73	0.0	8.78e-05	4.25e-04
4731	208	11.54	5.89	-0.91	0.0	3.60e-04	-7.80e-04
4731	220	7.29	11.01	-0.93	0.0	3.14e-04	6.84e-05
4731	235	-6.23	-12.53	-0.71	0.0	9.51e-05	5.08e-04
4732	4	0.54	0.43	-1.51	0.0	5.13e-05	-2.29e-05
4732	44	0.47	-2.01	-1.29	0.0	4.52e-05	-2.09e-05
4732	68	0.38	0.27	-1.05	0.0	3.59e-05	-1.66e-05
4732	88	0.33	-1.36	-0.90	0.0	3.18e-05	-1.52e-05
4732	98	0.31	-0.29	-0.85	0.0	2.90e-05	-1.51e-05
4732	105	0.29	-0.49	-0.80	0.0	2.76e-05	-1.45e-05
4732	107	0.29	-0.28	-0.81	0.0	2.76e-05	-1.46e-05
4732	112	9.08	4.58	-0.89	0.0	3.07e-04	-6.16e-04
4732	124	5.78	8.74	-0.90	0.0	2.18e-04	4.91e-05
4732	139	-4.71	-9.95	-0.74	0.0	-1.34e-04	3.81e-04
4732	144	10.19	5.19	-0.90	0.0	3.42e-04	-6.92e-04
4732	156	6.47	9.86	-0.92	0.0	2.41e-04	5.76e-05
4732	171	-5.35	-11.16	-0.73	0.0	-1.55e-04	4.32e-04
4732	176	10.08	5.11	-0.90	0.0	3.36e-04	-6.77e-04
4732	188	6.40	9.68	-0.92	0.0	2.37e-04	5.94e-05
4732	203	-5.32	-11.06	-0.73	0.0	-1.52e-04	4.31e-04
4732	208	11.74	6.01	-0.92	0.0	3.87e-04	-7.86e-04
4732	220	7.43	11.27	-0.93	0.0	2.71e-04	7.55e-05
4732	235	-6.32	-12.86	-0.72	0.0	-1.83e-04	5.15e-04
4733	4	0.56	0.38	-1.54	0.0	4.81e-05	-1.97e-05
4733	44	0.49	-2.11	-1.32	0.0	4.25e-05	-1.88e-05
4733	68	0.39	0.23	-1.07	0.0	3.36e-05	-1.45e-05
4733	88	0.34	-1.43	-0.93	0.0	2.99e-05	-1.38e-05
4733	98	0.32	-0.33	-0.86	0.0	2.71e-05	-1.37e-05
4733	105	0.31	-0.53	-0.82	0.0	2.59e-05	-1.33e-05
4733	107	0.31	-0.32	-0.82	0.0	2.58e-05	-1.33e-05
4733	108	9.21	4.43	-0.92	0.0	2.91e-04	-4.86e-04
4733	124	5.88	8.88	-0.92	0.0	2.04e-04	5.00e-05
4733	139	-4.77	-10.18	-0.75	0.0	-1.26e-04	3.83e-04
4733	144	10.34	5.24	-0.92	0.0	3.20e-04	-6.98e-04
4733	156	6.58	10.03	-0.93	0.0	2.26e-04	5.84e-05
4733	171	-5.42	-11.42	-0.74	0.0	-1.45e-04	4.34e-04
4733	176	10.23	5.17	-0.92	0.0	3.15e-04	-6.85e-04
4733	188	6.51	9.83	-0.93	0.0	2.22e-04	6.05e-05
4733	203	-5.39	-11.31	-0.74	0.0	-1.43e-04	4.34e-04
4733	208	11.92	6.08	-0.94	0.0	3.62e-04	-7.96e-04
4733	220	7.55	11.46	-0.95	0.0	2.54e-04	7.65e-05
4733	235	-6.40	-13.15	-0.73	0.0	-1.72e-04	5.18e-04
4734	4	0.49	0.44	-1.59	0.0	6.36e-05	-3.05e-05
4734	44	0.43	-1.95	-1.35	0.0	5.46e-05	-2.78e-05
4734	68	0.35	0.28	-1.11	0.0	4.43e-05	-2.18e-05
4734	88	0.30	-1.31	-0.95	0.0	3.83e-05	-2.00e-05
4734	98	0.28	-0.27	-0.89	0.0	3.54e-05	-1.92e-05
4734	105	0.27	-0.47	-0.85	0.0	3.35e-05	-1.84e-05
4734	107	0.27	-0.26	-0.85	0.0	3.36e-05	-1.85e-05
4734	113	8.81	-0.78	-0.89	0.0	3.44e-04	-4.76e-04
4734	124	5.64	8.54	-0.94	0.0	2.47e-04	4.61e-05

4734	139	1.58	-9.69	-0.78	0.0	8.36e-05	3.73e-04
4734	145	9.89	-0.84	-0.90	0.0	3.83e-04	-5.34e-04
4734	156	6.32	9.63	-0.96	0.0	2.74e-04	5.46e-05
4734	171	1.74	-10.87	-0.77	0.0	8.97e-05	4.23e-04
4734	177	9.77	-0.85	-0.90	0.0	3.76e-04	-5.19e-04
4734	188	6.23	9.45	-0.95	0.0	2.69e-04	5.63e-05
4734	203	1.68	-10.78	-0.77	0.0	8.81e-05	4.22e-04
4734	209	11.36	-0.94	-0.91	0.0	4.32e-04	-5.99e-04
4734	220	7.22	11.00	-0.97	0.0	3.07e-04	7.24e-05
4734	235	1.86	-12.53	-0.75	0.0	9.51e-05	5.05e-04
4735	4	0.52	0.43	-1.60	0.0	5.80e-05	-2.48e-05
4735	44	0.45	-2.02	-1.37	0.0	4.98e-05	-2.32e-05
4735	68	0.37	0.27	-1.12	0.0	4.04e-05	-1.79e-05
4735	88	0.32	-1.36	-0.96	0.0	3.49e-05	-1.68e-05
4735	98	0.30	-0.30	-0.90	0.0	3.21e-05	-1.63e-05
4735	105	0.29	-0.49	-0.85	0.0	3.05e-05	-1.57e-05
4735	107	0.29	-0.28	-0.85	0.0	3.05e-05	-1.58e-05
4735	113	8.96	-0.83	-0.90	0.0	2.91e-04	-4.82e-04
4735	124	5.75	8.73	-0.95	0.0	2.14e-04	4.83e-05
4735	139	1.62	-9.95	-0.79	0.0	7.10e-05	3.79e-04
4735	145	10.06	-0.90	-0.91	0.0	3.24e-04	-5.40e-04
4735	156	6.44	9.86	-0.96	0.0	2.37e-04	5.68e-05
4735	171	1.78	-11.16	-0.78	0.0	7.59e-05	4.29e-04
4735	177	9.93	-0.90	-0.91	0.0	3.18e-04	-5.27e-04
4735	188	6.35	9.67	-0.96	0.0	2.32e-04	5.87e-05
4735	203	1.72	-11.06	-0.78	0.0	7.43e-05	4.29e-04
4735	209	11.56	-1.00	-0.91	0.0	3.65e-04	-6.08e-04
4735	220	7.36	11.26	-0.98	0.0	2.65e-04	7.47e-05
4735	235	1.90	-12.86	-0.76	0.0	7.99e-05	5.12e-04
4736	4	0.55	0.38	-1.63	0.0	5.46e-05	-2.05e-05
4736	44	0.48	-2.11	-1.40	0.0	4.70e-05	-1.95e-05
4736	68	0.39	0.23	-1.14	0.0	3.80e-05	-1.50e-05
4736	88	0.34	-1.43	-0.99	0.0	3.29e-05	-1.43e-05
4736	98	0.31	-0.33	-0.92	0.0	3.02e-05	-1.41e-05
4736	105	0.30	-0.53	-0.87	0.0	2.87e-05	-1.37e-05
4736	107	0.30	-0.32	-0.87	0.0	2.87e-05	-1.37e-05
4736	108	9.09	4.43	-0.96	0.0	2.76e-04	-4.86e-04
4736	124	5.85	8.88	-0.97	0.0	2.00e-04	4.95e-05
4736	139	1.65	-10.18	-0.80	0.0	-1.15e-04	3.82e-04
4736	140	10.20	5.03	-0.97	0.0	3.07e-04	-5.46e-04
4736	156	6.54	10.03	-0.98	0.0	2.21e-04	5.80e-05
4736	171	1.81	-11.42	-0.79	0.0	-1.33e-04	4.33e-04
4736	172	10.07	4.93	-0.97	0.0	3.01e-04	-5.33e-04
4736	188	6.45	9.84	-0.98	0.0	2.18e-04	6.01e-05
4736	203	1.76	-11.31	-0.79	0.0	-1.30e-04	4.33e-04
4736	209	11.72	-1.06	-0.93	0.0	2.70e-04	-6.17e-04
4736	220	7.48	11.47	-0.99	0.0	2.48e-04	7.61e-05
4736	235	1.94	-13.15	-0.78	0.0	-1.58e-04	5.17e-04
4737	4	0.48	0.44	-1.57	0.0	6.54e-05	-2.41e-05
4737	44	0.41	-1.95	-1.35	0.0	5.62e-05	-2.62e-05
4737	68	0.34	0.27	-1.10	0.0	4.54e-05	-1.74e-05
4737	88	0.29	-1.31	-0.95	0.0	3.93e-05	-1.88e-05
4737	98	0.27	-0.28	-0.88	0.0	3.62e-05	-1.69e-05
4737	105	0.26	-0.47	-0.84	0.0	3.42e-05	-1.65e-05
4737	107	0.26	-0.26	-0.84	0.0	3.43e-05	-1.63e-05
4737	113	8.71	-0.78	-0.87	0.0	3.30e-04	-4.75e-04
4737	124	5.62	8.53	-0.93	0.0	2.42e-04	4.85e-05
4737	139	1.62	-9.69	-0.77	0.0	8.41e-05	3.72e-04
4737	145	9.77	-0.84	-0.88	0.0	3.67e-04	-5.33e-04
4737	156	6.29	9.63	-0.94	0.0	2.68e-04	5.71e-05
4737	171	1.79	-10.87	-0.76	0.0	9.03e-05	4.22e-04
4737	177	9.63	-0.85	-0.88	0.0	3.59e-04	-5.19e-04
4737	188	6.19	9.44	-0.94	0.0	2.63e-04	5.89e-05
4737	203	1.74	-10.78	-0.76	0.0	8.87e-05	4.21e-04
4737	209	11.20	-0.94	-0.88	0.0	4.12e-04	-5.99e-04
4737	220	7.17	11.00	-0.95	0.0	2.99e-04	7.51e-05
4737	235	1.93	-12.53	-0.75	0.0	9.59e-05	5.03e-04
4738	4	0.51	0.42	-1.59	0.0	6.20e-05	-2.23e-05
4738	44	0.44	-2.02	-1.36	0.0	5.35e-05	-2.31e-05
4738	68	0.36	0.26	-1.11	0.0	4.30e-05	-1.62e-05
4738	88	0.31	-1.37	-0.96	0.0	3.74e-05	-1.67e-05
4738	98	0.29	-0.30	-0.89	0.0	3.42e-05	-1.56e-05
4738	105	0.28	-0.49	-0.85	0.0	3.24e-05	-1.52e-05
4738	107	0.28	-0.28	-0.85	0.0	3.24e-05	-1.51e-05
4738	108	8.85	4.38	-0.92	0.0	2.81e-04	-4.81e-04

4738	124	5.73	8.73	-0.94	0.0	2.08e-04	4.91e-05
4738	139	1.66	-9.95	-0.78	0.0	7.18e-05	3.78e-04
4738	140	9.94	4.96	-0.93	0.0	3.12e-04	-5.40e-04
4738	156	6.41	9.85	-0.95	0.0	2.30e-04	5.76e-05
4738	171	1.83	-11.16	-0.77	0.0	7.67e-05	4.28e-04
4738	177	9.79	-0.90	-0.88	0.0	3.00e-04	-5.27e-04
4738	188	6.31	9.66	-0.94	0.0	2.26e-04	5.95e-05
4738	203	1.78	-11.06	-0.77	0.0	7.52e-05	4.28e-04
4738	209	11.38	-1.00	-0.89	0.0	3.44e-04	-6.09e-04
4738	220	7.31	11.26	-0.96	0.0	2.58e-04	7.57e-05
4738	235	1.97	-12.86	-0.75	0.0	8.06e-05	5.11e-04
4739	4	0.54	0.38	-1.62	0.0	6.00e-05	-1.98e-05
4739	44	0.47	-2.11	-1.39	0.0	5.18e-05	-1.93e-05
4739	68	0.38	0.23	-1.13	0.0	4.16e-05	-1.45e-05
4739	88	0.33	-1.43	-0.98	0.0	3.62e-05	-1.42e-05
4739	98	0.31	-0.33	-0.91	0.0	3.31e-05	-1.39e-05
4739	105	0.29	-0.53	-0.86	0.0	3.13e-05	-1.35e-05
4739	107	0.29	-0.32	-0.86	0.0	3.13e-05	-1.35e-05
4739	108	8.98	4.43	-0.94	0.0	2.60e-04	-4.86e-04
4739	124	5.82	8.88	-0.95	0.0	1.95e-04	4.98e-05
4739	139	1.69	-10.18	-0.79	0.0	6.68e-05	3.82e-04
4739	140	10.07	5.03	-0.94	0.0	2.89e-04	-5.46e-04
4739	156	6.51	10.03	-0.96	0.0	2.16e-04	5.82e-05
4739	171	1.86	-11.42	-0.78	0.0	7.12e-05	4.33e-04
4739	172	9.93	4.93	-0.94	0.0	2.83e-04	-5.33e-04
4739	188	6.41	9.84	-0.96	0.0	2.12e-04	6.03e-05
4739	203	1.81	-11.32	-0.78	0.0	6.98e-05	4.33e-04
4739	204	11.53	5.79	-0.96	0.0	3.25e-04	-6.17e-04
4739	220	7.42	11.47	-0.98	0.0	2.41e-04	7.64e-05
4739	235	2.01	-13.15	-0.77	0.0	7.45e-05	5.17e-04
4740	4	0.47	0.44	-1.49	0.0	6.49e-05	-1.68e-05
4740	44	0.40	-1.95	-1.29	0.0	5.76e-05	-2.60e-05
4740	68	0.33	0.27	-1.04	0.0	4.50e-05	-1.24e-05
4740	88	0.28	-1.32	-0.90	0.0	4.02e-05	-1.85e-05
4740	98	0.27	-0.28	-0.84	0.0	3.62e-05	-1.48e-05
4740	105	0.25	-0.47	-0.80	0.0	3.44e-05	-1.49e-05
4740	107	0.25	-0.26	-0.80	0.0	3.43e-05	-1.43e-05
4740	108	8.62	4.30	-0.85	0.0	3.24e-04	-4.75e-04
4740	124	5.60	8.53	-0.87	0.0	2.38e-04	4.98e-05
4740	139	1.67	-9.69	-0.74	0.0	8.55e-05	3.72e-04
4740	140	9.67	4.87	-0.86	0.0	3.61e-04	-5.33e-04
4740	156	6.28	9.63	-0.88	0.0	2.64e-04	5.83e-05
4740	171	1.84	-10.87	-0.73	0.0	9.18e-05	4.22e-04
4740	177	9.51	-0.85	-0.82	0.0	3.48e-04	-5.20e-04
4740	188	6.16	9.44	-0.88	0.0	2.58e-04	6.03e-05
4740	203	1.80	-10.78	-0.73	0.0	9.04e-05	4.21e-04
4740	209	11.04	-0.94	-0.83	0.0	3.98e-04	-6.01e-04
4740	220	7.13	11.00	-0.89	0.0	2.94e-04	7.64e-05
4740	235	2.00	-12.53	-0.72	0.0	9.80e-05	5.03e-04
4741	4	0.50	0.42	-1.51	0.0	6.27e-05	-1.81e-05
4741	44	0.43	-2.02	-1.30	0.0	5.67e-05	-2.30e-05
4741	68	0.35	0.26	-1.06	0.0	4.35e-05	-1.33e-05
4741	88	0.30	-1.37	-0.92	0.0	3.95e-05	-1.66e-05
4741	98	0.28	-0.30	-0.85	0.0	3.53e-05	-1.44e-05
4741	105	0.27	-0.50	-0.81	0.0	3.35e-05	-1.43e-05
4741	107	0.27	-0.29	-0.81	0.0	3.33e-05	-1.40e-05
4741	108	8.76	4.37	-0.86	0.0	2.68e-04	-4.81e-04
4741	124	5.71	8.72	-0.88	0.0	2.03e-04	4.99e-05
4741	139	1.71	-9.94	-0.75	0.0	7.35e-05	3.77e-04
4741	140	9.83	4.96	-0.87	0.0	2.97e-04	-5.40e-04
4741	156	6.39	9.85	-0.89	0.0	2.25e-04	5.84e-05
4741	171	1.88	-11.16	-0.74	0.0	7.84e-05	4.28e-04
4741	172	9.66	4.87	-0.87	0.0	2.91e-04	-5.27e-04
4741	188	6.28	9.66	-0.89	0.0	2.20e-04	6.04e-05
4741	203	1.84	-11.06	-0.74	0.0	7.71e-05	4.28e-04
4741	204	11.21	5.71	-0.88	0.0	3.33e-04	-6.09e-04
4741	220	7.26	11.25	-0.90	0.0	2.50e-04	7.66e-05
4741	235	2.04	-12.86	-0.73	0.0	8.27e-05	5.11e-04
4742	4	0.53	0.38	-1.55	0.0	6.16e-05	-1.88e-05
4742	44	0.46	-2.11	-1.34	0.0	5.62e-05	-1.91e-05
4742	68	0.37	0.23	-1.08	0.0	4.27e-05	-1.38e-05
4742	88	0.32	-1.43	-0.94	0.0	3.91e-05	-1.40e-05
4742	98	0.30	-0.33	-0.87	0.0	3.47e-05	-1.35e-05
4742	105	0.29	-0.53	-0.82	0.0	3.30e-05	-1.31e-05
4742	107	0.29	-0.32	-0.83	0.0	3.28e-05	-1.31e-05

4742	108	8.87	4.43	-0.88	0.0	2.46e-04	-4.86e-04
4742	124	5.80	8.89	-0.90	0.0	1.90e-04	5.00e-05
4742	139	1.74	-10.18	-0.76	0.0	6.88e-05	3.82e-04
4742	140	9.96	5.03	-0.89	0.0	2.73e-04	-5.46e-04
4742	156	6.49	10.03	-0.91	0.0	2.10e-04	5.84e-05
4742	171	1.92	-11.42	-0.76	0.0	7.32e-05	4.33e-04
4742	172	9.79	4.93	-0.89	0.0	2.67e-04	-5.33e-04
4742	188	6.37	9.84	-0.91	0.0	2.06e-04	6.05e-05
4742	203	1.87	-11.32	-0.76	0.0	7.19e-05	4.33e-04
4742	204	11.36	5.79	-0.90	0.0	3.06e-04	-6.17e-04
4742	220	7.37	11.47	-0.92	0.0	2.34e-04	7.66e-05
4742	235	2.08	-13.16	-0.74	0.0	7.68e-05	5.17e-04
4743	4	0.32	0.50	-1.34	0.0	7.52e-05	-2.00e-06
4743	44	0.27	-1.61	-1.15	0.0	5.33e-05	-1.38e-05
4743	68	0.22	0.32	-0.93	0.0	5.20e-05	-1.76e-06
4743	88	0.19	-1.09	-0.81	0.0	3.74e-05	-9.61e-06
4743	98	0.18	-0.17	-0.76	0.0	3.78e-05	-5.83e-06
4743	105	0.17	-0.35	-0.72	0.0	3.50e-05	-6.28e-06
4743	107	0.17	-0.17	-0.72	0.0	3.58e-05	-5.60e-06
4743	113	7.52	-0.56	-0.73	0.0	6.48e-04	-4.36e-04
4743	124	4.89	7.69	-0.77	0.0	4.40e-04	4.71e-05
4743	139	1.46	-8.56	-0.68	0.0	1.52e-04	3.46e-04
4743	145	8.44	-0.61	-0.73	0.0	7.25e-04	-4.90e-04
4743	156	5.48	8.67	-0.77	0.0	4.91e-04	5.42e-05
4743	171	1.62	-9.62	-0.67	0.0	1.66e-04	3.92e-04
4743	177	8.29	-0.61	-0.73	0.0	7.04e-04	-4.80e-04
4743	188	5.37	8.50	-0.77	0.0	4.77e-04	5.63e-05
4743	203	1.58	-9.53	-0.67	0.0	1.65e-04	3.93e-04
4743	209	9.62	-0.68	-0.73	0.0	8.10e-04	-5.57e-04
4743	220	6.21	9.89	-0.78	0.0	5.46e-04	7.01e-05
4743	235	1.77	-11.10	-0.66	0.0	1.84e-04	4.69e-04
4744	4	0.36	0.48	-1.37	0.0	7.24e-05	-1.63e-06
4744	44	0.30	-1.71	-1.18	0.0	5.46e-05	-2.19e-05
4744	68	0.25	0.31	-0.95	0.0	5.01e-05	-1.73e-06
4744	88	0.21	-1.15	-0.83	0.0	3.82e-05	-1.53e-05
4744	98	0.20	-0.20	-0.77	0.0	3.74e-05	-8.67e-06
4744	105	0.19	-0.38	-0.73	0.0	3.48e-05	-9.55e-06
4744	107	0.19	-0.19	-0.73	0.0	3.54e-05	-8.34e-06
4744	113	7.84	-0.62	-0.75	0.0	5.81e-04	-4.50e-04
4744	124	5.11	7.90	-0.78	0.0	3.99e-04	4.83e-05
4744	139	1.54	-8.86	-0.69	0.0	1.39e-04	3.53e-04
4744	145	8.81	-0.67	-0.75	0.0	6.50e-04	-5.05e-04
4744	156	5.72	8.91	-0.79	0.0	4.45e-04	5.59e-05
4744	171	1.71	-9.95	-0.69	0.0	1.52e-04	4.00e-04
4744	177	8.64	-0.67	-0.75	0.0	6.31e-04	-4.94e-04
4744	188	5.61	8.74	-0.79	0.0	4.32e-04	5.81e-05
4744	203	1.66	-9.86	-0.69	0.0	1.51e-04	4.01e-04
4744	209	10.03	-0.75	-0.75	0.0	7.26e-04	-5.72e-04
4744	220	6.49	10.18	-0.80	0.0	4.95e-04	7.28e-05
4744	235	1.86	-11.48	-0.68	0.0	1.67e-04	4.78e-04
4745	4	0.40	0.47	-1.38	0.0	6.87e-05	-2.50e-06
4745	44	0.33	-1.79	-1.20	0.0	5.63e-05	-2.72e-05
4745	68	0.28	0.30	-0.97	0.0	4.76e-05	-2.50e-06
4745	88	0.23	-1.21	-0.84	0.0	3.93e-05	-1.90e-05
4745	98	0.22	-0.23	-0.78	0.0	3.69e-05	-1.09e-05
4745	105	0.21	-0.41	-0.74	0.0	3.46e-05	-1.20e-05
4745	107	0.21	-0.22	-0.74	0.0	3.49e-05	-1.05e-05
4745	113	8.12	-0.68	-0.76	0.0	4.92e-04	-4.61e-04
4745	124	5.30	8.12	-0.79	0.0	3.45e-04	4.94e-05
4745	139	1.61	-9.15	-0.70	0.0	1.22e-04	3.60e-04
4745	145	9.12	-0.73	-0.76	0.0	5.49e-04	-5.18e-04
4745	156	5.94	9.16	-0.80	0.0	3.84e-04	5.74e-05
4745	171	1.78	-10.27	-0.70	0.0	1.33e-04	4.07e-04
4745	177	8.95	-0.73	-0.76	0.0	5.34e-04	-5.06e-04
4745	188	5.82	8.98	-0.80	0.0	3.73e-04	5.96e-05
4745	203	1.74	-10.18	-0.70	0.0	1.32e-04	4.07e-04
4745	209	10.38	-0.81	-0.76	0.0	6.14e-04	-5.85e-04
4745	220	6.73	10.46	-0.81	0.0	4.27e-04	7.50e-05
4745	235	1.95	-11.84	-0.69	0.0	1.46e-04	4.86e-04
4746	4	0.43	0.45	-1.40	0.0	6.50e-05	-4.95e-06
4746	44	0.36	-1.87	-1.21	0.0	5.80e-05	-2.90e-05
4746	68	0.30	0.29	-0.98	0.0	4.50e-05	-4.29e-06
4746	88	0.25	-1.26	-0.85	0.0	4.04e-05	-2.04e-05
4746	98	0.24	-0.25	-0.79	0.0	3.63e-05	-1.24e-05
4746	105	0.23	-0.44	-0.75	0.0	3.44e-05	-1.34e-05

4746	107	0.23	-0.24	-0.75	0.0	3.43e-05	-1.20e-05
4746	108	8.35	4.22	-0.79	0.0	4.00e-04	-4.69e-04
4746	124	5.47	8.33	-0.80	0.0	2.87e-04	5.01e-05
4746	139	1.67	-9.43	-0.71	0.0	1.04e-04	3.66e-04
4746	140	9.38	4.78	-0.79	0.0	4.46e-04	-5.26e-04
4746	156	6.12	9.40	-0.81	0.0	3.18e-04	5.83e-05
4746	171	1.85	-10.58	-0.70	0.0	1.13e-04	4.14e-04
4746	172	9.20	4.69	-0.79	0.0	4.34e-04	-5.13e-04
4746	188	6.00	9.22	-0.80	0.0	3.10e-04	6.05e-05
4746	203	1.80	-10.49	-0.70	0.0	1.11e-04	4.14e-04
4746	204	10.67	5.50	-0.80	0.0	4.98e-04	-5.94e-04
4746	220	6.93	10.74	-0.81	0.0	3.54e-04	7.64e-05
4746	235	2.02	-12.20	-0.70	0.0	1.22e-04	4.94e-04
4747	4	0.32	0.50	-1.29	0.0	7.83e-05	2.44e-06
4747	28	0.30	-1.11	-1.29	0.0	5.65e-05	-1.34e-05
4747	44	0.26	-1.61	-1.12	0.0	4.29e-05	-1.58e-05
4747	68	0.22	0.32	-0.90	0.0	5.38e-05	1.21e-06
4747	80	0.21	-0.75	-0.90	0.0	3.93e-05	-9.37e-06
4747	88	0.19	-1.09	-0.79	0.0	3.02e-05	-1.09e-05
4747	98	0.18	-0.17	-0.73	0.0	3.49e-05	-5.31e-06
4747	105	0.17	-0.35	-0.70	0.0	3.14e-05	-6.17e-06
4747	107	0.17	-0.17	-0.70	0.0	3.30e-05	-5.12e-06
4747	113	7.43	-0.56	-0.70	0.0	6.48e-04	-4.38e-04
4747	124	4.87	7.69	-0.71	0.0	4.45e-04	4.66e-05
4747	139	1.50	-8.57	-0.68	0.0	1.50e-04	3.46e-04
4747	145	8.34	-0.61	-0.70	0.0	7.26e-04	-4.92e-04
4747	156	5.46	8.67	-0.72	0.0	4.96e-04	5.36e-05
4747	171	1.67	-9.62	-0.68	0.0	1.64e-04	3.91e-04
4747	177	8.16	-0.61	-0.70	0.0	7.03e-04	-4.83e-04
4747	188	5.34	8.50	-0.72	0.0	4.81e-04	5.58e-05
4747	203	1.63	-9.54	-0.68	0.0	1.63e-04	3.93e-04
4747	209	9.46	-0.68	-0.71	0.0	8.08e-04	-5.60e-04
4747	220	6.17	9.90	-0.72	0.0	5.51e-04	6.95e-05
4747	235	1.83	-11.10	-0.68	0.0	1.82e-04	4.68e-04
4748	4	0.36	0.48	-1.32	0.0	7.35e-05	6.37e-06
4748	28	0.33	-1.19	-1.32	0.0	5.94e-05	-2.12e-05
4748	44	0.29	-1.71	-1.15	0.0	4.74e-05	-2.58e-05
4748	68	0.25	0.31	-0.92	0.0	5.06e-05	3.60e-06
4748	80	0.24	-0.81	-0.92	0.0	4.12e-05	-1.48e-05
4748	88	0.20	-1.15	-0.81	0.0	3.32e-05	-1.78e-05
4748	98	0.20	-0.20	-0.75	0.0	3.51e-05	-7.83e-06
4748	105	0.19	-0.38	-0.71	0.0	3.21e-05	-9.49e-06
4748	107	0.19	-0.19	-0.71	0.0	3.31e-05	-7.58e-06
4748	108	7.75	4.04	-0.73	0.0	5.88e-04	-4.51e-04
4748	124	5.10	7.90	-0.73	0.0	4.04e-04	4.80e-05
4748	139	1.58	-8.86	-0.70	0.0	1.39e-04	3.52e-04
4748	140	8.71	4.58	-0.73	0.0	6.58e-04	-5.07e-04
4748	156	5.71	8.91	-0.73	0.0	4.51e-04	5.55e-05
4748	171	1.75	-9.95	-0.70	0.0	1.52e-04	3.99e-04
4748	172	8.52	4.50	-0.73	0.0	6.38e-04	-4.96e-04
4748	188	5.58	8.74	-0.73	0.0	4.37e-04	5.79e-05
4748	203	1.72	-9.86	-0.70	0.0	1.51e-04	4.00e-04
4748	209	9.87	-0.75	-0.72	0.0	7.27e-04	-5.78e-04
4748	220	6.45	10.18	-0.73	0.0	5.01e-04	7.25e-05
4748	235	1.93	-11.48	-0.69	0.0	1.68e-04	4.77e-04
4749	4	0.40	0.47	-1.33	0.0	6.75e-05	7.47e-06
4749	28	0.37	-1.26	-1.34	0.0	6.26e-05	-2.63e-05
4749	44	0.31	-1.79	-1.17	0.0	5.26e-05	-3.21e-05
4749	68	0.28	0.30	-0.93	0.0	4.66e-05	4.14e-06
4749	80	0.26	-0.86	-0.93	0.0	4.33e-05	-1.84e-05
4749	88	0.22	-1.21	-0.82	0.0	3.66e-05	-2.22e-05
4749	98	0.22	-0.23	-0.76	0.0	3.51e-05	-9.86e-06
4749	105	0.20	-0.41	-0.72	0.0	3.27e-05	-1.19e-05
4749	107	0.21	-0.22	-0.72	0.0	3.31e-05	-9.55e-06
4749	108	8.04	4.13	-0.74	0.0	4.98e-04	-4.62e-04
4749	124	5.30	8.12	-0.74	0.0	3.48e-04	4.95e-05
4749	139	1.65	-9.15	-0.71	0.0	1.23e-04	3.59e-04
4749	140	9.03	4.68	-0.74	0.0	5.56e-04	-5.19e-04
4749	156	5.93	9.16	-0.74	0.0	3.88e-04	5.74e-05
4749	171	1.83	-10.27	-0.70	0.0	1.34e-04	4.06e-04
4749	172	8.83	4.59	-0.74	0.0	5.40e-04	-5.07e-04
4749	188	5.80	8.98	-0.74	0.0	3.77e-04	5.98e-05
4749	203	1.79	-10.18	-0.70	0.0	1.33e-04	4.07e-04
4749	204	10.23	5.38	-0.74	0.0	6.19e-04	-5.87e-04
4749	220	6.70	10.46	-0.74	0.0	4.31e-04	7.52e-05

4749	235	2.01	-11.84	-0.70	0.0	1.48e-04	4.86e-04
4750	4	0.43	0.45	-1.35	0.0	6.12e-05	4.99e-06
4750	28	0.40	-1.33	-1.35	0.0	6.60e-05	-2.84e-05
4750	44	0.34	-1.87	-1.18	0.0	5.80e-05	-3.39e-05
4750	68	0.30	0.29	-0.94	0.0	4.24e-05	2.34e-06
4750	80	0.28	-0.90	-0.94	0.0	4.55e-05	-1.99e-05
4750	88	0.24	-1.26	-0.83	0.0	4.02e-05	-2.36e-05
4750	98	0.23	-0.25	-0.77	0.0	3.50e-05	-1.14e-05
4750	105	0.22	-0.44	-0.73	0.0	3.34e-05	-1.33e-05
4750	107	0.22	-0.24	-0.73	0.0	3.30e-05	-1.10e-05
4750	108	8.27	4.22	-0.74	0.0	3.99e-04	-4.71e-04
4750	124	5.46	8.33	-0.75	0.0	2.88e-04	5.01e-05
4750	139	1.71	-9.43	-0.71	0.0	1.06e-04	3.65e-04
4750	140	9.29	4.78	-0.75	0.0	4.45e-04	-5.29e-04
4750	156	6.12	9.40	-0.75	0.0	3.19e-04	5.83e-05
4750	171	1.90	-10.58	-0.71	0.0	1.15e-04	4.13e-04
4750	172	9.08	4.69	-0.75	0.0	4.33e-04	-5.17e-04
4750	188	5.98	9.22	-0.75	0.0	3.11e-04	6.07e-05
4750	203	1.86	-10.49	-0.71	0.0	1.14e-04	4.14e-04
4750	204	10.52	5.50	-0.75	0.0	4.96e-04	-5.98e-04
4750	220	6.90	10.74	-0.75	0.0	3.55e-04	7.65e-05
4750	235	2.08	-12.20	-0.71	0.0	1.26e-04	4.94e-04
4751	4	0.32	0.50	-1.32	0.0	8.46e-05	6.31e-06
4751	28	0.30	-1.11	-1.34	0.0	4.81e-05	-1.47e-05
4751	44	0.25	-1.61	-1.17	0.0	3.14e-05	-1.84e-05
4751	68	0.23	0.33	-0.92	0.0	5.78e-05	3.76e-06
4751	80	0.21	-0.75	-0.93	0.0	3.34e-05	-1.03e-05
4751	88	0.18	-1.08	-0.82	0.0	2.23e-05	-1.27e-05
4751	98	0.18	-0.17	-0.76	0.0	3.26e-05	-5.19e-06
4751	105	0.17	-0.34	-0.72	0.0	2.80e-05	-6.48e-06
4751	107	0.17	-0.16	-0.72	0.0	3.07e-05	-5.04e-06
4751	108	7.34	3.96	-0.72	0.0	6.61e-04	-4.40e-04
4751	133	4.86	-7.38	-0.76	0.0	4.31e-04	4.16e-05
4751	139	1.55	-8.57	-0.75	0.0	1.48e-04	3.44e-04
4751	140	8.24	4.48	-0.72	0.0	7.40e-04	-4.94e-04
4751	165	5.44	-8.29	-0.76	0.0	4.80e-04	4.80e-05
4751	171	1.72	-9.62	-0.76	0.0	1.63e-04	3.90e-04
4751	172	8.04	4.40	-0.72	0.0	7.16e-04	-4.85e-04
4751	197	5.31	-8.20	-0.76	0.0	4.64e-04	5.03e-05
4751	203	1.69	-9.54	-0.76	0.0	1.62e-04	3.92e-04
4751	204	9.31	5.15	-0.72	0.0	8.22e-04	-5.64e-04
4751	229	6.14	-9.52	-0.77	0.0	5.32e-04	6.32e-05
4751	235	1.90	-11.11	-0.76	0.0	1.81e-04	4.68e-04
4752	4	0.37	0.48	-1.34	0.0	7.73e-05	1.36e-05
4752	28	0.32	-1.19	-1.36	0.0	5.27e-05	-2.39e-05
4752	44	0.27	-1.71	-1.19	0.0	3.86e-05	-3.10e-05
4752	68	0.26	0.31	-0.94	0.0	5.29e-05	8.36e-06
4752	80	0.23	-0.81	-0.95	0.0	3.66e-05	-1.67e-05
4752	88	0.19	-1.15	-0.84	0.0	2.72e-05	-2.13e-05
4752	98	0.19	-0.20	-0.77	0.0	3.29e-05	-7.73e-06
4752	105	0.18	-0.38	-0.73	0.0	2.92e-05	-1.02e-05
4752	107	0.18	-0.19	-0.73	0.0	3.10e-05	-7.52e-06
4752	108	7.68	4.05	-0.73	0.0	5.94e-04	-4.53e-04
4752	133	5.08	-7.65	-0.77	0.0	3.92e-04	4.05e-05
4752	139	1.62	-8.86	-0.77	0.0	1.38e-04	3.51e-04
4752	140	8.62	4.58	-0.73	0.0	6.65e-04	-5.09e-04
4752	165	5.69	-8.58	-0.78	0.0	4.37e-04	4.71e-05
4752	171	1.80	-9.95	-0.77	0.0	1.52e-04	3.98e-04
4752	172	8.41	4.50	-0.73	0.0	6.44e-04	-4.99e-04
4752	197	5.55	-8.49	-0.77	0.0	4.23e-04	4.92e-05
4752	203	1.77	-9.86	-0.77	0.0	1.51e-04	3.99e-04
4752	204	9.73	5.26	-0.73	0.0	7.39e-04	-5.79e-04
4752	229	6.41	-9.86	-0.78	0.0	4.84e-04	6.23e-05
4752	235	1.99	-11.48	-0.78	0.0	1.68e-04	4.76e-04
4753	4	0.40	0.47	-1.36	0.0	6.72e-05	1.66e-05
4753	28	0.35	-1.26	-1.37	0.0	5.89e-05	-2.99e-05
4753	44	0.29	-1.79	-1.21	0.0	4.83e-05	-3.87e-05
4753	68	0.28	0.30	-0.95	0.0	4.62e-05	1.02e-05
4753	80	0.25	-0.86	-0.96	0.0	4.07e-05	-2.08e-05
4753	88	0.21	-1.21	-0.85	0.0	3.36e-05	-2.67e-05
4753	98	0.21	-0.23	-0.78	0.0	3.33e-05	-9.75e-06
4753	105	0.20	-0.41	-0.74	0.0	3.07e-05	-1.28e-05
4753	107	0.20	-0.22	-0.74	0.0	3.14e-05	-9.51e-06
4753	108	7.96	4.13	-0.74	0.0	5.01e-04	-4.64e-04
4753	133	5.27	-7.91	-0.78	0.0	3.38e-04	4.01e-05

4753	139	1.69	-9.15	-0.78	0.0	1.24e-04	3.58e-04
4753	140	8.94	4.68	-0.74	0.0	5.60e-04	-5.21e-04
4753	165	5.90	-8.87	-0.79	0.0	3.76e-04	4.68e-05
4753	171	1.88	-10.27	-0.78	0.0	1.36e-04	4.05e-04
4753	172	8.72	4.59	-0.74	0.0	5.42e-04	-5.10e-04
4753	197	5.76	-8.78	-0.78	0.0	3.65e-04	4.88e-05
4753	203	1.85	-10.18	-0.78	0.0	1.35e-04	4.06e-04
4753	204	10.09	5.38	-0.74	0.0	6.22e-04	-5.91e-04
4753	229	6.64	-10.19	-0.79	0.0	4.17e-04	6.22e-05
4753	235	2.08	-11.84	-0.79	0.0	1.50e-04	4.85e-04
4754	4	0.44	0.45	-1.37	0.0	5.64e-05	1.41e-05
4754	28	0.38	-1.33	-1.39	0.0	6.54e-05	-3.19e-05
4754	44	0.32	-1.87	-1.22	0.0	5.85e-05	-4.05e-05
4754	68	0.30	0.29	-0.96	0.0	3.90e-05	8.36e-06
4754	80	0.27	-0.90	-0.97	0.0	4.50e-05	-2.23e-05
4754	88	0.23	-1.26	-0.86	0.0	4.04e-05	-2.81e-05
4754	98	0.23	-0.25	-0.79	0.0	3.37e-05	-1.12e-05
4754	105	0.21	-0.44	-0.75	0.0	3.23e-05	-1.42e-05
4754	107	0.22	-0.24	-0.75	0.0	3.17e-05	-1.10e-05
4754	108	8.20	4.22	-0.75	0.0	3.99e-04	-4.73e-04
4754	133	5.43	-8.16	-0.79	0.0	2.79e-04	4.04e-05
4754	139	1.75	-9.43	-0.79	0.0	1.09e-04	3.64e-04
4754	140	9.20	4.78	-0.75	0.0	4.45e-04	-5.31e-04
4754	165	6.08	-9.15	-0.79	0.0	3.10e-04	4.74e-05
4754	171	1.95	-10.58	-0.79	0.0	1.18e-04	4.12e-04
4754	172	8.97	4.69	-0.74	0.0	4.32e-04	-5.19e-04
4754	197	5.93	-9.06	-0.79	0.0	3.01e-04	4.95e-05
4754	203	1.91	-10.49	-0.79	0.0	1.17e-04	4.13e-04
4754	204	10.38	5.50	-0.74	0.0	4.94e-04	-6.02e-04
4754	229	6.84	-10.51	-0.80	0.0	3.43e-04	6.33e-05
4754	235	2.15	-12.20	-0.80	0.0	1.30e-04	4.93e-04
4755	4	0.33	0.51	-1.39	0.0	9.45e-05	9.20e-06
4755	28	0.29	-1.11	-1.42	0.0	3.74e-05	-1.66e-05
4755	44	0.24	-1.61	-1.26	0.0	1.64e-05	-2.14e-05
4755	68	0.23	0.33	-0.97	0.0	6.41e-05	5.61e-06
4755	80	0.20	-0.75	-1.00	0.0	2.60e-05	-1.16e-05
4755	88	0.17	-1.08	-0.88	0.0	1.20e-05	-1.48e-05
4755	98	0.17	-0.17	-0.81	0.0	2.99e-05	-5.55e-06
4755	105	0.16	-0.34	-0.77	0.0	2.38e-05	-7.21e-06
4755	107	0.17	-0.16	-0.77	0.0	2.80e-05	-5.41e-06
4755	108	7.26	3.96	-0.72	0.0	6.78e-04	-4.42e-04
4755	139	1.59	-8.57	-0.87	0.0	1.48e-04	3.44e-04
4755	140	8.16	4.48	-0.72	0.0	7.59e-04	-4.97e-04
4755	171	1.76	-9.62	-0.88	0.0	1.63e-04	3.89e-04
4755	172	7.93	4.40	-0.72	0.0	7.32e-04	-4.89e-04
4755	203	1.74	-9.54	-0.88	0.0	1.62e-04	3.91e-04
4755	204	9.17	5.15	-0.71	0.0	8.41e-04	-5.68e-04
4755	235	1.96	-11.11	-0.90	0.0	1.82e-04	4.67e-04
4756	4	0.38	0.48	-1.41	0.0	8.35e-05	1.89e-05
4756	28	0.31	-1.19	-1.45	0.0	4.47e-05	-2.74e-05
4756	44	0.25	-1.71	-1.28	0.0	2.76e-05	-3.65e-05
4756	68	0.26	0.31	-0.99	0.0	5.68e-05	1.18e-05
4756	80	0.22	-0.81	-1.01	0.0	3.09e-05	-1.91e-05
4756	88	0.18	-1.15	-0.90	0.0	1.95e-05	-2.52e-05
4756	98	0.19	-0.20	-0.82	0.0	3.06e-05	-8.37e-06
4756	103	0.19	-7.75e-03	-0.78	0.0	3.45e-05	-1.23e-06
4756	105	0.18	-0.38	-0.78	0.0	2.59e-05	-1.15e-05
4756	107	0.18	-0.19	-0.78	0.0	2.88e-05	-8.20e-06
4756	108	7.60	4.05	-0.73	0.0	6.04e-04	-4.55e-04
4756	139	1.66	-8.86	-0.89	0.0	1.38e-04	3.50e-04
4756	140	8.54	4.58	-0.73	0.0	6.76e-04	-5.11e-04
4756	171	1.85	-9.95	-0.90	0.0	1.52e-04	3.97e-04
4756	172	8.30	4.50	-0.73	0.0	6.53e-04	-5.02e-04
4756	203	1.82	-9.86	-0.90	0.0	1.51e-04	3.98e-04
4756	204	9.59	5.26	-0.72	0.0	7.49e-04	-5.82e-04
4756	235	2.06	-11.48	-0.92	0.0	1.69e-04	4.76e-04
4757	4	0.42	0.47	-1.43	0.0	6.79e-05	2.33e-05
4757	28	0.34	-1.26	-1.46	0.0	5.47e-05	-3.43e-05
4757	44	0.27	-1.79	-1.29	0.0	4.31e-05	-4.58e-05
4757	68	0.29	0.30	-1.00	0.0	4.65e-05	1.45e-05
4757	80	0.23	-0.86	-1.02	0.0	3.77e-05	-2.39e-05
4757	88	0.19	-1.21	-0.91	0.0	2.99e-05	-3.16e-05
4757	98	0.21	-0.23	-0.83	0.0	3.15e-05	-1.06e-05
4757	103	0.21	-0.03	-0.79	0.0	3.16e-05	-1.70e-06
4757	105	0.19	-0.41	-0.79	0.0	2.86e-05	-1.45e-05

4757	107	0.20	-0.22	-0.79	0.0	2.96e-05	-1.04e-05
4757	108	7.90	4.13	-0.74	0.0	5.05e-04	-4.66e-04
4757	139	1.73	-9.15	-0.90	0.0	1.25e-04	3.57e-04
4757	140	8.86	4.68	-0.74	0.0	5.64e-04	-5.24e-04
4757	171	1.92	-10.27	-0.91	0.0	1.37e-04	4.04e-04
4757	172	8.62	4.59	-0.74	0.0	5.45e-04	-5.13e-04
4757	203	1.90	-10.18	-0.91	0.0	1.36e-04	4.05e-04
4757	204	9.95	5.38	-0.73	0.0	6.25e-04	-5.95e-04
4757	235	2.14	-11.84	-0.93	0.0	1.52e-04	4.84e-04
4758	4	0.45	0.45	-1.45	0.0	5.06e-05	2.09e-05
4758	28	0.37	-1.33	-1.48	0.0	6.53e-05	-3.64e-05
4758	44	0.30	-1.87	-1.31	0.0	5.98e-05	-4.77e-05
4758	68	0.31	0.29	-1.01	0.0	3.50e-05	1.27e-05
4758	80	0.26	-0.90	-1.04	0.0	4.48e-05	-2.55e-05
4758	88	0.21	-1.27	-0.92	0.0	4.11e-05	-3.30e-05
4758	98	0.22	-0.25	-0.84	0.0	3.23e-05	-1.21e-05
4758	103	0.22	-0.04	-0.80	0.0	2.82e-05	-3.23e-06
4758	105	0.21	-0.44	-0.80	0.0	3.15e-05	-1.59e-05
4758	107	0.21	-0.24	-0.80	0.0	3.04e-05	-1.18e-05
4758	108	8.13	4.22	-0.75	0.0	3.98e-04	-4.75e-04
4758	139	1.79	-9.43	-0.91	0.0	1.11e-04	3.63e-04
4758	140	9.13	4.78	-0.74	0.0	4.44e-04	-5.34e-04
4758	171	1.99	-10.58	-0.92	0.0	1.21e-04	4.11e-04
4758	172	8.87	4.69	-0.74	0.0	4.30e-04	-5.22e-04
4758	203	1.97	-10.49	-0.92	0.0	1.21e-04	4.12e-04
4758	204	10.25	5.50	-0.74	0.0	4.92e-04	-6.05e-04
4758	235	2.22	-12.20	-0.94	0.0	1.34e-04	4.92e-04
4759	4	0.33	0.51	-1.51	0.0	1.07e-04	9.81e-06
4759	28	0.28	-1.11	-1.57	0.0	2.48e-05	-1.80e-05
4759	44	0.23	-1.61	-1.39	0.0	-1.53e-06	-2.33e-05
4759	68	0.23	0.33	-1.06	0.0	7.18e-05	5.90e-06
4759	80	0.20	-0.75	-1.10	0.0	1.73e-05	-1.26e-05
4759	88	0.16	-1.08	-0.98	0.0	0.0	-1.62e-05
4759	98	0.17	-0.17	-0.89	0.0	2.67e-05	-6.21e-06
4759	103	0.17	0.02	-0.84	0.0	3.70e-05	-1.86e-06
4759	105	0.16	-0.34	-0.85	0.0	1.88e-05	-8.04e-06
4759	107	0.16	-0.16	-0.85	0.0	2.49e-05	-6.09e-06
4759	108	7.19	3.96	-0.76	0.0	6.94e-04	-4.44e-04
4759	139	1.62	-8.57	-1.04	0.0	1.47e-04	3.43e-04
4759	140	8.08	4.48	-0.74	0.0	7.78e-04	-4.99e-04
4759	171	1.81	-9.62	-1.07	0.0	1.62e-04	3.88e-04
4759	172	7.83	4.40	-0.75	0.0	7.49e-04	-4.91e-04
4759	203	1.79	-9.54	-1.07	0.0	1.61e-04	3.91e-04
4759	204	9.03	5.15	-0.73	0.0	8.59e-04	-5.71e-04
4759	235	2.03	-11.11	-1.10	0.0	1.82e-04	4.67e-04
4760	18	0.39	1.08	-1.32	0.0	1.08e-04	4.33e-05
4760	28	0.29	-1.19	-1.59	0.0	3.53e-05	-3.00e-05
4760	44	0.23	-1.71	-1.42	0.0	1.45e-05	-4.01e-05
4760	75	0.27	0.71	-0.93	0.0	7.29e-05	2.78e-05
4760	80	0.21	-0.81	-1.12	0.0	2.44e-05	-2.11e-05
4760	88	0.17	-1.15	-1.00	0.0	1.05e-05	-2.78e-05
4760	98	0.19	-0.20	-0.90	0.0	2.80e-05	-9.61e-06
4760	103	0.19	-7.50e-03	-0.85	0.0	3.45e-05	-1.92e-06
4760	105	0.17	-0.38	-0.87	0.0	2.20e-05	-1.31e-05
4760	107	0.18	-0.19	-0.86	0.0	2.62e-05	-9.47e-06
4760	108	7.54	4.05	-0.77	0.0	6.15e-04	-4.58e-04
4760	139	1.70	-8.86	-1.06	0.0	1.37e-04	3.50e-04
4760	140	8.47	4.58	-0.76	0.0	6.89e-04	-5.14e-04
4760	171	1.89	-9.95	-1.09	0.0	1.51e-04	3.97e-04
4760	172	8.21	4.50	-0.76	0.0	6.63e-04	-5.04e-04
4760	203	1.87	-9.86	-1.09	0.0	1.50e-04	3.98e-04
4760	204	9.47	5.27	-0.74	0.0	7.61e-04	-5.86e-04
4760	235	2.12	-11.48	-1.12	0.0	1.69e-04	4.76e-04
4761	18	0.44	1.09	-1.34	0.0	6.92e-05	5.38e-05
4761	28	0.32	-1.26	-1.61	0.0	4.99e-05	-3.78e-05
4761	44	0.24	-1.79	-1.44	0.0	3.72e-05	-5.05e-05
4761	75	0.30	0.71	-0.95	0.0	4.71e-05	3.45e-05
4761	80	0.22	-0.86	-1.13	0.0	3.43e-05	-2.65e-05
4761	88	0.17	-1.21	-1.01	0.0	2.58e-05	-3.50e-05
4761	98	0.20	-0.23	-0.92	0.0	2.96e-05	-1.22e-05
4761	103	0.21	-0.03	-0.87	0.0	3.06e-05	-2.61e-06
4761	105	0.18	-0.41	-0.88	0.0	2.63e-05	-1.65e-05
4761	107	0.19	-0.22	-0.87	0.0	2.77e-05	-1.20e-05
4761	108	7.84	4.13	-0.78	0.0	5.09e-04	-4.69e-04
4761	139	1.77	-9.15	-1.08	0.0	1.25e-04	3.56e-04

4761	140	8.80	4.68	-0.76	0.0	5.70e-04	-5.27e-04
4761	171	1.97	-10.27	-1.11	0.0	1.38e-04	4.04e-04
4761	172	8.53	4.59	-0.77	0.0	5.49e-04	-5.16e-04
4761	203	1.95	-10.18	-1.11	0.0	1.37e-04	4.05e-04
4761	204	9.83	5.38	-0.75	0.0	6.30e-04	-5.98e-04
4761	235	2.21	-11.84	-1.14	0.0	1.54e-04	4.84e-04
4762	18	0.46	1.10	-1.36	0.0	2.60e-05	5.14e-05
4762	28	0.35	-1.33	-1.63	0.0	6.57e-05	-4.01e-05
4762	44	0.27	-1.88	-1.46	0.0	6.18e-05	-5.26e-05
4762	75	0.32	0.72	-0.96	0.0	1.85e-05	3.27e-05
4762	80	0.24	-0.90	-1.14	0.0	4.49e-05	-2.82e-05
4762	88	0.19	-1.27	-1.03	0.0	4.23e-05	-3.66e-05
4762	98	0.22	-0.25	-0.93	0.0	3.11e-05	-1.38e-05
4762	103	0.22	-0.04	-0.88	0.0	2.60e-05	-4.21e-06
4762	105	0.20	-0.44	-0.89	0.0	3.08e-05	-1.81e-05
4762	107	0.21	-0.24	-0.88	0.0	2.92e-05	-1.36e-05
4762	108	8.07	4.22	-0.78	0.0	3.98e-04	-4.78e-04
4762	139	1.83	-9.43	-1.10	0.0	1.14e-04	3.62e-04
4762	140	9.06	4.78	-0.77	0.0	4.44e-04	-5.37e-04
4762	171	2.04	-10.58	-1.12	0.0	1.24e-04	4.11e-04
4762	172	8.78	4.69	-0.77	0.0	4.29e-04	-5.26e-04
4762	203	2.02	-10.49	-1.12	0.0	1.24e-04	4.12e-04
4762	204	10.13	5.50	-0.76	0.0	4.91e-04	-6.09e-04
4762	235	2.28	-12.20	-1.16	0.0	1.39e-04	4.92e-04
4763	4	0.34	0.51	-1.70	0.0	1.18e-04	6.40e-06
4763	28	0.27	-1.11	-1.79	0.0	1.11e-05	-1.74e-05
4763	44	0.22	-1.61	-1.61	0.0	-2.08e-05	-2.19e-05
4763	68	0.24	0.33	-1.19	0.0	7.91e-05	3.51e-06
4763	80	0.19	-0.75	-1.26	0.0	7.60e-06	-1.23e-05
4763	88	0.15	-1.08	-1.13	0.0	-1.37e-05	-1.54e-05
4763	98	0.17	-0.17	-1.02	0.0	2.27e-05	-6.88e-06
4763	103	0.17	0.02	-0.96	0.0	3.68e-05	-3.15e-06
4763	105	0.15	-0.34	-0.98	0.0	1.30e-05	-8.44e-06
4763	107	0.16	-0.16	-0.97	0.0	2.09e-05	-6.79e-06
4763	108	7.13	3.96	-0.81	0.0	7.09e-04	-4.45e-04
4763	139	1.66	-8.57	-1.32	0.0	1.45e-04	3.43e-04
4763	140	8.01	4.48	-0.79	0.0	7.95e-04	-5.01e-04
4763	171	1.85	-9.63	-1.36	0.0	1.61e-04	3.89e-04
4763	172	7.74	4.40	-0.79	0.0	7.64e-04	-4.93e-04
4763	203	1.84	-9.54	-1.36	0.0	1.60e-04	3.92e-04
4763	204	8.92	5.15	-0.76	0.0	8.76e-04	-5.73e-04
4763	235	2.09	-11.11	-1.42	0.0	1.81e-04	4.68e-04
4764	18	0.41	1.08	-1.48	0.0	1.24e-04	3.37e-05
4764	28	0.28	-1.19	-1.82	0.0	2.49e-05	-2.93e-05
4764	44	0.21	-1.71	-1.63	0.0	0.0	-3.81e-05
4764	75	0.29	0.71	-1.05	0.0	8.31e-05	2.12e-05
4764	80	0.19	-0.81	-1.28	0.0	1.70e-05	-2.09e-05
4764	88	0.15	-1.15	-1.15	0.0	0.0	-2.67e-05
4764	98	0.18	-0.20	-1.03	0.0	2.48e-05	-1.11e-05
4764	103	0.19	-7.38e-03	-0.98	0.0	3.40e-05	-4.48e-06
4764	105	0.16	-0.38	-1.00	0.0	1.75e-05	-1.41e-05
4764	107	0.17	-0.19	-0.99	0.0	2.30e-05	-1.10e-05
4764	108	7.49	4.05	-0.82	0.0	6.26e-04	-4.60e-04
4764	139	1.74	-8.86	-1.34	0.0	1.36e-04	3.51e-04
4764	140	8.41	4.58	-0.80	0.0	7.02e-04	-5.17e-04
4764	171	1.93	-9.95	-1.39	0.0	1.51e-04	3.98e-04
4764	172	8.13	4.50	-0.80	0.0	6.75e-04	-5.07e-04
4764	203	1.92	-9.86	-1.38	0.0	1.50e-04	3.99e-04
4764	204	9.36	5.27	-0.77	0.0	7.73e-04	-5.89e-04
4764	235	2.18	-11.48	-1.45	0.0	1.69e-04	4.77e-04
4765	18	0.47	1.09	-1.50	0.0	7.33e-05	4.17e-05
4765	28	0.29	-1.26	-1.84	0.0	4.46e-05	-3.76e-05
4765	44	0.22	-1.79	-1.66	0.0	3.06e-05	-4.86e-05
4765	75	0.32	0.71	-1.06	0.0	4.97e-05	2.61e-05
4765	80	0.21	-0.86	-1.29	0.0	3.05e-05	-2.67e-05
4765	88	0.15	-1.21	-1.17	0.0	2.12e-05	-3.41e-05
4765	98	0.19	-0.23	-1.05	0.0	2.74e-05	-1.44e-05
4765	103	0.21	-0.03	-0.99	0.0	2.94e-05	-6.09e-06
4765	105	0.17	-0.41	-1.01	0.0	2.37e-05	-1.81e-05
4765	107	0.18	-0.22	-1.00	0.0	2.56e-05	-1.42e-05
4765	108	7.79	4.13	-0.83	0.0	5.15e-04	-4.73e-04
4765	139	1.80	-9.15	-1.36	0.0	1.26e-04	3.58e-04
4765	140	8.75	4.68	-0.81	0.0	5.76e-04	-5.31e-04
4765	171	2.01	-10.27	-1.41	0.0	1.39e-04	4.06e-04
4765	172	8.45	4.59	-0.81	0.0	5.55e-04	-5.20e-04

4765	203	2.00	-10.18	-1.41	0.0	1.38e-04	4.07e-04
4765	204	9.73	5.38	-0.78	0.0	6.36e-04	-6.03e-04
4765	235	2.27	-11.84	-1.47	0.0	1.56e-04	4.86e-04
4766	18	0.49	1.10	-1.52	0.0	1.67e-05	3.90e-05
4766	28	0.32	-1.33	-1.87	0.0	6.62e-05	-4.05e-05
4766	44	0.24	-1.88	-1.68	0.0	6.40e-05	-5.12e-05
4766	75	0.34	0.72	-1.08	0.0	1.22e-05	2.42e-05
4766	80	0.23	-0.90	-1.31	0.0	4.52e-05	-2.89e-05
4766	88	0.17	-1.27	-1.18	0.0	4.38e-05	-3.60e-05
4766	98	0.21	-0.25	-1.06	0.0	3.00e-05	-1.63e-05
4766	103	0.22	-0.04	-1.00	0.0	2.39e-05	-7.98e-06
4766	105	0.19	-0.44	-1.02	0.0	3.02e-05	-2.00e-05
4766	107	0.20	-0.24	-1.01	0.0	2.82e-05	-1.61e-05
4766	108	8.03	4.22	-0.84	0.0	3.98e-04	-4.83e-04
4766	139	1.87	-9.43	-1.38	0.0	1.16e-04	3.65e-04
4766	140	9.01	4.78	-0.82	0.0	4.45e-04	-5.42e-04
4766	171	2.08	-10.58	-1.43	0.0	1.28e-04	4.14e-04
4766	172	8.71	4.69	-0.82	0.0	4.29e-04	-5.30e-04
4766	203	2.07	-10.49	-1.42	0.0	1.28e-04	4.14e-04
4766	204	10.02	5.50	-0.79	0.0	4.90e-04	-6.14e-04
4766	235	2.35	-12.20	-1.49	0.0	1.43e-04	4.96e-04
4767	18	0.34	1.08	-1.70	0.0	1.73e-04	1.26e-06
4767	28	0.26	-1.11	-2.13	0.0	-1.74e-06	-1.26e-05
4767	44	0.21	-1.61	-1.92	0.0	-3.80e-05	-1.41e-05
4767	75	0.24	0.71	-1.21	0.0	1.15e-04	0.0
4767	80	0.18	-0.75	-1.49	0.0	-1.58e-06	-9.27e-06
4767	88	0.15	-1.08	-1.36	0.0	-2.57e-05	-1.03e-05
4767	98	0.16	-0.17	-1.21	0.0	1.79e-05	-7.15e-06
4767	103	0.17	0.02	-1.14	0.0	3.49e-05	-5.63e-06
4767	105	0.15	-0.34	-1.17	0.0	6.67e-06	-7.68e-06
4767	107	0.16	-0.16	-1.15	0.0	1.61e-05	-7.11e-06
4767	108	7.09	3.96	-0.89	0.0	7.26e-04	-4.46e-04
4767	139	1.70	-8.57	-1.73	0.0	1.45e-04	3.43e-04
4767	140	7.95	4.48	-0.85	0.0	8.15e-04	-5.02e-04
4767	171	1.89	-9.63	-1.81	0.0	1.61e-04	3.88e-04
4767	172	7.66	4.40	-0.86	0.0	7.81e-04	-4.94e-04
4767	203	1.89	-9.54	-1.80	0.0	1.61e-04	3.92e-04
4767	204	8.81	5.15	-0.81	0.0	8.95e-04	-5.75e-04
4767	235	2.15	-11.11	-1.91	0.0	1.83e-04	4.68e-04
4768	18	0.43	1.08	-1.72	0.0	1.35e-04	3.08e-06
4768	28	0.26	-1.19	-2.15	0.0	1.46e-05	-2.17e-05
4768	44	0.19	-1.71	-1.95	0.0	-1.31e-05	-2.48e-05
4768	75	0.30	0.71	-1.22	0.0	8.97e-05	0.0
4768	80	0.18	-0.81	-1.51	0.0	9.69e-06	-1.60e-05
4768	88	0.13	-1.15	-1.37	0.0	-8.81e-06	-1.81e-05
4768	98	0.17	-0.20	-1.22	0.0	2.07e-05	-1.22e-05
4768	103	0.19	-7.33e-03	-1.15	0.0	3.20e-05	-9.54e-06
4768	105	0.15	-0.38	-1.18	0.0	1.23e-05	-1.33e-05
4768	107	0.16	-0.19	-1.17	0.0	1.89e-05	-1.21e-05
4768	108	7.45	4.05	-0.90	0.0	6.40e-04	-4.63e-04
4768	139	1.77	-8.86	-1.76	0.0	1.36e-04	3.53e-04
4768	140	8.36	4.58	-0.86	0.0	7.18e-04	-5.20e-04
4768	171	1.98	-9.95	-1.83	0.0	1.51e-04	4.00e-04
4768	172	8.06	4.50	-0.87	0.0	6.88e-04	-5.11e-04
4768	203	1.97	-9.86	-1.82	0.0	1.51e-04	4.02e-04
4768	204	9.26	5.27	-0.82	0.0	7.89e-04	-5.93e-04
4768	235	2.25	-11.48	-1.93	0.0	1.72e-04	4.80e-04
4769	18	0.49	1.09	-1.74	0.0	7.55e-05	2.35e-06
4769	28	0.27	-1.26	-2.17	0.0	3.89e-05	-2.95e-05
4769	44	0.19	-1.79	-1.97	0.0	2.40e-05	-3.34e-05
4769	75	0.34	0.71	-1.23	0.0	5.08e-05	0.0
4769	80	0.19	-0.86	-1.53	0.0	2.64e-05	-2.17e-05
4769	88	0.13	-1.21	-1.39	0.0	1.65e-05	-2.43e-05
4769	98	0.18	-0.23	-1.23	0.0	2.46e-05	-1.67e-05
4769	103	0.20	-0.03	-1.16	0.0	2.74e-05	-1.33e-05
4769	105	0.16	-0.41	-1.19	0.0	2.05e-05	-1.81e-05
4769	107	0.17	-0.22	-1.18	0.0	2.28e-05	-1.66e-05
4769	108	7.76	4.13	-0.90	0.0	5.25e-04	-4.79e-04
4769	139	1.84	-9.15	-1.78	0.0	1.27e-04	3.64e-04
4769	140	8.71	4.68	-0.87	0.0	5.88e-04	-5.37e-04
4769	171	2.05	-10.27	-1.85	0.0	1.41e-04	4.13e-04
4769	172	8.39	4.59	-0.87	0.0	5.65e-04	-5.26e-04
4769	203	2.05	-10.18	-1.85	0.0	1.41e-04	4.14e-04
4769	204	9.64	5.38	-0.82	0.0	6.47e-04	-6.09e-04
4769	235	2.33	-11.85	-1.96	0.0	1.59e-04	4.95e-04

4770	18	0.51	1.10	-1.75	0.0	9.09e-06	0.0
4770	28	0.30	-1.33	-2.19	0.0	6.60e-05	-3.38e-05
4770	44	0.21	-1.88	-1.98	0.0	6.54e-05	-3.74e-05
4770	75	0.35	0.72	-1.25	0.0	7.08e-06	-2.80e-06
4770	80	0.21	-0.91	-1.54	0.0	4.50e-05	-2.48e-05
4770	88	0.15	-1.27	-1.40	0.0	4.46e-05	-2.72e-05
4770	98	0.20	-0.25	-1.24	0.0	2.89e-05	-1.96e-05
4770	103	0.22	-0.04	-1.17	0.0	2.21e-05	-1.60e-05
4770	105	0.18	-0.44	-1.20	0.0	2.96e-05	-2.08e-05
4770	107	0.19	-0.24	-1.19	0.0	2.71e-05	-1.94e-05
4770	108	8.00	4.22	-0.91	0.0	4.03e-04	-4.91e-04
4770	139	1.91	-9.43	-1.79	0.0	1.20e-04	3.74e-04
4770	140	8.98	4.78	-0.87	0.0	4.50e-04	-5.50e-04
4770	171	2.12	-10.58	-1.87	0.0	1.31e-04	4.25e-04
4770	172	8.65	4.69	-0.88	0.0	4.33e-04	-5.38e-04
4770	203	2.12	-10.49	-1.86	0.0	1.32e-04	4.24e-04
4770	204	9.94	5.50	-0.83	0.0	4.95e-04	-6.21e-04
4770	235	2.41	-12.20	-1.97	0.0	1.48e-04	5.07e-04
4771	4	0.46	0.44	-1.41	0.0	6.19e-05	-8.73e-06
4771	44	0.39	-1.95	-1.23	0.0	5.95e-05	-2.77e-05
4771	68	0.32	0.27	-0.99	0.0	4.29e-05	-6.93e-06
4771	88	0.27	-1.32	-0.86	0.0	4.13e-05	-1.96e-05
4771	98	0.26	-0.28	-0.80	0.0	3.58e-05	-1.32e-05
4771	105	0.25	-0.47	-0.76	0.0	3.42e-05	-1.39e-05
4771	107	0.25	-0.26	-0.76	0.0	3.38e-05	-1.28e-05
4771	108	8.53	4.30	-0.79	0.0	3.18e-04	-4.76e-04
4771	124	5.59	8.53	-0.81	0.0	2.36e-04	5.01e-05
4771	139	1.72	-9.69	-0.72	0.0	8.80e-05	3.71e-04
4771	140	9.57	4.87	-0.80	0.0	3.54e-04	-5.34e-04
4771	156	6.26	9.63	-0.81	0.0	2.62e-04	5.85e-05
4771	171	1.90	-10.87	-0.71	0.0	9.47e-05	4.21e-04
4771	172	9.39	4.78	-0.80	0.0	3.45e-04	-5.21e-04
4771	188	6.14	9.44	-0.81	0.0	2.56e-04	6.07e-05
4771	203	1.85	-10.77	-0.71	0.0	9.35e-05	4.21e-04
4771	204	10.88	5.60	-0.80	0.0	3.95e-04	-6.03e-04
4771	220	7.09	11.00	-0.82	0.0	2.91e-04	7.67e-05
4771	235	2.07	-12.53	-0.70	0.0	1.02e-04	5.02e-04
4772	4	0.49	0.41	-1.43	0.0	5.97e-05	-1.34e-05
4772	44	0.42	-2.03	-1.24	0.0	6.05e-05	-2.39e-05
4772	68	0.34	0.26	-1.00	0.0	4.14e-05	-1.01e-05
4772	88	0.29	-1.37	-0.87	0.0	4.19e-05	-1.71e-05
4772	98	0.28	-0.30	-0.81	0.0	3.55e-05	-1.34e-05
4772	105	0.26	-0.50	-0.77	0.0	3.41e-05	-1.37e-05
4772	107	0.26	-0.29	-0.77	0.0	3.35e-05	-1.30e-05
4772	108	8.66	4.37	-0.80	0.0	2.58e-04	-4.82e-04
4772	124	5.70	8.72	-0.82	0.0	2.00e-04	5.00e-05
4772	139	1.75	-9.94	-0.73	0.0	7.64e-05	3.77e-04
4772	140	9.72	4.96	-0.81	0.0	2.86e-04	-5.41e-04
4772	156	6.38	9.84	-0.82	0.0	2.20e-04	5.84e-05
4772	171	1.94	-11.16	-0.72	0.0	8.17e-05	4.27e-04
4772	172	9.53	4.86	-0.81	0.0	2.80e-04	-5.28e-04
4772	188	6.25	9.65	-0.82	0.0	2.16e-04	6.06e-05
4772	203	1.90	-11.05	-0.72	0.0	8.05e-05	4.27e-04
4772	204	11.05	5.71	-0.81	0.0	3.20e-04	-6.11e-04
4772	220	7.22	11.25	-0.83	0.0	2.45e-04	7.66e-05
4772	235	2.12	-12.86	-0.71	0.0	8.68e-05	5.10e-04
4773	4	0.52	0.38	-1.46	0.0	5.86e-05	-1.78e-05
4773	44	0.45	-2.11	-1.28	0.0	6.09e-05	-1.92e-05
4773	68	0.36	0.23	-1.02	0.0	4.07e-05	-1.31e-05
4773	88	0.32	-1.43	-0.90	0.0	4.22e-05	-1.41e-05
4773	98	0.29	-0.33	-0.82	0.0	3.53e-05	-1.32e-05
4773	105	0.28	-0.53	-0.78	0.0	3.40e-05	-1.30e-05
4773	107	0.28	-0.32	-0.78	0.0	3.33e-05	-1.29e-05
4773	108	8.78	4.43	-0.82	0.0	2.35e-04	-4.86e-04
4773	124	5.79	8.89	-0.83	0.0	1.86e-04	5.00e-05
4773	139	1.79	-10.18	-0.74	0.0	7.19e-05	3.82e-04
4773	140	9.85	5.03	-0.82	0.0	2.61e-04	-5.46e-04
4773	156	6.48	10.03	-0.84	0.0	2.05e-04	5.84e-05
4773	171	1.98	-11.42	-0.74	0.0	7.66e-05	4.33e-04
4773	172	9.66	4.93	-0.82	0.0	2.55e-04	-5.33e-04
4773	188	6.34	9.84	-0.84	0.0	2.01e-04	6.05e-05
4773	203	1.93	-11.32	-0.74	0.0	7.55e-05	4.33e-04
4773	204	11.19	5.79	-0.83	0.0	2.91e-04	-6.17e-04
4773	220	7.33	11.47	-0.84	0.0	2.28e-04	7.66e-05
4773	235	2.15	-13.16	-0.73	0.0	8.10e-05	5.17e-04

4774	4	0.46	0.44	-1.36	0.0	5.61e-05	0.0
4774	28	0.43	-1.40	-1.36	0.0	6.88e-05	-2.75e-05
4774	44	0.37	-1.95	-1.19	0.0	6.25e-05	-3.15e-05
4774	68	0.32	0.27	-0.95	0.0	3.89e-05	-1.58e-06
4774	80	0.30	-0.95	-0.95	0.0	4.74e-05	-1.94e-05
4774	88	0.26	-1.32	-0.84	0.0	4.32e-05	-2.21e-05
4774	98	0.25	-0.28	-0.77	0.0	3.50e-05	-1.23e-05
4774	105	0.24	-0.47	-0.73	0.0	3.39e-05	-1.38e-05
4774	107	0.24	-0.26	-0.73	0.0	3.30e-05	-1.20e-05
4774	108	8.45	4.30	-0.75	0.0	3.15e-04	-4.78e-04
4774	124	5.59	8.53	-0.75	0.0	2.35e-04	5.00e-05
4774	139	1.76	-9.69	-0.72	0.0	9.15e-05	3.70e-04
4774	140	9.48	4.87	-0.75	0.0	3.50e-04	-5.36e-04
4774	156	6.26	9.63	-0.76	0.0	2.61e-04	5.83e-05
4774	171	1.95	-10.87	-0.72	0.0	9.87e-05	4.20e-04
4774	172	9.27	4.78	-0.75	0.0	3.41e-04	-5.24e-04
4774	188	6.12	9.44	-0.75	0.0	2.55e-04	6.06e-05
4774	203	1.91	-10.77	-0.72	0.0	9.77e-05	4.20e-04
4774	204	10.73	5.60	-0.75	0.0	3.90e-04	-6.07e-04
4774	220	7.06	11.00	-0.76	0.0	2.90e-04	7.66e-05
4774	235	2.14	-12.53	-0.71	0.0	1.07e-04	5.02e-04
4775	4	0.49	0.41	-1.37	0.0	5.26e-05	-8.89e-06
4775	28	0.47	-1.46	-1.37	0.0	7.09e-05	-2.46e-05
4775	44	0.41	-2.03	-1.20	0.0	6.58e-05	-2.61e-05
4775	68	0.34	0.26	-0.96	0.0	3.66e-05	-7.13e-06
4775	80	0.33	-0.99	-0.96	0.0	4.88e-05	-1.76e-05
4775	88	0.29	-1.37	-0.85	0.0	4.53e-05	-1.86e-05
4775	98	0.27	-0.30	-0.78	0.0	3.51e-05	-1.29e-05
4775	105	0.26	-0.50	-0.74	0.0	3.44e-05	-1.36e-05
4775	107	0.26	-0.29	-0.74	0.0	3.30e-05	-1.26e-05
4775	108	8.58	4.37	-0.76	0.0	2.54e-04	-4.83e-04
4775	124	5.69	8.72	-0.76	0.0	1.98e-04	4.93e-05
4775	139	1.80	-9.94	-0.72	0.0	8.10e-05	3.76e-04
4775	140	9.63	4.95	-0.76	0.0	2.82e-04	-5.43e-04
4775	156	6.37	9.84	-0.76	0.0	2.19e-04	5.76e-05
4775	171	1.99	-11.16	-0.72	0.0	8.69e-05	4.26e-04
4775	172	9.41	4.86	-0.76	0.0	2.76e-04	-5.31e-04
4775	188	6.23	9.65	-0.76	0.0	2.14e-04	5.99e-05
4775	203	1.96	-11.05	-0.72	0.0	8.59e-05	4.27e-04
4775	204	10.90	5.70	-0.76	0.0	3.14e-04	-6.14e-04
4775	220	7.19	11.25	-0.77	0.0	2.43e-04	7.58e-05
4775	235	2.19	-12.85	-0.72	0.0	9.33e-05	5.10e-04
4776	4	0.51	0.38	-1.40	1.88e-04	9.67e-06	-2.00e-05
4776	28	0.51	-1.54	-1.40	2.30e-04	7.87e-05	-2.07e-05
4776	44	0.44	-2.11	-1.23	2.24e-04	8.69e-05	-1.90e-05
4776	68	0.36	0.23	-0.98	1.35e-04	8.22e-06	-1.46e-05
4776	80	0.35	-1.05	-0.98	1.63e-04	5.42e-05	-1.51e-05
4776	88	0.31	-1.43	-0.86	1.59e-04	5.97e-05	-1.40e-05
4776	98	0.29	-0.33	-0.79	1.29e-04	3.17e-05	-1.38e-05
4776	105	0.27	-0.53	-0.75	1.30e-04	3.52e-05	-1.34e-05
4776	107	0.27	-0.32	-0.75	1.25e-04	3.01e-05	-1.35e-05
4776	108	8.69	4.43	-0.77	4.21e-05	1.55e-04	-4.90e-04
4776	124	5.78	8.89	-0.77	-3.92e-05	1.19e-04	4.73e-05
4776	139	1.84	-10.19	-0.73	2.96e-04	7.27e-05	3.81e-04
4776	140	9.75	5.03	-0.77	3.17e-05	1.70e-04	-5.50e-04
4776	156	6.47	10.03	-0.78	-5.96e-05	1.30e-04	5.54e-05
4776	171	2.03	-11.43	-0.73	3.18e-04	7.80e-05	4.32e-04
4776	172	9.53	4.93	-0.77	3.32e-05	1.67e-04	-5.38e-04
4776	188	6.32	9.84	-0.78	-5.62e-05	1.27e-04	5.77e-05
4776	203	2.00	-11.32	-0.73	3.16e-04	7.74e-05	4.33e-04
4776	204	11.03	5.79	-0.77	1.81e-05	1.89e-04	-6.24e-04
4776	220	7.29	11.47	-0.78	-8.53e-05	1.43e-04	7.33e-05
4776	235	2.23	-13.16	-0.72	3.48e-04	8.43e-05	5.18e-04
4777	4	0.46	0.43	-1.39	0.0	4.72e-05	6.62e-06
4777	28	0.42	-1.40	-1.40	0.0	7.09e-05	-3.04e-05
4777	44	0.35	-1.95	-1.24	0.0	6.70e-05	-3.69e-05
4777	68	0.32	0.27	-0.97	0.0	3.29e-05	3.24e-06
4777	80	0.29	-0.95	-0.98	0.0	4.86e-05	-2.14e-05
4777	88	0.25	-1.32	-0.87	0.0	4.61e-05	-2.58e-05
4777	98	0.25	-0.28	-0.80	0.0	3.39e-05	-1.22e-05
4777	105	0.23	-0.47	-0.76	0.0	3.36e-05	-1.46e-05
4777	107	0.23	-0.26	-0.76	0.0	3.19e-05	-1.20e-05
4777	108	8.37	4.30	-0.75	0.0	3.11e-04	-4.80e-04
4777	133	5.55	-8.40	-0.80	0.0	2.28e-04	4.17e-05
4777	139	1.80	-9.69	-0.79	0.0	9.54e-05	3.69e-04

4777	140	9.39	4.87	-0.75	0.0	3.46e-04	-5.38e-04
4777	165	6.22	-9.42	-0.80	0.0	2.53e-04	4.89e-05
4777	171	2.00	-10.87	-0.80	0.0	1.03e-04	4.18e-04
4777	172	9.16	4.78	-0.75	0.0	3.37e-04	-5.27e-04
4777	197	6.06	-9.32	-0.80	0.0	2.46e-04	5.11e-05
4777	203	1.97	-10.77	-0.80	0.0	1.03e-04	4.19e-04
4777	204	10.59	5.60	-0.75	0.0	3.85e-04	-6.10e-04
4777	229	7.00	-10.81	-0.81	0.0	2.80e-04	6.54e-05
4777	235	2.21	-12.53	-0.80	0.0	1.13e-04	5.01e-04
4778	4	0.48	0.41	-1.41	0.0	4.08e-05	-4.84e-06
4778	28	0.46	-1.47	-1.43	0.0	7.46e-05	-2.64e-05
4778	44	0.39	-2.03	-1.26	0.0	7.30e-05	-2.93e-05
4778	68	0.34	0.25	-0.98	0.0	2.86e-05	-4.47e-06
4778	80	0.32	-1.00	-1.00	0.0	5.11e-05	-1.88e-05
4778	88	0.27	-1.37	-0.88	0.0	5.00e-05	-2.08e-05
4778	98	0.26	-0.30	-0.81	0.0	3.40e-05	-1.30e-05
4778	105	0.25	-0.50	-0.77	0.0	3.45e-05	-1.41e-05
4778	107	0.25	-0.29	-0.77	0.0	3.20e-05	-1.27e-05
4778	108	8.50	4.37	-0.76	0.0	2.50e-04	-4.85e-04
4778	133	5.65	-8.63	-0.81	0.0	1.93e-04	4.37e-05
4778	139	1.85	-9.94	-0.81	0.0	8.62e-05	3.75e-04
4778	140	9.54	4.95	-0.76	0.0	2.77e-04	-5.45e-04
4778	165	6.33	-9.68	-0.81	0.0	2.13e-04	5.14e-05
4778	171	2.05	-11.16	-0.81	0.0	9.29e-05	4.25e-04
4778	172	9.30	4.86	-0.76	0.0	2.70e-04	-5.33e-04
4778	197	6.17	-9.58	-0.81	0.0	2.08e-04	5.38e-05
4778	203	2.01	-11.05	-0.81	0.0	9.22e-05	4.26e-04
4778	204	10.75	5.70	-0.76	0.0	3.08e-04	-6.18e-04
4778	229	7.12	-11.10	-0.82	0.0	2.36e-04	6.88e-05
4778	235	2.26	-12.85	-0.82	0.0	1.01e-04	5.09e-04
4779	4	0.50	0.38	-1.45	2.01e-04	9.67e-06	-1.99e-05
4779	28	0.49	-1.54	-1.46	2.45e-04	7.87e-05	-2.05e-05
4779	44	0.43	-2.11	-1.29	2.37e-04	8.69e-05	-1.88e-05
4779	68	0.35	0.23	-1.01	1.44e-04	8.22e-06	-1.46e-05
4779	80	0.34	-1.05	-1.02	1.74e-04	5.42e-05	-1.50e-05
4779	88	0.30	-1.43	-0.91	1.69e-04	5.97e-05	-1.38e-05
4779	98	0.28	-0.33	-0.83	1.38e-04	3.17e-05	-1.37e-05
4779	105	0.27	-0.53	-0.79	1.38e-04	3.52e-05	-1.33e-05
4779	107	0.27	-0.32	-0.79	1.33e-04	3.01e-05	-1.34e-05
4779	108	8.61	4.43	-0.78	4.49e-05	1.55e-04	-4.91e-04
4779	133	5.74	-8.85	-0.83	2.94e-04	1.36e-04	4.59e-05
4779	139	1.89	-10.19	-0.82	3.18e-04	7.27e-05	3.81e-04
4779	140	9.66	5.03	-0.78	3.38e-05	1.70e-04	-5.51e-04
4779	165	6.42	-9.92	-0.83	3.14e-04	1.50e-04	5.40e-05
4779	171	2.09	-11.43	-0.83	3.41e-04	7.80e-05	4.31e-04
4779	172	9.42	4.93	-0.78	3.54e-05	1.67e-04	-5.40e-04
4779	197	6.27	-9.82	-0.83	3.12e-04	1.47e-04	5.66e-05
4779	203	2.06	-11.32	-0.83	3.39e-04	7.74e-05	4.33e-04
4779	204	10.88	5.79	-0.78	1.93e-05	1.89e-04	-6.26e-04
4779	229	7.22	-11.38	-0.84	3.41e-04	1.66e-04	7.23e-05
4779	235	2.31	-13.16	-0.84	3.73e-04	8.43e-05	5.17e-04
4780	4	0.47	0.43	-1.46	0.0	3.59e-05	1.20e-05
4780	28	0.40	-1.40	-1.50	0.0	7.42e-05	-3.41e-05
4780	44	0.33	-1.95	-1.33	0.0	7.38e-05	-4.27e-05
4780	68	0.32	0.27	-1.02	0.0	2.52e-05	6.68e-06
4780	80	0.28	-0.95	-1.05	0.0	5.08e-05	-2.40e-05
4780	88	0.23	-1.32	-0.93	0.0	5.05e-05	-2.98e-05
4780	98	0.24	-0.28	-0.85	0.0	3.29e-05	-1.30e-05
4780	105	0.22	-0.47	-0.81	0.0	3.38e-05	-1.60e-05
4780	107	0.23	-0.27	-0.81	0.0	3.09e-05	-1.27e-05
4780	108	8.30	4.30	-0.76	0.0	3.07e-04	-4.82e-04
4780	139	1.85	-9.69	-0.92	0.0	9.98e-05	3.68e-04
4780	140	9.32	4.87	-0.75	0.0	3.41e-04	-5.41e-04
4780	171	2.05	-10.87	-0.93	0.0	1.08e-04	4.17e-04
4780	172	9.06	4.78	-0.75	0.0	3.31e-04	-5.30e-04
4780	203	2.02	-10.77	-0.93	0.0	1.08e-04	4.18e-04
4780	204	10.46	5.60	-0.74	0.0	3.79e-04	-6.14e-04
4780	235	2.28	-12.53	-0.95	0.0	1.19e-04	5.00e-04
4781	4	0.48	0.41	-1.48	0.0	2.54e-05	-1.87e-06
4781	28	0.44	-1.47	-1.52	0.0	8.03e-05	-2.86e-05
4781	44	0.37	-2.03	-1.35	0.0	8.36e-05	-3.28e-05
4781	68	0.33	0.25	-1.04	0.0	1.82e-05	-2.57e-06
4781	80	0.31	-1.00	-1.06	0.0	5.49e-05	-2.04e-05
4781	88	0.26	-1.37	-0.95	0.0	5.70e-05	-2.32e-05
4781	98	0.26	-0.30	-0.86	0.0	3.33e-05	-1.34e-05

4781	105	0.24	-0.50	-0.82	0.0	3.53e-05	-1.50e-05
4781	107	0.24	-0.29	-0.82	0.0	3.13e-05	-1.31e-05
4781	108	8.43	4.37	-0.77	0.0	2.41e-04	-4.87e-04
4781	139	1.89	-9.94	-0.93	0.0	9.18e-05	3.74e-04
4781	140	9.46	4.95	-0.76	0.0	2.67e-04	-5.47e-04
4781	171	2.10	-11.16	-0.95	0.0	9.94e-05	4.24e-04
4781	172	9.20	4.86	-0.76	0.0	2.60e-04	-5.36e-04
4781	203	2.07	-11.05	-0.95	0.0	9.89e-05	4.25e-04
4781	204	10.61	5.70	-0.75	0.0	2.96e-04	-6.21e-04
4781	235	2.34	-12.85	-0.97	0.0	1.09e-04	5.08e-04
4782	4	0.49	0.37	-1.52	2.50e-04	9.67e-06	-1.99e-05
4782	28	0.48	-1.54	-1.56	3.01e-04	7.87e-05	-2.04e-05
4782	44	0.42	-2.11	-1.39	2.89e-04	8.69e-05	-1.86e-05
4782	68	0.34	0.23	-1.07	1.79e-04	8.22e-06	-1.46e-05
4782	80	0.34	-1.05	-1.09	2.13e-04	5.42e-05	-1.49e-05
4782	88	0.29	-1.43	-0.98	2.06e-04	5.97e-05	-1.37e-05
4782	98	0.27	-0.34	-0.88	1.71e-04	3.17e-05	-1.36e-05
4782	105	0.26	-0.53	-0.84	1.70e-04	3.52e-05	-1.32e-05
4782	107	0.26	-0.32	-0.84	1.65e-04	3.01e-05	-1.33e-05
4782	108	8.53	4.43	-0.79	5.85e-05	1.55e-04	-4.92e-04
4782	139	1.93	-10.19	-0.95	3.89e-04	7.27e-05	3.80e-04
4782	140	9.57	5.03	-0.78	4.52e-05	1.70e-04	-5.52e-04
4782	171	2.14	-11.43	-0.97	4.17e-04	7.80e-05	4.30e-04
4782	172	9.31	4.93	-0.78	4.71e-05	1.67e-04	-5.41e-04
4782	203	2.12	-11.32	-0.97	4.14e-04	7.74e-05	4.32e-04
4782	204	10.74	5.79	-0.77	2.79e-05	1.89e-04	-6.28e-04
4782	235	2.39	-13.16	-0.99	4.56e-04	8.43e-05	5.17e-04
4783	4	0.48	0.43	-1.59	0.0	2.28e-05	1.30e-05
4783	28	0.38	-1.40	-1.65	0.0	7.88e-05	-3.73e-05
4783	44	0.31	-1.95	-1.48	0.0	8.25e-05	-4.69e-05
4783	68	0.33	0.27	-1.12	0.0	1.65e-05	7.13e-06
4783	80	0.27	-0.95	-1.16	0.0	5.38e-05	-2.64e-05
4783	88	0.22	-1.32	-1.04	0.0	5.63e-05	-3.28e-05
4783	98	0.23	-0.28	-0.94	0.0	3.22e-05	-1.44e-05
4783	103	0.23	-0.06	-0.89	0.0	2.20e-05	-6.61e-06
4783	105	0.21	-0.47	-0.90	0.0	3.44e-05	-1.78e-05
4783	107	0.22	-0.27	-0.89	0.0	3.03e-05	-1.42e-05
4783	108	8.24	4.30	-0.79	0.0	3.02e-04	-4.85e-04
4783	139	1.89	-9.69	-1.11	0.0	1.05e-04	3.68e-04
4783	140	9.25	4.87	-0.78	0.0	3.36e-04	-5.44e-04
4783	171	2.09	-10.87	-1.14	0.0	1.14e-04	4.17e-04
4783	172	8.97	4.78	-0.78	0.0	3.26e-04	-5.33e-04
4783	203	2.07	-10.77	-1.13	0.0	1.14e-04	4.18e-04
4783	204	10.34	5.60	-0.76	0.0	3.72e-04	-6.17e-04
4783	235	2.35	-12.53	-1.17	0.0	1.26e-04	5.00e-04
4784	4	0.48	0.41	-1.61	0.0	7.59e-06	-1.39e-06
4784	28	0.43	-1.47	-1.68	0.0	8.81e-05	-3.05e-05
4784	44	0.36	-2.03	-1.50	0.0	9.72e-05	-3.52e-05
4784	68	0.33	0.25	-1.13	0.0	6.41e-06	-2.38e-06
4784	80	0.30	-1.00	-1.17	0.0	6.01e-05	-2.18e-05
4784	88	0.25	-1.37	-1.06	0.0	6.61e-05	-2.49e-05
4784	98	0.25	-0.31	-0.95	0.0	3.30e-05	-1.43e-05
4784	105	0.23	-0.50	-0.91	0.0	3.70e-05	-1.61e-05
4784	107	0.24	-0.29	-0.90	0.0	3.10e-05	-1.41e-05
4784	108	8.37	4.37	-0.80	0.0	2.34e-04	-4.89e-04
4784	139	1.93	-9.94	-1.12	0.0	9.86e-05	3.74e-04
4784	140	9.39	4.95	-0.79	0.0	2.59e-04	-5.49e-04
4784	171	2.15	-11.16	-1.15	0.0	1.07e-04	4.24e-04
4784	172	9.10	4.86	-0.79	0.0	2.52e-04	-5.38e-04
4784	203	2.13	-11.05	-1.15	0.0	1.07e-04	4.25e-04
4784	204	10.49	5.70	-0.77	0.0	2.87e-04	-6.23e-04
4784	235	2.41	-12.85	-1.19	0.0	1.18e-04	5.08e-04
4785	4	0.48	0.37	-1.66	3.23e-04	9.67e-06	-2.00e-05
4785	28	0.47	-1.54	-1.72	3.84e-04	7.87e-05	-2.05e-05
4785	44	0.41	-2.12	-1.54	3.67e-04	8.69e-05	-1.88e-05
4785	68	0.33	0.23	-1.16	2.32e-04	8.22e-06	-1.47e-05
4785	80	0.33	-1.05	-1.20	2.72e-04	5.42e-05	-1.50e-05
4785	88	0.29	-1.43	-1.09	2.61e-04	5.97e-05	-1.38e-05
4785	98	0.27	-0.34	-0.97	2.19e-04	3.17e-05	-1.37e-05
4785	105	0.25	-0.53	-0.93	2.18e-04	3.52e-05	-1.33e-05
4785	107	0.25	-0.32	-0.93	2.11e-04	3.01e-05	-1.34e-05
4785	108	8.47	4.43	-0.82	7.59e-05	1.55e-04	-4.92e-04
4785	139	1.98	-10.19	-1.15	5.01e-04	7.27e-05	3.79e-04
4785	140	9.50	5.03	-0.81	5.89e-05	1.70e-04	-5.52e-04
4785	171	2.20	-11.43	-1.18	5.37e-04	7.80e-05	4.30e-04

4785	172	9.21	4.93	-0.81	6.14e-05	1.67e-04	-5.42e-04
4785	203	2.18	-11.33	-1.17	5.34e-04	7.74e-05	4.32e-04
4785	204	10.61	5.79	-0.80	3.69e-05	1.89e-04	-6.28e-04
4785	235	2.46	-13.17	-1.21	5.87e-04	8.43e-05	5.16e-04
4786	18	0.49	1.10	-1.54	0.0	-3.18e-05	2.67e-05
4786	28	0.36	-1.40	-1.89	0.0	8.44e-05	-3.79e-05
4786	44	0.28	-1.95	-1.70	0.0	9.24e-05	-4.61e-05
4786	75	0.34	0.72	-1.09	0.0	-1.99e-05	1.60e-05
4786	80	0.25	-0.95	-1.32	0.0	5.76e-05	-2.71e-05
4786	88	0.20	-1.32	-1.20	0.0	6.29e-05	-3.25e-05
4786	98	0.22	-0.28	-1.07	0.0	3.21e-05	-1.67e-05
4786	103	0.23	-0.06	-1.01	0.0	1.92e-05	-9.82e-06
4786	105	0.20	-0.47	-1.03	0.0	3.57e-05	-1.95e-05
4786	107	0.21	-0.27	-1.02	0.0	3.02e-05	-1.64e-05
4786	108	8.20	4.30	-0.85	0.0	2.99e-04	-4.89e-04
4786	139	1.92	-9.69	-1.40	0.0	1.10e-04	3.71e-04
4786	140	9.20	4.87	-0.82	0.0	3.32e-04	-5.49e-04
4786	171	2.14	-10.87	-1.45	0.0	1.20e-04	4.21e-04
4786	172	8.89	4.78	-0.83	0.0	3.21e-04	-5.37e-04
4786	203	2.13	-10.77	-1.44	0.0	1.20e-04	4.21e-04
4786	204	10.23	5.60	-0.80	0.0	3.66e-04	-6.21e-04
4786	235	2.42	-12.53	-1.51	0.0	1.34e-04	5.04e-04
4787	4	0.48	0.41	-1.81	0.0	-9.90e-06	-5.66e-06
4787	28	0.41	-1.47	-1.91	0.0	9.73e-05	-3.09e-05
4787	44	0.34	-2.03	-1.72	0.0	1.12e-04	-3.48e-05
4787	68	0.33	0.25	-1.28	0.0	-5.10e-06	-5.40e-06
4787	80	0.28	-1.00	-1.34	0.0	6.64e-05	-2.22e-05
4787	88	0.24	-1.37	-1.21	0.0	7.65e-05	-2.48e-05
4787	98	0.24	-0.31	-1.08	0.0	3.36e-05	-1.57e-05
4787	105	0.22	-0.50	-1.04	0.0	3.96e-05	-1.71e-05
4787	107	0.23	-0.29	-1.03	0.0	3.17e-05	-1.54e-05
4787	108	8.32	4.37	-0.86	0.0	2.27e-04	-4.92e-04
4787	139	1.98	-9.94	-1.42	0.0	1.05e-04	3.76e-04
4787	140	9.33	4.95	-0.83	0.0	2.51e-04	-5.52e-04
4787	171	2.20	-11.16	-1.46	0.0	1.14e-04	4.26e-04
4787	172	9.02	4.86	-0.84	0.0	2.44e-04	-5.40e-04
4787	203	2.18	-11.06	-1.46	0.0	1.14e-04	4.27e-04
4787	204	10.38	5.70	-0.81	0.0	2.77e-04	-6.26e-04
4787	235	2.48	-12.86	-1.53	0.0	1.27e-04	5.11e-04
4788	4	0.47	0.37	-1.86	4.02e-04	9.67e-06	-1.97e-05
4788	28	0.46	-1.55	-1.95	4.75e-04	7.87e-05	-2.02e-05
4788	44	0.40	-2.12	-1.76	4.54e-04	8.69e-05	-1.85e-05
4788	68	0.33	0.23	-1.31	2.88e-04	8.22e-06	-1.44e-05
4788	80	0.32	-1.05	-1.37	3.37e-04	5.42e-05	-1.48e-05
4788	88	0.28	-1.43	-1.24	3.23e-04	5.97e-05	-1.36e-05
4788	98	0.26	-0.34	-1.10	2.73e-04	3.17e-05	-1.35e-05
4788	105	0.24	-0.54	-1.07	2.71e-04	3.52e-05	-1.31e-05
4788	107	0.24	-0.32	-1.06	2.62e-04	3.01e-05	-1.31e-05
4788	108	8.41	4.43	-0.88	8.99e-05	1.55e-04	-4.92e-04
4788	139	2.03	-10.19	-1.44	6.35e-04	7.27e-05	3.80e-04
4788	140	9.44	5.03	-0.86	6.84e-05	1.70e-04	-5.52e-04
4788	171	2.25	-11.43	-1.49	6.81e-04	7.80e-05	4.30e-04
4788	172	9.12	4.93	-0.86	7.15e-05	1.67e-04	-5.41e-04
4788	203	2.24	-11.33	-1.48	6.77e-04	7.74e-05	4.32e-04
4788	204	10.49	5.79	-0.83	4.02e-05	1.89e-04	-6.28e-04
4788	235	2.54	-13.17	-1.55	7.46e-04	8.43e-05	5.17e-04
4789	18	0.50	1.10	-1.77	0.0	-4.76e-05	-5.32e-06
4789	28	0.34	-1.40	-2.21	0.0	8.95e-05	-3.29e-05
4789	44	0.26	-1.96	-2.00	0.0	1.01e-04	-3.53e-05
4789	75	0.34	0.72	-1.26	0.0	-3.02e-05	-5.72e-06
4789	80	0.24	-0.95	-1.55	0.0	6.12e-05	-2.41e-05
4789	88	0.18	-1.32	-1.41	0.0	6.89e-05	-2.57e-05
4789	98	0.21	-0.28	-1.25	0.0	3.27e-05	-1.95e-05
4789	103	0.22	-0.06	-1.18	0.0	1.76e-05	-1.64e-05
4789	105	0.19	-0.47	-1.21	0.0	3.74e-05	-2.04e-05
4789	107	0.20	-0.27	-1.20	0.0	3.09e-05	-1.92e-05
4789	108	8.17	4.29	-0.92	0.0	2.96e-04	-4.96e-04
4789	139	1.96	-9.69	-1.81	0.0	1.14e-04	3.80e-04
4789	140	9.17	4.87	-0.88	0.0	3.29e-04	-5.57e-04
4789	171	2.19	-10.87	-1.89	0.0	1.24e-04	4.31e-04
4789	172	8.83	4.78	-0.89	0.0	3.17e-04	-5.44e-04
4789	203	2.18	-10.78	-1.88	0.0	1.24e-04	4.31e-04
4789	204	10.15	5.60	-0.84	0.0	3.61e-04	-6.28e-04
4789	235	2.48	-12.53	-1.99	0.0	1.39e-04	5.15e-04
4790	4	0.48	0.41	-2.09	0.0	-2.17e-05	-1.76e-05

4790	28	0.39	-1.47	-2.23	0.0	1.07e-04	-2.80e-05
4790	44	0.32	-2.03	-2.02	0.0	1.27e-04	-2.85e-05
4790	68	0.33	0.25	-1.47	0.0	-1.26e-05	-1.36e-05
4790	80	0.27	-1.00	-1.57	0.0	7.29e-05	-2.05e-05
4790	88	0.22	-1.38	-1.43	0.0	8.63e-05	-2.08e-05
4790	98	0.23	-0.31	-1.27	0.0	3.57e-05	-1.73e-05
4790	103	0.23	-0.08	-1.19	0.0	1.48e-05	-1.53e-05
4790	105	0.21	-0.50	-1.22	0.0	4.33e-05	-1.76e-05
4790	107	0.22	-0.29	-1.21	0.0	3.39e-05	-1.70e-05
4790	108	8.29	4.37	-0.93	0.0	2.15e-04	-4.96e-04
4790	139	2.02	-9.95	-1.82	0.0	1.09e-04	3.81e-04
4790	140	9.30	4.95	-0.89	0.0	2.38e-04	-5.56e-04
4790	171	2.25	-11.16	-1.90	0.0	1.19e-04	4.32e-04
4790	172	8.96	4.86	-0.90	0.0	2.31e-04	-5.44e-04
4790	203	2.24	-11.06	-1.89	0.0	1.19e-04	4.32e-04
4790	204	10.29	5.70	-0.85	0.0	2.62e-04	-6.30e-04
4790	235	2.55	-12.86	-2.01	0.0	1.32e-04	5.17e-04
4791	4	0.46	0.37	-2.13	4.63e-04	9.67e-06	-1.97e-05
4791	28	0.45	-1.55	-2.27	5.49e-04	7.87e-05	-2.02e-05
4791	44	0.39	-2.12	-2.06	5.25e-04	8.69e-05	-1.85e-05
4791	68	0.32	0.22	-1.50	3.33e-04	8.22e-06	-1.44e-05
4791	80	0.31	-1.05	-1.60	3.90e-04	5.42e-05	-1.48e-05
4791	88	0.27	-1.43	-1.46	3.74e-04	5.97e-05	-1.36e-05
4791	98	0.25	-0.34	-1.29	3.16e-04	3.17e-05	-1.35e-05
4791	105	0.24	-0.54	-1.25	3.14e-04	3.52e-05	-1.30e-05
4791	107	0.24	-0.32	-1.23	3.05e-04	3.01e-05	-1.31e-05
4791	108	8.37	4.43	-0.95	9.36e-05	1.55e-04	-4.92e-04
4791	139	2.07	-10.20	-1.85	7.61e-04	7.27e-05	3.79e-04
4791	140	9.39	5.03	-0.91	6.72e-05	1.70e-04	-5.52e-04
4791	171	2.30	-11.44	-1.92	8.18e-04	7.80e-05	4.30e-04
4791	172	9.05	4.93	-0.92	7.09e-05	1.67e-04	-5.42e-04
4791	203	2.30	-11.33	-1.92	8.12e-04	7.74e-05	4.32e-04
4791	204	10.39	5.79	-0.87	3.25e-05	1.89e-04	-6.28e-04
4791	235	2.61	-13.17	-2.03	8.97e-04	8.43e-05	5.17e-04
4792	18	0.34	1.08	-2.02	0.0	1.68e-04	-3.37e-05
4792	28	0.25	-1.11	-2.57	0.0	-9.22e-06	0.0
4792	44	0.20	-1.61	-2.34	0.0	-4.60e-05	4.85e-06
4792	75	0.24	0.71	-1.44	0.0	1.11e-04	-2.34e-05
4792	80	0.18	-0.75	-1.81	0.0	-7.35e-06	-1.14e-06
4792	88	0.14	-1.09	-1.66	0.0	-3.19e-05	2.32e-06
4792	98	0.16	-0.17	-1.47	0.0	1.24e-05	-6.44e-06
4792	103	0.16	0.02	-1.38	0.0	2.96e-05	-9.82e-06
4792	105	0.15	-0.34	-1.42	0.0	1.03e-06	-4.68e-06
4792	107	0.15	-0.16	-1.40	0.0	1.05e-05	-6.50e-06
4792	108	7.04	3.96	-0.98	0.0	7.40e-04	-4.46e-04
4792	139	1.74	-8.57	-2.31	0.0	1.48e-04	3.40e-04
4792	140	7.90	4.48	-0.93	0.0	8.31e-04	-5.01e-04
4792	171	1.94	-9.63	-2.42	0.0	1.66e-04	3.85e-04
4792	172	7.59	4.40	-0.94	0.0	7.95e-04	-4.95e-04
4792	203	1.94	-9.54	-2.41	0.0	1.66e-04	3.90e-04
4792	204	8.71	5.15	-0.86	0.0	9.11e-04	-5.77e-04
4792	235	2.22	-11.11	-2.58	0.0	1.90e-04	4.67e-04
4793	18	0.43	1.09	-2.03	0.0	1.30e-04	-6.30e-05
4793	28	0.25	-1.19	-2.58	0.0	6.65e-06	-1.07e-06
4793	44	0.18	-1.71	-2.35	0.0	-2.14e-05	8.63e-06
4793	75	0.29	0.71	-1.45	0.0	8.59e-05	-4.37e-05
4793	80	0.17	-0.81	-1.81	0.0	3.72e-06	-2.34e-06
4793	88	0.13	-1.15	-1.66	0.0	-1.50e-05	4.13e-06
4793	98	0.17	-0.20	-1.47	0.0	1.52e-05	-1.20e-05
4793	103	0.18	-7.27e-03	-1.38	0.0	2.69e-05	-1.83e-05
4793	105	0.15	-0.38	-1.43	0.0	6.77e-06	-8.76e-06
4793	107	0.16	-0.19	-1.40	0.0	1.35e-05	-1.21e-05
4793	108	7.42	4.05	-0.98	0.0	6.63e-04	-4.65e-04
4793	139	1.81	-8.86	-2.32	0.0	1.41e-04	3.56e-04
4793	140	8.33	4.58	-0.93	0.0	7.44e-04	-5.23e-04
4793	171	2.02	-9.95	-2.43	0.0	1.58e-04	4.04e-04
4793	172	7.99	4.50	-0.94	0.0	7.12e-04	-5.15e-04
4793	203	2.02	-9.86	-2.42	0.0	1.58e-04	4.07e-04
4793	204	9.17	5.27	-0.87	0.0	8.16e-04	-5.98e-04
4793	235	2.32	-11.48	-2.59	0.0	1.80e-04	4.87e-04
4794	18	0.48	1.09	-2.03	0.0	7.16e-05	-8.32e-05
4794	28	0.26	-1.26	-2.59	0.0	3.26e-05	-6.78e-06
4794	44	0.17	-1.79	-2.36	0.0	1.78e-05	5.86e-06
4794	75	0.33	0.72	-1.45	0.0	4.78e-05	-5.78e-05
4794	80	0.18	-0.86	-1.82	0.0	2.18e-05	-6.83e-06

4794	88	0.12	-1.21	-1.67	0.0	1.19e-05	1.60e-06
4794	98	0.17	-0.23	-1.47	0.0	2.05e-05	-1.86e-05
4794	103	0.19	-0.03	-1.39	0.0	2.36e-05	-2.63e-05
4794	105	0.15	-0.41	-1.43	0.0	1.64e-05	-1.44e-05
4794	107	0.16	-0.22	-1.41	0.0	1.88e-05	-1.85e-05
4794	108	7.74	4.13	-0.99	0.0	5.48e-04	-4.88e-04
4794	139	1.88	-9.15	-2.33	0.0	1.32e-04	3.81e-04
4794	140	8.69	4.68	-0.93	0.0	6.14e-04	-5.48e-04
4794	171	2.10	-10.27	-2.44	0.0	1.47e-04	4.33e-04
4794	172	8.34	4.59	-0.94	0.0	5.88e-04	-5.36e-04
4794	203	2.10	-10.18	-2.43	0.0	1.47e-04	4.33e-04
4794	204	9.57	5.38	-0.87	0.0	6.73e-04	-6.19e-04
4794	235	2.41	-11.85	-2.60	0.0	1.68e-04	5.17e-04
4795	18	0.50	1.10	-2.04	0.0	6.59e-06	-8.77e-05
4795	28	0.28	-1.34	-2.60	0.0	6.36e-05	-1.42e-05
4795	44	0.19	-1.88	-2.37	0.0	6.35e-05	-1.31e-06
4795	75	0.34	0.72	-1.46	0.0	5.34e-06	-6.12e-05
4795	80	0.20	-0.91	-1.83	0.0	4.34e-05	-1.22e-05
4795	88	0.14	-1.27	-1.67	0.0	4.33e-05	-3.66e-06
4795	98	0.19	-0.25	-1.48	0.0	2.74e-05	-2.34e-05
4795	103	0.20	-0.04	-1.39	0.0	2.06e-05	-3.08e-05
4795	105	0.16	-0.44	-1.43	0.0	2.82e-05	-1.93e-05
4795	107	0.18	-0.24	-1.41	0.0	2.57e-05	-2.32e-05
4795	108	7.99	4.22	-0.99	0.0	4.14e-04	-5.06e-04
4795	139	1.95	-9.43	-2.34	0.0	1.23e-04	3.98e-04
4795	140	8.97	4.78	-0.94	0.0	4.63e-04	-5.67e-04
4795	171	2.18	-10.58	-2.45	0.0	1.35e-04	4.52e-04
4795	172	8.61	4.69	-0.95	0.0	4.44e-04	-5.52e-04
4795	203	2.18	-10.49	-2.44	0.0	1.36e-04	4.50e-04
4795	204	9.88	5.50	-0.87	0.0	5.07e-04	-6.36e-04
4795	235	2.49	-12.20	-2.61	0.0	1.53e-04	5.37e-04
4796	4	0.32	0.51	-2.73	0.0	9.02e-05	-5.92e-05
4796	28	0.26	-1.11	-2.99	0.0	-3.74e-06	2.23e-05
4796	44	0.21	-1.61	-2.74	0.0	-3.32e-05	3.98e-05
4796	68	0.22	0.33	-1.93	0.0	5.81e-05	-4.03e-05
4796	80	0.18	-0.75	-2.10	0.0	-4.48e-06	1.40e-05
4796	88	0.15	-1.09	-1.94	0.0	-2.41e-05	2.57e-05
4796	98	0.16	-0.17	-1.70	0.0	7.29e-06	-4.58e-06
4796	103	0.16	0.02	-1.60	0.0	1.93e-05	-1.68e-05
4796	105	0.14	-0.34	-1.66	0.0	-1.55e-06	1.34e-06
4796	107	0.15	-0.16	-1.63	0.0	5.37e-06	-4.78e-06
4796	108	6.99	3.96	-1.04	0.0	7.42e-04	-4.44e-04
4796	139	1.77	-8.57	-2.91	0.0	1.57e-04	3.35e-04
4796	140	7.85	4.48	-0.97	0.0	8.34e-04	-4.99e-04
4796	171	1.98	-9.63	-3.08	0.0	1.77e-04	3.80e-04
4796	172	7.51	4.40	-0.98	0.0	7.95e-04	-4.95e-04
4796	203	1.99	-9.54	-3.06	0.0	1.78e-04	3.86e-04
4796	204	8.60	5.15	-0.88	0.0	9.12e-04	-5.79e-04
4796	235	2.28	-11.11	-3.30	0.0	2.05e-04	4.63e-04
4797	18	0.37	1.09	-2.31	0.0	9.39e-05	-1.80e-04
4797	28	0.25	-1.19	-2.98	0.0	5.43e-06	3.77e-05
4797	44	0.19	-1.71	-2.74	0.0	-1.67e-05	7.08e-05
4797	75	0.26	0.71	-1.65	0.0	6.11e-05	-1.21e-04
4797	80	0.18	-0.81	-2.10	0.0	2.13e-06	2.36e-05
4797	88	0.13	-1.15	-1.94	0.0	-1.26e-05	4.57e-05
4797	98	0.16	-0.20	-1.70	0.0	8.40e-06	-9.99e-06
4797	103	0.17	-7.16e-03	-1.60	0.0	1.66e-05	-3.23e-05
4797	105	0.14	-0.38	-1.66	0.0	1.84e-06	1.12e-06
4797	107	0.15	-0.19	-1.63	0.0	6.73e-06	-1.01e-05
4797	108	7.38	4.05	-1.04	0.0	7.10e-04	-4.70e-04
4797	139	1.86	-8.86	-2.91	0.0	1.58e-04	3.70e-04
4797	140	8.28	4.58	-0.97	0.0	7.98e-04	-5.28e-04
4797	171	2.07	-9.95	-3.07	0.0	1.78e-04	4.20e-04
4797	172	7.93	4.50	-0.98	0.0	7.60e-04	-5.21e-04
4797	203	2.08	-9.86	-3.05	0.0	1.79e-04	4.24e-04
4797	204	9.08	5.27	-0.88	0.0	8.71e-04	-6.07e-04
4797	235	2.39	-11.48	-3.29	0.0	2.07e-04	5.07e-04
4798	18	0.41	1.09	-2.31	0.0	5.49e-05	-2.32e-04
4798	28	0.26	-1.26	-2.98	0.0	2.58e-05	3.83e-05
4798	44	0.19	-1.79	-2.74	0.0	1.33e-05	8.07e-05
4798	75	0.28	0.72	-1.65	0.0	3.60e-05	-1.57e-04
4798	80	0.18	-0.86	-2.10	0.0	1.66e-05	2.32e-05
4798	88	0.13	-1.21	-1.94	0.0	8.28e-06	5.15e-05
4798	98	0.16	-0.23	-1.70	0.0	1.39e-05	-1.83e-05
4798	103	0.17	-0.03	-1.60	0.0	1.61e-05	-4.59e-05

4798	105	0.14	-0.41	-1.66	0.0	1.06e-05	-4.20e-06
4798	107	0.15	-0.22	-1.63	0.0	1.24e-05	-1.82e-05
4798	108	7.74	4.13	-1.04	0.0	6.02e-04	-5.01e-04
4798	139	1.94	-9.15	-2.91	0.0	1.46e-04	4.11e-04
4798	140	8.69	4.68	-0.97	0.0	6.75e-04	-5.61e-04
4798	171	2.17	-10.27	-3.07	0.0	1.63e-04	4.66e-04
4798	172	8.32	4.59	-0.98	0.0	6.44e-04	-5.49e-04
4798	203	2.18	-10.18	-3.05	0.0	1.65e-04	4.66e-04
4798	204	9.53	5.38	-0.87	0.0	7.36e-04	-6.35e-04
4798	235	2.50	-11.85	-3.29	0.0	1.89e-04	5.56e-04
4799	18	0.43	1.10	-2.31	0.0	1.55e-05	-2.41e-04
4799	28	0.28	-1.34	-2.98	0.0	5.69e-05	2.55e-05
4799	44	0.20	-1.88	-2.74	0.0	5.49e-05	6.79e-05
4799	75	0.29	0.72	-1.65	0.0	1.12e-05	-1.64e-04
4799	80	0.19	-0.91	-2.10	0.0	3.87e-05	1.37e-05
4799	88	0.14	-1.27	-1.94	0.0	3.74e-05	4.19e-05
4799	98	0.17	-0.25	-1.70	0.0	2.53e-05	-2.74e-05
4799	103	0.18	-0.04	-1.60	0.0	2.02e-05	-5.45e-05
4799	105	0.15	-0.44	-1.66	0.0	2.55e-05	-1.34e-05
4799	107	0.16	-0.24	-1.63	0.0	2.37e-05	-2.72e-05
4799	108	8.02	4.22	-1.04	0.0	4.31e-04	-5.35e-04
4799	139	2.01	-9.43	-2.91	0.0	1.24e-04	4.51e-04
4799	140	9.00	4.78	-0.97	0.0	4.81e-04	-5.99e-04
4799	171	2.25	-10.58	-3.07	0.0	1.37e-04	5.12e-04
4799	172	8.61	4.69	-0.98	0.0	4.61e-04	-5.79e-04
4799	203	2.26	-10.49	-3.05	0.0	1.37e-04	5.06e-04
4799	204	9.86	5.50	-0.88	0.0	5.26e-04	-6.64e-04
4799	235	2.59	-12.20	-3.29	0.0	1.56e-04	6.02e-04
4800	4	0.28	0.51	-2.96	1.18e-04	3.27e-05	-1.22e-04
4800	28	0.28	-1.11	-3.29	2.54e-04	1.86e-05	5.56e-05
4800	44	0.24	-1.61	-3.05	2.75e-04	6.63e-06	9.43e-05
4800	68	0.19	0.33	-2.10	8.72e-05	1.93e-05	-8.18e-05
4800	80	0.19	-0.75	-2.32	1.78e-04	9.86e-06	3.63e-05
4800	88	0.17	-1.09	-2.16	1.92e-04	1.88e-06	6.22e-05
4800	98	0.15	-0.17	-1.88	1.16e-04	3.77e-06	-3.41e-06
4800	105	0.15	-0.34	-1.84	1.26e-04	0.0	9.59e-06
4800	107	0.15	-0.16	-1.80	1.12e-04	1.77e-06	-3.60e-06
4800	108	6.92	3.96	-1.04	7.18e-05	7.38e-04	-4.47e-04
4800	139	1.80	-8.57	-3.47	6.41e-04	1.78e-04	3.53e-04
4800	140	7.76	4.48	-0.95	6.69e-05	8.30e-04	-5.04e-04
4800	171	2.02	-9.63	-3.67	7.07e-04	2.01e-04	3.99e-04
4800	172	7.41	4.40	-0.97	6.60e-05	7.90e-04	-4.99e-04
4800	203	2.03	-9.54	-3.65	6.99e-04	2.02e-04	4.05e-04
4800	204	8.47	5.15	-0.83	5.80e-05	9.05e-04	-5.83e-04
4800	235	2.34	-11.12	-3.96	7.97e-04	2.35e-04	4.85e-04
4801	28	0.29	-1.19	-3.28	1.70e-04	1.59e-05	9.54e-05
4801	44	0.25	-1.71	-3.04	1.97e-04	8.10e-06	1.66e-04
4801	80	0.20	-0.81	-2.31	1.18e-04	8.50e-06	6.24e-05
4801	88	0.17	-1.15	-2.15	1.36e-04	3.31e-06	1.09e-04
4801	98	0.16	-0.20	-1.87	6.50e-05	1.76e-06	-8.20e-06
4801	105	0.15	-0.38	-1.83	7.54e-05	0.0	1.53e-05
4801	107	0.15	-0.19	-1.79	6.22e-05	0.0	-8.29e-06
4801	108	7.35	4.05	-1.04	2.22e-05	7.75e-04	-4.81e-04
4801	139	1.91	-8.86	-3.45	5.72e-04	1.91e-04	4.10e-04
4801	140	8.25	4.58	-0.95	1.74e-05	8.72e-04	-5.41e-04
4801	171	2.14	-9.95	-3.65	6.35e-04	2.16e-04	4.64e-04
4801	172	7.86	4.50	-0.96	1.63e-05	8.27e-04	-5.33e-04
4801	203	2.16	-9.86	-3.63	6.28e-04	2.18e-04	4.68e-04
4801	204	8.99	5.27	-0.83	8.26e-06	9.46e-04	-6.21e-04
4801	235	2.48	-11.48	-3.94	7.21e-04	2.54e-04	5.58e-04
4802	28	0.29	-1.26	-3.28	1.44e-04	1.85e-05	1.13e-04
4802	44	0.25	-1.80	-3.03	1.70e-04	1.16e-05	2.01e-04
4802	80	0.20	-0.86	-2.31	9.94e-05	1.08e-05	7.32e-05
4802	88	0.17	-1.21	-2.15	1.17e-04	6.18e-06	1.32e-04
4802	98	0.15	-0.23	-1.87	5.19e-05	4.22e-06	-1.48e-05
4802	105	0.14	-0.41	-1.83	6.18e-05	2.56e-06	1.47e-05
4802	107	0.14	-0.22	-1.79	4.96e-05	2.93e-06	-1.48e-05
4802	108	7.75	4.13	-1.04	8.18e-06	7.03e-04	-5.13e-04
4802	139	2.01	-9.15	-3.43	5.49e-04	1.72e-04	4.58e-04
4802	140	8.70	4.68	-0.95	3.13e-06	7.90e-04	-5.76e-04
4802	171	2.25	-10.27	-3.64	6.11e-04	1.93e-04	5.19e-04
4802	172	8.29	4.59	-0.96	2.22e-06	7.49e-04	-5.64e-04
4802	203	2.27	-10.18	-3.62	6.04e-04	1.96e-04	5.20e-04
4802	204	9.49	5.38	-0.83	-6.05e-06	8.57e-04	-6.54e-04
4802	235	2.62	-11.85	-3.92	6.96e-04	2.28e-04	6.19e-04

4803	28	0.30	-1.34	-3.28	1.35e-04	4.42e-05	9.96e-05
4803	44	0.25	-1.88	-3.04	1.57e-04	3.70e-05	1.88e-04
4803	80	0.20	-0.91	-2.32	9.34e-05	3.00e-05	6.29e-05
4803	88	0.17	-1.27	-2.15	1.08e-04	2.52e-05	1.22e-04
4803	98	0.15	-0.25	-1.88	5.07e-05	2.25e-05	-2.59e-05
4803	105	0.14	-0.44	-1.83	5.92e-05	2.09e-05	3.53e-06
4803	107	0.14	-0.24	-1.80	4.85e-05	2.10e-05	-2.59e-05
4803	108	8.12	4.22	-1.05	-1.60e-04	4.45e-04	-5.50e-04
4803	139	2.10	-9.43	-3.42	5.32e-04	1.19e-04	4.96e-04
4803	140	9.11	4.78	-0.95	-1.86e-04	4.97e-04	-6.16e-04
4803	171	2.35	-10.58	-3.63	5.93e-04	1.31e-04	5.62e-04
4803	172	8.69	4.69	-0.97	-1.80e-04	4.75e-04	-5.98e-04
4803	203	2.37	-10.49	-3.61	5.85e-04	1.32e-04	5.57e-04
4803	204	9.94	5.50	-0.83	-2.16e-04	5.42e-04	-6.87e-04
4803	235	2.73	-12.20	-3.91	6.74e-04	1.50e-04	6.63e-04
4804	18	0.49	1.10	-2.05	0.0	-4.87e-05	-7.40e-05
4804	28	0.32	-1.40	-2.61	0.0	9.17e-05	-1.66e-05
4804	44	0.24	-1.96	-2.38	0.0	1.04e-04	-5.93e-06
4804	75	0.33	0.72	-1.46	0.0	-3.07e-05	-5.18e-05
4804	80	0.22	-0.95	-1.83	0.0	6.29e-05	-1.36e-05
4804	88	0.17	-1.32	-1.68	0.0	7.11e-05	-6.48e-06
4804	98	0.20	-0.28	-1.48	0.0	3.41e-05	-2.22e-05
4804	103	0.21	-0.06	-1.40	0.0	1.88e-05	-2.78e-05
4804	105	0.18	-0.47	-1.44	0.0	3.91e-05	-1.87e-05
4804	107	0.19	-0.27	-1.42	0.0	3.24e-05	-2.19e-05
4804	108	8.16	4.29	-0.99	0.0	2.91e-04	-5.08e-04
4804	139	2.01	-9.69	-2.34	0.0	1.14e-04	3.98e-04
4804	140	9.16	4.87	-0.94	0.0	3.23e-04	-5.69e-04
4804	171	2.24	-10.87	-2.46	0.0	1.24e-04	4.52e-04
4804	172	8.80	4.78	-0.95	0.0	3.12e-04	-5.55e-04
4804	203	2.24	-10.78	-2.45	0.0	1.25e-04	4.50e-04
4804	204	10.09	5.60	-0.87	0.0	3.54e-04	-6.40e-04
4804	235	2.57	-12.53	-2.62	0.0	1.39e-04	5.38e-04
4805	4	0.46	0.41	-2.42	0.0	-2.00e-05	-4.14e-05
4805	28	0.38	-1.47	-2.62	0.0	1.12e-04	-1.81e-05
4805	44	0.30	-2.04	-2.40	0.0	1.33e-04	-1.12e-05
4805	68	0.32	0.25	-1.71	0.0	-1.09e-05	-2.96e-05
4805	80	0.26	-1.00	-1.84	0.0	7.71e-05	-1.40e-05
4805	88	0.21	-1.38	-1.69	0.0	9.11e-05	-9.42e-06
4805	98	0.22	-0.31	-1.49	0.0	3.94e-05	-1.84e-05
4805	103	0.22	-0.08	-1.40	0.0	1.80e-05	-2.14e-05
4805	105	0.20	-0.50	-1.45	0.0	4.73e-05	-1.63e-05
4805	107	0.21	-0.29	-1.43	0.0	3.76e-05	-1.81e-05
4805	108	8.27	4.37	-1.00	0.0	1.58e-04	-5.01e-04
4805	139	2.06	-9.95	-2.35	0.0	1.06e-04	3.88e-04
4805	140	9.28	4.95	-0.95	0.0	1.73e-04	-5.62e-04
4805	171	2.30	-11.16	-2.47	0.0	1.15e-04	4.40e-04
4805	172	8.91	4.86	-0.96	0.0	1.69e-04	-5.50e-04
4805	203	2.30	-11.06	-2.46	0.0	1.14e-04	4.40e-04
4805	204	10.23	5.70	-0.88	0.0	1.90e-04	-6.36e-04
4805	235	2.63	-12.86	-2.63	0.0	1.26e-04	5.26e-04
4806	4	0.45	0.37	-2.45	4.87e-04	9.67e-06	-2.01e-05
4806	28	0.44	-1.55	-2.65	5.84e-04	7.87e-05	-2.06e-05
4806	44	0.38	-2.12	-2.43	5.60e-04	8.69e-05	-1.89e-05
4806	68	0.31	0.22	-1.73	3.51e-04	8.22e-06	-1.47e-05
4806	80	0.30	-1.06	-1.87	4.15e-04	5.42e-05	-1.51e-05
4806	88	0.26	-1.44	-1.72	3.99e-04	5.97e-05	-1.39e-05
4806	98	0.24	-0.34	-1.50	3.38e-04	3.17e-05	-1.37e-05
4806	105	0.23	-0.54	-1.46	3.36e-04	3.52e-05	-1.33e-05
4806	107	0.23	-0.33	-1.44	3.26e-04	3.01e-05	-1.34e-05
4806	108	8.34	4.43	-1.01	8.16e-05	1.55e-04	-4.92e-04
4806	139	2.11	-10.20	-2.37	8.50e-04	7.27e-05	3.79e-04
4806	140	9.36	5.03	-0.96	5.10e-05	1.70e-04	-5.52e-04
4806	171	2.35	-11.44	-2.49	9.16e-04	7.80e-05	4.30e-04
4806	172	8.99	4.93	-0.97	5.48e-05	1.67e-04	-5.42e-04
4806	203	2.35	-11.34	-2.47	9.09e-04	7.74e-05	4.32e-04
4806	204	10.31	5.79	-0.89	1.00e-05	1.89e-04	-6.28e-04
4806	235	2.69	-13.18	-2.65	1.01e-03	8.43e-05	5.16e-04
4807	18	0.43	1.11	-2.31	0.0	-1.83e-05	-1.92e-04
4807	28	0.32	-1.40	-2.99	0.0	8.71e-05	1.93e-05
4807	44	0.24	-1.96	-2.75	0.0	9.43e-05	5.34e-05
4807	75	0.29	0.72	-1.66	0.0	-9.98e-06	-1.31e-04
4807	80	0.22	-0.95	-2.10	0.0	6.03e-05	1.02e-05
4807	88	0.17	-1.32	-1.94	0.0	6.51e-05	3.30e-05
4807	98	0.19	-0.28	-1.70	0.0	3.72e-05	-2.23e-05

4807	103	0.19	-0.06	-1.60	0.0	2.54e-05	-4.38e-05
4807	105	0.17	-0.47	-1.66	0.0	4.04e-05	-1.11e-05
4807	107	0.18	-0.27	-1.63	0.0	3.55e-05	-2.21e-05
4807	108	8.19	4.29	-1.04	0.0	2.70e-04	-5.20e-04
4807	139	2.07	-9.69	-2.91	0.0	1.03e-04	4.22e-04
4807	140	9.19	4.87	-0.97	0.0	2.99e-04	-5.82e-04
4807	171	2.31	-10.87	-3.07	0.0	1.11e-04	4.79e-04
4807	172	8.79	4.78	-0.98	0.0	2.90e-04	-5.68e-04
4807	203	2.32	-10.78	-3.05	0.0	1.11e-04	4.78e-04
4807	204	10.07	5.60	-0.88	0.0	3.29e-04	-6.55e-04
4807	235	2.66	-12.53	-3.29	0.0	1.23e-04	5.70e-04
4808	4	0.44	0.41	-2.74	0.0	8.73e-06	-7.94e-05
4808	28	0.37	-1.47	-3.00	0.0	1.07e-04	3.27e-06
4808	44	0.30	-2.04	-2.76	0.0	1.21e-04	2.31e-05
4808	68	0.30	0.25	-1.94	0.0	8.96e-06	-5.49e-05
4808	80	0.25	-1.00	-2.11	0.0	7.47e-05	0.0
4808	88	0.21	-1.38	-1.95	0.0	8.38e-05	1.35e-05
4808	98	0.21	-0.31	-1.71	0.0	4.47e-05	-1.75e-05
4808	105	0.19	-0.50	-1.66	0.0	5.02e-05	-1.10e-05
4808	107	0.20	-0.29	-1.63	0.0	4.29e-05	-1.73e-05
4808	108	8.27	4.37	-1.05	0.0	1.41e-04	-5.05e-04
4808	139	2.11	-9.95	-2.91	0.0	8.83e-05	3.95e-04
4808	140	9.28	4.95	-0.98	0.0	1.53e-04	-5.66e-04
4808	171	2.36	-11.16	-3.07	0.0	9.39e-05	4.48e-04
4808	172	8.88	4.86	-0.99	0.0	1.51e-04	-5.55e-04
4808	203	2.37	-11.06	-3.06	0.0	9.31e-05	4.49e-04
4808	204	10.17	5.70	-0.88	0.0	1.69e-04	-6.42e-04
4808	235	2.71	-12.86	-3.29	0.0	1.00e-04	5.37e-04
4809	4	0.44	0.36	-2.76	4.73e-04	9.67e-06	-1.99e-05
4809	28	0.43	-1.55	-3.02	5.76e-04	7.87e-05	-2.05e-05
4809	44	0.37	-2.12	-2.78	5.55e-04	8.69e-05	-1.87e-05
4809	68	0.30	0.22	-1.95	3.42e-04	8.22e-06	-1.45e-05
4809	80	0.30	-1.06	-2.13	4.11e-04	5.42e-05	-1.49e-05
4809	88	0.26	-1.44	-1.97	3.97e-04	5.97e-05	-1.37e-05
4809	98	0.24	-0.34	-1.72	3.36e-04	3.17e-05	-1.36e-05
4809	105	0.22	-0.54	-1.67	3.35e-04	3.52e-05	-1.32e-05
4809	107	0.22	-0.33	-1.64	3.24e-04	3.01e-05	-1.33e-05
4809	108	8.33	4.43	-1.06	5.86e-05	1.55e-04	-4.92e-04
4809	139	2.15	-10.20	-2.92	8.83e-04	7.27e-05	3.79e-04
4809	140	9.34	5.02	-0.99	2.54e-05	1.70e-04	-5.52e-04
4809	171	2.40	-11.44	-3.08	9.53e-04	7.80e-05	4.30e-04
4809	172	8.94	4.93	-1.00	2.88e-05	1.67e-04	-5.42e-04
4809	203	2.41	-11.34	-3.06	9.47e-04	7.74e-05	4.32e-04
4809	204	10.24	5.79	-0.89	-2.04e-05	1.89e-04	-6.28e-04
4809	235	2.76	-13.18	-3.30	1.05e-03	8.43e-05	5.16e-04
4810	4	0.34	0.44	-2.97	6.11e-05	6.90e-05	-2.31e-04
4810	28	0.34	-1.40	-3.29	1.34e-04	7.27e-05	8.68e-05
4810	44	0.29	-1.96	-3.05	1.51e-04	6.56e-05	1.58e-04
4810	68	0.24	0.27	-2.11	4.43e-05	4.89e-05	-1.56e-04
4810	80	0.23	-0.95	-2.32	9.30e-05	5.14e-05	5.57e-05
4810	88	0.20	-1.32	-2.16	1.04e-04	4.67e-05	1.03e-04
4810	98	0.18	-0.28	-1.88	5.46e-05	4.26e-05	-1.57e-05
4810	105	0.17	-0.47	-1.84	6.13e-05	4.11e-05	7.89e-06
4810	107	0.17	-0.27	-1.80	5.22e-05	4.09e-05	-1.57e-05
4810	108	8.21	4.29	-1.05	-1.48e-04	2.04e-04	-5.26e-04
4810	139	2.14	-9.69	-3.42	5.17e-04	7.09e-05	4.59e-04
4810	140	9.22	4.87	-0.96	-1.74e-04	2.25e-04	-5.91e-04
4810	171	2.39	-10.88	-3.62	5.75e-04	7.47e-05	5.20e-04
4810	172	8.79	4.78	-0.97	-1.68e-04	2.21e-04	-5.77e-04
4810	203	2.41	-10.78	-3.60	5.68e-04	7.40e-05	5.19e-04
4810	204	10.05	5.60	-0.83	-2.03e-04	2.50e-04	-6.68e-04
4810	235	2.77	-12.53	-3.90	6.54e-04	7.86e-05	6.18e-04
4811	4	0.38	0.41	-2.98	8.19e-05	7.76e-05	-1.41e-04
4811	28	0.38	-1.47	-3.30	1.40e-04	8.39e-05	4.23e-05
4811	44	0.32	-2.04	-3.05	1.51e-04	7.71e-05	8.39e-05
4811	68	0.26	0.25	-2.11	5.86e-05	5.56e-05	-9.57e-05
4811	80	0.26	-1.00	-2.33	9.71e-05	5.99e-05	2.66e-05
4811	88	0.22	-1.38	-2.17	1.05e-04	5.53e-05	5.43e-05
4811	98	0.20	-0.31	-1.89	6.10e-05	5.06e-05	-1.39e-05
4811	105	0.19	-0.50	-1.84	6.63e-05	4.92e-05	0.0
4811	107	0.19	-0.29	-1.81	5.83e-05	4.88e-05	-1.38e-05
4811	108	8.27	4.37	-1.06	-1.37e-04	1.54e-04	-5.09e-04
4811	139	2.17	-9.95	-3.42	5.09e-04	-1.21e-05	4.13e-04
4811	140	9.28	4.95	-0.96	-1.61e-04	1.67e-04	-5.72e-04
4811	171	2.42	-11.16	-3.62	5.66e-04	-1.99e-05	4.68e-04

4811	172	8.85	4.86	-0.98	-1.56e-04	1.67e-04	-5.61e-04
4811	203	2.44	-11.06	-3.60	5.59e-04	-2.03e-05	4.70e-04
4811	204	10.12	5.70	-0.84	-1.90e-04	1.87e-04	-6.50e-04
4811	235	2.80	-12.86	-3.90	6.43e-04	-3.31e-05	5.61e-04
4812	4	0.43	0.36	-2.99	4.54e-04	9.67e-06	-1.88e-05
4812	28	0.42	-1.55	-3.31	5.59e-04	7.87e-05	-2.02e-05
4812	44	0.36	-2.12	-3.07	5.40e-04	8.69e-05	-1.86e-05
4812	68	0.29	0.22	-2.12	3.29e-04	8.22e-06	-1.37e-05
4812	80	0.29	-1.06	-2.34	3.99e-04	5.42e-05	-1.46e-05
4812	88	0.25	-1.44	-2.18	3.86e-04	5.97e-05	-1.36e-05
4812	98	0.23	-0.34	-1.89	3.28e-04	3.17e-05	-1.29e-05
4812	105	0.21	-0.54	-1.85	3.27e-04	3.52e-05	-1.26e-05
4812	107	0.21	-0.33	-1.81	3.16e-04	3.01e-05	-1.26e-05
4812	108	8.33	4.43	-1.07	4.31e-05	1.55e-04	-4.93e-04
4812	139	2.19	-10.20	-3.43	8.84e-04	7.27e-05	3.81e-04
4812	140	9.34	5.02	-0.97	8.91e-06	1.70e-04	-5.54e-04
4812	171	2.45	-11.44	-3.63	9.55e-04	7.80e-05	4.32e-04
4812	172	8.91	4.93	-0.98	1.21e-05	1.67e-04	-5.43e-04
4812	203	2.46	-11.34	-3.61	9.48e-04	7.74e-05	4.34e-04
4812	204	10.19	5.79	-0.85	-3.87e-05	1.89e-04	-6.30e-04
4812	235	2.83	-13.18	-3.91	1.05e-03	8.43e-05	5.19e-04
4813	4	0.43	0.49	-2.73	0.0	2.02e-04	3.26e-05
4813	44	0.30	-1.64	-2.09	0.0	5.51e-05	-8.78e-05
4813	68	0.30	0.31	-1.92	0.0	1.44e-04	2.12e-05
4813	88	0.22	-1.10	-1.49	0.0	4.60e-05	-5.91e-05
4813	98	0.25	-0.19	-1.55	0.0	1.09e-04	1.26e-06
4813	105	0.23	-0.36	-1.46	0.0	9.17e-05	-1.13e-05
4813	107	0.24	-0.18	-1.49	0.0	1.05e-04	0.0
4813	112	12.65	0.10	-2.04	0.0	8.59e-04	-4.83e-04
4813	129	7.19	-8.63	-0.17	0.0	5.35e-04	-3.19e-04
4813	130	-6.71	8.27	-2.80	0.0	-3.24e-04	3.21e-04
4813	144	14.23	0.14	-2.11	0.0	9.55e-04	-5.44e-04
4813	161	8.10	-9.69	-7.75e-03	0.0	5.91e-04	-3.60e-04
4813	162	-7.62	9.33	-2.97	0.0	-3.80e-04	3.62e-04
4813	176	14.34	0.12	-2.10	0.0	9.59e-04	-5.34e-04
4813	193	8.34	-9.60	-0.03	0.0	6.02e-04	-3.60e-04
4813	194	-7.86	9.24	-2.95	0.0	-3.92e-04	3.62e-04
4813	216	17.05	-0.12	-1.62	0.0	1.11e-03	-6.79e-04
4813	225	9.96	-11.18	0.21	0.0	7.00e-04	-4.28e-04
4813	226	-9.48	10.81	-3.19	0.0	-4.90e-04	4.30e-04
4814	4	0.54	0.46	-2.73	0.0	1.97e-04	2.77e-05
4814	44	0.34	-1.74	-2.08	0.0	8.90e-05	-1.91e-04
4814	68	0.38	0.29	-1.92	0.0	1.40e-04	1.65e-05
4814	88	0.25	-1.17	-1.49	0.0	6.83e-05	-1.29e-04
4814	98	0.31	-0.22	-1.55	0.0	1.10e-04	-1.61e-05
4814	105	0.28	-0.40	-1.46	0.0	9.70e-05	-3.84e-05
4814	107	0.30	-0.21	-1.48	0.0	1.07e-04	-1.61e-05
4814	112	13.10	0.10	-2.04	0.0	8.50e-04	-5.77e-04
4814	129	7.47	-8.93	-0.17	0.0	5.23e-04	-3.92e-04
4814	130	-6.88	8.50	-2.80	0.0	-3.10e-04	3.60e-04
4814	144	14.74	0.13	-2.11	0.0	9.44e-04	-6.49e-04
4814	161	8.42	-10.02	-5.39e-03	0.0	5.77e-04	-4.40e-04
4814	162	-7.82	9.59	-2.96	0.0	-3.64e-04	4.08e-04
4814	176	14.85	0.12	-2.09	0.0	9.48e-04	-6.39e-04
4814	193	8.66	-9.93	-0.03	0.0	5.89e-04	-4.42e-04
4814	194	-8.06	9.50	-2.94	0.0	-3.76e-04	4.10e-04
4814	216	17.65	-0.13	-1.62	0.0	1.09e-03	-7.96e-04
4814	225	10.33	-11.56	0.21	0.0	6.84e-04	-5.23e-04
4814	226	-9.73	11.13	-3.18	0.0	-4.71e-04	4.91e-04
4815	4	0.65	0.43	-2.72	0.0	1.63e-04	0.0
4815	44	0.40	-1.84	-2.08	0.0	1.15e-04	-2.70e-04
4815	68	0.46	0.27	-1.92	0.0	1.16e-04	-4.10e-06
4815	88	0.29	-1.24	-1.49	0.0	8.41e-05	-1.84e-04
4815	98	0.37	-0.26	-1.55	0.0	9.62e-05	-4.14e-05
4815	105	0.34	-0.44	-1.45	0.0	8.94e-05	-6.84e-05
4815	107	0.36	-0.25	-1.48	0.0	9.28e-05	-4.04e-05
4815	112	13.55	0.09	-2.04	0.0	7.31e-04	-7.07e-04
4815	129	7.75	-9.22	-0.17	0.0	4.43e-04	-4.79e-04
4815	130	-7.03	8.73	-2.80	0.0	-2.57e-04	3.98e-04
4815	144	15.23	0.13	-2.11	0.0	8.12e-04	-7.91e-04
4815	161	8.72	-10.35	-5.04e-03	0.0	4.89e-04	-5.36e-04
4815	162	-8.01	9.86	-2.96	0.0	-3.03e-04	4.55e-04
4815	176	15.35	0.12	-2.09	0.0	8.15e-04	-7.83e-04
4815	193	8.97	-10.25	-0.03	0.0	4.99e-04	-5.41e-04
4815	194	-8.25	9.76	-2.94	0.0	-3.13e-04	4.60e-04

4815	216	18.22	-0.14	-1.62	0.0	9.25e-04	-9.62e-04
4815	225	10.69	-11.93	0.21	0.0	5.79e-04	-6.36e-04
4815	226	-9.97	11.43	-3.18	0.0	-3.94e-04	5.55e-04
4816	4	0.72	0.40	-2.72	0.0	9.60e-05	-3.87e-05
4816	44	0.47	-1.94	-2.09	0.0	1.21e-04	-3.02e-04
4816	68	0.51	0.25	-1.92	0.0	6.89e-05	-3.17e-05
4816	88	0.34	-1.31	-1.49	0.0	8.58e-05	-2.07e-04
4816	98	0.42	-0.29	-1.55	0.0	6.39e-05	-6.55e-05
4816	105	0.38	-0.48	-1.46	0.0	6.52e-05	-9.15e-05
4816	107	0.40	-0.28	-1.48	0.0	6.16e-05	-6.38e-05
4816	112	13.88	0.09	-2.04	0.0	5.08e-04	-8.52e-04
4816	129	7.95	-9.51	-0.17	0.0	2.98e-04	-5.65e-04
4816	130	-7.15	8.95	-2.80	0.0	-1.75e-04	4.38e-04
4816	144	15.60	0.13	-2.11	0.0	5.65e-04	-9.52e-04
4816	161	8.94	-10.67	-6.33e-03	0.0	3.29e-04	-6.31e-04
4816	162	-8.14	10.11	-2.96	0.0	-2.06e-04	5.03e-04
4816	176	15.72	0.12	-2.09	0.0	5.66e-04	-9.45e-04
4816	193	9.19	-10.57	-0.03	0.0	3.36e-04	-6.38e-04
4816	194	-8.39	10.01	-2.94	0.0	-2.13e-04	5.10e-04
4816	216	18.63	-0.14	-1.62	0.0	6.25e-04	-1.16e-03
4816	225	10.95	-12.29	0.21	0.0	3.91e-04	-7.49e-04
4816	226	-10.15	11.73	-3.18	0.0	-2.68e-04	6.22e-04
4817	4	0.44	0.49	-2.41	0.0	1.99e-04	-2.02e-06
4817	44	0.28	-1.64	-1.88	0.0	1.81e-06	-3.67e-05
4817	68	0.31	0.31	-1.69	0.0	1.41e-04	-2.37e-06
4817	88	0.20	-1.10	-1.34	0.0	9.26e-06	-2.55e-05
4817	98	0.25	-0.19	-1.37	0.0	9.84e-05	-7.73e-06
4817	105	0.22	-0.36	-1.29	0.0	7.63e-05	-1.12e-05
4817	107	0.24	-0.18	-1.31	0.0	9.51e-05	-7.75e-06
4817	112	12.42	0.10	-1.70	0.0	8.30e-04	-5.34e-04
4817	129	7.06	-8.63	-0.38	0.0	5.26e-04	-3.47e-04
4817	130	-6.58	8.26	-2.24	0.0	-3.36e-04	3.31e-04
4817	144	13.97	0.14	-1.75	0.0	9.23e-04	-6.01e-04
4817	161	7.95	-9.69	-0.26	0.0	5.82e-04	-3.90e-04
4817	162	-7.48	9.33	-2.35	0.0	-3.92e-04	3.75e-04
4817	176	14.08	0.12	-1.74	0.0	9.27e-04	-5.93e-04
4817	193	8.18	-9.60	-0.28	0.0	5.92e-04	-3.92e-04
4817	194	-7.70	9.24	-2.34	0.0	-4.02e-04	3.76e-04
4817	216	16.69	-0.13	-1.40	0.0	1.09e-03	-7.57e-04
4817	225	9.76	-11.18	-0.11	0.0	6.90e-04	-4.65e-04
4817	226	-9.29	10.81	-2.51	0.0	-4.99e-04	4.49e-04
4818	4	0.54	0.46	-2.42	0.0	1.77e-04	-1.69e-05
4818	44	0.28	-1.74	-1.89	0.0	3.51e-05	-7.95e-05
4818	68	0.38	0.29	-1.70	0.0	1.25e-04	-1.35e-05
4818	88	0.21	-1.17	-1.35	0.0	3.08e-05	-5.53e-05
4818	98	0.30	-0.22	-1.37	0.0	9.21e-05	-2.17e-05
4818	105	0.26	-0.40	-1.29	0.0	7.58e-05	-2.79e-05
4818	107	0.29	-0.21	-1.31	0.0	8.90e-05	-2.14e-05
4818	112	12.84	0.10	-1.71	0.0	7.54e-04	-5.95e-04
4818	129	7.32	-8.93	-0.38	0.0	4.72e-04	-3.89e-04
4818	130	-6.75	8.50	-2.25	0.0	-2.94e-04	3.47e-04
4818	144	14.44	0.13	-1.76	0.0	8.39e-04	-6.67e-04
4818	161	8.25	-10.02	-0.26	0.0	5.21e-04	-4.37e-04
4818	162	-7.67	9.59	-2.36	0.0	-3.43e-04	3.94e-04
4818	176	14.55	0.12	-1.75	0.0	8.42e-04	-6.59e-04
4818	193	8.48	-9.93	-0.28	0.0	5.31e-04	-4.39e-04
4818	194	-7.90	9.50	-2.35	0.0	-3.53e-04	3.96e-04
4818	216	17.24	-0.13	-1.40	0.0	9.74e-04	-8.28e-04
4818	225	10.11	-11.56	-0.10	0.0	6.17e-04	-5.19e-04
4818	226	-9.54	11.13	-2.52	0.0	-4.39e-04	4.76e-04
4819	4	0.63	0.43	-2.42	0.0	1.38e-04	-4.08e-05
4819	44	0.31	-1.84	-1.89	0.0	8.17e-05	-1.17e-04
4819	68	0.44	0.27	-1.70	0.0	9.84e-05	-3.09e-05
4819	88	0.23	-1.24	-1.35	0.0	6.07e-05	-8.15e-05
4819	98	0.35	-0.26	-1.38	0.0	7.93e-05	-3.91e-05
4819	105	0.30	-0.44	-1.29	0.0	7.20e-05	-4.62e-05
4819	107	0.33	-0.25	-1.32	0.0	7.65e-05	-3.81e-05
4819	112	13.21	0.09	-1.72	0.0	6.33e-04	-6.88e-04
4819	129	7.55	-9.22	-0.38	0.0	3.85e-04	-4.50e-04
4819	130	-6.89	8.73	-2.25	0.0	-2.32e-04	3.74e-04
4819	144	14.85	0.13	-1.77	0.0	7.04e-04	-7.71e-04
4819	161	8.50	-10.35	-0.26	0.0	4.25e-04	-5.04e-04
4819	162	-7.83	9.86	-2.37	0.0	-2.72e-04	4.27e-04
4819	176	14.96	0.12	-1.75	0.0	7.06e-04	-7.63e-04
4819	193	8.74	-10.25	-0.27	0.0	4.33e-04	-5.08e-04

4819	194	-8.07	9.76	-2.36	0.0	-2.80e-04	4.31e-04
4819	216	17.71	-0.14	-1.41	0.0	7.98e-04	-9.50e-04
4819	225	10.41	-11.92	-0.10	0.0	5.03e-04	-5.98e-04
4819	226	-9.75	11.43	-2.53	0.0	-3.50e-04	5.21e-04
4820	4	0.69	0.40	-2.43	0.0	8.90e-05	-5.87e-05
4820	44	0.36	-1.93	-1.90	0.0	1.30e-04	-1.31e-04
4820	68	0.49	0.25	-1.71	0.0	6.41e-05	-4.37e-05
4820	88	0.27	-1.31	-1.36	0.0	9.14e-05	-9.20e-05
4820	98	0.38	-0.29	-1.38	0.0	6.17e-05	-5.02e-05
4820	105	0.34	-0.48	-1.30	0.0	6.47e-05	-5.68e-05
4820	107	0.37	-0.28	-1.32	0.0	5.95e-05	-4.89e-05
4820	112	13.50	0.09	-1.72	0.0	4.85e-04	-7.49e-04
4820	129	7.72	-9.51	-0.38	0.0	2.82e-04	-4.89e-04
4820	130	-6.99	8.95	-2.26	0.0	-1.63e-04	3.92e-04
4820	144	15.18	0.13	-1.77	0.0	5.39e-04	-8.38e-04
4820	161	8.69	-10.67	-0.26	0.0	3.11e-04	-5.46e-04
4820	162	-7.95	10.11	-2.38	0.0	-1.92e-04	4.49e-04
4820	176	15.29	0.12	-1.76	0.0	5.41e-04	-8.30e-04
4820	193	8.93	-10.57	-0.28	0.0	3.17e-04	-5.51e-04
4820	194	-8.20	10.01	-2.36	0.0	-1.98e-04	4.54e-04
4820	216	18.08	-0.14	-1.41	0.0	5.87e-04	-1.03e-03
4820	225	10.64	-12.29	-0.10	0.0	3.68e-04	-6.48e-04
4820	226	-9.90	11.73	-2.54	0.0	-2.49e-04	5.50e-04
4821	4	0.43	0.48	-2.05	0.0	1.81e-04	-1.94e-05
4821	44	0.27	-1.64	-1.64	0.0	-1.27e-05	-6.50e-06
4821	68	0.30	0.31	-1.44	0.0	1.28e-04	-1.41e-05
4821	88	0.19	-1.10	-1.16	0.0	-1.62e-06	-5.50e-06
4821	98	0.24	-0.19	-1.16	0.0	8.68e-05	-1.15e-05
4821	105	0.22	-0.36	-1.10	0.0	6.52e-05	-9.98e-06
4821	107	0.23	-0.18	-1.11	0.0	8.38e-05	-1.13e-05
4821	112	12.16	0.10	-1.36	0.0	7.90e-04	-5.62e-04
4821	129	6.91	-8.63	-0.53	0.0	5.04e-04	-3.61e-04
4821	130	-6.45	8.26	-1.70	0.0	-3.37e-04	3.38e-04
4821	144	13.68	0.14	-1.39	0.0	8.79e-04	-6.31e-04
4821	161	7.78	-9.69	-0.45	0.0	5.59e-04	-4.06e-04
4821	162	-7.32	9.32	-1.77	0.0	-3.91e-04	3.84e-04
4821	176	13.78	0.12	-1.39	0.0	8.83e-04	-6.23e-04
4821	193	8.00	-9.60	-0.46	0.0	5.68e-04	-4.08e-04
4821	194	-7.54	9.24	-1.76	0.0	-4.01e-04	3.86e-04
4821	216	16.28	-0.13	-1.17	0.0	1.04e-03	-8.02e-04
4821	225	9.55	-11.18	-0.35	0.0	6.62e-04	-4.84e-04
4821	226	-9.09	10.81	-1.87	0.0	-4.95e-04	4.62e-04
4822	4	0.52	0.46	-2.08	0.0	1.58e-04	-3.84e-05
4822	44	0.26	-1.74	-1.66	0.0	1.99e-05	-1.41e-05
4822	68	0.37	0.29	-1.46	0.0	1.12e-04	-2.78e-05
4822	88	0.19	-1.17	-1.18	0.0	1.96e-05	-1.16e-05
4822	98	0.29	-0.23	-1.18	0.0	8.00e-05	-2.26e-05
4822	105	0.25	-0.40	-1.11	0.0	6.43e-05	-1.97e-05
4822	107	0.27	-0.21	-1.12	0.0	7.72e-05	-2.21e-05
4822	112	12.56	0.10	-1.38	0.0	7.03e-04	-6.08e-04
4822	129	7.16	-8.93	-0.53	0.0	4.42e-04	-3.92e-04
4822	130	-6.61	8.50	-1.72	0.0	-2.87e-04	3.48e-04
4822	144	14.12	0.13	-1.41	0.0	7.83e-04	-6.82e-04
4822	161	8.06	-10.02	-0.45	0.0	4.89e-04	-4.40e-04
4822	162	-7.51	9.59	-1.79	0.0	-3.35e-04	3.96e-04
4822	176	14.23	0.12	-1.40	0.0	7.85e-04	-6.74e-04
4822	193	8.28	-9.93	-0.46	0.0	4.97e-04	-4.42e-04
4822	194	-7.74	9.50	-1.79	0.0	-3.43e-04	3.98e-04
4822	216	16.80	-0.13	-1.18	0.0	9.10e-04	-8.59e-04
4822	225	9.88	-11.56	-0.35	0.0	5.79e-04	-5.23e-04
4822	226	-9.33	11.13	-1.89	0.0	-4.25e-04	4.79e-04
4823	4	0.59	0.43	-2.09	0.0	1.25e-04	-5.51e-05
4823	44	0.28	-1.84	-1.68	0.0	7.10e-05	-2.32e-05
4823	68	0.42	0.27	-1.47	0.0	8.88e-05	-3.98e-05
4823	88	0.21	-1.24	-1.19	0.0	5.29e-05	-1.85e-05
4823	98	0.33	-0.26	-1.19	0.0	7.10e-05	-3.24e-05
4823	105	0.29	-0.44	-1.12	0.0	6.40e-05	-2.86e-05
4823	107	0.31	-0.25	-1.14	0.0	6.84e-05	-3.16e-05
4823	112	12.90	0.09	-1.39	0.0	5.90e-04	-6.56e-04
4823	129	7.37	-9.22	-0.53	0.0	3.58e-04	-4.24e-04
4823	130	-6.74	8.73	-1.74	0.0	-2.22e-04	3.60e-04
4823	144	14.50	0.13	-1.43	0.0	6.56e-04	-7.35e-04
4823	161	8.29	-10.35	-0.46	0.0	3.96e-04	-4.74e-04
4823	162	-7.67	9.86	-1.82	0.0	-2.59e-04	4.11e-04
4823	176	14.61	0.12	-1.42	0.0	6.58e-04	-7.27e-04

4823	193	8.52	-10.25	-0.47	0.0	4.03e-04	-4.77e-04
4823	194	-7.90	9.76	-1.81	0.0	-2.66e-04	4.14e-04
4823	216	17.24	-0.14	-1.19	0.0	7.39e-04	-9.20e-04
4823	225	10.15	-11.92	-0.35	0.0	4.69e-04	-5.63e-04
4823	226	-9.53	11.43	-1.92	0.0	-3.32e-04	4.99e-04
4824	4	0.65	0.40	-2.11	0.0	8.89e-05	-6.21e-05
4824	44	0.34	-1.93	-1.69	0.0	1.30e-04	-2.90e-05
4824	68	0.46	0.25	-1.48	0.0	6.40e-05	-4.49e-05
4824	88	0.25	-1.31	-1.20	0.0	9.11e-05	-2.27e-05
4824	98	0.36	-0.29	-1.20	0.0	6.15e-05	-3.69e-05
4824	105	0.32	-0.48	-1.13	0.0	6.45e-05	-3.28e-05
4824	107	0.35	-0.28	-1.14	0.0	5.93e-05	-3.59e-05
4824	112	13.17	0.09	-1.41	0.0	4.70e-04	-6.86e-04
4824	129	7.53	-9.51	-0.53	0.0	2.72e-04	-4.44e-04
4824	130	-6.84	8.95	-1.76	0.0	-1.53e-04	3.72e-04
4824	144	14.80	0.13	-1.44	0.0	5.22e-04	-7.69e-04
4824	161	8.47	-10.66	-0.46	0.0	3.00e-04	-4.96e-04
4824	162	-7.78	10.11	-1.83	0.0	-1.81e-04	4.24e-04
4824	176	14.91	0.12	-1.43	0.0	5.23e-04	-7.60e-04
4824	193	8.70	-10.57	-0.47	0.0	3.05e-04	-5.00e-04
4824	194	-8.01	10.01	-1.82	0.0	-1.87e-04	4.28e-04
4824	216	17.57	-0.14	-1.20	0.0	5.60e-04	-9.62e-04
4824	225	10.37	-12.29	-0.36	0.0	3.54e-04	-5.88e-04
4824	226	-9.68	11.73	-1.93	0.0	-2.36e-04	5.17e-04
4825	4	0.75	0.37	-2.73	0.0	2.89e-05	-2.51e-05
4825	44	0.52	-2.03	-2.09	0.0	1.21e-04	-2.36e-04
4825	68	0.53	0.23	-1.92	0.0	2.13e-05	-2.11e-05
4825	88	0.38	-1.37	-1.50	0.0	8.29e-05	-1.62e-04
4825	98	0.44	-0.32	-1.55	0.0	3.04e-05	-4.88e-05
4825	105	0.40	-0.51	-1.46	0.0	3.92e-05	-6.96e-05
4825	107	0.42	-0.31	-1.49	0.0	2.91e-05	-4.75e-05
4825	112	14.07	0.08	-2.04	0.0	2.89e-04	-7.59e-04
4825	129	8.05	-9.78	-0.17	0.0	1.57e-04	-5.08e-04
4825	130	-7.21	9.16	-2.80	0.0	-9.84e-05	4.13e-04
4825	144	15.81	0.13	-2.11	0.0	3.22e-04	-8.50e-04
4825	161	9.06	-10.97	-9.61e-03	0.0	1.73e-04	-5.67e-04
4825	162	-8.21	10.35	-2.96	0.0	-1.15e-04	4.72e-04
4825	176	15.93	0.12	-2.09	0.0	3.22e-04	-8.41e-04
4825	193	9.31	-10.86	-0.03	0.0	1.77e-04	-5.72e-04
4825	194	-8.47	10.25	-2.94	0.0	-1.19e-04	4.77e-04
4825	216	18.86	-0.15	-1.62	0.0	3.31e-04	-1.04e-03
4825	225	11.09	-12.63	0.21	0.0	2.06e-04	-6.73e-04
4825	226	-10.25	12.01	-3.18	0.0	-1.48e-04	5.78e-04
4826	4	0.74	0.33	-2.74	0.0	-1.51e-05	-1.26e-05
4826	44	0.59	-2.11	-2.10	0.0	1.24e-04	-1.32e-04
4826	68	0.53	0.20	-1.93	0.0	-9.76e-06	-1.10e-05
4826	88	0.42	-1.43	-1.50	0.0	8.32e-05	-9.04e-05
4826	98	0.44	-0.36	-1.56	0.0	8.82e-06	-2.72e-05
4826	105	0.42	-0.55	-1.46	0.0	2.29e-05	-3.90e-05
4826	107	0.43	-0.34	-1.49	0.0	8.29e-06	-2.66e-05
4826	112	14.15	0.07	-2.04	0.0	1.19e-04	-6.70e-04
4826	129	8.09	-10.04	-0.18	0.0	6.67e-05	-4.45e-04
4826	130	-7.24	9.36	-2.80	0.0	-5.01e-05	3.92e-04
4826	144	15.90	0.12	-2.11	0.0	1.33e-04	-7.52e-04
4826	161	9.09	-11.26	-0.02	0.0	7.42e-05	-4.99e-04
4826	162	-8.24	10.57	-2.96	0.0	-5.76e-05	4.46e-04
4826	176	16.02	0.11	-2.09	0.0	1.32e-04	-7.42e-04
4826	193	9.35	-11.15	-0.04	0.0	7.44e-05	-5.02e-04
4826	194	-8.50	10.47	-2.94	0.0	-5.79e-05	4.48e-04
4826	216	18.94	-0.16	-1.63	0.0	1.02e-04	-9.37e-04
4826	225	11.13	-12.96	0.20	0.0	8.71e-05	-5.92e-04
4826	226	-10.28	12.27	-3.18	0.0	-7.05e-05	5.39e-04
4827	4	0.72	0.29	-2.76	-4.10e-04	3.17e-05	-7.46e-06
4827	44	0.65	-2.20	-2.12	-2.35e-04	1.30e-04	-8.04e-06
4827	52	0.73	-0.67	-2.63	-3.57e-04	5.57e-05	-8.38e-06
4827	68	0.51	0.17	-1.94	-2.94e-04	2.36e-05	-5.80e-06
4827	88	0.46	-1.49	-1.52	-1.77e-04	8.91e-05	-6.19e-06
4827	92	0.52	-0.47	-1.86	-2.58e-04	3.96e-05	-6.41e-06
4827	98	0.44	-0.39	-1.57	-2.39e-04	3.35e-05	-6.36e-06
4827	105	0.42	-0.59	-1.47	-2.19e-04	4.29e-05	-6.31e-06
4827	107	0.42	-0.38	-1.50	-2.31e-04	3.22e-05	-6.34e-06
4827	112	14.18	0.06	-2.05	-4.68e-04	1.89e-04	-6.16e-04
4827	129	8.09	-10.31	-0.19	3.12e-04	9.80e-05	-3.99e-04
4827	130	-7.24	9.55	-2.81	-7.74e-04	-3.35e-05	3.86e-04
4827	144	15.94	0.11	-2.12	-4.97e-04	2.09e-04	-6.93e-04

4827	161	9.10	-11.55	-0.03	3.80e-04	1.07e-04	-4.49e-04
4827	162	-8.25	10.80	-2.97	-8.42e-04	-4.21e-05	4.36e-04
4827	176	16.06	0.10	-2.10	-4.88e-04	2.08e-04	-6.82e-04
4827	193	9.36	-11.44	-0.05	3.73e-04	1.08e-04	-4.51e-04
4827	194	-8.51	10.69	-2.95	-8.35e-04	-4.32e-05	4.38e-04
4827	216	18.95	-0.17	-1.64	-5.31e-04	1.79e-04	-8.82e-04
4827	225	11.14	-13.29	0.19	4.71e-04	1.23e-04	-5.35e-04
4827	226	-10.30	12.54	-3.19	-9.33e-04	-5.81e-05	5.22e-04
4828	4	0.72	0.37	-2.44	0.0	4.28e-05	-5.09e-05
4828	44	0.44	-2.02	-1.91	0.0	1.69e-04	-1.08e-04
4828	68	0.51	0.23	-1.72	0.0	3.18e-05	-3.78e-05
4828	88	0.32	-1.37	-1.36	0.0	1.16e-04	-7.58e-05
4828	98	0.41	-0.32	-1.39	0.0	4.43e-05	-4.28e-05
4828	105	0.37	-0.51	-1.30	0.0	5.63e-05	-4.79e-05
4828	107	0.39	-0.31	-1.32	0.0	4.26e-05	-4.17e-05
4828	112	13.70	0.08	-1.73	0.0	3.42e-04	-7.34e-04
4828	129	7.84	-9.78	-0.38	0.0	1.87e-04	-4.79e-04
4828	130	-7.05	9.16	-2.27	0.0	-1.01e-04	3.95e-04
4828	144	15.40	0.13	-1.78	0.0	3.80e-04	-8.22e-04
4828	161	8.81	-10.96	-0.26	0.0	2.05e-04	-5.35e-04
4828	162	-8.03	10.35	-2.39	0.0	-1.20e-04	4.52e-04
4828	176	15.52	0.12	-1.76	0.0	3.81e-04	-8.14e-04
4828	193	9.06	-10.86	-0.28	0.0	2.10e-04	-5.40e-04
4828	194	-8.27	10.24	-2.37	0.0	-1.25e-04	4.56e-04
4828	216	18.31	-0.15	-1.42	0.0	3.85e-04	-1.02e-03
4828	225	10.79	-12.63	-0.10	0.0	2.44e-04	-6.35e-04
4828	226	-10.00	12.01	-2.54	0.0	-1.58e-04	5.52e-04
4829	4	0.73	0.33	-2.45	0.0	8.04e-06	-3.14e-05
4829	44	0.54	-2.11	-1.93	0.0	1.94e-04	-6.44e-05
4829	68	0.51	0.20	-1.73	0.0	7.50e-06	-2.35e-05
4829	88	0.39	-1.43	-1.37	0.0	1.31e-04	-4.55e-05
4829	98	0.43	-0.36	-1.39	0.0	3.06e-05	-2.67e-05
4829	105	0.40	-0.55	-1.31	0.0	4.90e-05	-2.96e-05
4829	107	0.41	-0.34	-1.33	0.0	2.94e-05	-2.60e-05
4829	112	13.83	0.07	-1.73	0.0	1.91e-04	-6.76e-04
4829	129	7.90	-10.04	-0.39	0.0	1.18e-04	-4.41e-04
4829	130	-7.08	9.36	-2.28	0.0	-5.92e-05	3.89e-04
4829	144	15.54	0.12	-1.78	0.0	2.12e-04	-7.58e-04
4829	161	8.88	-11.26	-0.27	0.0	1.30e-04	-4.94e-04
4829	162	-8.06	10.57	-2.40	0.0	-7.07e-05	4.42e-04
4829	176	15.66	0.11	-1.77	0.0	2.11e-04	-7.49e-04
4829	193	9.13	-11.15	-0.28	0.0	1.32e-04	-4.97e-04
4829	194	-8.31	10.47	-2.38	0.0	-7.28e-05	4.45e-04
4829	216	18.45	-0.16	-1.42	0.0	1.77e-04	-9.51e-04
4829	225	10.87	-12.96	-0.11	0.0	1.52e-04	-5.87e-04
4829	226	-10.05	12.27	-2.55	0.0	-9.32e-05	5.35e-04
4830	4	0.72	0.29	-2.48	-4.15e-04	3.17e-05	-7.45e-06
4830	44	0.64	-2.20	-1.96	-2.46e-04	1.30e-04	-8.05e-06
4830	52	0.73	-0.68	-2.39	-3.64e-04	5.57e-05	-8.38e-06
4830	68	0.51	0.17	-1.75	-2.97e-04	2.36e-05	-5.80e-06
4830	88	0.46	-1.49	-1.40	-1.84e-04	8.91e-05	-6.20e-06
4830	92	0.52	-0.48	-1.68	-2.63e-04	3.96e-05	-6.42e-06
4830	98	0.44	-0.40	-1.41	-2.39e-04	3.35e-05	-6.37e-06
4830	105	0.42	-0.59	-1.33	-2.20e-04	4.29e-05	-6.33e-06
4830	107	0.42	-0.38	-1.35	-2.31e-04	3.22e-05	-6.36e-06
4830	112	13.91	0.06	-1.75	-4.59e-04	1.89e-04	-6.15e-04
4830	129	7.93	-10.31	-0.40	3.27e-04	9.80e-05	-3.99e-04
4830	130	-7.09	9.55	-2.29	-7.90e-04	-3.35e-05	3.86e-04
4830	144	15.63	0.11	-1.80	-4.88e-04	2.09e-04	-6.92e-04
4830	161	8.91	-11.55	-0.28	3.97e-04	1.07e-04	-4.49e-04
4830	162	-8.07	10.80	-2.41	-8.59e-04	-4.21e-05	4.36e-04
4830	176	15.74	0.10	-1.79	-4.79e-04	2.08e-04	-6.82e-04
4830	193	9.16	-11.44	-0.30	3.87e-04	1.08e-04	-4.51e-04
4830	194	-8.32	10.69	-2.40	-8.50e-04	-4.32e-05	4.38e-04
4830	216	18.51	-0.17	-1.44	-3.04e-04	1.79e-04	-8.82e-04
4830	225	10.91	-13.29	-0.12	4.89e-04	1.23e-04	-5.35e-04
4830	226	-10.07	12.54	-2.57	-9.52e-04	-5.81e-05	5.22e-04
4831	4	0.69	0.37	-2.13	0.0	5.75e-05	-5.43e-05
4831	44	0.42	-2.02	-1.71	0.0	1.79e-04	-2.71e-05
4831	68	0.48	0.23	-1.49	0.0	4.24e-05	-3.92e-05
4831	88	0.30	-1.37	-1.21	0.0	1.23e-04	-2.12e-05
4831	98	0.39	-0.32	-1.21	0.0	5.32e-05	-3.26e-05
4831	105	0.35	-0.51	-1.14	0.0	6.46e-05	-2.93e-05
4831	107	0.37	-0.31	-1.15	0.0	5.13e-05	-3.18e-05
4831	112	13.37	0.08	-1.42	0.0	3.64e-04	-6.87e-04

4831	129	7.64	-9.78	-0.54	0.0	1.99e-04	-4.44e-04
4831	130	-6.89	9.16	-1.77	0.0	-9.68e-05	3.81e-04
4831	144	15.03	0.13	-1.45	0.0	4.03e-04	-7.70e-04
4831	161	8.59	-10.96	-0.46	0.0	2.19e-04	-4.98e-04
4831	162	-7.85	10.35	-1.85	0.0	-1.16e-04	4.34e-04
4831	176	15.14	0.12	-1.44	0.0	4.04e-04	-7.62e-04
4831	193	8.83	-10.86	-0.47	0.0	2.23e-04	-5.01e-04
4831	194	-8.08	10.24	-1.84	0.0	-1.21e-04	4.37e-04
4831	216	17.81	-0.15	-1.21	0.0	4.02e-04	-9.67e-04
4831	225	10.51	-12.62	-0.36	0.0	2.58e-04	-5.91e-04
4831	226	-9.77	12.01	-1.95	0.0	-1.55e-04	5.27e-04
4832	4	0.70	0.33	-2.15	0.0	3.42e-05	-3.51e-05
4832	44	0.52	-2.11	-1.73	0.0	2.13e-04	-1.99e-05
4832	68	0.50	0.20	-1.51	0.0	2.63e-05	-2.55e-05
4832	88	0.38	-1.43	-1.23	0.0	1.45e-04	-1.54e-05
4832	98	0.41	-0.36	-1.22	0.0	4.65e-05	-2.20e-05
4832	105	0.38	-0.55	-1.15	0.0	6.40e-05	-2.00e-05
4832	107	0.40	-0.34	-1.17	0.0	4.48e-05	-2.15e-05
4832	112	13.52	0.07	-1.43	0.0	2.82e-04	-6.60e-04
4832	129	7.71	-10.04	-0.55	0.0	1.50e-04	-4.27e-04
4832	130	-6.92	9.36	-1.78	0.0	-6.04e-05	3.84e-04
4832	144	15.19	0.12	-1.46	0.0	3.12e-04	-7.40e-04
4832	161	8.68	-11.26	-0.47	0.0	1.64e-04	-4.80e-04
4832	162	-7.88	10.57	-1.86	0.0	-7.42e-05	4.37e-04
4832	176	15.31	0.11	-1.45	0.0	3.12e-04	-7.31e-04
4832	193	8.91	-11.15	-0.48	0.0	1.67e-04	-4.82e-04
4832	194	-8.12	10.47	-1.85	0.0	-7.71e-05	4.39e-04
4832	208	17.99	0.17	-1.50	0.0	3.59e-04	-8.51e-04
4832	225	10.61	-12.96	-0.36	0.0	1.91e-04	-5.70e-04
4832	226	-9.82	12.27	-1.97	0.0	-1.02e-04	5.27e-04
4833	4	0.71	0.28	-2.19	-3.73e-04	3.17e-05	-7.24e-06
4833	44	0.64	-2.20	-1.77	-2.21e-04	1.30e-04	-7.86e-06
4833	52	0.72	-0.68	-2.12	-3.27e-04	5.57e-05	-8.19e-06
4833	68	0.51	0.16	-1.54	-2.67e-04	2.36e-05	-5.63e-06
4833	88	0.46	-1.50	-1.26	-1.65e-04	8.91e-05	-6.05e-06
4833	92	0.51	-0.48	-1.49	-2.36e-04	3.96e-05	-6.26e-06
4833	98	0.43	-0.40	-1.24	-2.13e-04	3.35e-05	-6.20e-06
4833	105	0.42	-0.59	-1.17	-1.96e-04	4.29e-05	-6.15e-06
4833	107	0.42	-0.38	-1.19	-2.06e-04	3.22e-05	-6.19e-06
4833	112	13.63	0.06	-1.45	-4.13e-04	1.89e-04	-6.15e-04
4833	129	7.76	-10.31	-0.56	2.87e-04	9.80e-05	-3.98e-04
4833	130	-6.93	9.55	-1.81	-7.00e-04	-3.35e-05	3.86e-04
4833	144	15.32	0.11	-1.49	-4.38e-04	2.09e-04	-6.92e-04
4833	161	8.73	-11.55	-0.49	3.49e-04	1.07e-04	-4.49e-04
4833	162	-7.90	10.79	-1.89	-7.61e-04	-4.21e-05	4.37e-04
4833	176	15.43	0.09	-1.48	-4.32e-04	2.08e-04	-6.81e-04
4833	193	8.97	-11.44	-0.49	3.41e-04	1.08e-04	-4.51e-04
4833	194	-8.14	10.68	-1.88	-7.54e-04	-4.32e-05	4.38e-04
4833	208	18.14	0.16	-1.52	-4.67e-04	2.39e-04	-7.94e-04
4833	225	10.67	-13.29	-0.38	4.32e-04	1.23e-04	-5.35e-04
4833	226	-9.84	12.53	-1.99	-8.44e-04	-5.81e-05	5.22e-04
4834	4	0.41	0.48	-1.81	0.0	1.62e-04	-2.42e-05
4834	44	0.27	-1.64	-1.48	0.0	-6.35e-06	9.12e-06
4834	68	0.29	0.31	-1.27	0.0	1.14e-04	-1.72e-05
4834	88	0.20	-1.10	-1.05	0.0	1.72e-06	5.01e-06
4834	98	0.23	-0.19	-1.03	0.0	7.74e-05	-1.14e-05
4834	105	0.21	-0.36	-0.97	0.0	5.86e-05	-7.74e-06
4834	107	0.22	-0.18	-0.98	0.0	7.46e-05	-1.11e-05
4834	112	11.93	0.10	-1.13	0.0	7.54e-04	-5.67e-04
4834	129	6.77	-8.63	-0.63	0.0	4.81e-04	-3.63e-04
4834	130	-6.32	8.26	-1.33	0.0	-3.32e-04	3.41e-04
4834	144	13.42	0.13	-1.15	0.0	8.41e-04	-6.37e-04
4834	161	7.63	-9.69	-0.58	0.0	5.34e-04	-4.09e-04
4834	162	-7.18	9.32	-1.38	0.0	-3.85e-04	3.87e-04
4834	176	13.52	0.12	-1.15	0.0	8.44e-04	-6.30e-04
4834	193	7.84	-9.60	-0.59	0.0	5.43e-04	-4.12e-04
4834	194	-7.39	9.23	-1.37	0.0	-3.93e-04	3.89e-04
4834	208	15.91	0.15	-1.17	0.0	9.82e-04	-7.35e-04
4834	225	9.35	-11.18	-0.52	0.0	6.33e-04	-4.88e-04
4834	226	-8.90	10.81	-1.44	0.0	-4.84e-04	4.66e-04
4835	4	0.50	0.46	-1.84	0.0	1.43e-04	-4.30e-05
4835	44	0.27	-1.74	-1.51	0.0	2.40e-05	1.80e-05
4835	68	0.35	0.29	-1.29	0.0	1.01e-04	-3.05e-05
4835	88	0.20	-1.17	-1.07	0.0	2.16e-05	1.01e-05
4835	98	0.27	-0.23	-1.05	0.0	7.27e-05	-1.99e-05

4835	105	0.24	-0.40	-0.99	0.0	5.90e-05	-1.33e-05
4835	107	0.26	-0.21	-1.00	0.0	7.01e-05	-1.94e-05
4835	112	12.31	0.10	-1.15	0.0	6.75e-04	-6.05e-04
4835	129	7.01	-8.93	-0.63	0.0	4.23e-04	-3.88e-04
4835	130	-6.48	8.50	-1.36	0.0	-2.83e-04	3.50e-04
4835	144	13.84	0.13	-1.17	0.0	7.51e-04	-6.79e-04
4835	161	7.89	-10.02	-0.59	0.0	4.69e-04	-4.36e-04
4835	162	-7.37	9.59	-1.41	0.0	-3.29e-04	3.97e-04
4835	176	13.95	0.12	-1.17	0.0	7.54e-04	-6.71e-04
4835	193	8.11	-9.93	-0.60	0.0	4.77e-04	-4.39e-04
4835	194	-7.58	9.50	-1.40	0.0	-3.36e-04	4.00e-04
4835	216	16.41	-0.13	-1.03	0.0	8.72e-04	-8.64e-04
4835	225	9.67	-11.56	-0.53	0.0	5.55e-04	-5.19e-04
4835	226	-9.14	11.13	-1.47	0.0	-4.15e-04	4.80e-04
4836	4	0.56	0.43	-1.87	0.0	1.18e-04	-5.52e-05
4836	44	0.29	-1.84	-1.53	0.0	7.12e-05	2.17e-05
4836	68	0.40	0.27	-1.31	0.0	8.37e-05	-3.93e-05
4836	88	0.22	-1.24	-1.08	0.0	5.26e-05	1.20e-05
4836	98	0.31	-0.26	-1.06	0.0	6.72e-05	-2.58e-05
4836	105	0.27	-0.44	-1.00	0.0	6.11e-05	-1.74e-05
4836	107	0.30	-0.25	-1.01	0.0	6.48e-05	-2.51e-05
4836	112	12.63	0.09	-1.17	0.0	5.71e-04	-6.34e-04
4836	129	7.21	-9.22	-0.64	0.0	3.47e-04	-4.08e-04
4836	130	-6.61	8.73	-1.38	0.0	-2.17e-04	3.57e-04
4836	144	14.21	0.13	-1.19	0.0	6.35e-04	-7.11e-04
4836	161	8.11	-10.35	-0.59	0.0	3.83e-04	-4.57e-04
4836	162	-7.52	9.86	-1.43	0.0	-2.54e-04	4.07e-04
4836	176	14.31	0.12	-1.18	0.0	6.37e-04	-7.03e-04
4836	193	8.33	-10.25	-0.60	0.0	3.90e-04	-4.60e-04
4836	194	-7.74	9.76	-1.42	0.0	-2.60e-04	4.10e-04
4836	208	16.83	0.16	-1.21	0.0	7.39e-04	-8.18e-04
4836	225	9.93	-11.92	-0.53	0.0	4.53e-04	-5.43e-04
4836	226	-9.34	11.43	-1.49	0.0	-3.24e-04	4.93e-04
4837	4	0.62	0.40	-1.89	0.0	9.20e-05	-5.76e-05
4837	44	0.34	-1.93	-1.55	0.0	1.26e-04	1.95e-05
4837	68	0.44	0.25	-1.32	0.0	6.61e-05	-4.10e-05
4837	88	0.25	-1.31	-1.10	0.0	8.85e-05	1.04e-05
4837	98	0.34	-0.29	-1.07	0.0	6.24e-05	-2.74e-05
4837	105	0.31	-0.48	-1.01	0.0	6.46e-05	-1.90e-05
4837	107	0.33	-0.28	-1.02	0.0	6.02e-05	-2.68e-05
4837	112	12.90	0.09	-1.18	0.0	4.65e-04	-6.51e-04
4837	129	7.36	-9.51	-0.64	0.0	2.69e-04	-4.19e-04
4837	130	-6.70	8.95	-1.40	0.0	-1.48e-04	3.66e-04
4837	144	14.50	0.13	-1.20	0.0	5.16e-04	-7.30e-04
4837	161	8.29	-10.66	-0.60	0.0	2.96e-04	-4.70e-04
4837	162	-7.63	10.11	-1.45	0.0	-1.76e-04	4.17e-04
4837	176	14.61	0.12	-1.20	0.0	5.17e-04	-7.21e-04
4837	193	8.51	-10.57	-0.60	0.0	3.01e-04	-4.73e-04
4837	194	-7.85	10.01	-1.44	0.0	-1.81e-04	4.19e-04
4837	208	17.18	0.17	-1.23	0.0	5.98e-04	-8.39e-04
4837	225	10.14	-12.29	-0.53	0.0	3.49e-04	-5.58e-04
4837	226	-9.48	11.73	-1.51	0.0	-2.29e-04	5.04e-04
4838	4	0.40	0.48	-1.68	0.0	1.43e-04	-2.32e-05
4838	44	0.28	-1.64	-1.41	0.0	9.39e-06	1.67e-05
4838	68	0.28	0.31	-1.18	0.0	1.01e-04	-1.64e-05
4838	88	0.20	-1.11	-0.99	0.0	1.15e-05	1.03e-05
4838	98	0.23	-0.19	-0.96	0.0	7.01e-05	-9.72e-06
4838	105	0.21	-0.36	-0.90	0.0	5.49e-05	-5.38e-06
4838	107	0.22	-0.18	-0.91	0.0	6.75e-05	-9.46e-06
4838	112	11.70	0.10	-0.99	0.0	7.27e-04	-5.65e-04
4838	124	-0.16	7.10	-1.10	0.0	2.34e-05	3.65e-05
4838	129	6.63	-8.63	-0.72	0.0	4.61e-04	-3.62e-04
4838	144	13.16	0.13	-1.00	0.0	8.10e-04	-6.35e-04
4838	156	-0.21	8.01	-1.12	0.0	1.76e-05	4.28e-05
4838	161	7.47	-9.69	-0.70	0.0	5.11e-04	-4.07e-04
4838	176	13.26	0.12	-1.00	0.0	8.13e-04	-6.27e-04
4838	188	-0.26	7.92	-1.12	0.0	1.66e-05	4.48e-05
4838	193	7.68	-9.60	-0.70	0.0	5.20e-04	-4.10e-04
4838	208	15.61	0.15	-1.01	0.0	9.46e-04	-7.32e-04
4838	225	9.16	-11.18	-0.67	0.0	6.07e-04	-4.87e-04
4838	226	-8.72	10.81	-1.15	0.0	-4.72e-04	4.68e-04
4839	4	0.47	0.45	-1.71	0.0	1.30e-04	-3.97e-05
4839	44	0.29	-1.74	-1.43	0.0	3.55e-05	3.29e-05
4839	68	0.33	0.29	-1.20	0.0	9.18e-05	-2.80e-05
4839	88	0.21	-1.17	-1.01	0.0	2.88e-05	2.04e-05

4839	98	0.27	-0.23	-0.97	0.0	6.76e-05	-1.59e-05
4839	105	0.24	-0.40	-0.92	0.0	5.65e-05	-8.18e-06
4839	107	0.25	-0.22	-0.93	0.0	6.51e-05	-1.55e-05
4839	112	12.07	0.10	-1.01	0.0	6.54e-04	-5.95e-04
4839	124	-0.14	7.31	-1.12	0.0	3.12e-05	3.13e-05
4839	129	6.86	-8.93	-0.73	0.0	4.08e-04	-3.83e-04
4839	144	13.57	0.13	-1.02	0.0	7.29e-04	-6.69e-04
4839	156	-0.20	8.25	-1.15	0.0	2.67e-05	3.77e-05
4839	161	7.73	-10.02	-0.71	0.0	4.52e-04	-4.30e-04
4839	176	13.67	0.12	-1.02	0.0	7.31e-04	-6.61e-04
4839	188	-0.25	8.16	-1.14	0.0	2.56e-05	3.96e-05
4839	193	7.93	-9.93	-0.71	0.0	4.60e-04	-4.33e-04
4839	208	16.08	0.15	-1.03	0.0	8.50e-04	-7.71e-04
4839	225	9.46	-11.56	-0.67	0.0	5.36e-04	-5.12e-04
4839	226	-8.95	11.12	-1.18	0.0	-4.06e-04	4.81e-04
4840	4	0.54	0.43	-1.73	0.0	1.13e-04	-4.89e-05
4840	44	0.31	-1.84	-1.45	0.0	7.50e-05	4.19e-05
4840	68	0.38	0.27	-1.21	0.0	8.03e-05	-3.45e-05
4840	88	0.23	-1.24	-1.03	0.0	5.50e-05	2.61e-05
4840	98	0.30	-0.26	-0.99	0.0	6.52e-05	-1.95e-05
4840	105	0.27	-0.44	-0.93	0.0	6.00e-05	-9.85e-06
4840	107	0.29	-0.25	-0.94	0.0	6.28e-05	-1.91e-05
4840	112	12.38	0.09	-1.02	0.0	5.60e-04	-6.17e-04
4840	124	-0.12	7.51	-1.14	0.0	4.28e-05	2.89e-05
4840	129	7.05	-9.22	-0.74	0.0	3.39e-04	-3.97e-04
4840	144	13.93	0.13	-1.04	0.0	6.23e-04	-6.92e-04
4840	156	-0.18	8.48	-1.17	0.0	4.00e-05	3.55e-05
4840	161	7.94	-10.35	-0.71	0.0	3.75e-04	-4.46e-04
4840	176	14.02	0.12	-1.03	0.0	6.25e-04	-6.84e-04
4840	188	-0.23	8.39	-1.16	0.0	3.87e-05	3.73e-05
4840	193	8.15	-10.25	-0.72	0.0	3.81e-04	-4.48e-04
4840	208	16.50	0.16	-1.05	0.0	7.25e-04	-7.97e-04
4840	225	9.72	-11.92	-0.68	0.0	4.43e-04	-5.30e-04
4840	226	-9.14	11.43	-1.20	0.0	-3.18e-04	4.92e-04
4841	4	0.59	0.40	-1.76	0.0	9.60e-05	-4.94e-05
4841	44	0.36	-1.93	-1.47	0.0	1.20e-04	4.11e-05
4841	68	0.42	0.25	-1.23	0.0	6.89e-05	-3.49e-05
4841	88	0.27	-1.30	-1.04	0.0	8.49e-05	2.54e-05
4841	98	0.33	-0.29	-1.00	0.0	6.35e-05	-2.01e-05
4841	105	0.30	-0.48	-0.94	0.0	6.47e-05	-1.04e-05
4841	107	0.32	-0.28	-0.95	0.0	6.12e-05	-1.96e-05
4841	112	12.65	0.09	-1.04	0.0	4.63e-04	-6.28e-04
4841	124	-0.09	7.71	-1.16	0.0	5.52e-05	3.00e-05
4841	129	7.21	-9.51	-0.74	0.0	2.69e-04	-4.05e-04
4841	144	14.22	0.13	-1.05	0.0	5.14e-04	-7.05e-04
4841	156	-0.16	8.71	-1.18	0.0	5.41e-05	3.67e-05
4841	161	8.11	-10.66	-0.72	0.0	2.96e-04	-4.55e-04
4841	176	14.32	0.12	-1.04	0.0	5.14e-04	-6.97e-04
4841	188	-0.21	8.61	-1.18	0.0	5.26e-05	3.86e-05
4841	193	8.33	-10.56	-0.72	0.0	3.01e-04	-4.57e-04
4841	208	16.84	0.17	-1.06	0.0	5.95e-04	-8.11e-04
4841	225	9.92	-12.28	-0.68	0.0	3.48e-04	-5.40e-04
4841	226	-9.28	11.73	-1.22	0.0	-2.25e-04	5.01e-04
4842	4	0.39	0.48	-1.64	0.0	1.28e-04	-1.97e-05
4842	44	0.29	-1.64	-1.40	0.0	2.80e-05	1.87e-05
4842	68	0.27	0.31	-1.15	0.0	8.98e-05	-1.38e-05
4842	88	0.21	-1.11	-0.99	0.0	2.34e-05	1.18e-05
4842	98	0.22	-0.19	-0.94	0.0	6.48e-05	-7.58e-06
4842	105	0.21	-0.37	-0.89	0.0	5.32e-05	-3.44e-06
4842	107	0.21	-0.18	-0.89	0.0	6.23e-05	-7.37e-06
4842	112	11.48	0.10	-0.92	0.0	7.03e-04	-5.62e-04
4842	124	-0.16	7.10	-0.96	0.0	2.04e-05	3.86e-05
4842	129	6.50	-8.63	-0.83	0.0	4.42e-04	-3.60e-04
4842	144	12.91	0.13	-0.93	0.0	7.85e-04	-6.32e-04
4842	156	-0.22	8.01	-0.97	0.0	1.48e-05	4.49e-05
4842	161	7.32	-9.69	-0.82	0.0	4.91e-04	-4.06e-04
4842	176	13.00	0.12	-0.93	0.0	7.87e-04	-6.24e-04
4842	188	-0.27	7.92	-0.97	0.0	1.39e-05	4.69e-05
4842	193	7.52	-9.60	-0.82	0.0	4.98e-04	-4.08e-04
4842	208	15.30	0.15	-0.93	0.0	9.16e-04	-7.29e-04
4842	220	-0.39	9.25	-0.98	0.0	4.80e-06	5.93e-05
4842	225	8.97	-11.18	-0.81	0.0	5.82e-04	-4.85e-04
4843	4	0.45	0.45	-1.67	0.0	1.20e-04	-3.29e-05
4843	44	0.31	-1.74	-1.43	0.0	4.91e-05	3.65e-05
4843	68	0.32	0.29	-1.17	0.0	8.45e-05	-2.30e-05

4843	88	0.22	-1.17	-1.01	0.0	3.74e-05	2.32e-05
4843	98	0.26	-0.23	-0.95	0.0	6.41e-05	-1.19e-05
4843	105	0.24	-0.40	-0.90	0.0	5.55e-05	-4.50e-06
4843	107	0.25	-0.22	-0.90	0.0	6.17e-05	-1.16e-05
4843	112	11.83	0.09	-0.94	0.0	6.39e-04	-5.87e-04
4843	124	-0.15	7.30	-0.98	0.0	2.90e-05	3.55e-05
4843	129	6.72	-8.93	-0.84	0.0	3.95e-04	-3.77e-04
4843	144	13.31	0.13	-0.95	0.0	7.12e-04	-6.59e-04
4843	156	-0.21	8.25	-0.99	0.0	2.46e-05	4.19e-05
4843	161	7.57	-10.02	-0.83	0.0	4.38e-04	-4.25e-04
4843	176	13.40	0.12	-0.94	0.0	7.13e-04	-6.52e-04
4843	188	-0.25	8.15	-0.99	0.0	2.36e-05	4.38e-05
4843	193	7.77	-9.93	-0.83	0.0	4.45e-04	-4.27e-04
4843	208	15.77	0.15	-0.95	0.0	8.30e-04	-7.60e-04
4843	220	-0.38	9.53	-1.00	0.0	1.62e-05	5.64e-05
4843	225	9.26	-11.56	-0.82	0.0	5.19e-04	-5.07e-04
4844	4	0.51	0.43	-1.69	0.0	1.10e-04	-3.99e-05
4844	44	0.34	-1.83	-1.45	0.0	7.98e-05	4.67e-05
4844	68	0.36	0.27	-1.18	0.0	7.78e-05	-2.80e-05
4844	88	0.24	-1.24	-1.02	0.0	5.80e-05	2.97e-05
4844	98	0.29	-0.26	-0.96	0.0	6.39e-05	-1.42e-05
4844	105	0.27	-0.44	-0.91	0.0	5.95e-05	-5.01e-06
4844	107	0.28	-0.25	-0.92	0.0	6.15e-05	-1.38e-05
4844	112	12.14	0.09	-0.95	0.0	5.52e-04	-6.04e-04
4844	124	-0.13	7.51	-0.99	0.0	4.13e-05	3.45e-05
4844	129	6.91	-9.22	-0.85	0.0	3.34e-04	-3.89e-04
4844	144	13.66	0.13	-0.96	0.0	6.15e-04	-6.79e-04
4844	156	-0.19	8.48	-1.00	0.0	3.85e-05	4.11e-05
4844	161	7.78	-10.35	-0.84	0.0	3.69e-04	-4.38e-04
4844	176	13.75	0.12	-0.96	0.0	6.16e-04	-6.70e-04
4844	188	-0.24	8.39	-1.00	0.0	3.73e-05	4.29e-05
4844	193	7.98	-10.25	-0.84	0.0	3.75e-04	-4.40e-04
4844	208	16.17	0.16	-0.96	0.0	7.15e-04	-7.82e-04
4844	220	-0.37	9.81	-1.02	0.0	3.21e-05	5.59e-05
4844	225	9.51	-11.92	-0.83	0.0	4.35e-04	-5.22e-04
4845	4	0.57	0.40	-1.71	0.0	9.96e-05	-3.98e-05
4845	44	0.39	-1.93	-1.47	0.0	1.14e-04	4.61e-05
4845	68	0.40	0.25	-1.20	0.0	7.13e-05	-2.80e-05
4845	88	0.28	-1.30	-1.03	0.0	8.10e-05	2.93e-05
4845	98	0.33	-0.29	-0.97	0.0	6.43e-05	-1.44e-05
4845	105	0.30	-0.48	-0.92	0.0	6.46e-05	-5.34e-06
4845	107	0.31	-0.28	-0.93	0.0	6.20e-05	-1.41e-05
4845	112	12.41	0.09	-0.97	0.0	4.61e-04	-6.14e-04
4845	124	-0.10	7.71	-1.01	0.0	5.45e-05	3.59e-05
4845	129	7.06	-9.51	-0.86	0.0	2.69e-04	-3.97e-04
4845	144	13.95	0.13	-0.97	0.0	5.12e-04	-6.90e-04
4845	156	-0.16	8.71	-1.02	0.0	5.33e-05	4.27e-05
4845	161	7.95	-10.66	-0.85	0.0	2.96e-04	-4.46e-04
4845	176	14.04	0.12	-0.97	0.0	5.12e-04	-6.81e-04
4845	188	-0.21	8.61	-1.02	0.0	5.20e-05	4.45e-05
4845	193	8.15	-10.56	-0.85	0.0	3.01e-04	-4.48e-04
4845	208	16.51	0.17	-0.98	0.0	5.92e-04	-7.94e-04
4845	220	-0.34	10.08	-1.03	0.0	4.91e-05	5.78e-05
4845	225	9.71	-12.28	-0.84	0.0	3.48e-04	-5.31e-04
4846	4	0.38	0.48	-1.68	0.0	1.16e-04	-1.55e-05
4846	28	0.36	-1.14	-1.68	0.0	7.51e-05	6.36e-06
4846	44	0.30	-1.64	-1.46	0.0	4.58e-05	1.72e-05
4846	68	0.27	0.31	-1.17	0.0	8.16e-05	-1.08e-05
4846	80	0.25	-0.77	-1.17	0.0	5.44e-05	3.74e-06
4846	88	0.21	-1.11	-1.03	0.0	3.49e-05	1.10e-05
4846	98	0.22	-0.19	-0.96	0.0	6.13e-05	-5.63e-06
4846	105	0.21	-0.37	-0.91	0.0	5.27e-05	-2.09e-06
4846	107	0.21	-0.19	-0.91	0.0	5.88e-05	-5.47e-06
4846	112	11.26	0.10	-0.93	0.0	6.85e-04	-5.61e-04
4846	129	6.37	-8.63	-0.95	0.0	4.26e-04	-3.60e-04
4846	133	-0.25	-8.02	-0.96	0.0	2.90e-05	4.60e-05
4846	144	12.66	0.13	-0.93	0.0	7.65e-04	-6.31e-04
4846	161	7.17	-9.69	-0.95	0.0	4.73e-04	-4.05e-04
4846	165	-0.31	-9.00	-0.96	0.0	2.48e-05	5.30e-05
4846	176	12.75	0.12	-0.93	0.0	7.67e-04	-6.23e-04
4846	193	7.36	-9.60	-0.95	0.0	4.80e-04	-4.08e-04
4846	197	-0.36	-8.84	-0.96	0.0	2.24e-05	5.59e-05
4846	208	15.00	0.15	-0.94	0.0	8.93e-04	-7.28e-04
4846	225	8.78	-11.18	-0.96	0.0	5.61e-04	-4.85e-04
4846	229	-0.50	-10.23	-0.97	0.0	1.44e-05	7.00e-05

4847	4	0.44	0.45	-1.71	0.0	1.12e-04	-2.53e-05
4847	28	0.40	-1.23	-1.71	0.0	8.48e-05	1.46e-05
4847	44	0.33	-1.74	-1.49	0.0	6.18e-05	3.37e-05
4847	68	0.31	0.29	-1.19	0.0	7.90e-05	-1.76e-05
4847	80	0.28	-0.83	-1.19	0.0	6.10e-05	8.93e-06
4847	88	0.23	-1.17	-1.05	0.0	4.57e-05	2.17e-05
4847	98	0.25	-0.23	-0.97	0.0	6.18e-05	-8.31e-06
4847	105	0.23	-0.40	-0.93	0.0	5.53e-05	-2.04e-06
4847	107	0.24	-0.22	-0.93	0.0	5.94e-05	-8.09e-06
4847	112	11.60	0.09	-0.95	0.0	6.27e-04	-5.81e-04
4847	129	6.58	-8.93	-0.96	0.0	3.85e-04	-3.74e-04
4847	133	-0.23	-8.30	-0.97	0.0	3.48e-05	4.76e-05
4847	144	13.05	0.13	-0.95	0.0	6.99e-04	-6.53e-04
4847	161	7.41	-10.02	-0.97	0.0	4.27e-04	-4.21e-04
4847	165	-0.30	-9.30	-0.98	0.0	3.13e-05	5.52e-05
4847	176	13.14	0.12	-0.95	0.0	7.00e-04	-6.45e-04
4847	193	7.60	-9.93	-0.97	0.0	4.34e-04	-4.24e-04
4847	197	-0.35	-9.13	-0.98	0.0	2.91e-05	5.83e-05
4847	208	15.46	0.15	-0.95	0.0	8.14e-04	-7.53e-04
4847	225	9.06	-11.56	-0.98	0.0	5.06e-04	-5.03e-04
4847	229	-0.49	-10.56	-0.99	0.0	2.23e-05	7.34e-05
4848	4	0.50	0.43	-1.73	0.0	1.07e-04	-3.04e-05
4848	28	0.45	-1.31	-1.73	0.0	9.86e-05	1.92e-05
4848	44	0.36	-1.83	-1.51	0.0	8.41e-05	4.27e-05
4848	68	0.35	0.27	-1.21	0.0	7.59e-05	-2.12e-05
4848	80	0.32	-0.89	-1.21	0.0	7.04e-05	1.18e-05
4848	88	0.26	-1.24	-1.06	0.0	6.07e-05	2.75e-05
4848	98	0.29	-0.26	-0.99	0.0	6.30e-05	-9.78e-06
4848	105	0.26	-0.44	-0.94	0.0	5.93e-05	-2.04e-06
4848	107	0.27	-0.25	-0.94	0.0	6.06e-05	-9.55e-06
4848	112	11.91	0.09	-0.96	0.0	5.46e-04	-5.95e-04
4848	129	6.77	-9.22	-0.98	0.0	3.29e-04	-3.85e-04
4848	133	-0.21	-8.56	-0.99	0.0	4.34e-05	4.93e-05
4848	144	13.39	0.13	-0.96	0.0	6.08e-04	-6.70e-04
4848	161	7.62	-10.35	-0.98	0.0	3.64e-04	-4.33e-04
4848	165	-0.28	-9.59	-0.99	0.0	4.09e-05	5.73e-05
4848	176	13.48	0.12	-0.96	0.0	6.08e-04	-6.61e-04
4848	193	7.81	-10.25	-0.98	0.0	3.69e-04	-4.36e-04
4848	197	-0.33	-9.42	-0.99	0.0	3.89e-05	6.04e-05
4848	208	15.86	0.16	-0.97	0.0	7.06e-04	-7.71e-04
4848	225	9.30	-11.92	-0.99	0.0	4.29e-04	-5.17e-04
4848	229	-0.47	-10.89	-1.00	0.0	3.38e-05	7.63e-05
4849	4	0.55	0.40	-1.75	0.0	1.02e-04	-3.04e-05
4849	28	0.50	-1.39	-1.75	0.0	1.14e-04	1.87e-05
4849	44	0.41	-1.93	-1.53	0.0	1.09e-04	4.20e-05
4849	68	0.39	0.25	-1.22	0.0	7.30e-05	-2.13e-05
4849	80	0.36	-0.94	-1.22	0.0	8.09e-05	1.14e-05
4849	88	0.30	-1.30	-1.07	0.0	7.72e-05	2.69e-05
4849	98	0.32	-0.29	-1.00	0.0	6.47e-05	-1.01e-05
4849	105	0.30	-0.48	-0.95	0.0	6.40e-05	-2.45e-06
4849	107	0.31	-0.28	-0.95	0.0	6.23e-05	-9.88e-06
4849	112	12.17	0.09	-0.97	0.0	4.59e-04	-6.06e-04
4849	129	6.92	-9.51	-0.99	0.0	2.70e-04	-3.92e-04
4849	133	-0.19	-8.82	-1.00	0.0	5.30e-05	5.06e-05
4849	144	13.68	0.13	-0.97	0.0	5.09e-04	-6.81e-04
4849	161	7.79	-10.66	-0.99	0.0	2.96e-04	-4.41e-04
4849	165	-0.26	-9.88	-1.00	0.0	5.15e-05	5.89e-05
4849	176	13.77	0.12	-0.97	0.0	5.09e-04	-6.72e-04
4849	193	7.98	-10.56	-0.99	0.0	3.01e-04	-4.43e-04
4849	197	-0.31	-9.70	-1.00	0.0	4.99e-05	6.20e-05
4849	208	16.19	0.17	-0.98	0.0	5.88e-04	-7.84e-04
4849	225	9.50	-12.28	-1.00	0.0	3.47e-04	-5.26e-04
4849	229	-0.45	-11.21	-1.01	0.0	4.66e-05	7.82e-05
4850	28	0.36	-1.14	-1.82	0.0	8.28e-05	5.71e-06
4850	44	0.31	-1.64	-1.59	0.0	6.06e-05	1.45e-05
4850	52	0.37	-0.33	-1.81	0.0	9.99e-05	-6.51e-06
4850	80	0.25	-0.78	-1.27	0.0	5.93e-05	3.50e-06
4850	88	0.22	-1.11	-1.11	0.0	4.45e-05	9.34e-06
4850	92	0.26	-0.23	-1.26	0.0	7.07e-05	-4.65e-06
4850	98	0.22	-0.20	-1.03	0.0	5.94e-05	-3.93e-06
4850	105	0.21	-0.37	-0.98	0.0	5.32e-05	-1.08e-06
4850	107	0.21	-0.19	-0.98	0.0	5.70e-05	-3.80e-06
4850	112	11.04	0.10	-1.00	0.0	6.80e-04	-5.62e-04
4850	129	6.24	-8.63	-1.11	0.0	4.18e-04	-3.61e-04
4850	133	-0.25	-8.03	-1.12	0.0	2.51e-05	4.70e-05

4850	144	12.42	0.13	-1.00	0.0	7.59e-04	-6.33e-04
4850	161	7.03	-9.69	-1.13	0.0	4.65e-04	-4.07e-04
4850	165	-0.32	-9.00	-1.14	0.0	2.08e-05	5.40e-05
4850	176	12.50	0.11	-1.00	0.0	7.60e-04	-6.25e-04
4850	193	7.21	-9.61	-1.13	0.0	4.72e-04	-4.10e-04
4850	197	-0.36	-8.84	-1.13	0.0	1.87e-05	5.68e-05
4850	208	14.71	0.15	-1.00	0.0	8.85e-04	-7.31e-04
4850	225	8.59	-11.18	-1.15	0.0	5.51e-04	-4.88e-04
4850	229	-0.50	-10.23	-1.16	0.0	1.07e-05	7.08e-05
4851	4	0.43	0.45	-1.83	0.0	1.06e-04	-1.81e-05
4851	28	0.41	-1.23	-1.85	0.0	9.04e-05	1.29e-05
4851	44	0.34	-1.74	-1.62	0.0	7.23e-05	2.79e-05
4851	68	0.30	0.29	-1.28	0.0	7.52e-05	-1.25e-05
4851	80	0.29	-0.83	-1.29	0.0	6.45e-05	8.16e-06
4851	88	0.24	-1.17	-1.14	0.0	5.25e-05	1.82e-05
4851	98	0.25	-0.23	-1.05	0.0	6.05e-05	-5.27e-06
4851	105	0.23	-0.40	-1.00	0.0	5.56e-05	0.0
4851	107	0.24	-0.22	-1.00	0.0	5.81e-05	-5.10e-06
4851	112	11.38	0.09	-1.02	0.0	6.20e-04	-5.78e-04
4851	129	6.45	-8.93	-1.13	0.0	3.78e-04	-3.73e-04
4851	133	-0.24	-8.30	-1.14	0.0	3.20e-05	4.97e-05
4851	144	12.80	0.13	-1.02	0.0	6.92e-04	-6.50e-04
4851	161	7.26	-10.02	-1.15	0.0	4.20e-04	-4.20e-04
4851	165	-0.31	-9.30	-1.16	0.0	2.84e-05	5.72e-05
4851	176	12.88	0.11	-1.02	0.0	6.92e-04	-6.42e-04
4851	193	7.44	-9.93	-1.15	0.0	4.26e-04	-4.23e-04
4851	197	-0.35	-9.13	-1.16	0.0	2.65e-05	6.01e-05
4851	208	15.15	0.15	-1.03	0.0	8.05e-04	-7.50e-04
4851	225	8.86	-11.56	-1.17	0.0	4.96e-04	-5.03e-04
4851	229	-0.49	-10.56	-1.18	0.0	1.97e-05	7.50e-05
4852	4	0.48	0.43	-1.85	0.0	1.05e-04	-2.17e-05
4852	28	0.46	-1.31	-1.88	0.0	1.00e-04	1.67e-05
4852	44	0.38	-1.83	-1.64	0.0	8.73e-05	3.49e-05
4852	68	0.34	0.27	-1.29	0.0	7.45e-05	-1.50e-05
4852	80	0.32	-0.89	-1.31	0.0	7.14e-05	1.06e-05
4852	88	0.27	-1.24	-1.15	0.0	6.27e-05	2.27e-05
4852	98	0.28	-0.26	-1.06	0.0	6.23e-05	-6.14e-06
4852	105	0.26	-0.44	-1.01	0.0	5.92e-05	0.0
4852	107	0.27	-0.25	-1.01	0.0	5.99e-05	-5.96e-06
4852	112	11.69	0.09	-1.03	0.0	5.41e-04	-5.90e-04
4852	129	6.63	-9.22	-1.14	0.0	3.26e-04	-3.82e-04
4852	133	-0.22	-8.56	-1.15	0.0	4.17e-05	5.18e-05
4852	144	13.14	0.13	-1.03	0.0	6.02e-04	-6.64e-04
4852	161	7.46	-10.35	-1.16	0.0	3.60e-04	-4.31e-04
4852	165	-0.29	-9.59	-1.17	0.0	3.91e-05	5.97e-05
4852	176	13.22	0.12	-1.03	0.0	6.03e-04	-6.55e-04
4852	193	7.65	-10.25	-1.16	0.0	3.65e-04	-4.33e-04
4852	197	-0.34	-9.42	-1.17	0.0	3.74e-05	6.26e-05
4852	208	15.55	0.16	-1.04	0.0	6.99e-04	-7.65e-04
4852	225	9.10	-11.92	-1.19	0.0	4.23e-04	-5.14e-04
4852	229	-0.48	-10.89	-1.20	0.0	3.23e-05	7.82e-05
4853	4	0.54	0.40	-1.87	0.0	1.04e-04	-2.19e-05
4853	28	0.51	-1.39	-1.89	0.0	1.11e-04	1.59e-05
4853	44	0.43	-1.93	-1.66	0.0	1.03e-04	3.39e-05
4853	68	0.38	0.25	-1.31	0.0	7.40e-05	-1.52e-05
4853	80	0.36	-0.94	-1.32	0.0	7.88e-05	9.96e-06
4853	88	0.31	-1.30	-1.17	0.0	7.37e-05	2.19e-05
4853	98	0.32	-0.29	-1.07	0.0	6.45e-05	-6.61e-06
4853	105	0.30	-0.48	-1.02	0.0	6.31e-05	0.0
4853	107	0.30	-0.28	-1.02	0.0	6.20e-05	-6.46e-06
4853	112	11.94	0.09	-1.04	0.0	4.55e-04	-6.01e-04
4853	129	6.78	-9.50	-1.15	0.0	2.69e-04	-3.90e-04
4853	133	-0.19	-8.82	-1.16	0.0	5.22e-05	5.30e-05
4853	144	13.43	0.13	-1.04	0.0	5.05e-04	-6.76e-04
4853	161	7.63	-10.66	-1.17	0.0	2.96e-04	-4.39e-04
4853	165	-0.27	-9.88	-1.18	0.0	5.07e-05	6.11e-05
4853	176	13.51	0.12	-1.04	0.0	5.05e-04	-6.67e-04
4853	193	7.82	-10.56	-1.17	0.0	2.99e-04	-4.41e-04
4853	197	-0.31	-9.70	-1.18	0.0	4.92e-05	6.41e-05
4853	208	15.88	0.17	-1.05	0.0	5.83e-04	-7.78e-04
4853	225	9.30	-12.28	-1.20	0.0	3.45e-04	-5.24e-04
4853	229	-0.45	-11.21	-1.21	0.0	4.59e-05	8.00e-05
4854	4	0.66	0.37	-1.91	0.0	7.07e-05	-4.93e-05
4854	44	0.42	-2.02	-1.57	0.0	1.73e-04	1.27e-05
4854	68	0.46	0.23	-1.34	0.0	5.16e-05	-3.52e-05

4854	88	0.31	-1.37	-1.11	0.0	1.20e-04	6.12e-06
4854	98	0.37	-0.32	-1.08	0.0	5.88e-05	-2.43e-05
4854	105	0.34	-0.51	-1.02	0.0	6.81e-05	-1.75e-05
4854	107	0.36	-0.31	-1.03	0.0	5.67e-05	-2.37e-05
4854	112	13.10	0.08	-1.20	0.0	3.74e-04	-6.53e-04
4854	129	7.48	-9.78	-0.65	0.0	2.06e-04	-4.22e-04
4854	130	-6.76	9.16	-1.42	0.0	-9.31e-05	3.74e-04
4854	144	14.73	0.13	-1.22	0.0	4.14e-04	-7.33e-04
4854	161	8.41	-10.96	-0.60	0.0	2.26e-04	-4.73e-04
4854	162	-7.69	10.35	-1.46	0.0	-1.13e-04	4.26e-04
4854	176	14.83	0.12	-1.21	0.0	4.15e-04	-7.24e-04
4854	193	8.64	-10.86	-0.61	0.0	2.30e-04	-4.75e-04
4854	194	-7.92	10.24	-1.46	0.0	-1.17e-04	4.28e-04
4854	208	17.44	0.17	-1.24	0.0	4.78e-04	-8.43e-04
4854	225	10.28	-12.62	-0.54	0.0	2.65e-04	-5.62e-04
4854	226	-9.57	12.01	-1.53	0.0	-1.52e-04	5.14e-04
4855	4	0.69	0.33	-1.93	0.0	5.56e-05	-3.23e-05
4855	44	0.52	-2.11	-1.59	0.0	2.06e-04	3.13e-06
4855	68	0.49	0.20	-1.36	0.0	4.13e-05	-2.33e-05
4855	88	0.37	-1.43	-1.13	0.0	1.41e-04	0.0
4855	98	0.40	-0.36	-1.10	0.0	5.62e-05	-1.72e-05
4855	105	0.38	-0.55	-1.04	0.0	7.05e-05	-1.32e-05
4855	107	0.39	-0.34	-1.05	0.0	5.42e-05	-1.68e-05
4855	112	13.26	0.07	-1.21	0.0	3.08e-04	-6.40e-04
4855	129	7.56	-10.04	-0.66	0.0	1.66e-04	-4.14e-04
4855	130	-6.79	9.36	-1.43	0.0	-5.77e-05	3.80e-04
4855	144	14.90	0.12	-1.23	0.0	3.41e-04	-7.19e-04
4855	161	8.50	-11.26	-0.61	0.0	1.81e-04	-4.65e-04
4855	162	-7.73	10.57	-1.48	0.0	-7.23e-05	4.32e-04
4855	176	15.01	0.11	-1.23	0.0	3.40e-04	-7.09e-04
4855	193	8.73	-11.15	-0.62	0.0	1.84e-04	-4.67e-04
4855	194	-7.96	10.47	-1.47	0.0	-7.54e-05	4.34e-04
4855	208	17.64	0.17	-1.25	0.0	3.91e-04	-8.26e-04
4855	225	10.39	-12.96	-0.55	0.0	2.10e-04	-5.53e-04
4855	226	-9.62	12.27	-1.55	0.0	-1.01e-04	5.20e-04
4856	4	0.71	0.28	-1.98	-2.92e-04	3.17e-05	-7.55e-06
4856	44	0.63	-2.21	-1.63	-1.62e-04	1.30e-04	-8.18e-06
4856	52	0.72	-0.68	-1.93	-2.51e-04	5.57e-05	-8.52e-06
4856	68	0.50	0.16	-1.39	-2.09e-04	2.36e-05	-5.85e-06
4856	88	0.45	-1.50	-1.16	-1.22e-04	8.91e-05	-6.27e-06
4856	92	0.51	-0.48	-1.36	-1.81e-04	3.96e-05	-6.50e-06
4856	98	0.43	-0.40	-1.12	-1.65e-04	3.35e-05	-6.40e-06
4856	105	0.41	-0.60	-1.06	-1.51e-04	4.29e-05	-6.34e-06
4856	107	0.41	-0.38	-1.07	-1.60e-04	3.22e-05	-6.38e-06
4856	112	13.40	0.05	-1.24	-1.97e-04	1.89e-04	-6.15e-04
4856	129	7.62	-10.31	-0.68	2.62e-04	9.80e-05	-3.99e-04
4856	130	-6.80	9.54	-1.46	-5.83e-04	-3.35e-05	3.86e-04
4856	144	15.05	0.10	-1.26	-2.02e-04	2.09e-04	-6.92e-04
4856	161	8.57	-11.55	-0.63	3.15e-04	1.07e-04	-4.49e-04
4856	162	-7.74	10.79	-1.51	-6.35e-04	-4.21e-05	4.37e-04
4856	176	15.16	0.09	-1.25	-2.03e-04	2.08e-04	-6.82e-04
4856	193	8.80	-11.44	-0.64	3.09e-04	1.08e-04	-4.51e-04
4856	194	-7.97	10.68	-1.50	-6.29e-04	-4.32e-05	4.38e-04
4856	208	17.81	0.16	-1.28	-2.10e-04	2.39e-04	-7.95e-04
4856	225	10.47	-13.29	-0.57	3.87e-04	1.23e-04	-5.35e-04
4856	226	-9.64	12.53	-1.57	-7.07e-04	-5.81e-05	5.23e-04
4857	4	0.64	0.37	-1.78	0.0	8.24e-05	-4.17e-05
4857	44	0.44	-2.02	-1.49	0.0	1.59e-04	3.09e-05
4857	68	0.45	0.23	-1.24	0.0	5.97e-05	-2.96e-05
4857	88	0.32	-1.37	-1.05	0.0	1.11e-04	1.88e-05
4857	98	0.36	-0.32	-1.01	0.0	6.27e-05	-1.78e-05
4857	105	0.34	-0.51	-0.95	0.0	6.93e-05	-1.00e-05
4857	107	0.35	-0.31	-0.96	0.0	6.04e-05	-1.74e-05
4857	112	12.85	0.08	-1.05	0.0	3.80e-04	-6.31e-04
4857	124	-0.06	7.90	-1.17	0.0	6.40e-05	3.42e-05
4857	129	7.32	-9.77	-0.75	0.0	2.12e-04	-4.08e-04
4857	144	14.44	0.13	-1.06	0.0	4.21e-04	-7.09e-04
4857	156	-0.12	8.92	-1.20	0.0	6.42e-05	4.13e-05
4857	161	8.24	-10.96	-0.73	0.0	2.32e-04	-4.58e-04
4857	176	14.55	0.12	-1.06	0.0	4.21e-04	-7.00e-04
4857	188	-0.18	8.82	-1.19	0.0	6.25e-05	4.32e-05
4857	193	8.46	-10.86	-0.73	0.0	2.36e-04	-4.60e-04
4857	208	17.10	0.17	-1.07	0.0	4.85e-04	-8.15e-04
4857	225	10.07	-12.62	-0.69	0.0	2.71e-04	-5.44e-04
4857	226	-9.37	12.01	-1.23	0.0	-1.50e-04	5.09e-04

4858	4	0.67	0.33	-1.80	0.0	7.30e-05	-2.76e-05
4858	44	0.53	-2.11	-1.51	0.0	1.87e-04	1.38e-05
4858	68	0.48	0.20	-1.26	0.0	5.35e-05	-1.98e-05
4858	88	0.38	-1.43	-1.07	0.0	1.30e-04	7.81e-06
4858	98	0.40	-0.36	-1.02	0.0	6.23e-05	-1.32e-05
4858	105	0.37	-0.55	-0.97	0.0	7.27e-05	-8.75e-06
4858	107	0.38	-0.34	-0.97	0.0	6.01e-05	-1.30e-05
4858	112	13.02	0.07	-1.06	0.0	3.21e-04	-6.26e-04
4858	124	-0.03	8.07	-1.19	0.0	6.73e-05	4.14e-05
4858	129	7.41	-10.04	-0.76	0.0	1.75e-04	-4.05e-04
4858	144	14.63	0.12	-1.07	0.0	3.55e-04	-7.04e-04
4858	156	-0.09	9.12	-1.21	0.0	6.80e-05	4.88e-05
4858	161	8.33	-11.26	-0.74	0.0	1.90e-04	-4.56e-04
4858	176	14.73	0.11	-1.07	0.0	3.54e-04	-6.94e-04
4858	188	-0.14	9.02	-1.21	0.0	6.64e-05	5.09e-05
4858	193	8.56	-11.15	-0.74	0.0	1.93e-04	-4.58e-04
4858	208	17.31	0.17	-1.09	0.0	4.06e-04	-8.09e-04
4858	225	10.18	-12.96	-0.70	0.0	2.19e-04	-5.42e-04
4858	226	-9.42	12.27	-1.25	0.0	-9.92e-05	5.16e-04
4859	4	0.71	0.28	-1.84	-1.89e-04	3.17e-05	-7.95e-06
4859	44	0.63	-2.21	-1.56	-8.27e-05	1.30e-04	-8.57e-06
4859	52	0.71	-0.68	-1.82	-1.52e-04	5.57e-05	-8.93e-06
4859	68	0.50	0.16	-1.29	-1.36e-04	2.36e-05	-6.16e-06
4859	88	0.45	-1.50	-1.10	-6.52e-05	8.91e-05	-6.57e-06
4859	92	0.51	-0.48	-1.27	-1.12e-04	3.96e-05	-6.81e-06
4859	98	0.43	-0.40	-1.04	-1.05e-04	3.35e-05	-6.69e-06
4859	105	0.41	-0.60	-0.99	-9.47e-05	4.29e-05	-6.64e-06
4859	107	0.41	-0.38	-1.00	-1.03e-04	3.22e-05	-6.67e-06
4859	112	13.16	0.05	-1.09	-1.30e-04	1.89e-04	-6.16e-04
4859	124	0.01	8.23	-1.21	-4.18e-04	3.74e-05	5.09e-05
4859	129	7.48	-10.31	-0.78	2.53e-04	9.80e-05	-3.99e-04
4859	144	14.78	0.10	-1.10	-1.34e-04	2.09e-04	-6.93e-04
4859	156	-0.05	9.31	-1.24	-4.57e-04	3.80e-05	5.87e-05
4859	161	8.41	-11.55	-0.76	2.97e-04	1.07e-04	-4.50e-04
4859	176	14.88	0.09	-1.09	-1.34e-04	2.08e-04	-6.82e-04
4859	188	-0.10	9.20	-1.23	-4.53e-04	3.73e-05	6.10e-05
4859	193	8.63	-11.45	-0.76	2.92e-04	1.08e-04	-4.52e-04
4859	208	17.49	0.15	-1.11	-1.39e-04	2.39e-04	-7.96e-04
4859	225	10.27	-13.29	-0.72	3.58e-04	1.23e-04	-5.36e-04
4859	226	-9.45	12.52	-1.27	-5.63e-04	-5.81e-05	5.23e-04
4860	4	0.62	0.37	-1.73	0.0	9.18e-05	-3.36e-05
4860	44	0.46	-2.02	-1.48	0.0	1.44e-04	3.52e-05
4860	68	0.44	0.23	-1.21	0.0	6.63e-05	-2.38e-05
4860	88	0.33	-1.37	-1.05	0.0	1.01e-04	2.21e-05
4860	98	0.36	-0.32	-0.98	0.0	6.51e-05	-1.30e-05
4860	105	0.33	-0.51	-0.93	0.0	6.92e-05	-5.74e-06
4860	107	0.34	-0.31	-0.94	0.0	6.28e-05	-1.28e-05
4860	112	12.61	0.08	-0.98	0.0	3.84e-04	-6.19e-04
4860	124	-0.07	7.90	-1.02	0.0	6.48e-05	3.92e-05
4860	129	7.18	-9.77	-0.87	0.0	2.16e-04	-4.00e-04
4860	144	14.17	0.13	-0.98	0.0	4.24e-04	-6.95e-04
4860	156	-0.13	8.92	-1.03	0.0	6.48e-05	4.62e-05
4860	161	8.07	-10.96	-0.86	0.0	2.36e-04	-4.50e-04
4860	176	14.27	0.12	-0.98	0.0	4.24e-04	-6.86e-04
4860	188	-0.18	8.82	-1.03	0.0	6.34e-05	4.82e-05
4860	193	8.28	-10.86	-0.86	0.0	2.40e-04	-4.52e-04
4860	208	16.77	0.17	-0.99	0.0	4.88e-04	-8.00e-04
4860	220	-0.31	10.33	-1.04	0.0	6.23e-05	6.19e-05
4860	225	9.86	-12.62	-0.84	0.0	2.75e-04	-5.35e-04
4861	4	0.66	0.33	-1.75	0.0	8.68e-05	-2.28e-05
4861	44	0.54	-2.11	-1.51	0.0	1.65e-04	1.64e-05
4861	68	0.47	0.20	-1.23	0.0	6.30e-05	-1.64e-05
4861	88	0.38	-1.43	-1.06	0.0	1.15e-04	9.74e-06
4861	98	0.39	-0.36	-1.00	0.0	6.59e-05	-1.04e-05
4861	105	0.37	-0.55	-0.95	0.0	7.27e-05	-6.24e-06
4861	107	0.37	-0.34	-0.95	0.0	6.36e-05	-1.03e-05
4861	112	12.78	0.07	-0.99	0.0	3.28e-04	-6.20e-04
4861	124	-0.03	8.07	-1.03	0.0	7.04e-05	4.42e-05
4861	129	7.27	-10.04	-0.88	0.0	1.81e-04	-4.01e-04
4861	144	14.36	0.12	-1.00	0.0	3.61e-04	-6.97e-04
4861	156	-0.10	9.12	-1.04	0.0	7.11e-05	5.16e-05
4861	161	8.17	-11.26	-0.87	0.0	1.96e-04	-4.51e-04
4861	176	14.45	0.11	-0.99	0.0	3.61e-04	-6.87e-04
4861	188	-0.15	9.02	-1.04	0.0	6.97e-05	5.37e-05
4861	193	8.39	-11.15	-0.87	0.0	1.99e-04	-4.53e-04

4861	208	16.99	0.17	-1.00	0.0	4.13e-04	-8.01e-04
4861	220	-0.28	10.56	-1.06	0.0	6.96e-05	6.81e-05
4861	225	9.97	-12.96	-0.86	0.0	2.25e-04	-5.37e-04
4862	4	0.70	0.28	-1.80	-8.84e-05	3.17e-05	-7.95e-06
4862	44	0.63	-2.21	-1.55	-4.25e-06	1.30e-04	-8.58e-06
4862	52	0.71	-0.69	-1.79	-5.61e-05	5.57e-05	-8.94e-06
4862	68	0.50	0.16	-1.26	-6.51e-05	2.36e-05	-6.15e-06
4862	88	0.45	-1.50	-1.09	-8.98e-06	8.91e-05	-6.57e-06
4862	92	0.50	-0.48	-1.25	-4.36e-05	3.96e-05	-6.81e-06
4862	98	0.42	-0.40	-1.02	-4.68e-05	3.35e-05	-6.67e-06
4862	105	0.41	-0.60	-0.97	-4.00e-05	4.29e-05	-6.61e-06
4862	107	0.41	-0.39	-0.97	-4.70e-05	3.22e-05	-6.65e-06
4862	112	12.92	0.05	-1.01	-6.66e-05	1.89e-04	-6.16e-04
4862	124	5.36e-03	8.23	-1.06	-3.14e-04	3.74e-05	5.10e-05
4862	129	7.35	-10.31	-0.90	2.57e-04	9.80e-05	-4.00e-04
4862	144	14.52	0.10	-1.02	-6.89e-05	2.09e-04	-6.93e-04
4862	156	-0.06	9.31	-1.07	-3.47e-04	3.80e-05	5.87e-05
4862	161	8.25	-11.55	-0.89	2.95e-04	1.07e-04	-4.50e-04
4862	176	14.61	0.09	-1.02	-6.85e-05	2.08e-04	-6.83e-04
4862	188	-0.11	9.20	-1.06	-3.44e-04	3.73e-05	6.10e-05
4862	193	8.47	-11.45	-0.89	2.91e-04	1.08e-04	-4.52e-04
4862	208	17.17	0.15	-1.02	-7.17e-05	2.39e-04	-7.96e-04
4862	220	-0.24	10.78	-1.08	-3.93e-04	3.75e-05	7.61e-05
4862	225	10.07	-13.29	-0.88	3.47e-04	1.23e-04	-5.36e-04
4863	4	0.60	0.37	-1.76	0.0	9.87e-05	-2.61e-05
4863	28	0.56	-1.47	-1.77	0.0	1.27e-04	1.31e-05
4863	44	0.47	-2.02	-1.54	0.0	1.29e-04	3.18e-05
4863	68	0.43	0.23	-1.23	0.0	7.09e-05	-1.84e-05
4863	80	0.40	-1.00	-1.23	0.0	9.01e-05	7.72e-06
4863	88	0.34	-1.36	-1.09	0.0	9.14e-05	2.01e-05
4863	98	0.35	-0.32	-1.01	0.0	6.63e-05	-9.58e-06
4863	105	0.33	-0.51	-0.96	0.0	6.82e-05	-3.45e-06
4863	107	0.34	-0.31	-0.96	0.0	6.39e-05	-9.41e-06
4863	112	12.37	0.09	-0.98	0.0	3.83e-04	-6.12e-04
4863	129	7.04	-9.77	-1.00	0.0	2.19e-04	-3.96e-04
4863	133	-0.16	-9.06	-1.01	0.0	6.13e-05	5.13e-05
4863	144	13.91	0.13	-0.98	0.0	4.24e-04	-6.89e-04
4863	161	7.91	-10.96	-1.00	0.0	2.40e-04	-4.46e-04
4863	165	-0.23	-10.15	-1.01	0.0	6.08e-05	5.96e-05
4863	176	14.00	0.12	-0.98	0.0	4.24e-04	-6.79e-04
4863	193	8.12	-10.86	-1.00	0.0	2.43e-04	-4.48e-04
4863	197	-0.28	-9.97	-1.01	0.0	5.94e-05	6.27e-05
4863	208	16.45	0.17	-0.99	0.0	4.87e-04	-7.92e-04
4863	225	9.65	-12.62	-1.01	0.0	2.78e-04	-5.32e-04
4863	229	-0.43	-11.52	-1.02	0.0	5.77e-05	7.89e-05
4864	4	0.65	0.33	-1.79	0.0	9.66e-05	-1.86e-05
4864	28	0.63	-1.55	-1.79	0.0	1.37e-04	3.47e-06
4864	44	0.54	-2.11	-1.57	0.0	1.44e-04	1.42e-05
4864	68	0.46	0.20	-1.25	0.0	6.97e-05	-1.34e-05
4864	80	0.45	-1.06	-1.25	0.0	9.67e-05	1.33e-06
4864	88	0.39	-1.43	-1.10	0.0	1.02e-04	8.52e-06
4864	98	0.39	-0.36	-1.02	0.0	6.77e-05	-8.57e-06
4864	105	0.37	-0.55	-0.97	0.0	7.13e-05	-5.03e-06
4864	107	0.37	-0.34	-0.97	0.0	6.53e-05	-8.46e-06
4864	112	12.54	0.07	-0.99	0.0	3.30e-04	-6.17e-04
4864	129	7.13	-10.04	-1.01	0.0	1.85e-04	-4.00e-04
4864	133	-0.12	-9.31	-1.02	0.0	6.73e-05	5.14e-05
4864	144	14.09	0.12	-1.00	0.0	3.64e-04	-6.94e-04
4864	161	8.02	-11.26	-1.01	0.0	2.01e-04	-4.50e-04
4864	165	-0.20	-10.42	-1.03	0.0	6.74e-05	5.96e-05
4864	176	14.19	0.11	-1.00	0.0	3.63e-04	-6.84e-04
4864	193	8.22	-11.15	-1.01	0.0	2.03e-04	-4.52e-04
4864	197	-0.25	-10.23	-1.02	0.0	6.62e-05	6.25e-05
4864	208	16.67	0.17	-1.00	0.0	4.15e-04	-7.98e-04
4864	225	9.77	-12.96	-1.02	0.0	2.30e-04	-5.37e-04
4864	229	-0.40	-11.82	-1.03	0.0	6.55e-05	7.85e-05
4865	28	0.70	-1.65	-1.83	4.34e-05	1.04e-04	-9.41e-06
4865	44	0.62	-2.21	-1.61	5.35e-05	1.30e-04	-9.08e-06
4865	52	0.71	-0.69	-1.83	1.42e-05	5.57e-05	-9.64e-06
4865	80	0.50	-1.13	-1.28	2.55e-05	7.15e-05	-7.16e-06
4865	88	0.44	-1.50	-1.13	3.23e-05	8.91e-05	-6.94e-06
4865	92	0.50	-0.49	-1.28	6.05e-06	3.96e-05	-7.31e-06
4865	98	0.42	-0.40	-1.04	-4.59e-06	3.35e-05	-7.13e-06
4865	105	0.40	-0.60	-0.99	0.0	4.29e-05	-7.04e-06
4865	107	0.40	-0.39	-0.99	-6.67e-06	3.22e-05	-7.09e-06

4865	112	12.69	0.05	-1.01	-2.08e-05	1.89e-04	-6.22e-04
4865	129	7.21	-10.31	-1.03	2.68e-04	9.80e-05	-4.03e-04
4865	133	-0.09	-9.56	-1.04	2.52e-04	3.16e-05	5.13e-05
4865	144	14.25	0.10	-1.02	-2.24e-05	2.09e-04	-7.00e-04
4865	161	8.10	-11.56	-1.03	3.02e-04	1.07e-04	-4.54e-04
4865	165	-0.16	-10.70	-1.05	2.84e-04	3.15e-05	5.93e-05
4865	176	14.35	0.09	-1.02	-2.18e-05	2.08e-04	-6.89e-04
4865	193	8.31	-11.45	-1.03	2.99e-04	1.08e-04	-4.56e-04
4865	197	-0.21	-10.51	-1.05	2.78e-04	3.12e-05	6.21e-05
4865	208	16.85	0.15	-1.02	-2.37e-05	2.39e-04	-8.04e-04
4865	225	9.87	-13.29	-1.04	3.50e-04	1.23e-04	-5.41e-04
4865	229	-0.36	-12.13	-1.05	3.24e-04	3.08e-05	7.78e-05
4866	4	0.59	0.37	-1.88	0.0	1.03e-04	-1.93e-05
4866	28	0.57	-1.47	-1.91	0.0	1.20e-04	1.07e-05
4866	44	0.49	-2.01	-1.67	0.0	1.17e-04	2.50e-05
4866	68	0.42	0.23	-1.31	0.0	7.37e-05	-1.36e-05
4866	80	0.40	-1.00	-1.33	0.0	8.52e-05	6.38e-06
4866	88	0.35	-1.36	-1.17	0.0	8.30e-05	1.60e-05
4866	98	0.35	-0.32	-1.08	0.0	6.64e-05	-6.90e-06
4866	105	0.33	-0.51	-1.03	0.0	6.65e-05	-2.16e-06
4866	107	0.33	-0.31	-1.02	0.0	6.40e-05	-6.77e-06
4866	112	12.14	0.09	-1.04	0.0	3.80e-04	-6.09e-04
4866	129	6.90	-9.77	-1.16	0.0	2.20e-04	-3.95e-04
4866	133	-0.16	-9.06	-1.17	0.0	6.12e-05	5.31e-05
4866	144	13.65	0.13	-1.05	0.0	4.20e-04	-6.86e-04
4866	161	7.76	-10.96	-1.18	0.0	2.41e-04	-4.45e-04
4866	165	-0.24	-10.15	-1.19	0.0	6.06e-05	6.12e-05
4866	176	13.74	0.12	-1.05	0.0	4.19e-04	-6.76e-04
4866	193	7.95	-10.86	-1.18	0.0	2.43e-04	-4.47e-04
4866	197	-0.28	-9.97	-1.19	0.0	5.93e-05	6.42e-05
4866	208	16.14	0.17	-1.05	0.0	4.82e-04	-7.89e-04
4866	225	9.45	-12.62	-1.21	0.0	2.78e-04	-5.31e-04
4866	229	-0.43	-11.51	-1.22	0.0	5.75e-05	8.02e-05
4867	28	0.63	-1.55	-1.92	0.0	1.27e-04	1.77e-06
4867	44	0.55	-2.11	-1.69	0.0	1.26e-04	1.01e-05
4867	52	0.64	-0.61	-1.91	0.0	1.11e-04	-1.02e-05
4867	80	0.45	-1.06	-1.34	0.0	8.97e-05	0.0
4867	88	0.39	-1.43	-1.18	0.0	8.96e-05	5.95e-06
4867	92	0.46	-0.43	-1.33	0.0	7.91e-05	-7.59e-06
4867	98	0.38	-0.36	-1.08	0.0	6.79e-05	-7.21e-06
4867	105	0.36	-0.55	-1.03	0.0	6.90e-05	-4.46e-06
4867	107	0.37	-0.34	-1.03	0.0	6.55e-05	-7.11e-06
4867	112	12.31	0.07	-1.05	0.0	3.24e-04	-6.18e-04
4867	129	6.99	-10.04	-1.17	0.0	1.85e-04	-4.00e-04
4867	133	-0.13	-9.30	-1.18	0.0	6.75e-05	5.21e-05
4867	144	13.83	0.12	-1.05	0.0	3.57e-04	-6.95e-04
4867	161	7.86	-11.26	-1.19	0.0	2.01e-04	-4.51e-04
4867	165	-0.20	-10.42	-1.20	0.0	6.76e-05	6.02e-05
4867	176	13.92	0.11	-1.05	0.0	3.56e-04	-6.85e-04
4867	193	8.06	-11.15	-1.19	0.0	2.03e-04	-4.53e-04
4867	197	-0.25	-10.23	-1.20	0.0	6.65e-05	6.31e-05
4867	208	16.35	0.17	-1.06	0.0	4.07e-04	-7.99e-04
4867	225	9.57	-12.96	-1.21	0.0	2.29e-04	-5.38e-04
4867	229	-0.40	-11.82	-1.22	0.0	6.58e-05	7.90e-05
4868	28	0.70	-1.65	-1.94	6.50e-05	1.04e-04	-9.86e-06
4868	44	0.62	-2.22	-1.71	7.13e-05	1.30e-04	-9.42e-06
4868	52	0.70	-0.69	-1.92	3.65e-05	5.57e-05	-1.02e-05
4868	80	0.49	-1.13	-1.35	4.07e-05	7.15e-05	-7.49e-06
4868	88	0.44	-1.50	-1.20	4.49e-05	8.91e-05	-7.20e-06
4868	92	0.50	-0.49	-1.34	2.17e-05	3.96e-05	-7.70e-06
4868	98	0.42	-0.41	-1.09	9.13e-06	3.35e-05	-7.50e-06
4868	105	0.40	-0.60	-1.04	1.26e-05	4.29e-05	-7.38e-06
4868	107	0.40	-0.39	-1.04	6.32e-06	3.22e-05	-7.45e-06
4868	112	12.45	0.05	-1.06	-5.85e-06	1.89e-04	-6.27e-04
4868	129	7.07	-10.31	-1.18	2.71e-04	9.80e-05	-4.06e-04
4868	133	-0.10	-9.56	-1.19	2.57e-04	3.16e-05	5.07e-05
4868	144	13.99	0.10	-1.06	-7.24e-06	2.09e-04	-7.05e-04
4868	161	7.95	-11.56	-1.20	3.05e-04	1.07e-04	-4.57e-04
4868	165	-0.17	-10.70	-1.21	2.88e-04	3.15e-05	5.86e-05
4868	176	14.08	0.09	-1.06	-6.48e-06	2.08e-04	-6.95e-04
4868	193	8.14	-11.45	-1.20	3.02e-04	1.08e-04	-4.59e-04
4868	197	-0.22	-10.51	-1.21	2.83e-04	3.12e-05	6.15e-05
4868	208	16.53	0.15	-1.07	-7.93e-06	2.39e-04	-8.11e-04
4868	225	9.67	-13.29	-1.23	3.51e-04	1.23e-04	-5.45e-04
4868	229	-0.36	-12.13	-1.23	3.27e-04	3.08e-05	7.71e-05

4869	28	0.36	-1.15	-2.14	0.0	9.11e-05	4.39e-06
4869	44	0.31	-1.65	-1.88	0.0	7.54e-05	1.07e-05
4869	52	0.37	-0.34	-2.12	0.0	9.87e-05	-4.24e-06
4869	80	0.26	-0.78	-1.49	0.0	6.48e-05	2.87e-06
4869	88	0.22	-1.11	-1.31	0.0	5.43e-05	7.09e-06
4869	92	0.26	-0.24	-1.48	0.0	6.98e-05	-2.88e-06
4869	98	0.22	-0.20	-1.20	0.0	5.86e-05	-2.07e-06
4869	105	0.21	-0.37	-1.15	0.0	5.46e-05	0.0
4869	107	0.21	-0.19	-1.14	0.0	5.62e-05	-1.94e-06
4869	112	10.79	0.09	-1.17	0.0	6.73e-04	-5.65e-04
4869	129	6.09	-8.64	-1.39	0.0	4.11e-04	-3.62e-04
4869	133	-0.26	-8.03	-1.40	0.0	2.29e-05	4.81e-05
4869	144	12.14	0.13	-1.18	0.0	7.52e-04	-6.36e-04
4869	161	6.86	-9.70	-1.42	0.0	4.56e-04	-4.09e-04
4869	165	-0.32	-9.01	-1.43	0.0	1.83e-05	5.50e-05
4869	176	12.21	0.11	-1.18	0.0	7.52e-04	-6.28e-04
4869	193	7.03	-9.61	-1.42	0.0	4.62e-04	-4.12e-04
4869	197	-0.36	-8.84	-1.43	0.0	1.67e-05	5.78e-05
4869	208	14.37	0.14	-1.19	0.0	8.75e-04	-7.35e-04
4869	225	8.38	-11.18	-1.46	0.0	5.40e-04	-4.91e-04
4869	233	-0.60	-10.32	-1.48	0.0	-1.78e-06	4.29e-05
4870	28	0.41	-1.23	-2.17	0.0	9.54e-05	9.93e-06
4870	44	0.35	-1.74	-1.91	0.0	8.14e-05	2.04e-05
4870	52	0.42	-0.39	-2.15	0.0	1.00e-04	-4.70e-06
4870	80	0.29	-0.83	-1.51	0.0	6.78e-05	6.60e-06
4870	88	0.25	-1.18	-1.34	0.0	5.85e-05	1.36e-05
4870	92	0.30	-0.27	-1.50	0.0	7.11e-05	-3.15e-06
4870	98	0.25	-0.23	-1.22	0.0	5.98e-05	-2.16e-06
4870	105	0.23	-0.40	-1.16	0.0	5.63e-05	1.24e-06
4870	107	0.24	-0.22	-1.16	0.0	5.74e-05	-2.01e-06
4870	112	11.13	0.09	-1.19	0.0	6.17e-04	-5.76e-04
4870	129	6.30	-8.93	-1.40	0.0	3.74e-04	-3.72e-04
4870	133	-0.24	-8.30	-1.42	0.0	2.98e-05	5.18e-05
4870	144	12.52	0.13	-1.20	0.0	6.88e-04	-6.49e-04
4870	161	7.09	-10.02	-1.43	0.0	4.15e-04	-4.20e-04
4870	165	-0.31	-9.30	-1.45	0.0	2.60e-05	5.92e-05
4870	176	12.60	0.11	-1.20	0.0	6.88e-04	-6.40e-04
4870	193	7.26	-9.93	-1.43	0.0	4.20e-04	-4.22e-04
4870	197	-0.35	-9.13	-1.45	0.0	2.44e-05	6.20e-05
4870	208	14.81	0.15	-1.21	0.0	8.00e-04	-7.48e-04
4870	225	8.65	-11.56	-1.48	0.0	4.90e-04	-5.03e-04
4870	233	-0.60	-10.65	-1.49	0.0	5.12e-06	4.58e-05
4871	28	0.46	-1.31	-2.19	0.0	1.01e-04	1.26e-05
4871	44	0.40	-1.83	-1.93	0.0	8.96e-05	2.52e-05
4871	52	0.48	-0.44	-2.17	0.0	1.03e-04	-5.19e-06
4871	80	0.33	-0.89	-1.53	0.0	7.20e-05	8.35e-06
4871	88	0.28	-1.24	-1.35	0.0	6.42e-05	1.67e-05
4871	92	0.34	-0.31	-1.51	0.0	7.30e-05	-3.51e-06
4871	98	0.28	-0.26	-1.23	0.0	6.16e-05	-2.48e-06
4871	105	0.26	-0.44	-1.17	0.0	5.89e-05	1.64e-06
4871	107	0.27	-0.25	-1.17	0.0	5.92e-05	-2.32e-06
4871	112	11.43	0.09	-1.20	0.0	5.37e-04	-5.87e-04
4871	129	6.48	-9.22	-1.41	0.0	3.23e-04	-3.80e-04
4871	133	-0.23	-8.56	-1.43	0.0	3.97e-05	5.44e-05
4871	144	12.86	0.13	-1.21	0.0	5.98e-04	-6.61e-04
4871	161	7.29	-10.35	-1.44	0.0	3.57e-04	-4.29e-04
4871	165	-0.30	-9.59	-1.46	0.0	3.70e-05	6.21e-05
4871	176	12.93	0.12	-1.21	0.0	5.98e-04	-6.51e-04
4871	193	7.47	-10.25	-1.44	0.0	3.62e-04	-4.31e-04
4871	197	-0.34	-9.42	-1.46	0.0	3.56e-05	6.49e-05
4871	208	15.20	0.16	-1.22	0.0	6.93e-04	-7.61e-04
4871	225	8.88	-11.92	-1.49	0.0	4.19e-04	-5.13e-04
4871	229	-0.48	-10.89	-1.50	0.0	3.05e-05	8.02e-05
4872	28	0.52	-1.39	-2.21	0.0	1.08e-04	1.16e-05
4872	44	0.45	-1.93	-1.94	0.0	9.82e-05	2.39e-05
4872	52	0.53	-0.49	-2.19	0.0	1.06e-04	-5.87e-06
4872	80	0.37	-0.94	-1.54	0.0	7.65e-05	7.57e-06
4872	88	0.32	-1.30	-1.36	0.0	7.02e-05	1.58e-05
4872	92	0.37	-0.35	-1.52	0.0	7.50e-05	-4.07e-06
4872	98	0.31	-0.29	-1.24	0.0	6.37e-05	-3.14e-06
4872	105	0.30	-0.48	-1.18	0.0	6.18e-05	0.0
4872	107	0.30	-0.28	-1.18	0.0	6.13e-05	-2.99e-06
4872	112	11.69	0.09	-1.21	0.0	4.50e-04	-5.97e-04
4872	129	6.63	-9.50	-1.42	0.0	2.68e-04	-3.88e-04
4872	133	-0.20	-8.81	-1.44	0.0	5.05e-05	5.54e-05

4872	144	13.14	0.13	-1.22	0.0	4.99e-04	-6.72e-04
4872	161	7.46	-10.66	-1.45	0.0	2.94e-04	-4.38e-04
4872	165	-0.27	-9.88	-1.47	0.0	4.89e-05	6.34e-05
4872	176	13.22	0.12	-1.22	0.0	4.98e-04	-6.63e-04
4872	193	7.64	-10.56	-1.45	0.0	2.97e-04	-4.40e-04
4872	197	-0.32	-9.70	-1.46	0.0	4.76e-05	6.62e-05
4872	208	15.53	0.17	-1.23	0.0	5.75e-04	-7.74e-04
4872	225	9.08	-12.28	-1.50	0.0	3.43e-04	-5.23e-04
4872	229	-0.46	-11.21	-1.51	0.0	4.43e-05	8.19e-05
4873	28	0.37	-1.15	-2.53	0.0	9.65e-05	3.15e-06
4873	44	0.32	-1.65	-2.22	0.0	8.46e-05	7.31e-06
4873	52	0.37	-0.34	-2.50	0.0	9.86e-05	-2.10e-06
4873	80	0.26	-0.78	-1.76	0.0	6.85e-05	2.36e-06
4873	88	0.23	-1.11	-1.56	0.0	6.06e-05	5.13e-06
4873	92	0.26	-0.24	-1.74	0.0	6.99e-05	-1.14e-06
4873	98	0.22	-0.20	-1.42	0.0	5.90e-05	0.0
4873	105	0.21	-0.37	-1.35	0.0	5.62e-05	1.25e-06
4873	107	0.21	-0.19	-1.34	0.0	5.67e-05	0.0
4873	112	10.55	0.09	-1.40	0.0	6.79e-04	-5.65e-04
4873	129	5.95	-8.64	-1.69	0.0	4.11e-04	-3.62e-04
4873	133	-0.26	-8.03	-1.71	0.0	2.13e-05	4.95e-05
4873	144	11.86	0.12	-1.41	0.0	7.58e-04	-6.37e-04
4873	161	6.70	-9.70	-1.73	0.0	4.57e-04	-4.09e-04
4873	165	-0.33	-9.01	-1.76	0.0	1.66e-05	5.63e-05
4873	176	11.93	0.11	-1.41	0.0	7.58e-04	-6.29e-04
4873	193	6.86	-9.61	-1.73	0.0	4.62e-04	-4.12e-04
4873	197	-0.37	-8.85	-1.75	0.0	1.53e-05	5.91e-05
4873	208	14.03	0.14	-1.42	0.0	8.81e-04	-7.36e-04
4873	225	8.17	-11.19	-1.80	0.0	5.39e-04	-4.92e-04
4873	229	-0.49	-10.24	-1.82	0.0	7.27e-06	7.28e-05
4874	28	0.42	-1.23	-2.55	0.0	9.88e-05	7.43e-06
4874	44	0.36	-1.74	-2.24	0.0	8.72e-05	1.41e-05
4874	52	0.42	-0.39	-2.51	0.0	1.00e-04	-1.29e-06
4874	80	0.29	-0.83	-1.77	0.0	7.01e-05	5.46e-06
4874	88	0.26	-1.18	-1.57	0.0	6.24e-05	9.89e-06
4874	92	0.30	-0.27	-1.75	0.0	7.10e-05	0.0
4874	98	0.25	-0.23	-1.43	0.0	5.99e-05	1.10e-06
4874	105	0.24	-0.41	-1.36	0.0	5.72e-05	3.22e-06
4874	107	0.24	-0.22	-1.35	0.0	5.75e-05	1.28e-06
4874	112	10.89	0.09	-1.41	0.0	6.18e-04	-5.74e-04
4874	129	6.16	-8.93	-1.69	0.0	3.74e-04	-3.71e-04
4874	133	-0.25	-8.30	-1.72	0.0	2.83e-05	5.45e-05
4874	144	12.25	0.13	-1.42	0.0	6.90e-04	-6.47e-04
4874	161	6.93	-10.03	-1.73	0.0	4.15e-04	-4.19e-04
4874	165	-0.32	-9.30	-1.76	0.0	2.44e-05	6.17e-05
4874	176	12.32	0.11	-1.42	0.0	6.89e-04	-6.38e-04
4874	193	7.09	-9.93	-1.73	0.0	4.19e-04	-4.21e-04
4874	197	-0.36	-9.14	-1.76	0.0	2.31e-05	6.44e-05
4874	208	14.48	0.15	-1.43	0.0	8.01e-04	-7.46e-04
4874	225	8.44	-11.56	-1.80	0.0	4.88e-04	-5.02e-04
4874	229	-0.49	-10.57	-1.82	0.0	1.63e-05	7.89e-05
4875	28	0.47	-1.31	-2.56	0.0	1.02e-04	9.23e-06
4875	44	0.41	-1.83	-2.25	0.0	9.07e-05	1.72e-05
4875	52	0.47	-0.44	-2.52	0.0	1.02e-04	-1.31e-06
4875	80	0.33	-0.89	-1.78	0.0	7.22e-05	6.72e-06
4875	88	0.29	-1.24	-1.58	0.0	6.49e-05	1.20e-05
4875	92	0.33	-0.31	-1.76	0.0	7.25e-05	0.0
4875	98	0.28	-0.26	-1.43	0.0	6.12e-05	1.32e-06
4875	105	0.27	-0.44	-1.37	0.0	5.87e-05	3.87e-06
4875	107	0.27	-0.25	-1.36	0.0	5.88e-05	1.52e-06
4875	112	11.19	0.09	-1.41	0.0	5.36e-04	-5.83e-04
4875	129	6.34	-9.22	-1.69	0.0	3.22e-04	-3.78e-04
4875	133	-0.23	-8.56	-1.72	0.0	3.78e-05	5.74e-05
4875	144	12.58	0.13	-1.42	0.0	5.96e-04	-6.57e-04
4875	161	7.13	-10.34	-1.74	0.0	3.56e-04	-4.28e-04
4875	165	-0.30	-9.59	-1.77	0.0	3.49e-05	6.51e-05
4875	176	12.65	0.12	-1.42	0.0	5.95e-04	-6.47e-04
4875	193	7.30	-10.25	-1.74	0.0	3.60e-04	-4.30e-04
4875	197	-0.34	-9.42	-1.76	0.0	3.37e-05	6.77e-05
4875	208	14.87	0.16	-1.44	0.0	6.90e-04	-7.57e-04
4875	225	8.67	-11.92	-1.80	0.0	4.17e-04	-5.12e-04
4875	229	-0.47	-10.89	-1.82	0.0	2.86e-05	8.28e-05
4876	28	0.52	-1.39	-2.57	0.0	1.05e-04	7.99e-06
4876	44	0.46	-1.92	-2.26	0.0	9.42e-05	1.57e-05
4876	52	0.53	-0.49	-2.54	0.0	1.04e-04	-2.31e-06

4876	80	0.37	-0.94	-1.79	0.0	7.43e-05	5.76e-06
4876	88	0.33	-1.30	-1.59	0.0	6.73e-05	1.09e-05
4876	92	0.37	-0.34	-1.77	0.0	7.40e-05	-1.10e-06
4876	98	0.31	-0.29	-1.44	0.0	6.25e-05	0.0
4876	105	0.30	-0.47	-1.37	0.0	6.02e-05	2.93e-06
4876	107	0.30	-0.28	-1.37	0.0	6.00e-05	0.0
4876	112	11.45	0.09	-1.42	0.0	4.44e-04	-5.94e-04
4876	129	6.49	-9.50	-1.70	0.0	2.66e-04	-3.86e-04
4876	133	-0.21	-8.81	-1.72	0.0	4.80e-05	5.83e-05
4876	144	12.86	0.13	-1.43	0.0	4.92e-04	-6.69e-04
4876	161	7.30	-10.66	-1.74	0.0	2.92e-04	-4.36e-04
4876	165	-0.28	-9.88	-1.77	0.0	4.62e-05	6.62e-05
4876	176	12.94	0.12	-1.43	0.0	4.91e-04	-6.59e-04
4876	193	7.46	-10.56	-1.74	0.0	2.95e-04	-4.38e-04
4876	197	-0.32	-9.70	-1.76	0.0	4.51e-05	6.89e-05
4876	208	15.20	0.17	-1.44	0.0	5.67e-04	-7.69e-04
4876	225	8.87	-12.28	-1.80	0.0	3.39e-04	-5.21e-04
4876	229	-0.46	-11.21	-1.83	0.0	4.17e-05	8.43e-05
4877	28	0.37	-1.16	-2.90	0.0	1.01e-04	2.61e-06
4877	44	0.32	-1.65	-2.55	0.0	9.12e-05	5.15e-06
4877	52	0.37	-0.34	-2.86	0.0	1.00e-04	0.0
4877	80	0.26	-0.78	-2.02	0.0	7.20e-05	2.37e-06
4877	88	0.23	-1.11	-1.79	0.0	6.54e-05	4.06e-06
4877	92	0.26	-0.24	-1.99	0.0	7.16e-05	0.0
4877	98	0.22	-0.20	-1.63	0.0	6.12e-05	2.09e-06
4877	105	0.21	-0.37	-1.55	0.0	5.91e-05	2.85e-06
4877	107	0.21	-0.19	-1.54	0.0	5.90e-05	2.27e-06
4877	112	10.31	0.09	-1.62	0.0	6.89e-04	-5.64e-04
4877	129	5.81	-8.64	-1.93	0.0	4.17e-04	-3.61e-04
4877	133	-0.27	-8.04	-1.97	0.0	2.20e-05	5.15e-05
4877	144	11.59	0.12	-1.63	0.0	7.69e-04	-6.36e-04
4877	161	6.55	-9.70	-1.98	0.0	4.63e-04	-4.08e-04
4877	165	-0.33	-9.02	-2.03	0.0	1.72e-05	5.83e-05
4877	176	11.65	0.11	-1.64	0.0	7.68e-04	-6.28e-04
4877	193	6.69	-9.62	-1.98	0.0	4.67e-04	-4.12e-04
4877	197	-0.37	-8.85	-2.02	0.0	1.62e-05	6.09e-05
4877	208	13.70	0.14	-1.66	0.0	8.93e-04	-7.35e-04
4877	225	7.96	-11.19	-2.05	0.0	5.44e-04	-4.91e-04
4877	229	-0.49	-10.24	-2.10	0.0	8.16e-06	7.45e-05
4878	28	0.42	-1.23	-2.90	0.0	1.01e-04	6.62e-06
4878	44	0.37	-1.74	-2.55	0.0	9.11e-05	1.05e-05
4878	52	0.42	-0.39	-2.86	0.0	1.01e-04	2.49e-06
4878	80	0.30	-0.83	-2.02	0.0	7.20e-05	5.58e-06
4878	88	0.26	-1.18	-1.79	0.0	6.52e-05	8.17e-06
4878	92	0.30	-0.27	-1.99	0.0	7.18e-05	2.82e-06
4878	98	0.25	-0.23	-1.62	0.0	6.10e-05	4.96e-06
4878	105	0.24	-0.41	-1.55	0.0	5.88e-05	6.13e-06
4878	107	0.24	-0.22	-1.54	0.0	5.87e-05	5.21e-06
4878	112	10.65	0.09	-1.62	0.0	6.24e-04	-5.69e-04
4878	129	6.02	-8.93	-1.93	0.0	3.77e-04	-3.68e-04
4878	133	-0.25	-8.30	-1.97	0.0	2.79e-05	5.82e-05
4878	144	11.98	0.13	-1.63	0.0	6.96e-04	-6.42e-04
4878	161	6.78	-10.03	-1.97	0.0	4.18e-04	-4.16e-04
4878	165	-0.32	-9.30	-2.02	0.0	2.38e-05	6.54e-05
4878	176	12.04	0.11	-1.64	0.0	6.95e-04	-6.32e-04
4878	193	6.93	-9.93	-1.97	0.0	4.22e-04	-4.18e-04
4878	197	-0.36	-9.14	-2.02	0.0	2.28e-05	6.79e-05
4878	208	14.15	0.15	-1.66	0.0	8.07e-04	-7.39e-04
4878	225	8.23	-11.56	-2.05	0.0	4.90e-04	-4.99e-04
4878	229	-0.48	-10.57	-2.09	0.0	1.60e-05	8.23e-05
4879	28	0.47	-1.31	-2.90	0.0	1.02e-04	7.90e-06
4879	44	0.42	-1.83	-2.55	0.0	9.11e-05	1.25e-05
4879	52	0.47	-0.44	-2.86	0.0	1.02e-04	2.99e-06
4879	80	0.33	-0.89	-2.02	0.0	7.22e-05	6.64e-06
4879	88	0.30	-1.24	-1.79	0.0	6.51e-05	9.70e-06
4879	92	0.34	-0.31	-2.00	0.0	7.21e-05	3.37e-06
4879	98	0.28	-0.26	-1.63	0.0	6.09e-05	5.92e-06
4879	105	0.27	-0.44	-1.55	0.0	5.85e-05	7.30e-06
4879	107	0.27	-0.25	-1.54	0.0	5.85e-05	6.21e-06
4879	112	10.96	0.09	-1.62	0.0	5.35e-04	-5.78e-04
4879	129	6.20	-9.22	-1.92	0.0	3.23e-04	-3.75e-04
4879	133	-0.24	-8.56	-1.97	0.0	3.59e-05	6.18e-05
4879	144	12.32	0.13	-1.63	0.0	5.96e-04	-6.52e-04
4879	161	6.98	-10.34	-1.97	0.0	3.57e-04	-4.24e-04
4879	165	-0.31	-9.59	-2.02	0.0	3.29e-05	6.93e-05

4879	176	12.38	0.12	-1.64	0.0	5.95e-04	-6.41e-04
4879	193	7.13	-10.25	-1.97	0.0	3.60e-04	-4.26e-04
4879	197	-0.34	-9.42	-2.02	0.0	3.19e-05	7.18e-05
4879	208	14.54	0.16	-1.66	0.0	6.89e-04	-7.49e-04
4879	225	8.47	-11.92	-2.05	0.0	4.16e-04	-5.08e-04
4879	229	-0.47	-10.89	-2.09	0.0	2.67e-05	8.67e-05
4880	28	0.53	-1.39	-2.91	0.0	1.02e-04	6.17e-06
4880	44	0.47	-1.92	-2.56	0.0	9.08e-05	1.07e-05
4880	52	0.53	-0.49	-2.87	0.0	1.02e-04	1.42e-06
4880	80	0.37	-0.94	-2.03	0.0	7.23e-05	5.33e-06
4880	88	0.33	-1.30	-1.80	0.0	6.48e-05	8.33e-06
4880	92	0.37	-0.34	-2.00	0.0	7.24e-05	2.17e-06
4880	98	0.31	-0.29	-1.63	0.0	6.07e-05	4.73e-06
4880	105	0.30	-0.47	-1.55	0.0	5.82e-05	6.08e-06
4880	107	0.30	-0.27	-1.54	0.0	5.83e-05	5.02e-06
4880	112	11.21	0.09	-1.63	0.0	4.37e-04	-5.89e-04
4880	129	6.36	-9.50	-1.92	0.0	2.63e-04	-3.84e-04
4880	133	-0.22	-8.81	-1.97	0.0	4.46e-05	6.23e-05
4880	144	12.60	0.13	-1.64	0.0	4.85e-04	-6.65e-04
4880	161	7.14	-10.66	-1.97	0.0	2.89e-04	-4.34e-04
4880	165	-0.29	-9.88	-2.02	0.0	4.27e-05	7.01e-05
4880	176	12.66	0.12	-1.64	0.0	4.84e-04	-6.53e-04
4880	193	7.30	-10.56	-1.97	0.0	2.92e-04	-4.35e-04
4880	197	-0.32	-9.70	-2.02	0.0	4.18e-05	7.25e-05
4880	208	14.87	0.17	-1.66	0.0	5.58e-04	-7.63e-04
4880	225	8.67	-12.28	-2.05	0.0	3.36e-04	-5.19e-04
4880	229	-0.45	-11.21	-2.09	0.0	3.83e-05	8.78e-05
4881	28	0.37	-1.16	-3.15	0.0	1.06e-04	3.06e-06
4881	44	0.32	-1.66	-2.77	0.0	9.72e-05	4.55e-06
4881	52	0.37	-0.35	-3.11	0.0	1.05e-04	2.33e-06
4881	80	0.26	-0.79	-2.20	0.0	7.62e-05	3.05e-06
4881	88	0.23	-1.12	-1.94	0.0	7.02e-05	4.04e-06
4881	92	0.26	-0.25	-2.17	0.0	7.52e-05	2.56e-06
4881	98	0.22	-0.21	-1.77	0.0	6.59e-05	4.37e-06
4881	105	0.21	-0.38	-1.69	0.0	6.40e-05	4.75e-06
4881	107	0.21	-0.20	-1.67	0.0	6.37e-05	4.59e-06
4881	112	10.08	0.08	-1.79	0.0	7.10e-04	-5.60e-04
4881	129	5.68	-8.65	-2.08	0.0	4.31e-04	-3.59e-04
4881	133	-0.27	-8.05	-2.14	0.0	2.54e-05	5.39e-05
4881	144	11.33	0.11	-1.80	0.0	7.92e-04	-6.32e-04
4881	161	6.40	-9.71	-2.13	0.0	4.78e-04	-4.06e-04
4881	165	-0.34	-9.02	-2.20	0.0	2.04e-05	6.07e-05
4881	176	11.38	0.10	-1.81	0.0	7.90e-04	-6.23e-04
4881	193	6.53	-9.62	-2.13	0.0	4.81e-04	-4.09e-04
4881	197	-0.37	-8.86	-2.19	0.0	1.97e-05	6.32e-05
4881	208	13.38	0.13	-1.83	0.0	9.17e-04	-7.30e-04
4881	225	7.77	-11.20	-2.21	0.0	5.59e-04	-4.89e-04
4881	229	-0.49	-10.25	-2.28	0.0	1.16e-05	7.68e-05
4882	28	0.42	-1.23	-3.15	0.0	1.04e-04	7.99e-06
4882	44	0.38	-1.74	-2.77	0.0	9.43e-05	1.01e-05
4882	52	0.42	-0.39	-3.10	0.0	1.03e-04	7.08e-06
4882	80	0.30	-0.83	-2.20	0.0	7.42e-05	7.27e-06
4882	88	0.27	-1.18	-1.95	0.0	6.78e-05	8.70e-06
4882	92	0.30	-0.27	-2.17	0.0	7.36e-05	6.67e-06
4882	98	0.25	-0.23	-1.76	0.0	6.36e-05	9.55e-06
4882	105	0.24	-0.41	-1.68	0.0	6.15e-05	1.01e-05
4882	107	0.24	-0.22	-1.67	0.0	6.13e-05	9.89e-06
4882	112	10.43	0.09	-1.79	0.0	6.35e-04	-5.60e-04
4882	129	5.90	-8.93	-2.08	0.0	3.84e-04	-3.63e-04
4882	133	-0.26	-8.30	-2.14	0.0	2.91e-05	6.32e-05
4882	144	11.73	0.13	-1.80	0.0	7.07e-04	-6.32e-04
4882	161	6.63	-10.03	-2.13	0.0	4.26e-04	-4.11e-04
4882	165	-0.33	-9.30	-2.20	0.0	2.49e-05	7.05e-05
4882	176	11.78	0.11	-1.81	0.0	7.06e-04	-6.22e-04
4882	193	6.77	-9.93	-2.13	0.0	4.29e-04	-4.13e-04
4882	197	-0.36	-9.14	-2.19	0.0	2.41e-05	7.28e-05
4882	208	13.84	0.15	-1.83	0.0	8.18e-04	-7.27e-04
4882	225	8.04	-11.56	-2.21	0.0	4.97e-04	-4.93e-04
4882	229	-0.48	-10.57	-2.28	0.0	1.72e-05	8.70e-05
4883	28	0.48	-1.31	-3.15	0.0	1.01e-04	9.47e-06
4883	44	0.42	-1.83	-2.78	0.0	9.07e-05	1.20e-05
4883	52	0.48	-0.44	-3.10	0.0	1.01e-04	8.59e-06
4883	80	0.34	-0.89	-2.20	0.0	7.18e-05	8.75e-06
4883	88	0.30	-1.24	-1.95	0.0	6.48e-05	1.04e-05
4883	92	0.34	-0.31	-2.17	0.0	7.17e-05	8.16e-06

4883	98	0.29	-0.26	-1.76	0.0	6.07e-05	1.18e-05
4883	105	0.27	-0.44	-1.68	0.0	5.84e-05	1.25e-05
4883	107	0.27	-0.25	-1.67	0.0	5.84e-05	1.23e-05
4883	112	10.74	0.09	-1.79	0.0	5.35e-04	-5.68e-04
4883	129	6.08	-9.22	-2.08	0.0	3.23e-04	-3.70e-04
4883	133	-0.24	-8.55	-2.14	0.0	3.42e-05	6.82e-05
4883	144	12.07	0.13	-1.80	0.0	5.95e-04	-6.41e-04
4883	161	6.84	-10.34	-2.13	0.0	3.57e-04	-4.19e-04
4883	165	-0.31	-9.59	-2.20	0.0	3.10e-05	7.57e-05
4883	176	12.12	0.12	-1.81	0.0	5.94e-04	-6.29e-04
4883	193	6.98	-10.25	-2.13	0.0	3.60e-04	-4.20e-04
4883	197	-0.34	-9.42	-2.19	0.0	3.03e-05	7.79e-05
4883	208	14.23	0.16	-1.83	0.0	6.87e-04	-7.35e-04
4883	225	8.28	-11.92	-2.21	0.0	4.16e-04	-5.01e-04
4883	229	-0.47	-10.89	-2.28	0.0	2.50e-05	9.27e-05
4884	28	0.53	-1.39	-3.16	0.0	9.88e-05	6.85e-06
4884	44	0.47	-1.92	-2.78	0.0	8.73e-05	9.31e-06
4884	52	0.53	-0.49	-3.11	0.0	9.94e-05	6.13e-06
4884	80	0.38	-0.94	-2.20	0.0	6.97e-05	6.84e-06
4884	88	0.34	-1.30	-1.95	0.0	6.20e-05	8.48e-06
4884	92	0.38	-0.34	-2.17	0.0	7.01e-05	6.36e-06
4884	98	0.32	-0.29	-1.77	0.0	5.81e-05	1.03e-05
4884	105	0.30	-0.47	-1.69	0.0	5.55e-05	1.09e-05
4884	107	0.30	-0.27	-1.68	0.0	5.57e-05	1.08e-05
4884	112	10.99	0.09	-1.79	0.0	4.28e-04	-5.82e-04
4884	129	6.23	-9.50	-2.08	0.0	2.58e-04	-3.79e-04
4884	133	-0.22	-8.81	-2.15	0.0	4.01e-05	6.79e-05
4884	144	12.35	0.13	-1.81	0.0	4.75e-04	-6.57e-04
4884	161	7.00	-10.66	-2.13	0.0	2.84e-04	-4.29e-04
4884	165	-0.29	-9.88	-2.20	0.0	3.81e-05	7.56e-05
4884	176	12.40	0.12	-1.81	0.0	4.73e-04	-6.45e-04
4884	193	7.15	-10.56	-2.13	0.0	2.86e-04	-4.30e-04
4884	197	-0.32	-9.70	-2.20	0.0	3.73e-05	7.79e-05
4884	208	14.55	0.17	-1.83	0.0	5.46e-04	-7.54e-04
4884	225	8.47	-12.28	-2.21	0.0	3.29e-04	-5.13e-04
4884	229	-0.45	-11.21	-2.28	0.0	3.37e-05	9.30e-05
4885	28	0.37	-1.17	-3.27	0.0	1.13e-04	4.21e-06
4885	44	0.33	-1.67	-2.88	0.0	1.04e-04	5.04e-06
4885	52	0.37	-0.36	-3.22	0.0	1.12e-04	4.54e-06
4885	80	0.26	-0.79	-2.28	0.0	8.21e-05	4.11e-06
4885	88	0.23	-1.12	-2.02	0.0	7.64e-05	4.67e-06
4885	92	0.26	-0.25	-2.24	0.0	8.15e-05	4.33e-06
4885	98	0.22	-0.21	-1.83	0.0	7.36e-05	6.33e-06
4885	105	0.21	-0.38	-1.75	0.0	7.17e-05	6.49e-06
4885	107	0.21	-0.20	-1.74	0.0	7.15e-05	6.57e-06
4885	112	9.85	0.08	-1.88	0.0	7.45e-04	-5.58e-04
4885	129	5.56	-8.66	-2.15	0.0	4.55e-04	-3.58e-04
4885	133	-0.28	-8.06	-2.24	0.0	3.17e-05	5.59e-05
4885	144	11.08	0.11	-1.90	0.0	8.30e-04	-6.29e-04
4885	161	6.26	-9.72	-2.21	0.0	5.04e-04	-4.05e-04
4885	165	-0.34	-9.03	-2.31	0.0	2.66e-05	6.27e-05
4885	176	11.12	0.09	-1.91	0.0	8.27e-04	-6.20e-04
4885	193	6.38	-9.63	-2.21	0.0	5.06e-04	-4.07e-04
4885	197	-0.37	-8.87	-2.30	0.0	2.61e-05	6.52e-05
4885	208	13.07	0.12	-1.94	0.0	9.59e-04	-7.26e-04
4885	225	7.58	-11.21	-2.29	0.0	5.86e-04	-4.87e-04
4885	229	-0.49	-10.26	-2.39	0.0	1.79e-05	7.88e-05
4886	28	0.43	-1.23	-3.29	0.0	1.07e-04	1.09e-05
4886	44	0.38	-1.74	-2.91	0.0	9.81e-05	1.21e-05
4886	52	0.43	-0.39	-3.23	0.0	1.07e-04	1.19e-05
4886	80	0.30	-0.83	-2.29	0.0	7.75e-05	9.95e-06
4886	88	0.27	-1.17	-2.04	0.0	7.13e-05	1.07e-05
4886	92	0.31	-0.27	-2.26	0.0	7.72e-05	1.06e-05
4886	98	0.26	-0.23	-1.84	0.0	6.83e-05	1.41e-05
4886	105	0.25	-0.41	-1.76	0.0	6.63e-05	1.43e-05
4886	107	0.25	-0.22	-1.75	0.0	6.62e-05	1.45e-05
4886	112	10.23	0.09	-1.90	0.0	6.54e-04	-5.51e-04
4886	129	5.79	-8.93	-2.17	0.0	3.99e-04	-3.58e-04
4886	133	-0.26	-8.30	-2.26	0.0	3.25e-05	6.86e-05
4886	144	11.50	0.13	-1.92	0.0	7.29e-04	-6.22e-04
4886	161	6.51	-10.03	-2.22	0.0	4.41e-04	-4.06e-04
4886	165	-0.33	-9.30	-2.32	0.0	2.82e-05	7.59e-05
4886	176	11.54	0.11	-1.92	0.0	7.26e-04	-6.10e-04
4886	193	6.64	-9.93	-2.22	0.0	4.43e-04	-4.07e-04
4886	197	-0.35	-9.14	-2.31	0.0	2.77e-05	7.80e-05

4886	208	13.55	0.15	-1.95	0.0	8.41e-04	-7.13e-04
4886	225	7.87	-11.56	-2.30	0.0	5.13e-04	-4.86e-04
4886	229	-0.48	-10.57	-2.40	0.0	2.07e-05	9.22e-05
4887	28	0.48	-1.31	-3.30	0.0	1.00e-04	1.41e-05
4887	44	0.43	-1.83	-2.92	0.0	8.96e-05	1.56e-05
4887	52	0.48	-0.44	-3.25	0.0	1.00e-04	1.59e-05
4887	80	0.34	-0.89	-2.30	0.0	7.12e-05	1.31e-05
4887	88	0.31	-1.24	-2.05	0.0	6.43e-05	1.41e-05
4887	92	0.34	-0.31	-2.27	0.0	7.13e-05	1.43e-05
4887	98	0.29	-0.26	-1.85	0.0	6.10e-05	1.91e-05
4887	105	0.28	-0.44	-1.77	0.0	5.87e-05	1.93e-05
4887	107	0.28	-0.24	-1.75	0.0	5.87e-05	1.97e-05
4887	112	10.54	0.09	-1.91	0.0	5.33e-04	-5.51e-04
4887	129	5.98	-9.22	-2.18	0.0	3.24e-04	-3.61e-04
4887	133	-0.24	-8.55	-2.27	0.0	3.31e-05	7.71e-05
4887	144	11.84	0.13	-1.93	0.0	5.93e-04	-6.23e-04
4887	161	6.72	-10.34	-2.23	0.0	3.57e-04	-4.10e-04
4887	165	-0.31	-9.59	-2.33	0.0	2.98e-05	8.47e-05
4887	176	11.88	0.12	-1.93	0.0	5.90e-04	-6.08e-04
4887	193	6.84	-10.25	-2.23	0.0	3.59e-04	-4.10e-04
4887	197	-0.34	-9.42	-2.33	0.0	2.93e-05	8.66e-05
4887	208	13.95	0.16	-1.96	0.0	6.83e-04	-7.11e-04
4887	225	8.11	-11.92	-2.32	0.0	4.15e-04	-4.90e-04
4887	229	-0.46	-10.89	-2.42	0.0	2.39e-05	1.01e-04
4888	28	0.53	-1.38	-3.31	0.0	9.36e-05	1.16e-05
4888	44	0.47	-1.92	-2.93	0.0	8.19e-05	1.31e-05
4888	52	0.53	-0.49	-3.26	0.0	9.41e-05	1.38e-05
4888	80	0.38	-0.94	-2.31	0.0	6.56e-05	1.15e-05
4888	88	0.34	-1.30	-2.06	0.0	5.78e-05	1.25e-05
4888	92	0.38	-0.34	-2.28	0.0	6.59e-05	1.30e-05
4888	98	0.32	-0.29	-1.85	0.0	5.38e-05	1.86e-05
4888	105	0.31	-0.47	-1.77	0.0	5.12e-05	1.87e-05
4888	107	0.31	-0.27	-1.76	0.0	5.13e-05	1.92e-05
4888	112	10.78	0.09	-1.91	0.0	4.10e-04	-5.68e-04
4888	129	6.12	-9.50	-2.19	0.0	2.48e-04	-3.70e-04
4888	133	-0.22	-8.81	-2.28	0.0	3.41e-05	7.71e-05
4888	144	12.11	0.14	-1.93	0.0	4.55e-04	-6.42e-04
4888	161	6.88	-10.66	-2.24	0.0	2.73e-04	-4.20e-04
4888	165	-0.30	-9.88	-2.35	0.0	3.19e-05	8.48e-05
4888	176	12.15	0.12	-1.94	0.0	4.53e-04	-6.28e-04
4888	193	7.01	-10.56	-2.24	0.0	2.74e-04	-4.20e-04
4888	197	-0.32	-9.70	-2.34	0.0	3.14e-05	8.68e-05
4888	208	14.26	0.17	-1.97	0.0	5.23e-04	-7.34e-04
4888	225	8.30	-12.28	-2.33	0.0	3.16e-04	-5.03e-04
4888	229	-0.45	-11.21	-2.43	0.0	2.76e-05	1.02e-04
4889	28	0.37	-1.19	-3.33	0.0	1.22e-04	5.26e-06
4889	44	0.33	-1.68	-2.95	0.0	1.14e-04	5.72e-06
4889	52	0.37	-0.38	-3.27	0.0	1.22e-04	6.01e-06
4889	80	0.26	-0.81	-2.32	0.0	8.99e-05	4.93e-06
4889	88	0.24	-1.14	-2.07	0.0	8.43e-05	5.23e-06
4889	92	0.27	-0.27	-2.28	0.0	9.01e-05	5.43e-06
4889	98	0.23	-0.23	-1.86	0.0	8.38e-05	7.38e-06
4889	105	0.22	-0.39	-1.78	0.0	8.19e-05	7.43e-06
4889	107	0.22	-0.21	-1.77	0.0	8.19e-05	7.59e-06
4889	112	9.64	0.06	-1.97	0.0	7.96e-04	-5.58e-04
4889	129	5.45	-8.67	-2.25	0.0	-1.15e-05	-3.58e-04
4889	133	-0.28	-8.07	-2.37	0.0	4.02e-05	5.68e-05
4889	144	10.84	0.09	-2.00	0.0	8.87e-04	-6.30e-04
4889	161	6.13	-9.73	-2.31	0.0	-2.26e-05	-4.05e-04
4889	165	-0.35	-9.05	-2.44	0.0	3.48e-05	6.35e-05
4889	176	10.87	0.08	-2.00	0.0	8.82e-04	-6.21e-04
4889	193	6.24	-9.65	-2.30	0.0	-1.73e-05	-4.08e-04
4889	197	-0.37	-8.89	-2.43	0.0	3.45e-05	6.60e-05
4889	208	12.76	0.11	-2.04	0.0	1.02e-03	-7.27e-04
4889	225	7.40	-11.23	-2.40	0.0	-2.85e-05	-4.87e-04
4889	229	-0.49	-10.28	-2.54	0.0	2.62e-05	7.95e-05
4890	28	0.44	-1.23	-3.39	0.0	1.13e-04	1.31e-05
4890	44	0.39	-1.74	-3.01	0.0	1.04e-04	1.39e-05
4890	52	0.44	-0.39	-3.33	0.0	1.14e-04	1.50e-05
4890	80	0.31	-0.84	-2.37	0.0	8.30e-05	1.19e-05
4890	88	0.28	-1.18	-2.11	0.0	7.69e-05	1.24e-05
4890	92	0.31	-0.27	-2.32	0.0	8.34e-05	1.31e-05
4890	98	0.27	-0.23	-1.89	0.0	7.63e-05	1.69e-05
4890	105	0.26	-0.41	-1.81	0.0	7.42e-05	1.69e-05
4890	107	0.26	-0.22	-1.80	0.0	7.43e-05	1.73e-05

4890	112	10.04	0.09	-2.00	0.0	6.97e-04	-5.45e-04
4890	129	5.69	-8.93	-2.30	0.0	-5.56e-06	-3.55e-04
4890	133	-0.26	-8.30	-2.42	0.0	3.86e-05	7.18e-05
4890	144	11.28	0.13	-2.03	0.0	7.75e-04	-6.16e-04
4890	161	6.40	-10.03	-2.36	0.0	-1.51e-05	-4.03e-04
4890	165	-0.33	-9.30	-2.50	0.0	3.40e-05	7.91e-05
4890	176	11.32	0.11	-2.03	0.0	7.71e-04	-6.03e-04
4890	193	6.51	-9.93	-2.36	0.0	-1.04e-05	-4.04e-04
4890	197	-0.35	-9.14	-2.49	0.0	3.37e-05	8.11e-05
4890	208	13.28	0.15	-2.08	0.0	8.92e-04	-7.06e-04
4890	225	7.71	-11.56	-2.46	0.0	-1.99e-05	-4.83e-04
4890	229	-0.47	-10.57	-2.60	0.0	2.65e-05	9.53e-05
4891	28	0.49	-1.31	-3.43	0.0	9.99e-05	1.96e-05
4891	44	0.44	-1.83	-3.05	0.0	8.96e-05	2.07e-05
4891	52	0.50	-0.44	-3.36	0.0	1.01e-04	2.27e-05
4891	80	0.35	-0.89	-2.39	0.0	7.18e-05	1.78e-05
4891	88	0.32	-1.24	-2.14	0.0	6.49e-05	1.86e-05
4891	92	0.35	-0.31	-2.35	0.0	7.23e-05	1.99e-05
4891	98	0.31	-0.26	-1.91	0.0	6.32e-05	2.55e-05
4891	105	0.30	-0.44	-1.84	0.0	6.09e-05	2.55e-05
4891	107	0.30	-0.24	-1.82	0.0	6.11e-05	2.62e-05
4891	112	10.37	0.09	-2.03	0.0	5.37e-04	-5.36e-04
4891	129	5.90	-9.22	-2.33	0.0	3.29e-04	-3.54e-04
4891	133	-0.24	-8.55	-2.46	0.0	3.42e-05	8.53e-05
4891	144	11.65	0.13	-2.06	0.0	5.97e-04	-6.06e-04
4891	161	6.62	-10.34	-2.40	0.0	3.63e-04	-4.02e-04
4891	165	-0.31	-9.59	-2.54	0.0	3.08e-05	9.31e-05
4891	176	11.68	0.12	-2.06	0.0	5.94e-04	-5.90e-04
4891	193	6.74	-10.25	-2.40	0.0	3.63e-04	-4.00e-04
4891	197	-0.33	-9.42	-2.53	0.0	3.05e-05	9.46e-05
4891	208	13.70	0.16	-2.10	0.0	6.86e-04	-6.89e-04
4891	225	7.97	-11.92	-2.50	0.0	4.19e-04	-4.79e-04
4891	229	-0.46	-10.89	-2.64	0.0	2.50e-05	1.09e-04
4892	28	0.54	-1.38	-3.46	0.0	8.37e-05	2.45e-05
4892	44	0.48	-1.92	-3.08	0.0	7.19e-05	2.59e-05
4892	52	0.54	-0.49	-3.40	0.0	8.40e-05	2.91e-05
4892	80	0.39	-0.94	-2.42	0.0	5.79e-05	2.26e-05
4892	88	0.35	-1.30	-2.16	0.0	5.01e-05	2.35e-05
4892	92	0.39	-0.34	-2.37	0.0	5.81e-05	2.56e-05
4892	98	0.34	-0.29	-1.93	0.0	4.62e-05	3.31e-05
4892	105	0.32	-0.47	-1.85	0.0	4.36e-05	3.31e-05
4892	107	0.32	-0.27	-1.84	0.0	4.37e-05	3.41e-05
4892	112	10.60	0.09	-2.05	0.0	3.64e-04	-5.32e-04
4892	129	6.03	-9.50	-2.36	0.0	2.19e-04	-3.53e-04
4892	133	-0.22	-8.81	-2.49	0.0	2.59e-05	9.62e-05
4892	144	11.90	0.14	-2.08	0.0	4.05e-04	-6.03e-04
4892	161	6.77	-10.66	-2.43	0.0	2.41e-04	-4.02e-04
4892	165	-0.30	-9.87	-2.57	0.0	2.36e-05	1.04e-04
4892	176	11.93	0.12	-2.08	0.0	4.02e-04	-5.84e-04
4892	193	6.89	-10.56	-2.43	0.0	2.42e-04	-3.99e-04
4892	197	-0.32	-9.70	-2.56	0.0	2.33e-05	1.06e-04
4892	208	13.99	0.17	-2.13	0.0	4.65e-04	-6.82e-04
4892	225	8.14	-12.28	-2.53	0.0	2.79e-04	-4.78e-04
4892	229	-0.45	-11.21	-2.68	0.0	1.96e-05	1.21e-04
4893	28	0.57	-1.47	-2.22	0.0	1.13e-04	6.99e-06
4893	44	0.50	-2.01	-1.96	0.0	1.05e-04	1.69e-05
4893	52	0.58	-0.54	-2.20	0.0	1.08e-04	-6.95e-06
4893	80	0.41	-1.00	-1.55	0.0	8.02e-05	4.32e-06
4893	88	0.36	-1.36	-1.37	0.0	7.51e-05	1.09e-05
4893	92	0.41	-0.38	-1.54	0.0	7.68e-05	-4.98e-06
4893	98	0.35	-0.32	-1.25	0.0	6.54e-05	-4.23e-06
4893	105	0.33	-0.51	-1.19	0.0	6.41e-05	0.0
4893	107	0.33	-0.31	-1.19	0.0	6.30e-05	-4.09e-06
4893	112	11.89	0.09	-1.22	0.0	3.73e-04	-6.07e-04
4893	129	6.75	-9.77	-1.43	0.0	2.19e-04	-3.95e-04
4893	133	-0.17	-9.06	-1.44	0.0	5.94e-05	5.49e-05
4893	144	13.36	0.13	-1.22	0.0	4.12e-04	-6.84e-04
4893	161	7.59	-10.96	-1.46	0.0	2.39e-04	-4.45e-04
4893	165	-0.25	-10.15	-1.48	0.0	5.88e-05	6.29e-05
4893	176	13.44	0.12	-1.23	0.0	4.11e-04	-6.74e-04
4893	193	7.77	-10.86	-1.46	0.0	2.42e-04	-4.47e-04
4893	197	-0.29	-9.96	-1.47	0.0	5.76e-05	6.57e-05
4893	208	15.79	0.18	-1.24	0.0	4.72e-04	-7.86e-04
4893	225	9.23	-12.62	-1.50	0.0	2.76e-04	-5.31e-04
4893	229	-0.43	-11.51	-1.52	0.0	5.58e-05	8.15e-05

4894	28	0.63	-1.55	-2.24	0.0	1.16e-04	0.0
4894	44	0.55	-2.10	-1.97	0.0	1.10e-04	5.27e-06
4894	52	0.64	-0.61	-2.22	0.0	1.09e-04	-8.63e-06
4894	80	0.45	-1.06	-1.56	0.0	8.27e-05	0.0
4894	88	0.40	-1.43	-1.39	0.0	7.85e-05	2.91e-06
4894	92	0.45	-0.43	-1.55	0.0	7.79e-05	-6.35e-06
4894	98	0.38	-0.36	-1.26	0.0	6.66e-05	-5.81e-06
4894	105	0.36	-0.55	-1.20	0.0	6.57e-05	-3.91e-06
4894	107	0.36	-0.34	-1.20	0.0	6.41e-05	-5.70e-06
4894	112	12.05	0.08	-1.23	0.0	3.18e-04	-6.19e-04
4894	129	6.84	-10.04	-1.44	0.0	1.85e-04	-4.01e-04
4894	133	-0.14	-9.30	-1.45	0.0	6.53e-05	5.29e-05
4894	144	13.54	0.13	-1.23	0.0	3.50e-04	-6.96e-04
4894	161	7.69	-11.26	-1.47	0.0	2.00e-04	-4.52e-04
4894	165	-0.21	-10.42	-1.49	0.0	6.53e-05	6.08e-05
4894	176	13.62	0.11	-1.24	0.0	3.48e-04	-6.86e-04
4894	193	7.87	-11.15	-1.47	0.0	2.02e-04	-4.54e-04
4894	197	-0.26	-10.23	-1.48	0.0	6.43e-05	6.37e-05
4894	208	15.99	0.17	-1.25	0.0	3.98e-04	-8.01e-04
4894	225	9.35	-12.96	-1.51	0.0	2.29e-04	-5.40e-04
4894	229	-0.40	-11.82	-1.53	0.0	6.35e-05	7.95e-05
4895	28	0.69	-1.66	-2.28	0.0	1.18e-04	-8.91e-06
4895	44	0.61	-2.22	-2.01	0.0	1.13e-04	-7.43e-06
4895	52	0.69	-0.69	-2.25	0.0	1.10e-04	-1.06e-05
4895	80	0.49	-1.13	-1.59	0.0	8.39e-05	-6.81e-06
4895	88	0.44	-1.50	-1.41	0.0	8.01e-05	-5.83e-06
4895	92	0.49	-0.49	-1.57	0.0	7.84e-05	-7.91e-06
4895	98	0.41	-0.41	-1.27	0.0	6.71e-05	-7.55e-06
4895	105	0.39	-0.60	-1.22	0.0	6.64e-05	-7.10e-06
4895	107	0.39	-0.39	-1.21	0.0	6.46e-05	-7.47e-06
4895	112	12.19	0.05	-1.25	0.0	2.97e-04	-6.29e-04
4895	129	6.92	-10.31	-1.45	0.0	1.72e-04	-4.07e-04
4895	133	-0.11	-9.56	-1.47	0.0	6.75e-05	5.02e-05
4895	144	13.69	0.10	-1.25	0.0	3.27e-04	-7.08e-04
4895	161	7.78	-11.56	-1.48	0.0	1.86e-04	-4.58e-04
4895	165	-0.18	-10.70	-1.50	0.0	6.77e-05	5.81e-05
4895	176	13.77	0.08	-1.25	0.0	3.26e-04	-6.98e-04
4895	193	7.96	-11.45	-1.48	0.0	1.88e-04	-4.61e-04
4895	197	-0.22	-10.51	-1.50	0.0	6.67e-05	6.10e-05
4895	208	16.17	0.15	-1.26	0.0	3.71e-04	-8.14e-04
4895	225	9.45	-13.29	-1.53	0.0	2.11e-04	-5.47e-04
4895	229	-0.36	-12.13	-1.54	0.0	6.62e-05	7.66e-05
4896	28	0.58	-1.46	-2.58	0.0	1.07e-04	3.94e-06
4896	44	0.51	-2.01	-2.27	0.0	9.67e-05	1.02e-05
4896	52	0.58	-0.54	-2.55	0.0	1.06e-04	-4.27e-06
4896	80	0.41	-1.00	-1.80	0.0	7.59e-05	2.76e-06
4896	88	0.36	-1.36	-1.59	0.0	6.91e-05	6.95e-06
4896	92	0.41	-0.38	-1.78	0.0	7.50e-05	-2.71e-06
4896	98	0.34	-0.32	-1.45	0.0	6.34e-05	-1.45e-06
4896	105	0.33	-0.51	-1.38	0.0	6.13e-05	0.0
4896	107	0.33	-0.31	-1.37	0.0	6.10e-05	-1.27e-06
4896	112	11.64	0.09	-1.43	0.0	3.62e-04	-6.05e-04
4896	129	6.60	-9.77	-1.70	0.0	2.16e-04	-3.94e-04
4896	133	-0.18	-9.06	-1.73	0.0	5.63e-05	5.71e-05
4896	144	13.08	0.13	-1.43	0.0	4.00e-04	-6.82e-04
4896	161	7.42	-10.96	-1.74	0.0	2.36e-04	-4.44e-04
4896	165	-0.25	-10.15	-1.77	0.0	5.56e-05	6.51e-05
4896	176	13.15	0.12	-1.44	0.0	3.99e-04	-6.71e-04
4896	193	7.59	-10.86	-1.74	0.0	2.38e-04	-4.46e-04
4896	197	-0.29	-9.96	-1.77	0.0	5.45e-05	6.78e-05
4896	208	15.44	0.18	-1.45	0.0	4.59e-04	-7.84e-04
4896	225	9.02	-12.62	-1.81	0.0	2.71e-04	-5.31e-04
4896	229	-0.43	-11.51	-1.83	0.0	5.26e-05	8.34e-05
4897	28	0.63	-1.55	-2.60	0.0	1.08e-04	-2.52e-06
4897	44	0.56	-2.10	-2.29	0.0	9.81e-05	1.30e-06
4897	52	0.63	-0.60	-2.57	0.0	1.06e-04	-7.28e-06
4897	80	0.45	-1.05	-1.81	0.0	7.67e-05	-2.01e-06
4897	88	0.40	-1.42	-1.61	0.0	7.00e-05	0.0
4897	92	0.45	-0.42	-1.79	0.0	7.55e-05	-5.18e-06
4897	98	0.38	-0.36	-1.45	0.0	6.39e-05	-4.31e-06
4897	105	0.36	-0.55	-1.39	0.0	6.19e-05	-3.11e-06
4897	107	0.36	-0.34	-1.38	0.0	6.15e-05	-4.17e-06
4897	112	11.80	0.08	-1.44	0.0	3.02e-04	-6.19e-04
4897	129	6.70	-10.04	-1.71	0.0	1.79e-04	-4.01e-04
4897	133	-0.15	-9.30	-1.74	0.0	6.19e-05	5.39e-05

4897	144	13.25	0.13	-1.44	0.0	3.32e-04	-6.97e-04
4897	161	7.52	-11.25	-1.75	0.0	1.94e-04	-4.52e-04
4897	165	-0.22	-10.42	-1.78	0.0	6.18e-05	6.18e-05
4897	176	13.32	0.12	-1.45	0.0	3.31e-04	-6.86e-04
4897	193	7.70	-11.15	-1.75	0.0	1.95e-04	-4.55e-04
4897	197	-0.26	-10.23	-1.78	0.0	6.08e-05	6.46e-05
4897	208	15.64	0.18	-1.46	0.0	3.78e-04	-8.01e-04
4897	225	9.13	-12.95	-1.81	0.0	2.21e-04	-5.40e-04
4897	229	-0.40	-11.81	-1.84	0.0	6.00e-05	8.03e-05
4898	28	0.69	-1.66	-2.63	0.0	1.08e-04	-9.61e-06
4898	44	0.61	-2.22	-2.32	0.0	9.86e-05	-8.45e-06
4898	52	0.69	-0.69	-2.60	0.0	1.07e-04	-1.07e-05
4898	80	0.48	-1.13	-1.84	0.0	7.70e-05	-7.23e-06
4898	88	0.43	-1.51	-1.63	0.0	7.04e-05	-6.46e-06
4898	92	0.49	-0.49	-1.81	0.0	7.57e-05	-7.93e-06
4898	98	0.41	-0.41	-1.47	0.0	6.41e-05	-7.44e-06
4898	105	0.39	-0.60	-1.41	0.0	6.21e-05	-7.11e-06
4898	107	0.39	-0.39	-1.40	0.0	6.17e-05	-7.34e-06
4898	112	11.93	0.05	-1.45	0.0	2.79e-04	-6.33e-04
4898	129	6.77	-10.31	-1.73	0.0	1.65e-04	-4.09e-04
4898	133	-0.12	-9.56	-1.75	0.0	6.38e-05	4.98e-05
4898	144	13.39	0.10	-1.46	0.0	3.07e-04	-7.12e-04
4898	161	7.61	-11.55	-1.77	0.0	1.78e-04	-4.60e-04
4898	165	-0.19	-10.70	-1.80	0.0	6.40e-05	5.76e-05
4898	176	13.47	0.08	-1.46	0.0	3.05e-04	-7.02e-04
4898	193	7.78	-11.45	-1.77	0.0	1.80e-04	-4.63e-04
4898	197	-0.23	-10.51	-1.79	0.0	6.31e-05	6.05e-05
4898	208	15.80	0.15	-1.48	0.0	3.47e-04	-8.20e-04
4898	225	9.23	-13.29	-1.83	0.0	2.02e-04	-5.50e-04
4898	229	-0.37	-12.13	-1.86	0.0	6.26e-05	7.61e-05
4899	28	0.58	-1.46	-2.91	0.0	1.02e-04	1.99e-06
4899	44	0.51	-2.01	-2.57	0.0	9.00e-05	5.68e-06
4899	52	0.58	-0.54	-2.87	0.0	1.02e-04	-1.80e-06
4899	80	0.41	-0.99	-2.03	0.0	7.19e-05	2.06e-06
4899	88	0.36	-1.36	-1.80	0.0	6.41e-05	4.52e-06
4899	92	0.41	-0.38	-2.01	0.0	7.23e-05	0.0
4899	98	0.34	-0.32	-1.63	0.0	6.03e-05	1.69e-06
4899	105	0.33	-0.51	-1.56	0.0	5.76e-05	2.79e-06
4899	107	0.33	-0.30	-1.55	0.0	5.78e-05	1.95e-06
4899	112	11.40	0.09	-1.63	0.0	3.49e-04	-6.02e-04
4899	129	6.47	-9.77	-1.93	0.0	2.09e-04	-3.92e-04
4899	133	-0.19	-9.06	-1.97	0.0	5.16e-05	5.99e-05
4899	144	12.81	0.14	-1.64	0.0	3.85e-04	-6.79e-04
4899	161	7.27	-10.96	-1.98	0.0	2.29e-04	-4.43e-04
4899	165	-0.26	-10.15	-2.03	0.0	5.07e-05	6.78e-05
4899	176	12.87	0.12	-1.64	0.0	3.84e-04	-6.67e-04
4899	193	7.43	-10.86	-1.97	0.0	2.31e-04	-4.44e-04
4899	197	-0.30	-9.96	-2.02	0.0	4.98e-05	7.04e-05
4899	208	15.11	0.18	-1.66	0.0	4.41e-04	-7.79e-04
4899	225	8.81	-12.62	-2.05	0.0	2.63e-04	-5.29e-04
4899	229	-0.43	-11.51	-2.10	0.0	4.78e-05	8.58e-05
4900	28	0.63	-1.54	-2.93	0.0	1.01e-04	-4.07e-06
4900	44	0.56	-2.10	-2.58	0.0	8.87e-05	-1.71e-06
4900	52	0.63	-0.60	-2.89	0.0	1.02e-04	-6.29e-06
4900	80	0.44	-1.05	-2.04	0.0	7.11e-05	-2.72e-06
4900	88	0.40	-1.42	-1.81	0.0	6.31e-05	-1.15e-06
4900	92	0.45	-0.42	-2.02	0.0	7.17e-05	-4.20e-06
4900	98	0.37	-0.35	-1.64	0.0	5.96e-05	-2.79e-06
4900	105	0.36	-0.55	-1.57	0.0	5.68e-05	-2.10e-06
4900	107	0.36	-0.34	-1.56	0.0	5.70e-05	-2.60e-06
4900	112	11.55	0.08	-1.64	0.0	2.82e-04	-6.18e-04
4900	129	6.56	-10.04	-1.93	0.0	1.69e-04	-4.01e-04
4900	133	-0.16	-9.30	-1.98	0.0	5.61e-05	5.52e-05
4900	144	12.97	0.13	-1.65	0.0	3.11e-04	-6.96e-04
4900	161	7.36	-11.25	-1.98	0.0	1.84e-04	-4.52e-04
4900	165	-0.24	-10.41	-2.03	0.0	5.59e-05	6.31e-05
4900	176	13.03	0.12	-1.65	0.0	3.09e-04	-6.85e-04
4900	193	7.52	-11.15	-1.98	0.0	1.85e-04	-4.54e-04
4900	197	-0.27	-10.23	-2.03	0.0	5.51e-05	6.58e-05
4900	208	15.30	0.18	-1.67	0.0	3.53e-04	-8.00e-04
4900	225	8.92	-12.95	-2.06	0.0	2.09e-04	-5.40e-04
4900	229	-0.41	-11.81	-2.10	0.0	5.41e-05	8.13e-05
4901	28	0.68	-1.66	-2.96	0.0	9.99e-05	-1.04e-05
4901	44	0.60	-2.22	-2.62	0.0	8.77e-05	-9.52e-06
4901	52	0.68	-0.70	-2.92	0.0	1.01e-04	-1.10e-05

4901	80	0.48	-1.13	-2.07	0.0	7.05e-05	-7.78e-06
4901	88	0.43	-1.51	-1.84	0.0	6.23e-05	-7.16e-06
4901	92	0.48	-0.49	-2.04	0.0	7.12e-05	-8.16e-06
4901	98	0.40	-0.41	-1.66	0.0	5.91e-05	-7.58e-06
4901	105	0.39	-0.60	-1.58	0.0	5.63e-05	-7.33e-06
4901	107	0.39	-0.39	-1.57	0.0	5.65e-05	-7.46e-06
4901	112	11.67	0.04	-1.66	0.0	2.57e-04	-6.34e-04
4901	129	6.63	-10.31	-1.95	0.0	1.54e-04	-4.09e-04
4901	133	-0.13	-9.56	-2.00	0.0	5.74e-05	4.95e-05
4901	144	13.10	0.09	-1.67	0.0	2.82e-04	-7.14e-04
4901	161	7.44	-11.56	-2.00	0.0	1.66e-04	-4.61e-04
4901	165	-0.21	-10.70	-2.05	0.0	5.74e-05	5.73e-05
4901	176	13.16	0.08	-1.67	0.0	2.80e-04	-7.04e-04
4901	193	7.60	-11.45	-2.00	0.0	1.67e-04	-4.64e-04
4901	197	-0.24	-10.51	-2.04	0.0	5.66e-05	6.03e-05
4901	208	15.44	0.15	-1.69	0.0	3.19e-04	-8.22e-04
4901	225	9.01	-13.29	-2.07	0.0	1.88e-04	-5.51e-04
4901	229	-0.38	-12.13	-2.12	0.0	5.60e-05	7.58e-05
4902	28	0.58	-1.46	-3.16	0.0	9.63e-05	0.0
4902	44	0.51	-2.01	-2.79	0.0	8.40e-05	2.64e-06
4902	52	0.58	-0.54	-3.12	0.0	9.76e-05	0.0
4902	80	0.41	-0.99	-2.21	0.0	6.75e-05	1.81e-06
4902	88	0.37	-1.36	-1.96	0.0	5.93e-05	3.18e-06
4902	92	0.41	-0.38	-2.18	0.0	6.84e-05	1.43e-06
4902	98	0.35	-0.32	-1.77	0.0	5.56e-05	4.87e-06
4902	105	0.33	-0.51	-1.69	0.0	5.27e-05	5.36e-06
4902	107	0.33	-0.30	-1.68	0.0	5.30e-05	5.24e-06
4902	112	11.17	0.09	-1.79	0.0	3.31e-04	-6.00e-04
4902	129	6.34	-9.77	-2.08	0.0	1.99e-04	-3.90e-04
4902	133	-0.20	-9.05	-2.15	0.0	4.50e-05	6.28e-05
4902	144	12.55	0.14	-1.81	0.0	3.66e-04	-6.76e-04
4902	161	7.12	-10.96	-2.13	0.0	2.18e-04	-4.41e-04
4902	165	-0.27	-10.14	-2.21	0.0	4.39e-05	7.06e-05
4902	176	12.60	0.13	-1.81	0.0	3.64e-04	-6.64e-04
4902	193	7.27	-10.86	-2.13	0.0	2.19e-04	-4.42e-04
4902	197	-0.30	-9.96	-2.20	0.0	4.32e-05	7.30e-05
4902	208	14.79	0.18	-1.84	0.0	4.18e-04	-7.76e-04
4902	225	8.61	-12.62	-2.21	0.0	2.51e-04	-5.27e-04
4902	229	-0.43	-11.51	-2.28	0.0	4.10e-05	8.83e-05
4903	28	0.63	-1.53	-3.18	0.0	9.35e-05	-6.35e-06
4903	44	0.55	-2.09	-2.81	0.0	8.05e-05	-4.93e-06
4903	52	0.63	-0.59	-3.13	0.0	9.52e-05	-6.74e-06
4903	80	0.44	-1.05	-2.22	0.0	6.51e-05	-3.96e-06
4903	88	0.39	-1.42	-1.97	0.0	5.65e-05	-3.02e-06
4903	92	0.44	-0.42	-2.19	0.0	6.63e-05	-4.22e-06
4903	98	0.37	-0.35	-1.78	0.0	5.30e-05	-1.91e-06
4903	105	0.36	-0.54	-1.70	0.0	5.00e-05	-1.57e-06
4903	107	0.36	-0.33	-1.69	0.0	5.04e-05	-1.66e-06
4903	112	11.31	0.09	-1.80	0.0	2.55e-04	-6.20e-04
4903	129	6.42	-10.03	-2.09	0.0	1.54e-04	-4.01e-04
4903	133	-0.18	-9.29	-2.16	0.0	4.77e-05	5.56e-05
4903	144	12.70	0.14	-1.82	0.0	2.81e-04	-6.98e-04
4903	161	7.21	-11.25	-2.14	0.0	1.67e-04	-4.53e-04
4903	165	-0.25	-10.41	-2.22	0.0	4.73e-05	6.34e-05
4903	176	12.75	0.13	-1.82	0.0	2.79e-04	-6.87e-04
4903	193	7.36	-11.14	-2.14	0.0	1.68e-04	-4.55e-04
4903	197	-0.28	-10.22	-2.21	0.0	4.66e-05	6.61e-05
4903	208	14.96	0.19	-1.85	0.0	3.19e-04	-8.02e-04
4903	225	8.72	-12.95	-2.22	0.0	1.90e-04	-5.41e-04
4903	229	-0.41	-11.81	-2.29	0.0	4.55e-05	8.15e-05
4904	28	0.67	-1.66	-3.21	0.0	9.16e-05	-1.18e-05
4904	44	0.59	-2.22	-2.84	0.0	7.82e-05	-1.10e-05
4904	52	0.67	-0.70	-3.17	0.0	9.35e-05	-1.20e-05
4904	80	0.47	-1.13	-2.24	0.0	6.36e-05	-8.71e-06
4904	88	0.42	-1.51	-2.00	0.0	5.47e-05	-8.21e-06
4904	92	0.48	-0.49	-2.21	0.0	6.49e-05	-8.87e-06
4904	98	0.40	-0.41	-1.79	0.0	5.14e-05	-8.13e-06
4904	105	0.38	-0.60	-1.72	0.0	4.83e-05	-7.94e-06
4904	107	0.38	-0.39	-1.71	0.0	4.88e-05	-7.99e-06
4904	112	11.41	0.04	-1.82	0.0	2.25e-04	-6.36e-04
4904	129	6.49	-10.31	-2.11	0.0	1.36e-04	-4.10e-04
4904	133	-0.15	-9.56	-2.18	0.0	4.81e-05	4.88e-05
4904	144	12.81	0.09	-1.84	0.0	2.47e-04	-7.16e-04
4904	161	7.28	-11.55	-2.16	0.0	1.47e-04	-4.62e-04
4904	165	-0.22	-10.70	-2.23	0.0	4.79e-05	5.66e-05

4904	176	12.86	0.08	-1.84	0.0	2.46e-04	-7.06e-04
4904	193	7.43	-11.45	-2.16	0.0	1.48e-04	-4.65e-04
4904	197	-0.26	-10.51	-2.23	0.0	4.72e-05	5.95e-05
4904	208	15.09	0.15	-1.86	0.0	2.80e-04	-8.24e-04
4904	225	8.79	-13.29	-2.24	0.0	1.66e-04	-5.52e-04
4904	229	-0.39	-12.13	-2.31	0.0	4.65e-05	7.51e-05
4905	28	0.58	-1.46	-3.32	0.0	8.92e-05	-1.78e-06
4905	44	0.51	-2.00	-2.94	0.0	7.65e-05	0.0
4905	52	0.58	-0.54	-3.27	0.0	9.01e-05	0.0
4905	80	0.41	-0.99	-2.32	0.0	6.15e-05	0.0
4905	88	0.37	-1.36	-2.07	0.0	5.31e-05	1.54e-06
4905	92	0.41	-0.38	-2.28	0.0	6.21e-05	1.84e-06
4905	98	0.35	-0.32	-1.86	0.0	4.82e-05	6.83e-06
4905	105	0.34	-0.51	-1.78	0.0	4.53e-05	6.96e-06
4905	107	0.34	-0.30	-1.77	0.0	4.55e-05	7.31e-06
4905	112	10.95	0.09	-1.92	0.0	3.03e-04	-6.04e-04
4905	129	6.23	-9.77	-2.20	0.0	1.82e-04	-3.91e-04
4905	133	-0.21	-9.05	-2.29	0.0	3.55e-05	6.35e-05
4905	144	12.30	0.14	-1.94	0.0	3.35e-04	-6.81e-04
4905	161	6.99	-10.96	-2.25	0.0	1.99e-04	-4.42e-04
4905	165	-0.28	-10.14	-2.36	0.0	3.41e-05	7.11e-05
4905	176	12.34	0.13	-1.94	0.0	3.33e-04	-6.69e-04
4905	193	7.12	-10.85	-2.25	0.0	2.00e-04	-4.44e-04
4905	197	-0.31	-9.96	-2.35	0.0	3.36e-05	7.35e-05
4905	208	14.48	0.18	-1.98	0.0	3.83e-04	-7.82e-04
4905	225	8.43	-12.62	-2.34	0.0	2.30e-04	-5.29e-04
4905	229	-0.44	-11.51	-2.44	0.0	3.12e-05	8.85e-05
4906	28	0.62	-1.53	-3.34	0.0	8.60e-05	-1.22e-05
4906	44	0.55	-2.08	-2.96	0.0	7.26e-05	-1.14e-05
4906	52	0.62	-0.58	-3.29	0.0	8.71e-05	-1.14e-05
4906	80	0.44	-1.04	-2.33	0.0	5.85e-05	-7.83e-06
4906	88	0.39	-1.41	-2.08	0.0	4.96e-05	-7.28e-06
4906	92	0.44	-0.41	-2.30	0.0	5.93e-05	-7.30e-06
4906	98	0.37	-0.34	-1.87	0.0	4.40e-05	-3.44e-06
4906	105	0.36	-0.54	-1.79	0.0	4.10e-05	-3.32e-06
4906	107	0.36	-0.33	-1.78	0.0	4.12e-05	-3.14e-06
4906	112	11.07	0.10	-1.93	0.0	2.21e-04	-6.30e-04
4906	129	6.30	-10.03	-2.21	0.0	1.33e-04	-4.06e-04
4906	133	-0.19	-9.29	-2.30	0.0	3.63e-05	5.24e-05
4906	144	12.43	0.15	-1.95	0.0	2.44e-04	-7.09e-04
4906	161	7.07	-11.25	-2.26	0.0	1.44e-04	-4.58e-04
4906	165	-0.26	-10.40	-2.37	0.0	3.56e-05	6.00e-05
4906	176	12.47	0.14	-1.95	0.0	2.43e-04	-6.99e-04
4906	193	7.20	-11.14	-2.26	0.0	1.45e-04	-4.61e-04
4906	197	-0.29	-10.21	-2.36	0.0	3.51e-05	6.28e-05
4906	208	14.63	0.20	-1.99	0.0	2.78e-04	-8.16e-04
4906	225	8.52	-12.95	-2.35	0.0	1.65e-04	-5.48e-04
4906	229	-0.42	-11.80	-2.45	0.0	3.37e-05	7.80e-05
4907	28	0.66	-1.66	-3.38	0.0	8.46e-05	-1.40e-05
4907	44	0.59	-2.22	-3.00	0.0	7.08e-05	-1.34e-05
4907	52	0.67	-0.70	-3.33	0.0	8.58e-05	-1.40e-05
4907	80	0.47	-1.13	-2.36	0.0	5.72e-05	-1.03e-05
4907	88	0.42	-1.51	-2.11	0.0	4.81e-05	-9.91e-06
4907	92	0.47	-0.49	-2.32	0.0	5.81e-05	-1.03e-05
4907	98	0.39	-0.41	-1.89	0.0	4.22e-05	-9.30e-06
4907	105	0.37	-0.60	-1.81	0.0	3.90e-05	-9.17e-06
4907	107	0.38	-0.39	-1.79	0.0	3.93e-05	-9.17e-06
4907	112	11.16	0.04	-1.95	0.0	1.92e-04	-6.39e-04
4907	129	6.35	-10.31	-2.23	0.0	1.15e-04	-4.12e-04
4907	133	-0.17	-9.56	-2.32	0.0	3.62e-05	4.74e-05
4907	144	12.53	0.09	-1.97	0.0	2.11e-04	-7.19e-04
4907	161	7.12	-11.55	-2.28	0.0	1.24e-04	-4.64e-04
4907	165	-0.25	-10.70	-2.39	0.0	3.57e-05	5.51e-05
4907	176	12.57	0.08	-1.97	0.0	2.09e-04	-7.09e-04
4907	193	7.26	-11.45	-2.28	0.0	1.25e-04	-4.67e-04
4907	197	-0.27	-10.51	-2.38	0.0	3.53e-05	5.81e-05
4907	208	14.73	0.14	-2.00	0.0	2.39e-04	-8.28e-04
4907	225	8.58	-13.29	-2.37	0.0	1.42e-04	-5.55e-04
4907	229	-0.40	-12.13	-2.47	0.0	3.42e-05	7.36e-05
4908	28	0.58	-1.46	-3.49	0.0	7.56e-05	-7.43e-06
4908	44	0.51	-2.00	-3.11	0.0	6.27e-05	-6.81e-06
4908	52	0.58	-0.54	-3.43	0.0	7.54e-05	-4.79e-06
4908	80	0.41	-0.99	-2.44	0.0	5.04e-05	-3.15e-06
4908	88	0.37	-1.36	-2.19	0.0	4.18e-05	-2.74e-06
4908	92	0.41	-0.38	-2.40	0.0	5.03e-05	-1.40e-06

4908	98	0.35	-0.32	-1.95	0.0	3.52e-05	4.46e-06
4908	105	0.34	-0.51	-1.87	0.0	3.24e-05	4.41e-06
4908	107	0.34	-0.30	-1.85	0.0	3.23e-05	4.99e-06
4908	112	10.73	0.09	-2.07	0.0	2.44e-04	-6.38e-04
4908	129	6.11	-9.77	-2.39	0.0	1.43e-04	-4.03e-04
4908	133	-0.21	-9.05	-2.51	0.0	2.08e-05	5.63e-05
4908	144	12.06	0.14	-2.10	0.0	2.70e-04	-7.20e-04
4908	161	6.86	-10.96	-2.45	0.0	1.58e-04	-4.56e-04
4908	165	-0.29	-10.14	-2.60	0.0	1.93e-05	6.34e-05
4908	176	12.09	0.13	-2.10	0.0	2.69e-04	-7.11e-04
4908	193	6.98	-10.85	-2.45	0.0	1.59e-04	-4.60e-04
4908	197	-0.31	-9.96	-2.58	0.0	1.91e-05	6.64e-05
4908	208	14.17	0.18	-2.15	0.0	3.10e-04	-8.33e-04
4908	225	8.25	-12.62	-2.56	0.0	1.83e-04	-5.49e-04
4908	229	-0.44	-11.51	-2.70	0.0	1.67e-05	8.09e-05
4909	28	0.61	-1.51	-3.53	0.0	7.91e-05	-2.55e-05
4909	44	0.54	-2.06	-3.15	0.0	6.56e-05	-2.50e-05
4909	52	0.62	-0.57	-3.46	0.0	7.87e-05	-2.41e-05
4909	80	0.43	-1.03	-2.47	0.0	5.20e-05	-1.72e-05
4909	88	0.39	-1.40	-2.21	0.0	4.30e-05	-1.69e-05
4909	92	0.44	-0.40	-2.42	0.0	5.18e-05	-1.63e-05
4909	98	0.37	-0.34	-1.97	0.0	3.36e-05	-9.59e-06
4909	105	0.35	-0.53	-1.89	0.0	3.07e-05	-9.60e-06
4909	107	0.35	-0.32	-1.87	0.0	3.06e-05	-9.29e-06
4909	112	10.82	0.11	-2.10	0.0	1.89e-04	-6.45e-04
4909	129	6.16	-10.02	-2.41	0.0	1.11e-04	-4.15e-04
4909	133	-0.21	-9.28	-2.54	0.0	2.22e-05	4.46e-05
4909	144	12.15	0.16	-2.12	0.0	2.09e-04	-7.26e-04
4909	161	6.92	-11.24	-2.48	0.0	1.22e-04	-4.68e-04
4909	165	-0.28	-10.39	-2.62	0.0	2.11e-05	5.21e-05
4909	176	12.18	0.15	-2.13	0.0	2.08e-04	-7.16e-04
4909	193	7.03	-11.13	-2.48	0.0	1.23e-04	-4.71e-04
4909	197	-0.30	-10.20	-2.61	0.0	2.09e-05	5.50e-05
4909	208	14.28	0.21	-2.18	0.0	2.39e-04	-8.36e-04
4909	225	8.31	-12.94	-2.58	0.0	1.40e-04	-5.60e-04
4909	229	-0.43	-11.79	-2.73	0.0	1.91e-05	6.99e-05
4910	28	0.66	-1.66	-3.60	0.0	8.43e-05	-1.50e-05
4910	44	0.58	-2.22	-3.21	0.0	7.05e-05	-1.46e-05
4910	52	0.66	-0.70	-3.53	0.0	8.39e-05	-1.49e-05
4910	80	0.46	-1.13	-2.51	0.0	5.54e-05	-1.11e-05
4910	88	0.41	-1.51	-2.26	0.0	4.62e-05	-1.09e-05
4910	92	0.46	-0.49	-2.47	0.0	5.51e-05	-1.11e-05
4910	98	0.39	-0.41	-2.00	0.0	3.50e-05	-1.01e-05
4910	105	0.37	-0.61	-1.92	0.0	3.20e-05	-1.00e-05
4910	107	0.37	-0.39	-1.91	0.0	3.19e-05	-1.00e-05
4910	112	10.91	0.04	-2.14	0.0	1.82e-04	-6.42e-04
4910	129	6.21	-10.31	-2.44	0.0	1.07e-04	-4.14e-04
4910	133	-0.19	-9.56	-2.58	0.0	2.41e-05	4.63e-05
4910	144	12.25	0.09	-2.17	0.0	2.00e-04	-7.22e-04
4910	161	6.97	-11.55	-2.51	0.0	1.17e-04	-4.66e-04
4910	165	-0.27	-10.70	-2.66	0.0	2.31e-05	5.40e-05
4910	176	12.28	0.08	-2.17	0.0	1.99e-04	-7.12e-04
4910	193	7.09	-11.45	-2.51	0.0	1.18e-04	-4.69e-04
4910	197	-0.29	-10.51	-2.65	0.0	2.29e-05	5.70e-05
4910	208	14.39	0.14	-2.22	0.0	2.28e-04	-8.31e-04
4910	225	8.38	-13.29	-2.62	0.0	1.35e-04	-5.57e-04
4910	229	-0.42	-12.13	-2.77	0.0	2.12e-05	7.24e-05
4911	4	0.36	0.42	-1.36	0.0	1.25e-04	-3.68e-05
4911	44	0.31	-1.68	-1.14	0.0	1.04e-04	-2.78e-05
4911	68	0.25	0.27	-0.95	0.0	8.73e-05	-2.55e-05
4911	88	0.22	-1.13	-0.80	0.0	7.29e-05	-1.95e-05
4911	98	0.21	-0.23	-0.77	0.0	7.01e-05	-2.09e-05
4911	105	0.20	-0.39	-0.72	0.0	6.60e-05	-1.92e-05
4911	107	0.20	-0.22	-0.73	0.0	6.64e-05	-1.96e-05
4911	108	6.38	0.25	-0.89	0.0	5.73e-04	-4.25e-04
4911	112	8.02	0.07	-0.87	0.0	4.60e-04	-5.47e-04
4911	129	4.61	-8.63	-0.65	0.0	-2.19e-05	-3.58e-04
4911	140	7.16	0.31	-0.91	0.0	6.37e-04	-4.76e-04
4911	144	9.01	0.11	-0.89	0.0	5.10e-04	-6.13e-04
4911	161	5.17	-9.68	-0.64	0.0	-3.27e-05	-4.01e-04
4911	172	7.12	0.31	-0.91	0.0	6.27e-04	-4.63e-04
4911	176	8.94	0.09	-0.89	0.0	5.02e-04	-5.98e-04
4911	193	5.17	-9.59	-0.64	0.0	-2.96e-05	-3.97e-04
4911	204	8.30	0.39	-0.94	0.0	7.19e-04	-5.32e-04
4911	208	10.44	0.13	-0.91	0.0	5.74e-04	-6.91e-04

4911	225	6.07	-11.16	-0.63	0.0	-4.23e-05	-4.66e-04
4912	4	0.42	0.42	-1.37	0.0	1.10e-04	-3.55e-05
4912	44	0.36	-1.76	-1.15	0.0	9.21e-05	-2.79e-05
4912	68	0.30	0.26	-0.96	0.0	7.65e-05	-2.48e-05
4912	88	0.26	-1.19	-0.81	0.0	6.47e-05	-1.97e-05
4912	98	0.24	-0.25	-0.77	0.0	6.15e-05	-2.05e-05
4912	105	0.23	-0.42	-0.73	0.0	5.80e-05	-1.91e-05
4912	107	0.23	-0.24	-0.73	0.0	5.83e-05	-1.94e-05
4912	108	6.62	0.26	-0.90	0.0	5.61e-04	-4.40e-04
4912	112	8.31	0.08	-0.88	0.0	4.49e-04	-5.66e-04
4912	129	4.79	-8.93	-0.64	0.0	-2.91e-05	-3.70e-04
4912	140	7.43	0.32	-0.92	0.0	6.25e-04	-4.93e-04
4912	144	9.34	0.11	-0.90	0.0	4.99e-04	-6.35e-04
4912	161	5.37	-10.02	-0.63	0.0	-3.98e-05	-4.15e-04
4912	172	7.38	0.33	-0.91	0.0	6.14e-04	-4.79e-04
4912	176	9.27	0.10	-0.89	0.0	4.91e-04	-6.19e-04
4912	193	5.37	-9.93	-0.63	0.0	-3.67e-05	-4.11e-04
4912	204	8.60	0.41	-0.94	0.0	7.06e-04	-5.51e-04
4912	208	10.82	0.14	-0.92	0.0	5.62e-04	-7.16e-04
4912	225	6.30	-11.55	-0.62	0.0	-4.92e-05	-4.83e-04
4913	4	0.48	0.40	-1.38	0.0	9.13e-05	-4.22e-05
4913	44	0.41	-1.86	-1.16	0.0	7.76e-05	-3.44e-05
4913	68	0.33	0.25	-0.96	0.0	6.37e-05	-2.96e-05
4913	88	0.29	-1.26	-0.82	0.0	5.46e-05	-2.44e-05
4913	98	0.27	-0.28	-0.77	0.0	5.12e-05	-2.46e-05
4913	105	0.26	-0.46	-0.73	0.0	4.85e-05	-2.31e-05
4913	107	0.26	-0.27	-0.74	0.0	4.87e-05	-2.34e-05
4913	108	6.85	0.26	-0.90	0.0	5.15e-04	-4.56e-04
4913	112	8.60	0.08	-0.88	0.0	4.11e-04	-5.85e-04
4913	129	4.97	-9.23	-0.64	0.0	-3.39e-05	-3.84e-04
4913	140	7.68	0.33	-0.92	0.0	5.74e-04	-5.10e-04
4913	144	9.66	0.11	-0.90	0.0	4.57e-04	-6.56e-04
4913	161	5.57	-10.36	-0.63	0.0	-4.41e-05	-4.30e-04
4913	172	7.63	0.33	-0.92	0.0	5.64e-04	-4.96e-04
4913	176	9.59	0.10	-0.90	0.0	4.49e-04	-6.40e-04
4913	193	5.56	-10.26	-0.63	0.0	-4.12e-05	-4.26e-04
4913	204	8.89	0.43	-0.95	0.0	6.49e-04	-5.71e-04
4913	208	11.18	0.15	-0.92	0.0	5.16e-04	-7.40e-04
4913	225	6.52	-11.93	-0.61	0.0	-5.30e-05	-5.00e-04
4914	4	0.52	0.37	-1.39	0.0	6.38e-05	-5.58e-05
4914	44	0.45	-1.95	-1.16	0.0	5.58e-05	-4.62e-05
4914	68	0.36	0.23	-0.97	0.0	4.47e-05	-3.91e-05
4914	88	0.31	-1.32	-0.82	0.0	3.94e-05	-3.28e-05
4914	98	0.30	-0.31	-0.78	0.0	3.62e-05	-3.23e-05
4914	105	0.28	-0.49	-0.73	0.0	3.46e-05	-3.04e-05
4914	107	0.28	-0.30	-0.74	0.0	3.46e-05	-3.07e-05
4914	112	8.85	0.07	-0.88	0.0	3.48e-04	-6.12e-04
4914	124	-0.41	7.69	-0.91	0.0	2.99e-04	2.08e-05
4914	129	5.13	-9.52	-0.63	0.0	-3.89e-05	-4.01e-04
4914	144	9.94	0.11	-0.90	0.0	3.88e-04	-6.86e-04
4914	156	-0.50	8.69	-0.93	0.0	3.32e-04	2.76e-05
4914	161	5.74	-10.68	-0.62	0.0	-4.79e-05	-4.49e-04
4914	176	9.86	0.10	-0.90	0.0	3.81e-04	-6.72e-04
4914	188	-0.49	8.59	-0.93	0.0	3.26e-04	2.80e-05
4914	193	5.73	-10.58	-0.62	0.0	-4.53e-05	-4.46e-04
4914	208	11.49	0.15	-0.92	0.0	4.39e-04	-7.78e-04
4914	220	-0.61	10.06	-0.96	0.0	3.73e-04	4.06e-05
4914	225	6.72	-12.30	-0.61	0.0	-5.58e-05	-5.24e-04
4915	4	0.35	0.43	-1.58	0.0	1.08e-04	-2.49e-05
4915	44	0.30	-1.67	-1.33	0.0	9.10e-05	-1.96e-05
4915	68	0.24	0.27	-1.10	0.0	7.53e-05	-1.74e-05
4915	88	0.21	-1.13	-0.94	0.0	6.38e-05	-1.38e-05
4915	98	0.20	-0.22	-0.89	0.0	6.07e-05	-1.45e-05
4915	105	0.19	-0.39	-0.84	0.0	5.72e-05	-1.35e-05
4915	107	0.19	-0.21	-0.84	0.0	5.74e-05	-1.37e-05
4915	112	7.92	0.08	-0.96	0.0	4.73e-04	-5.49e-04
4915	124	-0.45	7.05	-0.99	0.0	3.99e-04	4.14e-05
4915	129	4.56	-8.63	-0.75	0.0	-3.27e-05	-3.62e-04
4915	144	8.89	0.11	-0.98	0.0	5.26e-04	-6.17e-04
4915	156	-0.53	7.96	-1.01	0.0	4.41e-04	4.87e-05
4915	161	5.11	-9.68	-0.74	0.0	-4.38e-05	-4.07e-04
4915	176	8.81	0.10	-0.97	0.0	5.17e-04	-6.02e-04
4915	188	-0.52	7.87	-1.00	0.0	4.33e-04	4.99e-05
4915	193	5.09	-9.59	-0.74	0.0	-4.09e-05	-4.05e-04
4915	208	10.28	0.13	-0.99	0.0	5.92e-04	-6.98e-04

4915	220	-0.63	9.20	-1.03	0.0	4.94e-04	6.36e-05
4915	225	5.97	-11.16	-0.72	0.0	-5.40e-05	-4.77e-04
4916	4	0.40	0.42	-1.57	0.0	9.95e-05	-3.48e-05
4916	44	0.35	-1.76	-1.33	0.0	8.38e-05	-2.77e-05
4916	68	0.28	0.26	-1.09	0.0	6.93e-05	-2.43e-05
4916	88	0.25	-1.19	-0.93	0.0	5.88e-05	-1.95e-05
4916	98	0.23	-0.25	-0.88	0.0	5.57e-05	-2.02e-05
4916	105	0.22	-0.42	-0.83	0.0	5.25e-05	-1.88e-05
4916	107	0.22	-0.24	-0.84	0.0	5.28e-05	-1.91e-05
4916	112	8.22	0.08	-0.95	0.0	4.43e-04	-5.68e-04
4916	124	-0.45	7.27	-0.98	0.0	3.77e-04	3.96e-05
4916	129	4.74	-8.93	-0.75	0.0	-3.54e-05	-3.78e-04
4916	144	9.23	0.12	-0.97	0.0	4.92e-04	-6.37e-04
4916	156	-0.53	8.21	-1.00	0.0	4.17e-04	4.72e-05
4916	161	5.31	-10.02	-0.74	0.0	-4.63e-05	-4.24e-04
4916	176	9.15	0.10	-0.97	0.0	4.83e-04	-6.21e-04
4916	188	-0.52	8.12	-1.00	0.0	4.09e-04	4.81e-05
4916	193	5.29	-9.93	-0.74	0.0	-4.35e-05	-4.21e-04
4916	208	10.66	0.14	-0.99	0.0	5.54e-04	-7.18e-04
4916	220	-0.64	9.50	-1.02	0.0	4.67e-04	6.23e-05
4916	225	6.20	-11.55	-0.72	0.0	-5.64e-05	-4.95e-04
4917	4	0.45	0.40	-1.57	0.0	8.50e-05	-4.33e-05
4917	44	0.39	-1.86	-1.32	0.0	7.22e-05	-3.49e-05
4917	68	0.32	0.25	-1.09	0.0	5.93e-05	-3.03e-05
4917	88	0.27	-1.26	-0.93	0.0	5.07e-05	-2.47e-05
4917	98	0.26	-0.28	-0.88	0.0	4.76e-05	-2.51e-05
4917	105	0.25	-0.46	-0.83	0.0	4.50e-05	-2.35e-05
4917	107	0.25	-0.27	-0.83	0.0	4.52e-05	-2.38e-05
4917	113	8.50	-4.55	-0.92	0.0	4.96e-04	-4.55e-04
4917	124	-0.45	7.48	-0.98	0.0	3.41e-04	3.58e-05
4917	129	4.91	-9.23	-0.75	0.0	-3.85e-05	-3.93e-04
4917	145	9.54	-5.09	-0.93	0.0	5.53e-04	-5.09e-04
4917	156	-0.54	8.45	-1.00	0.0	3.78e-04	4.36e-05
4917	161	5.50	-10.36	-0.73	0.0	-4.89e-05	-4.40e-04
4917	177	9.45	-5.00	-0.93	0.0	5.42e-04	-4.94e-04
4917	188	-0.52	8.36	-0.99	0.0	3.71e-04	4.45e-05
4917	193	5.48	-10.26	-0.74	0.0	-4.62e-05	-4.37e-04
4917	209	11.01	-5.78	-0.95	0.0	6.24e-04	-5.67e-04
4917	220	-0.65	9.78	-1.02	0.0	4.23e-04	5.89e-05
4917	225	6.41	-11.93	-0.72	0.0	-5.85e-05	-5.13e-04
4918	4	0.49	0.37	-1.57	0.0	6.90e-05	-4.75e-05
4918	44	0.42	-1.95	-1.33	0.0	5.93e-05	-3.89e-05
4918	68	0.34	0.23	-1.09	0.0	4.82e-05	-3.33e-05
4918	88	0.30	-1.32	-0.93	0.0	4.17e-05	-2.76e-05
4918	98	0.28	-0.31	-0.88	0.0	3.86e-05	-2.77e-05
4918	105	0.27	-0.50	-0.83	0.0	3.67e-05	-2.61e-05
4918	107	0.27	-0.30	-0.84	0.0	3.68e-05	-2.64e-05
4918	113	8.74	-4.69	-0.92	0.0	3.38e-04	-4.70e-04
4918	124	5.53	7.69	-0.98	0.0	2.98e-04	3.36e-05
4918	129	-0.93	-9.52	-0.75	0.0	-4.11e-05	-4.05e-04
4918	145	9.81	-5.24	-0.93	0.0	3.76e-04	-5.25e-04
4918	156	6.20	8.69	-1.00	0.0	3.30e-04	4.15e-05
4918	161	-1.08	-10.68	-0.73	0.0	-5.06e-05	-4.53e-04
4918	177	9.71	-5.15	-0.93	0.0	3.69e-04	-5.11e-04
4918	188	6.13	8.59	-0.99	0.0	3.24e-04	4.25e-05
4918	193	-1.02	-10.58	-0.74	0.0	-4.82e-05	-4.50e-04
4918	209	11.31	-5.94	-0.95	0.0	4.24e-04	-5.87e-04
4918	220	7.11	10.06	-1.02	0.0	3.70e-04	5.72e-05
4918	225	-1.17	-12.30	-0.72	0.0	-5.97e-05	-5.28e-04
4919	4	0.33	0.44	-1.65	0.0	9.39e-05	-1.83e-05
4919	44	0.29	-1.67	-1.40	0.0	7.98e-05	-1.59e-05
4919	68	0.24	0.28	-1.15	0.0	6.53e-05	-1.28e-05
4919	88	0.21	-1.12	-0.98	0.0	5.59e-05	-1.12e-05
4919	98	0.19	-0.22	-0.93	0.0	5.26e-05	-1.13e-05
4919	105	0.19	-0.38	-0.88	0.0	4.96e-05	-1.06e-05
4919	107	0.19	-0.21	-0.88	0.0	4.98e-05	-1.07e-05
4919	113	7.81	-4.26	-0.94	0.0	6.19e-04	-4.31e-04
4919	124	4.95	7.06	-1.01	0.0	4.09e-04	4.52e-05
4919	129	-0.93	-8.63	-0.79	0.0	-4.65e-05	-3.64e-04
4919	145	8.78	-4.77	-0.95	0.0	6.90e-04	-4.84e-04
4919	156	5.54	7.97	-1.03	0.0	4.54e-04	5.27e-05
4919	161	-1.06	-9.68	-0.78	0.0	-5.85e-05	-4.09e-04
4919	177	8.68	-4.69	-0.95	0.0	6.76e-04	-4.72e-04
4919	188	5.48	7.88	-1.02	0.0	4.44e-04	5.43e-05
4919	193	-1.01	-9.59	-0.78	0.0	-5.57e-05	-4.09e-04

4919	209	10.11	-5.43	-0.96	0.0	7.78e-04	-5.45e-04
4919	220	6.36	9.21	-1.05	0.0	5.07e-04	6.84e-05
4919	225	-1.16	-11.17	-0.76	0.0	-7.01e-05	-4.83e-04
4920	4	0.38	0.42	-1.64	0.0	8.89e-05	-2.94e-05
4920	44	0.33	-1.76	-1.39	0.0	7.54e-05	-2.55e-05
4920	68	0.27	0.26	-1.14	0.0	6.18e-05	-2.06e-05
4920	88	0.24	-1.19	-0.98	0.0	5.28e-05	-1.80e-05
4920	98	0.22	-0.25	-0.92	0.0	4.97e-05	-1.78e-05
4920	105	0.21	-0.42	-0.87	0.0	4.69e-05	-1.68e-05
4920	107	0.21	-0.24	-0.88	0.0	4.70e-05	-1.69e-05
4920	113	8.12	-4.41	-0.94	0.0	5.64e-04	-4.45e-04
4920	124	5.15	7.27	-1.01	0.0	3.79e-04	4.40e-05
4920	129	-0.95	-8.93	-0.79	0.0	-4.52e-05	-3.82e-04
4920	145	9.13	-4.93	-0.94	0.0	6.29e-04	-4.98e-04
4920	156	5.77	8.21	-1.02	0.0	4.21e-04	5.20e-05
4920	161	-1.09	-10.02	-0.77	0.0	-5.66e-05	-4.29e-04
4920	177	9.02	-4.85	-0.94	0.0	6.16e-04	-4.84e-04
4920	188	5.70	8.12	-1.02	0.0	4.11e-04	5.35e-05
4920	193	-1.04	-9.93	-0.78	0.0	-5.40e-05	-4.27e-04
4920	209	10.51	-5.60	-0.95	0.0	7.08e-04	-5.58e-04
4920	220	6.62	9.50	-1.04	0.0	4.70e-04	6.85e-05
4920	225	-1.19	-11.55	-0.76	0.0	-6.78e-05	-5.03e-04
4921	4	0.43	0.40	-1.64	0.0	8.05e-05	-3.70e-05
4921	44	0.37	-1.86	-1.39	0.0	6.83e-05	-3.21e-05
4921	68	0.30	0.25	-1.14	0.0	5.60e-05	-2.60e-05
4921	88	0.26	-1.26	-0.98	0.0	4.79e-05	-2.27e-05
4921	98	0.25	-0.28	-0.92	0.0	4.48e-05	-2.24e-05
4921	105	0.23	-0.46	-0.87	0.0	4.24e-05	-2.11e-05
4921	107	0.24	-0.27	-0.87	0.0	4.25e-05	-2.12e-05
4921	113	8.40	-4.55	-0.93	0.0	4.90e-04	-4.59e-04
4921	124	5.34	7.48	-1.00	0.0	3.39e-04	4.22e-05
4921	129	-0.98	-9.23	-0.78	0.0	-4.39e-05	-3.97e-04
4921	145	9.43	-5.09	-0.94	0.0	5.47e-04	-5.14e-04
4921	156	5.98	8.45	-1.02	0.0	3.75e-04	5.06e-05
4921	161	-1.12	-10.36	-0.77	0.0	-5.46e-05	-4.45e-04
4921	177	9.32	-5.00	-0.94	0.0	5.35e-04	-4.99e-04
4921	188	5.90	8.36	-1.02	0.0	3.68e-04	5.20e-05
4921	193	-1.07	-10.26	-0.77	0.0	-5.22e-05	-4.42e-04
4921	209	10.85	-5.78	-0.95	0.0	6.15e-04	-5.74e-04
4921	220	6.85	9.78	-1.04	0.0	4.20e-04	6.76e-05
4921	225	-1.23	-11.93	-0.76	0.0	-6.52e-05	-5.20e-04
4922	4	0.47	0.37	-1.64	0.0	7.14e-05	-3.91e-05
4922	44	0.41	-1.95	-1.39	0.0	6.07e-05	-3.41e-05
4922	68	0.33	0.23	-1.14	0.0	4.97e-05	-2.75e-05
4922	88	0.29	-1.32	-0.98	0.0	4.26e-05	-2.42e-05
4922	98	0.27	-0.31	-0.92	0.0	3.96e-05	-2.38e-05
4922	105	0.26	-0.50	-0.87	0.0	3.75e-05	-2.25e-05
4922	107	0.26	-0.30	-0.88	0.0	3.76e-05	-2.27e-05
4922	113	8.63	-4.69	-0.93	0.0	3.28e-04	-4.70e-04
4922	124	5.50	7.69	-1.00	0.0	2.94e-04	4.19e-05
4922	129	-1.00	-9.52	-0.79	0.0	-4.24e-05	-4.07e-04
4922	145	9.69	-5.24	-0.94	0.0	3.65e-04	-5.27e-04
4922	156	6.16	8.69	-1.02	0.0	3.26e-04	5.04e-05
4922	161	-1.15	-10.68	-0.77	0.0	-5.22e-05	-4.56e-04
4922	177	9.58	-5.15	-0.94	0.0	3.58e-04	-5.12e-04
4922	188	6.08	8.59	-1.02	0.0	3.20e-04	5.19e-05
4922	193	-1.09	-10.58	-0.78	0.0	-5.00e-05	-4.53e-04
4922	209	11.15	-5.94	-0.95	0.0	4.10e-04	-5.89e-04
4922	220	7.05	10.05	-1.04	0.0	3.65e-04	6.78e-05
4922	225	-1.26	-12.30	-0.76	0.0	-6.21e-05	-5.33e-04
4923	4	0.33	0.45	-1.59	0.0	8.31e-05	-1.33e-05
4923	44	0.28	-1.66	-1.35	0.0	7.00e-05	-1.44e-05
4923	68	0.23	0.28	-1.11	0.0	5.77e-05	-9.40e-06
4923	88	0.20	-1.12	-0.95	0.0	4.90e-05	-1.01e-05
4923	98	0.19	-0.21	-0.90	0.0	4.60e-05	-9.30e-06
4923	105	0.18	-0.38	-0.85	0.0	4.34e-05	-8.91e-06
4923	107	0.18	-0.20	-0.85	0.0	4.36e-05	-8.82e-06
4923	113	7.71	-4.26	-0.88	0.0	6.34e-04	-4.35e-04
4923	124	4.92	7.06	-0.96	0.0	4.19e-04	4.67e-05
4923	129	-0.98	-8.63	-0.77	0.0	-6.08e-05	-3.64e-04
4923	145	8.66	-4.77	-0.89	0.0	7.09e-04	-4.88e-04
4923	156	5.52	7.97	-0.98	0.0	4.66e-04	5.41e-05
4923	161	-1.13	-9.68	-0.75	0.0	-7.38e-05	-4.10e-04
4923	177	8.55	-4.69	-0.89	0.0	6.92e-04	-4.77e-04
4923	188	5.43	7.88	-0.97	0.0	4.54e-04	5.60e-05

4923	193	-1.08	-9.60	-0.76	0.0	-7.13e-05	-4.10e-04
4923	209	9.95	-5.43	-0.89	0.0	7.97e-04	-5.52e-04
4923	220	6.31	9.21	-0.99	0.0	5.20e-04	7.03e-05
4923	225	-1.23	-11.17	-0.74	0.0	-8.73e-05	-4.86e-04
4924	4	0.37	0.42	-1.60	0.0	8.05e-05	-2.18e-05
4924	44	0.32	-1.76	-1.36	0.0	6.79e-05	-2.35e-05
4924	68	0.26	0.26	-1.11	0.0	5.59e-05	-1.54e-05
4924	88	0.23	-1.19	-0.95	0.0	4.75e-05	-1.65e-05
4924	98	0.21	-0.25	-0.90	0.0	4.45e-05	-1.50e-05
4924	105	0.20	-0.42	-0.85	0.0	4.20e-05	-1.44e-05
4924	107	0.20	-0.24	-0.85	0.0	4.22e-05	-1.42e-05
4924	113	8.03	-4.41	-0.89	0.0	5.72e-04	-4.49e-04
4924	124	5.13	7.27	-0.96	0.0	3.85e-04	4.68e-05
4924	129	-1.02	-8.93	-0.77	0.0	-5.59e-05	-3.83e-04
4924	145	9.02	-4.93	-0.89	0.0	6.39e-04	-5.04e-04
4924	156	5.75	8.21	-0.98	0.0	4.28e-04	5.49e-05
4924	161	-1.16	-10.02	-0.76	0.0	-6.81e-05	-4.30e-04
4924	177	8.90	-4.85	-0.89	0.0	6.24e-04	-4.91e-04
4924	188	5.66	8.12	-0.98	0.0	4.17e-04	5.68e-05
4924	193	-1.11	-9.93	-0.76	0.0	-6.58e-05	-4.29e-04
4924	209	10.35	-5.60	-0.89	0.0	7.18e-04	-5.66e-04
4924	220	6.57	9.50	-1.00	0.0	4.77e-04	7.21e-05
4924	225	-1.28	-11.55	-0.74	0.0	-8.08e-05	-5.07e-04
4925	4	0.41	0.40	-1.60	0.0	7.62e-05	-2.78e-05
4925	44	0.36	-1.86	-1.36	0.0	6.45e-05	-2.95e-05
4925	68	0.29	0.25	-1.12	0.0	5.30e-05	-1.97e-05
4925	88	0.25	-1.26	-0.96	0.0	4.52e-05	-2.08e-05
4925	98	0.24	-0.28	-0.90	0.0	4.21e-05	-1.89e-05
4925	105	0.22	-0.46	-0.85	0.0	3.98e-05	-1.82e-05
4925	107	0.22	-0.27	-0.85	0.0	3.99e-05	-1.80e-05
4925	113	8.31	-4.55	-0.89	0.0	4.90e-04	-4.62e-04
4925	124	5.32	7.48	-0.97	0.0	3.40e-04	4.65e-05
4925	129	-1.04	-9.23	-0.77	0.0	-5.00e-05	-3.97e-04
4925	145	9.33	-5.09	-0.89	0.0	5.47e-04	-5.18e-04
4925	156	5.96	8.45	-0.98	0.0	3.77e-04	5.50e-05
4925	161	-1.20	-10.36	-0.76	0.0	-6.12e-05	-4.46e-04
4925	177	9.20	-5.00	-0.89	0.0	5.34e-04	-5.04e-04
4925	188	5.87	8.36	-0.98	0.0	3.68e-04	5.69e-05
4925	193	-1.15	-10.26	-0.76	0.0	-5.90e-05	-4.44e-04
4925	209	10.70	-5.78	-0.90	0.0	6.14e-04	-5.81e-04
4925	220	6.80	9.78	-1.00	0.0	4.21e-04	7.29e-05
4925	225	-1.32	-11.93	-0.75	0.0	-7.29e-05	-5.23e-04
4926	4	0.45	0.37	-1.61	0.0	7.13e-05	-3.02e-05
4926	44	0.39	-1.95	-1.37	0.0	6.07e-05	-3.15e-05
4926	68	0.32	0.23	-1.12	0.0	4.96e-05	-2.14e-05
4926	88	0.27	-1.32	-0.96	0.0	4.25e-05	-2.23e-05
4926	98	0.26	-0.31	-0.90	0.0	3.94e-05	-2.05e-05
4926	105	0.24	-0.50	-0.86	0.0	3.72e-05	-1.97e-05
4926	107	0.25	-0.30	-0.86	0.0	3.73e-05	-1.95e-05
4926	113	8.54	-4.69	-0.89	0.0	4.03e-04	-4.73e-04
4926	124	5.48	7.69	-0.97	0.0	2.91e-04	4.64e-05
4926	129	-1.07	-9.52	-0.77	0.0	-4.40e-05	-4.06e-04
4926	145	9.59	-5.24	-0.90	0.0	4.48e-04	-5.29e-04
4926	156	6.14	8.69	-0.98	0.0	3.23e-04	5.51e-05
4926	161	-1.23	-10.68	-0.76	0.0	-5.41e-05	-4.56e-04
4926	177	9.45	-5.15	-0.90	0.0	4.38e-04	-5.15e-04
4926	188	6.05	8.59	-0.98	0.0	3.16e-04	5.70e-05
4926	193	-1.17	-10.58	-0.77	0.0	-5.21e-05	-4.54e-04
4926	209	10.99	-5.94	-0.90	0.0	5.03e-04	-5.93e-04
4926	220	7.01	10.05	-1.00	0.0	3.61e-04	7.34e-05
4926	225	-1.35	-12.30	-0.75	0.0	-6.46e-05	-5.35e-04
4927	4	0.32	0.45	-1.46	0.0	7.61e-05	-8.47e-06
4927	44	0.28	-1.66	-1.25	0.0	6.10e-05	-1.41e-05
4927	68	0.23	0.29	-1.02	0.0	5.27e-05	-6.14e-06
4927	88	0.20	-1.12	-0.88	0.0	4.27e-05	-9.87e-06
4927	98	0.19	-0.21	-0.83	0.0	4.08e-05	-7.82e-06
4927	105	0.18	-0.38	-0.78	0.0	3.82e-05	-7.78e-06
4927	107	0.18	-0.20	-0.78	0.0	3.86e-05	-7.45e-06
4927	113	7.61	-4.26	-0.80	0.0	6.43e-04	-4.37e-04
4927	124	4.90	7.07	-0.87	0.0	4.28e-04	4.73e-05
4927	129	-1.04	-8.63	-0.71	0.0	-7.43e-05	-3.64e-04
4927	145	8.55	-4.77	-0.80	0.0	7.19e-04	-4.91e-04
4927	156	5.49	7.98	-0.88	0.0	4.76e-04	5.46e-05
4927	161	-1.19	-9.69	-0.70	0.0	-8.84e-05	-4.10e-04
4927	177	8.42	-4.69	-0.80	0.0	7.01e-04	-4.80e-04

4927	188	5.40	7.89	-0.88	0.0	4.63e-04	5.67e-05
4927	193	-1.14	-9.60	-0.70	0.0	-8.61e-05	-4.10e-04
4927	209	9.79	-5.43	-0.80	0.0	8.07e-04	-5.56e-04
4927	220	6.26	9.22	-0.90	0.0	5.30e-04	7.09e-05
4927	225	-1.31	-11.17	-0.69	0.0	-1.04e-04	-4.86e-04
4928	4	0.36	0.42	-1.49	0.0	7.47e-05	-1.33e-05
4928	44	0.31	-1.76	-1.27	0.0	6.10e-05	-2.27e-05
4928	68	0.25	0.27	-1.04	0.0	5.18e-05	-9.67e-06
4928	88	0.22	-1.19	-0.89	0.0	4.27e-05	-1.59e-05
4928	98	0.21	-0.25	-0.84	0.0	4.04e-05	-1.23e-05
4928	105	0.20	-0.42	-0.79	0.0	3.79e-05	-1.24e-05
4928	107	0.20	-0.24	-0.79	0.0	3.82e-05	-1.18e-05
4928	113	7.94	-4.41	-0.81	0.0	5.79e-04	-4.53e-04
4928	124	5.11	7.27	-0.88	0.0	3.91e-04	4.83e-05
4928	129	-1.08	-8.93	-0.72	0.0	-6.64e-05	-3.82e-04
4928	145	8.91	-4.93	-0.81	0.0	6.46e-04	-5.08e-04
4928	156	5.73	8.21	-0.89	0.0	4.35e-04	5.63e-05
4928	161	-1.24	-10.02	-0.71	0.0	-7.95e-05	-4.29e-04
4928	177	8.77	-4.85	-0.81	0.0	6.30e-04	-4.96e-04
4928	188	5.63	8.12	-0.89	0.0	4.24e-04	5.84e-05
4928	193	-1.19	-9.93	-0.72	0.0	-7.74e-05	-4.29e-04
4928	209	10.19	-5.60	-0.81	0.0	7.25e-04	-5.73e-04
4928	220	6.52	9.50	-0.91	0.0	4.85e-04	7.37e-05
4928	225	-1.37	-11.55	-0.70	0.0	-9.38e-05	-5.08e-04
4929	4	0.40	0.40	-1.50	0.0	7.24e-05	-1.74e-05
4929	44	0.34	-1.86	-1.29	0.0	6.07e-05	-2.86e-05
4929	68	0.28	0.25	-1.05	0.0	5.02e-05	-1.27e-05
4929	88	0.24	-1.26	-0.90	0.0	4.24e-05	-2.01e-05
4929	98	0.23	-0.28	-0.85	0.0	3.96e-05	-1.57e-05
4929	105	0.22	-0.46	-0.80	0.0	3.73e-05	-1.57e-05
4929	107	0.22	-0.27	-0.80	0.0	3.75e-05	-1.50e-05
4929	113	8.22	-4.55	-0.82	0.0	4.91e-04	-4.65e-04
4929	124	5.31	7.48	-0.89	0.0	3.42e-04	4.87e-05
4929	129	-1.11	-9.23	-0.73	0.0	-5.64e-05	-3.96e-04
4929	145	9.23	-5.09	-0.82	0.0	5.48e-04	-5.22e-04
4929	156	5.95	8.45	-0.90	0.0	3.80e-04	5.71e-05
4929	161	-1.27	-10.36	-0.72	0.0	-6.81e-05	-4.45e-04
4929	177	9.08	-5.00	-0.82	0.0	5.35e-04	-5.09e-04
4929	188	5.84	8.36	-0.90	0.0	3.71e-04	5.93e-05
4929	193	-1.22	-10.26	-0.72	0.0	-6.62e-05	-4.44e-04
4929	209	10.54	-5.78	-0.82	0.0	6.14e-04	-5.87e-04
4929	220	6.76	9.78	-0.91	0.0	4.23e-04	7.53e-05
4929	225	-1.41	-11.93	-0.71	0.0	-8.09e-05	-5.24e-04
4930	4	0.44	0.37	-1.51	0.0	6.97e-05	-2.03e-05
4930	44	0.37	-1.95	-1.30	0.0	6.00e-05	-3.08e-05
4930	68	0.31	0.23	-1.06	0.0	4.84e-05	-1.47e-05
4930	88	0.26	-1.32	-0.91	0.0	4.19e-05	-2.18e-05
4930	98	0.25	-0.31	-0.85	0.0	3.85e-05	-1.75e-05
4930	105	0.24	-0.50	-0.81	0.0	3.64e-05	-1.74e-05
4930	107	0.24	-0.30	-0.81	0.0	3.64e-05	-1.67e-05
4930	113	8.45	-4.69	-0.83	0.0	3.98e-04	-4.75e-04
4930	124	5.47	7.69	-0.90	0.0	2.90e-04	4.87e-05
4930	129	-1.14	-9.52	-0.74	0.0	-4.61e-05	-4.05e-04
4930	145	9.48	-5.24	-0.83	0.0	4.44e-04	-5.33e-04
4930	156	6.13	8.69	-0.91	0.0	3.21e-04	5.74e-05
4930	161	-1.31	-10.68	-0.73	0.0	-5.64e-05	-4.55e-04
4930	177	9.33	-5.15	-0.83	0.0	4.33e-04	-5.19e-04
4930	188	6.02	8.59	-0.90	0.0	3.14e-04	5.95e-05
4930	193	-1.26	-10.58	-0.73	0.0	-5.46e-05	-4.54e-04
4930	209	10.83	-5.94	-0.83	0.0	4.97e-04	-5.99e-04
4930	220	6.96	10.05	-0.92	0.0	3.58e-04	7.60e-05
4930	225	-1.45	-12.30	-0.72	0.0	-6.76e-05	-5.36e-04
4931	4	0.54	0.35	-1.39	0.0	4.21e-05	-3.17e-05
4931	44	0.47	-2.04	-1.17	0.0	3.87e-05	-2.73e-05
4931	68	0.38	0.21	-0.97	0.0	2.97e-05	-2.25e-05
4931	88	0.33	-1.38	-0.82	0.0	2.74e-05	-1.96e-05
4931	98	0.31	-0.34	-0.78	0.0	2.44e-05	-1.96e-05
4931	105	0.29	-0.53	-0.73	0.0	2.35e-05	-1.86e-05
4931	107	0.30	-0.32	-0.74	0.0	2.34e-05	-1.88e-05
4931	112	9.05	0.07	-0.88	0.0	3.63e-04	-6.05e-04
4931	124	-0.43	7.88	-0.91	0.0	2.50e-04	3.93e-05
4931	129	5.25	-9.80	-0.64	0.0	-4.15e-05	-3.98e-04
4931	144	10.15	0.11	-0.90	0.0	4.06e-04	-6.79e-04
4931	156	-0.51	8.91	-0.93	0.0	2.79e-04	4.69e-05
4931	161	5.88	-10.99	-0.62	0.0	-4.94e-05	-4.47e-04

4931	176	10.07	0.10	-0.90	0.0	3.99e-04	-6.64e-04
4931	188	-0.50	8.81	-0.93	0.0	2.73e-04	4.78e-05
4931	193	5.87	-10.88	-0.62	0.0	-4.71e-05	-4.45e-04
4931	208	11.74	0.15	-0.92	0.0	4.61e-04	-7.70e-04
4931	220	-0.63	10.31	-0.96	0.0	3.14e-04	6.21e-05
4931	225	6.87	-12.65	-0.61	0.0	-5.65e-05	-5.23e-04
4932	4	0.56	0.34	-1.39	0.0	3.97e-05	-4.95e-06
4932	44	0.48	-2.11	-1.17	0.0	3.70e-05	-5.79e-06
4932	68	0.39	0.20	-0.97	0.0	2.81e-05	-4.02e-06
4932	88	0.34	-1.43	-0.83	0.0	2.62e-05	-4.58e-06
4932	98	0.32	-0.36	-0.78	0.0	2.28e-05	-5.65e-06
4932	105	0.30	-0.55	-0.74	0.0	2.20e-05	-5.55e-06
4932	107	0.30	-0.34	-0.74	0.0	2.20e-05	-5.55e-06
4932	112	9.20	0.07	-0.89	0.0	3.15e-04	-6.07e-04
4932	124	-0.44	8.09	-0.91	0.0	2.23e-04	5.61e-05
4932	129	5.35	-10.07	-0.64	0.0	-3.93e-05	-3.98e-04
4932	144	10.33	0.12	-0.90	0.0	3.51e-04	-6.83e-04
4932	156	-0.53	9.14	-0.93	0.0	2.49e-04	6.43e-05
4932	161	5.99	-11.29	-0.63	0.0	-4.68e-05	-4.48e-04
4932	176	10.24	0.11	-0.90	0.0	3.45e-04	-6.70e-04
4932	188	-0.51	9.04	-0.93	0.0	2.44e-04	6.61e-05
4932	193	5.98	-11.18	-0.63	0.0	-4.48e-05	-4.48e-04
4932	208	11.94	0.17	-0.93	0.0	3.98e-04	-7.80e-04
4932	220	-0.64	10.59	-0.96	0.0	2.80e-04	8.17e-05
4932	225	7.00	-12.99	-0.61	0.0	-5.37e-05	-5.31e-04
4933	4	0.58	0.26	-1.40	0.0	4.55e-05	-1.89e-05
4933	44	0.50	-2.22	-1.19	0.0	4.16e-05	-1.77e-05
4933	68	0.41	0.14	-0.98	0.0	3.21e-05	-1.39e-05
4933	88	0.35	-1.51	-0.84	0.0	2.95e-05	-1.31e-05
4933	98	0.33	-0.41	-0.78	0.0	2.56e-05	-1.32e-05
4933	105	0.32	-0.61	-0.74	0.0	2.48e-05	-1.28e-05
4933	107	0.32	-0.40	-0.74	0.0	2.48e-05	-1.29e-05
4933	108	7.44	0.25	-0.91	0.0	3.09e-04	-4.85e-04
4933	109	9.35	-5.29	-0.83	0.0	2.37e-04	-6.20e-04
4933	129	5.45	-10.31	-0.65	0.0	-3.65e-05	-4.09e-04
4933	140	8.34	0.33	-0.93	0.0	3.44e-04	-5.44e-04
4933	144	10.49	0.09	-0.90	0.0	3.36e-04	-6.97e-04
4933	161	6.10	-11.55	-0.64	0.0	-4.40e-05	-4.60e-04
4933	172	8.27	0.34	-0.93	0.0	3.38e-04	-5.31e-04
4933	176	10.40	0.08	-0.90	0.0	3.30e-04	-6.83e-04
4933	193	6.08	-11.45	-0.64	0.0	-4.20e-05	-4.59e-04
4933	204	9.64	0.46	-0.95	0.0	3.90e-04	-6.15e-04
4933	208	12.12	0.14	-0.93	0.0	3.80e-04	-7.94e-04
4933	225	7.12	-13.29	-0.62	0.0	-5.10e-05	-5.43e-04
4934	4	0.52	0.34	-1.57	0.0	5.64e-05	-3.54e-05
4934	44	0.45	-2.04	-1.33	0.0	4.93e-05	-2.97e-05
4934	68	0.37	0.21	-1.10	0.0	3.95e-05	-2.51e-05
4934	88	0.32	-1.38	-0.94	0.0	3.47e-05	-2.13e-05
4934	98	0.30	-0.34	-0.88	0.0	3.16e-05	-2.16e-05
4934	105	0.28	-0.53	-0.83	0.0	3.01e-05	-2.04e-05
4934	107	0.28	-0.33	-0.84	0.0	3.02e-05	-2.06e-05
4934	112	8.93	0.07	-0.96	0.0	3.53e-04	-6.10e-04
4934	124	5.67	7.88	-0.98	0.0	2.57e-04	4.13e-05
4934	129	-0.95	-9.80	-0.75	0.0	-4.19e-05	-4.07e-04
4934	144	10.02	0.11	-0.97	0.0	3.94e-04	-6.85e-04
4934	156	6.35	8.91	-1.00	0.0	2.85e-04	4.95e-05
4934	161	-1.10	-10.99	-0.74	0.0	-5.07e-05	-4.56e-04
4934	176	9.92	0.10	-0.97	0.0	3.86e-04	-6.69e-04
4934	188	6.28	8.81	-1.00	0.0	2.80e-04	5.09e-05
4934	193	-1.04	-10.88	-0.74	0.0	-4.85e-05	-4.54e-04
4934	208	11.55	0.15	-0.99	0.0	4.45e-04	-7.75e-04
4934	220	7.28	10.31	-1.02	0.0	3.20e-04	6.62e-05
4934	225	-1.20	-12.65	-0.72	0.0	-5.92e-05	-5.35e-04
4935	4	0.55	0.33	-1.59	0.0	4.84e-05	-2.09e-05
4935	44	0.47	-2.11	-1.35	0.0	4.29e-05	-1.85e-05
4935	68	0.38	0.19	-1.11	0.0	3.40e-05	-1.51e-05
4935	88	0.33	-1.43	-0.95	0.0	3.03e-05	-1.35e-05
4935	98	0.31	-0.36	-0.89	0.0	2.71e-05	-1.41e-05
4935	105	0.30	-0.56	-0.84	0.0	2.59e-05	-1.35e-05
4935	107	0.30	-0.35	-0.84	0.0	2.59e-05	-1.36e-05
4935	112	9.08	0.07	-0.96	0.0	3.02e-04	-6.13e-04
4935	124	5.78	8.08	-0.99	0.0	2.26e-04	4.98e-05
4935	129	-0.97	-10.07	-0.75	0.0	-4.11e-05	-4.06e-04
4935	144	10.19	0.11	-0.98	0.0	3.36e-04	-6.89e-04
4935	156	6.47	9.13	-1.01	0.0	2.51e-04	5.82e-05

4935	161	-1.12	-11.28	-0.74	0.0	-4.93e-05	-4.57e-04
4935	176	10.09	0.10	-0.97	0.0	3.30e-04	-6.74e-04
4935	188	6.40	9.03	-1.00	0.0	2.47e-04	6.00e-05
4935	193	-1.06	-11.18	-0.74	0.0	-4.72e-05	-4.56e-04
4935	208	11.75	0.16	-1.00	0.0	3.80e-04	-7.83e-04
4935	220	7.43	10.57	-1.03	0.0	2.82e-04	7.58e-05
4935	225	-1.23	-12.99	-0.73	0.0	-5.73e-05	-5.38e-04
4936	4	0.57	0.26	-1.61	0.0	4.50e-05	-1.98e-05
4936	44	0.49	-2.22	-1.38	0.0	4.00e-05	-1.84e-05
4936	68	0.40	0.15	-1.13	0.0	3.16e-05	-1.45e-05
4936	88	0.35	-1.51	-0.97	0.0	2.83e-05	-1.36e-05
4936	98	0.33	-0.41	-0.90	0.0	2.50e-05	-1.37e-05
4936	105	0.31	-0.61	-0.86	0.0	2.40e-05	-1.32e-05
4936	107	0.31	-0.40	-0.86	0.0	2.40e-05	-1.33e-05
4936	108	9.22	0.26	-1.00	0.0	2.92e-04	-4.86e-04
4936	124	5.89	8.21	-1.00	0.0	2.14e-04	4.95e-05
4936	129	-0.99	-10.31	-0.77	0.0	-4.09e-05	-4.09e-04
4936	140	10.34	0.33	-1.01	0.0	3.26e-04	-5.45e-04
4936	156	6.59	9.29	-1.02	0.0	2.38e-04	5.79e-05
4936	161	-1.15	-11.55	-0.75	0.0	-4.88e-05	-4.60e-04
4936	172	10.24	0.34	-1.01	0.0	3.19e-04	-5.33e-04
4936	188	6.51	9.18	-1.02	0.0	2.34e-04	5.99e-05
4936	193	-1.08	-11.44	-0.76	0.0	-4.68e-05	-4.60e-04
4936	208	11.92	0.14	-1.01	0.0	3.55e-04	-7.95e-04
4936	220	7.55	10.76	-1.05	0.0	2.68e-04	7.58e-05
4936	225	-1.25	-13.29	-0.74	0.0	-5.65e-05	-5.43e-04
4937	4	0.50	0.34	-1.65	0.0	6.33e-05	-3.41e-05
4937	44	0.43	-2.04	-1.40	0.0	5.41e-05	-3.02e-05
4937	68	0.35	0.21	-1.15	0.0	4.42e-05	-2.42e-05
4937	88	0.31	-1.38	-0.99	0.0	3.80e-05	-2.16e-05
4937	98	0.29	-0.34	-0.92	0.0	3.50e-05	-2.13e-05
4937	105	0.27	-0.53	-0.88	0.0	3.32e-05	-2.03e-05
4937	107	0.27	-0.33	-0.88	0.0	3.33e-05	-2.04e-05
4937	113	8.82	-4.82	-0.94	0.0	2.74e-04	-4.77e-04
4937	124	5.64	7.88	-1.01	0.0	2.54e-04	4.43e-05
4937	129	-1.02	-9.80	-0.79	0.0	-4.04e-05	-4.10e-04
4937	145	9.90	-5.39	-0.95	0.0	3.04e-04	-5.35e-04
4937	156	6.31	8.91	-1.02	0.0	2.82e-04	5.28e-05
4937	161	-1.17	-10.99	-0.78	0.0	-4.95e-05	-4.60e-04
4937	177	9.78	-5.29	-0.94	0.0	2.98e-04	-5.20e-04
4937	188	6.23	8.81	-1.02	0.0	2.76e-04	5.45e-05
4937	193	-1.12	-10.88	-0.78	0.0	-4.74e-05	-4.58e-04
4937	209	11.38	-6.10	-0.95	0.0	3.41e-04	-5.99e-04
4937	220	7.22	10.31	-1.04	0.0	3.16e-04	7.05e-05
4937	225	-1.29	-12.65	-0.76	0.0	-5.86e-05	-5.40e-04
4938	4	0.53	0.32	-1.66	0.0	5.64e-05	-2.66e-05
4938	44	0.46	-2.12	-1.42	0.0	4.85e-05	-2.41e-05
4938	68	0.37	0.19	-1.16	0.0	3.94e-05	-1.91e-05
4938	88	0.32	-1.44	-1.00	0.0	3.41e-05	-1.74e-05
4938	98	0.30	-0.37	-0.93	0.0	3.11e-05	-1.74e-05
4938	105	0.29	-0.56	-0.88	0.0	2.95e-05	-1.66e-05
4938	107	0.29	-0.35	-0.88	0.0	2.96e-05	-1.67e-05
4938	113	8.97	-4.95	-0.95	0.0	2.32e-04	-4.82e-04
4938	124	5.75	8.07	-1.01	0.0	2.23e-04	4.73e-05
4938	129	-1.04	-10.06	-0.80	0.0	-3.87e-05	-4.10e-04
4938	145	10.06	-5.52	-0.95	0.0	2.57e-04	-5.40e-04
4938	156	6.44	9.12	-1.03	0.0	2.47e-04	5.57e-05
4938	161	-1.20	-11.28	-0.78	0.0	-4.71e-05	-4.61e-04
4938	177	9.94	-5.43	-0.95	0.0	2.52e-04	-5.27e-04
4938	188	6.35	9.02	-1.03	0.0	2.43e-04	5.76e-05
4938	193	-1.14	-11.18	-0.79	0.0	-4.52e-05	-4.60e-04
4938	209	11.56	-6.26	-0.96	0.0	2.89e-04	-6.08e-04
4938	220	7.36	10.57	-1.05	0.0	2.77e-04	7.36e-05
4938	225	-1.31	-12.99	-0.77	0.0	-5.55e-05	-5.42e-04
4939	4	0.56	0.26	-1.69	0.0	5.24e-05	-2.17e-05
4939	44	0.48	-2.22	-1.45	0.0	4.51e-05	-2.01e-05
4939	68	0.39	0.15	-1.18	0.0	3.66e-05	-1.58e-05
4939	88	0.34	-1.51	-1.02	0.0	3.17e-05	-1.47e-05
4939	98	0.32	-0.41	-0.95	0.0	2.88e-05	-1.47e-05
4939	105	0.30	-0.61	-0.90	0.0	2.74e-05	-1.42e-05
4939	107	0.30	-0.39	-0.90	0.0	2.75e-05	-1.43e-05
4939	108	9.09	0.26	-1.01	0.0	2.76e-04	-4.87e-04
4939	124	5.85	8.21	-1.03	0.0	2.10e-04	4.84e-05
4939	129	-1.05	-10.31	-0.81	0.0	-3.86e-05	-4.10e-04
4939	140	10.20	0.34	-1.02	0.0	3.07e-04	-5.47e-04

4939	156	6.55	9.29	-1.05	0.0	2.33e-04	5.68e-05
4939	161	-1.22	-11.55	-0.80	0.0	-4.67e-05	-4.61e-04
4939	172	10.08	0.34	-1.02	0.0	3.01e-04	-5.34e-04
4939	188	6.46	9.18	-1.04	0.0	2.29e-04	5.88e-05
4939	193	-1.16	-11.45	-0.80	0.0	-4.48e-05	-4.61e-04
4939	204	11.72	0.46	-1.04	0.0	3.45e-04	-6.18e-04
4939	220	7.49	10.76	-1.07	0.0	2.61e-04	7.47e-05
4939	225	-1.34	-13.29	-0.79	0.0	-5.48e-05	-5.44e-04
4940	4	0.49	0.34	-1.62	0.0	6.65e-05	-2.91e-05
4940	44	0.42	-2.04	-1.38	0.0	5.69e-05	-2.98e-05
4940	68	0.34	0.21	-1.13	0.0	4.62e-05	-2.08e-05
4940	88	0.30	-1.38	-0.97	0.0	3.98e-05	-2.12e-05
4940	98	0.28	-0.34	-0.91	0.0	3.66e-05	-1.98e-05
4940	105	0.26	-0.53	-0.86	0.0	3.47e-05	-1.91e-05
4940	107	0.26	-0.33	-0.86	0.0	3.48e-05	-1.89e-05
4940	113	8.72	-4.82	-0.90	0.0	2.62e-04	-4.79e-04
4940	124	5.62	7.88	-0.97	0.0	2.49e-04	4.68e-05
4940	129	-1.09	-9.80	-0.78	0.0	-3.88e-05	-4.11e-04
4940	145	9.78	-5.39	-0.90	0.0	2.91e-04	-5.37e-04
4940	156	6.29	8.91	-0.99	0.0	2.76e-04	5.55e-05
4940	161	-1.25	-10.99	-0.77	0.0	-4.79e-05	-4.61e-04
4940	177	9.64	-5.29	-0.90	0.0	2.84e-04	-5.23e-04
4940	188	6.19	8.81	-0.98	0.0	2.70e-04	5.74e-05
4940	193	-1.20	-10.88	-0.77	0.0	-4.60e-05	-4.59e-04
4940	209	11.21	-6.10	-0.91	0.0	3.25e-04	-6.03e-04
4940	220	7.17	10.31	-1.00	0.0	3.08e-04	7.37e-05
4940	225	-1.38	-12.65	-0.75	0.0	-5.73e-05	-5.41e-04
4941	4	0.52	0.31	-1.63	0.0	6.21e-05	-2.58e-05
4941	44	0.45	-2.12	-1.40	0.0	5.34e-05	-2.55e-05
4941	68	0.36	0.18	-1.14	0.0	4.32e-05	-1.86e-05
4941	88	0.31	-1.44	-0.98	0.0	3.74e-05	-1.84e-05
4941	98	0.29	-0.37	-0.92	0.0	3.42e-05	-1.75e-05
4941	105	0.28	-0.56	-0.87	0.0	3.24e-05	-1.69e-05
4941	107	0.28	-0.36	-0.87	0.0	3.25e-05	-1.69e-05
4941	113	8.86	-4.95	-0.91	0.0	2.19e-04	-4.84e-04
4941	124	5.73	8.06	-0.98	0.0	2.17e-04	4.74e-05
4941	129	-1.10	-10.06	-0.79	0.0	-3.50e-05	-4.11e-04
4941	145	9.94	-5.53	-0.91	0.0	2.42e-04	-5.43e-04
4941	156	6.41	9.12	-0.99	0.0	2.40e-04	5.60e-05
4941	161	-1.27	-11.28	-0.78	0.0	-4.33e-05	-4.62e-04
4941	177	9.80	-5.43	-0.91	0.0	2.37e-04	-5.29e-04
4941	188	6.31	9.02	-0.99	0.0	2.36e-04	5.79e-05
4941	193	-1.22	-11.18	-0.78	0.0	-4.15e-05	-4.61e-04
4941	209	11.39	-6.26	-0.91	0.0	2.70e-04	-6.11e-04
4941	220	7.31	10.56	-1.01	0.0	2.68e-04	7.41e-05
4941	225	-1.41	-12.98	-0.76	0.0	-5.18e-05	-5.44e-04
4942	4	0.55	0.26	-1.66	0.0	5.95e-05	-2.19e-05
4942	44	0.47	-2.22	-1.43	0.0	5.13e-05	-2.06e-05
4942	68	0.38	0.15	-1.16	0.0	4.14e-05	-1.59e-05
4942	88	0.33	-1.51	-1.01	0.0	3.59e-05	-1.51e-05
4942	98	0.31	-0.41	-0.93	0.0	3.27e-05	-1.49e-05
4942	105	0.29	-0.61	-0.88	0.0	3.10e-05	-1.44e-05
4942	107	0.30	-0.39	-0.89	0.0	3.11e-05	-1.45e-05
4942	108	8.98	0.26	-0.97	0.0	2.60e-04	-4.87e-04
4942	124	5.82	8.21	-1.00	0.0	2.04e-04	4.82e-05
4942	129	-1.12	-10.31	-0.80	0.0	-3.40e-05	-4.10e-04
4942	140	10.08	0.34	-0.98	0.0	2.88e-04	-5.47e-04
4942	156	6.52	9.29	-1.01	0.0	2.26e-04	5.65e-05
4942	161	-1.29	-11.55	-0.79	0.0	-4.20e-05	-4.61e-04
4942	172	9.93	0.34	-0.97	0.0	2.82e-04	-5.34e-04
4942	188	6.42	9.18	-1.01	0.0	2.22e-04	5.86e-05
4942	193	-1.24	-11.45	-0.79	0.0	-4.01e-05	-4.61e-04
4942	204	11.54	0.46	-0.99	0.0	3.23e-04	-6.18e-04
4942	220	7.43	10.76	-1.03	0.0	2.53e-04	7.45e-05
4942	225	-1.43	-13.29	-0.78	0.0	-5.01e-05	-5.45e-04
4943	4	0.47	0.34	-1.53	0.0	6.69e-05	-2.18e-05
4943	44	0.40	-2.04	-1.31	0.0	5.91e-05	-2.97e-05
4943	68	0.33	0.21	-1.06	0.0	4.65e-05	-1.58e-05
4943	88	0.28	-1.38	-0.92	0.0	4.12e-05	-2.11e-05
4943	98	0.27	-0.34	-0.86	0.0	3.73e-05	-1.77e-05
4943	105	0.25	-0.53	-0.81	0.0	3.54e-05	-1.75e-05
4943	107	0.25	-0.33	-0.82	0.0	3.54e-05	-1.70e-05
4943	113	8.62	-4.82	-0.83	0.0	3.18e-04	-4.81e-04
4943	124	5.60	7.88	-0.90	0.0	2.45e-04	4.84e-05
4943	129	-1.16	-9.80	-0.75	0.0	-3.75e-05	-4.09e-04

4943	145	9.68	-5.39	-0.84	0.0	3.54e-04	-5.40e-04
4943	156	6.27	8.91	-0.91	0.0	2.71e-04	5.71e-05
4943	161	-1.33	-10.99	-0.74	0.0	-4.65e-05	-4.60e-04
4943	177	9.52	-5.29	-0.83	0.0	3.45e-04	-5.26e-04
4943	188	6.16	8.81	-0.91	0.0	2.65e-04	5.92e-05
4943	193	-1.28	-10.88	-0.74	0.0	-4.48e-05	-4.59e-04
4943	209	11.05	-6.10	-0.84	0.0	3.95e-04	-6.07e-04
4943	220	7.13	10.31	-0.93	0.0	3.02e-04	7.57e-05
4943	225	-1.48	-12.65	-0.73	0.0	-5.61e-05	-5.42e-04
4944	4	0.50	0.31	-1.54	0.0	6.46e-05	-2.20e-05
4944	44	0.43	-2.13	-1.33	0.0	5.81e-05	-2.58e-05
4944	68	0.35	0.18	-1.08	0.0	4.49e-05	-1.60e-05
4944	88	0.30	-1.44	-0.93	0.0	4.05e-05	-1.85e-05
4944	98	0.29	-0.37	-0.87	0.0	3.63e-05	-1.66e-05
4944	105	0.27	-0.57	-0.82	0.0	3.45e-05	-1.63e-05
4944	107	0.27	-0.36	-0.82	0.0	3.44e-05	-1.60e-05
4944	108	8.76	0.27	-0.88	0.0	2.69e-04	-4.85e-04
4944	124	5.71	8.06	-0.91	0.0	2.11e-04	4.82e-05
4944	129	-1.17	-10.06	-0.76	0.0	-3.13e-05	-4.11e-04
4944	140	9.83	0.34	-0.89	0.0	2.98e-04	-5.44e-04
4944	156	6.39	9.11	-0.92	0.0	2.33e-04	5.67e-05
4944	161	-1.35	-11.28	-0.75	0.0	-3.93e-05	-4.61e-04
4944	172	9.66	0.35	-0.88	0.0	2.92e-04	-5.30e-04
4944	188	6.28	9.01	-0.92	0.0	2.29e-04	5.88e-05
4944	193	-1.30	-11.17	-0.75	0.0	-3.76e-05	-4.61e-04
4944	209	11.22	-6.26	-0.85	0.0	2.55e-04	-6.14e-04
4944	220	7.26	10.55	-0.93	0.0	2.60e-04	7.50e-05
4944	225	-1.50	-12.98	-0.74	0.0	-4.78e-05	-5.44e-04
4945	4	0.54	0.26	-1.58	0.0	6.35e-05	-2.14e-05
4945	44	0.46	-2.22	-1.36	0.0	5.75e-05	-2.08e-05
4945	68	0.37	0.15	-1.10	0.0	4.41e-05	-1.56e-05
4945	88	0.32	-1.51	-0.96	0.0	4.01e-05	-1.52e-05
4945	98	0.30	-0.41	-0.88	0.0	3.58e-05	-1.48e-05
4945	105	0.29	-0.61	-0.84	0.0	3.40e-05	-1.44e-05
4945	107	0.29	-0.39	-0.84	0.0	3.39e-05	-1.44e-05
4945	108	8.88	0.26	-0.90	0.0	2.47e-04	-4.87e-04
4945	124	5.80	8.21	-0.93	0.0	1.99e-04	4.81e-05
4945	129	-1.19	-10.31	-0.77	0.0	-2.90e-05	-4.10e-04
4945	140	9.96	0.34	-0.90	0.0	2.74e-04	-5.47e-04
4945	156	6.49	9.29	-0.94	0.0	2.19e-04	5.65e-05
4945	161	-1.37	-11.56	-0.76	0.0	-3.67e-05	-4.61e-04
4945	172	9.79	0.34	-0.90	0.0	2.68e-04	-5.35e-04
4945	188	6.38	9.19	-0.94	0.0	2.15e-04	5.85e-05
4945	193	-1.31	-11.45	-0.76	0.0	-3.50e-05	-4.61e-04
4945	204	11.36	0.46	-0.91	0.0	3.06e-04	-6.19e-04
4945	220	7.37	10.76	-0.95	0.0	2.44e-04	7.44e-05
4945	225	-1.52	-13.29	-0.75	0.0	-4.47e-05	-5.45e-04
4946	4	0.32	0.45	-1.36	0.0	7.33e-05	-3.26e-06
4946	44	0.27	-1.66	-1.17	0.0	5.17e-05	-1.47e-05
4946	68	0.22	0.29	-0.95	0.0	5.06e-05	-2.62e-06
4946	88	0.19	-1.12	-0.82	0.0	3.62e-05	-1.02e-05
4946	98	0.18	-0.21	-0.77	0.0	3.66e-05	-6.58e-06
4946	105	0.17	-0.38	-0.73	0.0	3.39e-05	-6.95e-06
4946	107	0.17	-0.20	-0.73	0.0	3.46e-05	-6.29e-06
4946	113	7.52	-4.26	-0.73	0.0	6.48e-04	-4.39e-04
4946	124	4.88	7.07	-0.78	0.0	4.35e-04	4.73e-05
4946	129	-1.10	-8.63	-0.68	0.0	-8.69e-05	-3.63e-04
4946	145	8.44	-4.77	-0.74	0.0	7.25e-04	-4.94e-04
4946	156	5.47	7.98	-0.79	0.0	4.85e-04	5.45e-05
4946	161	-1.26	-9.69	-0.68	0.0	-1.02e-04	-4.09e-04
4946	177	8.29	-4.69	-0.73	0.0	7.05e-04	-4.83e-04
4946	188	5.37	7.89	-0.79	0.0	4.71e-04	5.67e-05
4946	193	-1.21	-9.60	-0.68	0.0	-1.00e-04	-4.10e-04
4946	209	9.62	-5.43	-0.73	0.0	8.11e-04	-5.61e-04
4946	220	6.21	9.22	-0.80	0.0	5.40e-04	7.07e-05
4946	225	-1.40	-11.17	-0.67	0.0	-1.20e-04	-4.86e-04
4947	4	0.36	0.42	-1.39	0.0	7.16e-05	-4.05e-06
4947	44	0.30	-1.76	-1.20	0.0	5.39e-05	-2.37e-05
4947	68	0.25	0.27	-0.97	0.0	4.95e-05	-3.40e-06
4947	88	0.21	-1.19	-0.84	0.0	3.77e-05	-1.65e-05
4947	98	0.20	-0.25	-0.78	0.0	3.69e-05	-1.01e-05
4947	105	0.19	-0.42	-0.74	0.0	3.43e-05	-1.09e-05
4947	107	0.19	-0.23	-0.74	0.0	3.49e-05	-9.66e-06
4947	113	7.84	-4.41	-0.75	0.0	5.82e-04	-4.56e-04
4947	124	5.10	7.28	-0.80	0.0	3.97e-04	4.89e-05

4947	129	-1.14	-8.93	-0.70	0.0	-7.66e-05	-3.80e-04
4947	145	8.81	-4.93	-0.75	0.0	6.51e-04	-5.12e-04
4947	156	5.72	8.22	-0.81	0.0	4.42e-04	5.67e-05
4947	161	-1.31	-10.02	-0.69	0.0	-9.06e-05	-4.28e-04
4947	177	8.64	-4.85	-0.75	0.0	6.32e-04	-5.00e-04
4947	188	5.60	8.12	-0.80	0.0	4.29e-04	5.90e-05
4947	193	-1.26	-9.93	-0.69	0.0	-8.87e-05	-4.29e-04
4947	209	10.03	-5.60	-0.75	0.0	7.27e-04	-5.79e-04
4947	220	6.48	9.50	-0.81	0.0	4.91e-04	7.41e-05
4947	225	-1.46	-11.55	-0.69	0.0	-1.07e-04	-5.07e-04
4948	4	0.39	0.40	-1.41	0.0	6.93e-05	-6.01e-06
4948	44	0.33	-1.86	-1.21	0.0	5.66e-05	-2.98e-05
4948	68	0.28	0.25	-0.98	0.0	4.80e-05	-4.92e-06
4948	88	0.23	-1.26	-0.85	0.0	3.95e-05	-2.08e-05
4948	98	0.22	-0.28	-0.79	0.0	3.71e-05	-1.29e-05
4948	105	0.21	-0.46	-0.75	0.0	3.48e-05	-1.39e-05
4948	107	0.21	-0.27	-0.75	0.0	3.51e-05	-1.24e-05
4948	113	8.13	-4.55	-0.76	0.0	4.93e-04	-4.68e-04
4948	124	5.30	7.48	-0.81	0.0	3.45e-04	4.98e-05
4948	129	-1.18	-9.23	-0.71	0.0	-6.31e-05	-3.94e-04
4948	145	9.12	-5.09	-0.76	0.0	5.50e-04	-5.26e-04
4948	156	5.93	8.45	-0.82	0.0	3.83e-04	5.81e-05
4948	161	-1.35	-10.36	-0.70	0.0	-7.54e-05	-4.43e-04
4948	177	8.95	-5.00	-0.76	0.0	5.35e-04	-5.13e-04
4948	188	5.81	8.36	-0.81	0.0	3.73e-04	6.05e-05
4948	193	-1.31	-10.26	-0.70	0.0	-7.37e-05	-4.43e-04
4948	209	10.38	-5.78	-0.76	0.0	6.15e-04	-5.94e-04
4948	220	6.72	9.78	-0.82	0.0	4.27e-04	7.64e-05
4948	225	-1.51	-11.93	-0.70	0.0	-8.94e-05	-5.24e-04
4949	4	0.43	0.37	-1.42	0.0	6.67e-05	-9.11e-06
4949	44	0.36	-1.95	-1.23	0.0	5.94e-05	-3.22e-05
4949	68	0.30	0.23	-0.99	0.0	4.62e-05	-7.18e-06
4949	88	0.25	-1.32	-0.86	0.0	4.13e-05	-2.25e-05
4949	98	0.24	-0.31	-0.80	0.0	3.73e-05	-1.48e-05
4949	105	0.23	-0.50	-0.76	0.0	3.53e-05	-1.56e-05
4949	107	0.23	-0.30	-0.76	0.0	3.52e-05	-1.42e-05
4949	113	8.36	-4.69	-0.77	0.0	3.96e-04	-4.78e-04
4949	124	5.46	7.69	-0.82	0.0	2.89e-04	4.99e-05
4949	129	-1.21	-9.52	-0.72	0.0	-4.89e-05	-4.03e-04
4949	145	9.38	-5.24	-0.77	0.0	4.42e-04	-5.36e-04
4949	156	6.12	8.69	-0.82	0.0	3.21e-04	5.85e-05
4949	161	-1.39	-10.68	-0.71	0.0	-5.94e-05	-4.53e-04
4949	177	9.20	-5.15	-0.77	0.0	4.30e-04	-5.23e-04
4949	188	5.99	8.59	-0.82	0.0	3.13e-04	6.08e-05
4949	193	-1.34	-10.58	-0.71	0.0	-5.79e-05	-4.53e-04
4949	209	10.67	-5.94	-0.77	0.0	4.93e-04	-6.05e-04
4949	220	6.93	10.05	-0.83	0.0	3.57e-04	7.72e-05
4949	225	-1.55	-12.30	-0.70	0.0	-7.13e-05	-5.35e-04
4950	4	0.32	0.46	-1.30	0.0	7.56e-05	2.03e-06
4950	28	0.30	-1.16	-1.30	0.0	5.40e-05	-1.36e-05
4950	44	0.26	-1.66	-1.13	0.0	4.07e-05	-1.57e-05
4950	68	0.22	0.29	-0.91	0.0	5.19e-05	0.0
4950	80	0.21	-0.79	-0.91	0.0	3.75e-05	-9.46e-06
4950	88	0.19	-1.12	-0.80	0.0	2.86e-05	-1.09e-05
4950	98	0.18	-0.21	-0.74	0.0	3.33e-05	-5.48e-06
4950	105	0.17	-0.38	-0.70	0.0	2.98e-05	-6.30e-06
4950	107	0.17	-0.20	-0.70	0.0	3.14e-05	-5.28e-06
4950	113	7.43	-4.26	-0.71	0.0	6.48e-04	-4.41e-04
4950	124	4.87	7.07	-0.73	0.0	4.42e-04	4.70e-05
4950	129	-1.16	-8.63	-0.69	0.0	-9.90e-05	-3.61e-04
4950	145	8.34	-4.77	-0.71	0.0	7.26e-04	-4.96e-04
4950	156	5.46	7.98	-0.73	0.0	4.93e-04	5.41e-05
4950	161	-1.32	-9.69	-0.69	0.0	-1.15e-04	-4.07e-04
4950	177	8.16	-4.69	-0.71	0.0	7.03e-04	-4.86e-04
4950	188	5.34	7.89	-0.73	0.0	4.78e-04	5.64e-05
4950	193	-1.28	-9.60	-0.69	0.0	-1.14e-04	-4.09e-04
4950	209	9.46	-5.43	-0.71	0.0	8.09e-04	-5.64e-04
4950	220	6.17	9.22	-0.73	0.0	5.47e-04	7.03e-05
4950	225	-1.48	-11.17	-0.68	0.0	-1.35e-04	-4.86e-04
4951	4	0.36	0.42	-1.33	0.0	7.18e-05	5.56e-06
4951	28	0.33	-1.25	-1.33	0.0	5.78e-05	-2.18e-05
4951	44	0.28	-1.76	-1.16	0.0	4.60e-05	-2.61e-05
4951	68	0.25	0.27	-0.93	0.0	4.94e-05	3.06e-06
4951	80	0.23	-0.85	-0.93	0.0	4.01e-05	-1.52e-05
4951	88	0.20	-1.19	-0.82	0.0	3.22e-05	-1.80e-05

4951	98	0.20	-0.25	-0.76	0.0	3.40e-05	-8.25e-06
4951	105	0.18	-0.42	-0.72	0.0	3.10e-05	-9.84e-06
4951	107	0.19	-0.23	-0.72	0.0	3.21e-05	-7.95e-06
4951	113	7.75	-4.41	-0.72	0.0	5.84e-04	-4.58e-04
4951	124	5.09	7.28	-0.74	0.0	4.02e-04	4.91e-05
4951	129	-1.21	-8.93	-0.70	0.0	-8.65e-05	-3.78e-04
4951	145	8.71	-4.93	-0.73	0.0	6.53e-04	-5.14e-04
4951	156	5.71	8.22	-0.74	0.0	4.49e-04	5.68e-05
4951	161	-1.38	-10.02	-0.70	0.0	-1.01e-04	-4.26e-04
4951	177	8.52	-4.85	-0.72	0.0	6.34e-04	-5.04e-04
4951	188	5.58	8.13	-0.74	0.0	4.35e-04	5.93e-05
4951	193	-1.34	-9.93	-0.70	0.0	-9.98e-05	-4.27e-04
4951	209	9.87	-5.60	-0.73	0.0	7.28e-04	-5.84e-04
4951	220	6.45	9.50	-0.75	0.0	4.98e-04	7.43e-05
4951	225	-1.55	-11.55	-0.70	0.0	-1.19e-04	-5.07e-04
4952	4	0.39	0.40	-1.35	0.0	6.73e-05	5.97e-06
4952	28	0.36	-1.34	-1.35	0.0	6.24e-05	-2.76e-05
4952	44	0.31	-1.86	-1.18	0.0	5.23e-05	-3.29e-05
4952	68	0.27	0.25	-0.94	0.0	4.64e-05	3.12e-06
4952	80	0.25	-0.91	-0.94	0.0	4.31e-05	-1.92e-05
4952	88	0.22	-1.26	-0.83	0.0	3.64e-05	-2.28e-05
4952	98	0.21	-0.28	-0.77	0.0	3.49e-05	-1.07e-05
4952	105	0.20	-0.46	-0.73	0.0	3.25e-05	-1.26e-05
4952	107	0.20	-0.27	-0.73	0.0	3.29e-05	-1.03e-05
4952	108	8.04	0.26	-0.74	0.0	4.98e-04	-4.68e-04
4952	124	5.29	7.48	-0.75	0.0	3.48e-04	5.08e-05
4952	129	-1.25	-9.23	-0.71	0.0	-6.98e-05	-3.92e-04
4952	140	9.03	0.33	-0.74	0.0	5.56e-04	-5.25e-04
4952	156	5.93	8.45	-0.75	0.0	3.88e-04	5.90e-05
4952	161	-1.43	-10.36	-0.71	0.0	-8.27e-05	-4.41e-04
4952	177	8.83	-5.00	-0.73	0.0	5.36e-04	-5.17e-04
4952	188	5.79	8.36	-0.75	0.0	3.77e-04	6.16e-05
4952	193	-1.39	-10.26	-0.71	0.0	-8.13e-05	-4.42e-04
4952	209	10.23	-5.78	-0.74	0.0	6.15e-04	-5.99e-04
4952	220	6.69	9.78	-0.75	0.0	4.31e-04	7.74e-05
4952	225	-1.61	-11.93	-0.71	0.0	-9.81e-05	-5.24e-04
4953	4	0.43	0.37	-1.36	0.0	6.26e-05	2.76e-06
4953	28	0.40	-1.42	-1.36	0.0	6.72e-05	-3.03e-05
4953	44	0.34	-1.95	-1.19	0.0	5.90e-05	-3.53e-05
4953	68	0.30	0.23	-0.95	0.0	4.33e-05	0.0
4953	80	0.28	-0.97	-0.95	0.0	4.64e-05	-2.12e-05
4953	88	0.24	-1.32	-0.84	0.0	4.09e-05	-2.46e-05
4953	98	0.23	-0.31	-0.77	0.0	3.58e-05	-1.26e-05
4953	105	0.22	-0.50	-0.74	0.0	3.40e-05	-1.45e-05
4953	107	0.22	-0.30	-0.74	0.0	3.37e-05	-1.22e-05
4953	108	8.27	0.27	-0.75	0.0	4.00e-04	-4.77e-04
4953	124	5.46	7.69	-0.76	0.0	2.89e-04	5.10e-05
4953	129	-1.28	-9.52	-0.72	0.0	-5.20e-05	-4.01e-04
4953	140	9.29	0.33	-0.75	0.0	4.46e-04	-5.36e-04
4953	156	6.11	8.69	-0.76	0.0	3.21e-04	5.94e-05
4953	161	-1.47	-10.68	-0.72	0.0	-6.27e-05	-4.51e-04
4953	172	9.08	0.34	-0.75	0.0	4.34e-04	-5.23e-04
4953	188	5.97	8.59	-0.76	0.0	3.13e-04	6.19e-05
4953	193	-1.43	-10.58	-0.72	0.0	-6.14e-05	-4.52e-04
4953	204	10.52	0.44	-0.75	0.0	4.97e-04	-6.06e-04
4953	220	6.90	10.05	-0.76	0.0	3.57e-04	7.82e-05
4953	225	-1.65	-12.30	-0.71	0.0	-7.53e-05	-5.35e-04
4954	4	0.32	0.46	-1.33	0.0	8.21e-05	7.11e-06
4954	28	0.30	-1.16	-1.35	0.0	4.56e-05	-1.35e-05
4954	44	0.25	-1.66	-1.18	0.0	2.93e-05	-1.70e-05
4954	68	0.22	0.29	-0.93	0.0	5.60e-05	4.34e-06
4954	80	0.21	-0.79	-0.94	0.0	3.17e-05	-9.38e-06
4954	88	0.18	-1.12	-0.83	0.0	2.08e-05	-1.18e-05
4954	98	0.18	-0.21	-0.77	0.0	3.10e-05	-4.57e-06
4954	105	0.17	-0.38	-0.73	0.0	2.65e-05	-5.83e-06
4954	107	0.17	-0.20	-0.73	0.0	2.92e-05	-4.44e-06
4954	113	7.34	-4.26	-0.75	0.0	6.55e-04	-4.43e-04
4954	129	-1.21	-8.63	-0.76	0.0	-1.12e-04	-3.60e-04
4954	133	4.86	-8.02	-0.76	0.0	4.32e-04	4.28e-05
4954	145	8.24	-4.77	-0.75	0.0	7.33e-04	-4.98e-04
4954	161	-1.39	-9.69	-0.77	0.0	-1.29e-04	-4.06e-04
4954	165	5.45	-9.00	-0.77	0.0	4.82e-04	4.93e-05
4954	177	8.04	-4.69	-0.75	0.0	7.09e-04	-4.89e-04
4954	193	-1.35	-9.60	-0.77	0.0	-1.28e-04	-4.08e-04
4954	197	5.32	-8.83	-0.77	0.0	4.66e-04	5.17e-05

4954	209	9.31	-5.43	-0.75	0.0	8.14e-04	-5.69e-04
4954	225	-1.56	-11.17	-0.77	0.0	-1.52e-04	-4.85e-04
4954	233	5.53	-10.30	-0.77	0.0	4.67e-04	4.34e-05
4955	4	0.36	0.42	-1.35	0.0	7.53e-05	1.51e-05
4955	28	0.32	-1.25	-1.37	0.0	5.08e-05	-2.20e-05
4955	44	0.27	-1.76	-1.20	0.0	3.70e-05	-2.91e-05
4955	68	0.25	0.27	-0.94	0.0	5.15e-05	9.48e-06
4955	80	0.22	-0.85	-0.96	0.0	3.52e-05	-1.53e-05
4955	88	0.19	-1.19	-0.84	0.0	2.59e-05	-2.00e-05
4955	98	0.19	-0.25	-0.78	0.0	3.17e-05	-6.67e-06
4955	105	0.18	-0.42	-0.74	0.0	2.80e-05	-9.11e-06
4955	107	0.18	-0.23	-0.74	0.0	2.98e-05	-6.50e-06
4955	108	7.67	0.26	-0.74	0.0	5.94e-04	-4.57e-04
4955	129	-1.27	-8.93	-0.77	0.0	-9.70e-05	-3.77e-04
4955	133	5.08	-8.30	-0.77	0.0	3.93e-04	4.22e-05
4955	140	8.62	0.32	-0.74	0.0	6.65e-04	-5.14e-04
4955	161	-1.45	-10.02	-0.78	0.0	-1.13e-04	-4.25e-04
4955	165	5.69	-9.30	-0.78	0.0	4.38e-04	4.89e-05
4955	172	8.40	0.33	-0.74	0.0	6.43e-04	-5.03e-04
4955	193	-1.42	-9.93	-0.78	0.0	-1.12e-04	-4.27e-04
4955	197	5.55	-9.13	-0.78	0.0	4.24e-04	5.10e-05
4955	204	9.72	0.42	-0.74	0.0	7.39e-04	-5.84e-04
4955	225	-1.64	-11.55	-0.78	0.0	-1.33e-04	-5.07e-04
4955	233	5.77	-10.65	-0.78	0.0	4.28e-04	4.27e-05
4956	4	0.40	0.40	-1.37	0.0	6.64e-05	1.80e-05
4956	28	0.35	-1.34	-1.38	0.0	5.81e-05	-2.81e-05
4956	44	0.29	-1.86	-1.21	0.0	4.75e-05	-3.70e-05
4956	68	0.28	0.25	-0.96	0.0	4.56e-05	1.12e-05
4956	80	0.24	-0.91	-0.97	0.0	4.01e-05	-1.96e-05
4956	88	0.21	-1.26	-0.85	0.0	3.30e-05	-2.55e-05
4956	98	0.21	-0.28	-0.79	0.0	3.28e-05	-8.78e-06
4956	105	0.19	-0.46	-0.75	0.0	3.02e-05	-1.18e-05
4956	107	0.20	-0.27	-0.75	0.0	3.08e-05	-8.56e-06
4956	108	7.96	0.26	-0.75	0.0	5.01e-04	-4.69e-04
4956	129	-1.32	-9.23	-0.78	0.0	-7.68e-05	-3.91e-04
4956	133	5.27	-8.57	-0.78	0.0	3.38e-04	4.17e-05
4956	140	8.94	0.33	-0.75	0.0	5.60e-04	-5.27e-04
4956	161	-1.51	-10.36	-0.79	0.0	-9.04e-05	-4.41e-04
4956	165	5.91	-9.60	-0.79	0.0	3.76e-04	4.86e-05
4956	172	8.72	0.33	-0.75	0.0	5.42e-04	-5.16e-04
4956	193	-1.47	-10.26	-0.79	0.0	-8.92e-05	-4.42e-04
4956	197	5.76	-9.43	-0.79	0.0	3.65e-04	5.06e-05
4956	204	10.08	0.43	-0.75	0.0	6.22e-04	-5.98e-04
4956	225	-1.70	-11.93	-0.79	0.0	-1.07e-04	-5.24e-04
4956	233	5.98	-10.99	-0.80	0.0	3.74e-04	4.22e-05
4957	4	0.43	0.37	-1.38	0.0	5.71e-05	1.48e-05
4957	28	0.38	-1.42	-1.40	0.0	6.60e-05	-3.09e-05
4957	44	0.32	-1.95	-1.23	0.0	5.90e-05	-3.95e-05
4957	68	0.30	0.23	-0.97	0.0	3.95e-05	8.85e-06
4957	80	0.27	-0.97	-0.98	0.0	4.54e-05	-2.16e-05
4957	88	0.23	-1.32	-0.86	0.0	4.07e-05	-2.73e-05
4957	98	0.23	-0.31	-0.79	0.0	3.40e-05	-1.07e-05
4957	105	0.21	-0.50	-0.76	0.0	3.27e-05	-1.37e-05
4957	107	0.21	-0.30	-0.75	0.0	3.20e-05	-1.05e-05
4957	108	8.20	0.27	-0.76	0.0	3.99e-04	-4.79e-04
4957	129	-1.35	-9.52	-0.79	0.0	-5.51e-05	-4.01e-04
4957	133	5.43	-8.84	-0.79	0.0	2.78e-04	4.17e-05
4957	140	9.20	0.33	-0.76	0.0	4.45e-04	-5.38e-04
4957	161	-1.55	-10.68	-0.80	0.0	-6.60e-05	-4.51e-04
4957	165	6.09	-9.90	-0.80	0.0	3.08e-04	4.87e-05
4957	172	8.97	0.34	-0.76	0.0	4.32e-04	-5.26e-04
4957	193	-1.51	-10.58	-0.80	0.0	-6.49e-05	-4.52e-04
4957	197	5.94	-9.72	-0.80	0.0	3.00e-04	5.08e-05
4957	204	10.37	0.44	-0.76	0.0	4.95e-04	-6.09e-04
4957	225	-1.75	-12.30	-0.80	0.0	-7.93e-05	-5.36e-04
4957	233	6.16	-11.33	-0.80	0.0	3.14e-04	4.23e-05
4958	4	0.33	0.46	-1.40	0.0	9.37e-05	1.17e-05
4958	28	0.29	-1.16	-1.43	0.0	3.65e-05	-1.34e-05
4958	44	0.24	-1.66	-1.26	0.0	1.56e-05	-1.83e-05
4958	68	0.23	0.29	-0.98	0.0	6.35e-05	7.43e-06
4958	80	0.20	-0.79	-1.00	0.0	2.54e-05	-9.34e-06
4958	88	0.17	-1.12	-0.89	0.0	1.14e-05	-1.26e-05
4958	98	0.17	-0.21	-0.81	0.0	2.93e-05	-3.80e-06
4958	105	0.16	-0.38	-0.78	0.0	2.32e-05	-5.46e-06
4958	107	0.16	-0.20	-0.77	0.0	2.75e-05	-3.74e-06

4958	108	7.26	0.27	-0.77	0.0	6.79e-04	-4.44e-04
4958	129	-1.27	-8.63	-0.87	0.0	-1.26e-04	-3.59e-04
4958	140	8.15	0.32	-0.77	0.0	7.60e-04	-4.99e-04
4958	161	-1.45	-9.69	-0.89	0.0	-1.46e-04	-4.05e-04
4958	172	7.93	0.32	-0.77	0.0	7.33e-04	-4.91e-04
4958	193	-1.42	-9.60	-0.89	0.0	-1.45e-04	-4.08e-04
4958	204	9.17	0.41	-0.76	0.0	8.41e-04	-5.71e-04
4958	225	-1.65	-11.17	-0.90	0.0	-1.72e-04	-4.85e-04
4959	4	0.37	0.42	-1.42	0.0	8.23e-05	2.38e-05
4959	28	0.31	-1.25	-1.46	0.0	4.34e-05	-2.20e-05
4959	44	0.25	-1.76	-1.29	0.0	2.64e-05	-3.15e-05
4959	68	0.26	0.27	-0.99	0.0	5.59e-05	1.53e-05
4959	80	0.22	-0.85	-1.02	0.0	3.00e-05	-1.53e-05
4959	88	0.18	-1.19	-0.90	0.0	1.87e-05	-2.16e-05
4959	98	0.19	-0.24	-0.83	0.0	2.98e-05	-5.23e-06
4959	103	0.19	-0.05	-0.78	0.0	3.37e-05	1.73e-06
4959	105	0.18	-0.42	-0.79	0.0	2.51e-05	-8.44e-06
4959	107	0.18	-0.23	-0.79	0.0	2.80e-05	-5.19e-06
4959	108	7.60	0.26	-0.78	0.0	6.05e-04	-4.58e-04
4959	129	-1.33	-8.93	-0.89	0.0	-1.09e-04	-3.77e-04
4959	140	8.54	0.32	-0.78	0.0	6.77e-04	-5.15e-04
4959	161	-1.52	-10.03	-0.90	0.0	-1.26e-04	-4.25e-04
4959	172	8.30	0.33	-0.78	0.0	6.53e-04	-5.05e-04
4959	193	-1.49	-9.93	-0.90	0.0	-1.25e-04	-4.28e-04
4959	204	9.59	0.42	-0.78	0.0	7.49e-04	-5.87e-04
4959	225	-1.73	-11.56	-0.92	0.0	-1.48e-04	-5.08e-04
4960	4	0.41	0.40	-1.44	0.0	6.67e-05	2.90e-05
4960	28	0.33	-1.34	-1.47	0.0	5.35e-05	-2.82e-05
4960	44	0.27	-1.86	-1.30	0.0	4.20e-05	-4.02e-05
4960	68	0.29	0.25	-1.01	0.0	4.56e-05	1.85e-05
4960	80	0.23	-0.91	-1.03	0.0	3.68e-05	-1.96e-05
4960	88	0.19	-1.26	-0.92	0.0	2.91e-05	-2.77e-05
4960	98	0.20	-0.28	-0.84	0.0	3.08e-05	-7.00e-06
4960	103	0.21	-0.07	-0.79	0.0	3.08e-05	1.68e-06
4960	105	0.19	-0.46	-0.80	0.0	2.79e-05	-1.10e-05
4960	107	0.19	-0.27	-0.80	0.0	2.89e-05	-6.94e-06
4960	108	7.90	0.26	-0.79	0.0	5.05e-04	-4.70e-04
4960	129	-1.38	-9.23	-0.90	0.0	-8.41e-05	-3.92e-04
4960	140	8.86	0.33	-0.79	0.0	5.64e-04	-5.28e-04
4960	161	-1.58	-10.36	-0.92	0.0	-9.84e-05	-4.41e-04
4960	172	8.62	0.33	-0.79	0.0	5.45e-04	-5.17e-04
4960	193	-1.55	-10.26	-0.92	0.0	-9.75e-05	-4.43e-04
4960	204	9.95	0.43	-0.79	0.0	6.25e-04	-6.01e-04
4960	225	-1.80	-11.93	-0.94	0.0	-1.17e-04	-5.26e-04
4961	4	0.44	0.37	-1.46	0.0	5.03e-05	2.58e-05
4961	28	0.36	-1.42	-1.49	0.0	6.49e-05	-3.11e-05
4961	44	0.30	-1.95	-1.32	0.0	5.93e-05	-4.28e-05
4961	68	0.31	0.23	-1.02	0.0	3.48e-05	1.62e-05
4961	80	0.25	-0.97	-1.04	0.0	4.45e-05	-2.17e-05
4961	88	0.21	-1.32	-0.93	0.0	4.08e-05	-2.96e-05
4961	98	0.22	-0.31	-0.85	0.0	3.21e-05	-8.96e-06
4961	103	0.22	-0.10	-0.80	0.0	2.79e-05	0.0
4961	105	0.20	-0.50	-0.81	0.0	3.12e-05	-1.29e-05
4961	107	0.21	-0.30	-0.80	0.0	3.01e-05	-8.85e-06
4961	108	8.13	0.27	-0.80	0.0	3.98e-04	-4.79e-04
4961	129	-1.42	-9.52	-0.91	0.0	-5.79e-05	-4.01e-04
4961	140	9.12	0.33	-0.80	0.0	4.44e-04	-5.39e-04
4961	161	-1.63	-10.68	-0.93	0.0	-6.90e-05	-4.52e-04
4961	172	8.87	0.34	-0.80	0.0	4.30e-04	-5.27e-04
4961	193	-1.60	-10.58	-0.93	0.0	-6.82e-05	-4.53e-04
4961	204	10.24	0.44	-0.79	0.0	4.93e-04	-6.11e-04
4961	225	-1.86	-12.30	-0.95	0.0	-8.29e-05	-5.37e-04
4962	4	0.33	0.46	-1.52	0.0	1.10e-04	1.46e-05
4962	28	0.28	-1.16	-1.58	0.0	2.74e-05	-1.25e-05
4962	44	0.23	-1.66	-1.40	0.0	0.0	-1.81e-05
4962	68	0.23	0.29	-1.07	0.0	7.39e-05	9.29e-06
4962	80	0.20	-0.79	-1.10	0.0	1.91e-05	-8.75e-06
4962	88	0.17	-1.12	-0.99	0.0	1.30e-06	-1.25e-05
4962	98	0.17	-0.21	-0.90	0.0	2.83e-05	-3.09e-06
4962	105	0.16	-0.38	-0.86	0.0	2.04e-05	-4.97e-06
4962	107	0.16	-0.20	-0.85	0.0	2.65e-05	-3.10e-06
4962	108	7.19	0.27	-0.83	0.0	6.97e-04	-4.44e-04
4962	129	-1.32	-8.63	-1.05	0.0	-1.42e-04	-3.59e-04
4962	140	8.08	0.32	-0.83	0.0	7.81e-04	-5.00e-04
4962	161	-1.51	-9.69	-1.07	0.0	-1.63e-04	-4.05e-04

4962	172	7.83	0.32	-0.83	0.0	7.51e-04	-4.92e-04
4962	193	-1.49	-9.60	-1.07	0.0	-1.63e-04	-4.08e-04
4962	204	9.03	0.41	-0.83	0.0	8.61e-04	-5.73e-04
4962	225	-1.73	-11.18	-1.11	0.0	-1.93e-04	-4.85e-04
4963	18	0.39	1.04	-1.33	0.0	1.09e-04	5.13e-05
4963	28	0.30	-1.25	-1.60	0.0	3.58e-05	-2.02e-05
4963	44	0.24	-1.76	-1.43	0.0	1.49e-05	-3.13e-05
4963	75	0.27	0.67	-0.94	0.0	7.35e-05	3.36e-05
4963	80	0.21	-0.85	-1.12	0.0	2.48e-05	-1.41e-05
4963	88	0.17	-1.19	-1.01	0.0	1.08e-05	-2.15e-05
4963	98	0.19	-0.24	-0.91	0.0	2.84e-05	-3.82e-06
4963	103	0.19	-0.05	-0.86	0.0	3.49e-05	3.56e-06
4963	105	0.17	-0.42	-0.87	0.0	2.23e-05	-7.45e-06
4963	107	0.18	-0.23	-0.87	0.0	2.65e-05	-3.92e-06
4963	108	7.54	0.26	-0.85	0.0	6.17e-04	-4.58e-04
4963	129	-1.40	-8.93	-1.07	0.0	-1.21e-04	-3.78e-04
4963	140	8.47	0.32	-0.85	0.0	6.90e-04	-5.15e-04
4963	161	-1.59	-10.03	-1.10	0.0	-1.39e-04	-4.26e-04
4963	172	8.21	0.33	-0.85	0.0	6.65e-04	-5.06e-04
4963	193	-1.57	-9.93	-1.09	0.0	-1.39e-04	-4.28e-04
4963	204	9.47	0.42	-0.84	0.0	7.62e-04	-5.88e-04
4963	225	-1.83	-11.56	-1.13	0.0	-1.65e-04	-5.09e-04
4964	18	0.44	1.03	-1.35	0.0	6.84e-05	6.39e-05
4964	28	0.32	-1.34	-1.62	0.0	4.88e-05	-2.59e-05
4964	44	0.25	-1.86	-1.45	0.0	3.61e-05	-3.99e-05
4964	75	0.30	0.67	-0.95	0.0	4.65e-05	4.17e-05
4964	80	0.22	-0.91	-1.14	0.0	3.35e-05	-1.81e-05
4964	88	0.18	-1.26	-1.02	0.0	2.50e-05	-2.74e-05
4964	98	0.20	-0.28	-0.92	0.0	2.89e-05	-5.10e-06
4964	103	0.21	-0.07	-0.87	0.0	2.99e-05	4.14e-06
4964	105	0.18	-0.46	-0.89	0.0	2.56e-05	-9.69e-06
4964	107	0.19	-0.27	-0.88	0.0	2.71e-05	-5.21e-06
4964	108	7.84	0.26	-0.86	0.0	5.09e-04	-4.70e-04
4964	129	-1.45	-9.23	-1.09	0.0	-9.16e-05	-3.92e-04
4964	140	8.80	0.33	-0.86	0.0	5.70e-04	-5.28e-04
4964	161	-1.66	-10.36	-1.12	0.0	-1.07e-04	-4.42e-04
4964	172	8.53	0.33	-0.86	0.0	5.49e-04	-5.18e-04
4964	193	-1.64	-10.26	-1.11	0.0	-1.06e-04	-4.44e-04
4964	204	9.83	0.43	-0.85	0.0	6.30e-04	-6.01e-04
4964	225	-1.90	-11.93	-1.15	0.0	-1.27e-04	-5.27e-04
4965	18	0.46	1.03	-1.36	0.0	2.44e-05	6.12e-05
4965	28	0.35	-1.42	-1.64	0.0	6.37e-05	-2.86e-05
4965	44	0.27	-1.96	-1.47	0.0	6.00e-05	-4.23e-05
4965	75	0.32	0.67	-0.97	0.0	1.73e-05	3.98e-05
4965	80	0.24	-0.97	-1.15	0.0	4.36e-05	-2.01e-05
4965	88	0.19	-1.32	-1.03	0.0	4.11e-05	-2.92e-05
4965	98	0.22	-0.31	-0.93	0.0	2.99e-05	-6.90e-06
4965	103	0.22	-0.10	-0.88	0.0	2.49e-05	2.36e-06
4965	105	0.20	-0.50	-0.90	0.0	2.96e-05	-1.14e-05
4965	107	0.21	-0.30	-0.89	0.0	2.81e-05	-6.97e-06
4965	108	8.07	0.27	-0.87	0.0	3.97e-04	-4.79e-04
4965	129	-1.49	-9.52	-1.10	0.0	-6.05e-05	-4.02e-04
4965	140	9.06	0.33	-0.87	0.0	4.43e-04	-5.38e-04
4965	161	-1.70	-10.68	-1.13	0.0	-7.17e-05	-4.53e-04
4965	172	8.78	0.34	-0.87	0.0	4.28e-04	-5.27e-04
4965	193	-1.68	-10.58	-1.13	0.0	-7.11e-05	-4.55e-04
4965	204	10.12	0.44	-0.86	0.0	4.90e-04	-6.12e-04
4965	225	-1.96	-12.30	-1.17	0.0	-8.61e-05	-5.39e-04
4966	4	0.34	0.46	-1.71	0.0	1.28e-04	1.30e-05
4966	28	0.27	-1.16	-1.80	0.0	1.97e-05	-9.96e-06
4966	44	0.22	-1.66	-1.62	0.0	-1.34e-05	-1.50e-05
4966	68	0.24	0.29	-1.20	0.0	8.56e-05	8.18e-06
4966	80	0.19	-0.79	-1.26	0.0	1.37e-05	-7.10e-06
4966	88	0.16	-1.12	-1.14	0.0	-8.35e-06	-1.05e-05
4966	98	0.17	-0.21	-1.02	0.0	2.81e-05	-2.63e-06
4966	103	0.17	-0.02	-0.97	0.0	4.20e-05	0.0
4966	105	0.16	-0.38	-0.99	0.0	1.81e-05	-4.27e-06
4966	107	0.16	-0.20	-0.98	0.0	2.61e-05	-2.71e-06
4966	108	7.13	0.27	-0.94	0.0	7.15e-04	-4.44e-04
4966	129	-1.38	-8.63	-1.33	0.0	-1.57e-04	-3.58e-04
4966	140	8.01	0.32	-0.94	0.0	8.02e-04	-5.00e-04
4966	161	-1.57	-9.69	-1.37	0.0	-1.81e-04	-4.04e-04
4966	172	7.74	0.32	-0.94	0.0	7.69e-04	-4.92e-04
4966	193	-1.56	-9.60	-1.37	0.0	-1.81e-04	-4.07e-04
4966	204	8.91	0.41	-0.93	0.0	8.81e-04	-5.73e-04

4966	225	-1.81	-11.18	-1.43	0.0	-2.14e-04	-4.85e-04
4967	18	0.42	1.04	-1.49	0.0	1.28e-04	4.58e-05
4967	28	0.29	-1.25	-1.83	0.0	2.93e-05	-1.50e-05
4967	44	0.22	-1.76	-1.65	0.0	3.90e-06	-2.51e-05
4967	75	0.29	0.67	-1.06	0.0	8.63e-05	2.98e-05
4967	80	0.20	-0.85	-1.29	0.0	2.02e-05	-1.07e-05
4967	88	0.16	-1.19	-1.16	0.0	3.26e-06	-1.74e-05
4967	98	0.18	-0.24	-1.04	0.0	2.75e-05	-2.50e-06
4967	103	0.19	-0.05	-0.98	0.0	3.67e-05	3.68e-06
4967	105	0.17	-0.42	-1.00	0.0	2.01e-05	-5.77e-06
4967	107	0.18	-0.23	-0.99	0.0	2.56e-05	-2.75e-06
4967	108	7.49	0.26	-0.96	0.0	6.30e-04	-4.57e-04
4967	129	-1.46	-8.93	-1.35	0.0	-1.33e-04	-3.77e-04
4967	140	8.41	0.32	-0.95	0.0	7.05e-04	-5.15e-04
4967	161	-1.66	-10.03	-1.40	0.0	-1.53e-04	-4.25e-04
4967	172	8.13	0.33	-0.95	0.0	6.77e-04	-5.05e-04
4967	193	-1.65	-9.93	-1.39	0.0	-1.53e-04	-4.27e-04
4967	204	9.36	0.42	-0.95	0.0	7.76e-04	-5.88e-04
4967	225	-1.92	-11.56	-1.46	0.0	-1.82e-04	-5.08e-04
4968	18	0.48	1.03	-1.51	0.0	7.36e-05	5.83e-05
4968	28	0.30	-1.34	-1.86	0.0	4.46e-05	-1.83e-05
4968	44	0.22	-1.86	-1.67	0.0	3.05e-05	-3.14e-05
4968	75	0.33	0.67	-1.07	0.0	4.99e-05	3.80e-05
4968	80	0.21	-0.91	-1.30	0.0	3.05e-05	-1.31e-05
4968	88	0.16	-1.26	-1.18	0.0	2.11e-05	-2.18e-05
4968	98	0.20	-0.28	-1.05	0.0	2.74e-05	-2.80e-06
4968	103	0.21	-0.07	-1.00	0.0	2.94e-05	4.97e-06
4968	105	0.18	-0.46	-1.02	0.0	2.36e-05	-6.98e-06
4968	107	0.19	-0.27	-1.01	0.0	2.56e-05	-3.13e-06
4968	108	7.80	0.26	-0.97	0.0	5.16e-04	-4.68e-04
4968	129	-1.52	-9.23	-1.38	0.0	-9.93e-05	-3.92e-04
4968	140	8.75	0.33	-0.97	0.0	5.77e-04	-5.27e-04
4968	161	-1.73	-10.36	-1.42	0.0	-1.15e-04	-4.42e-04
4968	172	8.45	0.33	-0.97	0.0	5.55e-04	-5.16e-04
4968	193	-1.72	-10.26	-1.42	0.0	-1.15e-04	-4.44e-04
4968	204	9.73	0.43	-0.96	0.0	6.36e-04	-6.00e-04
4968	225	-2.01	-11.93	-1.49	0.0	-1.37e-04	-5.27e-04
4969	18	0.50	1.03	-1.53	0.0	1.35e-05	5.68e-05
4969	28	0.33	-1.42	-1.88	0.0	6.25e-05	-2.01e-05
4969	44	0.25	-1.96	-1.69	0.0	6.07e-05	-3.31e-05
4969	75	0.34	0.67	-1.09	0.0	9.92e-06	3.68e-05
4969	80	0.23	-0.97	-1.32	0.0	4.26e-05	-1.44e-05
4969	88	0.18	-1.32	-1.19	0.0	4.14e-05	-2.30e-05
4969	98	0.21	-0.31	-1.07	0.0	2.77e-05	-4.04e-06
4969	103	0.22	-0.10	-1.01	0.0	2.17e-05	3.77e-06
4969	105	0.19	-0.50	-1.03	0.0	2.80e-05	-8.21e-06
4969	107	0.20	-0.30	-1.02	0.0	2.60e-05	-4.35e-06
4969	108	8.03	0.26	-0.98	0.0	3.97e-04	-4.77e-04
4969	129	-1.56	-9.52	-1.39	0.0	-6.33e-05	-4.03e-04
4969	140	9.02	0.33	-0.98	0.0	4.43e-04	-5.37e-04
4969	161	-1.78	-10.68	-1.44	0.0	-7.45e-05	-4.54e-04
4969	172	8.71	0.34	-0.98	0.0	4.28e-04	-5.26e-04
4969	193	-1.77	-10.58	-1.44	0.0	-7.41e-05	-4.55e-04
4969	204	10.02	0.44	-0.97	0.0	4.90e-04	-6.10e-04
4969	225	-2.06	-12.30	-1.51	0.0	-8.94e-05	-5.40e-04
4970	4	0.35	0.46	-2.01	0.0	1.43e-04	2.90e-06
4970	28	0.27	-1.16	-2.14	0.0	1.53e-05	-5.34e-06
4970	44	0.22	-1.66	-1.94	0.0	-2.32e-05	-7.33e-06
4970	68	0.24	0.29	-1.41	0.0	9.58e-05	1.36e-06
4970	80	0.19	-0.79	-1.50	0.0	1.06e-05	-4.14e-06
4970	88	0.15	-1.12	-1.37	0.0	-1.51e-05	-5.46e-06
4970	98	0.17	-0.21	-1.22	0.0	2.85e-05	-3.02e-06
4970	103	0.17	-0.02	-1.15	0.0	4.52e-05	-1.78e-06
4970	105	0.16	-0.38	-1.18	0.0	1.68e-05	-3.61e-06
4970	107	0.16	-0.20	-1.16	0.0	2.63e-05	-3.15e-06
4970	108	7.09	0.27	-1.11	0.0	7.36e-04	-4.44e-04
4970	129	-1.43	-8.63	-1.75	0.0	-1.72e-04	-3.54e-04
4970	140	7.96	0.32	-1.10	0.0	8.25e-04	-4.99e-04
4970	161	-1.63	-9.69	-1.82	0.0	-1.98e-04	-4.00e-04
4970	172	7.66	0.32	-1.10	0.0	7.89e-04	-4.92e-04
4970	193	-1.62	-9.60	-1.82	0.0	-1.99e-04	-4.03e-04
4970	204	8.81	0.41	-1.09	0.0	9.03e-04	-5.73e-04
4970	225	-1.89	-11.18	-1.92	0.0	-2.35e-04	-4.80e-04
4971	18	0.45	1.04	-1.73	0.0	1.46e-04	1.80e-05
4971	28	0.28	-1.25	-2.17	0.0	2.58e-05	-3.94e-06

4971	44	0.21	-1.76	-1.96	0.0	-3.46e-06	-8.86e-06
4971	75	0.31	0.67	-1.23	0.0	9.74e-05	1.12e-05
4971	80	0.20	-0.85	-1.52	0.0	1.77e-05	-3.41e-06
4971	88	0.15	-1.19	-1.39	0.0	-1.87e-06	-6.69e-06
4971	98	0.18	-0.24	-1.23	0.0	2.77e-05	-1.60e-06
4971	103	0.20	-0.05	-1.16	0.0	3.88e-05	0.0
4971	105	0.16	-0.42	-1.19	0.0	1.89e-05	-3.05e-06
4971	107	0.17	-0.23	-1.18	0.0	2.56e-05	-1.99e-06
4971	108	7.46	0.26	-1.12	0.0	6.47e-04	-4.55e-04
4971	129	-1.52	-8.94	-1.78	0.0	-1.45e-04	-3.71e-04
4971	140	8.37	0.32	-1.11	0.0	7.24e-04	-5.12e-04
4971	161	-1.73	-10.03	-1.85	0.0	-1.67e-04	-4.19e-04
4971	172	8.06	0.33	-1.11	0.0	6.94e-04	-5.03e-04
4971	193	-1.72	-9.94	-1.84	0.0	-1.68e-04	-4.21e-04
4971	204	9.27	0.41	-1.10	0.0	7.94e-04	-5.86e-04
4971	225	-2.01	-11.56	-1.95	0.0	-1.99e-04	-5.01e-04
4972	18	0.51	1.03	-1.75	0.0	7.91e-05	2.67e-05
4972	28	0.30	-1.34	-2.19	0.0	4.23e-05	-1.46e-06
4972	44	0.21	-1.86	-1.98	0.0	2.68e-05	-8.39e-06
4972	75	0.35	0.67	-1.25	0.0	5.33e-05	1.70e-05
4972	80	0.21	-0.91	-1.54	0.0	2.88e-05	-1.83e-06
4972	88	0.15	-1.26	-1.40	0.0	1.85e-05	-6.45e-06
4972	98	0.20	-0.28	-1.25	0.0	2.68e-05	0.0
4972	103	0.21	-0.07	-1.17	0.0	2.95e-05	2.85e-06
4972	105	0.17	-0.46	-1.20	0.0	2.25e-05	-1.83e-06
4972	107	0.19	-0.27	-1.19	0.0	2.49e-05	0.0
4972	108	7.77	0.26	-1.13	0.0	5.28e-04	-4.65e-04
4972	129	-1.58	-9.23	-1.80	0.0	-1.08e-04	-3.89e-04
4972	140	8.72	0.33	-1.12	0.0	5.91e-04	-5.24e-04
4972	161	-1.81	-10.36	-1.87	0.0	-1.24e-04	-4.39e-04
4972	172	8.39	0.33	-1.12	0.0	5.67e-04	-5.13e-04
4972	193	-1.80	-10.26	-1.86	0.0	-1.25e-04	-4.40e-04
4972	204	9.65	0.43	-1.11	0.0	6.49e-04	-5.97e-04
4972	225	-2.10	-11.93	-1.97	0.0	-1.48e-04	-5.22e-04
4973	18	0.53	1.03	-1.77	0.0	4.77e-06	2.79e-05
4973	28	0.32	-1.42	-2.21	0.0	6.11e-05	-1.17e-06
4973	44	0.23	-1.96	-2.00	0.0	6.09e-05	-8.41e-06
4973	75	0.36	0.67	-1.26	0.0	3.96e-06	1.77e-05
4973	80	0.23	-0.97	-1.55	0.0	4.15e-05	-1.69e-06
4973	88	0.17	-1.33	-1.41	0.0	4.14e-05	-6.52e-06
4973	98	0.21	-0.31	-1.26	0.0	2.58e-05	0.0
4973	103	0.23	-0.10	-1.18	0.0	1.91e-05	2.96e-06
4973	105	0.19	-0.50	-1.21	0.0	2.66e-05	-1.88e-06
4973	107	0.20	-0.30	-1.20	0.0	2.41e-05	0.0
4973	108	8.01	0.26	-1.14	0.0	4.01e-04	-4.75e-04
4973	129	-1.63	-9.52	-1.81	0.0	-6.71e-05	-4.03e-04
4973	140	8.99	0.33	-1.13	0.0	4.48e-04	-5.34e-04
4973	161	-1.86	-10.68	-1.89	0.0	-7.87e-05	-4.54e-04
4973	172	8.66	0.34	-1.13	0.0	4.32e-04	-5.22e-04
4973	193	-1.85	-10.58	-1.88	0.0	-7.85e-05	-4.54e-04
4973	204	9.94	0.44	-1.12	0.0	4.94e-04	-6.07e-04
4973	225	-2.17	-12.30	-1.99	0.0	-9.44e-05	-5.39e-04
4974	4	0.46	0.34	-1.43	0.0	6.44e-05	-1.29e-05
4974	44	0.39	-2.04	-1.24	0.0	6.14e-05	-3.08e-05
4974	68	0.32	0.21	-1.00	0.0	4.47e-05	-9.82e-06
4974	88	0.27	-1.38	-0.87	0.0	4.27e-05	-2.17e-05
4974	98	0.26	-0.34	-0.81	0.0	3.72e-05	-1.55e-05
4974	105	0.24	-0.53	-0.77	0.0	3.55e-05	-1.61e-05
4974	107	0.25	-0.33	-0.77	0.0	3.52e-05	-1.50e-05
4974	108	8.53	0.27	-0.80	0.0	3.20e-04	-4.82e-04
4974	124	5.59	7.88	-0.82	0.0	2.41e-04	4.94e-05
4974	129	-1.23	-9.80	-0.72	0.0	-3.69e-05	-4.08e-04
4974	140	9.57	0.34	-0.81	0.0	3.55e-04	-5.40e-04
4974	156	6.26	8.90	-0.83	0.0	2.67e-04	5.80e-05
4974	161	-1.41	-10.98	-0.72	0.0	-4.58e-05	-4.58e-04
4974	177	9.39	-5.29	-0.78	0.0	3.40e-04	-5.29e-04
4974	188	6.13	8.80	-0.83	0.0	2.61e-04	6.02e-05
4974	193	-1.37	-10.88	-0.72	0.0	-4.43e-05	-4.58e-04
4974	209	10.89	-6.10	-0.78	0.0	3.88e-04	-6.12e-04
4974	220	7.09	10.31	-0.84	0.0	2.97e-04	7.66e-05
4974	225	-1.58	-12.65	-0.71	0.0	-5.57e-05	-5.42e-04
4975	4	0.49	0.31	-1.45	0.0	6.26e-05	-1.70e-05
4975	44	0.42	-2.13	-1.26	0.0	6.27e-05	-2.64e-05
4975	68	0.34	0.18	-1.01	0.0	4.34e-05	-1.26e-05
4975	88	0.29	-1.44	-0.89	0.0	4.35e-05	-1.89e-05

4975	98	0.28	-0.37	-0.82	0.0	3.71e-05	-1.54e-05
4975	105	0.26	-0.57	-0.78	0.0	3.56e-05	-1.55e-05
4975	107	0.26	-0.36	-0.78	0.0	3.51e-05	-1.49e-05
4975	108	8.67	0.27	-0.81	0.0	2.60e-04	-4.86e-04
4975	124	5.70	8.06	-0.83	0.0	2.06e-04	4.85e-05
4975	129	-1.24	-10.06	-0.73	0.0	-2.82e-05	-4.10e-04
4975	140	9.73	0.34	-0.82	0.0	2.88e-04	-5.45e-04
4975	156	6.38	9.11	-0.84	0.0	2.28e-04	5.70e-05
4975	161	-1.43	-11.28	-0.73	0.0	-3.60e-05	-4.60e-04
4975	172	9.54	0.35	-0.81	0.0	2.82e-04	-5.32e-04
4975	188	6.25	9.01	-0.84	0.0	2.23e-04	5.92e-05
4975	193	-1.38	-11.17	-0.73	0.0	-3.45e-05	-4.61e-04
4975	204	11.05	0.46	-0.82	0.0	3.21e-04	-6.16e-04
4975	220	7.22	10.55	-0.85	0.0	2.53e-04	7.53e-05
4975	225	-1.60	-12.98	-0.72	0.0	-4.43e-05	-5.44e-04
4976	4	0.52	0.26	-1.49	0.0	6.16e-05	-2.06e-05
4976	44	0.45	-2.22	-1.29	0.0	6.32e-05	-2.10e-05
4976	68	0.37	0.15	-1.04	0.0	4.28e-05	-1.51e-05
4976	88	0.32	-1.51	-0.91	0.0	4.39e-05	-1.54e-05
4976	98	0.30	-0.41	-0.84	0.0	3.70e-05	-1.47e-05
4976	105	0.28	-0.61	-0.79	0.0	3.56e-05	-1.43e-05
4976	107	0.28	-0.40	-0.80	0.0	3.50e-05	-1.43e-05
4976	108	8.78	0.26	-0.83	0.0	2.37e-04	-4.88e-04
4976	124	5.79	8.21	-0.85	0.0	1.93e-04	4.79e-05
4976	129	-1.26	-10.31	-0.75	0.0	-2.49e-05	-4.10e-04
4976	140	9.85	0.33	-0.83	0.0	2.63e-04	-5.47e-04
4976	156	6.48	9.29	-0.86	0.0	2.13e-04	5.63e-05
4976	161	-1.44	-11.56	-0.75	0.0	-3.23e-05	-4.61e-04
4976	172	9.66	0.34	-0.83	0.0	2.57e-04	-5.35e-04
4976	188	6.35	9.19	-0.85	0.0	2.09e-04	5.83e-05
4976	193	-1.40	-11.45	-0.75	0.0	-3.08e-05	-4.61e-04
4976	204	11.19	0.46	-0.84	0.0	2.93e-04	-6.19e-04
4976	220	7.33	10.76	-0.86	0.0	2.37e-04	7.42e-05
4976	225	-1.62	-13.30	-0.74	0.0	-4.01e-05	-5.44e-04
4977	4	0.46	0.34	-1.37	0.0	5.87e-05	-3.36e-06
4977	28	0.43	-1.50	-1.37	0.0	7.12e-05	-2.98e-05
4977	44	0.37	-2.04	-1.20	0.0	6.45e-05	-3.33e-05
4977	68	0.32	0.20	-0.96	0.0	4.07e-05	-3.42e-06
4977	80	0.30	-1.02	-0.96	0.0	4.91e-05	-2.11e-05
4977	88	0.26	-1.38	-0.84	0.0	4.46e-05	-2.34e-05
4977	98	0.25	-0.34	-0.78	0.0	3.65e-05	-1.38e-05
4977	105	0.24	-0.53	-0.74	0.0	3.53e-05	-1.52e-05
4977	107	0.24	-0.33	-0.74	0.0	3.44e-05	-1.34e-05
4977	108	8.45	0.27	-0.76	0.0	3.16e-04	-4.83e-04
4977	124	5.58	7.88	-0.76	0.0	2.39e-04	5.00e-05
4977	129	-1.30	-9.80	-0.72	0.0	-3.67e-05	-4.06e-04
4977	140	9.48	0.34	-0.76	0.0	3.51e-04	-5.42e-04
4977	156	6.25	8.90	-0.77	0.0	2.64e-04	5.85e-05
4977	161	-1.49	-10.98	-0.72	0.0	-4.56e-05	-4.57e-04
4977	172	9.27	0.34	-0.76	0.0	3.42e-04	-5.30e-04
4977	188	6.11	8.80	-0.77	0.0	2.58e-04	6.09e-05
4977	193	-1.45	-10.88	-0.72	0.0	-4.43e-05	-4.58e-04
4977	204	10.73	0.45	-0.76	0.0	3.92e-04	-6.14e-04
4977	220	7.06	10.31	-0.77	0.0	2.94e-04	7.72e-05
4977	225	-1.68	-12.65	-0.72	0.0	-5.57e-05	-5.41e-04
4978	4	0.49	0.31	-1.39	0.0	5.60e-05	-1.15e-05
4978	28	0.47	-1.58	-1.39	0.0	7.40e-05	-2.68e-05
4978	44	0.40	-2.13	-1.21	0.0	6.85e-05	-2.79e-05
4978	68	0.34	0.18	-0.97	0.0	3.90e-05	-8.97e-06
4978	80	0.33	-1.08	-0.97	0.0	5.10e-05	-1.92e-05
4978	88	0.28	-1.45	-0.85	0.0	4.73e-05	-1.99e-05
4978	98	0.27	-0.38	-0.79	0.0	3.71e-05	-1.44e-05
4978	105	0.25	-0.57	-0.75	0.0	3.63e-05	-1.50e-05
4978	107	0.26	-0.36	-0.75	0.0	3.50e-05	-1.40e-05
4978	108	8.58	0.26	-0.76	0.0	2.56e-04	-4.87e-04
4978	124	5.69	8.05	-0.77	0.0	2.03e-04	4.83e-05
4978	129	-1.32	-10.06	-0.73	0.0	-2.59e-05	-4.09e-04
4978	140	9.63	0.34	-0.77	0.0	2.84e-04	-5.47e-04
4978	156	6.37	9.11	-0.78	0.0	2.24e-04	5.67e-05
4978	161	-1.51	-11.28	-0.73	0.0	-3.34e-05	-4.59e-04
4978	172	9.41	0.35	-0.77	0.0	2.78e-04	-5.35e-04
4978	188	6.22	9.01	-0.77	0.0	2.19e-04	5.90e-05
4978	193	-1.47	-11.17	-0.73	0.0	-3.21e-05	-4.60e-04
4978	204	10.90	0.46	-0.77	0.0	3.16e-04	-6.19e-04
4978	220	7.18	10.55	-0.78	0.0	2.49e-04	7.50e-05

4978	225	-1.70	-12.98	-0.72	0.0	-4.17e-05	-5.44e-04
4979	4	0.51	0.26	-1.41	1.86e-04	-1.21e-05	-2.13e-05
4979	44	0.44	-2.22	-1.24	2.23e-04	6.78e-05	-1.98e-05
4979	68	0.36	0.15	-0.99	1.34e-04	-7.28e-06	-1.56e-05
4979	88	0.31	-1.51	-0.87	1.59e-04	4.60e-05	-1.46e-05
4979	98	0.29	-0.41	-0.80	1.29e-04	1.84e-05	-1.46e-05
4979	105	0.27	-0.61	-0.76	1.29e-04	2.25e-05	-1.41e-05
4979	107	0.27	-0.40	-0.76	1.25e-04	1.74e-05	-1.42e-05
4979	108	8.69	0.25	-0.78	4.34e-05	1.47e-04	-4.91e-04
4979	124	5.78	8.21	-0.79	-5.11e-05	1.07e-04	4.58e-05
4979	129	-1.32	-10.32	-0.74	3.01e-04	-5.88e-06	-4.09e-04
4979	140	9.75	0.33	-0.78	3.33e-05	1.63e-04	-5.51e-04
4979	156	6.47	9.29	-0.79	-7.30e-05	1.18e-04	5.39e-05
4979	161	-1.52	-11.56	-0.73	3.23e-04	-8.73e-06	-4.59e-04
4979	172	9.54	0.34	-0.78	3.57e-05	1.60e-04	-5.40e-04
4979	188	6.32	9.19	-0.79	-7.01e-05	1.16e-04	5.61e-05
4979	193	-1.48	-11.45	-0.73	3.20e-04	-8.00e-06	-4.60e-04
4979	204	11.04	0.46	-0.78	2.15e-05	1.84e-04	-6.25e-04
4979	220	7.29	10.76	-0.79	-1.02e-04	1.32e-04	7.16e-05
4979	225	-1.72	-13.30	-0.73	3.53e-04	-1.13e-05	-5.44e-04
4980	4	0.46	0.34	-1.40	0.0	4.95e-05	6.30e-06
4980	28	0.42	-1.50	-1.42	0.0	7.29e-05	-3.04e-05
4980	44	0.35	-2.04	-1.25	0.0	6.88e-05	-3.67e-05
4980	68	0.32	0.20	-0.98	0.0	3.45e-05	3.04e-06
4980	80	0.29	-1.02	-0.99	0.0	5.01e-05	-2.14e-05
4980	88	0.25	-1.38	-0.88	0.0	4.73e-05	-2.56e-05
4980	98	0.24	-0.34	-0.80	0.0	3.52e-05	-1.23e-05
4980	105	0.23	-0.53	-0.76	0.0	3.49e-05	-1.46e-05
4980	107	0.23	-0.33	-0.76	0.0	3.31e-05	-1.20e-05
4980	108	8.37	0.27	-0.76	0.0	3.12e-04	-4.85e-04
4980	129	-1.37	-9.80	-0.80	0.0	-3.64e-05	-4.06e-04
4980	133	5.56	-9.09	-0.80	0.0	2.27e-04	4.23e-05
4980	140	9.39	0.34	-0.76	0.0	3.47e-04	-5.44e-04
4980	161	-1.57	-10.98	-0.81	0.0	-4.51e-05	-4.56e-04
4980	165	6.22	-10.18	-0.81	0.0	2.51e-04	4.96e-05
4980	172	9.16	0.34	-0.76	0.0	3.38e-04	-5.32e-04
4980	193	-1.54	-10.88	-0.81	0.0	-4.41e-05	-4.58e-04
4980	197	6.07	-9.99	-0.81	0.0	2.45e-04	5.18e-05
4980	204	10.59	0.45	-0.76	0.0	3.86e-04	-6.17e-04
4980	225	-1.79	-12.65	-0.81	0.0	-5.53e-05	-5.42e-04
4980	233	6.30	-11.64	-0.81	0.0	2.64e-04	4.32e-05
4981	4	0.48	0.30	-1.42	0.0	4.43e-05	-6.10e-06
4981	28	0.45	-1.58	-1.44	0.0	7.79e-05	-2.72e-05
4981	44	0.39	-2.13	-1.27	0.0	7.58e-05	-2.99e-05
4981	68	0.33	0.18	-0.99	0.0	3.11e-05	-5.36e-06
4981	80	0.32	-1.08	-1.00	0.0	5.35e-05	-1.94e-05
4981	88	0.27	-1.45	-0.89	0.0	5.20e-05	-2.12e-05
4981	98	0.26	-0.38	-0.81	0.0	3.61e-05	-1.36e-05
4981	105	0.25	-0.57	-0.78	0.0	3.65e-05	-1.47e-05
4981	107	0.25	-0.36	-0.77	0.0	3.40e-05	-1.33e-05
4981	108	8.50	0.26	-0.77	0.0	2.51e-04	-4.89e-04
4981	129	-1.39	-10.06	-0.81	0.0	-2.33e-05	-4.08e-04
4981	133	5.66	-9.33	-0.81	0.0	1.91e-04	4.37e-05
4981	140	9.54	0.34	-0.77	0.0	2.78e-04	-5.49e-04
4981	161	-1.59	-11.28	-0.82	0.0	-3.04e-05	-4.58e-04
4981	165	6.33	-10.45	-0.82	0.0	2.10e-04	5.14e-05
4981	172	9.30	0.35	-0.78	0.0	2.71e-04	-5.37e-04
4981	193	-1.55	-11.17	-0.82	0.0	-2.93e-05	-4.59e-04
4981	197	6.18	-10.26	-0.82	0.0	2.06e-04	5.38e-05
4981	204	10.75	0.46	-0.78	0.0	3.09e-04	-6.22e-04
4981	225	-1.81	-12.98	-0.82	0.0	-3.83e-05	-5.44e-04
4981	233	6.42	-11.94	-0.83	0.0	2.28e-04	4.52e-05
4982	4	0.50	0.26	-1.46	1.99e-04	-1.21e-05	-2.18e-05
4982	28	0.50	-1.66	-1.47	2.44e-04	5.71e-05	-2.20e-05
4982	44	0.43	-2.22	-1.30	2.37e-04	6.78e-05	-1.99e-05
4982	68	0.35	0.15	-1.02	1.44e-04	-7.28e-06	-1.59e-05
4982	80	0.35	-1.14	-1.03	1.73e-04	3.89e-05	-1.60e-05
4982	88	0.30	-1.51	-0.92	1.69e-04	4.60e-05	-1.47e-05
4982	98	0.28	-0.41	-0.83	1.38e-04	1.84e-05	-1.48e-05
4982	105	0.27	-0.61	-0.79	1.38e-04	2.25e-05	-1.43e-05
4982	107	0.27	-0.40	-0.79	1.33e-04	1.74e-05	-1.44e-05
4982	108	8.61	0.25	-0.79	1.14e-04	1.47e-04	-4.92e-04
4982	129	-1.39	-10.32	-0.83	3.23e-04	-5.88e-06	-4.08e-04
4982	133	5.74	-9.57	-0.83	3.05e-04	1.25e-04	4.53e-05
4982	140	9.66	0.33	-0.79	1.11e-04	1.63e-04	-5.52e-04

4982	161	-1.60	-11.56	-0.84	3.47e-04	-8.73e-06	-4.59e-04
4982	165	6.42	-10.71	-0.84	3.26e-04	1.39e-04	5.34e-05
4982	172	9.42	0.34	-0.79	1.10e-04	1.60e-04	-5.41e-04
4982	193	-1.56	-11.45	-0.84	3.44e-04	-8.00e-06	-4.60e-04
4982	197	6.27	-10.52	-0.84	3.22e-04	1.37e-04	5.60e-05
4982	204	10.88	0.46	-0.79	1.06e-04	1.84e-04	-6.27e-04
4982	225	-1.82	-13.30	-0.84	3.79e-04	-1.13e-05	-5.44e-04
4982	233	6.52	-12.24	-0.84	3.54e-04	1.55e-04	4.75e-05
4983	4	0.46	0.34	-1.47	0.0	3.67e-05	1.52e-05
4983	28	0.40	-1.50	-1.51	0.0	7.49e-05	-3.05e-05
4983	44	0.33	-2.04	-1.34	0.0	7.43e-05	-3.94e-05
4983	68	0.32	0.20	-1.03	0.0	2.58e-05	8.97e-06
4983	80	0.28	-1.02	-1.06	0.0	5.12e-05	-2.15e-05
4983	88	0.23	-1.39	-0.94	0.0	5.08e-05	-2.74e-05
4983	98	0.24	-0.34	-0.85	0.0	3.33e-05	-1.09e-05
4983	105	0.22	-0.53	-0.82	0.0	3.41e-05	-1.40e-05
4983	107	0.23	-0.33	-0.81	0.0	3.13e-05	-1.07e-05
4983	108	8.30	0.27	-0.81	0.0	3.07e-04	-4.86e-04
4983	129	-1.44	-9.80	-0.93	0.0	-3.56e-05	-4.06e-04
4983	140	9.32	0.34	-0.80	0.0	3.42e-04	-5.45e-04
4983	161	-1.65	-10.98	-0.94	0.0	-4.39e-05	-4.57e-04
4983	172	9.06	0.34	-0.80	0.0	3.32e-04	-5.34e-04
4983	193	-1.62	-10.88	-0.94	0.0	-4.31e-05	-4.58e-04
4983	204	10.45	0.45	-0.80	0.0	3.79e-04	-6.19e-04
4983	225	-1.89	-12.65	-0.96	0.0	-5.40e-05	-5.43e-04
4984	4	0.48	0.30	-1.49	0.0	2.73e-05	-1.09e-06
4984	28	0.44	-1.58	-1.53	0.0	8.21e-05	-2.73e-05
4984	44	0.37	-2.13	-1.36	0.0	8.50e-05	-3.15e-05
4984	68	0.33	0.18	-1.05	0.0	1.96e-05	-2.02e-06
4984	80	0.31	-1.08	-1.07	0.0	5.61e-05	-1.95e-05
4984	88	0.26	-1.45	-0.96	0.0	5.80e-05	-2.23e-05
4984	98	0.25	-0.38	-0.87	0.0	3.43e-05	-1.29e-05
4984	105	0.24	-0.57	-0.83	0.0	3.63e-05	-1.44e-05
4984	107	0.24	-0.36	-0.83	0.0	3.23e-05	-1.26e-05
4984	108	8.43	0.26	-0.82	0.0	2.42e-04	-4.90e-04
4984	129	-1.46	-10.06	-0.94	0.0	-1.96e-05	-4.07e-04
4984	140	9.46	0.34	-0.82	0.0	2.68e-04	-5.50e-04
4984	161	-1.67	-11.28	-0.95	0.0	-2.60e-05	-4.58e-04
4984	172	9.19	0.34	-0.82	0.0	2.61e-04	-5.39e-04
4984	193	-1.64	-11.17	-0.95	0.0	-2.51e-05	-4.59e-04
4984	204	10.61	0.46	-0.81	0.0	2.98e-04	-6.24e-04
4984	225	-1.91	-12.98	-0.97	0.0	-3.33e-05	-5.44e-04
4985	4	0.49	0.26	-1.53	2.50e-04	-1.21e-05	-2.24e-05
4985	28	0.48	-1.67	-1.57	3.01e-04	5.71e-05	-2.22e-05
4985	44	0.42	-2.23	-1.40	2.90e-04	6.78e-05	-2.01e-05
4985	68	0.34	0.14	-1.08	1.80e-04	-7.28e-06	-1.63e-05
4985	80	0.34	-1.14	-1.10	2.14e-04	3.89e-05	-1.62e-05
4985	88	0.29	-1.51	-0.99	2.07e-04	4.60e-05	-1.48e-05
4985	98	0.27	-0.42	-0.89	1.72e-04	1.84e-05	-1.50e-05
4985	105	0.26	-0.61	-0.85	1.71e-04	2.25e-05	-1.45e-05
4985	107	0.26	-0.40	-0.85	1.66e-04	1.74e-05	-1.46e-05
4985	108	8.53	0.25	-0.84	1.42e-04	1.47e-04	-4.93e-04
4985	129	-1.46	-10.32	-0.96	3.95e-04	-5.88e-06	-4.07e-04
4985	140	9.57	0.33	-0.84	1.39e-04	1.63e-04	-5.53e-04
4985	161	-1.67	-11.56	-0.97	4.24e-04	-8.73e-06	-4.57e-04
4985	172	9.30	0.34	-0.84	1.38e-04	1.60e-04	-5.43e-04
4985	193	-1.64	-11.46	-0.97	4.21e-04	-8.00e-06	-4.59e-04
4985	204	10.74	0.46	-0.84	1.33e-04	1.84e-04	-6.29e-04
4985	225	-1.92	-13.30	-0.99	4.63e-04	-1.13e-05	-5.43e-04
4986	4	0.48	0.34	-1.60	0.0	2.09e-05	2.16e-05
4986	28	0.38	-1.50	-1.66	0.0	7.69e-05	-2.83e-05
4986	44	0.31	-2.04	-1.48	0.0	8.07e-05	-3.88e-05
4986	68	0.33	0.20	-1.12	0.0	1.51e-05	1.32e-05
4986	80	0.27	-1.02	-1.16	0.0	5.24e-05	-2.00e-05
4986	88	0.22	-1.39	-1.05	0.0	5.50e-05	-2.70e-05
4986	98	0.23	-0.34	-0.94	0.0	3.10e-05	-9.12e-06
4986	103	0.23	-0.12	-0.89	0.0	2.08e-05	-1.56e-06
4986	105	0.21	-0.53	-0.91	0.0	3.32e-05	-1.26e-05
4986	107	0.22	-0.33	-0.90	0.0	2.91e-05	-9.09e-06
4986	108	8.24	0.26	-0.88	0.0	3.01e-04	-4.85e-04
4986	129	-1.51	-9.80	-1.12	0.0	-3.42e-05	-4.07e-04
4986	140	9.25	0.34	-0.88	0.0	3.36e-04	-5.45e-04
4986	161	-1.73	-10.98	-1.14	0.0	-4.21e-05	-4.58e-04
4986	172	8.96	0.34	-0.88	0.0	3.26e-04	-5.34e-04
4986	193	-1.71	-10.88	-1.14	0.0	-4.14e-05	-4.59e-04

4986	204	10.33	0.45	-0.87	0.0	3.72e-04	-6.19e-04
4986	225	-1.99	-12.65	-1.18	0.0	-5.18e-05	-5.44e-04
4987	4	0.48	0.30	-1.62	0.0	5.83e-06	2.65e-06
4987	28	0.42	-1.58	-1.69	0.0	8.63e-05	-2.59e-05
4987	44	0.35	-2.13	-1.51	0.0	9.55e-05	-3.11e-05
4987	68	0.33	0.18	-1.14	0.0	5.13e-06	0.0
4987	80	0.30	-1.08	-1.18	0.0	5.88e-05	-1.86e-05
4987	88	0.25	-1.45	-1.06	0.0	6.49e-05	-2.20e-05
4987	98	0.25	-0.38	-0.96	0.0	3.18e-05	-1.18e-05
4987	105	0.23	-0.57	-0.92	0.0	3.59e-05	-1.36e-05
4987	107	0.23	-0.36	-0.91	0.0	2.99e-05	-1.16e-05
4987	108	8.37	0.26	-0.89	0.0	2.33e-04	-4.90e-04
4987	129	-1.52	-10.06	-1.13	0.0	-1.54e-05	-4.08e-04
4987	140	9.39	0.34	-0.89	0.0	2.59e-04	-5.50e-04
4987	161	-1.74	-11.28	-1.16	0.0	-2.11e-05	-4.59e-04
4987	172	9.10	0.34	-0.89	0.0	2.53e-04	-5.39e-04
4987	193	-1.72	-11.17	-1.16	0.0	-2.03e-05	-4.60e-04
4987	204	10.49	0.46	-0.88	0.0	2.88e-04	-6.25e-04
4987	225	-2.01	-12.98	-1.20	0.0	-2.74e-05	-5.45e-04
4988	4	0.48	0.26	-1.67	3.26e-04	-1.21e-05	-2.25e-05
4988	28	0.47	-1.67	-1.73	3.87e-04	5.71e-05	-2.24e-05
4988	44	0.41	-2.23	-1.55	3.70e-04	6.78e-05	-2.02e-05
4988	68	0.33	0.14	-1.17	2.34e-04	-7.28e-06	-1.65e-05
4988	80	0.33	-1.14	-1.21	2.75e-04	3.89e-05	-1.63e-05
4988	88	0.29	-1.51	-1.09	2.64e-04	4.60e-05	-1.49e-05
4988	98	0.26	-0.42	-0.98	2.22e-04	1.84e-05	-1.51e-05
4988	105	0.25	-0.61	-0.94	2.20e-04	2.25e-05	-1.46e-05
4988	107	0.25	-0.40	-0.93	2.13e-04	1.74e-05	-1.48e-05
4988	108	8.46	0.25	-0.91	1.83e-04	1.47e-04	-4.93e-04
4988	129	-1.53	-10.32	-1.16	5.10e-04	-5.88e-06	-4.07e-04
4988	140	9.50	0.33	-0.91	1.79e-04	1.63e-04	-5.53e-04
4988	161	-1.75	-11.57	-1.18	5.47e-04	-8.73e-06	-4.57e-04
4988	172	9.20	0.34	-0.91	1.78e-04	1.60e-04	-5.43e-04
4988	193	-1.73	-11.46	-1.18	5.43e-04	-8.00e-06	-4.59e-04
4988	204	10.61	0.46	-0.91	1.72e-04	1.84e-04	-6.29e-04
4988	225	-2.02	-13.31	-1.22	5.98e-04	-1.13e-05	-5.43e-04
4989	18	0.49	1.02	-1.55	0.0	-3.76e-05	4.13e-05
4989	28	0.37	-1.50	-1.90	0.0	7.80e-05	-2.09e-05
4989	44	0.29	-2.05	-1.71	0.0	8.67e-05	-3.09e-05
4989	75	0.34	0.66	-1.10	0.0	-2.40e-05	2.64e-05
4989	80	0.26	-1.02	-1.33	0.0	5.30e-05	-1.51e-05
4989	88	0.20	-1.39	-1.20	0.0	5.88e-05	-2.17e-05
4989	98	0.23	-0.34	-1.08	0.0	2.81e-05	-6.51e-06
4989	103	0.23	-0.12	-1.02	0.0	1.53e-05	0.0
4989	105	0.21	-0.53	-1.04	0.0	3.19e-05	-9.75e-06
4989	107	0.22	-0.33	-1.03	0.0	2.64e-05	-6.68e-06
4989	108	8.20	0.26	-0.99	0.0	2.96e-04	-4.84e-04
4989	129	-1.58	-9.80	-1.41	0.0	-3.27e-05	-4.08e-04
4989	140	9.20	0.34	-0.99	0.0	3.30e-04	-5.44e-04
4989	161	-1.81	-10.98	-1.46	0.0	-4.02e-05	-4.60e-04
4989	172	8.89	0.34	-0.99	0.0	3.20e-04	-5.33e-04
4989	193	-1.79	-10.88	-1.45	0.0	-3.96e-05	-4.61e-04
4989	204	10.23	0.45	-0.98	0.0	3.66e-04	-6.18e-04
4989	225	-2.10	-12.65	-1.52	0.0	-4.93e-05	-5.46e-04
4990	4	0.48	0.30	-1.83	0.0	-1.84e-05	3.29e-06
4990	28	0.41	-1.58	-1.92	0.0	8.89e-05	-2.15e-05
4990	44	0.34	-2.14	-1.73	0.0	1.05e-04	-2.63e-05
4990	68	0.33	0.18	-1.29	0.0	-1.12e-05	0.0
4990	80	0.29	-1.08	-1.35	0.0	6.03e-05	-1.56e-05
4990	88	0.24	-1.45	-1.22	0.0	7.11e-05	-1.88e-05
4990	98	0.24	-0.38	-1.09	0.0	2.83e-05	-1.02e-05
4990	105	0.22	-0.57	-1.05	0.0	3.45e-05	-1.18e-05
4990	107	0.23	-0.36	-1.04	0.0	2.66e-05	-1.01e-05
4990	108	8.32	0.26	-1.00	0.0	2.24e-04	-4.89e-04
4990	129	-1.59	-10.06	-1.43	0.0	-1.12e-05	-4.09e-04
4990	140	9.34	0.34	-1.00	0.0	2.49e-04	-5.50e-04
4990	161	-1.82	-11.28	-1.47	0.0	-1.60e-05	-4.60e-04
4990	172	9.02	0.34	-1.00	0.0	2.42e-04	-5.38e-04
4990	193	-1.80	-11.17	-1.47	0.0	-1.53e-05	-4.61e-04
4990	204	10.38	0.46	-0.99	0.0	2.77e-04	-6.24e-04
4990	225	-2.11	-12.98	-1.54	0.0	-2.11e-05	-5.46e-04
4991	4	0.47	0.25	-1.87	4.07e-04	-1.21e-05	-2.23e-05
4991	28	0.46	-1.67	-1.97	4.80e-04	5.71e-05	-2.20e-05
4991	44	0.40	-2.23	-1.78	4.59e-04	6.78e-05	-1.98e-05
4991	68	0.32	0.14	-1.32	2.92e-04	-7.28e-06	-1.62e-05

4991	80	0.32	-1.14	-1.38	3.41e-04	3.89e-05	-1.61e-05
4991	88	0.28	-1.51	-1.25	3.27e-04	4.60e-05	-1.46e-05
4991	98	0.26	-0.42	-1.11	2.76e-04	1.84e-05	-1.49e-05
4991	105	0.24	-0.61	-1.07	2.74e-04	2.25e-05	-1.43e-05
4991	107	0.24	-0.40	-1.06	2.66e-04	1.74e-05	-1.45e-05
4991	108	8.41	0.25	-1.03	2.26e-04	1.47e-04	-4.93e-04
4991	129	-1.59	-10.32	-1.45	6.48e-04	-5.88e-06	-4.06e-04
4991	140	9.44	0.33	-1.02	2.22e-04	1.63e-04	-5.53e-04
4991	161	-1.82	-11.57	-1.50	6.96e-04	-8.73e-06	-4.57e-04
4991	172	9.12	0.34	-1.02	2.20e-04	1.60e-04	-5.43e-04
4991	193	-1.81	-11.46	-1.50	6.90e-04	-8.00e-06	-4.58e-04
4991	204	10.49	0.46	-1.01	2.12e-04	1.84e-04	-6.29e-04
4991	225	-2.11	-13.31	-1.57	7.60e-04	-1.13e-05	-5.43e-04
4992	18	0.51	1.02	-1.78	0.0	-5.93e-05	1.89e-05
4992	28	0.36	-1.50	-2.23	0.0	7.66e-05	-5.15e-06
4992	44	0.27	-2.05	-2.02	0.0	8.96e-05	-1.06e-05
4992	75	0.35	0.66	-1.27	0.0	-3.86e-05	1.16e-05
4992	80	0.25	-1.02	-1.56	0.0	5.20e-05	-4.44e-06
4992	88	0.19	-1.39	-1.42	0.0	6.06e-05	-8.08e-06
4992	98	0.22	-0.34	-1.26	0.0	2.47e-05	-2.71e-06
4992	103	0.23	-0.12	-1.19	0.0	9.93e-06	0.0
4992	105	0.20	-0.53	-1.22	0.0	2.98e-05	-4.31e-06
4992	107	0.21	-0.33	-1.21	0.0	2.32e-05	-3.13e-06
4992	108	8.18	0.26	-1.15	0.0	2.90e-04	-4.82e-04
4992	129	-1.65	-9.80	-1.83	0.0	-3.21e-05	-4.10e-04
4992	140	9.18	0.34	-1.14	0.0	3.24e-04	-5.43e-04
4992	161	-1.89	-10.98	-1.90	0.0	-3.90e-05	-4.62e-04
4992	172	8.84	0.34	-1.14	0.0	3.13e-04	-5.30e-04
4992	193	-1.88	-10.88	-1.90	0.0	-3.85e-05	-4.62e-04
4992	204	10.15	0.45	-1.13	0.0	3.59e-04	-6.15e-04
4992	225	-2.20	-12.65	-2.01	0.0	-4.76e-05	-5.47e-04
4993	4	0.48	0.30	-2.11	0.0	-4.16e-05	-2.45e-06
4993	28	0.40	-1.58	-2.25	0.0	8.71e-05	-1.23e-05
4993	44	0.32	-2.14	-2.04	0.0	1.09e-04	-1.44e-05
4993	68	0.33	0.18	-1.49	0.0	-2.68e-05	-2.81e-06
4993	80	0.28	-1.08	-1.58	0.0	5.90e-05	-9.37e-06
4993	88	0.23	-1.45	-1.44	0.0	7.39e-05	-1.08e-05
4993	98	0.24	-0.38	-1.28	0.0	2.36e-05	-7.93e-06
4993	103	0.24	-0.15	-1.20	0.0	3.16e-06	-6.41e-06
4993	105	0.22	-0.57	-1.24	0.0	3.17e-05	-8.60e-06
4993	107	0.22	-0.36	-1.22	0.0	2.22e-05	-8.01e-06
4993	108	8.29	0.26	-1.16	0.0	1.64e-04	-4.88e-04
4993	129	-1.66	-10.06	-1.84	0.0	1.42e-04	-4.10e-04
4993	140	9.30	0.34	-1.15	0.0	1.82e-04	-5.49e-04
4993	161	-1.90	-11.28	-1.92	0.0	1.56e-04	-4.61e-04
4993	172	8.96	0.34	-1.15	0.0	1.78e-04	-5.37e-04
4993	193	-1.89	-11.17	-1.91	0.0	1.52e-04	-4.62e-04
4993	204	10.29	0.46	-1.14	0.0	2.03e-04	-6.22e-04
4993	225	-2.21	-12.98	-2.03	0.0	1.73e-04	-5.47e-04
4994	4	0.45	0.25	-2.15	4.70e-04	-1.21e-05	-2.22e-05
4994	28	0.45	-1.67	-2.29	5.56e-04	5.71e-05	-2.19e-05
4994	44	0.39	-2.23	-2.08	5.31e-04	6.78e-05	-1.96e-05
4994	68	0.31	0.14	-1.51	3.38e-04	-7.28e-06	-1.62e-05
4994	80	0.31	-1.14	-1.61	3.95e-04	3.89e-05	-1.60e-05
4994	88	0.27	-1.52	-1.47	3.79e-04	4.60e-05	-1.45e-05
4994	98	0.25	-0.42	-1.30	3.21e-04	1.84e-05	-1.48e-05
4994	105	0.23	-0.62	-1.26	3.19e-04	2.25e-05	-1.42e-05
4994	107	0.23	-0.40	-1.24	3.09e-04	1.74e-05	-1.44e-05
4994	108	8.37	0.25	-1.18	9.18e-05	1.47e-04	-4.93e-04
4994	129	-1.65	-10.33	-1.87	7.80e-04	-5.88e-06	-4.06e-04
4994	140	9.39	0.33	-1.17	6.46e-05	1.63e-04	-5.53e-04
4994	161	-1.89	-11.57	-1.94	8.39e-04	-8.73e-06	-4.57e-04
4994	172	9.04	0.34	-1.17	7.04e-05	1.60e-04	-5.43e-04
4994	193	-1.88	-11.46	-1.93	8.32e-04	-8.00e-06	-4.58e-04
4994	204	10.39	0.46	-1.16	3.22e-05	1.84e-04	-6.29e-04
4994	225	-2.21	-13.31	-2.05	9.18e-04	-1.13e-05	-5.42e-04
4995	18	0.35	1.04	-2.04	0.0	1.95e-04	-3.33e-05
4995	28	0.27	-1.16	-2.60	0.0	1.81e-05	1.98e-06
4995	44	0.21	-1.66	-2.36	0.0	-2.23e-05	7.40e-06
4995	75	0.24	0.68	-1.45	0.0	1.30e-04	-2.30e-05
4995	80	0.19	-0.79	-1.83	0.0	1.21e-05	0.0
4995	88	0.15	-1.12	-1.67	0.0	-1.49e-05	4.11e-06
4995	98	0.17	-0.21	-1.48	0.0	2.94e-05	-5.35e-06
4995	103	0.17	-0.02	-1.39	0.0	4.61e-05	-8.92e-06
4995	105	0.15	-0.38	-1.44	0.0	1.72e-05	-3.49e-06

4995	107	0.16	-0.20	-1.41	0.0	2.68e-05	-5.44e-06
4995	108	7.04	0.27	-1.32	0.0	7.54e-04	-4.43e-04
4995	129	-1.48	-8.64	-2.34	0.0	-1.83e-04	-3.45e-04
4995	140	7.91	0.32	-1.31	0.0	8.45e-04	-4.98e-04
4995	161	-1.68	-9.69	-2.45	0.0	-2.10e-04	-3.89e-04
4995	172	7.59	0.32	-1.31	0.0	8.07e-04	-4.92e-04
4995	193	-1.68	-9.61	-2.44	0.0	-2.11e-04	-3.93e-04
4995	204	8.71	0.41	-1.29	0.0	9.22e-04	-5.74e-04
4995	225	-1.97	-11.18	-2.61	0.0	-2.50e-04	-4.68e-04
4996	18	0.45	1.04	-2.05	0.0	1.52e-04	-4.84e-05
4996	28	0.28	-1.25	-2.60	0.0	3.02e-05	1.67e-05
4996	44	0.20	-1.76	-2.37	0.0	0.0	2.47e-05
4996	75	0.31	0.68	-1.46	0.0	1.02e-04	-3.32e-05
4996	80	0.20	-0.85	-1.83	0.0	2.04e-05	1.02e-05
4996	88	0.15	-1.19	-1.68	0.0	0.0	1.56e-05
4996	98	0.18	-0.25	-1.48	0.0	2.98e-05	-1.46e-06
4996	103	0.20	-0.05	-1.40	0.0	4.10e-05	-8.30e-06
4996	105	0.16	-0.42	-1.44	0.0	2.06e-05	1.45e-06
4996	107	0.17	-0.23	-1.42	0.0	2.74e-05	-1.94e-06
4996	108	7.43	0.26	-1.33	0.0	6.75e-04	-4.51e-04
4996	129	-1.57	-8.94	-2.35	0.0	-1.57e-04	-3.58e-04
4996	140	8.34	0.32	-1.31	0.0	7.56e-04	-5.08e-04
4996	161	-1.79	-10.03	-2.46	0.0	-1.81e-04	-4.03e-04
4996	172	8.00	0.33	-1.31	0.0	7.23e-04	-5.01e-04
4996	193	-1.79	-9.94	-2.45	0.0	-1.82e-04	-4.06e-04
4996	204	9.18	0.41	-1.29	0.0	8.26e-04	-5.84e-04
4996	225	-2.10	-11.56	-2.62	0.0	-2.16e-04	-4.83e-04
4997	18	0.52	1.03	-2.05	0.0	8.35e-05	-5.01e-05
4997	28	0.30	-1.34	-2.61	0.0	4.51e-05	3.11e-05
4997	44	0.21	-1.86	-2.38	0.0	2.86e-05	3.95e-05
4997	75	0.35	0.67	-1.47	0.0	5.63e-05	-3.41e-05
4997	80	0.21	-0.91	-1.84	0.0	3.07e-05	2.00e-05
4997	88	0.15	-1.26	-1.68	0.0	1.96e-05	2.56e-05
4997	98	0.20	-0.28	-1.49	0.0	2.82e-05	4.30e-06
4997	103	0.22	-0.07	-1.40	0.0	3.10e-05	-4.40e-06
4997	105	0.18	-0.46	-1.44	0.0	2.37e-05	7.55e-06
4997	107	0.19	-0.27	-1.42	0.0	2.62e-05	3.44e-06
4997	108	7.76	0.26	-1.33	0.0	5.55e-04	-4.61e-04
4997	129	-1.64	-9.23	-2.35	0.0	-1.18e-04	-3.81e-04
4997	140	8.70	0.33	-1.32	0.0	6.21e-04	-5.20e-04
4997	161	-1.88	-10.36	-2.47	0.0	-1.36e-04	-4.30e-04
4997	172	8.35	0.33	-1.32	0.0	5.94e-04	-5.08e-04
4997	193	-1.88	-10.26	-2.46	0.0	-1.37e-04	-4.30e-04
4997	204	9.58	0.43	-1.30	0.0	6.79e-04	-5.92e-04
4997	225	-2.20	-11.93	-2.63	0.0	-1.63e-04	-5.11e-04
4998	18	0.54	1.03	-2.06	0.0	2.31e-06	-4.38e-05
4998	28	0.33	-1.42	-2.62	0.0	5.86e-05	3.55e-05
4998	44	0.23	-1.96	-2.39	0.0	5.89e-05	4.27e-05
4998	75	0.37	0.67	-1.47	0.0	2.25e-06	-2.99e-05
4998	80	0.23	-0.97	-1.84	0.0	3.98e-05	2.29e-05
4998	88	0.17	-1.33	-1.69	0.0	4.00e-05	2.77e-05
4998	98	0.21	-0.31	-1.49	0.0	2.43e-05	6.65e-06
4998	103	0.23	-0.10	-1.40	0.0	1.77e-05	-1.95e-06
4998	105	0.19	-0.50	-1.45	0.0	2.52e-05	9.57e-06
4998	107	0.20	-0.30	-1.43	0.0	2.27e-05	5.62e-06
4998	108	8.01	0.26	-1.33	0.0	4.13e-04	-4.72e-04
4998	129	-1.69	-9.53	-2.36	0.0	-7.37e-05	-4.02e-04
4998	140	8.99	0.33	-1.32	0.0	4.62e-04	-5.32e-04
4998	161	-1.93	-10.68	-2.48	0.0	-8.60e-05	-4.54e-04
4998	172	8.63	0.34	-1.32	0.0	4.43e-04	-5.18e-04
4998	193	-1.93	-10.58	-2.47	0.0	-8.61e-05	-4.52e-04
4998	204	9.89	0.44	-1.30	0.0	5.07e-04	-6.02e-04
4998	225	-2.27	-12.30	-2.64	0.0	-1.03e-04	-5.36e-04
4999	4	0.33	0.46	-2.76	0.0	1.29e-04	-6.92e-05
4999	28	0.27	-1.16	-3.02	0.0	3.30e-05	1.42e-05
4999	44	0.22	-1.66	-2.77	0.0	-1.22e-06	3.34e-05
4999	68	0.23	0.29	-1.95	0.0	8.53e-05	-4.74e-05
4999	80	0.19	-0.79	-2.13	0.0	2.16e-05	8.26e-06
4999	88	0.16	-1.12	-1.96	0.0	-1.20e-06	2.10e-05
4999	98	0.16	-0.21	-1.72	0.0	3.01e-05	-9.92e-06
4999	103	0.16	-0.02	-1.62	0.0	4.13e-05	-2.21e-05
4999	105	0.15	-0.38	-1.68	0.0	2.01e-05	-3.55e-06
4999	107	0.15	-0.20	-1.65	0.0	2.72e-05	-9.88e-06
4999	108	6.99	0.27	-1.52	0.0	7.57e-04	-4.42e-04
4999	129	-1.51	-8.64	-2.95	0.0	-1.82e-04	-3.32e-04

4999	140	7.85	0.32	-1.50	0.0	8.48e-04	-4.97e-04
4999	161	-1.73	-9.70	-3.12	0.0	-2.08e-04	-3.74e-04
4999	172	7.51	0.32	-1.50	0.0	8.09e-04	-4.93e-04
4999	193	-1.73	-9.61	-3.10	0.0	-2.10e-04	-3.79e-04
4999	204	8.60	0.40	-1.47	0.0	9.24e-04	-5.76e-04
4999	225	-2.03	-11.18	-3.34	0.0	-2.49e-04	-4.51e-04
5000	18	0.40	1.04	-2.33	0.0	1.36e-04	-1.68e-04
5000	28	0.29	-1.25	-3.01	0.0	5.02e-05	5.26e-05
5000	44	0.23	-1.76	-2.77	0.0	2.23e-05	8.45e-05
5000	75	0.28	0.68	-1.67	0.0	9.08e-05	-1.13e-04
5000	80	0.20	-0.85	-2.12	0.0	3.39e-05	3.42e-05
5000	88	0.16	-1.19	-1.96	0.0	1.53e-05	5.55e-05
5000	98	0.18	-0.25	-1.72	0.0	3.59e-05	-1.22e-06
5000	103	0.19	-0.05	-1.62	0.0	4.31e-05	-2.40e-05
5000	105	0.16	-0.42	-1.68	0.0	2.80e-05	9.66e-06
5000	107	0.17	-0.23	-1.65	0.0	3.31e-05	-1.72e-06
5000	108	7.39	0.26	-1.51	0.0	7.31e-04	-4.46e-04
5000	129	-1.61	-8.94	-2.95	0.0	-1.67e-04	-3.42e-04
5000	140	8.29	0.32	-1.50	0.0	8.18e-04	-5.02e-04
5000	161	-1.83	-10.03	-3.11	0.0	-1.93e-04	-3.85e-04
5000	172	7.94	0.33	-1.50	0.0	7.80e-04	-4.97e-04
5000	193	-1.84	-9.94	-3.10	0.0	-1.95e-04	-3.88e-04
5000	204	9.09	0.41	-1.47	0.0	8.90e-04	-5.80e-04
5000	225	-2.16	-11.56	-3.34	0.0	-2.32e-04	-4.62e-04
5001	18	0.47	1.04	-2.33	0.0	8.47e-05	-1.93e-04
5001	28	0.33	-1.34	-3.01	0.0	5.77e-05	8.35e-05
5001	44	0.25	-1.86	-2.77	0.0	4.12e-05	1.21e-04
5001	75	0.32	0.67	-1.67	0.0	5.72e-05	-1.29e-04
5001	80	0.23	-0.91	-2.12	0.0	3.92e-05	5.53e-05
5001	88	0.17	-1.26	-1.96	0.0	2.82e-05	8.02e-05
5001	98	0.20	-0.28	-1.72	0.0	3.36e-05	8.93e-06
5001	103	0.21	-0.07	-1.62	0.0	3.50e-05	-1.99e-05
5001	105	0.18	-0.46	-1.68	0.0	2.92e-05	2.19e-05
5001	107	0.19	-0.27	-1.65	0.0	3.12e-05	7.86e-06
5001	108	7.77	0.26	-1.51	0.0	6.18e-04	-4.54e-04
5001	129	-1.69	-9.23	-2.95	0.0	-1.34e-04	-3.62e-04
5001	140	8.72	0.33	-1.50	0.0	6.91e-04	-5.12e-04
5001	161	-1.93	-10.36	-3.11	0.0	-1.55e-04	-4.10e-04
5001	172	8.34	0.33	-1.49	0.0	6.60e-04	-5.02e-04
5001	193	-1.94	-10.26	-3.09	0.0	-1.56e-04	-4.08e-04
5001	204	9.55	0.43	-1.47	0.0	7.52e-04	-5.85e-04
5001	225	-2.28	-11.93	-3.33	0.0	-1.87e-04	-4.85e-04
5002	18	0.50	1.03	-2.33	0.0	1.26e-05	-1.79e-04
5002	28	0.36	-1.42	-3.01	0.0	5.32e-05	9.48e-05
5002	44	0.27	-1.96	-2.77	0.0	5.15e-05	1.29e-04
5002	75	0.34	0.67	-1.67	0.0	9.07e-06	-1.20e-04
5002	80	0.25	-0.97	-2.12	0.0	3.61e-05	6.27e-05
5002	88	0.19	-1.33	-1.96	0.0	3.50e-05	8.57e-05
5002	98	0.22	-0.31	-1.72	0.0	2.32e-05	1.46e-05
5002	103	0.23	-0.10	-1.62	0.0	1.82e-05	-1.43e-05
5002	105	0.20	-0.50	-1.68	0.0	2.34e-05	2.68e-05
5002	107	0.21	-0.30	-1.65	0.0	2.16e-05	1.30e-05
5002	108	8.05	0.26	-1.51	0.0	4.30e-04	-4.74e-04
5002	129	-1.75	-9.53	-2.95	0.0	-8.44e-05	-4.05e-04
5002	140	9.03	0.33	-1.50	0.0	4.81e-04	-5.35e-04
5002	161	-2.00	-10.68	-3.11	0.0	-9.80e-05	-4.58e-04
5002	172	8.64	0.34	-1.49	0.0	4.61e-04	-5.17e-04
5002	193	-2.01	-10.58	-3.09	0.0	-9.85e-05	-4.50e-04
5002	204	9.89	0.44	-1.47	0.0	5.27e-04	-6.00e-04
5002	225	-2.36	-12.30	-3.33	0.0	-1.18e-04	-5.34e-04
5003	28	0.27	-1.16	-3.34	2.75e-04	6.36e-05	4.72e-05
5003	44	0.24	-1.66	-3.09	2.95e-04	4.58e-05	8.80e-05
5003	80	0.19	-0.79	-2.36	1.93e-04	4.18e-05	3.04e-05
5003	88	0.17	-1.12	-2.19	2.06e-04	3.00e-05	5.76e-05
5003	98	0.15	-0.21	-1.91	1.30e-04	3.16e-05	-9.20e-06
5003	105	0.14	-0.38	-1.86	1.39e-04	2.73e-05	4.37e-06
5003	107	0.14	-0.20	-1.83	1.25e-04	2.85e-05	-9.13e-06
5003	108	6.90	0.27	-1.65	-1.13e-04	7.52e-04	-4.37e-04
5003	129	-1.54	-8.64	-3.50	6.54e-04	-1.66e-04	-3.30e-04
5003	140	7.75	0.32	-1.63	-1.43e-04	8.42e-04	-4.91e-04
5003	161	-1.75	-9.70	-3.71	7.20e-04	-1.91e-04	-3.71e-04
5003	172	7.39	0.32	-1.63	-1.36e-04	8.03e-04	-4.87e-04
5003	193	-1.76	-9.61	-3.69	7.12e-04	-1.93e-04	-3.75e-04
5003	204	8.45	0.40	-1.59	-1.78e-04	9.16e-04	-5.69e-04
5003	225	-2.07	-11.18	-4.00	8.09e-04	-2.29e-04	-4.45e-04

5004	28	0.33	-1.25	-3.33	1.95e-04	9.10e-05	1.14e-04
5004	44	0.29	-1.76	-3.08	2.20e-04	7.37e-05	1.83e-04
5004	80	0.23	-0.85	-2.35	1.36e-04	6.17e-05	7.56e-05
5004	88	0.20	-1.19	-2.18	1.53e-04	5.02e-05	1.22e-04
5004	98	0.18	-0.25	-1.90	8.04e-05	4.78e-05	2.62e-06
5004	105	0.17	-0.42	-1.86	9.05e-05	4.37e-05	2.59e-05
5004	107	0.17	-0.23	-1.82	7.73e-05	4.44e-05	2.08e-06
5004	108	7.35	0.26	-1.65	-1.52e-04	8.11e-04	-4.36e-04
5004	129	-1.62	-8.94	-3.49	5.88e-04	-1.68e-04	-3.34e-04
5004	140	8.25	0.32	-1.62	-1.80e-04	9.06e-04	-4.92e-04
5004	161	-1.85	-10.03	-3.70	6.52e-04	-1.96e-04	-3.78e-04
5004	172	7.87	0.33	-1.62	-1.74e-04	8.62e-04	-4.86e-04
5004	193	-1.87	-9.94	-3.68	6.44e-04	-1.98e-04	-3.77e-04
5004	204	9.00	0.41	-1.59	-2.14e-04	9.81e-04	-5.68e-04
5004	225	-2.20	-11.56	-3.98	7.38e-04	-2.38e-04	-4.48e-04
5005	28	0.39	-1.34	-3.32	1.70e-04	8.17e-05	1.56e-04
5005	44	0.34	-1.86	-3.08	1.94e-04	6.68e-05	2.39e-04
5005	80	0.27	-0.91	-2.35	1.18e-04	5.56e-05	1.04e-04
5005	88	0.23	-1.26	-2.18	1.34e-04	4.56e-05	1.59e-04
5005	98	0.21	-0.28	-1.90	6.79e-05	4.30e-05	1.09e-05
5005	105	0.20	-0.46	-1.86	7.74e-05	3.93e-05	3.93e-05
5005	107	0.20	-0.27	-1.82	6.52e-05	4.01e-05	9.79e-06
5005	108	7.78	0.26	-1.65	-1.61e-04	7.32e-04	-4.44e-04
5005	129	-1.71	-9.23	-3.49	5.68e-04	-1.58e-04	-3.46e-04
5005	140	8.73	0.33	-1.62	-1.89e-04	8.18e-04	-5.01e-04
5005	161	-1.96	-10.36	-3.70	6.31e-04	-1.84e-04	-3.91e-04
5005	172	8.33	0.33	-1.62	-1.82e-04	7.78e-04	-4.92e-04
5005	193	-1.97	-10.26	-3.67	6.23e-04	-1.86e-04	-3.87e-04
5005	204	9.51	0.43	-1.58	-2.22e-04	8.85e-04	-5.75e-04
5005	225	-2.32	-11.93	-3.98	7.15e-04	-2.24e-04	-4.60e-04
5006	28	0.44	-1.43	-3.32	1.59e-04	4.16e-05	1.73e-04
5006	44	0.37	-1.96	-3.08	1.79e-04	3.46e-05	2.53e-04
5006	80	0.30	-0.97	-2.35	1.11e-04	2.83e-05	1.15e-04
5006	88	0.26	-1.33	-2.18	1.24e-04	2.36e-05	1.68e-04
5006	98	0.23	-0.31	-1.90	6.56e-05	2.12e-05	1.85e-05
5006	105	0.22	-0.50	-1.86	7.38e-05	1.96e-05	4.60e-05
5006	107	0.22	-0.30	-1.82	6.30e-05	1.98e-05	1.66e-05
5006	108	8.17	0.26	-1.65	-1.58e-04	4.43e-04	-4.63e-04
5006	129	-1.80	-9.53	-3.49	5.54e-04	-9.86e-05	-3.73e-04
5006	140	9.16	0.33	-1.63	-1.86e-04	4.96e-04	-5.24e-04
5006	161	-2.06	-10.68	-3.70	6.15e-04	-1.14e-04	-4.22e-04
5006	172	8.74	0.34	-1.62	-1.79e-04	4.74e-04	-5.08e-04
5006	193	-2.07	-10.59	-3.67	6.08e-04	-1.15e-04	-4.13e-04
5006	204	9.98	0.44	-1.59	-2.18e-04	5.41e-04	-5.91e-04
5006	225	-2.44	-12.30	-3.98	6.98e-04	-1.37e-04	-4.90e-04
5007	18	0.52	1.02	-2.07	0.0	-6.99e-05	-3.84e-05
5007	28	0.36	-1.50	-2.63	0.0	6.85e-05	2.38e-05
5007	44	0.27	-2.05	-2.40	0.0	8.35e-05	3.00e-05
5007	75	0.36	0.66	-1.48	0.0	-4.58e-05	-2.64e-05
5007	80	0.25	-1.02	-1.85	0.0	4.64e-05	1.50e-05
5007	88	0.19	-1.39	-1.70	0.0	5.64e-05	1.92e-05
5007	98	0.22	-0.35	-1.50	0.0	1.98e-05	2.35e-06
5007	103	0.23	-0.12	-1.41	0.0	4.98e-06	-4.33e-06
5007	105	0.20	-0.53	-1.45	0.0	2.54e-05	4.78e-06
5007	107	0.21	-0.33	-1.43	0.0	1.86e-05	1.62e-06
5007	108	8.18	0.26	-1.34	0.0	2.81e-04	-4.80e-04
5007	129	-1.72	-9.80	-2.37	0.0	-3.37e-05	-4.08e-04
5007	140	9.18	0.34	-1.33	0.0	3.14e-04	-5.41e-04
5007	161	-1.96	-10.99	-2.49	0.0	-4.03e-05	-4.61e-04
5007	172	8.81	0.34	-1.32	0.0	3.04e-04	-5.27e-04
5007	193	-1.96	-10.88	-2.47	0.0	-3.98e-05	-4.59e-04
5007	204	10.10	0.45	-1.31	0.0	3.48e-04	-6.12e-04
5007	225	-2.31	-12.65	-2.65	0.0	-4.83e-05	-5.44e-04
5008	4	0.48	0.30	-2.45	0.0	-5.83e-05	-2.04e-05
5008	28	0.40	-1.58	-2.64	0.0	7.44e-05	3.36e-06
5008	44	0.32	-2.14	-2.42	0.0	9.99e-05	8.08e-06
5008	68	0.33	0.17	-1.73	0.0	-3.81e-05	-1.47e-05
5008	80	0.27	-1.08	-1.86	0.0	5.04e-05	1.18e-06
5008	88	0.22	-1.45	-1.71	0.0	6.73e-05	4.32e-06
5008	98	0.23	-0.38	-1.51	0.0	1.62e-05	-5.49e-06
5008	103	0.23	-0.15	-1.42	0.0	-4.40e-06	-9.10e-06
5008	105	0.21	-0.57	-1.46	0.0	2.51e-05	-3.81e-06
5008	107	0.22	-0.36	-1.44	0.0	1.53e-05	-5.71e-06
5008	108	8.28	0.26	-1.35	0.0	1.46e-04	-4.86e-04
5008	129	-1.72	-10.06	-2.38	0.0	1.15e-04	-4.06e-04

5008	140	9.29	0.33	-1.33	0.0	1.63e-04	-5.47e-04
5008	161	-1.97	-11.28	-2.50	0.0	1.28e-04	-4.57e-04
5008	172	8.92	0.34	-1.33	0.0	1.60e-04	-5.35e-04
5008	193	-1.97	-11.17	-2.48	0.0	1.24e-04	-4.57e-04
5008	204	10.23	0.46	-1.31	0.0	1.83e-04	-6.21e-04
5008	225	-2.31	-12.98	-2.66	0.0	1.42e-04	-5.42e-04
5009	4	0.44	0.25	-2.48	4.94e-04	-1.21e-05	-2.24e-05
5009	28	0.44	-1.67	-2.67	5.91e-04	5.71e-05	-2.21e-05
5009	44	0.38	-2.23	-2.45	5.67e-04	6.78e-05	-1.98e-05
5009	68	0.31	0.14	-1.75	3.56e-04	-7.28e-06	-1.64e-05
5009	80	0.30	-1.14	-1.88	4.21e-04	3.89e-05	-1.61e-05
5009	88	0.26	-1.52	-1.73	4.05e-04	4.60e-05	-1.46e-05
5009	98	0.24	-0.42	-1.52	3.43e-04	1.84e-05	-1.49e-05
5009	105	0.23	-0.62	-1.48	3.42e-04	2.25e-05	-1.44e-05
5009	107	0.23	-0.40	-1.45	3.31e-04	1.74e-05	-1.46e-05
5009	108	8.34	0.25	-1.36	7.77e-05	1.47e-04	-4.93e-04
5009	129	-1.72	-10.33	-2.40	8.77e-04	-5.88e-06	-4.06e-04
5009	140	9.36	0.33	-1.35	4.61e-05	1.63e-04	-5.53e-04
5009	161	-1.96	-11.58	-2.51	9.45e-04	-8.73e-06	-4.57e-04
5009	172	8.98	0.34	-1.35	5.34e-05	1.60e-04	-5.43e-04
5009	193	-1.96	-11.47	-2.50	9.37e-04	-8.00e-06	-4.58e-04
5009	204	10.30	0.46	-1.33	9.40e-06	1.84e-04	-6.29e-04
5009	225	-2.31	-13.32	-2.67	1.04e-03	-1.13e-05	-5.42e-04
5010	4	0.49	0.34	-2.76	0.0	-2.15e-05	-7.97e-05
5010	28	0.38	-1.50	-3.02	0.0	4.68e-05	6.80e-05
5010	44	0.30	-2.05	-2.77	0.0	5.87e-05	9.67e-05
5010	68	0.34	0.20	-1.95	0.0	-1.38e-05	-5.37e-05
5010	80	0.26	-1.03	-2.13	0.0	3.17e-05	4.48e-05
5010	88	0.21	-1.39	-1.96	0.0	3.96e-05	6.39e-05
5010	98	0.23	-0.35	-1.72	0.0	1.24e-05	7.30e-06
5010	103	0.23	-0.12	-1.62	0.0	1.60e-06	-1.55e-05
5010	105	0.21	-0.53	-1.68	0.0	1.68e-05	1.74e-05
5010	107	0.21	-0.33	-1.65	0.0	1.17e-05	6.32e-06
5010	108	8.21	0.26	-1.52	0.0	2.54e-04	-4.76e-04
5010	129	-1.78	-9.80	-2.95	0.0	-3.73e-05	-3.93e-04
5010	140	9.21	0.34	-1.50	0.0	2.85e-04	-5.36e-04
5010	161	-2.03	-10.99	-3.11	0.0	-4.35e-05	-4.44e-04
5010	172	8.81	0.34	-1.50	0.0	2.75e-04	-5.23e-04
5010	193	-2.04	-10.88	-3.09	0.0	-4.29e-05	-4.41e-04
5010	204	10.09	0.45	-1.47	0.0	3.16e-04	-6.08e-04
5010	225	-2.40	-12.65	-3.33	0.0	-5.10e-05	-5.24e-04
5011	4	0.47	0.30	-2.77	0.0	-5.53e-05	-5.74e-05
5011	28	0.40	-1.59	-3.03	0.0	4.44e-05	2.60e-05
5011	44	0.33	-2.14	-2.78	0.0	6.55e-05	4.36e-05
5011	68	0.32	0.18	-1.96	0.0	-3.65e-05	-3.92e-05
5011	80	0.28	-1.08	-2.13	0.0	3.00e-05	1.64e-05
5011	88	0.23	-1.45	-1.97	0.0	4.41e-05	2.82e-05
5011	98	0.23	-0.38	-1.73	0.0	5.97e-06	-3.77e-06
5011	105	0.21	-0.57	-1.68	0.0	1.31e-05	2.25e-06
5011	107	0.22	-0.36	-1.65	0.0	5.73e-06	-4.05e-06
5011	108	8.29	0.26	-1.52	0.0	1.18e-04	-4.83e-04
5011	129	-1.78	-10.06	-2.95	0.0	8.43e-05	-3.94e-04
5011	140	9.30	0.33	-1.50	0.0	1.32e-04	-5.44e-04
5011	161	-2.04	-11.28	-3.12	0.0	9.41e-05	-4.44e-04
5011	172	8.90	0.34	-1.50	0.0	1.30e-04	-5.33e-04
5011	193	-2.05	-11.18	-3.10	0.0	9.26e-05	-4.44e-04
5011	204	10.18	0.45	-1.47	0.0	1.51e-04	-6.20e-04
5011	225	-2.41	-12.98	-3.34	0.0	1.08e-04	-5.27e-04
5012	4	0.43	0.25	-2.79	4.80e-04	-1.21e-05	-2.19e-05
5012	28	0.42	-1.68	-3.05	5.83e-04	5.71e-05	-2.14e-05
5012	44	0.36	-2.24	-2.80	5.62e-04	6.78e-05	-1.92e-05
5012	68	0.30	0.14	-1.97	3.47e-04	-7.28e-06	-1.60e-05
5012	80	0.29	-1.15	-2.15	4.16e-04	3.89e-05	-1.56e-05
5012	88	0.25	-1.52	-1.99	4.02e-04	4.60e-05	-1.41e-05
5012	98	0.23	-0.42	-1.74	3.41e-04	1.84e-05	-1.45e-05
5012	105	0.22	-0.62	-1.69	3.40e-04	2.25e-05	-1.40e-05
5012	107	0.22	-0.40	-1.66	3.29e-04	1.74e-05	-1.42e-05
5012	108	8.32	0.25	-1.53	5.18e-05	1.47e-04	-4.93e-04
5012	129	-1.78	-10.33	-2.96	9.21e-04	-5.88e-06	-4.06e-04
5012	140	9.34	0.33	-1.51	1.73e-05	1.63e-04	-5.53e-04
5012	161	-2.03	-11.58	-3.13	9.95e-04	-8.73e-06	-4.57e-04
5012	172	8.94	0.34	-1.51	2.62e-05	1.60e-04	-5.43e-04
5012	193	-2.04	-11.47	-3.11	9.86e-04	-8.00e-06	-4.58e-04
5012	204	10.24	0.46	-1.48	-2.12e-05	1.84e-04	-6.29e-04
5012	225	-2.40	-13.32	-3.35	1.09e-03	-1.13e-05	-5.42e-04

5013	4	0.44	0.34	-3.00	8.18e-05	0.0	-1.88e-04
5013	28	0.43	-1.50	-3.32	1.56e-04	4.26e-06	1.30e-04
5013	44	0.37	-2.05	-3.08	1.71e-04	5.41e-06	1.96e-04
5013	68	0.30	0.21	-2.13	5.93e-05	0.0	-1.26e-04
5013	80	0.30	-1.03	-2.35	1.09e-04	2.91e-06	8.67e-05
5013	88	0.26	-1.39	-2.18	1.19e-04	3.68e-06	1.31e-04
5013	98	0.23	-0.35	-1.90	6.82e-05	0.0	1.08e-05
5013	105	0.22	-0.53	-1.86	7.46e-05	1.23e-06	3.33e-05
5013	107	0.22	-0.33	-1.82	6.55e-05	0.0	9.62e-06
5013	108	8.25	0.26	-1.05	-1.49e-04	1.77e-04	-4.67e-04
5013	129	-1.81	-9.80	-3.49	5.41e-04	-3.59e-05	-3.69e-04
5013	140	9.25	0.34	-0.95	-1.76e-04	2.00e-04	-5.27e-04
5013	161	-2.07	-10.99	-3.70	6.00e-04	-4.05e-05	-4.17e-04
5013	172	8.82	0.34	-0.97	-1.69e-04	1.95e-04	-5.15e-04
5013	193	-2.09	-10.88	-3.68	5.93e-04	-3.97e-05	-4.13e-04
5013	204	10.08	0.45	-0.84	-2.07e-04	2.26e-04	-6.00e-04
5013	225	-2.46	-12.65	-3.99	6.80e-04	-4.55e-05	-4.91e-04
5014	4	0.43	0.30	-3.01	1.02e-04	-1.28e-05	-1.21e-04
5014	28	0.42	-1.59	-3.33	1.61e-04	-4.97e-06	6.35e-05
5014	44	0.36	-2.14	-3.08	1.71e-04	-1.35e-06	1.03e-04
5014	68	0.29	0.18	-2.14	7.30e-05	-8.56e-06	-8.15e-05
5014	80	0.29	-1.08	-2.35	1.12e-04	-3.31e-06	4.16e-05
5014	88	0.25	-1.45	-2.19	1.19e-04	0.0	6.81e-05
5014	98	0.23	-0.38	-1.91	7.42e-05	-4.23e-06	-1.28e-06
5014	105	0.22	-0.57	-1.86	7.92e-05	-3.21e-06	1.21e-05
5014	107	0.22	-0.36	-1.83	7.12e-05	-3.84e-06	-1.66e-06
5014	108	8.28	0.26	-1.05	-1.38e-04	9.11e-05	-4.80e-04
5014	129	-1.82	-10.06	-3.50	5.35e-04	6.62e-05	-3.82e-04
5014	140	9.29	0.33	-0.96	-1.64e-04	1.03e-04	-5.40e-04
5014	161	-2.09	-11.28	-3.71	5.93e-04	7.50e-05	-4.30e-04
5014	172	8.86	0.34	-0.98	-1.58e-04	1.02e-04	-5.30e-04
5014	193	-2.10	-11.18	-3.68	5.85e-04	7.46e-05	-4.30e-04
5014	204	10.13	0.45	-0.84	-1.94e-04	1.21e-04	-6.17e-04
5014	225	-2.48	-12.98	-3.99	6.70e-04	8.87e-05	-5.10e-04
5015	4	0.42	0.25	-3.02	4.60e-04	-1.21e-05	-1.49e-05
5015	28	0.41	-1.68	-3.34	5.65e-04	5.71e-05	-1.41e-05
5015	44	0.35	-2.24	-3.10	5.46e-04	6.78e-05	-1.24e-05
5015	68	0.29	0.14	-2.15	3.34e-04	-7.28e-06	-1.09e-05
5015	80	0.28	-1.15	-2.36	4.03e-04	3.89e-05	-1.04e-05
5015	88	0.25	-1.52	-2.20	3.91e-04	4.60e-05	-9.26e-06
5015	98	0.22	-0.42	-1.91	3.32e-04	1.84e-05	-1.01e-05
5015	105	0.21	-0.62	-1.87	3.32e-04	2.25e-05	-9.66e-06
5015	107	0.21	-0.40	-1.83	3.20e-04	1.74e-05	-9.90e-06
5015	108	8.32	0.25	-1.06	3.47e-05	1.47e-04	-4.91e-04
5015	129	-1.84	-10.33	-3.51	9.27e-04	-5.88e-06	-4.03e-04
5015	140	9.34	0.33	-0.96	0.0	1.63e-04	-5.51e-04
5015	161	-2.10	-11.58	-3.72	1.00e-03	-8.73e-06	-4.53e-04
5015	172	8.91	0.34	-0.98	8.84e-06	1.60e-04	-5.41e-04
5015	193	-2.11	-11.47	-3.69	9.93e-04	-8.00e-06	-4.55e-04
5015	204	10.19	0.46	-0.85	-3.97e-05	1.84e-04	-6.28e-04
5015	225	-2.49	-13.32	-4.00	1.10e-03	-1.13e-05	-5.39e-04
5016	4	0.29	0.54	-0.98	0.0	5.86e-05	8.52e-05
5016	28	0.29	-1.02	-0.92	0.0	6.11e-05	7.38e-05
5016	44	0.26	-1.52	-0.78	0.0	5.72e-05	5.77e-05
5016	68	0.20	0.36	-0.69	0.0	4.14e-05	5.87e-05
5016	80	0.20	-0.69	-0.64	0.0	4.31e-05	5.11e-05
5016	88	0.18	-1.02	-0.55	0.0	4.05e-05	4.04e-05
5016	98	0.17	-0.13	-0.55	0.0	3.34e-05	4.47e-05
5016	105	0.16	-0.30	-0.52	0.0	3.26e-05	4.07e-05
5016	107	0.16	-0.12	-0.52	0.0	3.23e-05	4.19e-05
5016	112	8.02	8.06	-0.29	0.0	4.63e-04	-4.45e-04
5016	114	-6.04	-3.28	-0.93	0.0	-5.20e-04	4.27e-04
5016	139	-4.30	-10.27	-0.30	0.0	1.23e-04	3.52e-04
5016	144	9.01	9.10	-0.27	0.0	5.17e-04	-5.07e-04
5016	146	-6.82	-3.68	-0.98	0.0	-5.89e-04	4.76e-04
5016	171	-4.87	-11.55	-0.27	0.0	1.34e-04	3.92e-04
5016	176	8.95	8.99	-0.28	0.0	5.09e-04	-4.94e-04
5016	178	-6.77	-3.61	-0.97	0.0	-5.78e-04	4.66e-04
5016	203	-4.87	-11.54	-0.27	0.0	1.32e-04	3.89e-04
5016	208	10.45	10.53	-0.24	0.0	5.88e-04	-5.82e-04
5016	210	-7.96	-4.19	-1.04	0.0	-6.78e-04	5.35e-04
5016	235	-5.79	-13.55	-0.23	0.0	1.45e-04	4.52e-04
5017	4	0.34	0.55	-0.99	0.0	1.19e-04	3.85e-05
5017	28	0.34	-1.08	-0.92	0.0	1.16e-04	3.22e-05
5017	44	0.30	-1.59	-0.78	0.0	1.01e-04	2.36e-05

5017	68	0.24	0.36	-0.69	0.0	8.32e-05	2.62e-05
5017	80	0.24	-0.72	-0.65	0.0	8.10e-05	2.21e-05
5017	88	0.22	-1.07	-0.55	0.0	7.09e-05	1.63e-05
5017	98	0.20	-0.14	-0.55	0.0	6.61e-05	1.98e-05
5017	105	0.19	-0.32	-0.52	0.0	6.26e-05	1.77e-05
5017	107	0.19	-0.14	-0.53	0.0	6.30e-05	1.83e-05
5017	112	8.33	8.28	-0.31	0.0	5.74e-04	-4.85e-04
5017	114	-6.23	-3.35	-0.94	0.0	-3.46e-04	4.16e-04
5017	139	-4.43	-10.62	-0.29	0.0	-2.13e-04	3.41e-04
5017	144	9.36	9.34	-0.28	0.0	6.38e-04	-5.49e-04
5017	146	-7.04	-3.75	-0.99	0.0	-3.97e-04	4.66e-04
5017	171	-5.02	-11.95	-0.25	0.0	-2.48e-04	3.83e-04
5017	176	9.29	9.23	-0.29	0.0	6.29e-04	-5.34e-04
5017	198	0.94	7.65	-0.97	0.0	9.89e-05	-2.73e-05
5017	203	-5.02	-11.94	-0.26	0.0	-2.43e-04	3.79e-04
5017	208	10.84	10.81	-0.25	0.0	7.23e-04	-6.24e-04
5017	230	1.07	8.98	-1.04	0.0	1.05e-04	-3.69e-05
5017	235	-5.96	-14.01	-0.21	0.0	-2.97e-04	4.46e-04
5018	4	0.42	0.55	-0.99	0.0	1.39e-04	-1.49e-05
5018	44	0.37	-1.66	-0.79	0.0	1.14e-04	-1.59e-05
5018	52	0.42	-0.28	-0.96	0.0	1.36e-04	-1.60e-05
5018	68	0.30	0.36	-0.70	0.0	9.67e-05	-1.08e-05
5018	88	0.26	-1.12	-0.56	0.0	8.00e-05	-1.15e-05
5018	92	0.30	-0.20	-0.67	0.0	9.49e-05	-1.16e-05
5018	98	0.24	-0.16	-0.56	0.0	7.68e-05	-9.00e-06
5018	105	0.23	-0.34	-0.52	0.0	7.23e-05	-8.97e-06
5018	107	0.23	-0.15	-0.53	0.0	7.29e-05	-8.96e-06
5018	112	8.62	8.48	-0.31	0.0	5.20e-04	-5.34e-04
5018	134	0.92	7.03	-0.94	0.0	9.53e-05	-5.39e-05
5018	139	-4.52	-10.97	-0.28	0.0	-1.65e-04	3.31e-04
5018	144	9.69	9.57	-0.28	0.0	5.77e-04	-6.01e-04
5018	166	1.01	7.93	-1.00	0.0	9.80e-05	-5.97e-05
5018	171	-5.12	-12.34	-0.25	0.0	-1.95e-04	3.74e-04
5018	176	9.61	9.46	-0.30	0.0	5.69e-04	-5.86e-04
5018	198	1.00	7.92	-0.99	0.0	9.74e-05	-5.97e-05
5018	203	-5.12	-12.32	-0.25	0.0	-1.91e-04	3.71e-04
5018	208	11.22	11.07	-0.26	0.0	6.52e-04	-6.79e-04
5018	230	1.12	9.29	-1.06	0.0	1.01e-04	-7.07e-05
5018	235	-6.09	-14.45	-0.20	0.0	-2.38e-04	4.42e-04
5019	4	0.50	0.55	-1.00	0.0	1.14e-04	-5.88e-05
5019	44	0.43	-1.73	-0.79	0.0	9.37e-05	-4.84e-05
5019	68	0.35	0.36	-0.70	0.0	7.95e-05	-4.13e-05
5019	88	0.31	-1.16	-0.56	0.0	6.59e-05	-3.44e-05
5019	98	0.28	-0.17	-0.56	0.0	6.35e-05	-3.29e-05
5019	105	0.27	-0.36	-0.52	0.0	5.98e-05	-3.11e-05
5019	107	0.27	-0.16	-0.53	0.0	6.03e-05	-3.16e-05
5019	109	8.88	3.65	-0.18	0.0	3.48e-04	-5.93e-04
5019	134	0.97	7.25	-0.95	0.0	8.69e-05	-8.23e-05
5019	139	-4.59	-11.30	-0.27	0.0	-1.46e-04	3.29e-04
5019	141	9.97	4.13	-0.14	0.0	3.85e-04	-6.64e-04
5019	166	1.06	8.19	-1.00	0.0	9.01e-05	-8.90e-05
5019	171	-5.21	-12.71	-0.24	0.0	-1.72e-04	3.76e-04
5019	173	9.89	4.10	-0.15	0.0	3.79e-04	-6.50e-04
5019	198	1.05	8.17	-0.99	0.0	8.94e-05	-9.01e-05
5019	203	-5.21	-12.69	-0.24	0.0	-1.68e-04	3.74e-04
5019	205	11.53	4.84	-0.10	0.0	4.33e-04	-7.51e-04
5019	230	1.18	9.59	-1.07	0.0	9.40e-05	-1.03e-04
5019	235	-6.20	-14.88	-0.20	0.0	-2.08e-04	4.50e-04
5020	4	0.32	0.55	-1.06	0.0	7.41e-05	4.21e-05
5020	28	0.32	-1.02	-1.01	0.0	7.45e-05	3.62e-05
5020	44	0.28	-1.52	-0.86	0.0	6.70e-05	2.80e-05
5020	68	0.22	0.36	-0.74	0.0	5.20e-05	2.89e-05
5020	80	0.22	-0.69	-0.71	0.0	5.22e-05	2.50e-05
5020	88	0.20	-1.02	-0.61	0.0	4.72e-05	1.95e-05
5020	98	0.18	-0.13	-0.60	0.0	4.16e-05	2.19e-05
5020	105	0.18	-0.30	-0.56	0.0	3.99e-05	1.99e-05
5020	107	0.18	-0.12	-0.57	0.0	3.99e-05	2.04e-05
5020	112	7.92	8.07	-0.39	0.0	6.10e-04	-4.99e-04
5020	134	0.85	6.55	-0.93	0.0	8.01e-05	-2.35e-05
5020	139	-4.22	-10.27	-0.35	0.0	-2.68e-04	3.52e-04
5020	144	8.90	9.10	-0.37	0.0	6.82e-04	-5.64e-04
5020	166	0.93	7.40	-0.97	0.0	8.50e-05	-2.94e-05
5020	171	-4.78	-11.56	-0.32	0.0	-3.07e-04	3.95e-04
5020	176	8.82	9.00	-0.38	0.0	6.69e-04	-5.52e-04
5020	198	0.92	7.38	-0.96	0.0	8.35e-05	-3.03e-05

5020	203	-4.77	-11.55	-0.32	0.0	-3.00e-04	3.94e-04
5020	208	10.29	10.54	-0.35	0.0	7.73e-04	-6.46e-04
5020	230	1.04	8.66	-1.02	0.0	9.02e-05	-4.16e-05
5020	235	-5.66	-13.55	-0.28	0.0	-3.58e-04	4.64e-04
5021	4	0.36	0.55	-1.06	0.0	9.12e-05	2.57e-05
5021	44	0.32	-1.59	-0.86	0.0	7.91e-05	1.49e-05
5021	52	0.36	-0.25	-1.03	0.0	9.07e-05	2.28e-05
5021	68	0.25	0.36	-0.74	0.0	6.38e-05	1.74e-05
5021	88	0.22	-1.07	-0.61	0.0	5.57e-05	1.02e-05
5021	92	0.25	-0.18	-0.72	0.0	6.34e-05	1.55e-05
5021	98	0.21	-0.14	-0.60	0.0	5.09e-05	1.30e-05
5021	105	0.20	-0.32	-0.56	0.0	4.84e-05	1.15e-05
5021	107	0.20	-0.14	-0.57	0.0	4.86e-05	1.19e-05
5021	108	8.23	7.81	-0.34	0.0	5.77e-04	-3.95e-04
5021	134	0.89	6.79	-0.92	0.0	8.63e-05	-3.45e-05
5021	139	-4.36	-10.62	-0.35	0.0	-2.34e-04	3.52e-04
5021	140	9.25	8.80	-0.31	0.0	6.43e-04	-4.46e-04
5021	166	0.98	7.67	-0.97	0.0	9.09e-05	-4.07e-05
5021	171	-4.94	-11.95	-0.32	0.0	-2.69e-04	3.96e-04
5021	176	9.16	9.23	-0.37	0.0	6.21e-04	-5.68e-04
5021	198	0.96	7.65	-0.96	0.0	8.95e-05	-4.12e-05
5021	203	-4.92	-11.94	-0.32	0.0	-2.63e-04	3.94e-04
5021	208	10.69	10.81	-0.35	0.0	7.16e-04	-6.63e-04
5021	230	1.09	8.98	-1.02	0.0	9.59e-05	-5.29e-05
5021	235	-5.84	-14.01	-0.29	0.0	-3.16e-04	4.65e-04
5022	4	0.41	0.55	-1.06	0.0	9.96e-05	-1.11e-05
5022	44	0.36	-1.66	-0.86	0.0	8.41e-05	-1.30e-05
5022	68	0.29	0.36	-0.74	0.0	6.95e-05	-8.19e-06
5022	88	0.26	-1.12	-0.61	0.0	5.91e-05	-9.46e-06
5022	98	0.24	-0.16	-0.60	0.0	5.55e-05	-6.99e-06
5022	105	0.23	-0.34	-0.56	0.0	5.25e-05	-7.09e-06
5022	107	0.23	-0.15	-0.57	0.0	5.28e-05	-7.05e-06
5022	108	8.52	7.99	-0.34	0.0	5.08e-04	-4.32e-04
5022	134	0.94	7.03	-0.92	0.0	8.88e-05	-6.01e-05
5022	139	-4.47	-10.97	-0.35	0.0	-1.95e-04	3.52e-04
5022	140	9.57	9.01	-0.31	0.0	5.65e-04	-4.85e-04
5022	166	1.02	7.93	-0.96	0.0	9.31e-05	-6.71e-05
5022	171	-5.06	-12.34	-0.32	0.0	-2.26e-04	3.98e-04
5022	172	9.48	8.84	-0.32	0.0	5.55e-04	-4.71e-04
5022	198	1.01	7.92	-0.96	0.0	9.19e-05	-6.83e-05
5022	203	-5.04	-12.32	-0.32	0.0	-2.21e-04	3.96e-04
5022	204	11.05	10.32	-0.28	0.0	6.38e-04	-5.45e-04
5022	230	1.14	9.29	-1.02	0.0	9.80e-05	-8.18e-05
5022	235	-5.99	-14.45	-0.29	0.0	-2.68e-04	4.71e-04
5023	4	0.47	0.55	-1.06	0.0	9.02e-05	-4.39e-05
5023	44	0.41	-1.73	-0.86	0.0	7.55e-05	-3.78e-05
5023	68	0.33	0.36	-0.74	0.0	6.28e-05	-3.10e-05
5023	88	0.29	-1.16	-0.61	0.0	5.30e-05	-2.69e-05
5023	98	0.27	-0.17	-0.60	0.0	5.04e-05	-2.49e-05
5023	105	0.26	-0.36	-0.56	0.0	4.75e-05	-2.38e-05
5023	107	0.26	-0.16	-0.57	0.0	4.78e-05	-2.40e-05
5023	108	8.76	8.16	-0.34	0.0	4.23e-04	-4.66e-04
5023	134	0.98	7.25	-0.92	0.0	-1.91e-04	-8.44e-05
5023	139	-4.56	-11.30	-0.35	0.0	1.10e-04	3.53e-04
5023	140	9.84	9.21	-0.31	0.0	4.70e-04	-5.22e-04
5023	166	1.07	8.19	-0.97	0.0	-2.21e-04	-9.24e-05
5023	171	-5.17	-12.71	-0.32	0.0	1.18e-04	4.02e-04
5023	172	9.74	9.04	-0.32	0.0	4.61e-04	-5.08e-04
5023	198	1.06	8.17	-0.96	0.0	-2.15e-04	-9.42e-05
5023	203	-5.14	-12.69	-0.32	0.0	1.16e-04	4.00e-04
5023	204	11.35	10.55	-0.28	0.0	5.28e-04	-5.85e-04
5023	230	1.19	9.59	-1.02	0.0	-2.58e-04	-1.10e-04
5023	235	-6.11	-14.88	-0.29	0.0	1.25e-04	4.79e-04
5024	4	0.33	0.55	-1.07	0.0	7.92e-05	1.43e-05
5024	44	0.29	-1.52	-0.88	0.0	6.94e-05	8.30e-06
5024	68	0.23	0.36	-0.75	0.0	5.54e-05	9.68e-06
5024	88	0.20	-1.02	-0.62	0.0	4.89e-05	5.69e-06
5024	98	0.19	-0.13	-0.61	0.0	4.42e-05	7.05e-06
5024	105	0.18	-0.30	-0.57	0.0	4.22e-05	6.27e-06
5024	107	0.18	-0.12	-0.58	0.0	4.23e-05	6.44e-06
5024	108	7.82	7.62	-0.39	0.0	6.41e-04	-4.14e-04
5024	134	-4.60	6.56	-0.88	0.0	7.95e-05	-4.50e-05
5024	139	1.31	-10.27	-0.38	0.0	-2.68e-04	3.55e-04
5024	140	8.78	8.59	-0.37	0.0	7.16e-04	-4.67e-04
5024	166	-5.21	7.40	-0.92	0.0	8.39e-05	-5.19e-05

5024	171	1.45	-11.56	-0.36	0.0	-3.07e-04	4.00e-04
5024	177	8.69	3.37	-0.27	0.0	5.58e-04	-4.57e-04
5024	198	-5.14	7.38	-0.91	0.0	8.22e-05	-5.38e-05
5024	203	1.40	-11.55	-0.36	0.0	-2.99e-04	4.00e-04
5024	209	10.12	3.95	-0.22	0.0	6.43e-04	-5.32e-04
5024	230	-6.03	8.66	-0.97	0.0	8.82e-05	-6.73e-05
5024	235	1.55	-13.55	-0.32	0.0	-3.57e-04	4.74e-04
5025	4	0.37	0.55	-1.07	0.0	7.88e-05	8.58e-06
5025	44	0.32	-1.59	-0.88	0.0	6.87e-05	2.96e-06
5025	68	0.26	0.36	-0.75	0.0	5.51e-05	5.61e-06
5025	88	0.23	-1.07	-0.62	0.0	4.83e-05	1.86e-06
5025	98	0.21	-0.14	-0.60	0.0	4.40e-05	3.86e-06
5025	105	0.20	-0.32	-0.57	0.0	4.19e-05	3.16e-06
5025	107	0.20	-0.13	-0.58	0.0	4.20e-05	3.32e-06
5025	108	8.14	7.81	-0.39	0.0	5.79e-04	-4.25e-04
5025	134	-4.76	6.79	-0.88	0.0	8.26e-05	-5.12e-05
5025	139	1.38	-10.62	-0.38	0.0	-2.46e-04	3.62e-04
5025	140	9.14	8.80	-0.37	0.0	6.47e-04	-4.78e-04
5025	166	-5.39	7.67	-0.92	0.0	8.75e-05	-5.85e-05
5025	171	1.52	-11.95	-0.36	0.0	-2.81e-04	4.08e-04
5025	172	9.04	8.64	-0.38	0.0	6.34e-04	-4.66e-04
5025	198	-5.32	7.65	-0.91	0.0	8.59e-05	-6.02e-05
5025	203	1.47	-11.94	-0.36	0.0	-2.74e-04	4.08e-04
5025	204	10.53	10.09	-0.35	0.0	7.31e-04	-5.41e-04
5025	230	-6.24	8.98	-0.97	0.0	9.26e-05	-7.43e-05
5025	235	1.63	-14.01	-0.32	0.0	-3.27e-04	4.84e-04
5026	4	0.41	0.55	-1.07	0.0	7.84e-05	-9.89e-06
5026	44	0.36	-1.66	-0.88	0.0	6.75e-05	-1.17e-05
5026	68	0.29	0.36	-0.75	0.0	5.47e-05	-7.30e-06
5026	88	0.25	-1.12	-0.62	0.0	4.74e-05	-8.48e-06
5026	98	0.24	-0.16	-0.60	0.0	4.38e-05	-6.31e-06
5026	105	0.22	-0.34	-0.57	0.0	4.15e-05	-6.39e-06
5026	107	0.22	-0.15	-0.58	0.0	4.16e-05	-6.38e-06
5026	108	8.42	7.99	-0.39	0.0	4.97e-04	-4.47e-04
5026	134	0.96	7.03	-0.88	0.0	-2.44e-04	-6.61e-05
5026	139	-4.42	-10.97	-0.38	0.0	1.15e-04	3.67e-04
5026	140	9.46	9.01	-0.37	0.0	5.55e-04	-5.02e-04
5026	166	1.05	7.93	-0.92	0.0	-2.79e-04	-7.41e-05
5026	171	-5.01	-12.34	-0.36	0.0	1.25e-04	4.15e-04
5026	172	9.35	8.84	-0.38	0.0	5.43e-04	-4.88e-04
5026	198	1.04	7.92	-0.91	0.0	-2.72e-04	-7.60e-05
5026	203	-4.97	-12.32	-0.36	0.0	1.23e-04	4.14e-04
5026	204	10.89	10.32	-0.35	0.0	6.25e-04	-5.65e-04
5026	230	1.17	9.29	-0.97	0.0	-3.23e-04	-9.13e-05
5026	235	-5.89	-14.45	-0.32	0.0	1.34e-04	4.92e-04
5027	4	0.45	0.55	-1.07	0.0	7.47e-05	-2.89e-05
5027	44	0.39	-1.73	-0.88	0.0	6.35e-05	-2.65e-05
5027	68	0.32	0.36	-0.75	0.0	5.20e-05	-2.06e-05
5027	88	0.28	-1.16	-0.62	0.0	4.45e-05	-1.90e-05
5027	98	0.26	-0.17	-0.60	0.0	4.17e-05	-1.69e-05
5027	105	0.25	-0.36	-0.57	0.0	3.94e-05	-1.63e-05
5027	107	0.25	-0.16	-0.58	0.0	3.95e-05	-1.65e-05
5027	108	8.66	8.16	-0.39	0.0	4.08e-04	-4.69e-04
5027	134	-5.01	7.25	-0.88	0.0	-2.05e-04	-8.15e-05
5027	139	1.50	-11.30	-0.38	0.0	1.10e-04	3.71e-04
5027	140	9.72	9.21	-0.37	0.0	4.54e-04	-5.26e-04
5027	166	-5.68	8.19	-0.92	0.0	-2.35e-04	-9.02e-05
5027	171	1.65	-12.71	-0.36	0.0	1.19e-04	4.20e-04
5027	172	9.60	9.04	-0.38	0.0	4.45e-04	-5.12e-04
5027	198	-5.60	8.17	-0.91	0.0	-2.29e-04	-9.24e-05
5027	203	1.60	-12.69	-0.36	0.0	1.17e-04	4.19e-04
5027	204	11.18	10.55	-0.35	0.0	5.10e-04	-5.91e-04
5027	230	-6.58	9.59	-0.97	0.0	-2.72e-04	-1.09e-04
5027	235	1.77	-14.88	-0.32	0.0	1.28e-04	5.01e-04
5028	4	0.33	0.55	-1.02	0.0	7.90e-05	0.0
5028	44	0.28	-1.52	-0.84	0.0	6.82e-05	-1.60e-06
5028	68	0.23	0.36	-0.71	0.0	5.51e-05	0.0
5028	88	0.20	-1.02	-0.59	0.0	4.80e-05	-1.24e-06
5028	98	0.19	-0.13	-0.58	0.0	4.41e-05	0.0
5028	105	0.18	-0.30	-0.55	0.0	4.18e-05	0.0
5028	107	0.18	-0.12	-0.55	0.0	4.20e-05	0.0
5028	108	7.72	7.62	-0.41	0.0	6.52e-04	-4.30e-04
5028	134	-4.58	6.56	-0.80	0.0	8.28e-05	-5.56e-05
5028	139	1.36	-10.28	-0.38	0.0	-2.76e-04	3.56e-04
5028	140	8.67	8.60	-0.40	0.0	7.28e-04	-4.84e-04

5028	166	-5.17	7.40	-0.84	0.0	8.77e-05	-6.30e-05
5028	171	1.50	-11.56	-0.36	0.0	-3.15e-04	4.02e-04
5028	172	8.55	8.44	-0.40	0.0	7.13e-04	-4.73e-04
5028	198	-5.10	7.39	-0.83	0.0	8.56e-05	-6.53e-05
5028	203	1.46	-11.55	-0.36	0.0	-3.05e-04	4.03e-04
5028	209	9.95	3.95	-0.27	0.0	6.51e-04	-5.48e-04
5028	230	-5.97	8.66	-0.87	0.0	9.21e-05	-7.98e-05
5028	235	1.62	-13.56	-0.33	0.0	-3.63e-04	4.79e-04
5029	4	0.37	0.55	-1.02	0.0	7.36e-05	-2.42e-06
5029	44	0.32	-1.59	-0.84	0.0	6.39e-05	-4.61e-06
5029	68	0.26	0.36	-0.71	0.0	5.14e-05	-1.96e-06
5029	88	0.23	-1.07	-0.60	0.0	4.49e-05	-3.42e-06
5029	98	0.21	-0.14	-0.58	0.0	4.11e-05	-2.06e-06
5029	105	0.20	-0.32	-0.55	0.0	3.90e-05	-2.23e-06
5029	107	0.20	-0.13	-0.55	0.0	3.91e-05	-2.21e-06
5029	108	8.04	7.81	-0.41	0.0	5.84e-04	-4.43e-04
5029	134	-4.74	6.79	-0.80	0.0	8.36e-05	-6.18e-05
5029	139	1.42	-10.62	-0.38	0.0	-2.55e-04	3.68e-04
5029	140	9.03	8.80	-0.40	0.0	6.53e-04	-4.99e-04
5029	166	-5.36	7.67	-0.84	0.0	8.89e-05	-6.97e-05
5029	171	1.57	-11.95	-0.36	0.0	-2.91e-04	4.16e-04
5029	172	8.91	8.65	-0.41	0.0	6.38e-04	-4.87e-04
5029	198	-5.28	7.65	-0.83	0.0	8.70e-05	-7.21e-05
5029	203	1.53	-11.94	-0.36	0.0	-2.82e-04	4.16e-04
5029	204	10.37	10.09	-0.38	0.0	7.35e-04	-5.64e-04
5029	230	-6.19	8.98	-0.87	0.0	9.43e-05	-8.76e-05
5029	235	1.69	-14.01	-0.33	0.0	-3.35e-04	4.95e-04
5030	4	0.40	0.55	-1.02	0.0	6.95e-05	-9.93e-06
5030	44	0.35	-1.66	-0.85	0.0	6.01e-05	-1.11e-05
5030	68	0.28	0.36	-0.72	0.0	4.84e-05	-7.27e-06
5030	88	0.25	-1.12	-0.60	0.0	4.21e-05	-8.03e-06
5030	98	0.23	-0.16	-0.58	0.0	3.87e-05	-6.34e-06
5030	105	0.22	-0.34	-0.55	0.0	3.67e-05	-6.32e-06
5030	107	0.22	-0.15	-0.55	0.0	3.67e-05	-6.34e-06
5030	108	8.33	7.99	-0.42	0.0	4.95e-04	-4.58e-04
5030	134	-4.88	7.03	-0.80	0.0	-2.54e-04	-6.97e-05
5030	139	1.49	-10.97	-0.38	0.0	1.16e-04	3.76e-04
5030	140	9.35	9.01	-0.40	0.0	5.52e-04	-5.15e-04
5030	166	-5.52	7.93	-0.84	0.0	-2.90e-04	-7.82e-05
5030	171	1.64	-12.34	-0.36	0.0	1.26e-04	4.25e-04
5030	172	9.22	8.84	-0.41	0.0	5.40e-04	-5.02e-04
5030	198	-5.44	7.92	-0.83	0.0	-2.82e-04	-8.06e-05
5030	203	1.59	-12.32	-0.36	0.0	1.24e-04	4.25e-04
5030	204	10.72	10.32	-0.39	0.0	6.21e-04	-5.81e-04
5030	230	-6.38	9.29	-0.87	0.0	-3.33e-04	-9.69e-05
5030	235	1.77	-14.45	-0.33	0.0	1.36e-04	5.06e-04
5031	4	0.44	0.55	-1.02	0.0	6.74e-05	-1.85e-05
5031	44	0.38	-1.73	-0.85	0.0	5.76e-05	-1.81e-05
5031	68	0.31	0.36	-0.72	0.0	4.68e-05	-1.33e-05
5031	88	0.27	-1.16	-0.60	0.0	4.02e-05	-1.31e-05
5031	98	0.25	-0.17	-0.58	0.0	3.73e-05	-1.14e-05
5031	105	0.24	-0.36	-0.55	0.0	3.52e-05	-1.11e-05
5031	107	0.24	-0.16	-0.55	0.0	3.53e-05	-1.11e-05
5031	108	8.56	8.16	-0.42	0.0	4.00e-04	-4.72e-04
5031	134	-5.00	7.25	-0.81	0.0	-2.10e-04	-7.72e-05
5031	139	1.55	-11.30	-0.39	0.0	1.09e-04	3.80e-04
5031	140	9.61	9.21	-0.40	0.0	4.46e-04	-5.30e-04
5031	166	-5.66	8.19	-0.84	0.0	-2.41e-04	-8.60e-05
5031	171	1.71	-12.71	-0.37	0.0	1.18e-04	4.30e-04
5031	172	9.47	9.04	-0.41	0.0	4.36e-04	-5.17e-04
5031	198	-5.57	8.17	-0.83	0.0	-2.34e-04	-8.85e-05
5031	203	1.66	-12.69	-0.36	0.0	1.17e-04	4.30e-04
5031	204	11.01	10.55	-0.39	0.0	5.00e-04	-5.97e-04
5031	230	-6.53	9.59	-0.88	0.0	-2.77e-04	-1.05e-04
5031	235	1.84	-14.88	-0.33	0.0	1.28e-04	5.13e-04
5032	4	0.32	0.55	-0.92	0.0	7.67e-05	-5.15e-06
5032	44	0.28	-1.52	-0.77	0.0	6.58e-05	-5.46e-06
5032	68	0.23	0.36	-0.64	0.0	5.35e-05	-3.73e-06
5032	88	0.20	-1.02	-0.54	0.0	4.62e-05	-3.93e-06
5032	98	0.19	-0.13	-0.52	0.0	4.28e-05	-3.47e-06
5032	105	0.18	-0.30	-0.50	0.0	4.05e-05	-3.35e-06
5032	107	0.18	-0.12	-0.50	0.0	4.07e-05	-3.41e-06
5032	108	7.62	7.63	-0.41	0.0	6.57e-04	-4.37e-04
5032	134	-4.56	6.56	-0.69	0.0	8.78e-05	-5.90e-05
5032	139	1.41	-10.28	-0.37	0.0	-2.85e-04	3.56e-04

5032	140	8.56	8.60	-0.39	0.0	7.34e-04	-4.92e-04
5032	166	-5.15	7.40	-0.72	0.0	9.34e-05	-6.65e-05
5032	171	1.56	-11.56	-0.35	0.0	-3.25e-04	4.02e-04
5032	172	8.42	8.45	-0.40	0.0	7.16e-04	-4.81e-04
5032	198	-5.06	7.39	-0.71	0.0	9.10e-05	-6.90e-05
5032	203	1.51	-11.56	-0.35	0.0	-3.14e-04	4.04e-04
5032	209	9.79	3.95	-0.30	0.0	6.51e-04	-5.56e-04
5032	230	-5.92	8.67	-0.75	0.0	9.85e-05	-8.37e-05
5032	235	1.69	-13.56	-0.32	0.0	-3.72e-04	4.81e-04
5033	4	0.36	0.55	-0.93	0.0	7.13e-05	-7.18e-06
5033	44	0.32	-1.59	-0.78	0.0	6.14e-05	-7.72e-06
5033	68	0.25	0.36	-0.65	0.0	4.97e-05	-5.22e-06
5033	88	0.22	-1.07	-0.55	0.0	4.30e-05	-5.58e-06
5033	98	0.21	-0.14	-0.53	0.0	3.97e-05	-4.68e-06
5033	105	0.20	-0.32	-0.50	0.0	3.76e-05	-4.59e-06
5033	107	0.20	-0.13	-0.51	0.0	3.77e-05	-4.63e-06
5033	108	7.95	7.81	-0.41	0.0	5.88e-04	-4.53e-04
5033	134	-4.72	6.80	-0.70	0.0	8.68e-05	-6.51e-05
5033	139	1.47	-10.62	-0.37	0.0	-2.62e-04	3.70e-04
5033	140	8.93	8.81	-0.40	0.0	6.57e-04	-5.10e-04
5033	166	-5.34	7.67	-0.72	0.0	9.26e-05	-7.32e-05
5033	171	1.63	-11.95	-0.36	0.0	-2.99e-04	4.18e-04
5033	172	8.78	8.65	-0.41	0.0	6.41e-04	-4.98e-04
5033	198	-5.24	7.65	-0.72	0.0	9.05e-05	-7.58e-05
5033	203	1.59	-11.94	-0.36	0.0	-2.88e-04	4.19e-04
5033	204	10.21	10.09	-0.39	0.0	7.37e-04	-5.78e-04
5033	230	-6.14	8.98	-0.75	0.0	9.85e-05	-9.17e-05
5033	235	1.77	-14.01	-0.33	0.0	-3.41e-04	4.99e-04
5034	4	0.40	0.55	-0.94	0.0	6.67e-05	-9.78e-06
5034	44	0.35	-1.66	-0.79	0.0	5.73e-05	-1.04e-05
5034	68	0.28	0.36	-0.66	0.0	4.63e-05	-7.12e-06
5034	88	0.24	-1.12	-0.56	0.0	4.01e-05	-7.52e-06
5034	98	0.23	-0.16	-0.54	0.0	3.68e-05	-6.32e-06
5034	105	0.22	-0.34	-0.51	0.0	3.49e-05	-6.22e-06
5034	107	0.22	-0.15	-0.51	0.0	3.49e-05	-6.25e-06
5034	108	8.23	7.99	-0.42	0.0	4.95e-04	-4.65e-04
5034	134	-4.87	7.03	-0.70	0.0	-2.59e-04	-6.98e-05
5034	139	1.54	-10.97	-0.38	0.0	1.17e-04	3.79e-04
5034	140	9.24	9.01	-0.40	0.0	5.53e-04	-5.23e-04
5034	166	-5.51	7.93	-0.73	0.0	-2.96e-04	-7.84e-05
5034	171	1.70	-12.34	-0.36	0.0	1.27e-04	4.29e-04
5034	172	9.09	8.84	-0.41	0.0	5.39e-04	-5.11e-04
5034	198	-5.41	7.92	-0.72	0.0	-2.87e-04	-8.11e-05
5034	203	1.66	-12.32	-0.36	0.0	1.26e-04	4.29e-04
5034	204	10.56	10.32	-0.40	0.0	6.20e-04	-5.92e-04
5034	230	-6.33	9.29	-0.76	0.0	-3.38e-04	-9.76e-05
5034	235	1.84	-14.45	-0.34	0.0	1.39e-04	5.11e-04
5035	4	0.43	0.55	-0.95	0.0	6.45e-05	-1.29e-05
5035	44	0.38	-1.73	-0.80	0.0	5.50e-05	-1.33e-05
5035	68	0.30	0.36	-0.66	0.0	4.47e-05	-9.37e-06
5035	88	0.26	-1.16	-0.56	0.0	3.83e-05	-9.63e-06
5035	98	0.25	-0.17	-0.54	0.0	3.53e-05	-8.37e-06
5035	105	0.24	-0.36	-0.51	0.0	3.33e-05	-8.21e-06
5035	107	0.24	-0.16	-0.51	0.0	3.34e-05	-8.24e-06
5035	108	8.46	8.16	-0.42	0.0	3.97e-04	-4.75e-04
5035	134	-4.99	7.25	-0.71	0.0	-2.11e-04	-7.33e-05
5035	139	1.60	-11.30	-0.38	0.0	1.08e-04	3.84e-04
5035	140	9.50	9.21	-0.41	0.0	4.43e-04	-5.34e-04
5035	166	-5.65	8.19	-0.73	0.0	-2.42e-04	-8.20e-05
5035	171	1.77	-12.71	-0.37	0.0	1.17e-04	4.35e-04
5035	172	9.34	9.04	-0.41	0.0	4.32e-04	-5.21e-04
5035	198	-5.54	8.17	-0.73	0.0	-2.35e-04	-8.47e-05
5035	203	1.72	-12.69	-0.37	0.0	1.16e-04	4.35e-04
5035	204	10.85	10.55	-0.40	0.0	4.96e-04	-6.03e-04
5035	230	-6.49	9.59	-0.76	0.0	-2.77e-04	-1.02e-04
5035	235	1.91	-14.88	-0.34	0.0	1.27e-04	5.18e-04
5036	4	0.55	0.55	-1.00	0.0	7.07e-05	-6.20e-05
5036	44	0.47	-1.80	-0.79	0.0	5.97e-05	-5.13e-05
5036	68	0.38	0.36	-0.70	0.0	4.93e-05	-4.37e-05
5036	88	0.33	-1.21	-0.56	0.0	4.19e-05	-3.65e-05
5036	98	0.31	-0.19	-0.56	0.0	4.03e-05	-3.49e-05
5036	105	0.30	-0.38	-0.53	0.0	3.81e-05	-3.31e-05
5036	107	0.30	-0.18	-0.53	0.0	3.82e-05	-3.35e-05
5036	109	9.07	3.69	-0.18	0.0	2.80e-04	-6.04e-04
5036	134	1.01	7.47	-0.95	0.0	-1.70e-04	-8.98e-05

5036	139	-4.66	-11.61	-0.28	0.0	9.69e-05	3.37e-04
5036	141	10.18	4.19	-0.14	0.0	3.11e-04	-6.76e-04
5036	166	1.10	8.43	-1.01	0.0	-1.96e-04	-9.73e-05
5036	171	-5.29	-13.06	-0.24	0.0	1.04e-04	3.84e-04
5036	173	10.10	4.15	-0.16	0.0	3.06e-04	-6.61e-04
5036	198	1.09	8.41	-1.00	0.0	-1.91e-04	-9.87e-05
5036	203	-5.29	-13.04	-0.24	0.0	1.02e-04	3.83e-04
5036	205	11.78	4.90	-0.10	0.0	3.50e-04	-7.63e-04
5036	230	1.22	9.87	-1.07	0.0	-2.28e-04	-1.13e-04
5036	235	-6.29	-15.29	-0.20	0.0	1.11e-04	4.60e-04
5037	4	0.57	0.55	-1.01	0.0	2.70e-05	-7.22e-05
5037	44	0.49	-1.86	-0.80	0.0	2.45e-05	-5.96e-05
5037	68	0.40	0.36	-0.71	0.0	1.88e-05	-5.10e-05
5037	88	0.35	-1.25	-0.57	0.0	1.71e-05	-4.26e-05
5037	98	0.33	-0.20	-0.56	0.0	1.72e-05	-4.02e-05
5037	105	0.31	-0.39	-0.53	0.0	1.63e-05	-3.82e-05
5037	107	0.31	-0.19	-0.54	0.0	1.60e-05	-3.89e-05
5037	109	9.22	3.74	-0.19	0.0	2.88e-04	-6.33e-04
5037	134	1.05	7.69	-0.96	0.0	-1.89e-04	-1.08e-04
5037	139	-4.74	-11.93	-0.28	0.0	8.95e-05	3.57e-04
5037	141	10.35	4.24	-0.14	0.0	3.23e-04	-7.08e-04
5037	166	1.14	8.68	-1.01	0.0	-2.14e-04	-1.17e-04
5037	171	-5.38	-13.42	-0.25	0.0	9.86e-05	4.08e-04
5037	173	10.26	4.20	-0.16	0.0	3.15e-04	-6.92e-04
5037	198	1.13	8.66	-1.00	0.0	-2.09e-04	-1.19e-04
5037	203	-5.37	-13.39	-0.25	0.0	9.70e-05	4.07e-04
5037	205	11.96	4.96	-0.10	0.0	3.64e-04	-7.98e-04
5037	230	1.27	10.16	-1.07	0.0	-2.46e-04	-1.37e-04
5037	235	-6.40	-15.70	-0.20	0.0	1.09e-04	4.90e-04
5038	4	0.56	0.54	-1.02	0.0	0.0	-1.95e-05
5038	44	0.49	-1.92	-0.82	0.0	2.54e-06	-1.89e-05
5038	68	0.39	0.35	-0.72	0.0	0.0	-1.43e-05
5038	88	0.34	-1.29	-0.58	0.0	1.52e-06	-1.39e-05
5038	98	0.32	-0.21	-0.57	0.0	3.19e-06	-1.34e-05
5038	105	0.31	-0.41	-0.53	0.0	2.93e-06	-1.30e-05
5038	107	0.31	-0.20	-0.54	0.0	2.41e-06	-1.31e-05
5038	112	9.34	9.20	-0.32	0.0	1.96e-04	-6.18e-04
5038	134	1.08	7.86	-0.95	0.0	-2.03e-04	-7.38e-05
5038	139	-4.83	-12.19	-0.29	0.0	8.17e-05	3.80e-04
5038	144	10.49	10.38	-0.30	0.0	2.21e-04	-6.95e-04
5038	166	1.17	8.87	-1.01	0.0	-2.29e-04	-8.19e-05
5038	171	-5.48	-13.71	-0.26	0.0	9.15e-05	4.30e-04
5038	176	10.40	10.25	-0.31	0.0	2.15e-04	-6.81e-04
5038	198	1.16	8.85	-1.00	0.0	-2.23e-04	-8.42e-05
5038	203	-5.47	-13.68	-0.26	0.0	8.99e-05	4.30e-04
5038	208	12.12	11.99	-0.27	0.0	2.49e-04	-7.92e-04
5038	230	1.30	10.39	-1.07	0.0	-2.60e-04	-1.00e-04
5038	235	-6.51	-16.03	-0.22	0.0	1.03e-04	5.14e-04
5039	4	0.51	0.55	-1.06	0.0	6.92e-05	-5.36e-05
5039	44	0.44	-1.80	-0.86	0.0	5.82e-05	-4.55e-05
5039	68	0.36	0.36	-0.74	0.0	4.81e-05	-3.78e-05
5039	88	0.31	-1.21	-0.61	0.0	4.07e-05	-3.25e-05
5039	98	0.29	-0.19	-0.60	0.0	3.92e-05	-3.05e-05
5039	105	0.28	-0.38	-0.56	0.0	3.69e-05	-2.90e-05
5039	107	0.28	-0.18	-0.57	0.0	3.70e-05	-2.94e-05
5039	108	8.95	8.33	-0.34	0.0	3.41e-04	-4.83e-04
5039	134	1.03	7.47	-0.92	0.0	-1.76e-04	-9.50e-05
5039	139	-4.63	-11.61	-0.35	0.0	1.04e-04	3.60e-04
5039	140	10.05	9.40	-0.31	0.0	3.79e-04	-5.40e-04
5039	166	1.12	8.43	-0.97	0.0	-2.02e-04	-1.04e-04
5039	171	-5.26	-13.06	-0.32	0.0	1.13e-04	4.10e-04
5039	172	9.95	9.22	-0.32	0.0	3.71e-04	-5.26e-04
5039	198	1.11	8.41	-0.96	0.0	-1.97e-04	-1.06e-04
5039	203	-5.23	-13.04	-0.33	0.0	1.11e-04	4.09e-04
5039	204	11.58	10.76	-0.28	0.0	4.25e-04	-6.05e-04
5039	230	1.24	9.87	-1.02	0.0	-2.35e-04	-1.22e-04
5039	235	-6.22	-15.29	-0.29	0.0	1.21e-04	4.90e-04
5040	4	0.54	0.55	-1.07	0.0	4.90e-05	-4.91e-05
5040	44	0.47	-1.86	-0.87	0.0	4.16e-05	-4.24e-05
5040	68	0.38	0.36	-0.75	0.0	3.40e-05	-3.49e-05
5040	88	0.33	-1.25	-0.62	0.0	2.90e-05	-3.04e-05
5040	98	0.31	-0.20	-0.60	0.0	2.84e-05	-2.85e-05
5040	105	0.29	-0.40	-0.57	0.0	2.67e-05	-2.72e-05
5040	107	0.29	-0.19	-0.57	0.0	2.66e-05	-2.76e-05
5040	108	9.09	8.50	-0.34	0.0	2.23e-04	-4.91e-04

5040	134	1.07	7.68	-0.93	0.0	-1.68e-04	-9.36e-05
5040	139	-4.71	-11.93	-0.35	0.0	9.88e-05	3.67e-04
5040	140	10.21	9.59	-0.31	0.0	2.48e-04	-5.49e-04
5040	166	1.17	8.67	-0.97	0.0	-1.92e-04	-1.02e-04
5040	171	-5.34	-13.41	-0.33	0.0	1.08e-04	4.18e-04
5040	172	10.10	9.40	-0.32	0.0	2.42e-04	-5.36e-04
5040	198	1.15	8.65	-0.96	0.0	-1.87e-04	-1.05e-04
5040	203	-5.32	-13.39	-0.33	0.0	1.06e-04	4.17e-04
5040	204	11.76	10.97	-0.28	0.0	2.77e-04	-6.17e-04
5040	230	1.29	10.16	-1.03	0.0	-2.21e-04	-1.22e-04
5040	235	-6.32	-15.69	-0.29	0.0	1.18e-04	5.00e-04
5041	4	0.55	0.54	-1.08	0.0	3.91e-05	-2.15e-05
5041	44	0.48	-1.92	-0.88	0.0	3.34e-05	-2.07e-05
5041	68	0.39	0.35	-0.76	0.0	2.71e-05	-1.57e-05
5041	88	0.34	-1.29	-0.63	0.0	2.32e-05	-1.52e-05
5041	98	0.32	-0.21	-0.61	0.0	2.30e-05	-1.45e-05
5041	105	0.30	-0.41	-0.57	0.0	2.16e-05	-1.41e-05
5041	107	0.30	-0.20	-0.58	0.0	2.15e-05	-1.42e-05
5041	112	9.21	9.19	-0.40	0.0	1.91e-04	-6.20e-04
5041	134	1.11	7.85	-0.94	0.0	-1.65e-04	-7.53e-05
5041	139	-4.78	-12.19	-0.36	0.0	9.50e-05	3.79e-04
5041	144	10.34	10.38	-0.38	0.0	2.13e-04	-6.97e-04
5041	166	1.21	8.87	-0.98	0.0	-1.89e-04	-8.35e-05
5041	171	-5.43	-13.71	-0.33	0.0	1.04e-04	4.30e-04
5041	176	10.23	10.24	-0.39	0.0	2.07e-04	-6.83e-04
5041	198	1.19	8.85	-0.97	0.0	-1.84e-04	-8.59e-05
5041	203	-5.40	-13.68	-0.33	0.0	1.03e-04	4.30e-04
5041	208	11.92	11.99	-0.36	0.0	2.37e-04	-7.94e-04
5041	230	1.33	10.39	-1.04	0.0	-2.17e-04	-1.02e-04
5041	235	-6.41	-16.03	-0.29	0.0	1.14e-04	5.14e-04
5042	4	0.49	0.55	-1.07	0.0	6.79e-05	-3.65e-05
5042	44	0.42	-1.80	-0.88	0.0	5.71e-05	-3.25e-05
5042	68	0.34	0.36	-0.75	0.0	4.71e-05	-2.60e-05
5042	88	0.30	-1.21	-0.62	0.0	3.99e-05	-2.33e-05
5042	98	0.28	-0.19	-0.61	0.0	3.79e-05	-2.15e-05
5042	105	0.27	-0.38	-0.57	0.0	3.57e-05	-2.06e-05
5042	107	0.27	-0.18	-0.58	0.0	3.58e-05	-2.08e-05
5042	108	8.84	8.33	-0.39	0.0	3.28e-04	-4.83e-04
5042	134	-5.10	7.47	-0.88	0.0	-1.74e-04	-8.80e-05
5042	139	1.55	-11.61	-0.38	0.0	1.05e-04	3.74e-04
5042	140	9.92	9.40	-0.37	0.0	3.65e-04	-5.41e-04
5042	166	-5.78	8.43	-0.92	0.0	-2.00e-04	-9.69e-05
5042	171	1.71	-13.06	-0.36	0.0	1.13e-04	4.25e-04
5042	172	9.80	9.22	-0.38	0.0	3.56e-04	-5.27e-04
5042	198	-5.70	8.41	-0.91	0.0	-1.94e-04	-9.93e-05
5042	203	1.65	-13.04	-0.36	0.0	1.12e-04	4.24e-04
5042	204	11.40	10.76	-0.35	0.0	4.08e-04	-6.07e-04
5042	230	-6.70	9.87	-0.97	0.0	-2.31e-04	-1.16e-04
5042	235	1.83	-15.29	-0.32	0.0	1.23e-04	5.07e-04
5043	4	0.52	0.55	-1.08	0.0	6.17e-05	-3.24e-05
5043	44	0.45	-1.86	-0.89	0.0	5.16e-05	-2.93e-05
5043	68	0.36	0.36	-0.76	0.0	4.27e-05	-2.32e-05
5043	88	0.32	-1.25	-0.63	0.0	3.60e-05	-2.11e-05
5043	98	0.30	-0.20	-0.61	0.0	3.45e-05	-1.98e-05
5043	105	0.28	-0.40	-0.58	0.0	3.24e-05	-1.90e-05
5043	107	0.28	-0.19	-0.58	0.0	3.25e-05	-1.92e-05
5043	108	8.98	8.50	-0.40	0.0	2.14e-04	-4.87e-04
5043	134	-5.18	7.68	-0.89	0.0	-1.51e-04	-8.44e-05
5043	139	1.60	-11.92	-0.39	0.0	1.01e-04	3.77e-04
5043	140	10.07	9.59	-0.37	0.0	2.37e-04	-5.46e-04
5043	166	-5.87	8.67	-0.92	0.0	-1.74e-04	-9.31e-05
5043	171	1.76	-13.41	-0.36	0.0	1.09e-04	4.28e-04
5043	172	9.95	9.40	-0.38	0.0	2.31e-04	-5.32e-04
5043	198	-5.79	8.65	-0.92	0.0	-1.69e-04	-9.55e-05
5043	203	1.71	-13.38	-0.36	0.0	1.08e-04	4.27e-04
5043	204	11.58	10.97	-0.35	0.0	2.63e-04	-6.15e-04
5043	230	-6.80	10.15	-0.97	0.0	-2.01e-04	-1.12e-04
5043	235	1.89	-15.69	-0.33	0.0	1.19e-04	5.11e-04
5044	4	0.55	0.54	-1.10	0.0	5.90e-05	-1.91e-05
5044	44	0.47	-1.92	-0.90	0.0	4.92e-05	-1.87e-05
5044	68	0.38	0.35	-0.77	0.0	4.08e-05	-1.40e-05
5044	88	0.33	-1.29	-0.64	0.0	3.43e-05	-1.38e-05
5044	98	0.31	-0.21	-0.62	0.0	3.30e-05	-1.33e-05
5044	105	0.30	-0.41	-0.58	0.0	3.09e-05	-1.29e-05
5044	107	0.30	-0.20	-0.59	0.0	3.10e-05	-1.30e-05

5044	108	9.09	8.63	-0.41	0.0	1.96e-04	-4.85e-04
5044	134	-5.25	7.86	-0.89	0.0	-1.43e-04	-7.44e-05
5044	139	1.65	-12.19	-0.40	0.0	9.89e-05	3.81e-04
5044	140	10.20	9.74	-0.38	0.0	2.17e-04	-5.44e-04
5044	166	-5.94	8.87	-0.93	0.0	-1.64e-04	-8.27e-05
5044	171	1.81	-13.71	-0.37	0.0	1.07e-04	4.32e-04
5044	177	10.07	3.53	-0.28	0.0	2.77e-04	-5.33e-04
5044	198	-5.86	8.85	-0.92	0.0	-1.60e-04	-8.51e-05
5044	203	1.76	-13.68	-0.37	0.0	1.06e-04	4.32e-04
5044	209	11.72	4.15	-0.23	0.0	3.16e-04	-6.16e-04
5044	230	-6.89	10.39	-0.98	0.0	-1.90e-04	-1.01e-04
5044	235	1.94	-16.03	-0.33	0.0	1.17e-04	5.16e-04
5045	4	0.47	0.55	-1.03	0.0	6.65e-05	-2.29e-05
5045	44	0.41	-1.80	-0.85	0.0	5.60e-05	-2.17e-05
5045	68	0.33	0.36	-0.72	0.0	4.60e-05	-1.65e-05
5045	88	0.29	-1.21	-0.60	0.0	3.91e-05	-1.57e-05
5045	98	0.27	-0.19	-0.58	0.0	3.66e-05	-1.42e-05
5045	105	0.26	-0.38	-0.55	0.0	3.45e-05	-1.38e-05
5045	107	0.26	-0.18	-0.56	0.0	3.45e-05	-1.39e-05
5045	108	8.73	8.33	-0.42	0.0	3.19e-04	-4.81e-04
5045	134	-5.09	7.47	-0.81	0.0	-1.70e-04	-8.03e-05
5045	139	1.60	-11.61	-0.39	0.0	1.03e-04	3.82e-04
5045	140	9.80	9.40	-0.40	0.0	3.54e-04	-5.40e-04
5045	166	-5.77	8.43	-0.84	0.0	-1.96e-04	-8.91e-05
5045	171	1.76	-13.06	-0.37	0.0	1.12e-04	4.33e-04
5045	172	9.66	9.22	-0.41	0.0	3.46e-04	-5.26e-04
5045	198	-5.67	8.41	-0.83	0.0	-1.90e-04	-9.17e-05
5045	203	1.71	-13.04	-0.37	0.0	1.10e-04	4.33e-04
5045	204	11.23	10.76	-0.39	0.0	3.96e-04	-6.08e-04
5045	230	-6.66	9.87	-0.88	0.0	-2.26e-04	-1.09e-04
5045	235	1.90	-15.29	-0.34	0.0	1.21e-04	5.16e-04
5046	4	0.51	0.55	-1.04	0.0	6.64e-05	-2.19e-05
5046	44	0.44	-1.86	-0.86	0.0	5.54e-05	-2.09e-05
5046	68	0.35	0.35	-0.73	0.0	4.59e-05	-1.59e-05
5046	88	0.31	-1.25	-0.61	0.0	3.86e-05	-1.52e-05
5046	98	0.29	-0.20	-0.59	0.0	3.64e-05	-1.43e-05
5046	105	0.27	-0.40	-0.56	0.0	3.42e-05	-1.38e-05
5046	107	0.27	-0.19	-0.56	0.0	3.43e-05	-1.39e-05
5046	108	8.87	8.49	-0.42	0.0	2.59e-04	-4.85e-04
5046	134	-5.17	7.67	-0.81	0.0	-1.40e-04	-7.84e-05
5046	139	1.65	-11.92	-0.39	0.0	9.85e-05	3.82e-04
5046	140	9.95	9.58	-0.41	0.0	2.88e-04	-5.44e-04
5046	166	-5.85	8.67	-0.84	0.0	-1.62e-04	-8.70e-05
5046	171	1.82	-13.41	-0.37	0.0	1.06e-04	4.33e-04
5046	172	9.81	9.39	-0.41	0.0	2.80e-04	-5.31e-04
5046	198	-5.75	8.65	-0.84	0.0	-1.57e-04	-8.95e-05
5046	203	1.76	-13.38	-0.37	0.0	1.05e-04	4.33e-04
5046	204	11.40	10.96	-0.39	0.0	3.19e-04	-6.14e-04
5046	230	-6.75	10.15	-0.88	0.0	-1.88e-04	-1.06e-04
5046	235	1.95	-15.68	-0.34	0.0	1.15e-04	5.17e-04
5047	4	0.54	0.54	-1.05	0.0	6.68e-05	-1.75e-05
5047	44	0.47	-1.92	-0.88	0.0	5.54e-05	-1.74e-05
5047	68	0.38	0.35	-0.74	0.0	4.61e-05	-1.29e-05
5047	88	0.33	-1.29	-0.62	0.0	3.86e-05	-1.28e-05
5047	98	0.31	-0.21	-0.60	0.0	3.65e-05	-1.24e-05
5047	105	0.29	-0.41	-0.56	0.0	3.42e-05	-1.21e-05
5047	107	0.29	-0.20	-0.57	0.0	3.43e-05	-1.22e-05
5047	108	8.98	8.63	-0.43	0.0	2.37e-04	-4.84e-04
5047	134	-5.22	7.86	-0.82	0.0	-1.29e-04	-7.38e-05
5047	139	1.69	-12.19	-0.40	0.0	9.69e-05	3.82e-04
5047	140	10.07	9.74	-0.41	0.0	2.62e-04	-5.44e-04
5047	166	-5.92	8.87	-0.85	0.0	-1.49e-04	-8.21e-05
5047	171	1.86	-13.71	-0.38	0.0	1.05e-04	4.33e-04
5047	172	9.93	9.54	-0.42	0.0	2.56e-04	-5.32e-04
5047	198	-5.82	8.85	-0.85	0.0	-1.45e-04	-8.45e-05
5047	203	1.81	-13.68	-0.38	0.0	1.03e-04	4.33e-04
5047	204	11.53	11.14	-0.40	0.0	2.91e-04	-6.15e-04
5047	230	-6.83	10.39	-0.89	0.0	-1.73e-04	-1.01e-04
5047	235	2.01	-16.03	-0.35	0.0	1.13e-04	5.17e-04
5048	4	0.46	0.55	-0.95	0.0	6.47e-05	-1.53e-05
5048	44	0.40	-1.80	-0.80	0.0	5.45e-05	-1.54e-05
5048	68	0.33	0.36	-0.67	0.0	4.47e-05	-1.12e-05
5048	88	0.28	-1.21	-0.57	0.0	3.79e-05	-1.12e-05
5048	98	0.27	-0.19	-0.54	0.0	3.51e-05	-1.02e-05
5048	105	0.25	-0.38	-0.51	0.0	3.30e-05	-9.94e-06

5048	107	0.25	-0.18	-0.52	0.0	3.31e-05	-9.97e-06
5048	108	8.63	8.33	-0.42	0.0	3.14e-04	-4.81e-04
5048	134	-5.08	7.47	-0.71	0.0	-1.68e-04	-7.49e-05
5048	139	1.65	-11.61	-0.39	0.0	9.99e-05	3.86e-04
5048	140	9.69	9.40	-0.41	0.0	3.49e-04	-5.40e-04
5048	166	-5.75	8.43	-0.73	0.0	-1.93e-04	-8.36e-05
5048	171	1.82	-13.06	-0.37	0.0	1.08e-04	4.37e-04
5048	172	9.53	9.22	-0.42	0.0	3.40e-04	-5.27e-04
5048	198	-5.65	8.41	-0.73	0.0	-1.87e-04	-8.62e-05
5048	203	1.77	-13.04	-0.37	0.0	1.07e-04	4.37e-04
5048	204	11.06	10.76	-0.40	0.0	3.89e-04	-6.11e-04
5048	230	-6.61	9.87	-0.76	0.0	-2.22e-04	-1.03e-04
5048	235	1.97	-15.29	-0.34	0.0	1.18e-04	5.21e-04
5049	4	0.50	0.55	-0.96	0.0	6.59e-05	-1.66e-05
5049	44	0.43	-1.86	-0.81	0.0	5.50e-05	-1.66e-05
5049	68	0.35	0.35	-0.67	0.0	4.55e-05	-1.22e-05
5049	88	0.30	-1.25	-0.57	0.0	3.82e-05	-1.22e-05
5049	98	0.28	-0.20	-0.55	0.0	3.55e-05	-1.14e-05
5049	105	0.27	-0.40	-0.52	0.0	3.33e-05	-1.12e-05
5049	107	0.27	-0.19	-0.52	0.0	3.34e-05	-1.12e-05
5049	108	8.77	8.49	-0.43	0.0	2.53e-04	-4.84e-04
5049	134	-5.15	7.67	-0.71	0.0	-1.35e-04	-7.48e-05
5049	139	1.70	-11.92	-0.39	0.0	9.42e-05	3.85e-04
5049	140	9.84	9.58	-0.41	0.0	2.80e-04	-5.43e-04
5049	166	-5.84	8.66	-0.74	0.0	-1.56e-04	-8.33e-05
5049	171	1.87	-13.40	-0.37	0.0	1.02e-04	4.36e-04
5049	172	9.67	9.39	-0.42	0.0	2.73e-04	-5.31e-04
5049	198	-5.73	8.64	-0.73	0.0	-1.51e-04	-8.58e-05
5049	203	1.82	-13.38	-0.37	0.0	1.01e-04	4.36e-04
5049	204	11.23	10.96	-0.41	0.0	3.11e-04	-6.14e-04
5049	230	-6.71	10.14	-0.77	0.0	-1.81e-04	-1.02e-04
5049	235	2.03	-15.68	-0.35	0.0	1.10e-04	5.20e-04
5050	4	0.53	0.54	-0.98	0.0	6.69e-05	-1.72e-05
5050	44	0.46	-1.92	-0.83	0.0	5.55e-05	-1.71e-05
5050	68	0.37	0.35	-0.69	0.0	4.61e-05	-1.27e-05
5050	88	0.32	-1.29	-0.59	0.0	3.85e-05	-1.26e-05
5050	98	0.30	-0.22	-0.56	0.0	3.59e-05	-1.23e-05
5050	105	0.29	-0.41	-0.53	0.0	3.36e-05	-1.20e-05
5050	107	0.29	-0.20	-0.53	0.0	3.38e-05	-1.20e-05
5050	108	8.87	8.63	-0.43	0.0	2.30e-04	-4.85e-04
5050	134	-5.21	7.86	-0.72	0.0	-1.22e-04	-7.38e-05
5050	139	1.74	-12.19	-0.40	0.0	9.22e-05	3.83e-04
5050	140	9.96	9.74	-0.42	0.0	2.55e-04	-5.44e-04
5050	166	-5.90	8.87	-0.75	0.0	-1.42e-04	-8.21e-05
5050	171	1.92	-13.71	-0.38	0.0	9.94e-05	4.34e-04
5050	172	9.79	9.55	-0.43	0.0	2.48e-04	-5.32e-04
5050	198	-5.79	8.85	-0.74	0.0	-1.37e-04	-8.46e-05
5050	203	1.87	-13.68	-0.38	0.0	9.82e-05	4.34e-04
5050	204	11.36	11.14	-0.41	0.0	2.82e-04	-6.16e-04
5050	230	-6.78	10.39	-0.78	0.0	-1.65e-04	-1.01e-04
5050	235	2.08	-16.03	-0.36	0.0	1.07e-04	5.18e-04
5051	4	0.32	0.55	-0.83	0.0	7.41e-05	-6.70e-06
5051	44	0.28	-1.52	-0.71	0.0	6.32e-05	-6.51e-06
5051	68	0.22	0.36	-0.58	0.0	5.16e-05	-4.80e-06
5051	88	0.20	-1.02	-0.50	0.0	4.43e-05	-4.68e-06
5051	98	0.19	-0.13	-0.48	0.0	4.13e-05	-4.41e-06
5051	105	0.18	-0.30	-0.45	0.0	3.90e-05	-4.20e-06
5051	107	0.18	-0.12	-0.45	0.0	3.92e-05	-4.27e-06
5051	108	7.52	7.63	-0.39	0.0	6.58e-04	-4.41e-04
5051	134	-4.54	6.56	-0.58	0.0	9.33e-05	-5.85e-05
5051	139	1.45	-10.28	-0.37	0.0	-2.94e-04	3.55e-04
5051	140	8.45	8.60	-0.39	0.0	7.35e-04	-4.96e-04
5051	166	-5.13	7.41	-0.59	0.0	9.97e-05	-6.59e-05
5051	171	1.61	-11.57	-0.36	0.0	-3.35e-04	4.01e-04
5051	172	8.29	8.45	-0.39	0.0	7.15e-04	-4.86e-04
5051	198	-5.03	7.39	-0.59	0.0	9.71e-05	-6.85e-05
5051	203	1.57	-11.56	-0.36	0.0	-3.21e-04	4.03e-04
5051	209	9.62	3.95	-0.33	0.0	6.47e-04	-5.62e-04
5051	230	-5.88	8.67	-0.61	0.0	1.06e-04	-8.30e-05
5051	235	1.76	-13.56	-0.34	0.0	-3.79e-04	4.80e-04
5052	4	0.36	0.55	-0.85	0.0	7.00e-05	-8.57e-06
5052	44	0.31	-1.59	-0.72	0.0	5.97e-05	-8.52e-06
5052	68	0.25	0.36	-0.60	0.0	4.87e-05	-6.18e-06
5052	88	0.22	-1.07	-0.51	0.0	4.18e-05	-6.15e-06
5052	98	0.21	-0.14	-0.49	0.0	3.88e-05	-5.59e-06

5052	105	0.20	-0.32	-0.46	0.0	3.66e-05	-5.39e-06
5052	107	0.20	-0.13	-0.46	0.0	3.67e-05	-5.45e-06
5052	108	7.85	7.81	-0.40	0.0	5.89e-04	-4.58e-04
5052	134	-4.71	6.80	-0.59	0.0	-3.08e-04	-6.42e-05
5052	139	1.53	-10.62	-0.38	0.0	1.31e-04	3.69e-04
5052	140	8.82	8.81	-0.39	0.0	6.58e-04	-5.15e-04
5052	166	-5.33	7.67	-0.60	0.0	-3.51e-04	-7.21e-05
5052	171	1.69	-11.95	-0.37	0.0	1.43e-04	4.17e-04
5052	172	8.65	8.65	-0.40	0.0	6.40e-04	-5.04e-04
5052	198	-5.22	7.65	-0.60	0.0	-3.40e-04	-7.48e-05
5052	203	1.65	-11.94	-0.37	0.0	1.42e-04	4.18e-04
5052	204	10.04	10.09	-0.39	0.0	7.36e-04	-5.85e-04
5052	230	-6.10	8.98	-0.62	0.0	-3.99e-04	-9.04e-05
5052	235	1.84	-14.01	-0.35	0.0	1.57e-04	4.99e-04
5053	4	0.39	0.55	-0.86	0.0	6.58e-05	-9.63e-06
5053	44	0.34	-1.66	-0.73	0.0	5.61e-05	-9.90e-06
5053	68	0.28	0.36	-0.60	0.0	4.56e-05	-7.00e-06
5053	88	0.24	-1.12	-0.52	0.0	3.91e-05	-7.18e-06
5053	98	0.23	-0.16	-0.49	0.0	3.61e-05	-6.41e-06
5053	105	0.21	-0.34	-0.47	0.0	3.40e-05	-6.24e-06
5053	107	0.22	-0.15	-0.47	0.0	3.41e-05	-6.29e-06
5053	108	8.14	7.99	-0.41	0.0	4.96e-04	-4.70e-04
5053	134	-4.86	7.03	-0.60	0.0	-2.63e-04	-6.80e-05
5053	139	1.59	-10.97	-0.38	0.0	1.19e-04	3.79e-04
5053	140	9.14	9.01	-0.40	0.0	5.54e-04	-5.28e-04
5053	166	-5.50	7.93	-0.61	0.0	-3.00e-04	-7.63e-05
5053	171	1.76	-12.34	-0.37	0.0	1.30e-04	4.28e-04
5053	172	8.96	8.84	-0.40	0.0	5.39e-04	-5.16e-04
5053	198	-5.38	7.92	-0.61	0.0	-2.90e-04	-7.91e-05
5053	203	1.72	-12.32	-0.37	0.0	1.29e-04	4.29e-04
5053	204	10.40	10.32	-0.39	0.0	6.20e-04	-5.99e-04
5053	230	-6.29	9.29	-0.63	0.0	-3.42e-04	-9.53e-05
5053	235	1.92	-14.45	-0.36	0.0	1.42e-04	5.12e-04
5054	4	0.43	0.55	-0.87	0.0	6.32e-05	-1.07e-05
5054	44	0.37	-1.73	-0.74	0.0	5.35e-05	-1.12e-05
5054	68	0.30	0.36	-0.61	0.0	4.36e-05	-7.86e-06
5054	88	0.26	-1.16	-0.53	0.0	3.72e-05	-8.19e-06
5054	98	0.24	-0.17	-0.50	0.0	3.42e-05	-7.36e-06
5054	105	0.23	-0.36	-0.47	0.0	3.22e-05	-7.22e-06
5054	107	0.23	-0.16	-0.47	0.0	3.22e-05	-7.24e-06
5054	108	8.37	8.16	-0.41	0.0	3.97e-04	-4.78e-04
5054	134	-4.99	7.25	-0.60	0.0	-2.13e-04	-7.02e-05
5054	139	1.65	-11.30	-0.39	0.0	1.07e-04	3.84e-04
5054	140	9.39	9.21	-0.40	0.0	4.43e-04	-5.37e-04
5054	166	-5.64	8.19	-0.62	0.0	-2.43e-04	-7.87e-05
5054	171	1.83	-12.71	-0.38	0.0	1.16e-04	4.35e-04
5054	172	9.21	9.04	-0.41	0.0	4.31e-04	-5.25e-04
5054	198	-5.52	8.17	-0.61	0.0	-2.36e-04	-8.15e-05
5054	203	1.79	-12.69	-0.38	0.0	1.15e-04	4.36e-04
5054	204	10.69	10.55	-0.40	0.0	4.94e-04	-6.09e-04
5054	230	-6.46	9.59	-0.64	0.0	-2.78e-04	-9.80e-05
5054	235	1.99	-14.88	-0.36	0.0	1.27e-04	5.19e-04
5055	4	0.32	0.55	-0.78	0.0	7.16e-05	-6.90e-06
5055	44	0.27	-1.52	-0.68	0.0	6.07e-05	-6.72e-06
5055	68	0.22	0.36	-0.54	0.0	4.98e-05	-4.96e-06
5055	88	0.19	-1.02	-0.48	0.0	4.25e-05	-4.85e-06
5055	98	0.18	-0.13	-0.45	0.0	3.97e-05	-4.69e-06
5055	105	0.17	-0.30	-0.43	0.0	3.75e-05	-4.47e-06
5055	107	0.17	-0.12	-0.43	0.0	3.76e-05	-4.53e-06
5055	108	7.43	7.63	-0.39	0.0	6.55e-04	-4.43e-04
5055	134	-4.53	6.56	-0.49	0.0	-3.49e-04	-5.69e-05
5055	139	1.50	-10.28	-0.39	0.0	1.46e-04	3.53e-04
5055	140	8.34	8.60	-0.38	0.0	7.33e-04	-4.98e-04
5055	166	-5.11	7.41	-0.50	0.0	-3.97e-04	-6.40e-05
5055	171	1.67	-11.57	-0.39	0.0	1.60e-04	3.99e-04
5055	172	8.17	8.45	-0.38	0.0	7.11e-04	-4.88e-04
5055	198	-5.00	7.39	-0.50	0.0	-3.83e-04	-6.66e-05
5055	203	1.63	-11.56	-0.39	0.0	1.59e-04	4.01e-04
5055	204	9.47	9.86	-0.38	0.0	8.17e-04	-5.67e-04
5055	230	-5.83	8.67	-0.51	0.0	-4.48e-04	-8.08e-05
5055	235	1.83	-13.56	-0.38	0.0	1.76e-04	4.79e-04
5056	4	0.35	0.55	-0.79	0.0	6.87e-05	-9.30e-06
5056	44	0.31	-1.59	-0.69	0.0	5.82e-05	-9.13e-06
5056	68	0.25	0.36	-0.56	0.0	4.76e-05	-6.73e-06
5056	88	0.22	-1.07	-0.49	0.0	4.07e-05	-6.62e-06

5056	98	0.20	-0.14	-0.46	0.0	3.78e-05	-6.28e-06
5056	105	0.19	-0.32	-0.44	0.0	3.57e-05	-6.05e-06
5056	107	0.19	-0.13	-0.44	0.0	3.58e-05	-6.11e-06
5056	108	7.76	7.81	-0.40	0.0	5.90e-04	-4.60e-04
5056	114	-7.37	-3.35	-0.50	0.0	-5.12e-04	4.46e-04
5056	139	1.58	-10.62	-0.40	0.0	1.36e-04	3.66e-04
5056	140	8.71	8.81	-0.39	0.0	6.59e-04	-5.17e-04
5056	146	-8.32	-3.75	-0.51	0.0	-5.81e-04	5.03e-04
5056	171	1.75	-11.95	-0.40	0.0	1.49e-04	4.14e-04
5056	172	8.53	8.65	-0.39	0.0	6.40e-04	-5.07e-04
5056	198	-5.19	7.65	-0.51	0.0	-3.46e-04	-7.26e-05
5056	203	1.71	-11.94	-0.40	0.0	1.47e-04	4.16e-04
5056	204	9.88	10.09	-0.39	0.0	7.35e-04	-5.89e-04
5056	230	-6.06	8.98	-0.52	0.0	-4.06e-04	-8.76e-05
5056	235	1.92	-14.01	-0.39	0.0	1.64e-04	4.96e-04
5057	4	0.39	0.55	-0.80	0.0	6.50e-05	-1.06e-05
5057	44	0.34	-1.66	-0.70	0.0	5.50e-05	-1.06e-05
5057	68	0.27	0.36	-0.56	0.0	4.50e-05	-7.70e-06
5057	88	0.24	-1.12	-0.50	0.0	3.83e-05	-7.73e-06
5057	98	0.22	-0.16	-0.47	0.0	3.53e-05	-7.27e-06
5057	105	0.21	-0.34	-0.44	0.0	3.33e-05	-7.05e-06
5057	107	0.21	-0.15	-0.44	0.0	3.33e-05	-7.10e-06
5057	108	8.05	7.99	-0.40	0.0	4.98e-04	-4.73e-04
5057	114	-7.62	-3.40	-0.51	0.0	-4.27e-04	4.56e-04
5057	139	1.65	-10.97	-0.41	0.0	1.22e-04	3.76e-04
5057	140	9.03	9.01	-0.40	0.0	5.56e-04	-5.31e-04
5057	146	-8.60	-3.82	-0.52	0.0	-4.85e-04	5.14e-04
5057	171	1.82	-12.34	-0.40	0.0	1.33e-04	4.25e-04
5057	172	8.84	8.84	-0.40	0.0	5.40e-04	-5.20e-04
5057	198	-5.36	7.92	-0.51	0.0	-2.95e-04	-7.72e-05
5057	203	1.79	-12.32	-0.40	0.0	1.32e-04	4.27e-04
5057	204	10.24	10.32	-0.39	0.0	6.20e-04	-6.03e-04
5057	230	-6.26	9.29	-0.52	0.0	-3.46e-04	-9.30e-05
5057	235	2.00	-14.45	-0.39	0.0	1.46e-04	5.09e-04
5058	4	0.42	0.55	-0.81	0.0	6.19e-05	-1.15e-05
5058	44	0.36	-1.73	-0.71	0.0	5.21e-05	-1.18e-05
5058	68	0.30	0.36	-0.57	0.0	4.26e-05	-8.47e-06
5058	88	0.26	-1.16	-0.50	0.0	3.61e-05	-8.63e-06
5058	98	0.24	-0.17	-0.47	0.0	3.31e-05	-8.13e-06
5058	105	0.23	-0.36	-0.45	0.0	3.11e-05	-7.93e-06
5058	107	0.23	-0.16	-0.45	0.0	3.11e-05	-7.96e-06
5058	108	8.28	8.16	-0.40	0.0	3.98e-04	-4.81e-04
5058	114	-7.81	-3.46	-0.51	0.0	-3.33e-04	4.63e-04
5058	139	1.71	-11.30	-0.41	0.0	1.07e-04	3.82e-04
5058	140	9.29	9.21	-0.40	0.0	4.44e-04	-5.40e-04
5058	146	-8.83	-3.88	-0.52	0.0	-3.79e-04	5.22e-04
5058	171	1.89	-12.71	-0.41	0.0	1.16e-04	4.32e-04
5058	172	9.09	9.04	-0.40	0.0	4.32e-04	-5.29e-04
5058	198	-5.50	8.17	-0.52	0.0	-2.38e-04	-7.99e-05
5058	203	1.85	-12.69	-0.41	0.0	1.15e-04	4.34e-04
5058	204	10.53	10.55	-0.39	0.0	4.95e-04	-6.13e-04
5058	230	-6.42	9.59	-0.53	0.0	-2.80e-04	-9.60e-05
5058	235	2.08	-14.88	-0.40	0.0	1.28e-04	5.17e-04
5059	4	0.31	0.55	-0.78	0.0	6.87e-05	-7.86e-06
5059	28	0.31	-1.02	-0.80	0.0	6.75e-05	-8.70e-06
5059	44	0.27	-1.52	-0.71	0.0	5.79e-05	-7.82e-06
5059	68	0.22	0.36	-0.55	0.0	4.76e-05	-5.71e-06
5059	80	0.22	-0.69	-0.56	0.0	4.68e-05	-6.27e-06
5059	88	0.19	-1.02	-0.50	0.0	4.05e-05	-5.69e-06
5059	98	0.18	-0.13	-0.46	0.0	3.78e-05	-5.55e-06
5059	105	0.17	-0.30	-0.44	0.0	3.56e-05	-5.34e-06
5059	107	0.17	-0.12	-0.44	0.0	3.57e-05	-5.38e-06
5059	108	7.34	7.63	-0.38	0.0	6.61e-04	-4.45e-04
5059	111	-7.00	-7.87	-0.50	0.0	-5.90e-04	4.35e-04
5059	139	1.55	-10.28	-0.48	0.0	1.52e-04	3.50e-04
5059	140	8.24	8.60	-0.37	0.0	7.40e-04	-5.01e-04
5059	143	-7.90	-8.84	-0.51	0.0	-6.68e-04	4.90e-04
5059	171	1.72	-11.57	-0.48	0.0	1.67e-04	3.96e-04
5059	172	8.05	8.45	-0.37	0.0	7.16e-04	-4.92e-04
5059	175	-7.70	-8.69	-0.51	0.0	-6.44e-04	4.81e-04
5059	203	1.69	-11.56	-0.48	0.0	1.66e-04	3.98e-04
5059	204	9.31	9.86	-0.36	0.0	8.22e-04	-5.72e-04
5059	207	-8.97	-10.10	-0.52	0.0	-7.50e-04	5.61e-04
5059	235	1.90	-13.56	-0.49	0.0	1.85e-04	4.76e-04
5060	4	0.35	0.55	-0.79	0.0	6.66e-05	-1.15e-05

5060	28	0.34	-1.08	-0.81	0.0	6.55e-05	-1.24e-05
5060	44	0.30	-1.59	-0.72	0.0	5.61e-05	-1.13e-05
5060	68	0.24	0.36	-0.56	0.0	4.61e-05	-8.40e-06
5060	80	0.24	-0.72	-0.57	0.0	4.54e-05	-8.97e-06
5060	88	0.21	-1.07	-0.51	0.0	3.91e-05	-8.24e-06
5060	98	0.20	-0.14	-0.47	0.0	3.63e-05	-8.04e-06
5060	105	0.19	-0.32	-0.45	0.0	3.42e-05	-7.78e-06
5060	107	0.19	-0.13	-0.45	0.0	3.43e-05	-7.83e-06
5060	108	7.68	7.81	-0.38	0.0	5.94e-04	-4.63e-04
5060	111	-7.30	-8.08	-0.51	0.0	-5.26e-04	4.47e-04
5060	139	1.63	-10.63	-0.48	0.0	1.41e-04	3.62e-04
5060	140	8.62	8.81	-0.37	0.0	6.65e-04	-5.20e-04
5060	143	-8.24	-9.08	-0.52	0.0	-5.96e-04	5.04e-04
5060	171	1.81	-11.96	-0.49	0.0	1.54e-04	4.10e-04
5060	172	8.41	8.65	-0.37	0.0	6.43e-04	-5.10e-04
5060	175	-8.03	-8.92	-0.52	0.0	-5.75e-04	4.94e-04
5060	203	1.77	-11.94	-0.49	0.0	1.53e-04	4.12e-04
5060	204	9.73	10.09	-0.36	0.0	7.38e-04	-5.92e-04
5060	207	-9.35	-10.36	-0.53	0.0	-6.70e-04	5.76e-04
5060	235	2.00	-14.01	-0.50	0.0	1.71e-04	4.92e-04
5061	4	0.38	0.55	-0.80	0.0	6.35e-05	-1.38e-05
5061	28	0.38	-1.13	-0.82	0.0	6.25e-05	-1.47e-05
5061	44	0.33	-1.66	-0.73	0.0	5.34e-05	-1.35e-05
5061	68	0.27	0.36	-0.56	0.0	4.38e-05	-1.01e-05
5061	80	0.27	-0.76	-0.58	0.0	4.32e-05	-1.07e-05
5061	88	0.23	-1.12	-0.51	0.0	3.71e-05	-9.92e-06
5061	98	0.22	-0.16	-0.47	0.0	3.42e-05	-9.65e-06
5061	105	0.21	-0.34	-0.45	0.0	3.21e-05	-9.38e-06
5061	107	0.21	-0.15	-0.45	0.0	3.22e-05	-9.43e-06
5061	108	7.97	7.99	-0.38	0.0	5.01e-04	-4.76e-04
5061	111	-7.55	-8.29	-0.52	0.0	-4.37e-04	4.57e-04
5061	139	1.70	-10.97	-0.49	0.0	1.25e-04	3.72e-04
5061	140	8.94	9.01	-0.38	0.0	5.60e-04	-5.34e-04
5061	143	-8.53	-9.31	-0.53	0.0	-4.95e-04	5.16e-04
5061	171	1.88	-12.34	-0.50	0.0	1.36e-04	4.21e-04
5061	172	8.72	8.84	-0.38	0.0	5.42e-04	-5.24e-04
5061	175	-8.31	-9.14	-0.53	0.0	-4.78e-04	5.05e-04
5061	203	1.85	-12.32	-0.50	0.0	1.35e-04	4.23e-04
5061	204	10.09	10.32	-0.36	0.0	6.22e-04	-6.07e-04
5061	207	-9.67	-10.62	-0.54	0.0	-5.58e-04	5.88e-04
5061	235	2.08	-14.45	-0.51	0.0	1.51e-04	5.05e-04
5062	4	0.42	0.55	-0.81	0.0	6.03e-05	-1.51e-05
5062	28	0.41	-1.19	-0.83	0.0	5.94e-05	-1.61e-05
5062	44	0.36	-1.73	-0.74	0.0	5.06e-05	-1.49e-05
5062	68	0.29	0.36	-0.57	0.0	4.15e-05	-1.11e-05
5062	80	0.29	-0.80	-0.58	0.0	4.09e-05	-1.18e-05
5062	88	0.25	-1.16	-0.52	0.0	3.50e-05	-1.10e-05
5062	98	0.24	-0.17	-0.48	0.0	3.19e-05	-1.07e-05
5062	105	0.22	-0.36	-0.46	0.0	2.99e-05	-1.04e-05
5062	107	0.22	-0.16	-0.46	0.0	3.00e-05	-1.05e-05
5062	108	8.20	8.16	-0.39	0.0	3.99e-04	-4.84e-04
5062	111	-7.75	-8.49	-0.52	0.0	-3.39e-04	4.63e-04
5062	139	1.76	-11.30	-0.50	0.0	1.07e-04	3.78e-04
5062	140	9.20	9.21	-0.38	0.0	4.46e-04	-5.44e-04
5062	143	-8.75	-9.54	-0.53	0.0	-3.86e-04	5.23e-04
5062	171	1.95	-12.71	-0.50	0.0	1.17e-04	4.28e-04
5062	172	8.97	9.04	-0.38	0.0	4.32e-04	-5.33e-04
5062	175	-8.53	-9.36	-0.53	0.0	-3.72e-04	5.12e-04
5062	203	1.92	-12.69	-0.50	0.0	1.16e-04	4.30e-04
5062	204	10.38	10.55	-0.37	0.0	4.95e-04	-6.17e-04
5062	207	-9.93	-10.87	-0.55	0.0	-4.35e-04	5.96e-04
5062	235	2.16	-14.88	-0.51	0.0	1.29e-04	5.13e-04
5063	4	0.31	0.55	-0.82	0.0	6.38e-05	-1.04e-05
5063	28	0.30	-1.02	-0.85	0.0	6.27e-05	-1.14e-05
5063	44	0.27	-1.52	-0.77	0.0	5.35e-05	-1.05e-05
5063	68	0.22	0.36	-0.57	0.0	4.41e-05	-7.65e-06
5063	80	0.21	-0.69	-0.60	0.0	4.33e-05	-8.31e-06
5063	88	0.19	-1.02	-0.54	0.0	3.72e-05	-7.67e-06
5063	98	0.18	-0.13	-0.49	0.0	3.45e-05	-7.51e-06
5063	105	0.17	-0.30	-0.47	0.0	3.24e-05	-7.29e-06
5063	107	0.17	-0.12	-0.47	0.0	3.25e-05	-7.31e-06
5063	108	7.26	7.63	-0.35	0.0	6.75e-04	-4.48e-04
5063	127	-4.52	-8.71	-0.60	0.0	-3.97e-04	5.48e-05
5063	139	1.59	-10.28	-0.59	0.0	1.58e-04	3.47e-04
5063	140	8.15	8.60	-0.33	0.0	7.55e-04	-5.04e-04

5063	159	-5.10	-9.78	-0.62	0.0	-4.50e-04	-6.12e-05
5063	171	1.77	-11.57	-0.60	0.0	1.74e-04	3.93e-04
5063	172	7.93	8.45	-0.34	0.0	7.28e-04	-4.95e-04
5063	191	-4.96	-9.54	-0.61	0.0	-4.33e-04	-6.36e-05
5063	203	1.74	-11.56	-0.60	0.0	1.73e-04	3.96e-04
5063	204	9.16	9.87	-0.31	0.0	8.35e-04	-5.76e-04
5063	227	-5.14	-11.27	-0.64	0.0	-4.35e-04	-5.59e-05
5063	235	1.97	-13.57	-0.63	0.0	1.95e-04	4.73e-04
5064	4	0.34	0.55	-0.83	0.0	6.30e-05	-1.65e-05
5064	28	0.34	-1.08	-0.87	0.0	6.19e-05	-1.74e-05
5064	44	0.29	-1.59	-0.78	0.0	5.28e-05	-1.60e-05
5064	68	0.24	0.36	-0.58	0.0	4.35e-05	-1.21e-05
5064	80	0.24	-0.72	-0.61	0.0	4.27e-05	-1.27e-05
5064	88	0.21	-1.07	-0.55	0.0	3.66e-05	-1.18e-05
5064	98	0.20	-0.14	-0.50	0.0	3.39e-05	-1.17e-05
5064	105	0.19	-0.32	-0.48	0.0	3.18e-05	-1.13e-05
5064	107	0.19	-0.13	-0.47	0.0	3.19e-05	-1.14e-05
5064	108	7.60	7.81	-0.35	0.0	6.03e-04	-4.67e-04
5064	127	-4.72	-8.98	-0.61	0.0	-3.54e-04	-6.26e-05
5064	139	1.67	-10.63	-0.60	0.0	1.45e-04	3.58e-04
5064	140	8.53	8.81	-0.34	0.0	6.74e-04	-5.24e-04
5064	159	-5.33	-10.08	-0.63	0.0	-4.01e-04	-6.96e-05
5064	171	1.86	-11.96	-0.62	0.0	1.60e-04	4.06e-04
5064	172	8.30	8.65	-0.34	0.0	6.51e-04	-5.14e-04
5064	191	-5.17	-9.83	-0.63	0.0	-3.86e-04	-7.18e-05
5064	203	1.83	-11.94	-0.62	0.0	1.59e-04	4.08e-04
5064	204	9.59	10.09	-0.31	0.0	7.47e-04	-5.96e-04
5064	227	-5.36	-11.61	-0.65	0.0	-3.92e-04	-6.46e-05
5064	235	2.07	-14.01	-0.64	0.0	1.78e-04	4.88e-04
5065	4	0.38	0.55	-0.84	0.0	6.12e-05	-2.02e-05
5065	28	0.37	-1.13	-0.88	0.0	6.02e-05	-2.11e-05
5065	44	0.32	-1.66	-0.79	0.0	5.12e-05	-1.95e-05
5065	68	0.26	0.36	-0.59	0.0	4.21e-05	-1.49e-05
5065	80	0.26	-0.76	-0.62	0.0	4.14e-05	-1.55e-05
5065	88	0.23	-1.12	-0.56	0.0	3.55e-05	-1.44e-05
5065	98	0.21	-0.16	-0.50	0.0	3.26e-05	-1.43e-05
5065	105	0.20	-0.34	-0.48	0.0	3.05e-05	-1.39e-05
5065	107	0.20	-0.15	-0.48	0.0	3.06e-05	-1.40e-05
5065	108	7.89	7.99	-0.36	0.0	5.06e-04	-4.81e-04
5065	127	-4.89	-9.25	-0.62	0.0	-2.96e-04	-6.82e-05
5065	139	1.75	-10.97	-0.61	0.0	1.27e-04	3.67e-04
5065	140	8.86	9.01	-0.34	0.0	5.65e-04	-5.40e-04
5065	159	-5.52	-10.38	-0.64	0.0	-3.36e-04	-7.55e-05
5065	171	1.94	-12.34	-0.63	0.0	1.40e-04	4.17e-04
5065	172	8.61	8.84	-0.34	0.0	5.46e-04	-5.29e-04
5065	191	-5.36	-10.13	-0.64	0.0	-3.24e-04	-7.77e-05
5065	203	1.91	-12.32	-0.63	0.0	1.39e-04	4.18e-04
5065	204	9.95	10.32	-0.32	0.0	6.26e-04	-6.12e-04
5065	227	-5.55	-11.95	-0.67	0.0	-3.35e-04	-7.08e-05
5065	235	2.16	-14.45	-0.66	0.0	1.55e-04	5.00e-04
5066	4	0.41	0.55	-0.85	0.0	5.89e-05	-2.19e-05
5066	28	0.40	-1.19	-0.89	0.0	5.80e-05	-2.28e-05
5066	44	0.35	-1.73	-0.80	0.0	4.92e-05	-2.11e-05
5066	68	0.28	0.36	-0.60	0.0	4.04e-05	-1.62e-05
5066	80	0.28	-0.80	-0.63	0.0	3.98e-05	-1.67e-05
5066	88	0.25	-1.16	-0.57	0.0	3.39e-05	-1.56e-05
5066	98	0.23	-0.17	-0.51	0.0	3.09e-05	-1.54e-05
5066	105	0.22	-0.36	-0.49	0.0	2.89e-05	-1.51e-05
5066	107	0.22	-0.16	-0.49	0.0	2.90e-05	-1.51e-05
5066	108	8.13	8.16	-0.36	0.0	4.00e-04	-4.90e-04
5066	127	-5.03	-9.51	-0.63	0.0	-2.34e-04	-7.16e-05
5066	139	1.81	-11.30	-0.62	0.0	1.08e-04	3.74e-04
5066	140	9.12	9.21	-0.34	0.0	4.47e-04	-5.49e-04
5066	159	-5.68	-10.68	-0.65	0.0	-2.66e-04	-7.92e-05
5066	171	2.01	-12.71	-0.64	0.0	1.18e-04	4.24e-04
5066	172	8.87	9.04	-0.34	0.0	4.33e-04	-5.38e-04
5066	191	-5.51	-10.42	-0.65	0.0	-2.57e-04	-8.13e-05
5066	203	1.98	-12.69	-0.64	0.0	1.18e-04	4.26e-04
5066	204	10.24	10.55	-0.32	0.0	4.95e-04	-6.23e-04
5066	227	-5.70	-12.29	-0.68	0.0	-2.73e-04	-7.44e-05
5066	235	2.23	-14.88	-0.67	0.0	1.31e-04	5.09e-04
5067	4	0.30	0.55	-0.89	0.0	5.57e-05	-1.51e-05
5067	28	0.30	-1.02	-0.95	0.0	5.48e-05	-1.62e-05
5067	44	0.26	-1.52	-0.87	0.0	4.61e-05	-1.50e-05
5067	68	0.21	0.36	-0.63	0.0	3.81e-05	-1.11e-05

5067	80	0.21	-0.69	-0.67	0.0	3.75e-05	-1.18e-05
5067	88	0.18	-1.02	-0.61	0.0	3.17e-05	-1.10e-05
5067	98	0.17	-0.13	-0.54	0.0	2.89e-05	-1.09e-05
5067	105	0.16	-0.30	-0.52	0.0	2.69e-05	-1.06e-05
5067	107	0.16	-0.12	-0.52	0.0	2.70e-05	-1.06e-05
5067	108	7.19	7.63	-0.31	0.0	6.88e-04	-4.52e-04
5067	127	-4.52	-8.71	-0.77	0.0	-4.17e-04	-5.95e-05
5067	139	1.63	-10.28	-0.76	0.0	1.62e-04	3.45e-04
5067	140	8.07	8.61	-0.28	0.0	7.71e-04	-5.08e-04
5067	159	-5.11	-9.78	-0.80	0.0	-4.72e-04	-6.62e-05
5067	171	1.82	-11.57	-0.80	0.0	1.80e-04	3.90e-04
5067	172	7.83	8.45	-0.28	0.0	7.42e-04	-4.99e-04
5067	203	1.80	-11.56	-0.80	0.0	1.79e-04	3.93e-04
5067	204	9.03	9.87	-0.24	0.0	8.50e-04	-5.80e-04
5067	235	2.04	-13.57	-0.85	0.0	2.02e-04	4.70e-04
5068	4	0.33	0.55	-0.90	0.0	5.72e-05	-2.50e-05
5068	28	0.33	-1.08	-0.97	0.0	5.62e-05	-2.59e-05
5068	44	0.29	-1.59	-0.88	0.0	4.75e-05	-2.40e-05
5068	68	0.23	0.36	-0.64	0.0	3.92e-05	-1.84e-05
5068	80	0.23	-0.73	-0.68	0.0	3.85e-05	-1.90e-05
5068	88	0.20	-1.07	-0.62	0.0	3.27e-05	-1.78e-05
5068	98	0.19	-0.14	-0.55	0.0	2.99e-05	-1.77e-05
5068	105	0.18	-0.32	-0.53	0.0	2.79e-05	-1.72e-05
5068	107	0.18	-0.14	-0.53	0.0	2.80e-05	-1.73e-05
5068	108	7.54	7.81	-0.31	0.0	6.13e-04	-4.73e-04
5068	127	-4.73	-8.98	-0.79	0.0	-3.69e-04	-7.16e-05
5068	139	1.72	-10.63	-0.78	0.0	1.49e-04	3.54e-04
5068	140	8.46	8.81	-0.28	0.0	6.86e-04	-5.31e-04
5068	159	-5.35	-10.08	-0.82	0.0	-4.18e-04	-7.90e-05
5068	171	1.91	-11.96	-0.81	0.0	1.64e-04	4.02e-04
5068	172	8.20	8.65	-0.29	0.0	6.61e-04	-5.20e-04
5068	203	1.89	-11.94	-0.82	0.0	1.64e-04	4.04e-04
5068	204	9.46	10.09	-0.24	0.0	7.58e-04	-6.03e-04
5068	235	2.14	-14.01	-0.87	0.0	1.84e-04	4.84e-04
5069	4	0.36	0.55	-0.91	0.0	5.80e-05	-3.09e-05
5069	28	0.36	-1.13	-0.98	0.0	5.70e-05	-3.17e-05
5069	44	0.31	-1.66	-0.89	0.0	4.83e-05	-2.94e-05
5069	68	0.25	0.36	-0.64	0.0	3.98e-05	-2.28e-05
5069	80	0.25	-0.76	-0.69	0.0	3.91e-05	-2.33e-05
5069	88	0.22	-1.12	-0.63	0.0	3.33e-05	-2.18e-05
5069	98	0.20	-0.16	-0.56	0.0	3.04e-05	-2.18e-05
5069	105	0.19	-0.34	-0.54	0.0	2.84e-05	-2.12e-05
5069	107	0.19	-0.15	-0.53	0.0	2.85e-05	-2.13e-05
5069	108	7.83	7.99	-0.31	0.0	5.12e-04	-4.89e-04
5069	127	-4.91	-9.25	-0.80	0.0	-3.05e-04	-7.95e-05
5069	139	1.79	-10.97	-0.80	0.0	1.30e-04	3.63e-04
5069	140	8.79	9.01	-0.29	0.0	5.72e-04	-5.48e-04
5069	159	-5.55	-10.38	-0.83	0.0	-3.47e-04	-8.74e-05
5069	171	1.99	-12.34	-0.83	0.0	1.43e-04	4.12e-04
5069	172	8.52	8.84	-0.29	0.0	5.52e-04	-5.36e-04
5069	203	1.97	-12.32	-0.83	0.0	1.43e-04	4.13e-04
5069	204	9.83	10.32	-0.24	0.0	6.32e-04	-6.20e-04
5069	235	2.23	-14.45	-0.88	0.0	1.60e-04	4.95e-04
5070	4	0.39	0.55	-0.92	0.0	5.81e-05	-3.27e-05
5070	28	0.39	-1.19	-0.99	0.0	5.72e-05	-3.34e-05
5070	44	0.34	-1.73	-0.91	0.0	4.85e-05	-3.10e-05
5070	68	0.27	0.36	-0.65	0.0	3.98e-05	-2.41e-05
5070	80	0.27	-0.80	-0.70	0.0	3.93e-05	-2.46e-05
5070	88	0.24	-1.16	-0.64	0.0	3.34e-05	-2.30e-05
5070	98	0.22	-0.17	-0.56	0.0	3.04e-05	-2.30e-05
5070	105	0.21	-0.36	-0.55	0.0	2.84e-05	-2.24e-05
5070	107	0.21	-0.16	-0.54	0.0	2.85e-05	-2.25e-05
5070	108	8.07	8.16	-0.31	0.0	4.01e-04	-4.98e-04
5070	127	-5.05	-9.51	-0.81	0.0	-2.37e-04	-8.29e-05
5070	139	1.85	-11.30	-0.81	0.0	1.10e-04	3.70e-04
5070	140	9.06	9.21	-0.29	0.0	4.48e-04	-5.58e-04
5070	159	-5.71	-10.68	-0.84	0.0	-2.70e-04	-9.10e-05
5070	171	2.06	-12.71	-0.84	0.0	1.20e-04	4.20e-04
5070	172	8.78	9.04	-0.29	0.0	4.33e-04	-5.46e-04
5070	203	2.04	-12.69	-0.84	0.0	1.20e-04	4.21e-04
5070	204	10.12	10.55	-0.24	0.0	4.96e-04	-6.30e-04
5070	235	2.31	-14.88	-0.90	0.0	1.33e-04	5.04e-04
5071	4	0.29	0.55	-1.00	0.0	4.29e-05	-2.14e-05
5071	28	0.29	-1.02	-1.11	0.0	4.20e-05	-2.25e-05
5071	44	0.25	-1.52	-1.02	0.0	3.42e-05	-2.10e-05

5071	68	0.20	0.36	-0.71	0.0	2.86e-05	-1.58e-05
5071	80	0.20	-0.69	-0.78	0.0	2.80e-05	-1.66e-05
5071	88	0.18	-1.02	-0.72	0.0	2.28e-05	-1.55e-05
5071	98	0.17	-0.13	-0.62	0.0	2.00e-05	-1.53e-05
5071	105	0.16	-0.30	-0.61	0.0	1.82e-05	-1.50e-05
5071	107	0.16	-0.12	-0.60	0.0	1.83e-05	-1.50e-05
5071	108	7.13	7.63	-0.25	0.0	7.03e-04	-4.57e-04
5071	135	1.17	-10.22	-1.04	0.0	1.08e-04	3.36e-04
5071	139	1.67	-10.28	-1.04	0.0	1.63e-04	3.42e-04
5071	140	8.00	8.61	-0.20	0.0	7.88e-04	-5.12e-04
5071	167	1.29	-11.49	-1.09	0.0	1.19e-04	3.81e-04
5071	171	1.86	-11.57	-1.09	0.0	1.82e-04	3.88e-04
5071	172	7.74	8.45	-0.20	0.0	7.55e-04	-5.03e-04
5071	203	1.85	-11.56	-1.09	0.0	1.81e-04	3.91e-04
5071	204	8.91	9.87	-0.14	0.0	8.66e-04	-5.84e-04
5071	235	2.10	-13.57	-1.18	0.0	2.07e-04	4.68e-04
5072	4	0.32	0.55	-1.02	0.0	4.80e-05	-3.72e-05
5072	28	0.31	-1.08	-1.13	0.0	4.72e-05	-3.80e-05
5072	44	0.27	-1.59	-1.04	0.0	3.91e-05	-3.55e-05
5072	68	0.22	0.36	-0.72	0.0	3.24e-05	-2.75e-05
5072	80	0.22	-0.73	-0.79	0.0	3.19e-05	-2.80e-05
5072	88	0.19	-1.07	-0.73	0.0	2.64e-05	-2.63e-05
5072	98	0.18	-0.14	-0.63	0.0	2.35e-05	-2.62e-05
5072	105	0.17	-0.32	-0.62	0.0	2.17e-05	-2.56e-05
5072	107	0.17	-0.14	-0.61	0.0	2.18e-05	-2.57e-05
5072	108	7.48	7.81	-0.25	0.0	6.25e-04	-4.82e-04
5072	135	1.22	-10.56	-1.06	0.0	1.04e-04	3.45e-04
5072	139	1.75	-10.63	-1.06	0.0	1.51e-04	3.50e-04
5072	140	8.40	8.81	-0.20	0.0	7.00e-04	-5.40e-04
5072	167	1.35	-11.87	-1.11	0.0	1.14e-04	3.92e-04
5072	171	1.95	-11.96	-1.11	0.0	1.67e-04	3.99e-04
5072	172	8.12	8.65	-0.20	0.0	6.72e-04	-5.29e-04
5072	203	1.94	-11.95	-1.12	0.0	1.67e-04	3.99e-04
5072	204	9.35	10.10	-0.13	0.0	7.71e-04	-6.10e-04
5072	235	2.21	-14.01	-1.20	0.0	1.89e-04	4.80e-04
5073	4	0.34	0.55	-1.03	0.0	5.36e-05	-4.66e-05
5073	28	0.34	-1.13	-1.14	0.0	5.28e-05	-4.71e-05
5073	44	0.29	-1.66	-1.05	0.0	4.43e-05	-4.39e-05
5073	68	0.24	0.36	-0.73	0.0	3.65e-05	-3.44e-05
5073	80	0.23	-0.76	-0.80	0.0	3.60e-05	-3.48e-05
5073	88	0.20	-1.12	-0.74	0.0	3.03e-05	-3.26e-05
5073	98	0.19	-0.16	-0.64	0.0	2.74e-05	-3.26e-05
5073	105	0.18	-0.34	-0.63	0.0	2.55e-05	-3.19e-05
5073	107	0.18	-0.15	-0.61	0.0	2.56e-05	-3.20e-05
5073	108	7.79	7.99	-0.25	0.0	5.19e-04	-5.01e-04
5073	135	1.28	-10.89	-1.07	0.0	9.80e-05	3.52e-04
5073	139	1.83	-10.97	-1.07	0.0	1.32e-04	3.58e-04
5073	140	8.74	9.01	-0.20	0.0	5.80e-04	-5.60e-04
5073	171	2.04	-12.34	-1.13	0.0	1.46e-04	4.08e-04
5073	172	8.44	8.85	-0.20	0.0	5.58e-04	-5.47e-04
5073	203	2.03	-12.32	-1.13	0.0	1.46e-04	4.08e-04
5073	204	9.72	10.32	-0.13	0.0	6.39e-04	-6.30e-04
5073	235	2.30	-14.45	-1.22	0.0	1.64e-04	4.91e-04
5074	4	0.37	0.55	-1.04	0.0	5.86e-05	-4.85e-05
5074	28	0.37	-1.19	-1.15	0.0	5.77e-05	-4.89e-05
5074	44	0.32	-1.73	-1.06	0.0	4.90e-05	-4.55e-05
5074	68	0.26	0.36	-0.74	0.0	4.02e-05	-3.58e-05
5074	80	0.25	-0.80	-0.81	0.0	3.96e-05	-3.61e-05
5074	88	0.22	-1.16	-0.75	0.0	3.38e-05	-3.38e-05
5074	98	0.21	-0.17	-0.65	0.0	3.08e-05	-3.38e-05
5074	105	0.19	-0.36	-0.63	0.0	2.88e-05	-3.31e-05
5074	107	0.19	-0.16	-0.62	0.0	2.89e-05	-3.32e-05
5074	108	8.03	8.17	-0.25	0.0	4.03e-04	-5.10e-04
5074	135	1.33	-11.22	-1.09	0.0	9.04e-05	3.59e-04
5074	139	1.89	-11.30	-1.09	0.0	1.12e-04	3.65e-04
5074	140	9.01	9.21	-0.20	0.0	4.49e-04	-5.70e-04
5074	171	2.11	-12.71	-1.15	0.0	1.22e-04	4.16e-04
5074	172	8.70	9.04	-0.20	0.0	4.34e-04	-5.57e-04
5074	203	2.10	-12.69	-1.15	0.0	1.22e-04	4.16e-04
5074	204	10.02	10.55	-0.13	0.0	4.96e-04	-6.41e-04
5074	235	2.38	-14.88	-1.24	0.0	1.37e-04	5.00e-04
5075	4	0.28	0.55	-1.18	0.0	2.17e-05	-2.83e-05
5075	28	0.27	-1.02	-1.33	0.0	2.15e-05	-2.97e-05
5075	44	0.24	-1.52	-1.24	0.0	1.50e-05	-2.78e-05
5075	68	0.19	0.36	-0.83	0.0	1.29e-05	-2.09e-05

5075	80	0.19	-0.69	-0.94	0.0	1.28e-05	-2.18e-05
5075	88	0.17	-1.02	-0.87	0.0	8.47e-06	-2.06e-05
5075	98	0.16	-0.13	-0.75	0.0	5.42e-06	-2.02e-05
5075	105	0.15	-0.30	-0.73	0.0	3.98e-06	-1.98e-05
5075	107	0.15	-0.12	-0.71	0.0	3.98e-06	-1.98e-05
5075	108	7.09	7.63	-0.15	0.0	7.26e-04	-4.62e-04
5075	139	1.71	-10.29	-1.43	0.0	1.63e-04	3.40e-04
5075	140	7.95	8.61	-0.08	0.0	8.16e-04	-5.17e-04
5075	171	1.90	-11.57	-1.53	0.0	1.83e-04	3.87e-04
5075	172	7.66	8.46	-0.09	0.0	7.79e-04	-5.08e-04
5075	203	1.90	-11.57	-1.53	0.0	1.84e-04	3.88e-04
5075	204	8.81	9.87	0.02	0.0	8.94e-04	-5.88e-04
5075	235	2.17	-13.57	-1.67	0.0	2.12e-04	4.66e-04
5076	4	0.29	0.55	-1.19	0.0	3.33e-05	-5.23e-05
5076	28	0.29	-1.08	-1.35	0.0	3.29e-05	-5.30e-05
5076	44	0.25	-1.59	-1.25	0.0	2.58e-05	-4.96e-05
5076	68	0.20	0.36	-0.84	0.0	2.15e-05	-3.87e-05
5076	80	0.20	-0.73	-0.95	0.0	2.13e-05	-3.91e-05
5076	88	0.17	-1.07	-0.88	0.0	1.65e-05	-3.69e-05
5076	98	0.16	-0.14	-0.75	0.0	1.35e-05	-3.67e-05
5076	105	0.15	-0.32	-0.74	0.0	1.19e-05	-3.60e-05
5076	107	0.15	-0.14	-0.72	0.0	1.19e-05	-3.60e-05
5076	108	7.45	7.81	-0.15	0.0	6.40e-04	-4.94e-04
5076	139	1.79	-10.63	-1.45	0.0	1.51e-04	3.47e-04
5076	140	8.36	8.81	-0.08	0.0	7.19e-04	-5.52e-04
5076	171	2.00	-11.96	-1.54	0.0	1.68e-04	3.96e-04
5076	172	8.05	8.65	-0.09	0.0	6.88e-04	-5.39e-04
5076	203	1.99	-11.95	-1.54	0.0	1.69e-04	3.96e-04
5076	204	9.26	10.10	0.02	0.0	7.88e-04	-6.20e-04
5076	235	2.27	-14.01	-1.69	0.0	1.94e-04	4.77e-04
5077	4	0.31	0.55	-1.20	0.0	4.75e-05	-6.74e-05
5077	28	0.31	-1.13	-1.36	0.0	4.69e-05	-6.77e-05
5077	44	0.26	-1.66	-1.26	0.0	3.89e-05	-6.32e-05
5077	68	0.22	0.36	-0.85	0.0	3.20e-05	-4.98e-05
5077	80	0.21	-0.76	-0.95	0.0	3.16e-05	-5.00e-05
5077	88	0.18	-1.12	-0.89	0.0	2.63e-05	-4.70e-05
5077	98	0.17	-0.16	-0.76	0.0	2.33e-05	-4.71e-05
5077	105	0.16	-0.34	-0.74	0.0	2.15e-05	-4.61e-05
5077	107	0.16	-0.15	-0.73	0.0	2.15e-05	-4.62e-05
5077	108	7.76	7.99	-0.15	0.0	5.26e-04	-5.17e-04
5077	139	1.87	-10.97	-1.47	0.0	1.34e-04	3.54e-04
5077	140	8.71	9.01	-0.08	0.0	5.89e-04	-5.76e-04
5077	171	2.08	-12.34	-1.56	0.0	1.48e-04	4.06e-04
5077	172	8.39	8.85	-0.09	0.0	5.65e-04	-5.62e-04
5077	203	2.08	-12.32	-1.56	0.0	1.49e-04	4.04e-04
5077	204	9.64	10.32	0.02	0.0	6.47e-04	-6.44e-04
5077	235	2.37	-14.45	-1.71	0.0	1.68e-04	4.87e-04
5078	4	0.34	0.55	-1.21	0.0	6.11e-05	-7.01e-05
5078	28	0.34	-1.19	-1.37	0.0	6.02e-05	-7.02e-05
5078	44	0.29	-1.73	-1.27	0.0	5.14e-05	-6.55e-05
5078	68	0.24	0.36	-0.86	0.0	4.20e-05	-5.18e-05
5078	80	0.23	-0.80	-0.96	0.0	4.15e-05	-5.18e-05
5078	88	0.20	-1.16	-0.90	0.0	3.56e-05	-4.87e-05
5078	98	0.18	-0.17	-0.76	0.0	3.26e-05	-4.88e-05
5078	105	0.17	-0.36	-0.75	0.0	3.06e-05	-4.77e-05
5078	107	0.17	-0.16	-0.73	0.0	3.07e-05	-4.79e-05
5078	108	8.00	8.17	-0.15	0.0	4.03e-04	-5.27e-04
5078	139	1.93	-11.30	-1.48	0.0	1.15e-04	3.61e-04
5078	140	8.98	9.21	-0.08	0.0	4.50e-04	-5.87e-04
5078	171	2.15	-12.71	-1.57	0.0	1.26e-04	4.13e-04
5078	172	8.65	9.04	-0.09	0.0	4.34e-04	-5.72e-04
5078	203	2.15	-12.69	-1.57	0.0	1.26e-04	4.11e-04
5078	204	9.94	10.55	0.02	0.0	4.95e-04	-6.55e-04
5078	235	2.45	-14.88	-1.72	0.0	1.41e-04	4.96e-04
5079	4	0.46	0.55	-0.88	0.0	6.25e-05	-1.24e-05
5079	44	0.40	-1.80	-0.75	0.0	5.25e-05	-1.29e-05
5079	68	0.32	0.36	-0.61	0.0	4.31e-05	-9.15e-06
5079	88	0.28	-1.21	-0.53	0.0	3.64e-05	-9.44e-06
5079	98	0.26	-0.19	-0.50	0.0	3.34e-05	-8.72e-06
5079	105	0.25	-0.38	-0.48	0.0	3.13e-05	-8.54e-06
5079	107	0.25	-0.18	-0.48	0.0	3.14e-05	-8.57e-06
5079	108	8.54	8.33	-0.41	0.0	3.12e-04	-4.83e-04
5079	134	-5.08	7.47	-0.60	0.0	-1.68e-04	-7.16e-05
5079	139	1.70	-11.61	-0.39	0.0	9.68e-05	3.86e-04
5079	140	9.58	9.40	-0.41	0.0	3.47e-04	-5.42e-04

5079	166	-5.74	8.43	-0.62	0.0	-1.93e-04	-8.01e-05
5079	171	1.88	-13.06	-0.38	0.0	1.05e-04	4.37e-04
5079	172	9.40	9.22	-0.41	0.0	3.38e-04	-5.30e-04
5079	198	-5.62	8.41	-0.62	0.0	-1.87e-04	-8.28e-05
5079	203	1.84	-13.04	-0.38	0.0	1.04e-04	4.38e-04
5079	204	10.90	10.76	-0.40	0.0	3.87e-04	-6.14e-04
5079	230	-6.58	9.87	-0.64	0.0	-2.21e-04	-9.93e-05
5079	235	2.05	-15.29	-0.37	0.0	1.14e-04	5.22e-04
5080	4	0.49	0.55	-0.88	0.0	6.29e-05	-1.49e-05
5080	44	0.42	-1.86	-0.76	0.0	5.25e-05	-1.50e-05
5080	68	0.34	0.35	-0.62	0.0	4.33e-05	-1.10e-05
5080	88	0.30	-1.25	-0.54	0.0	3.63e-05	-1.11e-05
5080	98	0.28	-0.20	-0.51	0.0	3.33e-05	-1.05e-05
5080	105	0.26	-0.40	-0.48	0.0	3.12e-05	-1.03e-05
5080	107	0.26	-0.19	-0.48	0.0	3.13e-05	-1.03e-05
5080	108	8.67	8.49	-0.42	0.0	2.50e-04	-4.85e-04
5080	134	-5.15	7.67	-0.61	0.0	-1.34e-04	-7.28e-05
5080	139	1.75	-11.92	-0.40	0.0	8.94e-05	3.85e-04
5080	140	9.73	9.58	-0.41	0.0	2.78e-04	-5.45e-04
5080	166	-5.83	8.66	-0.63	0.0	-1.55e-04	-8.11e-05
5080	171	1.93	-13.40	-0.39	0.0	9.66e-05	4.36e-04
5080	172	9.54	9.39	-0.42	0.0	2.70e-04	-5.32e-04
5080	198	-5.70	8.64	-0.62	0.0	-1.50e-04	-8.37e-05
5080	203	1.89	-13.38	-0.39	0.0	9.55e-05	4.37e-04
5080	204	11.06	10.96	-0.41	0.0	3.08e-04	-6.17e-04
5080	230	-6.67	10.14	-0.64	0.0	-1.79e-04	-1.00e-04
5080	235	2.11	-15.68	-0.37	0.0	1.05e-04	5.21e-04
5081	4	0.52	0.54	-0.90	0.0	6.35e-05	-1.77e-05
5081	44	0.45	-1.93	-0.78	0.0	5.27e-05	-1.73e-05
5081	68	0.36	0.35	-0.63	0.0	4.36e-05	-1.30e-05
5081	88	0.32	-1.29	-0.55	0.0	3.64e-05	-1.28e-05
5081	98	0.29	-0.22	-0.51	0.0	3.34e-05	-1.25e-05
5081	105	0.28	-0.42	-0.49	0.0	3.13e-05	-1.22e-05
5081	107	0.28	-0.20	-0.49	0.0	3.14e-05	-1.22e-05
5081	108	8.78	8.63	-0.43	0.0	2.27e-04	-4.86e-04
5081	134	-5.20	7.86	-0.62	0.0	-1.21e-04	-7.40e-05
5081	139	1.79	-12.19	-0.41	0.0	8.66e-05	3.83e-04
5081	140	9.85	9.74	-0.42	0.0	2.51e-04	-5.45e-04
5081	166	-5.89	8.87	-0.63	0.0	-1.40e-04	-8.23e-05
5081	171	1.98	-13.71	-0.40	0.0	9.34e-05	4.34e-04
5081	172	9.66	9.55	-0.42	0.0	2.45e-04	-5.33e-04
5081	198	-5.76	8.85	-0.63	0.0	-1.36e-04	-8.48e-05
5081	203	1.93	-13.68	-0.40	0.0	9.24e-05	4.34e-04
5081	204	11.19	11.14	-0.41	0.0	2.79e-04	-6.17e-04
5081	230	-6.75	10.39	-0.65	0.0	-1.62e-04	-1.01e-04
5081	235	2.15	-16.03	-0.38	0.0	1.01e-04	5.18e-04
5082	4	0.45	0.55	-0.82	0.0	6.00e-05	-1.30e-05
5082	44	0.39	-1.80	-0.72	0.0	5.02e-05	-1.32e-05
5082	68	0.32	0.36	-0.57	0.0	4.12e-05	-9.61e-06
5082	88	0.27	-1.21	-0.51	0.0	3.47e-05	-9.75e-06
5082	98	0.26	-0.19	-0.47	0.0	3.15e-05	-9.28e-06
5082	105	0.24	-0.38	-0.45	0.0	2.95e-05	-9.07e-06
5082	107	0.24	-0.18	-0.45	0.0	2.96e-05	-9.10e-06
5082	108	8.45	8.33	-0.41	0.0	3.12e-04	-4.85e-04
5082	134	-5.07	7.46	-0.52	0.0	-1.69e-04	-7.04e-05
5082	139	1.76	-11.61	-0.41	0.0	9.43e-05	3.84e-04
5082	140	9.49	9.40	-0.40	0.0	3.48e-04	-5.45e-04
5082	166	-5.74	8.43	-0.53	0.0	-1.94e-04	-7.87e-05
5082	171	1.94	-13.06	-0.41	0.0	1.02e-04	4.35e-04
5082	172	9.28	9.22	-0.40	0.0	3.38e-04	-5.33e-04
5082	198	-5.60	8.41	-0.52	0.0	-1.88e-04	-8.14e-05
5082	203	1.91	-13.04	-0.41	0.0	1.02e-04	4.36e-04
5082	204	10.74	10.76	-0.40	0.0	3.87e-04	-6.18e-04
5082	230	-6.54	9.87	-0.54	0.0	-2.23e-04	-9.76e-05
5082	235	2.13	-15.28	-0.40	0.0	1.12e-04	5.20e-04
5083	4	0.48	0.55	-0.82	0.0	5.90e-05	-1.55e-05
5083	44	0.41	-1.87	-0.72	0.0	4.91e-05	-1.53e-05
5083	68	0.34	0.35	-0.58	0.0	4.04e-05	-1.14e-05
5083	88	0.29	-1.25	-0.51	0.0	3.38e-05	-1.13e-05
5083	98	0.27	-0.20	-0.48	0.0	3.06e-05	-1.09e-05
5083	105	0.26	-0.40	-0.45	0.0	2.86e-05	-1.07e-05
5083	107	0.26	-0.19	-0.46	0.0	2.87e-05	-1.07e-05
5083	108	8.58	8.49	-0.41	0.0	2.51e-04	-4.87e-04
5083	134	-5.15	7.67	-0.52	0.0	-1.37e-04	-7.18e-05
5083	139	1.80	-11.91	-0.41	0.0	8.55e-05	3.84e-04

5083	140	9.63	9.58	-0.41	0.0	2.79e-04	-5.47e-04
5083	166	-5.82	8.66	-0.53	0.0	-1.57e-04	-8.00e-05
5083	171	1.99	-13.40	-0.41	0.0	9.26e-05	4.35e-04
5083	172	9.42	9.39	-0.41	0.0	2.72e-04	-5.35e-04
5083	198	-5.68	8.64	-0.53	0.0	-1.53e-04	-8.26e-05
5083	203	1.95	-13.37	-0.41	0.0	9.18e-05	4.36e-04
5083	204	10.90	10.96	-0.40	0.0	3.10e-04	-6.20e-04
5083	230	-6.64	10.14	-0.54	0.0	-1.81e-04	-9.87e-05
5083	235	2.19	-15.67	-0.40	0.0	1.01e-04	5.20e-04
5084	4	0.51	0.54	-0.84	9.59e-05	8.47e-05	-1.89e-05
5084	44	0.44	-1.93	-0.73	1.51e-04	7.35e-05	-1.79e-05
5084	68	0.36	0.35	-0.59	6.97e-05	5.99e-05	-1.38e-05
5084	88	0.31	-1.30	-0.52	1.06e-04	5.24e-05	-1.32e-05
5084	98	0.29	-0.22	-0.48	7.47e-05	4.98e-05	-1.31e-05
5084	105	0.27	-0.42	-0.46	7.77e-05	4.76e-05	-1.27e-05
5084	107	0.27	-0.21	-0.46	7.21e-05	4.77e-05	-1.28e-05
5084	108	8.69	8.63	-0.42	-8.22e-05	1.80e-04	-4.90e-04
5084	134	-5.20	7.86	-0.53	-9.24e-05	-4.98e-05	-7.23e-05
5084	139	1.84	-12.20	-0.42	3.00e-04	7.81e-05	3.81e-04
5084	140	9.75	9.74	-0.41	-1.02e-04	1.97e-04	-5.50e-04
5084	166	-5.89	8.87	-0.54	-1.13e-04	-6.20e-05	-8.03e-05
5084	171	2.03	-13.72	-0.41	3.28e-04	8.19e-05	4.32e-04
5084	172	9.54	9.55	-0.41	-9.88e-05	1.94e-04	-5.38e-04
5084	198	-5.75	8.85	-0.54	-1.12e-04	-5.99e-05	-8.29e-05
5084	203	1.99	-13.69	-0.41	3.27e-04	1.12e-05	4.33e-04
5084	204	11.04	11.14	-0.41	-1.27e-04	2.18e-04	-6.24e-04
5084	230	-6.72	10.39	-0.55	-1.43e-04	-7.75e-05	-9.86e-05
5084	235	2.23	-16.04	-0.40	3.71e-04	8.57e-05	5.18e-04
5085	4	0.45	0.55	-0.82	0.0	5.78e-05	-1.62e-05
5085	28	0.44	-1.24	-0.84	0.0	5.70e-05	-1.72e-05
5085	44	0.38	-1.80	-0.75	0.0	4.83e-05	-1.60e-05
5085	68	0.31	0.36	-0.58	0.0	3.96e-05	-1.19e-05
5085	80	0.31	-0.84	-0.59	0.0	3.90e-05	-1.26e-05
5085	88	0.27	-1.21	-0.53	0.0	3.32e-05	-1.18e-05
5085	98	0.25	-0.19	-0.48	0.0	3.01e-05	-1.15e-05
5085	105	0.24	-0.38	-0.46	0.0	2.81e-05	-1.12e-05
5085	107	0.24	-0.18	-0.46	0.0	2.82e-05	-1.12e-05
5085	108	8.37	8.33	-0.39	0.0	3.11e-04	-4.89e-04
5085	111	-7.89	-8.68	-0.53	0.0	-2.55e-04	4.66e-04
5085	139	1.81	-11.61	-0.50	0.0	9.26e-05	3.81e-04
5085	140	9.39	9.40	-0.38	0.0	3.47e-04	-5.49e-04
5085	143	-8.92	-9.75	-0.54	0.0	-2.91e-04	5.26e-04
5085	171	2.00	-13.06	-0.51	0.0	1.01e-04	4.32e-04
5085	172	9.16	9.22	-0.38	0.0	3.37e-04	-5.37e-04
5085	175	-8.68	-9.57	-0.54	0.0	-2.81e-04	5.15e-04
5085	203	1.97	-13.04	-0.51	0.0	9.99e-05	4.33e-04
5085	204	10.59	10.76	-0.37	0.0	3.86e-04	-6.22e-04
5085	207	-10.11	-11.11	-0.55	0.0	-3.29e-04	6.00e-04
5085	235	2.21	-15.28	-0.52	0.0	1.10e-04	5.17e-04
5086	4	0.47	0.54	-0.83	0.0	5.62e-05	-1.75e-05
5086	28	0.47	-1.30	-0.85	0.0	5.53e-05	-1.84e-05
5086	44	0.41	-1.87	-0.76	0.0	4.67e-05	-1.70e-05
5086	68	0.33	0.35	-0.59	0.0	3.84e-05	-1.29e-05
5086	80	0.33	-0.87	-0.60	0.0	3.78e-05	-1.35e-05
5086	88	0.28	-1.25	-0.54	0.0	3.21e-05	-1.25e-05
5086	98	0.27	-0.20	-0.49	0.0	2.88e-05	-1.23e-05
5086	105	0.25	-0.40	-0.47	0.0	2.69e-05	-1.20e-05
5086	107	0.25	-0.19	-0.47	0.0	2.70e-05	-1.20e-05
5086	108	8.50	8.49	-0.40	0.0	2.49e-04	-4.90e-04
5086	111	-8.00	-8.87	-0.54	0.0	-1.95e-04	4.66e-04
5086	139	1.85	-11.91	-0.51	0.0	8.21e-05	3.82e-04
5086	140	9.54	9.58	-0.39	0.0	2.77e-04	-5.50e-04
5086	143	-9.04	-9.96	-0.55	0.0	-2.23e-04	5.26e-04
5086	171	2.05	-13.40	-0.51	0.0	8.90e-05	4.32e-04
5086	172	9.30	9.39	-0.39	0.0	2.69e-04	-5.39e-04
5086	175	-8.80	-9.77	-0.55	0.0	-2.15e-04	5.15e-04
5086	203	2.02	-13.37	-0.52	0.0	8.83e-05	4.34e-04
5086	204	10.75	10.96	-0.37	0.0	3.07e-04	-6.24e-04
5086	207	-10.25	-11.34	-0.56	0.0	-2.53e-04	6.00e-04
5086	235	2.26	-15.67	-0.52	0.0	9.72e-05	5.18e-04
5087	4	0.50	0.54	-0.85	1.05e-04	8.47e-05	-1.91e-05
5087	28	0.49	-1.35	-0.87	1.57e-04	8.34e-05	-1.98e-05
5087	44	0.43	-1.93	-0.78	1.62e-04	7.35e-05	-1.81e-05
5087	68	0.35	0.35	-0.60	7.64e-05	5.99e-05	-1.40e-05
5087	80	0.34	-0.91	-0.61	1.11e-04	5.89e-05	-1.44e-05

5087	88	0.30	-1.30	-0.55	1.14e-04	5.24e-05	-1.34e-05
5087	98	0.28	-0.22	-0.50	8.14e-05	4.98e-05	-1.32e-05
5087	105	0.26	-0.42	-0.48	8.43e-05	4.76e-05	-1.28e-05
5087	107	0.27	-0.21	-0.48	7.84e-05	4.77e-05	-1.29e-05
5087	108	8.61	8.63	-0.41	-8.76e-05	1.80e-04	-4.91e-04
5087	111	-8.08	-9.05	-0.55	2.44e-04	-8.48e-05	4.65e-04
5087	139	1.89	-12.20	-0.52	3.20e-04	7.81e-05	3.80e-04
5087	140	9.66	9.74	-0.40	-1.08e-04	1.97e-04	-5.51e-04
5087	143	-9.13	-10.16	-0.56	2.65e-04	-1.02e-04	5.25e-04
5087	171	2.09	-13.72	-0.53	3.51e-04	8.19e-05	4.31e-04
5087	172	9.42	9.55	-0.40	-1.06e-04	1.94e-04	-5.40e-04
5087	175	-8.89	-9.96	-0.56	2.62e-04	-9.87e-05	5.14e-04
5087	203	2.06	-13.69	-0.53	3.50e-04	8.12e-05	4.33e-04
5087	204	10.88	11.15	-0.38	-1.36e-04	2.18e-04	-6.26e-04
5087	207	-10.35	-11.56	-0.57	2.93e-04	-1.23e-04	6.00e-04
5087	235	2.31	-16.04	-0.54	3.97e-04	5.17e-05	5.17e-04
5088	4	0.44	0.55	-0.86	0.0	5.68e-05	-2.20e-05
5088	28	0.43	-1.24	-0.90	0.0	5.60e-05	-2.28e-05
5088	44	0.37	-1.80	-0.81	0.0	4.74e-05	-2.12e-05
5088	68	0.30	0.36	-0.61	0.0	3.89e-05	-1.62e-05
5088	80	0.30	-0.84	-0.63	0.0	3.83e-05	-1.68e-05
5088	88	0.26	-1.21	-0.57	0.0	3.26e-05	-1.56e-05
5088	98	0.24	-0.19	-0.51	0.0	2.94e-05	-1.55e-05
5088	105	0.23	-0.38	-0.50	0.0	2.75e-05	-1.51e-05
5088	107	0.23	-0.18	-0.49	0.0	2.76e-05	-1.51e-05
5088	108	8.30	8.33	-0.36	0.0	3.09e-04	-4.93e-04
5088	127	-5.13	-9.76	-0.64	0.0	-1.80e-04	-7.30e-05
5088	139	1.86	-11.61	-0.63	0.0	9.17e-05	3.78e-04
5088	140	9.32	9.40	-0.35	0.0	3.44e-04	-5.54e-04
5088	159	-5.79	-10.95	-0.66	0.0	-2.06e-04	-8.08e-05
5088	171	2.06	-13.06	-0.64	0.0	9.97e-05	4.29e-04
5088	172	9.06	9.22	-0.35	0.0	3.34e-04	-5.42e-04
5088	191	-5.62	-10.69	-0.66	0.0	-1.99e-04	-8.30e-05
5088	203	2.03	-13.04	-0.65	0.0	9.92e-05	4.30e-04
5088	204	10.45	10.76	-0.32	0.0	3.82e-04	-6.27e-04
5088	227	-5.82	-12.61	-0.68	0.0	-2.20e-04	-7.56e-05
5088	235	2.29	-15.28	-0.67	0.0	1.10e-04	5.14e-04
5089	4	0.46	0.54	-0.87	0.0	5.53e-05	-2.09e-05
5089	28	0.46	-1.30	-0.91	0.0	5.46e-05	-2.17e-05
5089	44	0.40	-1.87	-0.82	0.0	4.61e-05	-2.01e-05
5089	68	0.32	0.35	-0.61	0.0	3.78e-05	-1.54e-05
5089	80	0.32	-0.87	-0.64	0.0	3.73e-05	-1.59e-05
5089	88	0.28	-1.25	-0.58	0.0	3.16e-05	-1.48e-05
5089	98	0.26	-0.20	-0.52	0.0	2.84e-05	-1.47e-05
5089	105	0.25	-0.40	-0.50	0.0	2.64e-05	-1.43e-05
5089	107	0.25	-0.19	-0.50	0.0	2.65e-05	-1.43e-05
5089	108	8.43	8.48	-0.37	0.0	2.43e-04	-4.93e-04
5089	127	-5.20	-10.01	-0.65	0.0	-1.41e-04	-7.28e-05
5089	139	1.90	-11.91	-0.64	0.0	7.97e-05	3.79e-04
5089	140	9.46	9.57	-0.35	0.0	2.70e-04	-5.54e-04
5089	159	-5.88	-11.22	-0.67	0.0	-1.62e-04	-8.07e-05
5089	171	2.10	-13.40	-0.65	0.0	8.64e-05	4.30e-04
5089	172	9.20	9.39	-0.35	0.0	2.62e-04	-5.42e-04
5089	191	-5.71	-10.95	-0.66	0.0	-1.57e-04	-8.30e-05
5089	203	2.08	-13.37	-0.65	0.0	8.59e-05	4.32e-04
5089	204	10.61	10.96	-0.33	0.0	3.00e-04	-6.28e-04
5089	227	-5.92	-12.91	-0.69	0.0	-1.81e-04	-7.49e-05
5089	235	2.34	-15.67	-0.68	0.0	9.45e-05	5.16e-04
5090	4	0.49	0.54	-0.89	1.38e-04	8.47e-05	-1.86e-05
5090	28	0.48	-1.35	-0.93	1.97e-04	8.34e-05	-1.94e-05
5090	44	0.42	-1.93	-0.84	1.99e-04	7.35e-05	-1.78e-05
5090	68	0.34	0.35	-0.63	9.98e-05	5.99e-05	-1.36e-05
5090	80	0.34	-0.91	-0.66	1.39e-04	5.89e-05	-1.42e-05
5090	88	0.29	-1.30	-0.60	1.40e-04	5.24e-05	-1.31e-05
5090	98	0.27	-0.22	-0.53	1.03e-04	4.98e-05	-1.29e-05
5090	105	0.26	-0.42	-0.51	1.06e-04	4.76e-05	-1.25e-05
5090	107	0.26	-0.21	-0.51	9.94e-05	4.77e-05	-1.26e-05
5090	108	8.53	8.63	-0.38	-1.02e-04	1.80e-04	-4.91e-04
5090	127	-5.26	-10.24	-0.66	3.60e-04	-5.50e-05	-7.09e-05
5090	139	1.93	-12.20	-0.65	3.85e-04	7.81e-05	3.80e-04
5090	140	9.57	9.74	-0.36	-1.27e-04	1.97e-04	-5.51e-04
5090	159	-5.95	-11.48	-0.68	3.92e-04	-6.78e-05	-7.88e-05
5090	171	2.14	-13.72	-0.67	4.21e-04	8.19e-05	4.31e-04
5090	172	9.31	9.55	-0.36	-1.24e-04	1.94e-04	-5.41e-04
5090	191	-5.77	-11.20	-0.68	3.86e-04	-6.56e-05	-8.12e-05

5090	203	2.12	-13.70	-0.67	4.20e-04	8.12e-05	4.32e-04
5090	204	10.74	11.15	-0.34	-1.62e-04	2.18e-04	-6.27e-04
5090	227	-6.00	-13.21	-0.71	4.37e-04	-8.49e-05	-7.23e-05
5090	235	2.38	-16.05	-0.69	4.76e-04	8.57e-05	5.17e-04
5091	4	0.42	0.55	-0.93	0.0	5.81e-05	-3.09e-05
5091	28	0.42	-1.24	-1.00	0.0	5.73e-05	-3.15e-05
5091	44	0.36	-1.80	-0.92	0.0	4.86e-05	-2.93e-05
5091	68	0.29	0.36	-0.66	0.0	3.98e-05	-2.27e-05
5091	80	0.29	-0.84	-0.71	0.0	3.93e-05	-2.32e-05
5091	88	0.25	-1.21	-0.65	0.0	3.35e-05	-2.17e-05
5091	98	0.24	-0.19	-0.57	0.0	3.04e-05	-2.16e-05
5091	105	0.22	-0.38	-0.55	0.0	2.84e-05	-2.11e-05
5091	107	0.22	-0.18	-0.54	0.0	2.85e-05	-2.11e-05
5091	108	8.24	8.33	-0.32	0.0	3.06e-04	-5.00e-04
5091	127	-5.15	-9.76	-0.82	0.0	-1.78e-04	-8.22e-05
5091	139	1.90	-11.61	-0.82	0.0	9.22e-05	3.74e-04
5091	140	9.25	9.40	-0.29	0.0	3.41e-04	-5.61e-04
5091	159	-5.82	-10.95	-0.85	0.0	-2.04e-04	-9.03e-05
5091	171	2.11	-13.06	-0.85	0.0	1.00e-04	4.25e-04
5091	172	8.96	9.22	-0.29	0.0	3.31e-04	-5.48e-04
5091	203	2.09	-13.04	-0.85	0.0	9.99e-05	4.26e-04
5091	204	10.33	10.76	-0.25	0.0	3.78e-04	-6.34e-04
5091	235	2.37	-15.28	-0.91	0.0	1.11e-04	5.10e-04
5092	4	0.45	0.54	-0.95	0.0	5.85e-05	-2.61e-05
5092	28	0.44	-1.30	-1.02	0.0	5.77e-05	-2.68e-05
5092	44	0.38	-1.87	-0.93	0.0	4.90e-05	-2.48e-05
5092	68	0.31	0.35	-0.67	0.0	4.01e-05	-1.92e-05
5092	80	0.31	-0.87	-0.72	0.0	3.96e-05	-1.97e-05
5092	88	0.27	-1.25	-0.66	0.0	3.38e-05	-1.83e-05
5092	98	0.25	-0.20	-0.58	0.0	3.06e-05	-1.82e-05
5092	105	0.24	-0.40	-0.56	0.0	2.87e-05	-1.77e-05
5092	107	0.24	-0.19	-0.55	0.0	2.87e-05	-1.78e-05
5092	108	8.37	8.48	-0.32	0.0	2.37e-04	-4.97e-04
5092	127	-5.23	-10.01	-0.83	0.0	-1.35e-04	-7.79e-05
5092	139	1.94	-11.91	-0.83	0.0	7.97e-05	3.77e-04
5092	140	9.39	9.57	-0.29	0.0	2.63e-04	-5.58e-04
5092	159	-5.91	-11.22	-0.86	0.0	-1.55e-04	-8.60e-05
5092	171	2.16	-13.40	-0.86	0.0	8.61e-05	4.28e-04
5092	172	9.10	9.39	-0.29	0.0	2.56e-04	-5.46e-04
5092	203	2.14	-13.37	-0.86	0.0	8.57e-05	4.29e-04
5092	204	10.49	10.96	-0.25	0.0	2.92e-04	-6.32e-04
5092	235	2.42	-15.67	-0.92	0.0	9.40e-05	5.14e-04
5093	4	0.48	0.54	-0.97	1.84e-04	8.47e-05	-1.93e-05
5093	28	0.47	-1.35	-1.04	2.53e-04	8.34e-05	-2.01e-05
5093	44	0.41	-1.93	-0.95	2.53e-04	7.35e-05	-1.85e-05
5093	68	0.33	0.35	-0.68	1.33e-04	5.99e-05	-1.42e-05
5093	80	0.33	-0.91	-0.73	1.78e-04	5.89e-05	-1.47e-05
5093	88	0.29	-1.30	-0.67	1.78e-04	5.24e-05	-1.36e-05
5093	98	0.27	-0.22	-0.59	1.34e-04	4.98e-05	-1.34e-05
5093	105	0.25	-0.42	-0.57	1.37e-04	4.76e-05	-1.30e-05
5093	107	0.25	-0.21	-0.56	1.29e-04	4.77e-05	-1.31e-05
5093	108	8.47	8.63	-0.33	-1.27e-04	1.80e-04	-4.91e-04
5093	127	-5.28	-10.24	-0.84	4.60e-04	-5.50e-05	-7.15e-05
5093	139	1.98	-12.21	-0.84	4.86e-04	7.81e-05	3.80e-04
5093	140	9.50	9.74	-0.30	-1.59e-04	1.97e-04	-5.52e-04
5093	159	-5.97	-11.49	-0.88	5.01e-04	-6.78e-05	-7.94e-05
5093	171	2.20	-13.73	-0.88	5.32e-04	8.19e-05	4.30e-04
5093	172	9.21	9.55	-0.30	-1.56e-04	1.94e-04	-5.41e-04
5093	203	2.18	-13.70	-0.88	5.31e-04	8.12e-05	4.32e-04
5093	204	10.61	11.15	-0.26	-2.04e-04	2.18e-04	-6.27e-04
5093	235	2.46	-16.05	-0.93	6.01e-04	8.57e-05	5.16e-04
5094	4	0.40	0.55	-1.05	0.0	6.27e-05	-4.33e-05
5094	28	0.40	-1.24	-1.16	0.0	6.18e-05	-4.38e-05
5094	44	0.34	-1.80	-1.07	0.0	5.29e-05	-4.07e-05
5094	68	0.28	0.36	-0.75	0.0	4.32e-05	-3.20e-05
5094	80	0.28	-0.84	-0.82	0.0	4.27e-05	-3.23e-05
5094	88	0.24	-1.21	-0.76	0.0	3.67e-05	-3.02e-05
5094	98	0.22	-0.19	-0.65	0.0	3.36e-05	-3.02e-05
5094	105	0.21	-0.38	-0.64	0.0	3.16e-05	-2.95e-05
5094	107	0.21	-0.18	-0.63	0.0	3.17e-05	-2.96e-05
5094	108	8.20	8.33	-0.25	0.0	3.02e-04	-5.10e-04
5094	135	1.37	-11.53	-1.10	0.0	8.38e-05	3.65e-04
5094	139	1.94	-11.61	-1.10	0.0	9.41e-05	3.71e-04
5094	140	9.20	9.40	-0.20	0.0	3.36e-04	-5.70e-04
5094	171	2.16	-13.06	-1.16	0.0	1.02e-04	4.22e-04

5094	172	8.89	9.22	-0.21	0.0	3.26e-04	-5.57e-04
5094	203	2.15	-13.04	-1.16	0.0	1.02e-04	4.22e-04
5094	204	10.23	10.76	-0.13	0.0	3.72e-04	-6.42e-04
5094	235	2.44	-15.28	-1.25	0.0	1.12e-04	5.07e-04
5095	4	0.44	0.54	-1.07	0.0	6.57e-05	-3.27e-05
5095	28	0.43	-1.30	-1.18	0.0	6.49e-05	-3.33e-05
5095	44	0.37	-1.87	-1.09	0.0	5.59e-05	-3.09e-05
5095	68	0.30	0.35	-0.75	0.0	4.55e-05	-2.41e-05
5095	80	0.30	-0.88	-0.83	0.0	4.50e-05	-2.45e-05
5095	88	0.26	-1.26	-0.77	0.0	3.89e-05	-2.29e-05
5095	98	0.24	-0.20	-0.66	0.0	3.58e-05	-2.28e-05
5095	105	0.23	-0.40	-0.64	0.0	3.37e-05	-2.22e-05
5095	107	0.23	-0.19	-0.63	0.0	3.38e-05	-2.23e-05
5095	108	8.32	8.48	-0.25	0.0	2.30e-04	-5.03e-04
5095	135	1.41	-11.83	-1.11	0.0	7.92e-05	3.68e-04
5095	139	1.99	-11.91	-1.11	0.0	8.15e-05	3.76e-04
5095	140	9.34	9.57	-0.21	0.0	2.55e-04	-5.63e-04
5095	171	2.21	-13.40	-1.17	0.0	8.74e-05	4.27e-04
5095	172	9.02	9.39	-0.21	0.0	2.49e-04	-5.51e-04
5095	203	2.20	-13.37	-1.17	0.0	8.71e-05	4.28e-04
5095	204	10.38	10.95	-0.14	0.0	2.83e-04	-6.37e-04
5095	235	2.49	-15.67	-1.27	0.0	9.49e-05	5.12e-04
5096	4	0.47	0.53	-1.09	2.31e-04	8.47e-05	-1.75e-05
5096	28	0.46	-1.36	-1.20	3.12e-04	8.34e-05	-1.83e-05
5096	44	0.40	-1.94	-1.11	3.10e-04	7.35e-05	-1.68e-05
5096	68	0.33	0.34	-0.77	1.66e-04	5.99e-05	-1.28e-05
5096	80	0.32	-0.91	-0.84	2.20e-04	5.89e-05	-1.34e-05
5096	88	0.28	-1.30	-0.78	2.19e-04	5.24e-05	-1.24e-05
5096	98	0.26	-0.22	-0.67	1.67e-04	4.98e-05	-1.21e-05
5096	105	0.24	-0.42	-0.66	1.69e-04	4.76e-05	-1.18e-05
5096	107	0.24	-0.21	-0.64	1.60e-04	4.77e-05	-1.18e-05
5096	108	8.41	8.63	-0.26	-1.60e-04	1.80e-04	-4.90e-04
5096	135	1.45	-12.13	-1.13	6.05e-04	7.82e-05	3.73e-04
5096	139	2.02	-12.21	-1.12	6.06e-04	7.81e-05	3.81e-04
5096	140	9.44	9.74	-0.22	-2.00e-04	1.97e-04	-5.51e-04
5096	171	2.25	-13.73	-1.19	6.63e-04	8.19e-05	4.31e-04
5096	172	9.12	9.55	-0.22	-1.97e-04	1.94e-04	-5.40e-04
5096	203	2.24	-13.70	-1.19	6.62e-04	8.12e-05	4.33e-04
5096	204	10.50	11.15	-0.15	-2.57e-04	2.18e-04	-6.27e-04
5096	235	2.54	-16.06	-1.28	7.49e-04	8.57e-05	5.18e-04
5097	4	0.38	0.55	-1.22	0.0	7.30e-05	-5.89e-05
5097	28	0.37	-1.24	-1.38	0.0	7.20e-05	-5.91e-05
5097	44	0.32	-1.80	-1.28	0.0	6.24e-05	-5.51e-05
5097	68	0.26	0.36	-0.86	0.0	5.09e-05	-4.35e-05
5097	80	0.26	-0.84	-0.97	0.0	5.02e-05	-4.36e-05
5097	88	0.22	-1.21	-0.90	0.0	4.38e-05	-4.09e-05
5097	98	0.20	-0.19	-0.77	0.0	4.09e-05	-4.10e-05
5097	105	0.19	-0.38	-0.75	0.0	3.87e-05	-4.00e-05
5097	107	0.19	-0.18	-0.74	0.0	3.88e-05	-4.02e-05
5097	108	8.17	8.33	-0.16	0.0	2.97e-04	-5.22e-04
5097	139	1.98	-11.61	-1.49	0.0	9.83e-05	3.68e-04
5097	140	9.17	9.40	-0.08	0.0	3.29e-04	-5.82e-04
5097	171	2.21	-13.06	-1.58	0.0	1.06e-04	4.21e-04
5097	172	8.83	9.22	-0.09	0.0	3.20e-04	-5.68e-04
5097	203	2.21	-13.04	-1.58	0.0	1.06e-04	4.19e-04
5097	204	10.15	10.76	0.02	0.0	3.63e-04	-6.53e-04
5097	235	2.51	-15.28	-1.73	0.0	1.16e-04	5.05e-04
5098	4	0.42	0.54	-1.23	0.0	8.31e-05	-4.00e-05
5098	28	0.41	-1.30	-1.39	0.0	8.20e-05	-4.05e-05
5098	44	0.35	-1.87	-1.29	0.0	7.19e-05	-3.76e-05
5098	68	0.29	0.35	-0.87	0.0	5.84e-05	-2.95e-05
5098	80	0.28	-0.88	-0.98	0.0	5.76e-05	-2.98e-05
5098	88	0.24	-1.26	-0.91	0.0	5.09e-05	-2.79e-05
5098	98	0.23	-0.20	-0.77	0.0	4.79e-05	-2.78e-05
5098	105	0.21	-0.40	-0.76	0.0	4.56e-05	-2.71e-05
5098	107	0.21	-0.19	-0.74	0.0	4.57e-05	-2.72e-05
5098	108	8.29	8.48	-0.16	0.0	2.20e-04	-5.08e-04
5098	139	2.03	-11.91	-1.50	0.0	8.67e-05	3.74e-04
5098	140	9.30	9.57	-0.09	0.0	2.42e-04	-5.69e-04
5098	171	2.26	-13.40	-1.59	0.0	9.18e-05	4.26e-04
5098	172	8.96	9.39	-0.09	0.0	2.37e-04	-5.56e-04
5098	203	2.25	-13.37	-1.59	0.0	9.14e-05	4.26e-04
5098	204	10.29	10.95	0.02	0.0	2.68e-04	-6.42e-04
5098	235	2.57	-15.67	-1.74	0.0	9.79e-05	5.11e-04
5099	4	0.46	0.53	-1.25	2.65e-04	8.47e-05	-1.41e-05

5099	28	0.45	-1.36	-1.41	3.58e-04	8.34e-05	-1.52e-05
5099	44	0.39	-1.94	-1.31	3.55e-04	7.35e-05	-1.39e-05
5099	68	0.32	0.34	-0.88	1.91e-04	5.99e-05	-1.03e-05
5099	80	0.31	-0.92	-0.99	2.52e-04	5.89e-05	-1.10e-05
5099	88	0.27	-1.30	-0.93	2.51e-04	5.24e-05	-1.02e-05
5099	98	0.25	-0.22	-0.78	1.92e-04	4.98e-05	-9.80e-06
5099	105	0.24	-0.42	-0.77	1.95e-04	4.76e-05	-9.50e-06
5099	107	0.24	-0.21	-0.75	1.84e-04	4.77e-05	-9.53e-06
5099	108	8.37	8.63	-0.17	-1.97e-04	1.80e-04	-4.88e-04
5099	139	2.07	-12.22	-1.51	7.18e-04	7.81e-05	3.82e-04
5099	140	9.39	9.74	-0.10	-2.45e-04	1.97e-04	-5.49e-04
5099	171	2.30	-13.73	-1.61	7.86e-04	8.19e-05	4.33e-04
5099	172	9.05	9.55	-0.10	-2.40e-04	1.94e-04	-5.38e-04
5099	203	2.30	-13.71	-1.61	7.85e-04	8.12e-05	4.35e-04
5099	204	10.40	11.15	0.01	-3.12e-04	2.18e-04	-6.25e-04
5099	235	2.61	-16.06	-1.76	8.89e-04	8.57e-05	5.20e-04
5100	4	0.26	0.55	-1.40	0.0	-9.31e-06	-3.45e-05
5100	28	0.25	-1.02	-1.61	0.0	-8.67e-06	-3.59e-05
5100	44	0.22	-1.52	-1.51	0.0	-1.31e-05	-3.37e-05
5100	68	0.18	0.36	-0.99	0.0	-1.00e-05	-2.55e-05
5100	80	0.18	-0.69	-1.13	0.0	-9.58e-06	-2.65e-05
5100	88	0.15	-1.02	-1.07	0.0	-1.26e-05	-2.50e-05
5100	98	0.14	-0.13	-0.90	0.0	-1.59e-05	-2.46e-05
5100	105	0.14	-0.30	-0.88	0.0	-1.69e-05	-2.41e-05
5100	107	0.14	-0.12	-0.86	0.0	-1.70e-05	-2.41e-05
5100	108	7.06	7.63	-0.03	0.0	7.57e-04	-4.66e-04
5100	139	1.74	-10.29	-1.96	0.0	1.60e-04	3.38e-04
5100	140	7.92	8.61	0.08	0.0	8.54e-04	-5.22e-04
5100	171	1.94	-11.58	-2.10	0.0	1.83e-04	3.85e-04
5100	172	7.60	8.46	0.07	0.0	8.12e-04	-5.12e-04
5100	203	1.94	-11.57	-2.10	0.0	1.84e-04	3.86e-04
5100	204	8.73	9.87	0.23	0.0	9.34e-04	-5.91e-04
5100	235	2.23	-13.57	-2.31	0.0	2.17e-04	4.63e-04
5101	4	0.26	0.55	-1.40	0.0	1.00e-05	-6.78e-05
5101	28	0.25	-1.08	-1.62	0.0	1.03e-05	-6.84e-05
5101	44	0.22	-1.59	-1.52	0.0	4.65e-06	-6.41e-05
5101	68	0.18	0.36	-0.99	0.0	4.29e-06	-5.02e-05
5101	80	0.17	-0.73	-1.14	0.0	4.48e-06	-5.06e-05
5101	88	0.15	-1.07	-1.07	0.0	0.0	-4.77e-05
5101	98	0.14	-0.14	-0.90	0.0	-2.55e-06	-4.75e-05
5101	105	0.13	-0.32	-0.88	0.0	-3.78e-06	-4.66e-05
5101	107	0.13	-0.14	-0.86	0.0	-3.83e-06	-4.66e-05
5101	108	7.44	7.81	-0.03	0.0	6.61e-04	-5.06e-04
5101	139	1.82	-10.63	-1.97	0.0	1.49e-04	3.45e-04
5101	140	8.35	8.81	0.08	0.0	7.44e-04	-5.64e-04
5101	171	2.04	-11.96	-2.11	0.0	1.68e-04	3.95e-04
5101	172	8.01	8.65	0.07	0.0	7.10e-04	-5.50e-04
5101	203	2.04	-11.95	-2.10	0.0	1.69e-04	3.93e-04
5101	204	9.20	10.10	0.23	0.0	8.15e-04	-6.30e-04
5101	235	2.34	-14.01	-2.32	0.0	1.97e-04	4.75e-04
5102	4	0.27	0.55	-1.40	0.0	3.79e-05	-9.32e-05
5102	28	0.26	-1.13	-1.62	0.0	3.76e-05	-9.31e-05
5102	44	0.22	-1.66	-1.52	0.0	3.03e-05	-8.71e-05
5102	68	0.18	0.36	-0.99	0.0	2.49e-05	-6.89e-05
5102	80	0.18	-0.76	-1.14	0.0	2.48e-05	-6.89e-05
5102	88	0.15	-1.12	-1.07	0.0	1.99e-05	-6.49e-05
5102	98	0.14	-0.16	-0.90	0.0	1.67e-05	-6.50e-05
5102	105	0.13	-0.34	-0.89	0.0	1.51e-05	-6.36e-05
5102	107	0.13	-0.15	-0.86	0.0	1.51e-05	-6.38e-05
5102	108	7.75	7.99	-0.03	0.0	5.33e-04	-5.39e-04
5102	139	1.90	-10.97	-1.97	0.0	1.34e-04	3.53e-04
5102	140	8.70	9.01	0.08	0.0	5.98e-04	-5.99e-04
5102	171	2.12	-12.34	-2.11	0.0	1.50e-04	4.06e-04
5102	172	8.35	8.85	0.07	0.0	5.72e-04	-5.82e-04
5102	203	2.12	-12.32	-2.11	0.0	1.50e-04	4.02e-04
5102	204	9.59	10.32	0.23	0.0	6.56e-04	-6.63e-04
5102	235	2.44	-14.45	-2.33	0.0	1.72e-04	4.87e-04
5103	4	0.30	0.55	-1.41	0.0	6.68e-05	-1.01e-04
5103	28	0.29	-1.19	-1.62	0.0	6.60e-05	-1.01e-04
5103	44	0.25	-1.73	-1.52	0.0	5.69e-05	-9.41e-05
5103	68	0.20	0.36	-1.00	0.0	4.63e-05	-7.47e-05
5103	80	0.20	-0.80	-1.14	0.0	4.58e-05	-7.44e-05
5103	88	0.17	-1.17	-1.08	0.0	3.97e-05	-7.01e-05
5103	98	0.15	-0.17	-0.90	0.0	3.67e-05	-7.03e-05
5103	105	0.14	-0.36	-0.89	0.0	3.47e-05	-6.88e-05

5103	107	0.14	-0.16	-0.86	0.0	3.48e-05	-6.90e-05
5103	108	7.99	8.17	-0.03	0.0	4.01e-04	-5.52e-04
5103	139	1.96	-11.30	-1.98	0.0	1.19e-04	3.57e-04
5103	140	8.98	9.21	0.08	0.0	4.47e-04	-6.13e-04
5103	171	2.19	-12.71	-2.12	0.0	1.30e-04	4.11e-04
5103	172	8.61	9.04	0.07	0.0	4.30e-04	-5.96e-04
5103	203	2.20	-12.69	-2.12	0.0	1.30e-04	4.06e-04
5103	204	9.88	10.55	0.23	0.0	4.91e-04	-6.78e-04
5103	235	2.52	-14.88	-2.34	0.0	1.45e-04	4.93e-04
5104	4	0.24	0.55	-1.59	0.0	-4.79e-05	-3.72e-05
5104	28	0.23	-1.02	-1.87	0.0	-4.63e-05	-3.86e-05
5104	44	0.20	-1.52	-1.77	0.0	-4.84e-05	-3.63e-05
5104	68	0.17	0.36	-1.13	0.0	-3.85e-05	-2.75e-05
5104	80	0.16	-0.69	-1.32	0.0	-3.75e-05	-2.85e-05
5104	88	0.14	-1.02	-1.25	0.0	-3.89e-05	-2.69e-05
5104	98	0.13	-0.13	-1.04	0.0	-4.25e-05	-2.65e-05
5104	105	0.12	-0.30	-1.02	0.0	-4.29e-05	-2.60e-05
5104	107	0.12	-0.12	-0.99	0.0	-4.31e-05	-2.59e-05
5104	108	7.04	7.63	0.14	0.0	7.98e-04	-4.67e-04
5104	139	1.77	-10.29	-2.51	0.0	1.56e-04	3.37e-04
5104	140	7.91	8.61	0.28	0.0	9.02e-04	-5.23e-04
5104	171	1.98	-11.58	-2.71	0.0	1.81e-04	3.83e-04
5104	172	7.56	8.46	0.27	0.0	8.55e-04	-5.13e-04
5104	203	1.99	-11.57	-2.70	0.0	1.84e-04	3.84e-04
5104	204	8.67	9.87	0.48	0.0	9.86e-04	-5.92e-04
5104	235	2.29	-13.57	-3.00	0.0	2.21e-04	4.62e-04
5105	4	0.22	0.55	-1.58	0.0	-2.44e-05	-7.76e-05
5105	28	0.21	-1.08	-1.87	0.0	-2.33e-05	-7.81e-05
5105	44	0.17	-1.59	-1.77	0.0	-2.67e-05	-7.32e-05
5105	68	0.15	0.36	-1.12	0.0	-2.12e-05	-5.74e-05
5105	80	0.14	-0.73	-1.31	0.0	-2.04e-05	-5.77e-05
5105	88	0.12	-1.07	-1.25	0.0	-2.27e-05	-5.45e-05
5105	98	0.11	-0.14	-1.03	0.0	-2.62e-05	-5.43e-05
5105	105	0.10	-0.32	-1.02	0.0	-2.70e-05	-5.32e-05
5105	107	0.10	-0.14	-0.99	0.0	-2.71e-05	-5.33e-05
5105	108	7.44	7.81	0.14	0.0	6.97e-04	-5.14e-04
5105	139	1.85	-10.63	-2.51	0.0	1.45e-04	3.43e-04
5105	140	8.36	8.81	0.28	0.0	7.87e-04	-5.72e-04
5105	171	2.07	-11.96	-2.70	0.0	1.68e-04	3.94e-04
5105	172	7.99	8.65	0.27	0.0	7.47e-04	-5.57e-04
5105	203	2.08	-11.95	-2.70	0.0	1.69e-04	3.91e-04
5105	204	9.16	10.10	0.48	0.0	8.60e-04	-6.37e-04
5105	235	2.40	-14.02	-3.00	0.0	2.01e-04	4.73e-04
5106	4	0.21	0.55	-1.58	0.0	2.00e-05	-1.17e-04
5106	28	0.20	-1.13	-1.87	0.0	2.03e-05	-1.16e-04
5106	44	0.17	-1.66	-1.77	0.0	1.42e-05	-1.09e-04
5106	68	0.14	0.36	-1.12	0.0	1.17e-05	-8.62e-05
5106	80	0.13	-0.76	-1.31	0.0	1.20e-05	-8.60e-05
5106	88	0.11	-1.12	-1.25	0.0	7.89e-06	-8.11e-05
5106	98	0.10	-0.16	-1.03	0.0	4.52e-06	-8.12e-05
5106	105	0.09	-0.34	-1.02	0.0	3.18e-06	-7.95e-05
5106	107	0.09	-0.15	-0.99	0.0	3.13e-06	-7.97e-05
5106	108	7.77	7.99	0.14	0.0	5.46e-04	-5.60e-04
5106	139	1.92	-10.97	-2.51	0.0	1.33e-04	3.53e-04
5106	140	8.74	9.01	0.28	0.0	6.13e-04	-6.21e-04
5106	171	2.16	-12.34	-2.70	0.0	1.49e-04	4.08e-04
5106	172	8.35	8.85	0.27	0.0	5.85e-04	-6.01e-04
5106	203	2.17	-12.32	-2.70	0.0	1.51e-04	4.01e-04
5106	204	9.57	10.32	0.48	0.0	6.71e-04	-6.81e-04
5106	235	2.50	-14.45	-3.00	0.0	1.74e-04	4.88e-04
5107	4	0.23	0.55	-1.58	0.0	7.82e-05	-1.47e-04
5107	28	0.23	-1.19	-1.87	0.0	7.75e-05	-1.46e-04
5107	44	0.19	-1.74	-1.77	0.0	6.78e-05	-1.37e-04
5107	68	0.16	0.36	-1.13	0.0	5.48e-05	-1.09e-04
5107	80	0.15	-0.80	-1.31	0.0	5.43e-05	-1.08e-04
5107	88	0.12	-1.17	-1.25	0.0	4.79e-05	-1.02e-04
5107	98	0.11	-0.17	-1.03	0.0	4.48e-05	-1.02e-04
5107	105	0.10	-0.36	-1.02	0.0	4.26e-05	-1.00e-04
5107	107	0.10	-0.16	-0.99	0.0	4.27e-05	-1.00e-04
5107	108	8.01	8.17	0.13	0.0	3.87e-04	-5.97e-04
5107	139	1.99	-11.30	-2.51	0.0	1.24e-04	3.59e-04
5107	140	9.00	9.21	0.27	0.0	4.30e-04	-6.59e-04
5107	171	2.23	-12.71	-2.70	0.0	1.34e-04	4.18e-04
5107	172	8.60	9.04	0.26	0.0	4.15e-04	-6.36e-04
5107	203	2.24	-12.69	-2.70	0.0	1.34e-04	4.08e-04

5107	204	9.86	10.55	0.48	0.0	4.71e-04	-7.17e-04
5107	235	2.58	-14.88	-2.99	0.0	1.49e-04	4.98e-04
5108	4	0.22	0.55	-1.71	0.0	-8.48e-05	-3.73e-05
5108	28	0.21	-1.02	-2.06	0.0	-8.23e-05	-3.90e-05
5108	44	0.18	-1.52	-1.96	0.0	-8.20e-05	-3.68e-05
5108	68	0.15	0.36	-1.21	0.0	-6.59e-05	-2.76e-05
5108	80	0.14	-0.69	-1.45	0.0	-6.42e-05	-2.88e-05
5108	88	0.12	-1.02	-1.39	0.0	-6.40e-05	-2.73e-05
5108	98	0.11	-0.13	-1.13	0.0	-6.80e-05	-2.67e-05
5108	105	0.11	-0.30	-1.12	0.0	-6.78e-05	-2.62e-05
5108	107	0.11	-0.12	-1.08	0.0	-6.81e-05	-2.61e-05
5108	108	7.04	7.63	0.34	0.0	8.37e-04	-4.68e-04
5108	139	1.80	-10.29	-3.03	0.0	1.52e-04	3.37e-04
5108	140	7.91	8.61	0.52	0.0	9.50e-04	-5.24e-04
5108	171	2.01	-11.58	-3.27	0.0	1.80e-04	3.84e-04
5108	172	7.53	8.46	0.50	0.0	8.97e-04	-5.14e-04
5108	203	2.03	-11.57	-3.27	0.0	1.83e-04	3.85e-04
5108	204	8.62	9.87	0.77	0.0	1.04e-03	-5.93e-04
5108	235	2.34	-13.57	-3.65	0.0	2.24e-04	4.63e-04
5109	4	0.17	0.55	-1.70	0.0	-6.47e-05	-7.94e-05
5109	28	0.16	-1.08	-2.05	0.0	-6.27e-05	-8.00e-05
5109	44	0.13	-1.59	-1.95	0.0	-6.36e-05	-7.50e-05
5109	68	0.11	0.36	-1.21	0.0	-5.10e-05	-5.88e-05
5109	80	0.11	-0.73	-1.44	0.0	-4.96e-05	-5.91e-05
5109	88	0.09	-1.07	-1.38	0.0	-5.02e-05	-5.58e-05
5109	98	0.07	-0.14	-1.12	0.0	-5.41e-05	-5.57e-05
5109	105	0.07	-0.32	-1.12	0.0	-5.42e-05	-5.45e-05
5109	107	0.07	-0.14	-1.08	0.0	-5.44e-05	-5.46e-05
5109	108	7.46	7.81	0.32	0.0	7.39e-04	-5.15e-04
5109	139	1.87	-10.63	-3.00	0.0	1.40e-04	3.43e-04
5109	140	8.39	8.81	0.50	0.0	8.38e-04	-5.73e-04
5109	171	2.10	-11.96	-3.24	0.0	1.66e-04	3.94e-04
5109	172	7.99	8.65	0.49	0.0	7.93e-04	-5.58e-04
5109	203	2.12	-11.95	-3.24	0.0	1.68e-04	3.91e-04
5109	204	9.15	10.10	0.75	0.0	9.15e-04	-6.37e-04
5109	235	2.45	-14.02	-3.62	0.0	2.05e-04	4.73e-04
5110	4	0.14	0.55	-1.70	0.0	-1.59e-05	-1.24e-04
5110	28	0.13	-1.13	-2.04	0.0	-1.47e-05	-1.24e-04
5110	44	0.10	-1.66	-1.95	0.0	-1.85e-05	-1.16e-04
5110	68	0.09	0.36	-1.21	0.0	-1.48e-05	-9.21e-05
5110	80	0.08	-0.76	-1.44	0.0	-1.40e-05	-9.18e-05
5110	88	0.06	-1.12	-1.38	0.0	-1.66e-05	-8.66e-05
5110	98	0.05	-0.16	-1.12	0.0	-2.02e-05	-8.67e-05
5110	105	0.04	-0.34	-1.12	0.0	-2.10e-05	-8.49e-05
5110	107	0.04	-0.15	-1.08	0.0	-2.11e-05	-8.51e-05
5110	108	7.82	7.99	0.31	0.0	5.85e-04	-5.68e-04
5110	139	1.94	-10.97	-2.98	0.0	1.29e-04	3.53e-04
5110	140	8.79	9.01	0.48	0.0	6.60e-04	-6.29e-04
5110	171	2.18	-12.34	-3.23	0.0	1.49e-04	4.09e-04
5110	172	8.37	8.85	0.47	0.0	6.27e-04	-6.08e-04
5110	203	2.20	-12.32	-3.22	0.0	1.51e-04	4.01e-04
5110	204	9.59	10.32	0.73	0.0	7.22e-04	-6.88e-04
5110	235	2.55	-14.45	-3.60	0.0	1.79e-04	4.88e-04
5111	4	0.11	0.55	-1.71	0.0	9.77e-05	-2.07e-04
5111	28	0.11	-1.19	-2.05	0.0	9.72e-05	-2.05e-04
5111	44	0.08	-1.74	-1.96	0.0	8.66e-05	-1.93e-04
5111	68	0.07	0.36	-1.22	0.0	6.94e-05	-1.53e-04
5111	80	0.06	-0.80	-1.45	0.0	6.90e-05	-1.52e-04
5111	88	0.04	-1.17	-1.38	0.0	6.20e-05	-1.44e-04
5111	97	-0.03	-0.11	-0.80	0.0	4.25e-05	-1.26e-04
5111	98	0.03	-0.17	-1.13	0.0	5.87e-05	-1.44e-04
5111	105	0.02	-0.36	-1.12	0.0	5.63e-05	-1.41e-04
5111	106	-0.03	-0.11	-0.80	0.0	4.25e-05	-1.26e-04
5111	107	0.02	-0.16	-1.08	0.0	5.64e-05	-1.41e-04
5111	108	8.08	8.17	0.29	0.0	3.53e-04	5.54e-04
5111	139	1.99	-11.30	-2.98	0.0	1.28e-04	3.43e-04
5111	140	9.08	9.21	0.47	0.0	3.90e-04	6.41e-04
5111	171	2.24	-12.71	-3.22	0.0	1.37e-04	4.04e-04
5111	172	8.65	9.04	0.45	0.0	3.77e-04	6.10e-04
5111	203	2.26	-12.69	-3.21	0.0	1.37e-04	3.92e-04
5111	204	9.91	10.55	0.71	0.0	4.26e-04	7.25e-04
5111	235	2.63	-14.88	-3.58	0.0	1.50e-04	4.84e-04
5112	4	0.34	0.55	-1.41	0.0	9.18e-05	-7.55e-05
5112	28	0.33	-1.24	-1.63	0.0	9.05e-05	-7.52e-05
5112	44	0.28	-1.80	-1.53	0.0	7.98e-05	-7.01e-05

5112	68	0.23	0.36	-1.00	0.0	6.48e-05	-5.57e-05
5112	80	0.23	-0.84	-1.15	0.0	6.40e-05	-5.56e-05
5112	88	0.19	-1.21	-1.08	0.0	5.69e-05	-5.21e-05
5112	98	0.18	-0.19	-0.91	0.0	5.40e-05	-5.24e-05
5112	105	0.17	-0.38	-0.89	0.0	5.16e-05	-5.12e-05
5112	107	0.17	-0.18	-0.87	0.0	5.17e-05	-5.13e-05
5112	108	8.16	8.33	-0.03	0.0	2.88e-04	-5.35e-04
5112	139	2.02	-11.61	-1.98	0.0	1.05e-04	3.66e-04
5112	140	9.16	9.40	0.08	0.0	3.17e-04	-5.95e-04
5112	171	2.25	-13.06	-2.12	0.0	1.12e-04	4.19e-04
5112	172	8.79	9.22	0.07	0.0	3.09e-04	-5.80e-04
5112	203	2.26	-13.04	-2.12	0.0	1.12e-04	4.17e-04
5112	204	10.09	10.76	0.23	0.0	3.49e-04	-6.64e-04
5112	235	2.59	-15.28	-2.34	0.0	1.21e-04	5.03e-04
5113	4	0.39	0.54	-1.42	0.0	1.11e-04	-4.48e-05
5113	28	0.38	-1.30	-1.64	0.0	1.10e-04	-4.51e-05
5113	44	0.33	-1.87	-1.54	0.0	9.77e-05	-4.18e-05
5113	68	0.27	0.35	-1.01	0.0	7.92e-05	-3.30e-05
5113	80	0.26	-0.88	-1.15	0.0	7.81e-05	-3.32e-05
5113	88	0.23	-1.26	-1.09	0.0	7.02e-05	-3.10e-05
5113	98	0.21	-0.21	-0.91	0.0	6.75e-05	-3.11e-05
5113	105	0.20	-0.40	-0.89	0.0	6.48e-05	-3.03e-05
5113	107	0.20	-0.19	-0.87	0.0	6.49e-05	-3.04e-05
5113	108	8.27	8.48	-0.03	0.0	2.07e-04	-5.11e-04
5113	139	2.07	-11.91	-1.99	0.0	9.51e-05	3.72e-04
5113	140	9.28	9.57	0.07	0.0	2.25e-04	-5.72e-04
5113	171	2.31	-13.40	-2.13	0.0	9.88e-05	4.24e-04
5113	172	8.91	9.39	0.07	0.0	2.22e-04	-5.60e-04
5113	203	2.31	-13.37	-2.13	0.0	9.81e-05	4.24e-04
5113	204	10.22	10.95	0.23	0.0	2.48e-04	-6.45e-04
5113	235	2.64	-15.67	-2.35	0.0	1.03e-04	5.10e-04
5114	4	0.45	0.53	-1.43	2.77e-04	8.47e-05	-1.41e-05
5114	28	0.45	-1.36	-1.65	3.79e-04	8.34e-05	-1.52e-05
5114	44	0.38	-1.94	-1.55	3.78e-04	7.35e-05	-1.39e-05
5114	68	0.31	0.34	-1.02	2.00e-04	5.99e-05	-1.03e-05
5114	80	0.31	-0.92	-1.16	2.68e-04	5.89e-05	-1.10e-05
5114	88	0.27	-1.31	-1.10	2.67e-04	5.24e-05	-1.02e-05
5114	98	0.25	-0.23	-0.92	2.03e-04	4.98e-05	-9.78e-06
5114	105	0.23	-0.43	-0.90	2.07e-04	4.76e-05	-9.49e-06
5114	107	0.23	-0.21	-0.88	1.96e-04	4.77e-05	-9.51e-06
5114	108	8.35	8.63	-0.04	-2.30e-04	1.80e-04	-4.88e-04
5114	139	2.11	-12.22	-1.99	7.98e-04	7.81e-05	3.82e-04
5114	140	9.36	9.74	0.07	-2.83e-04	1.97e-04	-5.49e-04
5114	171	2.35	-13.74	-2.14	8.75e-04	8.19e-05	4.33e-04
5114	172	8.99	9.55	0.06	-2.78e-04	1.94e-04	-5.38e-04
5114	203	2.36	-13.71	-2.14	8.73e-04	8.12e-05	4.35e-04
5114	204	10.31	11.15	0.22	-3.58e-04	2.18e-04	-6.25e-04
5114	235	2.69	-16.06	-2.36	9.90e-04	8.57e-05	5.20e-04
5115	4	0.29	0.55	-1.59	0.0	1.25e-04	-8.31e-05
5115	28	0.28	-1.24	-1.87	0.0	1.23e-04	-8.24e-05
5115	44	0.24	-1.80	-1.77	0.0	1.11e-04	-7.66e-05
5115	68	0.20	0.36	-1.13	0.0	8.94e-05	-6.13e-05
5115	80	0.19	-0.84	-1.32	0.0	8.83e-05	-6.08e-05
5115	88	0.16	-1.21	-1.25	0.0	7.99e-05	-5.69e-05
5115	98	0.14	-0.19	-1.03	0.0	7.72e-05	-5.74e-05
5115	105	0.13	-0.38	-1.02	0.0	7.43e-05	-5.61e-05
5115	107	0.13	-0.18	-0.99	0.0	7.45e-05	-5.63e-05
5115	108	8.17	8.33	0.13	0.0	2.65e-04	-5.38e-04
5115	139	2.05	-11.61	-2.50	0.0	1.15e-04	3.61e-04
5115	140	9.17	9.40	0.27	0.0	2.89e-04	-5.99e-04
5115	171	2.29	-13.06	-2.70	0.0	1.20e-04	4.14e-04
5115	172	8.77	9.22	0.26	0.0	2.83e-04	-5.84e-04
5115	203	2.30	-13.04	-2.69	0.0	1.20e-04	4.12e-04
5115	204	10.05	10.76	0.47	0.0	3.16e-04	-6.69e-04
5115	235	2.65	-15.28	-2.99	0.0	1.26e-04	4.99e-04
5116	4	0.37	0.54	-1.59	0.0	1.49e-04	-4.12e-05
5116	28	0.36	-1.30	-1.87	0.0	1.47e-04	-4.13e-05
5116	44	0.30	-1.87	-1.77	0.0	1.33e-04	-3.81e-05
5116	68	0.25	0.35	-1.13	0.0	1.07e-04	-3.03e-05
5116	80	0.25	-0.88	-1.32	0.0	1.06e-04	-3.04e-05
5116	88	0.21	-1.26	-1.25	0.0	9.63e-05	-2.82e-05
5116	98	0.19	-0.21	-1.04	0.0	9.39e-05	-2.85e-05
5116	105	0.18	-0.40	-1.02	0.0	9.07e-05	-2.77e-05
5116	107	0.18	-0.19	-0.99	0.0	9.09e-05	-2.78e-05
5116	108	8.26	8.48	0.12	0.0	1.96e-04	-5.08e-04

5116	139	2.10	-11.91	-2.50	0.0	2.23e-05	3.70e-04
5116	140	9.27	9.57	0.26	0.0	2.09e-04	-5.68e-04
5116	171	2.35	-13.40	-2.70	0.0	1.36e-05	4.22e-04
5116	172	8.87	9.39	0.25	0.0	2.09e-04	-5.57e-04
5116	203	2.36	-13.38	-2.69	0.0	1.35e-05	4.23e-04
5116	204	10.16	10.95	0.46	0.0	2.29e-04	-6.43e-04
5116	235	2.71	-15.67	-2.99	0.0	0.0	5.08e-04
5117	4	0.45	0.53	-1.60	2.70e-04	8.47e-05	-1.23e-05
5117	28	0.44	-1.36	-1.88	3.76e-04	8.34e-05	-1.35e-05
5117	44	0.38	-1.94	-1.79	3.77e-04	7.35e-05	-1.23e-05
5117	68	0.31	0.34	-1.14	1.95e-04	5.99e-05	-8.96e-06
5117	80	0.30	-0.92	-1.33	2.66e-04	5.89e-05	-9.74e-06
5117	88	0.26	-1.31	-1.26	2.67e-04	5.24e-05	-8.95e-06
5117	98	0.24	-0.23	-1.04	2.02e-04	4.98e-05	-8.52e-06
5117	105	0.23	-0.43	-1.03	2.06e-04	4.76e-05	-8.26e-06
5117	107	0.23	-0.22	-1.00	1.94e-04	4.77e-05	-8.27e-06
5117	108	8.33	8.63	0.12	-2.50e-04	1.80e-04	-4.87e-04
5117	139	2.16	-12.22	-2.51	8.30e-04	7.81e-05	3.84e-04
5117	140	9.35	9.75	0.26	-3.06e-04	1.97e-04	-5.48e-04
5117	171	2.40	-13.74	-2.70	9.11e-04	8.19e-05	4.34e-04
5117	172	8.95	9.55	0.24	-3.00e-04	1.94e-04	-5.38e-04
5117	203	2.41	-13.71	-2.70	9.09e-04	8.12e-05	4.36e-04
5117	204	10.24	11.15	0.46	-3.83e-04	2.18e-04	-6.24e-04
5117	235	2.76	-16.07	-2.99	1.03e-03	8.57e-05	5.21e-04
5118	4	0.25	0.55	-1.72	0.0	1.83e-04	-7.10e-05
5118	28	0.24	-1.25	-2.06	0.0	1.81e-04	-7.01e-05
5118	44	0.20	-1.80	-1.97	0.0	1.65e-04	-6.46e-05
5118	68	0.17	0.36	-1.22	0.0	1.32e-04	-5.22e-05
5118	80	0.16	-0.84	-1.45	0.0	1.31e-04	-5.16e-05
5118	88	0.13	-1.21	-1.39	0.0	1.20e-04	-4.80e-05
5118	98	0.11	-0.19	-1.14	0.0	1.17e-04	-4.87e-05
5118	105	0.11	-0.38	-1.13	0.0	1.14e-04	-4.74e-05
5118	107	0.11	-0.18	-1.09	0.0	1.14e-04	-4.77e-05
5118	108	8.17	8.33	0.28	0.0	2.17e-04	-5.28e-04
5118	139	2.08	-11.61	-2.98	0.0	5.23e-05	3.65e-04
5118	140	9.18	9.40	0.46	0.0	2.30e-04	-5.89e-04
5118	171	2.33	-13.06	-3.22	0.0	4.44e-05	4.18e-04
5118	172	8.75	9.22	0.44	0.0	2.30e-04	-5.75e-04
5118	203	2.35	-13.04	-3.21	0.0	4.39e-05	4.17e-04
5118	204	10.01	10.76	0.70	0.0	2.50e-04	-6.60e-04
5118	235	2.71	-15.28	-3.58	0.0	3.09e-05	5.03e-04
5119	4	0.35	0.54	-1.73	0.0	1.88e-04	-3.12e-05
5119	28	0.34	-1.30	-2.07	0.0	1.84e-04	-3.12e-05
5119	44	0.29	-1.87	-1.98	0.0	1.68e-04	-2.85e-05
5119	68	0.24	0.35	-1.23	0.0	1.36e-04	-2.29e-05
5119	80	0.23	-0.88	-1.46	0.0	1.34e-04	-2.29e-05
5119	88	0.20	-1.26	-1.40	0.0	1.22e-04	-2.12e-05
5119	98	0.18	-0.21	-1.14	0.0	1.21e-04	-2.16e-05
5119	105	0.17	-0.40	-1.13	0.0	1.17e-04	-2.10e-05
5119	107	0.17	-0.19	-1.09	0.0	1.17e-04	-2.11e-05
5119	108	8.25	8.48	0.28	0.0	2.02e-04	-5.00e-04
5119	139	2.14	-11.92	-2.98	0.0	6.88e-05	3.73e-04
5119	140	9.26	9.57	0.45	0.0	2.12e-04	-5.61e-04
5119	171	2.39	-13.40	-3.22	0.0	6.25e-05	4.24e-04
5119	172	8.84	9.39	0.43	0.0	2.13e-04	-5.50e-04
5119	203	2.41	-13.38	-3.22	0.0	6.11e-05	4.26e-04
5119	204	10.11	10.95	0.69	0.0	2.30e-04	-6.37e-04
5119	235	2.77	-15.67	-3.58	0.0	5.00e-05	5.11e-04
5120	4	0.44	0.53	-1.74	2.60e-04	8.47e-05	-9.48e-06
5120	28	0.43	-1.36	-2.08	3.67e-04	8.34e-05	-1.18e-05
5120	44	0.37	-1.94	-1.99	3.70e-04	7.35e-05	-1.11e-05
5120	68	0.30	0.34	-1.24	1.88e-04	5.99e-05	-6.90e-06
5120	80	0.30	-0.92	-1.47	2.60e-04	5.89e-05	-8.47e-06
5120	88	0.26	-1.31	-1.40	2.62e-04	5.24e-05	-7.97e-06
5120	98	0.24	-0.23	-1.15	1.97e-04	4.98e-05	-7.03e-06
5120	105	0.22	-0.43	-1.14	2.02e-04	4.76e-05	-6.90e-06
5120	107	0.22	-0.22	-1.10	1.90e-04	4.77e-05	-6.80e-06
5120	108	8.33	8.63	0.27	-2.57e-04	1.80e-04	-4.88e-04
5120	139	2.20	-12.22	-2.98	8.33e-04	7.81e-05	3.87e-04
5120	140	9.34	9.75	0.44	-3.14e-04	1.97e-04	-5.49e-04
5120	171	2.45	-13.74	-3.22	9.15e-04	8.19e-05	4.38e-04
5120	172	8.92	9.55	0.43	-3.07e-04	1.94e-04	-5.39e-04
5120	203	2.47	-13.71	-3.22	9.13e-04	8.12e-05	4.40e-04
5120	204	10.19	11.15	0.68	-3.91e-04	2.18e-04	-6.26e-04
5120	235	2.83	-16.07	-3.59	1.04e-03	8.57e-05	5.25e-04

5121	18	-0.03	1.87	-2.08	-2.09e-03	0.0	-5.39e-04
5121	19	-0.02	1.91	-0.90	-2.12e-03	0.0	-5.41e-04
5121	28	-0.01	-0.90	-2.81	7.33e-04	0.0	1.72e-04
5121	72	-0.02	1.26	-1.05	-1.40e-03	0.0	-3.59e-04
5121	75	-0.02	1.24	-1.52	-1.39e-03	0.0	-3.59e-04
5121	80	-9.87e-03	-0.60	-2.00	4.91e-04	0.0	1.15e-04
5121	98	-0.01	-0.04	-1.65	2.94e-05	0.0	4.05e-06
5121	102	-0.01	0.23	-1.21	-2.65e-04	0.0	-6.88e-05
5121	103	-0.01	0.22	-1.55	-2.57e-04	0.0	-6.86e-05
5121	107	-0.01	-0.04	-1.59	2.80e-05	0.0	4.01e-06
5121	114	-2.81	4.57	-0.38	3.49e-04	0.0	2.84e-04
5121	129	-0.73	-6.20	-3.65	1.47e-03	0.0	2.53e-05
5121	146	-3.16	5.15	-0.23	3.90e-04	0.0	3.19e-04
5121	161	-0.82	-6.98	-3.90	1.65e-03	0.0	2.78e-05
5121	178	-2.99	5.08	-0.28	3.65e-04	0.0	3.14e-04
5121	193	-0.83	-6.97	-3.88	1.63e-03	0.0	2.31e-05
5121	210	-3.41	5.94	-0.07	4.12e-04	0.0	3.65e-04
5121	225	-0.97	-8.19	-4.27	1.90e-03	0.0	2.32e-05
5122	28	0.04	-0.51	-2.63	7.06e-04	-2.57e-04	1.43e-05
5122	44	0.05	-0.81	-2.50	6.89e-04	-2.40e-04	2.30e-05
5122	80	0.03	-0.34	-1.87	5.02e-04	-1.89e-04	9.76e-06
5122	88	0.03	-0.54	-1.78	4.90e-04	-1.78e-04	1.56e-05
5122	98	0.02	-0.02	-1.52	3.96e-04	-1.76e-04	1.45e-06
5122	105	0.02	-0.13	-1.51	3.97e-04	-1.72e-04	4.33e-06
5122	107	0.02	-0.02	-1.47	3.82e-04	-1.73e-04	1.49e-06
5122	113	2.63	-4.42	-1.04	8.82e-04	-8.60e-05	-2.79e-04
5122	129	-0.65	-5.52	-3.59	1.16e-03	-1.12e-04	-2.12e-04
5122	145	2.95	-4.98	-0.98	9.45e-04	-7.51e-05	-3.15e-04
5122	161	-0.73	-6.22	-3.86	1.25e-03	-1.05e-04	-2.40e-04
5122	177	2.79	-4.92	-1.01	9.38e-04	-7.73e-05	-3.12e-04
5122	193	-0.74	-6.23	-3.83	1.25e-03	-1.05e-04	-2.43e-04
5122	209	3.18	-5.75	-0.94	1.03e-03	-6.17e-05	-3.66e-04
5122	225	-0.87	-7.32	-4.23	1.40e-03	-9.21e-05	-2.90e-04
5123	18	-0.03	1.52	-1.91	-1.46e-03	-5.88e-06	-5.99e-04
5123	19	-0.02	1.56	-0.80	-1.48e-03	-5.88e-06	-6.01e-04
5123	28	-0.01	-0.79	-2.63	5.34e-04	1.78e-06	1.93e-04
5123	72	-0.02	1.03	-0.95	-9.82e-04	-3.92e-06	-3.99e-04
5123	75	-0.02	1.01	-1.39	-9.71e-04	-3.92e-06	-3.99e-04
5123	80	-8.99e-03	-0.53	-1.87	3.57e-04	1.18e-06	1.29e-04
5123	98	-0.01	-0.04	-1.52	2.49e-05	0.0	5.34e-06
5123	103	-0.01	0.17	-1.43	-1.76e-04	0.0	-7.56e-05
5123	105	-0.01	-0.20	-1.51	1.32e-04	0.0	4.64e-05
5123	107	-0.01	-0.04	-1.47	2.36e-05	0.0	5.26e-06
5123	114	-2.81	4.75	-1.90	3.84e-04	0.0	2.71e-04
5123	129	-0.73	-6.26	-3.59	1.08e-03	4.50e-06	2.98e-05
5123	146	-3.16	5.35	-1.96	4.29e-04	0.0	3.04e-04
5123	161	-0.82	-7.05	-3.86	1.21e-03	5.06e-06	3.25e-05
5123	178	-2.99	5.28	-1.93	4.00e-04	0.0	2.98e-04
5123	193	-0.83	-7.05	-3.83	1.20e-03	5.01e-06	2.67e-05
5123	210	-3.41	6.17	-1.99	4.50e-04	0.0	3.46e-04
5123	225	-0.97	-8.28	-4.23	1.40e-03	5.84e-06	2.67e-05
5124	4	0.11	1.32	-1.94	5.33e-04	0.0	1.17e-03
5124	19	-0.02	2.63	-0.61	8.03e-04	0.0	1.96e-03
5124	28	0.11	-1.59	-2.28	-1.47e-04	0.0	-6.09e-04
5124	68	0.07	0.87	-1.39	3.57e-04	0.0	7.76e-04
5124	72	-0.02	1.71	-0.75	5.44e-04	0.0	1.31e-03
5124	80	0.06	-1.07	-1.62	-9.62e-05	0.0	-4.07e-04
5124	97	-0.03	-0.11	-0.94	2.12e-05	0.0	-8.61e-06
5124	98	0.03	-0.18	-1.29	3.47e-05	0.0	-1.12e-05
5124	105	0.02	-0.45	-1.28	-1.36e-05	0.0	-1.42e-04
5124	106	-0.03	-0.11	-0.94	2.12e-05	0.0	-8.61e-06
5124	107	0.02	-0.17	-1.24	3.28e-05	0.0	-1.09e-05
5124	108	8.08	8.11	0.11	7.53e-05	0.0	-1.50e-04
5124	139	1.99	-11.56	-3.10	3.44e-04	0.0	-4.21e-04
5124	140	9.09	9.15	0.27	8.07e-05	0.0	-1.68e-04
5124	171	2.24	-13.00	-3.33	3.83e-04	0.0	-4.71e-04
5124	172	8.65	8.97	0.26	7.73e-05	0.0	-1.68e-04
5124	203	2.26	-12.97	-3.33	3.81e-04	0.0	-4.53e-04
5124	204	9.92	10.47	0.52	8.36e-05	0.0	-1.96e-04
5124	235	2.63	-15.20	-3.69	4.41e-04	0.0	-5.18e-04
5125	4	-0.10	2.07	-2.64	-1.55e-03	-2.92e-06	-4.74e-04
5125	19	-0.05	3.59	-0.99	-2.66e-03	-5.00e-06	-8.04e-04
5125	28	-0.09	-1.47	-2.98	9.07e-04	1.62e-06	2.59e-04
5125	68	-0.07	1.38	-1.90	-1.03e-03	-1.94e-06	-3.15e-04
5125	72	-0.05	2.38	-1.15	-1.76e-03	-3.31e-06	-5.34e-04

5125	80	-0.06	-0.98	-2.13	6.07e-04	1.09e-06	1.74e-04
5125	98	-0.06	-0.06	-1.76	3.57e-05	0.0	8.47e-06
5125	102	-0.05	0.44	-1.30	-3.33e-04	0.0	-1.01e-04
5125	107	-0.06	-0.06	-1.70	3.41e-05	0.0	8.29e-06
5125	114	-2.98	4.77	-0.54	3.08e-04	-7.01e-06	3.16e-04
5125	129	-0.80	-6.88	-3.69	1.46e-03	-1.44e-06	-2.47e-04
5125	146	-3.35	5.37	-0.40	3.43e-04	-7.89e-06	3.55e-04
5125	161	-0.90	-7.75	-3.94	1.64e-03	-1.63e-06	-2.79e-04
5125	178	-3.17	5.29	-0.43	3.24e-04	-7.36e-06	3.45e-04
5125	193	-0.91	-7.73	-3.92	1.63e-03	-1.62e-06	-2.76e-04
5125	210	-3.62	6.18	-0.23	3.66e-04	-8.34e-06	3.98e-04
5125	225	-1.05	-9.06	-4.29	1.89e-03	-1.90e-06	-3.28e-04
5126	4	-0.11	1.73	-2.46	-1.24e-03	0.0	-5.85e-04
5126	19	-0.06	3.02	-0.90	-2.13e-03	0.0	-9.88e-04
5126	28	-0.09	-1.28	-2.81	7.36e-04	0.0	3.13e-04
5126	68	-0.08	1.15	-1.77	-8.22e-04	0.0	-3.89e-04
5126	72	-0.06	2.00	-1.05	-1.41e-03	0.0	-6.56e-04
5126	80	-0.07	-0.86	-2.00	4.92e-04	0.0	2.10e-04
5126	98	-0.07	-0.06	-1.65	2.94e-05	0.0	7.95e-06
5126	102	-0.05	0.37	-1.21	-2.67e-04	0.0	-1.26e-04
5126	107	-0.06	-0.05	-1.59	2.80e-05	0.0	7.79e-06
5126	114	-3.01	4.96	-0.38	3.49e-04	0.0	2.85e-04
5126	129	-0.81	-6.96	-3.65	1.47e-03	0.0	3.64e-05
5126	146	-3.37	5.59	-0.23	3.90e-04	0.0	3.20e-04
5126	161	-0.91	-7.83	-3.90	1.65e-03	0.0	3.96e-05
5126	178	-3.20	5.51	-0.28	3.66e-04	0.0	3.11e-04
5126	193	-0.92	-7.82	-3.88	1.63e-03	0.0	3.27e-05
5126	210	-3.65	6.43	-0.07	4.12e-04	0.0	3.59e-04
5126	225	-1.06	-9.17	-4.27	1.90e-03	0.0	3.27e-05
5127	4	-0.10	1.32	-2.27	-8.55e-04	-4.03e-06	-6.86e-04
5127	19	-0.06	2.33	-0.79	-1.48e-03	-6.77e-06	-1.15e-03
5127	28	-0.08	-1.07	-2.62	5.35e-04	2.09e-06	3.61e-04
5127	68	-0.07	0.88	-1.63	-5.69e-04	-2.68e-06	-4.56e-04
5127	72	-0.06	1.54	-0.94	-9.83e-04	-4.51e-06	-7.67e-04
5127	80	-0.06	-0.71	-1.87	3.58e-04	1.40e-06	2.41e-04
5127	98	-0.06	-0.05	-1.52	2.51e-05	0.0	6.81e-06
5127	102	-0.05	0.28	-1.10	-1.84e-04	0.0	-1.49e-04
5127	103	-0.06	0.27	-1.43	-1.76e-04	0.0	-1.48e-04
5127	107	-0.06	-0.05	-1.47	2.38e-05	0.0	6.69e-06
5127	114	-3.04	5.13	-1.90	3.85e-04	-4.95e-06	2.54e-04
5127	129	-0.82	-7.00	-3.59	1.08e-03	6.00e-06	5.24e-05
5127	146	-3.41	5.79	-1.95	4.30e-04	-5.57e-06	2.86e-04
5127	161	-0.91	-7.88	-3.85	1.21e-03	6.73e-06	5.75e-05
5127	178	-3.24	5.69	-1.92	4.01e-04	-5.43e-06	2.78e-04
5127	193	-0.92	-7.87	-3.83	1.20e-03	6.52e-06	4.87e-05
5127	210	-3.69	6.65	-1.99	4.51e-04	-6.30e-06	3.21e-04
5127	225	-1.07	-9.24	-4.22	1.40e-03	7.57e-06	5.06e-05
5128	4	0.12	1.96	-2.14	9.59e-04	3.88e-06	9.69e-04
5128	19	-0.02	3.71	-0.72	1.51e-03	6.47e-06	1.64e-03
5128	28	0.12	-1.92	-2.48	-3.60e-04	-1.95e-06	-5.13e-04
5128	68	0.07	1.30	-1.53	6.41e-04	2.58e-06	6.45e-04
5128	72	-0.02	2.43	-0.87	1.02e-03	4.31e-06	1.09e-03
5128	80	0.07	-1.29	-1.76	-2.39e-04	-1.30e-06	-3.43e-04
5128	98	0.03	-0.19	-1.42	3.45e-05	0.0	-1.22e-05
5128	105	0.02	-0.53	-1.41	-6.13e-05	0.0	-1.22e-04
5128	106	-0.02	-0.12	-1.06	2.11e-05	0.0	-9.16e-06
5128	107	0.02	-0.18	-1.37	3.26e-05	0.0	-1.17e-05
5128	108	8.08	8.01	-0.05	1.32e-05	7.30e-06	-2.28e-04
5128	135	1.43	-11.69	-3.21	9.69e-05	-1.21e-05	-3.03e-04
5128	139	2.00	-11.75	-3.21	1.19e-04	-1.20e-05	-2.90e-04
5128	140	9.09	9.04	0.11	1.07e-05	8.21e-06	-2.55e-04
5128	167	1.60	-13.14	-3.44	1.05e-04	-1.36e-05	-3.39e-04
5128	171	2.25	-13.21	-3.44	1.30e-04	-1.35e-05	-3.23e-04
5128	172	8.66	8.86	0.10	9.82e-06	7.92e-06	-2.52e-04
5128	203	2.27	-13.17	-3.44	1.29e-04	-1.33e-05	-3.07e-04
5128	204	9.92	10.34	0.35	5.65e-06	9.15e-06	-2.94e-04
5128	235	2.63	-15.43	-3.80	1.46e-04	-1.55e-05	-3.47e-04
5129	4	0.25	1.06	-1.94	5.30e-04	0.0	8.04e-04
5129	28	0.24	-1.52	-2.28	-1.45e-04	0.0	-4.31e-04
5129	44	0.20	-2.25	-2.18	-2.92e-04	0.0	-7.04e-04
5129	68	0.17	0.70	-1.39	3.55e-04	0.0	5.35e-04
5129	80	0.16	-1.02	-1.62	-9.51e-05	0.0	-2.89e-04
5129	88	0.13	-1.51	-1.55	-1.93e-04	0.0	-4.70e-04
5129	98	0.12	-0.20	-1.29	3.50e-05	0.0	-1.25e-05
5129	105	0.11	-0.44	-1.28	-1.31e-05	0.0	-1.04e-04

5129	107	0.11	-0.19	-1.24	3.30e-05	0.0	-1.20e-05
5129	108	8.17	8.18	0.11	7.44e-05	0.0	-2.62e-04
5129	139	2.08	-11.73	-3.10	3.41e-04	0.0	-2.37e-04
5129	140	9.18	9.23	0.27	7.97e-05	0.0	-2.94e-04
5129	171	2.33	-13.19	-3.34	3.80e-04	0.0	-2.64e-04
5129	172	8.75	9.05	0.26	7.64e-05	0.0	-2.90e-04
5129	203	2.35	-13.16	-3.33	3.77e-04	0.0	-2.49e-04
5129	204	10.01	10.57	0.52	8.24e-05	0.0	-3.37e-04
5129	235	2.71	-15.42	-3.70	4.36e-04	0.0	-2.79e-04
5130	4	0.35	0.80	-1.94	5.40e-04	0.0	4.10e-04
5130	28	0.34	-1.45	-2.29	-1.49e-04	0.0	-2.34e-04
5130	44	0.29	-2.10	-2.18	-2.99e-04	0.0	-3.75e-04
5130	68	0.24	0.52	-1.39	3.62e-04	0.0	2.72e-04
5130	80	0.23	-0.97	-1.62	-9.74e-05	0.0	-1.57e-04
5130	88	0.20	-1.41	-1.55	-1.98e-04	0.0	-2.51e-04
5130	98	0.18	-0.21	-1.29	3.56e-05	0.0	-1.25e-05
5130	105	0.17	-0.44	-1.28	-1.36e-05	0.0	-5.98e-05
5130	107	0.17	-0.20	-1.24	3.36e-05	0.0	-1.21e-05
5130	108	8.25	8.26	0.11	7.20e-05	0.0	-3.81e-04
5130	139	2.14	-11.89	-3.10	3.32e-04	0.0	-7.77e-05
5130	140	9.26	9.32	0.27	7.69e-05	0.0	-4.27e-04
5130	171	2.39	-13.37	-3.34	3.69e-04	0.0	-8.51e-05
5130	172	8.84	9.13	0.26	7.37e-05	0.0	-4.20e-04
5130	203	2.41	-13.34	-3.33	3.67e-04	0.0	-7.45e-05
5130	204	10.11	10.66	0.52	7.93e-05	0.0	-4.87e-04
5130	235	2.78	-15.63	-3.70	4.24e-04	0.0	-7.79e-05
5131	4	0.44	0.52	-1.94	2.74e-04	3.50e-04	-9.65e-06
5131	28	0.43	-1.37	-2.29	3.81e-04	3.49e-04	-1.40e-05
5131	44	0.37	-1.95	-2.18	3.82e-04	3.26e-04	-1.37e-05
5131	68	0.30	0.34	-1.39	1.99e-04	2.57e-04	-7.11e-06
5131	80	0.30	-0.92	-1.62	2.70e-04	2.57e-04	-1.00e-05
5131	88	0.26	-1.31	-1.55	2.71e-04	2.42e-04	-9.82e-06
5131	98	0.24	-0.23	-1.29	2.07e-04	2.39e-04	-7.97e-06
5131	105	0.22	-0.43	-1.28	2.11e-04	2.34e-04	-8.00e-06
5131	107	0.22	-0.22	-1.24	1.99e-04	2.34e-04	-7.72e-06
5131	108	8.33	8.33	0.11	-2.35e-04	1.22e-04	-4.91e-04
5131	139	2.20	-12.06	-3.10	8.37e-04	1.66e-04	3.88e-04
5131	140	9.34	9.40	0.27	-2.90e-04	1.08e-04	-5.52e-04
5131	171	2.45	-13.56	-3.34	9.17e-04	1.57e-04	4.39e-04
5131	172	8.92	9.21	0.26	-2.84e-04	1.15e-04	-5.42e-04
5131	203	2.47	-13.52	-3.33	9.15e-04	1.61e-04	4.41e-04
5131	204	10.19	10.75	0.52	-3.65e-04	9.80e-05	-6.30e-04
5131	235	2.83	-15.84	-3.70	1.04e-03	1.50e-04	5.26e-04
5132	4	0.25	1.49	-2.14	9.56e-04	5.25e-06	6.70e-04
5132	19	0.05	2.96	-0.72	1.51e-03	8.75e-06	1.14e-03
5132	28	0.24	-1.75	-2.48	-3.59e-04	-2.63e-06	-3.64e-04
5132	68	0.17	0.98	-1.53	6.39e-04	3.50e-06	4.45e-04
5132	72	0.06	1.93	-0.87	1.01e-03	5.83e-06	7.56e-04
5132	80	0.16	-1.17	-1.76	-2.38e-04	-1.76e-06	-2.43e-04
5132	98	0.12	-0.20	-1.42	3.44e-05	0.0	-1.22e-05
5132	105	0.11	-0.50	-1.41	-6.10e-05	0.0	-8.83e-05
5132	107	0.11	-0.19	-1.37	3.25e-05	0.0	-1.18e-05
5132	108	8.17	8.02	-0.05	1.28e-05	7.47e-06	-3.12e-04
5132	135	1.51	-11.74	-3.21	9.39e-05	-1.23e-05	-1.73e-04
5132	139	2.08	-11.81	-3.21	1.15e-04	-1.23e-05	-1.61e-04
5132	140	9.18	9.05	0.11	1.03e-05	8.40e-06	-3.50e-04
5132	167	1.68	-13.19	-3.44	1.02e-04	-1.39e-05	-1.92e-04
5132	171	2.33	-13.27	-3.44	1.26e-04	-1.38e-05	-1.78e-04
5132	172	8.75	8.87	0.10	9.37e-06	8.10e-06	-3.44e-04
5132	203	2.35	-13.24	-3.44	1.25e-04	-1.36e-05	-1.65e-04
5132	204	10.01	10.35	0.35	5.17e-06	9.36e-06	-4.00e-04
5132	235	2.71	-15.50	-3.80	1.41e-04	-1.59e-05	-1.82e-04
5133	4	0.35	1.01	-2.14	9.66e-04	5.03e-06	3.40e-04
5133	28	0.34	-1.57	-2.48	-3.65e-04	-2.51e-06	-1.98e-04
5133	44	0.29	-2.30	-2.36	-6.58e-04	-4.19e-06	-3.15e-04
5133	68	0.24	0.66	-1.53	6.46e-04	3.35e-06	2.25e-04
5133	80	0.23	-1.06	-1.76	-2.42e-04	-1.67e-06	-1.33e-04
5133	88	0.20	-1.54	-1.68	-4.37e-04	-2.79e-06	-2.11e-04
5133	98	0.18	-0.22	-1.42	3.42e-05	0.0	-1.19e-05
5133	105	0.17	-0.47	-1.41	-6.25e-05	0.0	-5.13e-05
5133	107	0.17	-0.21	-1.37	3.22e-05	0.0	-1.15e-05
5133	108	8.25	8.02	-0.05	1.23e-05	8.52e-06	-4.04e-04
5133	135	1.57	-11.79	-3.21	8.44e-05	-1.40e-05	-6.79e-05
5133	139	2.14	-11.86	-3.21	1.05e-04	-1.39e-05	-5.82e-05
5133	140	9.26	9.05	0.11	9.76e-06	9.58e-06	-4.54e-04

5133	167	1.74	-13.25	-3.44	9.09e-05	-1.58e-05	-7.49e-05
5133	171	2.39	-13.33	-3.44	1.14e-04	-1.57e-05	-6.34e-05
5133	172	8.83	8.87	0.10	8.92e-06	9.26e-06	-4.46e-04
5133	203	2.41	-13.29	-3.44	1.13e-04	-1.55e-05	-5.43e-05
5133	204	10.11	10.36	0.35	4.82e-06	1.07e-05	-5.17e-04
5133	235	2.78	-15.56	-3.80	1.26e-04	-1.81e-05	-5.53e-05
5134	4	0.44	0.52	-2.14	2.88e-04	3.33e-04	1.71e-06
5134	28	0.43	-1.38	-2.48	3.95e-04	3.32e-04	-2.56e-05
5134	44	0.37	-1.96	-2.36	3.94e-04	3.09e-04	-3.00e-05
5134	68	0.30	0.33	-1.53	2.09e-04	2.44e-04	0.0
5134	80	0.30	-0.93	-1.76	2.80e-04	2.44e-04	-1.79e-05
5134	88	0.26	-1.32	-1.68	2.80e-04	2.29e-04	-2.09e-05
5134	98	0.24	-0.24	-1.43	2.16e-04	2.26e-04	-1.04e-05
5134	105	0.22	-0.44	-1.41	2.20e-04	2.20e-04	-1.21e-05
5134	107	0.22	-0.22	-1.37	2.08e-04	2.21e-04	-1.01e-05
5134	108	8.33	8.02	-0.05	-2.13e-04	1.09e-04	-4.84e-04
5134	135	1.63	-11.82	-3.21	8.38e-04	2.07e-04	3.65e-04
5134	139	2.20	-11.90	-3.21	8.40e-04	1.52e-04	3.74e-04
5134	140	9.34	9.05	0.11	-2.66e-04	9.56e-05	-5.43e-04
5134	167	1.80	-13.28	-3.44	9.18e-04	2.06e-04	4.13e-04
5134	171	2.45	-13.38	-3.44	9.20e-04	1.43e-04	4.23e-04
5134	172	8.92	8.87	0.10	-2.61e-04	1.03e-04	-5.33e-04
5134	203	2.47	-13.34	-3.44	9.17e-04	1.47e-04	4.25e-04
5134	204	10.19	10.36	0.35	-3.39e-04	8.57e-05	-6.19e-04
5134	235	2.83	-15.61	-3.80	1.04e-03	1.35e-04	5.07e-04
5135	4	0.33	1.64	-2.79	-1.73e-03	0.0	-1.17e-04
5135	19	0.13	3.07	-1.06	-2.99e-03	0.0	-1.92e-04
5135	28	0.32	-1.61	-3.14	1.02e-03	0.0	5.45e-05
5135	68	0.23	1.09	-2.01	-1.15e-03	0.0	-7.79e-05
5135	72	0.13	2.01	-1.21	-1.98e-03	0.0	-1.28e-04
5135	80	0.22	-1.08	-2.24	6.82e-04	0.0	3.63e-05
5135	98	0.18	-0.15	-1.85	4.94e-05	0.0	-1.32e-06
5135	105	0.18	-0.44	-1.83	2.54e-04	0.0	1.14e-05
5135	107	0.18	-0.14	-1.79	4.70e-05	0.0	-1.27e-06
5135	108	6.78	6.16	-0.54	2.36e-04	0.0	-4.71e-04
5135	127	-4.45	-8.62	-3.68	7.13e-04	0.0	-4.06e-05
5135	139	1.78	-9.84	-3.51	1.25e-03	0.0	3.95e-04
5135	140	7.60	6.95	-0.38	2.60e-04	0.0	-5.31e-04
5135	159	-5.02	-9.68	-3.91	7.95e-04	0.0	-4.60e-05
5135	171	1.99	-11.07	-3.73	1.40e-03	0.0	4.46e-04
5135	172	7.26	6.82	-0.39	2.49e-04	0.0	-5.22e-04
5135	191	-4.81	-9.47	-3.88	7.77e-04	0.0	-4.77e-05
5135	203	2.00	-11.02	-3.72	1.39e-03	0.0	4.49e-04
5135	204	8.30	7.97	-0.15	2.80e-04	0.0	-6.08e-04
5135	223	-5.56	-10.95	-4.22	8.92e-04	0.0	-5.86e-05
5135	235	2.30	-12.89	-4.05	1.61e-03	0.0	5.35e-04
5136	4	0.32	1.61	-2.82	-1.70e-03	0.0	-1.10e-04
5136	19	0.13	3.02	-1.07	-2.94e-03	0.0	-1.81e-04
5136	28	0.31	-1.59	-3.16	1.00e-03	0.0	5.12e-05
5136	68	0.23	1.06	-2.02	-1.13e-03	0.0	-7.36e-05
5136	72	0.13	1.98	-1.22	-1.95e-03	0.0	-1.21e-04
5136	80	0.22	-1.07	-2.25	6.69e-04	0.0	3.41e-05
5136	98	0.18	-0.15	-1.87	4.81e-05	0.0	-1.32e-06
5136	105	0.17	-0.44	-1.84	2.49e-04	0.0	1.06e-05
5136	107	0.17	-0.14	-1.80	4.58e-05	0.0	-1.26e-06
5136	108	6.78	6.00	-0.63	2.13e-04	0.0	-4.71e-04
5136	127	-4.45	-8.58	-3.62	7.03e-04	0.0	-4.05e-05
5136	139	1.78	-9.75	-3.55	1.21e-03	0.0	3.95e-04
5136	140	7.60	6.77	-0.49	2.34e-04	0.0	-5.31e-04
5136	159	-5.02	-9.63	-3.85	7.84e-04	0.0	-4.60e-05
5136	171	1.99	-10.97	-3.77	1.35e-03	0.0	4.47e-04
5136	172	7.25	6.65	-0.49	2.24e-04	0.0	-5.22e-04
5136	191	-4.81	-9.42	-3.81	7.67e-04	0.0	-4.76e-05
5136	203	2.00	-10.92	-3.76	1.34e-03	0.0	4.49e-04
5136	204	8.29	7.76	-0.27	2.51e-04	0.0	-6.08e-04
5136	227	-4.89	-11.05	-4.14	1.18e-03	0.0	-3.89e-05
5136	235	2.30	-12.76	-4.09	1.55e-03	0.0	5.35e-04
5137	4	0.29	2.52	-2.80	-1.21e-03	0.0	-2.45e-04
5137	19	0.10	4.60	-1.06	-2.12e-03	0.0	-4.04e-04
5137	28	0.28	-2.13	-3.14	7.49e-04	0.0	1.18e-04
5137	68	0.20	1.67	-2.02	-8.03e-04	0.0	-1.64e-04
5137	72	0.10	3.02	-1.22	-1.40e-03	0.0	-2.70e-04
5137	80	0.19	-1.43	-2.24	5.02e-04	0.0	7.83e-05
5137	98	0.16	-0.17	-1.86	4.51e-05	0.0	-1.69e-06
5137	105	0.15	-0.57	-1.83	1.92e-04	0.0	2.52e-05

5137	107	0.15	-0.16	-1.80	4.29e-05	0.0	-1.61e-06
5137	108	7.25	6.47	-0.54	2.00e-04	0.0	-5.31e-04
5137	127	-4.84	-9.12	-3.69	6.26e-04	0.0	-3.52e-05
5137	139	1.88	-10.48	-3.51	1.08e-03	0.0	4.86e-04
5137	140	8.14	7.30	-0.38	2.20e-04	0.0	-5.97e-04
5137	159	-5.46	-10.23	-3.92	6.98e-04	0.0	-3.97e-05
5137	171	2.10	-11.79	-3.73	1.21e-03	0.0	5.48e-04
5137	172	7.76	7.17	-0.39	2.11e-04	0.0	-5.87e-04
5137	191	-5.23	-10.00	-3.89	6.83e-04	0.0	-3.93e-05
5137	203	2.12	-11.73	-3.72	1.20e-03	0.0	5.51e-04
5137	204	8.88	8.37	-0.15	2.36e-04	0.0	-6.84e-04
5137	223	-6.03	-11.57	-4.23	7.84e-04	0.0	-4.79e-05
5137	235	2.44	-13.72	-4.05	1.39e-03	0.0	6.54e-04
5138	4	0.29	2.45	-2.81	-1.16e-03	0.0	-2.37e-04
5138	19	0.10	4.48	-1.06	-2.04e-03	0.0	-3.91e-04
5138	28	0.28	-2.09	-3.16	7.27e-04	0.0	1.14e-04
5138	68	0.20	1.62	-2.02	-7.73e-04	0.0	-1.58e-04
5138	72	0.10	2.94	-1.22	-1.35e-03	0.0	-2.61e-04
5138	80	0.19	-1.40	-2.25	4.87e-04	0.0	7.56e-05
5138	98	0.16	-0.17	-1.86	4.52e-05	0.0	-1.69e-06
5138	105	0.15	-0.56	-1.84	1.87e-04	0.0	2.43e-05
5138	107	0.15	-0.16	-1.80	4.30e-05	0.0	-1.61e-06
5138	108	7.25	6.29	-0.63	1.77e-04	0.0	-5.30e-04
5138	127	-4.84	-9.05	-3.62	6.18e-04	0.0	-3.52e-05
5138	139	1.88	-10.36	-3.55	1.04e-03	0.0	4.85e-04
5138	140	8.14	7.10	-0.49	1.94e-04	0.0	-5.97e-04
5138	159	-5.46	-10.16	-3.85	6.89e-04	0.0	-3.97e-05
5138	171	2.10	-11.65	-3.77	1.16e-03	0.0	5.48e-04
5138	172	7.76	6.97	-0.49	1.85e-04	0.0	-5.87e-04
5138	191	-5.23	-9.94	-3.81	6.74e-04	0.0	-3.93e-05
5138	203	2.12	-11.59	-3.76	1.15e-03	0.0	5.50e-04
5138	204	8.88	8.14	-0.27	2.06e-04	0.0	-6.83e-04
5138	227	-5.32	-11.64	-4.14	1.03e-03	0.0	-2.93e-05
5138	235	2.44	-13.55	-4.09	1.33e-03	0.0	6.53e-04
5139	4	0.24	3.02	-2.80	-4.04e-04	0.0	-3.66e-04
5139	19	0.07	5.47	-1.06	-7.72e-04	0.0	-6.03e-04
5139	28	0.24	-2.45	-3.14	3.40e-04	0.0	1.74e-04
5139	68	0.17	2.00	-2.02	-2.67e-04	0.0	-2.44e-04
5139	72	0.07	3.60	-1.22	-5.04e-04	0.0	-4.03e-04
5139	80	0.16	-1.64	-2.24	2.29e-04	0.0	1.16e-04
5139	98	0.12	-0.19	-1.86	4.21e-05	0.0	-3.25e-06
5139	105	0.11	-0.65	-1.83	9.89e-05	0.0	3.69e-05
5139	107	0.11	-0.18	-1.79	4.01e-05	0.0	-3.10e-06
5139	108	7.70	6.72	-0.55	1.39e-04	0.0	-5.84e-04
5139	127	-5.22	-9.52	-3.68	4.90e-04	0.0	-3.76e-05
5139	139	1.97	-11.00	-3.51	8.00e-04	0.0	5.73e-04
5139	140	8.65	7.58	-0.39	1.52e-04	0.0	-6.57e-04
5139	159	-5.89	-10.68	-3.91	5.45e-04	0.0	-4.21e-05
5139	171	2.21	-12.36	-3.73	8.96e-04	0.0	6.47e-04
5139	172	8.25	7.44	-0.40	1.45e-04	0.0	-6.45e-04
5139	191	-5.64	-10.44	-3.88	5.34e-04	0.0	-3.96e-05
5139	203	2.23	-12.30	-3.72	8.85e-04	0.0	6.48e-04
5139	204	9.44	8.68	-0.16	1.60e-04	0.0	-7.51e-04
5139	223	-6.50	-12.07	-4.22	6.12e-04	0.0	-4.71e-05
5139	235	2.57	-14.38	-4.05	1.03e-03	0.0	7.68e-04
5140	4	0.25	2.91	-2.82	-3.68e-04	0.0	-3.55e-04
5140	19	0.07	5.29	-1.06	-7.13e-04	0.0	-5.85e-04
5140	28	0.24	-2.40	-3.16	3.23e-04	0.0	1.69e-04
5140	68	0.17	1.93	-2.02	-2.43e-04	0.0	-2.37e-04
5140	72	0.07	3.48	-1.22	-4.65e-04	0.0	-3.91e-04
5140	80	0.16	-1.61	-2.25	2.18e-04	0.0	1.12e-04
5140	98	0.12	-0.19	-1.87	4.29e-05	0.0	-3.25e-06
5140	105	0.12	-0.64	-1.84	9.57e-05	0.0	3.57e-05
5140	107	0.12	-0.18	-1.80	4.08e-05	0.0	-3.10e-06
5140	108	7.71	6.52	-0.63	1.20e-04	0.0	-5.84e-04
5140	127	-5.22	-9.45	-3.62	4.81e-04	0.0	-3.78e-05
5140	139	1.97	-10.85	-3.55	7.58e-04	0.0	5.76e-04
5140	140	8.65	7.36	-0.48	1.30e-04	0.0	-6.58e-04
5140	159	-5.88	-10.60	-3.85	5.35e-04	0.0	-4.23e-05
5140	171	2.21	-12.19	-3.77	8.47e-04	0.0	6.50e-04
5140	172	8.25	7.22	-0.49	1.24e-04	0.0	-6.46e-04
5140	191	-5.64	-10.36	-3.81	5.24e-04	0.0	-3.97e-05
5140	203	2.23	-12.13	-3.76	8.37e-04	0.0	6.51e-04
5140	204	9.44	8.43	-0.27	1.36e-04	0.0	-7.52e-04
5140	227	-5.74	-12.14	-4.14	7.80e-04	0.0	-2.93e-05

5140	235	2.57	-14.17	-4.09	9.71e-04	0.0	7.71e-04
5141	4	0.21	3.04	-2.79	5.66e-04	0.0	-4.90e-04
5141	19	0.04	5.56	-1.06	8.48e-04	0.0	-8.06e-04
5141	28	0.20	-2.53	-3.13	-1.50e-04	0.0	2.31e-04
5141	68	0.14	2.01	-2.01	3.79e-04	0.0	-3.27e-04
5141	72	0.04	3.65	-1.21	5.75e-04	0.0	-5.38e-04
5141	80	0.13	-1.70	-2.23	-9.80e-05	0.0	1.54e-04
5141	98	0.09	-0.21	-1.85	4.00e-05	0.0	-5.48e-06
5141	105	0.08	-0.68	-1.82	-1.12e-05	0.0	4.82e-05
5141	107	0.08	-0.20	-1.79	3.80e-05	0.0	-5.25e-06
5141	108	8.10	6.87	-0.56	5.01e-05	0.0	-7.73e-04
5141	127	-5.57	-9.80	-3.65	3.05e-04	0.0	4.51e-04
5141	139	2.05	-11.35	-3.51	4.01e-04	0.0	6.45e-04
5141	140	9.10	7.76	-0.41	5.18e-05	0.0	-8.70e-04
5141	159	-6.27	-11.00	-3.88	3.38e-04	0.0	5.08e-04
5141	171	2.30	-12.75	-3.73	4.46e-04	0.0	7.28e-04
5141	172	8.67	7.61	-0.41	4.91e-05	0.0	-8.52e-04
5141	191	-6.00	-10.75	-3.85	3.32e-04	0.0	4.94e-04
5141	203	2.32	-12.69	-3.72	4.42e-04	0.0	7.28e-04
5141	204	9.93	8.88	-0.18	4.99e-05	0.0	-9.91e-04
5141	223	-6.92	-12.43	-4.18	3.78e-04	0.0	5.77e-04
5141	235	2.68	-14.83	-4.06	5.10e-04	0.0	8.62e-04
5142	4	0.22	2.87	-2.82	5.58e-04	0.0	-4.31e-04
5142	19	0.04	5.28	-1.06	8.33e-04	0.0	-7.06e-04
5142	28	0.21	-2.45	-3.16	-1.44e-04	0.0	2.01e-04
5142	68	0.15	1.90	-2.02	3.74e-04	0.0	-2.88e-04
5142	72	0.05	3.46	-1.22	5.66e-04	0.0	-4.72e-04
5142	80	0.14	-1.64	-2.25	-9.36e-05	0.0	1.34e-04
5142	98	0.10	-0.21	-1.87	4.12e-05	0.0	-5.53e-06
5142	105	0.09	-0.66	-1.84	-9.09e-06	0.0	4.15e-05
5142	107	0.09	-0.20	-1.80	3.91e-05	0.0	-5.30e-06
5142	108	8.11	6.65	-0.63	4.85e-05	0.0	-6.20e-04
5142	127	-5.56	-9.71	-3.62	3.11e-04	0.0	-4.32e-05
5142	139	2.06	-11.16	-3.54	4.07e-04	0.0	6.32e-04
5142	140	9.11	7.51	-0.48	4.98e-05	0.0	-6.98e-04
5142	159	-6.25	-10.89	-3.85	3.45e-04	0.0	-4.79e-05
5142	171	2.31	-12.54	-3.76	4.53e-04	0.0	7.13e-04
5142	172	8.68	7.36	-0.49	4.73e-05	0.0	-6.85e-04
5142	191	-5.99	-10.65	-3.81	3.39e-04	0.0	-4.40e-05
5142	203	2.33	-12.47	-3.75	4.49e-04	0.0	7.13e-04
5142	204	9.93	8.60	-0.27	4.77e-05	0.0	-7.96e-04
5142	227	-6.10	-12.47	-4.14	4.69e-04	0.0	-3.36e-05
5142	235	2.69	-14.57	-4.09	5.17e-04	0.0	8.45e-04
5143	4	0.32	1.58	-2.83	-1.64e-03	0.0	-1.04e-04
5143	19	0.13	2.97	-1.07	-2.85e-03	0.0	-1.70e-04
5143	28	0.31	-1.58	-3.17	9.72e-04	0.0	4.79e-05
5143	68	0.23	1.04	-2.04	-1.09e-03	0.0	-6.92e-05
5143	72	0.13	1.94	-1.22	-1.88e-03	0.0	-1.13e-04
5143	80	0.22	-1.06	-2.26	6.51e-04	0.0	3.19e-05
5143	98	0.18	-0.15	-1.87	4.79e-05	0.0	-1.33e-06
5143	105	0.17	-0.43	-1.85	2.43e-04	0.0	9.91e-06
5143	107	0.17	-0.14	-1.81	4.55e-05	0.0	-1.27e-06
5143	108	6.78	5.84	-0.71	1.89e-04	0.0	-4.72e-04
5143	135	1.31	-9.62	-3.59	9.38e-04	0.0	3.90e-04
5143	139	1.78	-9.66	-3.58	1.16e-03	0.0	3.96e-04
5143	140	7.60	6.59	-0.57	2.08e-04	0.0	-5.31e-04
5143	167	1.44	-10.81	-3.81	1.05e-03	0.0	4.40e-04
5143	171	1.99	-10.86	-3.81	1.30e-03	0.0	4.47e-04
5143	172	7.25	6.48	-0.58	1.98e-04	0.0	-5.22e-04
5143	203	2.00	-10.81	-3.80	1.28e-03	0.0	4.50e-04
5143	204	8.29	7.56	-0.38	2.21e-04	0.0	-6.08e-04
5143	235	2.29	-12.64	-4.14	1.49e-03	0.0	5.35e-04
5144	4	0.29	2.38	-2.82	-1.12e-03	0.0	-2.29e-04
5144	19	0.10	4.36	-1.06	-1.97e-03	0.0	-3.78e-04
5144	28	0.28	-2.06	-3.17	7.04e-04	0.0	1.10e-04
5144	68	0.20	1.58	-2.03	-7.41e-04	0.0	-1.53e-04
5144	72	0.10	2.86	-1.22	-1.30e-03	0.0	-2.52e-04
5144	80	0.19	-1.38	-2.26	4.72e-04	0.0	7.29e-05
5144	98	0.16	-0.17	-1.87	4.56e-05	0.0	-1.70e-06
5144	105	0.15	-0.55	-1.84	1.82e-04	0.0	2.34e-05
5144	107	0.15	-0.16	-1.80	4.34e-05	0.0	-1.61e-06
5144	108	7.25	6.11	-0.71	1.53e-04	0.0	-5.30e-04
5144	135	1.37	-10.20	-3.59	8.03e-04	0.0	4.81e-04
5144	139	1.88	-10.23	-3.58	9.88e-04	0.0	4.85e-04
5144	140	8.14	6.90	-0.57	1.68e-04	0.0	-5.97e-04

5144	167	1.52	-11.46	-3.81	8.98e-04	0.0	5.42e-04
5144	171	2.10	-11.51	-3.81	1.11e-03	0.0	5.48e-04
5144	172	7.76	6.77	-0.58	1.60e-04	0.0	-5.87e-04
5144	203	2.12	-11.45	-3.80	1.09e-03	0.0	5.50e-04
5144	204	8.88	7.90	-0.37	1.77e-04	0.0	-6.83e-04
5144	235	2.44	-13.38	-4.14	1.27e-03	0.0	6.53e-04
5145	4	0.25	2.80	-2.83	-3.37e-04	0.0	-3.45e-04
5145	19	0.07	5.12	-1.06	-6.64e-04	0.0	-5.67e-04
5145	28	0.24	-2.35	-3.17	3.10e-04	0.0	1.63e-04
5145	68	0.17	1.86	-2.03	-2.23e-04	0.0	-2.30e-04
5145	72	0.07	3.37	-1.22	-4.32e-04	0.0	-3.79e-04
5145	80	0.16	-1.57	-2.26	2.09e-04	0.0	1.09e-04
5145	98	0.12	-0.19	-1.87	4.37e-05	0.0	-3.26e-06
5145	105	0.12	-0.63	-1.84	9.33e-05	0.0	3.45e-05
5145	107	0.12	-0.18	-1.80	4.15e-05	0.0	-3.10e-06
5145	108	7.71	6.31	-0.70	1.04e-04	0.0	-5.85e-04
5145	135	1.44	-10.65	-3.58	6.01e-04	0.0	5.75e-04
5145	139	1.97	-10.69	-3.58	7.31e-04	0.0	5.78e-04
5145	140	8.65	7.13	-0.56	1.12e-04	0.0	-6.59e-04
5145	167	1.60	-11.97	-3.80	6.71e-04	0.0	6.48e-04
5145	171	2.21	-12.02	-3.80	8.17e-04	0.0	6.52e-04
5145	172	8.25	6.99	-0.57	1.06e-04	0.0	-6.47e-04
5145	203	2.23	-11.95	-3.79	8.07e-04	0.0	6.53e-04
5145	204	9.44	8.17	-0.36	1.16e-04	0.0	-7.53e-04
5145	235	2.57	-13.96	-4.13	9.35e-04	0.0	7.74e-04
5146	4	0.23	2.77	-2.84	5.57e-04	0.0	-3.77e-04
5146	19	0.05	5.12	-1.07	8.29e-04	0.0	-6.16e-04
5146	28	0.22	-2.40	-3.18	-1.41e-04	0.0	1.74e-04
5146	68	0.15	1.84	-2.04	3.74e-04	0.0	-2.52e-04
5146	72	0.05	3.36	-1.23	5.63e-04	0.0	-4.12e-04
5146	80	0.15	-1.62	-2.27	-9.14e-05	0.0	1.16e-04
5146	98	0.11	-0.22	-1.88	4.23e-05	0.0	-5.55e-06
5146	105	0.10	-0.66	-1.85	-7.69e-06	0.0	3.55e-05
5146	107	0.10	-0.21	-1.81	4.02e-05	0.0	-5.31e-06
5146	108	8.11	6.44	-0.69	4.60e-05	0.0	-6.15e-04
5146	127	-5.55	-9.63	-3.60	3.15e-04	0.0	-4.17e-05
5146	139	2.06	-11.00	-3.57	4.08e-04	0.0	6.19e-04
5146	140	9.12	7.27	-0.55	4.69e-05	0.0	-6.92e-04
5146	159	-6.25	-10.81	-3.82	3.50e-04	0.0	-4.63e-05
5146	171	2.32	-12.36	-3.79	4.54e-04	0.0	6.98e-04
5146	172	8.69	7.13	-0.56	4.46e-05	0.0	-6.80e-04
5146	195	-5.29	-10.66	-3.78	4.12e-04	0.0	-3.38e-05
5146	203	2.34	-12.29	-3.78	4.50e-04	0.0	6.98e-04
5146	204	9.94	8.33	-0.34	4.44e-05	0.0	-7.90e-04
5146	235	2.70	-14.36	-4.12	5.19e-04	0.0	8.28e-04
5147	4	0.28	2.40	-2.78	1.36e-03	0.0	-3.27e-04
5147	19	0.07	4.55	-1.05	2.17e-03	0.0	-5.28e-04
5147	28	0.27	-2.27	-3.13	-5.48e-04	0.0	1.42e-04
5147	68	0.19	1.59	-2.00	9.05e-04	0.0	-2.19e-04
5147	72	0.07	2.97	-1.21	1.45e-03	0.0	-3.54e-04
5147	80	0.18	-1.53	-2.23	-3.63e-04	0.0	9.39e-05
5147	98	0.13	-0.23	-1.85	3.89e-05	0.0	-8.83e-06
5147	105	0.12	-0.64	-1.82	-1.00e-04	0.0	2.62e-05
5147	107	0.12	-0.22	-1.78	3.69e-05	0.0	-8.51e-06
5147	108	8.18	6.87	-0.57	4.19e-05	0.0	-5.96e-04
5147	127	-5.55	-9.89	-3.64	1.31e-04	0.0	-4.49e-05
5147	139	2.10	-11.41	-3.52	8.71e-05	0.0	5.64e-04
5147	140	9.19	7.76	-0.41	4.25e-05	0.0	-6.70e-04
5147	159	-6.25	-11.09	-3.87	1.43e-04	0.0	-4.96e-05
5147	171	2.35	-12.82	-3.74	9.31e-05	0.0	6.38e-04
5147	172	8.76	7.60	-0.42	4.17e-05	0.0	-6.58e-04
5147	191	-5.99	-10.84	-3.84	1.42e-04	0.0	-4.77e-05
5147	203	2.37	-12.75	-3.73	8.92e-05	0.0	6.38e-04
5147	204	10.02	8.88	-0.19	4.26e-05	0.0	-7.64e-04
5147	223	-6.91	-12.53	-4.17	1.59e-04	0.0	-5.61e-05
5147	235	2.73	-14.90	-4.06	9.69e-05	0.0	7.58e-04
5148	4	0.29	2.32	-2.82	1.30e-03	0.0	-3.45e-04
5148	19	0.07	4.41	-1.07	2.08e-03	0.0	-5.57e-04
5148	28	0.28	-2.24	-3.16	-5.19e-04	0.0	1.51e-04
5148	68	0.19	1.53	-2.03	8.72e-04	0.0	-2.31e-04
5148	72	0.08	2.88	-1.22	1.40e-03	0.0	-3.74e-04
5148	80	0.19	-1.51	-2.25	-3.44e-04	0.0	9.99e-05
5148	98	0.14	-0.23	-1.87	4.03e-05	0.0	-8.78e-06
5148	105	0.13	-0.63	-1.84	-9.31e-05	0.0	2.83e-05
5148	107	0.13	-0.22	-1.80	3.82e-05	0.0	-8.46e-06

5148	108	8.19	6.67	-0.63	1.66e-05	0.0	-5.98e-04
5148	127	-5.54	-9.82	-3.62	1.62e-04	0.0	-4.50e-05
5148	139	2.10	-11.26	-3.54	1.22e-04	0.0	5.70e-04
5148	140	9.20	7.53	-0.48	1.39e-05	0.0	-6.72e-04
5148	159	-6.25	-11.01	-3.85	1.78e-04	0.0	-4.98e-05
5148	171	2.35	-12.65	-3.76	1.33e-04	0.0	6.44e-04
5148	172	8.77	7.38	-0.49	1.38e-05	0.0	-6.60e-04
5148	191	-5.98	-10.77	-3.82	1.76e-04	0.0	-4.77e-05
5148	203	2.37	-12.59	-3.75	1.31e-04	0.0	6.44e-04
5148	204	10.03	8.62	-0.27	9.91e-06	0.0	-7.67e-04
5148	227	-6.09	-12.61	-4.15	2.18e-04	0.0	-3.66e-05
5148	235	2.74	-14.70	-4.09	1.46e-04	0.0	7.65e-04
5149	4	0.36	1.51	-2.78	1.80e-03	0.0	-1.81e-04
5149	19	0.10	3.10	-1.05	2.91e-03	0.0	-2.78e-04
5149	28	0.35	-1.89	-3.12	-7.72e-04	0.0	6.11e-05
5149	68	0.24	0.99	-2.00	1.20e-03	0.0	-1.22e-04
5149	72	0.11	2.01	-1.21	1.95e-03	0.0	-1.89e-04
5149	80	0.24	-1.28	-2.23	-5.13e-04	0.0	3.98e-05
5149	98	0.18	-0.25	-1.85	3.85e-05	0.0	-1.22e-05
5149	105	0.17	-0.56	-1.82	-1.50e-04	0.0	6.17e-06
5149	107	0.17	-0.24	-1.78	3.65e-05	0.0	-1.18e-05
5149	108	8.26	6.80	-0.57	1.32e-04	0.0	-5.52e-04
5149	127	-5.52	-9.90	-3.63	3.78e-05	0.0	-5.42e-05
5149	139	2.15	-11.36	-3.52	-7.19e-05	0.0	4.71e-04
5149	140	9.27	7.69	-0.42	1.44e-04	0.0	-6.20e-04
5149	159	-6.22	-11.10	-3.86	3.79e-05	0.0	-6.00e-05
5149	171	2.40	-12.76	-3.74	-8.56e-05	0.0	5.33e-04
5149	172	8.84	7.54	-0.42	1.41e-04	0.0	-6.08e-04
5149	191	-5.96	-10.86	-3.83	3.61e-05	0.0	-6.05e-05
5149	203	2.42	-12.70	-3.73	-8.63e-05	0.0	5.35e-04
5149	204	10.11	8.81	-0.19	1.58e-04	0.0	-7.06e-04
5149	227	-6.07	-12.72	-4.16	1.09e-04	0.0	-5.01e-05
5149	235	2.78	-14.84	-4.06	-1.08e-04	0.0	6.37e-04
5150	4	0.36	1.47	-2.82	1.74e-03	0.0	-2.01e-04
5150	19	0.11	3.04	-1.07	2.81e-03	0.0	-3.11e-04
5150	28	0.35	-1.88	-3.16	-7.38e-04	0.0	7.14e-05
5150	68	0.25	0.96	-2.03	1.16e-03	0.0	-1.35e-04
5150	72	0.11	1.96	-1.22	1.88e-03	0.0	-2.11e-04
5150	80	0.24	-1.27	-2.25	-4.90e-04	0.0	4.66e-05
5150	98	0.19	-0.25	-1.87	4.01e-05	0.0	-1.21e-05
5150	105	0.17	-0.56	-1.84	-1.42e-04	0.0	8.51e-06
5150	107	0.17	-0.24	-1.80	3.81e-05	0.0	-1.17e-05
5150	108	8.26	6.62	-0.63	1.05e-04	0.0	-5.52e-04
5150	127	-5.51	-9.85	-3.62	5.30e-05	0.0	-5.41e-05
5150	139	2.15	-11.24	-3.54	-2.84e-05	0.0	4.72e-04
5150	140	9.27	7.48	-0.48	1.13e-04	0.0	-6.20e-04
5150	159	-6.22	-11.04	-3.85	5.49e-05	0.0	-5.98e-05
5150	171	2.40	-12.63	-3.76	-3.69e-05	0.0	5.34e-04
5150	172	8.84	7.33	-0.49	1.11e-04	0.0	-6.09e-04
5150	191	-5.96	-10.80	-3.82	5.46e-05	0.0	-6.03e-05
5150	203	2.42	-12.57	-3.75	-3.76e-05	0.0	5.35e-04
5150	204	10.11	8.57	-0.27	1.22e-04	0.0	-7.06e-04
5150	227	-6.07	-12.65	-4.15	1.12e-04	0.0	-4.98e-05
5150	235	2.78	-14.68	-4.09	-5.10e-05	0.0	6.38e-04
5151	4	0.43	0.47	-2.78	3.48e-04	1.66e-04	-4.17e-05
5151	28	0.42	-1.43	-3.12	4.54e-04	1.65e-04	-1.71e-05
5151	44	0.36	-2.01	-2.95	4.47e-04	1.45e-04	-9.32e-06
5151	68	0.30	0.30	-2.00	2.53e-04	1.18e-04	-2.91e-05
5151	80	0.29	-0.97	-2.23	3.23e-04	1.16e-04	-1.28e-05
5151	88	0.25	-1.36	-2.11	3.18e-04	1.03e-04	-7.55e-06
5151	98	0.23	-0.27	-1.84	2.57e-04	9.99e-05	-1.60e-05
5151	105	0.22	-0.47	-1.82	2.59e-04	9.54e-05	-1.36e-05
5151	107	0.22	-0.26	-1.78	2.47e-04	9.56e-05	-1.55e-05
5151	108	8.33	6.71	-0.57	-1.20e-04	1.61e-04	-5.02e-04
5151	127	-5.49	-9.87	-3.63	8.26e-04	1.01e-04	-7.35e-05
5151	139	2.19	-11.25	-3.52	8.55e-04	4.64e-05	3.87e-04
5151	140	9.34	7.58	-0.42	-1.66e-04	1.69e-04	-5.64e-04
5151	159	-6.19	-11.06	-3.86	8.98e-04	1.01e-04	-8.13e-05
5151	171	2.45	-12.64	-3.74	9.32e-04	4.00e-05	4.38e-04
5151	172	8.91	7.43	-0.43	-1.61e-04	1.69e-04	-5.53e-04
5151	191	-5.93	-10.82	-3.82	8.85e-04	1.02e-04	-8.38e-05
5151	203	2.46	-12.58	-3.73	9.28e-04	3.89e-05	4.40e-04
5151	204	10.19	8.69	-0.19	-2.29e-04	1.82e-04	-6.41e-04
5151	227	-6.05	-12.69	-4.16	9.95e-04	1.01e-04	-7.49e-05
5151	235	2.83	-14.69	-4.07	1.04e-03	2.77e-05	5.27e-04

5152	4	0.43	0.46	-2.82	3.56e-04	1.43e-04	-2.24e-05
5152	28	0.42	-1.44	-3.16	4.62e-04	1.41e-04	-2.53e-05
5152	44	0.36	-2.02	-2.98	4.54e-04	1.21e-04	-2.37e-05
5152	68	0.30	0.29	-2.03	2.58e-04	9.97e-05	-1.62e-05
5152	80	0.29	-0.98	-2.25	3.29e-04	9.83e-05	-1.82e-05
5152	88	0.25	-1.36	-2.14	3.23e-04	8.51e-05	-1.71e-05
5152	98	0.23	-0.27	-1.87	2.62e-04	8.20e-05	-1.54e-05
5152	105	0.22	-0.47	-1.84	2.64e-04	7.75e-05	-1.51e-05
5152	107	0.22	-0.26	-1.80	2.52e-04	7.78e-05	-1.49e-05
5152	108	8.33	6.54	-0.63	-1.08e-04	1.44e-04	-4.94e-04
5152	127	-5.49	-9.84	-3.62	8.30e-04	8.17e-05	-7.70e-05
5152	139	2.19	-11.18	-3.54	8.57e-04	2.88e-05	3.77e-04
5152	140	9.34	7.40	-0.48	-1.53e-04	1.53e-04	-5.55e-04
5152	159	-6.20	-11.03	-3.85	9.01e-04	8.22e-05	-8.54e-05
5152	171	2.45	-12.55	-3.76	9.33e-04	2.23e-05	4.27e-04
5152	172	8.91	7.25	-0.49	-1.48e-04	1.53e-04	-5.44e-04
5152	191	-5.93	-10.79	-3.82	8.89e-04	8.26e-05	-8.82e-05
5152	203	2.46	-12.49	-3.75	9.29e-04	2.10e-05	4.29e-04
5152	204	10.19	8.48	-0.27	-2.16e-04	1.65e-04	-6.31e-04
5152	227	-6.05	-12.65	-4.15	9.98e-04	8.17e-05	-8.01e-05
5152	235	2.83	-14.58	-4.09	1.04e-03	9.63e-06	5.13e-04
5153	4	0.29	2.20	-2.85	1.27e-03	0.0	-3.64e-04
5153	19	0.08	4.21	-1.07	2.01e-03	0.0	-5.89e-04
5153	28	0.29	-2.18	-3.19	-4.98e-04	0.0	1.60e-04
5153	68	0.20	1.45	-2.05	8.47e-04	0.0	-2.43e-04
5153	72	0.08	2.75	-1.23	1.35e-03	0.0	-3.95e-04
5153	80	0.20	-1.47	-2.27	-3.29e-04	0.0	1.06e-04
5153	98	0.15	-0.24	-1.88	4.16e-05	0.0	-8.73e-06
5153	105	0.14	-0.62	-1.85	-8.74e-05	0.0	3.04e-05
5153	107	0.14	-0.23	-1.82	3.95e-05	0.0	-8.41e-06
5153	108	8.19	6.46	-0.69	6.85e-06	0.0	-6.00e-04
5153	127	-5.54	-9.75	-3.61	1.79e-04	0.0	-4.52e-05
5153	139	2.11	-11.10	-3.57	1.50e-04	0.0	5.75e-04
5153	140	9.20	7.30	-0.54	2.73e-06	0.0	-6.75e-04
5153	159	-6.24	-10.93	-3.83	1.97e-04	0.0	-5.00e-05
5153	171	2.36	-12.48	-3.79	1.64e-04	0.0	6.50e-04
5153	172	8.77	7.15	-0.55	2.47e-06	0.0	-6.62e-04
5153	195	-5.28	-10.79	-3.80	2.11e-04	0.0	-3.72e-05
5153	203	2.38	-12.41	-3.77	1.63e-04	0.0	6.50e-04
5153	204	10.03	8.36	-0.34	-3.78e-06	0.0	-7.69e-04
5153	227	-6.09	-12.52	-4.12	2.39e-04	0.0	-3.66e-05
5153	235	2.74	-14.49	-4.11	1.84e-04	0.0	7.72e-04
5154	4	0.36	1.39	-2.85	1.67e-03	0.0	-2.20e-04
5154	19	0.11	2.92	-1.07	2.69e-03	0.0	-3.44e-04
5154	28	0.36	-1.85	-3.19	-7.01e-04	0.0	8.13e-05
5154	68	0.25	0.91	-2.05	1.12e-03	0.0	-1.48e-04
5154	72	0.11	1.88	-1.23	1.80e-03	0.0	-2.33e-04
5154	80	0.24	-1.25	-2.28	-4.65e-04	0.0	5.32e-05
5154	98	0.19	-0.26	-1.88	4.12e-05	0.0	-1.20e-05
5154	105	0.18	-0.56	-1.86	-1.33e-04	0.0	1.08e-05
5154	107	0.18	-0.25	-1.82	3.92e-05	0.0	-1.16e-05
5154	108	8.26	6.43	-0.68	7.12e-05	0.0	-5.52e-04
5154	127	-5.51	-9.80	-3.62	8.26e-05	0.0	-5.39e-05
5154	139	2.15	-11.13	-3.56	1.77e-05	0.0	4.72e-04
5154	140	9.27	7.27	-0.54	7.52e-05	0.0	-6.20e-04
5154	159	-6.22	-10.99	-3.84	8.81e-05	0.0	-5.96e-05
5154	171	2.40	-12.50	-3.78	1.50e-05	0.0	5.34e-04
5154	172	8.84	7.13	-0.55	7.36e-05	0.0	-6.09e-04
5154	191	-5.95	-10.75	-3.81	8.78e-05	0.0	-6.01e-05
5154	203	2.42	-12.43	-3.77	1.47e-05	0.0	5.36e-04
5154	204	10.11	8.33	-0.33	7.91e-05	0.0	-7.07e-04
5154	227	-6.07	-12.58	-4.13	1.32e-04	0.0	-4.96e-05
5154	235	2.78	-14.51	-4.11	1.01e-05	0.0	6.39e-04
5155	4	0.43	0.46	-2.85	3.64e-04	1.25e-04	-4.32e-06
5155	28	0.42	-1.45	-3.19	4.69e-04	1.22e-04	-3.32e-05
5155	44	0.36	-2.03	-3.01	4.61e-04	1.02e-04	-3.74e-05
5155	68	0.30	0.29	-2.05	2.64e-04	8.57e-05	-4.13e-06
5155	80	0.29	-0.98	-2.28	3.34e-04	8.40e-05	-2.34e-05
5155	88	0.25	-1.37	-2.15	3.28e-04	7.07e-05	-2.62e-05
5155	98	0.23	-0.28	-1.89	2.67e-04	6.77e-05	-1.49e-05
5155	105	0.22	-0.48	-1.86	2.69e-04	6.32e-05	-1.65e-05
5155	107	0.22	-0.27	-1.82	2.57e-04	6.35e-05	-1.44e-05
5155	108	8.33	6.38	-0.68	-9.62e-05	1.29e-04	-4.87e-04
5155	127	-5.49	-9.81	-3.62	8.33e-04	7.03e-05	-8.10e-05
5155	139	2.19	-11.10	-3.56	8.59e-04	7.95e-06	3.69e-04

5155	140	9.34	7.21	-0.54	-1.41e-04	1.37e-04	-5.47e-04
5155	159	-6.20	-11.00	-3.84	9.05e-04	7.12e-05	-9.00e-05
5155	171	2.44	-12.46	-3.78	9.35e-04	0.0	4.19e-04
5155	172	8.91	7.07	-0.55	-1.36e-04	1.36e-04	-5.37e-04
5155	191	-5.93	-10.77	-3.81	8.93e-04	7.13e-05	-9.31e-05
5155	203	2.46	-12.40	-3.77	9.30e-04	0.0	4.20e-04
5155	204	10.19	8.27	-0.33	-2.02e-04	1.48e-04	-6.22e-04
5155	227	-6.05	-12.61	-4.14	1.00e-03	6.98e-05	-8.60e-05
5155	235	2.83	-14.47	-4.11	1.04e-03	-1.15e-05	5.03e-04
5156	4	0.28	0.74	-2.98	-2.83e-04	0.0	-1.97e-04
5156	28	0.28	-1.20	-3.31	3.23e-04	0.0	7.19e-05
5156	44	0.24	-1.77	-3.08	4.55e-04	0.0	1.33e-04
5156	68	0.19	0.48	-2.12	-1.85e-04	0.0	-1.32e-04
5156	80	0.19	-0.81	-2.34	2.18e-04	0.0	4.68e-05
5156	88	0.17	-1.19	-2.19	3.07e-04	0.0	8.75e-05
5156	98	0.15	-0.16	-1.91	5.83e-05	0.0	-1.18e-05
5156	105	0.15	-0.36	-1.87	1.04e-04	0.0	8.45e-06
5156	107	0.15	-0.15	-1.84	5.53e-05	0.0	-1.15e-05
5156	108	6.91	4.58	-0.62	7.22e-05	0.0	-4.65e-04
5156	127	-4.59	-8.18	-3.77	5.35e-04	0.0	-5.10e-05
5156	139	1.80	-8.93	-3.37	7.69e-04	0.0	3.79e-04
5156	140	7.75	5.18	-0.47	7.45e-05	0.0	-5.22e-04
5156	159	-5.18	-9.18	-4.01	5.94e-04	0.0	-5.64e-05
5156	171	2.01	-10.03	-3.57	8.58e-04	0.0	4.29e-04
5156	172	7.40	5.09	-0.48	6.97e-05	0.0	-5.14e-04
5156	191	-4.96	-9.01	-3.97	5.83e-04	0.0	-5.70e-05
5156	203	2.03	-9.96	-3.55	8.46e-04	0.0	4.32e-04
5156	204	8.46	5.95	-0.26	7.03e-05	0.0	-5.97e-04
5156	223	-5.72	-10.42	-4.32	6.67e-04	0.0	-6.73e-05
5156	235	2.33	-11.62	-3.84	9.77e-04	0.0	5.16e-04
5157	4	0.28	0.66	-2.99	-1.73e-04	0.0	-1.90e-04
5157	28	0.28	-1.17	-3.32	2.74e-04	0.0	6.91e-05
5157	44	0.24	-1.72	-3.08	3.71e-04	0.0	1.28e-04
5157	68	0.19	0.43	-2.13	-1.12e-04	0.0	-1.28e-04
5157	80	0.19	-0.79	-2.35	1.86e-04	0.0	4.49e-05
5157	88	0.17	-1.16	-2.19	2.51e-04	0.0	8.41e-05
5157	98	0.15	-0.17	-1.91	6.12e-05	0.0	-1.15e-05
5157	105	0.15	-0.35	-1.87	9.50e-05	0.0	7.99e-06
5157	107	0.15	-0.16	-1.83	5.81e-05	0.0	-1.12e-05
5157	108	6.91	4.38	-0.83	5.66e-05	0.0	-4.64e-04
5157	127	-4.59	-8.13	-3.62	5.16e-04	0.0	-5.02e-05
5157	139	1.80	-8.81	-3.41	7.07e-04	0.0	3.77e-04
5157	140	7.76	4.94	-0.70	5.66e-05	0.0	-5.22e-04
5157	159	-5.18	-9.13	-3.84	5.73e-04	0.0	-5.55e-05
5157	171	2.01	-9.90	-3.61	7.88e-04	0.0	4.27e-04
5157	172	7.40	4.86	-0.71	5.31e-05	0.0	-5.13e-04
5157	191	-4.96	-8.95	-3.81	5.62e-04	0.0	-5.62e-05
5157	203	2.03	-9.82	-3.59	7.78e-04	0.0	4.30e-04
5157	204	8.46	5.68	-0.52	5.09e-05	0.0	-5.96e-04
5157	223	-5.73	-10.36	-4.13	6.43e-04	0.0	-6.64e-05
5157	235	2.33	-11.45	-3.89	8.97e-04	0.0	5.14e-04
5158	28	0.29	-1.36	-3.31	2.58e-04	0.0	1.40e-04
5158	44	0.25	-2.00	-3.08	3.57e-04	0.0	2.45e-04
5158	80	0.20	-0.92	-2.35	1.75e-04	0.0	9.18e-05
5158	88	0.17	-1.35	-2.19	2.41e-04	0.0	1.62e-04
5158	98	0.16	-0.19	-1.91	5.13e-05	0.0	-1.22e-05
5158	105	0.15	-0.41	-1.87	8.56e-05	0.0	2.29e-05
5158	107	0.15	-0.18	-1.84	4.87e-05	0.0	-1.21e-05
5158	108	7.35	4.72	-0.65	6.75e-05	0.0	-4.98e-04
5158	127	-4.90	-8.51	-3.75	4.93e-04	0.0	-5.29e-05
5158	139	1.91	-9.33	-3.38	7.16e-04	0.0	4.49e-04
5158	140	8.25	5.34	-0.50	7.00e-05	0.0	-5.59e-04
5158	159	-5.53	-9.55	-3.99	5.48e-04	0.0	-5.82e-05
5158	171	2.14	-10.48	-3.57	8.00e-04	0.0	5.08e-04
5158	172	7.86	5.24	-0.51	6.44e-05	0.0	-5.49e-04
5158	191	-5.30	-9.36	-3.96	5.38e-04	0.0	-5.61e-05
5158	203	2.16	-10.40	-3.56	7.89e-04	0.0	5.10e-04
5158	204	9.00	6.13	-0.29	6.47e-05	0.0	-6.38e-04
5158	223	-6.11	-10.83	-4.30	6.17e-04	0.0	-6.50e-05
5158	235	2.48	-12.12	-3.85	9.11e-04	0.0	6.07e-04
5159	28	0.29	-1.30	-3.32	2.22e-04	0.0	1.36e-04
5159	44	0.25	-1.90	-3.08	2.97e-04	0.0	2.39e-04
5159	80	0.20	-0.88	-2.35	1.51e-04	0.0	8.94e-05
5159	88	0.17	-1.28	-2.19	2.01e-04	0.0	1.58e-04
5159	98	0.16	-0.19	-1.91	5.18e-05	0.0	-1.19e-05

5159	105	0.15	-0.40	-1.87	7.81e-05	0.0	2.23e-05
5159	107	0.15	-0.19	-1.83	4.92e-05	0.0	-1.18e-05
5159	108	7.35	4.50	-0.83	5.09e-05	0.0	-4.97e-04
5159	127	-4.90	-8.44	-3.61	4.78e-04	0.0	-5.24e-05
5159	139	1.91	-9.17	-3.41	6.65e-04	0.0	4.47e-04
5159	140	8.25	5.08	-0.71	5.13e-05	0.0	-5.58e-04
5159	159	-5.53	-9.46	-3.84	5.32e-04	0.0	-5.77e-05
5159	171	2.14	-10.30	-3.61	7.42e-04	0.0	5.06e-04
5159	172	7.86	4.99	-0.71	4.69e-05	0.0	-5.48e-04
5159	191	-5.29	-9.28	-3.80	5.22e-04	0.0	-5.56e-05
5159	203	2.16	-10.22	-3.59	7.32e-04	0.0	5.08e-04
5159	204	8.99	5.84	-0.52	4.46e-05	0.0	-6.37e-04
5159	223	-6.11	-10.74	-4.12	5.98e-04	0.0	-6.45e-05
5159	235	2.48	-11.91	-3.89	8.44e-04	0.0	6.05e-04
5160	28	0.29	-1.48	-3.32	1.86e-04	0.0	1.84e-04
5160	44	0.25	-2.17	-3.08	2.43e-04	0.0	3.18e-04
5160	80	0.20	-1.00	-2.35	1.26e-04	0.0	1.21e-04
5160	88	0.17	-1.46	-2.19	1.64e-04	0.0	2.10e-04
5160	98	0.15	-0.21	-1.92	4.75e-05	0.0	-1.26e-05
5160	105	0.15	-0.45	-1.88	6.76e-05	0.0	3.21e-05
5160	107	0.14	-0.20	-1.84	4.51e-05	0.0	-1.26e-05
5160	108	7.75	4.85	-0.68	5.35e-05	0.0	-6.55e-04
5160	127	-5.20	-8.80	-3.73	4.53e-04	0.0	3.80e-04
5160	139	2.01	-9.68	-3.39	6.36e-04	0.0	5.06e-04
5160	140	8.70	5.49	-0.54	5.47e-05	0.0	-7.36e-04
5160	159	-5.86	-9.87	-3.97	5.03e-04	0.0	4.29e-04
5160	171	2.25	-10.88	-3.59	7.09e-04	0.0	5.73e-04
5160	172	8.29	5.38	-0.55	4.99e-05	0.0	-7.20e-04
5160	191	-5.61	-9.68	-3.94	4.94e-04	0.0	4.17e-04
5160	203	2.27	-10.79	-3.57	7.00e-04	0.0	5.74e-04
5160	204	9.48	6.30	-0.33	4.86e-05	0.0	-8.36e-04
5160	223	-6.48	-11.19	-4.28	5.67e-04	0.0	4.88e-04
5160	235	2.61	-12.58	-3.86	8.08e-04	0.0	6.82e-04
5161	28	0.29	-1.41	-3.32	1.67e-04	0.0	1.78e-04
5161	44	0.25	-2.04	-3.08	2.11e-04	0.0	3.08e-04
5161	80	0.20	-0.95	-2.35	1.14e-04	0.0	1.17e-04
5161	88	0.17	-1.37	-2.19	1.43e-04	0.0	2.04e-04
5161	98	0.15	-0.22	-1.91	4.76e-05	0.0	-1.27e-05
5161	105	0.15	-0.44	-1.87	6.36e-05	0.0	3.07e-05
5161	107	0.14	-0.21	-1.83	4.53e-05	0.0	-1.27e-05
5161	108	7.75	4.61	-0.84	3.92e-05	0.0	-6.54e-04
5161	127	-5.20	-8.72	-3.61	4.44e-04	0.0	3.79e-04
5161	139	2.01	-9.50	-3.41	5.99e-04	0.0	5.04e-04
5161	140	8.70	5.22	-0.71	3.85e-05	0.0	-7.35e-04
5161	159	-5.86	-9.78	-3.83	4.94e-04	0.0	4.29e-04
5161	171	2.25	-10.67	-3.61	6.69e-04	0.0	5.70e-04
5161	172	8.29	5.12	-0.72	3.47e-05	0.0	-7.19e-04
5161	191	-5.61	-9.59	-3.80	4.85e-04	0.0	4.16e-04
5161	203	2.27	-10.58	-3.59	6.60e-04	0.0	5.71e-04
5161	204	9.49	5.99	-0.53	3.13e-05	0.0	-8.35e-04
5161	223	-6.48	-11.09	-4.12	5.56e-04	0.0	4.88e-04
5161	235	2.62	-12.33	-3.89	7.61e-04	0.0	6.79e-04
5162	28	0.29	-1.57	-3.32	9.65e-05	0.0	2.16e-04
5162	44	0.25	-2.29	-3.09	9.46e-05	0.0	3.72e-04
5162	80	0.20	-1.06	-2.35	6.74e-05	0.0	1.42e-04
5162	88	0.17	-1.54	-2.20	6.62e-05	0.0	2.46e-04
5162	98	0.15	-0.24	-1.92	4.89e-05	0.0	-1.38e-05
5162	105	0.14	-0.48	-1.88	4.94e-05	0.0	3.81e-05
5162	107	0.14	-0.23	-1.84	4.67e-05	0.0	-1.39e-05
5162	108	8.12	4.96	-0.73	2.52e-05	0.0	-6.84e-04
5162	127	-5.48	-9.07	-3.71	4.07e-04	0.0	3.98e-04
5162	139	2.10	-10.00	-3.41	5.05e-04	0.0	5.48e-04
5162	140	9.12	5.61	-0.59	2.27e-05	0.0	-7.68e-04
5162	159	-6.17	-10.17	-3.94	4.52e-04	0.0	4.50e-04
5162	171	2.35	-11.23	-3.60	5.62e-04	0.0	6.19e-04
5162	172	8.69	5.50	-0.60	2.12e-05	0.0	-7.50e-04
5162	191	-5.91	-9.97	-3.91	4.45e-04	0.0	4.35e-04
5162	203	2.37	-11.14	-3.59	5.56e-04	0.0	6.19e-04
5162	204	9.94	6.44	-0.39	1.64e-05	0.0	-8.70e-04
5162	223	-6.82	-11.53	-4.24	5.08e-04	0.0	5.09e-04
5162	235	2.73	-12.98	-3.88	6.40e-04	0.0	7.35e-04
5163	28	0.30	-1.48	-3.32	1.08e-04	0.0	1.95e-04
5163	44	0.25	-2.13	-3.08	1.14e-04	0.0	3.37e-04
5163	80	0.20	-1.00	-2.35	7.52e-05	0.0	1.28e-04
5163	88	0.17	-1.43	-2.19	7.90e-05	0.0	2.23e-04

5163	98	0.15	-0.24	-1.91	4.91e-05	0.0	-1.41e-05
5163	105	0.14	-0.47	-1.87	5.21e-05	0.0	3.32e-05
5163	107	0.14	-0.23	-1.83	4.69e-05	0.0	-1.42e-05
5163	108	8.12	4.71	-0.84	1.98e-05	0.0	-6.80e-04
5163	127	-5.47	-8.97	-3.61	4.17e-04	0.0	3.94e-04
5163	139	2.10	-9.80	-3.41	5.13e-04	0.0	5.37e-04
5163	140	9.11	5.33	-0.71	1.65e-05	0.0	-7.64e-04
5163	159	-6.17	-10.06	-3.83	4.62e-04	0.0	4.45e-04
5163	171	2.35	-11.00	-3.61	5.71e-04	0.0	6.07e-04
5163	172	8.68	5.23	-0.72	1.52e-05	0.0	-7.46e-04
5163	191	-5.91	-9.87	-3.80	4.55e-04	0.0	4.31e-04
5163	203	2.37	-10.91	-3.59	5.64e-04	0.0	6.07e-04
5163	204	9.93	6.12	-0.53	9.34e-06	0.0	-8.65e-04
5163	223	-6.81	-11.41	-4.12	5.20e-04	0.0	5.04e-04
5163	235	2.73	-12.70	-3.89	6.50e-04	0.0	7.21e-04
5164	4	0.28	0.58	-2.98	-4.78e-05	0.0	-1.70e-04
5164	28	0.28	-1.14	-3.31	2.28e-04	0.0	6.67e-05
5164	44	0.24	-1.67	-3.07	2.86e-04	0.0	1.20e-04
5164	68	0.19	0.37	-2.12	-2.77e-05	0.0	-1.14e-04
5164	80	0.19	-0.77	-2.34	1.56e-04	0.0	4.36e-05
5164	88	0.17	-1.12	-2.18	1.95e-04	0.0	7.91e-05
5164	98	0.15	-0.17	-1.90	6.87e-05	0.0	-8.34e-06
5164	105	0.15	-0.35	-1.86	8.97e-05	0.0	9.35e-06
5164	107	0.15	-0.16	-1.82	6.55e-05	0.0	-8.23e-06
5164	108	6.92	4.17	-0.97	4.24e-05	0.0	-4.59e-04
5164	127	-4.59	-8.08	-3.49	4.99e-04	0.0	-4.46e-05
5164	139	1.80	-8.69	-3.44	6.41e-04	0.0	3.72e-04
5164	140	7.76	4.71	-0.87	3.97e-05	0.0	-5.16e-04
5164	159	-5.18	-9.07	-3.69	5.53e-04	0.0	-4.96e-05
5164	171	2.02	-9.77	-3.64	7.13e-04	0.0	4.21e-04
5164	172	7.40	4.63	-0.87	3.77e-05	0.0	-5.09e-04
5164	191	-4.96	-8.90	-3.66	5.44e-04	0.0	-5.04e-05
5164	203	2.03	-9.68	-3.62	7.04e-04	0.0	4.25e-04
5164	204	8.47	5.42	-0.71	3.23e-05	0.0	-5.92e-04
5164	227	-5.04	-10.38	-3.96	7.11e-04	0.0	-4.12e-05
5164	235	2.34	-11.28	-3.92	8.09e-04	0.0	5.08e-04
5165	28	0.29	-1.25	-3.31	1.83e-04	0.0	1.26e-04
5165	44	0.25	-1.80	-3.07	2.32e-04	0.0	2.20e-04
5165	80	0.20	-0.84	-2.34	1.25e-04	0.0	8.28e-05
5165	88	0.17	-1.21	-2.18	1.58e-04	0.0	1.45e-04
5165	98	0.16	-0.20	-1.90	5.31e-05	0.0	-1.02e-05
5165	105	0.15	-0.39	-1.86	7.06e-05	0.0	2.11e-05
5165	107	0.15	-0.19	-1.82	5.05e-05	0.0	-1.01e-05
5165	108	7.35	4.27	-0.97	3.09e-05	0.0	-4.91e-04
5165	127	-4.90	-8.37	-3.49	4.63e-04	0.0	-4.95e-05
5165	139	1.91	-9.02	-3.43	6.05e-04	0.0	4.38e-04
5165	140	8.25	4.83	-0.87	2.86e-05	0.0	-5.52e-04
5165	159	-5.53	-9.38	-3.69	5.15e-04	0.0	-5.47e-05
5165	171	2.14	-10.12	-3.63	6.74e-04	0.0	4.95e-04
5165	172	7.86	4.74	-0.87	2.58e-05	0.0	-5.43e-04
5165	191	-5.29	-9.21	-3.66	5.06e-04	0.0	-5.31e-05
5165	203	2.16	-10.04	-3.62	6.65e-04	0.0	4.98e-04
5165	204	8.99	5.55	-0.71	2.04e-05	0.0	-6.31e-04
5165	227	-5.38	-10.74	-3.96	6.67e-04	0.0	-4.28e-05
5165	235	2.48	-11.69	-3.92	7.67e-04	0.0	5.93e-04
5166	28	0.29	-1.33	-3.31	1.50e-04	0.0	1.59e-04
5166	44	0.25	-1.91	-3.07	1.83e-04	0.0	2.77e-04
5166	80	0.20	-0.90	-2.34	1.03e-04	0.0	1.04e-04
5166	88	0.17	-1.29	-2.18	1.25e-04	0.0	1.83e-04
5166	98	0.15	-0.22	-1.90	4.80e-05	0.0	-1.31e-05
5166	105	0.15	-0.42	-1.86	6.04e-05	0.0	2.62e-05
5166	107	0.14	-0.21	-1.82	4.58e-05	0.0	-1.31e-05
5166	108	7.75	4.37	-0.97	2.25e-05	0.0	-5.20e-04
5166	127	-5.20	-8.63	-3.48	4.42e-04	0.0	-5.82e-05
5166	139	2.01	-9.32	-3.43	5.68e-04	0.0	4.91e-04
5166	140	8.70	4.94	-0.87	1.97e-05	0.0	-5.84e-04
5166	159	-5.86	-9.68	-3.69	4.91e-04	0.0	-6.39e-05
5166	171	2.25	-10.47	-3.63	6.33e-04	0.0	5.55e-04
5166	172	8.29	4.85	-0.87	1.71e-05	0.0	-5.73e-04
5166	191	-5.61	-9.50	-3.66	4.83e-04	0.0	-6.07e-05
5166	203	2.27	-10.38	-3.61	6.25e-04	0.0	5.56e-04
5166	204	9.49	5.68	-0.71	1.12e-05	0.0	-6.64e-04
5166	227	-5.71	-11.07	-3.96	6.34e-04	0.0	-4.97e-05
5166	235	2.62	-12.08	-3.91	7.21e-04	0.0	6.61e-04
5167	28	0.30	-1.40	-3.31	1.23e-04	0.0	1.61e-04

5167	44	0.25	-1.99	-3.07	1.38e-04	0.0	2.82e-04
5167	80	0.20	-0.95	-2.34	8.49e-05	0.0	1.05e-04
5167	88	0.17	-1.34	-2.18	9.48e-05	0.0	1.86e-04
5167	98	0.15	-0.25	-1.90	4.96e-05	0.0	-1.71e-05
5167	105	0.14	-0.45	-1.86	5.56e-05	0.0	2.34e-05
5167	107	0.14	-0.24	-1.82	4.74e-05	0.0	-1.71e-05
5167	108	8.11	4.46	-0.97	1.21e-05	0.0	-5.42e-04
5167	127	-5.47	-8.89	-3.48	4.30e-04	0.0	-6.67e-05
5167	139	2.10	-9.61	-3.43	5.23e-04	0.0	5.16e-04
5167	140	9.11	5.05	-0.87	7.81e-06	0.0	-6.08e-04
5167	159	-6.17	-9.96	-3.69	4.78e-04	0.0	-7.30e-05
5167	171	2.35	-10.78	-3.63	5.83e-04	0.0	5.84e-04
5167	172	8.68	4.95	-0.87	6.77e-06	0.0	-5.94e-04
5167	191	-5.91	-9.78	-3.66	4.69e-04	0.0	-6.93e-05
5167	203	2.37	-10.69	-3.61	5.76e-04	0.0	5.83e-04
5167	204	9.93	5.80	-0.71	0.0	0.0	-6.86e-04
5167	227	-6.01	-11.39	-3.96	6.07e-04	0.0	-5.81e-05
5167	235	2.73	-12.44	-3.91	6.63e-04	0.0	6.92e-04
5168	4	0.33	0.85	-2.99	2.84e-04	0.0	-3.57e-04
5168	28	0.32	-1.58	-3.32	1.41e-05	0.0	1.53e-04
5168	44	0.28	-2.27	-3.09	-4.45e-05	0.0	2.66e-04
5168	68	0.22	0.55	-2.13	1.93e-04	0.0	-2.39e-04
5168	80	0.22	-1.07	-2.35	1.31e-05	0.0	1.00e-04
5168	88	0.19	-1.53	-2.20	-2.60e-05	0.0	1.76e-04
5168	98	0.17	-0.26	-1.92	5.22e-05	0.0	-1.29e-05
5168	105	0.16	-0.50	-1.88	3.37e-05	0.0	2.49e-05
5168	107	0.16	-0.25	-1.85	5.01e-05	0.0	-1.29e-05
5168	108	8.21	5.02	-0.74	-1.03e-04	0.0	-5.34e-04
5168	127	-5.51	-9.28	-3.70	3.97e-04	0.0	-5.92e-05
5168	139	2.13	-10.20	-3.41	3.83e-04	0.0	4.95e-04
5168	140	9.21	5.68	-0.60	-1.22e-04	0.0	-6.00e-04
5168	159	-6.21	-10.40	-3.93	4.40e-04	0.0	-6.51e-05
5168	171	2.38	-11.45	-3.61	4.24e-04	0.0	5.60e-04
5168	172	8.78	5.57	-0.61	-1.20e-04	0.0	-5.88e-04
5168	191	-5.95	-10.20	-3.90	4.33e-04	0.0	-6.22e-05
5168	203	2.40	-11.36	-3.59	4.21e-04	0.0	5.61e-04
5168	204	10.05	6.52	-0.41	-1.48e-04	0.0	-6.82e-04
5168	223	-6.86	-11.79	-4.23	4.95e-04	0.0	-7.19e-05
5168	235	2.76	-13.23	-3.89	4.83e-04	0.0	6.68e-04
5169	4	0.33	0.70	-2.99	2.04e-04	0.0	-3.42e-04
5169	28	0.33	-1.52	-3.32	5.69e-05	0.0	1.45e-04
5169	44	0.28	-2.16	-3.08	2.53e-05	0.0	2.54e-04
5169	68	0.23	0.45	-2.13	1.40e-04	0.0	-2.30e-04
5169	80	0.23	-1.03	-2.35	4.16e-05	0.0	9.52e-05
5169	88	0.19	-1.45	-2.19	2.05e-05	0.0	1.68e-04
5169	98	0.17	-0.27	-1.91	5.29e-05	0.0	-1.32e-05
5169	105	0.16	-0.49	-1.87	4.35e-05	0.0	2.29e-05
5169	107	0.16	-0.26	-1.84	5.07e-05	0.0	-1.32e-05
5169	108	8.21	4.78	-0.84	-1.20e-04	0.0	-5.34e-04
5169	127	-5.50	-9.20	-3.61	4.30e-04	0.0	-5.98e-05
5169	139	2.13	-10.03	-3.41	4.32e-04	0.0	4.93e-04
5169	140	9.22	5.41	-0.72	-1.42e-04	0.0	-6.00e-04
5169	159	-6.21	-10.31	-3.83	4.77e-04	0.0	-6.57e-05
5169	171	2.38	-11.25	-3.61	4.80e-04	0.0	5.58e-04
5169	172	8.79	5.30	-0.73	-1.38e-04	0.0	-5.88e-04
5169	191	-5.94	-10.11	-3.80	4.69e-04	0.0	-6.30e-05
5169	203	2.40	-11.16	-3.59	4.75e-04	0.0	5.59e-04
5169	204	10.05	6.21	-0.54	-1.69e-04	0.0	-6.81e-04
5169	223	-6.86	-11.69	-4.11	5.36e-04	0.0	-7.29e-05
5169	235	2.77	-12.99	-3.89	5.46e-04	0.0	6.64e-04
5170	4	0.38	0.65	-2.99	3.92e-04	0.0	-2.02e-04
5170	28	0.37	-1.56	-3.32	-3.68e-05	0.0	6.95e-05
5170	44	0.32	-2.19	-3.09	-1.31e-04	0.0	1.31e-04
5170	68	0.26	0.41	-2.13	2.65e-04	0.0	-1.37e-04
5170	80	0.25	-1.06	-2.35	-2.06e-05	0.0	4.47e-05
5170	88	0.22	-1.48	-2.20	-8.31e-05	0.0	8.58e-05
5170	98	0.20	-0.29	-1.92	5.42e-05	0.0	-1.47e-05
5170	105	0.19	-0.51	-1.88	2.40e-05	0.0	5.71e-06
5170	107	0.19	-0.28	-1.85	5.21e-05	0.0	-1.45e-05
5170	108	8.27	5.06	-0.75	-7.73e-05	0.0	-5.18e-04
5170	127	-5.50	-9.46	-3.69	3.59e-04	0.0	-6.29e-05
5170	139	2.16	-10.36	-3.42	3.16e-04	0.0	4.31e-04
5170	140	9.28	5.72	-0.62	-9.35e-05	0.0	-5.82e-04
5170	159	-6.21	-10.60	-3.92	3.97e-04	0.0	-6.94e-05
5170	171	2.41	-11.63	-3.62	3.49e-04	0.0	4.88e-04

5170	172	8.85	5.61	-0.63	-9.20e-05	0.0	-5.70e-04
5170	191	-5.94	-10.39	-3.89	3.91e-04	0.0	-6.96e-05
5170	203	2.43	-11.53	-3.60	3.46e-04	0.0	4.90e-04
5170	204	10.12	6.58	-0.42	-1.16e-04	0.0	-6.61e-04
5170	223	-6.86	-12.01	-4.22	4.46e-04	0.0	-8.17e-05
5170	235	2.79	-13.43	-3.89	3.95e-04	0.0	5.85e-04
5171	4	0.38	0.57	-2.99	2.88e-04	0.0	-1.99e-04
5171	28	0.37	-1.53	-3.32	2.02e-05	0.0	6.80e-05
5171	44	0.32	-2.14	-3.08	-3.85e-05	0.0	1.29e-04
5171	68	0.26	0.36	-2.13	1.96e-04	0.0	-1.35e-04
5171	80	0.26	-1.04	-2.35	1.74e-05	0.0	4.37e-05
5171	88	0.22	-1.45	-2.19	-2.18e-05	0.0	8.41e-05
5171	98	0.20	-0.30	-1.91	5.57e-05	0.0	-1.48e-05
5171	105	0.19	-0.51	-1.87	3.72e-05	0.0	5.27e-06
5171	107	0.19	-0.28	-1.84	5.34e-05	0.0	-1.46e-05
5171	108	8.27	4.82	-0.85	-9.37e-05	0.0	-5.18e-04
5171	127	-5.50	-9.40	-3.60	3.98e-04	0.0	-6.35e-05
5171	139	2.16	-10.22	-3.41	3.76e-04	0.0	4.30e-04
5171	140	9.28	5.46	-0.72	-1.12e-04	0.0	-5.81e-04
5171	159	-6.20	-10.54	-3.82	4.41e-04	0.0	-7.00e-05
5171	171	2.41	-11.47	-3.61	4.16e-04	0.0	4.87e-04
5171	172	8.85	5.36	-0.73	-1.10e-04	0.0	-5.70e-04
5171	191	-5.94	-10.33	-3.79	4.34e-04	0.0	-7.03e-05
5171	203	2.43	-11.37	-3.59	4.12e-04	0.0	4.89e-04
5171	204	10.12	6.28	-0.54	-1.37e-04	0.0	-6.60e-04
5171	223	-6.86	-11.94	-4.11	4.96e-04	0.0	-8.25e-05
5171	235	2.80	-13.24	-3.89	4.72e-04	0.0	5.83e-04
5172	4	0.43	0.40	-2.99	4.24e-04	1.19e-05	-3.98e-05
5172	28	0.42	-1.51	-3.32	5.29e-04	6.01e-06	-2.12e-05
5172	44	0.36	-2.09	-3.09	5.13e-04	-9.15e-06	-1.45e-05
5172	68	0.29	0.25	-2.13	3.07e-04	0.0	-2.80e-05
5172	80	0.29	-1.03	-2.35	3.77e-04	-3.16e-06	-1.56e-05
5172	88	0.25	-1.41	-2.20	3.67e-04	-1.33e-05	-1.11e-05
5172	98	0.23	-0.32	-1.92	3.07e-04	-1.71e-05	-1.74e-05
5172	105	0.21	-0.52	-1.88	3.08e-04	-2.06e-05	-1.54e-05
5172	107	0.21	-0.30	-1.85	2.96e-04	-2.00e-05	-1.68e-05
5172	108	8.33	5.08	-0.76	-3.09e-06	1.61e-04	-5.02e-04
5172	127	-5.49	-9.62	-3.69	8.64e-04	-1.49e-04	-7.50e-05
5172	139	2.19	-10.49	-3.42	8.75e-04	-1.06e-04	3.83e-04
5172	140	9.34	5.75	-0.62	-4.06e-05	1.84e-04	-5.63e-04
5172	159	-6.20	-10.78	-3.92	9.35e-04	-1.65e-04	-8.29e-05
5172	171	2.44	-11.77	-3.62	9.48e-04	-1.17e-04	4.34e-04
5172	172	8.91	5.64	-0.63	-3.70e-05	1.81e-04	-5.52e-04
5172	191	-5.94	-10.57	-3.88	9.23e-04	-1.63e-04	-8.53e-05
5172	203	2.46	-11.68	-3.60	9.42e-04	-1.17e-04	4.36e-04
5172	204	10.19	6.61	-0.43	-9.29e-05	2.14e-04	-6.40e-04
5172	223	-6.86	-12.21	-4.22	1.02e-03	-1.86e-04	-1.01e-04
5172	235	2.82	-13.60	-3.90	1.05e-03	-1.34e-04	5.22e-04
5173	4	0.43	0.39	-2.99	4.34e-04	5.38e-06	-2.93e-05
5173	28	0.42	-1.53	-3.32	5.39e-04	-1.54e-06	-2.94e-05
5173	44	0.36	-2.10	-3.08	5.22e-04	-1.44e-05	-2.67e-05
5173	68	0.29	0.24	-2.13	3.15e-04	-3.50e-06	-2.11e-05
5173	80	0.29	-1.04	-2.35	3.84e-04	-8.11e-06	-2.12e-05
5173	88	0.25	-1.42	-2.19	3.73e-04	-1.67e-05	-1.93e-05
5173	98	0.23	-0.33	-1.91	3.14e-04	-2.15e-05	-1.87e-05
5173	105	0.21	-0.52	-1.87	3.14e-04	-2.46e-05	-1.80e-05
5173	107	0.21	-0.31	-1.84	3.03e-04	-2.39e-05	-1.81e-05
5173	108	8.33	4.86	-0.85	1.23e-05	2.65e-04	-4.97e-04
5173	127	-5.49	-9.59	-3.60	8.69e-04	-2.36e-04	-8.06e-05
5173	139	2.19	-10.39	-3.41	8.78e-04	-1.69e-04	3.73e-04
5173	140	9.34	5.51	-0.73	-2.41e-05	3.01e-04	-5.57e-04
5173	159	-6.20	-10.74	-3.82	9.40e-04	-2.62e-04	-8.90e-05
5173	171	2.44	-11.66	-3.61	9.50e-04	-1.87e-04	4.24e-04
5173	172	8.91	5.41	-0.74	-2.06e-05	2.92e-04	-5.47e-04
5173	191	-5.94	-10.54	-3.79	9.29e-04	-2.56e-04	-9.18e-05
5173	203	2.46	-11.56	-3.60	9.44e-04	-1.81e-04	4.25e-04
5173	204	10.19	6.34	-0.55	-7.48e-05	3.43e-04	-6.34e-04
5173	223	-6.86	-12.18	-4.11	1.03e-03	-2.93e-04	-1.08e-04
5173	235	2.83	-13.45	-3.89	1.05e-03	-2.07e-04	5.09e-04
5174	4	0.34	0.56	-2.98	1.21e-04	0.0	-3.07e-04
5174	28	0.34	-1.46	-3.31	1.02e-04	0.0	1.27e-04
5174	44	0.29	-2.05	-3.07	9.84e-05	0.0	2.23e-04
5174	68	0.23	0.36	-2.12	8.45e-05	0.0	-2.07e-04
5174	80	0.23	-0.99	-2.34	7.16e-05	0.0	8.26e-05
5174	88	0.20	-1.38	-2.18	6.92e-05	0.0	1.47e-04

5174	98	0.18	-0.27	-1.90	5.41e-05	0.0	-1.41e-05
5174	105	0.17	-0.48	-1.86	5.40e-05	0.0	1.81e-05
5174	107	0.16	-0.26	-1.82	5.18e-05	0.0	-1.41e-05
5174	108	8.21	4.53	-0.97	-1.37e-04	0.0	-5.32e-04
5174	127	-5.50	-9.12	-3.48	4.63e-04	0.0	-6.21e-05
5174	139	2.14	-9.85	-3.42	4.81e-04	0.0	4.82e-04
5174	140	9.22	5.13	-0.87	-1.60e-04	0.0	-5.97e-04
5174	159	-6.20	-10.23	-3.69	5.14e-04	0.0	-6.83e-05
5174	171	2.39	-11.06	-3.63	5.35e-04	0.0	5.46e-04
5174	172	8.79	5.04	-0.87	-1.56e-04	0.0	-5.85e-04
5174	191	-5.94	-10.04	-3.66	5.05e-04	0.0	-6.62e-05
5174	203	2.41	-10.96	-3.61	5.29e-04	0.0	5.46e-04
5174	204	10.05	5.90	-0.71	-1.89e-04	0.0	-6.77e-04
5174	223	-6.86	-11.60	-3.95	5.78e-04	0.0	-7.68e-05
5174	235	2.77	-12.76	-3.91	6.09e-04	0.0	6.50e-04
5175	4	0.38	0.49	-2.99	1.72e-04	0.0	-1.86e-04
5175	28	0.38	-1.50	-3.31	8.65e-05	0.0	6.22e-05
5175	44	0.32	-2.09	-3.07	6.74e-05	0.0	1.18e-04
5175	68	0.26	0.31	-2.12	1.18e-04	0.0	-1.25e-04
5175	80	0.26	-1.02	-2.34	6.16e-05	0.0	3.98e-05
5175	88	0.22	-1.41	-2.18	4.89e-05	0.0	7.71e-05
5175	98	0.20	-0.30	-1.90	5.83e-05	0.0	-1.46e-05
5175	105	0.19	-0.51	-1.86	5.31e-05	0.0	4.00e-06
5175	107	0.19	-0.29	-1.82	5.58e-05	0.0	-1.44e-05
5175	108	8.27	4.59	-0.97	-1.17e-04	0.0	-5.16e-04
5175	127	-5.50	-9.35	-3.48	4.45e-04	0.0	-6.44e-05
5175	139	2.16	-10.08	-3.42	4.50e-04	0.0	4.26e-04
5175	140	9.28	5.21	-0.87	-1.39e-04	0.0	-5.79e-04
5175	159	-6.20	-10.48	-3.69	4.93e-04	0.0	-7.11e-05
5175	171	2.42	-11.31	-3.62	4.99e-04	0.0	4.82e-04
5175	172	8.85	5.11	-0.87	-1.35e-04	0.0	-5.67e-04
5175	191	-5.94	-10.28	-3.66	4.85e-04	0.0	-7.16e-05
5175	203	2.43	-11.21	-3.61	4.94e-04	0.0	4.84e-04
5175	204	10.12	5.99	-0.71	-1.66e-04	0.0	-6.58e-04
5175	223	-6.86	-11.88	-3.95	5.54e-04	0.0	-8.41e-05
5175	235	2.80	-13.05	-3.90	5.67e-04	0.0	5.77e-04
5176	4	0.43	0.38	-2.99	4.44e-04	4.34e-06	-2.97e-05
5176	28	0.42	-1.54	-3.32	5.49e-04	-4.05e-06	-3.20e-05
5176	44	0.36	-2.11	-3.07	5.31e-04	-1.52e-05	-2.96e-05
5176	68	0.29	0.23	-2.12	3.22e-04	-3.91e-06	-2.15e-05
5176	80	0.29	-1.05	-2.34	3.92e-04	-9.51e-06	-2.30e-05
5176	88	0.25	-1.43	-2.18	3.80e-04	-1.70e-05	-2.14e-05
5176	98	0.23	-0.33	-1.90	3.21e-04	-2.31e-05	-2.00e-05
5176	105	0.21	-0.53	-1.86	3.21e-04	-2.58e-05	-1.95e-05
5176	107	0.21	-0.32	-1.82	3.09e-04	-2.50e-05	-1.93e-05
5176	108	8.33	4.65	-0.97	2.77e-05	3.33e-04	-4.97e-04
5176	127	-5.49	-9.56	-3.48	8.75e-04	-2.92e-04	-8.30e-05
5176	139	2.19	-10.30	-3.42	8.81e-04	-2.06e-04	3.71e-04
5176	140	9.34	5.27	-0.87	-7.56e-06	3.78e-04	-5.57e-04
5176	159	-6.20	-10.71	-3.69	9.45e-04	-3.25e-04	-9.16e-05
5176	171	2.44	-11.55	-3.62	9.53e-04	-2.28e-04	4.21e-04
5176	172	8.91	5.17	-0.87	-4.23e-06	3.65e-04	-5.47e-04
5176	191	-5.94	-10.52	-3.66	9.34e-04	-3.17e-04	-9.44e-05
5176	203	2.46	-11.45	-3.60	9.46e-04	-2.19e-04	4.22e-04
5176	204	10.19	6.06	-0.71	-5.67e-05	4.26e-04	-6.34e-04
5176	223	-6.86	-12.15	-3.96	1.03e-03	-3.63e-04	-1.11e-04
5176	235	2.83	-13.32	-3.90	1.05e-03	-2.49e-04	5.06e-04
5177	4	0.26	2.25	-2.66	1.68e-03	0.0	2.64e-04
5177	19	0.06	4.27	-1.00	2.72e-03	0.0	4.63e-04
5177	28	0.26	-2.18	-3.00	-7.19e-04	0.0	-1.62e-04
5177	68	0.18	1.49	-1.91	1.12e-03	0.0	1.75e-04
5177	72	0.06	2.79	-1.15	1.82e-03	0.0	3.06e-04
5177	80	0.17	-1.46	-2.14	-4.78e-04	0.0	-1.09e-04
5177	98	0.12	-0.22	-1.77	3.60e-05	0.0	-1.26e-05
5177	105	0.11	-0.61	-1.75	-1.40e-04	0.0	-4.36e-05
5177	107	0.11	-0.21	-1.71	3.41e-05	0.0	-1.21e-05
5177	108	8.17	7.20	-0.47	1.29e-04	3.42e-06	-4.88e-04
5177	127	-5.56	-9.96	-3.56	3.36e-05	-4.52e-06	-7.03e-05
5177	139	2.09	-11.58	-3.47	-7.89e-05	-3.78e-06	3.79e-04
5177	140	9.18	8.13	-0.31	1.41e-04	3.85e-06	-5.48e-04
5177	159	-6.26	-11.17	-3.79	3.34e-05	-5.08e-06	-7.82e-05
5177	171	2.34	-13.01	-3.69	-9.32e-05	-6.05e-06	4.29e-04
5177	172	8.75	7.97	-0.32	1.38e-04	3.72e-06	-5.38e-04
5177	191	-6.00	-10.91	-3.75	3.16e-05	-4.94e-06	-8.10e-05
5177	203	2.36	-12.95	-3.68	-9.38e-05	-6.01e-06	4.31e-04

5177	204	10.01	9.30	-0.08	1.55e-04	4.30e-06	-6.24e-04
5177	227	-6.11	-12.79	-4.09	1.03e-04	-4.06e-06	-7.34e-05
5177	235	2.72	-15.14	-4.02	-1.16e-04	-7.01e-06	5.14e-04
5178	4	0.35	1.19	-2.34	1.31e-03	-3.90e-06	2.56e-04
5178	19	0.10	2.51	-0.83	2.10e-03	-6.49e-06	4.50e-04
5178	28	0.34	-1.67	-2.68	-5.39e-04	1.94e-06	-1.57e-04
5178	68	0.24	0.78	-1.68	8.77e-04	-2.60e-06	1.69e-04
5178	80	0.23	-1.13	-1.91	-3.57e-04	1.29e-06	-1.06e-04
5178	88	0.20	-1.65	-1.82	-6.30e-04	2.16e-06	-1.66e-04
5178	98	0.18	-0.23	-1.56	3.39e-05	0.0	-1.24e-05
5178	105	0.17	-0.50	-1.54	-1.01e-04	0.0	-4.26e-05
5178	107	0.17	-0.21	-1.50	3.20e-05	0.0	-1.20e-05
5178	108	8.25	7.75	-0.21	8.78e-05	-4.44e-06	-4.37e-04
5178	127	-5.52	-10.04	-3.33	5.14e-05	4.73e-06	-1.05e-04
5178	139	2.14	-11.79	-3.31	-3.51e-05	7.05e-06	3.37e-04
5178	140	9.26	8.75	-0.05	9.47e-05	-4.99e-06	-4.90e-04
5178	159	-6.23	-11.26	-3.55	5.38e-05	5.31e-06	-1.17e-04
5178	171	2.39	-13.25	-3.54	-4.36e-05	7.93e-06	3.82e-04
5178	172	8.84	8.57	-0.05	9.25e-05	-4.81e-06	-4.81e-04
5178	203	2.41	-13.20	-3.54	-4.37e-05	7.82e-06	3.81e-04
5178	204	10.11	10.01	0.19	1.02e-04	-5.55e-06	-5.59e-04
5178	235	2.78	-15.45	-3.89	-5.71e-05	9.13e-06	4.55e-04
5179	4	0.35	1.31	-2.51	1.56e-03	0.0	1.87e-04
5179	19	0.10	2.73	-0.93	2.51e-03	0.0	3.37e-04
5179	28	0.34	-1.75	-2.85	-6.59e-04	0.0	-1.25e-04
5179	68	0.24	0.86	-1.81	1.04e-03	0.0	1.24e-04
5179	72	0.11	1.77	-1.07	1.68e-03	0.0	2.21e-04
5179	80	0.23	-1.18	-2.04	-4.38e-04	0.0	-8.43e-05
5179	98	0.18	-0.23	-1.67	3.46e-05	0.0	-1.32e-05
5179	105	0.17	-0.52	-1.65	-1.28e-04	0.0	-3.59e-05
5179	107	0.17	-0.22	-1.62	3.27e-05	0.0	-1.27e-05
5179	108	8.25	7.45	-0.35	1.44e-04	0.0	-4.68e-04
5179	127	-5.52	-10.01	-3.45	-2.73e-05	0.0	-8.57e-05
5179	139	2.14	-11.67	-3.40	-8.80e-05	0.0	3.54e-04
5179	140	9.26	8.41	-0.19	1.58e-04	0.0	-5.25e-04
5179	159	-6.23	-11.23	-3.68	-3.46e-05	0.0	-9.55e-05
5179	171	2.39	-13.11	-3.63	-1.03e-04	0.0	4.02e-04
5179	172	8.84	8.24	-0.19	1.53e-04	0.0	-5.15e-04
5179	195	-5.27	-11.09	-3.65	3.19e-05	0.0	-8.37e-05
5179	203	2.41	-13.06	-3.62	-1.04e-04	0.0	4.02e-04
5179	204	10.11	9.63	0.05	1.72e-04	0.0	-5.98e-04
5179	227	-6.08	-12.88	-3.98	3.18e-05	0.0	-9.34e-05
5179	235	2.78	-15.28	-3.97	-1.28e-04	0.0	4.81e-04
5180	4	0.30	1.04	-3.06	4.51e-04	0.0	1.25e-03
5180	28	0.30	-1.63	-3.38	-5.51e-05	0.0	-6.41e-04
5180	44	0.25	-2.37	-3.13	-1.68e-04	0.0	-1.06e-03
5180	68	0.20	0.68	-2.17	3.04e-04	0.0	8.32e-04
5180	80	0.20	-1.10	-2.39	-3.32e-05	0.0	-4.28e-04
5180	88	0.17	-1.60	-2.23	-1.08e-04	0.0	-7.07e-04
5180	98	0.15	-0.26	-1.95	5.65e-05	0.0	-7.59e-06
5180	105	0.14	-0.51	-1.90	2.02e-05	0.0	-1.47e-04
5180	107	0.14	-0.24	-1.87	5.40e-05	0.0	-7.44e-06
5180	108	8.13	4.10	-1.14	-8.31e-05	0.0	-3.10e-04
5180	135	1.54	-9.54	-3.46	3.63e-04	0.0	-3.32e-04
5180	139	2.10	-9.56	-3.46	3.65e-04	0.0	-3.24e-04
5180	140	9.13	4.64	-1.05	-1.00e-04	0.0	-3.48e-04
5180	171	2.35	-10.73	-3.66	4.04e-04	0.0	-3.62e-04
5180	172	8.70	4.56	-1.06	-9.64e-05	0.0	-3.41e-04
5180	203	2.37	-10.62	-3.64	4.00e-04	0.0	-3.42e-04
5180	204	9.95	5.35	-0.93	-1.20e-04	0.0	-3.97e-04
5180	235	2.73	-12.36	-3.94	4.57e-04	0.0	-3.85e-04
5181	4	0.35	1.40	-2.66	1.72e-03	0.0	1.72e-04
5181	19	0.10	2.90	-1.00	2.79e-03	0.0	3.12e-04
5181	28	0.34	-1.82	-3.00	-7.39e-04	0.0	-1.18e-04
5181	68	0.24	0.92	-1.91	1.15e-03	0.0	1.13e-04
5181	72	0.11	1.87	-1.15	1.87e-03	0.0	2.04e-04
5181	80	0.24	-1.22	-2.14	-4.91e-04	0.0	-8.01e-05
5181	98	0.18	-0.24	-1.77	3.59e-05	0.0	-1.38e-05
5181	105	0.17	-0.54	-1.75	-1.45e-04	0.0	-3.48e-05
5181	107	0.17	-0.23	-1.71	3.40e-05	0.0	-1.33e-05
5181	108	8.25	7.13	-0.47	1.55e-04	2.64e-06	-4.85e-04
5181	127	-5.52	-9.96	-3.56	-3.26e-05	-3.51e-06	-7.72e-05
5181	139	2.14	-11.52	-3.47	-9.15e-05	-4.12e-06	3.70e-04
5181	140	9.26	8.05	-0.31	1.70e-04	2.97e-06	-5.44e-04
5181	159	-6.23	-11.17	-3.79	-4.08e-05	-3.95e-06	-8.58e-05

5181	171	2.40	-12.94	-3.69	-1.07e-04	-4.64e-06	4.20e-04
5181	172	8.84	7.89	-0.32	1.65e-04	2.87e-06	-5.34e-04
5181	191	-5.96	-10.91	-3.75	-3.59e-05	-3.84e-06	-8.88e-05
5181	203	2.41	-12.89	-3.68	-1.08e-04	-4.61e-06	4.21e-04
5181	204	10.11	9.22	-0.08	1.85e-04	3.32e-06	-6.19e-04
5181	227	-6.07	-12.80	-4.09	3.09e-05	-3.17e-06	-8.17e-05
5181	235	2.78	-15.06	-4.02	-1.32e-04	-5.37e-06	5.04e-04
5182	4	0.32	2.51	-3.28	1.43e-03	-2.88e-06	6.87e-04
5182	19	0.07	4.79	-1.21	2.26e-03	-4.81e-06	1.16e-03
5182	28	0.32	-2.40	-3.60	-5.46e-04	1.45e-06	-3.66e-04
5182	68	0.22	1.66	-2.34	9.57e-04	-1.92e-06	4.57e-04
5182	72	0.08	3.12	-1.38	1.52e-03	-3.20e-06	7.72e-04
5182	80	0.21	-1.62	-2.56	-3.60e-04	0.0	-2.45e-04
5182	98	0.16	-0.27	-2.11	5.57e-05	0.0	-9.98e-06
5182	105	0.15	-0.69	-2.07	-8.95e-05	0.0	-8.75e-05
5182	107	0.15	-0.26	-2.03	5.32e-05	0.0	-9.69e-06
5182	108	8.16	3.58	-1.36	6.48e-05	-2.34e-06	-4.26e-04
5182	127	-5.50	-9.41	-3.66	-4.60e-06	4.87e-06	-1.88e-04
5182	139	2.11	-9.76	-3.57	-1.72e-05	5.31e-06	-8.08e-05
5182	140	9.17	4.06	-1.27	6.62e-05	-2.63e-06	-4.78e-04
5182	159	-6.20	-10.55	-3.86	-1.17e-05	5.47e-06	-2.11e-04
5182	171	2.37	-10.95	-3.76	-2.59e-05	5.98e-06	-8.89e-05
5182	172	8.74	3.99	-1.28	6.60e-05	-2.56e-06	-4.69e-04
5182	191	-5.94	-10.37	-3.83	-9.12e-06	5.35e-06	-2.15e-04
5182	203	2.39	-10.83	-3.74	-2.37e-05	5.89e-06	-7.73e-05
5182	204	9.99	4.68	-1.15	6.81e-05	-2.96e-06	-5.44e-04
5182	223	-6.85	-12.00	-4.12	-1.88e-05	6.20e-06	-2.54e-04
5182	235	2.75	-12.57	-4.02	-3.58e-05	6.86e-06	-8.12e-05
5183	4	0.78	0.90	-3.13	4.10e-04	0.0	4.48e-04
5183	28	0.80	-2.58	-2.80	-6.08e-04	0.0	-8.42e-04
5183	44	0.71	-3.87	-2.38	-1.08e-03	0.0	-1.42e-03
5183	68	0.55	0.58	-2.22	2.77e-04	0.0	2.99e-04
5183	80	0.57	-1.74	-2.00	-4.02e-04	0.0	-5.60e-04
5183	88	0.51	-2.60	-1.72	-7.17e-04	0.0	-9.45e-04
5183	98	0.48	-0.33	-1.82	4.99e-05	0.0	1.12e-05
5183	105	0.46	-0.77	-1.72	-1.07e-04	0.0	-1.81e-04
5183	107	0.46	-0.32	-1.75	4.79e-05	0.0	1.05e-05
5183	112	14.42	-1.04	-2.57	-6.10e-05	0.0	-5.13e-04
5183	124	0.07	7.93	-3.61	-1.43e-04	0.0	2.33e-04
5183	129	8.26	-10.50	-0.11	2.26e-04	0.0	-5.77e-04
5183	144	16.20	-1.14	-2.68	-7.47e-05	0.0	-5.80e-04
5183	156	6.98e-03	8.96	-3.84	-1.66e-04	0.0	2.62e-04
5183	161	9.28	-11.78	0.10	2.48e-04	0.0	-6.52e-04
5183	176	16.32	-1.14	-2.64	-7.36e-05	0.0	-5.69e-04
5183	188	-0.07	8.88	-3.80	-1.63e-04	0.0	2.66e-04
5183	193	9.55	-11.69	0.08	2.45e-04	0.0	-6.52e-04
5183	216	19.38	-1.71	-2.64	-2.38e-05	0.0	-7.37e-04
5183	220	-0.22	10.40	-4.13	-1.98e-04	0.0	3.13e-04
5183	225	11.37	-13.61	0.38	2.77e-04	0.0	-7.73e-04
5184	4	0.30	1.55	-3.13	7.90e-04	0.0	1.12e-03
5184	19	0.07	3.17	-1.11	1.19e-03	0.0	1.88e-03
5184	28	0.30	-1.90	-3.45	-2.23e-04	0.0	-5.79e-04
5184	68	0.21	1.02	-2.23	5.30e-04	0.0	7.44e-04
5184	72	0.08	2.05	-1.27	8.08e-04	0.0	1.25e-03
5184	80	0.20	-1.28	-2.45	-1.45e-04	0.0	-3.87e-04
5184	98	0.15	-0.26	-2.00	5.69e-05	0.0	-9.13e-06
5184	105	0.14	-0.57	-1.96	-1.70e-05	0.0	-1.34e-04
5184	107	0.14	-0.25	-1.92	5.44e-05	0.0	-8.89e-06
5184	108	8.14	3.97	-1.22	-2.19e-05	0.0	-3.36e-04
5184	135	1.54	-9.65	-3.50	2.16e-04	0.0	-2.74e-04
5184	139	2.10	-9.67	-3.50	2.18e-04	0.0	-2.66e-04
5184	140	9.14	4.50	-1.13	-3.14e-05	0.0	-3.78e-04
5184	167	1.71	-10.83	-3.70	2.36e-04	0.0	-3.06e-04
5184	171	2.35	-10.85	-3.70	2.38e-04	0.0	-2.96e-04
5184	172	8.71	4.42	-1.14	-2.95e-05	0.0	-3.70e-04
5184	203	2.37	-10.74	-3.68	2.37e-04	0.0	-2.78e-04
5184	204	9.97	5.18	-1.01	-4.29e-05	0.0	-4.30e-04
5184	235	2.74	-12.48	-3.97	2.68e-04	0.0	-3.11e-04
5185	4	0.79	1.17	-3.13	5.87e-04	0.0	3.84e-04
5185	28	0.81	-3.07	-2.79	-9.40e-04	0.0	-7.06e-04
5185	44	0.73	-4.70	-2.37	-1.64e-03	0.0	-1.19e-03
5185	68	0.56	0.76	-2.22	3.95e-04	0.0	2.57e-04
5185	80	0.58	-2.07	-2.00	-6.23e-04	0.0	-4.70e-04
5185	88	0.52	-3.16	-1.72	-1.09e-03	0.0	-7.95e-04
5185	98	0.49	-0.32	-1.83	5.51e-05	0.0	1.29e-05

5185	105	0.47	-0.87	-1.73	-1.77e-04	0.0	-1.49e-04
5185	107	0.47	-0.31	-1.76	5.29e-05	0.0	1.21e-05
5185	112	14.45	-1.36	-2.59	-4.27e-05	0.0	-6.11e-04
5185	124	0.08	8.02	-3.65	-4.71e-05	0.0	1.64e-04
5185	129	8.27	-10.79	-0.09	1.45e-04	0.0	-4.84e-04
5185	144	16.23	-1.50	-2.69	-5.48e-05	0.0	-6.90e-04
5185	156	0.02	9.07	-3.89	-5.96e-05	0.0	1.84e-04
5185	161	9.30	-12.11	0.12	1.56e-04	0.0	-5.47e-04
5185	176	16.35	-1.50	-2.65	-5.43e-05	0.0	-6.75e-04
5185	188	-0.06	8.99	-3.85	-5.78e-05	0.0	1.88e-04
5185	193	9.57	-12.02	0.11	1.54e-04	0.0	-5.48e-04
5185	216	19.41	-2.18	-2.66	3.07e-05	0.0	-8.64e-04
5185	220	-0.21	10.53	-4.19	-7.59e-05	0.0	2.22e-04
5185	225	11.39	-14.01	0.42	1.70e-04	0.0	-6.52e-04
5186	4	0.81	1.39	-3.10	7.16e-04	0.0	2.99e-04
5186	28	0.83	-3.47	-2.75	-1.17e-03	0.0	-5.36e-04
5186	44	0.74	-5.37	-2.34	-2.03e-03	0.0	-9.10e-04
5186	68	0.58	0.90	-2.21	4.81e-04	0.0	2.00e-04
5186	80	0.59	-2.34	-1.97	-7.77e-04	0.0	-3.56e-04
5186	88	0.53	-3.60	-1.70	-1.35e-03	0.0	-6.06e-04
5186	98	0.50	-0.31	-1.82	6.10e-05	0.0	1.31e-05
5186	105	0.48	-0.95	-1.72	-2.25e-04	0.0	-1.11e-04
5186	107	0.48	-0.30	-1.76	5.86e-05	0.0	1.24e-05
5186	112	14.46	-1.68	-2.61	-2.00e-05	0.0	-5.69e-04
5186	124	0.09	8.06	-3.69	-2.59e-06	0.0	9.48e-05
5186	129	8.29	-11.01	-0.06	1.16e-04	0.0	-3.91e-04
5186	144	16.24	-1.86	-2.71	-2.99e-05	0.0	-6.43e-04
5186	156	0.03	9.11	-3.93	-1.02e-05	0.0	1.06e-04
5186	161	9.32	-12.36	0.16	1.23e-04	0.0	-4.43e-04
5186	176	16.37	-1.84	-2.67	-2.94e-05	0.0	-6.31e-04
5186	188	-0.05	9.04	-3.89	-8.85e-06	0.0	1.08e-04
5186	193	9.58	-12.28	0.14	1.20e-04	0.0	-4.44e-04
5186	216	19.43	-2.63	-2.71	5.04e-05	0.0	-8.17e-04
5186	220	-0.20	10.60	-4.23	-1.98e-05	0.0	1.28e-04
5186	225	11.41	-14.32	0.45	1.29e-04	0.0	-5.29e-04
5187	4	0.33	2.86	-3.34	1.66e-03	0.0	4.21e-04
5187	19	0.08	5.38	-1.26	2.64e-03	0.0	7.20e-04
5187	28	0.33	-2.59	-3.67	-6.61e-04	0.0	-2.33e-04
5187	68	0.22	1.89	-2.39	1.11e-03	0.0	2.80e-04
5187	72	0.09	3.51	-1.42	1.78e-03	0.0	4.77e-04
5187	80	0.22	-1.74	-2.61	-4.37e-04	0.0	-1.56e-04
5187	98	0.17	-0.28	-2.16	5.54e-05	0.0	-9.78e-06
5187	105	0.16	-0.73	-2.12	-1.15e-04	0.0	-5.78e-05
5187	107	0.16	-0.26	-2.08	5.29e-05	0.0	-9.49e-06
5187	108	8.17	3.30	-1.39	6.77e-05	0.0	-4.72e-04
5187	127	-5.49	-9.43	-3.74	-4.65e-05	0.0	-8.78e-05
5187	139	2.12	-9.69	-3.60	-6.49e-05	0.0	3.63e-04
5187	140	9.17	3.74	-1.31	6.95e-05	0.0	-5.31e-04
5187	159	-6.19	-10.58	-3.95	-5.88e-05	0.0	-9.83e-05
5187	171	2.37	-10.87	-3.79	-7.96e-05	0.0	4.11e-04
5187	172	8.74	3.67	-1.32	6.93e-05	0.0	-5.21e-04
5187	191	-5.93	-10.41	-3.92	-5.53e-05	0.0	-1.02e-04
5187	203	2.39	-10.74	-3.76	-7.70e-05	0.0	4.11e-04
5187	204	10.00	4.32	-1.19	7.20e-05	0.0	-6.04e-04
5187	223	-6.84	-12.05	-4.21	-7.23e-05	0.0	-1.21e-04
5187	235	2.76	-12.46	-4.04	-9.80e-05	0.0	4.91e-04
5188	4	0.31	2.00	-3.20	1.08e-03	3.27e-06	9.53e-04
5188	19	0.07	3.92	-1.15	1.68e-03	5.45e-06	1.61e-03
5188	28	0.31	-2.13	-3.52	-3.71e-04	-1.64e-06	-4.99e-04
5188	68	0.21	1.31	-2.28	7.27e-04	2.18e-06	6.35e-04
5188	72	0.08	2.54	-1.32	1.14e-03	3.63e-06	1.07e-03
5188	80	0.21	-1.43	-2.50	-2.44e-04	-1.09e-06	-3.33e-04
5188	98	0.15	-0.26	-2.05	5.65e-05	0.0	-9.82e-06
5188	105	0.14	-0.62	-2.01	-5.02e-05	0.0	-1.17e-04
5188	107	0.14	-0.25	-1.97	5.39e-05	0.0	-9.54e-06
5188	108	8.15	3.83	-1.28	2.48e-05	0.0	-3.71e-04
5188	127	-5.50	-9.29	-3.57	1.06e-04	-6.70e-06	-3.10e-04
5188	139	2.11	-9.74	-3.53	1.06e-04	-8.18e-06	-1.89e-04
5188	140	9.15	4.34	-1.20	2.12e-05	0.0	-4.16e-04
5188	159	-6.20	-10.41	-3.77	1.12e-04	-7.53e-06	-3.48e-04
5188	171	2.36	-10.93	-3.73	1.12e-04	-9.20e-06	-2.10e-04
5188	172	8.72	4.26	-1.20	2.19e-05	0.0	-4.08e-04
5188	191	-5.94	-10.23	-3.74	1.12e-04	-7.37e-06	-3.50e-04
5188	203	2.38	-10.81	-3.71	1.12e-04	-9.05e-06	-1.94e-04
5188	204	9.98	5.00	-1.07	1.67e-05	1.09e-06	-4.74e-04

5188	223	-6.85	-11.84	-4.02	1.21e-04	-8.55e-06	-4.11e-04
5188	235	2.74	-12.56	-3.99	1.23e-04	-1.05e-05	-2.14e-04
5189	4	0.35	0.82	-3.06	4.50e-04	0.0	8.58e-04
5189	28	0.35	-1.61	-3.38	-5.35e-05	0.0	-4.53e-04
5189	44	0.30	-2.29	-3.13	-1.66e-04	0.0	-7.43e-04
5189	68	0.24	0.53	-2.18	3.04e-04	0.0	5.71e-04
5189	80	0.24	-1.09	-2.39	-3.21e-05	0.0	-3.03e-04
5189	88	0.20	-1.55	-2.23	-1.07e-04	0.0	-4.96e-04
5189	98	0.18	-0.28	-1.95	5.70e-05	0.0	-1.05e-05
5189	105	0.17	-0.52	-1.90	2.08e-05	0.0	-1.07e-04
5189	107	0.17	-0.27	-1.87	5.45e-05	0.0	-1.02e-05
5189	108	8.21	4.14	-1.14	-8.13e-05	0.0	-3.78e-04
5189	135	1.58	-9.72	-3.46	3.60e-04	0.0	-1.87e-04
5189	139	2.14	-9.74	-3.46	3.62e-04	0.0	-1.79e-04
5189	140	9.22	4.69	-1.05	-9.82e-05	0.0	-4.24e-04
5189	171	2.39	-10.93	-3.66	4.01e-04	0.0	-1.99e-04
5189	172	8.79	4.61	-1.06	-9.45e-05	0.0	-4.16e-04
5189	203	2.41	-10.82	-3.64	3.97e-04	0.0	-1.83e-04
5189	204	10.05	5.40	-0.93	-1.18e-04	0.0	-4.83e-04
5189	235	2.77	-12.58	-3.94	4.54e-04	0.0	-2.01e-04
5190	4	0.39	0.60	-3.06	4.61e-04	0.0	4.37e-04
5190	28	0.38	-1.58	-3.38	-5.51e-05	0.0	-2.43e-04
5190	44	0.33	-2.21	-3.14	-1.71e-04	0.0	-3.92e-04
5190	68	0.27	0.38	-2.18	3.11e-04	0.0	2.90e-04
5190	80	0.26	-1.07	-2.39	-3.30e-05	0.0	-1.63e-04
5190	88	0.23	-1.49	-2.23	-1.10e-04	0.0	-2.62e-04
5190	98	0.21	-0.31	-1.95	5.86e-05	0.0	-1.05e-05
5190	105	0.19	-0.53	-1.90	2.14e-05	0.0	-6.03e-05
5190	107	0.19	-0.30	-1.87	5.60e-05	0.0	-1.02e-05
5190	108	8.27	4.18	-1.14	-7.60e-05	0.0	-4.44e-04
5190	135	1.60	-9.90	-3.47	3.53e-04	0.0	-7.24e-05
5190	139	2.17	-9.92	-3.47	3.55e-04	0.0	-6.46e-05
5190	140	9.28	4.74	-1.05	-9.25e-05	0.0	-4.98e-04
5190	171	2.42	-11.12	-3.67	3.92e-04	0.0	-7.08e-05
5190	172	8.85	4.65	-1.06	-8.90e-05	0.0	-4.88e-04
5190	203	2.44	-11.02	-3.65	3.88e-04	0.0	-6.06e-05
5190	204	10.12	5.46	-0.93	-1.12e-04	0.0	-5.66e-04
5190	235	2.80	-12.80	-3.94	4.44e-04	0.0	-6.24e-05
5191	4	0.43	0.36	-3.06	4.55e-04	1.63e-04	-6.55e-06
5191	28	0.42	-1.55	-3.38	5.59e-04	1.65e-04	-8.34e-06
5191	44	0.36	-2.12	-3.14	5.40e-04	1.63e-04	-7.83e-06
5191	68	0.29	0.22	-2.18	3.29e-04	1.25e-04	-4.86e-06
5191	80	0.29	-1.06	-2.39	3.99e-04	1.26e-04	-6.05e-06
5191	88	0.25	-1.44	-2.23	3.86e-04	1.25e-04	-5.71e-06
5191	98	0.23	-0.34	-1.95	3.28e-04	1.27e-04	-5.20e-06
5191	105	0.22	-0.54	-1.90	3.28e-04	1.27e-04	-5.09e-06
5191	107	0.22	-0.33	-1.87	3.16e-04	1.26e-04	-5.07e-06
5191	108	8.33	4.21	-1.14	5.27e-05	5.60e-06	-4.91e-04
5191	135	1.62	-10.07	-3.47	8.79e-04	1.13e-04	3.87e-04
5191	139	2.19	-10.09	-3.47	8.79e-04	5.31e-05	3.95e-04
5191	140	9.34	4.78	-1.05	1.97e-05	-9.43e-06	-5.52e-04
5191	171	2.45	-11.32	-3.67	9.49e-04	4.41e-05	4.47e-04
5191	172	8.91	4.69	-1.06	2.27e-05	-1.89e-06	-5.42e-04
5191	203	2.46	-11.21	-3.65	9.42e-04	4.86e-05	4.49e-04
5191	204	10.19	5.51	-0.93	-2.65e-05	-2.02e-05	-6.30e-04
5191	235	2.83	-13.02	-3.94	1.05e-03	3.63e-05	5.35e-04
5192	4	0.35	1.16	-3.13	7.87e-04	0.0	7.72e-04
5192	28	0.35	-1.79	-3.45	-2.22e-04	0.0	-4.08e-04
5192	44	0.30	-2.59	-3.21	-4.46e-04	0.0	-6.69e-04
5192	68	0.24	0.76	-2.23	5.28e-04	0.0	5.13e-04
5192	80	0.24	-1.21	-2.45	-1.44e-04	0.0	-2.73e-04
5192	88	0.21	-1.74	-2.28	-2.94e-04	0.0	-4.47e-04
5192	98	0.18	-0.29	-2.00	5.70e-05	0.0	-9.96e-06
5192	105	0.17	-0.56	-1.96	-1.66e-05	0.0	-9.69e-05
5192	107	0.17	-0.27	-1.92	5.44e-05	0.0	-9.66e-06
5192	108	8.21	3.98	-1.22	-2.08e-05	0.0	-3.92e-04
5192	135	1.58	-9.76	-3.50	2.13e-04	0.0	-1.56e-04
5192	139	2.14	-9.77	-3.50	2.15e-04	0.0	-1.48e-04
5192	140	9.22	4.52	-1.13	-3.02e-05	0.0	-4.40e-04
5192	167	1.75	-10.95	-3.70	2.33e-04	0.0	-1.74e-04
5192	171	2.39	-10.97	-3.70	2.36e-04	0.0	-1.64e-04
5192	172	8.79	4.43	-1.14	-2.83e-05	0.0	-4.31e-04
5192	203	2.41	-10.85	-3.68	2.34e-04	0.0	-1.49e-04
5192	204	10.05	5.20	-1.01	-4.16e-05	0.0	-5.01e-04
5192	235	2.78	-12.61	-3.97	2.65e-04	0.0	-1.63e-04

5193	4	0.39	0.77	-3.13	7.97e-04	0.0	3.92e-04
5193	28	0.38	-1.68	-3.45	-2.27e-04	0.0	-2.17e-04
5193	44	0.33	-2.36	-3.21	-4.55e-04	0.0	-3.51e-04
5193	68	0.27	0.49	-2.23	5.35e-04	0.0	2.60e-04
5193	80	0.26	-1.14	-2.45	-1.48e-04	0.0	-1.46e-04
5193	88	0.23	-1.60	-2.28	-3.00e-04	0.0	-2.35e-04
5193	98	0.21	-0.32	-2.00	5.70e-05	0.0	-9.42e-06
5193	105	0.19	-0.55	-1.96	-1.78e-05	0.0	-5.41e-05
5193	107	0.19	-0.30	-1.92	5.44e-05	0.0	-9.13e-06
5193	108	8.27	3.99	-1.22	-1.84e-05	0.0	-4.49e-04
5193	135	1.60	-9.86	-3.50	2.07e-04	0.0	-6.47e-05
5193	139	2.17	-9.88	-3.50	2.09e-04	0.0	-5.70e-05
5193	140	9.28	4.53	-1.13	-2.75e-05	0.0	-5.04e-04
5193	167	1.77	-11.06	-3.70	2.26e-04	0.0	-7.17e-05
5193	171	2.42	-11.08	-3.70	2.29e-04	0.0	-6.24e-05
5193	172	8.85	4.45	-1.14	-2.57e-05	0.0	-4.94e-04
5193	203	2.44	-10.97	-3.68	2.28e-04	0.0	-5.31e-05
5193	204	10.12	5.22	-1.01	-3.85e-05	0.0	-5.74e-04
5193	235	2.80	-12.74	-3.97	2.57e-04	0.0	-5.44e-05
5194	4	0.43	0.36	-3.13	4.55e-04	1.56e-04	-6.56e-06
5194	28	0.42	-1.56	-3.45	5.59e-04	1.58e-04	-1.11e-05
5194	44	0.36	-2.13	-3.21	5.41e-04	1.56e-04	-1.11e-05
5194	68	0.29	0.22	-2.23	3.30e-04	1.20e-04	-4.97e-06
5194	80	0.29	-1.06	-2.45	3.99e-04	1.21e-04	-8.01e-06
5194	88	0.25	-1.44	-2.28	3.87e-04	1.20e-04	-7.98e-06
5194	98	0.23	-0.35	-2.00	3.28e-04	1.21e-04	-6.44e-06
5194	105	0.22	-0.54	-1.96	3.28e-04	1.21e-04	-6.50e-06
5194	107	0.22	-0.33	-1.92	3.16e-04	1.21e-04	-6.28e-06
5194	108	8.33	4.00	-1.22	6.21e-05	-3.17e-06	-4.92e-04
5194	135	1.63	-9.96	-3.50	8.74e-04	1.07e-04	3.85e-04
5194	139	2.19	-9.98	-3.50	8.73e-04	1.07e-04	3.93e-04
5194	140	9.34	4.54	-1.13	3.02e-05	-1.86e-05	-5.53e-04
5194	167	1.79	-11.17	-3.70	9.44e-04	1.05e-04	4.35e-04
5194	171	2.45	-11.19	-3.70	9.43e-04	1.05e-04	4.44e-04
5194	172	8.91	4.46	-1.14	3.30e-05	-1.06e-05	-5.43e-04
5194	203	2.47	-11.08	-3.68	9.36e-04	1.06e-04	4.46e-04
5194	204	10.19	5.24	-1.01	-1.44e-05	-2.93e-05	-6.31e-04
5194	235	2.83	-12.87	-3.97	1.04e-03	1.04e-04	5.32e-04
5195	4	0.36	1.46	-3.20	1.08e-03	4.34e-06	6.59e-04
5195	19	0.10	3.08	-1.15	1.68e-03	7.25e-06	1.12e-03
5195	28	0.35	-1.94	-3.52	-3.71e-04	-2.18e-06	-3.51e-04
5195	68	0.24	0.95	-2.28	7.25e-04	2.89e-06	4.39e-04
5195	72	0.11	1.98	-1.32	1.13e-03	4.83e-06	7.42e-04
5195	80	0.24	-1.31	-2.50	-2.44e-04	-1.46e-06	-2.35e-04
5195	98	0.19	-0.29	-2.05	5.65e-05	0.0	-9.70e-06
5195	105	0.17	-0.60	-2.01	-5.01e-05	0.0	-8.42e-05
5195	107	0.17	-0.28	-1.97	5.39e-05	0.0	-9.42e-06
5195	108	8.21	3.82	-1.28	2.60e-05	3.50e-06	-4.13e-04
5195	127	-5.49	-9.34	-3.57	1.03e-04	-7.69e-06	-2.21e-04
5195	139	2.14	-9.79	-3.53	1.03e-04	-8.41e-06	-1.06e-04
5195	140	9.22	4.33	-1.20	2.25e-05	3.94e-06	-4.64e-04
5195	159	-6.19	-10.47	-3.77	1.09e-04	-8.64e-06	-2.48e-04
5195	171	2.39	-10.98	-3.73	1.09e-04	-9.46e-06	-1.17e-04
5195	172	8.79	4.25	-1.20	2.31e-05	3.83e-06	-4.55e-04
5195	191	-5.92	-10.29	-3.74	1.09e-04	-8.45e-06	-2.51e-04
5195	203	2.41	-10.86	-3.71	1.09e-04	-9.31e-06	-1.04e-04
5195	204	10.05	4.99	-1.07	1.81e-05	4.44e-06	-5.28e-04
5195	223	-6.84	-11.90	-4.02	1.17e-04	-9.79e-06	-2.96e-04
5195	235	2.78	-12.62	-3.99	1.19e-04	-1.08e-05	-1.11e-04
5196	4	0.39	0.91	-3.20	1.09e-03	4.26e-06	3.35e-04
5196	28	0.39	-1.76	-3.52	-3.76e-04	-2.15e-06	-1.88e-04
5196	44	0.33	-2.49	-3.27	-7.03e-04	-3.57e-06	-3.03e-04
5196	68	0.27	0.59	-2.28	7.32e-04	2.84e-06	2.23e-04
5196	80	0.27	-1.19	-2.50	-2.47e-04	-1.43e-06	-1.26e-04
5196	88	0.23	-1.68	-2.33	-4.65e-04	-2.38e-06	-2.03e-04
5196	98	0.21	-0.32	-2.05	5.62e-05	0.0	-9.08e-06
5196	105	0.19	-0.57	-2.01	-5.15e-05	0.0	-4.75e-05
5196	107	0.19	-0.31	-1.97	5.37e-05	0.0	-8.82e-06
5196	108	8.27	3.80	-1.28	2.95e-05	3.39e-06	-4.57e-04
5196	127	-5.49	-9.39	-3.57	9.44e-05	-7.47e-06	-1.32e-04
5196	139	2.17	-9.84	-3.53	9.39e-05	-8.17e-06	3.67e-04
5196	140	9.28	4.32	-1.20	2.65e-05	3.81e-06	-5.14e-04
5196	159	-6.19	-10.52	-3.77	9.95e-05	-8.40e-06	-1.48e-04
5196	171	2.42	-11.03	-3.73	9.91e-05	-9.19e-06	4.15e-04
5196	172	8.85	4.24	-1.20	2.71e-05	3.71e-06	-5.03e-04

5196	191	-5.93	-10.34	-3.74	9.88e-05	-8.21e-06	-1.52e-04
5196	203	2.44	-10.91	-3.71	9.92e-05	-9.04e-06	4.12e-04
5196	204	10.12	4.98	-1.07	2.27e-05	4.30e-06	-5.85e-04
5196	223	-6.85	-11.96	-4.02	1.06e-04	-9.52e-06	-1.80e-04
5196	235	2.80	-12.67	-3.99	1.07e-04	-1.05e-05	4.90e-04
5197	4	0.43	0.36	-3.20	4.55e-04	1.43e-04	3.73e-06
5197	28	0.42	-1.56	-3.52	5.60e-04	1.45e-04	-1.98e-05
5197	44	0.36	-2.13	-3.27	5.41e-04	1.43e-04	-2.37e-05
5197	68	0.29	0.22	-2.28	3.30e-04	1.10e-04	1.75e-06
5197	80	0.29	-1.06	-2.50	4.00e-04	1.11e-04	-1.39e-05
5197	88	0.25	-1.44	-2.33	3.87e-04	1.10e-04	-1.65e-05
5197	98	0.23	-0.35	-2.05	3.28e-04	1.11e-04	-7.95e-06
5197	105	0.22	-0.55	-2.01	3.28e-04	1.11e-04	-9.37e-06
5197	107	0.21	-0.33	-1.97	3.16e-04	1.10e-04	-7.75e-06
5197	108	8.32	3.78	-1.28	7.12e-05	-1.54e-05	-4.91e-04
5197	127	-5.49	-9.43	-3.57	8.78e-04	2.13e-04	-7.14e-05
5197	139	2.19	-9.88	-3.53	8.68e-04	9.55e-05	3.86e-04
5197	140	9.34	4.30	-1.20	4.04e-05	-3.11e-05	-5.51e-04
5197	159	-6.20	-10.56	-3.77	9.47e-04	2.26e-04	-8.00e-05
5197	171	2.45	-11.07	-3.73	9.37e-04	9.36e-05	4.37e-04
5197	172	8.91	4.22	-1.20	4.31e-05	-2.29e-05	-5.41e-04
5197	191	-5.93	-10.38	-3.74	9.37e-04	2.21e-04	-8.27e-05
5197	203	2.47	-10.95	-3.71	9.30e-04	9.46e-05	4.39e-04
5197	204	10.19	4.96	-1.07	-2.67e-06	-4.17e-05	-6.28e-04
5197	223	-6.86	-12.00	-4.02	1.04e-03	2.39e-04	-9.92e-05
5197	235	2.83	-12.72	-3.99	1.03e-03	9.26e-05	5.23e-04
5198	4	0.27	1.60	-3.38	-1.70e-03	0.0	-1.27e-04
5198	19	0.11	3.08	-1.30	-3.00e-03	0.0	-2.12e-04
5198	28	0.27	-1.68	-3.71	1.06e-03	0.0	6.44e-05
5198	68	0.19	1.06	-2.43	-1.13e-03	0.0	-8.47e-05
5198	72	0.11	2.01	-1.46	-1.98e-03	0.0	-1.41e-04
5198	80	0.19	-1.13	-2.65	7.14e-04	0.0	4.30e-05
5198	98	0.15	-0.19	-2.20	7.40e-05	0.0	0.0
5198	105	0.15	-0.48	-2.16	2.80e-04	0.0	1.45e-05
5198	107	0.15	-0.18	-2.12	7.09e-05	0.0	0.0
5198	108	6.73	2.35	-1.31	-2.34e-04	0.0	-4.55e-04
5198	127	-4.45	-8.01	-3.90	9.97e-04	0.0	-3.84e-05
5198	135	1.30	-8.04	-3.64	1.01e-03	0.0	3.87e-04
5198	140	7.55	2.66	-1.21	-2.72e-04	0.0	-5.12e-04
5198	159	-5.02	-8.99	-4.12	1.11e-03	0.0	-4.36e-05
5198	167	1.43	-9.02	-3.83	1.12e-03	0.0	4.37e-04
5198	172	7.20	2.62	-1.24	-2.66e-04	0.0	-5.04e-04
5198	191	-4.81	-8.86	-4.08	1.09e-03	0.0	-4.37e-05
5198	199	1.41	-8.89	-3.79	1.11e-03	0.0	4.36e-04
5198	204	8.24	3.08	-1.10	-3.20e-04	0.0	-5.88e-04
5198	223	-5.55	-10.26	-4.40	1.26e-03	0.0	-5.35e-05
5198	231	1.62	-10.31	-4.06	1.27e-03	0.0	5.13e-04
5199	4	0.27	1.57	-3.40	-1.67e-03	0.0	-1.21e-04
5199	19	0.10	3.02	-1.30	-2.94e-03	0.0	-2.01e-04
5199	28	0.26	-1.67	-3.73	1.04e-03	0.0	6.11e-05
5199	68	0.19	1.03	-2.43	-1.11e-03	0.0	-8.04e-05
5199	72	0.11	1.97	-1.46	-1.94e-03	0.0	-1.34e-04
5199	80	0.19	-1.12	-2.65	6.99e-04	0.0	4.08e-05
5199	98	0.15	-0.19	-2.21	7.17e-05	0.0	0.0
5199	105	0.15	-0.48	-2.16	2.73e-04	0.0	1.38e-05
5199	107	0.14	-0.18	-2.13	6.87e-05	0.0	0.0
5199	108	6.73	2.21	-1.43	-2.17e-04	0.0	-4.55e-04
5199	127	-4.45	-7.98	-3.82	9.69e-04	0.0	-3.84e-05
5199	140	7.55	2.51	-1.35	-2.53e-04	0.0	-5.12e-04
5199	159	-5.02	-8.95	-4.04	1.08e-03	0.0	-4.36e-05
5199	172	7.20	2.47	-1.37	-2.46e-04	0.0	-5.04e-04
5199	191	-4.81	-8.82	-4.00	1.06e-03	0.0	-4.37e-05
5199	204	8.24	2.90	-1.25	-2.97e-04	0.0	-5.88e-04
5199	223	-5.55	-10.22	-4.31	1.22e-03	0.0	-5.35e-05
5200	4	0.31	2.47	-3.38	-1.18e-03	0.0	-2.66e-04
5200	19	0.11	4.61	-1.30	-2.12e-03	0.0	-4.43e-04
5200	28	0.31	-2.22	-3.71	7.89e-04	0.0	1.34e-04
5200	68	0.21	1.63	-2.43	-7.85e-04	0.0	-1.78e-04
5200	72	0.11	3.02	-1.46	-1.40e-03	0.0	-2.95e-04
5200	80	0.21	-1.50	-2.64	5.30e-04	0.0	8.92e-05
5200	98	0.17	-0.22	-2.20	6.71e-05	0.0	0.0
5200	105	0.16	-0.62	-2.16	2.14e-04	0.0	3.00e-05
5200	107	0.16	-0.21	-2.12	6.42e-05	0.0	0.0
5200	108	7.24	2.47	-1.30	-2.01e-04	0.0	-4.85e-04
5200	127	-4.80	-8.52	-3.91	8.66e-04	0.0	-4.38e-05

5200	135	1.40	-8.55	-3.63	8.76e-04	0.0	4.60e-04
5200	140	8.13	2.80	-1.19	-2.34e-04	0.0	-5.46e-04
5200	159	-5.41	-9.56	-4.13	9.66e-04	0.0	-4.94e-05
5200	167	1.55	-9.59	-3.82	9.77e-04	0.0	5.18e-04
5200	172	7.75	2.76	-1.22	-2.28e-04	0.0	-5.38e-04
5200	191	-5.18	-9.42	-4.09	9.50e-04	0.0	-4.62e-05
5200	199	1.52	-9.46	-3.79	9.62e-04	0.0	5.17e-04
5200	204	8.86	3.24	-1.08	-2.76e-04	0.0	-6.27e-04
5200	223	-5.99	-10.91	-4.41	1.09e-03	0.0	-5.49e-05
5200	231	1.75	-10.96	-4.06	1.11e-03	0.0	6.07e-04
5201	4	0.31	2.40	-3.39	-1.14e-03	0.0	-2.58e-04
5201	19	0.11	4.48	-1.30	-2.04e-03	0.0	-4.30e-04
5201	28	0.30	-2.19	-3.72	7.64e-04	0.0	1.30e-04
5201	68	0.21	1.58	-2.43	-7.53e-04	0.0	-1.72e-04
5201	72	0.11	2.93	-1.46	-1.34e-03	0.0	-2.86e-04
5201	80	0.21	-1.47	-2.65	5.14e-04	0.0	8.65e-05
5201	98	0.17	-0.22	-2.21	6.71e-05	0.0	0.0
5201	105	0.16	-0.61	-2.16	2.09e-04	0.0	2.91e-05
5201	107	0.16	-0.21	-2.13	6.42e-05	0.0	0.0
5201	108	7.24	2.32	-1.43	-1.81e-04	0.0	-4.85e-04
5201	127	-4.80	-8.47	-3.83	8.39e-04	0.0	-4.37e-05
5201	140	8.13	2.63	-1.34	-2.12e-04	0.0	-5.46e-04
5201	159	-5.41	-9.50	-4.04	9.35e-04	0.0	-4.93e-05
5201	172	7.75	2.59	-1.37	-2.06e-04	0.0	-5.38e-04
5201	191	-5.18	-9.36	-4.00	9.20e-04	0.0	-4.62e-05
5201	204	8.86	3.05	-1.25	-2.50e-04	0.0	-6.27e-04
5201	223	-5.99	-10.84	-4.31	1.06e-03	0.0	-5.48e-05
5202	4	0.35	2.96	-3.38	-3.77e-04	0.0	-3.98e-04
5202	19	0.11	5.49	-1.30	-7.66e-04	0.0	-6.59e-04
5202	28	0.34	-2.57	-3.71	3.74e-04	0.0	1.95e-04
5202	68	0.24	1.96	-2.43	-2.47e-04	0.0	-2.65e-04
5202	72	0.12	3.60	-1.46	-4.94e-04	0.0	-4.40e-04
5202	80	0.24	-1.73	-2.65	2.53e-04	0.0	1.30e-04
5202	98	0.19	-0.26	-2.20	6.24e-05	0.0	-1.52e-06
5202	105	0.18	-0.72	-2.16	1.19e-04	0.0	4.27e-05
5202	107	0.18	-0.24	-2.12	5.97e-05	0.0	-1.42e-06
5202	108	7.75	2.57	-1.31	-1.36e-04	0.0	-6.51e-04
5202	127	-5.14	-8.94	-3.90	6.54e-04	0.0	4.06e-04
5202	135	1.50	-8.97	-3.64	6.60e-04	0.0	5.29e-04
5202	140	8.69	2.92	-1.21	-1.60e-04	0.0	-7.33e-04
5202	159	-5.80	-10.02	-4.12	7.28e-04	0.0	4.57e-04
5202	167	1.66	-10.06	-3.82	7.35e-04	0.0	5.97e-04
5202	172	8.29	2.87	-1.24	-1.56e-04	0.0	-7.19e-04
5202	191	-5.55	-9.87	-4.08	7.16e-04	0.0	4.44e-04
5202	199	1.64	-9.92	-3.79	7.24e-04	0.0	5.94e-04
5202	204	9.48	3.38	-1.10	-1.91e-04	0.0	-8.38e-04
5202	223	-6.41	-11.43	-4.40	8.22e-04	0.0	5.18e-04
5202	231	1.87	-11.49	-4.06	8.32e-04	0.0	6.98e-04
5203	4	0.35	2.84	-3.39	-3.38e-04	0.0	-3.87e-04
5203	19	0.11	5.30	-1.30	-7.02e-04	0.0	-6.40e-04
5203	28	0.35	-2.51	-3.72	3.56e-04	0.0	1.90e-04
5203	68	0.24	1.88	-2.43	-2.21e-04	0.0	-2.58e-04
5203	72	0.12	3.46	-1.46	-4.52e-04	0.0	-4.27e-04
5203	80	0.24	-1.69	-2.65	2.42e-04	0.0	1.26e-04
5203	98	0.19	-0.26	-2.21	6.31e-05	0.0	-1.53e-06
5203	105	0.18	-0.70	-2.16	1.16e-04	0.0	4.14e-05
5203	107	0.18	-0.24	-2.13	6.04e-05	0.0	-1.42e-06
5203	108	7.75	2.40	-1.43	-1.19e-04	0.0	-6.52e-04
5203	127	-5.14	-8.87	-3.83	6.29e-04	0.0	4.07e-04
5203	140	8.69	2.73	-1.34	-1.41e-04	0.0	-7.34e-04
5203	159	-5.80	-9.94	-4.04	7.00e-04	0.0	4.58e-04
5203	172	8.29	2.69	-1.36	-1.37e-04	0.0	-7.20e-04
5203	191	-5.55	-9.80	-4.01	6.89e-04	0.0	4.45e-04
5203	204	9.48	3.16	-1.24	-1.69e-04	0.0	-8.39e-04
5203	223	-6.41	-11.35	-4.31	7.91e-04	0.0	5.19e-04
5204	4	0.37	2.96	-3.39	6.00e-04	0.0	-5.29e-04
5204	19	0.11	5.57	-1.30	8.69e-04	0.0	-8.73e-04
5204	28	0.37	-2.66	-3.72	-1.23e-04	0.0	2.55e-04
5204	68	0.26	1.96	-2.43	4.04e-04	0.0	-3.53e-04
5204	72	0.12	3.64	-1.46	5.94e-04	0.0	-5.83e-04
5204	80	0.26	-1.79	-2.65	-7.79e-05	0.0	1.70e-04
5204	98	0.20	-0.29	-2.20	5.90e-05	0.0	-3.80e-06
5204	105	0.19	-0.76	-2.16	6.64e-06	0.0	5.46e-05
5204	107	0.19	-0.27	-2.12	5.64e-05	0.0	-3.62e-06
5204	108	8.18	2.62	-1.35	-3.84e-05	0.0	-6.84e-04

5204	127	-5.45	-9.22	-3.87	3.60e-04	0.0	4.36e-04
5204	135	1.59	-9.26	-3.64	3.57e-04	0.0	5.84e-04
5204	140	9.18	2.98	-1.26	-5.02e-05	0.0	-7.70e-04
5204	159	-6.14	-10.34	-4.09	3.97e-04	0.0	4.91e-04
5204	167	1.76	-10.39	-3.83	3.94e-04	0.0	6.59e-04
5204	172	8.75	2.93	-1.28	-4.83e-05	0.0	-7.54e-04
5204	191	-5.88	-10.19	-4.05	3.92e-04	0.0	4.75e-04
5204	199	1.73	-10.24	-3.79	3.89e-04	0.0	6.56e-04
5204	204	10.01	3.45	-1.15	-6.54e-05	0.0	-8.78e-04
5204	223	-6.79	-11.79	-4.37	4.46e-04	0.0	5.53e-04
5204	231	1.98	-11.86	-4.06	4.43e-04	0.0	7.70e-04
5205	4	0.38	2.78	-3.39	5.91e-04	0.0	-4.69e-04
5205	19	0.11	5.27	-1.30	8.53e-04	0.0	-7.73e-04
5205	28	0.38	-2.57	-3.72	-1.16e-04	0.0	2.25e-04
5205	68	0.26	1.84	-2.43	3.98e-04	0.0	-3.13e-04
5205	72	0.12	3.44	-1.46	5.84e-04	0.0	-5.16e-04
5205	80	0.26	-1.73	-2.65	-7.36e-05	0.0	1.50e-04
5205	98	0.20	-0.29	-2.21	6.00e-05	0.0	-3.89e-06
5205	105	0.19	-0.74	-2.16	8.64e-06	0.0	4.78e-05
5205	107	0.19	-0.28	-2.13	5.73e-05	0.0	-3.71e-06
5205	108	8.19	2.44	-1.43	-4.02e-05	0.0	-6.82e-04
5205	127	-5.44	-9.13	-3.83	3.68e-04	0.0	4.30e-04
5205	140	9.19	2.78	-1.34	-5.23e-05	0.0	-7.68e-04
5205	159	-6.14	-10.24	-4.04	4.06e-04	0.0	4.85e-04
5205	172	8.76	2.73	-1.36	-5.01e-05	0.0	-7.52e-04
5205	191	-5.87	-10.09	-4.01	4.01e-04	0.0	4.70e-04
5205	204	10.01	3.22	-1.24	-6.75e-05	0.0	-8.76e-04
5205	223	-6.78	-11.68	-4.31	4.57e-04	0.0	5.47e-04
5206	4	0.27	1.53	-3.40	-1.61e-03	0.0	-1.14e-04
5206	19	0.10	2.96	-1.30	-2.84e-03	0.0	-1.90e-04
5206	28	0.26	-1.65	-3.73	1.01e-03	0.0	5.78e-05
5206	68	0.19	1.01	-2.44	-1.07e-03	0.0	-7.60e-05
5206	72	0.11	1.93	-1.46	-1.87e-03	0.0	-1.26e-04
5206	80	0.18	-1.11	-2.66	6.79e-04	0.0	3.86e-05
5206	98	0.15	-0.19	-2.21	7.10e-05	0.0	0.0
5206	105	0.14	-0.47	-2.17	2.66e-04	0.0	1.30e-05
5206	107	0.14	-0.18	-2.13	6.80e-05	0.0	0.0
5206	108	6.73	2.03	-1.55	-2.08e-04	0.0	-4.55e-04
5206	127	-4.45	-7.93	-3.75	9.44e-04	0.0	-3.84e-05
5206	129	-1.49	-8.01	-3.70	9.43e-04	0.0	-3.51e-04
5206	140	7.55	2.31	-1.48	-2.42e-04	0.0	-5.12e-04
5206	159	-5.02	-8.90	-3.95	1.05e-03	0.0	-4.36e-05
5206	161	-1.70	-8.99	-3.89	1.05e-03	0.0	-3.96e-04
5206	172	7.20	2.27	-1.50	-2.35e-04	0.0	-5.04e-04
5206	191	-4.81	-8.77	-3.92	1.04e-03	0.0	-4.37e-05
5206	193	-1.72	-8.86	-3.87	1.03e-03	0.0	-3.96e-04
5206	204	8.24	2.67	-1.40	-2.84e-04	0.0	-5.88e-04
5206	223	-5.56	-10.17	-4.21	1.19e-03	0.0	-5.34e-05
5206	225	-2.02	-10.28	-4.15	1.19e-03	0.0	-4.71e-04
5207	4	0.31	2.32	-3.40	-1.08e-03	0.0	-2.50e-04
5207	19	0.11	4.35	-1.30	-1.95e-03	0.0	-4.16e-04
5207	28	0.30	-2.15	-3.73	7.40e-04	0.0	1.26e-04
5207	68	0.21	1.53	-2.44	-7.19e-04	0.0	-1.67e-04
5207	72	0.11	2.85	-1.46	-1.29e-03	0.0	-2.77e-04
5207	80	0.21	-1.45	-2.66	4.97e-04	0.0	8.38e-05
5207	98	0.17	-0.22	-2.21	6.73e-05	0.0	0.0
5207	105	0.16	-0.60	-2.17	2.03e-04	0.0	2.82e-05
5207	107	0.16	-0.21	-2.13	6.44e-05	0.0	0.0
5207	108	7.24	2.12	-1.56	-1.74e-04	0.0	-4.85e-04
5207	127	-4.80	-8.40	-3.75	8.15e-04	0.0	-4.37e-05
5207	129	-1.62	-8.49	-3.69	8.14e-04	0.0	-3.77e-04
5207	140	8.13	2.42	-1.49	-2.03e-04	0.0	-5.46e-04
5207	159	-5.41	-9.42	-3.95	9.08e-04	0.0	-4.92e-05
5207	161	-1.84	-9.52	-3.89	9.07e-04	0.0	-4.25e-04
5207	172	7.75	2.38	-1.50	-1.97e-04	0.0	-5.38e-04
5207	191	-5.18	-9.29	-3.92	8.93e-04	0.0	-4.61e-05
5207	193	-1.86	-9.38	-3.87	8.93e-04	0.0	-4.21e-04
5207	204	8.86	2.80	-1.40	-2.39e-04	0.0	-6.27e-04
5207	223	-5.99	-10.76	-4.21	1.03e-03	0.0	-5.48e-05
5207	225	-2.18	-10.88	-4.15	1.03e-03	0.0	-4.98e-04
5208	4	0.35	2.72	-3.40	-3.06e-04	0.0	-3.76e-04
5208	19	0.11	5.11	-1.29	-6.49e-04	0.0	-6.22e-04
5208	28	0.35	-2.45	-3.73	3.42e-04	0.0	1.84e-04
5208	68	0.24	1.80	-2.44	-2.00e-04	0.0	-2.51e-04
5208	72	0.12	3.34	-1.46	-4.16e-04	0.0	-4.15e-04

5208	80	0.24	-1.65	-2.66	2.32e-04	0.0	1.23e-04
5208	98	0.19	-0.26	-2.21	6.38e-05	0.0	-1.53e-06
5208	105	0.18	-0.69	-2.17	1.13e-04	0.0	4.02e-05
5208	107	0.18	-0.25	-2.13	6.11e-05	0.0	-1.43e-06
5208	108	7.75	2.19	-1.54	-1.18e-04	0.0	-6.52e-04
5208	127	-5.14	-8.78	-3.76	6.20e-04	0.0	4.07e-04
5208	129	-1.73	-8.87	-3.70	6.13e-04	0.0	5.52e-05
5208	140	8.70	2.49	-1.46	-1.40e-04	0.0	-7.34e-04
5208	159	-5.80	-9.85	-3.96	6.90e-04	0.0	4.59e-04
5208	161	-1.98	-9.95	-3.89	6.82e-04	0.0	6.17e-05
5208	172	8.29	2.46	-1.48	-1.35e-04	0.0	-7.20e-04
5208	191	-5.55	-9.71	-3.93	6.79e-04	0.0	4.46e-04
5208	193	-1.99	-9.81	-3.87	6.72e-04	0.0	5.04e-05
5208	204	9.48	2.89	-1.38	-1.67e-04	0.0	-8.39e-04
5208	223	-6.41	-11.24	-4.22	7.79e-04	0.0	5.20e-04
5208	225	-2.35	-11.36	-4.15	7.71e-04	0.0	5.19e-05
5209	4	0.39	2.68	-3.39	5.89e-04	0.0	-4.15e-04
5209	19	0.12	5.10	-1.29	8.47e-04	0.0	-6.82e-04
5209	28	0.39	-2.53	-3.72	-1.13e-04	0.0	1.98e-04
5209	68	0.27	1.77	-2.43	3.97e-04	0.0	-2.77e-04
5209	72	0.13	3.33	-1.46	5.81e-04	0.0	-4.55e-04
5209	80	0.27	-1.70	-2.65	-7.14e-05	0.0	1.31e-04
5209	98	0.21	-0.29	-2.20	6.08e-05	0.0	-4.00e-06
5209	105	0.20	-0.73	-2.16	9.91e-06	0.0	4.17e-05
5209	107	0.20	-0.28	-2.12	5.82e-05	0.0	-3.81e-06
5209	108	8.19	2.22	-1.48	-4.31e-05	0.0	-6.80e-04
5209	127	-5.43	-9.05	-3.79	3.73e-04	0.0	4.25e-04
5209	129	-1.84	-9.14	-3.70	3.69e-04	0.0	5.99e-05
5209	140	9.19	2.54	-1.40	-5.57e-05	0.0	-7.66e-04
5209	159	-6.13	-10.15	-4.00	4.13e-04	0.0	4.79e-04
5209	161	-2.10	-10.25	-3.90	4.08e-04	0.0	6.71e-05
5209	172	8.76	2.50	-1.42	-5.33e-05	0.0	-7.51e-04
5209	191	-5.87	-10.00	-3.97	4.07e-04	0.0	4.65e-04
5209	193	-2.11	-10.10	-3.88	4.03e-04	0.0	5.48e-05
5209	204	10.02	2.95	-1.31	-7.13e-05	0.0	-8.74e-04
5209	223	-6.78	-11.58	-4.26	4.64e-04	0.0	5.41e-04
5209	225	-2.49	-11.70	-4.17	4.59e-04	0.0	5.68e-05
5210	4	0.38	2.31	-3.39	1.40e-03	0.0	-3.54e-04
5210	19	0.11	4.54	-1.30	2.20e-03	0.0	-5.78e-04
5210	28	0.38	-2.42	-3.72	-5.26e-04	0.0	1.63e-04
5210	68	0.26	1.52	-2.43	9.35e-04	0.0	-2.37e-04
5210	72	0.12	2.95	-1.46	1.48e-03	0.0	-3.87e-04
5210	80	0.26	-1.63	-2.65	-3.47e-04	0.0	1.08e-04
5210	98	0.20	-0.32	-2.21	5.71e-05	0.0	-6.13e-06
5210	105	0.19	-0.72	-2.16	-8.41e-05	0.0	3.25e-05
5210	107	0.19	-0.30	-2.13	5.46e-05	0.0	-5.91e-06
5210	108	8.23	2.60	-1.37	2.25e-05	0.0	-6.71e-04
5210	127	-5.47	-9.30	-3.86	1.20e-04	0.0	4.05e-04
5210	135	1.60	-9.33	-3.64	1.06e-04	0.0	5.22e-04
5210	140	9.23	2.97	-1.28	1.85e-05	0.0	-7.55e-04
5210	159	-6.17	-10.42	-4.08	1.28e-04	0.0	4.57e-04
5210	167	1.76	-10.46	-3.83	1.13e-04	0.0	5.89e-04
5210	172	8.80	2.92	-1.30	1.95e-05	0.0	-7.40e-04
5210	191	-5.91	-10.27	-4.04	1.28e-04	0.0	4.45e-04
5210	199	1.74	-10.31	-3.80	1.12e-04	0.0	5.86e-04
5210	204	10.06	3.44	-1.17	1.39e-05	0.0	-8.62e-04
5210	223	-6.82	-11.89	-4.35	1.40e-04	0.0	5.20e-04
5210	231	1.99	-11.94	-4.07	1.21e-04	0.0	6.89e-04
5211	4	0.39	2.22	-3.39	1.34e-03	0.0	-3.72e-04
5211	19	0.12	4.39	-1.30	2.11e-03	0.0	-6.08e-04
5211	28	0.39	-2.38	-3.72	-4.96e-04	0.0	1.72e-04
5211	68	0.27	1.46	-2.43	8.98e-04	0.0	-2.49e-04
5211	72	0.12	2.85	-1.46	1.42e-03	0.0	-4.07e-04
5211	80	0.27	-1.61	-2.65	-3.27e-04	0.0	1.14e-04
5211	98	0.21	-0.32	-2.21	5.81e-05	0.0	-6.04e-06
5211	105	0.20	-0.71	-2.16	-7.68e-05	0.0	3.46e-05
5211	107	0.19	-0.30	-2.13	5.55e-05	0.0	-5.82e-06
5211	108	8.23	2.44	-1.42	1.92e-05	0.0	-6.71e-04
5211	127	-5.46	-9.24	-3.83	1.51e-04	0.0	4.07e-04
5211	140	9.24	2.78	-1.34	1.47e-05	0.0	-7.55e-04
5211	159	-6.16	-10.36	-4.04	1.63e-04	0.0	4.58e-04
5211	172	8.81	2.73	-1.36	1.56e-05	0.0	-7.41e-04
5211	191	-5.90	-10.21	-4.01	1.62e-04	0.0	4.46e-04
5211	204	10.07	3.23	-1.24	9.30e-06	0.0	-8.63e-04
5211	223	-6.81	-11.81	-4.31	1.80e-04	0.0	5.21e-04

5212	4	0.40	1.39	-3.39	1.85e-03	0.0	-1.92e-04
5212	19	0.12	3.08	-1.30	2.95e-03	0.0	-3.05e-04
5212	28	0.40	-2.05	-3.72	-7.53e-04	0.0	7.72e-05
5212	68	0.28	0.91	-2.43	1.24e-03	0.0	-1.29e-04
5212	80	0.27	-1.39	-2.65	-4.99e-04	0.0	5.07e-05
5212	88	0.24	-1.99	-2.49	-8.84e-04	0.0	9.17e-05
5212	98	0.21	-0.34	-2.21	5.63e-05	0.0	-8.28e-06
5212	105	0.20	-0.65	-2.16	-1.35e-04	0.0	1.21e-05
5212	107	0.20	-0.33	-2.13	5.38e-05	0.0	-8.03e-06
5212	108	8.27	2.56	-1.38	5.48e-05	0.0	-5.19e-04
5212	127	-5.48	-9.30	-3.85	-1.45e-05	0.0	-5.25e-05
5212	135	1.61	-9.32	-3.64	-2.80e-05	0.0	4.49e-04
5212	140	9.28	2.92	-1.29	5.49e-05	0.0	-5.84e-04
5212	159	-6.18	-10.42	-4.07	-2.28e-05	0.0	-5.83e-05
5212	167	1.78	-10.45	-3.83	-3.81e-05	0.0	5.07e-04
5212	172	8.85	2.87	-1.32	5.50e-05	0.0	-5.74e-04
5212	191	-5.92	-10.27	-4.03	-1.98e-05	0.0	-5.71e-05
5212	199	1.75	-10.30	-3.80	-3.59e-05	0.0	5.05e-04
5212	204	10.12	3.39	-1.19	5.52e-05	0.0	-6.67e-04
5212	223	-6.84	-11.88	-4.34	-3.12e-05	0.0	-6.75e-05
5212	231	2.00	-11.92	-4.07	-5.04e-05	0.0	5.95e-04
5213	4	0.40	1.35	-3.39	1.78e-03	0.0	-2.12e-04
5213	19	0.12	3.01	-1.30	2.84e-03	0.0	-3.38e-04
5213	28	0.40	-2.03	-3.72	-7.16e-04	0.0	8.74e-05
5213	68	0.28	0.88	-2.43	1.19e-03	0.0	-1.42e-04
5213	80	0.28	-1.38	-2.65	-4.74e-04	0.0	5.76e-05
5213	88	0.24	-1.97	-2.49	-8.44e-04	0.0	1.03e-04
5213	98	0.22	-0.35	-2.21	5.74e-05	0.0	-8.15e-06
5213	105	0.20	-0.65	-2.16	-1.26e-04	0.0	1.44e-05
5213	107	0.20	-0.33	-2.13	5.49e-05	0.0	-7.91e-06
5213	108	8.28	2.40	-1.42	5.53e-05	0.0	-5.19e-04
5213	127	-5.48	-9.26	-3.83	1.77e-05	0.0	-5.24e-05
5213	140	9.28	2.74	-1.33	5.54e-05	0.0	-5.84e-04
5213	159	-6.18	-10.37	-4.04	1.32e-05	0.0	-5.82e-05
5213	172	8.86	2.70	-1.36	5.55e-05	0.0	-5.74e-04
5213	191	-5.92	-10.22	-4.01	1.54e-05	0.0	-5.70e-05
5213	204	10.12	3.19	-1.24	5.57e-05	0.0	-6.67e-04
5213	223	-6.84	-11.83	-4.32	9.55e-06	0.0	-6.73e-05
5214	4	0.42	0.32	-3.40	4.57e-04	5.19e-06	-3.49e-05
5214	28	0.41	-1.60	-3.72	5.62e-04	7.03e-06	-7.32e-06
5214	44	0.36	-2.17	-3.47	5.43e-04	6.56e-06	0.0
5214	68	0.29	0.19	-2.43	3.31e-04	3.87e-06	-2.42e-05
5214	80	0.29	-1.09	-2.65	4.01e-04	5.11e-06	-5.86e-06
5214	88	0.25	-1.47	-2.49	3.88e-04	4.79e-06	0.0
5214	98	0.23	-0.37	-2.21	3.30e-04	4.81e-06	-1.09e-05
5214	105	0.21	-0.57	-2.16	3.29e-04	4.76e-06	-8.45e-06
5214	107	0.21	-0.35	-2.13	3.18e-04	4.61e-06	-1.06e-05
5214	108	8.32	2.50	-1.39	1.10e-04	7.04e-05	-4.98e-04
5214	127	-5.49	-9.25	-3.85	8.79e-04	1.93e-05	-6.55e-05
5214	135	1.63	-9.27	-3.64	8.47e-04	-5.05e-05	3.86e-04
5214	140	9.33	2.86	-1.30	8.35e-05	7.86e-05	-5.60e-04
5214	159	-6.20	-10.36	-4.06	9.49e-04	2.12e-05	-7.29e-05
5214	167	1.79	-10.38	-3.83	9.13e-04	-5.75e-05	4.37e-04
5214	172	8.91	2.81	-1.32	8.80e-05	7.59e-05	-5.49e-04
5214	191	-5.93	-10.21	-4.03	9.38e-04	2.15e-05	-7.49e-05
5214	199	1.77	-10.23	-3.80	9.03e-04	-5.58e-05	4.34e-04
5214	204	10.18	3.32	-1.19	5.08e-05	8.69e-05	-6.38e-04
5214	223	-6.86	-11.81	-4.34	1.04e-03	2.49e-05	-8.93e-05
5214	231	2.02	-11.84	-4.07	9.98e-04	-6.58e-05	5.12e-04
5215	4	0.42	0.32	-3.40	4.57e-04	-1.53e-05	-1.57e-05
5215	28	0.41	-1.60	-3.73	5.62e-04	-1.37e-05	-1.58e-05
5215	44	0.36	-2.17	-3.47	5.43e-04	-1.40e-05	-1.42e-05
5215	68	0.29	0.19	-2.43	3.31e-04	-1.18e-05	-1.14e-05
5215	80	0.29	-1.09	-2.65	4.01e-04	-1.08e-05	-1.15e-05
5215	88	0.25	-1.47	-2.49	3.89e-04	-1.10e-05	-1.04e-05
5215	98	0.23	-0.37	-2.21	3.30e-04	-1.10e-05	-1.04e-05
5215	105	0.21	-0.57	-2.16	3.30e-04	-1.10e-05	-1.00e-05
5215	107	0.21	-0.36	-2.13	3.18e-04	-1.11e-05	-1.01e-05
5215	108	8.32	2.36	-1.42	1.10e-04	5.36e-05	-4.95e-04
5215	127	-5.49	-9.24	-3.83	8.80e-04	1.24e-06	-6.96e-05
5215	140	9.33	2.70	-1.33	8.40e-05	6.17e-05	-5.57e-04
5215	159	-6.20	-10.35	-4.04	9.50e-04	2.85e-06	-7.76e-05
5215	172	8.91	2.65	-1.36	8.91e-05	5.92e-05	-5.46e-04
5215	191	-5.93	-10.20	-4.01	9.40e-04	3.16e-06	-8.00e-05
5215	204	10.18	3.14	-1.24	5.26e-05	7.01e-05	-6.34e-04

5215	223	-6.86	-11.80	-4.32	1.04e-03	6.08e-06	-9.55e-05
5216	4	0.40	2.08	-3.39	1.30e-03	0.0	-3.91e-04
5216	19	0.12	4.18	-1.29	2.03e-03	0.0	-6.39e-04
5216	28	0.40	-2.32	-3.72	-4.73e-04	0.0	1.81e-04
5216	68	0.27	1.37	-2.43	8.70e-04	0.0	-2.61e-04
5216	72	0.13	2.70	-1.46	1.37e-03	0.0	-4.28e-04
5216	80	0.27	-1.57	-2.65	-3.11e-04	0.0	1.21e-04
5216	98	0.21	-0.32	-2.20	5.90e-05	0.0	-5.95e-06
5216	105	0.20	-0.70	-2.16	-7.11e-05	0.0	3.68e-05
5216	107	0.20	-0.30	-2.12	5.64e-05	0.0	-5.74e-06
5216	108	8.23	2.22	-1.46	1.73e-05	0.0	-6.72e-04
5216	127	-5.45	-9.16	-3.80	1.72e-04	0.0	4.08e-04
5216	129	-1.84	-9.25	-3.71	1.69e-04	0.0	4.59e-05
5216	140	9.24	2.53	-1.38	1.25e-05	0.0	-7.56e-04
5216	159	-6.16	-10.26	-4.01	1.86e-04	0.0	4.60e-04
5216	161	-2.10	-10.37	-3.91	1.83e-04	0.0	5.18e-05
5216	172	8.81	2.49	-1.40	1.33e-05	0.0	-7.41e-04
5216	191	-5.89	-10.12	-3.98	1.84e-04	0.0	4.48e-04
5216	193	-2.12	-10.22	-3.88	1.82e-04	0.0	4.10e-05
5216	204	10.07	2.95	-1.29	6.38e-06	0.0	-8.63e-04
5216	223	-6.81	-11.71	-4.28	2.05e-04	0.0	5.23e-04
5216	225	-2.49	-11.83	-4.17	2.02e-04	0.0	4.20e-05
5217	4	0.41	1.27	-3.39	1.71e-03	0.0	-2.32e-04
5217	19	0.13	2.88	-1.29	2.71e-03	0.0	-3.71e-04
5217	28	0.40	-2.00	-3.72	-6.78e-04	0.0	9.74e-05
5217	68	0.28	0.82	-2.43	1.14e-03	0.0	-1.55e-04
5217	80	0.28	-1.35	-2.65	-4.48e-04	0.0	6.43e-05
5217	88	0.24	-1.93	-2.48	-8.01e-04	0.0	1.14e-04
5217	98	0.22	-0.35	-2.20	5.82e-05	0.0	-8.03e-06
5217	105	0.21	-0.64	-2.16	-1.17e-04	0.0	1.67e-05
5217	107	0.20	-0.33	-2.12	5.56e-05	0.0	-7.79e-06
5217	108	8.28	2.20	-1.44	4.48e-05	0.0	-5.19e-04
5217	127	-5.47	-9.20	-3.81	7.32e-05	0.0	-5.22e-05
5217	129	-1.84	-9.29	-3.71	7.04e-05	0.0	-4.04e-04
5217	140	9.29	2.51	-1.36	4.35e-05	0.0	-5.84e-04
5217	159	-6.18	-10.31	-4.02	7.53e-05	0.0	-5.81e-05
5217	161	-2.10	-10.41	-3.91	7.22e-05	0.0	-4.55e-04
5217	172	8.86	2.47	-1.38	4.45e-05	0.0	-5.74e-04
5217	191	-5.91	-10.16	-3.99	7.40e-05	0.0	-5.68e-05
5217	193	-2.12	-10.27	-3.89	7.12e-05	0.0	-4.52e-04
5217	204	10.13	2.93	-1.27	4.28e-05	0.0	-6.67e-04
5217	223	-6.83	-11.76	-4.29	7.69e-05	0.0	-6.71e-05
5217	225	-2.49	-11.88	-4.17	7.36e-05	0.0	-5.35e-04
5218	4	0.42	0.32	-3.39	4.57e-04	-3.75e-05	2.31e-06
5218	28	0.41	-1.61	-3.72	5.62e-04	-3.62e-05	-2.38e-05
5218	44	0.35	-2.17	-3.47	5.43e-04	-3.60e-05	-2.80e-05
5218	68	0.29	0.19	-2.43	3.32e-04	-2.86e-05	0.0
5218	80	0.29	-1.10	-2.65	4.01e-04	-2.78e-05	-1.68e-05
5218	88	0.25	-1.47	-2.48	3.89e-04	-2.77e-05	-1.96e-05
5218	98	0.22	-0.38	-2.20	3.30e-04	-2.76e-05	-9.98e-06
5218	105	0.21	-0.57	-2.16	3.30e-04	-2.75e-05	-1.15e-05
5218	107	0.21	-0.36	-2.12	3.18e-04	-2.76e-05	-9.71e-06
5218	108	8.32	2.16	-1.44	1.09e-04	-1.26e-04	-4.94e-04
5218	127	-5.49	-9.21	-3.81	8.82e-04	4.16e-05	-7.46e-05
5218	129	-1.84	-9.30	-3.71	8.59e-04	4.18e-05	-4.14e-04
5218	140	9.33	2.48	-1.35	8.28e-05	-1.38e-04	-5.55e-04
5218	159	-6.20	-10.31	-4.03	9.53e-04	5.03e-05	-8.33e-05
5218	161	-2.10	-10.42	-3.91	9.27e-04	5.04e-05	-4.66e-04
5218	172	8.91	2.44	-1.38	8.86e-05	-1.32e-04	-5.44e-04
5218	191	-5.93	-10.17	-3.99	9.42e-04	4.73e-05	-8.61e-05
5218	193	-2.12	-10.27	-3.89	9.18e-04	4.80e-05	-4.68e-04
5218	204	10.18	2.90	-1.26	5.24e-05	-1.47e-04	-6.32e-04
5218	223	-6.86	-11.76	-4.30	1.04e-03	5.90e-05	-1.03e-04
5218	225	-2.49	-11.88	-4.18	1.02e-03	6.07e-05	-5.55e-04
5219	28	0.26	-1.27	-3.39	3.67e-04	0.0	8.44e-05
5219	44	0.23	-1.84	-3.15	4.95e-04	0.0	1.45e-04
5219	80	0.18	-0.86	-2.40	2.50e-04	0.0	5.56e-05
5219	88	0.16	-1.24	-2.24	3.35e-04	0.0	9.62e-05
5219	98	0.15	-0.20	-1.96	8.67e-05	0.0	-5.21e-06
5219	105	0.14	-0.40	-1.92	1.31e-04	0.0	1.51e-05
5219	107	0.14	-0.20	-1.88	8.28e-05	0.0	-5.23e-06
5219	108	6.89	0.84	-0.68	-2.71e-05	0.0	-4.37e-04
5219	127	-4.58	-7.62	-3.91	6.56e-04	0.0	-4.14e-05
5219	129	-1.54	-8.42	-3.55	6.98e-04	0.0	-3.39e-04
5219	140	7.73	0.97	-0.53	-4.08e-05	0.0	-4.91e-04

5219	159	-5.16	-8.55	-4.16	7.27e-04	0.0	-4.62e-05
5219	161	-1.75	-9.45	-3.76	7.75e-04	0.0	-3.82e-04
5219	172	7.37	0.96	-0.60	-4.05e-05	0.0	-4.84e-04
5219	191	-4.94	-8.44	-4.12	7.18e-04	0.0	-4.59e-05
5219	193	-1.76	-9.35	-3.76	7.65e-04	0.0	-3.81e-04
5219	204	8.44	1.14	-0.41	-6.10e-05	0.0	-5.63e-04
5219	223	-5.70	-9.80	-4.48	8.22e-04	0.0	-5.49e-05
5219	225	-2.07	-10.87	-4.07	8.77e-04	0.0	-4.52e-04
5220	28	0.27	-1.23	-3.39	3.11e-04	0.0	8.09e-05
5220	44	0.23	-1.78	-3.15	4.04e-04	0.0	1.40e-04
5220	80	0.19	-0.84	-2.40	2.13e-04	0.0	5.32e-05
5220	88	0.16	-1.20	-2.24	2.75e-04	0.0	9.24e-05
5220	98	0.15	-0.21	-1.96	8.51e-05	0.0	-5.37e-06
5220	105	0.14	-0.39	-1.91	1.18e-04	0.0	1.42e-05
5220	107	0.14	-0.20	-1.88	8.14e-05	0.0	-5.38e-06
5220	108	6.89	0.65	-0.88	-1.31e-05	0.0	-4.36e-04
5220	127	-4.58	-7.57	-3.76	6.19e-04	0.0	-4.11e-05
5220	129	-1.54	-8.50	-3.49	6.64e-04	0.0	-3.38e-04
5220	140	7.74	0.75	-0.76	-2.49e-05	0.0	-4.91e-04
5220	159	-5.16	-8.49	-4.00	6.86e-04	0.0	-4.59e-05
5220	161	-1.75	-9.54	-3.70	7.37e-04	0.0	-3.81e-04
5220	172	7.38	0.75	-0.81	-2.54e-05	0.0	-4.84e-04
5220	191	-4.94	-8.40	-3.96	6.78e-04	0.0	-4.57e-05
5220	193	-1.76	-9.44	-3.69	7.28e-04	0.0	-3.81e-04
5220	204	8.44	0.90	-0.65	-4.35e-05	0.0	-5.63e-04
5220	223	-5.70	-9.74	-4.29	7.75e-04	0.0	-5.46e-05
5220	225	-2.07	-10.98	-3.98	8.34e-04	0.0	-4.52e-04
5221	28	0.33	-1.45	-3.39	3.05e-04	0.0	1.66e-04
5221	44	0.29	-2.09	-3.15	3.98e-04	0.0	2.69e-04
5221	80	0.23	-0.99	-2.40	2.08e-04	0.0	1.10e-04
5221	88	0.20	-1.41	-2.24	2.71e-04	0.0	1.79e-04
5221	98	0.18	-0.25	-1.96	8.07e-05	0.0	2.80e-06
5221	105	0.17	-0.47	-1.92	1.14e-04	0.0	3.75e-05
5221	107	0.17	-0.24	-1.89	7.71e-05	0.0	2.30e-06
5221	108	7.36	0.86	-0.71	-2.65e-05	0.0	-4.34e-04
5221	127	-4.86	-7.95	-3.90	6.10e-04	0.0	-3.92e-05
5221	129	-1.63	-8.78	-3.55	6.48e-04	0.0	-3.41e-04
5221	140	8.25	0.99	-0.56	-3.94e-05	0.0	-4.89e-04
5221	159	-5.48	-8.92	-4.15	6.76e-04	0.0	-4.45e-05
5221	161	-1.85	-9.85	-3.76	7.19e-04	0.0	-3.85e-04
5221	172	7.87	0.98	-0.62	-3.81e-05	0.0	-4.81e-04
5221	191	-5.25	-8.81	-4.10	6.67e-04	0.0	-4.15e-05
5221	193	-1.87	-9.74	-3.75	7.10e-04	0.0	-3.82e-04
5221	204	9.00	1.18	-0.44	-5.67e-05	0.0	-5.62e-04
5221	223	-6.06	-10.22	-4.46	7.64e-04	0.0	-4.96e-05
5221	225	-2.20	-11.32	-4.06	8.15e-04	0.0	-4.52e-04
5222	28	0.33	-1.39	-3.39	2.62e-04	0.0	1.62e-04
5222	44	0.29	-1.98	-3.15	3.33e-04	0.0	2.62e-04
5222	80	0.23	-0.94	-2.40	1.80e-04	0.0	1.07e-04
5222	88	0.20	-1.33	-2.24	2.27e-04	0.0	1.75e-04
5222	98	0.18	-0.25	-1.96	7.70e-05	0.0	2.97e-06
5222	105	0.17	-0.45	-1.92	1.02e-04	0.0	3.67e-05
5222	107	0.17	-0.24	-1.88	7.36e-05	0.0	2.47e-06
5222	108	7.36	0.66	-0.89	-1.77e-05	0.0	-4.33e-04
5222	127	-4.86	-7.89	-3.76	5.79e-04	0.0	-3.88e-05
5222	129	-1.62	-8.83	-3.49	6.21e-04	0.0	-3.41e-04
5222	140	8.25	0.77	-0.77	-2.91e-05	0.0	-4.88e-04
5222	159	-5.48	-8.84	-3.99	6.43e-04	0.0	-4.40e-05
5222	161	-1.85	-9.91	-3.69	6.89e-04	0.0	-3.84e-04
5222	172	7.87	0.76	-0.82	-2.85e-05	0.0	-4.81e-04
5222	191	-5.25	-8.74	-3.95	6.35e-04	0.0	-4.11e-05
5222	193	-1.87	-9.81	-3.68	6.81e-04	0.0	-3.81e-04
5222	204	9.00	0.92	-0.66	-4.53e-05	0.0	-5.62e-04
5222	223	-6.06	-10.14	-4.29	7.26e-04	0.0	-4.91e-05
5222	225	-2.20	-11.40	-3.98	7.81e-04	0.0	-4.51e-04
5223	28	0.39	-1.60	-3.40	2.25e-04	0.0	2.21e-04
5223	44	0.34	-2.28	-3.16	2.78e-04	0.0	3.51e-04
5223	80	0.27	-1.09	-2.41	1.54e-04	0.0	1.47e-04
5223	88	0.23	-1.54	-2.25	1.90e-04	0.0	2.34e-04
5223	98	0.21	-0.29	-1.97	7.21e-05	0.0	9.30e-06
5223	105	0.20	-0.52	-1.93	9.13e-05	0.0	5.32e-05
5223	107	0.20	-0.28	-1.89	6.89e-05	0.0	8.39e-06
5223	108	7.78	0.87	-0.75	-2.49e-05	0.0	-5.55e-04
5223	127	-5.12	-8.26	-3.88	5.53e-04	0.0	3.61e-04
5223	129	-1.71	-9.10	-3.55	5.88e-04	0.0	5.23e-05

5223	140	8.73	1.01	-0.61	-3.66e-05	0.0	-6.26e-04
5223	159	-5.78	-9.26	-4.12	6.13e-04	0.0	4.05e-04
5223	161	-1.96	-10.21	-3.76	6.53e-04	0.0	5.73e-05
5223	172	8.32	1.00	-0.67	-3.55e-05	0.0	-6.13e-04
5223	191	-5.53	-9.15	-4.08	6.05e-04	0.0	3.94e-04
5223	193	-1.97	-10.10	-3.75	6.45e-04	0.0	4.78e-05
5223	204	9.51	1.21	-0.49	-5.23e-05	0.0	-7.16e-04
5223	223	-6.39	-10.60	-4.43	6.93e-04	0.0	4.58e-04
5223	225	-2.32	-11.73	-4.06	7.39e-04	0.0	4.84e-05
5224	28	0.39	-1.51	-3.39	2.02e-04	0.0	2.15e-04
5224	44	0.34	-2.14	-3.15	2.43e-04	0.0	3.41e-04
5224	80	0.27	-1.03	-2.40	1.39e-04	0.0	1.43e-04
5224	88	0.23	-1.44	-2.24	1.67e-04	0.0	2.28e-04
5224	98	0.21	-0.29	-1.96	6.98e-05	0.0	9.45e-06
5224	105	0.20	-0.50	-1.92	8.51e-05	0.0	5.20e-05
5224	107	0.20	-0.27	-1.88	6.68e-05	0.0	8.52e-06
5224	108	7.78	0.67	-0.90	-1.65e-05	0.0	-5.55e-04
5224	127	-5.12	-8.18	-3.75	5.32e-04	0.0	3.60e-04
5224	129	-1.71	-9.14	-3.49	5.71e-04	0.0	5.15e-05
5224	140	8.73	0.78	-0.77	-2.68e-05	0.0	-6.26e-04
5224	159	-5.78	-9.17	-3.99	5.90e-04	0.0	4.05e-04
5224	161	-1.96	-10.26	-3.69	6.34e-04	0.0	5.64e-05
5224	172	8.33	0.78	-0.82	-2.64e-05	0.0	-6.13e-04
5224	191	-5.54	-9.06	-3.95	5.83e-04	0.0	3.94e-04
5224	193	-1.97	-10.15	-3.68	6.26e-04	0.0	4.71e-05
5224	204	9.51	0.94	-0.67	-4.16e-05	0.0	-7.16e-04
5224	223	-6.40	-10.50	-4.28	6.67e-04	0.0	4.57e-04
5224	225	-2.32	-11.79	-3.98	7.18e-04	0.0	4.75e-05
5225	28	0.43	-1.71	-3.42	1.18e-04	0.0	2.59e-04
5225	44	0.38	-2.41	-3.18	1.15e-04	0.0	4.10e-04
5225	80	0.30	-1.16	-2.42	8.30e-05	0.0	1.73e-04
5225	88	0.26	-1.63	-2.26	8.08e-05	0.0	2.73e-04
5225	98	0.24	-0.33	-1.98	6.25e-05	0.0	1.20e-05
5225	105	0.22	-0.57	-1.94	6.27e-05	0.0	6.29e-05
5225	107	0.22	-0.31	-1.90	6.00e-05	0.0	1.09e-05
5225	108	8.18	0.88	-0.82	-1.22e-04	0.0	-5.66e-04
5225	127	-5.38	-8.54	-3.85	5.04e-04	0.0	3.78e-04
5225	129	-1.80	-9.40	-3.55	5.05e-04	0.0	6.29e-05
5225	140	9.18	1.03	-0.68	-1.44e-04	0.0	-6.39e-04
5225	159	-6.07	-9.57	-4.10	5.59e-04	0.0	4.24e-04
5225	161	-2.05	-10.54	-3.76	5.60e-04	0.0	6.87e-05
5225	172	8.75	1.02	-0.74	-1.39e-04	0.0	-6.25e-04
5225	191	-5.81	-9.45	-4.06	5.51e-04	0.0	4.11e-04
5225	193	-2.07	-10.42	-3.75	5.53e-04	0.0	5.80e-05
5225	204	10.00	1.23	-0.57	-1.71e-04	0.0	-7.29e-04
5225	223	-6.71	-10.95	-4.40	6.31e-04	0.0	4.77e-04
5225	225	-2.44	-12.10	-4.05	6.34e-04	0.0	5.90e-05
5226	28	0.43	-1.60	-3.40	1.31e-04	0.0	2.38e-04
5226	44	0.37	-2.24	-3.15	1.35e-04	0.0	3.76e-04
5226	80	0.30	-1.09	-2.40	9.16e-05	0.0	1.59e-04
5226	88	0.26	-1.51	-2.24	9.44e-05	0.0	2.50e-04
5226	98	0.23	-0.32	-1.96	6.34e-05	0.0	1.20e-05
5226	105	0.22	-0.54	-1.92	6.61e-05	0.0	5.83e-05
5226	107	0.22	-0.31	-1.88	6.09e-05	0.0	1.09e-05
5226	108	8.17	0.68	-0.90	-1.32e-04	0.0	-5.67e-04
5226	127	-5.37	-8.44	-3.75	5.16e-04	0.0	3.75e-04
5226	129	-1.80	-9.43	-3.49	5.18e-04	0.0	5.84e-05
5226	140	9.16	0.80	-0.78	-1.56e-04	0.0	-6.40e-04
5226	159	-6.07	-9.46	-3.99	5.73e-04	0.0	4.21e-04
5226	161	-2.05	-10.57	-3.69	5.75e-04	0.0	6.38e-05
5226	172	8.74	0.79	-0.82	-1.50e-04	0.0	-6.26e-04
5226	191	-5.81	-9.35	-3.95	5.65e-04	0.0	4.08e-04
5226	193	-2.07	-10.46	-3.68	5.68e-04	0.0	5.36e-05
5226	204	9.98	0.97	-0.67	-1.84e-04	0.0	-7.30e-04
5226	223	-6.71	-10.83	-4.28	6.48e-04	0.0	4.73e-04
5226	225	-2.44	-12.15	-3.98	6.51e-04	0.0	5.42e-05
5227	28	0.27	-1.20	-3.37	2.56e-04	0.0	7.34e-05
5227	44	0.24	-1.72	-3.12	3.12e-04	0.0	1.27e-04
5227	80	0.19	-0.81	-2.38	1.77e-04	0.0	4.82e-05
5227	88	0.17	-1.16	-2.22	2.14e-04	0.0	8.40e-05
5227	98	0.15	-0.21	-1.94	8.70e-05	0.0	-5.26e-06
5227	105	0.14	-0.39	-1.89	1.07e-04	0.0	1.27e-05
5227	107	0.14	-0.20	-1.86	8.33e-05	0.0	-5.27e-06
5227	108	6.90	0.45	-1.01	-1.53e-04	0.0	-4.34e-04
5227	127	-4.58	-7.53	-3.63	6.29e-04	0.0	-3.90e-05

5227	129	-1.54	-8.57	-3.42	6.30e-04	0.0	-3.34e-04
5227	140	7.74	0.53	-0.90	-1.83e-04	0.0	-4.89e-04
5227	159	-5.16	-8.44	-3.85	6.97e-04	0.0	-4.36e-05
5227	161	-1.75	-9.62	-3.61	6.98e-04	0.0	-3.76e-04
5227	172	7.39	0.53	-0.94	-1.76e-04	0.0	-4.83e-04
5227	191	-4.94	-8.35	-3.82	6.87e-04	0.0	-4.36e-05
5227	193	-1.76	-9.53	-3.60	6.90e-04	0.0	-3.77e-04
5227	204	8.45	0.65	-0.79	-2.18e-04	0.0	-5.63e-04
5227	225	-2.07	-11.09	-3.88	7.90e-04	0.0	-4.48e-04
5227	227	-5.02	-9.62	-4.14	7.23e-04	0.0	-3.34e-05
5228	28	0.33	-1.32	-3.37	2.16e-04	0.0	1.50e-04
5228	44	0.29	-1.87	-3.12	2.62e-04	0.0	2.41e-04
5228	80	0.23	-0.90	-2.38	1.49e-04	0.0	9.94e-05
5228	88	0.20	-1.26	-2.22	1.79e-04	0.0	1.61e-04
5228	98	0.18	-0.25	-1.94	7.36e-05	0.0	3.56e-06
5228	105	0.17	-0.44	-1.89	9.05e-05	0.0	3.44e-05
5228	107	0.17	-0.24	-1.86	7.05e-05	0.0	3.03e-06
5228	108	7.35	0.46	-1.01	-5.12e-06	0.0	-4.33e-04
5228	127	-4.86	-7.82	-3.63	5.46e-04	0.0	-3.64e-05
5228	129	-1.62	-8.88	-3.42	5.92e-04	0.0	-3.38e-04
5228	140	8.25	0.54	-0.90	-1.45e-05	0.0	-4.88e-04
5228	159	-5.48	-8.77	-3.85	6.05e-04	0.0	-4.14e-05
5228	161	-1.85	-9.97	-3.61	6.57e-04	0.0	-3.81e-04
5228	172	7.87	0.54	-0.93	-1.51e-05	0.0	-4.81e-04
5228	191	-5.24	-8.67	-3.81	5.98e-04	0.0	-3.90e-05
5228	193	-1.87	-9.87	-3.59	6.49e-04	0.0	-3.79e-04
5228	204	9.00	0.67	-0.79	-2.96e-05	0.0	-5.62e-04
5228	225	-2.20	-11.48	-3.88	7.44e-04	0.0	-4.49e-04
5228	227	-5.33	-9.98	-4.13	6.81e-04	0.0	-2.73e-05
5229	28	0.39	-1.42	-3.37	1.81e-04	0.0	1.98e-04
5229	44	0.34	-1.99	-3.12	2.12e-04	0.0	3.12e-04
5229	80	0.27	-0.97	-2.38	1.25e-04	0.0	1.32e-04
5229	88	0.23	-1.35	-2.22	1.46e-04	0.0	2.08e-04
5229	98	0.21	-0.28	-1.94	6.76e-05	0.0	1.01e-05
5229	105	0.20	-0.48	-1.89	7.93e-05	0.0	4.85e-05
5229	107	0.20	-0.27	-1.86	6.48e-05	0.0	9.13e-06
5229	108	7.78	0.46	-1.01	-6.54e-06	0.0	-5.56e-04
5229	127	-5.13	-8.09	-3.62	5.18e-04	0.0	3.59e-04
5229	129	-1.71	-9.18	-3.41	5.62e-04	0.0	4.81e-05
5229	140	8.73	0.55	-0.90	-1.54e-05	0.0	-6.27e-04
5229	159	-5.78	-9.07	-3.85	5.74e-04	0.0	4.03e-04
5229	161	-1.96	-10.30	-3.61	6.24e-04	0.0	5.26e-05
5229	172	8.33	0.55	-0.93	-1.59e-05	0.0	-6.15e-04
5229	191	-5.54	-8.97	-3.81	5.68e-04	0.0	3.92e-04
5229	193	-1.97	-10.20	-3.59	6.17e-04	0.0	4.40e-05
5229	204	9.52	0.68	-0.79	-2.95e-05	0.0	-7.18e-04
5229	225	-2.32	-11.86	-3.88	7.08e-04	0.0	4.43e-05
5229	227	-5.63	-10.32	-4.13	6.46e-04	0.0	4.77e-04
5230	28	0.43	-1.51	-3.37	1.46e-04	0.0	2.12e-04
5230	44	0.37	-2.09	-3.12	1.59e-04	0.0	3.27e-04
5230	80	0.30	-1.03	-2.38	1.02e-04	0.0	1.41e-04
5230	88	0.26	-1.41	-2.22	1.11e-04	0.0	2.18e-04
5230	98	0.23	-0.32	-1.94	6.44e-05	0.0	1.36e-05
5230	105	0.22	-0.52	-1.89	7.01e-05	0.0	5.29e-05
5230	107	0.22	-0.30	-1.86	6.18e-05	0.0	1.23e-05
5230	108	8.17	0.47	-1.01	-1.46e-04	0.0	-5.73e-04
5230	127	-5.37	-8.36	-3.62	5.35e-04	0.0	3.74e-04
5230	129	-1.80	-9.47	-3.41	5.36e-04	0.0	5.24e-05
5230	140	9.16	0.56	-0.90	-1.71e-04	0.0	-6.46e-04
5230	159	-6.06	-9.36	-3.84	5.94e-04	0.0	4.20e-04
5230	161	-2.05	-10.62	-3.61	5.96e-04	0.0	5.70e-05
5230	172	8.73	0.56	-0.94	-1.66e-04	0.0	-6.30e-04
5230	191	-5.80	-9.26	-3.81	5.86e-04	0.0	4.08e-04
5230	193	-2.07	-10.51	-3.59	5.88e-04	0.0	4.81e-05
5230	204	9.98	0.70	-0.80	-2.02e-04	0.0	-7.35e-04
5230	225	-2.44	-12.22	-3.87	6.75e-04	0.0	4.84e-05
5230	227	-5.91	-10.65	-4.13	6.14e-04	0.0	4.95e-04
5231	4	0.42	0.72	-3.10	2.88e-04	0.0	-3.26e-04
5231	28	0.42	-1.72	-3.43	1.92e-05	0.0	1.85e-04
5231	44	0.36	-2.40	-3.19	-3.86e-05	0.0	2.96e-04
5231	68	0.29	0.45	-2.21	1.96e-04	0.0	-2.17e-04
5231	80	0.29	-1.17	-2.43	1.70e-05	0.0	1.23e-04
5231	88	0.25	-1.62	-2.27	-2.16e-05	0.0	1.97e-04
5231	98	0.23	-0.35	-1.99	5.55e-05	0.0	6.50e-06
5231	105	0.22	-0.59	-1.95	3.72e-05	0.0	4.36e-05

5231	107	0.21	-0.34	-1.91	5.34e-05	0.0	5.69e-06
5231	108	8.24	0.89	-0.84	-1.12e-04	0.0	-5.81e-04
5231	127	-5.43	-8.74	-3.85	4.26e-04	0.0	3.68e-04
5231	129	-1.82	-9.62	-3.55	3.90e-04	0.0	4.45e-05
5231	140	9.25	1.04	-0.71	-1.32e-04	0.0	-6.55e-04
5231	159	-6.13	-9.79	-4.09	4.72e-04	0.0	4.13e-04
5231	161	-2.08	-10.78	-3.76	4.32e-04	0.0	4.89e-05
5231	172	8.82	1.03	-0.76	-1.26e-04	0.0	-6.42e-04
5231	191	-5.87	-9.68	-4.05	4.65e-04	0.0	4.03e-04
5231	193	-2.10	-10.66	-3.75	4.28e-04	0.0	4.03e-05
5231	204	10.08	1.25	-0.60	-1.54e-04	0.0	-7.49e-04
5231	223	-6.78	-11.21	-4.39	5.32e-04	0.0	4.69e-04
5231	225	-2.47	-12.38	-4.05	4.89e-04	0.0	4.05e-05
5232	4	0.43	0.58	-3.07	2.13e-04	0.0	-3.09e-04
5232	28	0.43	-1.65	-3.40	6.72e-05	0.0	1.80e-04
5232	44	0.37	-2.27	-3.15	3.57e-05	0.0	2.85e-04
5232	68	0.29	0.37	-2.18	1.46e-04	0.0	-2.07e-04
5232	80	0.29	-1.12	-2.40	4.92e-05	0.0	1.19e-04
5232	88	0.25	-1.54	-2.24	2.81e-05	0.0	1.89e-04
5232	98	0.23	-0.35	-1.96	5.95e-05	0.0	7.25e-06
5232	105	0.22	-0.57	-1.92	5.01e-05	0.0	4.27e-05
5232	107	0.22	-0.34	-1.88	5.72e-05	0.0	6.39e-06
5232	108	8.25	0.68	-0.90	-1.26e-04	0.0	-4.59e-04
5232	127	-5.43	-8.67	-3.75	4.68e-04	0.0	-3.94e-05
5232	129	-1.82	-9.67	-3.49	4.69e-04	0.0	-3.63e-04
5232	140	9.25	0.81	-0.78	-1.48e-04	0.0	-5.18e-04
5232	159	-6.13	-9.71	-3.98	5.20e-04	0.0	-4.52e-05
5232	161	-2.08	-10.84	-3.69	5.21e-04	0.0	-4.10e-04
5232	172	8.82	0.80	-0.83	-1.42e-04	0.0	-5.09e-04
5232	191	-5.87	-9.60	-3.95	5.12e-04	0.0	-4.18e-05
5232	193	-2.09	-10.73	-3.68	5.14e-04	0.0	-4.05e-04
5232	204	10.08	0.98	-0.68	-1.73e-04	0.0	-5.93e-04
5232	223	-6.78	-11.12	-4.28	5.86e-04	0.0	-5.06e-05
5232	225	-2.47	-12.46	-3.98	5.89e-04	0.0	-4.80e-04
5233	4	0.42	0.52	-3.11	3.86e-04	0.0	-1.83e-04
5233	28	0.41	-1.70	-3.44	-4.03e-05	0.0	9.14e-05
5233	44	0.36	-2.32	-3.19	-1.32e-04	0.0	1.51e-04
5233	68	0.29	0.32	-2.21	2.62e-04	0.0	-1.22e-04
5233	80	0.29	-1.16	-2.43	-2.28e-05	0.0	6.02e-05
5233	88	0.25	-1.57	-2.27	-8.40e-05	0.0	1.00e-04
5233	98	0.22	-0.38	-1.99	5.21e-05	0.0	-1.97e-06
5233	105	0.21	-0.60	-1.95	2.24e-05	0.0	1.81e-05
5233	107	0.21	-0.36	-1.91	5.03e-05	0.0	-2.29e-06
5233	108	8.28	0.89	-0.86	-1.06e-04	0.0	-4.80e-04
5233	127	-5.46	-8.92	-3.84	3.79e-04	0.0	-4.65e-05
5233	129	-1.83	-9.81	-3.55	3.41e-04	0.0	-3.78e-04
5233	140	9.29	1.05	-0.73	-1.25e-04	0.0	-5.40e-04
5233	159	-6.17	-9.99	-4.08	4.20e-04	0.0	-5.24e-05
5233	161	-2.09	-10.99	-3.76	3.78e-04	0.0	-4.26e-04
5233	172	8.86	1.04	-0.78	-1.19e-04	0.0	-5.30e-04
5233	191	-5.90	-9.87	-4.04	4.14e-04	0.0	-5.20e-05
5233	193	-2.11	-10.87	-3.75	3.75e-04	0.0	-4.24e-04
5233	204	10.13	1.26	-0.62	-1.44e-04	0.0	-6.17e-04
5233	223	-6.82	-11.43	-4.38	4.73e-04	0.0	-6.27e-05
5233	225	-2.48	-12.61	-4.05	4.28e-04	0.0	-5.03e-04
5234	4	0.42	0.44	-3.07	2.90e-04	0.0	-1.79e-04
5234	28	0.42	-1.66	-3.40	2.37e-05	0.0	9.08e-05
5234	44	0.36	-2.26	-3.15	-3.41e-05	0.0	1.49e-04
5234	68	0.29	0.27	-2.18	1.98e-04	0.0	-1.20e-04
5234	80	0.29	-1.13	-2.40	2.02e-05	0.0	5.98e-05
5234	88	0.25	-1.53	-2.24	-1.84e-05	0.0	9.89e-05
5234	98	0.23	-0.38	-1.96	5.80e-05	0.0	-1.50e-06
5234	105	0.21	-0.59	-1.92	3.98e-05	0.0	1.82e-05
5234	107	0.21	-0.36	-1.88	5.58e-05	0.0	-1.85e-06
5234	108	8.28	0.68	-0.91	-1.18e-04	0.0	-4.80e-04
5234	127	-5.46	-8.87	-3.75	4.30e-04	0.0	-4.64e-05
5234	129	-1.83	-9.89	-3.49	3.89e-04	0.0	-3.78e-04
5234	140	9.29	0.81	-0.79	-1.40e-04	0.0	-5.40e-04
5234	159	-6.16	-9.93	-3.98	4.77e-04	0.0	-5.24e-05
5234	161	-2.09	-11.08	-3.69	4.31e-04	0.0	-4.26e-04
5234	172	8.86	0.80	-0.84	-1.33e-04	0.0	-5.30e-04
5234	191	-5.90	-9.82	-3.94	4.70e-04	0.0	-5.20e-05
5234	193	-2.11	-10.97	-3.68	4.27e-04	0.0	-4.25e-04
5234	204	10.13	0.99	-0.68	-1.62e-04	0.0	-6.17e-04
5234	223	-6.82	-11.37	-4.28	5.38e-04	0.0	-6.29e-05

5234	225	-2.48	-12.73	-3.98	4.88e-04	0.0	-5.03e-04
5235	4	0.42	0.28	-3.11	4.59e-04	-1.10e-04	-3.26e-05
5235	28	0.41	-1.65	-3.44	5.64e-04	-1.13e-04	-1.13e-05
5235	44	0.35	-2.21	-3.20	5.45e-04	-1.13e-04	-4.66e-06
5235	68	0.29	0.16	-2.22	3.33e-04	-8.51e-05	-2.28e-05
5235	80	0.28	-1.13	-2.44	4.03e-04	-8.70e-05	-8.61e-06
5235	88	0.24	-1.50	-2.27	3.90e-04	-8.66e-05	-4.21e-06
5235	98	0.22	-0.40	-2.00	3.31e-04	-8.81e-05	-1.22e-05
5235	105	0.21	-0.60	-1.95	3.31e-04	-8.81e-05	-1.02e-05
5235	107	0.21	-0.39	-1.92	3.20e-04	-8.78e-05	-1.19e-05
5235	108	8.32	0.89	-0.87	6.52e-05	5.24e-05	-4.97e-04
5235	127	-5.49	-9.07	-3.84	9.10e-04	-1.86e-04	-6.68e-05
5235	129	-1.84	-9.98	-3.55	8.58e-04	-1.20e-04	-4.05e-04
5235	140	9.33	1.05	-0.74	3.35e-05	7.01e-05	-5.58e-04
5235	159	-6.20	-10.16	-4.08	9.83e-04	-1.98e-04	-7.42e-05
5235	161	-2.10	-11.18	-3.76	9.26e-04	-1.24e-04	-4.56e-04
5235	172	8.91	1.04	-0.79	4.25e-05	6.87e-05	-5.48e-04
5235	191	-5.93	-10.04	-4.04	9.72e-04	-1.97e-04	-7.62e-05
5235	193	-2.12	-11.06	-3.75	9.18e-04	-1.23e-04	-4.57e-04
5235	204	10.18	1.27	-0.63	0.0	9.54e-05	-6.36e-04
5235	223	-6.86	-11.62	-4.38	1.08e-03	-2.15e-04	-9.06e-05
5235	225	-2.49	-12.82	-4.05	1.02e-03	-1.27e-04	-5.41e-04
5236	4	0.42	0.27	-3.07	4.60e-04	-9.23e-05	-2.22e-05
5236	28	0.41	-1.66	-3.40	5.64e-04	-9.69e-05	-1.95e-05
5236	44	0.35	-2.22	-3.15	5.45e-04	-9.71e-05	-1.69e-05
5236	68	0.29	0.15	-2.19	3.33e-04	-7.20e-05	-1.60e-05
5236	80	0.28	-1.13	-2.41	4.03e-04	-7.51e-05	-1.43e-05
5236	88	0.24	-1.51	-2.24	3.90e-04	-7.53e-05	-1.25e-05
5236	98	0.22	-0.41	-1.96	3.32e-04	-7.81e-05	-1.35e-05
5236	105	0.21	-0.61	-1.92	3.31e-04	-7.83e-05	-1.28e-05
5236	107	0.21	-0.39	-1.88	3.20e-04	-7.79e-05	-1.32e-05
5236	108	8.32	0.68	-0.91	5.53e-05	1.75e-04	-4.98e-04
5236	127	-5.49	-9.05	-3.75	9.15e-04	-2.64e-04	-7.30e-05
5236	129	-1.84	-10.09	-3.49	8.58e-04	-1.51e-04	-4.12e-04
5236	140	9.33	0.81	-0.79	2.23e-05	2.07e-04	-5.59e-04
5236	159	-6.20	-10.14	-3.98	9.89e-04	-2.87e-04	-8.11e-05
5236	161	-2.10	-11.31	-3.69	9.25e-04	-1.60e-04	-4.64e-04
5236	172	8.91	0.81	-0.84	3.15e-05	1.98e-04	-5.49e-04
5236	191	-5.93	-10.02	-3.94	9.79e-04	-2.82e-04	-8.35e-05
5236	193	-2.12	-11.19	-3.68	9.18e-04	-1.59e-04	-4.65e-04
5236	204	10.18	1.00	-0.69	-1.31e-05	2.42e-04	-6.37e-04
5236	223	-6.86	-11.60	-4.27	1.09e-03	-3.14e-04	-9.91e-05
5236	225	-2.49	-12.99	-3.98	1.02e-03	-1.72e-04	-5.51e-04
5237	4	0.43	0.45	-3.04	1.36e-04	0.0	-2.71e-04
5237	28	0.43	-1.57	-3.37	1.18e-04	0.0	1.65e-04
5237	44	0.37	-2.16	-3.12	1.13e-04	0.0	2.57e-04
5237	68	0.30	0.28	-2.16	9.52e-05	0.0	-1.81e-04
5237	80	0.30	-1.07	-2.38	8.31e-05	0.0	1.09e-04
5237	88	0.26	-1.46	-2.22	8.02e-05	0.0	1.71e-04
5237	98	0.23	-0.35	-1.94	6.41e-05	0.0	8.66e-06
5237	105	0.22	-0.55	-1.89	6.39e-05	0.0	4.00e-05
5237	107	0.22	-0.33	-1.86	6.15e-05	0.0	7.69e-06
5237	108	8.25	0.47	-1.01	-1.41e-04	0.0	-4.62e-04
5237	127	-5.43	-8.60	-3.62	5.12e-04	0.0	-3.69e-05
5237	129	-1.82	-9.73	-3.41	5.13e-04	0.0	-3.63e-04
5237	140	9.25	0.57	-0.90	-1.66e-04	0.0	-5.22e-04
5237	159	-6.13	-9.63	-3.84	5.68e-04	0.0	-4.26e-05
5237	161	-2.08	-10.91	-3.60	5.69e-04	0.0	-4.11e-04
5237	172	8.82	0.57	-0.94	-1.60e-04	0.0	-5.11e-04
5237	191	-5.87	-9.52	-3.81	5.60e-04	0.0	-3.99e-05
5237	193	-2.09	-10.80	-3.59	5.62e-04	0.0	-4.06e-04
5237	204	10.08	0.71	-0.80	-1.95e-04	0.0	-5.96e-04
5237	225	-2.47	-12.54	-3.87	6.44e-04	0.0	-4.81e-04
5237	227	-5.97	-10.95	-4.13	5.83e-04	0.0	-2.65e-05
5238	4	0.42	0.37	-3.04	1.82e-04	0.0	-1.64e-04
5238	28	0.42	-1.62	-3.37	9.87e-05	0.0	8.54e-05
5238	44	0.36	-2.20	-3.12	7.93e-05	0.0	1.39e-04
5238	68	0.29	0.22	-2.16	1.26e-04	0.0	-1.10e-04
5238	80	0.29	-1.11	-2.38	7.05e-05	0.0	5.62e-05
5238	88	0.25	-1.49	-2.22	5.76e-05	0.0	9.22e-05
5238	98	0.23	-0.38	-1.94	6.60e-05	0.0	0.0
5238	105	0.21	-0.58	-1.89	6.09e-05	0.0	1.73e-05
5238	107	0.21	-0.36	-1.86	6.34e-05	0.0	-1.31e-06
5238	108	8.28	0.47	-1.01	-1.31e-04	0.0	-4.80e-04
5238	127	-5.46	-8.82	-3.62	4.89e-04	0.0	-4.68e-05

5238	129	-1.83	-9.98	-3.41	4.91e-04	0.0	-3.79e-04
5238	140	9.29	0.57	-0.90	-1.56e-04	0.0	-5.40e-04
5238	159	-6.16	-9.88	-3.84	5.43e-04	0.0	-5.29e-05
5238	161	-2.09	-11.18	-3.60	5.44e-04	0.0	-4.27e-04
5238	172	8.86	0.57	-0.94	-1.49e-04	0.0	-5.30e-04
5238	191	-5.90	-9.77	-3.81	5.35e-04	0.0	-5.29e-05
5238	193	-2.10	-11.07	-3.59	5.37e-04	0.0	-4.26e-04
5238	204	10.13	0.72	-0.80	-1.82e-04	0.0	-6.16e-04
5238	225	-2.48	-12.86	-3.87	6.15e-04	0.0	-5.05e-04
5238	227	-6.01	-11.23	-4.13	5.56e-04	0.0	-4.10e-05
5239	4	0.42	0.26	-3.04	4.60e-04	-7.88e-05	-2.28e-05
5239	28	0.41	-1.67	-3.37	5.64e-04	-8.54e-05	-2.24e-05
5239	44	0.35	-2.23	-3.12	5.46e-04	-8.57e-05	-2.01e-05
5239	68	0.29	0.15	-2.16	3.33e-04	-6.22e-05	-1.66e-05
5239	80	0.28	-1.14	-2.38	4.03e-04	-6.66e-05	-1.63e-05
5239	88	0.25	-1.51	-2.22	3.91e-04	-6.68e-05	-1.48e-05
5239	98	0.22	-0.42	-1.94	3.32e-04	-7.12e-05	-1.51e-05
5239	105	0.21	-0.61	-1.89	3.32e-04	-7.15e-05	-1.45e-05
5239	107	0.21	-0.40	-1.86	3.20e-04	-7.08e-05	-1.47e-05
5239	108	8.32	0.46	-1.01	4.51e-05	2.56e-04	-4.99e-04
5239	127	-5.49	-9.04	-3.62	9.21e-04	-3.17e-04	-7.57e-05
5239	129	-1.84	-10.21	-3.41	9.21e-04	-1.72e-04	-4.15e-04
5239	140	9.34	0.57	-0.90	1.08e-05	2.96e-04	-5.60e-04
5239	159	-6.20	-10.12	-3.84	9.95e-04	-3.47e-04	-8.39e-05
5239	161	-2.10	-11.44	-3.60	9.96e-04	-1.85e-04	-4.66e-04
5239	172	8.91	0.57	-0.93	2.03e-05	2.84e-04	-5.50e-04
5239	191	-5.93	-10.01	-3.81	9.85e-04	-3.39e-04	-8.64e-05
5239	193	-2.12	-11.33	-3.59	9.86e-04	-1.85e-04	-4.68e-04
5239	204	10.19	0.73	-0.80	-2.62e-05	3.39e-04	-6.37e-04
5239	225	-2.49	-13.15	-3.87	1.10e-03	-2.02e-04	-5.54e-04
5239	227	-6.05	-11.50	-4.13	1.01e-03	-3.52e-04	-7.86e-05
5240	4	0.35	3.04	-3.38	1.75e-03	0.0	1.56e-04
5240	19	0.09	5.68	-1.29	2.79e-03	0.0	2.77e-04
5240	28	0.35	-2.69	-3.71	-7.05e-04	0.0	-9.91e-05
5240	68	0.24	2.01	-2.42	1.17e-03	0.0	1.03e-04
5240	72	0.10	3.72	-1.45	1.87e-03	0.0	1.82e-04
5240	80	0.24	-1.81	-2.64	-4.66e-04	0.0	-6.69e-05
5240	98	0.18	-0.28	-2.19	5.55e-05	0.0	-9.47e-06
5240	105	0.17	-0.76	-2.15	-1.25e-04	0.0	-2.80e-05
5240	107	0.17	-0.27	-2.11	5.30e-05	0.0	-9.19e-06
5240	108	8.18	2.97	-1.41	5.82e-05	2.24e-06	-4.96e-04
5240	127	-5.48	-9.38	-3.80	-2.47e-05	-8.29e-06	-5.10e-05
5240	135	1.57	-9.53	-3.64	-4.17e-05	-8.68e-06	4.31e-04
5240	140	9.18	3.38	-1.32	5.88e-05	2.52e-06	-5.58e-04
5240	159	-6.18	-10.51	-4.01	-3.42e-05	-9.32e-06	-5.65e-05
5240	167	1.74	-10.68	-3.83	-5.34e-05	-9.76e-06	4.87e-04
5240	172	8.75	3.32	-1.33	5.87e-05	2.49e-06	-5.49e-04
5240	191	-5.91	-10.35	-3.98	-3.10e-05	-9.14e-06	-5.48e-05
5240	203	2.40	-10.54	-3.78	-5.15e-05	-9.57e-06	4.98e-04
5240	204	10.00	3.91	-1.21	5.97e-05	2.89e-06	-6.38e-04
5240	223	-6.82	-11.98	-4.29	-4.41e-05	-1.06e-05	-6.41e-05
5240	235	2.77	-12.22	-4.05	-6.83e-05	-1.11e-05	5.94e-04
5241	4	0.44	0.52	-2.34	3.03e-04	3.03e-04	9.42e-06
5241	28	0.43	-1.40	-2.68	4.10e-04	3.02e-04	-3.47e-05
5241	44	0.37	-1.99	-2.55	4.08e-04	2.79e-04	-4.27e-05
5241	68	0.30	0.34	-1.68	2.20e-04	2.21e-04	5.21e-06
5241	80	0.30	-0.95	-1.91	2.91e-04	2.21e-04	-2.42e-05
5241	88	0.26	-1.34	-1.82	2.89e-04	2.06e-04	-2.95e-05
5241	98	0.24	-0.24	-1.56	2.26e-04	2.02e-04	-1.27e-05
5241	105	0.22	-0.45	-1.54	2.30e-04	1.97e-04	-1.55e-05
5241	107	0.22	-0.23	-1.50	2.18e-04	1.97e-04	-1.23e-05
5241	108	8.33	7.70	-0.21	-1.90e-04	9.07e-05	-4.79e-04
5241	127	-5.48	-10.06	-3.33	8.04e-04	2.83e-04	-8.08e-05
5241	139	2.20	-11.76	-3.31	8.44e-04	1.30e-04	3.65e-04
5241	140	9.34	8.70	-0.05	-2.41e-04	7.73e-05	-5.38e-04
5241	159	-6.19	-11.28	-3.55	8.77e-04	2.94e-04	-9.00e-05
5241	171	2.45	-13.21	-3.54	9.23e-04	1.22e-04	4.13e-04
5241	172	8.92	8.53	-0.05	-2.36e-04	8.37e-05	-5.28e-04
5241	203	2.47	-13.17	-3.54	9.20e-04	1.25e-04	4.14e-04
5241	204	10.19	9.96	0.19	-3.12e-04	6.72e-05	-6.12e-04
5241	235	2.83	-15.41	-3.89	1.04e-03	1.13e-04	4.95e-04
5242	4	0.36	1.80	-3.28	1.43e-03	-3.85e-06	4.79e-04
5242	19	0.10	3.66	-1.21	2.25e-03	-6.43e-06	8.16e-04
5242	28	0.36	-2.13	-3.60	-5.44e-04	1.94e-06	-2.61e-04
5242	68	0.25	1.18	-2.34	9.55e-04	-2.56e-06	3.19e-04

5242	72	0.11	2.37	-1.38	1.52e-03	-4.28e-06	5.42e-04
5242	80	0.24	-1.44	-2.56	-3.59e-04	1.29e-06	-1.75e-04
5242	98	0.19	-0.30	-2.11	5.57e-05	0.0	-9.65e-06
5242	105	0.18	-0.64	-2.07	-8.91e-05	0.0	-6.41e-05
5242	107	0.18	-0.28	-2.03	5.32e-05	0.0	-9.37e-06
5242	108	8.21	3.54	-1.35	6.49e-05	-2.38e-06	-4.49e-04
5242	127	-5.48	-9.40	-3.66	-5.51e-06	4.96e-06	-1.44e-04
5242	139	2.14	-9.76	-3.57	-1.83e-05	5.41e-06	-5.47e-05
5242	140	9.22	4.02	-1.27	6.63e-05	-2.68e-06	-5.04e-04
5242	159	-6.18	-10.54	-3.86	-1.27e-05	5.57e-06	-1.61e-04
5242	171	2.40	-10.94	-3.76	-2.71e-05	6.09e-06	-5.99e-05
5242	172	8.79	3.95	-1.28	6.61e-05	-2.61e-06	-4.94e-04
5242	191	-5.92	-10.37	-3.83	-1.01e-05	5.45e-06	-1.66e-04
5242	203	2.42	-10.82	-3.74	-2.49e-05	6.00e-06	-5.11e-05
5242	204	10.05	4.64	-1.15	6.82e-05	-3.02e-06	-5.74e-04
5242	223	-6.84	-11.99	-4.12	-1.99e-05	6.31e-06	-1.96e-04
5242	235	2.78	-12.55	-4.02	-3.72e-05	6.98e-06	-5.23e-05
5243	4	0.44	0.96	-3.03	4.72e-04	0.0	1.25e-03
5243	28	0.44	-1.72	-3.35	-3.29e-05	0.0	-6.34e-04
5243	44	0.38	-2.45	-3.11	-1.47e-04	0.0	-1.05e-03
5243	68	0.31	0.62	-2.15	3.19e-04	0.0	8.34e-04
5243	80	0.30	-1.17	-2.37	-1.71e-05	0.0	-4.23e-04
5243	88	0.26	-1.65	-2.21	-9.33e-05	0.0	-7.02e-04
5243	98	0.24	-0.31	-1.93	7.06e-05	0.0	-5.01e-06
5243	105	0.22	-0.56	-1.89	3.39e-05	0.0	-1.44e-04
5243	107	0.22	-0.30	-1.85	6.76e-05	0.0	-5.01e-06
5243	108	8.18	0.06	-1.03	-5.18e-05	0.0	-5.00e-04
5243	129	-1.80	-9.90	-3.56	3.67e-04	0.0	-9.01e-04
5243	140	9.18	0.11	-0.93	-6.68e-05	0.0	-5.62e-04
5243	161	-2.06	-11.10	-3.77	4.05e-04	0.0	-1.01e-03
5243	172	8.75	0.12	-0.95	-6.33e-05	0.0	-5.46e-04
5243	193	-2.08	-11.00	-3.74	4.01e-04	0.0	-1.01e-03
5243	204	10.00	0.18	-0.81	-8.41e-05	0.0	-6.33e-04
5243	225	-2.45	-12.80	-4.06	4.56e-04	0.0	-1.19e-03
5244	4	0.36	2.03	-3.34	1.66e-03	0.0	3.20e-04
5244	19	0.10	4.06	-1.26	2.63e-03	0.0	5.52e-04
5244	28	0.36	-2.26	-3.67	-6.59e-04	0.0	-1.82e-04
5244	68	0.25	1.33	-2.39	1.11e-03	0.0	2.13e-04
5244	72	0.11	2.63	-1.42	1.77e-03	0.0	3.65e-04
5244	80	0.25	-1.52	-2.61	-4.36e-04	0.0	-1.22e-04
5244	98	0.19	-0.30	-2.16	5.54e-05	0.0	-9.73e-06
5244	105	0.18	-0.68	-2.12	-1.15e-04	0.0	-4.65e-05
5244	107	0.18	-0.29	-2.08	5.29e-05	0.0	-9.46e-06
5244	108	8.21	3.25	-1.39	6.74e-05	0.0	-4.78e-04
5244	127	-5.48	-9.41	-3.74	-4.56e-05	0.0	-8.43e-05
5244	139	2.15	-9.66	-3.60	-6.40e-05	0.0	3.69e-04
5244	140	9.22	3.69	-1.31	6.92e-05	0.0	-5.37e-04
5244	159	-6.18	-10.55	-3.95	-5.77e-05	0.0	-9.43e-05
5244	171	2.40	-10.83	-3.79	-7.85e-05	0.0	4.17e-04
5244	172	8.79	3.62	-1.32	6.90e-05	0.0	-5.27e-04
5244	191	-5.92	-10.38	-3.92	-5.43e-05	0.0	-9.77e-05
5244	203	2.42	-10.69	-3.76	-7.60e-05	0.0	4.18e-04
5244	204	10.05	4.26	-1.19	7.16e-05	0.0	-6.12e-04
5244	223	-6.83	-12.01	-4.21	-7.11e-05	0.0	-1.17e-04
5244	235	2.78	-12.40	-4.04	-9.68e-05	0.0	4.99e-04
5245	4	0.37	2.17	-3.38	1.76e-03	0.0	2.32e-04
5245	19	0.11	4.30	-1.29	2.81e-03	0.0	4.05e-04
5245	28	0.37	-2.34	-3.71	-7.10e-04	0.0	-1.38e-04
5245	68	0.25	1.43	-2.42	1.18e-03	0.0	1.54e-04
5245	72	0.11	2.79	-1.45	1.88e-03	0.0	2.67e-04
5245	80	0.25	-1.58	-2.64	-4.70e-04	0.0	-9.31e-05
5245	98	0.19	-0.31	-2.19	5.55e-05	0.0	-9.86e-06
5245	105	0.18	-0.70	-2.15	-1.26e-04	0.0	-3.69e-05
5245	107	0.18	-0.30	-2.11	5.30e-05	0.0	-9.58e-06
5245	108	8.22	2.93	-1.40	5.87e-05	1.58e-06	-4.92e-04
5245	127	-5.47	-9.36	-3.81	-2.70e-05	-5.62e-06	-6.12e-05
5245	135	1.59	-9.50	-3.64	-4.42e-05	-5.90e-06	3.87e-04
5245	140	9.22	3.33	-1.31	5.93e-05	1.78e-06	-5.53e-04
5245	159	-6.18	-10.49	-4.02	-3.68e-05	-6.31e-06	-6.82e-05
5245	167	1.76	-10.65	-3.83	-5.62e-05	-6.63e-06	4.37e-04
5245	172	8.79	3.27	-1.33	5.93e-05	1.76e-06	-5.43e-04
5245	191	-5.91	-10.33	-3.99	-3.36e-05	-6.20e-06	-6.98e-05
5245	203	2.42	-10.51	-3.78	-5.42e-05	-6.45e-06	4.48e-04
5245	204	10.05	3.85	-1.20	6.04e-05	2.05e-06	-6.31e-04
5245	223	-6.83	-11.95	-4.29	-4.71e-05	-7.20e-06	-8.34e-05

5245	235	2.79	-12.18	-4.04	-7.15e-05	-7.49e-06	5.35e-04
5246	4	0.39	1.09	-3.28	1.43e-03	-3.72e-06	2.48e-04
5246	28	0.39	-1.85	-3.60	-5.45e-04	1.87e-06	-1.45e-04
5246	44	0.33	-2.65	-3.35	-9.84e-04	3.12e-06	-2.30e-04
5246	68	0.27	0.70	-2.34	9.55e-04	-2.48e-06	1.64e-04
5246	80	0.27	-1.26	-2.56	-3.60e-04	1.25e-06	-9.72e-05
5246	88	0.23	-1.79	-2.39	-6.52e-04	2.08e-06	-1.54e-04
5246	98	0.21	-0.33	-2.11	5.56e-05	0.0	-9.25e-06
5246	105	0.20	-0.60	-2.07	-8.94e-05	0.0	-3.79e-05
5246	107	0.20	-0.31	-2.03	5.30e-05	0.0	-8.99e-06
5246	108	8.27	3.51	-1.35	6.49e-05	-2.18e-06	-4.72e-04
5246	127	-5.49	-9.40	-3.66	-7.05e-06	4.41e-06	-1.02e-04
5246	139	2.17	-9.75	-3.57	-2.02e-05	4.83e-06	3.66e-04
5246	140	9.28	3.98	-1.27	6.64e-05	-2.45e-06	-5.31e-04
5246	159	-6.19	-10.53	-3.86	-1.44e-05	4.95e-06	-1.14e-04
5246	171	2.42	-10.93	-3.76	-2.92e-05	5.43e-06	4.14e-04
5246	172	8.85	3.91	-1.28	6.61e-05	-2.38e-06	-5.20e-04
5246	191	-5.93	-10.36	-3.83	-1.18e-05	4.83e-06	-1.18e-04
5246	203	2.44	-10.80	-3.74	-2.69e-05	5.35e-06	4.14e-04
5246	204	10.12	4.60	-1.15	6.83e-05	-2.76e-06	-6.04e-04
5246	223	-6.85	-11.98	-4.12	-2.19e-05	5.60e-06	-1.41e-04
5246	235	2.81	-12.53	-4.02	-3.96e-05	6.23e-06	4.93e-04
5247	4	0.45	1.47	-3.03	8.09e-04	0.0	1.12e-03
5247	19	0.13	3.14	-1.07	1.20e-03	0.0	1.88e-03
5247	28	0.45	-1.98	-3.36	-2.02e-04	0.0	-5.72e-04
5247	68	0.31	0.96	-2.16	5.44e-04	0.0	7.46e-04
5247	72	0.14	2.01	-1.24	8.17e-04	0.0	1.25e-03
5247	80	0.31	-1.34	-2.38	-1.30e-04	0.0	-3.82e-04
5247	98	0.24	-0.32	-1.95	7.02e-05	0.0	-6.45e-06
5247	105	0.23	-0.62	-1.91	-3.96e-06	0.0	-1.31e-04
5247	107	0.22	-0.30	-1.87	6.73e-05	0.0	-6.37e-06
5247	108	8.19	-0.14	-1.76	1.30e-05	0.0	-5.02e-04
5247	129	-1.80	-10.25	-3.61	2.06e-04	0.0	-8.30e-04
5247	140	9.19	-0.12	-1.75	6.22e-06	0.0	-5.64e-04
5247	161	-2.06	-11.50	-3.83	2.24e-04	0.0	-9.35e-04
5247	172	8.76	-0.10	-1.74	7.18e-06	0.0	-5.49e-04
5247	193	-2.08	-11.40	-3.80	2.21e-04	0.0	-9.33e-04
5247	204	10.01	-0.07	-1.72	-2.79e-06	0.0	-6.36e-04
5247	225	-2.45	-13.26	-4.12	2.46e-04	0.0	-1.10e-03
5248	4	0.39	1.20	-3.34	1.65e-03	0.0	1.76e-04
5248	28	0.39	-1.93	-3.67	-6.58e-04	0.0	-1.10e-04
5248	44	0.33	-2.76	-3.42	-1.17e-03	0.0	-1.72e-04
5248	68	0.27	0.78	-2.39	1.11e-03	0.0	1.17e-04
5248	80	0.27	-1.30	-2.61	-4.35e-04	0.0	-7.42e-05
5248	88	0.23	-1.86	-2.44	-7.78e-04	0.0	-1.16e-04
5248	98	0.21	-0.33	-2.16	5.53e-05	0.0	-9.65e-06
5248	105	0.20	-0.62	-2.12	-1.15e-04	0.0	-3.05e-05
5248	107	0.20	-0.32	-2.08	5.28e-05	0.0	-9.38e-06
5248	108	8.27	3.20	-1.39	6.69e-05	0.0	-4.85e-04
5248	127	-5.48	-9.38	-3.74	-4.37e-05	0.0	-7.89e-05
5248	139	2.17	-9.62	-3.60	-6.20e-05	0.0	3.76e-04
5248	140	9.28	3.64	-1.31	6.85e-05	0.0	-5.45e-04
5248	159	-6.19	-10.51	-3.95	-5.55e-05	0.0	-8.82e-05
5248	171	2.42	-10.79	-3.79	-7.62e-05	0.0	4.26e-04
5248	172	8.85	3.57	-1.32	6.83e-05	0.0	-5.35e-04
5248	191	-5.93	-10.35	-3.92	-5.21e-05	0.0	-9.14e-05
5248	203	2.44	-10.65	-3.76	-7.37e-05	0.0	4.27e-04
5248	204	10.12	4.21	-1.19	7.09e-05	0.0	-6.21e-04
5248	223	-6.85	-11.97	-4.21	-6.86e-05	0.0	-1.09e-04
5248	235	2.81	-12.35	-4.04	-9.42e-05	0.0	5.10e-04
5249	4	0.40	1.29	-3.38	1.80e-03	0.0	1.59e-04
5249	19	0.12	2.89	-1.29	2.87e-03	1.01e-06	2.84e-04
5249	28	0.39	-1.98	-3.71	-7.30e-04	0.0	-1.02e-04
5249	68	0.27	0.84	-2.42	1.20e-03	0.0	1.05e-04
5249	80	0.27	-1.34	-2.64	-4.84e-04	0.0	-6.91e-05
5249	88	0.23	-1.92	-2.47	-8.58e-04	0.0	-1.07e-04
5249	98	0.21	-0.34	-2.19	5.54e-05	0.0	-1.00e-05
5249	105	0.20	-0.63	-2.15	-1.31e-04	0.0	-2.90e-05
5249	107	0.20	-0.32	-2.11	5.29e-05	0.0	-9.77e-06
5249	108	8.27	2.88	-1.40	6.11e-05	1.19e-06	-4.92e-04
5249	127	-5.48	-9.34	-3.81	-3.81e-05	-4.23e-06	-6.91e-05
5249	135	1.61	-9.47	-3.64	-5.59e-05	-4.38e-06	3.79e-04
5249	140	9.28	3.28	-1.31	6.21e-05	1.34e-06	-5.53e-04
5249	159	-6.19	-10.47	-4.02	-4.92e-05	-4.76e-06	-7.71e-05
5249	167	1.78	-10.62	-3.83	-6.94e-05	-4.92e-06	4.29e-04

5249	172	8.85	3.22	-1.33	6.20e-05	1.33e-06	-5.43e-04
5249	191	-5.92	-10.31	-3.99	-4.58e-05	-4.67e-06	-7.95e-05
5249	203	2.44	-10.48	-3.77	-6.72e-05	-4.79e-06	4.39e-04
5249	204	10.12	3.80	-1.20	6.35e-05	1.54e-06	-6.30e-04
5249	223	-6.84	-11.92	-4.29	-6.12e-05	-5.43e-06	-9.50e-05
5249	235	2.81	-12.14	-4.04	-8.66e-05	-5.56e-06	5.25e-04
5250	4	0.42	0.37	-3.28	4.56e-04	1.15e-04	1.42e-05
5250	28	0.42	-1.58	-3.60	5.60e-04	1.18e-04	-2.71e-05
5250	44	0.36	-2.16	-3.35	5.41e-04	1.16e-04	-3.49e-05
5250	68	0.29	0.22	-2.34	3.30e-04	8.85e-05	8.68e-06
5250	80	0.29	-1.08	-2.56	4.00e-04	8.99e-05	-1.89e-05
5250	88	0.25	-1.46	-2.39	3.87e-04	8.90e-05	-2.41e-05
5250	98	0.23	-0.35	-2.11	3.29e-04	8.97e-05	-8.86e-06
5250	105	0.22	-0.55	-2.07	3.28e-04	8.94e-05	-1.16e-05
5250	107	0.21	-0.34	-2.04	3.17e-04	8.93e-05	-8.63e-06
5250	108	8.32	3.47	-1.36	8.41e-05	-3.66e-05	-4.89e-04
5250	127	-5.49	-9.40	-3.66	8.77e-04	1.91e-04	-7.64e-05
5250	139	2.19	-9.74	-3.57	8.61e-04	7.36e-05	3.82e-04
5250	140	9.34	3.94	-1.27	5.49e-05	-5.23e-05	-5.50e-04
5250	159	-6.19	-10.53	-3.86	9.46e-04	2.03e-04	-8.55e-05
5250	171	2.45	-10.91	-3.76	9.29e-04	7.16e-05	4.32e-04
5250	172	8.91	3.87	-1.28	5.75e-05	-4.40e-05	-5.39e-04
5250	191	-5.93	-10.35	-3.83	9.36e-04	1.99e-04	-8.85e-05
5250	203	2.47	-10.79	-3.74	9.21e-04	7.25e-05	4.33e-04
5250	204	10.18	4.56	-1.15	1.42e-05	-6.26e-05	-6.26e-04
5250	223	-6.86	-11.97	-4.12	1.04e-03	2.16e-04	-1.06e-04
5250	235	2.83	-12.51	-4.02	1.02e-03	7.03e-05	5.17e-04
5251	4	0.46	1.92	-3.03	1.10e-03	3.25e-06	9.56e-04
5251	19	0.13	3.88	-1.10	1.69e-03	5.44e-06	1.60e-03
5251	28	0.46	-2.21	-3.36	-3.52e-04	-1.66e-06	-4.91e-04
5251	68	0.32	1.26	-2.17	7.40e-04	2.16e-06	6.37e-04
5251	72	0.14	2.50	-1.26	1.14e-03	3.62e-06	1.07e-03
5251	80	0.31	-1.49	-2.39	-2.30e-04	-1.10e-06	-3.28e-04
5251	98	0.24	-0.32	-1.96	6.90e-05	0.0	-7.10e-06
5251	105	0.23	-0.68	-1.92	-3.78e-05	0.0	-1.14e-04
5251	107	0.23	-0.31	-1.89	6.62e-05	0.0	-6.98e-06
5251	108	8.20	-0.35	-1.81	1.20e-05	0.0	-5.02e-04
5251	129	-1.80	-10.56	-3.66	1.03e-04	-7.89e-06	-7.32e-04
5251	140	9.20	-0.35	-1.80	5.33e-06	0.0	-5.64e-04
5251	161	-2.06	-11.84	-3.88	1.07e-04	-8.87e-06	-8.24e-04
5251	172	8.77	-0.33	-1.79	7.62e-06	0.0	-5.50e-04
5251	193	-2.07	-11.75	-3.85	1.03e-04	-8.78e-06	-8.24e-04
5251	204	10.02	-0.33	-1.77	-1.80e-06	0.0	-6.37e-04
5251	225	-2.45	-13.67	-4.18	1.08e-04	-1.02e-05	-9.71e-04
5252	4	0.44	0.73	-3.03	4.71e-04	0.0	8.63e-04
5252	28	0.44	-1.70	-3.35	-3.13e-05	0.0	-4.44e-04
5252	44	0.38	-2.38	-3.11	-1.45e-04	0.0	-7.33e-04
5252	68	0.30	0.46	-2.15	3.19e-04	0.0	5.75e-04
5252	80	0.30	-1.16	-2.37	-1.60e-05	0.0	-2.97e-04
5252	88	0.26	-1.61	-2.21	-9.20e-05	0.0	-4.89e-04
5252	98	0.24	-0.35	-1.93	7.10e-05	0.0	-6.91e-06
5252	105	0.22	-0.58	-1.89	3.45e-05	0.0	-1.03e-04
5252	107	0.22	-0.33	-1.85	6.81e-05	0.0	-6.79e-06
5252	108	8.24	0.06	-1.71	-4.99e-05	0.0	-5.03e-04
5252	129	-1.81	-10.08	-3.56	3.65e-04	0.0	-7.19e-04
5252	140	9.25	0.10	-1.70	-6.46e-05	0.0	-5.66e-04
5252	161	-2.07	-11.30	-3.77	4.02e-04	0.0	-8.10e-04
5252	172	8.82	0.12	-1.69	-6.12e-05	0.0	-5.51e-04
5252	193	-2.08	-11.20	-3.74	3.98e-04	0.0	-8.10e-04
5252	204	10.08	0.19	-1.66	-8.16e-05	0.0	-6.39e-04
5252	225	-2.46	-13.02	-4.06	4.52e-04	0.0	-9.55e-04
5253	4	0.43	0.50	-3.03	4.82e-04	0.0	4.43e-04
5253	28	0.43	-1.69	-3.35	-3.31e-05	0.0	-2.32e-04
5253	44	0.37	-2.31	-3.11	-1.50e-04	0.0	-3.81e-04
5253	68	0.30	0.31	-2.15	3.26e-04	0.0	2.95e-04
5253	80	0.29	-1.15	-2.37	-1.71e-05	0.0	-1.55e-04
5253	88	0.25	-1.57	-2.21	-9.52e-05	0.0	-2.55e-04
5253	98	0.23	-0.38	-1.93	7.26e-05	0.0	-6.02e-06
5253	105	0.22	-0.60	-1.89	3.50e-05	0.0	-5.57e-05
5253	107	0.22	-0.37	-1.85	6.95e-05	0.0	-5.93e-06
5253	108	8.28	0.05	-1.71	-4.40e-05	0.0	-5.00e-04
5253	129	-1.82	-10.26	-3.56	3.57e-04	0.0	-5.34e-04
5253	140	9.29	0.10	-1.70	-5.81e-05	0.0	-5.62e-04
5253	161	-2.08	-11.50	-3.77	3.93e-04	0.0	-6.02e-04
5253	172	8.86	0.11	-1.69	-5.49e-05	0.0	-5.49e-04

5253	193	-2.10	-11.40	-3.75	3.89e-04	0.0	-6.04e-04
5253	204	10.13	0.19	-1.66	-7.45e-05	0.0	-6.37e-04
5253	225	-2.47	-13.24	-4.06	4.42e-04	0.0	-7.14e-04
5254	4	0.42	0.25	-3.03	4.57e-04	2.58e-06	0.0
5254	28	0.41	-1.67	-3.35	5.36e-04	8.30e-06	2.21e-06
5254	44	0.35	-2.23	-3.11	5.14e-04	2.72e-05	2.52e-06
5254	68	0.29	0.14	-2.15	3.31e-04	1.26e-05	0.0
5254	80	0.28	-1.14	-2.37	3.83e-04	1.64e-05	1.19e-06
5254	88	0.25	-1.52	-2.21	3.68e-04	2.90e-05	1.39e-06
5254	98	0.22	-0.42	-1.93	3.19e-04	3.43e-05	0.0
5254	105	0.21	-0.62	-1.89	3.17e-04	3.87e-05	0.0
5254	107	0.21	-0.40	-1.85	3.08e-04	3.80e-05	0.0
5254	108	8.32	0.04	-1.72	2.33e-05	1.15e-04	-4.80e-04
5254	129	-1.84	-10.43	-3.56	9.04e-04	1.29e-04	-3.88e-04
5254	140	9.34	0.10	-1.70	-1.22e-05	1.24e-04	-5.40e-04
5254	161	-2.10	-11.69	-3.77	9.78e-04	1.40e-04	-4.38e-04
5254	172	8.91	0.11	-1.69	-2.43e-06	1.22e-04	-5.30e-04
5254	193	-2.11	-11.59	-3.75	9.68e-04	1.40e-04	-4.39e-04
5254	204	10.18	0.19	-1.66	-5.07e-05	1.35e-04	-6.17e-04
5254	225	-2.49	-13.46	-4.06	1.08e-03	1.59e-04	-5.22e-04
5255	4	0.44	1.07	-3.03	8.06e-04	0.0	7.76e-04
5255	28	0.44	-1.88	-3.36	-2.01e-04	0.0	-3.99e-04
5255	44	0.38	-2.67	-3.13	-4.27e-04	0.0	-6.59e-04
5255	68	0.31	0.69	-2.16	5.42e-04	0.0	5.17e-04
5255	80	0.31	-1.28	-2.38	-1.29e-04	0.0	-2.67e-04
5255	88	0.26	-1.80	-2.23	-2.80e-04	0.0	-4.40e-04
5255	98	0.24	-0.35	-1.95	7.02e-05	0.0	-6.40e-06
5255	105	0.23	-0.62	-1.91	-3.60e-06	0.0	-9.31e-05
5255	107	0.23	-0.34	-1.87	6.73e-05	0.0	-6.31e-06
5255	108	8.24	-0.15	-1.77	1.32e-05	0.0	-5.02e-04
5255	129	-1.81	-10.35	-3.61	2.04e-04	0.0	-6.77e-04
5255	140	9.24	-0.13	-1.75	6.46e-06	0.0	-5.65e-04
5255	161	-2.07	-11.61	-3.83	2.21e-04	0.0	-7.62e-04
5255	172	8.82	-0.11	-1.74	7.42e-06	0.0	-5.50e-04
5255	193	-2.08	-11.51	-3.80	2.18e-04	0.0	-7.63e-04
5255	204	10.08	-0.07	-1.72	-2.51e-06	0.0	-6.38e-04
5255	225	-2.46	-13.38	-4.12	2.43e-04	0.0	-9.00e-04
5256	4	0.43	0.67	-3.03	8.16e-04	0.0	3.98e-04
5256	28	0.43	-1.78	-3.36	-2.06e-04	0.0	-2.07e-04
5256	44	0.37	-2.46	-3.13	-4.35e-04	0.0	-3.41e-04
5256	68	0.30	0.42	-2.16	5.49e-04	0.0	2.65e-04
5256	80	0.29	-1.21	-2.38	-1.32e-04	0.0	-1.39e-04
5256	88	0.25	-1.66	-2.23	-2.85e-04	0.0	-2.28e-04
5256	98	0.23	-0.39	-1.95	7.02e-05	0.0	-4.97e-06
5256	105	0.22	-0.62	-1.91	-4.73e-06	0.0	-4.95e-05
5256	107	0.22	-0.37	-1.87	6.73e-05	0.0	-4.94e-06
5256	108	8.29	-0.16	-1.77	1.37e-05	0.0	-4.98e-04
5256	129	-1.82	-10.45	-3.61	1.98e-04	0.0	-5.15e-04
5256	140	9.29	-0.13	-1.75	6.98e-06	0.0	-5.60e-04
5256	161	-2.08	-11.71	-3.83	2.14e-04	0.0	-5.81e-04
5256	172	8.87	-0.11	-1.74	7.96e-06	0.0	-5.47e-04
5256	193	-2.10	-11.61	-3.80	2.12e-04	0.0	-5.83e-04
5256	204	10.13	-0.07	-1.72	-1.88e-06	0.0	-6.36e-04
5256	225	-2.47	-13.50	-4.12	2.35e-04	0.0	-6.90e-04
5257	4	0.42	0.25	-3.03	4.54e-04	-5.36e-06	1.72e-06
5257	28	0.41	-1.67	-3.36	5.08e-04	0.0	0.0
5257	44	0.35	-2.23	-3.13	4.82e-04	1.95e-05	0.0
5257	68	0.29	0.14	-2.16	3.28e-04	6.42e-06	0.0
5257	80	0.28	-1.14	-2.38	3.63e-04	1.02e-05	0.0
5257	88	0.25	-1.52	-2.23	3.46e-04	2.30e-05	0.0
5257	98	0.22	-0.42	-1.95	3.06e-04	2.76e-05	-1.22e-06
5257	105	0.21	-0.62	-1.91	3.03e-04	3.21e-05	-1.21e-06
5257	107	0.21	-0.40	-1.87	2.95e-04	3.15e-05	-1.37e-06
5257	108	8.32	-0.16	-1.77	1.18e-05	1.09e-04	-4.81e-04
5257	129	-1.84	-10.54	-3.61	8.80e-04	1.23e-04	-3.90e-04
5257	140	9.33	-0.14	-1.75	-2.35e-05	1.18e-04	-5.41e-04
5257	161	-2.10	-11.81	-3.83	9.53e-04	1.34e-04	-4.40e-04
5257	172	8.91	-0.12	-1.74	-1.37e-05	1.15e-04	-5.31e-04
5257	193	-2.11	-11.71	-3.80	9.44e-04	1.34e-04	-4.41e-04
5257	204	10.18	-0.07	-1.72	-6.17e-05	1.29e-04	-6.18e-04
5257	225	-2.49	-13.61	-4.12	1.05e-03	1.53e-04	-5.24e-04
5258	4	0.45	1.37	-3.03	1.10e-03	4.32e-06	6.64e-04
5258	19	0.13	3.04	-1.10	1.69e-03	7.23e-06	1.11e-03
5258	28	0.45	-2.03	-3.36	-3.51e-04	-2.20e-06	-3.43e-04
5258	68	0.31	0.89	-2.17	7.38e-04	2.88e-06	4.42e-04

5258	80	0.31	-1.38	-2.39	-2.29e-04	-1.47e-06	-2.29e-04
5258	88	0.27	-1.97	-2.24	-4.45e-04	-2.43e-06	-3.77e-04
5258	98	0.24	-0.35	-1.96	6.90e-05	0.0	-6.16e-06
5258	105	0.23	-0.66	-1.92	-3.77e-05	0.0	-8.04e-05
5258	107	0.23	-0.34	-1.89	6.61e-05	0.0	-6.08e-06
5258	108	8.24	-0.35	-1.81	1.14e-05	0.0	-5.01e-04
5258	129	-1.80	-10.59	-3.66	1.02e-04	-8.12e-06	-6.14e-04
5258	140	9.24	-0.36	-1.80	4.60e-06	0.0	-5.63e-04
5258	161	-2.06	-11.88	-3.88	1.06e-04	-9.13e-06	-6.91e-04
5258	172	8.82	-0.33	-1.79	6.96e-06	0.0	-5.50e-04
5258	193	-2.08	-11.78	-3.85	1.02e-04	-9.04e-06	-6.92e-04
5258	204	10.07	-0.34	-1.77	-2.55e-06	0.0	-6.37e-04
5258	225	-2.45	-13.71	-4.18	1.07e-04	-1.05e-05	-8.18e-04
5259	4	0.43	0.82	-3.03	1.11e-03	4.23e-06	3.42e-04
5259	28	0.43	-1.86	-3.36	-3.56e-04	-2.17e-06	-1.78e-04
5259	44	0.37	-2.58	-3.14	-6.84e-04	-3.58e-06	-2.93e-04
5259	68	0.30	0.52	-2.17	7.45e-04	2.82e-06	2.27e-04
5259	80	0.29	-1.26	-2.39	-2.33e-04	-1.45e-06	-1.19e-04
5259	88	0.26	-1.75	-2.24	-4.51e-04	-2.39e-06	-1.96e-04
5259	98	0.23	-0.39	-1.96	6.88e-05	0.0	-4.65e-06
5259	105	0.22	-0.64	-1.92	-3.91e-05	0.0	-4.29e-05
5259	107	0.22	-0.37	-1.89	6.59e-05	0.0	-4.65e-06
5259	108	8.28	-0.36	-1.81	8.13e-06	0.0	-4.96e-04
5259	129	-1.82	-10.62	-3.66	1.02e-04	-7.89e-06	-4.90e-04
5259	140	9.29	-0.37	-1.80	1.00e-06	0.0	-5.58e-04
5259	161	-2.08	-11.91	-3.88	1.06e-04	-8.88e-06	-5.53e-04
5259	172	8.86	-0.34	-1.79	3.56e-06	0.0	-5.46e-04
5259	193	-2.10	-11.81	-3.85	1.02e-04	-8.79e-06	-5.55e-04
5259	204	10.13	-0.34	-1.77	-6.47e-06	0.0	-6.34e-04
5259	225	-2.47	-13.74	-4.18	1.07e-04	-1.02e-05	-6.58e-04
5260	4	0.42	0.25	-3.03	4.51e-04	-1.93e-05	1.22e-05
5260	28	0.41	-1.67	-3.36	4.79e-04	-1.36e-05	-8.09e-06
5260	44	0.35	-2.23	-3.14	4.50e-04	6.03e-06	-1.23e-05
5260	68	0.29	0.14	-2.17	3.25e-04	-4.27e-06	7.62e-06
5260	80	0.28	-1.14	-2.39	3.43e-04	0.0	-5.91e-06
5260	88	0.25	-1.52	-2.24	3.23e-04	1.26e-05	-8.74e-06
5260	98	0.22	-0.42	-1.96	2.93e-04	1.68e-05	-2.63e-06
5260	105	0.21	-0.62	-1.92	2.88e-04	2.13e-05	-3.99e-06
5260	107	0.21	-0.40	-1.89	2.82e-04	2.07e-05	-2.75e-06
5260	108	8.32	-0.37	-1.81	0.0	9.83e-05	-4.84e-04
5260	129	-1.84	-10.64	-3.66	8.56e-04	1.12e-04	-4.00e-04
5260	140	9.33	-0.37	-1.80	-3.48e-05	1.08e-04	-5.45e-04
5260	161	-2.10	-11.93	-3.88	9.28e-04	1.24e-04	-4.51e-04
5260	172	8.91	-0.35	-1.79	-2.50e-05	1.05e-04	-5.34e-04
5260	193	-2.11	-11.84	-3.85	9.19e-04	1.23e-04	-4.52e-04
5260	204	10.18	-0.34	-1.77	-7.27e-05	1.18e-04	-6.21e-04
5260	225	-2.49	-13.76	-4.18	1.02e-03	1.42e-04	-5.37e-04
5261	19	0.08	3.05	-1.08	-2.99e-03	0.0	-2.22e-04
5261	28	0.22	-1.73	-3.16	1.07e-03	0.0	6.76e-05
5261	72	0.09	1.98	-1.24	-1.97e-03	0.0	-1.48e-04
5261	80	0.15	-1.17	-2.26	7.21e-04	0.0	4.50e-05
5261	98	0.13	-0.22	-1.88	8.11e-05	0.0	0.0
5261	105	0.12	-0.51	-1.85	2.87e-04	0.0	1.48e-05
5261	107	0.12	-0.21	-1.81	7.80e-05	0.0	0.0
5261	113	6.72	-6.15	-2.90	-5.65e-05	0.0	-4.11e-04
5261	129	-1.51	-9.82	-3.80	1.27e-03	0.0	-3.33e-04
5261	145	7.54	-6.90	-3.04	-7.36e-05	0.0	-4.63e-04
5261	161	-1.72	-11.03	-4.05	1.42e-03	0.0	-3.75e-04
5261	177	7.20	-6.78	-2.99	-6.26e-05	0.0	-4.55e-04
5261	193	-1.73	-10.97	-4.02	1.40e-03	0.0	-3.74e-04
5261	209	8.23	-7.85	-3.18	-8.26e-05	0.0	-5.30e-04
5261	225	-2.02	-12.81	-4.39	1.62e-03	0.0	-4.44e-04
5262	19	0.08	2.99	-1.08	-2.92e-03	0.0	-2.11e-04
5262	28	0.22	-1.71	-3.16	1.05e-03	0.0	6.43e-05
5262	72	0.09	1.93	-1.24	-1.93e-03	0.0	-1.41e-04
5262	80	0.15	-1.16	-2.26	7.05e-04	0.0	4.28e-05
5262	98	0.12	-0.22	-1.88	7.85e-05	0.0	0.0
5262	105	0.12	-0.51	-1.85	2.80e-04	0.0	1.41e-05
5262	107	0.12	-0.21	-1.81	7.55e-05	0.0	0.0
5262	113	6.72	-6.29	-2.90	-6.93e-05	0.0	-4.11e-04
5262	129	-1.51	-9.87	-3.75	1.24e-03	0.0	-3.33e-04
5262	145	7.54	-7.05	-3.04	-8.76e-05	0.0	-4.63e-04
5262	161	-1.72	-11.08	-3.99	1.39e-03	0.0	-3.75e-04
5262	177	7.19	-6.93	-3.01	-7.64e-05	0.0	-4.55e-04
5262	193	-1.73	-11.03	-3.97	1.37e-03	0.0	-3.74e-04

5262	209	8.23	-8.03	-3.20	-9.82e-05	0.0	-5.30e-04
5262	225	-2.03	-12.88	-4.34	1.58e-03	0.0	-4.44e-04
5263	19	0.11	4.58	-1.08	-2.11e-03	0.0	-4.58e-04
5263	28	0.32	-2.28	-3.15	7.98e-04	0.0	1.40e-04
5263	72	0.12	2.98	-1.24	-1.39e-03	0.0	-3.05e-04
5263	80	0.22	-1.54	-2.25	5.37e-04	0.0	9.32e-05
5263	98	0.18	-0.26	-1.87	7.43e-05	0.0	0.0
5263	105	0.17	-0.66	-1.85	2.21e-04	0.0	3.13e-05
5263	107	0.17	-0.25	-1.81	7.15e-05	0.0	0.0
5263	108	7.25	-1.49	-0.61	-5.26e-04	0.0	-5.41e-04
5263	129	-1.59	-10.46	-3.80	1.10e-03	0.0	5.55e-05
5263	140	8.13	-1.65	-0.46	-6.01e-04	0.0	-6.10e-04
5263	161	-1.82	-11.75	-4.05	1.23e-03	0.0	6.17e-05
5263	172	7.75	-1.61	-0.50	-5.81e-04	0.0	-6.00e-04
5263	193	-1.83	-11.68	-4.03	1.21e-03	0.0	5.14e-05
5263	204	8.86	-1.83	-0.29	-6.85e-04	0.0	-7.01e-04
5263	225	-2.16	-13.63	-4.40	1.40e-03	0.0	5.34e-05
5264	19	0.11	4.44	-1.08	-2.03e-03	0.0	-4.45e-04
5264	28	0.32	-2.23	-3.16	7.73e-04	0.0	1.36e-04
5264	72	0.12	2.89	-1.24	-1.33e-03	0.0	-2.96e-04
5264	80	0.22	-1.51	-2.26	5.20e-04	0.0	9.05e-05
5264	98	0.18	-0.26	-1.88	7.40e-05	0.0	0.0
5264	105	0.17	-0.65	-1.85	2.16e-04	0.0	3.04e-05
5264	107	0.17	-0.25	-1.81	7.12e-05	0.0	0.0
5264	108	7.24	-1.64	-1.94	-5.19e-04	0.0	-5.42e-04
5264	129	-1.59	-10.49	-3.75	1.07e-03	0.0	5.53e-05
5264	140	8.13	-1.82	-1.96	-5.92e-04	0.0	-6.10e-04
5264	161	-1.82	-11.78	-3.99	1.19e-03	0.0	6.15e-05
5264	172	7.75	-1.77	-1.94	-5.73e-04	0.0	-6.00e-04
5264	193	-1.83	-11.72	-3.97	1.18e-03	0.0	5.12e-05
5264	204	8.86	-2.02	-1.96	-6.75e-04	0.0	-7.01e-04
5264	225	-2.16	-13.68	-4.34	1.36e-03	0.0	5.33e-05
5265	4	0.42	2.89	-2.81	-3.69e-04	0.0	-4.07e-04
5265	19	0.14	5.45	-1.08	-7.60e-04	0.0	-6.77e-04
5265	28	0.42	-2.62	-3.16	3.84e-04	0.0	2.04e-04
5265	68	0.30	1.90	-2.03	-2.41e-04	0.0	-2.72e-04
5265	72	0.15	3.56	-1.24	-4.88e-04	0.0	-4.52e-04
5265	80	0.29	-1.77	-2.26	2.61e-04	0.0	1.36e-04
5265	98	0.24	-0.30	-1.87	6.98e-05	0.0	0.0
5265	105	0.22	-0.76	-1.85	1.27e-04	0.0	4.48e-05
5265	107	0.22	-0.29	-1.81	6.71e-05	0.0	0.0
5265	108	7.76	-1.54	-1.94	-3.61e-04	0.0	-5.57e-04
5265	129	-1.68	-10.98	-3.80	8.18e-04	0.0	9.05e-05
5265	140	8.71	-1.70	-1.95	-4.14e-04	0.0	-6.27e-04
5265	161	-1.92	-12.33	-4.04	9.11e-04	0.0	1.01e-04
5265	172	8.30	-1.65	-1.93	-4.00e-04	0.0	-6.16e-04
5265	193	-1.93	-12.26	-4.02	9.00e-04	0.0	8.77e-05
5265	204	9.49	-1.87	-1.94	-4.74e-04	0.0	-7.19e-04
5265	225	-2.28	-14.30	-4.39	1.04e-03	0.0	9.43e-05
5266	4	0.43	2.77	-2.82	-3.30e-04	0.0	-3.96e-04
5266	19	0.14	5.25	-1.08	-6.96e-04	0.0	-6.59e-04
5266	28	0.42	-2.56	-3.16	3.65e-04	0.0	1.98e-04
5266	68	0.30	1.82	-2.03	-2.15e-04	0.0	-2.64e-04
5266	72	0.15	3.42	-1.24	-4.45e-04	0.0	-4.40e-04
5266	80	0.30	-1.73	-2.26	2.49e-04	0.0	1.32e-04
5266	98	0.24	-0.30	-1.88	7.02e-05	0.0	0.0
5266	105	0.22	-0.75	-1.85	1.23e-04	0.0	4.36e-05
5266	107	0.22	-0.29	-1.81	6.75e-05	0.0	0.0
5266	108	7.77	-1.69	-1.94	-3.51e-04	0.0	-5.56e-04
5266	129	-1.68	-11.00	-3.75	7.90e-04	0.0	9.21e-05
5266	140	8.71	-1.87	-1.96	-4.04e-04	0.0	-6.26e-04
5266	161	-1.92	-12.34	-4.00	8.80e-04	0.0	1.03e-04
5266	172	8.30	-1.82	-1.94	-3.90e-04	0.0	-6.16e-04
5266	193	-1.93	-12.28	-3.98	8.70e-04	0.0	8.93e-05
5266	204	9.49	-2.07	-1.96	-4.62e-04	0.0	-7.18e-04
5266	225	-2.28	-14.33	-4.34	1.00e-03	0.0	9.61e-05
5267	4	0.50	2.89	-2.83	6.07e-04	0.0	-5.38e-04
5267	19	0.16	5.53	-1.09	8.73e-04	0.0	-8.93e-04
5267	28	0.50	-2.72	-3.18	-1.11e-04	0.0	2.66e-04
5267	68	0.35	1.90	-2.04	4.10e-04	0.0	-3.59e-04
5267	72	0.17	3.60	-1.24	6.00e-04	0.0	-5.96e-04
5267	80	0.35	-1.84	-2.27	-6.94e-05	0.0	1.77e-04
5267	98	0.28	-0.34	-1.88	6.67e-05	0.0	-2.28e-06
5267	105	0.26	-0.80	-1.86	1.46e-05	0.0	5.77e-05
5267	107	0.26	-0.32	-1.82	6.41e-05	0.0	-2.26e-06

5267	108	8.21	-1.57	-1.94	-1.30e-04	0.0	-5.68e-04
5267	129	-1.76	-11.34	-3.79	4.27e-04	0.0	1.25e-04
5267	140	9.21	-1.73	-1.95	-1.55e-04	0.0	-6.40e-04
5267	161	-2.01	-12.72	-4.03	4.73e-04	0.0	1.39e-04
5267	172	8.78	-1.68	-1.93	-1.48e-04	0.0	-6.29e-04
5267	193	-2.03	-12.65	-4.01	4.69e-04	0.0	1.24e-04
5267	204	10.02	-1.90	-1.95	-1.81e-04	0.0	-7.33e-04
5267	225	-2.40	-14.75	-4.38	5.36e-04	0.0	1.36e-04
5268	4	0.51	2.71	-2.82	5.98e-04	0.0	-4.78e-04
5268	19	0.17	5.22	-1.08	8.56e-04	0.0	-7.93e-04
5268	28	0.51	-2.63	-3.16	-1.06e-04	0.0	2.36e-04
5268	68	0.35	1.78	-2.03	4.03e-04	0.0	-3.19e-04
5268	72	0.18	3.39	-1.24	5.89e-04	0.0	-5.29e-04
5268	80	0.35	-1.78	-2.26	-6.55e-05	0.0	1.57e-04
5268	98	0.28	-0.34	-1.87	6.72e-05	0.0	-2.36e-06
5268	105	0.27	-0.78	-1.85	1.62e-05	0.0	5.09e-05
5268	107	0.27	-0.32	-1.81	6.46e-05	0.0	-2.34e-06
5268	108	8.21	-1.73	-1.94	-1.40e-04	0.0	-5.71e-04
5268	129	-1.75	-11.32	-3.75	4.40e-04	0.0	1.15e-04
5268	140	9.21	-1.91	-1.96	-1.65e-04	0.0	-6.43e-04
5268	161	-2.01	-12.71	-4.00	4.87e-04	0.0	1.29e-04
5268	172	8.78	-1.85	-1.94	-1.58e-04	0.0	-6.31e-04
5268	193	-2.02	-12.64	-3.98	4.82e-04	0.0	1.14e-04
5268	204	10.03	-2.10	-1.96	-1.93e-04	0.0	-7.36e-04
5268	225	-2.40	-14.74	-4.34	5.52e-04	0.0	1.24e-04
5269	19	0.08	2.93	-1.08	-2.82e-03	0.0	-2.00e-04
5269	28	0.22	-1.69	-3.16	1.02e-03	0.0	6.10e-05
5269	72	0.08	1.89	-1.23	-1.86e-03	0.0	-1.33e-04
5269	80	0.15	-1.14	-2.26	6.83e-04	0.0	4.06e-05
5269	98	0.12	-0.22	-1.87	7.74e-05	0.0	0.0
5269	105	0.12	-0.51	-1.85	2.72e-04	0.0	1.33e-05
5269	107	0.12	-0.21	-1.81	7.45e-05	0.0	0.0
5269	113	6.72	-6.42	-2.92	-8.00e-05	0.0	-4.11e-04
5269	129	-1.51	-9.92	-3.70	1.21e-03	0.0	-3.33e-04
5269	145	7.54	-7.20	-3.06	-9.95e-05	0.0	-4.63e-04
5269	161	-1.72	-11.14	-3.94	1.35e-03	0.0	-3.75e-04
5269	177	7.20	-7.07	-3.04	-8.81e-05	0.0	-4.55e-04
5269	193	-1.73	-11.09	-3.92	1.33e-03	0.0	-3.74e-04
5269	209	8.23	-8.20	-3.24	-1.12e-04	0.0	-5.30e-04
5269	225	-2.03	-12.96	-4.29	1.54e-03	0.0	-4.44e-04
5270	19	0.11	4.31	-1.08	-1.94e-03	0.0	-4.31e-04
5270	28	0.32	-2.19	-3.17	7.47e-04	0.0	1.32e-04
5270	72	0.12	2.80	-1.24	-1.28e-03	0.0	-2.87e-04
5270	80	0.22	-1.48	-2.26	5.03e-04	0.0	8.78e-05
5270	98	0.18	-0.26	-1.88	7.39e-05	0.0	0.0
5270	105	0.17	-0.64	-1.85	2.10e-04	0.0	2.95e-05
5270	107	0.17	-0.25	-1.81	7.11e-05	0.0	0.0
5270	108	7.24	-1.79	-1.97	-5.10e-04	0.0	-5.42e-04
5270	129	-1.59	-10.52	-3.70	1.04e-03	0.0	5.52e-05
5270	140	8.13	-1.99	-1.98	-5.83e-04	0.0	-6.10e-04
5270	161	-1.82	-11.81	-3.94	1.16e-03	0.0	6.14e-05
5270	172	7.75	-1.93	-1.98	-5.64e-04	0.0	-6.00e-04
5270	193	-1.83	-11.76	-3.93	1.14e-03	0.0	5.10e-05
5270	204	8.86	-2.21	-2.01	-6.64e-04	0.0	-7.01e-04
5270	225	-2.16	-13.73	-4.29	1.32e-03	0.0	5.31e-05
5271	4	0.43	2.65	-2.82	-2.97e-04	0.0	-3.86e-04
5271	19	0.14	5.06	-1.08	-6.42e-04	0.0	-6.41e-04
5271	28	0.43	-2.50	-3.16	3.50e-04	0.0	1.93e-04
5271	68	0.30	1.75	-2.03	-1.93e-04	0.0	-2.57e-04
5271	72	0.15	3.29	-1.23	-4.09e-04	0.0	-4.28e-04
5271	80	0.30	-1.69	-2.26	2.38e-04	0.0	1.29e-04
5271	98	0.24	-0.30	-1.87	7.06e-05	0.0	0.0
5271	105	0.23	-0.73	-1.85	1.20e-04	0.0	4.24e-05
5271	107	0.22	-0.29	-1.81	6.79e-05	0.0	0.0
5271	108	7.77	-1.85	-1.96	-3.51e-04	0.0	-5.56e-04
5271	129	-1.67	-11.00	-3.71	7.78e-04	0.0	9.36e-05
5271	140	8.71	-2.05	-1.98	-4.04e-04	0.0	-6.26e-04
5271	161	-1.92	-12.35	-3.95	8.67e-04	0.0	1.04e-04
5271	172	8.31	-1.99	-1.97	-3.90e-04	0.0	-6.15e-04
5271	193	-1.93	-12.29	-3.93	8.56e-04	0.0	9.09e-05
5271	204	9.49	-2.27	-2.00	-4.62e-04	0.0	-7.18e-04
5271	225	-2.28	-14.35	-4.29	9.88e-04	0.0	9.80e-05
5272	4	0.52	2.60	-2.79	5.95e-04	0.0	-4.24e-04
5272	19	0.17	5.05	-1.07	8.50e-04	0.0	-7.02e-04
5272	28	0.52	-2.58	-3.14	-1.03e-04	0.0	2.08e-04

5272	68	0.36	1.71	-2.01	4.01e-04	0.0	-2.83e-04
5272	72	0.18	3.27	-1.22	5.85e-04	0.0	-4.69e-04
5272	80	0.36	-1.74	-2.24	-6.37e-05	0.0	1.39e-04
5272	98	0.29	-0.34	-1.86	6.76e-05	0.0	-2.47e-06
5272	105	0.27	-0.77	-1.84	1.71e-05	0.0	4.47e-05
5272	107	0.27	-0.32	-1.80	6.50e-05	0.0	-2.44e-06
5272	108	8.22	-1.89	-1.94	-1.46e-04	0.0	-5.74e-04
5272	129	-1.74	-11.34	-3.72	4.48e-04	0.0	1.06e-04
5272	140	9.21	-2.09	-1.96	-1.73e-04	0.0	-6.46e-04
5272	161	-2.00	-12.73	-3.96	4.96e-04	0.0	1.18e-04
5272	172	8.79	-2.03	-1.95	-1.65e-04	0.0	-6.34e-04
5272	193	-2.02	-12.66	-3.94	4.91e-04	0.0	1.04e-04
5272	204	10.03	-2.31	-1.98	-2.01e-04	0.0	-7.39e-04
5272	225	-2.39	-14.77	-4.31	5.63e-04	0.0	1.13e-04
5273	4	0.46	2.23	-2.84	1.40e-03	0.0	-3.59e-04
5273	19	0.14	4.50	-1.09	2.20e-03	0.0	-5.94e-04
5273	28	0.46	-2.49	-3.18	-5.14e-04	0.0	1.75e-04
5273	68	0.32	1.46	-2.05	9.41e-04	0.0	-2.40e-04
5273	72	0.16	2.90	-1.25	1.49e-03	0.0	-3.97e-04
5273	80	0.32	-1.69	-2.28	-3.38e-04	0.0	1.16e-04
5273	98	0.25	-0.37	-1.89	6.49e-05	0.0	-3.41e-06
5273	105	0.24	-0.77	-1.86	-7.60e-05	0.0	3.65e-05
5273	107	0.24	-0.35	-1.83	6.24e-05	0.0	-3.41e-06
5273	108	8.25	-1.59	-1.94	2.86e-05	0.0	-5.80e-04
5273	129	-1.79	-11.42	-3.78	1.10e-04	0.0	7.02e-05
5273	140	9.25	-1.75	-1.96	2.45e-05	0.0	-6.52e-04
5273	161	-2.05	-12.81	-4.03	1.16e-04	0.0	7.85e-05
5273	172	8.82	-1.69	-1.94	2.53e-05	0.0	-6.41e-04
5273	193	-2.07	-12.73	-4.01	1.14e-04	0.0	6.60e-05
5273	204	10.08	-1.91	-1.95	1.90e-05	0.0	-7.47e-04
5273	225	-2.44	-14.84	-4.37	1.23e-04	0.0	6.99e-05
5274	4	0.47	2.14	-2.82	1.35e-03	0.0	-3.77e-04
5274	19	0.15	4.34	-1.08	2.11e-03	0.0	-6.24e-04
5274	28	0.47	-2.44	-3.16	-4.84e-04	0.0	1.84e-04
5274	68	0.32	1.40	-2.03	9.02e-04	0.0	-2.52e-04
5274	72	0.16	2.80	-1.24	1.42e-03	0.0	-4.17e-04
5274	80	0.32	-1.65	-2.26	-3.18e-04	0.0	1.22e-04
5274	98	0.26	-0.37	-1.87	6.54e-05	0.0	-3.33e-06
5274	105	0.24	-0.76	-1.85	-6.90e-05	0.0	3.85e-05
5274	107	0.24	-0.35	-1.81	6.28e-05	0.0	-3.32e-06
5274	108	8.25	-1.75	-1.94	2.13e-05	0.0	-5.78e-04
5274	129	-1.79	-11.44	-3.75	1.52e-04	0.0	7.31e-05
5274	140	9.25	-1.93	-1.96	1.61e-05	0.0	-6.51e-04
5274	161	-2.05	-12.84	-4.00	1.63e-04	0.0	8.18e-05
5274	172	8.82	-1.87	-1.94	1.73e-05	0.0	-6.39e-04
5274	193	-2.06	-12.77	-3.98	1.62e-04	0.0	6.91e-05
5274	204	10.08	-2.12	-1.96	9.99e-06	0.0	-7.45e-04
5274	225	-2.43	-14.89	-4.34	1.78e-04	0.0	7.33e-05
5275	4	0.43	1.31	-2.85	1.86e-03	0.0	-1.92e-04
5275	19	0.14	3.03	-1.09	2.96e-03	0.0	-3.15e-04
5275	28	0.43	-2.12	-3.19	-7.41e-04	0.0	8.95e-05
5275	68	0.30	0.85	-2.05	1.24e-03	0.0	-1.28e-04
5275	80	0.30	-1.44	-2.28	-4.89e-04	0.0	5.91e-05
5275	88	0.26	-2.04	-2.16	-8.74e-04	0.0	1.01e-04
5275	98	0.23	-0.40	-1.89	6.42e-05	0.0	-4.34e-06
5275	105	0.22	-0.71	-1.87	-1.27e-04	0.0	1.68e-05
5275	107	0.22	-0.38	-1.83	6.17e-05	0.0	-4.35e-06
5275	108	8.28	-1.60	-1.94	2.56e-05	0.0	-4.67e-04
5275	129	-1.82	-11.39	-3.78	-4.52e-05	0.0	-3.74e-04
5275	140	9.29	-1.76	-1.96	2.11e-05	0.0	-5.26e-04
5275	161	-2.08	-12.78	-4.02	-5.86e-05	0.0	-4.21e-04
5275	172	8.86	-1.71	-1.94	2.27e-05	0.0	-5.18e-04
5275	193	-2.09	-12.70	-4.00	-5.84e-05	0.0	-4.18e-04
5275	204	10.13	-1.92	-1.95	1.64e-05	0.0	-6.03e-04
5275	225	-2.47	-14.80	-4.37	-7.90e-05	0.0	-4.94e-04
5276	4	0.44	1.26	-2.82	1.78e-03	0.0	-2.12e-04
5276	28	0.43	-2.10	-3.16	-7.04e-04	0.0	9.98e-05
5276	44	0.37	-2.98	-2.99	-1.26e-03	0.0	1.70e-04
5276	68	0.30	0.82	-2.03	1.19e-03	0.0	-1.42e-04
5276	80	0.30	-1.43	-2.26	-4.65e-04	0.0	6.59e-05
5276	88	0.26	-2.02	-2.14	-8.33e-04	0.0	1.13e-04
5276	98	0.24	-0.40	-1.87	6.47e-05	0.0	-4.22e-06
5276	105	0.22	-0.70	-1.85	-1.18e-04	0.0	1.91e-05
5276	107	0.22	-0.39	-1.81	6.22e-05	0.0	-4.24e-06
5276	108	8.28	-1.76	-1.94	2.19e-05	0.0	-4.67e-04

5276	129	-1.81	-11.44	-3.75	-1.63e-06	0.0	-3.74e-04
5276	140	9.29	-1.94	-1.96	1.68e-05	0.0	-5.25e-04
5276	161	-2.07	-12.84	-4.00	-9.69e-06	0.0	-4.21e-04
5276	172	8.86	-1.88	-1.94	1.80e-05	0.0	-5.17e-04
5276	193	-2.09	-12.76	-3.98	-9.98e-06	0.0	-4.18e-04
5276	204	10.13	-2.12	-1.96	1.07e-05	0.0	-6.03e-04
5276	225	-2.46	-14.88	-4.34	-2.26e-05	0.0	-4.94e-04
5277	4	0.41	0.24	-2.85	4.34e-04	-1.35e-04	-2.63e-05
5277	28	0.41	-1.68	-3.19	3.08e-04	-1.30e-04	4.58e-06
5277	44	0.35	-2.24	-3.02	2.57e-04	-1.12e-04	1.21e-05
5277	68	0.28	0.13	-2.05	3.06e-04	-9.48e-05	-1.83e-05
5277	80	0.28	-1.15	-2.28	2.22e-04	-9.13e-05	2.28e-06
5277	88	0.24	-1.52	-2.16	1.89e-04	-7.94e-05	7.30e-06
5277	98	0.22	-0.43	-1.89	2.14e-04	-7.68e-05	-5.55e-06
5277	105	0.21	-0.63	-1.87	2.01e-04	-7.27e-05	-3.02e-06
5277	107	0.21	-0.41	-1.83	2.06e-04	-7.32e-05	-5.58e-06
5277	108	8.32	-1.62	-1.94	-6.84e-05	2.53e-06	-4.81e-04
5277	129	-1.84	-11.31	-3.78	7.14e-04	-1.59e-05	-3.86e-04
5277	140	9.33	-1.77	-1.96	-1.03e-04	1.21e-05	-5.41e-04
5277	161	-2.10	-12.68	-4.02	7.77e-04	-8.40e-06	-4.35e-04
5277	172	8.91	-1.72	-1.94	-9.28e-05	1.21e-05	-5.31e-04
5277	193	-2.11	-12.61	-4.00	7.70e-04	-6.49e-06	-4.36e-04
5277	204	10.18	-1.93	-1.95	-1.39e-04	2.70e-05	-6.17e-04
5277	225	-2.49	-14.69	-4.37	8.64e-04	6.95e-06	-5.17e-04
5278	4	0.41	0.24	-2.82	4.31e-04	-1.53e-04	-7.40e-06
5278	28	0.41	-1.68	-3.16	2.86e-04	-1.48e-04	-4.10e-06
5278	44	0.35	-2.24	-2.99	2.33e-04	-1.30e-04	-2.72e-06
5278	68	0.28	0.13	-2.03	3.04e-04	-1.09e-04	-5.68e-06
5278	80	0.28	-1.15	-2.26	2.07e-04	-1.05e-04	-3.48e-06
5278	88	0.24	-1.52	-2.14	1.72e-04	-9.35e-05	-2.57e-06
5278	98	0.22	-0.43	-1.87	2.04e-04	-9.11e-05	-5.23e-06
5278	105	0.21	-0.63	-1.85	1.90e-04	-8.70e-05	-4.76e-06
5278	107	0.21	-0.42	-1.81	1.97e-04	-8.75e-05	-5.27e-06
5278	108	8.32	-1.77	-1.94	-7.70e-05	-1.37e-05	-4.84e-04
5278	129	-1.84	-11.39	-3.75	6.96e-04	-3.31e-05	-3.95e-04
5278	140	9.33	-1.94	-1.96	-1.11e-04	-4.34e-06	-5.45e-04
5278	161	-2.10	-12.78	-4.00	7.59e-04	-2.59e-05	-4.45e-04
5278	172	8.91	-1.89	-1.94	-1.01e-04	-4.32e-06	-5.34e-04
5278	193	-2.11	-12.71	-3.98	7.52e-04	-2.41e-05	-4.46e-04
5278	204	10.18	-2.13	-1.96	-1.47e-04	1.03e-05	-6.21e-04
5278	225	-2.49	-14.81	-4.34	8.44e-04	-1.13e-05	-5.29e-04
5279	4	0.47	2.00	-2.79	1.30e-03	0.0	-3.96e-04
5279	19	0.15	4.12	-1.06	2.03e-03	0.0	-6.55e-04
5279	28	0.47	-2.38	-3.13	-4.61e-04	0.0	1.93e-04
5279	68	0.33	1.31	-2.01	8.73e-04	0.0	-2.64e-04
5279	72	0.16	2.65	-1.22	1.37e-03	0.0	-4.38e-04
5279	80	0.33	-1.61	-2.24	-3.03e-04	0.0	1.28e-04
5279	98	0.26	-0.37	-1.86	6.57e-05	0.0	-3.24e-06
5279	105	0.24	-0.75	-1.83	-6.37e-05	0.0	4.07e-05
5279	107	0.24	-0.36	-1.79	6.32e-05	0.0	-3.24e-06
5279	108	8.25	-1.91	-1.94	1.16e-05	0.0	-5.77e-04
5279	129	-1.78	-11.46	-3.72	1.81e-04	0.0	7.62e-05
5279	140	9.25	-2.11	-1.96	5.16e-06	0.0	-6.49e-04
5279	161	-2.04	-12.86	-3.96	1.96e-04	0.0	8.52e-05
5279	172	8.82	-2.05	-1.95	7.00e-06	0.0	-6.38e-04
5279	193	-2.06	-12.79	-3.95	1.95e-04	0.0	7.23e-05
5279	204	10.08	-2.32	-1.97	-1.72e-06	0.0	-7.43e-04
5279	225	-2.43	-14.92	-4.31	2.17e-04	0.0	7.69e-05
5280	4	0.44	1.18	-2.78	1.71e-03	0.0	-2.31e-04
5280	28	0.43	-2.06	-3.13	-6.65e-04	0.0	1.10e-04
5280	44	0.38	-2.92	-2.96	-1.19e-03	0.0	1.86e-04
5280	68	0.30	0.76	-2.00	1.14e-03	0.0	-1.55e-04
5280	80	0.30	-1.40	-2.23	-4.39e-04	0.0	7.26e-05
5280	88	0.26	-1.97	-2.12	-7.90e-04	0.0	1.24e-04
5280	98	0.24	-0.40	-1.85	6.50e-05	0.0	-4.10e-06
5280	105	0.22	-0.70	-1.83	-1.09e-04	0.0	2.14e-05
5280	107	0.22	-0.39	-1.79	6.25e-05	0.0	-4.13e-06
5280	108	8.29	-1.92	-1.94	1.90e-05	0.0	-4.67e-04
5280	129	-1.81	-11.49	-3.73	4.21e-05	0.0	-3.73e-04
5280	140	9.29	-2.12	-1.96	1.35e-05	0.0	-5.25e-04
5280	161	-2.07	-12.89	-3.97	3.96e-05	0.0	-4.21e-04
5280	172	8.87	-2.05	-1.94	1.42e-05	0.0	-5.17e-04
5280	193	-2.09	-12.83	-3.95	3.95e-05	0.0	-4.17e-04
5280	204	10.13	-2.33	-1.97	5.92e-06	0.0	-6.02e-04
5280	225	-2.46	-14.95	-4.32	3.52e-05	0.0	-4.94e-04

5281	4	0.41	0.24	-2.78	4.29e-04	-1.79e-04	1.02e-05
5281	28	0.41	-1.68	-3.12	2.65e-04	-1.74e-04	-1.25e-05
5281	44	0.35	-2.24	-2.95	2.09e-04	-1.55e-04	-1.69e-05
5281	68	0.28	0.13	-2.00	3.02e-04	-1.28e-04	6.06e-06
5281	80	0.28	-1.15	-2.23	1.92e-04	-1.25e-04	-9.04e-06
5281	88	0.24	-1.52	-2.12	1.55e-04	-1.12e-04	-1.20e-05
5281	98	0.22	-0.44	-1.85	1.94e-04	-1.10e-04	-5.03e-06
5281	105	0.21	-0.63	-1.83	1.79e-04	-1.05e-04	-6.48e-06
5281	107	0.21	-0.42	-1.79	1.87e-04	-1.06e-04	-5.07e-06
5281	108	8.32	-1.93	-1.93	-8.56e-05	-3.80e-05	-4.88e-04
5281	129	-1.84	-11.48	-3.73	6.79e-04	-4.76e-05	-4.04e-04
5281	140	9.33	-2.12	-1.95	-1.20e-04	-2.94e-05	-5.49e-04
5281	161	-2.10	-12.87	-3.97	7.40e-04	-4.00e-05	-4.56e-04
5281	172	8.90	-2.06	-1.94	-1.10e-04	-3.05e-05	-5.39e-04
5281	193	-2.11	-12.80	-3.95	7.33e-04	-3.93e-05	-4.57e-04
5281	204	10.18	-2.32	-1.97	-1.56e-04	-1.79e-05	-6.26e-04
5281	225	-2.49	-14.92	-4.32	8.24e-04	-2.65e-05	-5.43e-04
5282	28	0.24	-1.29	-2.40	3.42e-04	0.0	8.54e-05
5282	44	0.21	-1.83	-2.29	4.59e-04	0.0	1.44e-04
5282	80	0.17	-0.88	-1.70	2.34e-04	0.0	5.65e-05
5282	88	0.15	-1.24	-1.63	3.12e-04	0.0	9.57e-05
5282	98	0.13	-0.24	-1.37	8.75e-05	0.0	-2.44e-06
5282	105	0.13	-0.43	-1.36	1.28e-04	0.0	1.72e-05
5282	107	0.12	-0.23	-1.32	8.43e-05	0.0	-2.52e-06
5282	113	6.87	-7.45	-0.81	-5.62e-05	0.0	-3.95e-04
5282	129	-1.54	-10.26	-3.49	8.36e-04	0.0	-3.15e-04
5282	145	7.71	-8.36	-0.75	-7.40e-05	0.0	-4.45e-04
5282	161	-1.75	-11.53	-3.76	9.30e-04	0.0	-3.55e-04
5282	177	7.36	-8.21	-0.78	-6.43e-05	0.0	-4.38e-04
5282	193	-1.76	-11.50	-3.74	9.21e-04	0.0	-3.56e-04
5282	209	8.42	-9.52	-0.71	-8.58e-05	0.0	-5.10e-04
5282	225	-2.07	-13.46	-4.15	1.06e-03	0.0	-4.22e-04
5283	28	0.25	-1.24	-2.37	2.61e-04	0.0	7.49e-05
5283	44	0.22	-1.75	-2.26	3.31e-04	0.0	1.29e-04
5283	80	0.18	-0.84	-1.68	1.80e-04	0.0	4.94e-05
5283	88	0.16	-1.19	-1.61	2.27e-04	0.0	8.52e-05
5283	98	0.14	-0.24	-1.34	8.24e-05	0.0	-4.18e-06
5283	105	0.13	-0.42	-1.33	1.07e-04	0.0	1.37e-05
5283	107	0.13	-0.23	-1.29	7.95e-05	0.0	-4.21e-06
5283	113	6.88	-7.69	-2.62	-5.77e-05	0.0	-3.96e-04
5283	129	-1.53	-10.35	-3.35	7.76e-04	0.0	-3.15e-04
5283	145	7.72	-8.63	-2.79	-7.50e-05	0.0	-4.46e-04
5283	161	-1.75	-11.63	-3.61	8.64e-04	0.0	-3.55e-04
5283	177	7.37	-8.48	-2.75	-6.55e-05	0.0	-4.39e-04
5283	193	-1.76	-11.61	-3.59	8.55e-04	0.0	-3.56e-04
5283	209	8.43	-9.84	-2.99	-8.63e-05	0.0	-5.12e-04
5283	225	-2.06	-13.60	-3.99	9.86e-04	0.0	-4.22e-04
5284	28	0.35	-1.46	-2.40	2.92e-04	0.0	1.64e-04
5284	44	0.30	-2.07	-2.29	3.78e-04	0.0	2.60e-04
5284	80	0.24	-1.00	-1.70	2.01e-04	0.0	1.10e-04
5284	88	0.21	-1.40	-1.63	2.59e-04	0.0	1.74e-04
5284	98	0.19	-0.29	-1.37	8.60e-05	0.0	8.84e-06
5284	105	0.18	-0.49	-1.36	1.16e-04	0.0	4.12e-05
5284	107	0.18	-0.28	-1.32	8.28e-05	0.0	8.27e-06
5284	108	7.34	-2.91	0.16	-3.69e-04	0.0	-4.84e-04
5284	129	-1.60	-10.68	-3.48	7.87e-04	0.0	4.05e-05
5284	140	8.23	-3.25	0.34	-4.26e-04	0.0	-5.46e-04
5284	161	-1.82	-12.00	-3.75	8.75e-04	0.0	4.40e-05
5284	177	7.85	-8.49	-0.79	-4.67e-05	0.0	-4.01e-04
5284	193	-1.84	-11.97	-3.73	8.67e-04	0.0	3.65e-05
5284	209	8.98	-9.84	-0.72	-6.58e-05	0.0	-4.69e-04
5284	225	-2.16	-14.00	-4.14	9.99e-04	0.0	3.61e-05
5285	28	0.35	-1.37	-2.37	2.32e-04	0.0	1.54e-04
5285	44	0.31	-1.92	-2.26	2.87e-04	0.0	2.43e-04
5285	80	0.24	-0.93	-1.68	1.61e-04	0.0	1.03e-04
5285	88	0.21	-1.30	-1.61	1.98e-04	0.0	1.62e-04
5285	98	0.19	-0.28	-1.35	7.91e-05	0.0	8.66e-06
5285	105	0.18	-0.47	-1.33	9.89e-05	0.0	3.88e-05
5285	107	0.18	-0.27	-1.29	7.63e-05	0.0	8.08e-06
5285	108	7.34	-3.16	-1.65	-3.56e-04	0.0	-4.85e-04
5285	129	-1.60	-10.75	-3.35	7.42e-04	0.0	3.90e-05
5285	140	8.23	-3.52	-1.69	-4.10e-04	0.0	-5.48e-04
5285	161	-1.82	-12.07	-3.60	8.25e-04	0.0	4.24e-05
5285	177	7.85	-8.74	-2.75	-5.47e-05	0.0	-4.05e-04
5285	193	-1.84	-12.05	-3.59	8.17e-04	0.0	3.52e-05

5285	209	8.97	-10.13	-2.99	-7.38e-05	0.0	-4.73e-04
5285	225	-2.16	-14.10	-3.98	9.42e-04	0.0	3.47e-05
5286	28	0.43	-1.61	-2.41	2.25e-04	0.0	2.17e-04
5286	44	0.38	-2.25	-2.30	2.77e-04	0.0	3.37e-04
5286	80	0.30	-1.10	-1.71	1.56e-04	0.0	1.45e-04
5286	88	0.27	-1.52	-1.64	1.91e-04	0.0	2.25e-04
5286	98	0.24	-0.33	-1.38	7.82e-05	0.0	1.71e-05
5286	105	0.23	-0.55	-1.37	9.68e-05	0.0	5.76e-05
5286	107	0.23	-0.32	-1.33	7.53e-05	0.0	1.61e-05
5286	108	7.76	-2.99	0.13	-3.36e-04	0.0	-4.73e-04
5286	129	-1.66	-11.08	-3.48	7.24e-04	0.0	5.85e-05
5286	140	8.70	-3.33	0.32	-3.87e-04	0.0	-5.35e-04
5286	161	-1.90	-12.44	-3.75	8.05e-04	0.0	6.32e-05
5286	172	8.30	-3.25	0.27	-3.74e-04	0.0	-5.26e-04
5286	193	-1.91	-12.41	-3.72	7.97e-04	0.0	5.43e-05
5286	204	9.48	-3.74	0.52	-4.46e-04	0.0	-6.17e-04
5286	225	-2.26	-14.51	-4.13	9.19e-04	0.0	5.47e-05
5287	28	0.43	-1.49	-2.37	1.95e-04	0.0	2.05e-04
5287	44	0.38	-2.06	-2.26	2.31e-04	0.0	3.16e-04
5287	80	0.30	-1.01	-1.68	1.36e-04	0.0	1.38e-04
5287	88	0.27	-1.40	-1.61	1.60e-04	0.0	2.12e-04
5287	98	0.24	-0.32	-1.35	7.51e-05	0.0	1.80e-05
5287	105	0.23	-0.52	-1.33	8.84e-05	0.0	5.56e-05
5287	107	0.23	-0.31	-1.29	7.25e-05	0.0	1.70e-05
5287	108	7.76	-3.23	-1.65	-3.32e-04	0.0	-4.77e-04
5287	129	-1.66	-11.12	-3.34	7.00e-04	0.0	5.50e-05
5287	140	8.71	-3.60	-1.69	-3.83e-04	0.0	-5.39e-04
5287	161	-1.90	-12.49	-3.60	7.78e-04	0.0	5.92e-05
5287	172	8.30	-3.52	-1.68	-3.70e-04	0.0	-5.30e-04
5287	193	-1.91	-12.46	-3.59	7.71e-04	0.0	5.07e-05
5287	204	9.49	-4.05	-1.74	-4.39e-04	0.0	-6.22e-04
5287	225	-2.26	-14.58	-3.98	8.89e-04	0.0	5.07e-05
5288	28	0.52	-1.72	-2.44	1.29e-04	0.0	2.50e-04
5288	44	0.45	-2.38	-2.33	1.33e-04	0.0	3.89e-04
5288	80	0.36	-1.17	-1.73	9.13e-05	0.0	1.67e-04
5288	88	0.32	-1.62	-1.66	9.39e-05	0.0	2.60e-04
5288	98	0.29	-0.37	-1.40	6.56e-05	0.0	1.92e-05
5288	105	0.28	-0.60	-1.38	6.81e-05	0.0	6.62e-05
5288	107	0.28	-0.36	-1.35	6.33e-05	0.0	1.81e-05
5288	108	8.17	-3.06	-1.68	-2.92e-04	0.0	-4.75e-04
5288	129	-1.72	-11.44	-3.48	6.30e-04	0.0	6.98e-05
5288	140	9.16	-3.40	-1.72	-3.37e-04	0.0	-5.37e-04
5288	161	-1.97	-12.85	-3.74	7.00e-04	0.0	7.56e-05
5288	172	8.74	-3.32	-1.69	-3.25e-04	0.0	-5.28e-04
5288	193	-1.99	-12.81	-3.72	6.93e-04	0.0	6.58e-05
5288	204	9.97	-3.80	-1.73	-3.85e-04	0.0	-6.19e-04
5288	225	-2.36	-14.97	-4.12	7.99e-04	0.0	6.71e-05
5289	28	0.50	-1.58	-2.38	1.48e-04	0.0	2.24e-04
5289	44	0.44	-2.16	-2.26	1.61e-04	0.0	3.42e-04
5289	80	0.35	-1.08	-1.68	1.04e-04	0.0	1.50e-04
5289	88	0.31	-1.47	-1.61	1.13e-04	0.0	2.29e-04
5289	98	0.28	-0.36	-1.35	6.86e-05	0.0	2.19e-05
5289	105	0.27	-0.56	-1.34	7.41e-05	0.0	6.20e-05
5289	107	0.27	-0.35	-1.30	6.61e-05	0.0	2.08e-05
5289	108	8.15	-3.30	-1.65	-3.12e-04	0.0	-4.82e-04
5289	129	-1.72	-11.47	-3.35	6.53e-04	0.0	6.09e-05
5289	140	9.14	-3.67	-1.70	-3.59e-04	0.0	-5.46e-04
5289	161	-1.98	-12.88	-3.60	7.27e-04	0.0	6.53e-05
5289	172	8.71	-3.59	-1.68	-3.46e-04	0.0	-5.35e-04
5289	193	-1.99	-12.85	-3.59	7.20e-04	0.0	5.63e-05
5289	204	9.95	-4.12	-1.74	-4.11e-04	0.0	-6.28e-04
5289	225	-2.36	-15.02	-3.98	8.30e-04	0.0	5.62e-05
5290	28	0.26	-1.19	-2.31	2.38e-04	8.04e-05	2.82e-05
5290	44	0.23	-1.67	-2.20	2.63e-04	6.36e-05	6.81e-05
5290	80	0.18	-0.81	-1.64	1.68e-04	5.49e-05	1.69e-05
5290	88	0.16	-1.13	-1.56	1.84e-04	4.37e-05	4.35e-05
5290	98	0.14	-0.24	-1.30	1.10e-04	4.48e-05	-1.91e-05
5290	105	0.14	-0.41	-1.29	1.20e-04	4.06e-05	-5.99e-06
5290	107	0.13	-0.23	-1.25	1.06e-04	4.18e-05	-1.87e-05
5290	113	6.89	-7.93	-2.65	-2.52e-05	7.28e-04	-4.20e-04
5290	129	-1.53	-10.45	-3.20	7.59e-04	-1.44e-04	-3.26e-04
5290	145	7.73	-8.90	-2.83	-4.19e-05	8.14e-04	-4.71e-04
5290	161	-1.74	-11.74	-3.44	8.41e-04	-1.68e-04	-3.66e-04
5290	177	7.37	-8.75	-2.81	-3.45e-05	7.77e-04	-4.66e-04
5290	193	-1.76	-11.73	-3.44	8.33e-04	-1.70e-04	-3.69e-04

5290	209	8.44	-10.15	-3.08	-5.57e-05	8.84e-04	-5.42e-04
5290	225	-2.06	-13.74	-3.82	9.57e-04	-2.04e-04	-4.37e-04
5291	28	0.35	-1.28	-2.31	1.88e-04	1.35e-04	1.09e-04
5291	44	0.31	-1.78	-2.20	2.15e-04	1.16e-04	1.73e-04
5291	80	0.24	-0.87	-1.63	1.32e-04	9.43e-05	7.27e-05
5291	88	0.21	-1.20	-1.56	1.50e-04	8.15e-05	1.16e-04
5291	98	0.19	-0.28	-1.30	7.94e-05	7.84e-05	4.83e-06
5291	105	0.18	-0.45	-1.29	8.98e-05	7.39e-05	2.65e-05
5291	107	0.18	-0.27	-1.25	7.67e-05	7.45e-05	4.36e-06
5291	108	7.34	-3.40	-1.68	-3.45e-04	8.07e-04	-4.02e-04
5291	129	-1.59	-10.81	-3.19	7.15e-04	-1.31e-04	-3.07e-04
5291	145	8.23	-9.15	-2.81	-6.97e-05	8.86e-04	-4.38e-04
5291	161	-1.82	-12.15	-3.43	7.95e-04	-1.57e-04	-3.47e-04
5291	177	7.85	-8.99	-2.80	-6.08e-05	8.44e-04	-4.32e-04
5291	193	-1.83	-12.13	-3.43	7.87e-04	-1.59e-04	-3.48e-04
5291	209	8.97	-10.42	-3.06	-8.06e-05	7.72e-04	-5.05e-04
5291	225	-2.16	-14.20	-3.81	9.07e-04	-1.98e-04	-4.15e-04
5292	28	0.43	-1.37	-2.31	1.74e-04	1.20e-04	1.62e-04
5292	44	0.38	-1.88	-2.19	1.99e-04	1.03e-04	2.39e-04
5292	80	0.30	-0.94	-1.63	1.21e-04	8.37e-05	1.09e-04
5292	88	0.27	-1.27	-1.56	1.38e-04	7.22e-05	1.61e-04
5292	98	0.24	-0.31	-1.30	7.29e-05	6.92e-05	2.23e-05
5292	105	0.23	-0.49	-1.28	8.25e-05	6.51e-05	4.87e-05
5292	107	0.23	-0.30	-1.25	7.04e-05	6.57e-05	2.12e-05
5292	108	7.77	-3.47	-1.67	-3.44e-04	7.27e-04	-3.92e-04
5292	129	-1.66	-11.18	-3.18	6.98e-04	-1.26e-04	-3.00e-04
5292	140	8.71	-3.88	-1.72	-3.96e-04	8.09e-04	-4.44e-04
5292	161	-1.90	-12.55	-3.43	7.76e-04	-1.50e-04	-3.41e-04
5292	172	8.31	-3.79	-1.72	-3.81e-04	7.72e-04	-4.37e-04
5292	193	-1.91	-12.53	-3.42	7.68e-04	-1.53e-04	-3.39e-04
5292	204	9.49	-4.36	-1.81	-4.52e-04	8.74e-04	-5.14e-04
5292	225	-2.26	-14.66	-3.80	8.86e-04	-1.89e-04	-4.06e-04
5293	28	0.50	-1.46	-2.30	1.66e-04	3.92e-05	1.93e-04
5293	44	0.44	-1.98	-2.19	1.88e-04	3.08e-05	2.69e-04
5293	80	0.35	-1.00	-1.63	1.16e-04	2.59e-05	1.31e-04
5293	88	0.31	-1.34	-1.55	1.31e-04	2.04e-05	1.82e-04
5293	98	0.28	-0.35	-1.29	7.14e-05	1.84e-05	3.95e-05
5293	105	0.27	-0.53	-1.28	8.00e-05	1.64e-05	6.58e-05
5293	107	0.27	-0.34	-1.24	6.89e-05	1.67e-05	3.78e-05
5293	108	8.14	-3.55	-1.66	-3.36e-04	4.62e-04	-3.95e-04
5293	129	-1.72	-11.53	-3.18	6.82e-04	-1.12e-04	-3.04e-04
5293	140	9.13	-3.95	-1.71	-3.86e-04	5.18e-04	-4.49e-04
5293	161	-1.98	-12.95	-3.42	7.59e-04	-1.28e-04	-3.47e-04
5293	172	8.71	-3.86	-1.71	-3.72e-04	4.94e-04	-4.38e-04
5293	193	-1.99	-12.93	-3.42	7.51e-04	-1.29e-04	-3.42e-04
5293	204	9.94	-4.44	-1.80	-4.41e-04	5.64e-04	-5.15e-04
5293	225	-2.36	-15.12	-3.79	8.67e-04	-1.53e-04	-4.12e-04
5294	28	0.47	-1.74	-2.45	4.06e-05	0.0	1.84e-04
5294	44	0.41	-2.39	-2.34	-4.93e-06	0.0	2.91e-04
5294	80	0.33	-1.19	-1.74	3.16e-05	0.0	1.23e-04
5294	88	0.29	-1.62	-1.67	1.27e-06	0.0	1.94e-04
5294	98	0.26	-0.40	-1.41	5.83e-05	0.0	9.10e-06
5294	105	0.25	-0.62	-1.39	4.42e-05	0.0	4.53e-05
5294	107	0.25	-0.38	-1.35	5.62e-05	0.0	8.38e-06
5294	108	8.25	-3.10	-1.68	-2.45e-04	0.0	-5.13e-04
5294	129	-1.77	-11.72	-3.48	5.38e-04	0.0	4.21e-05
5294	140	9.25	-3.44	-1.73	-2.83e-04	0.0	-5.79e-04
5294	161	-2.03	-13.15	-3.74	5.99e-04	0.0	4.58e-05
5294	172	8.82	-3.36	-1.70	-2.71e-04	0.0	-5.69e-04
5294	193	-2.05	-13.11	-3.72	5.92e-04	0.0	3.75e-05
5294	204	10.08	-3.84	-1.74	-3.22e-04	0.0	-6.65e-04
5294	225	-2.42	-15.32	-4.12	6.82e-04	0.0	3.68e-05
5295	28	0.47	-1.64	-2.38	1.07e-04	0.0	1.71e-04
5295	44	0.41	-2.22	-2.26	9.68e-05	0.0	2.67e-04
5295	80	0.33	-1.12	-1.68	7.60e-05	0.0	1.15e-04
5295	88	0.29	-1.51	-1.61	6.95e-05	0.0	1.78e-04
5295	98	0.26	-0.39	-1.35	6.47e-05	0.0	1.20e-05
5295	105	0.25	-0.60	-1.34	6.26e-05	0.0	4.43e-05
5295	107	0.25	-0.38	-1.30	6.24e-05	0.0	1.12e-05
5295	108	8.25	-3.36	-1.65	-2.91e-04	0.0	-5.17e-04
5295	129	-1.78	-11.78	-3.34	6.11e-04	0.0	4.20e-05
5295	140	9.25	-3.73	-1.70	-3.35e-04	0.0	-5.84e-04
5295	161	-2.03	-13.23	-3.60	6.79e-04	0.0	4.54e-05
5295	172	8.82	-3.64	-1.68	-3.22e-04	0.0	-5.73e-04
5295	193	-2.05	-13.19	-3.59	6.72e-04	0.0	3.76e-05

5295	204	10.08	-4.18	-1.74	-3.82e-04	0.0	-6.70e-04
5295	225	-2.42	-15.42	-3.98	7.75e-04	0.0	3.68e-05
5296	4	0.43	0.44	-2.11	3.89e-04	-2.06e-05	-2.27e-04
5296	28	0.43	-1.73	-2.46	-3.63e-06	-4.47e-06	1.02e-04
5296	44	0.37	-2.34	-2.35	-9.00e-05	0.0	1.76e-04
5296	68	0.30	0.26	-1.51	2.65e-04	-1.42e-05	-1.52e-04
5296	80	0.30	-1.18	-1.75	3.05e-06	-3.50e-06	6.72e-05
5296	88	0.26	-1.59	-1.67	-5.45e-05	0.0	1.16e-04
5296	98	0.23	-0.42	-1.41	6.86e-05	-6.37e-06	-6.67e-06
5296	105	0.22	-0.63	-1.40	4.10e-05	-4.95e-06	1.79e-05
5296	107	0.22	-0.41	-1.36	6.62e-05	-6.14e-06	-6.71e-06
5296	108	8.28	-3.13	-1.69	-1.95e-04	-1.89e-05	-4.53e-04
5296	129	-1.82	-11.96	-3.48	4.84e-04	6.93e-06	-3.55e-04
5296	140	9.29	-3.48	-1.73	-2.27e-04	-2.04e-05	-5.09e-04
5296	161	-2.08	-13.42	-3.74	5.36e-04	8.58e-06	-4.00e-04
5296	172	8.86	-3.39	-1.70	-2.17e-04	-1.96e-05	-5.02e-04
5296	193	-2.09	-13.38	-3.72	5.31e-04	8.58e-06	-3.99e-04
5296	204	10.13	-3.88	-1.75	-2.60e-04	-2.15e-05	-5.84e-04
5296	225	-2.47	-15.62	-4.12	6.08e-04	1.11e-05	-4.73e-04
5297	28	0.43	-1.68	-2.38	8.06e-05	0.0	9.00e-05
5297	44	0.37	-2.25	-2.26	5.13e-05	0.0	1.48e-04
5297	80	0.30	-1.15	-1.68	5.89e-05	0.0	5.93e-05
5297	88	0.26	-1.53	-1.61	3.94e-05	0.0	9.83e-05
5297	98	0.23	-0.43	-1.35	6.69e-05	0.0	-1.64e-06
5297	105	0.22	-0.63	-1.34	5.83e-05	0.0	1.80e-05
5297	107	0.22	-0.41	-1.30	6.44e-05	0.0	-1.94e-06
5297	108	8.28	-3.41	-1.65	-2.67e-04	0.0	-4.52e-04
5297	129	-1.82	-12.07	-3.34	5.79e-04	0.0	-3.53e-04
5297	140	9.29	-3.79	-1.70	-3.09e-04	0.0	-5.09e-04
5297	161	-2.08	-13.55	-3.60	6.44e-04	0.0	-3.98e-04
5297	172	8.86	-3.69	-1.68	-2.96e-04	0.0	-5.01e-04
5297	193	-2.09	-13.51	-3.59	6.37e-04	0.0	-3.98e-04
5297	204	10.13	-4.23	-1.74	-3.52e-04	0.0	-5.83e-04
5297	225	-2.46	-15.79	-3.98	7.33e-04	0.0	-4.72e-04
5298	4	0.41	0.21	-2.12	4.11e-04	-2.28e-04	-3.16e-05
5298	28	0.40	-1.70	-2.47	9.35e-05	-2.29e-04	-4.18e-06
5298	44	0.35	-2.25	-2.36	1.61e-05	-2.16e-04	3.29e-06
5298	68	0.28	0.11	-1.52	2.83e-04	-1.69e-04	-2.22e-05
5298	80	0.28	-1.17	-1.76	7.15e-05	-1.69e-04	-3.93e-06
5298	88	0.24	-1.53	-1.68	2.00e-05	-1.61e-04	1.04e-06
5298	98	0.22	-0.45	-1.42	1.15e-04	-1.59e-04	-1.03e-05
5298	105	0.20	-0.65	-1.40	9.14e-05	-1.56e-04	-7.84e-06
5298	107	0.20	-0.44	-1.37	1.11e-04	-1.56e-04	-1.01e-05
5298	108	8.32	-3.17	-1.69	-1.55e-04	1.02e-05	-4.85e-04
5298	129	-1.84	-12.18	-3.48	5.37e-04	-1.98e-04	-3.90e-04
5298	140	9.33	-3.52	-1.73	-1.88e-04	3.11e-05	-5.45e-04
5298	161	-2.10	-13.66	-3.74	5.90e-04	-2.03e-04	-4.39e-04
5298	172	8.91	-3.42	-1.71	-1.78e-04	2.74e-05	-5.35e-04
5298	193	-2.12	-13.62	-3.72	5.85e-04	-2.02e-04	-4.40e-04
5298	204	10.18	-3.91	-1.75	-2.22e-04	5.75e-05	-6.22e-04
5298	225	-2.49	-15.90	-4.12	6.65e-04	-2.08e-04	-5.21e-04
5299	4	0.41	0.20	-2.02	3.68e-04	-1.76e-04	-2.19e-05
5299	28	0.40	-1.71	-2.38	2.62e-04	-1.81e-04	-1.88e-05
5299	44	0.35	-2.26	-2.27	2.22e-04	-1.73e-04	-1.62e-05
5299	68	0.28	0.10	-1.45	2.60e-04	-1.32e-04	-1.61e-05
5299	80	0.28	-1.17	-1.69	1.89e-04	-1.35e-04	-1.40e-05
5299	88	0.24	-1.54	-1.61	1.62e-04	-1.30e-04	-1.23e-05
5299	98	0.22	-0.46	-1.35	1.78e-04	-1.29e-04	-1.43e-05
5299	105	0.20	-0.65	-1.34	1.68e-04	-1.27e-04	-1.36e-05
5299	107	0.20	-0.44	-1.30	1.71e-04	-1.27e-04	-1.41e-05
5299	108	8.32	-3.46	-1.65	2.46e-04	1.66e-04	-4.97e-04
5299	129	-1.84	-12.35	-3.34	7.23e-04	-2.19e-04	-4.09e-04
5299	140	9.34	-3.85	-1.70	2.56e-04	2.03e-04	-5.58e-04
5299	161	-2.10	-13.85	-3.60	7.92e-04	-2.30e-04	-4.60e-04
5299	172	8.91	-3.75	-1.68	2.51e-04	1.91e-04	-5.48e-04
5299	193	-2.12	-13.81	-3.59	7.88e-04	-2.30e-04	-4.61e-04
5299	204	10.18	-4.29	-1.74	2.63e-04	2.40e-04	-6.35e-04
5299	225	-2.49	-16.14	-3.98	8.93e-04	-2.46e-04	-5.46e-04
5300	28	0.47	-1.54	-2.30	1.64e-04	-3.80e-05	1.35e-04
5300	44	0.41	-2.07	-2.18	1.83e-04	-3.64e-05	1.99e-04
5300	80	0.33	-1.06	-1.62	1.15e-04	-2.90e-05	9.06e-05
5300	88	0.29	-1.41	-1.55	1.28e-04	-2.79e-05	1.33e-04
5300	98	0.26	-0.39	-1.29	7.31e-05	-2.98e-05	1.75e-05
5300	105	0.25	-0.57	-1.28	8.06e-05	-2.93e-05	3.93e-05
5300	107	0.25	-0.37	-1.24	7.05e-05	-2.95e-05	1.64e-05

5300	108	8.25	-3.61	-1.65	-3.23e-04	1.96e-04	-4.28e-04
5300	129	-1.78	-11.87	-3.17	6.69e-04	-8.61e-05	-3.32e-04
5300	140	9.25	-4.02	-1.71	-3.73e-04	2.25e-04	-4.84e-04
5300	161	-2.03	-13.32	-3.42	7.44e-04	-9.32e-05	-3.76e-04
5300	172	8.82	-3.93	-1.70	-3.59e-04	2.16e-04	-4.74e-04
5300	193	-2.05	-13.29	-3.41	7.36e-04	-9.28e-05	-3.74e-04
5300	204	10.08	-4.51	-1.79	-4.26e-04	2.54e-04	-5.54e-04
5300	225	-2.42	-15.55	-3.79	8.48e-04	-1.02e-04	-4.46e-04
5301	28	0.43	-1.63	-2.30	1.72e-04	-5.31e-05	6.01e-05
5301	44	0.37	-2.17	-2.19	1.87e-04	-4.81e-05	9.93e-05
5301	80	0.30	-1.11	-1.62	1.21e-04	-3.92e-05	3.91e-05
5301	88	0.26	-1.48	-1.55	1.31e-04	-3.59e-05	6.53e-05
5301	98	0.23	-0.42	-1.29	8.01e-05	-3.79e-05	-2.98e-06
5301	105	0.22	-0.61	-1.28	8.65e-05	-3.67e-05	1.03e-05
5301	107	0.22	-0.41	-1.24	7.71e-05	-3.71e-05	-3.33e-06
5301	108	8.28	-3.68	-1.65	-3.09e-04	1.10e-04	-4.64e-04
5301	129	-1.81	-12.20	-3.18	6.64e-04	-6.38e-05	-3.66e-04
5301	140	9.29	-4.10	-1.70	-3.57e-04	1.28e-04	-5.22e-04
5301	161	-2.08	-13.69	-3.42	7.38e-04	-6.71e-05	-4.12e-04
5301	172	8.86	-4.00	-1.70	-3.44e-04	1.25e-04	-5.13e-04
5301	193	-2.09	-13.65	-3.41	7.31e-04	-6.61e-05	-4.12e-04
5301	204	10.13	-4.58	-1.78	-4.10e-04	1.52e-04	-5.97e-04
5301	225	-2.46	-15.96	-3.79	8.41e-04	-7.00e-05	-4.90e-04
5302	4	0.41	0.19	-1.96	3.25e-04	-2.20e-05	-2.70e-05
5302	28	0.40	-1.72	-2.30	4.31e-04	4.88e-05	-2.52e-05
5302	44	0.35	-2.27	-2.19	4.28e-04	5.98e-05	-2.25e-05
5302	68	0.28	0.09	-1.40	2.36e-04	-1.48e-05	-1.98e-05
5302	80	0.28	-1.18	-1.63	3.07e-04	3.24e-05	-1.86e-05
5302	88	0.24	-1.55	-1.56	3.05e-04	3.98e-05	-1.68e-05
5302	98	0.22	-0.47	-1.29	2.40e-04	1.14e-05	-1.80e-05
5302	105	0.20	-0.66	-1.28	2.44e-04	1.56e-05	-1.73e-05
5302	107	0.20	-0.45	-1.24	2.32e-04	1.04e-05	-1.76e-05
5302	108	8.32	-3.76	-1.65	3.51e-04	1.62e-04	-4.99e-04
5302	129	-1.84	-12.53	-3.18	9.10e-04	-1.66e-05	-4.13e-04
5302	140	9.34	-4.18	-1.71	3.67e-04	1.81e-04	-5.60e-04
5302	161	-2.10	-14.06	-3.42	9.95e-04	-1.99e-05	-4.64e-04
5302	172	8.91	-4.07	-1.70	3.63e-04	1.77e-04	-5.49e-04
5302	193	-2.12	-14.02	-3.42	9.92e-04	-1.90e-05	-4.65e-04
5302	204	10.19	-4.66	-1.79	3.86e-04	2.05e-04	-6.36e-04
5302	225	-2.49	-16.38	-3.79	1.12e-03	-2.28e-05	-5.50e-04
5303	4	0.33	0.40	-1.77	0.0	1.38e-04	-7.95e-05
5303	28	0.27	-1.19	-2.06	0.0	4.98e-05	0.0
5303	44	0.23	-1.67	-1.94	0.0	1.76e-05	1.93e-05
5303	68	0.23	0.25	-1.26	0.0	9.34e-05	-5.48e-05
5303	80	0.19	-0.81	-1.45	0.0	3.45e-05	-2.19e-06
5303	88	0.16	-1.13	-1.38	0.0	1.30e-05	1.10e-05
5303	98	0.17	-0.24	-1.16	0.0	4.16e-05	-1.83e-05
5303	103	0.17	-0.05	-1.08	0.0	5.19e-05	-2.95e-05
5303	105	0.15	-0.41	-1.14	0.0	3.22e-05	-1.19e-05
5303	107	0.16	-0.23	-1.11	0.0	3.88e-05	-1.80e-05
5303	108	6.98	-3.33	-1.47	0.0	7.48e-04	-4.43e-04
5303	129	-1.50	-10.45	-2.64	0.0	-1.66e-04	-3.33e-04
5303	140	7.84	-3.72	-1.52	0.0	8.36e-04	-4.96e-04
5303	161	-1.71	-11.74	-2.84	0.0	-1.92e-04	-3.74e-04
5303	172	7.50	-3.64	-1.52	0.0	7.98e-04	-4.93e-04
5303	193	-1.72	-11.72	-2.83	0.0	-1.94e-04	-3.80e-04
5303	204	8.59	-4.21	-1.59	0.0	9.10e-04	-5.75e-04
5303	225	-2.02	-13.74	-3.13	0.0	-2.32e-04	-4.50e-04
5304	18	0.41	0.98	-1.46	0.0	1.53e-04	-1.56e-04
5304	28	0.31	-1.28	-2.06	0.0	7.55e-05	5.03e-05
5304	44	0.25	-1.78	-1.94	0.0	4.78e-05	8.11e-05
5304	75	0.28	0.63	-1.06	0.0	1.04e-04	-1.05e-04
5304	80	0.22	-0.87	-1.45	0.0	5.27e-05	3.31e-05
5304	88	0.18	-1.20	-1.38	0.0	3.42e-05	5.36e-05
5304	98	0.19	-0.28	-1.16	0.0	5.30e-05	0.0
5304	103	0.20	-0.08	-1.08	0.0	5.93e-05	-2.12e-05
5304	105	0.18	-0.45	-1.14	0.0	4.53e-05	1.04e-05
5304	107	0.18	-0.27	-1.11	0.0	5.00e-05	0.0
5304	108	7.38	-3.40	-1.47	0.0	7.28e-04	-4.30e-04
5304	129	-1.58	-10.81	-2.64	0.0	-1.46e-04	-3.25e-04
5304	140	8.28	-3.80	-1.51	0.0	8.13e-04	-4.84e-04
5304	161	-1.81	-12.15	-2.84	0.0	-1.72e-04	-3.67e-04
5304	172	7.92	-3.72	-1.51	0.0	7.76e-04	-4.80e-04
5304	193	-1.82	-12.13	-2.83	0.0	-1.74e-04	-3.70e-04
5304	204	9.07	-4.29	-1.59	0.0	8.82e-04	-5.61e-04

5304	225	-2.13	-14.20	-3.13	0.0	-2.10e-04	-4.41e-04
5305	18	0.49	0.97	-1.46	0.0	1.01e-04	-1.61e-04
5305	28	0.36	-1.37	-2.06	0.0	7.66e-05	9.93e-05
5305	44	0.28	-1.88	-1.94	0.0	5.89e-05	1.34e-04
5305	75	0.34	0.62	-1.06	0.0	6.92e-05	-1.06e-04
5305	80	0.25	-0.94	-1.45	0.0	5.31e-05	6.76e-05
5305	88	0.20	-1.27	-1.38	0.0	4.13e-05	9.07e-05
5305	98	0.23	-0.31	-1.16	0.0	4.63e-05	2.32e-05
5305	103	0.23	-0.11	-1.08	0.0	4.73e-05	-4.02e-06
5305	105	0.21	-0.49	-1.14	0.0	4.17e-05	3.54e-05
5305	107	0.21	-0.30	-1.11	0.0	4.37e-05	2.21e-05
5305	108	7.76	-3.47	-1.47	0.0	6.22e-04	-4.19e-04
5305	129	-1.66	-11.17	-2.64	0.0	-1.21e-04	-3.23e-04
5305	140	8.70	-3.88	-1.51	0.0	6.94e-04	-4.75e-04
5305	161	-1.89	-12.55	-2.83	0.0	-1.42e-04	-3.68e-04
5305	172	8.33	-3.79	-1.51	0.0	6.63e-04	-4.66e-04
5305	193	-1.90	-12.53	-2.83	0.0	-1.44e-04	-3.67e-04
5305	204	9.53	-4.36	-1.58	0.0	7.54e-04	-5.47e-04
5305	225	-2.24	-14.66	-3.13	0.0	-1.75e-04	-4.41e-04
5306	4	0.52	0.31	-1.77	0.0	3.00e-05	-5.32e-05
5306	28	0.40	-1.46	-2.06	0.0	5.03e-05	1.23e-04
5306	44	0.32	-1.98	-1.94	0.0	4.72e-05	1.55e-04
5306	68	0.36	0.18	-1.26	0.0	2.02e-05	-3.30e-05
5306	80	0.28	-1.00	-1.45	0.0	3.37e-05	8.45e-05
5306	88	0.22	-1.34	-1.38	0.0	3.17e-05	1.06e-04
5306	98	0.25	-0.35	-1.16	0.0	2.10e-05	3.78e-05
5306	103	0.25	-0.14	-1.08	0.0	1.63e-05	1.01e-05
5306	105	0.23	-0.53	-1.14	0.0	2.08e-05	4.92e-05
5306	107	0.23	-0.34	-1.11	0.0	1.94e-05	3.61e-05
5306	108	8.05	-3.55	-1.46	0.0	4.38e-04	-4.25e-04
5306	129	-1.71	-11.53	-2.64	0.0	-9.17e-05	-3.45e-04
5306	140	9.02	-3.95	-1.51	0.0	4.90e-04	-4.83e-04
5306	161	-1.96	-12.95	-2.83	0.0	-1.06e-04	-3.94e-04
5306	172	8.63	-3.86	-1.51	0.0	4.69e-04	-4.69e-04
5306	193	-1.97	-12.92	-2.83	0.0	-1.07e-04	-3.90e-04
5306	204	9.88	-4.44	-1.58	0.0	5.37e-04	-5.50e-04
5306	225	-2.32	-15.12	-3.13	0.0	-1.27e-04	-4.68e-04
5307	4	0.35	0.40	-1.53	0.0	1.55e-04	-2.59e-05
5307	28	0.28	-1.19	-1.75	0.0	3.38e-05	-1.59e-06
5307	44	0.22	-1.67	-1.64	0.0	-4.57e-06	4.68e-06
5307	68	0.24	0.25	-1.09	0.0	1.04e-04	-1.81e-05
5307	80	0.19	-0.81	-1.24	0.0	2.38e-05	-1.90e-06
5307	88	0.16	-1.13	-1.16	0.0	-1.77e-06	2.28e-06
5307	98	0.17	-0.24	-0.99	0.0	3.90e-05	-7.26e-06
5307	103	0.18	-0.05	-0.92	0.0	5.43e-05	-1.06e-05
5307	105	0.16	-0.41	-0.97	0.0	2.75e-05	-5.20e-06
5307	107	0.16	-0.23	-0.95	0.0	3.65e-05	-7.20e-06
5307	108	7.04	-3.33	-1.22	0.0	7.52e-04	-4.43e-04
5307	129	-1.47	-10.44	-2.06	0.0	-1.73e-04	-3.42e-04
5307	140	7.90	-3.72	-1.26	0.0	8.41e-04	-4.98e-04
5307	161	-1.67	-11.74	-2.20	0.0	-2.00e-04	-3.86e-04
5307	172	7.59	-3.64	-1.26	0.0	8.03e-04	-4.92e-04
5307	193	-1.67	-11.72	-2.20	0.0	-2.01e-04	-3.90e-04
5307	204	8.71	-4.21	-1.32	0.0	9.16e-04	-5.74e-04
5307	225	-1.96	-13.73	-2.41	0.0	-2.40e-04	-4.64e-04
5308	18	0.45	0.97	-1.28	0.0	1.57e-04	-4.24e-05
5308	28	0.30	-1.28	-1.76	0.0	4.41e-05	2.04e-05
5308	44	0.22	-1.77	-1.65	0.0	1.40e-05	2.88e-05
5308	75	0.31	0.63	-0.92	0.0	1.06e-04	-2.85e-05
5308	80	0.21	-0.87	-1.24	0.0	3.08e-05	1.34e-05
5308	88	0.16	-1.20	-1.17	0.0	1.07e-05	1.90e-05
5308	98	0.19	-0.28	-0.99	0.0	3.86e-05	2.23e-06
5308	103	0.20	-0.08	-0.93	0.0	4.88e-05	-4.29e-06
5308	105	0.17	-0.45	-0.98	0.0	2.97e-05	5.21e-06
5308	107	0.18	-0.27	-0.95	0.0	3.61e-05	1.87e-06
5308	108	7.43	-3.40	-1.23	0.0	6.76e-04	-4.43e-04
5308	129	-1.55	-10.81	-2.06	0.0	-1.49e-04	-3.45e-04
5308	140	8.33	-3.80	-1.26	0.0	7.56e-04	-4.99e-04
5308	161	-1.77	-12.15	-2.20	0.0	-1.72e-04	-3.90e-04
5308	172	8.00	-3.72	-1.26	0.0	7.23e-04	-4.93e-04
5308	193	-1.77	-12.13	-2.20	0.0	-1.74e-04	-3.93e-04
5308	204	9.17	-4.29	-1.32	0.0	8.24e-04	-5.76e-04
5308	225	-2.08	-14.20	-2.42	0.0	-2.08e-04	-4.69e-04
5309	18	0.52	0.97	-1.28	0.0	8.85e-05	-3.23e-05
5309	28	0.32	-1.37	-1.76	0.0	5.26e-05	4.66e-05

5309	44	0.24	-1.88	-1.65	0.0	3.59e-05	5.46e-05
5309	75	0.36	0.62	-0.92	0.0	6.01e-05	-2.07e-05
5309	80	0.23	-0.94	-1.24	0.0	3.61e-05	3.19e-05
5309	88	0.17	-1.27	-1.17	0.0	2.50e-05	3.72e-05
5309	98	0.21	-0.31	-0.99	0.0	3.31e-05	1.63e-05
5309	103	0.23	-0.11	-0.93	0.0	3.56e-05	7.83e-06
5309	105	0.19	-0.49	-0.98	0.0	2.85e-05	1.94e-05
5309	107	0.20	-0.30	-0.95	0.0	3.09e-05	1.54e-05
5309	108	7.76	-3.47	-1.23	0.0	5.58e-04	-4.42e-04
5309	129	-1.62	-11.17	-2.07	0.0	-1.15e-04	-3.55e-04
5309	140	8.70	-3.88	-1.26	0.0	6.24e-04	-5.00e-04
5309	161	-1.85	-12.55	-2.21	0.0	-1.33e-04	-4.02e-04
5309	172	8.35	-3.79	-1.26	0.0	5.97e-04	-4.90e-04
5309	193	-1.86	-12.53	-2.21	0.0	-1.34e-04	-4.03e-04
5309	204	9.57	-4.36	-1.32	0.0	6.81e-04	-5.73e-04
5309	225	-2.18	-14.66	-2.43	0.0	-1.61e-04	-4.82e-04
5310	18	0.55	0.96	-1.29	0.0	3.68e-06	-2.03e-05
5310	28	0.35	-1.46	-1.77	0.0	5.52e-05	5.75e-05
5310	44	0.26	-1.98	-1.66	0.0	5.45e-05	6.38e-05
5310	75	0.38	0.62	-0.93	0.0	2.83e-06	-1.23e-05
5310	80	0.25	-1.00	-1.25	0.0	3.72e-05	3.96e-05
5310	88	0.19	-1.34	-1.17	0.0	3.67e-05	4.38e-05
5310	98	0.23	-0.35	-1.00	0.0	2.23e-05	2.31e-05
5310	103	0.24	-0.14	-0.93	0.0	1.61e-05	1.46e-05
5310	105	0.21	-0.53	-0.98	0.0	2.29e-05	2.58e-05
5310	107	0.22	-0.34	-0.96	0.0	2.07e-05	2.19e-05
5310	108	8.01	-3.55	-1.23	0.0	4.15e-04	-4.48e-04
5310	129	-1.67	-11.53	-2.08	0.0	-7.76e-05	-3.71e-04
5310	140	8.99	-3.95	-1.27	0.0	4.64e-04	-5.07e-04
5310	161	-1.91	-12.95	-2.22	0.0	-9.01e-05	-4.21e-04
5310	172	8.63	-3.86	-1.27	0.0	4.46e-04	-4.95e-04
5310	193	-1.91	-12.92	-2.22	0.0	-9.03e-05	-4.20e-04
5310	204	9.89	-4.44	-1.32	0.0	5.11e-04	-5.79e-04
5310	225	-2.25	-15.12	-2.44	0.0	-1.08e-04	-5.02e-04
5311	4	0.35	0.40	-1.28	0.0	1.46e-04	3.12e-06
5311	28	0.28	-1.19	-1.43	0.0	2.75e-05	-3.11e-06
5311	44	0.23	-1.67	-1.33	0.0	-9.24e-06	-4.30e-06
5311	68	0.24	0.25	-0.91	0.0	9.88e-05	1.78e-06
5311	80	0.20	-0.81	-1.01	0.0	1.95e-05	-2.37e-06
5311	88	0.16	-1.13	-0.94	0.0	-4.98e-06	-3.17e-06
5311	98	0.17	-0.24	-0.81	0.0	3.53e-05	-1.59e-06
5311	103	0.18	-0.05	-0.76	0.0	5.07e-05	0.0
5311	105	0.16	-0.40	-0.79	0.0	2.42e-05	-1.95e-06
5311	107	0.16	-0.23	-0.78	0.0	3.31e-05	-1.66e-06
5311	108	7.09	-3.33	-0.97	0.0	7.37e-04	-4.43e-04
5311	129	-1.42	-10.44	-1.50	0.0	-1.67e-04	-3.51e-04
5311	140	7.96	-3.72	-1.00	0.0	8.25e-04	-4.99e-04
5311	161	-1.62	-11.74	-1.60	0.0	-1.92e-04	-3.96e-04
5311	172	7.66	-3.64	-1.00	0.0	7.89e-04	-4.92e-04
5311	193	-1.61	-11.72	-1.59	0.0	-1.94e-04	-3.99e-04
5311	204	8.81	-4.21	-1.04	0.0	9.01e-04	-5.73e-04
5311	225	-1.89	-13.73	-1.74	0.0	-2.30e-04	-4.76e-04
5312	18	0.44	0.97	-1.08	0.0	1.45e-04	2.14e-05
5312	28	0.29	-1.28	-1.45	0.0	3.38e-05	3.12e-06
5312	44	0.22	-1.77	-1.34	0.0	5.68e-06	0.0
5312	75	0.31	0.63	-0.78	0.0	9.76e-05	1.42e-05
5312	80	0.21	-0.87	-1.02	0.0	2.35e-05	2.02e-06
5312	88	0.16	-1.20	-0.95	0.0	4.77e-06	0.0
5312	98	0.19	-0.28	-0.82	0.0	3.21e-05	3.32e-06
5312	103	0.20	-0.08	-0.77	0.0	4.24e-05	5.12e-06
5312	105	0.17	-0.45	-0.80	0.0	2.38e-05	2.15e-06
5312	107	0.18	-0.27	-0.78	0.0	3.00e-05	2.98e-06
5312	108	7.46	-3.40	-0.98	0.0	6.48e-04	-4.52e-04
5312	129	-1.51	-10.81	-1.52	0.0	-1.42e-04	-3.63e-04
5312	140	8.37	-3.80	-1.01	0.0	7.26e-04	-5.09e-04
5312	161	-1.72	-12.15	-1.61	0.0	-1.64e-04	-4.10e-04
5312	172	8.06	-3.71	-1.01	0.0	6.95e-04	-5.01e-04
5312	193	-1.71	-12.13	-1.61	0.0	-1.65e-04	-4.13e-04
5312	204	9.26	-4.29	-1.05	0.0	7.94e-04	-5.84e-04
5312	225	-2.00	-14.20	-1.76	0.0	-1.97e-04	-4.92e-04
5313	18	0.51	0.97	-1.09	0.0	7.93e-05	3.51e-05
5313	28	0.31	-1.37	-1.46	0.0	4.49e-05	1.12e-05
5313	44	0.23	-1.88	-1.36	0.0	2.96e-05	4.93e-06
5313	75	0.35	0.62	-0.78	0.0	5.36e-05	2.37e-05
5313	80	0.22	-0.93	-1.03	0.0	3.07e-05	7.76e-06

5313	88	0.16	-1.27	-0.96	0.0	2.05e-05	3.58e-06
5313	98	0.21	-0.31	-0.83	0.0	2.82e-05	9.00e-06
5313	103	0.22	-0.11	-0.77	0.0	3.07e-05	1.12e-05
5313	105	0.18	-0.49	-0.81	0.0	2.41e-05	7.21e-06
5313	107	0.20	-0.30	-0.79	0.0	2.63e-05	8.40e-06
5313	108	7.77	-3.47	-0.99	0.0	5.29e-04	-4.58e-04
5313	129	-1.57	-11.17	-1.54	0.0	-1.07e-04	-3.76e-04
5313	140	8.72	-3.88	-1.01	0.0	5.92e-04	-5.17e-04
5313	161	-1.80	-12.55	-1.63	0.0	-1.24e-04	-4.25e-04
5313	172	8.39	-3.79	-1.01	0.0	5.68e-04	-5.07e-04
5313	193	-1.79	-12.53	-1.63	0.0	-1.25e-04	-4.27e-04
5313	204	9.64	-4.36	-1.06	0.0	6.49e-04	-5.92e-04
5313	225	-2.09	-14.66	-1.78	0.0	-1.49e-04	-5.09e-04
5314	18	0.53	0.96	-1.10	0.0	5.70e-06	3.90e-05
5314	28	0.34	-1.46	-1.47	0.0	5.77e-05	1.41e-05
5314	44	0.25	-1.98	-1.37	0.0	5.68e-05	7.12e-06
5314	75	0.36	0.61	-0.79	0.0	4.33e-06	2.64e-05
5314	80	0.24	-1.00	-1.04	0.0	3.90e-05	9.76e-06
5314	88	0.18	-1.34	-0.97	0.0	3.84e-05	5.13e-06
5314	98	0.22	-0.35	-0.83	0.0	2.40e-05	1.08e-05
5314	103	0.23	-0.14	-0.78	0.0	1.77e-05	1.31e-05
5314	105	0.20	-0.53	-0.81	0.0	2.45e-05	8.82e-06
5314	107	0.21	-0.34	-0.80	0.0	2.23e-05	1.01e-05
5314	108	8.01	-3.55	-0.99	0.0	4.01e-04	-4.66e-04
5314	129	-1.62	-11.53	-1.55	0.0	-6.93e-05	-3.88e-04
5314	140	8.99	-3.95	-1.02	0.0	4.49e-04	-5.25e-04
5314	161	-1.85	-12.95	-1.64	0.0	-8.09e-05	-4.39e-04
5314	172	8.66	-3.86	-1.02	0.0	4.33e-04	-5.14e-04
5314	193	-1.84	-12.92	-1.64	0.0	-8.07e-05	-4.40e-04
5314	204	9.94	-4.44	-1.06	0.0	4.95e-04	-6.00e-04
5314	225	-2.16	-15.12	-1.79	0.0	-9.66e-05	-5.25e-04
5315	4	0.52	0.27	-1.77	0.0	-4.00e-05	-5.76e-05
5315	28	0.41	-1.54	-2.06	0.0	2.22e-05	8.40e-05
5315	44	0.33	-2.07	-1.94	0.0	3.31e-05	1.11e-04
5315	68	0.36	0.15	-1.26	0.0	-2.82e-05	-3.75e-05
5315	80	0.29	-1.05	-1.45	0.0	1.32e-05	5.69e-05
5315	88	0.23	-1.41	-1.38	0.0	2.05e-05	7.46e-05
5315	98	0.25	-0.39	-1.16	0.0	-4.38e-06	2.01e-05
5315	103	0.25	-0.17	-1.08	0.0	-1.42e-05	-1.92e-06
5315	105	0.23	-0.57	-1.14	0.0	0.0	2.96e-05
5315	107	0.24	-0.37	-1.11	0.0	-5.01e-06	1.89e-05
5315	108	8.21	-3.61	-1.46	0.0	2.60e-04	-4.48e-04
5315	129	-1.75	-11.87	-2.64	0.0	-6.14e-05	-3.64e-04
5315	140	9.21	-4.02	-1.51	0.0	2.93e-04	-5.07e-04
5315	161	-2.00	-13.32	-2.83	0.0	-6.85e-05	-4.13e-04
5315	172	8.81	-3.93	-1.51	0.0	2.83e-04	-4.95e-04
5315	193	-2.01	-13.29	-2.83	0.0	-6.81e-05	-4.11e-04
5315	204	10.08	-4.51	-1.58	0.0	3.28e-04	-5.78e-04
5315	225	-2.37	-15.55	-3.13	0.0	-7.75e-05	-4.90e-04
5316	4	0.48	0.24	-1.78	0.0	-8.37e-05	-5.32e-05
5316	28	0.42	-1.62	-2.06	0.0	8.49e-06	2.77e-05
5316	44	0.35	-2.17	-1.95	0.0	2.91e-05	4.44e-05
5316	68	0.33	0.13	-1.27	0.0	-5.82e-05	-3.63e-05
5316	80	0.29	-1.11	-1.46	0.0	3.21e-06	1.76e-05
5316	88	0.24	-1.48	-1.38	0.0	1.70e-05	2.88e-05
5316	98	0.24	-0.42	-1.16	0.0	-1.83e-05	-2.23e-06
5316	105	0.22	-0.61	-1.15	0.0	-1.14e-05	3.55e-06
5316	107	0.23	-0.41	-1.11	0.0	-1.83e-05	-2.59e-06
5316	108	8.29	-3.68	-1.46	0.0	1.13e-04	-4.75e-04
5316	129	-1.77	-12.19	-2.64	0.0	7.48e-05	-3.85e-04
5316	140	9.30	-4.10	-1.51	0.0	1.30e-04	-5.34e-04
5316	161	-2.03	-13.69	-2.83	0.0	8.64e-05	-4.35e-04
5316	172	8.90	-4.00	-1.51	0.0	1.27e-04	-5.24e-04
5316	193	-2.03	-13.65	-2.83	0.0	8.43e-05	-4.35e-04
5316	204	10.18	-4.58	-1.58	0.0	1.52e-04	-6.09e-04
5316	225	-2.39	-15.96	-3.13	0.0	1.02e-04	-5.17e-04
5317	4	0.42	0.19	-1.78	3.35e-04	-2.20e-05	-2.75e-05
5317	28	0.42	-1.72	-2.07	4.41e-04	4.88e-05	-2.64e-05
5317	44	0.36	-2.27	-1.96	4.37e-04	5.98e-05	-2.38e-05
5317	68	0.29	0.09	-1.27	2.43e-04	-1.48e-05	-2.02e-05
5317	80	0.29	-1.18	-1.46	3.13e-04	3.24e-05	-1.94e-05
5317	88	0.25	-1.55	-1.39	3.11e-04	3.98e-05	-1.77e-05
5317	98	0.23	-0.47	-1.16	2.45e-04	1.14e-05	-1.84e-05
5317	105	0.21	-0.66	-1.15	2.48e-04	1.56e-05	-1.78e-05
5317	107	0.21	-0.45	-1.12	2.37e-04	1.04e-05	-1.80e-05

5317	108	8.32	-3.76	-1.47	3.57e-04	1.62e-04	-4.97e-04
5317	129	-1.78	-12.53	-2.64	9.02e-04	-1.66e-05	-4.11e-04
5317	140	9.34	-4.18	-1.51	3.73e-04	1.81e-04	-5.58e-04
5317	161	-2.04	-14.06	-2.84	9.85e-04	-1.99e-05	-4.62e-04
5317	172	8.94	-4.07	-1.51	3.70e-04	1.77e-04	-5.47e-04
5317	193	-2.04	-14.02	-2.83	9.82e-04	-1.90e-05	-4.63e-04
5317	204	10.24	-4.66	-1.58	3.93e-04	2.05e-04	-6.33e-04
5317	225	-2.40	-16.38	-3.13	1.11e-03	-2.28e-05	-5.47e-04
5318	18	0.53	0.95	-1.29	0.0	-7.41e-05	-2.12e-05
5318	28	0.38	-1.54	-1.77	0.0	5.38e-05	4.01e-05
5318	44	0.29	-2.07	-1.66	0.0	6.74e-05	4.53e-05
5318	75	0.36	0.61	-0.93	0.0	-4.98e-05	-1.36e-05
5318	80	0.27	-1.05	-1.25	0.0	3.55e-05	2.72e-05
5318	88	0.21	-1.41	-1.18	0.0	4.45e-05	3.07e-05
5318	98	0.24	-0.39	-1.00	0.0	1.06e-05	1.43e-05
5318	103	0.25	-0.17	-0.93	0.0	-3.13e-06	7.59e-06
5318	105	0.21	-0.57	-0.98	0.0	1.57e-05	1.65e-05
5318	107	0.22	-0.37	-0.96	0.0	9.47e-06	1.34e-05
5318	108	8.18	-3.61	-1.23	0.0	2.83e-04	-4.63e-04
5318	129	-1.70	-11.87	-2.08	0.0	-4.47e-05	-3.87e-04
5318	140	9.18	-4.02	-1.27	0.0	3.17e-04	-5.23e-04
5318	161	-1.95	-13.32	-2.22	0.0	-5.15e-05	-4.38e-04
5318	172	8.81	-3.93	-1.27	0.0	3.07e-04	-5.11e-04
5318	193	-1.95	-13.29	-2.22	0.0	-5.09e-05	-4.37e-04
5318	204	10.10	-4.51	-1.33	0.0	3.53e-04	-5.95e-04
5318	225	-2.29	-15.54	-2.44	0.0	-5.98e-05	-5.21e-04
5319	4	0.49	0.24	-1.56	0.0	-7.25e-05	-1.42e-05
5319	28	0.41	-1.62	-1.78	0.0	5.11e-05	9.16e-06
5319	44	0.33	-2.17	-1.67	0.0	7.51e-05	1.34e-05
5319	68	0.34	0.13	-1.11	0.0	-4.94e-05	-1.01e-05
5319	80	0.28	-1.11	-1.26	0.0	3.30e-05	5.46e-06
5319	88	0.23	-1.47	-1.18	0.0	4.90e-05	8.30e-06
5319	98	0.24	-0.42	-1.00	0.0	1.28e-06	-1.41e-06
5319	105	0.22	-0.61	-0.99	0.0	9.67e-06	0.0
5319	107	0.23	-0.41	-0.96	0.0	0.0	-1.72e-06
5319	108	8.28	-3.68	-1.24	0.0	1.46e-04	-4.80e-04
5319	129	-1.72	-12.19	-2.09	0.0	1.08e-04	-3.99e-04
5319	140	9.29	-4.10	-1.27	0.0	1.65e-04	-5.41e-04
5319	161	-1.96	-13.69	-2.23	0.0	1.22e-04	-4.50e-04
5319	172	8.92	-4.00	-1.27	0.0	1.62e-04	-5.29e-04
5319	193	-1.96	-13.65	-2.23	0.0	1.19e-04	-4.50e-04
5319	204	10.23	-4.58	-1.33	0.0	1.88e-04	-6.15e-04
5319	225	-2.30	-15.96	-2.45	0.0	1.39e-04	-5.34e-04
5320	4	0.44	0.19	-1.57	3.41e-04	-2.20e-05	-2.71e-05
5320	28	0.43	-1.72	-1.79	4.43e-04	4.88e-05	-2.61e-05
5320	44	0.37	-2.27	-1.68	4.36e-04	5.98e-05	-2.36e-05
5320	68	0.30	0.09	-1.12	2.46e-04	-1.48e-05	-1.99e-05
5320	80	0.30	-1.18	-1.27	3.14e-04	3.24e-05	-1.92e-05
5320	88	0.26	-1.55	-1.19	3.10e-04	3.98e-05	-1.75e-05
5320	98	0.24	-0.47	-1.01	2.46e-04	1.14e-05	-1.81e-05
5320	105	0.22	-0.66	-0.99	2.48e-04	1.56e-05	-1.75e-05
5320	107	0.22	-0.45	-0.97	2.37e-04	1.04e-05	-1.77e-05
5320	108	8.34	-3.76	-1.24	3.56e-04	1.62e-04	-4.97e-04
5320	129	-1.72	-12.53	-2.09	8.57e-04	-1.66e-05	-4.10e-04
5320	140	9.36	-4.18	-1.28	3.72e-04	1.81e-04	-5.57e-04
5320	161	-1.97	-14.05	-2.24	9.36e-04	-1.99e-05	-4.61e-04
5320	172	8.98	-4.07	-1.28	3.70e-04	1.77e-04	-5.46e-04
5320	193	-1.96	-14.02	-2.24	9.33e-04	-1.90e-05	-4.62e-04
5320	204	10.30	-4.66	-1.34	3.93e-04	2.05e-04	-6.33e-04
5320	225	-2.31	-16.38	-2.46	1.05e-03	-2.28e-05	-5.46e-04
5321	18	0.51	0.95	-1.11	0.0	-5.88e-05	2.80e-05
5321	28	0.37	-1.54	-1.48	0.0	6.77e-05	7.22e-06
5321	44	0.29	-2.07	-1.38	0.0	7.93e-05	1.83e-06
5321	75	0.35	0.60	-0.80	0.0	-3.89e-05	1.87e-05
5321	80	0.26	-1.05	-1.04	0.0	4.54e-05	4.80e-06
5321	88	0.20	-1.41	-0.97	0.0	5.32e-05	1.20e-06
5321	98	0.23	-0.39	-0.84	0.0	1.96e-05	5.77e-06
5321	103	0.24	-0.17	-0.78	0.0	5.86e-06	7.73e-06
5321	105	0.21	-0.57	-0.82	0.0	2.43e-05	4.23e-06
5321	107	0.22	-0.37	-0.80	0.0	1.82e-05	5.26e-06
5321	108	8.18	-3.61	-1.00	0.0	2.91e-04	-4.75e-04
5321	129	-1.64	-11.87	-1.56	0.0	-3.68e-05	-3.99e-04
5321	140	9.18	-4.02	-1.03	0.0	3.25e-04	-5.36e-04
5321	161	-1.88	-13.32	-1.65	0.0	-4.37e-05	-4.50e-04
5321	172	8.84	-3.93	-1.03	0.0	3.15e-04	-5.24e-04

5321	193	-1.87	-13.29	-1.65	0.0	-4.30e-05	-4.51e-04
5321	204	10.15	-4.51	-1.07	0.0	3.62e-04	-6.10e-04
5321	225	-2.19	-15.54	-1.80	0.0	-5.19e-05	-5.36e-04
5322	4	0.49	0.24	-1.33	0.0	-4.66e-05	1.98e-06
5322	28	0.41	-1.62	-1.49	0.0	7.33e-05	-6.63e-06
5322	44	0.33	-2.16	-1.39	0.0	9.39e-05	-8.69e-06
5322	68	0.34	0.13	-0.94	0.0	-3.11e-05	0.0
5322	80	0.28	-1.11	-1.05	0.0	4.89e-05	-5.17e-06
5322	88	0.23	-1.47	-0.98	0.0	6.26e-05	-6.55e-06
5322	98	0.24	-0.42	-0.84	0.0	1.56e-05	-4.20e-06
5322	105	0.22	-0.61	-0.83	0.0	2.32e-05	-4.82e-06
5322	107	0.23	-0.41	-0.81	0.0	1.43e-05	-4.34e-06
5322	108	8.29	-3.68	-1.01	0.0	1.65e-04	-4.85e-04
5322	129	-1.65	-12.19	-1.57	0.0	1.36e-04	-4.05e-04
5322	140	9.30	-4.10	-1.03	0.0	1.84e-04	-5.46e-04
5322	161	-1.89	-13.69	-1.67	0.0	1.51e-04	-4.56e-04
5322	172	8.96	-3.99	-1.03	0.0	1.81e-04	-5.34e-04
5322	193	-1.88	-13.65	-1.66	0.0	1.48e-04	-4.57e-04
5322	204	10.29	-4.58	-1.08	0.0	2.08e-04	-6.20e-04
5322	225	-2.21	-15.96	-1.81	0.0	1.70e-04	-5.42e-04
5323	4	0.45	0.19	-1.35	3.22e-04	-2.20e-05	-2.69e-05
5323	28	0.45	-1.72	-1.51	4.15e-04	4.88e-05	-2.59e-05
5323	44	0.39	-2.27	-1.41	4.08e-04	5.98e-05	-2.34e-05
5323	68	0.31	0.09	-0.96	2.33e-04	-1.48e-05	-1.97e-05
5323	80	0.31	-1.18	-1.07	2.94e-04	3.24e-05	-1.90e-05
5323	88	0.27	-1.55	-1.00	2.90e-04	3.98e-05	-1.73e-05
5323	98	0.25	-0.47	-0.85	2.30e-04	1.14e-05	-1.79e-05
5323	105	0.23	-0.66	-0.84	2.32e-04	1.56e-05	-1.73e-05
5323	107	0.23	-0.45	-0.82	2.22e-04	1.04e-05	-1.75e-05
5323	108	8.37	-3.76	-1.02	3.32e-04	1.62e-04	-4.96e-04
5323	129	-1.65	-12.52	-1.58	7.66e-04	-1.66e-05	-4.10e-04
5323	140	9.39	-4.17	-1.04	3.46e-04	1.81e-04	-5.57e-04
5323	161	-1.89	-14.05	-1.68	8.35e-04	-1.99e-05	-4.60e-04
5323	172	9.05	-4.07	-1.05	3.45e-04	1.77e-04	-5.46e-04
5323	193	-1.88	-14.01	-1.68	8.33e-04	-1.90e-05	-4.62e-04
5323	204	10.39	-4.66	-1.09	3.67e-04	2.05e-04	-6.33e-04
5323	225	-2.21	-16.37	-1.83	9.39e-04	-2.28e-05	-5.46e-04
5324	4	0.34	0.40	-1.07	0.0	1.28e-04	1.41e-05
5324	28	0.28	-1.19	-1.18	0.0	2.79e-05	-6.30e-06
5324	44	0.23	-1.67	-1.08	0.0	-3.72e-06	-1.07e-05
5324	68	0.24	0.25	-0.76	0.0	8.67e-05	9.22e-06
5324	80	0.20	-0.81	-0.83	0.0	1.97e-05	-4.36e-06
5324	88	0.16	-1.13	-0.77	0.0	-1.40e-06	-7.27e-06
5324	98	0.17	-0.24	-0.67	0.0	3.22e-05	0.0
5324	103	0.17	-0.05	-0.63	0.0	4.50e-05	2.65e-06
5324	105	0.16	-0.40	-0.65	0.0	2.27e-05	-1.87e-06
5324	107	0.16	-0.23	-0.64	0.0	3.02e-05	0.0
5324	108	7.14	-3.33	-0.77	0.0	7.17e-04	-4.45e-04
5324	129	-1.37	-10.44	-1.08	0.0	-1.55e-04	-3.56e-04
5324	140	8.01	-3.72	-0.79	0.0	8.03e-04	-5.01e-04
5324	161	-1.57	-11.74	-1.14	0.0	-1.79e-04	-4.02e-04
5324	172	7.74	-3.64	-0.79	0.0	7.69e-04	-4.93e-04
5324	193	-1.55	-11.72	-1.14	0.0	-1.79e-04	-4.05e-04
5324	204	8.92	-4.21	-0.81	0.0	8.80e-04	-5.74e-04
5324	225	-1.81	-13.73	-1.23	0.0	-2.13e-04	-4.83e-04
5325	18	0.42	0.97	-0.92	0.0	4.72e-04	4.72e-05
5325	28	0.29	-1.28	-1.20	0.0	3.40e-05	-7.85e-06
5325	44	0.23	-1.77	-1.10	0.0	9.67e-06	-1.70e-05
5325	75	0.29	0.63	-0.66	0.0	8.50e-05	3.14e-05
5325	80	0.21	-0.87	-0.84	0.0	2.36e-05	-5.32e-06
5325	88	0.16	-1.20	-0.78	0.0	7.37e-06	-1.14e-05
5325	98	0.19	-0.28	-0.68	0.0	2.98e-05	1.95e-06
5325	103	0.20	-0.08	-0.64	0.0	3.82e-05	7.57e-06
5325	105	0.17	-0.45	-0.66	0.0	2.27e-05	0.0
5325	107	0.18	-0.27	-0.65	0.0	2.79e-05	1.71e-06
5325	108	7.50	-3.40	-0.78	0.0	6.31e-04	-4.57e-04
5325	129	-1.45	-10.81	-1.11	0.0	-1.32e-04	-3.73e-04
5325	140	8.42	-3.80	-0.80	0.0	7.07e-04	-5.15e-04
5325	161	-1.66	-12.14	-1.16	0.0	-1.53e-04	-4.21e-04
5325	172	8.13	-3.71	-0.80	0.0	6.78e-04	-5.06e-04
5325	193	-1.64	-12.13	-1.16	0.0	-1.53e-04	-4.24e-04
5325	204	9.36	-4.29	-0.83	0.0	7.76e-04	-5.90e-04
5325	225	-1.92	-14.20	-1.25	0.0	-1.82e-04	-5.05e-04
5326	18	0.47	0.97	-0.93	0.0	7.25e-05	6.11e-05
5326	28	0.31	-1.37	-1.21	0.0	4.55e-05	-8.74e-06

5326	44	0.24	-1.88	-1.12	0.0	3.16e-05	-2.07e-05
5326	75	0.33	0.62	-0.67	0.0	4.91e-05	4.07e-05
5326	80	0.22	-0.93	-0.85	0.0	3.11e-05	-5.89e-06
5326	88	0.17	-1.27	-0.79	0.0	2.19e-05	-1.39e-05
5326	98	0.20	-0.31	-0.69	0.0	2.77e-05	3.30e-06
5326	103	0.21	-0.11	-0.65	0.0	2.94e-05	1.04e-05
5326	105	0.18	-0.49	-0.67	0.0	2.40e-05	0.0
5326	107	0.19	-0.30	-0.66	0.0	2.58e-05	2.96e-06
5326	108	7.80	-3.47	-0.79	0.0	5.16e-04	-4.68e-04
5326	129	-1.51	-11.17	-1.12	0.0	-9.99e-05	-3.87e-04
5326	140	8.75	-3.87	-0.81	0.0	5.78e-04	-5.27e-04
5326	161	-1.73	-12.55	-1.18	0.0	-1.16e-04	-4.38e-04
5326	172	8.46	-3.79	-0.81	0.0	5.56e-04	-5.17e-04
5326	193	-1.71	-12.53	-1.18	0.0	-1.16e-04	-4.39e-04
5326	204	9.73	-4.36	-0.84	0.0	6.36e-04	-6.02e-04
5326	225	-2.00	-14.66	-1.27	0.0	-1.38e-04	-5.23e-04
5327	18	0.49	0.96	-0.94	0.0	1.43e-05	6.05e-05
5327	28	0.34	-1.46	-1.22	0.0	6.00e-05	-9.97e-06
5327	44	0.26	-1.98	-1.13	0.0	5.77e-05	-2.21e-05
5327	75	0.34	0.61	-0.68	0.0	1.03e-05	4.02e-05
5327	80	0.24	-1.00	-0.86	0.0	4.07e-05	-6.83e-06
5327	88	0.19	-1.34	-0.80	0.0	3.92e-05	-1.49e-05
5327	98	0.22	-0.35	-0.70	0.0	2.64e-05	2.46e-06
5327	103	0.23	-0.14	-0.65	0.0	2.08e-05	9.60e-06
5327	105	0.20	-0.53	-0.68	0.0	2.66e-05	-1.41e-06
5327	107	0.21	-0.34	-0.67	0.0	2.47e-05	2.12e-06
5327	108	8.04	-3.55	-0.80	0.0	3.96e-04	-4.76e-04
5327	129	-1.56	-11.53	-1.14	0.0	-6.44e-05	-3.98e-04
5327	140	9.02	-3.95	-0.82	0.0	4.43e-04	-5.37e-04
5327	161	-1.78	-12.95	-1.20	0.0	-7.56e-05	-4.49e-04
5327	172	8.71	-3.86	-0.82	0.0	4.28e-04	-5.25e-04
5327	193	-1.76	-12.92	-1.20	0.0	-7.52e-05	-4.51e-04
5327	204	10.02	-4.44	-0.85	0.0	4.90e-04	-6.12e-04
5327	225	-2.06	-15.12	-1.29	0.0	-9.04e-05	-5.36e-04
5328	4	0.33	0.40	-0.93	0.0	1.09e-04	1.53e-05
5328	28	0.28	-1.19	-1.00	0.0	3.24e-05	-9.31e-06
5328	44	0.24	-1.67	-0.91	0.0	6.69e-06	-1.44e-05
5328	68	0.23	0.25	-0.66	0.0	7.39e-05	1.00e-05
5328	80	0.20	-0.81	-0.70	0.0	2.27e-05	-6.39e-06
5328	88	0.17	-1.13	-0.64	0.0	5.52e-06	-9.76e-06
5328	98	0.17	-0.24	-0.57	0.0	3.05e-05	-1.29e-06
5328	105	0.16	-0.40	-0.55	0.0	2.29e-05	-2.97e-06
5328	107	0.16	-0.23	-0.55	0.0	2.86e-05	-1.30e-06
5328	108	7.20	-3.33	-0.63	0.0	7.00e-04	-4.46e-04
5328	129	-1.32	-10.44	-0.80	0.0	-1.42e-04	-3.59e-04
5328	133	4.85	-8.81	-0.80	0.0	4.52e-04	4.50e-05
5328	140	8.08	-3.72	-0.64	0.0	7.84e-04	-5.02e-04
5328	161	-1.51	-11.73	-0.83	0.0	-1.64e-04	-4.05e-04
5328	165	5.43	-9.88	-0.83	0.0	5.04e-04	5.14e-05
5328	172	7.83	-3.64	-0.64	0.0	7.53e-04	-4.93e-04
5328	193	-1.49	-11.72	-0.83	0.0	-1.64e-04	-4.08e-04
5328	204	9.04	-4.21	-0.66	0.0	8.63e-04	-5.75e-04
5328	225	-1.73	-13.73	-0.88	0.0	-1.94e-04	-4.86e-04
5329	4	0.39	0.37	-0.95	0.0	9.14e-05	3.09e-05
5329	28	0.30	-1.28	-1.02	0.0	3.86e-05	-1.47e-05
5329	44	0.24	-1.77	-0.93	0.0	1.84e-05	-2.48e-05
5329	68	0.27	0.23	-0.67	0.0	6.19e-05	2.04e-05
5329	80	0.21	-0.87	-0.72	0.0	2.67e-05	-9.99e-06
5329	88	0.17	-1.20	-0.66	0.0	1.33e-05	-1.67e-05
5329	98	0.19	-0.28	-0.58	0.0	2.95e-05	0.0
5329	103	0.19	-0.08	-0.55	0.0	3.54e-05	6.21e-06
5329	105	0.17	-0.45	-0.56	0.0	2.36e-05	-3.92e-06
5329	107	0.18	-0.27	-0.56	0.0	2.76e-05	0.0
5329	108	7.55	-3.40	-0.64	0.0	6.18e-04	-4.61e-04
5329	129	-1.39	-10.81	-0.82	0.0	-1.21e-04	-3.78e-04
5329	133	5.07	-9.10	-0.82	0.0	4.05e-04	4.76e-05
5329	140	8.47	-3.80	-0.65	0.0	6.92e-04	-5.18e-04
5329	161	-1.59	-12.14	-0.85	0.0	-1.40e-04	-4.26e-04
5329	165	5.68	-10.20	-0.85	0.0	4.51e-04	5.42e-05
5329	172	8.21	-3.71	-0.65	0.0	6.65e-04	-5.09e-04
5329	193	-1.57	-12.13	-0.85	0.0	-1.40e-04	-4.29e-04
5329	204	9.47	-4.28	-0.67	0.0	7.62e-04	-5.92e-04
5329	225	-1.83	-14.20	-0.90	0.0	-1.66e-04	-5.10e-04
5330	18	0.43	0.97	-0.82	0.0	6.71e-05	6.37e-05
5330	28	0.32	-1.37	-1.03	0.0	4.92e-05	-1.93e-05

5330	44	0.26	-1.87	-0.94	0.0	3.67e-05	-3.21e-05
5330	75	0.30	0.62	-0.59	0.0	4.57e-05	4.21e-05
5330	80	0.23	-0.93	-0.73	0.0	3.37e-05	-1.32e-05
5330	88	0.18	-1.27	-0.66	0.0	2.54e-05	-2.18e-05
5330	98	0.20	-0.31	-0.59	0.0	2.89e-05	-1.23e-06
5330	103	0.21	-0.11	-0.56	0.0	2.97e-05	7.31e-06
5330	105	0.19	-0.49	-0.57	0.0	2.57e-05	-5.46e-06
5330	107	0.19	-0.30	-0.56	0.0	2.71e-05	-1.35e-06
5330	108	7.84	-3.47	-0.65	0.0	5.10e-04	-4.73e-04
5330	129	-1.45	-11.17	-0.83	0.0	-9.22e-05	-3.93e-04
5330	133	5.27	-9.39	-0.83	0.0	3.43e-04	4.87e-05
5330	140	8.80	-3.87	-0.66	0.0	5.70e-04	-5.32e-04
5330	161	-1.66	-12.55	-0.86	0.0	-1.07e-04	-4.43e-04
5330	165	5.90	-10.52	-0.87	0.0	3.83e-04	5.55e-05
5330	172	8.53	-3.79	-0.66	0.0	5.50e-04	-5.22e-04
5330	193	-1.63	-12.53	-0.86	0.0	-1.07e-04	-4.45e-04
5330	204	9.84	-4.36	-0.68	0.0	6.30e-04	-6.07e-04
5330	225	-1.90	-14.66	-0.92	0.0	-1.28e-04	-5.30e-04
5331	4	0.46	0.31	-0.97	0.0	4.24e-05	3.53e-05
5331	28	0.35	-1.45	-1.04	0.0	6.22e-05	-2.22e-05
5331	44	0.28	-1.97	-0.95	0.0	5.82e-05	-3.49e-05
5331	68	0.32	0.18	-0.69	0.0	2.93e-05	2.30e-05
5331	80	0.25	-1.00	-0.73	0.0	4.25e-05	-1.53e-05
5331	88	0.20	-1.34	-0.67	0.0	3.98e-05	-2.38e-05
5331	98	0.22	-0.35	-0.60	0.0	2.92e-05	-3.20e-06
5331	103	0.22	-0.14	-0.56	0.0	2.44e-05	5.39e-06
5331	105	0.20	-0.53	-0.58	0.0	2.88e-05	-7.38e-06
5331	107	0.21	-0.34	-0.57	0.0	2.73e-05	-3.27e-06
5331	108	8.08	-3.55	-0.66	0.0	3.96e-04	-4.82e-04
5331	129	-1.49	-11.53	-0.84	0.0	-6.09e-05	-4.03e-04
5331	133	5.43	-9.68	-0.84	0.0	2.80e-04	4.87e-05
5331	140	9.07	-3.95	-0.67	0.0	4.42e-04	-5.42e-04
5331	161	-1.70	-12.95	-0.88	0.0	-7.20e-05	-4.54e-04
5331	165	6.08	-10.84	-0.88	0.0	3.11e-04	5.58e-05
5331	172	8.79	-3.86	-0.67	0.0	4.28e-04	-5.31e-04
5331	193	-1.68	-12.92	-0.88	0.0	-7.14e-05	-4.56e-04
5331	204	10.13	-4.44	-0.69	0.0	4.90e-04	-6.17e-04
5331	225	-1.96	-15.12	-0.93	0.0	-8.63e-05	-5.42e-04
5332	4	0.33	0.40	-0.85	0.0	9.27e-05	1.20e-05
5332	28	0.29	-1.19	-0.89	0.0	3.93e-05	-1.12e-05
5332	44	0.25	-1.67	-0.79	0.0	1.90e-05	-1.56e-05
5332	68	0.23	0.25	-0.60	0.0	6.29e-05	7.73e-06
5332	80	0.20	-0.81	-0.62	0.0	2.73e-05	-7.72e-06
5332	88	0.17	-1.13	-0.56	0.0	1.38e-05	-1.07e-05
5332	98	0.17	-0.24	-0.51	0.0	3.02e-05	-2.66e-06
5332	105	0.16	-0.40	-0.49	0.0	2.44e-05	-4.16e-06
5332	107	0.17	-0.23	-0.49	0.0	2.84e-05	-2.59e-06
5332	108	7.27	-3.33	-0.54	0.0	6.81e-04	-4.46e-04
5332	129	-1.27	-10.44	-0.61	0.0	-1.27e-04	-3.61e-04
5332	133	4.85	-8.81	-0.62	0.0	4.43e-04	4.40e-05
5332	140	8.16	-3.72	-0.55	0.0	7.63e-04	-5.02e-04
5332	161	-1.45	-11.73	-0.63	0.0	-1.46e-04	-4.07e-04
5332	165	5.44	-9.88	-0.64	0.0	4.94e-04	5.05e-05
5332	172	7.93	-3.64	-0.55	0.0	7.35e-04	-4.93e-04
5332	193	-1.42	-11.72	-0.63	0.0	-1.46e-04	-4.09e-04
5332	197	5.29	-9.65	-0.64	0.0	4.76e-04	5.30e-05
5332	204	9.17	-4.21	-0.56	0.0	8.43e-04	-5.74e-04
5332	225	-1.65	-13.73	-0.65	0.0	-1.73e-04	-4.87e-04
5332	233	5.47	-11.38	-0.66	0.0	4.75e-04	4.56e-05
5333	4	0.37	0.37	-0.86	0.0	8.14e-05	2.43e-05
5333	28	0.31	-1.28	-0.90	0.0	4.50e-05	-1.82e-05
5333	44	0.26	-1.77	-0.81	0.0	2.85e-05	-2.70e-05
5333	68	0.26	0.23	-0.61	0.0	5.54e-05	1.58e-05
5333	80	0.22	-0.87	-0.63	0.0	3.11e-05	-1.25e-05
5333	88	0.18	-1.20	-0.57	0.0	2.01e-05	-1.84e-05
5333	98	0.19	-0.28	-0.52	0.0	3.02e-05	-3.24e-06
5333	103	0.19	-0.08	-0.49	0.0	3.38e-05	3.24e-06
5333	105	0.18	-0.45	-0.50	0.0	2.57e-05	-6.20e-06
5333	107	0.18	-0.27	-0.49	0.0	2.84e-05	-3.20e-06
5333	108	7.61	-3.40	-0.55	0.0	6.06e-04	-4.62e-04
5333	129	-1.33	-10.81	-0.62	0.0	-1.09e-04	-3.80e-04
5333	133	5.08	-9.10	-0.64	0.0	3.99e-04	4.52e-05
5333	140	8.54	-3.80	-0.56	0.0	6.78e-04	-5.19e-04
5333	161	-1.52	-12.14	-0.64	0.0	-1.26e-04	-4.29e-04
5333	165	5.69	-10.20	-0.65	0.0	4.45e-04	5.18e-05

5333	172	8.30	-3.71	-0.56	0.0	6.54e-04	-5.09e-04
5333	193	-1.49	-12.12	-0.64	0.0	-1.26e-04	-4.31e-04
5333	197	5.53	-9.96	-0.65	0.0	4.30e-04	5.41e-05
5333	204	9.59	-4.28	-0.57	0.0	7.50e-04	-5.92e-04
5333	225	-1.73	-14.20	-0.67	0.0	-1.49e-04	-5.12e-04
5333	233	5.71	-11.74	-0.68	0.0	4.32e-04	4.69e-05
5334	4	0.41	0.34	-0.87	0.0	6.63e-05	2.92e-05
5334	28	0.34	-1.37	-0.91	0.0	5.39e-05	-2.40e-05
5334	44	0.27	-1.87	-0.82	0.0	4.25e-05	-3.51e-05
5334	68	0.29	0.20	-0.61	0.0	4.54e-05	1.89e-05
5334	80	0.24	-0.93	-0.64	0.0	3.70e-05	-1.65e-05
5334	88	0.19	-1.27	-0.58	0.0	2.95e-05	-2.39e-05
5334	98	0.21	-0.31	-0.52	0.0	3.08e-05	-4.81e-06
5334	103	0.21	-0.11	-0.50	0.0	3.07e-05	3.29e-06
5334	105	0.19	-0.49	-0.51	0.0	2.80e-05	-8.54e-06
5334	107	0.20	-0.30	-0.50	0.0	2.89e-05	-4.74e-06
5334	108	7.90	-3.47	-0.56	0.0	5.05e-04	-4.75e-04
5334	129	-1.38	-11.17	-0.63	0.0	-8.44e-05	-3.96e-04
5334	133	5.27	-9.39	-0.65	0.0	3.41e-04	4.53e-05
5334	140	8.87	-3.87	-0.57	0.0	5.65e-04	-5.34e-04
5334	161	-1.58	-12.55	-0.65	0.0	-9.87e-05	-4.46e-04
5334	165	5.90	-10.52	-0.67	0.0	3.79e-04	5.21e-05
5334	172	8.62	-3.79	-0.57	0.0	5.46e-04	-5.23e-04
5334	193	-1.55	-12.53	-0.65	0.0	-9.79e-05	-4.48e-04
5334	197	5.74	-10.27	-0.66	0.0	3.67e-04	5.42e-05
5334	204	9.96	-4.36	-0.58	0.0	6.25e-04	-6.08e-04
5334	225	-1.80	-14.66	-0.68	0.0	-1.17e-04	-5.32e-04
5334	233	5.93	-12.11	-0.69	0.0	3.75e-04	4.71e-05
5335	4	0.44	0.31	-0.88	0.0	5.08e-05	2.56e-05
5335	28	0.37	-1.45	-0.92	0.0	6.43e-05	-2.74e-05
5335	44	0.30	-1.97	-0.83	0.0	5.85e-05	-3.82e-05
5335	68	0.31	0.18	-0.62	0.0	3.51e-05	1.63e-05
5335	80	0.26	-1.00	-0.65	0.0	4.41e-05	-1.90e-05
5335	88	0.21	-1.34	-0.59	0.0	4.02e-05	-2.62e-05
5335	98	0.22	-0.35	-0.53	0.0	3.19e-05	-7.08e-06
5335	103	0.22	-0.14	-0.50	0.0	2.79e-05	1.04e-06
5335	105	0.21	-0.53	-0.51	0.0	3.09e-05	-1.07e-05
5335	107	0.21	-0.34	-0.51	0.0	3.00e-05	-6.95e-06
5335	108	8.13	-3.55	-0.57	0.0	3.98e-04	-4.85e-04
5335	129	-1.42	-11.53	-0.64	0.0	-5.79e-05	-4.05e-04
5335	133	5.43	-9.68	-0.66	0.0	2.79e-04	4.49e-05
5335	140	9.13	-3.95	-0.57	0.0	4.44e-04	-5.45e-04
5335	161	-1.63	-12.95	-0.66	0.0	-6.89e-05	-4.57e-04
5335	165	6.08	-10.84	-0.68	0.0	3.10e-04	5.19e-05
5335	172	8.87	-3.86	-0.57	0.0	4.30e-04	-5.33e-04
5335	193	-1.60	-12.92	-0.66	0.0	-6.81e-05	-4.58e-04
5335	197	5.92	-10.58	-0.67	0.0	3.01e-04	5.41e-05
5335	204	10.25	-4.44	-0.59	0.0	4.92e-04	-6.19e-04
5335	225	-1.86	-15.12	-0.69	0.0	-8.27e-05	-5.44e-04
5335	233	6.11	-12.46	-0.70	0.0	3.15e-04	4.69e-05
5336	4	0.32	0.40	-0.80	0.0	8.09e-05	7.17e-06
5336	28	0.30	-1.19	-0.82	0.0	4.70e-05	-1.21e-05
5336	44	0.25	-1.67	-0.72	0.0	3.10e-05	-1.53e-05
5336	68	0.22	0.25	-0.56	0.0	5.52e-05	4.46e-06
5336	80	0.21	-0.81	-0.57	0.0	3.25e-05	-8.35e-06
5336	88	0.18	-1.13	-0.51	0.0	2.19e-05	-1.05e-05
5336	98	0.18	-0.24	-0.47	0.0	3.11e-05	-3.90e-06
5336	105	0.17	-0.40	-0.45	0.0	2.68e-05	-5.05e-06
5336	107	0.17	-0.23	-0.45	0.0	2.93e-05	-3.77e-06
5336	113	7.34	-7.93	-0.52	0.0	6.57e-04	-4.46e-04
5336	129	-1.21	-10.44	-0.49	0.0	-1.11e-04	-3.62e-04
5336	145	8.25	-8.89	-0.53	0.0	7.35e-04	-5.01e-04
5336	161	-1.38	-11.73	-0.50	0.0	-1.29e-04	-4.08e-04
5336	177	8.05	-8.74	-0.53	0.0	7.10e-04	-4.92e-04
5336	193	-1.35	-11.72	-0.50	0.0	-1.28e-04	-4.11e-04
5336	209	9.32	-10.14	-0.54	0.0	8.16e-04	-5.72e-04
5336	225	-1.56	-13.73	-0.51	0.0	-1.51e-04	-4.88e-04
5337	4	0.36	0.37	-0.81	0.0	7.46e-05	1.51e-05
5337	28	0.32	-1.28	-0.83	0.0	5.18e-05	-1.96e-05
5337	44	0.27	-1.77	-0.74	0.0	3.82e-05	-2.61e-05
5337	68	0.25	0.23	-0.57	0.0	5.10e-05	9.60e-06
5337	80	0.23	-0.87	-0.58	0.0	3.58e-05	-1.36e-05
5337	88	0.19	-1.20	-0.52	0.0	2.67e-05	-1.79e-05
5337	98	0.19	-0.28	-0.48	0.0	3.18e-05	-5.54e-06
5337	105	0.18	-0.45	-0.46	0.0	2.82e-05	-7.81e-06

5337	107	0.18	-0.27	-0.46	0.0	2.99e-05	-5.37e-06
5337	108	7.68	-3.40	-0.51	0.0	5.95e-04	-4.61e-04
5337	113	7.68	-8.15	-0.53	0.0	5.90e-04	-4.64e-04
5337	129	-1.27	-10.81	-0.50	0.0	-9.68e-05	-3.82e-04
5337	140	8.62	-3.80	-0.51	0.0	6.66e-04	-5.19e-04
5337	145	8.62	-9.14	-0.54	0.0	6.61e-04	-5.22e-04
5337	161	-1.45	-12.14	-0.51	0.0	-1.13e-04	-4.30e-04
5337	172	8.41	-3.71	-0.51	0.0	6.44e-04	-5.08e-04
5337	177	8.41	-8.98	-0.54	0.0	6.39e-04	-5.11e-04
5337	193	-1.42	-12.12	-0.51	0.0	-1.12e-04	-4.32e-04
5337	204	9.73	-4.28	-0.52	0.0	7.40e-04	-5.90e-04
5337	209	9.73	-10.41	-0.55	0.0	7.33e-04	-5.94e-04
5337	225	-1.64	-14.20	-0.52	0.0	-1.33e-04	-5.13e-04
5338	4	0.40	0.34	-0.82	0.0	6.64e-05	1.76e-05
5338	28	0.35	-1.37	-0.84	0.0	5.86e-05	-2.56e-05
5338	44	0.29	-1.87	-0.75	0.0	4.81e-05	-3.37e-05
5338	68	0.28	0.20	-0.58	0.0	4.56e-05	1.10e-05
5338	80	0.25	-0.93	-0.59	0.0	4.04e-05	-1.77e-05
5338	88	0.21	-1.27	-0.53	0.0	3.34e-05	-2.32e-05
5338	98	0.21	-0.31	-0.49	0.0	3.29e-05	-7.65e-06
5338	105	0.20	-0.49	-0.47	0.0	3.04e-05	-1.05e-05
5338	107	0.20	-0.30	-0.46	0.0	3.10e-05	-7.42e-06
5338	108	7.97	-3.47	-0.51	0.0	5.01e-04	-4.75e-04
5338	113	7.96	-8.38	-0.54	0.0	4.97e-04	-4.79e-04
5338	129	-1.32	-11.17	-0.51	0.0	-7.68e-05	-3.97e-04
5338	140	8.94	-3.87	-0.52	0.0	5.60e-04	-5.34e-04
5338	145	8.94	-9.39	-0.55	0.0	5.55e-04	-5.38e-04
5338	161	-1.50	-12.55	-0.51	0.0	-9.03e-05	-4.48e-04
5338	172	8.72	-3.79	-0.52	0.0	5.43e-04	-5.22e-04
5338	177	8.72	-9.22	-0.55	0.0	5.38e-04	-5.27e-04
5338	193	-1.47	-12.53	-0.51	0.0	-8.92e-05	-4.49e-04
5338	204	10.09	-4.36	-0.53	0.0	6.23e-04	-6.06e-04
5338	209	10.08	-10.69	-0.56	0.0	6.17e-04	-6.11e-04
5338	225	-1.70	-14.66	-0.52	0.0	-1.07e-04	-5.32e-04
5339	4	0.43	0.31	-0.83	0.0	5.79e-05	1.38e-05
5339	28	0.38	-1.45	-0.85	0.0	6.62e-05	-2.89e-05
5339	44	0.32	-1.97	-0.76	0.0	5.89e-05	-3.67e-05
5339	68	0.30	0.18	-0.59	0.0	4.01e-05	8.33e-06
5339	80	0.27	-0.99	-0.60	0.0	4.55e-05	-2.02e-05
5339	88	0.23	-1.34	-0.54	0.0	4.07e-05	-2.54e-05
5339	98	0.23	-0.35	-0.49	0.0	3.43e-05	-9.91e-06
5339	105	0.21	-0.53	-0.47	0.0	3.28e-05	-1.26e-05
5339	107	0.22	-0.34	-0.47	0.0	3.23e-05	-9.63e-06
5339	108	8.20	-3.55	-0.52	0.0	3.99e-04	-4.85e-04
5339	113	8.19	-8.60	-0.54	0.0	3.95e-04	-4.88e-04
5339	129	-1.35	-11.53	-0.51	0.0	-5.50e-05	-4.07e-04
5339	140	9.20	-3.95	-0.53	0.0	4.45e-04	-5.44e-04
5339	145	9.20	-9.64	-0.55	0.0	4.41e-04	-5.49e-04
5339	161	-1.55	-12.95	-0.52	0.0	-6.60e-05	-4.58e-04
5339	172	8.98	-3.86	-0.53	0.0	4.32e-04	-5.33e-04
5339	177	8.97	-9.46	-0.55	0.0	4.28e-04	-5.37e-04
5339	193	-1.51	-12.92	-0.52	0.0	-6.49e-05	-4.59e-04
5339	204	10.38	-4.44	-0.54	0.0	4.95e-04	-6.17e-04
5339	209	10.37	-10.95	-0.57	0.0	4.90e-04	-6.22e-04
5339	225	-1.75	-15.12	-0.53	0.0	-7.93e-05	-5.44e-04
5340	4	0.32	0.40	-0.79	0.0	7.45e-05	2.31e-06
5340	44	0.26	-1.67	-0.69	0.0	4.13e-05	-1.45e-05
5340	68	0.22	0.25	-0.55	0.0	5.11e-05	1.17e-06
5340	88	0.19	-1.13	-0.49	0.0	2.90e-05	-1.00e-05
5340	98	0.18	-0.24	-0.46	0.0	3.31e-05	-5.01e-06
5340	105	0.17	-0.40	-0.44	0.0	2.96e-05	-5.77e-06
5340	107	0.17	-0.23	-0.44	0.0	3.11e-05	-4.81e-06
5340	108	7.43	-3.32	-0.50	0.0	6.54e-04	-4.42e-04
5340	113	7.43	-7.92	-0.48	0.0	6.51e-04	-4.44e-04
5340	129	-1.16	-10.44	-0.40	0.0	-9.79e-05	-3.64e-04
5340	140	8.34	-3.72	-0.51	0.0	7.32e-04	-4.97e-04
5340	145	8.34	-8.89	-0.49	0.0	7.29e-04	-4.99e-04
5340	161	-1.32	-11.73	-0.40	0.0	-1.14e-04	-4.11e-04
5340	172	8.16	-3.64	-0.51	0.0	7.09e-04	-4.87e-04
5340	177	8.17	-8.74	-0.49	0.0	7.07e-04	-4.89e-04
5340	193	-1.28	-11.72	-0.40	0.0	-1.12e-04	-4.12e-04
5340	204	9.46	-4.20	-0.52	0.0	8.15e-04	-5.66e-04
5340	209	9.47	-10.14	-0.50	0.0	8.12e-04	-5.68e-04
5340	225	-1.48	-13.72	-0.39	0.0	-1.34e-04	-4.90e-04
5341	4	0.36	0.37	-0.81	0.0	7.15e-05	5.75e-06

5341	44	0.29	-1.77	-0.71	0.0	4.67e-05	-2.41e-05
5341	68	0.25	0.23	-0.57	0.0	4.91e-05	3.26e-06
5341	88	0.20	-1.20	-0.50	0.0	3.26e-05	-1.66e-05
5341	98	0.20	-0.28	-0.47	0.0	3.41e-05	-7.52e-06
5341	105	0.18	-0.45	-0.45	0.0	3.11e-05	-9.00e-06
5341	107	0.19	-0.26	-0.45	0.0	3.21e-05	-7.23e-06
5341	108	7.76	-3.40	-0.52	0.0	5.89e-04	-4.60e-04
5341	113	7.76	-8.15	-0.50	0.0	5.86e-04	-4.63e-04
5341	129	-1.21	-10.81	-0.41	0.0	-8.55e-05	-3.84e-04
5341	140	8.71	-3.79	-0.52	0.0	6.59e-04	-5.17e-04
5341	145	8.71	-9.14	-0.50	0.0	6.56e-04	-5.20e-04
5341	161	-1.38	-12.14	-0.41	0.0	-1.00e-04	-4.32e-04
5341	172	8.52	-3.71	-0.52	0.0	6.39e-04	-5.06e-04
5341	177	8.52	-8.98	-0.50	0.0	6.36e-04	-5.09e-04
5341	193	-1.34	-12.12	-0.41	0.0	-9.87e-05	-4.34e-04
5341	204	9.87	-4.28	-0.53	0.0	7.34e-04	-5.87e-04
5341	209	9.88	-10.41	-0.51	0.0	7.31e-04	-5.91e-04
5341	225	-1.55	-14.19	-0.40	0.0	-1.18e-04	-5.14e-04
5342	4	0.39	0.34	-0.82	0.0	6.78e-05	5.75e-06
5342	44	0.31	-1.87	-0.72	0.0	5.30e-05	-3.08e-05
5342	68	0.27	0.20	-0.58	0.0	4.68e-05	3.04e-06
5342	88	0.22	-1.27	-0.51	0.0	3.69e-05	-2.13e-05
5342	98	0.21	-0.31	-0.48	0.0	3.52e-05	-1.00e-05
5342	105	0.20	-0.49	-0.45	0.0	3.28e-05	-1.18e-05
5342	107	0.20	-0.30	-0.45	0.0	3.32e-05	-9.65e-06
5342	108	8.04	-3.47	-0.52	0.0	4.99e-04	-4.74e-04
5342	113	8.04	-8.38	-0.50	0.0	4.95e-04	-4.77e-04
5342	129	-1.25	-11.17	-0.42	0.0	-6.94e-05	-3.99e-04
5342	140	9.03	-3.87	-0.53	0.0	5.57e-04	-5.32e-04
5342	145	9.03	-9.39	-0.51	0.0	5.53e-04	-5.36e-04
5342	161	-1.43	-12.55	-0.41	0.0	-8.23e-05	-4.49e-04
5342	172	8.83	-3.79	-0.53	0.0	5.41e-04	-5.20e-04
5342	177	8.83	-9.22	-0.51	0.0	5.37e-04	-5.24e-04
5342	193	-1.39	-12.53	-0.41	0.0	-8.09e-05	-4.50e-04
5342	204	10.23	-4.36	-0.54	0.0	6.21e-04	-6.02e-04
5342	209	10.23	-10.69	-0.52	0.0	6.16e-04	-6.07e-04
5342	225	-1.60	-14.66	-0.41	0.0	-9.77e-05	-5.33e-04
5343	4	0.43	0.31	-0.83	0.0	6.38e-05	2.06e-06
5343	44	0.34	-1.97	-0.73	0.0	5.95e-05	-3.36e-05
5343	68	0.30	0.18	-0.58	0.0	4.41e-05	0.0
5343	88	0.24	-1.34	-0.51	0.0	4.13e-05	-2.34e-05
5343	98	0.23	-0.35	-0.48	0.0	3.63e-05	-1.22e-05
5343	105	0.22	-0.53	-0.46	0.0	3.45e-05	-1.39e-05
5343	107	0.22	-0.34	-0.46	0.0	3.43e-05	-1.18e-05
5343	108	8.28	-3.54	-0.53	0.0	4.01e-04	-4.83e-04
5343	129	-1.28	-11.53	-0.42	0.0	-5.23e-05	-4.08e-04
5343	140	9.29	-3.95	-0.54	0.0	4.47e-04	-5.42e-04
5343	161	-1.46	-12.95	-0.42	0.0	-6.31e-05	-4.59e-04
5343	172	9.09	-3.86	-0.54	0.0	4.34e-04	-5.30e-04
5343	177	9.09	-9.46	-0.51	0.0	4.29e-04	-5.34e-04
5343	193	-1.42	-12.92	-0.42	0.0	-6.18e-05	-4.60e-04
5343	204	10.52	-4.44	-0.55	0.0	4.98e-04	-6.13e-04
5343	209	10.52	-10.95	-0.52	0.0	4.92e-04	-6.18e-04
5343	225	-1.65	-15.12	-0.41	0.0	-7.59e-05	-5.44e-04
5344	4	0.32	0.40	-0.84	0.0	7.23e-05	-2.58e-06
5344	44	0.27	-1.67	-0.72	0.0	5.17e-05	-1.36e-05
5344	68	0.22	0.25	-0.59	0.0	4.98e-05	-2.14e-06
5344	88	0.19	-1.13	-0.51	0.0	3.61e-05	-9.48e-06
5344	98	0.18	-0.24	-0.48	0.0	3.62e-05	-6.09e-06
5344	105	0.17	-0.40	-0.46	0.0	3.34e-05	-6.45e-06
5344	107	0.17	-0.23	-0.46	0.0	3.42e-05	-5.82e-06
5344	113	7.52	-7.92	-0.53	0.0	6.50e-04	-4.42e-04
5344	124	4.88	6.52	-0.59	0.0	4.32e-04	4.96e-05
5344	129	-1.10	-10.44	-0.38	0.0	-8.39e-05	-3.66e-04
5344	145	8.45	-8.89	-0.54	0.0	7.27e-04	-4.97e-04
5344	156	5.47	7.38	-0.60	0.0	4.81e-04	5.70e-05
5344	161	-1.25	-11.73	-0.37	0.0	-9.87e-05	-4.12e-04
5344	177	8.29	-8.73	-0.54	0.0	7.07e-04	-4.86e-04
5344	188	5.36	7.36	-0.60	0.0	4.68e-04	5.92e-05
5344	193	-1.21	-11.71	-0.37	0.0	-9.66e-05	-4.14e-04
5344	209	9.62	-10.13	-0.55	0.0	8.14e-04	-5.64e-04
5344	220	6.21	8.65	-0.62	0.0	5.36e-04	7.36e-05
5344	225	-1.39	-13.72	-0.35	0.0	-1.15e-04	-4.90e-04
5345	4	0.36	0.37	-0.86	0.0	7.16e-05	-3.18e-06
5345	44	0.30	-1.77	-0.74	0.0	5.44e-05	-2.20e-05

5345	68	0.25	0.23	-0.60	0.0	4.94e-05	-2.77e-06
5345	88	0.21	-1.20	-0.52	0.0	3.80e-05	-1.53e-05
5345	98	0.20	-0.28	-0.49	0.0	3.69e-05	-9.37e-06
5345	105	0.19	-0.45	-0.47	0.0	3.44e-05	-1.01e-05
5345	107	0.19	-0.26	-0.47	0.0	3.49e-05	-8.96e-06
5345	113	7.85	-8.15	-0.54	0.0	5.84e-04	-4.60e-04
5345	124	5.10	6.74	-0.60	0.0	3.95e-04	5.28e-05
5345	129	-1.14	-10.81	-0.39	0.0	-7.45e-05	-3.86e-04
5345	145	8.81	-9.14	-0.55	0.0	6.53e-04	-5.17e-04
5345	156	5.71	7.63	-0.61	0.0	4.40e-04	6.10e-05
5345	161	-1.30	-12.14	-0.38	0.0	-8.82e-05	-4.34e-04
5345	177	8.65	-8.98	-0.55	0.0	6.35e-04	-5.05e-04
5345	188	5.60	7.61	-0.61	0.0	4.28e-04	6.34e-05
5345	193	-1.26	-12.12	-0.38	0.0	-8.63e-05	-4.35e-04
5345	209	10.04	-10.41	-0.56	0.0	7.30e-04	-5.85e-04
5345	220	6.48	8.94	-0.63	0.0	4.90e-04	7.92e-05
5345	225	-1.45	-14.19	-0.36	0.0	-1.04e-04	-5.15e-04
5346	4	0.39	0.34	-0.87	0.0	7.03e-05	-5.23e-06
5346	44	0.33	-1.87	-0.75	0.0	5.75e-05	-2.79e-05
5346	68	0.27	0.20	-0.61	0.0	4.86e-05	-4.36e-06
5346	88	0.23	-1.27	-0.53	0.0	4.01e-05	-1.95e-05
5346	98	0.22	-0.31	-0.50	0.0	3.76e-05	-1.22e-05
5346	105	0.21	-0.49	-0.48	0.0	3.53e-05	-1.31e-05
5346	107	0.21	-0.30	-0.48	0.0	3.56e-05	-1.17e-05
5346	113	8.13	-8.38	-0.55	0.0	4.94e-04	-4.74e-04
5346	124	5.29	6.96	-0.61	0.0	3.46e-04	5.43e-05
5346	129	-1.18	-11.17	-0.39	0.0	-6.25e-05	-4.01e-04
5346	145	9.13	-9.39	-0.56	0.0	5.52e-04	-5.32e-04
5346	156	5.93	7.87	-0.62	0.0	3.84e-04	6.30e-05
5346	161	-1.35	-12.55	-0.38	0.0	-7.48e-05	-4.51e-04
5346	177	8.96	-9.22	-0.56	0.0	5.37e-04	-5.20e-04
5346	188	5.81	7.85	-0.62	0.0	3.74e-04	6.54e-05
5346	193	-1.30	-12.53	-0.38	0.0	-7.30e-05	-4.51e-04
5346	209	10.39	-10.69	-0.57	0.0	6.17e-04	-6.01e-04
5346	220	6.72	9.24	-0.64	0.0	4.28e-04	8.21e-05
5346	225	-1.50	-14.66	-0.37	0.0	-8.88e-05	-5.33e-04
5347	4	0.43	0.31	-0.88	0.0	6.83e-05	-8.64e-06
5347	44	0.36	-1.97	-0.76	0.0	6.04e-05	-3.04e-05
5347	68	0.30	0.18	-0.62	0.0	4.74e-05	-6.83e-06
5347	88	0.25	-1.34	-0.53	0.0	4.21e-05	-2.14e-05
5347	98	0.24	-0.35	-0.51	0.0	3.81e-05	-1.42e-05
5347	105	0.23	-0.53	-0.48	0.0	3.60e-05	-1.50e-05
5347	107	0.23	-0.34	-0.48	0.0	3.60e-05	-1.36e-05
5347	113	8.36	-8.60	-0.56	0.0	3.97e-04	-4.83e-04
5347	124	5.46	7.17	-0.61	0.0	2.92e-04	5.39e-05
5347	129	-1.21	-11.53	-0.40	0.0	-4.99e-05	-4.10e-04
5347	145	9.39	-9.64	-0.57	0.0	4.43e-04	-5.43e-04
5347	156	6.11	8.12	-0.63	0.0	3.24e-04	6.28e-05
5347	161	-1.38	-12.95	-0.39	0.0	-6.06e-05	-4.61e-04
5347	177	9.21	-9.46	-0.56	0.0	4.31e-04	-5.29e-04
5347	188	5.99	8.09	-0.62	0.0	3.16e-04	6.52e-05
5347	193	-1.34	-12.92	-0.39	0.0	-5.91e-05	-4.60e-04
5347	209	10.68	-10.95	-0.57	0.0	4.94e-04	-6.12e-04
5347	220	6.92	9.52	-0.65	0.0	3.60e-04	8.22e-05
5347	225	-1.54	-15.12	-0.37	0.0	-7.29e-05	-5.44e-04
5348	4	0.32	0.40	-0.93	0.0	7.45e-05	-7.77e-06
5348	44	0.28	-1.67	-0.78	0.0	6.03e-05	-1.32e-05
5348	68	0.22	0.25	-0.65	0.0	5.16e-05	-5.65e-06
5348	88	0.20	-1.13	-0.55	0.0	4.21e-05	-9.31e-06
5348	98	0.18	-0.24	-0.53	0.0	4.00e-05	-7.45e-06
5348	105	0.18	-0.40	-0.50	0.0	3.75e-05	-7.41e-06
5348	107	0.18	-0.23	-0.51	0.0	3.78e-05	-7.09e-06
5348	113	7.61	-7.92	-0.62	0.0	6.44e-04	-4.39e-04
5348	124	4.89	6.52	-0.70	0.0	4.21e-04	4.93e-05
5348	129	-1.04	-10.43	-0.38	0.0	-6.92e-05	-3.67e-04
5348	145	8.55	-8.89	-0.63	0.0	7.20e-04	-4.94e-04
5348	156	5.49	7.37	-0.73	0.0	4.68e-04	5.69e-05
5348	161	-1.19	-11.73	-0.36	0.0	-8.25e-05	-4.13e-04
5348	177	8.42	-8.73	-0.62	0.0	7.02e-04	-4.82e-04
5348	188	5.39	7.36	-0.72	0.0	4.56e-04	5.90e-05
5348	193	-1.14	-11.71	-0.36	0.0	-8.01e-05	-4.14e-04
5348	209	9.79	-10.13	-0.64	0.0	8.08e-04	-5.59e-04
5348	220	6.25	8.64	-0.76	0.0	5.23e-04	7.35e-05
5348	225	-1.31	-13.72	-0.33	0.0	-9.67e-05	-4.90e-04
5349	4	0.36	0.37	-0.95	0.0	7.45e-05	-1.18e-05

5349	44	0.31	-1.77	-0.79	0.0	6.11e-05	-2.10e-05
5349	68	0.25	0.23	-0.66	0.0	5.16e-05	-8.61e-06
5349	88	0.22	-1.20	-0.56	0.0	4.27e-05	-1.48e-05
5349	98	0.21	-0.28	-0.54	0.0	4.03e-05	-1.15e-05
5349	105	0.20	-0.45	-0.51	0.0	3.79e-05	-1.16e-05
5349	107	0.20	-0.26	-0.51	0.0	3.81e-05	-1.10e-05
5349	113	7.94	-8.15	-0.63	0.0	5.80e-04	-4.56e-04
5349	124	5.11	6.74	-0.71	0.0	3.88e-04	5.22e-05
5349	129	-1.07	-10.80	-0.38	0.0	-6.32e-05	-3.87e-04
5349	145	8.92	-9.14	-0.64	0.0	6.48e-04	-5.12e-04
5349	156	5.72	7.63	-0.74	0.0	4.31e-04	6.06e-05
5349	161	-1.23	-12.14	-0.37	0.0	-7.59e-05	-4.35e-04
5349	177	8.77	-8.98	-0.63	0.0	6.32e-04	-5.00e-04
5349	188	5.62	7.61	-0.73	0.0	4.20e-04	6.27e-05
5349	193	-1.18	-12.12	-0.37	0.0	-7.36e-05	-4.35e-04
5349	209	10.20	-10.41	-0.65	0.0	7.27e-04	-5.78e-04
5349	220	6.52	8.94	-0.77	0.0	4.81e-04	7.87e-05
5349	225	-1.36	-14.19	-0.34	0.0	-8.94e-05	-5.14e-04
5350	4	0.40	0.34	-0.95	0.0	7.36e-05	-1.51e-05
5350	44	0.34	-1.87	-0.80	0.0	6.16e-05	-2.61e-05
5350	68	0.28	0.20	-0.67	0.0	5.10e-05	-1.10e-05
5350	88	0.24	-1.27	-0.57	0.0	4.30e-05	-1.83e-05
5350	98	0.23	-0.31	-0.54	0.0	4.02e-05	-1.44e-05
5350	105	0.22	-0.49	-0.51	0.0	3.78e-05	-1.45e-05
5350	107	0.22	-0.30	-0.52	0.0	3.80e-05	-1.37e-05
5350	113	8.22	-8.38	-0.63	0.0	4.93e-04	-4.69e-04
5350	124	5.30	6.96	-0.72	0.0	3.43e-04	5.37e-05
5350	129	-1.10	-11.17	-0.39	0.0	-5.58e-05	-4.01e-04
5350	145	9.23	-9.39	-0.65	0.0	5.50e-04	-5.27e-04
5350	156	5.94	7.87	-0.74	0.0	3.81e-04	6.26e-05
5350	161	-1.27	-12.55	-0.37	0.0	-6.75e-05	-4.51e-04
5350	177	9.08	-9.22	-0.64	0.0	5.37e-04	-5.13e-04
5350	188	5.83	7.85	-0.73	0.0	3.72e-04	6.47e-05
5350	193	-1.22	-12.53	-0.37	0.0	-6.56e-05	-4.50e-04
5350	209	10.55	-10.69	-0.66	0.0	6.17e-04	-5.92e-04
5350	220	6.75	9.24	-0.77	0.0	4.25e-04	8.16e-05
5350	225	-1.40	-14.66	-0.35	0.0	-8.03e-05	-5.32e-04
5351	4	0.44	0.31	-0.96	0.0	7.16e-05	-1.76e-05
5351	44	0.37	-1.97	-0.81	0.0	6.14e-05	-2.80e-05
5351	68	0.31	0.18	-0.67	0.0	4.97e-05	-1.28e-05
5351	88	0.26	-1.34	-0.57	0.0	4.29e-05	-1.98e-05
5351	98	0.25	-0.35	-0.55	0.0	3.95e-05	-1.60e-05
5351	105	0.24	-0.53	-0.52	0.0	3.73e-05	-1.60e-05
5351	107	0.24	-0.34	-0.52	0.0	3.74e-05	-1.53e-05
5351	113	8.45	-8.60	-0.64	0.0	4.00e-04	-4.79e-04
5351	124	5.46	7.17	-0.72	0.0	2.94e-04	5.37e-05
5351	129	-1.13	-11.53	-0.39	0.0	-4.81e-05	-4.10e-04
5351	145	9.49	-9.64	-0.65	0.0	4.45e-04	-5.37e-04
5351	156	6.12	8.12	-0.74	0.0	3.26e-04	6.28e-05
5351	161	-1.30	-12.95	-0.38	0.0	-5.87e-05	-4.61e-04
5351	177	9.33	-9.46	-0.64	0.0	4.34e-04	-5.23e-04
5351	188	6.01	8.09	-0.74	0.0	3.19e-04	6.50e-05
5351	193	-1.25	-12.92	-0.38	0.0	-5.70e-05	-4.60e-04
5351	209	10.84	-10.95	-0.66	0.0	4.98e-04	-6.03e-04
5351	220	6.96	9.53	-0.77	0.0	3.63e-04	8.21e-05
5351	225	-1.44	-15.12	-0.35	0.0	-7.05e-05	-5.42e-04
5352	4	0.49	0.27	-1.12	0.0	3.57e-06	2.72e-05
5352	28	0.38	-1.54	-1.24	0.0	7.29e-05	-1.27e-05
5352	44	0.30	-2.07	-1.14	0.0	8.05e-05	-2.21e-05
5352	68	0.34	0.15	-0.80	0.0	3.10e-06	1.77e-05
5352	80	0.26	-1.05	-0.87	0.0	4.93e-05	-8.96e-06
5352	88	0.21	-1.41	-0.81	0.0	5.44e-05	-1.52e-05
5352	98	0.23	-0.39	-0.70	0.0	2.57e-05	-1.27e-06
5352	103	0.24	-0.17	-0.66	0.0	1.36e-05	4.60e-06
5352	105	0.21	-0.57	-0.68	0.0	2.90e-05	-4.29e-06
5352	107	0.22	-0.37	-0.67	0.0	2.39e-05	-1.47e-06
5352	108	8.20	-3.61	-0.81	0.0	2.96e-04	-4.83e-04
5352	129	-1.58	-11.87	-1.15	0.0	-3.41e-05	-4.04e-04
5352	140	9.21	-4.02	-0.82	0.0	3.30e-04	-5.44e-04
5352	161	-1.81	-13.32	-1.21	0.0	-4.13e-05	-4.56e-04
5352	172	8.89	-3.93	-0.83	0.0	3.21e-04	-5.33e-04
5352	193	-1.79	-13.29	-1.21	0.0	-4.06e-05	-4.57e-04
5352	204	10.23	-4.51	-0.85	0.0	3.67e-04	-6.19e-04
5352	225	-2.09	-15.54	-1.30	0.0	-5.00e-05	-5.43e-04
5353	4	0.48	0.24	-1.14	0.0	-1.80e-05	5.32e-06

5353	28	0.42	-1.62	-1.25	0.0	8.20e-05	-1.74e-05
5353	44	0.34	-2.16	-1.15	0.0	9.66e-05	-2.18e-05
5353	68	0.33	0.13	-0.81	0.0	-1.13e-05	2.61e-06
5353	80	0.29	-1.11	-0.88	0.0	5.54e-05	-1.26e-05
5353	88	0.24	-1.47	-0.82	0.0	6.51e-05	-1.55e-05
5353	98	0.24	-0.42	-0.71	0.0	2.51e-05	-7.67e-06
5353	105	0.23	-0.61	-0.69	0.0	3.08e-05	-9.16e-06
5353	107	0.23	-0.41	-0.68	0.0	2.34e-05	-7.63e-06
5353	108	8.32	-3.68	-0.82	0.0	2.25e-04	-4.89e-04
5353	129	-1.59	-12.19	-1.16	0.0	-1.28e-05	-4.07e-04
5353	140	9.34	-4.10	-0.83	0.0	2.50e-04	-5.50e-04
5353	161	-1.82	-13.69	-1.22	0.0	-1.73e-05	-4.58e-04
5353	172	9.02	-3.99	-0.83	0.0	2.45e-04	-5.38e-04
5353	193	-1.80	-13.65	-1.22	0.0	-1.65e-05	-4.59e-04
5353	204	10.38	-4.58	-0.86	0.0	2.81e-04	-6.25e-04
5353	225	-2.11	-15.96	-1.32	0.0	-2.18e-05	-5.45e-04
5354	4	0.47	0.19	-1.16	2.79e-04	-2.20e-05	-2.46e-05
5354	28	0.46	-1.71	-1.27	3.61e-04	4.88e-05	-2.40e-05
5354	44	0.40	-2.26	-1.18	3.55e-04	5.98e-05	-2.16e-05
5354	68	0.32	0.09	-0.82	2.01e-04	-1.48e-05	-1.80e-05
5354	80	0.32	-1.18	-0.90	2.56e-04	3.24e-05	-1.76e-05
5354	88	0.28	-1.54	-0.83	2.52e-04	3.98e-05	-1.59e-05
5354	98	0.26	-0.46	-0.72	1.99e-04	1.14e-05	-1.64e-05
5354	105	0.24	-0.66	-0.70	2.01e-04	1.56e-05	-1.58e-05
5354	107	0.24	-0.45	-0.69	1.92e-04	1.04e-05	-1.60e-05
5354	108	8.41	-3.75	-0.83	2.87e-04	1.62e-04	-4.94e-04
5354	129	-1.59	-12.52	-1.18	6.44e-04	-1.66e-05	-4.08e-04
5354	140	9.44	-4.17	-0.85	2.99e-04	1.81e-04	-5.55e-04
5354	161	-1.82	-14.04	-1.24	7.01e-04	-1.99e-05	-4.58e-04
5354	172	9.12	-4.06	-0.85	2.98e-04	1.77e-04	-5.44e-04
5354	193	-1.80	-14.01	-1.24	7.00e-04	-1.90e-05	-4.60e-04
5354	204	10.49	-4.65	-0.88	3.17e-04	2.05e-04	-6.31e-04
5354	225	-2.11	-16.37	-1.33	7.88e-04	-2.28e-05	-5.44e-04
5355	4	0.47	0.27	-0.98	0.0	2.18e-05	2.29e-05
5355	28	0.39	-1.54	-1.06	0.0	7.40e-05	-2.34e-05
5355	44	0.31	-2.07	-0.96	0.0	7.70e-05	-3.31e-05
5355	68	0.33	0.15	-0.70	0.0	1.56e-05	1.45e-05
5355	80	0.27	-1.05	-0.74	0.0	5.04e-05	-1.64e-05
5355	88	0.22	-1.41	-0.68	0.0	5.24e-05	-2.28e-05
5355	98	0.23	-0.39	-0.60	0.0	2.99e-05	-6.30e-06
5355	103	0.23	-0.17	-0.57	0.0	2.02e-05	0.0
5355	105	0.22	-0.57	-0.58	0.0	3.18e-05	-9.54e-06
5355	107	0.22	-0.37	-0.58	0.0	2.80e-05	-6.27e-06
5355	108	8.25	-3.61	-0.66	0.0	3.01e-04	-4.88e-04
5355	129	-1.51	-11.87	-0.85	0.0	-3.41e-05	-4.07e-04
5355	133	5.56	-9.94	-0.85	0.0	2.27e-04	4.79e-05
5355	140	9.25	-4.02	-0.68	0.0	3.35e-04	-5.49e-04
5355	161	-1.73	-13.32	-0.89	0.0	-4.19e-05	-4.59e-04
5355	165	6.22	-11.13	-0.89	0.0	2.52e-04	5.52e-05
5355	172	8.97	-3.93	-0.68	0.0	3.26e-04	-5.37e-04
5355	193	-1.71	-13.29	-0.89	0.0	-4.11e-05	-4.61e-04
5355	204	10.34	-4.51	-0.70	0.0	3.73e-04	-6.24e-04
5355	225	-1.99	-15.54	-0.94	0.0	-5.12e-05	-5.46e-04
5356	4	0.48	0.24	-1.00	0.0	7.28e-06	2.87e-06
5356	28	0.43	-1.62	-1.07	0.0	8.24e-05	-2.36e-05
5356	44	0.36	-2.16	-0.98	0.0	9.04e-05	-2.81e-05
5356	68	0.33	0.13	-0.70	0.0	5.91e-06	0.0
5356	80	0.30	-1.11	-0.75	0.0	5.60e-05	-1.68e-05
5356	88	0.25	-1.47	-0.69	0.0	6.13e-05	-1.98e-05
5356	98	0.25	-0.42	-0.61	0.0	3.03e-05	-1.05e-05
5356	105	0.23	-0.61	-0.59	0.0	3.39e-05	-1.21e-05
5356	107	0.24	-0.41	-0.58	0.0	2.84e-05	-1.03e-05
5356	108	8.37	-3.68	-0.67	0.0	2.33e-04	-4.91e-04
5356	129	-1.52	-12.19	-0.86	0.0	-1.53e-05	-4.08e-04
5356	133	5.65	-10.20	-0.86	0.0	1.90e-04	4.62e-05
5356	140	9.39	-4.10	-0.68	0.0	2.59e-04	-5.52e-04
5356	161	-1.74	-13.68	-0.90	0.0	-2.08e-05	-4.59e-04
5356	165	6.33	-11.42	-0.90	0.0	2.10e-04	5.39e-05
5356	172	9.10	-3.99	-0.69	0.0	2.53e-04	-5.41e-04
5356	193	-1.72	-13.65	-0.90	0.0	-1.99e-05	-4.61e-04
5356	204	10.49	-4.58	-0.70	0.0	2.90e-04	-6.28e-04
5356	225	-2.01	-15.96	-0.95	0.0	-2.66e-05	-5.46e-04
5357	4	0.48	0.20	-1.02	2.23e-04	-2.20e-05	-2.33e-05
5357	28	0.47	-1.71	-1.09	2.93e-04	4.88e-05	-2.29e-05
5357	44	0.41	-2.26	-1.00	2.90e-04	5.98e-05	-2.05e-05

5357	68	0.33	0.10	-0.72	1.61e-04	-1.48e-05	-1.70e-05
5357	80	0.33	-1.17	-0.77	2.07e-04	3.24e-05	-1.67e-05
5357	88	0.29	-1.54	-0.71	2.05e-04	3.98e-05	-1.51e-05
5357	98	0.26	-0.46	-0.62	1.61e-04	1.14e-05	-1.55e-05
5357	105	0.25	-0.65	-0.60	1.63e-04	1.56e-05	-1.49e-05
5357	107	0.25	-0.44	-0.60	1.55e-04	1.04e-05	-1.51e-05
5357	108	8.47	-3.75	-0.69	2.30e-04	1.62e-04	-4.93e-04
5357	129	-1.53	-12.51	-0.88	5.16e-04	-1.66e-05	-4.07e-04
5357	133	5.74	-10.46	-0.88	4.85e-04	1.31e-04	4.38e-05
5357	140	9.50	-4.17	-0.70	2.40e-04	1.81e-04	-5.54e-04
5357	161	-1.75	-14.04	-0.91	5.61e-04	-1.99e-05	-4.57e-04
5357	165	6.42	-11.70	-0.91	5.26e-04	1.46e-04	5.18e-05
5357	172	9.21	-4.06	-0.70	2.39e-04	1.77e-04	-5.43e-04
5357	193	-1.72	-14.00	-0.91	5.60e-04	-1.90e-05	-4.59e-04
5357	204	10.61	-4.65	-0.72	2.54e-04	2.05e-04	-6.29e-04
5357	225	-2.01	-16.36	-0.97	6.30e-04	-2.28e-05	-5.43e-04
5358	4	0.46	0.27	-0.89	0.0	3.81e-05	1.46e-05
5358	28	0.40	-1.54	-0.93	0.0	7.36e-05	-2.79e-05
5358	44	0.33	-2.07	-0.84	0.0	7.25e-05	-3.60e-05
5358	68	0.32	0.15	-0.63	0.0	2.67e-05	8.78e-06
5358	80	0.28	-1.05	-0.66	0.0	5.04e-05	-1.96e-05
5358	88	0.24	-1.41	-0.60	0.0	4.96e-05	-2.50e-05
5358	98	0.24	-0.39	-0.54	0.0	3.31e-05	-9.64e-06
5358	105	0.22	-0.57	-0.52	0.0	3.37e-05	-1.24e-05
5358	107	0.23	-0.37	-0.51	0.0	3.11e-05	-9.44e-06
5358	108	8.30	-3.61	-0.57	0.0	3.06e-04	-4.90e-04
5358	129	-1.44	-11.87	-0.65	0.0	-3.51e-05	-4.09e-04
5358	133	5.55	-9.94	-0.66	0.0	2.26e-04	4.45e-05
5358	140	9.32	-4.02	-0.58	0.0	3.41e-04	-5.50e-04
5358	161	-1.65	-13.32	-0.67	0.0	-4.34e-05	-4.61e-04
5358	165	6.22	-11.13	-0.68	0.0	2.51e-04	5.18e-05
5358	172	9.06	-3.93	-0.58	0.0	3.32e-04	-5.39e-04
5358	193	-1.62	-13.29	-0.67	0.0	-4.25e-05	-4.62e-04
5358	197	6.05	-10.87	-0.68	0.0	2.45e-04	5.41e-05
5358	204	10.46	-4.51	-0.59	0.0	3.79e-04	-6.25e-04
5358	225	-1.89	-15.54	-0.70	0.0	-5.32e-05	-5.48e-04
5358	233	6.25	-12.80	-0.71	0.0	2.64e-04	4.66e-05
5359	4	0.48	0.24	-0.90	0.0	2.94e-05	-1.98e-06
5359	28	0.44	-1.62	-0.95	0.0	8.05e-05	-2.63e-05
5359	44	0.38	-2.16	-0.85	0.0	8.26e-05	-2.99e-05
5359	68	0.33	0.13	-0.64	0.0	2.10e-05	-2.52e-06
5359	80	0.31	-1.11	-0.67	0.0	5.50e-05	-1.87e-05
5359	88	0.26	-1.47	-0.60	0.0	5.64e-05	-2.12e-05
5359	98	0.26	-0.42	-0.54	0.0	3.41e-05	-1.25e-05
5359	105	0.24	-0.61	-0.52	0.0	3.59e-05	-1.38e-05
5359	107	0.24	-0.40	-0.52	0.0	3.21e-05	-1.22e-05
5359	108	8.43	-3.68	-0.58	0.0	2.41e-04	-4.92e-04
5359	129	-1.45	-12.19	-0.66	0.0	-1.88e-05	-4.09e-04
5359	133	5.65	-10.20	-0.67	0.0	1.89e-04	4.43e-05
5359	140	9.46	-4.09	-0.59	0.0	2.67e-04	-5.53e-04
5359	161	-1.67	-13.68	-0.68	0.0	-2.52e-05	-4.60e-04
5359	165	6.33	-11.42	-0.69	0.0	2.09e-04	5.20e-05
5359	172	9.20	-3.99	-0.59	0.0	2.61e-04	-5.42e-04
5359	193	-1.64	-13.65	-0.68	0.0	-2.42e-05	-4.62e-04
5359	197	6.16	-11.15	-0.69	0.0	2.05e-04	5.45e-05
5359	204	10.62	-4.58	-0.60	0.0	2.98e-04	-6.28e-04
5359	225	-1.91	-15.96	-0.71	0.0	-3.21e-05	-5.47e-04
5359	233	6.37	-13.12	-0.72	0.0	2.28e-04	4.65e-05
5360	4	0.49	0.20	-0.93	1.70e-04	-2.20e-05	-2.37e-05
5360	28	0.48	-1.71	-0.97	2.29e-04	4.88e-05	-2.32e-05
5360	44	0.42	-2.26	-0.88	2.29e-04	5.98e-05	-2.09e-05
5360	68	0.34	0.10	-0.65	1.23e-04	-1.48e-05	-1.73e-05
5360	80	0.34	-1.17	-0.68	1.62e-04	3.24e-05	-1.70e-05
5360	88	0.29	-1.54	-0.62	1.62e-04	3.98e-05	-1.54e-05
5360	98	0.27	-0.46	-0.55	1.25e-04	1.14e-05	-1.58e-05
5360	105	0.26	-0.65	-0.54	1.27e-04	1.56e-05	-1.52e-05
5360	107	0.26	-0.44	-0.53	1.20e-04	1.04e-05	-1.54e-05
5360	108	8.53	-3.75	-0.59	1.77e-04	1.62e-04	-4.94e-04
5360	129	-1.46	-12.51	-0.67	4.08e-04	-1.66e-05	-4.07e-04
5360	133	5.74	-10.46	-0.69	3.79e-04	1.31e-04	4.36e-05
5360	140	9.57	-4.17	-0.60	1.84e-04	1.81e-04	-5.54e-04
5360	161	-1.67	-14.03	-0.69	4.44e-04	-1.99e-05	-4.58e-04
5360	165	6.42	-11.70	-0.70	4.11e-04	1.46e-04	5.16e-05
5360	172	9.31	-4.06	-0.60	1.84e-04	1.77e-04	-5.43e-04
5360	193	-1.64	-14.00	-0.69	4.43e-04	-1.90e-05	-4.59e-04

5360	197	6.25	-11.42	-0.70	4.05e-04	1.43e-04	5.44e-05
5360	204	10.74	-4.65	-0.61	1.95e-04	2.05e-04	-6.30e-04
5360	225	-1.92	-16.36	-0.72	4.99e-04	-2.28e-05	-5.43e-04
5360	233	6.47	-13.44	-0.73	4.56e-04	1.63e-04	4.60e-05
5361	4	0.46	0.27	-0.84	0.0	5.10e-05	5.07e-06
5361	28	0.42	-1.54	-0.86	0.0	7.27e-05	-2.92e-05
5361	44	0.35	-2.07	-0.77	0.0	6.82e-05	-3.48e-05
5361	68	0.32	0.15	-0.59	0.0	3.55e-05	2.30e-06
5361	80	0.29	-1.05	-0.61	0.0	5.00e-05	-2.05e-05
5361	88	0.25	-1.41	-0.54	0.0	4.70e-05	-2.43e-05
5361	98	0.24	-0.38	-0.50	0.0	3.55e-05	-1.19e-05
5361	105	0.23	-0.57	-0.48	0.0	3.50e-05	-1.40e-05
5361	107	0.23	-0.37	-0.48	0.0	3.35e-05	-1.16e-05
5361	108	8.37	-3.61	-0.53	0.0	3.12e-04	-4.90e-04
5361	113	8.37	-8.81	-0.55	0.0	3.09e-04	-4.93e-04
5361	129	-1.37	-11.87	-0.52	0.0	-3.64e-05	-4.11e-04
5361	140	9.40	-4.02	-0.53	0.0	3.47e-04	-5.50e-04
5361	145	9.39	-9.87	-0.56	0.0	3.43e-04	-5.53e-04
5361	161	-1.57	-13.32	-0.53	0.0	-4.52e-05	-4.62e-04
5361	172	9.16	-3.93	-0.53	0.0	3.37e-04	-5.38e-04
5361	177	9.15	-9.68	-0.56	0.0	3.34e-04	-5.41e-04
5361	193	-1.54	-13.29	-0.53	0.0	-4.41e-05	-4.63e-04
5361	204	10.59	-4.51	-0.54	0.0	3.86e-04	-6.23e-04
5361	209	10.58	-11.20	-0.57	0.0	3.82e-04	-6.27e-04
5361	225	-1.78	-15.55	-0.54	0.0	-5.54e-05	-5.48e-04
5362	4	0.48	0.24	-0.85	0.0	4.62e-05	-7.39e-06
5362	28	0.46	-1.62	-0.87	0.0	7.74e-05	-2.70e-05
5362	44	0.39	-2.16	-0.78	0.0	7.47e-05	-2.93e-05
5362	68	0.34	0.13	-0.60	0.0	3.24e-05	-6.19e-06
5362	80	0.32	-1.11	-0.61	0.0	5.32e-05	-1.93e-05
5362	88	0.27	-1.47	-0.55	0.0	5.14e-05	-2.08e-05
5362	98	0.26	-0.42	-0.50	0.0	3.64e-05	-1.38e-05
5362	105	0.25	-0.61	-0.48	0.0	3.66e-05	-1.47e-05
5362	107	0.25	-0.40	-0.48	0.0	3.43e-05	-1.34e-05
5362	108	8.50	-3.68	-0.53	0.0	2.50e-04	-4.92e-04
5362	113	8.50	-9.01	-0.56	0.0	2.47e-04	-4.93e-04
5362	129	-1.38	-12.19	-0.53	0.0	-2.34e-05	-4.10e-04
5362	140	9.54	-4.09	-0.54	0.0	2.77e-04	-5.52e-04
5362	145	9.53	-10.09	-0.57	0.0	2.74e-04	-5.54e-04
5362	161	-1.59	-13.68	-0.53	0.0	-3.06e-05	-4.62e-04
5362	172	9.30	-3.99	-0.54	0.0	2.71e-04	-5.40e-04
5362	177	9.30	-9.90	-0.57	0.0	2.68e-04	-5.42e-04
5362	193	-1.55	-13.65	-0.53	0.0	-2.95e-05	-4.63e-04
5362	204	10.75	-4.58	-0.55	0.0	3.09e-04	-6.26e-04
5362	209	10.75	-11.45	-0.58	0.0	3.05e-04	-6.28e-04
5362	225	-1.80	-15.96	-0.54	0.0	-3.86e-05	-5.47e-04
5363	4	0.50	0.20	-0.87	1.32e-04	-2.20e-05	-2.33e-05
5363	28	0.50	-1.70	-0.89	1.84e-04	4.88e-05	-2.33e-05
5363	44	0.43	-2.25	-0.80	1.87e-04	5.98e-05	-2.11e-05
5363	68	0.35	0.10	-0.62	9.57e-05	-1.48e-05	-1.70e-05
5363	80	0.35	-1.17	-0.63	1.31e-04	3.24e-05	-1.70e-05
5363	88	0.30	-1.54	-0.57	1.32e-04	3.98e-05	-1.55e-05
5363	98	0.28	-0.46	-0.51	9.93e-05	1.14e-05	-1.56e-05
5363	105	0.27	-0.65	-0.49	1.02e-04	1.56e-05	-1.51e-05
5363	107	0.27	-0.44	-0.49	9.60e-05	1.04e-05	-1.52e-05
5363	108	8.61	-3.74	-0.54	1.40e-04	1.62e-04	-4.93e-04
5363	113	8.60	-9.20	-0.57	2.58e-04	1.67e-04	-4.92e-04
5363	129	-1.39	-12.50	-0.54	3.39e-04	-1.66e-05	-4.08e-04
5363	140	9.66	-4.16	-0.55	1.46e-04	1.81e-04	-5.53e-04
5363	145	9.65	-10.30	-0.58	2.78e-04	1.86e-04	-5.52e-04
5363	161	-1.60	-14.03	-0.54	3.69e-04	-1.99e-05	-4.59e-04
5363	172	9.42	-4.06	-0.55	1.45e-04	1.77e-04	-5.42e-04
5363	177	9.41	-10.10	-0.58	2.75e-04	1.83e-04	-5.41e-04
5363	193	-1.56	-14.00	-0.54	3.68e-04	-1.90e-05	-4.60e-04
5363	204	10.89	-4.65	-0.56	1.53e-04	2.05e-04	-6.27e-04
5363	209	10.88	-11.68	-0.59	3.04e-04	2.12e-04	-6.26e-04
5363	225	-1.82	-16.35	-0.55	4.15e-04	-2.28e-05	-5.44e-04
5364	4	0.46	0.27	-0.83	0.0	6.03e-05	-4.34e-06
5364	44	0.37	-2.07	-0.73	0.0	6.49e-05	-3.22e-05
5364	68	0.32	0.15	-0.59	0.0	4.19e-05	-4.05e-06
5364	88	0.26	-1.41	-0.52	0.0	4.50e-05	-2.26e-05
5364	98	0.25	-0.38	-0.48	0.0	3.72e-05	-1.37e-05
5364	105	0.24	-0.57	-0.46	0.0	3.60e-05	-1.50e-05
5364	107	0.24	-0.37	-0.46	0.0	3.52e-05	-1.33e-05
5364	108	8.45	-3.61	-0.53	0.0	3.16e-04	-4.88e-04

5364	129	-1.30	-11.87	-0.42	0.0	-3.76e-05	-4.12e-04
5364	140	9.48	-4.02	-0.54	0.0	3.51e-04	-5.48e-04
5364	161	-1.49	-13.32	-0.42	0.0	-4.67e-05	-4.63e-04
5364	172	9.27	-3.93	-0.54	0.0	3.42e-04	-5.35e-04
5364	193	-1.45	-13.29	-0.42	0.0	-4.54e-05	-4.64e-04
5364	204	10.74	-4.51	-0.55	0.0	3.91e-04	-6.20e-04
5364	225	-1.68	-15.55	-0.41	0.0	-5.71e-05	-5.48e-04
5365	4	0.49	0.24	-0.84	0.0	5.81e-05	-1.25e-05
5365	44	0.41	-2.16	-0.74	0.0	6.88e-05	-2.76e-05
5365	68	0.34	0.13	-0.59	0.0	4.05e-05	-9.65e-06
5365	88	0.29	-1.47	-0.52	0.0	4.76e-05	-1.97e-05
5365	98	0.27	-0.42	-0.49	0.0	3.80e-05	-1.46e-05
5365	105	0.26	-0.61	-0.46	0.0	3.71e-05	-1.51e-05
5365	107	0.26	-0.40	-0.46	0.0	3.59e-05	-1.42e-05
5365	108	8.58	-3.68	-0.54	0.0	2.55e-04	-4.90e-04
5365	129	-1.31	-12.19	-0.42	0.0	-2.71e-05	-4.12e-04
5365	140	9.63	-4.09	-0.55	0.0	2.83e-04	-5.50e-04
5365	161	-1.51	-13.68	-0.42	0.0	-3.49e-05	-4.63e-04
5365	172	9.42	-3.99	-0.54	0.0	2.76e-04	-5.38e-04
5365	193	-1.47	-13.65	-0.42	0.0	-3.36e-05	-4.63e-04
5365	204	10.90	-4.58	-0.55	0.0	3.15e-04	-6.22e-04
5365	225	-1.70	-15.96	-0.41	0.0	-4.36e-05	-5.48e-04
5366	4	0.52	0.21	-0.85	1.20e-04	-2.20e-05	-2.34e-05
5366	44	0.44	-2.25	-0.75	1.74e-04	5.98e-05	-2.17e-05
5366	68	0.36	0.11	-0.60	8.76e-05	-1.48e-05	-1.71e-05
5366	88	0.31	-1.53	-0.53	1.23e-04	3.98e-05	-1.59e-05
5366	98	0.29	-0.45	-0.49	9.14e-05	1.14e-05	-1.59e-05
5366	105	0.27	-0.65	-0.47	9.40e-05	1.56e-05	-1.54e-05
5366	107	0.27	-0.44	-0.47	8.85e-05	1.04e-05	-1.55e-05
5366	108	8.69	-3.74	-0.54	1.28e-04	1.62e-04	-4.92e-04
5366	129	-1.32	-12.50	-0.43	3.17e-04	-1.66e-05	-4.10e-04
5366	140	9.75	-4.16	-0.55	1.33e-04	1.81e-04	-5.52e-04
5366	161	-1.52	-14.03	-0.42	3.45e-04	-1.99e-05	-4.61e-04
5366	172	9.54	-4.05	-0.55	1.32e-04	1.77e-04	-5.40e-04
5366	188	6.32	8.74	-0.55	-9.86e-05	1.25e-04	5.48e-05
5366	193	-1.48	-13.99	-0.42	3.44e-04	-1.90e-05	-4.61e-04
5366	204	11.04	-4.64	-0.56	1.40e-04	2.05e-04	-6.26e-04
5366	220	7.30	10.29	-0.56	-1.30e-04	1.43e-04	7.03e-05
5366	225	-1.72	-16.35	-0.41	3.88e-04	-2.28e-05	-5.45e-04
5367	4	0.46	0.27	-0.89	0.0	6.61e-05	-1.28e-05
5367	44	0.39	-2.07	-0.76	0.0	6.23e-05	-2.96e-05
5367	68	0.32	0.15	-0.62	0.0	4.59e-05	-9.75e-06
5367	88	0.27	-1.41	-0.54	0.0	4.34e-05	-2.09e-05
5367	98	0.26	-0.38	-0.51	0.0	3.81e-05	-1.52e-05
5367	105	0.25	-0.57	-0.48	0.0	3.64e-05	-1.57e-05
5367	107	0.25	-0.37	-0.49	0.0	3.61e-05	-1.47e-05
5367	113	8.53	-8.81	-0.56	0.0	3.13e-04	-4.88e-04
5367	124	5.59	7.37	-0.62	0.0	2.45e-04	5.21e-05
5367	129	-1.23	-11.87	-0.40	0.0	-3.92e-05	-4.13e-04
5367	145	9.58	-9.87	-0.57	0.0	3.47e-04	-5.48e-04
5367	156	6.26	8.34	-0.63	0.0	2.71e-04	6.10e-05
5367	161	-1.41	-13.32	-0.39	0.0	-4.85e-05	-4.64e-04
5367	177	9.39	-9.68	-0.57	0.0	3.39e-04	-5.34e-04
5367	188	6.13	8.32	-0.63	0.0	2.65e-04	6.33e-05
5367	193	-1.36	-13.29	-0.39	0.0	-4.71e-05	-4.64e-04
5367	209	10.89	-11.20	-0.58	0.0	3.87e-04	-6.18e-04
5367	220	7.09	9.79	-0.65	0.0	3.01e-04	8.01e-05
5367	225	-1.58	-15.55	-0.38	0.0	-5.91e-05	-5.48e-04
5368	4	0.50	0.24	-0.90	0.0	6.43e-05	-1.72e-05
5368	44	0.42	-2.16	-0.77	0.0	6.34e-05	-2.59e-05
5368	68	0.35	0.13	-0.63	0.0	4.47e-05	-1.28e-05
5368	88	0.30	-1.47	-0.55	0.0	4.41e-05	-1.86e-05
5368	98	0.28	-0.42	-0.51	0.0	3.80e-05	-1.53e-05
5368	105	0.26	-0.61	-0.49	0.0	3.64e-05	-1.54e-05
5368	107	0.26	-0.40	-0.49	0.0	3.60e-05	-1.49e-05
5368	108	8.67	-3.68	-0.61	0.0	2.59e-04	-4.88e-04
5368	124	5.70	7.56	-0.62	0.0	2.10e-04	4.97e-05
5368	129	-1.24	-12.19	-0.41	0.0	-3.13e-05	-4.12e-04
5368	140	9.73	-4.09	-0.62	0.0	2.87e-04	-5.48e-04
5368	156	6.38	8.56	-0.64	0.0	2.32e-04	5.83e-05
5368	161	-1.43	-13.69	-0.40	0.0	-3.97e-05	-4.63e-04
5368	172	9.54	-3.99	-0.62	0.0	2.81e-04	-5.35e-04
5368	188	6.25	8.54	-0.63	0.0	2.27e-04	6.05e-05
5368	193	-1.38	-13.65	-0.40	0.0	-3.83e-05	-4.63e-04
5368	204	11.06	-4.58	-0.64	0.0	3.20e-04	-6.18e-04

5368	220	7.22	10.06	-0.65	0.0	2.58e-04	7.68e-05
5368	225	-1.60	-15.96	-0.38	0.0	-4.89e-05	-5.47e-04
5369	4	0.53	0.21	-0.91	0.0	6.33e-05	-2.09e-05
5369	44	0.45	-2.25	-0.79	0.0	6.38e-05	-2.11e-05
5369	68	0.37	0.11	-0.64	0.0	4.40e-05	-1.53e-05
5369	88	0.32	-1.53	-0.56	0.0	4.44e-05	-1.54e-05
5369	98	0.30	-0.45	-0.52	0.0	3.79e-05	-1.48e-05
5369	105	0.28	-0.64	-0.50	0.0	3.64e-05	-1.44e-05
5369	107	0.28	-0.43	-0.50	0.0	3.58e-05	-1.44e-05
5369	108	8.78	-3.74	-0.62	0.0	2.36e-04	-4.88e-04
5369	124	5.79	7.74	-0.63	0.0	1.97e-04	4.76e-05
5369	129	-1.25	-12.49	-0.42	0.0	-2.84e-05	-4.10e-04
5369	140	9.85	-4.16	-0.63	0.0	2.61e-04	-5.48e-04
5369	156	6.48	8.76	-0.64	0.0	2.17e-04	5.59e-05
5369	161	-1.44	-14.02	-0.41	0.0	-3.63e-05	-4.61e-04
5369	172	9.66	-4.05	-0.63	0.0	2.55e-04	-5.35e-04
5369	188	6.35	8.74	-0.64	0.0	2.13e-04	5.80e-05
5369	193	-1.39	-13.99	-0.41	0.0	-3.49e-05	-4.61e-04
5369	204	11.19	-4.64	-0.65	0.0	2.91e-04	-6.20e-04
5369	220	7.33	10.29	-0.66	0.0	2.41e-04	7.38e-05
5369	225	-1.62	-16.34	-0.39	0.0	-4.51e-05	-5.44e-04
5370	4	0.47	0.27	-0.97	0.0	6.91e-05	-1.96e-05
5370	44	0.40	-2.07	-0.81	0.0	6.05e-05	-2.73e-05
5370	68	0.33	0.16	-0.68	0.0	4.80e-05	-1.43e-05
5370	88	0.28	-1.41	-0.58	0.0	4.23e-05	-1.94e-05
5370	98	0.27	-0.38	-0.55	0.0	3.85e-05	-1.64e-05
5370	105	0.25	-0.57	-0.52	0.0	3.65e-05	-1.63e-05
5370	107	0.25	-0.37	-0.52	0.0	3.65e-05	-1.58e-05
5370	113	8.63	-8.81	-0.64	0.0	2.54e-04	-4.84e-04
5370	124	5.60	7.37	-0.72	0.0	2.51e-04	5.23e-05
5370	129	-1.15	-11.87	-0.40	0.0	-4.14e-05	-4.13e-04
5370	145	9.68	-9.87	-0.65	0.0	2.81e-04	-5.43e-04
5370	156	6.27	8.34	-0.75	0.0	2.77e-04	6.13e-05
5370	161	-1.32	-13.32	-0.38	0.0	-5.10e-05	-4.64e-04
5370	177	9.52	-9.68	-0.65	0.0	2.74e-04	-5.29e-04
5370	188	6.15	8.32	-0.74	0.0	2.71e-04	6.34e-05
5370	193	-1.27	-13.30	-0.38	0.0	-4.95e-05	-4.63e-04
5370	209	11.05	-11.21	-0.67	0.0	3.12e-04	-6.10e-04
5370	220	7.12	9.80	-0.78	0.0	3.09e-04	8.04e-05
5370	225	-1.47	-15.55	-0.36	0.0	-6.18e-05	-5.47e-04
5371	4	0.51	0.24	-0.98	0.0	6.66e-05	-2.11e-05
5371	44	0.43	-2.16	-0.82	0.0	5.93e-05	-2.46e-05
5371	68	0.35	0.13	-0.68	0.0	4.63e-05	-1.54e-05
5371	88	0.31	-1.47	-0.58	0.0	4.14e-05	-1.77e-05
5371	98	0.29	-0.42	-0.55	0.0	3.74e-05	-1.60e-05
5371	105	0.27	-0.61	-0.53	0.0	3.55e-05	-1.57e-05
5371	107	0.27	-0.40	-0.53	0.0	3.55e-05	-1.54e-05
5371	108	8.76	-3.68	-0.71	0.0	2.70e-04	-4.86e-04
5371	124	5.71	7.56	-0.73	0.0	2.18e-04	4.99e-05
5371	129	-1.17	-12.20	-0.40	0.0	-3.66e-05	-4.13e-04
5371	140	9.83	-4.09	-0.73	0.0	2.99e-04	-5.45e-04
5371	156	6.39	8.57	-0.75	0.0	2.41e-04	5.86e-05
5371	161	-1.35	-13.69	-0.39	0.0	-4.55e-05	-4.63e-04
5371	177	9.67	-9.90	-0.65	0.0	2.23e-04	-5.32e-04
5371	188	6.28	8.54	-0.75	0.0	2.36e-04	6.06e-05
5371	193	-1.29	-13.66	-0.39	0.0	-4.39e-05	-4.63e-04
5371	209	11.22	-11.45	-0.67	0.0	2.53e-04	-6.15e-04
5371	220	7.26	10.06	-0.78	0.0	2.68e-04	7.71e-05
5371	225	-1.50	-15.96	-0.36	0.0	-5.53e-05	-5.47e-04
5372	4	0.54	0.21	-0.99	0.0	6.53e-05	-2.19e-05
5372	44	0.46	-2.24	-0.84	0.0	5.85e-05	-2.10e-05
5372	68	0.38	0.11	-0.70	0.0	4.54e-05	-1.60e-05
5372	88	0.33	-1.53	-0.59	0.0	4.09e-05	-1.53e-05
5372	98	0.30	-0.45	-0.56	0.0	3.67e-05	-1.50e-05
5372	105	0.29	-0.64	-0.53	0.0	3.49e-05	-1.46e-05
5372	107	0.29	-0.43	-0.54	0.0	3.48e-05	-1.46e-05
5372	108	8.88	-3.73	-0.72	0.0	2.48e-04	-4.88e-04
5372	124	5.81	7.74	-0.73	0.0	2.06e-04	4.75e-05
5372	129	-1.18	-12.49	-0.41	0.0	-3.49e-05	-4.10e-04
5372	140	9.96	-4.15	-0.74	0.0	2.75e-04	-5.48e-04
5372	156	6.50	8.77	-0.76	0.0	2.27e-04	5.58e-05
5372	161	-1.36	-14.02	-0.39	0.0	-4.35e-05	-4.61e-04
5372	172	9.79	-4.05	-0.73	0.0	2.68e-04	-5.35e-04
5372	188	6.38	8.74	-0.75	0.0	2.23e-04	5.78e-05
5372	193	-1.31	-13.98	-0.39	0.0	-4.20e-05	-4.61e-04

5372	204	11.36	-4.63	-0.76	0.0	3.05e-04	-6.19e-04
5372	220	7.38	10.30	-0.79	0.0	2.53e-04	7.37e-05
5372	225	-1.52	-16.34	-0.37	0.0	-5.30e-05	-5.44e-04
5373	4	0.33	0.40	-1.03	0.0	8.04e-05	-1.36e-05
5373	44	0.28	-1.67	-0.85	0.0	6.83e-05	-1.44e-05
5373	68	0.23	0.25	-0.72	0.0	5.58e-05	-9.62e-06
5373	88	0.20	-1.13	-0.60	0.0	4.77e-05	-1.01e-05
5373	98	0.19	-0.24	-0.59	0.0	4.47e-05	-9.50e-06
5373	105	0.18	-0.40	-0.55	0.0	4.22e-05	-9.08e-06
5373	107	0.18	-0.23	-0.56	0.0	4.23e-05	-9.02e-06
5373	113	7.71	-7.92	-0.72	0.0	6.31e-04	-4.36e-04
5373	124	4.91	6.52	-0.82	0.0	-1.13e-05	4.73e-05
5373	129	-0.98	-10.43	-0.39	0.0	3.65e-04	-3.66e-04
5373	145	8.66	-8.88	-0.74	0.0	7.05e-04	-4.90e-04
5373	156	5.51	7.37	-0.85	0.0	-1.76e-05	5.48e-05
5373	161	-1.12	-11.72	-0.37	0.0	4.05e-04	-4.12e-04
5373	177	8.55	-8.73	-0.73	0.0	6.90e-04	-4.78e-04
5373	188	5.43	7.35	-0.84	0.0	-1.51e-05	5.67e-05
5373	193	-1.07	-11.71	-0.37	0.0	3.95e-04	-4.12e-04
5373	209	9.95	-10.13	-0.76	0.0	7.95e-04	-5.53e-04
5373	220	6.30	8.64	-0.89	0.0	-2.35e-05	7.11e-05
5373	225	-1.23	-13.72	-0.34	0.0	4.53e-04	-4.88e-04
5374	4	0.37	0.37	-1.03	0.0	7.93e-05	-2.03e-05
5374	44	0.32	-1.77	-0.86	0.0	6.70e-05	-2.19e-05
5374	68	0.26	0.23	-0.72	0.0	5.50e-05	-1.44e-05
5374	88	0.23	-1.20	-0.61	0.0	4.69e-05	-1.54e-05
5374	98	0.21	-0.28	-0.59	0.0	4.39e-05	-1.42e-05
5374	105	0.20	-0.45	-0.55	0.0	4.14e-05	-1.37e-05
5374	107	0.20	-0.26	-0.56	0.0	4.16e-05	-1.35e-05
5374	113	8.03	-8.15	-0.72	0.0	5.72e-04	-4.51e-04
5374	124	5.12	6.74	-0.82	0.0	3.79e-04	4.92e-05
5374	129	-1.01	-10.80	-0.40	0.0	-5.21e-05	-3.85e-04
5374	145	9.02	-9.14	-0.74	0.0	6.39e-04	-5.06e-04
5374	156	5.74	7.63	-0.85	0.0	4.22e-04	5.75e-05
5374	161	-1.16	-12.14	-0.37	0.0	-6.37e-05	-4.33e-04
5374	177	8.90	-8.98	-0.74	0.0	6.24e-04	-4.92e-04
5374	188	5.65	7.61	-0.85	0.0	4.12e-04	5.94e-05
5374	193	-1.10	-12.12	-0.37	0.0	-6.12e-05	-4.32e-04
5374	209	10.35	-10.41	-0.76	0.0	7.19e-04	-5.68e-04
5374	220	6.56	8.94	-0.89	0.0	4.71e-04	7.50e-05
5374	225	-1.27	-14.19	-0.34	0.0	-7.54e-05	-5.09e-04
5375	4	0.41	0.34	-1.04	0.0	7.67e-05	-2.36e-05
5375	44	0.35	-1.87	-0.86	0.0	6.48e-05	-2.57e-05
5375	68	0.29	0.20	-0.73	0.0	5.33e-05	-1.68e-05
5375	88	0.25	-1.27	-0.61	0.0	4.53e-05	-1.82e-05
5375	98	0.23	-0.31	-0.59	0.0	4.23e-05	-1.68e-05
5375	105	0.22	-0.49	-0.56	0.0	4.00e-05	-1.62e-05
5375	107	0.22	-0.30	-0.56	0.0	4.01e-05	-1.59e-05
5375	113	8.31	-8.38	-0.72	0.0	4.91e-04	-4.63e-04
5375	124	5.31	6.96	-0.82	0.0	3.40e-04	5.13e-05
5375	129	-1.03	-11.17	-0.40	0.0	-4.96e-05	-3.99e-04
5375	145	9.33	-9.39	-0.74	0.0	5.48e-04	-5.19e-04
5375	156	5.95	7.87	-0.85	0.0	3.77e-04	6.01e-05
5375	161	-1.19	-12.55	-0.38	0.0	-6.07e-05	-4.48e-04
5375	177	9.20	-9.22	-0.74	0.0	5.35e-04	-5.04e-04
5375	188	5.86	7.85	-0.85	0.0	3.69e-04	6.20e-05
5375	193	-1.14	-12.53	-0.38	0.0	-5.85e-05	-4.47e-04
5375	209	10.70	-10.68	-0.76	0.0	6.15e-04	-5.81e-04
5375	220	6.79	9.24	-0.89	0.0	4.21e-04	7.85e-05
5375	225	-1.31	-14.66	-0.35	0.0	-7.23e-05	-5.26e-04
5376	4	0.45	0.31	-1.04	0.0	7.33e-05	-2.40e-05
5376	44	0.39	-1.97	-0.86	0.0	6.20e-05	-2.62e-05
5376	68	0.31	0.18	-0.73	0.0	5.10e-05	-1.72e-05
5376	88	0.27	-1.34	-0.61	0.0	4.35e-05	-1.86e-05
5376	98	0.26	-0.35	-0.59	0.0	4.04e-05	-1.73e-05
5376	105	0.24	-0.53	-0.56	0.0	3.81e-05	-1.67e-05
5376	107	0.24	-0.34	-0.56	0.0	3.83e-05	-1.65e-05
5376	113	8.54	-8.60	-0.73	0.0	4.04e-04	-4.72e-04
5376	124	5.47	7.17	-0.82	0.0	2.97e-04	5.30e-05
5376	129	-1.06	-11.53	-0.40	0.0	-4.67e-05	-4.08e-04
5376	145	9.59	-9.64	-0.75	0.0	4.50e-04	-5.29e-04
5376	156	6.13	8.12	-0.85	0.0	3.29e-04	6.21e-05
5376	161	-1.22	-12.95	-0.38	0.0	-5.73e-05	-4.59e-04
5376	177	9.45	-9.46	-0.74	0.0	4.40e-04	-5.14e-04
5376	188	6.04	8.09	-0.85	0.0	3.22e-04	6.40e-05

5376	193	-1.16	-12.92	-0.38	0.0	-5.53e-05	-4.57e-04
5376	209	10.99	-10.95	-0.77	0.0	5.05e-04	-5.92e-04
5376	220	6.99	9.53	-0.89	0.0	3.67e-04	8.11e-05
5376	225	-1.34	-15.12	-0.35	0.0	-6.86e-05	-5.38e-04
5377	4	0.02	0.69	-9.23e-03	4.03e-04	0.0	-1.04e-05
5377	15	0.01	1.14	-0.01	6.74e-04	0.0	-2.28e-05
5377	18	0.02	1.15	-9.54e-03	6.74e-04	0.0	-2.12e-05
5377	68	0.02	0.46	-7.21e-03	2.68e-04	0.0	-6.74e-06
5377	72	0.01	0.76	-7.82e-03	4.49e-04	0.0	-1.50e-05
5377	75	0.02	0.76	-7.41e-03	4.49e-04	0.0	-1.40e-05
5377	98	0.01	6.94e-03	-7.33e-03	-2.01e-06	0.0	2.95e-06
5377	102	7.95e-03	0.16	-7.71e-03	8.86e-05	0.0	-1.35e-06
5377	103	0.01	0.16	-7.40e-03	8.83e-05	0.0	0.0
5377	106	7.39e-03	5.59e-03	-7.68e-03	-1.63e-06	0.0	2.07e-06
5377	107	0.01	6.75e-03	-7.38e-03	-1.95e-06	0.0	2.83e-06
5377	108	2.35	3.31	-9.10e-03	-1.02e-03	-1.45e-06	-2.48e-04
5377	136	-0.53	4.62	-8.39e-03	-1.40e-03	2.79e-06	-1.89e-04
5377	140	2.64	3.73	-9.31e-03	-1.15e-03	-1.63e-06	-2.79e-04
5377	168	-0.60	5.20	-8.51e-03	-1.58e-03	3.11e-06	-2.13e-04
5377	172	2.54	3.69	-9.21e-03	-1.13e-03	-1.61e-06	-2.77e-04
5377	200	-0.60	5.19	-8.47e-03	-1.57e-03	2.89e-06	-2.16e-04
5377	204	2.92	4.30	-9.50e-03	-1.32e-03	-1.90e-06	-3.25e-04
5377	232	-0.69	6.09	-8.66e-03	-1.85e-03	3.31e-06	-2.59e-04
5378	4	0.03	0.87	-8.78e-03	2.81e-04	0.0	-2.99e-05
5378	15	0.02	1.44	-9.62e-03	4.71e-04	0.0	-5.62e-05
5378	18	0.03	1.44	-9.07e-03	4.70e-04	0.0	-5.44e-05
5378	68	0.02	0.58	-6.85e-03	1.87e-04	0.0	-1.97e-05
5378	72	0.01	0.96	-7.41e-03	3.14e-04	0.0	-3.72e-05
5378	75	0.02	0.96	-7.04e-03	3.13e-04	0.0	-3.60e-05
5378	98	0.02	6.07e-03	-6.96e-03	-2.05e-06	0.0	3.52e-06
5378	102	0.01	0.20	-7.31e-03	6.14e-05	0.0	-5.42e-06
5378	103	0.02	0.20	-7.03e-03	6.11e-05	0.0	-4.57e-06
5378	106	0.01	4.89e-03	-7.28e-03	-1.66e-06	0.0	2.53e-06
5378	107	0.02	5.90e-03	-7.01e-03	-1.99e-06	0.0	3.38e-06
5378	108	2.13	2.87	-8.59e-03	-1.04e-03	-3.21e-06	-2.10e-04
5378	113	2.13	0.92	-8.09e-03	-3.38e-04	-4.17e-06	-2.10e-04
5378	136	-0.48	4.01	-7.92e-03	-1.43e-03	0.0	-1.61e-04
5378	140	2.39	3.23	-8.78e-03	-1.17e-03	-3.62e-06	-2.37e-04
5378	145	2.39	1.04	-8.22e-03	-3.81e-04	-4.70e-06	-2.36e-04
5378	168	-0.54	4.52	-8.03e-03	-1.61e-03	0.0	-1.82e-04
5378	172	2.29	3.19	-8.68e-03	-1.16e-03	-3.60e-06	-2.35e-04
5378	177	2.29	1.04	-8.14e-03	-3.80e-04	-4.68e-06	-2.35e-04
5378	200	-0.54	4.51	-7.99e-03	-1.61e-03	0.0	-1.84e-04
5378	204	2.64	3.73	-8.95e-03	-1.35e-03	-4.21e-06	-2.76e-04
5378	209	2.64	1.22	-8.32e-03	-4.47e-04	-5.50e-06	-2.75e-04
5378	232	-0.63	5.29	-8.16e-03	-1.89e-03	0.0	-2.21e-04
5379	15	0.02	1.61	-8.82e-03	1.34e-04	0.0	-8.83e-05
5379	18	0.03	1.61	-8.35e-03	1.33e-04	0.0	-8.64e-05
5379	28	0.03	-0.62	-7.91e-03	2.65e-05	0.0	3.35e-05
5379	72	0.01	1.07	-6.79e-03	8.88e-05	0.0	-5.86e-05
5379	75	0.02	1.07	-6.48e-03	8.83e-05	0.0	-5.73e-05
5379	80	0.02	-0.41	-6.19e-03	1.75e-05	0.0	2.26e-05
5379	98	0.02	5.19e-03	-6.41e-03	-2.13e-06	0.0	4.02e-06
5379	102	0.01	0.22	-6.70e-03	1.64e-05	0.0	-9.37e-06
5379	103	0.02	0.22	-6.47e-03	1.60e-05	0.0	-8.44e-06
5379	106	0.01	4.17e-03	-6.68e-03	-1.73e-06	0.0	2.94e-06
5379	107	0.02	5.04e-03	-6.45e-03	-2.07e-06	0.0	3.86e-06
5379	108	1.94	2.42	-7.65e-03	-1.07e-03	-2.89e-06	-1.75e-04
5379	113	1.94	0.78	-7.25e-03	-3.48e-04	-3.71e-06	-1.72e-04
5379	136	-0.44	3.39	-7.20e-03	-1.48e-03	0.0	-1.36e-04
5379	140	2.18	2.72	-7.79e-03	-1.21e-03	-3.26e-06	-1.98e-04
5379	145	2.18	0.88	-7.34e-03	-3.92e-04	-4.18e-06	-1.95e-04
5379	168	-0.49	3.81	-7.29e-03	-1.67e-03	0.0	-1.55e-04
5379	172	2.09	2.69	-7.70e-03	-1.19e-03	-3.24e-06	-1.96e-04
5379	177	2.09	0.87	-7.27e-03	-3.90e-04	-4.16e-06	-1.93e-04
5379	200	-0.49	3.80	-7.26e-03	-1.67e-03	0.0	-1.56e-04
5379	204	2.40	3.14	-7.90e-03	-1.39e-03	-3.79e-06	-2.30e-04
5379	209	2.41	1.02	-7.40e-03	-4.60e-04	-4.89e-06	-2.27e-04
5379	232	-0.57	4.47	-7.40e-03	-1.96e-03	0.0	-1.87e-04
5380	15	0.01	1.57	-7.23e-03	-2.81e-04	0.0	-9.34e-05
5380	18	0.02	1.58	-6.86e-03	-2.81e-04	0.0	-9.15e-05
5380	28	0.03	-0.58	-6.50e-03	1.51e-04	0.0	3.49e-05
5380	72	0.01	1.05	-5.57e-03	-1.87e-04	0.0	-6.20e-05
5380	75	0.02	1.05	-5.32e-03	-1.88e-04	0.0	-6.08e-05
5380	80	0.02	-0.39	-5.08e-03	1.00e-04	0.0	2.36e-05

5380	98	0.01	4.21e-03	-5.26e-03	-2.26e-06	0.0	3.88e-06
5380	102	9.75e-03	0.21	-5.50e-03	-3.89e-05	0.0	-1.01e-05
5380	103	0.01	0.21	-5.31e-03	-3.93e-05	0.0	-9.23e-06
5380	106	9.68e-03	3.37e-03	-5.48e-03	-1.83e-06	0.0	2.86e-06
5380	107	0.01	4.09e-03	-5.30e-03	-2.20e-06	0.0	3.73e-06
5380	108	1.39	1.93	-6.48e-03	-1.11e-03	-2.68e-06	-1.48e-04
5380	113	1.39	0.62	-6.11e-03	-3.59e-04	-2.70e-06	-1.45e-04
5380	136	-0.31	2.70	-5.97e-03	-1.55e-03	-2.06e-06	-1.17e-04
5380	140	1.56	2.17	-6.62e-03	-1.25e-03	-3.02e-06	-1.67e-04
5380	145	1.56	0.70	-6.21e-03	-4.05e-04	-3.04e-06	-1.63e-04
5380	168	-0.35	3.05	-6.06e-03	-1.74e-03	-2.33e-06	-1.32e-04
5380	172	1.50	2.14	-6.54e-03	-1.24e-03	-3.00e-06	-1.65e-04
5380	177	1.50	0.69	-6.15e-03	-4.03e-04	-3.02e-06	-1.62e-04
5380	200	-0.36	3.04	-6.02e-03	-1.74e-03	-2.35e-06	-1.33e-04
5380	204	1.72	2.50	-6.74e-03	-1.44e-03	-3.51e-06	-1.94e-04
5380	209	1.72	0.81	-6.28e-03	-4.74e-04	-3.54e-06	-1.90e-04
5380	232	-0.41	3.57	-6.15e-03	-2.04e-03	-2.81e-06	-1.60e-04
5381	15	9.25e-03	1.35	-5.62e-03	-6.69e-04	0.0	-8.80e-05
5381	18	0.02	1.35	-5.34e-03	-6.70e-04	0.0	-8.64e-05
5381	28	0.02	-0.48	-5.07e-03	2.67e-04	0.0	3.27e-05
5381	72	6.80e-03	0.90	-4.33e-03	-4.46e-04	0.0	-5.84e-05
5381	75	0.01	0.90	-4.14e-03	-4.47e-04	0.0	-5.74e-05
5381	80	0.01	-0.32	-3.96e-03	1.78e-04	0.0	2.21e-05
5381	98	0.01	3.16e-03	-4.10e-03	-2.41e-06	0.0	3.47e-06
5381	102	7.05e-03	0.18	-4.27e-03	-9.08e-05	0.0	-9.64e-06
5381	103	0.01	0.18	-4.14e-03	-9.12e-05	0.0	-8.86e-06
5381	106	7.12e-03	2.53e-03	-4.26e-03	-1.94e-06	0.0	2.56e-06
5381	107	0.01	3.07e-03	-4.12e-03	-2.35e-06	0.0	3.34e-06
5381	108	0.83	1.42	-5.02e-03	-1.15e-03	-2.61e-06	-1.21e-04
5381	113	0.83	0.45	-4.72e-03	-3.69e-04	-2.59e-06	-1.18e-04
5381	136	-0.19	1.99	-4.68e-03	-1.60e-03	-2.03e-06	-9.64e-05
5381	140	0.93	1.59	-5.13e-03	-1.29e-03	-2.94e-06	-1.37e-04
5381	145	0.94	0.51	-4.79e-03	-4.15e-04	-2.91e-06	-1.33e-04
5381	168	-0.21	2.24	-4.75e-03	-1.81e-03	-2.30e-06	-1.09e-04
5381	172	0.89	1.57	-5.07e-03	-1.28e-03	-2.91e-06	-1.35e-04
5381	177	0.90	0.51	-4.74e-03	-4.13e-04	-2.89e-06	-1.32e-04
5381	200	-0.21	2.24	-4.73e-03	-1.80e-03	-2.32e-06	-1.10e-04
5381	204	1.03	1.84	-5.22e-03	-1.49e-03	-3.41e-06	-1.59e-04
5381	209	1.03	0.60	-4.84e-03	-4.86e-04	-3.38e-06	-1.55e-04
5381	232	-0.25	2.63	-4.84e-03	-2.12e-03	-2.77e-06	-1.32e-04
5382	15	5.65e-03	1.00	-3.84e-03	-9.64e-04	0.0	-7.47e-05
5382	18	0.01	1.00	-3.66e-03	-9.65e-04	0.0	-7.34e-05
5382	28	0.01	-0.35	-3.48e-03	3.55e-04	0.0	2.76e-05
5382	72	4.22e-03	0.67	-2.96e-03	-6.43e-04	0.0	-4.96e-05
5382	75	7.28e-03	0.67	-2.84e-03	-6.44e-04	0.0	-4.87e-05
5382	80	0.01	-0.23	-2.72e-03	2.36e-04	0.0	1.86e-05
5382	98	7.75e-03	2.16e-03	-2.81e-03	-2.56e-06	0.0	2.84e-06
5382	102	4.92e-03	0.13	-2.92e-03	-1.30e-04	0.0	-8.24e-06
5382	103	7.19e-03	0.13	-2.83e-03	-1.31e-04	0.0	-7.60e-06
5382	106	5.10e-03	1.73e-03	-2.92e-03	-2.05e-06	0.0	2.10e-06
5382	107	7.37e-03	2.10e-03	-2.82e-03	-2.48e-06	0.0	2.74e-06
5382	113	0.38	0.30	-2.32e-03	-3.75e-04	-3.08e-06	-9.03e-05
5382	134	-0.26	0.95	-3.35e-03	-1.16e-03	0.0	-1.05e-05
5382	136	-0.09	1.34	-3.32e-03	-1.64e-03	-2.51e-06	-7.45e-05
5382	145	0.43	0.34	-2.26e-03	-4.22e-04	-3.47e-06	-1.02e-04
5382	166	-0.29	1.07	-3.42e-03	-1.31e-03	0.0	-1.22e-05
5382	168	-0.10	1.51	-3.38e-03	-1.85e-03	-2.84e-06	-8.44e-05
5382	177	0.41	0.34	-2.32e-03	-4.20e-04	-3.44e-06	-1.01e-04
5382	198	-0.28	1.06	-3.39e-03	-1.30e-03	0.0	-1.23e-05
5382	200	-0.10	1.50	-3.37e-03	-1.84e-03	-2.86e-06	-8.50e-05
5382	209	0.47	0.40	-2.25e-03	-4.93e-04	-4.03e-06	-1.19e-04
5382	230	-0.32	1.24	-3.48e-03	-1.52e-03	0.0	-1.56e-05
5382	232	-0.12	1.76	-3.46e-03	-2.16e-03	-3.41e-06	-1.02e-04
5383	15	3.39e-03	0.53	-2.18e-03	-1.17e-03	0.0	-3.97e-05
5383	18	6.23e-03	0.53	-2.09e-03	-1.17e-03	0.0	-3.90e-05
5383	28	9.04e-03	-0.19	-2.02e-03	4.16e-04	0.0	1.47e-05
5383	72	2.54e-03	0.35	-1.68e-03	-7.79e-04	0.0	-2.63e-05
5383	75	4.44e-03	0.35	-1.62e-03	-7.80e-04	0.0	-2.59e-05
5383	80	6.31e-03	-0.12	-1.57e-03	2.77e-04	0.0	9.89e-06
5383	98	4.84e-03	1.10e-03	-1.61e-03	-2.66e-06	0.0	1.50e-06
5383	102	3.06e-03	0.07	-1.66e-03	-1.58e-04	0.0	-4.38e-06
5383	103	4.47e-03	0.07	-1.62e-03	-1.58e-04	0.0	-4.05e-06
5383	106	3.19e-03	8.77e-04	-1.66e-03	-2.13e-06	0.0	1.11e-06
5383	107	4.60e-03	1.07e-03	-1.61e-03	-2.59e-06	0.0	1.44e-06
5383	108	0.21	0.48	-1.90e-03	-1.18e-03	-3.76e-06	-4.64e-05

5383	113	0.21	0.15	-1.80e-03	-3.78e-04	-3.66e-06	-4.51e-05
5383	136	-0.05	0.67	-1.83e-03	-1.66e-03	-3.02e-06	-3.71e-05
5383	140	0.23	0.54	-1.94e-03	-1.33e-03	-4.23e-06	-5.25e-05
5383	145	0.24	0.17	-1.82e-03	-4.26e-04	-4.12e-06	-5.10e-05
5383	168	-0.06	0.76	-1.86e-03	-1.87e-03	-3.41e-06	-4.21e-05
5383	172	0.22	0.53	-1.91e-03	-1.32e-03	-4.19e-06	-5.19e-05
5383	177	0.23	0.17	-1.79e-03	-4.23e-04	-4.08e-06	-5.05e-05
5383	200	-0.06	0.75	-1.85e-03	-1.87e-03	-3.43e-06	-4.23e-05
5383	204	0.26	0.62	-1.96e-03	-1.54e-03	-4.90e-06	-6.09e-05
5383	209	0.26	0.20	-1.82e-03	-4.97e-04	-4.77e-06	-5.93e-05
5383	232	-0.07	0.89	-1.89e-03	-2.19e-03	-4.10e-06	-5.08e-05
5384	1	0.0	0.0	0.0	-7.45e-04	0.0	-3.89e-06
5384	65	0.0	0.0	0.0	-4.97e-04	0.0	-2.58e-06
5384	97	0.0	0.0	0.0	-2.16e-06	0.0	0.0
5384	106	0.0	0.0	0.0	-2.16e-06	0.0	0.0
5384	108	0.0	0.0	0.0	-1.19e-03	-3.75e-06	-4.24e-06
5384	140	0.0	0.0	0.0	-1.34e-03	-4.22e-06	-4.80e-06
5384	172	0.0	0.0	0.0	-1.32e-03	-4.18e-06	-4.75e-06
5384	204	0.0	0.0	0.0	-1.54e-03	-4.89e-06	-5.59e-06
5385	15	-3.05e-03	1.60	-8.70e-03	1.38e-04	0.0	8.96e-05
5385	19	-8.65e-04	1.60	-6.81e-03	1.36e-04	0.0	9.12e-05
5385	28	-0.01	-0.65	-7.71e-03	3.90e-05	0.0	-3.61e-05
5385	72	-2.48e-03	1.06	-6.71e-03	9.20e-05	0.0	5.94e-05
5385	80	-9.16e-03	-0.43	-6.04e-03	2.64e-05	0.0	-2.44e-05
5385	98	-7.67e-03	-0.01	-6.29e-03	5.87e-06	0.0	-5.35e-06
5385	102	-4.54e-03	0.21	-6.61e-03	2.14e-05	0.0	8.84e-06
5385	106	-5.05e-03	-7.55e-03	-6.59e-03	3.79e-06	0.0	-3.79e-06
5385	107	-7.29e-03	-0.01	-6.33e-03	5.58e-06	0.0	-5.13e-06
5385	108	1.92	-0.77	-7.42e-03	3.43e-04	7.60e-06	-1.80e-04
5385	111	-1.93	0.74	-5.24e-03	-3.32e-04	-7.60e-06	1.70e-04
5385	129	-0.47	-3.40	-5.72e-03	1.49e-03	0.0	-1.42e-04
5385	140	2.16	-0.86	-7.55e-03	3.86e-04	8.56e-06	-2.02e-04
5385	143	-2.17	0.84	-5.11e-03	-3.75e-04	-8.56e-06	1.92e-04
5385	161	-0.52	-3.83	-5.64e-03	1.68e-03	0.0	-1.59e-04
5385	175	-2.08	0.84	-5.22e-03	-3.73e-04	-8.53e-06	1.90e-04
5385	188	1.43	2.68	-7.48e-03	-1.17e-03	5.14e-06	1.51e-05
5385	193	-0.52	-3.82	-5.63e-03	1.68e-03	0.0	-1.61e-04
5385	207	-2.40	0.99	-5.07e-03	-4.41e-04	-1.00e-05	2.24e-04
5385	220	1.65	3.13	-7.66e-03	-1.36e-03	6.05e-06	1.98e-05
5385	225	-0.60	-4.48	-5.51e-03	1.97e-03	0.0	-1.92e-04
5386	15	-7.39e-04	1.43	-9.49e-03	4.75e-04	0.0	5.96e-05
5386	19	5.91e-04	1.43	-7.43e-03	4.73e-04	0.0	6.11e-05
5386	52	-7.90e-03	-0.02	-8.44e-03	1.02e-05	0.0	-8.68e-06
5386	72	-7.53e-04	0.95	-7.31e-03	3.17e-04	0.0	3.94e-05
5386	92	-5.53e-03	-0.02	-6.62e-03	7.12e-06	0.0	-6.12e-06
5386	98	-4.70e-03	-0.01	-6.82e-03	5.93e-06	0.0	-5.16e-06
5386	102	-2.56e-03	0.18	-7.20e-03	6.64e-05	0.0	5.03e-06
5386	106	-3.01e-03	-9.21e-03	-7.17e-03	3.82e-06	0.0	-3.55e-06
5386	107	-4.46e-03	-0.01	-6.87e-03	5.63e-06	0.0	-4.93e-06
5386	108	2.11	-0.91	-8.29e-03	3.34e-04	5.88e-06	-2.18e-04
5386	111	-2.12	0.88	-5.45e-03	-3.23e-04	-5.88e-06	2.08e-04
5386	129	-0.50	-4.03	-6.07e-03	1.44e-03	0.0	-1.67e-04
5386	140	2.37	-1.03	-8.46e-03	3.76e-04	6.62e-06	-2.45e-04
5386	143	-2.38	1.00	-5.28e-03	-3.64e-04	-6.63e-06	2.35e-04
5386	161	-0.57	-4.54	-5.97e-03	1.62e-03	0.0	-1.88e-04
5386	175	-2.28	0.99	-5.41e-03	-3.64e-04	-6.60e-06	2.34e-04
5386	188	1.57	3.17	-8.37e-03	-1.12e-03	4.03e-06	1.54e-05
5386	193	-0.57	-4.53	-5.95e-03	1.62e-03	0.0	-1.91e-04
5386	207	-2.63	1.17	-5.21e-03	-4.30e-04	-7.75e-06	2.75e-04
5386	220	1.81	3.70	-8.61e-03	-1.31e-03	4.74e-06	2.03e-05
5386	225	-0.65	-5.31	-5.79e-03	1.90e-03	0.0	-2.27e-04
5387	4	0.01	0.71	-0.01	3.81e-04	0.0	-2.04e-06
5387	15	9.73e-03	1.16	-0.01	6.38e-04	0.0	0.0
5387	18	0.01	1.17	-0.01	6.37e-04	0.0	0.0
5387	68	0.01	0.47	-8.22e-03	2.54e-04	0.0	-1.50e-06
5387	72	6.92e-03	0.78	-8.30e-03	4.25e-04	0.0	0.0
5387	75	9.83e-03	0.78	-8.25e-03	4.24e-04	0.0	0.0
5387	102	5.20e-03	0.16	-8.27e-03	8.41e-05	0.0	-1.17e-06
5387	103	7.26e-03	0.16	-8.24e-03	8.37e-05	0.0	-1.62e-06
5387	106	4.77e-03	6.06e-03	-8.27e-03	-1.13e-06	0.0	-1.43e-06
5387	107	6.84e-03	8.03e-03	-8.23e-03	-1.55e-06	0.0	-1.87e-06
5387	108	2.34	1.11	-9.68e-03	-3.40e-04	2.45e-06	-2.47e-04
5387	126	0.39	3.77	-8.64e-03	-1.16e-03	-1.82e-06	1.84e-04
5387	140	2.64	1.25	-9.85e-03	-3.82e-04	2.76e-06	-2.78e-04
5387	158	0.43	4.24	-8.69e-03	-1.30e-03	-2.06e-06	2.07e-04

5387	172	2.53	1.23	-9.72e-03	-3.76e-04	2.74e-06	-2.75e-04
5387	190	0.42	4.18	-8.70e-03	-1.28e-03	-2.06e-06	2.08e-04
5387	204	2.91	1.43	-9.94e-03	-4.37e-04	3.21e-06	-3.22e-04
5387	222	0.49	4.85	-8.78e-03	-1.49e-03	-2.44e-06	2.46e-04
5388	4	1.05e-03	0.31	-2.25e-03	-6.94e-04	0.0	0.0
5388	15	7.09e-04	0.52	-2.26e-03	-1.15e-03	0.0	0.0
5388	18	1.04e-03	0.52	-2.26e-03	-1.15e-03	0.0	0.0
5388	68	7.30e-04	0.21	-1.73e-03	-4.63e-04	0.0	0.0
5388	72	5.02e-04	0.35	-1.74e-03	-7.67e-04	0.0	0.0
5388	75	7.20e-04	0.35	-1.74e-03	-7.68e-04	0.0	0.0
5388	102	3.69e-04	0.07	-1.74e-03	-1.56e-04	0.0	0.0
5388	103	5.23e-04	0.07	-1.73e-03	-1.56e-04	0.0	0.0
5388	106	3.36e-04	1.20e-03	-1.74e-03	-2.82e-06	0.0	0.0
5388	107	4.90e-04	1.56e-03	-1.73e-03	-3.70e-06	0.0	0.0
5388	108	0.21	0.16	-1.97e-03	-3.99e-04	6.58e-06	-4.18e-05
5388	126	0.03	0.54	-1.79e-03	-1.35e-03	-5.03e-06	3.15e-05
5388	140	0.23	0.18	-1.99e-03	-4.48e-04	7.41e-06	-4.71e-05
5388	158	0.04	0.61	-1.79e-03	-1.52e-03	-5.67e-06	3.56e-05
5388	172	0.22	0.18	-1.96e-03	-4.41e-04	7.33e-06	-4.66e-05
5388	190	0.04	0.60	-1.80e-03	-1.49e-03	-5.67e-06	3.56e-05
5388	204	0.26	0.21	-1.99e-03	-5.12e-04	8.57e-06	-5.44e-05
5388	222	0.04	0.70	-1.81e-03	-1.74e-03	-6.69e-06	4.20e-05
5389	1	0.0	0.0	0.0	-7.33e-04	0.0	0.0
5389	65	0.0	0.0	0.0	-4.89e-04	0.0	0.0
5389	97	0.0	0.0	0.0	-2.90e-06	0.0	0.0
5389	106	0.0	0.0	0.0	-2.90e-06	0.0	0.0
5389	108	0.0	0.0	0.0	-4.00e-04	6.54e-06	-3.95e-06
5389	140	0.0	0.0	0.0	-4.50e-04	7.37e-06	-4.44e-06
5389	172	0.0	0.0	0.0	-4.43e-04	7.29e-06	-4.39e-06
5389	204	0.0	0.0	0.0	-5.14e-04	8.52e-06	-5.13e-06
5390	4	1.97e-03	0.59	-4.00e-03	-5.75e-04	0.0	0.0
5390	15	1.33e-03	0.98	-4.03e-03	-9.52e-04	0.0	0.0
5390	18	1.94e-03	0.98	-4.01e-03	-9.54e-04	0.0	0.0
5390	68	1.37e-03	0.39	-3.08e-03	-3.84e-04	0.0	0.0
5390	72	9.40e-04	0.65	-3.10e-03	-6.35e-04	0.0	0.0
5390	75	1.35e-03	0.66	-3.09e-03	-6.36e-04	0.0	0.0
5390	102	6.92e-04	0.13	-3.10e-03	-1.29e-04	0.0	0.0
5390	103	9.81e-04	0.13	-3.09e-03	-1.30e-04	0.0	0.0
5390	106	6.29e-04	2.33e-03	-3.10e-03	-2.59e-06	0.0	0.0
5390	107	9.19e-04	3.05e-03	-3.08e-03	-3.40e-06	0.0	0.0
5390	108	0.38	0.32	-2.77e-03	-3.94e-04	5.63e-06	-8.37e-05
5390	114	-0.38	0.33	-3.51e-03	-4.08e-04	-5.61e-06	8.22e-05
5390	126	0.06	1.08	-3.33e-03	-1.33e-03	-4.29e-06	6.29e-05
5390	140	0.43	0.36	-2.74e-03	-4.42e-04	6.33e-06	-9.41e-05
5390	146	-0.42	0.37	-3.55e-03	-4.59e-04	-6.31e-06	9.27e-05
5390	158	0.07	1.22	-3.36e-03	-1.50e-03	-4.84e-06	7.10e-05
5390	172	0.41	0.35	-2.79e-03	-4.35e-04	6.27e-06	-9.32e-05
5390	178	-0.41	0.37	-3.49e-03	-4.52e-04	-6.25e-06	9.17e-05
5390	190	0.07	1.20	-3.34e-03	-1.48e-03	-4.83e-06	7.10e-05
5390	204	0.47	0.41	-2.75e-03	-5.06e-04	7.33e-06	-1.09e-04
5390	210	-0.47	0.43	-3.55e-03	-5.25e-04	-7.31e-06	1.07e-04
5390	222	0.08	1.39	-3.38e-03	-1.71e-03	-5.70e-06	8.38e-05
5391	4	4.88e-03	0.80	-5.86e-03	-4.04e-04	0.0	0.0
5391	15	3.30e-03	1.33	-5.92e-03	-6.67e-04	0.0	0.0
5391	18	4.80e-03	1.33	-5.88e-03	-6.69e-04	0.0	0.0
5391	68	3.40e-03	0.53	-4.52e-03	-2.69e-04	0.0	0.0
5391	72	2.34e-03	0.88	-4.55e-03	-4.45e-04	0.0	0.0
5391	75	3.34e-03	0.89	-4.53e-03	-4.46e-04	0.0	0.0
5391	102	1.75e-03	0.18	-4.54e-03	-9.08e-05	0.0	0.0
5391	103	2.45e-03	0.18	-4.52e-03	-9.15e-05	0.0	0.0
5391	106	1.60e-03	3.31e-03	-4.54e-03	-2.27e-06	0.0	0.0
5391	107	2.31e-03	4.34e-03	-4.52e-03	-3.00e-06	0.0	0.0
5391	108	0.83	0.48	-5.26e-03	-3.84e-04	4.90e-06	-1.10e-04
5391	126	0.14	1.61	-4.71e-03	-1.31e-03	-3.73e-06	8.26e-05
5391	140	0.93	0.54	-5.34e-03	-4.32e-04	5.52e-06	-1.24e-04
5391	158	0.15	1.82	-4.74e-03	-1.47e-03	-4.21e-06	9.33e-05
5391	172	0.89	0.53	-5.27e-03	-4.26e-04	5.47e-06	-1.22e-04
5391	190	0.15	1.79	-4.75e-03	-1.45e-03	-4.21e-06	9.32e-05
5391	204	1.03	0.61	-5.37e-03	-4.94e-04	6.39e-06	-1.43e-04
5391	222	0.17	2.08	-4.79e-03	-1.68e-03	-4.97e-06	1.10e-04
5392	4	8.49e-03	0.94	-7.56e-03	-1.77e-04	0.0	-1.12e-06
5392	15	5.74e-03	1.56	-7.63e-03	-2.91e-04	0.0	0.0
5392	18	8.34e-03	1.56	-7.58e-03	-2.92e-04	0.0	0.0
5392	68	5.91e-03	0.63	-5.82e-03	-1.18e-04	0.0	0.0
5392	72	4.08e-03	1.04	-5.87e-03	-1.94e-04	0.0	0.0

5392	75	5.81e-03	1.04	-5.84e-03	-1.95e-04	0.0	0.0
5392	102	3.05e-03	0.21	-5.85e-03	-4.03e-05	0.0	0.0
5392	103	4.28e-03	0.21	-5.83e-03	-4.10e-05	0.0	0.0
5392	106	2.79e-03	4.25e-03	-5.85e-03	-1.90e-06	0.0	0.0
5392	107	4.02e-03	5.59e-03	-5.83e-03	-2.53e-06	0.0	-1.09e-06
5392	108	1.38	0.65	-6.82e-03	-3.72e-04	5.38e-06	-1.36e-04
5392	126	0.23	2.20	-6.09e-03	-1.27e-03	-4.07e-06	1.02e-04
5392	140	1.55	0.73	-6.94e-03	-4.18e-04	6.06e-06	-1.53e-04
5392	158	0.26	2.47	-6.12e-03	-1.42e-03	-4.60e-06	1.16e-04
5392	172	1.49	0.72	-6.85e-03	-4.12e-04	6.01e-06	-1.52e-04
5392	190	0.25	2.43	-6.13e-03	-1.40e-03	-4.60e-06	1.15e-04
5392	204	1.72	0.83	-7.00e-03	-4.78e-04	7.02e-06	-1.77e-04
5392	222	0.29	2.82	-6.18e-03	-1.63e-03	-5.43e-06	1.36e-04
5393	4	0.01	0.96	-9.23e-03	6.40e-05	0.0	-1.30e-06
5393	15	8.04e-03	1.59	-9.31e-03	1.11e-04	0.0	0.0
5393	18	0.01	1.60	-9.26e-03	1.10e-04	0.0	0.0
5393	68	8.29e-03	0.64	-7.10e-03	4.25e-05	0.0	0.0
5393	72	5.71e-03	1.06	-7.16e-03	7.37e-05	0.0	0.0
5393	75	8.15e-03	1.07	-7.13e-03	7.29e-05	0.0	0.0
5393	102	4.27e-03	0.22	-7.14e-03	1.35e-05	0.0	0.0
5393	103	5.99e-03	0.22	-7.12e-03	1.30e-05	0.0	-1.09e-06
5393	106	3.91e-03	5.02e-03	-7.14e-03	-1.53e-06	0.0	0.0
5393	107	5.63e-03	6.61e-03	-7.11e-03	-2.06e-06	0.0	-1.29e-06
5393	108	1.93	0.81	-8.11e-03	-3.58e-04	6.31e-06	-1.64e-04
5393	126	0.32	2.76	-7.37e-03	-1.22e-03	-4.74e-06	1.23e-04
5393	140	2.17	0.91	-8.23e-03	-4.03e-04	7.10e-06	-1.85e-04
5393	158	0.36	3.10	-7.40e-03	-1.37e-03	-5.35e-06	1.39e-04
5393	172	2.08	0.90	-8.12e-03	-3.97e-04	7.05e-06	-1.83e-04
5393	190	0.35	3.05	-7.42e-03	-1.35e-03	-5.37e-06	1.39e-04
5393	204	2.40	1.04	-8.27e-03	-4.61e-04	8.25e-06	-2.14e-04
5393	222	0.41	3.54	-7.47e-03	-1.57e-03	-6.35e-06	1.65e-04
5394	4	0.01	0.87	-0.01	2.61e-04	0.0	-1.19e-06
5394	15	8.83e-03	1.44	-0.01	4.39e-04	0.0	0.0
5394	18	0.01	1.44	-0.01	4.38e-04	0.0	0.0
5394	68	9.09e-03	0.58	-7.78e-03	1.74e-04	0.0	0.0
5394	72	6.27e-03	0.96	-7.85e-03	2.92e-04	0.0	0.0
5394	75	8.93e-03	0.96	-7.80e-03	2.92e-04	0.0	0.0
5394	102	4.71e-03	0.20	-7.83e-03	5.75e-05	0.0	0.0
5394	103	6.58e-03	0.20	-7.79e-03	5.70e-05	0.0	-1.24e-06
5394	106	4.32e-03	5.58e-03	-7.82e-03	-1.26e-06	0.0	-1.20e-06
5394	107	6.19e-03	7.37e-03	-7.79e-03	-1.71e-06	0.0	-1.57e-06
5394	108	2.12	0.96	-9.12e-03	-3.47e-04	4.97e-06	-2.05e-04
5394	126	0.35	3.27	-8.15e-03	-1.18e-03	-3.72e-06	1.53e-04
5394	140	2.38	1.08	-9.27e-03	-3.90e-04	5.59e-06	-2.30e-04
5394	158	0.39	3.68	-8.19e-03	-1.33e-03	-4.20e-06	1.73e-04
5394	172	2.29	1.07	-9.15e-03	-3.84e-04	5.56e-06	-2.28e-04
5394	190	0.38	3.62	-8.20e-03	-1.31e-03	-4.22e-06	1.73e-04
5394	204	2.63	1.24	-9.35e-03	-4.46e-04	6.51e-06	-2.66e-04
5394	222	0.44	4.21	-8.28e-03	-1.52e-03	-4.99e-06	2.04e-04
5395	15	4.82e-03	1.13	-0.01	6.78e-04	0.0	2.51e-05
5395	18	6.11e-03	1.12	-9.34e-03	6.82e-04	0.0	2.22e-05
5395	19	4.07e-03	1.14	-7.84e-03	6.77e-04	0.0	2.65e-05
5395	72	3.42e-03	0.75	-7.71e-03	4.53e-04	0.0	1.64e-05
5395	75	4.28e-03	0.75	-7.27e-03	4.55e-04	0.0	1.45e-05
5395	102	2.24e-03	0.14	-7.59e-03	9.36e-05	0.0	0.0
5395	103	2.76e-03	0.14	-7.26e-03	9.54e-05	0.0	0.0
5395	106	1.95e-03	-0.01	-7.56e-03	3.84e-06	0.0	-3.26e-06
5395	107	2.47e-03	-0.02	-7.23e-03	5.65e-06	0.0	-4.67e-06
5395	108	2.34	-1.05	-8.79e-03	3.28e-04	2.84e-06	-2.57e-04
5395	129	-0.54	-4.64	-6.33e-03	1.41e-03	0.0	-1.94e-04
5395	140	2.63	-1.19	-8.97e-03	3.70e-04	3.19e-06	-2.89e-04
5395	161	-0.61	-5.22	-6.21e-03	1.58e-03	0.0	-2.19e-04
5395	172	2.53	-1.18	-8.82e-03	3.69e-04	3.18e-06	-2.87e-04
5395	188	1.74	3.64	-8.90e-03	-1.10e-03	2.05e-06	1.64e-05
5395	193	-0.61	-5.21	-6.20e-03	1.58e-03	0.0	-2.22e-04
5395	204	2.91	-1.39	-9.04e-03	4.34e-04	3.73e-06	-3.36e-04
5395	220	2.00	4.25	-9.16e-03	-1.28e-03	2.40e-06	2.15e-05
5395	225	-0.71	-6.12	-6.02e-03	1.86e-03	0.0	-2.65e-04
5396	15	-2.51e-03	0.53	-2.15e-03	-1.16e-03	0.0	3.96e-05
5396	19	-1.26e-03	0.53	-1.68e-03	-1.17e-03	0.0	4.02e-05
5396	28	-8.09e-03	-0.19	-1.98e-03	4.29e-04	0.0	-1.52e-05
5396	72	-1.95e-03	0.35	-1.66e-03	-7.76e-04	0.0	2.63e-05
5396	80	-5.67e-03	-0.13	-1.54e-03	2.86e-04	0.0	-1.03e-05
5396	98	-4.38e-03	-2.16e-03	-1.59e-03	5.47e-06	0.0	-1.87e-06
5396	102	-2.76e-03	0.07	-1.64e-03	-1.52e-04	0.0	4.18e-06

5396	106	-2.97e-03	-1.37e-03	-1.64e-03	3.48e-06	0.0	-1.35e-06
5396	107	-4.18e-03	-2.05e-03	-1.59e-03	5.18e-06	0.0	-1.79e-06
5396	108	0.20	-0.15	-1.87e-03	3.74e-04	7.27e-06	-4.77e-05
5396	111	-0.21	0.15	-1.32e-03	-3.63e-04	-7.21e-06	4.41e-05
5396	129	-0.06	-0.67	-1.44e-03	1.67e-03	5.90e-06	-3.93e-05
5396	140	0.23	-0.17	-1.90e-03	4.21e-04	8.19e-06	-5.35e-05
5396	143	-0.24	0.17	-1.29e-03	-4.10e-04	-8.12e-06	4.99e-05
5396	161	-0.07	-0.76	-1.42e-03	1.88e-03	6.66e-06	-4.42e-05
5396	175	-0.23	0.16	-1.32e-03	-4.08e-04	-8.06e-06	4.95e-05
5396	188	0.15	0.53	-1.88e-03	-1.32e-03	-1.01e-06	5.13e-06
5396	193	-0.07	-0.76	-1.42e-03	1.88e-03	6.74e-06	-4.47e-05
5396	207	-0.26	0.19	-1.28e-03	-4.81e-04	-9.44e-06	5.83e-05
5396	220	0.18	0.62	-1.92e-03	-1.54e-03	-1.24e-06	6.67e-06
5396	225	-0.08	-0.89	-1.39e-03	2.20e-03	8.04e-06	-5.30e-05
5397	1	0.0	0.0	0.0	-7.39e-04	0.0	3.87e-06
5397	65	0.0	0.0	0.0	-4.93e-04	0.0	2.56e-06
5397	97	0.0	0.0	0.0	3.46e-06	0.0	0.0
5397	106	0.0	0.0	0.0	3.46e-06	0.0	0.0
5397	108	0.0	0.0	0.0	3.75e-04	7.25e-06	-4.60e-06
5397	140	0.0	0.0	0.0	4.22e-04	8.16e-06	-5.14e-06
5397	172	0.0	0.0	0.0	4.20e-04	8.11e-06	-5.11e-06
5397	204	0.0	0.0	0.0	4.93e-04	9.48e-06	-5.93e-06
5398	15	-3.81e-03	0.99	-3.79e-03	-9.60e-04	0.0	7.51e-05
5398	19	-1.90e-03	1.00	-2.96e-03	-9.61e-04	0.0	7.61e-05
5398	28	-0.01	-0.36	-3.40e-03	3.68e-04	0.0	-2.89e-05
5398	72	-2.96e-03	0.66	-2.92e-03	-6.40e-04	0.0	4.98e-05
5398	80	-8.59e-03	-0.24	-2.66e-03	2.45e-04	0.0	-1.95e-05
5398	98	-6.67e-03	-4.35e-03	-2.76e-03	5.56e-06	0.0	-3.55e-06
5398	102	-4.20e-03	0.13	-2.88e-03	-1.25e-04	0.0	7.91e-06
5398	106	-4.51e-03	-2.76e-03	-2.87e-03	3.55e-06	0.0	-2.56e-06
5398	107	-6.36e-03	-4.12e-03	-2.77e-03	5.27e-06	0.0	-3.41e-06
5398	111	-0.38	0.29	-3.12e-03	-3.59e-04	-6.08e-06	8.82e-05
5398	114	-0.38	0.94	-3.34e-03	-1.15e-03	-6.18e-06	9.01e-05
5398	129	-0.10	-1.34	-2.35e-03	1.65e-03	4.89e-06	-7.79e-05
5398	143	-0.43	0.33	-3.16e-03	-4.05e-04	-6.85e-06	9.98e-05
5398	146	-0.42	1.06	-3.40e-03	-1.30e-03	-6.96e-06	1.02e-04
5398	161	-0.12	-1.51	-2.30e-03	1.86e-03	5.52e-06	-8.75e-05
5398	175	-0.41	0.33	-3.12e-03	-4.03e-04	-6.81e-06	9.90e-05
5398	178	-0.41	1.05	-3.36e-03	-1.29e-03	-6.91e-06	1.01e-04
5398	193	-0.12	-1.51	-2.30e-03	1.85e-03	5.58e-06	-8.84e-05
5398	207	-0.47	0.39	-3.17e-03	-4.75e-04	-7.97e-06	1.16e-04
5398	210	-0.47	1.22	-3.45e-03	-1.50e-03	-8.09e-06	1.19e-04
5398	225	-0.13	-1.77	-2.22e-03	2.17e-03	6.66e-06	-1.05e-04
5399	15	-3.50e-03	1.34	-5.55e-03	-6.65e-04	0.0	8.86e-05
5399	19	-1.54e-03	1.34	-4.33e-03	-6.66e-04	0.0	8.99e-05
5399	28	-0.01	-0.50	-4.95e-03	2.79e-04	0.0	-3.44e-05
5399	72	-2.75e-03	0.89	-4.28e-03	-4.43e-04	0.0	5.87e-05
5399	80	-8.63e-03	-0.33	-3.88e-03	1.87e-04	0.0	-2.32e-05
5399	98	-6.86e-03	-6.59e-03	-4.02e-03	5.67e-06	0.0	-4.38e-06
5399	102	-4.22e-03	0.18	-4.22e-03	-8.56e-05	0.0	9.23e-06
5399	106	-4.59e-03	-4.20e-03	-4.20e-03	3.63e-06	0.0	-3.15e-06
5399	107	-6.54e-03	-6.25e-03	-4.05e-03	5.38e-06	0.0	-4.20e-06
5399	108	0.82	-0.45	-4.86e-03	3.63e-04	5.18e-06	-1.24e-04
5399	111	-0.83	0.43	-3.24e-03	-3.52e-04	-5.15e-06	1.15e-04
5399	129	-0.21	-2.00	-3.59e-03	1.61e-03	3.99e-06	-1.00e-04
5399	140	0.92	-0.50	-4.95e-03	4.08e-04	5.83e-06	-1.39e-04
5399	143	-0.93	0.49	-3.15e-03	-3.98e-04	-5.80e-06	1.30e-04
5399	161	-0.23	-2.25	-3.53e-03	1.81e-03	4.51e-06	-1.13e-04
5399	175	-0.90	0.49	-3.23e-03	-3.96e-04	-5.76e-06	1.29e-04
5399	188	0.61	1.58	-4.91e-03	-1.27e-03	0.0	1.24e-05
5399	193	-0.23	-2.24	-3.52e-03	1.81e-03	4.57e-06	-1.14e-04
5399	207	-1.03	0.58	-3.11e-03	-4.67e-04	-6.75e-06	1.52e-04
5399	220	0.71	1.84	-5.04e-03	-1.48e-03	0.0	1.62e-05
5399	225	-0.27	-2.63	-3.43e-03	2.12e-03	5.46e-06	-1.35e-04
5400	15	-3.20e-03	1.57	-7.14e-03	-2.76e-04	0.0	9.42e-05
5400	19	-1.15e-03	1.57	-5.58e-03	-2.78e-04	0.0	9.57e-05
5400	28	-0.01	-0.60	-6.34e-03	1.63e-04	0.0	-3.70e-05
5400	72	-2.57e-03	1.04	-5.50e-03	-1.84e-04	0.0	6.24e-05
5400	80	-8.81e-03	-0.40	-4.97e-03	1.09e-04	0.0	-2.50e-05
5400	98	-7.20e-03	-9.18e-03	-5.17e-03	5.78e-06	0.0	-5.00e-06
5400	102	-4.33e-03	0.20	-5.42e-03	-3.38e-05	0.0	9.63e-06
5400	106	-4.77e-03	-5.86e-03	-5.40e-03	3.72e-06	0.0	-3.58e-06
5400	107	-6.85e-03	-8.70e-03	-5.20e-03	5.49e-06	0.0	-4.80e-06
5400	108	1.37	-0.61	-6.26e-03	3.53e-04	5.48e-06	-1.51e-04
5400	111	-1.38	0.59	-4.14e-03	-3.42e-04	-5.45e-06	1.42e-04

5400	129	-0.34	-2.71	-4.62e-03	1.55e-03	4.11e-06	-1.21e-04
5400	140	1.54	-0.69	-6.39e-03	3.98e-04	6.17e-06	-1.70e-04
5400	143	-1.56	0.67	-4.01e-03	-3.87e-04	-6.15e-06	1.60e-04
5400	161	-0.38	-3.06	-4.54e-03	1.75e-03	4.65e-06	-1.36e-04
5400	175	-1.49	0.66	-4.11e-03	-3.85e-04	-6.11e-06	1.59e-04
5400	188	1.02	2.14	-6.30e-03	-1.22e-03	0.0	1.41e-05
5400	193	-0.38	-3.05	-4.53e-03	1.75e-03	4.71e-06	-1.38e-04
5400	207	-1.72	0.78	-3.96e-03	-4.55e-04	-7.16e-06	1.87e-04
5400	220	1.18	2.50	-6.48e-03	-1.43e-03	0.0	1.85e-05
5400	225	-0.44	-3.58	-4.42e-03	2.05e-03	5.62e-06	-1.64e-04
5401	4	0.83	1.22	-2.93	8.95e-04	0.0	-1.41e-04
5401	44	0.76	-4.93	-2.18	-2.60e-03	0.0	4.70e-04
5401	52	0.85	-0.57	-2.74	1.11e-04	0.0	0.0
5401	68	0.59	0.79	-2.09	6.01e-04	0.0	-9.47e-05
5401	88	0.55	-3.31	-1.59	-1.73e-03	0.0	3.13e-04
5401	92	0.60	-0.40	-1.97	7.91e-05	0.0	0.0
5401	98	0.52	-0.34	-1.72	6.68e-05	0.0	-1.30e-06
5401	105	0.50	-0.91	-1.62	-2.95e-04	0.0	6.14e-05
5401	107	0.50	-0.32	-1.66	6.43e-05	0.0	-1.41e-06
5401	112	14.51	-2.71	-2.62	-5.03e-05	0.0	-6.09e-04
5401	124	0.11	8.13	-3.70	1.75e-04	0.0	5.63e-05
5401	129	8.32	-11.76	0.09	-4.89e-05	0.0	-3.92e-04
5401	144	16.29	-3.02	-2.74	-6.47e-05	0.0	-6.86e-04
5401	156	0.04	9.19	-3.96	1.89e-04	0.0	6.41e-05
5401	161	9.35	-13.20	0.31	-6.32e-05	0.0	-4.42e-04
5401	176	16.41	-2.99	-2.68	-6.11e-05	0.0	-6.76e-04
5401	188	-0.03	9.14	-3.92	1.87e-04	0.0	6.60e-05
5401	193	9.62	-13.14	0.30	-6.39e-05	0.0	-4.43e-04
5401	216	19.47	-4.12	-2.76	1.63e-04	0.0	-8.67e-04
5401	220	-0.19	10.72	-4.28	2.07e-04	0.0	8.09e-05
5401	225	11.44	-15.33	0.62	-8.61e-05	0.0	-5.27e-04
5402	4	0.84	1.13	-2.79	8.29e-04	0.0	-1.83e-04
5402	44	0.77	-4.64	-2.05	-2.40e-03	0.0	6.10e-04
5402	52	0.85	-0.57	-2.61	1.08e-04	0.0	0.0
5402	68	0.60	0.73	-1.99	5.58e-04	0.0	-1.22e-04
5402	88	0.55	-3.12	-1.49	-1.59e-03	0.0	4.07e-04
5402	92	0.61	-0.40	-1.87	7.65e-05	0.0	0.0
5402	98	0.52	-0.34	-1.63	6.47e-05	0.0	-1.16e-06
5402	105	0.50	-0.88	-1.53	-2.70e-04	0.0	8.02e-05
5402	107	0.50	-0.32	-1.57	6.23e-05	0.0	-1.28e-06
5402	112	14.51	-3.04	-2.57	-5.17e-05	0.0	-5.78e-04
5402	124	0.11	8.09	-3.65	1.82e-04	0.0	3.81e-05
5402	129	8.33	-11.92	0.18	-6.03e-05	0.0	-3.53e-04
5402	144	16.30	-3.39	-2.70	-6.60e-05	0.0	-6.51e-04
5402	156	0.05	9.15	-3.91	1.97e-04	0.0	4.34e-05
5402	161	9.35	-13.39	0.40	-7.58e-05	0.0	-3.99e-04
5402	176	16.42	-3.36	-2.64	-6.24e-05	0.0	-6.43e-04
5402	188	-0.03	9.10	-3.87	1.95e-04	0.0	4.29e-05
5402	193	9.62	-13.33	0.39	-7.63e-05	0.0	-3.98e-04
5402	216	19.48	-4.59	-2.75	1.61e-04	0.0	-8.32e-04
5402	220	-0.18	10.69	-4.24	2.17e-04	0.0	5.25e-05
5402	225	11.45	-15.56	0.71	-1.00e-04	0.0	-4.73e-04
5403	4	0.84	1.00	-2.63	7.01e-04	0.0	-2.59e-04
5403	44	0.77	-4.22	-1.89	-1.99e-03	0.0	8.64e-04
5403	52	0.86	-0.57	-2.44	1.03e-04	0.0	0.0
5403	68	0.60	0.64	-1.87	4.72e-04	0.0	-1.73e-04
5403	88	0.55	-2.83	-1.38	-1.32e-03	0.0	5.75e-04
5403	92	0.61	-0.40	-1.75	7.32e-05	0.0	0.0
5403	98	0.52	-0.34	-1.52	6.18e-05	0.0	-1.02e-06
5403	105	0.50	-0.82	-1.43	-2.18e-04	0.0	1.14e-04
5403	107	0.51	-0.33	-1.47	5.96e-05	0.0	-1.14e-06
5403	112	14.52	-3.35	-2.52	-2.38e-05	0.0	-5.33e-04
5403	124	0.11	8.00	-3.58	1.21e-04	0.0	-3.41e-04
5403	129	8.33	-12.01	0.29	-3.77e-06	0.0	5.81e-05
5403	144	16.30	-3.74	-2.65	-3.43e-05	0.0	-6.00e-04
5403	156	0.05	9.05	-3.85	1.29e-04	0.0	-3.84e-04
5403	161	9.36	-13.49	0.51	-1.18e-05	0.0	6.47e-05
5403	176	16.43	-3.70	-2.58	-3.31e-05	0.0	-5.94e-04
5403	188	-0.03	9.01	-3.80	1.27e-04	0.0	-3.75e-04
5403	193	9.62	-13.43	0.50	-1.20e-05	0.0	5.41e-05
5403	216	19.48	-5.05	-2.73	1.13e-04	0.0	-7.81e-04
5403	220	-0.18	10.58	-4.18	1.38e-04	0.0	-4.36e-04
5403	225	11.45	-15.70	0.82	-2.47e-05	0.0	5.64e-05
5404	4	0.77	0.77	-2.92	9.15e-04	0.0	-9.36e-05
5404	44	0.69	-3.62	-2.18	-2.66e-03	0.0	3.23e-04

5404	52	0.78	-0.62	-2.74	1.11e-04	0.0	2.45e-06
5404	68	0.55	0.48	-2.09	6.15e-04	0.0	-6.27e-05
5404	88	0.50	-2.44	-1.59	-1.77e-03	0.0	2.15e-04
5404	92	0.55	-0.44	-1.97	7.92e-05	0.0	1.32e-06
5404	98	0.47	-0.37	-1.72	6.69e-05	0.0	0.0
5404	105	0.45	-0.76	-1.62	-3.04e-04	0.0	4.29e-05
5404	107	0.45	-0.36	-1.66	6.44e-05	0.0	0.0
5404	112	14.47	-2.69	-2.62	-5.68e-05	0.0	-6.06e-04
5404	124	0.06	8.04	-3.70	1.88e-04	0.0	5.19e-05
5404	129	8.28	-11.71	0.09	-6.15e-05	0.0	-3.83e-04
5404	144	16.26	-2.99	-2.74	-7.20e-05	0.0	-6.82e-04
5404	156	-3.73e-03	9.10	-3.96	2.03e-04	0.0	5.89e-05
5404	161	9.31	-13.15	0.31	-7.75e-05	0.0	-4.32e-04
5404	176	16.38	-2.96	-2.68	-6.79e-05	0.0	-6.72e-04
5404	188	-0.08	9.05	-3.92	2.01e-04	0.0	6.04e-05
5404	193	9.58	-13.08	0.30	-7.81e-05	0.0	-4.33e-04
5404	216	19.42	-4.11	-2.76	1.70e-04	0.0	-8.65e-04
5404	220	-0.23	10.62	-4.28	2.24e-04	0.0	7.39e-05
5404	225	11.40	-15.27	0.62	-1.03e-04	0.0	-5.15e-04
5405	4	0.77	0.72	-2.79	8.28e-04	0.0	-1.00e-04
5405	44	0.69	-3.45	-2.05	-2.39e-03	0.0	3.48e-04
5405	52	0.78	-0.62	-2.61	1.08e-04	0.0	3.37e-06
5405	68	0.55	0.45	-1.99	5.57e-04	0.0	-6.70e-05
5405	88	0.50	-2.32	-1.49	-1.59e-03	0.0	2.32e-04
5405	92	0.56	-0.44	-1.87	7.67e-05	0.0	1.98e-06
5405	98	0.47	-0.37	-1.63	6.48e-05	0.0	0.0
5405	105	0.46	-0.74	-1.53	-2.70e-04	0.0	4.67e-05
5405	107	0.46	-0.36	-1.57	6.24e-05	0.0	0.0
5405	112	14.47	-3.02	-2.57	-5.05e-05	0.0	-5.91e-04
5405	124	0.06	8.01	-3.65	1.80e-04	0.0	4.36e-05
5405	129	8.28	-11.87	0.18	-5.81e-05	0.0	-3.64e-04
5405	144	16.26	-3.36	-2.70	-6.46e-05	0.0	-6.66e-04
5405	156	-2.93e-03	9.06	-3.91	1.95e-04	0.0	4.94e-05
5405	161	9.31	-13.33	0.40	-7.33e-05	0.0	-4.11e-04
5405	176	16.38	-3.33	-2.64	-6.12e-05	0.0	-6.57e-04
5405	188	-0.08	9.01	-3.87	1.93e-04	0.0	5.00e-05
5405	193	9.58	-13.27	0.39	-7.38e-05	0.0	-4.12e-04
5405	216	19.43	-4.59	-2.75	1.60e-04	0.0	-8.49e-04
5405	220	-0.23	10.58	-4.24	2.14e-04	0.0	6.10e-05
5405	225	11.40	-15.49	0.71	-9.75e-05	0.0	-4.90e-04
5406	4	0.77	0.65	-2.63	7.02e-04	0.0	-1.33e-04
5406	44	0.70	-3.22	-1.89	-1.99e-03	0.0	4.61e-04
5406	52	0.78	-0.62	-2.44	1.03e-04	0.0	4.41e-06
5406	68	0.55	0.41	-1.87	4.73e-04	0.0	-8.86e-05
5406	88	0.50	-2.17	-1.38	-1.32e-03	0.0	3.07e-04
5406	92	0.56	-0.44	-1.75	7.34e-05	0.0	2.73e-06
5406	98	0.47	-0.37	-1.52	6.20e-05	0.0	1.51e-06
5406	105	0.46	-0.71	-1.43	-2.18e-04	0.0	6.22e-05
5406	107	0.46	-0.36	-1.47	5.98e-05	0.0	1.25e-06
5406	112	14.48	-3.34	-2.52	-2.45e-05	0.0	-5.67e-04
5406	124	0.06	7.94	-3.58	1.24e-04	0.0	4.05e-05
5406	129	8.28	-12.00	0.29	-5.99e-06	0.0	-3.45e-04
5406	144	16.26	-3.72	-2.65	-3.51e-05	0.0	-6.39e-04
5406	156	-2.54e-03	8.99	-3.85	1.32e-04	0.0	4.56e-05
5406	161	9.31	-13.47	0.51	-1.43e-05	0.0	-3.89e-04
5406	176	16.39	-3.69	-2.58	-3.38e-05	0.0	-6.31e-04
5406	188	-0.08	8.94	-3.80	1.30e-04	0.0	4.39e-05
5406	193	9.58	-13.42	0.50	-1.45e-05	0.0	-3.88e-04
5406	216	19.43	-5.05	-2.73	1.15e-04	0.0	-8.22e-04
5406	220	-0.23	10.51	-4.18	1.41e-04	0.0	5.25e-05
5406	225	11.41	-15.67	0.82	-2.77e-05	0.0	-4.60e-04
5407	4	0.71	0.29	-2.92	-3.38e-04	-1.84e-04	1.75e-05
5407	44	0.63	-2.24	-2.18	-1.63e-04	-1.77e-04	-3.70e-05
5407	52	0.72	-0.68	-2.74	-2.83e-04	-1.88e-04	5.02e-06
5407	68	0.50	0.17	-2.09	-2.41e-04	-1.33e-04	1.14e-05
5407	88	0.45	-1.52	-1.59	-1.24e-04	-1.29e-04	-2.50e-05
5407	92	0.51	-0.48	-1.97	-2.04e-04	-1.36e-04	3.08e-06
5407	98	0.43	-0.40	-1.72	-1.87e-04	-1.21e-04	1.73e-06
5407	105	0.41	-0.61	-1.62	-1.68e-04	-1.18e-04	-4.01e-06
5407	107	0.42	-0.39	-1.66	-1.80e-04	-1.17e-04	1.40e-06
5407	112	14.44	-2.66	-2.62	-5.06e-04	-1.98e-04	-6.23e-04
5407	124	0.02	7.94	-3.70	-8.48e-04	-9.37e-05	6.79e-05
5407	129	8.25	-11.65	0.09	3.79e-04	-1.97e-04	-4.07e-04
5407	144	16.23	-2.96	-2.74	-5.46e-04	-2.08e-04	-7.02e-04
5407	156	-0.04	8.99	-3.96	-9.31e-04	-9.07e-05	7.69e-05

5407	161	9.28	-13.07	0.31	4.49e-04	-2.07e-04	-4.60e-04
5407	176	16.35	-2.93	-2.68	-5.29e-04	-2.05e-04	-6.90e-04
5407	188	-0.12	8.94	-3.92	-9.19e-04	-9.00e-05	7.94e-05
5407	193	9.54	-13.00	0.30	4.44e-04	-2.07e-04	-4.61e-04
5407	216	19.38	-4.10	-2.76	-5.86e-04	-2.32e-04	-8.87e-04
5407	220	-0.27	10.50	-4.28	-1.04e-03	-8.47e-05	9.64e-05
5407	225	11.37	-15.17	0.62	5.47e-04	-2.23e-04	-5.49e-04
5408	4	0.71	0.30	-2.79	-3.31e-04	-2.37e-04	2.92e-06
5408	44	0.63	-2.24	-2.05	-1.56e-04	-2.29e-04	1.97e-05
5408	52	0.72	-0.68	-2.61	-2.76e-04	-2.41e-04	6.93e-06
5408	68	0.50	0.17	-1.99	-2.36e-04	-1.73e-04	1.77e-06
5408	88	0.45	-1.53	-1.49	-1.19e-04	-1.68e-04	1.30e-05
5408	92	0.51	-0.48	-1.87	-1.99e-04	-1.76e-04	4.45e-06
5408	98	0.43	-0.40	-1.63	-1.81e-04	-1.60e-04	2.92e-06
5408	105	0.41	-0.61	-1.53	-1.63e-04	-1.56e-04	4.48e-06
5408	107	0.41	-0.39	-1.57	-1.75e-04	-1.55e-04	2.55e-06
5408	112	14.44	-3.00	-2.57	-5.11e-04	-2.55e-04	-6.09e-04
5408	124	0.02	7.92	-3.65	-8.50e-04	-1.36e-04	5.68e-05
5408	129	8.24	-11.82	0.18	3.85e-04	-2.44e-04	-3.86e-04
5408	144	16.23	-3.34	-2.70	-5.53e-04	-2.68e-04	-6.86e-04
5408	156	-0.05	8.97	-3.91	-9.35e-04	-1.33e-04	6.41e-05
5408	161	9.27	-13.27	0.40	4.55e-04	-2.56e-04	-4.36e-04
5408	176	16.35	-3.30	-2.64	-5.35e-04	-2.65e-04	-6.76e-04
5408	188	-0.12	8.92	-3.87	-9.22e-04	-1.32e-04	6.59e-05
5408	193	9.54	-13.21	0.39	4.51e-04	-2.56e-04	-4.37e-04
5408	216	19.38	-4.58	-2.75	-5.94e-04	-2.99e-04	-8.71e-04
5408	220	-0.27	10.48	-4.24	-1.04e-03	-1.27e-04	8.00e-05
5408	225	11.36	-15.42	0.71	5.54e-04	-2.75e-04	-5.20e-04
5409	4	0.70	0.30	-2.63	-3.24e-04	-2.80e-04	-5.16e-06
5409	44	0.63	-2.22	-1.89	-1.49e-04	-2.71e-04	5.51e-05
5409	52	0.71	-0.67	-2.44	-2.69e-04	-2.84e-04	8.90e-06
5409	68	0.50	0.17	-1.87	-2.31e-04	-2.05e-04	-3.51e-06
5409	88	0.45	-1.51	-1.38	-1.14e-04	-1.99e-04	3.66e-05
5409	92	0.51	-0.48	-1.75	-1.94e-04	-2.08e-04	5.86e-06
5409	98	0.43	-0.40	-1.52	-1.76e-04	-1.91e-04	4.15e-06
5409	105	0.41	-0.60	-1.43	-1.57e-04	-1.88e-04	1.01e-05
5409	107	0.41	-0.39	-1.47	-1.69e-04	-1.87e-04	3.75e-06
5409	112	14.44	-3.33	-2.52	-5.17e-04	-2.97e-04	-5.98e-04
5409	124	0.02	7.88	-3.58	-8.53e-04	-1.69e-04	5.04e-05
5409	129	8.24	-11.98	0.29	3.91e-04	-2.81e-04	-3.71e-04
5409	144	16.22	-3.71	-2.65	-5.60e-04	-3.11e-04	-6.74e-04
5409	156	-0.05	8.92	-3.85	-9.39e-04	-1.67e-04	5.67e-05
5409	161	9.27	-13.45	0.51	4.62e-04	-2.93e-04	-4.19e-04
5409	176	16.35	-3.67	-2.59	-5.41e-04	-3.08e-04	-6.64e-04
5409	188	-0.12	8.88	-3.81	-9.26e-04	-1.66e-04	5.78e-05
5409	193	9.53	-13.40	0.50	4.57e-04	-2.94e-04	-4.20e-04
5409	216	19.37	-5.06	-2.73	-6.02e-04	-3.46e-04	-8.59e-04
5409	220	-0.27	10.44	-4.18	-1.05e-03	-1.61e-04	7.00e-05
5409	225	11.36	-15.64	0.82	5.61e-04	-3.14e-04	-5.00e-04
5410	4	0.77	0.70	-3.13	4.10e-04	0.0	3.02e-04
5410	28	0.79	-2.28	-2.80	-6.09e-04	0.0	-5.54e-04
5410	44	0.71	-3.34	-2.37	-1.08e-03	0.0	-9.37e-04
5410	68	0.55	0.44	-2.22	2.77e-04	0.0	2.02e-04
5410	80	0.56	-1.55	-2.00	-4.03e-04	0.0	-3.69e-04
5410	88	0.51	-2.25	-1.72	-7.18e-04	0.0	-6.24e-04
5410	98	0.48	-0.36	-1.82	4.97e-05	0.0	1.00e-05
5410	105	0.46	-0.71	-1.72	-1.07e-04	0.0	-1.17e-04
5410	107	0.46	-0.34	-1.75	4.77e-05	0.0	9.38e-06
5410	112	14.45	-1.02	-2.58	-6.12e-05	0.0	-6.22e-04
5410	124	0.07	7.99	-3.61	-1.42e-04	0.0	1.56e-04
5410	129	8.27	-10.60	-0.11	2.25e-04	0.0	-4.85e-04
5410	144	16.23	-1.11	-2.68	-7.49e-05	0.0	-7.02e-04
5410	156	2.30e-03	9.04	-3.84	-1.65e-04	0.0	1.75e-04
5410	161	9.30	-11.90	0.10	2.47e-04	0.0	-5.48e-04
5410	176	16.36	-1.11	-2.65	-7.38e-05	0.0	-6.87e-04
5410	188	-0.07	8.95	-3.80	-1.62e-04	0.0	1.79e-04
5410	193	9.57	-11.81	0.08	2.44e-04	0.0	-5.50e-04
5410	216	19.41	-1.70	-2.64	-2.33e-05	0.0	-8.78e-04
5410	220	-0.22	10.49	-4.13	-1.96e-04	0.0	2.12e-04
5410	225	11.39	-13.75	0.38	2.75e-04	0.0	-6.53e-04
5411	4	0.78	0.88	-3.13	5.85e-04	0.0	2.78e-04
5411	28	0.79	-2.61	-2.79	-9.34e-04	0.0	-5.09e-04
5411	44	0.71	-3.88	-2.37	-1.63e-03	0.0	-8.61e-04
5411	68	0.55	0.56	-2.22	3.94e-04	0.0	1.85e-04
5411	80	0.56	-1.76	-2.00	-6.19e-04	0.0	-3.39e-04

5411	88	0.51	-2.61	-1.72	-1.08e-03	0.0	-5.74e-04
5411	98	0.48	-0.35	-1.83	5.52e-05	0.0	9.20e-06
5411	105	0.46	-0.78	-1.73	-1.76e-04	0.0	-1.08e-04
5411	107	0.46	-0.34	-1.76	5.30e-05	0.0	8.61e-06
5411	112	14.45	-1.35	-2.59	-4.22e-05	0.0	-6.10e-04
5411	124	0.07	8.04	-3.65	-4.85e-05	0.0	1.27e-04
5411	129	8.28	-10.85	-0.09	1.47e-04	0.0	-4.51e-04
5411	144	16.24	-1.48	-2.69	-5.41e-05	0.0	-6.88e-04
5411	156	5.31e-03	9.09	-3.89	-6.12e-05	0.0	1.42e-04
5411	161	9.30	-12.17	0.12	1.58e-04	0.0	-5.09e-04
5411	176	16.36	-1.47	-2.65	-5.37e-05	0.0	-6.75e-04
5411	188	-0.07	9.01	-3.85	-5.93e-05	0.0	1.46e-04
5411	193	9.57	-12.09	0.11	1.55e-04	0.0	-5.11e-04
5411	216	19.41	-2.17	-2.66	2.93e-05	0.0	-8.65e-04
5411	220	-0.22	10.57	-4.19	-7.76e-05	0.0	1.73e-04
5411	225	11.39	-14.08	0.42	1.72e-04	0.0	-6.08e-04
5412	4	0.79	1.03	-3.10	7.20e-04	0.0	2.63e-04
5412	28	0.80	-2.89	-2.75	-1.18e-03	0.0	-4.81e-04
5412	44	0.72	-4.37	-2.34	-2.04e-03	0.0	-8.14e-04
5412	68	0.56	0.66	-2.21	4.84e-04	0.0	1.76e-04
5412	80	0.57	-1.95	-1.98	-7.82e-04	0.0	-3.20e-04
5412	88	0.51	-2.94	-1.70	-1.36e-03	0.0	-5.42e-04
5412	98	0.48	-0.34	-1.82	6.11e-05	0.0	9.02e-06
5412	105	0.47	-0.84	-1.72	-2.26e-04	0.0	-1.02e-04
5412	107	0.47	-0.33	-1.76	5.87e-05	0.0	8.43e-06
5412	112	14.46	-1.67	-2.61	-2.00e-05	0.0	-5.99e-04
5412	124	0.07	8.06	-3.69	0.0	0.0	1.04e-04
5412	129	8.28	-11.06	-0.06	1.14e-04	0.0	-4.23e-04
5412	144	16.25	-1.84	-2.71	-2.99e-05	0.0	-6.76e-04
5412	156	9.37e-03	9.11	-3.93	-8.13e-06	0.0	1.17e-04
5412	161	9.31	-12.41	0.15	1.21e-04	0.0	-4.78e-04
5412	176	16.37	-1.83	-2.67	-2.94e-05	0.0	-6.63e-04
5412	188	-0.07	9.04	-3.89	-6.77e-06	0.0	1.20e-04
5412	193	9.58	-12.33	0.14	1.18e-04	0.0	-4.79e-04
5412	216	19.42	-2.63	-2.71	5.16e-05	0.0	-8.53e-04
5412	220	-0.22	10.60	-4.23	-1.73e-05	0.0	1.43e-04
5412	225	11.40	-14.38	0.45	1.27e-04	0.0	-5.71e-04
5413	4	0.56	1.11	-2.52	3.78e-04	0.0	4.24e-04
5413	28	0.57	-2.27	-2.14	-5.89e-04	0.0	-9.10e-04
5413	44	0.51	-3.54	-1.78	-1.04e-03	0.0	-1.50e-03
5413	68	0.39	0.73	-1.79	2.54e-04	0.0	2.81e-04
5413	80	0.40	-1.52	-1.54	-3.91e-04	0.0	-6.08e-04
5413	88	0.36	-2.37	-1.30	-6.91e-04	0.0	-1.00e-03
5413	98	0.34	-0.16	-1.45	4.10e-05	0.0	-1.42e-05
5413	105	0.32	-0.59	-1.36	-1.08e-04	0.0	-2.11e-04
5413	107	0.32	-0.16	-1.40	3.90e-05	0.0	-1.38e-05
5413	112	14.19	8.01	-2.95	-1.39e-04	0.0	-3.13e-04
5413	136	8.18	10.97	-3.67	-2.36e-04	0.0	1.42e-04
5413	139	-7.53	-11.29	0.87	3.14e-04	0.0	-1.69e-04
5413	144	15.96	9.04	-3.15	-1.61e-04	0.0	-3.51e-04
5413	168	9.21	12.38	-3.96	-2.71e-04	0.0	1.60e-04
5413	171	-8.56	-12.69	1.15	3.49e-04	0.0	-1.87e-04
5413	176	16.08	8.92	-3.11	-1.57e-04	0.0	-3.49e-04
5413	200	9.48	12.34	-3.94	-2.69e-04	0.0	1.46e-04
5413	203	-8.83	-12.65	1.13	3.47e-04	0.0	-1.74e-04
5413	216	19.12	11.15	-3.51	-2.24e-04	0.0	-5.03e-04
5413	232	11.31	14.50	-4.37	-3.22e-04	0.0	1.64e-04
5413	235	-10.66	-14.81	1.56	4.00e-04	0.0	-1.92e-04
5414	4	0.56	1.36	-2.67	5.56e-04	0.0	3.57e-04
5414	44	0.51	-4.43	-1.92	-1.62e-03	0.0	-1.28e-03
5414	52	0.57	-0.31	-2.48	7.57e-05	0.0	-2.37e-05
5414	68	0.40	0.90	-1.90	3.73e-04	0.0	2.37e-04
5414	88	0.36	-2.96	-1.41	-1.08e-03	0.0	-8.56e-04
5414	92	0.41	-0.22	-1.78	5.29e-05	0.0	-1.70e-05
5414	98	0.34	-0.17	-1.56	4.28e-05	0.0	-1.49e-05
5414	105	0.33	-0.72	-1.46	-1.84e-04	0.0	-1.82e-04
5414	107	0.33	-0.16	-1.50	4.07e-05	0.0	-1.44e-05
5414	112	14.22	7.79	-2.96	-3.99e-05	0.0	-3.72e-04
5414	136	8.19	10.99	-3.72	-1.04e-04	0.0	6.70e-05
5414	139	-7.54	-11.32	0.71	1.85e-04	0.0	-9.59e-05
5414	144	15.99	8.80	-3.15	-5.01e-05	0.0	-4.17e-04
5414	168	9.23	12.40	-4.00	-1.22e-04	0.0	7.63e-05
5414	171	-8.57	-12.72	0.99	2.04e-04	0.0	-1.05e-04
5414	176	16.11	8.68	-3.11	-4.84e-05	0.0	-4.12e-04
5414	200	9.49	12.35	-3.97	-1.22e-04	0.0	6.49e-05

5414	203	-8.84	-12.67	0.97	2.03e-04	0.0	-9.37e-05
5414	216	19.16	10.82	-3.48	-1.09e-04	0.0	-5.72e-04
5414	232	11.33	14.50	-4.39	-1.50e-04	0.0	7.07e-05
5414	235	-10.68	-14.83	1.39	2.31e-04	0.0	-9.95e-05
5415	4	0.57	1.56	-2.79	6.83e-04	0.0	2.71e-04
5415	44	0.52	-5.16	-2.05	-2.04e-03	0.0	-9.99e-04
5415	52	0.58	-0.33	-2.61	7.71e-05	0.0	-2.45e-05
5415	68	0.41	1.03	-2.00	4.58e-04	0.0	1.79e-04
5415	88	0.37	-3.45	-1.50	-1.36e-03	0.0	-6.68e-04
5415	92	0.41	-0.23	-1.87	5.39e-05	0.0	-1.76e-05
5415	98	0.35	-0.18	-1.64	4.37e-05	0.0	-1.54e-05
5415	105	0.33	-0.82	-1.55	-2.39e-04	0.0	-1.45e-04
5415	107	0.33	-0.17	-1.59	4.16e-05	0.0	-1.49e-05
5415	112	14.24	7.53	-2.95	1.14e-05	0.0	-5.42e-04
5415	136	8.20	10.93	-3.74	-3.85e-05	0.0	-3.53e-04
5415	139	-7.54	-11.27	0.56	1.22e-04	0.0	3.23e-04
5415	144	16.01	8.50	-3.12	7.79e-06	0.0	-6.08e-04
5415	168	9.24	12.33	-4.01	-4.85e-05	0.0	-3.96e-04
5415	171	-8.57	-12.68	0.83	1.32e-04	0.0	3.67e-04
5415	176	16.13	8.39	-3.08	9.52e-06	0.0	-5.98e-04
5415	200	9.51	12.27	-3.99	-4.76e-05	0.0	-3.95e-04
5415	203	-8.84	-12.62	0.81	1.31e-04	0.0	3.65e-04
5415	216	19.18	10.42	-3.42	-4.87e-05	0.0	-7.83e-04
5415	232	11.35	14.41	-4.39	-6.28e-05	0.0	-4.65e-04
5415	235	-10.68	-14.76	1.22	1.46e-04	0.0	4.35e-04
5416	4	0.64	0.92	-2.52	3.78e-04	0.0	2.73e-04
5416	28	0.65	-1.98	-2.14	-5.89e-04	0.0	-6.18e-04
5416	44	0.58	-3.03	-1.78	-1.04e-03	0.0	-1.01e-03
5416	68	0.45	0.61	-1.79	2.54e-04	0.0	1.81e-04
5416	80	0.46	-1.33	-1.54	-3.91e-04	0.0	-4.14e-04
5416	88	0.42	-2.03	-1.30	-6.91e-04	0.0	-6.76e-04
5416	98	0.39	-0.19	-1.46	4.11e-05	0.0	-1.61e-05
5416	105	0.38	-0.54	-1.36	-1.08e-04	0.0	-1.47e-04
5416	107	0.38	-0.18	-1.40	3.90e-05	0.0	-1.56e-05
5416	112	14.31	8.08	-2.96	-1.38e-04	0.0	-3.89e-04
5416	136	8.26	11.09	-3.67	-2.35e-04	0.0	5.38e-05
5416	139	-7.51	-11.44	0.87	3.13e-04	0.0	-8.50e-05
5416	144	16.09	9.12	-3.15	-1.60e-04	0.0	-4.36e-04
5416	168	9.30	12.52	-3.96	-2.69e-04	0.0	6.16e-05
5416	171	-8.55	-12.87	1.15	3.47e-04	0.0	-9.28e-05
5416	176	16.21	9.00	-3.11	-1.56e-04	0.0	-4.31e-04
5416	200	9.57	12.47	-3.94	-2.68e-04	0.0	5.08e-05
5416	203	-8.82	-12.82	1.13	3.46e-04	0.0	-8.20e-05
5416	216	19.25	11.26	-3.52	-2.23e-04	0.0	-5.93e-04
5416	232	11.41	14.66	-4.37	-3.20e-04	0.0	5.48e-05
5416	235	-10.66	-15.01	1.56	3.99e-04	0.0	-8.60e-05
5417	4	0.64	1.08	-2.67	5.53e-04	0.0	2.50e-04
5417	28	0.65	-2.34	-2.29	-9.31e-04	0.0	-5.71e-04
5417	44	0.58	-3.63	-1.92	-1.61e-03	0.0	-9.33e-04
5417	68	0.46	0.71	-1.90	3.71e-04	0.0	1.65e-04
5417	80	0.46	-1.57	-1.65	-6.18e-04	0.0	-3.82e-04
5417	88	0.42	-2.43	-1.41	-1.07e-03	0.0	-6.23e-04
5417	98	0.39	-0.19	-1.56	4.28e-05	0.0	-1.59e-05
5417	105	0.38	-0.63	-1.46	-1.83e-04	0.0	-1.37e-04
5417	107	0.38	-0.18	-1.50	4.08e-05	0.0	-1.54e-05
5417	112	14.31	7.81	-2.96	-4.09e-05	0.0	-4.16e-04
5417	136	8.27	11.04	-3.72	-1.05e-04	0.0	3.21e-05
5417	139	-7.51	-11.41	0.71	1.87e-04	0.0	-6.29e-05
5417	144	16.09	8.82	-3.15	-5.11e-05	0.0	-4.67e-04
5417	168	9.30	12.45	-4.00	-1.24e-04	0.0	3.75e-05
5417	171	-8.55	-12.82	0.99	2.05e-04	0.0	-6.83e-05
5417	176	16.21	8.71	-3.11	-4.94e-05	0.0	-4.61e-04
5417	200	9.57	12.41	-3.97	-1.24e-04	0.0	2.82e-05
5417	203	-8.82	-12.77	0.97	2.05e-04	0.0	-5.90e-05
5417	216	19.25	10.87	-3.48	-1.10e-04	0.0	-6.24e-04
5417	232	11.41	14.58	-4.39	-1.52e-04	0.0	2.95e-05
5417	235	-10.66	-14.95	1.39	2.34e-04	0.0	-6.03e-05
5418	4	0.65	1.22	-2.79	6.87e-04	0.0	2.36e-04
5418	44	0.59	-4.15	-2.05	-2.05e-03	0.0	-8.85e-04
5418	52	0.66	-0.36	-2.61	7.72e-05	0.0	-2.51e-05
5418	68	0.46	0.80	-2.00	4.60e-04	0.0	1.56e-04
5418	88	0.42	-2.78	-1.50	-1.36e-03	0.0	-5.91e-04
5418	92	0.47	-0.25	-1.87	5.39e-05	0.0	-1.81e-05
5418	98	0.40	-0.20	-1.64	4.37e-05	0.0	-1.58e-05
5418	105	0.38	-0.71	-1.55	-2.41e-04	0.0	-1.30e-04

5418	107	0.38	-0.19	-1.59	4.16e-05	0.0	-1.53e-05
5418	112	14.32	7.52	-2.94	1.24e-05	0.0	-5.49e-04
5418	136	8.27	10.94	-3.74	-3.62e-05	0.0	-3.58e-04
5418	139	-7.51	-11.33	0.56	1.19e-04	0.0	3.28e-04
5418	144	16.10	8.50	-3.11	8.93e-06	0.0	-6.17e-04
5418	168	9.31	12.35	-4.01	-4.60e-05	0.0	-4.02e-04
5418	171	-8.55	-12.74	0.83	1.29e-04	0.0	3.72e-04
5418	176	16.22	8.38	-3.08	1.07e-05	0.0	-6.07e-04
5418	200	9.58	12.29	-3.99	-4.51e-05	0.0	-4.00e-04
5418	203	-8.82	-12.68	0.81	1.28e-04	0.0	3.70e-04
5418	216	19.26	10.44	-3.41	-4.72e-05	0.0	-7.93e-04
5418	232	11.42	14.44	-4.39	-5.98e-05	0.0	-4.72e-04
5418	235	-10.66	-14.83	1.21	1.43e-04	0.0	4.41e-04
5419	4	0.71	0.74	-2.52	3.83e-04	0.0	1.24e-04
5419	44	0.64	-2.52	-1.78	-1.05e-03	0.0	-5.26e-04
5419	52	0.72	-0.37	-2.33	7.33e-05	0.0	-2.83e-05
5419	68	0.50	0.48	-1.79	2.57e-04	0.0	8.11e-05
5419	88	0.46	-1.69	-1.30	-7.00e-04	0.0	-3.52e-04
5419	92	0.51	-0.26	-1.67	5.12e-05	0.0	-2.04e-05
5419	98	0.43	-0.21	-1.46	4.13e-05	0.0	-1.78e-05
5419	105	0.42	-0.49	-1.36	-1.10e-04	0.0	-8.39e-05
5419	107	0.42	-0.19	-1.40	3.93e-05	0.0	-1.72e-05
5419	112	14.41	8.15	-2.96	-1.33e-04	0.0	-5.64e-04
5419	136	8.34	11.21	-3.68	-2.28e-04	0.0	-3.64e-04
5419	139	-7.50	-11.60	0.87	3.07e-04	0.0	3.30e-04
5419	144	16.20	9.20	-3.15	-1.55e-04	0.0	-6.33e-04
5419	168	9.38	12.65	-3.96	-2.62e-04	0.0	-4.09e-04
5419	171	-8.54	-13.04	1.15	3.41e-04	0.0	3.74e-04
5419	176	16.32	9.08	-3.12	-1.51e-04	0.0	-6.23e-04
5419	200	9.64	12.60	-3.94	-2.60e-04	0.0	-4.07e-04
5419	203	-8.81	-12.99	1.13	3.39e-04	0.0	3.73e-04
5419	216	19.36	11.37	-3.52	-2.18e-04	0.0	-8.11e-04
5419	232	11.49	14.82	-4.37	-3.12e-04	0.0	-4.80e-04
5419	235	-10.66	-15.21	1.57	3.91e-04	0.0	4.46e-04
5420	4	0.71	0.81	-2.67	5.52e-04	0.0	1.21e-04
5420	44	0.64	-2.82	-1.92	-1.60e-03	0.0	-5.12e-04
5420	52	0.72	-0.39	-2.48	7.59e-05	0.0	-2.71e-05
5420	68	0.50	0.53	-1.90	3.70e-04	0.0	7.93e-05
5420	88	0.46	-1.89	-1.41	-1.07e-03	0.0	-3.43e-04
5420	92	0.51	-0.27	-1.78	5.30e-05	0.0	-1.95e-05
5420	98	0.43	-0.22	-1.56	4.30e-05	0.0	-1.70e-05
5420	105	0.42	-0.54	-1.46	-1.82e-04	0.0	-8.14e-05
5420	107	0.42	-0.20	-1.50	4.09e-05	0.0	-1.65e-05
5420	112	14.41	7.83	-2.96	-4.27e-05	0.0	-5.76e-04
5420	136	8.34	11.09	-3.72	-1.09e-04	0.0	-3.69e-04
5420	139	-7.50	-11.50	0.71	1.90e-04	0.0	3.36e-04
5420	144	16.20	8.85	-3.15	-5.32e-05	0.0	-6.47e-04
5420	168	9.38	12.52	-4.00	-1.28e-04	0.0	-4.14e-04
5420	171	-8.54	-12.93	0.99	2.09e-04	0.0	3.82e-04
5420	176	16.32	8.73	-3.11	-5.14e-05	0.0	-6.37e-04
5420	200	9.65	12.47	-3.97	-1.27e-04	0.0	-4.14e-04
5420	203	-8.81	-12.88	0.97	2.09e-04	0.0	3.81e-04
5420	216	19.36	10.92	-3.48	-1.11e-04	0.0	-8.26e-04
5420	232	11.49	14.65	-4.39	-1.56e-04	0.0	-4.89e-04
5420	235	-10.66	-15.06	1.39	2.38e-04	0.0	4.56e-04
5421	4	0.71	0.88	-2.79	7.04e-04	0.0	1.29e-04
5421	44	0.64	-3.12	-2.05	-2.11e-03	0.0	-5.34e-04
5421	52	0.72	-0.40	-2.61	7.74e-05	0.0	-2.60e-05
5421	68	0.50	0.57	-2.00	4.72e-04	0.0	8.48e-05
5421	88	0.46	-2.09	-1.50	-1.40e-03	0.0	-3.57e-04
5421	92	0.51	-0.28	-1.87	5.41e-05	0.0	-1.87e-05
5421	98	0.43	-0.23	-1.64	4.39e-05	0.0	-1.63e-05
5421	105	0.42	-0.58	-1.55	-2.48e-04	0.0	-8.39e-05
5421	107	0.42	-0.21	-1.59	4.17e-05	0.0	-1.58e-05
5421	112	14.41	7.51	-2.94	1.59e-05	0.0	-5.84e-04
5421	136	8.34	10.96	-3.74	-2.53e-05	0.0	-3.73e-04
5421	139	-7.50	-11.39	0.56	1.09e-04	0.0	3.42e-04
5421	144	16.20	8.49	-3.11	1.28e-05	0.0	-6.56e-04
5421	168	9.38	12.37	-4.01	-3.37e-05	0.0	-4.19e-04
5421	171	-8.54	-12.80	0.83	1.17e-04	0.0	3.88e-04
5421	176	16.32	8.37	-3.07	1.48e-05	0.0	-6.46e-04
5421	200	9.65	12.31	-3.99	-3.25e-05	0.0	-4.19e-04
5421	203	-8.81	-12.74	0.81	1.16e-04	0.0	3.88e-04
5421	216	19.36	10.45	-3.41	-4.02e-05	0.0	-8.36e-04
5421	232	11.49	14.47	-4.39	-4.50e-05	0.0	-4.95e-04

5421	235	-10.66	-14.90	1.21	1.29e-04	0.0	4.64e-04
5422	4	0.77	0.54	-2.52	-3.39e-04	2.37e-04	-1.61e-05
5422	44	0.70	-1.98	-1.78	-1.63e-04	2.31e-04	-7.21e-05
5422	52	0.78	-0.41	-2.33	-2.84e-04	2.40e-04	-3.12e-05
5422	68	0.55	0.35	-1.79	-2.42e-04	1.75e-04	-1.24e-05
5422	88	0.50	-1.33	-1.30	-1.25e-04	1.71e-04	-4.97e-05
5422	92	0.56	-0.28	-1.67	-2.05e-04	1.77e-04	-2.24e-05
5422	98	0.47	-0.23	-1.46	-1.88e-04	1.63e-04	-1.96e-05
5422	105	0.45	-0.43	-1.36	-1.70e-04	1.61e-04	-2.48e-05
5422	107	0.45	-0.21	-1.40	-1.82e-04	1.60e-04	-1.90e-05
5422	112	14.49	8.21	-2.96	-1.38e-04	2.16e-04	-6.17e-04
5422	136	8.39	11.31	-3.68	-8.83e-04	9.25e-05	-3.97e-04
5422	139	-7.49	-11.74	0.87	5.19e-04	2.28e-04	3.59e-04
5422	144	16.28	9.27	-3.15	-1.32e-04	2.23e-04	-6.93e-04
5422	168	9.44	12.77	-3.96	-9.71e-04	8.40e-05	-4.45e-04
5422	171	-8.53	-13.20	1.15	6.06e-04	2.36e-04	4.07e-04
5422	176	16.40	9.15	-3.12	-1.44e-04	2.19e-04	-6.82e-04
5422	200	9.71	12.73	-3.94	-9.60e-04	8.56e-05	-4.46e-04
5422	203	-8.80	-13.16	1.13	5.96e-04	2.35e-04	4.08e-04
5422	216	19.43	11.48	-3.52	-7.33e-04	5.18e-05	-8.76e-04
5422	232	11.56	14.97	-4.37	-1.09e-03	7.29e-05	-5.28e-04
5422	235	-10.65	-15.40	1.57	7.26e-04	2.47e-04	4.90e-04
5423	4	0.77	0.53	-2.67	-3.46e-04	2.18e-04	-2.38e-05
5423	44	0.70	-2.02	-1.92	-1.70e-04	2.16e-04	-3.59e-05
5423	52	0.78	-0.43	-2.48	-2.91e-04	2.23e-04	-2.87e-05
5423	68	0.55	0.34	-1.90	-2.47e-04	1.60e-04	-1.73e-05
5423	88	0.50	-1.36	-1.41	-1.30e-04	1.59e-04	-2.55e-05
5423	92	0.55	-0.30	-1.78	-2.11e-04	1.63e-04	-2.06e-05
5423	98	0.47	-0.24	-1.56	-1.94e-04	1.49e-04	-1.80e-05
5423	105	0.45	-0.45	-1.46	-1.75e-04	1.47e-04	-1.87e-05
5423	107	0.45	-0.23	-1.50	-1.87e-04	1.46e-04	-1.74e-05
5423	112	14.49	7.86	-2.96	-1.52e-04	1.18e-05	-6.30e-04
5423	136	8.39	11.14	-3.72	-8.79e-04	4.81e-05	-4.09e-04
5423	139	-7.49	-11.60	0.71	5.04e-04	2.44e-04	3.74e-04
5423	144	16.28	8.88	-3.15	-1.48e-04	-5.15e-06	-7.07e-04
5423	168	9.44	12.58	-4.00	-9.65e-04	3.55e-05	-4.59e-04
5423	171	-8.53	-13.03	0.99	5.90e-04	2.57e-04	4.24e-04
5423	176	16.40	8.76	-3.11	-1.58e-04	-2.62e-06	-6.97e-04
5423	200	9.70	12.53	-3.97	-9.55e-04	3.49e-05	-4.61e-04
5423	203	-8.80	-12.98	0.97	5.81e-04	2.57e-04	4.26e-04
5423	216	19.43	10.98	-3.48	-7.23e-04	-4.41e-05	-8.92e-04
5423	232	11.56	14.73	-4.39	-1.08e-03	1.41e-05	-5.45e-04
5423	235	-10.65	-15.18	1.39	7.09e-04	2.78e-04	5.10e-04
5424	4	0.76	0.51	-2.79	-3.53e-04	1.87e-04	-3.64e-05
5424	44	0.69	-2.02	-2.05	-1.77e-04	1.87e-04	1.48e-05
5424	52	0.78	-0.44	-2.61	-2.98e-04	1.92e-04	-2.67e-05
5424	68	0.54	0.33	-2.00	-2.53e-04	1.37e-04	-2.56e-05
5424	88	0.50	-1.36	-1.50	-1.35e-04	1.36e-04	8.47e-06
5424	92	0.55	-0.31	-1.87	-2.16e-04	1.40e-04	-1.92e-05
5424	98	0.47	-0.25	-1.64	-1.99e-04	1.26e-04	-1.67e-05
5424	105	0.45	-0.45	-1.55	-1.80e-04	1.24e-04	-1.10e-05
5424	107	0.45	-0.24	-1.59	-1.92e-04	1.23e-04	-1.62e-05
5424	112	14.49	7.49	-2.94	-1.66e-04	-1.41e-05	-6.45e-04
5424	136	8.39	10.96	-3.74	-8.74e-04	2.07e-05	-4.25e-04
5424	139	-7.49	-11.43	0.56	4.89e-04	2.25e-04	3.93e-04
5424	144	16.28	8.47	-3.11	-1.63e-04	-3.14e-05	-7.25e-04
5424	168	9.43	12.37	-4.01	-9.60e-04	7.57e-06	-4.78e-04
5424	171	-8.53	-12.84	0.83	5.75e-04	2.38e-04	4.46e-04
5424	176	16.40	8.35	-3.08	-1.72e-04	-2.88e-05	-7.14e-04
5424	200	9.70	12.31	-3.99	-9.50e-04	7.02e-06	-4.80e-04
5424	203	-8.80	-12.78	0.81	5.65e-04	2.38e-04	4.48e-04
5424	216	19.43	10.46	-3.41	-7.13e-04	-7.06e-05	-9.11e-04
5424	232	11.55	14.47	-4.39	-1.08e-03	-1.45e-05	-5.68e-04
5424	235	-10.65	-14.94	1.21	6.91e-04	2.60e-04	5.36e-04
5425	4	0.75	0.49	-3.13	4.13e-04	0.0	1.54e-04
5425	44	0.68	-2.80	-2.37	-1.10e-03	0.0	-4.71e-04
5425	52	0.76	-0.64	-2.96	8.61e-05	0.0	1.01e-05
5425	68	0.53	0.30	-2.22	2.79e-04	0.0	1.03e-04
5425	88	0.49	-1.89	-1.72	-7.28e-04	0.0	-3.14e-04
5425	92	0.54	-0.45	-2.11	6.06e-05	0.0	6.77e-06
5425	98	0.46	-0.38	-1.82	4.90e-05	0.0	5.36e-06
5425	105	0.44	-0.66	-1.72	-1.10e-04	0.0	-5.89e-05
5425	107	0.44	-0.36	-1.75	4.70e-05	0.0	4.89e-06
5425	112	14.46	-1.00	-2.58	-6.27e-05	0.0	-6.12e-04
5425	124	0.05	8.06	-3.61	-1.37e-04	0.0	9.76e-05

5425	129	8.27	-10.71	-0.11	2.19e-04	0.0	-4.28e-04
5425	144	16.24	-1.08	-2.68	-7.65e-05	0.0	-6.90e-04
5425	156	-0.01	9.12	-3.84	-1.60e-04	0.0	1.10e-04
5425	161	9.30	-12.01	0.10	2.41e-04	0.0	-4.83e-04
5425	176	16.37	-1.08	-2.65	-7.55e-05	0.0	-6.77e-04
5425	188	-0.09	9.03	-3.80	-1.57e-04	0.0	1.13e-04
5425	193	9.56	-11.93	0.08	2.37e-04	0.0	-4.85e-04
5425	216	19.41	-1.68	-2.64	-1.95e-05	0.0	-8.70e-04
5425	220	-0.24	10.59	-4.13	-1.91e-04	0.0	1.36e-04
5425	225	11.39	-13.88	0.38	2.68e-04	0.0	-5.77e-04
5426	4	0.75	0.58	-3.13	5.83e-04	0.0	1.48e-04
5426	44	0.68	-3.07	-2.37	-1.62e-03	0.0	-4.59e-04
5426	52	0.76	-0.64	-2.96	9.56e-05	0.0	8.57e-06
5426	68	0.53	0.36	-2.22	3.92e-04	0.0	9.90e-05
5426	88	0.49	-2.07	-1.72	-1.08e-03	0.0	-3.06e-04
5426	92	0.54	-0.45	-2.11	6.75e-05	0.0	5.70e-06
5426	98	0.46	-0.38	-1.83	5.54e-05	0.0	4.40e-06
5426	105	0.44	-0.70	-1.73	-1.75e-04	0.0	-5.82e-05
5426	107	0.44	-0.36	-1.76	5.32e-05	0.0	3.97e-06
5426	112	14.46	-1.33	-2.59	-4.09e-05	0.0	-6.11e-04
5426	124	0.05	8.06	-3.65	-5.12e-05	0.0	8.67e-05
5426	129	8.27	-10.92	-0.09	1.50e-04	0.0	-4.17e-04
5426	144	16.25	-1.46	-2.69	-5.27e-05	0.0	-6.89e-04
5426	156	-0.01	9.12	-3.89	-6.42e-05	0.0	9.77e-05
5426	161	9.30	-12.25	0.12	1.62e-04	0.0	-4.71e-04
5426	176	16.37	-1.45	-2.65	-5.23e-05	0.0	-6.77e-04
5426	188	-0.09	9.04	-3.85	-6.24e-05	0.0	1.01e-04
5426	193	9.56	-12.16	0.11	1.59e-04	0.0	-4.73e-04
5426	216	19.41	-2.16	-2.66	2.68e-05	0.0	-8.70e-04
5426	220	-0.24	10.60	-4.19	-8.12e-05	0.0	1.21e-04
5426	225	11.39	-14.16	0.42	1.76e-04	0.0	-5.63e-04
5427	4	0.75	0.67	-3.10	7.37e-04	0.0	1.55e-04
5427	44	0.68	-3.34	-2.34	-2.10e-03	0.0	-4.83e-04
5427	52	0.77	-0.63	-2.92	1.04e-04	0.0	8.46e-06
5427	68	0.54	0.42	-2.21	4.95e-04	0.0	1.04e-04
5427	88	0.49	-2.25	-1.70	-1.40e-03	0.0	-3.22e-04
5427	92	0.54	-0.45	-2.09	7.39e-05	0.0	5.63e-06
5427	98	0.46	-0.37	-1.82	6.14e-05	0.0	4.32e-06
5427	105	0.44	-0.73	-1.72	-2.33e-04	0.0	-6.14e-05
5427	107	0.45	-0.36	-1.76	5.90e-05	0.0	3.90e-06
5427	112	14.46	-1.66	-2.61	-2.07e-05	0.0	-6.10e-04
5427	124	0.05	8.06	-3.69	8.23e-06	0.0	8.10e-05
5427	129	8.27	-11.11	-0.06	1.05e-04	0.0	-4.11e-04
5427	144	16.25	-1.83	-2.71	-3.07e-05	0.0	-6.87e-04
5427	156	-0.01	9.12	-3.93	1.94e-06	0.0	9.12e-05
5427	161	9.30	-12.46	0.15	1.11e-04	0.0	-4.64e-04
5427	176	16.37	-1.82	-2.67	-3.02e-05	0.0	-6.76e-04
5427	188	-0.09	9.04	-3.89	3.36e-06	0.0	9.41e-05
5427	193	9.56	-12.38	0.14	1.08e-04	0.0	-4.65e-04
5427	216	19.41	-2.63	-2.72	5.80e-05	0.0	-8.69e-04
5427	220	-0.24	10.61	-4.23	-5.56e-06	0.0	1.13e-04
5427	225	11.39	-14.43	0.45	1.16e-04	0.0	-5.54e-04
5428	4	0.72	0.29	-3.13	-3.73e-04	1.95e-05	1.01e-05
5428	44	0.65	-2.24	-2.38	-1.97e-04	1.70e-05	-4.14e-05
5428	52	0.73	-0.68	-2.96	-3.18e-04	1.46e-05	-1.90e-06
5428	68	0.51	0.16	-2.22	-2.67e-04	2.09e-05	6.11e-06
5428	88	0.46	-1.52	-1.72	-1.50e-04	1.92e-05	-2.82e-05
5428	92	0.52	-0.48	-2.11	-2.31e-04	1.76e-05	-1.87e-06
5428	98	0.44	-0.40	-1.82	-2.14e-04	2.92e-05	-2.56e-06
5428	105	0.42	-0.60	-1.72	-1.95e-04	3.05e-05	-7.90e-06
5428	107	0.42	-0.39	-1.75	-2.07e-04	3.17e-05	-2.74e-06
5428	112	14.45	-0.97	-2.58	-4.78e-04	1.20e-04	-6.23e-04
5428	124	0.03	8.12	-3.61	-8.35e-04	1.25e-04	6.15e-05
5428	129	8.26	-10.81	-0.11	3.49e-04	-6.23e-05	-4.07e-04
5428	144	16.24	-1.05	-2.68	-5.12e-04	1.31e-04	-7.02e-04
5428	156	-0.03	9.19	-3.84	-9.13e-04	1.37e-04	7.01e-05
5428	161	9.29	-12.12	0.10	4.18e-04	-7.41e-05	-4.59e-04
5428	176	16.37	-1.05	-2.65	-4.99e-04	1.25e-04	-6.91e-04
5428	188	-0.11	9.10	-3.80	-9.02e-04	1.34e-04	7.26e-05
5428	193	9.55	-12.03	0.08	4.12e-04	-7.25e-05	-4.61e-04
5428	216	19.39	-1.66	-2.64	-5.45e-04	-5.89e-05	-8.87e-04
5428	220	-0.26	10.67	-4.13	-1.01e-03	1.51e-04	8.91e-05
5428	225	11.38	-14.00	0.38	5.13e-04	-9.03e-05	-5.47e-04
5429	4	0.72	0.29	-3.13	-3.66e-04	-2.13e-05	1.59e-06
5429	44	0.65	-2.26	-2.37	-1.90e-04	-2.07e-05	-6.16e-06

5429	52	0.73	-0.69	-2.96	-3.11e-04	-2.63e-05	0.0
5429	68	0.51	0.17	-2.22	-2.62e-04	-9.00e-06	0.0
5429	88	0.46	-1.53	-1.72	-1.45e-04	-8.62e-06	-4.63e-06
5429	92	0.52	-0.48	-2.11	-2.25e-04	-1.24e-05	0.0
5429	98	0.44	-0.41	-1.83	-2.09e-04	1.44e-06	-1.52e-06
5429	105	0.42	-0.61	-1.73	-1.90e-04	3.46e-06	-2.40e-06
5429	107	0.42	-0.39	-1.76	-2.02e-04	4.61e-06	-1.74e-06
5429	112	14.45	-1.31	-2.59	-4.84e-04	-1.03e-04	-6.15e-04
5429	124	0.03	8.09	-3.65	-8.37e-04	4.13e-05	5.30e-05
5429	129	8.25	-10.99	-0.09	3.55e-04	-1.07e-04	-3.92e-04
5429	144	16.24	-1.44	-2.69	-5.19e-04	-1.16e-04	-6.92e-04
5429	156	-0.04	9.15	-3.89	-9.17e-04	4.61e-05	6.04e-05
5429	161	9.28	-12.32	0.12	4.24e-04	-1.22e-04	-4.42e-04
5429	176	16.36	-1.43	-2.66	-5.05e-04	-1.14e-04	-6.82e-04
5429	188	-0.11	9.07	-3.85	-9.05e-04	4.71e-05	6.22e-05
5429	193	9.55	-12.24	0.11	4.18e-04	-1.22e-04	-4.43e-04
5429	216	19.39	-2.15	-2.66	-5.53e-04	-1.52e-04	-8.77e-04
5429	220	-0.26	10.65	-4.19	-1.02e-03	5.52e-05	7.64e-05
5429	225	11.38	-14.24	0.42	5.20e-04	-1.46e-04	-5.26e-04
5430	4	0.72	0.29	-3.10	-3.59e-04	-5.47e-05	-1.15e-05
5430	44	0.64	-2.25	-2.34	-1.83e-04	-5.25e-05	4.40e-05
5430	52	0.73	-0.68	-2.92	-3.04e-04	-5.95e-05	1.29e-06
5430	68	0.51	0.16	-2.21	-2.57e-04	-3.44e-05	-8.14e-06
5430	88	0.46	-1.52	-1.71	-1.39e-04	-3.29e-05	2.89e-05
5430	92	0.52	-0.48	-2.09	-2.20e-04	-3.76e-05	0.0
5430	98	0.44	-0.41	-1.82	-2.03e-04	-2.35e-05	0.0
5430	105	0.42	-0.61	-1.72	-1.84e-04	-2.12e-05	5.02e-06
5430	107	0.42	-0.39	-1.76	-1.96e-04	-2.01e-05	0.0
5430	112	14.45	-1.65	-2.61	-4.89e-04	-1.26e-04	-6.06e-04
5430	124	0.03	8.04	-3.69	-8.40e-04	1.32e-05	4.60e-05
5430	129	8.25	-11.14	-0.06	3.61e-04	-1.28e-04	-3.78e-04
5430	144	16.24	-1.82	-2.71	-5.25e-04	-1.40e-04	-6.83e-04
5430	156	-0.04	9.10	-3.93	-9.20e-04	1.76e-05	5.24e-05
5430	161	9.28	-12.50	0.15	4.30e-04	-1.42e-04	-4.26e-04
5430	176	16.36	-1.80	-2.67	-5.11e-04	-1.37e-04	-6.73e-04
5430	188	-0.11	9.03	-3.89	-9.08e-04	1.86e-05	5.33e-05
5430	193	9.55	-12.42	0.14	4.25e-04	-1.42e-04	-4.27e-04
5430	216	19.39	-2.64	-2.72	-5.61e-04	-1.75e-04	-8.68e-04
5430	220	-0.26	10.60	-4.23	-1.02e-03	2.61e-05	6.54e-05
5430	225	11.37	-14.46	0.45	5.27e-04	-1.65e-04	-5.07e-04
5431	3	0.03	1.10	-3.01	-6.21e-04	0.0	2.82e-04
5431	4	0.03	1.10	-3.13	-6.19e-04	0.0	2.80e-04
5431	44	3.04e-03	-2.98	-2.37	2.03e-03	0.0	-1.11e-03
5431	67	0.02	0.73	-2.15	-4.13e-04	0.0	1.87e-04
5431	68	0.02	0.73	-2.22	-4.12e-04	0.0	1.85e-04
5431	88	3.57e-03	-1.99	-1.72	1.35e-03	0.0	-7.44e-04
5431	98	0.02	-0.03	-1.83	1.53e-05	0.0	-2.41e-05
5431	105	0.01	-0.42	-1.73	2.82e-04	0.0	-1.67e-04
5431	107	0.02	-0.03	-1.76	1.48e-05	0.0	-2.29e-05
5431	112	9.14	-0.82	-2.61	-5.76e-04	0.0	-5.43e-04
5431	124	-0.27	4.91	-3.66	-1.23e-03	0.0	2.28e-05
5431	129	5.16	-6.38	-0.09	1.08e-03	0.0	-3.54e-04
5431	144	10.30	-0.92	-2.71	-6.50e-04	0.0	-6.09e-04
5431	156	-0.31	5.53	-3.89	-1.39e-03	0.0	2.92e-05
5431	161	5.84	-7.18	0.12	1.21e-03	0.0	-3.97e-04
5431	176	10.38	-0.93	-2.67	-6.25e-04	0.0	-6.07e-04
5431	188	-0.36	5.48	-3.86	-1.37e-03	0.0	3.29e-05
5431	193	6.01	-7.14	0.10	1.20e-03	0.0	-4.04e-04
5431	216	12.50	-1.39	-2.67	-7.26e-04	0.0	-7.62e-04
5431	220	-0.46	6.40	-4.19	-1.60e-03	0.0	4.60e-05
5431	225	7.21	-8.35	0.41	1.40e-03	0.0	-4.79e-04
5432	4	0.04	0.90	-3.13	-4.26e-04	0.0	3.29e-04
5432	44	0.02	-2.20	-2.37	1.31e-03	0.0	-1.27e-03
5432	52	0.04	-0.03	-2.96	6.52e-06	0.0	-4.05e-05
5432	68	0.03	0.60	-2.22	-2.84e-04	0.0	2.18e-04
5432	88	0.01	-1.47	-1.72	8.72e-04	0.0	-8.49e-04
5432	92	0.03	-0.02	-2.11	4.94e-06	0.0	-2.84e-05
5432	98	0.03	-0.02	-1.82	4.37e-06	0.0	-2.35e-05
5432	105	0.02	-0.31	-1.72	1.78e-04	0.0	-1.87e-04
5432	107	0.02	-0.02	-1.75	4.40e-06	0.0	-2.24e-05
5432	112	9.18	-0.53	-2.62	-5.05e-04	0.0	-4.50e-04
5432	124	-0.26	4.93	-3.62	-1.16e-03	0.0	4.49e-05
5432	129	5.19	-6.20	-0.11	1.03e-03	0.0	-3.80e-04
5432	144	10.35	-0.59	-2.73	-5.69e-04	0.0	-5.04e-04
5432	156	-0.31	5.55	-3.86	-1.31e-03	0.0	5.41e-05

5432	161	5.87	-6.98	0.09	1.15e-03	0.0	-4.27e-04
5432	176	10.43	-0.60	-2.70	-5.45e-04	0.0	-5.01e-04
5432	188	-0.35	5.50	-3.82	-1.29e-03	0.0	5.78e-05
5432	193	6.04	-6.93	0.07	1.15e-03	0.0	-4.34e-04
5432	216	12.56	-0.97	-2.70	-6.13e-04	0.0	-6.34e-04
5432	220	-0.46	6.42	-4.16	-1.49e-03	0.0	7.53e-05
5432	225	7.25	-8.10	0.37	1.33e-03	0.0	-5.14e-04
5433	28	0.03	-0.51	-3.29	8.17e-04	-1.29e-04	1.17e-06
5433	44	0.03	-0.82	-3.10	7.88e-04	-1.02e-04	9.75e-06
5433	80	0.02	-0.34	-2.35	5.81e-04	-8.54e-05	0.0
5433	88	0.02	-0.55	-2.22	5.62e-04	-6.76e-05	6.14e-06
5433	98	0.02	-0.02	-1.94	4.64e-04	-6.36e-05	-5.80e-06
5433	105	0.02	-0.12	-1.91	4.63e-04	-5.76e-05	-3.08e-06
5433	107	0.02	-0.01	-1.88	4.48e-04	-5.79e-05	-5.53e-06
5433	113	2.63	-3.45	-2.91	8.53e-04	-3.37e-04	-2.88e-04
5433	129	-0.66	-5.14	-3.71	1.19e-03	2.33e-05	-2.21e-04
5433	145	2.95	-3.88	-3.04	9.04e-04	-3.72e-04	-3.24e-04
5433	161	-0.74	-5.78	-3.94	1.28e-03	3.38e-05	-2.50e-04
5433	177	2.79	-3.84	-3.02	8.97e-04	-3.50e-04	-3.22e-04
5433	193	-0.75	-5.76	-3.92	1.27e-03	3.56e-05	-2.52e-04
5433	209	3.18	-4.48	-3.21	9.71e-04	-3.89e-04	-3.76e-04
5433	225	-0.88	-6.76	-4.27	1.41e-03	5.16e-05	-3.00e-04
5434	4	-9.25e-03	1.25	-2.95	-1.48e-03	1.72e-06	3.22e-04
5434	19	-3.92e-03	2.17	-1.11	-2.57e-03	2.81e-06	5.45e-04
5434	28	-1.40e-03	-0.98	-3.29	9.01e-04	0.0	-1.69e-04
5434	68	-6.08e-03	0.83	-2.12	-9.85e-04	1.14e-06	2.14e-04
5434	72	-3.17e-03	1.44	-1.27	-1.70e-03	1.88e-06	3.62e-04
5434	80	-8.46e-04	-0.66	-2.35	6.04e-04	0.0	-1.13e-04
5434	98	-3.55e-03	-0.04	-1.94	4.68e-05	0.0	-4.40e-06
5434	102	-1.43e-03	0.27	-1.42	-3.15e-04	0.0	6.98e-05
5434	103	-3.62e-03	0.26	-1.84	-3.02e-04	0.0	6.88e-05
5434	107	-3.19e-03	-0.04	-1.88	4.47e-05	0.0	-4.24e-06
5434	114	-2.80	3.76	-0.84	-6.61e-04	-3.86e-06	3.07e-04
5434	129	-0.72	-5.84	-3.71	1.35e-03	1.97e-06	-2.51e-04
5434	146	-3.14	4.24	-0.72	-7.50e-04	-4.34e-06	3.47e-04
5434	161	-0.81	-6.57	-3.94	1.51e-03	2.19e-06	-2.83e-04
5434	178	-2.97	4.19	-0.73	-7.32e-04	-4.07e-06	3.41e-04
5434	193	-0.82	-6.55	-3.92	1.50e-03	1.95e-06	-2.85e-04
5434	210	-3.40	4.90	-0.54	-8.57e-04	-4.62e-06	3.98e-04
5434	225	-0.96	-7.67	-4.27	1.74e-03	2.19e-06	-3.39e-04
5435	4	-0.03	1.20	-3.08	-6.94e-04	4.48e-06	7.41e-04
5435	19	-1.13e-03	2.14	-1.10	-1.27e-03	7.39e-06	1.24e-03
5435	28	-0.02	-1.04	-3.41	5.21e-04	-2.14e-06	-3.73e-04
5435	68	-0.02	0.80	-2.20	-4.59e-04	2.99e-06	4.94e-04
5435	72	-1.69e-03	1.41	-1.27	-8.34e-04	4.93e-06	8.26e-04
5435	80	-0.01	-0.70	-2.42	3.51e-04	-1.43e-06	-2.49e-04
5435	98	-0.01	-0.06	-1.99	5.19e-05	0.0	-2.53e-06
5435	105	-7.75e-03	-0.27	-1.95	1.46e-04	0.0	-8.46e-05
5435	107	-8.98e-03	-0.06	-1.91	4.95e-05	0.0	-2.48e-06
5435	114	-2.96	3.64	-0.76	-5.63e-04	-5.22e-06	4.58e-04
5435	129	-0.76	-6.23	-3.57	1.19e-03	-6.89e-06	-3.46e-04
5435	133	2.08	-5.82	-3.78	1.11e-03	-2.15e-06	-2.82e-04
5435	146	-3.33	4.11	-0.62	-6.40e-04	-5.88e-06	5.16e-04
5435	161	-0.86	-7.01	-3.77	1.33e-03	-7.77e-06	-3.90e-04
5435	165	2.34	-6.53	-4.02	1.25e-03	-2.41e-06	-3.17e-04
5435	178	-3.15	4.06	-0.62	-6.33e-04	-5.51e-06	5.05e-04
5435	193	-0.87	-6.97	-3.76	1.32e-03	-7.78e-06	-3.91e-04
5435	197	2.24	-6.41	-3.98	1.22e-03	-2.21e-06	-3.10e-04
5435	210	-3.60	4.75	-0.40	-7.47e-04	-6.26e-06	5.89e-04
5435	225	-1.01	-8.15	-4.07	1.54e-03	-9.09e-06	-4.63e-04
5435	229	2.57	-7.43	-4.32	1.41e-03	-2.53e-06	-3.62e-04
5436	4	-0.04	1.65	-3.02	-1.12e-03	0.0	6.45e-04
5436	19	-7.98e-03	2.89	-1.12	-1.98e-03	0.0	1.08e-03
5436	28	-0.03	-1.27	-3.36	7.27e-04	0.0	-3.26e-04
5436	68	-0.03	1.09	-2.17	-7.45e-04	0.0	4.30e-04
5436	72	-8.55e-03	1.91	-1.28	-1.31e-03	0.0	7.19e-04
5436	80	-0.02	-0.85	-2.39	4.88e-04	0.0	-2.17e-04
5436	98	-0.02	-0.06	-1.98	4.89e-05	0.0	-2.73e-06
5436	102	-6.70e-03	0.35	-1.43	-2.34e-04	0.0	1.42e-04
5436	107	-0.02	-0.06	-1.90	4.67e-05	0.0	-2.68e-06
5436	114	-2.93	3.88	-0.83	-6.17e-04	0.0	3.50e-04
5436	129	-0.76	-6.40	-3.63	1.28e-03	0.0	-3.13e-04
5436	133	2.05	-5.89	-3.68	1.14e-03	0.0	3.07e-05
5436	146	-3.29	4.38	-0.70	-7.00e-04	0.0	3.94e-04
5436	161	-0.86	-7.20	-3.85	1.43e-03	0.0	-3.53e-04

5436	165	2.31	-6.62	-3.90	1.28e-03	0.0	3.52e-05
5436	178	-3.12	4.32	-0.71	-6.87e-04	0.0	3.86e-04
5436	193	-0.87	-7.17	-3.84	1.42e-03	0.0	-3.53e-04
5436	201	1.95	-6.54	-3.87	1.26e-03	0.0	2.71e-05
5436	210	-3.56	5.05	-0.50	-8.08e-04	0.0	4.48e-04
5436	225	-1.01	-8.39	-4.17	1.65e-03	0.0	-4.18e-04
5436	233	2.24	-7.61	-4.20	1.46e-03	0.0	2.96e-05
5437	4	0.63	1.83	-3.02	8.87e-04	0.0	-1.03e-04
5437	44	0.58	-6.17	-2.28	-2.67e-03	0.0	2.66e-04
5437	52	0.65	-0.36	-2.85	8.74e-05	0.0	-1.99e-05
5437	68	0.45	1.21	-2.16	5.94e-04	0.0	-6.97e-05
5437	88	0.41	-4.13	-1.67	-1.78e-03	0.0	1.76e-04
5437	92	0.46	-0.25	-2.04	6.13e-05	0.0	-1.43e-05
5437	98	0.39	-0.20	-1.79	5.01e-05	0.0	-1.26e-05
5437	105	0.38	-0.97	-1.69	-3.19e-04	0.0	2.57e-05
5437	107	0.38	-0.19	-1.73	4.78e-05	0.0	-1.21e-05
5437	112	14.30	6.68	-2.93	1.69e-04	0.0	-5.68e-04
5437	136	8.26	10.75	-3.74	1.65e-04	0.0	-3.66e-04
5437	139	-7.50	-11.13	0.28	-6.97e-05	0.0	3.42e-04
5437	144	16.07	7.55	3.08	1.84e-04	0.0	-6.38e-04
5437	168	9.29	12.13	-3.99	1.80e-04	0.0	-4.11e-04
5437	171	-8.54	-12.51	0.53	-8.44e-05	0.0	3.87e-04
5437	176	16.20	7.44	-3.05	1.80e-04	0.0	-6.28e-04
5437	200	9.56	12.05	-3.97	1.80e-04	0.0	-4.09e-04
5437	203	-8.80	-12.43	0.51	-8.42e-05	0.0	3.85e-04
5437	216	19.25	9.17	-3.35	1.82e-05	0.0	-8.10e-04
5437	232	11.40	14.13	-4.35	2.02e-04	0.0	-4.83e-04
5437	235	-10.64	-14.51	0.89	-1.07e-04	0.0	4.59e-04
5438	4	0.65	1.73	-3.05	8.45e-04	0.0	-2.37e-04
5438	44	0.59	-5.87	-2.31	-2.52e-03	0.0	7.09e-04
5438	52	0.66	-0.37	-2.88	8.94e-05	0.0	-2.04e-05
5438	68	0.46	1.14	-2.18	5.66e-04	0.0	-1.59e-04
5438	88	0.42	-3.93	-1.68	-1.68e-03	0.0	4.72e-04
5438	92	0.47	-0.26	-2.06	6.27e-05	0.0	-1.46e-05
5438	98	0.40	-0.21	-1.80	5.13e-05	0.0	-1.29e-05
5438	105	0.39	-0.94	-1.70	-2.98e-04	0.0	8.46e-05
5438	107	0.39	-0.20	-1.74	4.90e-05	0.0	-1.24e-05
5438	112	14.32	6.35	-2.87	1.93e-04	0.0	-6.37e-04
5438	136	8.27	10.61	-3.68	1.89e-04	0.0	-4.27e-04
5438	139	-7.49	-11.00	0.21	-9.15e-05	0.0	4.02e-04
5438	144	16.09	7.17	-3.01	2.11e-04	0.0	-7.16e-04
5438	168	9.31	11.97	-3.93	2.07e-04	0.0	-4.80e-04
5438	171	-8.53	-12.36	0.46	-1.09e-04	0.0	4.55e-04
5438	176	16.22	7.07	-2.98	2.06e-04	0.0	-7.05e-04
5438	200	9.58	11.88	-3.91	2.07e-04	0.0	-4.83e-04
5438	203	-8.80	-12.28	0.43	-1.09e-04	0.0	4.58e-04
5438	216	19.27	8.69	-3.26	1.37e-05	0.0	-8.95e-04
5438	232	11.42	13.93	-4.27	2.33e-04	0.0	-5.72e-04
5438	235	-10.64	-14.33	0.80	-1.36e-04	0.0	5.47e-04
5439	4	0.66	1.54	-3.05	7.30e-04	0.0	-3.70e-04
5439	44	0.60	-5.29	-2.31	-2.14e-03	0.0	1.15e-03
5439	52	0.67	-0.38	-2.88	9.05e-05	0.0	-2.08e-05
5439	68	0.47	1.01	-2.17	4.90e-04	0.0	-2.48e-04
5439	88	0.43	-3.54	-1.68	-1.42e-03	0.0	7.67e-04
5439	92	0.48	-0.27	-2.06	6.36e-05	0.0	-1.49e-05
5439	98	0.41	-0.22	-1.79	5.20e-05	0.0	-1.31e-05
5439	105	0.40	-0.87	-1.69	-2.46e-04	0.0	1.43e-04
5439	107	0.40	-0.21	-1.73	4.96e-05	0.0	-1.26e-05
5439	112	14.33	5.95	-2.77	1.65e-04	0.0	-7.29e-04
5439	136	8.28	10.35	-3.61	1.40e-04	0.0	-5.70e-04
5439	139	-7.49	-10.76	0.15	-4.09e-05	0.0	5.45e-04
5439	144	16.11	6.73	-2.90	1.79e-04	0.0	-8.20e-04
5439	168	9.32	11.68	-3.84	1.52e-04	0.0	-6.42e-04
5439	171	-8.53	-12.09	0.39	-5.23e-05	0.0	6.17e-04
5439	176	16.23	6.63	-2.88	1.75e-04	0.0	-8.07e-04
5439	200	9.59	11.59	-3.82	1.52e-04	0.0	-6.44e-04
5439	203	-8.79	-12.00	0.37	-5.24e-05	0.0	6.19e-04
5439	216	19.28	8.14	-3.14	7.47e-06	0.0	-1.01e-03
5439	232	11.43	13.58	-4.17	1.69e-04	0.0	-7.61e-04
5439	235	-10.64	-13.99	0.72	-6.99e-05	0.0	7.36e-04
5440	4	0.67	1.39	-3.02	8.92e-04	0.0	-1.43e-04
5440	44	0.61	-4.85	-2.28	-2.69e-03	0.0	3.91e-04
5440	52	0.69	-0.40	-2.85	8.75e-05	0.0	-2.18e-05
5440	68	0.48	0.92	-2.16	5.98e-04	0.0	-9.66e-05
5440	88	0.44	-3.25	-1.67	-1.79e-03	0.0	2.60e-04

5440	92	0.49	-0.28	-2.04	6.13e-05	0.0	-1.57e-05
5440	98	0.42	-0.23	-1.79	5.01e-05	0.0	-1.37e-05
5440	105	0.40	-0.82	-1.69	-3.21e-04	0.0	4.15e-05
5440	107	0.40	-0.22	-1.73	4.78e-05	0.0	-1.33e-05
5440	112	14.35	6.60	-2.94	1.71e-04	0.0	-6.07e-04
5440	136	8.30	10.65	-3.74	1.68e-04	0.0	-3.88e-04
5440	139	-7.50	-11.08	0.28	-7.23e-05	0.0	3.62e-04
5440	144	16.13	7.46	-3.09	1.86e-04	0.0	-6.82e-04
5440	168	9.34	12.02	-3.99	1.83e-04	0.0	-4.37e-04
5440	171	-8.53	-12.45	0.53	-8.74e-05	0.0	4.10e-04
5440	176	16.25	7.35	-3.06	1.82e-04	0.0	-6.72e-04
5440	200	9.60	11.94	-3.97	1.83e-04	0.0	-4.37e-04
5440	203	-8.80	-12.37	0.51	-8.71e-05	0.0	4.11e-04
5440	216	19.30	9.09	-3.36	1.82e-05	0.0	-8.61e-04
5440	232	11.45	14.01	-4.35	2.06e-04	0.0	-5.18e-04
5440	235	-10.65	-14.44	0.89	-1.10e-04	0.0	4.91e-04
5441	4	0.68	1.31	-3.05	8.42e-04	0.0	-1.87e-04
5441	44	0.62	-4.62	-2.31	-2.51e-03	0.0	5.38e-04
5441	52	0.69	-0.41	-2.88	8.94e-05	0.0	-2.16e-05
5441	68	0.48	0.86	-2.18	5.65e-04	0.0	-1.26e-04
5441	88	0.44	-3.09	-1.68	-1.67e-03	0.0	3.58e-04
5441	92	0.49	-0.29	-2.06	6.27e-05	0.0	-1.55e-05
5441	98	0.42	-0.24	-1.80	5.13e-05	0.0	-1.36e-05
5441	105	0.40	-0.79	-1.70	-2.97e-04	0.0	6.12e-05
5441	107	0.40	-0.22	-1.74	4.90e-05	0.0	-1.31e-05
5441	112	14.36	6.25	-2.87	1.92e-04	0.0	-6.38e-04
5441	136	8.30	10.49	-3.68	1.88e-04	0.0	-4.25e-04
5441	139	-7.49	-10.94	0.21	-9.05e-05	0.0	3.99e-04
5441	144	16.13	7.07	-3.01	2.10e-04	0.0	-7.17e-04
5441	168	9.34	11.84	-3.93	2.06e-04	0.0	-4.78e-04
5441	171	-8.53	-12.29	0.46	-1.08e-04	0.0	4.52e-04
5441	176	16.26	6.97	-2.98	2.05e-04	0.0	-7.06e-04
5441	200	9.61	11.76	-3.91	2.06e-04	0.0	-4.80e-04
5441	203	-8.80	-12.20	0.43	-1.08e-04	0.0	4.54e-04
5441	216	19.30	8.60	-3.26	1.38e-05	0.0	-8.98e-04
5441	232	11.45	13.79	-4.27	2.32e-04	0.0	-5.69e-04
5441	235	-10.64	-14.23	0.80	-1.34e-04	0.0	5.43e-04
5442	4	0.68	1.17	-3.05	7.29e-04	0.0	-2.66e-04
5442	44	0.62	-4.23	-2.31	-2.13e-03	0.0	8.04e-04
5442	52	0.69	-0.43	-2.88	9.06e-05	0.0	-2.13e-05
5442	68	0.49	0.77	-2.17	4.89e-04	0.0	-1.79e-04
5442	88	0.44	-2.83	-1.68	-1.42e-03	0.0	5.35e-04
5442	92	0.49	-0.30	-2.06	6.36e-05	0.0	-1.53e-05
5442	98	0.42	-0.24	-1.79	5.20e-05	0.0	-1.34e-05
5442	105	0.40	-0.75	-1.69	-2.45e-04	0.0	9.68e-05
5442	107	0.41	-0.23	-1.73	4.97e-05	0.0	-1.30e-05
5442	112	14.36	5.87	-2.77	1.66e-04	0.0	-6.96e-04
5442	136	8.30	10.26	-3.61	1.41e-04	0.0	-5.12e-04
5442	139	-7.49	-10.73	0.15	-4.20e-05	0.0	4.86e-04
5442	144	16.14	6.64	-2.90	1.80e-04	0.0	-7.82e-04
5442	168	9.34	11.58	-3.84	1.53e-04	0.0	-5.76e-04
5442	171	-8.53	-12.05	0.39	-5.35e-05	0.0	5.50e-04
5442	176	16.26	6.55	-2.88	1.75e-04	0.0	-7.71e-04
5442	200	9.61	11.50	-3.82	1.53e-04	0.0	-5.79e-04
5442	203	-8.80	-11.96	0.37	-5.36e-05	0.0	5.53e-04
5442	216	19.31	8.06	-3.14	7.60e-06	0.0	-9.70e-04
5442	232	11.45	13.48	-4.17	1.71e-04	0.0	-6.85e-04
5442	235	-10.64	-13.94	0.72	-7.13e-05	0.0	6.59e-04
5443	4	0.71	0.94	-3.02	9.12e-04	0.0	-1.08e-04
5443	44	0.65	-3.50	-2.28	-2.76e-03	0.0	2.67e-04
5443	52	0.73	-0.44	-2.85	8.76e-05	0.0	-2.36e-05
5443	68	0.51	0.61	-2.16	6.11e-04	0.0	-7.33e-05
5443	88	0.47	-2.35	-1.67	-1.83e-03	0.0	1.77e-04
5443	92	0.52	-0.31	-2.04	6.14e-05	0.0	-1.69e-05
5443	98	0.44	-0.25	-1.79	5.02e-05	0.0	-1.48e-05
5443	105	0.42	-0.65	-1.69	-3.30e-04	0.0	2.42e-05
5443	107	0.42	-0.24	-1.73	4.79e-05	0.0	-1.43e-05
5443	112	14.42	6.52	-2.94	1.80e-04	0.0	-6.24e-04
5443	136	8.34	10.55	-3.74	1.80e-04	0.0	-4.04e-04
5443	139	-7.50	-11.03	0.28	-8.46e-05	0.0	3.76e-04
5443	144	16.20	7.37	-3.09	1.97e-04	0.0	-7.02e-04
5443	168	9.38	11.91	-3.99	1.97e-04	0.0	-4.55e-04
5443	171	-8.54	-12.39	0.53	-1.01e-04	0.0	4.26e-04
5443	176	16.33	7.27	-3.06	1.92e-04	0.0	-6.91e-04
5443	200	9.65	11.84	-3.97	1.97e-04	0.0	-4.56e-04

5443	203	-8.81	-12.31	0.51	-1.01e-04	0.0	4.28e-04
5443	216	19.36	9.02	-3.36	1.83e-05	0.0	-8.84e-04
5443	232	11.50	13.89	-4.35	2.22e-04	0.0	-5.40e-04
5443	235	-10.65	-14.37	0.89	-1.26e-04	0.0	5.11e-04
5444	4	0.72	0.88	-3.05	8.41e-04	0.0	-1.16e-04
5444	44	0.65	-3.36	-2.31	-2.51e-03	0.0	2.96e-04
5444	52	0.73	-0.46	-2.88	8.94e-05	0.0	-2.28e-05
5444	68	0.51	0.57	-2.18	5.64e-04	0.0	-7.84e-05
5444	88	0.47	-2.25	-1.68	-1.67e-03	0.0	1.96e-04
5444	92	0.52	-0.32	-2.06	6.28e-05	0.0	-1.64e-05
5444	98	0.44	-0.26	-1.80	5.14e-05	0.0	-1.43e-05
5444	105	0.42	-0.64	-1.70	-2.96e-04	0.0	2.83e-05
5444	107	0.42	-0.25	-1.74	4.90e-05	0.0	-1.39e-05
5444	112	14.42	6.16	-2.87	1.90e-04	0.0	-6.37e-04
5444	136	8.34	10.38	-3.68	1.86e-04	0.0	-4.20e-04
5444	139	-7.50	-10.87	0.21	-8.82e-05	0.0	3.92e-04
5444	144	16.21	6.97	-3.01	2.08e-04	0.0	-7.16e-04
5444	168	9.38	11.72	-3.93	2.03e-04	0.0	-4.72e-04
5444	171	-8.54	-12.21	0.45	-1.05e-04	0.0	4.44e-04
5444	176	16.33	6.87	-2.98	2.03e-04	0.0	-7.05e-04
5444	200	9.65	11.63	-3.91	2.03e-04	0.0	-4.74e-04
5444	203	-8.81	-12.13	0.43	-1.05e-04	0.0	4.47e-04
5444	216	19.37	8.51	-3.26	1.40e-05	0.0	-8.99e-04
5444	232	11.50	13.65	-4.27	2.29e-04	0.0	-5.62e-04
5444	235	-10.65	-14.15	0.80	-1.31e-04	0.0	5.34e-04
5445	4	0.72	0.81	-3.05	7.29e-04	0.0	-1.50e-04
5445	44	0.65	-3.16	-2.31	-2.13e-03	0.0	4.14e-04
5445	52	0.73	-0.47	-2.88	9.07e-05	0.0	-2.20e-05
5445	68	0.51	0.52	-2.17	4.90e-04	0.0	-1.01e-04
5445	88	0.47	-2.12	-1.68	-1.42e-03	0.0	2.75e-04
5445	92	0.52	-0.33	-2.06	6.37e-05	0.0	-1.58e-05
5445	98	0.44	-0.27	-1.79	5.21e-05	0.0	-1.38e-05
5445	105	0.42	-0.62	-1.69	-2.45e-04	0.0	4.46e-05
5445	107	0.42	-0.26	-1.73	4.97e-05	0.0	-1.33e-05
5445	112	14.42	5.79	-2.77	1.67e-04	0.0	-6.62e-04
5445	136	8.34	10.18	-3.61	1.43e-04	0.0	-4.55e-04
5445	139	-7.50	-10.69	0.15	-4.39e-05	0.0	4.29e-04
5445	144	16.21	6.55	-2.90	1.81e-04	0.0	-7.44e-04
5445	168	9.39	11.49	-3.84	1.55e-04	0.0	-5.12e-04
5445	171	-8.54	-12.00	0.39	-5.57e-05	0.0	4.86e-04
5445	176	16.33	6.46	-2.88	1.77e-04	0.0	-7.33e-04
5445	200	9.65	11.40	-3.82	1.55e-04	0.0	-5.15e-04
5445	203	-8.81	-11.91	0.37	-5.57e-05	0.0	4.89e-04
5445	216	19.37	7.98	-3.14	7.91e-06	0.0	-9.31e-04
5445	232	11.50	13.37	-4.17	1.73e-04	0.0	-6.10e-04
5445	235	-10.66	-13.88	0.72	-7.37e-05	0.0	5.83e-04
5446	4	0.76	0.47	-3.03	-3.75e-04	6.46e-05	-9.45e-06
5446	44	0.69	-2.07	-2.28	-1.99e-04	6.64e-05	-6.90e-05
5446	52	0.77	-0.49	-2.85	-3.20e-04	6.97e-05	-2.52e-05
5446	68	0.54	0.30	-2.16	-2.68e-04	4.27e-05	-7.61e-06
5446	88	0.49	-1.40	-1.67	-1.51e-04	4.40e-05	-4.73e-05
5446	92	0.55	-0.34	-2.04	-2.32e-04	4.61e-05	-1.81e-05
5446	98	0.46	-0.28	-1.79	-2.15e-04	3.25e-05	-1.58e-05
5446	105	0.45	-0.48	-1.69	-1.96e-04	3.09e-05	-2.14e-05
5446	107	0.45	-0.26	-1.73	-2.08e-04	2.96e-05	-1.53e-05
5446	112	14.48	6.42	-2.94	-2.08e-04	9.68e-05	-6.17e-04
5446	136	8.38	10.43	-3.74	-8.62e-04	-7.09e-05	-3.95e-04
5446	139	-7.49	-10.96	0.28	4.46e-04	1.30e-04	3.64e-04
5446	144	16.27	7.26	-3.09	-2.08e-04	1.05e-04	-6.93e-04
5446	168	9.43	11.78	-3.99	-9.43e-04	-8.36e-05	-4.44e-04
5446	171	-8.54	-12.31	0.53	5.28e-04	1.43e-04	4.13e-04
5446	176	16.39	7.17	-3.06	-2.14e-04	1.01e-04	-6.82e-04
5446	200	9.70	11.71	-3.97	-9.35e-04	-8.23e-05	-4.45e-04
5446	203	-8.80	-12.23	0.51	5.19e-04	1.42e-04	4.14e-04
5446	216	19.42	8.92	-3.36	-6.85e-04	-1.18e-04	-8.76e-04
5446	232	11.55	13.74	-4.35	-1.06e-03	-1.02e-04	-5.26e-04
5446	235	-10.66	-14.27	0.89	6.40e-04	1.61e-04	4.96e-04
5447	4	0.75	0.46	-3.05	-3.82e-04	2.61e-05	-2.51e-05
5447	44	0.68	-2.10	-2.31	-2.06e-04	2.86e-05	-1.24e-05
5447	52	0.77	-0.50	-2.88	-3.28e-04	3.13e-05	-2.42e-05
5447	68	0.54	0.29	-2.18	-2.74e-04	1.33e-05	-1.80e-05
5447	88	0.49	-1.41	-1.68	-1.56e-04	1.49e-05	-9.55e-06
5447	92	0.55	-0.35	-2.06	-2.38e-04	1.68e-05	-1.74e-05
5447	98	0.46	-0.29	-1.80	-2.20e-04	3.22e-06	-1.51e-05
5447	105	0.44	-0.49	-1.70	-2.01e-04	1.72e-06	-1.34e-05

5447	107	0.44	-0.27	-1.74	-2.13e-04	0.0	-1.46e-05
5447	112	14.48	6.07	-2.87	-2.21e-04	-1.28e-04	-6.29e-04
5447	136	8.38	10.27	-3.68	-8.57e-04	-1.11e-04	-4.08e-04
5447	139	-7.49	-10.81	0.21	4.31e-04	1.12e-04	3.78e-04
5447	144	16.27	6.87	-3.01	-2.22e-04	-1.44e-04	-7.07e-04
5447	168	9.43	11.60	-3.93	-9.38e-04	-1.26e-04	-4.58e-04
5447	171	-8.54	-12.14	0.45	5.12e-04	1.26e-04	4.29e-04
5447	176	16.39	6.78	-2.98	-2.27e-04	-1.40e-04	-6.96e-04
5447	200	9.69	11.52	-3.91	-9.30e-04	-1.25e-04	-4.60e-04
5447	203	-8.81	-12.06	0.43	5.03e-04	1.26e-04	4.31e-04
5447	216	19.42	8.42	-3.26	-6.76e-04	-1.75e-04	-8.92e-04
5447	232	11.55	13.52	-4.27	-1.05e-03	-1.47e-04	-5.45e-04
5447	235	-10.66	-14.06	0.80	6.23e-04	1.48e-04	5.16e-04
5448	4	0.75	0.44	-3.05	-3.89e-04	-7.41e-06	-3.40e-05
5448	44	0.68	-2.09	-2.31	-2.13e-04	-4.76e-06	2.29e-05
5448	52	0.77	-0.52	-2.88	-3.35e-04	-2.17e-06	-2.28e-05
5448	68	0.54	0.28	-2.17	-2.79e-04	-1.24e-05	-2.38e-05
5448	88	0.49	-1.41	-1.68	-1.61e-04	-1.06e-05	1.41e-05
5448	92	0.54	-0.36	-2.06	-2.43e-04	-8.92e-06	-1.64e-05
5448	98	0.46	-0.30	-1.79	-2.26e-04	-2.24e-05	-1.42e-05
5448	105	0.44	-0.50	-1.69	-2.06e-04	-2.39e-05	-7.96e-06
5448	107	0.44	-0.28	-1.73	-2.18e-04	-2.52e-05	-1.38e-05
5448	112	14.48	5.71	-2.77	-5.53e-04	-1.61e-04	-6.38e-04
5448	136	8.38	10.09	-3.61	-8.53e-04	-1.42e-04	-4.19e-04
5448	139	-7.49	-10.65	0.15	4.17e-04	9.20e-05	3.92e-04
5448	144	16.27	6.46	-2.91	-5.95e-04	-1.79e-04	-7.18e-04
5448	168	9.43	11.39	-3.84	-9.33e-04	-1.57e-04	-4.72e-04
5448	171	-8.54	-11.95	0.39	4.97e-04	1.07e-04	4.44e-04
5448	176	16.39	6.38	-2.88	-5.86e-04	-1.75e-04	-7.07e-04
5448	200	9.69	11.31	-3.82	-9.25e-04	-1.57e-04	-4.74e-04
5448	203	-8.81	-11.87	0.37	4.88e-04	1.06e-04	4.46e-04
5448	216	19.42	7.91	-3.14	-6.66e-04	-2.12e-04	-9.04e-04
5448	232	11.55	13.27	-4.17	-1.04e-03	-1.80e-04	-5.61e-04
5448	235	-10.66	-13.83	0.72	6.06e-04	1.30e-04	5.34e-04
5449	4	-0.06	2.03	-2.95	-1.48e-03	3.42e-06	5.35e-04
5449	19	-0.02	3.52	-1.11	-2.57e-03	5.66e-06	8.97e-04
5449	28	-0.05	-1.46	-3.29	9.01e-04	-1.66e-06	-2.71e-04
5449	68	-0.04	1.35	-2.12	-9.85e-04	2.28e-06	3.56e-04
5449	72	-0.02	2.33	-1.27	-1.70e-03	3.78e-06	5.97e-04
5449	80	-0.03	-0.98	-2.35	6.04e-04	-1.11e-06	-1.81e-04
5449	98	-0.03	-0.06	-1.94	4.68e-05	0.0	-2.95e-06
5449	102	-0.01	0.43	-1.42	-3.15e-04	0.0	1.17e-04
5449	107	-0.03	-0.06	-1.87	4.47e-05	0.0	-2.89e-06
5449	114	-2.93	4.11	-0.84	-6.62e-04	-4.77e-06	3.31e-04
5449	129	-0.77	-6.54	-3.71	1.35e-03	-2.19e-06	-2.81e-04
5449	146	-3.29	4.63	-0.71	-7.50e-04	-5.37e-06	3.73e-04
5449	161	-0.86	-7.36	-3.94	1.51e-03	-2.47e-06	-3.16e-04
5449	178	-3.12	4.57	-0.73	-7.32e-04	-4.95e-06	3.64e-04
5449	193	-0.87	-7.33	-3.92	1.50e-03	-2.51e-06	-3.16e-04
5449	210	-3.56	5.34	-0.54	-8.57e-04	-5.57e-06	4.23e-04
5449	225	-1.01	-8.58	-4.27	1.74e-03	-2.94e-06	-3.74e-04
5450	4	0.45	1.95	-2.98	1.67e-03	0.0	3.25e-04
5450	19	0.14	4.02	-1.13	2.64e-03	0.0	5.50e-04
5450	28	0.45	-2.33	-3.32	-6.43e-04	0.0	-1.73e-04
5450	68	0.31	1.27	-2.14	1.12e-03	0.0	2.16e-04
5450	72	0.15	2.58	-1.29	1.78e-03	0.0	3.65e-04
5450	80	0.31	-1.58	-2.36	-4.24e-04	0.0	-1.16e-04
5450	98	0.24	-0.36	-1.96	6.57e-05	0.0	-6.20e-06
5450	105	0.23	-0.73	-1.93	-1.04e-04	0.0	-4.27e-05
5450	107	0.23	-0.35	-1.89	6.30e-05	0.0	-6.13e-06
5450	108	8.24	-0.97	-1.91	1.98e-05	0.0	-4.86e-04
5450	129	-1.80	-11.12	-3.76	-7.96e-05	0.0	-4.16e-04
5450	140	9.24	-1.05	-1.91	1.44e-05	0.0	-5.46e-04
5450	161	-2.06	-12.47	-3.99	-9.76e-05	0.0	-4.69e-04
5450	172	8.81	-1.01	-1.90	1.70e-05	0.0	-5.36e-04
5450	193	-2.07	-12.39	-3.97	-9.71e-05	0.0	-4.71e-04
5450	204	10.07	-1.12	-1.89	9.93e-06	0.0	-6.22e-04
5450	225	-2.45	-14.43	-4.32	-1.24e-04	0.0	-5.59e-04
5451	4	0.46	2.09	-2.92	1.77e-03	0.0	2.37e-04
5451	19	0.14	4.26	-1.12	2.81e-03	0.0	4.04e-04
5451	28	0.45	-2.41	-3.26	-6.96e-04	0.0	-1.29e-04
5451	68	0.31	1.37	-2.10	1.18e-03	0.0	1.57e-04
5451	72	0.15	2.75	-1.28	1.89e-03	0.0	2.67e-04
5451	80	0.31	-1.63	-2.33	-4.59e-04	0.0	-8.71e-05
5451	98	0.25	-0.36	-1.93	6.47e-05	0.0	-6.32e-06

5451	105	0.23	-0.75	-1.90	-1.17e-04	0.0	-3.31e-05
5451	107	0.23	-0.35	-1.87	6.21e-05	0.0	-6.25e-06
5451	108	8.24	-1.28	-1.93	2.39e-05	4.96e-06	-4.75e-04
5451	129	-1.80	-11.28	-3.78	-5.98e-05	-7.94e-06	-3.78e-04
5451	140	9.24	-1.40	-1.94	1.92e-05	5.58e-06	-5.34e-04
5451	161	-2.05	-12.65	-4.02	-7.52e-05	-8.93e-06	-4.26e-04
5451	172	8.82	-1.35	-1.93	2.12e-05	5.41e-06	-5.25e-04
5451	193	-2.07	-12.57	-4.00	-7.48e-05	-8.79e-06	-4.27e-04
5451	204	10.07	-1.52	-1.93	1.47e-05	6.26e-06	-6.10e-04
5451	225	-2.44	-14.64	-4.35	-9.81e-05	-1.03e-05	-5.06e-04
5452	4	0.43	0.99	-3.02	1.44e-03	-3.69e-06	2.54e-04
5452	28	0.43	-1.95	-3.35	-5.27e-04	1.90e-06	-1.34e-04
5452	44	0.37	-2.73	-3.14	-9.66e-04	3.13e-06	-2.20e-04
5452	68	0.30	0.64	-2.16	9.67e-04	-2.46e-06	1.69e-04
5452	80	0.30	-1.33	-2.38	-3.47e-04	1.27e-06	-9.02e-05
5452	88	0.26	-1.85	-2.24	-6.39e-04	2.09e-06	-1.47e-04
5452	98	0.23	-0.39	-1.97	6.70e-05	0.0	-4.82e-06
5452	105	0.22	-0.66	-1.93	-7.80e-05	0.0	-3.33e-05
5452	107	0.22	-0.37	-1.89	6.43e-05	0.0	-4.82e-06
5452	108	8.28	-0.67	-1.87	1.82e-05	0.0	-4.92e-04
5452	129	-1.82	-10.86	-3.72	-3.29e-05	4.57e-06	-4.46e-04
5452	140	9.29	-0.71	-1.86	1.24e-05	0.0	-5.54e-04
5452	161	-2.08	-12.18	-3.94	-4.51e-05	5.14e-06	-5.03e-04
5452	172	8.86	-0.68	-1.85	1.48e-05	0.0	-5.42e-04
5452	193	-2.10	-12.09	-3.92	-4.51e-05	5.09e-06	-5.05e-04
5452	204	10.13	-0.73	-1.84	7.09e-06	0.0	-6.30e-04
5452	225	-2.47	-14.07	-4.26	-6.38e-05	5.92e-06	-5.99e-04
5453	4	0.43	1.11	-2.98	1.67e-03	0.0	1.83e-04
5453	28	0.43	-2.01	-3.32	-6.42e-04	0.0	-9.97e-05
5453	44	0.37	-2.84	-3.12	-1.16e-03	0.0	-1.62e-04
5453	68	0.30	0.72	-2.14	1.12e-03	0.0	1.21e-04
5453	80	0.30	-1.37	-2.36	-4.23e-04	0.0	-6.71e-05
5453	88	0.26	-1.92	-2.23	-7.66e-04	0.0	-1.08e-04
5453	98	0.23	-0.39	-1.96	6.57e-05	0.0	-5.21e-06
5453	105	0.22	-0.68	-1.93	-1.04e-04	0.0	-2.59e-05
5453	107	0.22	-0.38	-1.89	6.30e-05	0.0	-5.21e-06
5453	108	8.28	-0.98	-1.91	2.00e-05	0.0	-4.87e-04
5453	129	-1.82	-11.06	-3.76	-7.75e-05	0.0	-4.09e-04
5453	140	9.29	-1.06	-1.91	1.46e-05	0.0	-5.47e-04
5453	161	-2.08	-12.40	-3.99	-9.51e-05	0.0	-4.62e-04
5453	172	8.86	-1.02	-1.90	1.72e-05	0.0	-5.37e-04
5453	193	-2.10	-12.32	-3.97	-9.47e-05	0.0	-4.63e-04
5453	204	10.13	-1.13	-1.89	1.01e-05	0.0	-6.23e-04
5453	225	-2.47	-14.34	-4.32	-1.21e-04	0.0	-5.50e-04
5454	4	0.43	1.20	-2.92	1.81e-03	0.0	1.66e-04
5454	28	0.43	-2.06	-3.26	-7.16e-04	0.0	-9.20e-05
5454	44	0.37	-2.92	-3.08	-1.28e-03	0.0	-1.48e-04
5454	68	0.30	0.77	-2.10	1.21e-03	0.0	1.10e-04
5454	80	0.30	-1.40	-2.33	-4.73e-04	0.0	-6.21e-05
5454	88	0.26	-1.97	-2.20	-8.47e-04	0.0	-9.97e-05
5454	98	0.23	-0.40	-1.93	6.46e-05	0.0	-5.59e-06
5454	105	0.22	-0.69	-1.90	-1.21e-04	0.0	-2.44e-05
5454	107	0.22	-0.38	-1.87	6.20e-05	0.0	-5.58e-06
5454	108	8.28	-1.29	-1.93	2.31e-05	3.75e-06	-4.83e-04
5454	129	-1.82	-11.23	-3.78	-7.26e-05	-5.96e-06	-3.93e-04
5454	140	9.29	-1.41	-1.94	1.82e-05	4.22e-06	-5.43e-04
5454	161	-2.08	-12.60	-4.02	-8.95e-05	-6.70e-06	-4.43e-04
5454	172	8.86	-1.36	-1.93	2.04e-05	4.09e-06	-5.33e-04
5454	193	-2.09	-12.51	-4.00	-8.90e-05	-6.60e-06	-4.44e-04
5454	204	10.13	-1.52	-1.93	1.40e-05	4.74e-06	-6.19e-04
5454	225	-2.47	-14.58	-4.36	-1.15e-04	-7.69e-06	-5.27e-04
5455	4	0.41	0.27	-3.02	4.47e-04	-4.67e-05	2.28e-05
5455	28	0.41	-1.68	-3.35	4.36e-04	-4.08e-05	-1.54e-05
5455	44	0.35	-2.25	-3.14	4.01e-04	-2.08e-05	-2.35e-05
5455	68	0.29	0.15	-2.16	3.20e-04	-2.53e-05	1.46e-05
5455	80	0.28	-1.15	-2.38	3.13e-04	-2.13e-05	-1.08e-05
5455	88	0.25	-1.53	-2.24	2.90e-04	-8.00e-06	-1.62e-05
5455	98	0.22	-0.42	-1.97	2.73e-04	-4.26e-06	-3.50e-06
5455	105	0.21	-0.62	-1.93	2.66e-04	0.0	-6.15e-06
5455	107	0.21	-0.41	-1.89	2.63e-04	0.0	-3.59e-06
5455	108	8.32	-0.68	-1.87	-1.68e-05	7.72e-05	-4.87e-04
5455	129	-1.83	-10.83	-3.72	8.20e-04	8.87e-05	-4.07e-04
5455	140	9.33	-0.72	-1.86	-5.17e-05	8.69e-05	-5.48e-04
5455	161	-2.10	-12.14	-3.94	8.90e-04	1.00e-04	-4.59e-04
5455	172	8.91	-0.69	-1.85	-4.19e-05	8.39e-05	-5.37e-04

5455	193	-2.11	-12.05	-3.92	8.81e-04	9.97e-05	-4.61e-04
5455	204	10.18	-0.74	-1.84	-8.93e-05	9.70e-05	-6.24e-04
5455	225	-2.49	-14.01	-4.26	9.84e-04	1.18e-04	-5.47e-04
5456	4	0.41	0.28	-2.98	4.42e-04	-7.71e-05	1.78e-06
5456	28	0.41	-1.69	-3.32	3.93e-04	-7.12e-05	-6.40e-06
5456	44	0.35	-2.26	-3.12	3.53e-04	-5.13e-05	-7.74e-06
5456	68	0.28	0.16	-2.14	3.15e-04	-4.88e-05	0.0
5456	80	0.28	-1.16	-2.36	2.83e-04	-4.48e-05	-4.92e-06
5456	88	0.24	-1.54	-2.23	2.56e-04	-3.16e-05	-5.81e-06
5456	98	0.22	-0.43	-1.96	2.53e-04	-2.81e-05	-4.18e-06
5456	105	0.21	-0.62	-1.93	2.44e-04	-2.35e-05	-4.59e-06
5456	107	0.21	-0.41	-1.89	2.44e-04	-2.41e-05	-4.25e-06
5456	108	8.32	-0.99	-1.91	-3.40e-05	5.21e-05	-4.84e-04
5456	129	-1.84	-11.01	-3.76	7.85e-04	5.87e-05	-3.95e-04
5456	140	9.33	-1.07	-1.91	-6.87e-05	6.16e-05	-5.44e-04
5456	161	-2.10	-12.34	-3.99	8.53e-04	6.93e-05	-4.45e-04
5456	172	8.90	-1.03	-1.90	-5.88e-05	5.92e-05	-5.34e-04
5456	193	-2.11	-12.25	-3.97	8.44e-04	6.94e-05	-4.46e-04
5456	204	10.18	-1.13	-1.89	-1.06e-04	7.25e-05	-6.21e-04
5456	225	-2.49	-14.26	-4.32	9.44e-04	8.66e-05	-5.30e-04
5457	4	0.13	2.50	-2.34	1.31e-03	-3.02e-06	7.18e-04
5457	19	-0.01	4.62	-0.83	2.11e-03	-5.03e-06	1.22e-03
5457	28	0.13	-2.21	-2.68	-5.39e-04	1.51e-06	-3.88e-04
5457	68	0.08	1.65	-1.68	8.78e-04	-2.01e-06	4.78e-04
5457	72	-7.98e-03	3.03	-0.98	1.41e-03	-3.35e-06	8.10e-04
5457	80	0.08	-1.48	-1.91	-3.58e-04	1.00e-06	-2.59e-04
5457	98	0.04	-0.19	-1.56	3.42e-05	0.0	-1.21e-05
5457	105	0.03	-0.60	-1.54	-1.01e-04	0.0	-9.36e-05
5457	107	0.03	-0.18	-1.50	3.23e-05	0.0	-1.17e-05
5457	108	8.09	7.83	-0.21	8.54e-05	-5.10e-06	-3.32e-04
5457	127	-5.65	-10.00	-3.32	5.42e-05	5.52e-06	-1.88e-04
5457	139	2.00	-11.84	-3.31	-3.15e-05	8.19e-06	-1.29e-04
5457	140	9.09	8.84	-0.05	9.20e-05	-5.73e-06	-3.72e-04
5457	159	-6.35	-11.21	-3.55	5.69e-05	6.20e-06	-2.11e-04
5457	171	2.26	-13.31	-3.54	-3.95e-05	9.21e-06	-1.43e-04
5457	172	8.66	8.66	-0.05	8.98e-05	-5.52e-06	-3.67e-04
5457	203	2.28	-13.26	-3.54	-3.95e-05	9.08e-06	-1.30e-04
5457	204	9.92	10.11	0.19	9.91e-05	-6.38e-06	-4.26e-04
5457	235	2.64	-15.52	-3.89	-5.22e-05	1.06e-05	-1.42e-04
5458	4	0.01	0.44	-2.51	-5.44e-04	2.29e-04	9.80e-06
5458	28	0.03	-0.47	-2.12	-4.08e-04	2.40e-04	0.0
5458	44	0.03	-0.78	-1.77	-3.18e-04	2.32e-04	-4.49e-06
5458	68	9.72e-03	0.29	-1.78	-3.87e-04	1.70e-04	6.70e-06
5458	80	0.02	-0.31	-1.53	-2.96e-04	1.77e-04	0.0
5458	88	0.02	-0.52	-1.29	-2.37e-04	1.72e-04	-2.83e-06
5458	98	0.01	-4.51e-03	-1.45	-3.01e-04	1.60e-04	2.76e-06
5458	105	0.01	-0.11	-1.35	-2.76e-04	1.59e-04	1.47e-06
5458	107	0.01	-4.23e-03	-1.40	-2.91e-04	1.57e-04	2.63e-06
5458	112	8.89	4.55	-3.00	-2.58e-04	2.24e-04	-3.56e-04
5458	136	5.09	5.45	-3.68	-9.57e-04	7.24e-05	-2.16e-04
5458	139	-5.07	-5.46	0.88	3.76e-04	2.42e-04	2.21e-04
5458	144	10.02	5.12	-3.21	-2.54e-04	2.33e-04	-4.02e-04
5458	168	5.76	6.15	-3.96	-1.04e-03	6.16e-05	-2.44e-04
5458	171	-5.73	-6.15	1.17	4.59e-04	2.53e-04	2.50e-04
5458	176	10.10	5.10	-3.17	-2.70e-04	2.29e-04	-4.00e-04
5458	200	5.93	6.16	-3.95	-1.04e-03	6.26e-05	-2.48e-04
5458	203	-5.90	-6.16	1.15	4.54e-04	2.52e-04	2.53e-04
5458	216	12.18	6.36	-3.61	-2.69e-04	1.90e-05	-5.12e-04
5458	232	7.11	7.24	-4.38	-1.16e-03	4.59e-05	-2.97e-04
5458	235	-7.09	-7.25	1.59	5.77e-04	2.69e-04	3.02e-04
5459	4	0.08	0.68	-2.51	-4.50e-04	0.0	1.86e-04
5459	28	0.10	-0.97	-2.12	9.58e-04	0.0	-3.58e-04
5459	44	0.09	-1.60	-1.77	1.56e-03	0.0	-5.98e-04
5459	68	0.06	0.45	-1.78	-2.98e-04	0.0	1.24e-04
5459	80	0.07	-0.65	-1.53	6.41e-04	0.0	-2.38e-04
5459	88	0.07	-1.07	-1.29	1.04e-03	0.0	-3.99e-04
5459	98	0.06	-0.02	-1.45	2.77e-05	0.0	1.99e-06
5459	105	0.06	-0.23	-1.35	2.29e-04	0.0	-7.82e-05
5459	107	0.05	-0.02	-1.40	2.65e-05	0.0	1.96e-06
5459	112	9.09	5.07	-3.00	-1.01e-03	0.0	-3.21e-04
5459	136	5.22	6.15	-3.68	-1.34e-03	0.0	3.63e-05
5459	139	-5.11	-6.19	0.88	1.39e-03	0.0	-3.24e-05
5459	144	10.24	5.72	-3.21	-1.14e-03	0.0	-3.62e-04
5459	168	5.90	6.94	-3.96	-1.51e-03	0.0	4.01e-05
5459	171	-5.79	-6.97	1.17	1.57e-03	0.0	-3.62e-05

5459	176	10.31	5.68	-3.17	-1.12e-03	0.0	-3.62e-04
5459	200	6.07	6.94	-3.95	-1.51e-03	0.0	3.45e-05
5459	203	-5.96	-6.98	1.15	1.56e-03	0.0	-3.06e-05
5459	216	12.43	7.09	-3.61	-1.39e-03	0.0	-4.81e-04
5459	232	7.28	8.17	-4.38	-1.77e-03	0.0	3.59e-05
5459	235	-7.17	-8.21	1.59	1.83e-03	0.0	-3.20e-05
5460	4	0.02	0.45	-2.66	-5.66e-04	2.19e-04	1.04e-05
5460	28	0.03	-0.47	-2.28	-4.30e-04	2.31e-04	0.0
5460	43	0.03	-0.78	-1.83	-3.18e-04	2.14e-04	-4.22e-06
5460	68	0.01	0.30	-1.90	-4.03e-04	1.61e-04	7.15e-06
5460	80	0.02	-0.31	-1.65	-3.12e-04	1.69e-04	0.0
5460	87	0.02	-0.52	-1.34	-2.38e-04	1.58e-04	-2.61e-06
5460	98	0.01	-2.61e-03	-1.55	-3.14e-04	1.51e-04	3.16e-06
5460	105	0.01	-0.11	-1.46	-2.89e-04	1.49e-04	1.86e-06
5460	107	0.01	-2.41e-03	-1.50	-3.04e-04	1.48e-04	3.02e-06
5460	112	8.89	4.35	-2.99	-2.83e-04	-3.64e-05	-3.57e-04
5460	136	5.09	5.38	-3.71	-9.68e-04	2.51e-05	-2.16e-04
5460	139	-5.07	-5.38	0.72	3.60e-04	2.71e-04	2.22e-04
5460	144	10.02	4.90	-3.17	-2.81e-04	-5.98e-05	-4.02e-04
5460	168	5.76	6.06	-3.99	-1.05e-03	9.06e-06	-2.44e-04
5460	171	-5.73	-6.07	1.00	4.43e-04	2.87e-04	2.51e-04
5460	176	10.10	4.88	-3.14	-2.95e-04	-5.88e-05	-4.01e-04
5460	200	5.93	6.07	-3.97	-1.05e-03	6.59e-06	-2.48e-04
5460	203	-5.90	-6.07	0.98	4.38e-04	2.89e-04	2.54e-04
5460	216	12.19	6.07	-3.53	-2.94e-04	-1.17e-04	-5.13e-04
5460	232	7.11	7.14	-4.39	-1.17e-03	-2.10e-05	-2.97e-04
5460	235	-7.09	-7.14	1.40	5.60e-04	3.17e-04	3.03e-04
5461	4	0.08	0.79	-2.66	-6.42e-04	0.0	1.69e-04
5461	28	0.10	-1.18	-2.28	1.35e-03	0.0	-3.24e-04
5461	44	0.09	-1.94	-1.92	2.21e-03	0.0	-5.42e-04
5461	68	0.06	0.52	-1.90	-4.26e-04	0.0	1.13e-04
5461	80	0.07	-0.79	-1.65	9.03e-04	0.0	-2.16e-04
5461	88	0.06	-1.30	-1.40	1.48e-03	0.0	-3.61e-04
5461	98	0.06	-0.02	-1.55	2.91e-05	0.0	1.90e-06
5461	105	0.05	-0.27	-1.46	3.17e-04	0.0	-7.08e-05
5461	107	0.05	-0.02	-1.50	2.78e-05	0.0	1.88e-06
5461	112	9.09	4.86	-2.99	-9.89e-04	0.0	-3.26e-04
5461	136	5.22	6.10	-3.71	-1.38e-03	0.0	2.95e-05
5461	139	-5.11	-6.13	0.72	1.44e-03	0.0	-2.57e-05
5461	144	10.24	5.48	-3.17	-1.12e-03	0.0	-3.68e-04
5461	168	5.90	6.87	-3.99	-1.56e-03	0.0	3.26e-05
5461	171	-5.79	-6.91	1.00	1.61e-03	0.0	-2.89e-05
5461	176	10.32	5.44	-3.14	-1.10e-03	0.0	-3.67e-04
5461	200	6.07	6.88	-3.97	-1.55e-03	0.0	2.80e-05
5461	203	-5.96	-6.91	0.98	1.61e-03	0.0	-2.42e-05
5461	216	12.43	6.77	-3.53	-1.35e-03	0.0	-4.84e-04
5461	232	7.28	8.09	-4.39	-1.82e-03	0.0	2.89e-05
5461	235	-7.17	-8.12	1.40	1.88e-03	0.0	-2.51e-05
5462	4	0.02	0.45	-2.79	-5.87e-04	1.89e-04	1.06e-05
5462	28	0.03	-0.47	-2.42	-4.52e-04	1.99e-04	0.0
5462	43	0.03	-0.78	-1.96	-3.37e-04	1.81e-04	-4.83e-06
5462	68	0.01	0.30	-1.99	-4.18e-04	1.37e-04	7.28e-06
5462	80	0.02	-0.31	-1.75	-3.28e-04	1.44e-04	0.0
5462	87	0.02	-0.52	-1.44	-2.51e-04	1.33e-04	-3.02e-06
5462	98	0.01	-7.26e-04	-1.64	-3.27e-04	1.26e-04	3.16e-06
5462	105	0.01	-0.10	-1.55	-3.02e-04	1.24e-04	1.78e-06
5462	107	0.01	-6.12e-04	-1.59	-3.17e-04	1.23e-04	3.02e-06
5462	112	8.89	4.15	-2.94	-3.08e-04	-8.00e-05	-3.57e-04
5462	136	5.09	5.31	-3.74	-9.78e-04	-9.07e-06	-2.16e-04
5462	139	-5.07	-5.31	0.56	3.45e-04	2.55e-04	2.22e-04
5462	144	10.02	4.68	-3.11	-3.07e-04	-1.06e-04	-4.03e-04
5462	168	5.76	5.98	-4.00	-1.06e-03	-2.63e-05	-2.45e-04
5462	171	-5.73	-5.98	0.83	4.28e-04	2.72e-04	2.51e-04
5462	176	10.10	4.66	-3.07	-3.20e-04	-1.05e-04	-4.01e-04
5462	200	5.93	5.98	-3.98	-1.06e-03	-2.94e-05	-2.48e-04
5462	203	-5.90	-5.98	0.81	4.22e-04	2.75e-04	2.54e-04
5462	216	12.19	5.79	-3.41	-3.20e-04	-1.68e-04	-5.13e-04
5462	232	7.11	7.03	-4.38	-1.18e-03	-5.93e-05	-2.97e-04
5462	235	-7.09	-7.03	1.21	5.44e-04	3.05e-04	3.03e-04
5463	4	0.08	0.88	-2.79	-8.00e-04	0.0	1.59e-04
5463	28	0.10	-1.36	-2.42	1.68e-03	0.0	-3.05e-04
5463	44	0.09	-2.24	-2.05	2.75e-03	0.0	-5.10e-04
5463	68	0.06	0.59	-1.99	-5.31e-04	0.0	1.06e-04
5463	80	0.07	-0.91	-1.75	1.12e-03	0.0	-2.03e-04
5463	88	0.06	-1.50	-1.50	1.84e-03	0.0	-3.40e-04

5463	98	0.06	-0.02	-1.64	3.05e-05	0.0	1.90e-06
5463	105	0.05	-0.31	-1.55	3.90e-04	0.0	-6.65e-05
5463	107	0.05	-0.02	-1.59	2.91e-05	0.0	1.88e-06
5463	112	9.08	4.63	-2.94	-9.37e-04	0.0	-4.20e-04
5463	136	5.22	6.03	-3.73	-1.38e-03	0.0	-2.58e-04
5463	139	-5.11	-6.06	0.56	1.44e-03	0.0	2.62e-04
5463	144	10.24	5.22	-3.11	-1.06e-03	0.0	-4.73e-04
5463	168	5.90	6.79	-4.00	-1.56e-03	0.0	-2.92e-04
5463	171	-5.79	-6.83	0.83	1.62e-03	0.0	2.96e-04
5463	176	10.31	5.19	-3.07	-1.04e-03	0.0	-4.72e-04
5463	200	6.07	6.79	-3.98	-1.55e-03	0.0	-2.96e-04
5463	203	-5.96	-6.82	0.81	1.61e-03	0.0	3.00e-04
5463	216	12.43	6.44	-3.41	-1.26e-03	0.0	-6.07e-04
5463	232	7.27	7.98	-4.38	-1.82e-03	0.0	-3.53e-04
5463	235	-7.17	-8.01	1.21	1.87e-03	0.0	3.57e-04
5464	4	0.16	0.91	-2.51	-4.50e-04	0.0	3.52e-04
5464	28	0.19	-1.47	-2.12	9.59e-04	0.0	-6.99e-04
5464	44	0.17	-2.41	-1.77	1.56e-03	0.0	-1.16e-03
5464	68	0.12	0.61	-1.78	-2.98e-04	0.0	2.35e-04
5464	80	0.13	-0.98	-1.53	6.41e-04	0.0	-4.66e-04
5464	88	0.12	-1.61	-1.29	1.04e-03	0.0	-7.76e-04
5464	98	0.11	-0.03	-1.45	2.77e-05	0.0	0.0
5464	105	0.11	-0.35	-1.35	2.29e-04	0.0	-1.55e-04
5464	107	0.11	-0.03	-1.40	2.65e-05	0.0	0.0
5464	112	9.29	5.60	-3.00	-1.01e-03	0.0	-3.24e-04
5464	136	5.36	6.85	-3.67	-1.34e-03	0.0	6.81e-05
5464	139	-5.14	-6.92	0.88	1.39e-03	0.0	-6.65e-05
5464	144	10.46	6.31	-3.20	-1.14e-03	0.0	-3.66e-04
5464	168	6.05	7.73	-3.96	-1.51e-03	0.0	7.57e-05
5464	171	-5.83	-7.79	1.17	1.57e-03	0.0	-7.41e-05
5464	176	10.54	6.27	-3.17	-1.12e-03	0.0	-3.67e-04
5464	200	6.22	7.73	-3.94	-1.51e-03	0.0	6.69e-05
5464	203	-6.01	-7.80	1.15	1.56e-03	0.0	-6.53e-05
5464	216	12.67	7.82	-3.60	-1.39e-03	0.0	-5.00e-04
5464	232	7.44	9.10	-4.38	-1.77e-03	0.0	7.20e-05
5464	235	-7.23	-9.17	1.59	1.83e-03	0.0	-7.04e-05
5465	4	0.16	1.12	-2.66	-6.45e-04	0.0	3.02e-04
5465	28	0.18	-1.89	-2.28	1.36e-03	0.0	-5.97e-04
5465	44	0.17	-3.11	-1.92	2.22e-03	0.0	-9.96e-04
5465	68	0.12	0.75	-1.89	-4.28e-04	0.0	2.02e-04
5465	80	0.13	-1.26	-1.65	9.06e-04	0.0	-3.98e-04
5465	88	0.12	-2.07	-1.40	1.48e-03	0.0	-6.64e-04
5465	98	0.11	-0.03	-1.55	2.91e-05	0.0	0.0
5465	105	0.11	-0.44	-1.46	3.18e-04	0.0	-1.32e-04
5465	107	0.11	-0.03	-1.50	2.78e-05	0.0	0.0
5465	112	9.25	5.37	-2.99	-9.90e-04	0.0	-3.61e-04
5465	136	5.33	6.82	-3.71	-1.38e-03	0.0	4.32e-05
5465	139	-5.12	-6.88	0.72	1.44e-03	0.0	-4.15e-05
5465	144	10.41	6.05	-3.17	-1.12e-03	0.0	-4.07e-04
5465	168	6.02	7.69	-3.99	-1.56e-03	0.0	4.80e-05
5465	171	-5.81	-7.75	1.00	1.61e-03	0.0	-4.63e-05
5465	176	10.49	6.01	-3.14	-1.10e-03	0.0	-4.07e-04
5465	200	6.19	7.68	-3.97	-1.55e-03	0.0	4.12e-05
5465	203	-5.98	-7.75	0.98	1.61e-03	0.0	-3.95e-05
5465	216	12.62	7.47	-3.53	-1.35e-03	0.0	-5.44e-04
5465	232	7.41	9.04	-4.39	-1.82e-03	0.0	4.32e-05
5465	235	-7.20	-9.10	1.40	1.88e-03	0.0	-4.15e-05
5466	4	0.15	1.30	-2.79	-8.00e-04	0.0	2.45e-04
5466	28	0.18	-2.24	-2.42	1.68e-03	0.0	-4.84e-04
5466	44	0.16	-3.68	-2.05	2.75e-03	0.0	-8.07e-04
5466	68	0.11	0.86	-1.99	-5.32e-04	0.0	1.64e-04
5466	80	0.12	-1.49	-1.75	1.12e-03	0.0	-3.22e-04
5466	88	0.12	-2.46	-1.50	1.84e-03	0.0	-5.37e-04
5466	98	0.10	-0.03	-1.64	3.06e-05	0.0	0.0
5466	105	0.10	-0.52	-1.55	3.90e-04	0.0	-1.07e-04
5466	107	0.10	-0.03	-1.59	2.91e-05	0.0	0.0
5466	112	9.22	5.12	-2.94	-9.37e-04	0.0	-4.90e-04
5466	136	5.32	6.75	-3.74	-1.38e-03	0.0	-3.02e-04
5466	139	-5.12	-6.81	0.56	1.44e-03	0.0	3.04e-04
5466	144	10.39	5.77	-3.11	-1.06e-03	0.0	-5.52e-04
5466	168	6.00	7.61	-4.01	-1.56e-03	0.0	-3.41e-04
5466	171	-5.81	-7.67	0.83	1.62e-03	0.0	3.43e-04
5466	176	10.47	5.72	-3.08	-1.04e-03	0.0	-5.51e-04
5466	200	6.18	7.60	-3.98	-1.55e-03	0.0	-3.46e-04
5466	203	-5.98	-7.66	0.81	1.61e-03	0.0	3.48e-04

5466	216	12.59	7.09	-3.42	-1.26e-03	0.0	-7.09e-04
5466	232	7.39	8.93	-4.39	-1.82e-03	0.0	-4.13e-04
5466	235	-7.19	-8.99	1.21	1.87e-03	0.0	4.15e-04
5467	4	0.15	2.87	-2.51	1.56e-03	0.0	4.64e-04
5467	19	-1.20e-03	5.25	-0.93	2.52e-03	0.0	7.96e-04
5467	28	0.14	-2.41	-2.85	-6.62e-04	0.0	-2.60e-04
5467	68	0.09	1.90	-1.81	1.04e-03	0.0	3.09e-04
5467	72	2.16e-03	3.45	-1.07	1.69e-03	0.0	5.27e-04
5467	80	0.09	-1.62	-2.04	-4.40e-04	0.0	-1.74e-04
5467	98	0.05	-0.20	-1.67	3.47e-05	0.0	-1.18e-05
5467	105	0.04	-0.65	-1.65	-1.28e-04	0.0	-6.50e-05
5467	107	0.04	-0.19	-1.62	3.28e-05	0.0	-1.13e-05
5467	108	8.09	7.58	-0.35	1.46e-04	0.0	-4.35e-04
5467	127	-5.63	-10.02	-3.45	-2.84e-05	0.0	-9.86e-05
5467	139	2.01	-11.80	-3.40	-9.11e-05	0.0	3.35e-04
5467	140	9.09	8.56	-0.19	1.60e-04	0.0	-4.88e-04
5467	159	-6.33	-11.24	-3.68	-3.58e-05	0.0	-1.10e-04
5467	171	2.26	-13.27	-3.62	-1.07e-04	0.0	3.80e-04
5467	172	8.66	8.39	-0.19	1.55e-04	0.0	-4.79e-04
5467	195	-5.37	-11.08	-3.65	3.18e-05	0.0	-9.91e-05
5467	203	2.28	-13.21	-3.62	-1.07e-04	0.0	3.79e-04
5467	204	9.92	9.79	0.05	1.75e-04	0.0	-5.56e-04
5467	227	-6.18	-12.87	-3.98	3.17e-05	0.0	-1.12e-04
5467	235	2.65	-15.45	-3.96	-1.32e-04	0.0	4.52e-04
5468	4	0.17	3.08	-2.66	1.67e-03	0.0	2.06e-04
5468	19	0.01	5.61	-1.00	2.70e-03	-1.04e-06	3.65e-04
5468	28	0.16	-2.53	-3.00	-7.14e-04	0.0	-1.30e-04
5468	68	0.11	2.04	-1.92	1.12e-03	0.0	1.36e-04
5468	72	0.02	3.69	-1.15	1.81e-03	0.0	2.40e-04
5468	80	0.10	-1.70	-2.14	-4.74e-04	0.0	-8.75e-05
5468	98	0.06	-0.21	-1.77	3.60e-05	0.0	-1.14e-05
5468	105	0.06	-0.68	-1.75	-1.39e-04	0.0	-3.59e-05
5468	107	0.06	-0.20	-1.71	3.41e-05	0.0	-1.10e-05
5468	108	8.09	7.27	-0.47	1.28e-04	5.62e-06	-5.21e-04
5468	127	-5.61	-9.95	-3.55	3.38e-05	-7.17e-06	-5.26e-05
5468	139	2.03	-11.64	-3.47	-7.63e-05	-8.35e-06	4.39e-04
5468	140	9.10	8.20	-0.31	1.40e-04	6.33e-06	-5.86e-04
5468	159	-6.31	-11.17	-3.78	3.37e-05	-8.06e-06	-5.82e-05
5468	171	2.28	-13.08	-3.69	-9.03e-05	-9.40e-06	4.97e-04
5468	172	8.66	8.04	-0.32	1.37e-04	6.11e-06	-5.75e-04
5468	191	-6.04	-10.91	-3.75	3.20e-05	-7.82e-06	-5.88e-05
5468	203	2.30	-13.02	-3.69	-9.08e-05	-9.34e-06	4.99e-04
5468	204	9.92	9.38	-0.08	1.54e-04	7.06e-06	-6.67e-04
5468	227	-6.15	-12.79	-4.08	1.03e-04	-6.26e-06	-4.83e-05
5468	235	2.66	-15.23	-4.03	-1.13e-04	-1.09e-05	5.95e-04
5469	4	0.41	0.27	-2.92	4.38e-04	-1.07e-04	-3.24e-05
5469	28	0.41	-1.69	-3.26	3.51e-04	-1.01e-04	9.32e-06
5469	44	0.35	-2.26	-3.08	3.05e-04	-8.22e-05	1.92e-05
5469	68	0.28	0.15	-2.10	3.11e-04	-7.22e-05	-2.23e-05
5469	80	0.28	-1.16	-2.33	2.53e-04	-6.84e-05	5.50e-06
5469	88	0.24	-1.53	-2.20	2.22e-04	-5.56e-05	1.21e-05
5469	98	0.22	-0.43	-1.93	2.34e-04	-5.26e-05	-4.80e-06
5469	105	0.21	-0.63	-1.90	2.23e-04	-4.81e-05	-1.49e-06
5469	107	0.21	-0.41	-1.87	2.25e-04	-4.87e-05	-4.85e-06
5469	108	8.32	-1.31	-1.93	-5.12e-05	2.59e-05	-4.78e-04
5469	129	-1.84	-11.16	-3.78	7.49e-04	2.26e-05	-3.81e-04
5469	140	9.33	-1.42	-1.94	-8.57e-05	3.53e-05	-5.38e-04
5469	161	-2.10	-12.52	-4.02	8.15e-04	3.18e-05	-4.30e-04
5469	172	8.90	-1.37	-1.93	-7.58e-05	3.40e-05	-5.28e-04
5469	193	-2.11	-12.44	-4.00	8.07e-04	3.28e-05	-4.30e-04
5469	204	10.18	-1.53	-1.93	-1.22e-04	4.78e-05	-6.14e-04
5469	225	-2.49	-14.48	-4.36	9.04e-04	4.83e-05	-5.11e-04
5470	4	0.02	0.47	-3.00	-6.52e-04	4.87e-05	1.02e-05
5470	28	0.04	-0.47	-2.65	-5.18e-04	5.83e-05	0.0
5470	45	0.01	-0.79	-0.99	-1.59e-04	-1.89e-06	-6.33e-06
5470	68	0.02	0.32	-2.14	-4.65e-04	2.93e-05	6.96e-06
5470	80	0.02	-0.31	-1.91	-3.75e-04	3.57e-05	0.0
5470	85	0.01	-0.53	-1.15	-2.08e-04	-1.49e-06	-3.44e-06
5470	98	0.02	4.86e-03	-1.77	-3.68e-04	1.82e-05	3.06e-06
5470	103	0.02	0.11	-1.75	-3.71e-04	1.36e-05	4.01e-06
5470	107	0.02	4.72e-03	-1.71	-3.56e-04	1.46e-05	2.92e-06
5470	112	8.90	3.57	-1.73	-3.82e-04	-3.13e-04	-3.57e-04
5470	136	5.10	5.10	-3.68	-1.12e-03	-2.16e-04	-2.16e-04
5470	144	10.03	4.02	-1.74	-3.86e-04	-3.54e-04	-4.03e-04
5470	168	5.76	5.74	-3.93	-1.22e-03	-2.11e-04	-2.45e-04

5470	176	10.10	3.99	-1.76	-3.95e-04	-3.55e-04	-4.01e-04
5470	200	5.93	5.73	-3.90	-1.21e-03	-2.17e-04	-2.48e-04
5470	216	12.19	4.93	-3.09	-8.67e-04	-4.48e-04	-5.13e-04
5470	232	7.12	6.71	-4.26	-1.35e-03	-2.63e-04	-2.97e-04
5471	4	0.07	0.89	-3.00	-7.79e-04	0.0	-1.51e-04
5471	28	0.08	-1.33	-2.65	1.63e-03	0.0	3.38e-04
5471	44	0.07	-2.21	-2.26	2.67e-03	0.0	5.55e-04
5471	68	0.05	0.59	-2.14	-5.17e-04	0.0	-1.01e-04
5471	80	0.06	-0.89	-1.91	1.09e-03	0.0	2.26e-04
5471	88	0.05	-1.47	-1.64	1.78e-03	0.0	3.71e-04
5471	98	0.05	-0.01	-1.77	2.95e-05	0.0	5.80e-06
5471	105	0.04	-0.30	-1.67	3.79e-04	0.0	7.84e-05
5471	107	0.04	-0.01	-1.71	2.80e-05	0.0	5.53e-06
5471	112	9.07	3.93	-1.73	6.16e-05	0.0	-4.29e-04
5471	136	5.21	5.77	-3.68	-1.29e-03	0.0	-2.60e-04
5471	139	-5.12	-5.79	0.26	1.34e-03	0.0	2.71e-04
5471	144	10.23	4.42	-1.74	6.59e-05	0.0	-4.84e-04
5471	168	5.89	6.50	-3.93	-1.45e-03	0.0	-2.94e-04
5471	171	-5.80	-6.52	0.51	1.51e-03	0.0	3.05e-04
5471	176	10.30	4.39	-1.76	5.28e-05	0.0	-4.82e-04
5471	200	6.06	6.47	-3.90	-1.44e-03	0.0	-2.99e-04
5471	203	-5.97	-6.49	0.48	1.49e-03	0.0	3.10e-04
5471	216	12.42	5.41	-3.09	-9.43e-04	0.0	-6.16e-04
5471	232	7.26	7.59	-4.26	-1.68e-03	0.0	-3.59e-04
5471	235	-7.18	-7.61	0.84	1.74e-03	0.0	3.70e-04
5472	4	0.03	0.48	-3.01	-6.74e-04	1.69e-05	1.01e-05
5472	28	0.04	-0.47	-2.67	-5.40e-04	2.61e-05	0.0
5472	45	0.01	-0.79	-0.98	-1.69e-04	-2.78e-05	-6.33e-06
5472	68	0.02	0.32	-2.14	-4.80e-04	4.67e-06	6.95e-06
5472	80	0.03	-0.31	-1.91	-3.91e-04	1.08e-05	0.0
5472	85	0.01	-0.53	-1.13	-2.18e-04	-2.72e-05	-3.45e-06
5472	98	0.02	6.69e-03	-1.77	-3.81e-04	-6.62e-06	3.05e-06
5472	103	0.02	0.11	-1.74	-3.84e-04	-1.13e-05	4.00e-06
5472	107	0.02	6.46e-03	-1.70	-3.69e-04	-1.04e-05	2.91e-06
5472	112	8.90	3.37	-1.85	-4.07e-04	-3.45e-04	-3.57e-04
5472	134	0.36	3.79	-3.61	-1.12e-03	-3.29e-05	-1.86e-05
5472	136	5.10	5.03	-3.38	-1.13e-03	-2.14e-04	-2.16e-04
5472	144	10.03	3.80	-1.87	-4.12e-04	-3.88e-04	-4.03e-04
5472	166	0.41	4.26	-3.85	-1.22e-03	-3.63e-05	-2.16e-05
5472	168	5.76	5.66	-3.59	-1.22e-03	-2.41e-04	-2.45e-04
5472	176	10.10	3.77	-1.89	-4.20e-04	-3.89e-04	-4.01e-04
5472	198	0.46	4.23	-3.81	-1.21e-03	-3.93e-05	-2.26e-05
5472	200	5.93	5.64	-3.58	-1.21e-03	-2.47e-04	-2.48e-04
5472	216	12.19	4.65	-1.98	-8.63e-04	-4.83e-04	-5.13e-04
5472	230	0.58	4.93	-4.15	-1.34e-03	-4.69e-05	-2.86e-05
5472	232	7.12	6.61	-3.89	-1.35e-03	-2.94e-04	-2.97e-04
5473	4	0.07	0.80	-3.01	-6.06e-04	0.0	-1.61e-04
5473	28	0.08	-1.14	-2.67	1.27e-03	0.0	3.58e-04
5473	44	0.07	-1.88	-2.27	2.08e-03	0.0	5.88e-04
5473	68	0.05	0.53	-2.14	-4.03e-04	0.0	-1.07e-04
5473	80	0.06	-0.76	-1.91	8.47e-04	0.0	2.39e-04
5473	88	0.05	-1.26	-1.65	1.39e-03	0.0	3.93e-04
5473	98	0.04	-7.18e-03	-1.77	2.64e-05	0.0	5.86e-06
5473	105	0.04	-0.26	-1.67	2.97e-04	0.0	8.29e-05
5473	107	0.04	-6.71e-03	-1.70	2.51e-05	0.0	5.59e-06
5473	112	9.07	3.69	-1.85	1.16e-06	0.0	-4.37e-04
5473	134	0.39	4.34	-3.61	-1.24e-03	0.0	-2.48e-05
5473	139	-5.12	-5.68	-0.02	1.10e-03	0.0	2.77e-04
5473	144	10.22	4.15	-1.87	-1.85e-06	0.0	-4.93e-04
5473	166	0.44	4.89	-3.85	-1.40e-03	0.0	-2.91e-05
5473	171	-5.80	-6.40	0.19	1.23e-03	0.0	3.13e-04
5473	176	10.30	4.12	-1.89	-1.49e-05	0.0	-4.91e-04
5473	198	0.49	4.85	-3.81	-1.38e-03	0.0	-3.18e-05
5473	203	-5.97	-6.37	0.17	1.22e-03	0.0	3.18e-04
5473	216	12.41	5.06	-1.98	-2.69e-05	0.0	-6.25e-04
5473	230	0.61	5.65	-4.15	-1.61e-03	0.0	-4.11e-05
5473	235	-7.18	-7.46	0.48	1.42e-03	0.0	3.80e-04
5474	4	0.03	0.49	-3.00	-6.96e-04	0.0	1.01e-05
5474	28	0.04	-0.47	-2.67	-5.62e-04	8.88e-06	0.0
5474	45	0.01	-0.80	-0.95	-1.79e-04	-4.27e-05	-6.44e-06
5474	68	0.02	0.32	-2.13	-4.96e-04	-7.81e-06	6.92e-06
5474	75	0.01	0.53	-2.01	-4.86e-04	-2.09e-05	8.70e-06
5474	80	0.03	-0.31	-1.91	-4.07e-04	-2.53e-06	0.0
5474	98	0.02	8.52e-03	-1.75	-3.95e-04	-1.96e-05	3.01e-06
5474	103	0.02	0.11	-1.72	-3.96e-04	-2.42e-05	3.97e-06

5474	107	0.02	8.20e-03	-1.69	-3.82e-04	-2.34e-05	2.87e-06
5474	112	8.90	3.18	-1.83	-4.31e-04	-2.50e-04	-3.57e-04
5474	134	0.36	3.84	-3.56	-1.13e-03	-4.93e-05	-1.86e-05
5474	136	5.10	4.96	-3.36	-1.13e-03	-1.71e-04	-2.16e-04
5474	144	10.03	3.58	-1.85	-4.37e-04	-2.78e-04	-4.03e-04
5474	166	0.41	4.32	-3.80	-1.22e-03	-5.28e-05	-2.17e-05
5474	168	5.76	5.59	-3.57	-1.22e-03	-1.90e-04	-2.45e-04
5474	176	10.10	3.55	-1.87	-4.44e-04	-2.78e-04	-4.01e-04
5474	198	0.46	4.28	-3.76	-1.21e-03	-5.48e-05	-2.26e-05
5474	200	5.93	5.56	-3.55	-1.21e-03	-1.94e-04	-2.48e-04
5474	216	12.19	4.36	-2.04	-8.58e-04	-3.46e-04	-5.13e-04
5474	230	0.58	4.99	-4.09	-1.34e-03	-6.18e-05	-2.86e-05
5474	232	7.12	6.51	-3.86	-1.35e-03	-2.27e-04	-2.97e-04
5475	4	0.07	0.70	-3.01	-3.99e-04	0.0	-1.79e-04
5475	28	0.08	-0.91	-2.67	8.38e-04	0.0	3.94e-04
5475	44	0.07	-1.51	-2.26	1.36e-03	0.0	6.49e-04
5475	68	0.05	0.46	-2.13	-2.65e-04	0.0	-1.19e-04
5475	80	0.06	-0.61	-1.91	5.60e-04	0.0	2.63e-04
5475	88	0.05	-1.01	-1.64	9.11e-04	0.0	4.33e-04
5475	98	0.04	-3.67e-03	-1.75	2.33e-05	0.0	6.13e-06
5475	105	0.04	-0.20	-1.65	1.99e-04	0.0	9.12e-05
5475	107	0.04	-3.37e-03	-1.69	2.22e-05	0.0	5.84e-06
5475	112	9.07	3.44	-1.83	-5.48e-05	0.0	-4.51e-04
5475	134	0.39	4.37	-3.56	-1.16e-03	0.0	-2.99e-05
5475	139	-5.12	-5.57	-0.01	1.05e-03	0.0	2.90e-04
5475	144	10.22	3.87	-1.85	-6.45e-05	0.0	-5.09e-04
5475	166	0.44	4.92	-3.80	-1.30e-03	0.0	-3.50e-05
5475	171	-5.80	-6.27	0.20	1.18e-03	0.0	3.27e-04
5475	176	10.30	3.84	-1.87	-7.70e-05	0.0	-5.07e-04
5475	198	0.49	4.88	-3.76	-1.28e-03	0.0	-3.80e-05
5475	203	-5.97	-6.23	0.18	1.17e-03	0.0	3.33e-04
5475	216	12.41	4.70	-2.04	-1.12e-04	0.0	-6.44e-04
5475	230	0.61	5.69	-4.09	-1.50e-03	0.0	-4.87e-05
5475	235	-7.18	-7.29	0.49	1.36e-03	0.0	3.97e-04
5476	4	0.11	1.29	-3.00	-7.79e-04	0.0	-2.49e-04
5476	28	0.13	-2.19	-2.65	1.63e-03	0.0	5.46e-04
5476	44	0.11	-3.61	-2.25	2.67e-03	0.0	8.99e-04
5476	68	0.08	0.86	-2.14	-5.18e-04	0.0	-1.66e-04
5476	80	0.09	-1.46	-1.91	1.09e-03	0.0	3.64e-04
5476	88	0.08	-2.41	-1.64	1.78e-03	0.0	6.00e-04
5476	98	0.07	-0.03	-1.77	2.95e-05	0.0	8.21e-06
5476	105	0.06	-0.50	-1.67	3.79e-04	0.0	1.26e-04
5476	107	0.06	-0.02	-1.71	2.80e-05	0.0	7.83e-06
5476	112	9.17	4.29	-1.74	6.15e-05	0.0	-4.89e-04
5476	136	5.27	6.44	-3.68	-1.29e-03	0.0	-2.96e-04
5476	139	-5.14	-6.49	0.26	1.34e-03	0.0	3.12e-04
5476	144	10.33	4.84	-1.74	6.58e-05	0.0	-5.52e-04
5476	168	5.95	7.26	-3.93	-1.45e-03	0.0	-3.36e-04
5476	171	-5.83	-7.30	0.51	1.51e-03	0.0	3.51e-04
5476	176	10.41	4.79	-1.76	5.27e-05	0.0	-5.50e-04
5476	200	6.13	7.22	-3.90	-1.44e-03	0.0	-3.42e-04
5476	203	-6.00	-7.27	0.48	1.49e-03	0.0	3.57e-04
5476	216	12.53	5.89	-3.08	-9.43e-04	0.0	-7.03e-04
5476	232	7.34	8.47	-4.26	-1.68e-03	0.0	-4.11e-04
5476	235	-7.21	-8.52	0.84	1.74e-03	0.0	4.26e-04
5477	4	0.10	1.12	-3.01	-6.09e-04	0.0	-3.06e-04
5477	28	0.12	-1.80	-2.67	1.27e-03	0.0	6.59e-04
5477	44	0.10	-2.97	-2.27	2.08e-03	0.0	1.09e-03
5477	68	0.07	0.74	-2.14	-4.04e-04	0.0	-2.03e-04
5477	80	0.08	-1.20	-1.91	8.50e-04	0.0	4.40e-04
5477	88	0.07	-1.98	-1.65	1.39e-03	0.0	7.25e-04
5477	98	0.06	-0.02	-1.77	2.64e-05	0.0	8.16e-06
5477	105	0.06	-0.41	-1.67	2.98e-04	0.0	1.51e-04
5477	107	0.06	-0.02	-1.70	2.50e-05	0.0	7.78e-06
5477	112	9.17	4.01	-1.85	0.0	0.0	-5.12e-04
5477	134	0.41	4.89	-3.61	-1.24e-03	0.0	-3.84e-05
5477	139	-5.15	-6.35	-0.02	1.10e-03	0.0	3.36e-04
5477	144	10.33	4.52	-1.87	-2.05e-06	0.0	-5.78e-04
5477	166	0.46	5.51	-3.85	-1.40e-03	0.0	-4.49e-05
5477	171	-5.84	-7.15	0.19	1.23e-03	0.0	3.78e-04
5477	176	10.41	4.47	-1.89	-1.51e-05	0.0	-5.76e-04
5477	198	0.51	5.46	-3.81	-1.38e-03	0.0	-4.86e-05
5477	203	-6.01	-7.11	0.17	1.22e-03	0.0	3.85e-04
5477	216	12.53	5.48	-1.98	-2.73e-05	0.0	-7.31e-04
5477	230	0.63	6.37	-4.15	-1.61e-03	0.0	-6.19e-05

5477	235	-7.23	-8.32	0.48	1.42e-03	0.0	4.60e-04
5478	4	0.10	0.90	-3.00	-4.00e-04	0.0	-3.55e-04
5478	28	0.11	-1.34	-2.67	8.39e-04	0.0	7.57e-04
5478	44	0.10	-2.22	-2.26	1.37e-03	0.0	1.25e-03
5478	68	0.07	0.60	-2.13	-2.65e-04	0.0	-2.36e-04
5478	80	0.08	-0.90	-1.91	5.61e-04	0.0	5.05e-04
5478	88	0.07	-1.48	-1.63	9.12e-04	0.0	8.35e-04
5478	98	0.06	-0.02	-1.75	2.34e-05	0.0	7.92e-06
5478	105	0.06	-0.31	-1.65	2.00e-04	0.0	1.73e-04
5478	107	0.05	-0.01	-1.68	2.22e-05	0.0	7.55e-06
5478	112	9.21	3.70	-1.83	-5.52e-05	0.0	-5.31e-04
5478	134	0.41	4.91	-3.56	-1.16e-03	0.0	-6.04e-05
5478	139	-5.18	-6.18	-0.01	1.05e-03	0.0	3.63e-04
5478	144	10.37	4.17	-1.85	-6.50e-05	0.0	-5.99e-04
5478	166	0.46	5.52	-3.79	-1.30e-03	0.0	-6.97e-05
5478	171	-5.86	-6.96	0.20	1.18e-03	0.0	4.09e-04
5478	176	10.45	4.13	-1.87	-7.75e-05	0.0	-5.97e-04
5478	198	0.51	5.47	-3.76	-1.28e-03	0.0	-7.36e-05
5478	203	-6.04	-6.92	0.18	1.17e-03	0.0	4.16e-04
5478	216	12.58	5.05	-2.04	-1.13e-04	0.0	-7.52e-04
5478	230	0.63	6.38	-4.09	-1.50e-03	0.0	-9.13e-05
5478	235	-7.26	-8.09	0.49	1.36e-03	0.0	4.96e-04
5479	4	0.42	0.37	-3.34	4.56e-04	8.16e-05	-6.83e-06
5479	28	0.42	-1.59	-3.67	5.61e-04	8.39e-05	-1.82e-05
5479	44	0.36	-2.17	-3.42	5.42e-04	8.30e-05	-1.93e-05
5479	68	0.29	0.23	-2.39	3.31e-04	6.26e-05	-5.42e-06
5479	80	0.29	-1.09	-2.61	4.00e-04	6.41e-05	-1.30e-05
5479	88	0.25	-1.47	-2.44	3.88e-04	6.35e-05	-1.37e-05
5479	98	0.23	-0.36	-2.16	3.29e-04	6.39e-05	-9.56e-06
5479	105	0.21	-0.56	-2.12	3.29e-04	6.38e-05	-1.00e-05
5479	107	0.21	-0.34	-2.08	3.17e-04	6.36e-05	-9.31e-06
5479	108	8.32	3.15	-1.39	9.56e-05	-5.70e-05	-4.94e-04
5479	127	-5.49	-9.36	-3.74	8.76e-04	1.59e-04	-6.96e-05
5479	139	2.19	-9.59	-3.60	8.54e-04	4.84e-05	3.88e-04
5479	140	9.33	3.59	-1.31	6.78e-05	-7.20e-05	-5.55e-04
5479	159	-6.19	-10.48	-3.95	9.46e-04	1.71e-04	-7.78e-05
5479	171	2.45	-10.75	-3.79	9.21e-04	4.65e-05	4.40e-04
5479	172	8.91	3.52	-1.32	7.06e-05	-6.43e-05	-5.45e-04
5479	191	-5.93	-10.32	-3.92	9.36e-04	1.67e-04	-8.02e-05
5479	203	2.47	-10.62	-3.76	9.13e-04	4.73e-05	4.41e-04
5479	204	10.18	4.15	-1.19	2.96e-05	-8.25e-05	-6.33e-04
5479	223	-6.85	-11.93	-4.21	1.04e-03	1.83e-04	-9.60e-05
5479	235	2.83	-12.31	-4.04	1.01e-03	4.52e-05	5.27e-04
5480	4	0.42	0.36	-3.38	4.57e-04	4.43e-05	-4.10e-05
5480	28	0.42	-1.60	-3.71	5.61e-04	4.65e-05	-2.54e-06
5480	44	0.36	-2.18	-3.46	5.42e-04	4.59e-05	7.61e-06
5480	68	0.29	0.22	-2.42	3.31e-04	3.40e-05	-2.83e-05
5480	80	0.29	-1.09	-2.64	4.01e-04	3.55e-05	-2.61e-06
5480	88	0.25	-1.48	-2.47	3.88e-04	3.51e-05	4.15e-06
5480	98	0.23	-0.36	-2.19	3.29e-04	3.53e-05	-1.02e-05
5480	105	0.21	-0.57	-2.15	3.29e-04	3.53e-05	-6.93e-06
5480	107	0.21	-0.35	-2.11	3.17e-04	3.51e-05	-9.91e-06
5480	108	8.32	2.83	-1.40	1.05e-04	-7.20e-05	-4.99e-04
5480	127	-5.49	-9.31	-3.81	8.77e-04	1.17e-04	-6.24e-05
5480	139	2.19	-9.43	-3.62	8.48e-04	-3.33e-05	3.99e-04
5480	140	9.33	3.22	-1.31	7.80e-05	-8.53e-05	-5.60e-04
5480	159	-6.19	-10.43	-4.02	9.47e-04	1.27e-04	-6.95e-05
5480	171	2.45	-10.57	-3.81	9.14e-04	-4.18e-05	4.51e-04
5480	172	8.91	3.17	-1.33	8.13e-05	-7.94e-05	-5.50e-04
5480	191	-5.93	-10.27	-3.99	9.37e-04	1.24e-04	-7.12e-05
5480	203	2.47	-10.43	-3.78	9.05e-04	-3.87e-05	4.54e-04
5480	204	10.18	3.74	-1.20	4.24e-05	-9.63e-05	-6.39e-04
5480	223	-6.86	-11.88	-4.29	1.04e-03	1.38e-04	-8.49e-05
5480	235	2.83	-12.08	-4.04	1.00e-03	-5.10e-05	5.42e-04
5481	4	0.31	1.87	-2.92	1.36e-03	2.25e-06	-5.15e-04
5481	19	0.08	3.69	-1.09	2.17e-03	3.78e-06	-8.33e-04
5481	28	0.30	-2.04	-3.26	-5.39e-04	-1.18e-06	2.28e-04
5481	68	0.21	1.24	-2.09	9.09e-04	1.49e-06	-3.44e-04
5481	72	0.09	2.40	-1.25	1.46e-03	2.51e-06	-5.58e-04
5481	80	0.21	-1.37	-2.32	-3.57e-04	0.0	1.52e-04
5481	98	0.16	-0.24	-1.92	4.44e-05	0.0	-1.12e-05
5481	105	0.15	-0.59	-1.89	-9.46e-05	0.0	4.44e-05
5481	107	0.15	-0.23	-1.85	4.24e-05	0.0	-1.06e-05
5481	108	8.20	6.11	-0.73	-2.05e-05	1.45e-06	-5.15e-04
5481	127	-5.52	-9.65	-3.66	1.63e-04	-1.39e-06	-4.97e-05

5481	139	2.12	-10.90	-3.55	9.62e-05	0.0	4.24e-04
5481	140	9.20	6.91	-0.59	-2.83e-05	1.64e-06	-5.78e-04
5481	159	-6.22	-10.82	-3.89	1.79e-04	-1.56e-06	-5.50e-05
5481	171	2.37	-12.25	-3.76	1.03e-04	0.0	4.80e-04
5481	172	8.77	6.77	-0.59	-2.60e-05	1.53e-06	-5.69e-04
5481	191	-5.96	-10.59	-3.85	1.76e-04	-1.49e-06	-5.56e-05
5481	203	2.39	-12.17	-3.75	9.98e-05	0.0	4.84e-04
5481	204	10.03	7.92	-0.38	-3.67e-05	1.74e-06	-6.62e-04
5481	223	-6.88	-12.24	-4.18	1.98e-04	-1.71e-06	-6.59e-05
5481	235	2.75	-14.21	-4.08	1.09e-04	0.0	5.78e-04
5482	4	0.31	1.57	-2.96	1.11e-03	0.0	-5.43e-04
5482	19	0.09	3.19	-1.09	1.75e-03	0.0	-8.80e-04
5482	28	0.31	-1.90	-3.30	-4.09e-04	0.0	2.42e-04
5482	68	0.21	1.03	-2.12	7.43e-04	0.0	-3.63e-04
5482	72	0.09	2.07	-1.25	1.18e-03	0.0	-5.90e-04
5482	80	0.21	-1.28	-2.35	-2.70e-04	0.0	1.61e-04
5482	98	0.16	-0.25	-1.93	4.72e-05	0.0	-1.12e-05
5482	105	0.15	-0.56	-1.90	-6.36e-05	0.0	4.75e-05
5482	107	0.15	-0.24	-1.86	4.52e-05	0.0	-1.06e-05
5482	108	8.20	5.76	-0.75	-2.63e-05	0.0	-5.25e-04
5482	127	-5.52	-9.55	-3.70	2.03e-04	0.0	-4.89e-05
5482	139	2.12	-10.70	-3.51	1.35e-04	0.0	4.50e-04
5482	140	9.20	6.52	-0.61	-3.52e-05	0.0	-5.90e-04
5482	159	-6.22	-10.70	-3.92	2.23e-04	0.0	-5.40e-05
5482	171	2.37	-12.02	-3.72	1.46e-04	0.0	5.10e-04
5482	172	8.77	6.39	-0.61	-3.21e-05	0.0	-5.81e-04
5482	191	-5.96	-10.48	-3.89	2.20e-04	0.0	-5.32e-05
5482	203	2.39	-11.93	-3.71	1.43e-04	0.0	5.14e-04
5482	204	10.04	7.47	-0.40	-4.39e-05	0.0	-6.75e-04
5482	223	-6.87	-12.12	-4.22	2.48e-04	0.0	-6.25e-05
5482	235	2.75	-13.92	-4.02	1.59e-04	0.0	6.13e-04
5483	4	0.32	1.22	-2.99	7.80e-04	4.25e-06	-5.90e-04
5483	19	0.09	2.63	-1.07	1.19e-03	7.13e-06	-9.57e-04
5483	28	0.31	-1.75	-3.32	-2.39e-04	-2.19e-06	2.66e-04
5483	68	0.22	0.80	-2.13	5.24e-04	2.83e-06	-3.94e-04
5483	80	0.22	-1.18	-2.36	-1.56e-04	-1.47e-06	1.76e-04
5483	88	0.18	-1.72	-2.21	-3.05e-04	-2.42e-06	3.05e-04
5483	98	0.16	-0.26	-1.94	5.02e-05	0.0	-1.10e-05
5483	105	0.15	-0.53	-1.90	-2.36e-05	0.0	5.28e-05
5483	107	0.15	-0.24	-1.86	4.82e-05	0.0	-1.05e-05
5483	108	8.20	5.40	-0.75	-3.99e-05	5.09e-06	-5.36e-04
5483	127	-5.51	-9.42	-3.71	2.75e-04	-8.32e-06	-5.16e-05
5483	139	2.12	-10.46	-3.47	2.23e-04	-1.03e-05	4.84e-04
5483	140	9.21	6.10	-0.61	-5.09e-05	5.73e-06	-6.02e-04
5483	159	-6.21	-10.56	-3.94	3.04e-04	-9.35e-06	-5.69e-05
5483	171	2.37	-11.74	-3.67	2.45e-04	-1.16e-05	5.48e-04
5483	172	8.78	5.98	-0.62	-4.91e-05	5.59e-06	-5.93e-04
5483	191	-5.95	-10.35	-3.91	3.00e-04	-9.14e-06	-5.45e-05
5483	203	2.39	-11.66	-3.66	2.42e-04	-1.14e-05	5.52e-04
5483	204	10.04	7.00	-0.41	-6.48e-05	6.49e-06	-6.90e-04
5483	223	-6.87	-11.96	-4.24	3.40e-04	-1.06e-05	-6.31e-05
5483	235	2.76	-13.59	-3.96	2.74e-04	-1.33e-05	6.58e-04
5484	4	0.37	1.19	-2.92	1.39e-03	0.0	-3.15e-04
5484	19	0.11	2.60	-1.09	2.22e-03	1.13e-06	-4.98e-04
5484	28	0.36	-1.77	-3.26	-5.56e-04	0.0	1.25e-04
5484	68	0.25	0.78	-2.09	9.31e-04	0.0	-2.11e-04
5484	80	0.25	-1.19	-2.32	-3.68e-04	0.0	8.21e-05
5484	88	0.21	-1.73	-2.19	-6.55e-04	0.0	1.49e-04
5484	98	0.19	-0.27	-1.92	4.43e-05	0.0	-1.34e-05
5484	105	0.18	-0.54	-1.89	-9.84e-05	0.0	1.97e-05
5484	107	0.18	-0.25	-1.85	4.22e-05	0.0	-1.29e-05
5484	108	8.26	6.09	-0.73	-2.24e-05	0.0	-5.09e-04
5484	127	-5.51	-9.72	-3.66	1.57e-04	0.0	-5.94e-05
5484	139	2.15	-10.94	-3.55	8.77e-05	0.0	4.04e-04
5484	140	9.27	6.89	-0.59	-3.04e-05	1.03e-06	-5.72e-04
5484	159	-6.21	-10.90	-3.89	1.72e-04	0.0	-6.58e-05
5484	171	2.41	-12.29	-3.76	9.31e-05	0.0	4.58e-04
5484	172	8.84	6.76	-0.60	-2.80e-05	0.0	-5.62e-04
5484	191	-5.95	-10.67	-3.85	1.70e-04	0.0	-6.73e-05
5484	203	2.43	-12.22	-3.75	8.98e-05	0.0	4.61e-04
5484	204	10.11	7.90	-0.38	-3.90e-05	1.10e-06	-6.52e-04
5484	223	-6.87	-12.33	-4.18	1.90e-04	0.0	-7.98e-05
5484	235	2.79	-14.25	-4.08	9.68e-05	1.17e-06	5.51e-04
5485	4	0.41	1.76	-3.35	1.38e-03	2.36e-06	-5.24e-04
5485	19	0.13	3.65	-1.26	2.18e-03	3.84e-06	-8.41e-04

5485	28	0.41	-2.18	-3.68	-5.22e-04	-1.09e-06	2.26e-04
5485	68	0.28	1.15	-2.40	9.24e-04	1.57e-06	-3.50e-04
5485	72	0.13	2.35	-1.43	1.47e-03	2.56e-06	-5.64e-04
5485	80	0.28	-1.47	-2.62	-3.44e-04	0.0	1.50e-04
5485	98	0.22	-0.33	-2.17	5.61e-05	0.0	-1.44e-05
5485	105	0.21	-0.67	-2.13	-8.34e-05	0.0	4.19e-05
5485	107	0.21	-0.31	-2.09	5.38e-05	0.0	-1.37e-05
5485	108	8.24	1.90	-1.32	1.42e-05	1.52e-06	-4.91e-04
5485	127	-5.44	-9.08	-3.85	1.37e-04	-1.55e-06	-5.40e-05
5485	129	-1.83	-9.36	-3.70	1.27e-04	0.0	-3.83e-04
5485	140	9.24	2.17	-1.22	9.25e-06	1.71e-06	-5.51e-04
5485	159	-6.14	-10.17	-4.07	1.47e-04	-1.75e-06	-5.93e-05
5485	161	-2.09	-10.50	-3.90	1.37e-04	0.0	-4.31e-04
5485	172	8.81	2.14	-1.25	1.09e-05	1.61e-06	-5.43e-04
5485	191	-5.88	-10.03	-4.03	1.46e-04	-1.70e-06	-5.84e-05
5485	193	-2.11	-10.36	-3.88	1.36e-04	0.0	-4.30e-04
5485	204	10.07	2.54	-1.12	4.39e-06	1.83e-06	-6.31e-04
5485	223	-6.79	-11.61	-4.34	1.61e-04	-1.97e-06	-6.79e-05
5485	225	-2.48	-12.00	-4.17	1.50e-04	-1.17e-06	-5.08e-04
5486	4	0.41	1.45	-3.28	1.12e-03	0.0	-5.52e-04
5486	19	0.13	3.15	-1.21	1.75e-03	0.0	-8.88e-04
5486	28	0.41	-2.04	-3.61	-3.99e-04	0.0	2.40e-04
5486	68	0.29	0.94	-2.35	7.51e-04	0.0	-3.69e-04
5486	72	0.14	2.01	-1.38	1.18e-03	0.0	-5.96e-04
5486	80	0.28	-1.38	-2.57	-2.62e-04	0.0	1.59e-04
5486	98	0.22	-0.34	-2.12	5.41e-05	0.0	-1.46e-05
5486	105	0.21	-0.65	-2.08	-5.70e-05	0.0	4.49e-05
5486	107	0.21	-0.32	-2.04	5.20e-05	0.0	-1.39e-05
5486	108	8.24	1.57	-1.16	-1.61e-05	0.0	-4.87e-04
5486	127	-5.44	-8.99	-3.87	1.88e-04	0.0	-5.74e-05
5486	129	-1.82	-9.47	-3.67	1.70e-04	0.0	-3.85e-04
5486	140	9.24	1.80	-1.05	-2.46e-05	0.0	-5.47e-04
5486	159	-6.14	-10.07	-4.10	2.05e-04	0.0	-6.29e-05
5486	161	-2.09	-10.62	-3.87	1.85e-04	0.0	-4.32e-04
5486	172	8.81	1.78	-1.09	-2.15e-05	0.0	-5.40e-04
5486	191	-5.88	-9.94	-4.06	2.02e-04	0.0	-6.05e-05
5486	193	-2.10	-10.49	-3.85	1.84e-04	0.0	-4.30e-04
5486	204	10.07	2.12	-0.94	-3.25e-05	0.0	-6.28e-04
5486	223	-6.79	-11.51	-4.38	2.27e-04	0.0	-6.94e-05
5486	225	-2.48	-12.16	-4.15	2.06e-04	0.0	-5.07e-04
5487	4	0.42	1.09	-3.20	7.83e-04	4.34e-06	-5.99e-04
5487	28	0.42	-1.89	-3.53	-2.35e-04	-2.13e-06	2.62e-04
5487	44	0.36	-2.68	-3.28	-4.59e-04	-3.57e-06	4.57e-04
5487	68	0.29	0.71	-2.28	5.26e-04	2.89e-06	-4.00e-04
5487	80	0.29	-1.28	-2.51	-1.53e-04	-1.42e-06	1.74e-04
5487	88	0.25	-1.81	-2.34	-3.02e-04	-2.38e-06	3.04e-04
5487	98	0.23	-0.35	-2.06	5.27e-05	0.0	-1.49e-05
5487	105	0.21	-0.62	-2.02	-2.10e-05	0.0	4.97e-05
5487	107	0.21	-0.33	-1.98	5.07e-05	0.0	-1.42e-05
5487	108	8.24	1.23	-1.00	-5.94e-05	4.17e-06	-6.09e-04
5487	127	-5.43	-8.87	-3.87	2.81e-04	-9.74e-06	3.58e-04
5487	129	-1.82	-9.55	-3.62	2.54e-04	-8.90e-06	3.28e-05
5487	140	9.24	1.42	-0.88	-7.31e-05	4.69e-06	-6.84e-04
5487	159	-6.13	-9.94	-4.11	3.10e-04	-1.09e-05	4.05e-04
5487	161	-2.08	-10.71	-3.82	2.79e-04	-1.00e-05	3.81e-05
5487	172	8.81	1.41	-0.92	-6.84e-05	4.55e-06	-6.74e-04
5487	191	-5.87	-9.82	-4.07	3.06e-04	-1.08e-05	3.96e-04
5487	193	-2.10	-10.58	-3.81	2.78e-04	-9.87e-06	2.83e-05
5487	204	10.07	1.69	-0.77	-8.63e-05	5.26e-06	-7.84e-04
5487	223	-6.79	-11.37	-4.40	3.47e-04	-1.25e-05	4.64e-04
5487	225	-2.47	-12.28	-4.11	3.15e-04	-1.15e-05	2.90e-05
5488	4	0.41	1.06	-3.35	1.41e-03	0.0	-3.17e-04
5488	28	0.41	-1.91	-3.68	-5.39e-04	0.0	1.28e-04
5488	44	0.35	-2.71	-3.43	-9.72e-04	0.0	2.29e-04
5488	68	0.28	0.68	-2.40	9.46e-04	0.0	-2.12e-04
5488	80	0.28	-1.30	-2.62	-3.55e-04	0.0	8.43e-05
5488	88	0.24	-1.83	-2.45	-6.44e-04	0.0	1.52e-04
5488	98	0.22	-0.36	-2.17	5.60e-05	0.0	-1.26e-05
5488	105	0.21	-0.63	-2.13	-8.72e-05	0.0	2.09e-05
5488	107	0.21	-0.34	-2.09	5.37e-05	0.0	-1.22e-05
5488	108	8.28	1.88	-1.32	1.72e-05	0.0	-4.95e-04
5488	127	-5.47	-9.14	-3.84	1.28e-04	0.0	-5.64e-05
5488	129	-1.84	-9.43	-3.70	1.19e-04	0.0	-3.91e-04
5488	140	9.29	2.15	-1.22	1.26e-05	0.0	-5.56e-04
5488	159	-6.17	-10.24	-4.06	1.37e-04	0.0	-6.23e-05

5488	161	-2.10	-10.57	-3.90	1.27e-04	0.0	-4.40e-04
5488	172	8.86	2.12	-1.25	1.42e-05	0.0	-5.47e-04
5488	191	-5.91	-10.10	-4.03	1.36e-04	0.0	-6.30e-05
5488	193	-2.11	-10.43	-3.88	1.26e-04	0.0	-4.40e-04
5488	204	10.13	2.52	-1.12	8.23e-06	0.0	-6.36e-04
5488	223	-6.83	-11.69	-4.34	1.49e-04	0.0	-7.44e-05
5488	225	-2.49	-12.08	-4.17	1.39e-04	0.0	-5.21e-04
5489	4	0.47	2.44	-3.02	1.45e-03	-2.85e-06	6.89e-04
5489	19	0.13	4.75	-1.12	2.27e-03	-4.79e-06	1.16e-03
5489	28	0.47	-2.47	-3.35	-5.28e-04	1.47e-06	-3.58e-04
5489	68	0.32	1.60	-2.16	9.68e-04	-1.90e-06	4.59e-04
5489	72	0.15	3.08	-1.28	1.53e-03	-3.19e-06	7.71e-04
5489	80	0.32	-1.67	-2.38	-3.47e-04	0.0	-2.40e-04
5489	98	0.25	-0.32	-1.97	6.72e-05	0.0	-7.25e-06
5489	105	0.23	-0.74	-1.93	-7.80e-05	0.0	-8.44e-05
5489	107	0.23	-0.31	-1.89	6.44e-05	0.0	-7.12e-06
5489	108	8.21	-0.65	-1.87	1.81e-05	0.0	-4.98e-04
5489	129	-1.79	-10.93	-3.71	-2.99e-05	5.08e-06	-5.66e-04
5489	140	9.21	-0.70	-1.86	1.24e-05	0.0	-5.60e-04
5489	161	-2.05	-12.26	-3.94	-4.18e-05	5.71e-06	-6.38e-04
5489	172	8.78	-0.67	-1.85	1.47e-05	0.0	-5.47e-04
5489	193	-2.07	-12.17	-3.92	-4.18e-05	5.65e-06	-6.39e-04
5489	204	10.03	-0.72	-1.84	6.99e-06	0.0	-6.35e-04
5489	225	-2.44	-14.17	-4.26	-5.99e-05	6.58e-06	-7.56e-04
5490	4	0.25	2.54	-2.92	1.35e-03	1.82e-06	-5.74e-04
5490	19	0.06	4.75	-1.09	2.15e-03	3.05e-06	-9.33e-04
5490	28	0.25	-2.30	-3.26	-5.35e-04	0.0	2.61e-04
5490	68	0.17	1.68	-2.09	9.04e-04	1.21e-06	-3.83e-04
5490	72	0.07	3.11	-1.25	1.45e-03	2.03e-06	-6.24e-04
5490	80	0.17	-1.55	-2.32	-3.54e-04	0.0	1.74e-04
5490	98	0.13	-0.22	-1.92	4.44e-05	0.0	-9.25e-06
5490	105	0.12	-0.64	-1.89	-9.37e-05	0.0	5.31e-05
5490	107	0.12	-0.21	-1.85	4.24e-05	0.0	-8.72e-06
5490	108	8.14	6.13	-0.73	-2.02e-05	1.62e-06	-5.00e-04
5490	127	-5.53	-9.58	-3.66	1.65e-04	0.0	-4.67e-05
5490	139	2.08	-10.87	-3.55	9.79e-05	2.52e-06	4.02e-04
5490	140	9.14	6.92	-0.59	-2.80e-05	1.82e-06	-5.62e-04
5490	159	-6.23	-10.74	-3.89	1.80e-04	0.0	-5.20e-05
5490	171	2.34	-12.21	-3.76	1.05e-04	2.85e-06	4.55e-04
5490	172	8.71	6.79	-0.59	-2.57e-05	1.70e-06	-5.53e-04
5490	191	-5.97	-10.51	-3.86	1.78e-04	0.0	-5.34e-05
5490	203	2.36	-12.13	-3.75	1.02e-04	2.86e-06	4.59e-04
5490	204	9.96	7.93	-0.38	-3.63e-05	1.93e-06	-6.44e-04
5490	223	-6.88	-12.15	-4.18	2.00e-04	0.0	-6.41e-05
5490	235	2.72	-14.16	-4.07	1.11e-04	3.35e-06	5.49e-04
5491	4	0.27	2.12	-2.96	1.12e-03	0.0	-7.44e-04
5491	19	0.07	4.07	-1.09	1.76e-03	0.0	-1.22e-03
5491	28	0.27	-2.11	-3.30	-4.12e-04	0.0	3.46e-04
5491	68	0.18	1.40	-2.12	7.47e-04	0.0	-4.96e-04
5491	72	0.08	2.66	-1.25	1.18e-03	0.0	-8.13e-04
5491	80	0.18	-1.42	-2.35	-2.71e-04	0.0	2.30e-04
5491	98	0.14	-0.23	-1.93	4.73e-05	0.0	-9.14e-06
5491	105	0.13	-0.60	-1.90	-6.42e-05	0.0	7.21e-05
5491	107	0.13	-0.22	-1.86	4.52e-05	0.0	-8.62e-06
5491	108	8.14	5.77	-0.75	-2.67e-05	0.0	-5.33e-04
5491	127	-5.52	-9.45	-3.69	2.03e-04	0.0	-4.96e-05
5491	139	2.10	-10.64	-3.51	1.34e-04	0.0	4.88e-04
5491	140	9.14	6.52	-0.61	-3.57e-05	0.0	-5.99e-04
5491	159	-6.22	-10.60	-3.92	2.22e-04	0.0	-5.48e-05
5491	171	2.35	-11.95	-3.72	1.44e-04	0.0	5.52e-04
5491	172	8.71	6.40	-0.61	-3.26e-05	0.0	-5.91e-04
5491	191	-5.95	-10.38	-3.89	2.19e-04	0.0	-5.21e-05
5491	203	2.37	-11.87	-3.71	1.41e-04	0.0	5.56e-04
5491	204	9.97	7.48	-0.40	-4.44e-05	0.0	-6.88e-04
5491	223	-6.87	-12.00	-4.22	2.47e-04	0.0	-6.05e-05
5491	235	2.73	-13.85	-4.02	1.57e-04	0.0	6.62e-04
5492	4	0.28	1.61	-2.99	7.80e-04	3.09e-06	-8.77e-04
5492	19	0.08	3.22	-1.07	1.19e-03	5.18e-06	-1.44e-03
5492	28	0.28	-1.87	-3.32	-2.39e-04	-1.59e-06	4.13e-04
5492	68	0.19	1.06	-2.13	5.23e-04	2.06e-06	-5.85e-04
5492	72	0.08	2.09	-1.23	8.09e-04	3.45e-06	-9.61e-04
5492	80	0.19	-1.26	-2.36	-1.55e-04	-1.07e-06	2.75e-04
5492	98	0.14	-0.23	-1.94	5.02e-05	0.0	-9.37e-06
5492	105	0.14	-0.54	-1.90	-2.36e-05	0.0	8.66e-05
5492	107	0.13	-0.22	-1.86	4.82e-05	0.0	-8.87e-06

5492	108	8.14	5.38	-0.75	-4.02e-05	5.74e-06	-7.05e-04
5492	127	-5.50	-9.29	-3.70	2.76e-04	-9.07e-06	4.26e-04
5492	139	2.10	-10.35	-3.47	2.24e-04	-9.84e-06	5.75e-04
5492	140	9.14	6.09	-0.61	-5.12e-05	6.46e-06	-7.93e-04
5492	159	-6.20	-10.41	-3.93	3.05e-04	-1.02e-05	4.81e-04
5492	171	2.35	-11.63	-3.67	2.46e-04	-1.11e-05	6.50e-04
5492	172	8.71	5.97	-0.62	-4.94e-05	6.27e-06	-7.78e-04
5492	191	-5.94	-10.20	-3.90	3.00e-04	-9.93e-06	4.68e-04
5492	203	2.37	-11.54	-3.66	2.43e-04	-1.10e-05	6.53e-04
5492	204	9.96	6.98	-0.41	-6.52e-05	7.26e-06	-9.06e-04
5492	223	-6.85	-11.79	-4.23	3.41e-04	-1.15e-05	5.46e-04
5492	235	2.73	-13.45	-3.96	2.76e-04	-1.28e-05	7.76e-04
5493	18	6.68e-03	0.78	-1.83	4.05e-04	2.92e-04	3.10e-05
5493	28	-0.01	-0.46	-2.56	6.48e-04	3.00e-04	-1.62e-05
5493	41	-0.02	-0.77	-1.76	4.71e-04	2.25e-04	-2.41e-05
5493	75	3.53e-03	0.52	-1.33	2.97e-04	2.15e-04	2.04e-05
5493	80	-9.78e-03	-0.30	-1.82	4.59e-04	2.21e-04	-1.11e-05
5493	85	-0.01	-0.51	-1.28	3.40e-04	1.70e-04	-1.63e-05
5493	98	-6.59e-03	6.42e-03	-1.47	3.56e-04	2.04e-04	-2.50e-06
5493	103	-4.66e-03	0.11	-1.37	3.27e-04	2.01e-04	2.11e-06
5493	104	-8.06e-03	-0.10	-1.12	2.79e-04	1.74e-04	-5.04e-06
5493	106	-6.88e-03	5.80e-03	-1.08	2.64e-04	1.75e-04	-2.22e-06
5493	107	-6.63e-03	6.33e-03	-1.41	3.43e-04	2.00e-04	-2.46e-06
5493	111	-2.62	-4.41	-1.01	8.51e-04	3.32e-04	2.77e-04
5493	136	-0.66	5.49	0.67	-4.43e-04	2.57e-04	-2.17e-04
5493	139	0.65	-5.47	-3.50	1.13e-03	1.44e-04	2.12e-04
5493	143	-2.94	-4.96	-0.96	9.15e-04	3.49e-04	3.13e-04
5493	168	-0.75	6.18	0.93	-5.42e-04	2.64e-04	-2.45e-04
5493	171	0.74	-6.17	-3.76	1.23e-03	1.36e-04	2.40e-04
5493	175	-2.78	-4.91	-0.98	9.07e-04	3.37e-04	3.10e-04
5493	200	-0.76	6.19	0.91	-5.38e-04	2.65e-04	-2.48e-04
5493	203	0.75	-6.18	-3.74	1.22e-03	1.35e-04	2.43e-04
5493	207	-3.17	-5.74	-0.92	1.00e-03	3.54e-04	3.63e-04
5493	232	-0.89	7.28	1.31	-6.89e-04	2.76e-04	-2.96e-04
5493	235	0.87	-7.27	-4.13	1.37e-03	1.24e-04	2.91e-04
5494	18	0.09	1.55	-1.83	-1.46e-03	5.88e-06	6.02e-04
5494	19	0.05	1.56	-0.74	-1.48e-03	5.88e-06	6.04e-04
5494	28	0.07	-0.74	-2.56	5.31e-04	-1.77e-06	-1.92e-04
5494	72	0.05	1.04	-0.88	-9.85e-04	3.92e-06	4.01e-04
5494	75	0.06	1.04	-1.33	-9.72e-04	3.92e-06	4.00e-04
5494	80	0.05	-0.49	-1.82	3.55e-04	-1.18e-06	-1.28e-04
5494	98	0.05	-4.23e-03	-1.47	2.07e-05	0.0	-4.99e-06
5494	102	0.04	0.21	-1.04	-1.89e-04	0.0	7.64e-05
5494	103	0.05	0.20	-1.37	-1.80e-04	0.0	7.62e-05
5494	107	0.05	-3.52e-03	-1.41	1.91e-05	0.0	-4.95e-06
5494	108	2.83	4.80	-1.81	3.91e-04	0.0	-2.68e-04
5494	139	0.74	-6.21	-3.50	1.06e-03	-4.38e-06	-3.12e-05
5494	140	3.18	5.41	-1.86	4.38e-04	0.0	-3.01e-04
5494	171	0.83	-6.99	-3.76	1.20e-03	-4.92e-06	-3.42e-05
5494	172	3.01	5.33	-1.84	4.09e-04	0.0	-2.95e-04
5494	203	0.85	-6.99	-3.74	1.19e-03	-4.87e-06	-2.86e-05
5494	204	3.43	6.23	-1.91	4.61e-04	0.0	-3.42e-04
5494	235	0.98	-8.22	-4.13	1.39e-03	-5.68e-06	-2.91e-05
5495	18	7.06e-03	0.80	-2.03	4.30e-04	2.86e-04	1.24e-05
5495	28	-0.01	-0.47	-2.76	6.75e-04	2.96e-04	-6.78e-06
5495	41	-0.02	-0.78	-1.91	4.88e-04	2.14e-04	-1.15e-05
5495	75	3.85e-03	0.53	-1.48	3.15e-04	2.10e-04	8.19e-06
5495	80	-9.20e-03	-0.31	-1.96	4.78e-04	2.17e-04	-4.63e-06
5495	85	-0.01	-0.52	-1.40	3.53e-04	1.62e-04	-7.76e-06
5495	98	-6.11e-03	5.58e-03	-1.60	3.73e-04	1.99e-04	0.0
5495	103	-4.21e-03	0.11	-1.51	3.44e-04	1.95e-04	1.15e-06
5495	104	-7.53e-03	-0.10	-1.24	2.92e-04	1.66e-04	-2.14e-06
5495	106	-6.38e-03	4.97e-03	-1.20	2.77e-04	1.67e-04	0.0
5495	107	-6.15e-03	5.49e-03	-1.55	3.59e-04	1.94e-04	0.0
5495	111	-2.62	-4.22	-2.74	8.47e-04	4.79e-04	2.85e-04
5495	136	-0.66	5.41	0.42	-4.18e-04	2.82e-04	-2.19e-04
5495	139	0.65	-5.40	-3.51	1.14e-03	1.06e-04	2.18e-04
5495	143	-2.95	-4.75	-2.89	9.08e-04	5.14e-04	3.22e-04
5495	168	-0.75	6.10	0.67	-5.16e-04	2.94e-04	-2.47e-04
5495	171	0.74	-6.09	-3.76	1.23e-03	9.47e-05	2.46e-04
5495	175	-2.78	-4.70	-2.86	9.00e-04	4.92e-04	3.19e-04
5495	200	-0.76	6.10	0.65	-5.11e-04	2.96e-04	-2.51e-04
5495	203	0.75	-6.09	-3.74	1.23e-03	9.26e-05	2.50e-04
5495	207	-3.18	-5.49	-3.08	9.90e-04	5.31e-04	3.74e-04
5495	232	-0.89	7.17	1.03	-6.60e-04	3.14e-04	-3.00e-04

5495	235	0.87	-7.16	-4.12	1.38e-03	7.50e-05	2.99e-04
5496	4	0.09	1.13	-2.41	-1.24e-03	0.0	3.22e-04
5496	19	0.05	1.91	-0.85	-2.12e-03	0.0	5.43e-04
5496	28	0.07	-0.85	-2.76	7.27e-04	0.0	-1.72e-04
5496	68	0.06	0.76	-1.73	-8.23e-04	0.0	2.14e-04
5496	72	0.05	1.27	-1.00	-1.41e-03	0.0	3.60e-04
5496	80	0.05	-0.57	-1.96	4.86e-04	0.0	-1.15e-04
5496	98	0.05	-6.86e-03	-1.60	2.38e-05	0.0	-4.09e-06
5496	102	0.04	0.25	-1.16	-2.71e-04	0.0	6.89e-05
5496	103	0.05	0.25	-1.51	-2.62e-04	0.0	6.88e-05
5496	107	0.05	-6.13e-03	-1.55	2.22e-05	0.0	-4.08e-06
5496	108	2.84	4.62	-0.35	3.54e-04	0.0	-2.82e-04
5496	139	0.74	-6.15	-3.51	1.46e-03	0.0	-2.72e-05
5496	140	3.18	5.21	-0.20	3.96e-04	0.0	-3.17e-04
5496	171	0.83	-6.93	-3.76	1.64e-03	0.0	-2.99e-05
5496	172	3.01	5.14	-0.23	3.71e-04	0.0	-3.11e-04
5496	203	0.85	-6.92	-3.74	1.62e-03	0.0	-2.54e-05
5496	204	3.44	6.00	-0.01	4.19e-04	0.0	-3.61e-04
5496	235	0.98	-8.13	-4.12	1.88e-03	0.0	-2.60e-05
5497	18	8.90e-03	0.80	-2.21	4.55e-04	2.51e-04	-1.29e-05
5497	28	-0.01	-0.47	-2.94	7.02e-04	2.62e-04	3.86e-06
5497	41	-0.01	-0.79	-2.04	5.05e-04	1.79e-04	3.88e-06
5497	75	5.26e-03	0.53	-1.61	3.33e-04	1.83e-04	-8.58e-06
5497	80	-7.49e-03	-0.31	-2.10	4.97e-04	1.90e-04	2.60e-06
5497	85	-0.01	-0.52	-1.49	3.66e-04	1.35e-04	2.61e-06
5497	98	-4.56e-03	5.74e-03	-1.73	3.90e-04	1.72e-04	0.0
5497	103	-2.70e-03	0.11	-1.63	3.60e-04	1.68e-04	-1.05e-06
5497	104	-6.04e-03	-0.10	-1.34	3.05e-04	1.39e-04	0.0
5497	106	-4.93e-03	4.92e-03	-1.30	2.90e-04	1.40e-04	0.0
5497	107	-4.61e-03	5.62e-03	-1.67	3.76e-04	1.68e-04	0.0
5497	111	-2.62	-4.03	-2.85	8.43e-04	4.44e-04	2.93e-04
5497	136	-0.66	5.33	0.18	-3.93e-04	2.53e-04	-2.22e-04
5497	139	0.65	-5.32	-3.51	1.14e-03	8.21e-05	2.23e-04
5497	143	-2.94	-4.53	-3.00	9.02e-04	4.78e-04	3.30e-04
5497	168	-0.75	6.00	0.42	-4.90e-04	2.64e-04	-2.51e-04
5497	171	0.74	-5.99	-3.75	1.24e-03	7.10e-05	2.52e-04
5497	175	-2.78	-4.48	-2.98	8.94e-04	4.56e-04	3.28e-04
5497	200	-0.76	6.00	0.41	-4.85e-04	2.67e-04	-2.55e-04
5497	203	0.75	-5.99	-3.74	1.24e-03	6.89e-05	2.56e-04
5497	207	-3.17	-5.24	-3.21	9.80e-04	4.94e-04	3.84e-04
5497	232	-0.88	7.06	0.76	-6.32e-04	2.84e-04	-3.05e-04
5497	235	0.88	-7.04	-4.09	1.38e-03	5.19e-05	3.06e-04
5498	4	0.09	1.31	-2.59	-1.55e-03	1.35e-06	3.00e-04
5498	19	0.05	2.21	-0.96	-2.66e-03	2.29e-06	5.05e-04
5498	28	0.07	-0.94	-2.94	8.96e-04	0.0	-1.60e-04
5498	68	0.06	0.87	-1.87	-1.03e-03	0.0	2.00e-04
5498	72	0.05	1.47	-1.11	-1.77e-03	1.52e-06	3.35e-04
5498	80	0.05	-0.63	-2.10	5.99e-04	0.0	-1.07e-04
5498	98	0.05	-9.06e-03	-1.73	2.82e-05	0.0	-3.57e-06
5498	102	0.04	0.29	-1.26	-3.40e-04	0.0	6.42e-05
5498	103	0.05	0.29	-1.63	-3.30e-04	0.0	6.42e-05
5498	107	0.05	-8.33e-03	-1.67	2.66e-05	0.0	-3.57e-06
5498	108	2.83	4.43	-0.48	3.09e-04	4.03e-06	-2.93e-04
5498	139	0.74	-6.07	-3.51	1.45e-03	2.20e-06	2.30e-04
5498	140	3.18	4.99	-0.33	3.45e-04	4.54e-06	-3.30e-04
5498	171	0.83	-6.84	-3.75	1.63e-03	2.49e-06	2.61e-04
5498	172	3.01	4.93	-0.35	3.27e-04	4.20e-06	-3.24e-04
5498	203	0.85	-6.83	-3.74	1.61e-03	2.53e-06	2.61e-04
5498	204	3.43	5.75	-0.12	3.70e-04	4.74e-06	-3.76e-04
5498	235	0.98	-8.02	-4.09	1.88e-03	2.97e-06	3.11e-04
5499	4	0.20	1.37	-2.20	-8.57e-04	4.05e-06	6.89e-04
5499	19	0.11	2.33	-0.73	-1.49e-03	6.78e-06	1.16e-03
5499	28	0.17	-1.01	-2.56	5.32e-04	-2.07e-06	-3.59e-04
5499	68	0.14	0.91	-1.58	-5.71e-04	2.70e-06	4.58e-04
5499	72	0.11	1.55	-0.88	-9.86e-04	4.51e-06	7.68e-04
5499	80	0.13	-0.68	-1.81	3.55e-04	-1.38e-06	-2.40e-04
5499	98	0.12	-0.02	-1.47	2.08e-05	0.0	-6.05e-06
5499	102	0.09	0.31	-1.04	-1.89e-04	0.0	1.49e-04
5499	107	0.11	-0.01	-1.41	1.93e-05	0.0	-6.02e-06
5499	108	3.05	5.19	-1.81	3.92e-04	5.43e-06	-2.50e-04
5499	139	0.84	-6.94	-3.49	1.06e-03	-5.84e-06	-5.23e-05
5499	140	3.42	5.85	-1.86	4.39e-04	6.11e-06	-2.81e-04
5499	171	0.93	-7.82	-3.75	1.20e-03	-6.55e-06	-5.75e-05
5499	172	3.24	5.76	-1.84	4.10e-04	5.94e-06	-2.73e-04
5499	203	0.94	-7.81	-3.73	1.19e-03	-6.33e-06	-4.90e-05

5499	204	3.69	6.71	-1.90	4.62e-04	6.89e-06	-3.15e-04
5499	235	1.08	-9.18	-4.13	1.39e-03	-7.34e-06	-5.11e-05
5500	4	0.20	1.78	-2.41	-1.24e-03	0.0	5.89e-04
5500	19	0.11	3.03	-0.85	-2.13e-03	0.0	9.91e-04
5500	28	0.18	-1.23	-2.76	7.30e-04	0.0	-3.11e-04
5500	68	0.14	1.19	-1.73	-8.26e-04	0.0	3.92e-04
5500	72	0.11	2.01	-1.00	-1.41e-03	0.0	6.58e-04
5500	80	0.13	-0.82	-1.96	4.88e-04	0.0	-2.08e-04
5500	98	0.12	-0.02	-1.60	2.38e-05	0.0	-6.83e-06
5500	102	0.09	0.40	-1.16	-2.73e-04	0.0	1.26e-04
5500	107	0.11	-0.02	-1.55	2.23e-05	0.0	-6.79e-06
5500	108	3.02	5.02	-0.35	3.54e-04	0.0	-2.82e-04
5500	139	0.83	-6.90	-3.51	1.46e-03	0.0	-3.69e-05
5500	140	3.38	5.66	-0.20	3.96e-04	0.0	-3.16e-04
5500	171	0.92	-7.77	-3.76	1.64e-03	0.0	-4.03e-05
5500	172	3.20	5.57	-0.23	3.71e-04	0.0	-3.06e-04
5500	203	0.93	-7.76	-3.74	1.62e-03	0.0	-3.36e-05
5500	204	3.65	6.50	-0.01	4.20e-04	0.0	-3.54e-04
5500	235	1.07	-9.11	-4.12	1.88e-03	0.0	-3.41e-05
5501	4	0.19	2.12	-2.60	-1.56e-03	2.96e-06	4.78e-04
5501	19	0.10	3.60	-0.96	-2.66e-03	5.01e-06	8.07e-04
5501	28	0.17	-1.41	-2.94	8.97e-04	-1.59e-06	-2.56e-04
5501	68	0.13	1.41	-1.87	-1.04e-03	1.97e-06	3.18e-04
5501	72	0.10	2.40	-1.11	-1.77e-03	3.32e-06	5.35e-04
5501	80	0.12	-0.94	-2.10	5.99e-04	-1.06e-06	-1.72e-04
5501	98	0.11	-0.02	-1.73	2.82e-05	0.0	-7.23e-06
5501	102	0.09	0.47	-1.26	-3.40e-04	0.0	1.02e-04
5501	107	0.11	-0.02	-1.67	2.66e-05	0.0	-7.18e-06
5501	108	3.00	4.83	-0.49	3.10e-04	7.46e-06	-3.13e-04
5501	139	0.82	-6.82	-3.52	1.45e-03	1.54e-06	2.49e-04
5501	140	3.36	5.44	-0.34	3.45e-04	8.39e-06	-3.52e-04
5501	171	0.91	-7.68	-3.75	1.63e-03	1.74e-06	2.82e-04
5501	172	3.19	5.36	-0.35	3.27e-04	7.83e-06	-3.41e-04
5501	203	0.92	-7.67	-3.74	1.61e-03	1.74e-06	2.79e-04
5501	204	3.63	6.26	-0.13	3.71e-04	8.88e-06	-3.94e-04
5501	235	1.06	-9.00	-4.10	1.88e-03	2.03e-06	3.31e-04
5502	4	0.48	2.78	-2.98	1.67e-03	0.0	4.24e-04
5502	19	0.14	5.34	-1.13	2.65e-03	0.0	7.18e-04
5502	28	0.48	-2.66	-3.32	-6.45e-04	0.0	-2.25e-04
5502	68	0.33	1.83	-2.14	1.12e-03	0.0	2.82e-04
5502	72	0.15	3.47	-1.28	1.78e-03	0.0	4.76e-04
5502	80	0.33	-1.79	-2.36	-4.26e-04	0.0	-1.51e-04
5502	98	0.26	-0.33	-1.96	6.57e-05	0.0	-7.06e-06
5502	105	0.24	-0.78	-1.93	-1.05e-04	0.0	-5.47e-05
5502	107	0.24	-0.31	-1.89	6.30e-05	0.0	-6.93e-06
5502	108	8.21	-0.96	-1.91	1.97e-05	0.0	-4.85e-04
5502	129	-1.78	-11.18	-3.76	-8.06e-05	0.0	-4.20e-04
5502	140	9.21	-1.05	-1.91	1.43e-05	0.0	-5.45e-04
5502	161	-2.04	-12.55	-3.99	-9.87e-05	0.0	-4.73e-04
5502	172	8.78	-1.00	-1.90	1.69e-05	0.0	-5.34e-04
5502	193	-2.06	-12.46	-3.97	-9.82e-05	0.0	-4.75e-04
5502	204	10.03	-1.12	-1.89	9.83e-06	0.0	-6.21e-04
5502	225	-2.43	-14.51	-4.32	-1.26e-04	0.0	-5.63e-04
5503	4	0.04	0.50	-3.25	-7.59e-04	1.19e-04	-3.06e-06
5503	18	0.03	0.81	-3.03	-7.39e-04	1.19e-04	-2.29e-06
5503	52	0.04	0.01	-3.09	-6.92e-04	1.20e-04	-3.65e-06
5503	68	0.03	0.33	-2.31	-5.41e-04	9.16e-05	-2.21e-06
5503	75	0.02	0.54	-2.16	-5.27e-04	9.16e-05	-1.70e-06
5503	92	0.03	0.01	-2.20	-4.97e-04	9.21e-05	-2.61e-06
5503	98	0.03	8.56e-03	-1.90	-4.34e-04	9.15e-05	-2.24e-06
5503	103	0.02	0.12	-1.86	-4.34e-04	9.15e-05	-2.03e-06
5503	107	0.02	8.19e-03	-1.83	-4.19e-04	9.16e-05	-2.16e-06
5503	112	8.90	1.99	-2.95	-5.53e-04	-2.75e-05	-3.60e-04
5503	132	5.19	4.52	-3.59	-1.06e-03	1.66e-05	-2.19e-04
5503	136	5.09	4.52	-3.59	-1.10e-03	1.49e-05	-2.21e-04
5503	144	10.03	2.24	-3.10	-5.69e-04	-4.26e-05	-4.05e-04
5503	164	5.85	5.08	-3.81	-1.14e-03	7.04e-06	-2.47e-04
5503	168	5.76	5.09	-3.81	-1.19e-03	5.06e-06	-2.50e-04
5503	176	10.10	2.21	-3.09	-5.70e-04	-4.05e-05	-4.03e-04
5503	200	5.93	5.03	-3.80	-1.18e-03	4.71e-06	-2.54e-04
5503	216	12.19	2.65	-3.35	-7.62e-04	-7.88e-05	-5.11e-04
5503	232	7.11	5.86	-4.14	-1.30e-03	-1.18e-05	-3.03e-04
5504	4	0.06	0.70	-3.25	-3.94e-04	0.0	1.84e-04
5504	44	0.06	-1.52	-2.49	1.35e-03	0.0	-6.61e-04
5504	52	0.07	-7.48e-03	-3.09	4.28e-05	0.0	-1.15e-05

5504	68	0.05	0.47	-2.31	-2.61e-04	0.0	1.22e-04
5504	88	0.04	-1.01	-1.80	9.04e-04	0.0	-4.41e-04
5504	92	0.05	-5.11e-03	-2.20	2.98e-05	0.0	-8.21e-06
5504	98	0.04	-4.09e-03	-1.90	2.43e-05	0.0	-7.00e-06
5504	105	0.04	-0.21	-1.79	1.99e-04	0.0	-9.35e-05
5504	107	0.04	-3.79e-03	-1.83	2.30e-05	0.0	-6.74e-06
5504	112	9.06	2.26	-2.95	-5.08e-04	0.0	-3.43e-04
5504	132	5.29	5.07	-3.59	-1.05e-03	0.0	2.07e-05
5504	139	-5.11	-5.08	-0.06	1.10e-03	0.0	-3.09e-05
5504	144	10.21	2.54	-3.10	-5.75e-04	0.0	-3.85e-04
5504	164	5.97	5.70	-3.81	-1.19e-03	0.0	2.45e-05
5504	171	-5.79	-5.72	0.16	1.24e-03	0.0	-3.38e-05
5504	176	10.29	2.51	-3.09	-5.70e-04	0.0	-3.83e-04
5504	200	6.05	5.65	-3.80	-1.18e-03	0.0	1.63e-05
5504	203	-5.97	-5.65	0.15	1.22e-03	0.0	-2.98e-05
5504	216	12.40	3.02	-3.35	-6.98e-04	0.0	-4.94e-04
5504	232	7.25	6.58	-4.14	-1.38e-03	0.0	1.73e-05
5504	235	-7.17	-6.59	0.48	1.43e-03	0.0	-3.07e-05
5505	4	0.04	0.49	-3.32	-7.58e-04	9.55e-05	-2.95e-06
5505	45	0.01	-0.82	-1.11	-2.07e-04	7.64e-05	-1.61e-06
5505	52	0.05	0.01	-3.16	-6.92e-04	9.58e-05	-3.57e-06
5505	68	0.03	0.33	-2.36	-5.40e-04	7.37e-05	-2.14e-06
5505	75	0.02	0.54	-2.22	-5.27e-04	7.39e-05	-1.62e-06
5505	92	0.03	8.91e-03	-2.26	-4.96e-04	7.39e-05	-2.55e-06
5505	98	0.03	7.24e-03	-1.96	-4.33e-04	7.41e-05	-2.20e-06
5505	103	0.02	0.11	-1.92	-4.33e-04	7.41e-05	-1.98e-06
5505	107	0.02	6.91e-03	-1.88	-4.19e-04	7.42e-05	-2.11e-06
5505	112	8.90	1.79	-2.87	-5.69e-04	-1.46e-04	-3.60e-04
5505	132	5.19	4.44	-3.60	-1.06e-03	-5.63e-05	-2.19e-04
5505	136	5.09	4.44	-3.59	-1.09e-03	-5.73e-05	-2.21e-04
5505	144	10.03	2.01	-2.99	-5.88e-04	-1.74e-04	-4.05e-04
5505	164	5.85	4.99	-3.81	-1.14e-03	-7.31e-05	-2.47e-04
5505	168	5.76	4.99	-3.81	-1.18e-03	-7.45e-05	-2.50e-04
5505	176	10.10	1.99	-2.98	-5.87e-04	-1.74e-04	-4.03e-04
5505	200	5.93	4.93	-3.79	-1.16e-03	-7.78e-05	-2.54e-04
5505	216	12.19	2.36	-3.20	-7.33e-04	-2.39e-04	-5.11e-04
5505	232	7.12	5.74	-4.12	-1.29e-03	-1.08e-04	-3.03e-04
5506	4	0.06	0.81	-3.32	-5.99e-04	0.0	1.66e-04
5506	44	0.06	-1.90	-2.57	2.07e-03	0.0	-5.99e-04
5506	52	0.07	-0.01	-3.16	5.09e-05	0.0	-1.10e-05
5506	68	0.04	0.54	-2.36	-3.97e-04	0.0	1.10e-04
5506	88	0.04	-1.27	-1.86	1.38e-03	0.0	-4.00e-04
5506	92	0.05	-9.81e-03	-2.26	3.56e-05	0.0	-7.83e-06
5506	98	0.04	-8.10e-03	-1.95	2.92e-05	0.0	-6.69e-06
5506	105	0.04	-0.26	-1.85	2.98e-04	0.0	-8.50e-05
5506	107	0.04	-7.66e-03	-1.88	2.77e-05	0.0	-6.44e-06
5506	112	9.06	2.03	-2.87	-4.60e-04	0.0	-4.23e-04
5506	132	5.29	5.00	-3.60	-1.08e-03	0.0	-2.57e-04
5506	139	-5.12	-5.02	-0.17	1.14e-03	0.0	2.47e-04
5506	144	10.21	2.28	-2.99	-5.22e-04	0.0	-4.76e-04
5506	164	5.97	5.63	-3.81	-1.22e-03	0.0	-2.89e-04
5506	171	-5.79	-5.65	0.04	1.28e-03	0.0	2.80e-04
5506	176	10.29	2.26	-2.98	-5.16e-04	0.0	-4.74e-04
5506	200	6.05	5.56	-3.79	-1.21e-03	0.0	-2.96e-04
5506	203	-5.97	-5.58	0.03	1.26e-03	0.0	2.84e-04
5506	216	12.40	2.69	-3.20	-6.25e-04	0.0	-6.01e-04
5506	232	7.25	6.48	-4.12	-1.41e-03	0.0	-3.53e-04
5506	235	-7.17	-6.50	0.35	1.47e-03	0.0	3.40e-04
5507	4	0.04	0.49	-3.38	-7.58e-04	5.96e-05	-2.94e-06
5507	45	0.01	-0.82	-1.16	-2.07e-04	4.86e-05	-1.60e-06
5507	52	0.05	0.01	-3.21	-6.91e-04	5.95e-05	-3.56e-06
5507	68	0.03	0.33	-2.40	-5.40e-04	4.61e-05	-2.13e-06
5507	85	0.01	-0.54	-1.31	-2.58e-04	4.82e-05	-1.66e-06
5507	92	0.03	7.38e-03	-2.30	-4.95e-04	4.61e-05	-2.54e-06
5507	98	0.03	5.92e-03	-2.00	-4.33e-04	4.68e-05	-2.19e-06
5507	103	0.02	0.11	-1.96	-4.33e-04	4.69e-05	-1.97e-06
5507	107	0.03	5.65e-03	-1.92	-4.18e-04	4.69e-05	-2.11e-06
5507	112	8.90	1.59	-2.74	-5.85e-04	-1.94e-04	-3.60e-04
5507	132	5.19	4.36	-3.58	-1.06e-03	-9.55e-05	-2.19e-04
5507	144	10.03	1.79	-2.84	-6.06e-04	-2.25e-04	-4.05e-04
5507	164	5.86	4.90	-3.79	-1.14e-03	-1.14e-04	-2.47e-04
5507	176	10.11	1.76	-2.83	-6.05e-04	-2.25e-04	-4.03e-04
5507	200	5.93	4.84	-3.77	-1.15e-03	-2.19e-04	-2.54e-04
5507	216	12.19	2.08	-3.00	-7.05e-04	-2.95e-04	-5.11e-04
5507	232	7.12	5.63	-4.08	-1.27e-03	-1.52e-04	-3.03e-04

5508	4	0.06	0.90	-3.38	-7.68e-04	0.0	1.57e-04
5508	44	0.06	-2.23	-2.62	2.67e-03	0.0	-5.66e-04
5508	52	0.07	-0.02	-3.21	5.92e-05	0.0	-1.09e-05
5508	68	0.04	0.60	-2.40	-5.10e-04	0.0	1.04e-04
5508	88	0.04	-1.49	-1.90	1.78e-03	0.0	-3.78e-04
5508	92	0.05	-0.01	-2.30	4.15e-05	0.0	-7.74e-06
5508	98	0.04	-0.01	-2.00	3.42e-05	0.0	-6.61e-06
5508	105	0.04	-0.31	-1.89	3.82e-04	0.0	-8.05e-05
5508	107	0.04	-0.01	-1.92	3.25e-05	0.0	-6.36e-06
5508	112	9.06	1.80	-2.74	-3.98e-04	0.0	-4.25e-04
5508	132	5.29	4.93	-3.58	-1.08e-03	0.0	-2.57e-04
5508	135	-5.21	-4.95	-0.26	1.14e-03	0.0	2.44e-04
5508	144	10.21	2.02	-2.84	-4.52e-04	0.0	-4.78e-04
5508	164	5.97	5.54	-3.79	-1.22e-03	0.0	-2.89e-04
5508	167	-5.89	-5.57	-0.06	1.28e-03	0.0	2.77e-04
5508	176	10.29	2.00	-2.83	-4.46e-04	0.0	-4.75e-04
5508	200	6.04	5.47	-3.77	-1.20e-03	0.0	-2.97e-04
5508	203	-5.97	-5.49	-0.08	1.27e-03	0.0	2.85e-04
5508	216	12.40	2.36	-3.00	-5.34e-04	0.0	-6.03e-04
5508	232	7.24	6.37	-4.08	-1.40e-03	0.0	-3.54e-04
5508	235	-7.17	-6.39	0.23	1.47e-03	0.0	3.41e-04
5509	4	0.10	0.91	-3.25	-3.95e-04	0.0	3.58e-04
5509	44	0.10	-2.22	-2.49	1.36e-03	0.0	-1.26e-03
5509	52	0.11	-0.03	-3.09	4.28e-05	0.0	-1.67e-05
5509	68	0.07	0.60	-2.31	-2.62e-04	0.0	2.38e-04
5509	88	0.07	-1.48	-1.80	9.06e-04	0.0	-8.43e-04
5509	92	0.08	-0.02	-2.20	2.98e-05	0.0	-1.19e-05
5509	98	0.07	-0.02	-1.90	2.43e-05	0.0	-1.02e-05
5509	105	0.06	-0.31	-1.79	1.99e-04	0.0	-1.76e-04
5509	107	0.07	-0.02	-1.83	2.30e-05	0.0	-9.79e-06
5509	112	9.22	2.52	-2.95	-5.09e-04	0.0	-3.74e-04
5509	132	5.40	5.62	-3.59	-1.05e-03	0.0	3.87e-05
5509	139	-5.16	-5.66	-0.07	1.10e-03	0.0	-5.42e-05
5509	144	10.39	2.84	-3.09	-5.76e-04	0.0	-4.20e-04
5509	164	6.08	6.33	-3.81	-1.19e-03	0.0	4.48e-05
5509	171	-5.85	-6.36	0.16	1.24e-03	0.0	-5.92e-05
5509	176	10.47	2.81	-3.08	-5.71e-04	0.0	-4.19e-04
5509	200	6.16	6.26	-3.80	-1.18e-03	0.0	3.24e-05
5509	203	-6.03	-6.30	0.14	1.22e-03	0.0	-5.20e-05
5509	216	12.60	3.38	-3.34	-6.98e-04	0.0	-5.44e-04
5509	232	7.38	7.31	-4.13	-1.38e-03	0.0	3.46e-05
5509	235	-7.25	-7.34	0.48	1.43e-03	0.0	-5.42e-05
5510	4	0.10	1.12	-3.32	-6.01e-04	0.0	3.09e-04
5510	44	0.09	-2.99	-2.57	2.08e-03	0.0	-1.10e-03
5510	52	0.10	-0.04	-3.16	5.09e-05	0.0	-1.72e-05
5510	68	0.07	0.75	-2.36	-3.99e-04	0.0	2.05e-04
5510	88	0.06	-1.99	-1.86	1.39e-03	0.0	-7.34e-04
5510	92	0.07	-0.03	-2.26	3.56e-05	0.0	-1.23e-05
5510	98	0.06	-0.02	-1.95	2.92e-05	0.0	-1.05e-05
5510	105	0.06	-0.42	-1.85	2.99e-04	0.0	-1.55e-04
5510	107	0.06	-0.02	-1.88	2.77e-05	0.0	-1.01e-05
5510	112	9.18	2.27	-2.87	-4.61e-04	0.0	-3.87e-04
5510	132	5.37	5.57	-3.60	-1.08e-03	0.0	2.37e-05
5510	139	-5.15	-5.61	-0.17	1.14e-03	0.0	-4.00e-05
5510	144	10.34	2.56	-2.99	-5.22e-04	0.0	-4.35e-04
5510	164	6.05	6.27	-3.81	-1.22e-03	0.0	2.82e-05
5510	171	-5.83	-6.31	0.04	1.28e-03	0.0	-4.34e-05
5510	176	10.42	2.53	-2.98	-5.17e-04	0.0	-4.33e-04
5510	200	6.13	6.20	-3.79	-1.21e-03	0.0	1.82e-05
5510	203	-6.01	-6.24	0.03	1.26e-03	0.0	-3.84e-05
5510	216	12.54	3.02	-3.20	-6.25e-04	0.0	-5.59e-04
5510	232	7.34	7.22	-4.12	-1.41e-03	0.0	1.94e-05
5510	235	-7.22	-7.27	0.35	1.47e-03	0.0	-3.95e-05
5511	4	0.08	1.30	-3.38	-7.69e-04	0.0	2.52e-04
5511	44	0.08	-3.63	-2.62	2.67e-03	0.0	-9.12e-04
5511	52	0.09	-0.05	-3.21	5.92e-05	0.0	-1.73e-05
5511	68	0.06	0.87	-2.40	-5.10e-04	0.0	1.67e-04
5511	88	0.06	-2.42	-1.90	1.78e-03	0.0	-6.09e-04
5511	92	0.06	-0.04	-2.30	4.15e-05	0.0	-1.23e-05
5511	98	0.06	-0.03	-2.00	3.42e-05	0.0	-1.05e-05
5511	105	0.05	-0.51	-1.89	3.82e-04	0.0	-1.30e-04
5511	107	0.05	-0.03	-1.92	3.25e-05	0.0	-1.01e-05
5511	112	9.15	2.01	-2.75	-3.98e-04	0.0	-4.88e-04
5511	132	5.35	5.49	-3.59	-1.08e-03	0.0	-2.96e-04
5511	135	-5.24	-5.55	-0.26	1.14e-03	0.0	2.76e-04

5511	144	10.31	2.26	-2.85	-4.52e-04	0.0	-5.48e-04
5511	164	6.03	6.18	-3.79	-1.22e-03	0.0	-3.33e-04
5511	167	-5.93	-6.24	-0.05	1.28e-03	0.0	3.13e-04
5511	176	10.39	2.23	-2.84	-4.47e-04	0.0	-5.46e-04
5511	200	6.11	6.10	-3.77	-1.20e-03	0.0	-3.43e-04
5511	203	-6.00	-6.16	-0.08	1.27e-03	0.0	3.22e-04
5511	216	12.51	2.64	-3.01	-5.35e-04	0.0	-6.92e-04
5511	232	7.32	7.10	-4.08	-1.41e-03	0.0	-4.07e-04
5511	235	-7.21	-7.16	0.23	1.47e-03	0.0	3.87e-04
5512	4	0.49	2.96	-2.92	1.76e-03	0.0	1.59e-04
5512	19	0.15	5.64	-1.12	2.79e-03	0.0	2.75e-04
5512	28	0.49	-2.75	-3.26	-6.90e-04	0.0	-9.17e-05
5512	68	0.34	1.95	-2.10	1.18e-03	0.0	1.05e-04
5512	72	0.16	3.67	-1.28	1.88e-03	0.0	1.81e-04
5512	80	0.34	-1.86	-2.33	-4.56e-04	0.0	-6.19e-05
5512	98	0.27	-0.33	-1.93	6.47e-05	0.0	-6.77e-06
5512	105	0.25	-0.81	-1.90	-1.15e-04	0.0	-2.49e-05
5512	107	0.25	-0.32	-1.87	6.21e-05	0.0	-6.65e-06
5512	108	8.22	-1.27	-1.93	2.41e-05	7.15e-06	-5.61e-04
5512	129	-1.77	-11.32	-3.78	-5.72e-05	-1.16e-05	3.13e-05
5512	140	9.21	-1.39	-1.94	1.93e-05	8.04e-06	-6.32e-04
5512	161	-2.03	-12.71	-4.02	-7.21e-05	-1.31e-05	3.56e-05
5512	172	8.78	-1.34	-1.93	2.13e-05	7.80e-06	-6.21e-04
5512	193	-2.05	-12.62	-3.99	-7.18e-05	-1.28e-05	2.71e-05
5512	204	10.03	-1.51	-1.93	1.49e-05	9.03e-06	-7.24e-04
5512	225	-2.42	-14.71	-4.35	-9.46e-05	-1.50e-05	2.74e-05
5513	4	0.41	0.89	-3.28	1.12e-03	0.0	-3.03e-04
5513	28	0.41	-1.84	-3.61	-3.97e-04	0.0	1.20e-04
5513	44	0.35	-2.58	-3.37	-7.33e-04	0.0	2.17e-04
5513	68	0.29	0.57	-2.35	7.49e-04	0.0	-2.03e-04
5513	80	0.28	-1.25	-2.57	-2.61e-04	0.0	7.90e-05
5513	88	0.24	-1.75	-2.40	-4.84e-04	0.0	1.43e-04
5513	98	0.22	-0.36	-2.12	5.41e-05	0.0	-1.31e-05
5513	105	0.21	-0.62	-2.08	-5.65e-05	0.0	1.89e-05
5513	107	0.21	-0.35	-2.04	5.20e-05	0.0	-1.26e-05
5513	108	8.28	1.55	-1.16	-1.65e-05	0.0	-4.95e-04
5513	127	-5.47	-9.07	-3.87	1.90e-04	0.0	-5.51e-05
5513	129	-1.83	-9.57	-3.67	1.73e-04	0.0	-3.88e-04
5513	140	9.29	1.79	-1.05	-2.51e-05	0.0	-5.56e-04
5513	159	-6.17	-10.16	-4.10	2.08e-04	0.0	-6.08e-05
5513	161	-2.10	-10.72	-3.87	1.88e-04	0.0	-4.37e-04
5513	172	8.86	1.76	-1.09	-2.20e-05	0.0	-5.47e-04
5513	191	-5.91	-10.03	-4.06	2.05e-04	0.0	-6.11e-05
5513	193	-2.11	-10.59	-3.85	1.87e-04	0.0	-4.37e-04
5513	204	10.13	2.10	-0.94	-3.31e-05	0.0	-6.35e-04
5513	223	-6.83	-11.61	-4.38	2.30e-04	0.0	-7.19e-05
5513	225	-2.49	-12.27	-4.15	2.10e-04	0.0	-5.17e-04
5514	4	0.42	0.70	-3.20	7.91e-04	2.74e-06	-3.12e-04
5514	28	0.41	-1.77	-3.53	-2.40e-04	-1.36e-06	1.23e-04
5514	44	0.35	-2.46	-3.28	-4.67e-04	-2.28e-06	2.22e-04
5514	68	0.29	0.45	-2.28	5.31e-04	1.83e-06	-2.09e-04
5514	80	0.28	-1.20	-2.51	-1.56e-04	0.0	8.08e-05
5514	88	0.25	-1.66	-2.34	-3.07e-04	-1.52e-06	1.47e-04
5514	98	0.22	-0.37	-2.06	5.24e-05	0.0	-1.37e-05
5514	105	0.21	-0.61	-2.02	-2.22e-05	0.0	1.91e-05
5514	107	0.21	-0.36	-1.98	5.05e-05	0.0	-1.32e-05
5514	108	8.28	1.22	-1.00	-5.82e-05	2.48e-06	-4.94e-04
5514	127	-5.47	-9.00	-3.87	2.76e-04	-5.89e-06	-5.42e-05
5514	129	-1.83	-9.69	-3.62	2.49e-04	-5.90e-06	-3.86e-04
5514	140	9.29	1.42	-0.87	-7.18e-05	2.79e-06	-5.54e-04
5514	159	-6.17	-10.08	-4.11	3.04e-04	-6.63e-06	-5.97e-05
5514	161	-2.09	-10.86	-3.82	2.74e-04	-6.64e-06	-4.34e-04
5514	172	8.86	1.40	-0.92	-6.71e-05	2.71e-06	-5.46e-04
5514	191	-5.91	-9.96	-4.07	3.00e-04	-6.51e-06	-5.92e-05
5514	193	-2.11	-10.73	-3.81	2.72e-04	-6.53e-06	-4.34e-04
5514	204	10.13	1.69	-0.76	-8.47e-05	3.15e-06	-6.34e-04
5514	223	-6.82	-11.53	-4.41	3.41e-04	-7.57e-06	-6.91e-05
5514	225	-2.48	-12.45	-4.11	3.09e-04	-7.60e-06	-5.13e-04
5515	4	0.42	0.33	-3.35	4.58e-04	-7.98e-05	8.59e-06
5515	28	0.41	-1.63	-3.68	5.62e-04	-7.90e-05	-2.90e-05
5515	44	0.35	-2.20	-3.43	5.44e-04	-7.77e-05	-3.57e-05
5515	68	0.29	0.19	-2.40	3.32e-04	-6.06e-05	4.75e-06
5515	80	0.28	-1.11	-2.62	4.02e-04	-2.01e-05	-2.03e-05
5515	88	0.24	-1.49	-2.45	3.89e-04	-5.92e-05	-2.48e-05
5515	98	0.22	-0.38	-2.17	3.30e-04	-5.88e-05	-1.09e-05

5515	105	0.21	-0.58	-2.13	3.30e-04	-5.85e-05	-1.33e-05
5515	107	0.21	-0.37	-2.09	3.19e-04	-5.86e-05	-1.06e-05
5515	108	8.32	1.85	-1.32	1.02e-04	-1.99e-04	-4.94e-04
5515	127	-5.49	-9.19	-3.84	8.88e-04	4.32e-05	-7.96e-05
5515	129	-1.84	-9.49	-3.70	8.60e-04	-2.61e-05	-4.20e-04
5515	140	9.33	2.13	-1.22	7.56e-05	-2.16e-04	-5.55e-04
5515	159	-6.19	-10.29	-4.06	9.59e-04	5.58e-05	-8.89e-05
5515	161	-2.10	-10.62	-3.90	9.28e-04	-2.19e-05	-4.72e-04
5515	172	8.90	2.10	-1.25	8.27e-05	-2.05e-04	-5.45e-04
5515	191	-5.93	-10.15	-4.03	9.48e-04	4.98e-05	-9.19e-05
5515	193	-2.12	-10.48	-3.88	9.20e-04	-2.19e-05	-4.75e-04
5515	204	10.18	2.50	-1.12	4.61e-05	-2.25e-04	-6.32e-04
5515	223	-6.86	-11.75	-4.34	1.05e-03	6.56e-05	-1.10e-04
5515	225	-2.49	-12.14	-4.17	1.02e-03	-1.59e-05	-5.63e-04
5516	4	0.42	0.33	-3.28	4.58e-04	-1.10e-04	-2.15e-05
5516	28	0.41	-1.64	-3.61	5.63e-04	-1.10e-04	-1.52e-05
5516	44	0.35	-2.22	-3.37	5.44e-04	-1.08e-04	-1.19e-05
5516	68	0.29	0.19	-2.35	3.32e-04	-8.39e-05	-1.54e-05
5516	80	0.28	-1.12	-2.57	4.02e-04	-8.39e-05	-1.11e-05
5516	88	0.24	-1.50	-2.40	3.89e-04	-8.26e-05	-8.99e-06
5516	98	0.22	-0.39	-2.12	3.31e-04	-8.22e-05	-1.14e-05
5516	105	0.21	-0.59	-2.08	3.30e-04	-8.18e-05	-1.05e-05
5516	107	0.21	-0.37	-2.04	3.19e-04	-8.18e-05	-1.11e-05
5516	108	8.32	1.54	-1.16	9.21e-05	-2.22e-04	-4.96e-04
5516	127	-5.49	-9.16	-3.87	8.94e-04	1.82e-05	-7.04e-05
5516	129	-1.84	-9.66	-3.67	8.60e-04	-5.15e-05	-4.10e-04
5516	140	9.33	1.77	-1.05	6.39e-05	-2.40e-04	-5.57e-04
5516	159	-6.19	-10.26	-4.10	9.66e-04	3.06e-05	-7.84e-05
5516	161	-2.10	-10.82	-3.87	9.27e-04	-4.76e-05	-4.61e-04
5516	172	8.90	1.75	-1.09	7.19e-05	-2.29e-04	-5.47e-04
5516	191	-5.93	-10.13	-4.06	9.55e-04	2.44e-05	-8.08e-05
5516	193	-2.12	-10.69	-3.85	9.20e-04	-4.77e-05	-4.63e-04
5516	204	10.18	2.09	-0.94	3.37e-05	-2.48e-04	-6.35e-04
5516	223	-6.86	-11.72	-4.39	1.06e-03	3.98e-05	-9.63e-05
5516	225	-2.49	-12.38	-4.15	1.02e-03	-4.23e-05	-5.48e-04
5517	18	0.02	0.82	-2.50	5.30e-04	8.32e-05	3.38e-05
5517	28	-1.51e-03	-0.47	-3.26	7.82e-04	9.68e-05	-4.69e-06
5517	75	0.01	0.55	-1.81	3.87e-04	5.50e-05	2.28e-05
5517	80	-1.00e-03	-0.31	-2.32	5.55e-04	6.41e-05	-2.89e-06
5517	98	1.17e-03	0.01	-1.92	4.40e-04	4.75e-05	3.52e-06
5517	103	2.80e-03	0.12	-1.81	4.09e-04	4.36e-05	7.19e-06
5517	107	1.07e-03	9.78e-03	-1.85	4.25e-04	4.32e-05	3.38e-06
5517	108	2.61	3.47	-0.73	1.63e-05	-1.23e-04	-2.79e-04
5517	127	-1.88	-4.72	-3.66	1.11e-03	1.58e-04	-2.78e-05
5517	136	-0.66	5.12	-0.15	-3.20e-04	9.57e-05	-2.14e-04
5517	140	2.94	3.91	-0.59	-3.49e-05	-1.44e-04	-3.15e-04
5517	159	-2.11	-5.31	-3.88	1.19e-03	1.72e-04	-3.23e-05
5517	168	-0.74	5.76	0.06	-4.13e-04	1.03e-04	-2.42e-04
5517	172	2.77	3.86	-0.60	-2.69e-05	-1.30e-04	-3.12e-04
5517	191	-2.02	-5.20	-3.85	1.18e-03	1.64e-04	-3.50e-05
5517	200	-0.75	5.74	0.05	-4.06e-04	1.04e-04	-2.46e-04
5517	204	3.16	4.51	-0.39	-1.01e-04	-1.53e-04	-3.66e-04
5517	223	-2.32	-6.04	-4.17	1.30e-03	1.81e-04	-4.41e-05
5517	232	-0.88	6.74	0.37	-5.47e-04	1.14e-04	-2.94e-04
5518	4	0.07	1.29	-2.92	-1.50e-03	-1.69e-06	-3.22e-04
5518	19	0.04	2.18	-1.09	-2.58e-03	-2.81e-06	-5.44e-04
5518	28	0.06	-0.94	-3.25	8.84e-04	0.0	1.68e-04
5518	68	0.05	0.86	-2.09	-9.95e-04	-1.13e-06	-2.15e-04
5518	72	0.03	1.45	-1.25	-1.71e-03	-1.88e-06	-3.62e-04
5518	80	0.04	-0.62	-2.32	5.92e-04	0.0	1.12e-04
5518	98	0.04	-8.82e-03	-1.92	3.61e-05	0.0	3.28e-06
5518	102	0.03	0.29	-1.40	-3.23e-04	0.0	-7.06e-05
5518	103	0.04	0.28	-1.81	-3.12e-04	0.0	-6.97e-05
5518	107	0.03	-8.23e-03	-1.85	3.44e-05	0.0	3.13e-06
5518	108	2.82	3.82	-0.73	-6.81e-04	3.80e-06	-3.09e-04
5518	127	-1.96	-5.32	-3.66	1.15e-03	-3.33e-06	-3.03e-05
5518	139	0.73	-5.79	-3.54	1.33e-03	-1.92e-06	2.52e-04
5518	140	3.17	4.30	-0.59	-7.70e-04	4.28e-06	-3.49e-04
5518	159	-2.21	-5.98	-3.88	1.29e-03	-3.74e-06	-3.49e-05
5518	171	0.82	-6.52	-3.76	1.49e-03	-2.14e-06	2.84e-04
5518	172	3.00	4.25	-0.60	-7.53e-04	4.00e-06	-3.43e-04
5518	191	-2.11	-5.86	-3.85	1.26e-03	-3.61e-06	-3.69e-05
5518	203	0.84	-6.50	-3.75	1.48e-03	-1.91e-06	2.86e-04
5518	204	3.42	4.96	-0.39	-8.80e-04	4.55e-06	-4.01e-04
5518	223	-2.43	-6.80	-4.17	1.46e-03	-4.15e-06	-4.62e-05

5518	235	0.97	-7.62	-4.07	1.72e-03	-2.14e-06	3.40e-04
5519	18	0.02	0.83	-2.53	5.55e-04	4.47e-05	7.50e-06
5519	28	7.62e-04	-0.47	-3.30	8.09e-04	5.94e-05	5.56e-06
5519	75	0.01	0.56	-1.83	4.05e-04	2.56e-05	5.33e-06
5519	80	6.74e-04	-0.31	-2.34	5.75e-04	3.54e-05	4.04e-06
5519	98	2.56e-03	0.01	-1.93	4.57e-04	1.90e-05	4.56e-06
5519	103	4.11e-03	0.12	-1.82	4.26e-04	1.50e-05	4.50e-06
5519	107	2.44e-03	0.01	-1.86	4.41e-04	1.46e-05	4.39e-06
5519	108	2.61	3.28	-0.70	5.22e-05	-1.36e-04	-2.83e-04
5519	127	-1.88	-4.68	-3.72	1.12e-03	1.18e-04	-2.35e-05
5519	136	-0.66	5.05	-0.23	-2.95e-04	6.17e-05	-2.15e-04
5519	140	2.94	3.70	-0.56	3.55e-06	-1.54e-04	-3.19e-04
5519	159	-2.11	-5.26	-3.95	1.20e-03	1.31e-04	-2.75e-05
5519	168	-0.74	5.69	-0.02	-3.88e-04	6.79e-05	-2.43e-04
5519	172	2.77	3.65	-0.57	1.16e-05	-1.42e-04	-3.17e-04
5519	191	-2.02	-5.16	-3.92	1.19e-03	1.24e-04	-3.01e-05
5519	200	-0.75	5.67	-0.03	-3.80e-04	6.87e-05	-2.47e-04
5519	204	3.17	4.26	-0.34	-5.86e-05	-1.63e-04	-3.71e-04
5519	223	-2.31	-5.99	-4.25	1.31e-03	1.39e-04	-3.86e-05
5519	232	-0.88	6.64	0.28	-5.18e-04	7.79e-05	-2.96e-04
5520	4	0.07	1.10	-2.96	-1.13e-03	0.0	-3.45e-04
5520	19	0.03	1.86	-1.09	-1.97e-03	0.0	-5.83e-04
5520	28	0.05	-0.84	-3.30	7.05e-04	0.0	1.80e-04
5520	68	0.05	0.74	-2.12	-7.54e-04	0.0	-2.30e-04
5520	72	0.03	1.24	-1.25	-1.31e-03	0.0	-3.88e-04
5520	80	0.04	-0.56	-2.34	4.72e-04	0.0	1.20e-04
5520	98	0.03	-6.81e-03	-1.93	3.69e-05	0.0	3.59e-06
5520	102	0.02	0.25	-1.40	-2.42e-04	0.0	-7.56e-05
5520	103	0.03	0.24	-1.82	-2.31e-04	0.0	-7.47e-05
5520	107	0.03	-6.30e-03	-1.86	3.51e-05	0.0	3.44e-06
5520	108	2.82	3.62	-0.70	-6.36e-04	0.0	-3.16e-04
5520	127	-1.97	-5.27	-3.72	1.14e-03	0.0	-2.58e-05
5520	139	0.73	-5.68	-3.49	1.26e-03	0.0	2.62e-04
5520	140	3.17	4.07	-0.56	-7.20e-04	0.0	-3.57e-04
5520	159	-2.21	-5.93	-3.95	1.27e-03	0.0	-2.99e-05
5520	171	0.82	-6.40	-3.70	1.41e-03	0.0	2.95e-04
5520	172	3.00	4.02	-0.57	-7.08e-04	0.0	-3.51e-04
5520	191	-2.11	-5.81	-3.92	1.25e-03	0.0	-3.14e-05
5520	203	0.84	-6.37	-3.69	1.40e-03	0.0	2.98e-04
5520	204	3.42	4.70	-0.34	-8.30e-04	0.0	-4.10e-04
5520	223	-2.43	-6.74	-4.25	1.44e-03	0.0	-3.97e-05
5520	235	0.97	-7.47	-4.00	1.63e-03	0.0	3.54e-04
5521	18	0.02	0.83	-2.54	5.80e-04	1.82e-05	-1.07e-05
5521	28	2.56e-03	-0.46	-3.31	8.36e-04	3.47e-05	1.41e-05
5521	75	0.01	0.55	-1.83	4.23e-04	5.46e-06	-6.70e-06
5521	80	1.95e-03	-0.31	-2.35	5.94e-04	1.65e-05	9.84e-06
5521	98	3.50e-03	0.02	-1.93	4.74e-04	0.0	5.94e-06
5521	103	4.95e-03	0.12	-1.82	4.42e-04	-3.85e-06	3.15e-06
5521	107	3.35e-03	0.02	-1.86	4.57e-04	-4.05e-06	5.73e-06
5521	108	2.61	3.10	-0.66	8.80e-05	6.38e-05	-2.86e-04
5521	127	-1.87	-4.63	-3.76	1.13e-03	2.52e-06	-1.93e-05
5521	136	-0.66	4.98	-0.27	-2.71e-04	5.78e-05	-2.16e-04
5521	140	2.94	3.48	-0.51	4.17e-05	7.23e-05	-3.23e-04
5521	159	-2.11	-5.21	-4.00	1.21e-03	3.37e-06	-2.29e-05
5521	168	-0.74	5.61	-0.07	-3.62e-04	6.57e-05	-2.45e-04
5521	172	2.77	3.44	-0.52	4.98e-05	6.99e-05	-3.20e-04
5521	191	-2.01	-5.11	-3.96	1.20e-03	3.29e-06	-2.54e-05
5521	200	-0.75	5.58	-0.09	-3.54e-04	6.56e-05	-2.48e-04
5521	204	3.16	4.02	-0.29	-1.65e-05	8.17e-05	-3.76e-04
5521	223	-2.31	-5.93	-4.31	1.31e-03	4.85e-06	-3.32e-05
5521	232	-0.88	6.53	0.21	-4.90e-04	7.84e-05	-2.98e-04
5522	4	0.06	0.88	-2.98	-7.13e-04	-3.69e-06	-3.85e-04
5522	19	0.03	1.49	-1.07	-1.27e-03	-6.12e-06	-6.50e-04
5522	28	0.05	-0.72	-3.31	4.98e-04	1.81e-06	2.01e-04
5522	68	0.04	0.59	-2.13	-4.73e-04	-2.46e-06	-2.56e-04
5522	72	0.03	0.99	-1.23	-8.40e-04	-4.09e-06	-4.32e-04
5522	80	0.04	-0.48	-2.35	3.35e-04	1.20e-06	1.34e-04
5522	98	0.03	-4.52e-03	-1.93	3.85e-05	0.0	3.99e-06
5522	102	0.02	0.20	-1.38	-1.47e-04	0.0	-8.42e-05
5522	103	0.03	0.19	-1.82	-1.37e-04	0.0	-8.32e-05
5522	107	0.03	-4.12e-03	-1.86	3.67e-05	0.0	3.82e-06
5522	108	2.82	3.40	-0.66	-5.82e-04	2.63e-06	-3.24e-04
5522	127	-1.97	-5.21	-3.76	1.10e-03	2.21e-06	-2.28e-05
5522	139	0.73	-5.56	-3.44	1.17e-03	6.26e-06	2.77e-04
5522	140	3.16	3.83	-0.51	-6.60e-04	2.96e-06	-3.66e-04

5522	159	-2.21	-5.86	-4.00	1.24e-03	2.48e-06	-2.65e-05
5522	171	0.82	-6.26	-3.64	1.31e-03	7.04e-06	3.12e-04
5522	172	2.99	3.79	-0.52	-6.53e-04	2.88e-06	-3.60e-04
5522	191	-2.11	-5.75	-3.96	1.22e-03	2.36e-06	-2.74e-05
5522	203	0.84	-6.23	-3.62	1.30e-03	6.95e-06	3.14e-04
5522	204	3.42	4.42	-0.29	-7.68e-04	3.34e-06	-4.20e-04
5522	223	-2.43	-6.67	-4.31	1.40e-03	2.72e-06	-3.47e-05
5522	235	0.97	-7.30	-3.93	1.52e-03	8.13e-06	3.73e-04
5523	4	0.13	2.08	-2.92	-1.50e-03	-3.40e-06	-5.34e-04
5523	19	0.06	3.53	-1.09	-2.58e-03	-5.65e-06	-8.96e-04
5523	28	0.11	-1.40	-3.25	8.85e-04	1.69e-06	2.72e-04
5523	68	0.09	1.38	-2.09	-9.96e-04	-2.26e-06	-3.56e-04
5523	72	0.06	2.35	-1.25	-1.71e-03	-3.77e-06	-5.96e-04
5523	80	0.08	-0.93	-2.32	5.92e-04	1.13e-06	1.82e-04
5523	98	0.07	-0.03	-1.92	3.61e-05	0.0	2.86e-06
5523	102	0.05	0.46	-1.40	-3.23e-04	0.0	-1.18e-04
5523	107	0.06	-0.03	-1.85	3.44e-05	0.0	2.71e-06
5523	108	2.97	4.17	-0.73	-6.81e-04	4.73e-06	-3.33e-04
5523	127	-2.01	-5.93	-3.66	1.15e-03	0.0	-3.91e-05
5523	139	0.79	-6.48	-3.54	1.33e-03	2.13e-06	2.82e-04
5523	140	3.33	4.70	-0.59	-7.71e-04	5.33e-06	-3.75e-04
5523	159	-2.27	-6.66	-3.89	1.29e-03	0.0	-4.48e-05
5523	171	0.88	-7.30	-3.76	1.49e-03	2.41e-06	3.18e-04
5523	172	3.16	4.64	-0.60	-7.53e-04	4.92e-06	-3.66e-04
5523	191	-2.17	-6.53	-3.85	1.26e-03	0.0	-4.63e-05
5523	203	0.89	-7.27	-3.74	1.48e-03	2.44e-06	3.18e-04
5523	204	3.61	5.42	-0.38	-8.80e-04	5.53e-06	-4.26e-04
5523	223	-2.50	-7.57	-4.18	1.46e-03	1.08e-06	-5.71e-05
5523	235	1.03	-8.52	-4.07	1.72e-03	2.86e-06	3.77e-04
5524	4	0.66	1.00	-3.26	4.20e-04	0.0	4.27e-04
5524	28	0.67	-2.48	-2.93	-5.98e-04	0.0	-8.71e-04
5524	44	0.60	-3.78	-2.50	-1.07e-03	0.0	-1.45e-03
5524	68	0.47	0.65	-2.31	2.83e-04	0.0	2.84e-04
5524	80	0.48	-1.67	-2.10	-3.95e-04	0.0	-5.81e-04
5524	88	0.43	-2.53	-1.81	-7.13e-04	0.0	-9.65e-04
5524	98	0.40	-0.26	-1.90	5.55e-05	0.0	-3.70e-06
5524	105	0.39	-0.70	-1.79	-1.02e-04	0.0	-1.96e-04
5524	107	0.39	-0.25	-1.83	5.28e-05	0.0	-3.48e-06
5524	112	14.32	3.48	-2.87	-7.11e-05	0.0	-4.27e-04
5524	132	8.47	8.82	-3.58	-1.69e-04	0.0	9.80e-05
5524	139	-7.50	-9.33	-0.09	2.74e-04	0.0	-9.67e-05
5524	144	16.10	3.94	-3.00	-8.67e-05	0.0	-4.81e-04
5524	164	9.52	9.96	-3.79	-1.97e-04	0.0	1.10e-04
5524	171	-8.54	-10.47	0.13	3.02e-04	0.0	-1.07e-04
5524	176	16.22	3.88	-2.99	-8.56e-05	0.0	-4.75e-04
5524	200	9.58	9.85	-3.78	-1.94e-04	0.0	8.74e-05
5524	203	-8.81	-10.35	0.12	3.00e-04	0.0	-9.43e-05
5524	216	19.28	4.70	-3.23	-1.10e-04	0.0	-6.32e-04
5524	232	11.43	11.52	-4.11	-2.36e-04	0.0	9.42e-05
5524	235	-10.65	-12.01	0.45	3.42e-04	0.0	-1.01e-04
5525	4	0.67	1.26	-3.33	5.96e-04	0.0	3.61e-04
5525	28	0.68	-2.99	-3.00	-9.33e-04	0.0	-7.38e-04
5525	44	0.61	-4.63	-2.57	-1.64e-03	0.0	-1.23e-03
5525	68	0.48	0.82	-2.37	4.01e-04	0.0	2.40e-04
5525	80	0.48	-2.01	-2.15	-6.18e-04	0.0	-4.92e-04
5525	88	0.44	-3.10	-1.86	-1.09e-03	0.0	-8.17e-04
5525	98	0.41	-0.26	-1.96	5.91e-05	0.0	-3.39e-06
5525	105	0.39	-0.81	-1.85	-1.74e-04	0.0	-1.66e-04
5525	107	0.39	-0.25	-1.88	5.64e-05	0.0	-3.16e-06
5525	112	14.35	3.20	-2.82	-2.03e-05	0.0	-4.42e-04
5525	132	8.49	8.80	-3.59	-7.18e-05	0.0	5.60e-05
5525	139	-7.51	-9.31	-0.18	1.84e-04	0.0	-5.40e-05
5525	144	16.12	3.63	-2.94	-3.00e-05	0.0	-4.98e-04
5525	164	9.53	9.93	-3.80	-8.80e-05	0.0	6.32e-05
5525	171	-8.54	-10.44	0.03	2.00e-04	0.0	-5.98e-05
5525	176	16.25	3.57	-2.93	-2.96e-05	0.0	-4.90e-04
5525	200	9.60	9.81	-3.78	-8.67e-05	0.0	4.37e-05
5525	203	-8.81	-10.31	0.02	1.99e-04	0.0	-5.00e-05
5525	216	19.30	4.29	-3.13	-4.51e-05	0.0	-6.49e-04
5525	232	11.44	11.46	-4.10	-1.11e-04	0.0	4.53e-05
5525	235	-10.66	-11.96	0.34	2.24e-04	0.0	-5.16e-05
5526	4	0.68	1.46	-3.38	7.21e-04	0.0	2.75e-04
5526	44	0.62	-5.32	-2.62	-2.03e-03	0.0	-9.42e-04
5526	52	0.69	-0.45	-3.21	1.08e-04	0.0	-6.76e-06
5526	68	0.48	0.96	-2.40	4.85e-04	0.0	1.83e-04

5526	88	0.44	-3.56	-1.90	-1.35e-03	0.0	-6.28e-04
5526	92	0.49	-0.32	-2.30	7.59e-05	0.0	-4.62e-06
5526	98	0.42	-0.26	-2.00	6.25e-05	0.0	-3.62e-06
5526	105	0.40	-0.91	-1.89	-2.24e-04	0.0	-1.28e-04
5526	107	0.40	-0.25	-1.92	5.97e-05	0.0	-3.38e-06
5526	112	14.36	2.90	-2.74	1.56e-05	0.0	-5.69e-04
5526	132	8.50	8.73	-3.59	-2.19e-05	0.0	-3.51e-04
5526	139	-7.50	-9.23	-0.26	1.41e-04	0.0	3.53e-04
5526	144	16.14	3.29	-2.84	1.00e-05	0.0	-6.41e-04
5526	164	9.54	9.85	-3.79	-3.21e-05	0.0	-3.96e-04
5526	171	-8.54	-10.35	-0.06	1.51e-04	0.0	3.99e-04
5526	176	16.26	3.24	-2.83	1.02e-05	0.0	-6.30e-04
5526	200	9.61	9.71	-3.77	-3.16e-05	0.0	-4.04e-04
5526	203	-8.81	-10.22	-0.08	1.51e-04	0.0	3.97e-04
5526	216	19.32	3.85	-3.00	0.0	0.0	-8.12e-04
5526	232	11.46	11.34	-4.08	-4.73e-05	0.0	-4.79e-04
5526	235	-10.65	-11.85	0.23	1.67e-04	0.0	4.72e-04
5527	4	0.70	0.80	-3.26	4.20e-04	0.0	2.79e-04
5527	44	0.64	-3.25	-2.50	-1.07e-03	0.0	-9.66e-04
5527	52	0.71	-0.50	-3.09	9.77e-05	0.0	-9.57e-06
5527	68	0.50	0.51	-2.31	2.83e-04	0.0	1.86e-04
5527	88	0.46	-2.18	-1.81	-7.13e-04	0.0	-6.44e-04
5527	92	0.51	-0.35	-2.20	6.83e-05	0.0	-6.72e-06
5527	98	0.43	-0.29	-1.90	5.55e-05	0.0	-5.57e-06
5527	105	0.41	-0.65	-1.79	-1.02e-04	0.0	-1.33e-04
5527	107	0.41	-0.28	-1.83	5.28e-05	0.0	-5.31e-06
5527	112	14.38	3.51	-2.88	-7.08e-05	0.0	-4.54e-04
5527	132	8.52	8.91	-3.58	-1.68e-04	0.0	5.04e-05
5527	139	-7.49	-9.47	-0.09	2.73e-04	0.0	-5.28e-05
5527	144	16.16	3.98	-3.01	-8.63e-05	0.0	-5.11e-04
5527	164	9.56	10.05	-3.80	-1.96e-04	0.0	5.73e-05
5527	171	-8.53	-10.62	0.13	3.00e-04	0.0	-5.82e-05
5527	176	16.29	3.93	-3.00	-8.52e-05	0.0	-5.03e-04
5527	200	9.63	9.94	-3.78	-1.93e-04	0.0	3.82e-05
5527	203	-8.80	-10.49	0.12	2.98e-04	0.0	-4.89e-05
5527	216	19.33	4.75	-3.24	-1.09e-04	0.0	-6.64e-04
5527	232	11.47	11.63	-4.11	-2.35e-04	0.0	3.95e-05
5527	235	-10.65	-12.18	0.45	3.40e-04	0.0	-5.01e-05
5528	4	0.70	0.96	-3.33	5.93e-04	0.0	2.55e-04
5528	44	0.64	-3.82	-2.57	-1.63e-03	0.0	-8.89e-04
5528	52	0.72	-0.50	-3.16	1.03e-04	0.0	-9.89e-06
5528	68	0.50	0.62	-2.37	3.99e-04	0.0	1.70e-04
5528	88	0.46	-2.56	-1.86	-1.08e-03	0.0	-5.93e-04
5528	92	0.51	-0.35	-2.26	7.23e-05	0.0	-6.96e-06
5528	98	0.43	-0.29	-1.96	5.92e-05	0.0	-5.80e-06
5528	105	0.42	-0.73	-1.85	-1.73e-04	0.0	-1.23e-04
5528	107	0.42	-0.28	-1.88	5.64e-05	0.0	-5.54e-06
5528	112	14.38	3.20	-2.82	-2.05e-05	0.0	-5.83e-04
5528	132	8.52	8.84	-3.59	-7.31e-05	0.0	-3.62e-04
5528	139	-7.49	-9.40	-0.18	1.85e-04	0.0	3.59e-04
5528	144	16.17	3.64	-2.94	-3.02e-05	0.0	-6.56e-04
5528	164	9.56	9.97	-3.80	-8.94e-05	0.0	-4.07e-04
5528	171	-8.53	-10.54	0.03	2.02e-04	0.0	4.06e-04
5528	176	16.29	3.59	-2.93	-2.97e-05	0.0	-6.44e-04
5528	200	9.63	9.85	-3.78	-8.81e-05	0.0	-4.14e-04
5528	203	-8.80	-10.41	0.02	2.01e-04	0.0	4.03e-04
5528	216	19.34	4.31	-3.13	-4.53e-05	0.0	-8.29e-04
5528	232	11.48	11.52	-4.10	-1.13e-04	0.0	-4.89e-04
5528	235	-10.64	-12.07	0.34	2.26e-04	0.0	4.78e-04
5529	4	0.71	1.10	-3.38	7.25e-04	0.0	2.41e-04
5529	44	0.64	-4.32	-2.62	-2.05e-03	0.0	-8.42e-04
5529	52	0.72	-0.51	-3.21	1.08e-04	0.0	-9.86e-06
5529	68	0.50	0.72	-2.40	4.87e-04	0.0	1.61e-04
5529	88	0.46	-2.90	-1.90	-1.36e-03	0.0	-5.62e-04
5529	92	0.51	-0.36	-2.30	7.59e-05	0.0	-6.93e-06
5529	98	0.44	-0.30	-2.00	6.26e-05	0.0	-5.78e-06
5529	105	0.42	-0.80	-1.89	-2.26e-04	0.0	-1.17e-04
5529	107	0.42	-0.28	-1.92	5.97e-05	0.0	-5.52e-06
5529	112	14.39	2.89	-2.74	1.64e-05	0.0	-5.87e-04
5529	132	8.52	8.74	-3.58	-2.00e-05	0.0	-3.62e-04
5529	139	-7.49	-9.30	-0.27	1.39e-04	0.0	3.59e-04
5529	144	16.17	3.29	-2.84	1.09e-05	0.0	-6.60e-04
5529	164	9.57	9.86	-3.79	-3.01e-05	0.0	-4.07e-04
5529	171	-8.53	-10.43	-0.06	1.49e-04	0.0	4.06e-04
5529	176	16.29	3.24	-2.83	1.10e-05	0.0	-6.48e-04

5529	200	9.63	9.73	-3.77	-2.96e-05	0.0	-4.15e-04
5529	203	-8.80	-10.29	-0.08	1.49e-04	0.0	4.04e-04
5529	216	19.34	3.85	-3.00	1.86e-06	0.0	-8.33e-04
5529	232	11.48	11.36	-4.08	-4.49e-05	0.0	-4.91e-04
5529	235	-10.64	-11.93	0.23	1.64e-04	0.0	4.80e-04
5530	4	0.72	0.59	-3.26	4.24e-04	0.0	1.32e-04
5530	44	0.66	-2.71	-2.50	-1.09e-03	0.0	-4.96e-04
5530	52	0.74	-0.54	-3.09	9.75e-05	0.0	-1.44e-05
5530	68	0.52	0.37	-2.31	2.86e-04	0.0	8.73e-05
5530	88	0.47	-1.83	-1.81	-7.22e-04	0.0	-3.32e-04
5530	92	0.52	-0.38	-2.20	6.81e-05	0.0	-1.03e-05
5530	98	0.45	-0.32	-1.90	5.53e-05	0.0	-8.81e-06
5530	105	0.43	-0.60	-1.79	-1.04e-04	0.0	-7.30e-05
5530	107	0.43	-0.30	-1.83	5.26e-05	0.0	-8.50e-06
5530	112	14.43	3.54	-2.88	-6.97e-05	0.0	-6.00e-04
5530	132	8.55	8.99	-3.58	-1.63e-04	0.0	-3.71e-04
5530	139	-7.49	-9.60	-0.08	2.68e-04	0.0	3.62e-04
5530	144	16.22	4.03	-3.01	-8.51e-05	0.0	-6.75e-04
5530	164	9.60	10.15	-3.80	-1.91e-04	0.0	-4.17e-04
5530	171	-8.54	-10.76	0.14	2.95e-04	0.0	4.09e-04
5530	176	16.34	3.97	-3.00	-8.40e-05	0.0	-6.63e-04
5530	200	9.66	10.04	-3.78	-1.88e-04	0.0	-4.25e-04
5530	203	-8.80	-10.64	0.12	2.93e-04	0.0	4.08e-04
5530	216	19.38	4.80	-3.25	-1.08e-04	0.0	-8.51e-04
5530	232	11.51	11.75	-4.11	-2.29e-04	0.0	-5.03e-04
5530	235	-10.65	-12.35	0.45	3.34e-04	0.0	4.86e-04
5531	4	0.73	0.66	-3.33	5.92e-04	0.0	1.28e-04
5531	44	0.66	-3.00	-2.57	-1.62e-03	0.0	-4.84e-04
5531	52	0.74	-0.55	-3.16	1.03e-04	0.0	-1.42e-05
5531	68	0.52	0.42	-2.37	3.98e-04	0.0	8.49e-05
5531	88	0.47	-2.02	-1.86	-1.08e-03	0.0	-3.23e-04
5531	92	0.52	-0.39	-2.26	7.25e-05	0.0	-1.02e-05
5531	98	0.45	-0.32	-1.96	5.93e-05	0.0	-8.76e-06
5531	105	0.43	-0.64	-1.85	-1.72e-04	0.0	-7.12e-05
5531	107	0.43	-0.31	-1.88	5.66e-05	0.0	-8.45e-06
5531	112	14.43	3.21	-2.82	-2.06e-05	0.0	-6.05e-04
5531	132	8.55	8.87	-3.59	-7.55e-05	0.0	-3.75e-04
5531	139	-7.49	-9.49	-0.18	1.88e-04	0.0	3.66e-04
5531	144	16.22	3.66	-2.94	-3.04e-05	0.0	-6.81e-04
5531	164	9.60	10.02	-3.80	-9.21e-05	0.0	-4.21e-04
5531	171	-8.54	-10.64	0.03	2.05e-04	0.0	4.14e-04
5531	176	16.34	3.60	-2.93	-2.99e-05	0.0	-6.69e-04
5531	200	9.66	9.89	-3.78	-9.08e-05	0.0	-4.30e-04
5531	203	-8.81	-10.51	0.02	2.04e-04	0.0	4.13e-04
5531	216	19.38	4.33	-3.13	-4.56e-05	0.0	-8.58e-04
5531	232	11.51	11.57	-4.10	-1.16e-04	0.0	-5.10e-04
5531	235	-10.65	-12.18	0.34	2.29e-04	0.0	4.93e-04
5532	4	0.73	0.74	-3.38	7.42e-04	0.0	1.36e-04
5532	44	0.66	-3.28	-2.62	-2.10e-03	0.0	-5.07e-04
5532	52	0.74	-0.56	-3.21	1.08e-04	0.0	-1.36e-05
5532	68	0.52	0.47	-2.40	4.99e-04	0.0	9.01e-05
5532	88	0.47	-2.21	-1.90	-1.40e-03	0.0	-3.39e-04
5532	92	0.53	-0.40	-2.30	7.62e-05	0.0	-9.72e-06
5532	98	0.45	-0.33	-2.00	6.28e-05	0.0	-8.38e-06
5532	105	0.43	-0.68	-1.89	-2.33e-04	0.0	-7.40e-05
5532	107	0.43	-0.31	-1.92	5.99e-05	0.0	-8.09e-06
5532	112	14.43	2.88	-2.73	1.99e-05	0.0	-6.08e-04
5532	132	8.55	8.75	-3.58	-1.09e-05	0.0	-3.78e-04
5532	139	-7.49	-9.37	-0.27	1.31e-04	0.0	3.69e-04
5532	144	16.22	3.28	-2.84	1.48e-05	0.0	-6.84e-04
5532	164	9.60	9.88	-3.79	-1.98e-05	0.0	-4.25e-04
5532	171	-8.54	-10.50	-0.06	1.39e-04	0.0	4.18e-04
5532	176	16.34	3.23	-2.83	1.48e-05	0.0	-6.73e-04
5532	200	9.66	9.74	-3.77	-1.95e-05	0.0	-4.34e-04
5532	203	-8.80	-10.36	-0.08	1.39e-04	0.0	4.18e-04
5532	216	19.38	3.85	-2.99	6.20e-06	0.0	-8.62e-04
5532	232	11.51	11.38	-4.08	-3.32e-05	0.0	-5.14e-04
5532	235	-10.65	-12.01	0.23	1.53e-04	0.0	4.98e-04
5533	4	0.75	0.37	-3.26	-4.06e-04	1.28e-04	-7.29e-06
5533	44	0.68	-2.16	-2.50	-2.30e-04	1.25e-04	-6.08e-05
5533	52	0.76	-0.59	-3.09	-3.53e-04	1.27e-04	-2.11e-05
5533	68	0.53	0.23	-2.31	-2.92e-04	9.70e-05	-6.02e-06
5533	88	0.48	-1.46	-1.81	-1.74e-04	9.50e-05	-4.17e-05
5533	92	0.54	-0.42	-2.20	-2.56e-04	9.68e-05	-1.52e-05
5533	98	0.46	-0.34	-1.90	-2.39e-04	9.56e-05	-1.34e-05

5533	105	0.44	-0.55	-1.79	-2.20e-04	9.50e-05	-1.85e-05
5533	107	0.44	-0.33	-1.83	-2.31e-04	9.51e-05	-1.30e-05
5533	112	14.47	3.58	-2.88	-4.84e-04	-9.10e-06	-6.30e-04
5533	132	8.58	9.06	-3.58	-8.11e-04	3.01e-05	-3.97e-04
5533	139	-7.49	-9.73	-0.08	3.50e-04	1.61e-04	3.78e-04
5533	144	16.26	4.07	-3.01	-5.16e-04	-2.22e-05	-7.08e-04
5533	164	9.63	10.24	-3.80	-8.84e-04	2.19e-05	-4.45e-04
5533	171	-8.54	-10.91	0.14	4.22e-04	1.70e-04	4.29e-04
5533	176	16.39	4.01	-3.00	-5.12e-04	-1.95e-05	-6.97e-04
5533	200	9.69	10.13	-3.78	-8.77e-04	2.07e-05	-4.56e-04
5533	203	-8.81	-10.78	0.12	4.14e-04	1.69e-04	4.30e-04
5533	216	19.41	4.86	-3.25	-5.69e-04	-5.21e-05	-8.91e-04
5533	232	11.54	11.85	-4.11	-9.84e-04	6.99e-06	-5.40e-04
5533	235	-10.66	-12.51	0.45	5.21e-04	1.83e-04	5.14e-04
5534	4	0.75	0.37	-3.33	-4.05e-04	9.83e-05	-1.56e-05
5534	44	0.67	-2.19	-2.57	-2.29e-04	9.84e-05	-2.54e-05
5534	52	0.76	-0.61	-3.16	-3.52e-04	9.84e-05	-1.92e-05
5534	68	0.53	0.22	-2.37	-2.91e-04	7.54e-05	-1.14e-05
5534	88	0.48	-1.48	-1.86	-1.73e-04	7.54e-05	-1.80e-05
5534	92	0.54	-0.43	-2.26	-2.55e-04	7.54e-05	-1.39e-05
5534	98	0.46	-0.35	-1.96	-2.38e-04	7.52e-05	-1.22e-05
5534	105	0.44	-0.56	-1.85	-2.19e-04	7.51e-05	-1.29e-05
5534	107	0.44	-0.33	-1.88	-2.31e-04	7.50e-05	-1.18e-05
5534	112	14.47	3.22	-2.82	-4.68e-04	-9.03e-05	-6.32e-04
5534	132	8.58	8.91	-3.59	-8.02e-04	-2.48e-05	-4.03e-04
5534	139	-7.49	-9.58	-0.18	3.42e-04	1.76e-04	3.87e-04
5534	144	16.26	3.67	-2.94	-4.98e-04	-1.11e-04	-7.11e-04
5534	164	9.63	10.07	-3.80	-8.74e-04	-3.76e-05	-4.53e-04
5534	171	-8.54	-10.74	0.03	4.13e-04	1.89e-04	4.38e-04
5534	176	16.38	3.61	-2.93	-4.94e-04	-1.10e-04	-7.00e-04
5534	200	9.68	9.94	-3.78	-8.66e-04	-4.09e-05	-4.64e-04
5534	203	-8.81	-10.61	0.01	4.05e-04	1.91e-04	4.40e-04
5534	216	19.41	4.35	-3.13	-5.46e-04	-1.61e-04	-8.94e-04
5534	232	11.54	11.63	-4.10	-9.71e-04	-6.35e-05	-5.50e-04
5534	235	-10.66	-12.30	0.34	5.10e-04	2.14e-04	5.26e-04
5535	4	0.74	0.35	-3.38	-4.04e-04	6.67e-05	-2.84e-05
5535	44	0.67	-2.19	-2.62	-2.28e-04	6.83e-05	-2.51e-05
5535	52	0.76	-0.62	-3.21	-3.50e-04	6.69e-05	-1.74e-05
5535	68	0.53	0.21	-2.40	-2.90e-04	5.13e-05	-1.99e-05
5535	88	0.48	-1.48	-1.90	-1.72e-04	5.24e-05	-1.58e-05
5535	92	0.54	-0.43	-2.30	-2.54e-04	5.15e-05	-1.25e-05
5535	98	0.46	-0.36	-2.00	-2.37e-04	5.15e-05	-1.10e-05
5535	105	0.44	-0.56	-1.89	-2.18e-04	5.17e-05	-5.22e-06
5535	107	0.44	-0.34	-1.92	-2.30e-04	5.16e-05	-1.07e-05
5535	112	14.47	2.87	-2.74	-4.52e-04	-1.12e-04	-6.35e-04
5535	132	8.58	8.74	-3.58	-7.93e-04	-4.78e-05	-4.12e-04
5535	135	-7.70	-9.42	-0.26	3.34e-04	1.51e-04	3.90e-04
5535	144	16.26	3.27	-2.84	-4.80e-04	-1.33e-04	-7.14e-04
5535	164	9.63	9.88	-3.79	-8.64e-04	-6.06e-05	-4.63e-04
5535	171	-8.54	-10.56	-0.06	4.04e-04	1.65e-04	4.50e-04
5535	176	16.38	3.22	-2.83	-4.77e-04	-1.32e-04	-7.04e-04
5535	200	9.68	9.74	-3.77	-8.55e-04	-6.40e-05	-4.74e-04
5535	203	-8.81	-10.42	-0.08	3.96e-04	1.67e-04	4.53e-04
5535	216	19.41	3.84	-2.99	-5.23e-04	-1.82e-04	-8.99e-04
5535	232	11.53	11.39	-4.08	-9.58e-04	-8.66e-05	-5.62e-04
5535	235	-10.66	-12.07	0.23	4.99e-04	1.90e-04	5.41e-04
5536	4	0.75	1.74	-3.41	9.22e-04	0.0	-9.30e-05
5536	44	0.68	-6.28	-2.66	-2.64e-03	0.0	2.81e-04
5536	52	0.76	-0.46	-3.25	1.22e-04	0.0	-7.96e-06
5536	68	0.53	1.14	-2.43	6.19e-04	0.0	-6.24e-05
5536	88	0.49	-4.20	-1.93	-1.76e-03	0.0	1.87e-04
5536	92	0.54	-0.32	-2.32	8.62e-05	0.0	-5.69e-06
5536	98	0.47	-0.27	-2.02	7.14e-05	0.0	-5.82e-06
5536	105	0.45	-1.04	-1.91	-2.98e-04	0.0	3.29e-05
5536	107	0.45	-0.26	-1.95	6.85e-05	0.0	-5.43e-06
5536	112	14.41	1.91	-2.64	7.33e-05	0.0	-6.15e-04
5536	124	0.06	8.73	-3.60	1.65e-04	0.0	1.07e-04
5536	129	8.25	-9.55	-0.43	-2.87e-05	0.0	-4.52e-04
5536	144	16.19	2.18	-2.72	7.38e-05	0.0	-6.92e-04
5536	156	-8.13e-03	9.85	-3.80	1.77e-04	0.0	1.21e-04
5536	161	9.28	-10.71	-0.24	-4.07e-05	0.0	-5.09e-04
5536	176	16.32	2.15	-2.71	7.36e-05	0.0	-6.80e-04
5536	188	-0.08	9.71	-3.77	1.74e-04	0.0	1.25e-04
5536	193	9.54	-10.57	-0.27	-3.83e-05	0.0	-5.12e-04
5536	216	19.38	2.45	-2.81	1.18e-04	0.0	-8.64e-04

5536	220	-0.24	11.33	-4.07	1.91e-04	0.0	1.52e-04
5536	225	11.36	-12.25	-4.07e-03	-5.55e-05	0.0	-6.08e-04
5537	4	0.74	1.28	-3.41	9.27e-04	0.0	-1.34e-04
5537	44	0.68	-4.97	-2.66	-2.66e-03	0.0	4.05e-04
5537	52	0.75	-0.52	-3.25	1.22e-04	0.0	-1.05e-05
5537	68	0.53	0.84	-2.43	6.23e-04	0.0	-8.96e-05
5537	88	0.48	-3.33	-1.93	-1.77e-03	0.0	2.70e-04
5537	92	0.54	-0.37	-2.32	8.62e-05	0.0	-7.53e-06
5537	98	0.46	-0.30	-2.02	7.14e-05	0.0	-7.18e-06
5537	105	0.44	-0.89	-1.91	-3.01e-04	0.0	4.84e-05
5537	107	0.44	-0.29	-1.95	6.85e-05	0.0	-6.82e-06
5537	112	14.42	1.88	-2.64	7.39e-05	0.0	-6.18e-04
5537	124	0.05	8.65	-3.60	1.68e-04	0.0	6.10e-05
5537	129	8.25	-9.53	-0.43	-3.11e-05	0.0	-4.09e-04
5537	144	16.20	2.15	-2.73	7.45e-05	0.0	-6.96e-04
5537	156	-0.02	9.76	-3.80	1.80e-04	0.0	7.01e-05
5537	161	9.27	-10.69	-0.24	-4.35e-05	0.0	-4.61e-04
5537	176	16.33	2.11	-2.71	7.42e-05	0.0	-6.85e-04
5537	188	-0.09	9.62	-3.77	1.77e-04	0.0	7.30e-05
5537	193	9.54	-10.55	-0.27	-4.11e-05	0.0	-4.63e-04
5537	216	19.37	2.41	-2.81	1.19e-04	0.0	-8.72e-04
5537	220	-0.24	11.24	-4.07	1.95e-04	0.0	9.03e-05
5537	225	11.36	-12.22	-5.02e-03	-5.87e-05	0.0	-5.49e-04
5538	4	0.77	1.64	-3.36	8.80e-04	0.0	-2.27e-04
5538	44	0.70	-5.97	-2.61	-2.49e-03	0.0	7.24e-04
5538	52	0.78	-0.47	-3.20	1.25e-04	0.0	-8.37e-06
5538	68	0.55	1.08	-2.39	5.92e-04	0.0	-1.51e-04
5538	88	0.50	-4.00	-1.89	-1.66e-03	0.0	4.83e-04
5538	92	0.56	-0.33	-2.28	8.83e-05	0.0	-5.99e-06
5538	98	0.48	-0.27	-1.98	7.29e-05	0.0	-6.08e-06
5538	105	0.46	-1.00	-1.88	-2.77e-04	0.0	9.18e-05
5538	107	0.46	-0.26	-1.91	7.00e-05	0.0	-5.69e-06
5538	112	14.43	1.58	-2.55	8.47e-05	0.0	-6.11e-04
5538	124	0.07	8.70	-3.55	1.89e-04	0.0	3.81e-05
5538	129	8.27	-9.73	-0.37	-4.93e-05	0.0	-3.76e-04
5538	144	16.21	1.81	-2.62	8.64e-05	0.0	-6.87e-04
5538	156	3.85e-03	9.82	-3.75	2.04e-04	0.0	4.39e-05
5538	161	9.29	-10.91	-0.18	-6.40e-05	0.0	-4.24e-04
5538	176	16.34	1.77	-2.61	8.60e-05	0.0	-6.78e-04
5538	188	-0.07	9.69	-3.72	2.01e-04	0.0	4.44e-05
5538	193	9.56	-10.77	-0.21	-6.12e-05	0.0	-4.23e-04
5538	216	19.40	1.97	-2.68	1.23e-04	0.0	-8.63e-04
5538	220	-0.22	11.31	-4.01	2.22e-04	0.0	5.55e-05
5538	225	11.38	-12.50	0.06	-8.24e-05	0.0	-5.02e-04
5539	4	0.75	1.20	-3.36	8.78e-04	0.0	-1.77e-04
5539	44	0.68	-4.72	-2.61	-2.48e-03	0.0	5.52e-04
5539	52	0.76	-0.53	-3.19	1.25e-04	0.0	-1.01e-05
5539	68	0.53	0.78	-2.39	5.91e-04	0.0	-1.19e-04
5539	88	0.49	-3.17	-1.89	-1.65e-03	0.0	3.68e-04
5539	92	0.54	-0.37	-2.28	8.83e-05	0.0	-7.28e-06
5539	98	0.46	-0.31	-1.98	7.29e-05	0.0	-6.97e-06
5539	105	0.44	-0.86	-1.88	-2.76e-04	0.0	6.81e-05
5539	107	0.44	-0.29	-1.91	7.00e-05	0.0	-6.62e-06
5539	112	14.42	1.54	-2.54	8.44e-05	0.0	-6.17e-04
5539	124	0.05	8.61	-3.55	1.88e-04	0.0	3.93e-05
5539	129	8.25	-9.70	-0.37	-4.83e-05	0.0	-3.83e-04
5539	144	16.21	1.76	-2.62	8.61e-05	0.0	-6.94e-04
5539	156	-0.01	9.72	-3.75	2.03e-04	0.0	4.56e-05
5539	161	9.28	-10.88	-0.18	-6.30e-05	0.0	-4.31e-04
5539	176	16.33	1.73	-2.61	8.58e-05	0.0	-6.84e-04
5539	188	-0.09	9.59	-3.72	2.00e-04	0.0	4.64e-05
5539	193	9.54	-10.74	-0.21	-6.02e-05	0.0	-4.32e-04
5539	216	19.38	1.92	-2.68	1.23e-04	0.0	-8.72e-04
5539	220	-0.24	11.20	-4.01	2.21e-04	0.0	5.83e-05
5539	225	11.37	-12.46	0.06	-8.12e-05	0.0	-5.12e-04
5540	4	0.78	1.46	-3.28	7.67e-04	0.0	-3.60e-04
5540	28	0.79	-3.45	-2.96	-1.20e-03	0.0	6.96e-04
5540	44	0.71	-5.38	-2.54	-2.10e-03	0.0	1.17e-03
5540	68	0.56	0.96	-2.33	5.16e-04	0.0	-2.40e-04
5540	80	0.56	-2.32	-2.12	-7.97e-04	0.0	4.63e-04
5540	88	0.51	-3.60	-1.84	-1.40e-03	0.0	7.78e-04
5540	98	0.49	-0.28	-1.93	7.38e-05	0.0	-6.36e-06
5540	105	0.47	-0.93	-1.82	-2.25e-04	0.0	1.51e-04
5540	107	0.47	-0.26	-1.86	7.10e-05	0.0	-5.95e-06
5540	112	14.44	1.22	-2.45	8.11e-05	0.0	-6.21e-04

5540	124	0.08	8.58	-3.48	1.43e-04	0.0	-3.92e-04
5540	129	8.27	-9.81	-0.31	1.71e-06	0.0	6.39e-05
5540	144	16.22	1.41	-2.52	8.24e-05	0.0	-6.99e-04
5540	156	0.01	9.69	-3.69	1.51e-04	0.0	-4.41e-04
5540	161	9.30	-11.01	-0.11	-6.79e-06	0.0	7.18e-05
5540	176	16.35	1.38	-2.50	8.24e-05	0.0	-6.91e-04
5540	188	-0.06	9.56	-3.65	1.49e-04	0.0	-4.29e-04
5540	193	9.57	-10.87	-0.14	-4.29e-06	0.0	5.97e-05
5540	216	19.41	1.47	-2.55	1.07e-04	0.0	-8.80e-04
5540	220	-0.22	11.17	-3.95	1.61e-04	0.0	-4.97e-04
5540	225	11.39	-12.62	0.14	-1.60e-05	0.0	6.29e-05
5541	4	0.75	1.08	-3.28	7.65e-04	0.0	-2.56e-04
5541	44	0.68	-4.33	-2.54	-2.10e-03	0.0	8.18e-04
5541	52	0.76	-0.53	-3.12	1.27e-04	0.0	-9.68e-06
5541	68	0.53	0.70	-2.33	5.15e-04	0.0	-1.71e-04
5541	88	0.49	-2.91	-1.84	-1.39e-03	0.0	5.45e-04
5541	92	0.54	-0.38	-2.23	8.97e-05	0.0	-6.96e-06
5541	98	0.46	-0.31	-1.93	7.38e-05	0.0	-6.70e-06
5541	105	0.45	-0.81	-1.82	-2.24e-04	0.0	1.04e-04
5541	107	0.45	-0.30	-1.86	7.10e-05	0.0	-6.35e-06
5541	112	14.43	1.18	-2.45	8.13e-05	0.0	-6.21e-04
5541	124	0.05	8.51	-3.48	1.44e-04	0.0	-3.73e-04
5541	129	8.25	-9.81	-0.31	0.0	0.0	3.69e-05
5541	144	16.21	1.37	-2.52	8.26e-05	0.0	-6.99e-04
5541	156	-0.01	9.62	-3.69	1.53e-04	0.0	-4.19e-04
5541	161	9.28	-11.00	-0.11	-8.05e-06	0.0	4.17e-05
5541	176	16.33	1.34	-2.50	8.26e-05	0.0	-6.90e-04
5541	188	-0.09	9.49	-3.65	1.50e-04	0.0	-4.10e-04
5541	193	9.55	-10.87	-0.14	-5.54e-06	0.0	3.23e-05
5541	216	19.38	1.42	-2.55	1.07e-04	0.0	-8.80e-04
5541	220	-0.24	11.09	-3.95	1.63e-04	0.0	-4.77e-04
5541	225	11.37	-12.62	0.14	-1.75e-05	0.0	3.27e-05
5542	4	0.74	0.82	-3.41	9.48e-04	0.0	-9.91e-05
5542	44	0.67	-3.63	-2.66	-2.73e-03	0.0	2.80e-04
5542	52	0.75	-0.58	-3.25	1.22e-04	0.0	-1.29e-05
5542	68	0.52	0.52	-2.43	6.37e-04	0.0	-6.68e-05
5542	88	0.48	-2.44	-1.93	-1.81e-03	0.0	1.86e-04
5542	92	0.53	-0.41	-2.32	8.64e-05	0.0	-9.30e-06
5542	98	0.45	-0.34	-2.02	7.15e-05	0.0	-8.46e-06
5542	105	0.43	-0.74	-1.91	-3.09e-04	0.0	3.07e-05
5542	107	0.44	-0.33	-1.95	6.86e-05	0.0	-8.14e-06
5542	112	14.44	1.84	-2.64	7.66e-05	0.0	-6.25e-04
5542	124	0.04	8.56	-3.60	1.80e-04	0.0	5.09e-05
5542	129	8.25	-9.51	-0.43	-4.29e-05	0.0	-4.04e-04
5542	144	16.23	2.11	-2.73	7.75e-05	0.0	-7.03e-04
5542	156	-0.02	9.67	-3.80	1.93e-04	0.0	5.88e-05
5542	161	9.28	-10.66	-0.24	-5.67e-05	0.0	-4.55e-04
5542	176	16.35	2.08	-2.72	7.72e-05	0.0	-6.92e-04
5542	188	-0.10	9.54	-3.77	1.90e-04	0.0	6.12e-05
5542	193	9.55	-10.52	-0.27	-5.41e-05	0.0	-4.57e-04
5542	216	19.39	2.37	-2.82	1.24e-04	0.0	-8.84e-04
5542	220	-0.25	11.14	-4.07	2.10e-04	0.0	7.65e-05
5542	225	11.37	-12.19	-5.69e-03	-7.39e-05	0.0	-5.41e-04
5543	4	0.74	0.76	-3.36	8.77e-04	0.0	-1.07e-04
5543	44	0.67	-3.48	-2.61	-2.48e-03	0.0	3.08e-04
5543	52	0.75	-0.59	-3.20	1.25e-04	0.0	-1.20e-05
5543	68	0.52	0.49	-2.39	5.90e-04	0.0	-7.17e-05
5543	88	0.48	-2.34	-1.89	-1.65e-03	0.0	2.05e-04
5543	92	0.53	-0.42	-2.28	8.83e-05	0.0	-8.65e-06
5543	98	0.45	-0.35	-1.98	7.29e-05	0.0	-7.90e-06
5543	105	0.44	-0.72	-1.88	-2.76e-04	0.0	3.49e-05
5543	107	0.44	-0.33	-1.91	7.00e-05	0.0	-7.60e-06
5543	112	14.45	1.49	-2.54	8.38e-05	0.0	-6.23e-04
5543	124	0.04	8.52	-3.55	1.86e-04	0.0	4.23e-05
5543	129	8.26	-9.68	-0.37	-4.62e-05	0.0	-3.92e-04
5543	144	16.23	1.72	-2.62	8.55e-05	0.0	-7.01e-04
5543	156	-0.02	9.62	-3.75	2.01e-04	0.0	4.91e-05
5543	161	9.28	-10.85	-0.18	-6.06e-05	0.0	-4.42e-04
5543	176	16.35	1.69	-2.61	8.51e-05	0.0	-6.91e-04
5543	188	-0.10	9.49	-3.72	1.97e-04	0.0	5.05e-05
5543	193	9.55	-10.71	-0.21	-5.79e-05	0.0	-4.43e-04
5543	216	19.39	1.87	-2.68	1.22e-04	0.0	-8.82e-04
5543	220	-0.25	11.09	-4.01	2.18e-04	0.0	6.36e-05
5543	225	11.38	-12.42	0.06	-7.85e-05	0.0	-5.25e-04
5544	4	0.74	0.69	-3.28	7.66e-04	0.0	-1.41e-04

5544	44	0.67	-3.28	-2.54	-2.10e-03	0.0	4.27e-04
5544	52	0.75	-0.60	-3.12	1.27e-04	0.0	-1.07e-05
5544	68	0.53	0.44	-2.33	5.16e-04	0.0	-9.43e-05
5544	88	0.48	-2.21	-1.84	-1.39e-03	0.0	2.84e-04
5544	92	0.53	-0.42	-2.23	8.96e-05	0.0	-7.75e-06
5544	98	0.45	-0.35	-1.93	7.37e-05	0.0	-7.13e-06
5544	105	0.44	-0.70	-1.82	-2.24e-04	0.0	5.14e-05
5544	107	0.44	-0.33	-1.86	7.10e-05	0.0	-6.86e-06
5544	112	14.45	1.14	-2.45	8.17e-05	0.0	-6.23e-04
5544	124	0.04	8.44	-3.48	1.46e-04	0.0	3.51e-05
5544	129	8.26	-9.81	-0.31	-1.53e-06	0.0	-3.80e-04
5544	144	16.23	1.32	-2.52	8.30e-05	0.0	-7.01e-04
5544	156	-0.02	9.54	-3.69	1.55e-04	0.0	4.07e-05
5544	161	9.29	-11.00	-0.11	-1.04e-05	0.0	-4.28e-04
5544	176	16.36	1.30	-2.51	8.29e-05	0.0	-6.91e-04
5544	188	-0.10	9.41	-3.65	1.52e-04	0.0	4.01e-05
5544	193	9.55	-10.87	-0.14	-7.92e-06	0.0	-4.27e-04
5544	216	19.40	1.37	-2.55	1.08e-04	0.0	-8.83e-04
5544	220	-0.25	11.01	-3.95	1.65e-04	0.0	5.02e-05
5544	225	11.38	-12.61	0.14	-2.03e-05	0.0	-5.05e-04
5545	4	0.73	0.33	-3.41	-4.00e-04	-5.54e-05	0.0
5545	44	0.66	-2.22	-2.66	-2.24e-04	-5.06e-05	-5.80e-05
5545	52	0.75	-0.64	-3.25	-3.46e-04	-5.47e-05	-1.53e-05
5545	68	0.52	0.19	-2.43	-2.87e-04	-4.17e-05	-1.49e-06
5545	88	0.47	-1.50	-1.93	-1.70e-04	-3.85e-05	-3.95e-05
5545	92	0.53	-0.45	-2.32	-2.51e-04	-4.13e-05	-1.11e-05
5545	98	0.45	-0.38	-2.02	-2.35e-04	-4.05e-05	-9.74e-06
5545	105	0.43	-0.58	-1.91	-2.16e-04	-3.98e-05	-1.53e-05
5545	107	0.43	-0.36	-1.95	-2.27e-04	-4.00e-05	-9.46e-06
5545	112	14.46	1.80	-2.64	-4.20e-04	-1.61e-04	-6.30e-04
5545	124	0.04	8.47	-3.60	-7.92e-04	-3.12e-05	5.98e-05
5545	129	8.26	-9.48	-0.43	3.20e-04	-1.14e-04	-4.19e-04
5545	144	16.25	2.07	-2.73	-4.44e-04	-1.76e-04	-7.08e-04
5545	156	-0.02	9.57	-3.80	-8.62e-04	-3.00e-05	6.92e-05
5545	161	9.29	-10.62	-0.24	3.88e-04	-1.23e-04	-4.72e-04
5545	176	16.37	2.04	-2.72	-4.40e-04	-1.73e-04	-6.97e-04
5545	188	-0.10	9.43	-3.77	-8.52e-04	-3.00e-05	7.22e-05
5545	193	9.55	-10.48	-0.27	3.79e-04	-1.23e-04	-4.74e-04
5545	216	19.40	2.33	-2.82	-4.64e-04	-2.11e-04	-8.91e-04
5545	220	-0.25	11.02	-4.07	-9.53e-04	-2.78e-05	9.00e-05
5545	225	11.38	-12.13	-5.79e-03	4.77e-04	-1.38e-04	-5.62e-04
5546	4	0.73	0.32	-3.36	-3.99e-04	-9.91e-05	-1.61e-05
5546	44	0.66	-2.24	-2.61	-2.22e-04	-9.35e-05	0.0
5546	52	0.74	-0.65	-3.20	-3.45e-04	-9.85e-05	-1.38e-05
5546	68	0.52	0.19	-2.39	-2.86e-04	-7.48e-05	-1.15e-05
5546	88	0.47	-1.52	-1.89	-1.69e-04	-7.11e-05	-1.42e-06
5546	92	0.53	-0.46	-2.28	-2.51e-04	-7.44e-05	-9.99e-06
5546	98	0.45	-0.38	-1.98	-2.34e-04	-7.29e-05	-8.79e-06
5546	105	0.43	-0.59	-1.88	-2.15e-04	-7.19e-05	-6.98e-06
5546	107	0.43	-0.36	-1.91	-2.27e-04	-7.21e-05	-8.55e-06
5546	112	14.46	1.45	-2.54	-4.21e-04	-2.13e-04	-6.29e-04
5546	124	0.04	8.43	-3.55	-7.96e-04	-6.34e-05	5.01e-05
5546	129	8.26	-9.65	-0.37	3.25e-04	-1.57e-04	-4.06e-04
5546	144	16.25	1.68	-2.62	-4.45e-04	-2.31e-04	-7.07e-04
5546	156	-0.03	9.52	-3.75	-8.67e-04	-6.22e-05	5.81e-05
5546	161	9.29	-10.82	-0.18	3.94e-04	-1.68e-04	-4.58e-04
5546	176	16.37	1.65	-2.61	-4.40e-04	-2.29e-04	-6.97e-04
5546	188	-0.10	9.39	-3.72	-8.57e-04	-6.21e-05	6.04e-05
5546	193	9.55	-10.68	-0.21	3.85e-04	-1.68e-04	-4.59e-04
5546	216	19.40	1.83	-2.68	-4.60e-04	-2.72e-04	-8.91e-04
5546	220	-0.25	10.99	-4.01	-9.59e-04	-5.97e-05	7.58e-05
5546	225	11.38	-12.38	0.06	4.84e-04	-1.86e-04	-5.45e-04
5547	4	0.73	0.31	-3.28	-3.97e-04	-1.35e-04	-2.46e-05
5547	44	0.66	-2.22	-2.54	-2.21e-04	-1.29e-04	3.48e-05
5547	52	0.74	-0.66	-3.12	-3.44e-04	-1.34e-04	-1.20e-05
5547	68	0.52	0.18	-2.33	-2.85e-04	-1.02e-04	-1.71e-05
5547	88	0.47	-1.51	-1.84	-1.68e-04	-9.82e-05	2.25e-05
5547	92	0.53	-0.47	-2.23	-2.50e-04	-1.02e-04	-8.72e-06
5547	98	0.45	-0.39	-1.93	-2.33e-04	-9.98e-05	-7.71e-06
5547	105	0.43	-0.59	-1.82	-2.14e-04	-9.88e-05	-1.37e-06
5547	107	0.43	-0.37	-1.86	-2.26e-04	-9.89e-05	-7.49e-06
5547	112	14.46	1.10	-2.45	-4.28e-04	-2.48e-04	-6.28e-04
5547	124	0.04	8.37	-3.48	-8.03e-04	-2.42e-05	4.45e-05
5547	129	8.26	-9.81	-0.31	3.27e-04	-1.88e-04	-3.97e-04
5547	144	16.25	1.28	-2.52	-4.53e-04	-2.67e-04	-7.06e-04

5547	156	-0.03	9.46	-3.69	-8.75e-04	-8.90e-05	5.15e-05
5547	161	9.29	-10.99	-0.11	3.96e-04	-1.99e-04	-4.48e-04
5547	176	16.37	1.26	-2.51	-4.46e-04	-2.65e-04	-6.96e-04
5547	188	-0.10	9.34	-3.66	-8.64e-04	-8.89e-05	5.32e-05
5547	193	9.55	-10.87	-0.14	3.88e-04	-2.00e-04	-4.49e-04
5547	216	19.40	1.32	-2.55	-4.70e-04	-3.09e-04	-8.90e-04
5547	220	-0.25	10.93	-3.95	-9.68e-04	-8.65e-05	6.68e-05
5547	225	11.38	-12.60	0.14	4.88e-04	-2.19e-04	-5.32e-04
5548	4	0.11	1.70	-2.96	-1.14e-03	0.0	-6.44e-04
5548	19	0.05	2.90	-1.09	-1.98e-03	0.0	-1.08e-03
5548	28	0.10	-1.21	-3.30	7.08e-04	0.0	3.27e-04
5548	68	0.08	1.13	-2.12	-7.57e-04	0.0	-4.29e-04
5548	72	0.05	1.93	-1.25	-1.31e-03	0.0	-7.18e-04
5548	80	0.07	-0.81	-2.34	4.74e-04	0.0	2.18e-04
5548	98	0.06	-0.03	-1.93	3.69e-05	0.0	2.62e-06
5548	102	0.04	0.37	-1.40	-2.43e-04	0.0	-1.42e-04
5548	107	0.06	-0.02	-1.86	3.51e-05	0.0	2.49e-06
5548	108	2.98	3.95	-0.70	-6.36e-04	0.0	-3.52e-04
5548	127	-2.03	-5.87	-3.72	1.14e-03	0.0	-2.95e-05
5548	139	0.78	-6.34	-3.49	1.26e-03	0.0	3.13e-04
5548	140	3.34	4.45	-0.56	-7.20e-04	0.0	-3.97e-04
5548	159	-2.29	-6.60	-3.95	1.27e-03	0.0	-3.37e-05
5548	171	0.88	-7.14	-3.70	1.41e-03	0.0	3.53e-04
5548	172	3.17	4.39	-0.57	-7.08e-04	0.0	-3.88e-04
5548	191	-2.19	-6.47	-3.92	1.25e-03	0.0	-3.38e-05
5548	203	0.89	-7.11	-3.69	1.40e-03	0.0	3.54e-04
5548	204	3.62	5.13	-0.34	-8.30e-04	0.0	-4.52e-04
5548	223	-2.52	-7.50	-4.25	1.44e-03	0.0	-4.19e-05
5548	235	1.03	-8.32	-4.00	1.63e-03	0.0	4.20e-04
5549	4	0.10	1.25	-2.98	-7.14e-04	-4.45e-06	-7.40e-04
5549	19	0.04	2.15	-1.07	-1.28e-03	-7.38e-06	-1.24e-03
5549	28	0.09	-0.98	-3.31	4.99e-04	2.17e-06	3.74e-04
5549	68	0.07	0.83	-2.13	-4.74e-04	-2.97e-06	-4.93e-04
5549	72	0.04	1.43	-1.23	-8.42e-04	-4.92e-06	-8.25e-04
5549	80	0.06	-0.66	-2.35	3.35e-04	1.45e-06	2.50e-04
5549	98	0.05	-0.02	-1.93	3.85e-05	0.0	2.26e-06
5549	102	0.03	0.27	-1.38	-1.48e-04	0.0	-1.64e-04
5549	107	0.05	-0.02	-1.86	3.67e-05	0.0	2.14e-06
5549	108	3.01	3.71	-0.66	-5.82e-04	5.30e-06	-4.60e-04
5549	127	-2.06	-5.79	-3.76	1.10e-03	2.17e-06	2.81e-04
5549	139	0.79	-6.17	-3.44	1.17e-03	6.75e-06	3.46e-04
5549	140	3.38	4.18	-0.51	-6.60e-04	5.97e-06	-5.19e-04
5549	159	-2.32	-6.51	-3.99	1.24e-03	2.43e-06	3.16e-04
5549	171	0.89	-6.95	-3.64	1.31e-03	7.61e-06	3.90e-04
5549	172	3.21	4.13	-0.52	-6.53e-04	5.60e-06	-5.08e-04
5549	191	-2.22	-6.39	-3.96	1.22e-03	2.24e-06	3.09e-04
5549	203	0.90	-6.91	-3.63	1.30e-03	7.61e-06	3.91e-04
5549	204	3.66	4.82	-0.30	-7.68e-04	6.37e-06	-5.92e-04
5549	223	-2.56	-7.41	-4.30	1.41e-03	2.56e-06	3.61e-04
5549	235	1.04	-8.09	-3.93	1.52e-03	8.90e-06	4.63e-04
5550	4	0.42	0.30	-3.20	4.59e-04	-1.23e-04	-4.22e-05
5550	28	0.41	-1.65	-3.53	5.63e-04	-1.24e-04	-5.46e-06
5550	44	0.35	-2.22	-3.28	5.44e-04	-1.23e-04	4.52e-06
5550	68	0.29	0.18	-2.28	3.33e-04	-9.41e-05	-2.92e-05
5550	80	0.28	-1.12	-2.51	4.02e-04	-9.48e-05	-4.70e-06
5550	88	0.24	-1.50	-2.34	3.90e-04	-9.36e-05	1.95e-06
5550	98	0.22	-0.40	-2.06	3.31e-04	-9.38e-05	-1.18e-05
5550	105	0.21	-0.60	-2.02	3.31e-04	-9.34e-05	-8.58e-06
5550	107	0.21	-0.38	-1.98	3.19e-04	-9.33e-05	-1.14e-05
5550	108	8.32	1.21	-1.00	7.94e-05	-1.87e-04	-4.97e-04
5550	127	-5.49	-9.12	-3.87	9.02e-04	-3.25e-05	-6.36e-05
5550	129	-1.84	-9.82	-3.62	8.59e-04	-3.21e-05	-4.02e-04
5550	140	9.33	1.41	-0.87	4.95e-05	-1.99e-04	-5.58e-04
5550	159	-6.20	-10.21	-4.11	9.74e-04	-2.49e-05	-7.06e-05
5550	161	-2.10	-11.00	-3.82	9.27e-04	-2.45e-05	-4.52e-04
5550	172	8.90	1.40	-0.92	5.80e-05	-1.94e-04	-5.48e-04
5550	191	-5.93	-10.09	-4.07	9.64e-04	-2.80e-05	-7.23e-05
5550	193	-2.12	-10.88	-3.81	9.19e-04	-2.71e-05	-4.53e-04
5550	204	10.18	1.68	-0.76	1.77e-05	-2.09e-04	-6.36e-04
5550	223	-6.86	-11.68	-4.41	1.07e-03	-1.80e-05	-8.60e-05
5550	225	-2.49	-12.61	-4.11	1.02e-03	-1.59e-05	-5.36e-04
5551	4	0.37	1.01	-2.96	1.11e-03	0.0	-3.02e-04
5551	28	0.36	-1.70	-3.30	-4.07e-04	0.0	1.17e-04
5551	44	0.31	-2.45	-3.09	-7.42e-04	0.0	2.12e-04
5551	68	0.25	0.66	-2.12	7.41e-04	0.0	-2.02e-04

5551	80	0.25	-1.15	-2.35	-2.68e-04	0.0	7.71e-05
5551	88	0.21	-1.65	-2.21	-4.91e-04	0.0	1.41e-04
5551	98	0.19	-0.27	-1.93	4.72e-05	0.0	-1.36e-05
5551	105	0.18	-0.53	-1.90	-6.33e-05	0.0	1.79e-05
5551	107	0.18	-0.26	-1.86	4.52e-05	0.0	-1.31e-05
5551	108	8.26	5.75	-0.75	-2.55e-05	0.0	-5.12e-04
5551	127	-5.51	-9.64	-3.70	2.05e-04	0.0	-5.76e-05
5551	139	2.16	-10.76	-3.51	1.38e-04	0.0	4.11e-04
5551	140	9.27	6.51	-0.61	-3.42e-05	0.0	-5.75e-04
5551	159	-6.21	-10.81	-3.92	2.25e-04	0.0	-6.36e-05
5551	171	2.41	-12.08	-3.72	1.50e-04	0.0	4.65e-04
5551	172	8.85	6.38	-0.61	-3.13e-05	0.0	-5.66e-04
5551	191	-5.95	-10.58	-3.89	2.22e-04	0.0	-6.48e-05
5551	203	2.43	-12.00	-3.71	1.47e-04	0.0	4.69e-04
5551	204	10.12	7.46	-0.40	-4.29e-05	0.0	-6.57e-04
5551	223	-6.87	-12.23	-4.22	2.50e-04	0.0	-7.67e-05
5551	235	2.79	-13.99	-4.03	1.63e-04	0.0	5.60e-04
5552	4	0.37	0.83	-2.99	7.89e-04	2.71e-06	-3.09e-04
5552	28	0.37	-1.63	-3.32	-2.43e-04	-1.38e-06	1.21e-04
5552	44	0.31	-2.33	-3.10	-4.70e-04	-2.29e-06	2.19e-04
5552	68	0.26	0.54	-2.13	5.29e-04	1.81e-06	-2.07e-04
5552	80	0.25	-1.10	-2.36	-1.58e-04	0.0	7.96e-05
5552	88	0.22	-1.57	-2.21	-3.10e-04	-1.53e-06	1.45e-04
5552	98	0.20	-0.28	-1.94	5.04e-05	0.0	-1.35e-05
5552	105	0.18	-0.52	-1.90	-2.44e-05	0.0	1.88e-05
5552	107	0.18	-0.27	-1.86	4.83e-05	0.0	-1.30e-05
5552	108	8.26	5.41	-0.75	-3.93e-05	3.18e-06	-5.18e-04
5552	127	-5.50	-9.55	-3.71	2.72e-04	-5.07e-06	-5.49e-05
5552	139	2.16	-10.56	-3.47	2.18e-04	-5.52e-06	4.22e-04
5552	140	9.27	6.12	-0.61	-5.02e-05	3.58e-06	-5.81e-04
5552	159	-6.21	-10.71	-3.94	3.00e-04	-5.70e-06	-6.06e-05
5552	171	2.41	-11.86	-3.67	2.39e-04	-6.21e-06	4.78e-04
5552	172	8.85	6.00	-0.62	-4.82e-05	3.48e-06	-5.72e-04
5552	191	-5.95	-10.49	-3.91	2.96e-04	-5.55e-06	-6.12e-05
5552	203	2.43	-11.77	-3.66	2.36e-04	-6.15e-06	4.82e-04
5552	204	10.12	7.02	-0.40	-6.37e-05	4.03e-06	-6.64e-04
5552	223	-6.87	-12.12	-4.24	3.36e-04	-6.43e-06	-7.22e-05
5552	235	2.79	-13.72	-3.96	2.67e-04	-7.16e-06	5.76e-04
5553	4	0.43	0.47	-2.92	3.79e-04	9.27e-05	1.96e-06
5553	28	0.42	-1.48	-3.26	4.84e-04	8.92e-05	-3.84e-05
5553	44	0.36	-2.06	-3.06	4.74e-04	6.88e-05	-4.50e-05
5553	68	0.30	0.29	-2.09	2.74e-04	6.08e-05	0.0
5553	80	0.29	-1.00	-2.32	3.45e-04	5.85e-05	-2.69e-05
5553	88	0.25	-1.39	-2.19	3.38e-04	4.49e-05	-3.13e-05
5553	98	0.23	-0.29	-1.92	2.77e-04	4.22e-05	-1.58e-05
5553	105	0.22	-0.49	-1.89	2.79e-04	3.75e-05	-1.82e-05
5553	107	0.22	-0.27	-1.85	2.67e-04	3.79e-05	-1.53e-05
5553	108	8.32	6.07	-0.73	-7.28e-05	-6.84e-05	-4.84e-04
5553	127	-5.49	-9.78	-3.66	8.41e-04	1.09e-04	-8.54e-05
5553	139	2.19	-10.97	-3.55	8.63e-04	-4.45e-05	3.64e-04
5553	140	9.34	6.86	-0.59	-1.15e-04	-8.16e-05	-5.43e-04
5553	159	-6.20	-10.96	-3.89	9.12e-04	1.18e-04	-9.49e-05
5553	171	2.44	-12.31	-3.76	9.38e-04	-5.48e-05	4.13e-04
5553	172	8.91	6.73	-0.60	-1.11e-04	-7.47e-05	-5.33e-04
5553	191	-5.93	-10.73	-3.85	9.00e-04	1.14e-04	-9.82e-05
5553	203	2.46	-12.24	-3.75	9.33e-04	-5.22e-05	4.14e-04
5553	204	10.19	7.87	-0.38	-1.75e-04	-9.08e-05	-6.18e-04
5553	223	-6.86	-12.40	-4.18	1.00e-03	1.25e-04	-1.16e-04
5553	235	2.82	-14.28	-4.08	1.05e-03	-6.75e-05	4.95e-04
5554	4	0.43	0.46	-2.96	3.94e-04	6.07e-05	-2.82e-05
5554	28	0.42	-1.50	-3.30	4.99e-04	5.64e-05	-2.46e-05
5554	44	0.36	-2.08	-3.09	4.87e-04	3.66e-05	-2.14e-05
5554	68	0.29	0.29	-2.12	2.85e-04	3.65e-05	-2.02e-05
5554	80	0.29	-1.01	-2.35	3.56e-04	3.36e-05	-1.78e-05
5554	88	0.25	-1.40	-2.21	3.48e-04	2.04e-05	-1.56e-05
5554	98	0.23	-0.30	-1.93	2.87e-04	1.77e-05	-1.64e-05
5554	105	0.21	-0.50	-1.90	2.88e-04	1.32e-05	-1.55e-05
5554	107	0.21	-0.28	-1.86	2.77e-04	1.37e-05	-1.58e-05
5554	108	8.32	5.75	-0.75	-4.95e-05	-9.38e-05	-4.95e-04
5554	127	-5.49	-9.73	-3.70	8.49e-04	8.40e-05	-7.77e-05
5554	139	2.19	-10.82	-3.52	8.67e-04	-7.29e-05	3.76e-04
5554	140	9.34	6.50	-0.61	-9.05e-05	-1.07e-04	-5.56e-04
5554	159	-6.20	-10.91	-3.92	9.20e-04	9.27e-05	-8.61e-05
5554	171	2.44	-12.15	-3.72	9.41e-04	-8.37e-05	4.26e-04
5554	172	8.91	6.38	-0.61	-8.64e-05	-1.00e-04	-5.45e-04

5554	191	-5.94	-10.69	-3.89	9.08e-04	8.85e-05	-8.88e-05
5554	203	2.46	-12.07	-3.71	9.36e-04	-8.13e-05	4.28e-04
5554	204	10.19	7.46	-0.40	-1.47e-04	-1.17e-04	-6.32e-04
5554	223	-6.86	-12.35	-4.22	1.01e-03	9.97e-05	-1.05e-04
5554	235	2.82	-14.07	-4.03	1.05e-03	-9.74e-05	5.12e-04
5555	4	0.43	0.43	-2.99	4.09e-04	3.21e-05	-4.93e-05
5555	28	0.42	-1.51	-3.32	5.14e-04	2.71e-05	-1.53e-05
5555	44	0.36	-2.09	-3.10	5.00e-04	8.99e-06	-5.27e-06
5555	68	0.29	0.27	-2.13	2.96e-04	1.52e-05	-3.43e-05
5555	80	0.29	-1.02	-2.36	3.66e-04	1.18e-05	-1.16e-05
5555	88	0.25	-1.41	-2.21	3.57e-04	0.0	-4.94e-06
5555	98	0.23	-0.31	-1.94	2.97e-04	-3.20e-06	-1.69e-05
5555	105	0.21	-0.51	-1.90	2.98e-04	-7.42e-06	-1.38e-05
5555	107	0.21	-0.29	-1.86	2.86e-04	-6.84e-06	-1.64e-05
5555	108	8.32	5.41	-0.75	-2.63e-05	8.42e-05	-5.05e-04
5555	127	-5.49	-9.68	-3.71	8.56e-04	-6.25e-05	-7.20e-05
5555	139	2.19	-10.66	-3.47	8.71e-04	-7.22e-05	3.89e-04
5555	140	9.34	6.13	-0.61	-6.55e-05	9.57e-05	-5.67e-04
5555	159	-6.20	-10.85	-3.94	9.27e-04	-6.95e-05	-7.95e-05
5555	171	2.44	-11.97	-3.67	9.45e-04	-8.07e-05	4.41e-04
5555	172	8.91	6.01	-0.62	-6.17e-05	9.43e-05	-5.56e-04
5555	191	-5.94	-10.63	-3.91	9.16e-04	-6.85e-05	-8.17e-05
5555	203	2.46	-11.88	-3.66	9.39e-04	-8.17e-05	4.43e-04
5555	204	10.19	7.04	-0.40	-1.20e-04	1.12e-04	-6.45e-04
5555	223	-6.86	-12.28	-4.24	1.02e-03	-7.91e-05	-9.63e-05
5555	235	2.82	-13.84	-3.96	1.05e-03	-9.61e-05	5.31e-04
5556	18	0.02	0.85	-2.76	6.58e-04	1.16e-04	2.03e-05
5556	28	7.92e-03	-0.47	-3.57	9.19e-04	1.12e-04	-1.84e-05
5556	75	0.01	0.57	-1.99	4.79e-04	9.00e-05	1.30e-05
5556	80	5.35e-03	-0.31	-2.53	6.54e-04	8.69e-05	-1.27e-05
5556	98	4.44e-03	0.02	-2.08	5.27e-04	8.83e-05	-5.73e-06
5556	103	5.16e-03	0.13	-1.97	4.93e-04	8.90e-05	-1.75e-06
5556	107	4.10e-03	0.02	-2.00	5.08e-04	8.89e-05	-5.55e-06
5556	108	2.62	1.96	-2.07	3.92e-04	-1.44e-04	-2.89e-04
5556	133	1.85	-4.09	-3.89	1.18e-03	-8.10e-05	1.64e-05
5556	136	-0.67	4.54	-0.37	-1.66e-04	1.49e-04	-2.22e-04
5556	140	2.94	2.21	-2.08	3.78e-04	-1.72e-04	-3.25e-04
5556	165	2.08	-4.60	-4.13	1.27e-03	-1.02e-04	1.96e-05
5556	168	-0.75	5.10	-0.16	-2.50e-04	1.57e-04	-2.50e-04
5556	172	2.78	2.18	-2.05	3.79e-04	-1.54e-04	-3.22e-04
5556	197	1.99	-4.54	-4.09	1.26e-03	-9.20e-05	2.13e-05
5556	200	-0.77	5.05	-0.17	-2.40e-04	1.59e-04	-2.54e-04
5556	204	3.17	2.53	-2.05	3.57e-04	-1.87e-04	-3.76e-04
5556	229	2.28	-5.29	-4.43	1.38e-03	-1.18e-04	2.80e-05
5556	232	-0.90	5.88	0.13	-3.62e-04	1.70e-04	-3.03e-04
5557	4	0.04	0.89	-3.24	-7.08e-04	3.67e-06	3.89e-04
5557	19	0.03	1.50	-1.16	-1.27e-03	6.11e-06	6.57e-04
5557	28	0.04	-0.73	-3.57	5.00e-04	-1.82e-06	-2.07e-04
5557	68	0.03	0.59	-2.31	-4.69e-04	2.45e-06	2.59e-04
5557	72	0.02	1.00	-1.33	-8.38e-04	4.07e-06	4.37e-04
5557	80	0.03	-0.49	-2.53	3.35e-04	-1.22e-06	-1.38e-04
5557	98	0.02	-4.65e-03	-2.08	4.03e-05	0.0	-5.33e-06
5557	102	0.02	0.20	-1.48	-1.46e-04	0.0	8.39e-05
5557	103	0.02	0.20	-1.97	-1.35e-04	0.0	8.30e-05
5557	107	0.02	-4.22e-03	-2.00	3.83e-05	0.0	-5.18e-06
5557	108	2.81	2.14	-2.07	-4.11e-05	0.0	-2.93e-04
5557	133	1.99	-4.65	-3.89	1.16e-03	-4.28e-06	-2.35e-04
5557	139	0.73	-5.10	-3.64	1.05e-03	-3.40e-06	-2.91e-05
5557	140	3.16	2.41	-2.08	-5.11e-05	0.0	-3.29e-04
5557	165	2.23	-5.23	-4.13	1.30e-03	-4.81e-06	-2.65e-04
5557	171	0.83	-5.74	-3.84	1.18e-03	-3.82e-06	-3.20e-05
5557	172	2.99	2.37	-2.05	-6.16e-05	0.0	-3.23e-04
5557	197	2.13	-5.17	-4.09	1.28e-03	-4.67e-06	-2.60e-04
5557	203	0.84	-5.67	-3.83	1.17e-03	-3.69e-06	-2.78e-05
5557	204	3.41	2.75	-2.05	-8.42e-05	0.0	-3.75e-04
5557	229	2.44	-6.01	-4.43	1.48e-03	-5.40e-06	-3.04e-04
5557	235	0.97	-6.61	-4.13	1.36e-03	-4.25e-06	-2.88e-05
5558	18	0.02	0.86	-2.84	6.58e-04	9.42e-05	1.98e-06
5558	28	9.62e-03	-0.48	-3.64	9.20e-04	8.93e-05	-9.79e-06
5558	75	0.01	0.57	-2.05	4.80e-04	7.32e-05	0.0
5558	80	6.54e-03	-0.32	-2.59	6.54e-04	7.00e-05	-6.88e-06
5558	98	5.19e-03	0.01	-2.14	5.27e-04	7.20e-05	-4.35e-06
5558	103	5.79e-03	0.12	-2.02	4.94e-04	7.27e-05	-3.11e-06
5558	107	4.83e-03	0.01	-2.06	5.09e-04	7.26e-05	-4.21e-06
5558	108	2.62	1.77	-1.88	3.72e-04	-2.79e-04	-2.90e-04

5558	133	1.86	-4.13	-3.79	1.17e-03	-1.82e-04	1.95e-05
5558	136	-0.67	4.46	-0.47	-1.55e-04	1.66e-04	-2.23e-04
5558	140	2.95	1.99	-1.86	3.55e-04	-3.23e-04	-3.26e-04
5558	165	2.09	-4.65	-4.00	1.26e-03	-2.14e-04	2.29e-05
5558	168	-0.76	5.01	-0.27	-2.38e-04	1.78e-04	-2.52e-04
5558	172	2.78	1.97	-1.85	3.57e-04	-2.97e-04	-3.23e-04
5558	197	1.99	-4.59	-3.97	1.24e-03	-1.99e-04	2.49e-05
5558	200	-0.77	4.95	-0.29	-2.27e-04	1.80e-04	-2.56e-04
5558	204	3.18	2.29	-1.81	3.32e-04	-3.47e-04	-3.77e-04
5558	229	2.29	-5.34	-4.28	1.36e-03	-2.39e-04	3.21e-05
5558	232	-0.90	5.77	1.21e-03	-3.48e-04	1.98e-04	-3.05e-04
5559	4	0.04	1.12	-3.31	-1.13e-03	0.0	3.49e-04
5559	19	0.02	1.88	-1.22	-1.97e-03	0.0	5.91e-04
5559	28	0.04	-0.85	-3.64	7.08e-04	0.0	-1.86e-04
5559	68	0.03	0.74	-2.37	-7.48e-04	0.0	2.32e-04
5559	72	0.02	1.25	-1.39	-1.30e-03	0.0	3.92e-04
5559	80	0.03	-0.57	-2.59	4.75e-04	0.0	-1.24e-04
5559	98	0.02	-7.71e-03	-2.14	4.04e-05	0.0	-4.89e-06
5559	102	0.02	0.25	-1.54	-2.39e-04	0.0	7.53e-05
5559	103	0.02	0.24	-2.02	-2.27e-04	0.0	7.45e-05
5559	107	0.02	-7.19e-03	-2.06	3.84e-05	0.0	-4.75e-06
5559	108	2.81	1.95	-1.88	-1.13e-04	0.0	-2.98e-04
5559	133	1.99	-4.71	-3.79	1.17e-03	0.0	2.27e-05
5559	139	0.73	-5.04	-3.65	1.09e-03	0.0	2.30e-04
5559	140	3.16	2.19	-1.86	-1.32e-04	0.0	-3.35e-04
5559	165	2.23	-5.30	-4.00	1.31e-03	0.0	2.64e-05
5559	171	0.83	-5.66	-3.85	1.22e-03	0.0	2.60e-04
5559	172	2.99	2.16	-1.85	-1.38e-04	0.0	-3.29e-04
5559	197	2.13	-5.23	-3.97	1.29e-03	0.0	2.66e-05
5559	203	0.84	-5.59	-3.83	1.21e-03	0.0	2.61e-04
5559	204	3.41	2.51	-1.81	-1.71e-04	0.0	-3.83e-04
5559	229	2.45	-6.08	-4.28	1.50e-03	0.0	3.36e-05
5559	235	0.97	-6.51	-4.12	1.40e-03	0.0	3.11e-04
5560	18	0.02	0.85	-2.89	6.59e-04	6.03e-05	-2.45e-05
5560	28	0.01	-0.48	-3.69	9.21e-04	5.58e-05	0.0
5560	75	0.01	0.57	-2.09	4.80e-04	4.72e-05	-1.66e-05
5560	80	8.12e-03	-0.32	-2.63	6.55e-04	4.42e-05	0.0
5560	98	6.39e-03	0.01	-2.18	5.28e-04	4.63e-05	-3.31e-06
5560	103	6.87e-03	0.12	-2.06	4.95e-04	4.70e-05	-5.83e-06
5560	107	6.01e-03	0.01	-2.10	5.09e-04	4.69e-05	-3.20e-06
5560	108	2.62	1.58	-1.56	3.53e-04	-2.97e-04	-2.90e-04
5560	127	-1.87	-4.31	-3.67	1.13e-03	2.96e-04	-2.44e-05
5560	132	-0.50	4.38	-0.53	-1.26e-04	1.20e-04	-2.23e-04
5560	140	2.95	1.78	-1.50	3.34e-04	-3.39e-04	-3.26e-04
5560	159	-2.10	-4.85	-3.87	1.21e-03	3.27e-04	-2.75e-05
5560	164	-0.56	4.92	-0.34	-2.05e-04	1.28e-04	-2.51e-04
5560	172	2.78	1.76	-1.51	3.35e-04	-3.14e-04	-3.24e-04
5560	191	-2.00	-4.77	-3.84	1.20e-03	3.12e-04	-2.90e-05
5560	200	-0.77	4.85	-0.37	-2.15e-04	1.53e-04	-2.58e-04
5560	204	3.17	2.04	-1.41	3.07e-04	-3.63e-04	-3.78e-04
5560	223	-2.30	-5.55	-4.12	1.31e-03	3.51e-04	-3.55e-05
5560	232	-0.90	5.65	-0.08	-3.33e-04	1.71e-04	-3.08e-04
5561	4	0.04	1.31	-3.36	-1.49e-03	1.67e-06	3.26e-04
5561	19	0.02	2.20	-1.26	-2.57e-03	2.80e-06	5.52e-04
5561	28	0.03	-0.95	-3.69	8.90e-04	0.0	-1.74e-04
5561	68	0.03	0.87	-2.41	-9.88e-04	1.11e-06	2.17e-04
5561	72	0.02	1.47	-1.43	-1.70e-03	1.86e-06	3.66e-04
5561	80	0.02	-0.63	-2.63	5.96e-04	0.0	-1.16e-04
5561	98	0.02	-0.01	-2.18	4.13e-05	0.0	-4.57e-06
5561	102	0.02	0.29	-1.58	-3.18e-04	0.0	7.04e-05
5561	103	0.02	0.28	-2.06	-3.07e-04	0.0	6.96e-05
5561	107	0.02	-9.90e-03	-2.10	3.94e-05	0.0	-4.44e-06
5561	108	2.81	1.75	-1.56	-1.82e-04	3.04e-06	-3.02e-04
5561	127	-1.97	-4.88	-3.67	1.05e-03	0.0	-4.68e-05
5561	135	0.54	-4.96	-3.66	1.11e-03	1.52e-06	2.30e-04
5561	140	3.15	1.98	-1.50	-2.09e-04	3.42e-06	-3.40e-04
5561	159	-2.21	-5.49	-3.87	1.17e-03	0.0	-5.25e-05
5561	167	0.61	-5.58	-3.86	1.24e-03	1.71e-06	2.59e-04
5561	172	2.98	1.94	-1.51	-2.11e-04	3.17e-06	-3.34e-04
5561	191	-2.11	-5.40	-3.84	1.15e-03	0.0	-5.46e-05
5561	203	0.84	-5.50	-3.83	1.23e-03	1.95e-06	2.65e-04
5561	204	3.41	2.26	-1.41	-2.54e-04	3.58e-06	-3.88e-04
5561	223	-2.43	-6.27	-4.12	1.34e-03	0.0	-6.56e-05
5561	235	0.97	-6.40	-4.11	1.43e-03	2.29e-06	3.16e-04
5562	4	0.08	1.26	-3.24	-7.09e-04	4.42e-06	7.42e-04

5562	19	0.05	2.16	-1.16	-1.27e-03	7.36e-06	1.24e-03
5562	28	0.08	-0.99	-3.57	5.00e-04	-2.19e-06	-3.82e-04
5562	68	0.06	0.84	-2.31	-4.70e-04	2.95e-06	4.94e-04
5562	72	0.05	1.44	-1.33	-8.39e-04	4.91e-06	8.28e-04
5562	80	0.05	-0.66	-2.53	3.36e-04	-1.46e-06	-2.55e-04
5562	98	0.05	-0.03	-2.08	4.04e-05	0.0	-4.83e-06
5562	102	0.04	0.27	-1.48	-1.47e-04	0.0	1.62e-04
5562	107	0.05	-0.02	-2.00	3.84e-05	0.0	-4.71e-06
5562	108	2.98	2.32	-2.07	-4.01e-05	6.18e-06	-2.96e-04
5562	133	2.11	-5.21	-3.89	1.16e-03	-3.58e-06	-2.59e-04
5562	139	0.79	-5.70	-3.64	1.05e-03	-5.74e-06	-4.07e-05
5562	140	3.35	2.61	-2.07	-4.99e-05	6.95e-06	-3.33e-04
5562	165	2.36	-5.86	-4.12	1.30e-03	-4.01e-06	-2.91e-04
5562	171	0.89	-6.41	-3.84	1.18e-03	-6.44e-06	-4.48e-05
5562	172	3.17	2.56	-2.05	-6.05e-05	6.58e-06	-3.24e-04
5562	197	2.26	-5.79	-4.09	1.28e-03	-3.85e-06	-2.82e-04
5562	203	0.90	-6.33	-3.83	1.17e-03	-6.07e-06	-3.76e-05
5562	204	3.62	2.98	-2.04	-8.30e-05	7.51e-06	-3.75e-04
5562	229	2.59	-6.73	-4.42	1.48e-03	-4.46e-06	-3.27e-04
5562	235	1.04	-7.37	-4.13	1.36e-03	-6.97e-06	-3.87e-05
5563	4	0.07	1.71	-3.31	-1.13e-03	0.0	6.45e-04
5563	19	0.05	2.92	-1.22	-1.98e-03	0.0	1.08e-03
5563	28	0.07	-1.22	-3.64	7.11e-04	0.0	-3.35e-04
5563	68	0.05	1.14	-2.37	-7.52e-04	0.0	4.30e-04
5563	72	0.04	1.94	-1.39	-1.31e-03	0.0	7.21e-04
5563	80	0.05	-0.82	-2.59	4.76e-04	0.0	-2.24e-04
5563	98	0.05	-0.03	-2.14	4.04e-05	0.0	-5.22e-06
5563	102	0.04	0.37	-1.54	-2.40e-04	0.0	1.41e-04
5563	103	0.05	0.36	-2.02	-2.29e-04	0.0	1.40e-04
5563	107	0.04	-0.03	-2.06	3.84e-05	0.0	-5.09e-06
5563	108	2.93	2.13	-1.88	-1.12e-04	0.0	-3.08e-04
5563	133	2.08	-5.29	-3.79	1.17e-03	0.0	-2.55e-04
5563	139	0.78	-5.64	-3.65	1.09e-03	0.0	-3.37e-05
5563	140	3.29	2.40	-1.86	-1.31e-04	0.0	-3.47e-04
5563	165	2.33	-5.95	-4.00	1.31e-03	0.0	-2.86e-04
5563	171	0.87	-6.34	-3.85	1.22e-03	0.0	-3.71e-05
5563	172	3.12	2.36	-1.85	-1.37e-04	0.0	-3.37e-04
5563	197	2.23	-5.87	-3.97	1.29e-03	0.0	-2.79e-04
5563	203	0.88	-6.26	-3.83	1.21e-03	0.0	-3.18e-05
5563	204	3.56	2.74	-1.81	-1.71e-04	0.0	-3.90e-04
5563	229	2.55	-6.82	-4.28	1.50e-03	0.0	-3.25e-04
5563	235	1.02	-7.29	-4.12	1.40e-03	0.0	-3.30e-05
5564	4	0.06	2.09	-3.36	-1.49e-03	3.37e-06	5.35e-04
5564	19	0.04	3.55	-1.26	-2.57e-03	5.64e-06	9.02e-04
5564	28	0.06	-1.42	-3.69	8.90e-04	-1.71e-06	-2.80e-04
5564	68	0.04	1.39	-2.41	-9.89e-04	2.25e-06	3.56e-04
5564	72	0.04	2.36	-1.43	-1.70e-03	3.75e-06	5.99e-04
5564	80	0.04	-0.95	-2.63	5.96e-04	-1.14e-06	-1.87e-04
5564	98	0.04	-0.03	-2.18	4.14e-05	0.0	-5.46e-06
5564	102	0.03	0.46	-1.58	-3.19e-04	0.0	1.16e-04
5564	103	0.04	0.45	-2.06	-3.07e-04	0.0	1.15e-04
5564	107	0.04	-0.03	-2.10	3.94e-05	0.0	-5.32e-06
5564	108	2.91	1.93	-1.57	-1.82e-04	6.33e-06	-3.20e-04
5564	135	0.57	-5.56	-3.67	1.11e-03	-3.93e-06	2.50e-04
5564	140	3.27	2.17	-1.50	-2.09e-04	7.12e-06	-3.59e-04
5564	167	0.63	-6.25	-3.86	1.24e-03	-4.41e-06	2.83e-04
5564	172	3.10	2.14	-1.51	-2.11e-04	6.65e-06	-3.50e-04
5564	199	0.63	-6.17	-3.84	1.23e-03	-4.09e-06	2.77e-04
5564	203	0.87	-6.17	-3.83	1.23e-03	-3.74e-06	2.86e-04
5564	204	3.54	2.49	-1.41	-2.54e-04	7.54e-06	-4.05e-04
5564	231	0.72	-7.17	-4.12	1.42e-03	-4.65e-06	3.25e-04
5564	235	1.01	-7.17	-4.12	1.43e-03	-4.25e-06	3.40e-04
5565	4	0.25	1.84	-2.34	1.31e-03	-4.05e-06	5.00e-04
5565	19	0.05	3.57	-0.83	2.10e-03	-6.74e-06	8.56e-04
5565	28	0.25	-1.94	-2.68	-5.38e-04	2.02e-06	-2.79e-04
5565	68	0.17	1.22	-1.68	8.76e-04	-2.70e-06	3.32e-04
5565	72	0.06	2.33	-0.98	1.41e-03	-4.50e-06	5.68e-04
5565	80	0.16	-1.30	-1.91	-3.57e-04	1.35e-06	-1.87e-04
5565	98	0.12	-0.21	-1.56	3.41e-05	0.0	-1.23e-05
5565	105	0.11	-0.55	-1.54	-1.01e-04	0.0	-6.95e-05
5565	107	0.11	-0.20	-1.50	3.22e-05	0.0	-1.18e-05
5565	108	8.17	7.79	-0.21	8.63e-05	-5.22e-06	-3.83e-04
5565	127	-5.57	-10.02	-3.32	5.32e-05	5.65e-06	-1.45e-04
5565	139	2.08	-11.81	-3.31	-3.27e-05	8.38e-06	-7.41e-05
5565	140	9.18	8.79	-0.05	9.30e-05	-5.87e-06	-4.29e-04

5565	159	-6.27	-11.24	-3.55	5.59e-05	6.35e-06	-1.62e-04
5565	171	2.33	-13.28	-3.54	-4.09e-05	9.43e-06	-8.11e-05
5565	172	8.75	8.62	-0.05	9.08e-05	-5.66e-06	-4.22e-04
5565	203	2.35	-13.23	-3.54	-4.10e-05	9.29e-06	-7.08e-05
5565	204	10.01	10.06	0.19	1.00e-04	-6.54e-06	-4.90e-04
5565	235	2.71	-15.49	-3.89	-5.39e-05	1.09e-05	-7.38e-05
5566	4	0.26	2.09	-2.51	1.56e-03	0.0	3.48e-04
5566	19	0.05	3.99	-0.93	2.51e-03	0.0	6.03e-04
5566	28	0.25	-2.08	-2.85	-6.60e-04	0.0	-2.03e-04
5566	68	0.17	1.38	-1.81	1.04e-03	0.0	2.31e-04
5566	72	0.06	2.61	-1.07	1.68e-03	0.0	3.99e-04
5566	80	0.17	-1.40	-2.04	-4.38e-04	0.0	-1.37e-04
5566	98	0.12	-0.22	-1.67	3.47e-05	0.0	-1.24e-05
5566	105	0.11	-0.58	-1.65	-1.28e-04	0.0	-5.28e-05
5566	107	0.11	-0.21	-1.62	3.28e-05	0.0	-1.20e-05
5566	108	8.17	7.52	-0.35	1.46e-04	0.0	-4.49e-04
5566	127	-5.57	-10.01	-3.45	-2.80e-05	0.0	-9.29e-05
5566	139	2.08	-11.73	-3.40	-9.01e-05	0.0	3.42e-04
5566	140	9.18	8.49	-0.19	1.60e-04	0.0	-5.04e-04
5566	159	-6.27	-11.23	-3.68	-3.54e-05	0.0	-1.04e-04
5566	171	2.33	-13.19	-3.62	-1.06e-04	0.0	3.88e-04
5566	172	8.75	8.32	-0.19	1.55e-04	0.0	-4.95e-04
5566	195	-5.31	-11.09	-3.65	3.19e-05	0.0	-9.23e-05
5566	203	2.35	-13.14	-3.62	-1.06e-04	0.0	3.88e-04
5566	204	10.01	9.71	0.05	1.74e-04	0.0	-5.74e-04
5566	227	-6.12	-12.87	-3.98	3.18e-05	0.0	-1.04e-04
5566	235	2.72	-15.36	-3.97	-1.30e-04	0.0	4.63e-04
5567	19	0.19	4.64	-1.00	2.14e-03	3.30e-06	-9.92e-04
5567	28	0.54	-2.47	-2.99	-5.02e-04	0.0	2.74e-04
5567	72	0.20	3.00	-1.15	1.44e-03	2.21e-06	-6.66e-04
5567	80	0.38	-1.67	-2.14	-3.30e-04	0.0	1.81e-04
5567	98	0.30	-0.35	-1.77	6.16e-05	0.0	-1.43e-05
5567	105	0.29	-0.75	-1.75	-7.49e-05	0.0	5.21e-05
5567	107	0.29	-0.33	-1.71	5.93e-05	0.0	-1.38e-05
5567	108	8.24	-2.20	-1.90	1.18e-05	0.0	-4.43e-04
5567	129	-1.73	-11.49	-3.70	1.43e-04	0.0	-3.56e-04
5567	140	9.23	-2.43	-1.92	5.92e-06	0.0	-4.97e-04
5567	161	-1.98	-12.89	-3.95	1.53e-04	1.10e-06	-4.00e-04
5567	172	8.81	-2.37	-1.91	7.24e-06	0.0	-4.91e-04
5567	193	-2.00	-12.83	-3.93	1.52e-04	1.06e-06	-3.99e-04
5567	204	10.05	-2.70	-1.94	-1.17e-06	0.0	-5.71e-04
5567	225	-2.37	-14.98	-4.31	1.67e-04	1.23e-06	-4.70e-04
5568	19	0.19	3.91	-0.91	1.71e-03	0.0	-1.28e-03
5568	28	0.55	-2.27	-2.83	-3.80e-04	0.0	3.60e-04
5568	72	0.20	2.52	-1.06	1.16e-03	0.0	-8.57e-04
5568	80	0.38	-1.54	-2.02	-2.49e-04	0.0	2.39e-04
5568	98	0.31	-0.36	-1.66	5.84e-05	0.0	-1.41e-05
5568	105	0.30	-0.71	-1.64	-4.95e-05	0.0	7.14e-05
5568	107	0.30	-0.34	-1.60	5.63e-05	0.0	-1.37e-05
5568	108	8.24	-2.49	-1.84	-2.77e-05	0.0	-5.19e-04
5568	129	-1.72	-11.54	-3.65	2.10e-04	0.0	7.12e-05
5568	140	9.23	-2.77	-1.87	-3.81e-05	0.0	-5.83e-04
5568	161	-1.97	-12.95	-3.90	2.29e-04	0.0	8.08e-05
5568	172	8.81	-2.69	-1.85	-3.39e-05	0.0	-5.75e-04
5568	193	-1.99	-12.90	-3.88	2.28e-04	0.0	6.90e-05
5568	204	10.05	-3.08	-1.89	-4.71e-05	0.0	-6.70e-04
5568	225	-2.36	-15.06	-4.27	2.56e-04	0.0	7.50e-05
5569	4	0.05	0.49	-3.35	-7.55e-04	-9.92e-05	-3.23e-06
5569	45	0.01	-0.82	-1.14	-2.05e-04	-6.90e-05	-1.11e-06
5569	52	0.06	3.99e-03	-3.19	-6.89e-04	-1.00e-04	-3.67e-06
5569	68	0.04	0.32	-2.38	-5.38e-04	-7.48e-05	-2.33e-06
5569	85	0.02	-0.55	-1.30	-2.57e-04	-6.92e-05	-1.35e-06
5569	92	0.04	2.71e-03	-2.28	-4.94e-04	-7.56e-05	-2.62e-06
5569	98	0.03	1.89e-03	-1.98	-4.31e-04	-7.20e-05	-2.26e-06
5569	103	0.03	0.11	-1.94	-4.32e-04	-7.11e-05	-2.08e-06
5569	107	0.03	1.76e-03	-1.91	-4.17e-04	-7.14e-05	-2.18e-06
5569	112	8.91	0.99	-2.45	-5.76e-04	-4.44e-04	-3.60e-04
5569	124	-0.24	4.20	-3.51	-1.06e-03	-5.89e-05	2.04e-05
5569	130	-4.97	4.37	-3.47	-1.08e-03	1.43e-04	2.16e-04
5569	144	10.04	1.11	-2.51	-5.96e-04	-4.91e-04	-4.05e-04
5569	156	-0.28	4.72	-3.71	-1.14e-03	-5.68e-05	2.36e-05
5569	162	-5.63	4.91	-3.66	-1.16e-03	1.71e-04	2.44e-04
5569	176	10.11	1.09	-2.50	-5.94e-04	-4.93e-04	-4.03e-04
5569	188	-0.33	4.65	-3.68	-1.13e-03	-5.43e-05	2.55e-05
5569	194	-5.80	4.85	-3.63	-1.15e-03	1.77e-04	2.48e-04

5569	216	12.20	1.22	-2.57	-6.18e-04	-5.92e-04	-5.11e-04
5569	220	-0.43	5.41	-3.96	-1.25e-03	-4.91e-05	3.24e-05
5569	226	-6.97	5.64	-3.91	-1.27e-03	2.27e-04	2.97e-04
5570	4	0.05	0.90	-3.35	-7.72e-04	0.0	-1.60e-04
5570	44	0.04	-2.24	-2.59	2.67e-03	0.0	5.59e-04
5570	52	0.05	-0.03	-3.19	5.67e-05	0.0	5.46e-06
5570	68	0.03	0.60	-2.38	-5.12e-04	0.0	-1.07e-04
5570	88	0.03	-1.49	-1.88	1.78e-03	0.0	3.73e-04
5570	92	0.04	-0.02	-2.28	4.00e-05	0.0	3.68e-06
5570	98	0.03	-0.02	-1.98	3.33e-05	0.0	2.85e-06
5570	105	0.03	-0.31	-1.87	3.82e-04	0.0	7.66e-05
5570	107	0.03	-0.02	-1.91	3.19e-05	0.0	2.61e-06
5570	112	9.05	1.09	-2.45	-1.91e-04	0.0	-4.16e-04
5570	124	-0.25	4.73	-3.51	-1.02e-03	0.0	2.51e-05
5570	129	5.11	-4.96	-0.35	1.14e-03	0.0	-2.48e-04
5570	144	10.20	1.23	-2.51	-2.19e-04	0.0	-4.69e-04
5570	156	-0.29	5.33	-3.71	-1.15e-03	0.0	2.84e-05
5570	161	5.78	-5.58	-0.15	1.28e-03	0.0	-2.80e-04
5570	176	10.28	1.20	-2.49	-2.14e-04	0.0	-4.67e-04
5570	188	-0.34	5.25	-3.67	-1.14e-03	0.0	2.95e-05
5570	193	5.95	-5.51	-0.18	1.27e-03	0.0	-2.84e-04
5570	216	12.39	1.34	-2.57	-2.37e-04	0.0	-5.95e-04
5570	220	-0.44	6.11	-3.96	-1.33e-03	0.0	3.62e-05
5570	225	7.14	-6.41	0.10	1.47e-03	0.0	-3.40e-04
5571	4	0.05	0.48	-3.26	-7.55e-04	-1.31e-04	-3.23e-06
5571	45	0.01	-0.82	-1.08	-2.05e-04	-9.46e-05	-1.12e-06
5571	52	0.06	1.79e-03	-3.10	-6.88e-04	-1.33e-04	-3.68e-06
5571	68	0.04	0.32	-2.32	-5.38e-04	-9.96e-05	-2.33e-06
5571	85	0.02	-0.55	-1.24	-2.56e-04	-9.46e-05	-1.36e-06
5571	92	0.04	1.13e-03	-2.21	-4.93e-04	-1.01e-04	-2.63e-06
5571	98	0.03	5.33e-04	-1.92	-4.31e-04	-9.68e-05	-2.27e-06
5571	104	0.02	-0.11	-1.38	-3.16e-04	-9.37e-05	-1.63e-06
5571	107	0.03	4.54e-04	-1.85	-4.16e-04	-9.63e-05	-2.19e-06
5571	112	8.91	0.79	-2.02	-5.56e-04	-4.76e-04	-3.60e-04
5571	130	-4.97	4.45	-3.51	-1.09e-03	1.22e-04	2.16e-04
5571	144	10.04	0.89	-2.04	-5.73e-04	-5.24e-04	-4.05e-04
5571	162	-5.63	5.00	-3.72	-1.18e-03	1.50e-04	2.44e-04
5571	176	10.11	0.87	-2.04	-5.72e-04	-5.26e-04	-4.03e-04
5571	194	-5.80	4.94	-3.70	-1.17e-03	1.57e-04	2.48e-04
5571	216	12.20	0.93	-2.03	-5.90e-04	-6.27e-04	-5.11e-04
5571	226	-6.97	5.75	-4.01	-1.29e-03	2.08e-04	2.97e-04
5572	4	0.05	0.80	-3.26	-6.05e-04	0.0	-1.70e-04
5572	44	0.04	-1.91	-2.51	2.07e-03	0.0	5.92e-04
5572	52	0.05	-0.02	-3.10	4.63e-05	0.0	5.57e-06
5572	68	0.03	0.53	-2.32	-4.01e-04	0.0	-1.13e-04
5572	88	0.02	-1.27	-1.82	1.38e-03	0.0	3.95e-04
5572	92	0.04	-0.02	-2.21	3.29e-05	0.0	3.76e-06
5572	98	0.03	-0.01	-1.92	2.75e-05	0.0	2.91e-06
5572	105	0.03	-0.27	-1.81	2.97e-04	0.0	8.11e-05
5572	107	0.03	-0.01	-1.85	2.65e-05	0.0	2.67e-06
5572	112	9.05	0.86	-2.02	-1.26e-04	0.0	-4.16e-04
5572	129	5.11	-5.04	-0.18	1.13e-03	0.0	-2.47e-04
5572	130	-5.06	5.01	-3.51	-1.08e-03	0.0	2.53e-04
5572	144	10.20	0.96	-2.04	-1.45e-04	0.0	-4.70e-04
5572	161	5.78	-5.67	0.03	1.27e-03	0.0	-2.80e-04
5572	162	-5.73	5.64	-3.72	-1.22e-03	0.0	2.85e-04
5572	176	10.28	0.94	-2.04	-1.40e-04	0.0	-4.68e-04
5572	193	5.95	-5.60	7.02e-03	1.26e-03	0.0	-2.83e-04
5572	194	-5.90	5.57	-3.70	-1.21e-03	0.0	2.88e-04
5572	216	12.39	1.01	-2.03	-1.40e-04	0.0	-5.96e-04
5572	225	7.14	-6.52	0.32	1.46e-03	0.0	-3.38e-04
5572	226	-7.09	6.49	-4.01	-1.41e-03	0.0	3.44e-04
5573	4	0.05	0.48	-3.16	-7.54e-04	-1.34e-04	-3.25e-06
5573	41	0.02	-0.82	-1.55	-3.31e-04	-1.34e-04	-1.87e-06
5573	52	0.06	-4.21e-04	-3.00	-6.87e-04	-1.35e-04	-3.72e-06
5573	68	0.04	0.32	-2.24	-5.37e-04	-1.02e-04	-2.35e-06
5573	85	0.02	-0.55	-1.17	-2.56e-04	-1.02e-04	-1.43e-06
5573	92	0.04	-4.47e-04	-2.13	-4.93e-04	-1.03e-04	-2.66e-06
5573	98	0.03	-8.30e-04	-1.84	-4.30e-04	-1.01e-04	-2.29e-06
5573	104	0.02	-0.11	-1.31	-3.15e-04	-1.01e-04	-1.66e-06
5573	106	0.02	-1.04e-03	-1.35	-3.30e-04	-1.01e-04	-1.71e-06
5573	107	0.03	-8.60e-04	-1.77	-4.16e-04	-1.01e-04	-2.21e-06
5573	112	8.91	0.59	-1.71	-5.36e-04	-3.60e-04	-3.60e-04
5573	129	5.04	-4.53	-0.03	2.72e-04	-2.56e-04	-2.20e-04
5573	130	-4.97	4.53	-3.52	-1.10e-03	5.29e-05	2.16e-04

5573	144	10.04	0.66	-1.70	-5.51e-04	-3.97e-04	-4.05e-04
5573	161	5.70	-5.09	0.19	3.58e-04	-2.76e-04	-2.49e-04
5573	162	-5.63	5.09	-3.74	-1.19e-03	7.31e-05	2.44e-04
5573	176	10.11	0.65	-1.69	-5.50e-04	-3.97e-04	-4.03e-04
5573	193	5.86	-5.04	0.18	3.47e-04	-2.80e-04	-2.52e-04
5573	194	-5.80	5.04	-3.72	-1.18e-03	7.72e-05	2.48e-04
5573	216	12.20	0.65	-1.61	-5.62e-04	-4.72e-04	-5.11e-04
5573	225	7.03	-5.87	0.51	4.72e-04	-3.16e-04	-3.01e-04
5573	226	-6.97	5.87	-4.05	-1.30e-03	1.13e-04	2.97e-04
5574	4	0.05	0.69	-3.16	-4.03e-04	0.0	-1.88e-04
5574	44	0.03	-1.53	-2.41	1.36e-03	0.0	6.53e-04
5574	52	0.05	-0.02	-3.00	3.61e-05	0.0	6.06e-06
5574	68	0.03	0.46	-2.24	-2.67e-04	0.0	-1.25e-04
5574	88	0.02	-1.02	-1.74	9.06e-04	0.0	4.35e-04
5574	92	0.04	-0.01	-2.13	2.58e-05	0.0	4.09e-06
5574	98	0.03	-0.01	-1.84	2.18e-05	0.0	3.18e-06
5574	105	0.03	-0.21	-1.74	1.97e-04	0.0	8.93e-05
5574	107	0.03	-0.01	-1.77	2.11e-05	0.0	2.92e-06
5574	112	9.05	0.62	-1.71	-5.86e-05	0.0	-4.21e-04
5574	129	5.11	-5.10	-0.03	1.09e-03	0.0	2.47e-05
5574	130	-5.06	5.08	-3.52	-1.05e-03	0.0	-1.89e-05
5574	144	10.20	0.70	-1.70	-6.81e-05	0.0	-4.75e-04
5574	161	5.78	-5.74	0.19	1.23e-03	0.0	2.72e-05
5574	162	-5.73	5.71	-3.74	-1.19e-03	0.0	-2.14e-05
5574	176	10.28	0.68	-1.69	-6.35e-05	0.0	-4.74e-04
5574	193	5.95	-5.67	0.18	1.22e-03	0.0	2.30e-05
5574	194	-5.90	5.65	-3.72	-1.17e-03	0.0	-1.71e-05
5574	216	12.39	0.67	-1.61	-4.04e-05	0.0	-6.03e-04
5574	225	7.14	-6.61	0.51	1.42e-03	0.0	2.32e-05
5574	226	-7.09	6.59	-4.05	-1.37e-03	0.0	-1.74e-05
5575	4	0.03	1.30	-3.35	-7.72e-04	0.0	-2.54e-04
5575	44	0.02	-3.64	-2.59	2.67e-03	0.0	9.05e-04
5575	52	0.04	-0.06	-3.19	5.67e-05	0.0	1.35e-05
5575	68	0.02	0.87	-2.39	-5.12e-04	0.0	-1.69e-04
5575	88	0.01	-2.43	-1.88	1.78e-03	0.0	6.04e-04
5575	92	0.03	-0.04	-2.28	4.00e-05	0.0	9.26e-06
5575	98	0.02	-0.03	-1.98	3.33e-05	0.0	7.37e-06
5575	105	0.02	-0.51	-1.87	3.82e-04	0.0	1.26e-04
5575	107	0.02	-0.03	-1.91	3.19e-05	0.0	6.86e-06
5575	112	9.10	1.19	-2.45	-1.91e-04	0.0	-4.69e-04
5575	124	-0.26	5.27	-3.51	-1.02e-03	0.0	3.23e-05
5575	129	5.13	-5.57	-0.31	1.14e-03	0.0	-2.78e-04
5575	144	10.26	1.34	-2.51	-2.18e-04	0.0	-5.30e-04
5575	156	-0.30	5.93	-3.71	-1.15e-03	0.0	3.60e-05
5575	161	5.81	-6.26	-0.11	1.28e-03	0.0	-3.15e-04
5575	176	10.34	1.31	-2.50	-2.14e-04	0.0	-5.28e-04
5575	188	-0.35	5.85	-3.68	-1.14e-03	0.0	3.71e-05
5575	193	5.98	-6.17	-0.14	1.27e-03	0.0	-3.19e-04
5575	216	12.45	1.47	-2.43	-2.37e-04	0.0	-6.74e-04
5575	220	-0.45	6.80	-3.96	-1.33e-03	0.0	4.45e-05
5575	225	7.17	-7.18	0.14	1.47e-03	0.0	-3.82e-04
5576	4	0.03	1.12	-3.26	-6.07e-04	0.0	-3.10e-04
5576	44	0.01	-3.00	-2.51	2.08e-03	0.0	1.09e-03
5576	52	0.03	-0.05	-3.10	4.63e-05	0.0	1.34e-05
5576	68	0.02	0.75	-2.32	-4.03e-04	0.0	-2.07e-04
5576	88	7.20e-03	-2.00	-1.82	1.39e-03	0.0	7.29e-04
5576	92	0.02	-0.03	-2.21	3.29e-05	0.0	9.17e-06
5576	98	0.01	-0.03	-1.92	2.75e-05	0.0	7.30e-06
5576	105	8.99e-03	-0.42	-1.81	2.98e-04	0.0	1.51e-04
5576	107	0.01	-0.03	-1.85	2.64e-05	0.0	6.80e-06
5576	112	9.10	0.92	-2.02	-1.26e-04	0.0	-4.70e-04
5576	129	5.14	-5.63	-0.18	1.13e-03	0.0	3.44e-05
5576	130	-5.12	5.58	-3.51	-1.08e-03	0.0	-2.08e-05
5576	144	10.26	1.04	-2.04	-1.44e-04	0.0	-5.31e-04
5576	161	5.81	-6.33	0.03	1.27e-03	0.0	3.75e-05
5576	162	-5.79	6.28	-3.72	-1.22e-03	0.0	-2.39e-05
5576	176	10.34	1.01	-2.04	-1.40e-04	0.0	-5.29e-04
5576	193	5.98	-6.26	6.97e-03	1.26e-03	0.0	3.20e-05
5576	194	-5.96	6.20	-3.70	-1.21e-03	0.0	-1.84e-05
5576	216	12.46	1.08	-2.03	-1.40e-04	0.0	-6.76e-04
5576	225	7.18	-7.29	0.32	1.46e-03	0.0	3.23e-05
5576	226	-7.16	7.23	-4.01	-1.41e-03	0.0	-1.87e-05
5577	4	0.03	0.90	-3.16	-4.03e-04	0.0	-3.60e-04
5577	44	0.01	-2.24	-2.41	1.36e-03	0.0	1.26e-03
5577	52	0.03	-0.04	-3.00	3.61e-05	0.0	1.30e-05

5577	68	0.02	0.60	-2.24	-2.67e-04	0.0	-2.40e-04
5577	88	8.07e-03	-1.49	-1.74	9.07e-04	0.0	8.39e-04
5577	92	0.02	-0.03	-2.13	2.58e-05	0.0	8.89e-06
5577	98	0.01	-0.02	-1.84	2.18e-05	0.0	7.08e-06
5577	105	0.01	-0.32	-1.74	1.98e-04	0.0	1.73e-04
5577	107	0.01	-0.02	-1.77	2.11e-05	0.0	6.59e-06
5577	112	9.15	0.65	-1.71	-5.78e-05	0.0	-4.67e-04
5577	129	5.16	-5.67	-0.03	1.09e-03	0.0	4.93e-05
5577	130	-5.14	5.63	-3.52	-1.05e-03	0.0	-3.61e-05
5577	144	10.31	0.73	-1.70	-6.72e-05	0.0	-5.28e-04
5577	161	5.84	-6.38	0.19	1.23e-03	0.0	5.41e-05
5577	162	-5.81	6.34	-3.73	-1.19e-03	0.0	-4.09e-05
5577	176	10.39	0.71	-1.69	-6.26e-05	0.0	-5.26e-04
5577	193	6.01	-6.31	0.18	1.22e-03	0.0	4.65e-05
5577	194	-5.99	6.27	-3.72	-1.17e-03	0.0	-3.33e-05
5577	216	12.51	0.69	-1.62	-3.92e-05	0.0	-6.72e-04
5577	225	7.21	-7.36	0.51	1.42e-03	0.0	4.80e-05
5577	226	-7.19	7.31	-4.05	-1.37e-03	0.0	-3.48e-05
5578	19	0.19	3.02	-0.81	1.11e-03	5.64e-06	-1.50e-03
5578	28	0.54	-2.02	-2.66	-2.04e-04	-1.63e-06	4.26e-04
5578	80	0.38	-1.37	-1.89	-1.32e-04	-1.09e-06	2.83e-04
5578	88	0.34	-1.95	-1.80	-2.69e-04	-1.84e-06	4.83e-04
5578	98	0.31	-0.36	-1.54	5.53e-05	0.0	-1.41e-05
5578	105	0.29	-0.66	-1.53	-1.22e-05	0.0	8.59e-05
5578	107	0.29	-0.35	-1.49	5.33e-05	0.0	-1.37e-05
5578	108	8.22	-2.78	-1.77	-1.21e-04	1.00e-05	-4.98e-04
5578	129	-1.71	-11.52	-3.57	3.45e-04	-1.46e-05	1.45e-04
5578	140	9.21	-3.09	-1.81	-1.42e-04	1.13e-05	-5.59e-04
5578	161	-1.97	-12.93	-3.84	3.81e-04	-1.64e-05	1.63e-04
5578	172	8.78	-3.01	-1.78	-1.35e-04	1.09e-05	-5.51e-04
5578	193	-1.98	-12.89	-3.81	3.78e-04	-1.62e-05	1.49e-04
5578	204	10.03	-3.45	-1.82	-1.63e-04	1.27e-05	-6.42e-04
5578	225	-2.35	-15.06	-4.21	4.32e-04	-1.89e-05	1.68e-04
5579	28	0.04	-0.51	-2.98	7.51e-04	-2.43e-04	-7.20e-06
5579	44	0.04	-0.82	-2.83	7.28e-04	-2.20e-04	-7.53e-06
5579	80	0.03	-0.34	-2.13	5.33e-04	-1.76e-04	-4.92e-06
5579	88	0.03	-0.55	-2.03	5.19e-04	-1.61e-04	-5.13e-06
5579	98	0.02	-0.02	-1.76	4.23e-04	-1.57e-04	-2.95e-06
5579	105	0.02	-0.13	-1.74	4.23e-04	-1.52e-04	-3.15e-06
5579	107	0.02	-0.02	-1.70	4.08e-04	-1.53e-04	-2.76e-06
5579	113	2.63	-4.04	-2.86	8.70e-04	-3.17e-04	-2.96e-04
5579	129	-0.65	-5.36	-3.68	1.17e-03	-1.08e-04	-2.24e-04
5579	145	2.95	-4.54	-3.00	9.29e-04	-3.37e-04	-3.33e-04
5579	161	-0.74	-6.04	-3.93	1.26e-03	-1.02e-04	-2.53e-04
5579	177	2.79	-4.49	-2.97	9.22e-04	-3.24e-04	-3.31e-04
5579	193	-0.75	-6.04	-3.91	1.26e-03	-1.01e-04	-2.57e-04
5579	209	3.18	-5.24	-3.17	1.01e-03	-3.47e-04	-3.87e-04
5579	225	-0.87	-7.09	-4.29	1.40e-03	-9.29e-05	-3.06e-04
5580	18	-0.02	2.16	-2.25	-2.63e-03	-2.25e-06	-5.02e-04
5580	19	-0.02	2.20	-0.99	-2.66e-03	-2.29e-06	-5.03e-04
5580	28	-0.01	-0.99	-2.98	9.06e-04	0.0	1.60e-04
5580	72	-0.01	1.46	-1.15	-1.76e-03	-1.51e-06	-3.34e-04
5580	75	-0.02	1.44	-1.64	-1.75e-03	-1.50e-06	-3.34e-04
5580	80	-9.37e-03	-0.66	-2.13	6.06e-04	0.0	1.07e-04
5580	98	-0.01	-0.04	-1.76	3.56e-05	0.0	3.35e-06
5580	102	-0.01	0.27	-1.30	-3.33e-04	0.0	-6.42e-05
5580	103	-0.01	0.26	-1.66	-3.23e-04	0.0	-6.42e-05
5580	107	-0.01	-0.04	-1.70	3.40e-05	0.0	3.34e-06
5580	114	-2.81	4.38	-0.54	3.08e-04	-3.82e-06	2.95e-04
5580	129	-0.73	-6.12	-3.68	1.46e-03	-2.13e-06	-2.29e-04
5580	146	-3.16	4.93	-0.40	3.42e-04	-4.31e-06	3.32e-04
5580	161	-0.82	-6.89	-3.93	1.64e-03	-2.41e-06	-2.59e-04
5580	178	-2.99	4.87	-0.43	3.24e-04	-3.99e-06	3.26e-04
5580	193	-0.83	-6.88	-3.91	1.63e-03	-2.45e-06	-2.60e-04
5580	210	-3.41	5.69	-0.23	3.65e-04	-4.50e-06	3.79e-04
5580	225	-0.97	-8.07	-4.29	1.89e-03	-2.88e-06	-3.09e-04
5581	28	0.04	-0.51	-2.81	7.28e-04	-2.68e-04	4.06e-06
5581	44	0.05	-0.82	-2.67	7.08e-04	-2.47e-04	8.92e-06
5581	80	0.03	-0.34	-2.00	5.17e-04	-1.96e-04	2.75e-06
5581	88	0.03	-0.55	-1.91	5.04e-04	-1.81e-04	5.99e-06
5581	98	0.02	-0.02	-1.65	4.09e-04	-1.79e-04	-1.02e-06
5581	105	0.02	-0.13	-1.63	4.10e-04	-1.74e-04	0.0
5581	107	0.02	-0.02	-1.59	3.95e-04	-1.74e-04	0.0
5581	113	2.63	-4.23	-2.80	8.76e-04	-3.22e-04	-2.88e-04
5581	129	-0.65	-5.44	-3.65	1.16e-03	-1.34e-04	-2.18e-04

5581	145	2.96	-4.76	-2.95	9.37e-04	-3.40e-04	-3.24e-04
5581	161	-0.73	-6.13	-3.90	1.26e-03	-1.29e-04	-2.46e-04
5581	177	2.79	-4.71	-2.90	9.30e-04	-3.28e-04	-3.22e-04
5581	193	-0.74	-6.13	-3.88	1.25e-03	-1.29e-04	-2.50e-04
5581	209	3.18	-5.50	-3.11	1.02e-03	-3.49e-04	-3.77e-04
5581	225	-0.87	-7.21	-4.27	1.40e-03	-1.21e-04	-2.98e-04
5582	18	6.90e-03	0.78	-0.68	0.0	1.60e-06	-4.55e-06
5582	28	0.01	-0.39	-0.81	0.0	3.91e-06	-6.08e-06
5582	52	0.02	0.07	-0.80	0.0	4.50e-06	-6.11e-06
5582	75	4.74e-03	0.52	-0.48	0.0	1.08e-06	-3.28e-06
5582	80	9.54e-03	-0.26	-0.57	0.0	2.62e-06	-4.30e-06
5582	92	0.01	0.05	-0.56	0.0	3.02e-06	-4.32e-06
5582	98	8.45e-03	0.04	-0.46	0.0	2.32e-06	-3.65e-06
5582	103	6.96e-03	0.13	-0.43	0.0	1.85e-06	-3.38e-06
5582	107	7.77e-03	0.04	-0.44	0.0	2.11e-06	-3.49e-06
5582	112	6.24	2.28	-0.43	-1.66e-06	1.94e-03	-3.27e-04
5582	136	3.54	4.17	-0.35	0.0	1.09e-03	-2.05e-04
5582	139	-3.53	-4.10	-0.52	0.0	-1.09e-03	1.98e-04
5582	144	7.03	2.57	-0.43	-1.86e-06	2.19e-03	-3.68e-04
5582	168	4.00	4.69	-0.34	0.0	1.24e-03	-2.31e-04
5582	171	-3.99	-4.62	-0.53	0.0	-1.23e-03	2.24e-04
5582	176	7.08	2.54	-0.43	-1.73e-06	2.20e-03	-3.67e-04
5582	200	4.12	4.66	-0.35	0.0	1.27e-03	-2.35e-04
5582	203	-4.10	-4.58	-0.53	0.0	-1.27e-03	2.28e-04
5582	208	8.35	2.97	-0.43	-2.02e-06	2.60e-03	-4.30e-04
5582	232	4.93	5.44	-0.33	0.0	1.52e-03	-2.81e-04
5582	235	-4.91	-5.36	-0.54	0.0	-1.52e-03	2.74e-04
5583	18	6.14e-03	0.71	-0.50	0.0	1.87e-06	-3.36e-06
5583	28	0.01	-0.34	-0.61	0.0	4.21e-06	-4.64e-06
5583	52	0.01	0.08	-0.60	0.0	4.82e-06	-4.62e-06
5583	75	4.22e-03	0.47	-0.35	0.0	1.27e-06	-2.43e-06
5583	80	8.35e-03	-0.23	-0.42	0.0	2.84e-06	-3.28e-06
5583	92	9.46e-03	0.05	-0.42	0.0	3.24e-06	-3.27e-06
5583	98	7.40e-03	0.04	-0.34	0.0	2.51e-06	-2.75e-06
5583	103	6.12e-03	0.13	-0.32	0.0	2.03e-06	-2.54e-06
5583	107	6.81e-03	0.04	-0.33	0.0	2.30e-06	-2.63e-06
5583	112	5.39	1.95	-0.32	-4.56e-06	1.98e-03	-2.32e-04
5583	136	3.07	3.55	-0.26	-2.69e-06	1.12e-03	-1.49e-04
5583	139	-3.05	-3.47	-0.39	2.68e-06	-1.11e-03	1.44e-04
5583	144	6.08	2.19	-0.32	-5.14e-06	2.23e-03	-2.61e-04
5583	168	3.47	3.99	-0.25	-3.05e-06	1.26e-03	-1.68e-04
5583	171	-3.45	-3.91	-0.40	3.03e-06	-1.26e-03	1.63e-04
5583	176	6.12	2.17	-0.32	-5.16e-06	2.24e-03	-2.59e-04
5583	200	3.56	3.96	-0.25	-3.13e-06	1.30e-03	-1.70e-04
5583	203	-3.55	-3.88	-0.40	3.12e-06	-1.29e-03	1.65e-04
5583	208	7.22	2.53	-0.32	-6.08e-06	2.65e-03	-3.03e-04
5583	232	4.27	4.62	-0.24	-3.75e-06	1.55e-03	-2.03e-04
5583	235	-4.25	-4.54	-0.41	3.74e-06	-1.55e-03	1.98e-04
5584	18	5.27e-03	0.61	-0.39	0.0	2.10e-06	-2.42e-06
5584	28	0.01	-0.30	-0.47	0.0	4.47e-06	-3.44e-06
5584	52	0.01	0.08	-0.46	0.0	5.10e-06	-3.39e-06
5584	75	3.63e-03	0.41	-0.27	0.0	1.44e-06	-1.75e-06
5584	80	7.08e-03	-0.20	-0.33	0.0	3.02e-06	-2.43e-06
5584	92	8.01e-03	0.05	-0.32	0.0	3.44e-06	-2.40e-06
5584	98	6.28e-03	0.04	-0.27	0.0	2.68e-06	-2.02e-06
5584	103	5.20e-03	0.11	-0.25	0.0	2.19e-06	-1.86e-06
5584	107	5.78e-03	0.04	-0.25	0.0	2.45e-06	-1.94e-06
5584	112	4.53	1.61	-0.25	-4.30e-06	2.03e-03	-1.57e-04
5584	136	2.58	2.93	-0.20	-2.58e-06	1.15e-03	-1.05e-04
5584	139	-2.57	-2.85	-0.30	2.57e-06	-1.14e-03	1.01e-04
5584	144	5.10	1.81	-0.25	-4.85e-06	2.28e-03	-1.77e-04
5584	168	2.91	3.29	-0.20	-2.92e-06	1.30e-03	-1.19e-04
5584	171	-2.90	-3.21	-0.31	2.91e-06	-1.29e-03	1.15e-04
5584	176	5.14	1.79	-0.25	-4.86e-06	2.30e-03	-1.74e-04
5584	200	2.99	3.27	-0.20	-3.00e-06	1.33e-03	-1.19e-04
5584	203	-2.98	-3.18	-0.31	2.99e-06	-1.33e-03	1.15e-04
5584	208	6.06	2.09	-0.24	-5.72e-06	2.71e-03	-2.03e-04
5584	232	3.59	3.81	-0.19	-3.59e-06	1.60e-03	-1.41e-04
5584	235	-3.58	-3.73	-0.32	3.58e-06	-1.59e-03	1.37e-04
5585	18	4.10e-03	0.48	-0.28	0.0	2.34e-06	-1.56e-06
5585	28	8.02e-03	-0.23	-0.34	0.0	4.76e-06	-2.30e-06
5585	52	9.08e-03	0.07	-0.33	0.0	5.41e-06	-2.23e-06
5585	75	2.83e-03	0.32	-0.20	0.0	1.61e-06	-1.13e-06
5585	80	5.44e-03	-0.15	-0.24	0.0	3.22e-06	-1.62e-06
5585	92	6.15e-03	0.05	-0.23	0.0	3.66e-06	-1.58e-06

5585	98	4.82e-03	0.04	-0.19	0.0	2.86e-06	-1.33e-06
5585	103	4.01e-03	0.09	-0.18	0.0	2.36e-06	-1.22e-06
5585	107	4.44e-03	0.04	-0.18	0.0	2.63e-06	-1.27e-06
5585	112	3.45	1.20	-0.18	-3.70e-06	2.10e-03	6.71e-05
5585	136	1.96	2.18	-0.15	-2.31e-06	1.19e-03	-6.57e-05
5585	139	-1.95	-2.10	-0.22	2.30e-06	-1.19e-03	6.31e-05
5585	144	3.89	1.35	-0.18	-4.17e-06	2.36e-03	7.57e-05
5585	168	2.22	2.45	-0.15	-2.61e-06	1.35e-03	-7.38e-05
5585	171	-2.21	-2.37	-0.22	2.60e-06	-1.34e-03	7.13e-05
5585	176	3.91	1.34	-0.18	-4.16e-06	2.38e-03	7.25e-05
5585	200	2.28	2.43	-0.15	-2.65e-06	1.38e-03	-7.29e-05
5585	203	-2.27	-2.35	-0.22	2.64e-06	-1.38e-03	7.03e-05
5585	216	4.62	1.62	-0.16	-5.46e-06	2.80e-03	-1.34e-04
5585	232	2.73	2.83	-0.14	-3.18e-06	1.66e-03	-8.58e-05
5585	235	-2.72	-2.76	-0.22	3.17e-06	-1.65e-03	8.32e-05
5586	28	5.45e-03	-0.16	-0.22	0.0	5.00e-06	-1.40e-06
5586	45	8.01e-05	-0.34	-0.08	0.0	0.0	0.0
5586	52	6.16e-03	0.05	-0.22	0.0	5.67e-06	-1.34e-06
5586	75	1.94e-03	0.23	-0.13	0.0	1.75e-06	0.0
5586	80	3.69e-03	-0.10	-0.16	0.0	3.39e-06	0.0
5586	92	4.17e-03	0.04	-0.15	0.0	3.84e-06	0.0
5586	98	3.28e-03	0.03	-0.13	0.0	3.01e-06	0.0
5586	103	2.73e-03	0.07	-0.12	0.0	2.49e-06	0.0
5586	107	3.02e-03	0.03	-0.12	0.0	2.77e-06	0.0
5586	112	2.33	0.79	-0.12	1.85e-06	2.16e-03	3.61e-05
5586	133	-0.10	-1.15	-0.14	1.54e-06	-8.81e-05	3.57e-05
5586	136	1.33	1.43	-0.10	-1.62e-06	1.23e-03	-9.50e-06
5586	144	2.62	0.89	-0.12	2.08e-06	2.44e-03	4.07e-05
5586	165	-0.11	-1.30	-0.14	1.74e-06	-1.01e-04	4.02e-05
5586	168	1.50	1.61	-0.10	-1.83e-06	1.39e-03	-1.06e-05
5586	176	2.64	0.88	-0.12	2.03e-06	2.45e-03	3.79e-05
5586	197	-0.12	-1.28	-0.14	1.72e-06	-1.11e-04	3.86e-05
5586	200	1.54	1.60	-0.10	-1.83e-06	1.43e-03	-1.06e-05
5586	216	3.12	1.07	-0.12	-3.58e-06	2.90e-03	5.17e-05
5586	229	-0.15	-1.50	-0.14	2.02e-06	-1.39e-04	4.48e-05
5586	232	1.85	1.86	-0.10	-2.17e-06	1.71e-03	-1.21e-05
5587	28	2.75e-03	-0.08	-0.11	0.0	5.17e-06	0.0
5587	45	4.73e-05	-0.17	-0.04	0.0	0.0	0.0
5587	52	3.11e-03	0.03	-0.11	0.0	5.85e-06	0.0
5587	75	9.86e-04	0.12	-0.06	0.0	1.83e-06	0.0
5587	80	1.87e-03	-0.05	-0.08	0.0	3.51e-06	0.0
5587	92	2.11e-03	0.02	-0.08	0.0	3.96e-06	0.0
5587	98	1.66e-03	0.02	-0.06	0.0	3.11e-06	0.0
5587	103	1.38e-03	0.04	-0.06	0.0	2.59e-06	0.0
5587	107	1.53e-03	0.02	-0.06	0.0	2.86e-06	0.0
5587	112	1.17	0.39	-0.06	1.25e-06	2.21e-03	1.61e-05
5587	133	-0.05	-0.56	-0.07	1.20e-06	-9.09e-05	1.68e-05
5587	136	0.67	0.70	-0.05	0.0	1.26e-03	-5.24e-06
5587	144	1.32	0.44	-0.06	1.41e-06	2.49e-03	1.81e-05
5587	165	-0.06	-0.63	-0.07	1.35e-06	-1.05e-04	1.89e-05
5587	168	0.76	0.79	-0.05	0.0	1.42e-03	-5.89e-06
5587	176	1.33	0.43	-0.06	1.32e-06	2.51e-03	1.65e-05
5587	197	-0.06	-0.63	-0.07	1.30e-06	-1.15e-04	1.80e-05
5587	200	0.78	0.78	-0.05	0.0	1.46e-03	-5.95e-06
5587	216	1.57	0.52	-0.06	1.84e-06	2.96e-03	2.10e-05
5587	229	-0.08	-0.73	-0.07	1.51e-06	-1.43e-04	2.08e-05
5587	232	0.93	0.91	-0.05	0.0	1.75e-03	-6.84e-06
5588	1	0.0	0.0	0.0	0.0	0.0	0.0
5588	65	0.0	0.0	0.0	0.0	0.0	0.0
5588	97	0.0	0.0	0.0	0.0	1.42e-06	0.0
5588	106	0.0	0.0	0.0	0.0	1.42e-06	0.0
5588	108	0.0	0.0	0.0	1.53e-06	1.81e-03	1.37e-06
5588	140	0.0	0.0	0.0	1.72e-06	2.04e-03	1.54e-06
5588	172	0.0	0.0	0.0	1.61e-06	2.05e-03	1.43e-06
5588	204	0.0	0.0	0.0	1.84e-06	2.42e-03	1.63e-06
5589	28	0.02	-0.45	-1.12	0.0	5.33e-06	-5.43e-06
5589	45	1.06e-03	-0.77	-0.40	0.0	0.0	-1.70e-06
5589	52	0.02	0.01	-1.09	0.0	6.06e-06	-5.72e-06
5589	80	0.01	-0.30	-0.78	0.0	3.65e-06	-3.84e-06
5589	85	2.81e-03	-0.51	-0.42	0.0	0.0	-1.99e-06
5589	92	0.01	8.87e-03	-0.76	0.0	4.14e-06	-4.03e-06
5589	98	0.01	5.91e-03	-0.62	0.0	3.29e-06	-3.38e-06
5589	103	8.86e-03	0.10	-0.58	0.0	2.82e-06	-3.16e-06
5589	107	9.61e-03	5.27e-03	-0.59	0.0	3.05e-06	-3.23e-06
5589	112	6.23	7.92e-03	-0.61	0.0	1.94e-03	-3.29e-04

5589	130	-3.48	4.18	-0.36	0.0	-1.07e-03	1.98e-04
5589	133	-0.25	-3.95	-0.82	0.0	-7.18e-05	1.80e-05
5589	144	7.02	5.73e-03	-0.61	0.0	2.18e-03	-3.70e-04
5589	162	-3.93	4.71	-0.33	0.0	-1.21e-03	2.24e-04
5589	165	-0.28	-4.44	-0.85	0.0	-8.31e-05	2.11e-05
5589	176	7.07	-9.56e-03	-0.61	0.0	2.20e-03	-3.69e-04
5589	194	-4.04	4.67	-0.33	0.0	-1.25e-03	2.28e-04
5589	201	-0.37	-4.38	-0.85	0.0	-1.14e-04	1.34e-05
5589	208	8.35	-0.03	-0.62	0.0	2.59e-03	-4.34e-04
5589	226	-4.85	5.45	-0.28	0.0	-1.50e-03	2.74e-04
5589	233	-0.40	-5.10	-0.89	0.0	-1.23e-04	1.48e-05
5590	28	0.01	-0.42	-0.91	0.0	5.43e-06	-4.58e-06
5590	41	3.28e-03	-0.72	-0.48	0.0	1.15e-06	-2.24e-06
5590	52	0.02	6.03e-03	-0.89	0.0	6.15e-06	-4.85e-06
5590	80	9.98e-03	-0.28	-0.64	0.0	3.72e-06	-3.24e-06
5590	85	2.45e-03	-0.48	-0.35	0.0	0.0	-1.68e-06
5590	92	0.01	3.51e-03	-0.62	0.0	4.20e-06	-3.42e-06
5590	98	8.92e-03	1.09e-03	-0.51	0.0	3.35e-06	-2.88e-06
5590	104	4.06e-03	-0.10	-0.32	0.0	1.50e-06	-1.92e-06
5590	106	4.46e-03	-2.30e-03	-0.32	0.0	1.66e-06	-1.98e-06
5590	107	8.28e-03	6.08e-04	-0.48	0.0	3.11e-06	-2.75e-06
5590	112	5.39	1.91e-03	-0.50	0.0	1.97e-03	-2.33e-04
5590	130	-3.01	3.57	-0.27	0.0	-1.09e-03	1.44e-04
5590	133	-0.22	-3.38	-0.69	0.0	-7.46e-05	1.58e-05
5590	144	6.08	-7.80e-05	-0.50	0.0	2.22e-03	-2.63e-04
5590	162	-3.40	4.02	-0.24	0.0	-1.24e-03	1.63e-04
5590	165	-0.25	-3.80	-0.72	0.0	-8.62e-05	1.85e-05
5590	176	6.12	-0.01	-0.50	0.0	2.24e-03	-2.61e-04
5590	194	-3.50	3.99	-0.24	0.0	-1.27e-03	1.65e-04
5590	201	-0.32	-3.75	-0.72	0.0	-1.16e-04	1.16e-05
5590	208	7.22	-0.03	-0.51	0.0	2.64e-03	-3.05e-04
5590	226	-4.19	4.66	-0.20	0.0	-1.53e-03	1.98e-04
5590	233	-0.34	-4.36	-0.76	0.0	-1.25e-04	1.31e-05
5591	28	0.01	-0.38	-0.77	0.0	5.54e-06	-3.69e-06
5591	41	2.77e-03	-0.64	-0.41	0.0	1.21e-06	-1.80e-06
5591	52	0.01	-2.22e-03	-0.75	0.0	6.25e-06	-3.93e-06
5591	80	8.36e-03	-0.26	-0.54	0.0	3.79e-06	-2.62e-06
5591	85	2.07e-03	-0.43	-0.30	0.0	0.0	-1.36e-06
5591	92	9.36e-03	-2.28e-03	-0.52	0.0	4.27e-06	-2.78e-06
5591	98	7.46e-03	-3.77e-03	-0.43	0.0	3.40e-06	-2.34e-06
5591	104	3.40e-03	-0.09	-0.27	0.0	1.54e-06	-1.57e-06
5591	106	3.74e-03	-5.56e-03	-0.27	0.0	1.70e-06	-1.62e-06
5591	107	6.93e-03	-4.03e-03	-0.40	0.0	3.16e-06	-2.24e-06
5591	112	4.53	-3.80e-03	-0.42	0.0	2.02e-03	-1.58e-04
5591	129	2.54	-2.96	-0.60	0.0	1.13e-03	-1.06e-04
5591	133	-0.18	-2.80	-0.60	0.0	-7.82e-05	1.43e-05
5591	144	5.10	-5.56e-03	-0.42	0.0	2.28e-03	-1.78e-04
5591	161	2.88	-3.33	-0.62	0.0	1.28e-03	-1.19e-04
5591	165	-0.21	-3.15	-0.62	0.0	-9.03e-05	1.66e-05
5591	176	5.14	-0.02	-0.42	0.0	2.29e-03	-1.75e-04
5591	193	2.96	-3.31	-0.62	0.0	1.31e-03	-1.19e-04
5591	201	-0.27	-3.11	-0.62	0.0	-1.19e-04	1.10e-05
5591	216	6.06	-0.13	-0.43	0.0	2.70e-03	-2.34e-04
5591	225	3.54	-3.86	-0.65	0.0	1.58e-03	-1.41e-04
5591	233	-0.29	-3.62	-0.65	0.0	-1.28e-04	1.25e-05
5592	28	9.26e-03	-0.32	-0.63	0.0	5.69e-06	-2.66e-06
5592	43	6.35e-03	-0.53	-0.53	0.0	3.88e-06	-2.07e-06
5592	52	0.01	-9.89e-03	-0.60	0.0	6.40e-06	-2.85e-06
5592	80	6.35e-03	-0.21	-0.44	0.0	3.89e-06	-1.89e-06
5592	87	4.41e-03	-0.35	-0.37	0.0	2.69e-06	-1.49e-06
5592	92	7.10e-03	-7.57e-03	-0.42	0.0	4.37e-06	-2.02e-06
5592	98	5.66e-03	-7.98e-03	-0.35	0.0	3.48e-06	-1.71e-06
5592	105	5.01e-03	-0.08	-0.33	0.0	3.08e-06	-1.59e-06
5592	107	5.26e-03	-7.98e-03	-0.33	0.0	3.24e-06	-1.63e-06
5592	112	3.45	-8.65e-03	-0.34	0.0	2.09e-03	6.57e-05
5592	129	1.94	-2.22	-0.49	0.0	1.17e-03	-6.60e-05
5592	133	-0.14	-2.10	-0.49	0.0	-8.29e-05	5.98e-05
5592	144	3.89	-0.01	-0.34	0.0	2.36e-03	7.41e-05
5592	161	2.19	-2.50	-0.51	0.0	1.33e-03	-7.41e-05
5592	165	-0.16	-2.37	-0.51	0.0	-9.57e-05	6.76e-05
5592	176	3.92	-0.02	-0.34	0.0	2.37e-03	7.10e-05
5592	193	2.25	-2.48	-0.51	0.0	1.36e-03	-7.30e-05
5592	201	-0.20	-2.34	-0.51	0.0	-1.23e-04	1.09e-05
5592	216	4.62	-0.10	-0.35	0.0	2.80e-03	-1.34e-04
5592	225	2.70	-2.90	-0.54	0.0	1.63e-03	-8.58e-05

5593	28	6.24e-03	-0.23	-0.47	0.0	5.83e-06	-1.72e-06
5593	43	4.29e-03	-0.38	-0.40	0.0	4.00e-06	-1.33e-06
5593	52	7.00e-03	-0.01	-0.45	0.0	6.55e-06	-1.85e-06
5593	80	4.28e-03	-0.16	-0.33	0.0	3.99e-06	-1.22e-06
5593	87	2.97e-03	-0.25	-0.28	0.0	2.77e-06	0.0
5593	92	4.78e-03	-9.77e-03	-0.32	0.0	4.47e-06	-1.31e-06
5593	98	3.81e-03	-9.40e-03	-0.26	0.0	3.57e-06	-1.11e-06
5593	105	3.37e-03	-0.06	-0.25	0.0	3.15e-06	-1.03e-06
5593	107	3.54e-03	-9.23e-03	-0.25	0.0	3.31e-06	-1.06e-06
5593	112	2.33	-0.01	-0.25	0.0	2.16e-03	3.39e-05
5593	129	1.31	-1.48	-0.37	0.0	1.21e-03	-1.07e-05
5593	133	-0.10	-1.40	-0.37	0.0	-8.71e-05	3.52e-05
5593	144	2.63	-0.01	-0.26	0.0	2.43e-03	3.82e-05
5593	161	1.48	-1.67	-0.38	0.0	1.37e-03	-1.20e-05
5593	165	-0.11	-1.58	-0.39	0.0	-1.00e-04	3.97e-05
5593	176	2.65	-0.02	-0.26	0.0	2.45e-03	3.52e-05
5593	193	1.52	-1.66	-0.38	0.0	1.41e-03	-1.20e-05
5593	201	-0.14	-1.56	-0.38	0.0	-1.28e-04	3.96e-05
5593	216	3.13	-0.07	-0.26	0.0	2.89e-03	4.77e-05
5593	225	1.82	-1.93	-0.41	0.0	1.69e-03	-1.36e-05
5594	28	3.14e-03	-0.13	-0.28	0.0	5.94e-06	0.0
5594	44	2.28e-03	-0.20	-0.25	0.0	4.30e-06	0.0
5594	52	3.52e-03	-0.01	-0.27	0.0	6.66e-06	0.0
5594	80	2.15e-03	-0.08	-0.20	0.0	4.07e-06	0.0
5594	88	1.58e-03	-0.13	-0.18	0.0	2.97e-06	0.0
5594	92	2.41e-03	-7.74e-03	-0.19	0.0	4.55e-06	0.0
5594	98	1.92e-03	-7.14e-03	-0.15	0.0	3.63e-06	0.0
5594	105	1.70e-03	-0.03	-0.15	0.0	3.21e-06	0.0
5594	107	1.78e-03	-6.95e-03	-0.15	0.0	3.37e-06	0.0
5594	112	1.18	-7.86e-03	-0.15	0.0	2.21e-03	1.64e-05
5594	129	0.66	-0.74	-0.22	0.0	1.24e-03	-7.01e-06
5594	133	-0.05	-0.70	-0.22	0.0	-9.04e-05	1.81e-05
5594	144	1.33	-8.42e-03	-0.15	0.0	2.50e-03	1.84e-05
5594	161	0.75	-0.84	-0.23	0.0	1.41e-03	-7.88e-06
5594	165	-0.06	-0.79	-0.23	0.0	-1.04e-04	2.04e-05
5594	176	1.34	-0.01	-0.15	0.0	2.51e-03	1.64e-05
5594	193	0.77	-0.83	-0.23	0.0	1.45e-03	-8.19e-06
5594	216	1.58	-0.04	-0.15	0.0	2.97e-03	1.65e-05
5594	225	0.92	-0.97	-0.24	0.0	1.73e-03	-9.53e-06

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	-13.51	-16.38	-4.76	-3.00e-03	-2.91e-03	-1.50e-03
	19.61	15.69	2.01	3.32e-03	3.58e-03	1.98e-03

Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
1	1	-0.08	-0.59	-39.71	0.0	0.0	0.0
1	19	-0.06	0.57	-22.89	0.0	0.0	0.0
1	28	-0.15	-4.21	-92.07	0.0	0.0	0.0
1	65	-0.06	-0.49	-29.27	0.0	0.0	0.0
1	72	-0.06	-0.06	-27.42	0.0	0.0	0.0
1	80	-0.10	-2.91	-64.18	0.0	0.0	0.0
1	97	-0.05	-1.15	-32.05	0.0	0.0	0.0
1	98	-0.08	-1.85	-50.74	0.0	0.0	0.0
1	102	-0.05	-0.93	-31.12	0.0	0.0	0.0
1	106	-0.05	-1.15	-32.05	0.0	0.0	0.0
1	107	-0.08	-1.75	-48.07	0.0	0.0	0.0
1	108	14.34	3.46	-49.78	0.0	0.0	0.0
1	133	-1.20	-10.08	-89.50	0.0	0.0	0.0
1	134	1.04	6.58	-6.63	0.0	0.0	0.0
1	140	16.17	4.12	-49.99	0.0	0.0	0.0
1	165	-1.34	-11.13	-94.66	0.0	0.0	0.0
1	166	1.18	7.62	-1.47	0.0	0.0	0.0
1	172	16.17	4.04	-49.35	0.0	0.0	0.0
1	197	-1.36	-11.02	-93.74	0.0	0.0	0.0
1	198	1.20	7.52	-2.39	0.0	0.0	0.0
1	204	19.03	5.01	-49.22	0.0	0.0	0.0
1	229	-1.60	-12.55	-101.09	0.0	0.0	0.0
1	230	1.44	9.04	4.96	0.0	0.0	0.0
4	1	-0.09	-0.05	-29.60	0.0	0.0	0.0
4	4	-0.19	-0.09	-56.74	0.0	0.0	0.0
4	45	-0.08	-0.02	-19.69	0.0	0.0	0.0
4	65	-0.07	-0.04	-21.67	0.0	0.0	0.0
4	68	-0.13	-0.06	-39.77	0.0	0.0	0.0

4	85	-0.08	-0.03	-21.22	0.0	0.0	0.0
4	97	-0.07	-0.03	-21.49	0.0	0.0	0.0
4	98	-0.11	-0.05	-32.87	0.0	0.0	0.0
4	104	-0.07	-0.03	-21.44	0.0	0.0	0.0
4	106	-0.07	-0.03	-21.49	0.0	0.0	0.0
4	107	-0.10	-0.05	-31.25	0.0	0.0	0.0
4	108	16.74	-0.05	-36.57	0.0	0.0	0.0
4	124	-1.35	-0.02	-40.56	0.0	0.0	0.0
4	127	1.14	-0.08	-21.93	0.0	0.0	0.0
4	140	18.87	-0.05	-37.23	0.0	0.0	0.0
4	156	-1.51	-0.02	-41.71	0.0	0.0	0.0
4	159	1.30	-0.08	-20.78	0.0	0.0	0.0
4	172	18.87	-0.05	-37.18	0.0	0.0	0.0
4	188	-1.52	-0.02	-41.49	0.0	0.0	0.0
4	191	1.32	-0.08	-21.01	0.0	0.0	0.0
4	204	22.21	-0.05	-38.19	0.0	0.0	0.0
4	224	-2.47	-0.01	-43.15	0.0	0.0	0.0
4	227	2.26	-0.08	-19.34	0.0	0.0	0.0
12	1	-0.08	-0.03	-22.00	0.0	0.0	0.0
12	4	-0.16	-0.06	-39.18	0.0	0.0	0.0
12	45	-0.06	-0.02	-13.45	0.0	0.0	0.0
12	65	-0.05	-0.02	-16.15	0.0	0.0	0.0
12	68	-0.11	-0.04	-27.61	0.0	0.0	0.0
12	85	-0.06	-0.02	-14.78	0.0	0.0	0.0
12	97	-0.05	-0.02	-15.64	0.0	0.0	0.0
12	98	-0.09	-0.03	-22.72	0.0	0.0	0.0
12	104	-0.05	-0.02	-15.47	0.0	0.0	0.0
12	106	-0.05	-0.02	-15.64	0.0	0.0	0.0
12	107	-0.08	-0.03	-21.71	0.0	0.0	0.0
12	108	16.82	-0.04	-22.31	0.0	0.0	0.0
12	133	-1.41	-0.09	-10.59	0.0	0.0	0.0
12	134	1.25	0.02	-32.82	0.0	0.0	0.0
12	140	18.97	-0.04	-22.39	0.0	0.0	0.0
12	165	-1.58	-0.09	-9.20	0.0	0.0	0.0
12	166	1.42	0.03	-34.21	0.0	0.0	0.0
12	172	18.96	-0.03	-22.48	0.0	0.0	0.0
12	197	-1.60	-0.09	-9.42	0.0	0.0	0.0
12	198	1.44	0.02	-33.99	0.0	0.0	0.0
12	204	22.31	-0.03	-22.67	0.0	0.0	0.0
12	229	-1.88	-0.10	-7.43	0.0	0.0	0.0
12	230	1.72	0.03	-35.98	0.0	0.0	0.0
17	1	-0.06	-0.02	-16.90	0.0	0.0	0.0
17	4	-0.13	-0.03	-28.22	0.0	0.0	0.0
17	45	-0.05	-0.01	-10.45	0.0	0.0	0.0
17	65	-0.04	-0.01	-12.48	0.0	0.0	0.0
17	68	-0.09	-0.02	-20.02	0.0	0.0	0.0
17	85	-0.05	-0.01	-11.39	0.0	0.0	0.0
17	97	-0.04	-0.01	-12.08	0.0	0.0	0.0
17	98	-0.07	-0.02	-16.69	0.0	0.0	0.0
17	104	-0.04	-0.01	-11.94	0.0	0.0	0.0
17	106	-0.04	-0.01	-12.08	0.0	0.0	0.0
17	107	-0.06	-0.02	-16.03	0.0	0.0	0.0
17	108	16.87	-0.02	-15.61	0.0	0.0	0.0
17	133	-1.38	-0.09	-9.07	0.0	0.0	0.0
17	134	1.25	0.06	-22.99	0.0	0.0	0.0
17	140	19.01	-0.02	-15.56	0.0	0.0	0.0
17	165	-1.55	-0.10	-8.20	0.0	0.0	0.0
17	166	1.42	0.07	-23.86	0.0	0.0	0.0
17	172	19.01	-0.02	-15.65	0.0	0.0	0.0
17	197	-1.57	-0.10	-8.35	0.0	0.0	0.0
17	198	1.45	0.06	-23.71	0.0	0.0	0.0
17	204	22.36	-0.02	-15.64	0.0	0.0	0.0
17	229	-1.85	-0.11	-7.11	0.0	0.0	0.0
17	230	1.72	0.07	-24.95	0.0	0.0	0.0
22	1	-0.05	-8.22e-03	-13.56	0.0	0.0	0.0
22	4	-0.10	-0.02	-21.18	0.0	0.0	0.0
22	45	-0.04	-6.36e-03	-8.63	0.0	0.0	0.0
22	65	-0.03	-6.05e-03	-10.08	0.0	0.0	0.0
22	68	-0.07	-0.01	-15.15	0.0	0.0	0.0
22	85	-0.04	-6.58e-03	-9.28	0.0	0.0	0.0
22	97	-0.03	-6.24e-03	-9.78	0.0	0.0	0.0
22	98	-0.05	-9.37e-03	-12.87	0.0	0.0	0.0
22	104	-0.03	-6.31e-03	-9.68	0.0	0.0	0.0
22	106	-0.03	-6.24e-03	-9.78	0.0	0.0	0.0
22	107	-0.05	-8.92e-03	-12.43	0.0	0.0	0.0

22	108	16.88	-0.01	-10.86	0.0	0.0	0.0
22	133	-1.36	-0.10	-7.52	0.0	0.0	0.0
22	134	1.26	0.08	-17.34	0.0	0.0	0.0
22	140	19.03	-0.01	-10.66	0.0	0.0	0.0
22	165	-1.53	-0.11	-6.91	0.0	0.0	0.0
22	166	1.43	0.09	-17.95	0.0	0.0	0.0
22	172	19.03	-0.01	-10.73	0.0	0.0	0.0
22	197	-1.56	-0.10	-7.01	0.0	0.0	0.0
22	198	1.46	0.08	-17.85	0.0	0.0	0.0
22	204	22.38	-0.01	-10.48	0.0	0.0	0.0
22	229	-1.83	-0.12	-6.14	0.0	0.0	0.0
22	230	1.73	0.10	-18.72	0.0	0.0	0.0
27	1	-0.04	-1.89e-03	-11.49	0.0	0.0	0.0
27	4	-0.07	-3.77e-03	-16.81	0.0	0.0	0.0
27	45	-0.03	-1.76e-03	-7.50	0.0	0.0	0.0
27	65	-0.03	-1.40e-03	-8.59	0.0	0.0	0.0
27	68	-0.05	-2.65e-03	-12.13	0.0	0.0	0.0
27	85	-0.03	-1.74e-03	-7.98	0.0	0.0	0.0
27	97	-0.02	-1.52e-03	-8.36	0.0	0.0	0.0
27	98	-0.04	-2.30e-03	-10.51	0.0	0.0	0.0
27	104	-0.03	-1.56e-03	-8.28	0.0	0.0	0.0
27	106	-0.02	-1.52e-03	-8.36	0.0	0.0	0.0
27	107	-0.04	-2.19e-03	-10.21	0.0	0.0	0.0
27	108	16.88	-8.15e-03	-6.83	0.0	0.0	0.0
27	113	16.85	-0.06	-5.35	0.0	0.0	0.0
27	114	-16.92	0.05	-15.06	0.0	0.0	0.0
27	140	19.03	-8.99e-03	-6.41	0.0	0.0	0.0
27	145	18.99	-0.06	-4.74	0.0	0.0	0.0
27	146	-19.06	0.06	-15.67	0.0	0.0	0.0
27	172	19.02	-8.95e-03	-6.49	0.0	0.0	0.0
27	177	18.98	-0.06	-4.86	0.0	0.0	0.0
27	178	-19.05	0.06	-15.56	0.0	0.0	0.0
27	204	22.37	-9.99e-03	-5.88	0.0	0.0	0.0
27	209	22.32	-0.07	-3.99	0.0	0.0	0.0
27	210	-22.39	0.06	-16.43	0.0	0.0	0.0
32	1	-0.02	1.92e-03	-10.33	0.0	0.0	0.0
32	4	-0.05	3.48e-03	-14.31	0.0	0.0	0.0
32	45	-0.02	1.12e-03	-6.84	0.0	0.0	0.0
32	65	-0.02	1.41e-03	-7.75	0.0	0.0	0.0
32	68	-0.04	2.45e-03	-10.40	0.0	0.0	0.0
32	85	-0.02	1.25e-03	-7.22	0.0	0.0	0.0
32	97	-0.02	1.35e-03	-7.55	0.0	0.0	0.0
32	98	-0.03	2.00e-03	-9.16	0.0	0.0	0.0
32	104	-0.02	1.33e-03	-7.48	0.0	0.0	0.0
32	106	-0.02	1.35e-03	-7.55	0.0	0.0	0.0
32	107	-0.03	1.91e-03	-8.93	0.0	0.0	0.0
32	108	16.84	-6.30e-03	-2.59	0.0	0.0	0.0
32	113	16.81	-0.06	-0.67	0.0	0.0	0.0
32	114	-16.86	0.06	-17.20	0.0	0.0	0.0
32	140	18.98	-7.48e-03	-1.78	0.0	0.0	0.0
32	145	18.94	-0.06	0.37	0.0	0.0	0.0
32	146	-18.99	0.07	-18.24	0.0	0.0	0.0
32	172	18.98	-7.71e-03	-1.89	0.0	0.0	0.0
32	177	18.94	-0.06	0.22	0.0	0.0	0.0
32	178	-18.99	0.07	-18.08	0.0	0.0	0.0
32	204	22.32	-9.27e-03	-0.73	0.0	0.0	0.0
32	209	22.27	-0.07	1.73	0.0	0.0	0.0
32	210	-22.32	0.08	-19.60	0.0	0.0	0.0
37	1	-0.02	4.07e-03	-9.90	0.0	0.0	0.0
37	4	-0.04	7.58e-03	-13.23	0.0	0.0	0.0
37	45	-0.02	2.68e-03	-6.54	0.0	0.0	0.0
37	65	-0.01	2.99e-03	-7.45	0.0	0.0	0.0
37	68	-0.03	5.32e-03	-9.67	0.0	0.0	0.0
37	85	-0.02	2.89e-03	-6.89	0.0	0.0	0.0
37	97	-9.50e-03	2.95e-03	-7.24	0.0	0.0	0.0
37	98	-0.02	4.41e-03	-8.59	0.0	0.0	0.0
37	104	-0.01	2.94e-03	-7.17	0.0	0.0	0.0
37	106	-9.50e-03	2.95e-03	-7.24	0.0	0.0	0.0
37	107	-0.02	4.20e-03	-8.40	0.0	0.0	0.0
37	108	16.81	-6.67e-03	3.08	0.0	0.0	0.0
37	113	16.78	-0.06	6.37	0.0	0.0	0.0
37	114	-16.81	0.07	-23.16	0.0	0.0	0.0
37	140	18.95	-8.20e-03	4.53	0.0	0.0	0.0
37	145	18.91	-0.07	8.23	0.0	0.0	0.0
37	146	-18.94	0.08	-25.03	0.0	0.0	0.0

37	172	18.94	-8.59e-03	4.33	0.0	0.0	0.0
37	177	18.91	-0.07	7.96	0.0	0.0	0.0
37	178	-18.94	0.07	-24.76	0.0	0.0	0.0
37	204	22.27	-0.01	6.45	0.0	0.0	0.0
37	209	22.23	-0.08	10.68	0.0	0.0	0.0
37	210	-22.26	0.09	-27.48	0.0	0.0	0.0
42	1	-6.06e-03	5.43e-03	-10.42	0.0	0.0	0.0
42	4	-0.02	0.01	-13.73	0.0	0.0	0.0
42	45	-0.01	3.60e-03	-6.74	0.0	0.0	0.0
42	65	-3.79e-03	3.98e-03	-7.84	0.0	0.0	0.0
42	68	-0.01	7.15e-03	-10.05	0.0	0.0	0.0
42	85	-0.01	3.88e-03	-7.13	0.0	0.0	0.0
42	97	-3.09e-03	3.94e-03	-7.57	0.0	0.0	0.0
42	98	-9.05e-03	5.92e-03	-8.92	0.0	0.0	0.0
42	104	-4.62e-03	3.93e-03	-7.49	0.0	0.0	0.0
42	106	-3.09e-03	3.94e-03	-7.57	0.0	0.0	0.0
42	107	-8.20e-03	5.63e-03	-8.73	0.0	0.0	0.0
42	108	16.36	-8.90e-03	24.73	0.0	0.0	0.0
42	113	16.33	-0.06	33.74	0.0	0.0	0.0
42	114	-16.35	0.07	-51.20	0.0	0.0	0.0
42	140	18.43	-0.01	28.96	0.0	0.0	0.0
42	145	18.40	-0.07	39.11	0.0	0.0	0.0
42	146	-18.42	0.08	-56.57	0.0	0.0	0.0
42	172	18.43	-0.01	28.62	0.0	0.0	0.0
42	177	18.40	-0.07	38.65	0.0	0.0	0.0
42	178	-18.41	0.08	-56.10	0.0	0.0	0.0
42	204	21.67	-0.01	34.97	0.0	0.0	0.0
42	209	21.63	-0.08	46.68	0.0	0.0	0.0
42	210	-21.64	0.09	-64.13	0.0	0.0	0.0
47	1	1.59e-03	3.05e-03	-5.79	0.0	0.0	0.0
47	4	-5.15e-03	5.98e-03	-7.61	0.0	0.0	0.0
47	45	-3.64e-03	2.63e-03	-3.68	0.0	0.0	0.0
47	65	1.57e-03	2.25e-03	-4.35	0.0	0.0	0.0
47	68	-2.93e-03	4.21e-03	-5.57	0.0	0.0	0.0
47	85	-2.11e-03	2.65e-03	-3.91	0.0	0.0	0.0
47	97	1.78e-03	2.40e-03	-4.18	0.0	0.0	0.0
47	98	-5.47e-04	3.62e-03	-4.92	0.0	0.0	0.0
47	104	1.00e-03	2.45e-03	-4.13	0.0	0.0	0.0
47	106	1.78e-03	2.40e-03	-4.18	0.0	0.0	0.0
47	107	-2.15e-04	3.45e-03	-4.81	0.0	0.0	0.0
47	108	8.05	0.06	51.34	0.0	0.0	0.0
47	113	8.04	0.03	65.68	0.0	0.0	0.0
47	114	-8.04	-0.02	-75.31	0.0	0.0	0.0
47	140	9.07	0.06	58.46	0.0	0.0	0.0
47	145	9.06	0.03	74.62	0.0	0.0	0.0
47	146	-9.06	-0.02	-84.24	0.0	0.0	0.0
47	172	9.07	0.06	58.23	0.0	0.0	0.0
47	177	9.06	0.03	74.33	0.0	0.0	0.0
47	178	-9.06	-0.02	-83.96	0.0	0.0	0.0
47	204	10.67	0.07	69.17	0.0	0.0	0.0
47	209	10.65	0.04	88.05	0.0	0.0	0.0
47	210	-10.65	-0.03	-97.67	0.0	0.0	0.0
81	1	0.05	2.88e-03	-11.48	0.0	0.0	0.0
81	4	0.19	3.57e-03	-19.73	0.0	0.0	0.0
81	45	0.12	-1.51e-03	-6.21	0.0	0.0	0.0
81	65	0.04	2.02e-03	-8.42	0.0	0.0	0.0
81	68	0.13	2.48e-03	-13.93	0.0	0.0	0.0
81	85	0.10	-6.34e-04	-7.07	0.0	0.0	0.0
81	97	0.06	1.03e-03	-7.93	0.0	0.0	0.0
81	98	0.12	1.32e-03	-11.34	0.0	0.0	0.0
81	104	0.07	6.93e-04	-7.76	0.0	0.0	0.0
81	106	0.06	1.03e-03	-7.93	0.0	0.0	0.0
81	107	0.11	1.28e-03	-10.85	0.0	0.0	0.0
81	108	5.39	0.05	-61.43	0.0	0.0	0.0
81	111	-5.16	-0.04	39.74	0.0	0.0	0.0
81	140	6.06	0.05	-67.85	0.0	0.0	0.0
81	143	-5.83	-0.05	46.15	0.0	0.0	0.0
81	172	6.05	0.05	-67.93	0.0	0.0	0.0
81	175	-5.82	-0.05	46.24	0.0	0.0	0.0
81	204	7.09	0.06	-77.99	0.0	0.0	0.0
81	207	-6.86	-0.06	56.29	0.0	0.0	0.0
84	1	0.13	-1.57e-03	-23.31	0.0	0.0	0.0
84	4	0.43	-2.15e-03	-40.64	0.0	0.0	0.0
84	45	0.26	-1.06e-05	-12.86	0.0	0.0	0.0
84	65	0.10	-1.13e-03	-17.10	0.0	0.0	0.0

84	68	0.30	-1.52e-03	-28.65	0.0	0.0	0.0
84	85	0.24	-3.03e-04	-14.56	0.0	0.0	0.0
84	97	0.15	-8.14e-04	-16.16	0.0	0.0	0.0
84	98	0.28	-1.06e-03	-23.34	0.0	0.0	0.0
84	104	0.17	-7.12e-04	-15.84	0.0	0.0	0.0
84	106	0.15	-8.14e-04	-16.16	0.0	0.0	0.0
84	107	0.27	-1.03e-03	-22.31	0.0	0.0	0.0
84	108	11.08	0.05	-44.54	0.0	0.0	0.0
84	136	-1.31	0.08	-45.18	0.0	0.0	0.0
84	139	1.84	-0.08	0.56	0.0	0.0	0.0
84	140	12.45	0.05	-47.35	0.0	0.0	0.0
84	168	-1.50	0.09	-48.10	0.0	0.0	0.0
84	171	2.03	-0.09	3.48	0.0	0.0	0.0
84	172	12.44	0.05	-47.24	0.0	0.0	0.0
84	200	-1.40	0.09	-48.25	0.0	0.0	0.0
84	203	1.93	-0.09	3.63	0.0	0.0	0.0
84	204	14.57	0.06	-51.54	0.0	0.0	0.0
84	216	12.87	0.07	-53.39	0.0	0.0	0.0
84	219	-12.34	-0.07	8.77	0.0	0.0	0.0
92	1	1.15	-4.50e-03	-19.84	0.0	0.0	0.0
92	4	2.41	-4.91e-03	-36.03	0.0	0.0	0.0
92	45	1.09	3.69e-03	-12.10	0.0	0.0	0.0
92	65	0.85	-3.14e-03	-14.55	0.0	0.0	0.0
92	68	1.69	-3.41e-03	-25.34	0.0	0.0	0.0
92	85	1.08	2.03e-03	-13.32	0.0	0.0	0.0
92	97	0.94	-1.22e-03	-14.09	0.0	0.0	0.0
92	98	1.48	-1.41e-03	-20.87	0.0	0.0	0.0
92	104	0.97	-5.72e-04	-13.94	0.0	0.0	0.0
92	106	0.94	-1.22e-03	-14.09	0.0	0.0	0.0
92	107	1.40	-1.39e-03	-19.90	0.0	0.0	0.0
92	108	12.31	-0.03	8.00	0.0	0.0	0.0
92	113	15.02	-0.05	17.19	0.0	0.0	0.0
92	114	-12.22	0.04	-56.99	0.0	0.0	0.0
92	140	13.69	-0.03	11.53	0.0	0.0	0.0
92	145	16.75	-0.05	21.86	0.0	0.0	0.0
92	146	-13.95	0.05	-61.66	0.0	0.0	0.0
92	172	13.68	-0.03	11.11	0.0	0.0	0.0
92	177	16.73	-0.05	21.23	0.0	0.0	0.0
92	178	-13.93	0.05	-61.03	0.0	0.0	0.0
92	204	15.82	-0.04	16.28	0.0	0.0	0.0
92	209	19.42	-0.06	28.07	0.0	0.0	0.0
92	210	-16.62	0.06	-67.87	0.0	0.0	0.0
97	1	-0.88	1.01	-18.75	0.0	0.0	0.0
97	19	-0.63	1.66	-9.40	0.0	0.0	0.0
97	28	-1.55	-0.96	-46.49	0.0	0.0	0.0
97	65	-0.65	0.67	-14.00	0.0	0.0	0.0
97	72	-0.66	1.11	-12.41	0.0	0.0	0.0
97	80	-1.10	-0.64	-32.50	0.0	0.0	0.0
97	97	-0.63	0.02	-16.39	0.0	0.0	0.0
97	98	-0.93	0.03	-25.14	0.0	0.0	0.0
97	102	-0.64	0.24	-15.59	0.0	0.0	0.0
97	106	-0.63	0.02	-16.39	0.0	0.0	0.0
97	107	-0.89	0.03	-23.89	0.0	0.0	0.0
97	108	4.11	11.06	107.06	0.0	0.0	0.0
97	111	-5.89	-11.01	-154.84	0.0	0.0	0.0
97	140	4.74	12.45	123.67	0.0	0.0	0.0
97	143	-6.52	-12.40	-171.45	0.0	0.0	0.0
97	172	4.73	12.30	124.00	0.0	0.0	0.0
97	175	-6.50	-12.25	-171.78	0.0	0.0	0.0
97	204	5.70	14.36	150.10	0.0	0.0	0.0
97	207	-7.48	-14.31	-197.88	0.0	0.0	0.0
121	1	6.29e-04	0.76	-42.25	0.0	0.0	0.0
121	4	1.08e-03	0.64	-67.44	0.0	0.0	0.0
121	45	4.13e-04	-1.71	-6.43	0.0	0.0	0.0
121	65	4.68e-04	0.50	-30.47	0.0	0.0	0.0
121	68	7.70e-04	0.41	-47.26	0.0	0.0	0.0
121	85	4.53e-04	-1.19	-13.22	0.0	0.0	0.0
121	97	4.84e-04	-0.13	-24.09	0.0	0.0	0.0
121	103	6.38e-04	0.04	-35.40	0.0	0.0	0.0
121	104	4.77e-04	-0.34	-21.92	0.0	0.0	0.0
121	106	4.84e-04	-0.13	-24.09	0.0	0.0	0.0
121	107	6.43e-04	-0.17	-33.27	0.0	0.0	0.0
121	108	0.07	10.67	-129.97	0.0	0.0	0.0
121	136	0.06	12.14	-165.85	0.0	0.0	0.0
121	139	-0.06	-12.48	99.31	0.0	0.0	0.0

121	140	0.08	12.04	-142.11	0.0	0.0	0.0
121	168	0.07	13.70	-182.63	0.0	0.0	0.0
121	171	-0.07	-14.05	116.10	0.0	0.0	0.0
121	172	0.08	11.92	-140.02	0.0	0.0	0.0
121	200	0.07	13.76	-182.30	0.0	0.0	0.0
121	203	-0.07	-14.10	115.77	0.0	0.0	0.0
121	204	0.09	13.97	-157.49	0.0	0.0	0.0
121	232	0.08	16.26	-208.25	0.0	0.0	0.0
121	235	-0.08	-16.60	141.71	0.0	0.0	0.0
124	1	5.34e-04	1.62	-62.31	0.0	0.0	0.0
124	4	8.60e-04	1.38	-105.05	0.0	0.0	0.0
124	45	3.04e-04	-3.57	-24.65	0.0	0.0	0.0
124	65	3.95e-04	1.05	-45.37	0.0	0.0	0.0
124	68	6.12e-04	0.89	-73.86	0.0	0.0	0.0
124	85	3.41e-04	-2.47	-31.35	0.0	0.0	0.0
124	97	3.80e-04	-0.25	-40.18	0.0	0.0	0.0
124	98	5.14e-04	-0.35	-58.33	0.0	0.0	0.0
124	104	3.72e-04	-0.69	-38.41	0.0	0.0	0.0
124	106	3.80e-04	-0.25	-40.18	0.0	0.0	0.0
124	107	4.95e-04	-0.34	-55.74	0.0	0.0	0.0
124	108	0.13	21.99	-125.69	0.0	0.0	0.0
124	136	0.10	25.02	-165.69	0.0	0.0	0.0
124	139	-0.10	-25.70	54.21	0.0	0.0	0.0
124	140	0.15	24.80	-134.44	0.0	0.0	0.0
124	168	0.11	28.26	-179.53	0.0	0.0	0.0
124	171	-0.11	-28.93	68.05	0.0	0.0	0.0
124	172	0.14	24.56	-132.07	0.0	0.0	0.0
124	200	0.10	28.37	-178.63	0.0	0.0	0.0
124	203	-0.10	-29.05	67.15	0.0	0.0	0.0
124	204	0.16	28.78	-144.05	0.0	0.0	0.0
124	232	0.12	33.51	-199.58	0.0	0.0	0.0
124	235	-0.12	-34.19	88.10	0.0	0.0	0.0
132	1	3.49e-05	1.69	-45.45	0.0	0.0	0.0
132	4	8.12e-05	1.47	-79.50	0.0	0.0	0.0
132	45	5.98e-05	-3.61	-23.40	0.0	0.0	0.0
132	65	2.66e-05	1.10	-33.23	0.0	0.0	0.0
132	68	5.75e-05	0.96	-55.93	0.0	0.0	0.0
132	85	5.35e-05	-2.49	-27.11	0.0	0.0	0.0
132	97	3.63e-05	-0.22	-30.96	0.0	0.0	0.0
132	98	5.63e-05	-0.32	-45.41	0.0	0.0	0.0
132	104	3.97e-05	-0.68	-30.19	0.0	0.0	0.0
132	106	3.63e-05	-0.22	-30.96	0.0	0.0	0.0
132	107	5.34e-05	-0.30	-43.34	0.0	0.0	0.0
132	108	0.11	22.68	-34.98	0.0	0.0	0.0
132	136	-6.95e-03	25.86	-88.00	0.0	0.0	0.0
132	139	7.06e-03	-26.47	1.31	0.0	0.0	0.0
132	140	0.12	25.58	-33.92	0.0	0.0	0.0
132	168	-8.16e-03	29.20	-93.60	0.0	0.0	0.0
132	171	8.27e-03	-29.80	6.91	0.0	0.0	0.0
132	172	0.11	25.32	-34.51	0.0	0.0	0.0
132	200	-8.70e-03	29.31	-93.07	0.0	0.0	0.0
132	203	8.81e-03	-29.92	6.38	0.0	0.0	0.0
132	204	0.13	29.67	-33.26	0.0	0.0	0.0
132	232	-9.95e-03	34.62	-101.44	0.0	0.0	0.0
132	235	0.01	-35.22	14.75	0.0	0.0	0.0
137	1	-4.17e-04	1.74	-37.04	0.0	0.0	0.0
137	4	-6.34e-04	1.54	-66.52	0.0	0.0	0.0
137	45	-1.96e-04	-3.63	-21.47	0.0	0.0	0.0
137	65	-3.08e-04	1.14	-27.14	0.0	0.0	0.0
137	68	-4.53e-04	1.01	-46.79	0.0	0.0	0.0
137	85	-2.33e-04	-2.49	-23.99	0.0	0.0	0.0
137	97	-2.83e-04	-0.20	-25.97	0.0	0.0	0.0
137	98	-3.70e-04	-0.28	-38.46	0.0	0.0	0.0
137	104	-2.73e-04	-0.66	-25.57	0.0	0.0	0.0
137	106	-2.83e-04	-0.20	-25.97	0.0	0.0	0.0
137	107	-3.58e-04	-0.27	-36.68	0.0	0.0	0.0
137	108	0.11	22.80	-32.62	0.0	0.0	0.0
137	136	-7.77e-03	26.05	-58.25	0.0	0.0	0.0
137	139	7.06e-03	-26.59	-15.10	0.0	0.0	0.0
137	140	0.12	25.71	-32.11	0.0	0.0	0.0
137	168	-9.05e-03	29.40	-60.95	0.0	0.0	0.0
137	171	8.33e-03	-29.95	-12.40	0.0	0.0	0.0
137	172	0.11	25.45	-32.41	0.0	0.0	0.0
137	200	-9.66e-03	29.52	-60.70	0.0	0.0	0.0
137	203	8.94e-03	-30.06	-12.65	0.0	0.0	0.0

137	204	0.13	29.81	-31.80	0.0	0.0	0.0
137	232	-0.01	34.85	-64.74	0.0	0.0	0.0
137	235	0.01	-35.40	-8.61	0.0	0.0	0.0
142	1	-8.14e-04	1.78	-32.42	0.0	0.0	0.0
142	4	-1.29e-03	1.61	-59.42	0.0	0.0	0.0
142	45	-4.81e-04	-3.63	-20.39	0.0	0.0	0.0
142	65	-6.03e-04	1.17	-23.78	0.0	0.0	0.0
142	68	-9.23e-04	1.05	-41.78	0.0	0.0	0.0
142	85	-5.31e-04	-2.49	-22.26	0.0	0.0	0.0
142	97	-5.80e-04	-0.18	-23.22	0.0	0.0	0.0
142	98	-7.75e-04	-0.26	-34.65	0.0	0.0	0.0
142	104	-5.70e-04	-0.64	-23.02	0.0	0.0	0.0
142	106	-5.80e-04	-0.18	-23.22	0.0	0.0	0.0
142	107	-7.47e-04	-0.25	-33.02	0.0	0.0	0.0
142	108	0.11	22.93	-31.39	0.0	0.0	0.0
142	133	0.09	-15.99	-24.05	0.0	0.0	0.0
142	134	-0.09	15.50	-41.99	0.0	0.0	0.0
142	140	0.12	25.85	-31.19	0.0	0.0	0.0
142	165	0.10	-17.99	-22.93	0.0	0.0	0.0
142	166	-0.10	17.50	-43.11	0.0	0.0	0.0
142	172	0.11	25.59	-31.38	0.0	0.0	0.0
142	200	-0.01	29.73	-42.98	0.0	0.0	0.0
142	203	9.08e-03	-30.22	-23.06	0.0	0.0	0.0
142	204	0.13	29.97	-31.18	0.0	0.0	0.0
142	232	-0.01	35.09	-44.64	0.0	0.0	0.0
142	235	0.01	-35.58	-21.40	0.0	0.0	0.0
147	1	-1.13e-03	1.82	-30.11	0.0	0.0	0.0
147	4	-1.88e-03	1.66	-55.97	0.0	0.0	0.0
147	45	-7.63e-04	-3.63	-20.17	0.0	0.0	0.0
147	65	-8.41e-04	1.20	-22.12	0.0	0.0	0.0
147	68	-1.34e-03	1.09	-39.35	0.0	0.0	0.0
147	85	-8.13e-04	-2.48	-21.64	0.0	0.0	0.0
147	97	-8.34e-04	-0.16	-21.94	0.0	0.0	0.0
147	98	-1.14e-03	-0.23	-32.88	0.0	0.0	0.0
147	104	-8.30e-04	-0.63	-21.88	0.0	0.0	0.0
147	106	-8.34e-04	-0.16	-21.94	0.0	0.0	0.0
147	107	-1.09e-03	-0.22	-31.32	0.0	0.0	0.0
147	108	0.11	23.02	-30.20	0.0	0.0	0.0
147	133	0.09	-16.05	-28.78	0.0	0.0	0.0
147	134	-0.09	15.61	-33.86	0.0	0.0	0.0
147	140	0.13	25.95	-30.07	0.0	0.0	0.0
147	165	0.10	-18.06	-28.47	0.0	0.0	0.0
147	166	-0.10	17.61	-34.17	0.0	0.0	0.0
147	172	0.12	25.69	-30.21	0.0	0.0	0.0
147	197	0.09	-18.04	-28.56	0.0	0.0	0.0
147	198	-0.09	17.60	-34.09	0.0	0.0	0.0
147	204	0.14	30.08	-30.06	0.0	0.0	0.0
147	229	0.10	-21.10	-28.12	0.0	0.0	0.0
147	230	-0.11	20.66	-34.53	0.0	0.0	0.0
152	1	-1.29e-03	1.85	-29.43	0.0	0.0	0.0
152	19	-8.90e-04	3.27	-20.15	0.0	0.0	0.0
152	28	-2.28e-03	-2.44	-55.44	0.0	0.0	0.0
152	65	-9.56e-04	1.22	-21.65	0.0	0.0	0.0
152	72	-9.49e-04	2.13	-21.57	0.0	0.0	0.0
152	80	-1.61e-03	-1.64	-38.99	0.0	0.0	0.0
152	97	-9.67e-04	-0.15	-21.77	0.0	0.0	0.0
152	98	-1.36e-03	-0.21	-32.61	0.0	0.0	0.0
152	102	-9.63e-04	0.31	-21.73	0.0	0.0	0.0
152	106	-9.67e-04	-0.15	-21.77	0.0	0.0	0.0
152	107	-1.31e-03	-0.20	-31.06	0.0	0.0	0.0
152	108	0.14	23.09	-27.21	0.0	0.0	0.0
152	111	-0.14	-23.49	-34.91	0.0	0.0	0.0
152	140	0.16	26.02	-26.72	0.0	0.0	0.0
152	143	-0.16	-26.42	-35.39	0.0	0.0	0.0
152	172	0.14	25.76	-26.76	0.0	0.0	0.0
152	175	-0.15	-26.16	-35.36	0.0	0.0	0.0
152	204	0.17	30.15	-26.01	0.0	0.0	0.0
152	207	-0.17	-30.55	-36.11	0.0	0.0	0.0
157	1	-1.16e-03	1.87	-29.97	0.0	0.0	0.0
157	19	-7.64e-04	3.29	-20.10	0.0	0.0	0.0
157	28	-2.28e-03	-2.42	-57.46	0.0	0.0	0.0
157	65	-8.51e-04	1.23	-22.09	0.0	0.0	0.0
157	72	-8.36e-04	2.15	-21.80	0.0	0.0	0.0
157	80	-1.60e-03	-1.62	-40.42	0.0	0.0	0.0
157	97	-8.72e-04	-0.13	-22.53	0.0	0.0	0.0

157	98	-1.32e-03	-0.19	-33.55	0.0	0.0	0.0
157	102	-8.65e-04	0.32	-22.39	0.0	0.0	0.0
157	106	-8.72e-04	-0.13	-22.53	0.0	0.0	0.0
157	107	-1.25e-03	-0.18	-31.98	0.0	0.0	0.0
157	108	0.14	23.12	-23.44	0.0	0.0	0.0
157	124	0.08	23.70	-23.29	0.0	0.0	0.0
157	127	-0.08	-24.07	-40.67	0.0	0.0	0.0
157	140	0.16	26.06	-22.36	0.0	0.0	0.0
157	156	0.09	26.67	-22.20	0.0	0.0	0.0
157	159	-0.09	-27.04	-41.75	0.0	0.0	0.0
157	172	0.14	25.80	-22.38	0.0	0.0	0.0
157	188	0.08	26.10	-22.36	0.0	0.0	0.0
157	191	-0.08	-26.47	-41.59	0.0	0.0	0.0
157	204	0.17	30.19	-20.72	0.0	0.0	0.0
157	212	0.16	32.33	-20.51	0.0	0.0	0.0
157	215	-0.16	-32.69	-43.44	0.0	0.0	0.0
162	1	-6.98e-04	1.89	-31.62	0.0	0.0	0.0
162	19	-4.17e-04	3.31	-20.70	0.0	0.0	0.0
162	28	-1.78e-03	-2.39	-61.59	0.0	0.0	0.0
162	65	-5.03e-04	1.25	-23.37	0.0	0.0	0.0
162	72	-4.86e-04	2.16	-22.81	0.0	0.0	0.0
162	80	-1.22e-03	-1.61	-43.35	0.0	0.0	0.0
162	97	-5.28e-04	-0.12	-24.22	0.0	0.0	0.0
162	98	-9.66e-04	-0.17	-35.71	0.0	0.0	0.0
162	102	-5.20e-04	0.33	-23.93	0.0	0.0	0.0
162	106	-5.28e-04	-0.12	-24.22	0.0	0.0	0.0
162	107	-9.03e-04	-0.17	-34.07	0.0	0.0	0.0
162	108	0.14	23.14	-17.39	0.0	0.0	0.0
162	124	0.08	23.73	-16.74	0.0	0.0	0.0
162	127	-0.08	-24.06	-51.40	0.0	0.0	0.0
162	140	0.16	26.07	-15.28	0.0	0.0	0.0
162	156	0.09	26.70	-14.58	0.0	0.0	0.0
162	159	-0.09	-27.03	-53.56	0.0	0.0	0.0
162	172	0.14	25.81	-15.33	0.0	0.0	0.0
162	200	0.08	30.10	-14.83	0.0	0.0	0.0
162	203	-0.08	-30.44	-53.31	0.0	0.0	0.0
162	204	0.17	30.20	-12.09	0.0	0.0	0.0
162	232	0.10	35.52	-11.34	0.0	0.0	0.0
162	235	-0.10	-35.85	-56.80	0.0	0.0	0.0
167	1	-7.91e-05	1.90	-34.18	0.0	0.0	0.0
167	19	5.72e-05	3.32	-21.68	0.0	0.0	0.0
167	28	-1.03e-03	-2.38	-67.86	0.0	0.0	0.0
167	65	-3.70e-05	1.26	-25.35	0.0	0.0	0.0
167	72	-1.22e-05	2.17	-24.39	0.0	0.0	0.0
167	80	-6.74e-04	-1.60	-47.81	0.0	0.0	0.0
167	97	-7.41e-05	-0.12	-26.79	0.0	0.0	0.0
167	98	-4.60e-04	-0.16	-39.04	0.0	0.0	0.0
167	102	-6.17e-05	0.34	-26.31	0.0	0.0	0.0
167	106	-7.41e-05	-0.12	-26.79	0.0	0.0	0.0
167	107	-4.05e-04	-0.16	-37.29	0.0	0.0	0.0
167	108	0.14	23.13	-6.47	0.0	0.0	0.0
167	124	0.08	23.73	-5.07	0.0	0.0	0.0
167	127	-0.08	-24.05	-69.52	0.0	0.0	0.0
167	140	0.16	26.07	-2.58	0.0	0.0	0.0
167	156	0.09	26.70	-1.05	0.0	0.0	0.0
167	159	-0.09	-27.02	-73.53	0.0	0.0	0.0
167	172	0.14	25.80	-2.70	0.0	0.0	0.0
167	200	0.08	30.13	-1.10	0.0	0.0	0.0
167	203	-0.08	-30.44	-73.48	0.0	0.0	0.0
167	204	0.16	30.19	3.29	0.0	0.0	0.0
167	232	0.09	35.54	5.45	0.0	0.0	0.0
167	235	-0.09	-35.85	-80.03	0.0	0.0	0.0
172	1	3.85e-04	1.55	-30.58	0.0	0.0	0.0
172	19	4.18e-04	2.70	-18.75	0.0	0.0	0.0
172	28	-3.13e-04	-1.93	-62.12	0.0	0.0	0.0
172	65	3.02e-04	1.02	-22.76	0.0	0.0	0.0
172	72	3.45e-04	1.77	-21.58	0.0	0.0	0.0
172	80	-1.63e-04	-1.29	-43.79	0.0	0.0	0.0
172	97	2.39e-04	-0.09	-24.53	0.0	0.0	0.0
172	98	-7.33e-06	-0.13	-35.44	0.0	0.0	0.0
172	102	2.60e-04	0.28	-23.94	0.0	0.0	0.0
172	106	2.39e-04	-0.09	-24.53	0.0	0.0	0.0
172	107	2.79e-05	-0.12	-33.88	0.0	0.0	0.0
172	108	0.12	18.81	3.78	0.0	0.0	0.0
172	132	0.07	21.54	5.78	0.0	0.0	0.0

172	135	-0.07	-21.78	-73.55	0.0	0.0	0.0
172	140	0.13	21.20	8.53	0.0	0.0	0.0
172	164	0.08	24.28	10.81	0.0	0.0	0.0
172	167	-0.08	-24.53	-78.58	0.0	0.0	0.0
172	172	0.12	20.98	8.37	0.0	0.0	0.0
172	200	0.06	24.52	10.98	0.0	0.0	0.0
172	203	-0.06	-24.77	-78.75	0.0	0.0	0.0
172	204	0.14	24.55	15.67	0.0	0.0	0.0
172	232	0.07	28.92	19.08	0.0	0.0	0.0
172	235	-0.07	-29.17	-86.85	0.0	0.0	0.0
177	1	1.07e-03	1.28	-18.61	0.0	0.0	0.0
177	19	1.02e-03	2.27	-11.24	0.0	0.0	0.0
177	28	6.86e-04	-1.72	-38.86	0.0	0.0	0.0
177	65	7.87e-04	0.84	-13.86	0.0	0.0	0.0
177	72	8.97e-04	1.48	-13.07	0.0	0.0	0.0
177	80	5.33e-04	-1.16	-27.35	0.0	0.0	0.0
177	97	6.21e-04	-0.11	-15.04	0.0	0.0	0.0
177	98	6.44e-04	-0.16	-22.12	0.0	0.0	0.0
177	102	6.76e-04	0.21	-14.64	0.0	0.0	0.0
177	106	6.21e-04	-0.11	-15.04	0.0	0.0	0.0
177	107	6.41e-04	-0.15	-21.11	0.0	0.0	0.0
177	108	0.11	16.07	2.64	0.0	0.0	0.0
177	132	0.06	18.42	4.37	0.0	0.0	0.0
177	135	-0.06	-18.72	-46.60	0.0	0.0	0.0
177	140	0.12	18.11	5.64	0.0	0.0	0.0
177	164	0.07	20.77	7.60	0.0	0.0	0.0
177	167	-0.07	-21.07	-49.83	0.0	0.0	0.0
177	172	0.11	17.92	5.52	0.0	0.0	0.0
177	200	0.06	20.97	7.73	0.0	0.0	0.0
177	203	-0.06	-21.27	-49.96	0.0	0.0	0.0
177	204	0.12	20.98	10.12	0.0	0.0	0.0
177	232	0.07	24.75	12.93	0.0	0.0	0.0
177	235	-0.06	-25.05	-55.16	0.0	0.0	0.0
182	1	2.40e-03	1.89	-15.99	0.0	0.0	0.0
182	19	2.24e-03	3.33	-9.99	0.0	0.0	0.0
182	28	2.42e-03	-2.42	-33.71	0.0	0.0	0.0
182	65	1.74e-03	1.25	-11.84	0.0	0.0	0.0
182	72	1.99e-03	2.17	-11.35	0.0	0.0	0.0
182	80	1.75e-03	-1.63	-23.66	0.0	0.0	0.0
182	97	1.36e-03	-0.13	-12.58	0.0	0.0	0.0
182	98	1.83e-03	-0.18	-19.41	0.0	0.0	0.0
182	102	1.48e-03	0.33	-12.33	0.0	0.0	0.0
182	106	1.36e-03	-0.13	-12.58	0.0	0.0	0.0
182	107	1.76e-03	-0.18	-18.43	0.0	0.0	0.0
182	108	0.17	23.32	-4.12	0.0	0.0	0.0
182	132	0.10	26.77	-2.81	0.0	0.0	0.0
182	135	-0.09	-27.12	-34.05	0.0	0.0	0.0
182	140	0.19	26.28	-2.31	0.0	0.0	0.0
182	164	0.11	30.18	-0.83	0.0	0.0	0.0
182	167	-0.11	-30.53	-36.03	0.0	0.0	0.0
182	172	0.18	26.01	-2.39	0.0	0.0	0.0
182	200	0.09	30.47	-0.75	0.0	0.0	0.0
182	203	-0.09	-30.83	-36.11	0.0	0.0	0.0
182	204	0.20	30.44	0.37	0.0	0.0	0.0
182	232	0.11	35.95	2.43	0.0	0.0	0.0
182	235	-0.10	-36.30	-39.29	0.0	0.0	0.0
187	1	3.31e-03	1.94	-11.00	0.0	0.0	0.0
187	19	2.82e-03	3.36	-7.26	0.0	0.0	0.0
187	28	5.19e-03	-2.33	-23.25	0.0	0.0	0.0
187	65	2.36e-03	1.28	-8.08	0.0	0.0	0.0
187	72	2.64e-03	2.20	-7.95	0.0	0.0	0.0
187	80	3.62e-03	-1.56	-16.25	0.0	0.0	0.0
187	97	1.96e-03	-0.10	-8.27	0.0	0.0	0.0
187	98	3.29e-03	-0.13	-13.61	0.0	0.0	0.0
187	102	2.09e-03	0.36	-8.21	0.0	0.0	0.0
187	106	1.96e-03	-0.10	-8.27	0.0	0.0	0.0
187	107	3.10e-03	-0.13	-12.85	0.0	0.0	0.0
187	108	0.19	23.24	-8.88	0.0	0.0	0.0
187	111	-0.19	-23.49	-16.81	0.0	0.0	0.0
187	140	0.22	26.18	-8.39	0.0	0.0	0.0
187	143	-0.21	-26.43	-17.31	0.0	0.0	0.0
187	172	0.21	25.90	-8.43	0.0	0.0	0.0
187	175	-0.20	-26.16	-17.27	0.0	0.0	0.0
187	204	0.24	30.30	-7.67	0.0	0.0	0.0
187	212	0.20	32.46	-7.64	0.0	0.0	0.0

187	215	-0.19	-32.72	-18.06	0.0	0.0	0.0
192	1	3.32e-03	1.98	-11.80	0.0	0.0	0.0
192	4	9.84e-03	1.94	-24.25	0.0	0.0	0.0
192	53	2.48e-03	-0.06	-8.06	0.0	0.0	0.0
192	65	2.38e-03	1.32	-8.64	0.0	0.0	0.0
192	68	6.72e-03	1.28	-16.93	0.0	0.0	0.0
192	89	2.79e-03	-0.06	-8.64	0.0	0.0	0.0
192	97	2.79e-03	-0.06	-8.64	0.0	0.0	0.0
192	98	5.67e-03	-0.08	-14.31	0.0	0.0	0.0
192	106	2.79e-03	-0.06	-8.64	0.0	0.0	0.0
192	107	5.26e-03	-0.08	-13.50	0.0	0.0	0.0
192	108	0.13	23.23	-8.00	0.0	0.0	0.0
192	113	0.16	11.15	-6.38	0.0	0.0	0.0
192	114	-0.15	-11.30	-20.61	0.0	0.0	0.0
192	140	0.15	26.16	-7.31	0.0	0.0	0.0
192	145	0.18	12.57	-5.49	0.0	0.0	0.0
192	146	-0.17	-12.72	-21.50	0.0	0.0	0.0
192	172	0.14	25.88	-7.40	0.0	0.0	0.0
192	177	0.17	12.47	-5.61	0.0	0.0	0.0
192	178	-0.16	-12.62	-21.38	0.0	0.0	0.0
192	204	0.16	30.27	-6.38	0.0	0.0	0.0
192	209	0.19	14.65	-4.29	0.0	0.0	0.0
192	210	-0.18	-14.80	-22.70	0.0	0.0	0.0
197	1	2.16e-03	2.03	-19.15	0.0	0.0	0.0
197	19	-4.89e-03	3.40	-12.74	0.0	0.0	0.0
197	28	0.03	-2.10	-39.08	0.0	0.0	0.0
197	65	1.76e-03	1.35	-14.06	0.0	0.0	0.0
197	72	-8.97e-04	2.26	-13.88	0.0	0.0	0.0
197	80	0.02	-1.40	-27.35	0.0	0.0	0.0
197	97	5.75e-03	-0.01	-14.31	0.0	0.0	0.0
197	98	0.01	-0.01	-22.72	0.0	0.0	0.0
197	102	4.42e-03	0.44	-14.23	0.0	0.0	0.0
197	106	5.75e-03	-0.01	-14.31	0.0	0.0	0.0
197	107	0.01	-0.01	-21.52	0.0	0.0	0.0
197	108	-0.20	22.74	17.77	0.0	0.0	0.0
197	112	-0.19	23.63	18.26	0.0	0.0	0.0
197	115	0.22	-23.66	-61.30	0.0	0.0	0.0
197	140	-0.23	25.61	22.75	0.0	0.0	0.0
197	144	-0.22	26.63	23.30	0.0	0.0	0.0
197	147	0.24	-26.65	-66.34	0.0	0.0	0.0
197	172	-0.23	25.31	22.56	0.0	0.0	0.0
197	176	-0.22	26.48	23.09	0.0	0.0	0.0
197	179	0.24	-26.50	-66.13	0.0	0.0	0.0
197	204	-0.27	29.58	30.20	0.0	0.0	0.0
197	208	-0.25	31.04	30.81	0.0	0.0	0.0
197	211	0.28	-31.06	-73.85	0.0	0.0	0.0
257	1	-0.05	0.28	-25.75	0.0	0.0	0.0
257	4	-0.08	0.30	-45.30	0.0	0.0	0.0
257	45	-0.01	-0.92	-12.00	0.0	0.0	0.0
257	65	-0.04	0.19	-18.73	0.0	0.0	0.0
257	68	-0.05	0.20	-31.76	0.0	0.0	0.0
257	85	-0.02	-0.61	-14.39	0.0	0.0	0.0
257	97	-0.03	6.55e-03	-17.03	0.0	0.0	0.0
257	98	-0.04	0.01	-25.34	0.0	0.0	0.0
257	104	-0.02	-0.12	-16.50	0.0	0.0	0.0
257	106	-0.03	6.55e-03	-17.03	0.0	0.0	0.0
257	107	-0.03	0.01	-24.15	0.0	0.0	0.0
257	108	10.16	-9.78e-03	83.32	0.0	0.0	0.0
257	113	10.08	0.04	111.16	0.0	0.0	0.0
257	114	-10.15	-0.02	-159.47	0.0	0.0	0.0
257	140	11.45	-0.01	96.92	0.0	0.0	0.0
257	145	11.37	0.04	128.36	0.0	0.0	0.0
257	146	-11.43	-0.02	-176.67	0.0	0.0	0.0
257	172	11.50	-0.01	97.26	0.0	0.0	0.0
257	177	11.42	0.04	129.12	0.0	0.0	0.0
257	178	-11.49	-0.02	-177.43	0.0	0.0	0.0
257	204	13.55	-0.02	118.71	0.0	0.0	0.0
257	217	13.74	0.05	158.13	0.0	0.0	0.0
257	218	-13.81	-0.02	-206.44	0.0	0.0	0.0
260	1	0.03	4.70	-90.65	0.0	0.0	0.0
260	4	0.08	7.16	-158.64	0.0	0.0	0.0
260	45	0.02	-3.19	-33.33	0.0	0.0	0.0
260	65	0.02	3.31	-65.69	0.0	0.0	0.0
260	68	0.06	4.95	-111.02	0.0	0.0	0.0
260	85	0.03	-1.39	-43.93	0.0	0.0	0.0

260	97	0.03	1.96	-57.80	0.0	0.0	0.0
260	98	0.06	3.00	-86.69	0.0	0.0	0.0
260	104	0.03	1.29	-55.03	0.0	0.0	0.0
260	106	0.03	1.96	-57.80	0.0	0.0	0.0
260	107	0.05	2.86	-82.56	0.0	0.0	0.0
260	108	19.86	7.40	-146.15	0.0	0.0	0.0
260	136	13.92	11.38	-213.60	0.0	0.0	0.0
260	139	-13.81	-5.67	48.47	0.0	0.0	0.0
260	140	22.37	7.97	-154.12	0.0	0.0	0.0
260	168	15.74	12.45	-230.05	0.0	0.0	0.0
260	171	-15.63	-6.74	64.93	0.0	0.0	0.0
260	172	22.47	7.91	-152.90	0.0	0.0	0.0
260	200	16.20	12.38	-228.69	0.0	0.0	0.0
260	203	-16.09	-6.67	63.57	0.0	0.0	0.0
260	204	26.46	8.75	-164.41	0.0	0.0	0.0
260	232	19.42	13.98	-253.14	0.0	0.0	0.0
260	235	-19.32	-8.27	88.02	0.0	0.0	0.0
268	1	0.08	0.28	-26.03	0.0	0.0	0.0
268	4	0.16	0.30	-46.21	0.0	0.0	0.0
268	45	0.03	-0.92	-12.22	0.0	0.0	0.0
268	65	0.06	0.19	-18.94	0.0	0.0	0.0
268	68	0.11	0.20	-32.39	0.0	0.0	0.0
268	85	0.04	-0.61	-14.66	0.0	0.0	0.0
268	97	0.06	6.45e-03	-17.37	0.0	0.0	0.0
268	98	0.09	0.01	-25.95	0.0	0.0	0.0
268	104	0.05	-0.12	-16.83	0.0	0.0	0.0
268	106	0.06	6.45e-03	-17.37	0.0	0.0	0.0
268	107	0.09	0.01	-24.73	0.0	0.0	0.0
268	108	10.34	-0.06	-169.19	0.0	0.0	0.0
268	111	-10.17	0.08	119.73	0.0	0.0	0.0
268	140	11.65	-0.07	-187.55	0.0	0.0	0.0
268	143	-11.48	0.09	138.09	0.0	0.0	0.0
268	172	11.70	-0.06	-188.43	0.0	0.0	0.0
268	175	-11.53	0.09	138.97	0.0	0.0	0.0
268	204	13.77	-0.08	-217.68	0.0	0.0	0.0
268	212	14.07	-0.08	-221.83	0.0	0.0	0.0
268	215	-13.90	0.11	172.37	0.0	0.0	0.0
281	1	-0.04	0.27	-25.76	0.0	0.0	0.0
281	4	-0.06	0.27	-45.61	0.0	0.0	0.0
281	45	-0.01	-0.94	-12.17	0.0	0.0	0.0
281	65	-0.03	0.18	-18.74	0.0	0.0	0.0
281	68	-0.04	0.18	-31.97	0.0	0.0	0.0
281	85	-0.02	-0.63	-14.53	0.0	0.0	0.0
281	97	-0.02	-6.27e-03	-17.07	0.0	0.0	0.0
281	98	-0.03	-7.73e-03	-25.51	0.0	0.0	0.0
281	104	-0.02	-0.13	-16.56	0.0	0.0	0.0
281	106	-0.02	-6.27e-03	-17.07	0.0	0.0	0.0
281	107	-0.03	-7.52e-03	-24.30	0.0	0.0	0.0
281	108	10.27	0.01	90.72	0.0	0.0	0.0
281	113	10.20	0.01	119.93	0.0	0.0	0.0
281	114	-10.25	-0.03	-168.53	0.0	0.0	0.0
281	140	11.58	0.01	105.27	0.0	0.0	0.0
281	145	11.50	0.02	138.26	0.0	0.0	0.0
281	146	-11.55	-0.03	-186.87	0.0	0.0	0.0
281	172	11.63	0.01	105.64	0.0	0.0	0.0
281	177	11.55	0.02	139.13	0.0	0.0	0.0
281	178	-11.61	-0.03	-187.74	0.0	0.0	0.0
281	204	13.70	0.02	128.61	0.0	0.0	0.0
281	217	13.92	0.02	172.56	0.0	0.0	0.0
281	218	-13.97	-0.04	-221.16	0.0	0.0	0.0
284	1	0.05	4.56	-90.68	0.0	0.0	0.0
284	4	0.11	6.84	-159.38	0.0	0.0	0.0
284	45	0.02	-3.46	-33.36	0.0	0.0	0.0
284	65	0.03	3.20	-65.68	0.0	0.0	0.0
284	68	0.08	4.72	-111.48	0.0	0.0	0.0
284	85	0.03	-1.63	-43.97	0.0	0.0	0.0
284	97	0.04	1.80	-57.76	0.0	0.0	0.0
284	98	0.07	2.77	-86.94	0.0	0.0	0.0
284	104	0.04	1.12	-55.00	0.0	0.0	0.0
284	106	0.04	1.80	-57.76	0.0	0.0	0.0
284	107	0.07	2.63	-82.77	0.0	0.0	0.0
284	108	19.87	2.75	-91.20	0.0	0.0	0.0
284	129	13.74	-6.59	48.42	0.0	0.0	0.0
284	130	-13.61	11.86	-213.97	0.0	0.0	0.0
284	140	22.38	2.76	-92.23	0.0	0.0	0.0

284	161	15.54	-7.75	64.88	0.0	0.0	0.0
284	162	-15.40	13.02	-230.43	0.0	0.0	0.0
284	172	22.48	2.75	-92.39	0.0	0.0	0.0
284	193	15.99	-7.67	63.42	0.0	0.0	0.0
284	194	-15.86	12.93	-228.96	0.0	0.0	0.0
284	204	26.47	2.75	-93.97	0.0	0.0	0.0
284	225	19.17	-9.40	87.83	0.0	0.0	0.0
284	226	-19.04	14.67	-253.37	0.0	0.0	0.0
292	1	0.09	0.27	-26.27	0.0	0.0	0.0
292	4	0.17	0.27	-46.84	0.0	0.0	0.0
292	45	0.03	-0.94	-12.39	0.0	0.0	0.0
292	65	0.06	0.18	-19.11	0.0	0.0	0.0
292	68	0.12	0.18	-32.82	0.0	0.0	0.0
292	85	0.05	-0.63	-14.85	0.0	0.0	0.0
292	97	0.06	-6.61e-03	-17.54	0.0	0.0	0.0
292	98	0.10	-8.24e-03	-26.28	0.0	0.0	0.0
292	104	0.06	-0.13	-17.00	0.0	0.0	0.0
292	106	0.06	-6.61e-03	-17.54	0.0	0.0	0.0
292	107	0.09	-8.01e-03	-25.03	0.0	0.0	0.0
292	108	10.24	-0.04	-160.49	0.0	0.0	0.0
292	111	-10.06	0.02	110.43	0.0	0.0	0.0
292	140	11.53	-0.04	-177.71	0.0	0.0	0.0
292	143	-11.34	0.02	127.64	0.0	0.0	0.0
292	172	11.58	-0.04	-178.48	0.0	0.0	0.0
292	175	-11.40	0.02	128.42	0.0	0.0	0.0
292	204	13.63	-0.04	-205.86	0.0	0.0	0.0
292	212	13.91	-0.04	-207.46	0.0	0.0	0.0
292	215	-13.72	0.03	157.40	0.0	0.0	0.0
308	1	-3.46e-05	0.72	-40.74	0.0	0.0	0.0
308	4	5.80e-05	0.53	-65.87	0.0	0.0	0.0
308	45	1.74e-06	-1.74	-5.15	0.0	0.0	0.0
308	65	-2.55e-05	0.46	-29.29	0.0	0.0	0.0
308	68	3.62e-05	0.34	-46.04	0.0	0.0	0.0
308	85	5.37e-06	-1.22	-11.92	0.0	0.0	0.0
308	97	3.73e-06	-0.17	-22.74	0.0	0.0	0.0
308	103	2.97e-05	-0.03	-34.08	0.0	0.0	0.0
308	104	4.06e-06	-0.38	-20.57	0.0	0.0	0.0
308	106	3.73e-06	-0.17	-22.74	0.0	0.0	0.0
308	107	3.95e-05	-0.24	-31.90	0.0	0.0	0.0
308	108	0.07	-5.55	3.70	0.0	0.0	0.0
308	129	0.06	-12.59	101.47	0.0	0.0	0.0
308	130	-0.06	12.11	-165.27	0.0	0.0	0.0
308	140	0.08	-6.23	8.20	0.0	0.0	0.0
308	161	0.06	-14.17	118.35	0.0	0.0	0.0
308	162	-0.06	13.68	-182.15	0.0	0.0	0.0
308	172	0.08	-6.19	7.12	0.0	0.0	0.0
308	193	0.06	-14.22	117.96	0.0	0.0	0.0
308	194	-0.06	13.74	-181.77	0.0	0.0	0.0
308	204	0.09	-7.23	13.53	0.0	0.0	0.0
308	225	0.07	-16.72	144.03	0.0	0.0	0.0
308	226	-0.07	16.24	-207.83	0.0	0.0	0.0
322	1	-8.96e-04	-0.60	-55.01	0.0	0.0	0.0
322	4	-2.73e-03	-2.68	-101.87	0.0	0.0	0.0
322	45	-6.42e-04	-5.70	-30.31	0.0	0.0	0.0
322	65	-6.75e-04	-0.57	-40.07	0.0	0.0	0.0
322	68	-1.90e-03	-1.95	-71.31	0.0	0.0	0.0
322	85	-8.36e-04	-4.49	-34.52	0.0	0.0	0.0
322	97	-1.04e-03	-1.84	-37.96	0.0	0.0	0.0
322	98	-1.84e-03	-2.72	-57.83	0.0	0.0	0.0
322	104	-9.99e-04	-2.37	-37.27	0.0	0.0	0.0
322	106	-1.04e-03	-1.84	-37.96	0.0	0.0	0.0
322	107	-1.72e-03	-2.59	-55.00	0.0	0.0	0.0
322	108	-0.62	6.82	-76.08	0.0	0.0	0.0
322	136	-0.44	15.08	-100.62	0.0	0.0	0.0
322	139	0.43	-20.27	-9.37	0.0	0.0	0.0
322	140	-0.70	8.00	-78.71	0.0	0.0	0.0
322	168	-0.49	17.31	-106.33	0.0	0.0	0.0
322	171	0.49	-22.49	-3.66	0.0	0.0	0.0
322	172	-0.71	7.87	-78.18	0.0	0.0	0.0
322	200	-0.51	17.15	-105.78	0.0	0.0	0.0
322	203	0.50	-22.34	-4.21	0.0	0.0	0.0
322	204	-0.83	9.61	-81.93	0.0	0.0	0.0
322	232	-0.61	20.48	-114.23	0.0	0.0	0.0
322	235	0.61	-25.67	4.24	0.0	0.0	0.0
327	1	-5.22e-04	2.54	-61.86	0.0	0.0	0.0

327	4	-1.40e-03	2.90	-117.45	0.0	0.0	0.0
327	45	-3.25e-04	-4.62	-36.71	0.0	0.0	0.0
327	65	-3.91e-04	1.70	-45.10	0.0	0.0	0.0
327	68	-9.77e-04	1.94	-82.16	0.0	0.0	0.0
327	85	-4.27e-04	-3.01	-40.92	0.0	0.0	0.0
327	97	-5.44e-04	0.17	-43.51	0.0	0.0	0.0
327	98	-9.22e-04	0.32	-67.06	0.0	0.0	0.0
327	104	-5.20e-04	-0.46	-42.99	0.0	0.0	0.0
327	106	-5.44e-04	0.17	-43.51	0.0	0.0	0.0
327	107	-8.68e-04	0.30	-63.70	0.0	0.0	0.0
327	108	-0.20	9.80	-74.36	0.0	0.0	0.0
327	136	-0.14	18.14	-87.13	0.0	0.0	0.0
327	139	0.14	-17.53	-40.27	0.0	0.0	0.0
327	140	-0.23	10.99	-75.69	0.0	0.0	0.0
327	168	-0.16	20.38	-90.06	0.0	0.0	0.0
327	171	0.16	-19.77	-37.33	0.0	0.0	0.0
327	172	-0.23	10.86	-75.35	0.0	0.0	0.0
327	200	-0.16	20.22	-89.74	0.0	0.0	0.0
327	203	0.16	-19.61	-37.65	0.0	0.0	0.0
327	204	-0.27	12.62	-77.22	0.0	0.0	0.0
327	232	-0.20	23.58	-94.07	0.0	0.0	0.0
327	235	0.20	-22.97	-33.33	0.0	0.0	0.0
332	1	-2.84e-04	2.62	-54.97	0.0	0.0	0.0
332	4	-6.05e-04	3.03	-107.11	0.0	0.0	0.0
332	45	-1.36e-04	-4.65	-34.90	0.0	0.0	0.0
332	65	-2.11e-04	1.76	-40.10	0.0	0.0	0.0
332	68	-4.25e-04	2.04	-74.86	0.0	0.0	0.0
332	85	-1.83e-04	-3.01	-38.20	0.0	0.0	0.0
332	97	-2.45e-04	0.22	-39.38	0.0	0.0	0.0
332	98	-3.81e-04	0.39	-61.44	0.0	0.0	0.0
332	104	-2.32e-04	-0.43	-39.14	0.0	0.0	0.0
332	106	-2.45e-04	0.22	-39.38	0.0	0.0	0.0
332	107	-3.62e-04	0.37	-58.29	0.0	0.0	0.0
332	108	0.08	9.87	-63.48	0.0	0.0	0.0
332	132	-7.99e-03	18.19	-69.40	0.0	0.0	0.0
332	135	7.27e-03	-17.46	-47.18	0.0	0.0	0.0
332	140	0.09	11.06	-64.12	0.0	0.0	0.0
332	164	-8.84e-03	20.43	-70.78	0.0	0.0	0.0
332	167	8.11e-03	-19.69	-45.80	0.0	0.0	0.0
332	172	0.08	10.93	-63.92	0.0	0.0	0.0
332	200	-4.71e-03	20.30	-70.61	0.0	0.0	0.0
332	203	3.99e-03	-19.57	-45.97	0.0	0.0	0.0
332	204	0.10	12.68	-64.82	0.0	0.0	0.0
332	232	-5.81e-03	23.66	-72.65	0.0	0.0	0.0
332	235	5.08e-03	-22.93	-43.92	0.0	0.0	0.0
337	1	-1.30e-04	2.65	-54.28	0.0	0.0	0.0
337	4	-1.89e-04	3.09	-107.76	0.0	0.0	0.0
337	45	-3.86e-05	-4.61	-36.18	0.0	0.0	0.0
337	65	-9.55e-05	1.78	-39.61	0.0	0.0	0.0
337	68	-1.35e-04	2.08	-75.26	0.0	0.0	0.0
337	85	-5.62e-05	-2.98	-39.09	0.0	0.0	0.0
337	97	-8.48e-05	0.25	-39.43	0.0	0.0	0.0
337	98	-1.08e-04	0.43	-62.04	0.0	0.0	0.0
337	104	-7.91e-05	-0.40	-39.36	0.0	0.0	0.0
337	106	-8.48e-05	0.25	-39.43	0.0	0.0	0.0
337	107	-1.05e-04	0.40	-58.81	0.0	0.0	0.0
337	108	0.11	9.89	-60.18	0.0	0.0	0.0
337	132	-0.01	18.21	-60.82	0.0	0.0	0.0
337	135	9.94e-03	-17.40	-56.80	0.0	0.0	0.0
337	140	0.12	11.09	-60.33	0.0	0.0	0.0
337	164	-0.01	20.44	-61.06	0.0	0.0	0.0
337	167	0.01	-19.64	-56.55	0.0	0.0	0.0
337	172	0.11	10.95	-60.20	0.0	0.0	0.0
337	196	-0.01	20.24	-60.97	0.0	0.0	0.0
337	199	0.01	-19.43	-56.64	0.0	0.0	0.0
337	204	0.12	12.71	-60.41	0.0	0.0	0.0
337	228	-0.01	23.53	-61.32	0.0	0.0	0.0
337	231	0.01	-22.72	-56.29	0.0	0.0	0.0
342	1	3.89e-05	2.84	-60.66	0.0	0.0	0.0
342	19	-3.25e-05	4.34	-40.50	0.0	0.0	0.0
342	28	2.43e-04	-2.18	-123.54	0.0	0.0	0.0
342	65	3.00e-05	1.92	-44.31	0.0	0.0	0.0
342	72	5.48e-06	3.01	-44.02	0.0	0.0	0.0
342	80	1.66e-04	-1.43	-86.23	0.0	0.0	0.0
342	97	6.68e-05	0.29	-44.76	0.0	0.0	0.0

342	98	1.31e-04	0.50	-70.80	0.0	0.0	0.0
342	102	5.45e-05	0.83	-44.61	0.0	0.0	0.0
342	106	6.68e-05	0.29	-44.76	0.0	0.0	0.0
342	107	1.22e-04	0.47	-67.08	0.0	0.0	0.0
342	108	0.14	10.60	-66.72	0.0	0.0	0.0
342	133	-0.01	-15.45	-74.11	0.0	0.0	0.0
342	134	0.01	16.39	-60.05	0.0	0.0	0.0
342	140	0.15	11.87	-66.67	0.0	0.0	0.0
342	165	-0.01	-17.45	-74.99	0.0	0.0	0.0
342	166	0.01	18.38	-59.17	0.0	0.0	0.0
342	172	0.15	11.73	-66.62	0.0	0.0	0.0
342	200	0.11	21.73	-59.28	0.0	0.0	0.0
342	203	-0.11	-20.79	-74.88	0.0	0.0	0.0
342	204	0.17	13.61	-66.52	0.0	0.0	0.0
342	232	0.13	25.31	-58.00	0.0	0.0	0.0
342	235	-0.13	-24.38	-76.16	0.0	0.0	0.0
361	1	-4.63e-04	0.38	-57.66	0.0	0.0	0.0
361	4	-7.50e-04	-0.03	-106.63	0.0	0.0	0.0
361	45	-2.25e-04	-1.72	-29.73	0.0	0.0	0.0
361	65	-3.38e-04	0.22	-42.00	0.0	0.0	0.0
361	68	-5.29e-04	-0.05	-74.65	0.0	0.0	0.0
361	85	-2.57e-04	-1.27	-34.59	0.0	0.0	0.0
361	97	-2.93e-04	-0.33	-39.29	0.0	0.0	0.0
361	98	-4.14e-04	-0.50	-59.77	0.0	0.0	0.0
361	104	-2.86e-04	-0.52	-38.35	0.0	0.0	0.0
361	106	-2.93e-04	-0.33	-39.29	0.0	0.0	0.0
361	107	-3.97e-04	-0.48	-56.85	0.0	0.0	0.0
361	108	0.07	3.99	-81.43	0.0	0.0	0.0
361	124	7.03e-04	7.64	-92.89	0.0	0.0	0.0
361	127	-1.50e-03	-8.60	-20.80	0.0	0.0	0.0
361	140	0.08	4.55	-84.52	0.0	0.0	0.0
361	156	8.85e-04	8.65	-97.37	0.0	0.0	0.0
361	159	-1.68e-03	-9.61	-16.33	0.0	0.0	0.0
361	172	0.07	4.48	-84.34	0.0	0.0	0.0
361	188	6.52e-04	8.49	-96.59	0.0	0.0	0.0
361	191	-1.44e-03	-9.44	-17.10	0.0	0.0	0.0
361	204	0.08	5.31	-89.04	0.0	0.0	0.0
361	224	-3.20e-03	10.00	-103.09	0.0	0.0	0.0
361	227	2.41e-03	-10.96	-10.60	0.0	0.0	0.0
364	1	0.0	0.84	-96.16	0.0	0.0	0.0
364	19	-3.71e-05	2.49	-65.40	0.0	0.0	0.0
364	28	1.07e-04	-4.06	-185.68	0.0	0.0	0.0
364	65	2.02e-06	0.49	-70.55	0.0	0.0	0.0
364	72	-1.43e-05	1.35	-70.27	0.0	0.0	0.0
364	80	7.35e-05	-2.78	-130.23	0.0	0.0	0.0
364	97	2.65e-05	-0.81	-70.95	0.0	0.0	0.0
364	98	3.04e-05	-1.21	-108.03	0.0	0.0	0.0
364	102	1.83e-05	-0.37	-70.82	0.0	0.0	0.0
364	106	2.65e-05	-0.81	-70.95	0.0	0.0	0.0
364	107	2.98e-05	-1.16	-102.73	0.0	0.0	0.0
364	108	0.14	9.14	-105.97	0.0	0.0	0.0
364	133	0.08	-17.77	-129.69	0.0	0.0	0.0
364	134	-0.08	15.45	-75.78	0.0	0.0	0.0
364	140	0.15	10.43	-106.38	0.0	0.0	0.0
364	165	0.09	-19.85	-133.00	0.0	0.0	0.0
364	166	-0.09	17.53	-72.47	0.0	0.0	0.0
364	172	0.14	10.28	-106.27	0.0	0.0	0.0
364	197	0.08	-19.64	-132.16	0.0	0.0	0.0
364	198	-0.08	17.33	-73.31	0.0	0.0	0.0
364	204	0.16	12.18	-106.82	0.0	0.0	0.0
364	229	0.09	-22.68	-136.90	0.0	0.0	0.0
364	230	-0.09	20.37	-68.56	0.0	0.0	0.0
372	1	5.54e-04	0.97	-53.11	0.0	0.0	0.0
372	19	3.82e-04	2.70	-34.96	0.0	0.0	0.0
372	28	1.13e-03	-4.22	-108.09	0.0	0.0	0.0
372	65	4.01e-04	0.57	-38.99	0.0	0.0	0.0
372	72	4.06e-04	1.49	-38.36	0.0	0.0	0.0
372	80	7.82e-04	-2.88	-75.64	0.0	0.0	0.0
372	97	3.94e-04	-0.81	-39.94	0.0	0.0	0.0
372	98	6.38e-04	-1.22	-62.25	0.0	0.0	0.0
372	102	3.97e-04	-0.35	-39.63	0.0	0.0	0.0
372	106	3.94e-04	-0.81	-39.94	0.0	0.0	0.0
372	107	6.03e-04	-1.17	-59.06	0.0	0.0	0.0
372	108	0.15	9.97	-57.56	0.0	0.0	0.0
372	133	-1.96e-03	-19.13	-81.32	0.0	0.0	0.0

372	134	3.17e-03	16.79	-36.80	0.0	0.0	0.0
372	140	0.16	11.37	-57.37	0.0	0.0	0.0
372	165	-2.29e-03	-21.37	-84.09	0.0	0.0	0.0
372	166	3.49e-03	19.04	-34.03	0.0	0.0	0.0
372	172	0.15	11.21	-57.17	0.0	0.0	0.0
372	197	-3.07e-03	-21.15	-83.62	0.0	0.0	0.0
372	198	4.28e-03	18.82	-34.50	0.0	0.0	0.0
372	204	0.17	13.26	-56.74	0.0	0.0	0.0
372	229	-4.22e-03	-24.44	-87.58	0.0	0.0	0.0
372	230	5.42e-03	22.11	-30.54	0.0	0.0	0.0
377	1	1.01e-03	1.04	-25.43	0.0	0.0	0.0
377	19	7.23e-04	2.67	-16.72	0.0	0.0	0.0
377	28	1.98e-03	-3.83	-54.44	0.0	0.0	0.0
377	65	7.28e-04	0.63	-18.60	0.0	0.0	0.0
377	72	7.50e-04	1.52	-18.36	0.0	0.0	0.0
377	80	1.37e-03	-2.62	-37.94	0.0	0.0	0.0
377	97	6.94e-04	-0.70	-18.96	0.0	0.0	0.0
377	98	1.15e-03	-1.05	-31.38	0.0	0.0	0.0
377	102	7.05e-04	-0.25	-18.84	0.0	0.0	0.0
377	106	6.94e-04	-0.70	-18.96	0.0	0.0	0.0
377	107	1.08e-03	-1.00	-29.60	0.0	0.0	0.0
377	108	0.12	9.62	-29.79	0.0	0.0	0.0
377	133	-1.99e-03	-18.07	-35.23	0.0	0.0	0.0
377	134	4.16e-03	16.07	-23.98	0.0	0.0	0.0
377	140	0.14	10.95	-29.81	0.0	0.0	0.0
377	165	-2.41e-03	-20.21	-35.93	0.0	0.0	0.0
377	166	4.57e-03	18.21	-23.28	0.0	0.0	0.0
377	172	0.13	10.80	-29.66	0.0	0.0	0.0
377	197	-3.15e-03	-19.99	-35.79	0.0	0.0	0.0
377	198	5.32e-03	18.00	-23.42	0.0	0.0	0.0
377	204	0.15	12.76	-29.62	0.0	0.0	0.0
377	229	-4.32e-03	-23.12	-36.78	0.0	0.0	0.0
377	230	6.48e-03	21.12	-22.43	0.0	0.0	0.0
382	1	9.04e-04	1.14	-17.06	0.0	0.0	0.0
382	19	6.84e-04	2.74	-11.30	0.0	0.0	0.0
382	28	1.69e-03	-3.67	-38.06	0.0	0.0	0.0
382	65	6.50e-04	0.70	-12.42	0.0	0.0	0.0
382	72	6.86e-04	1.59	-12.34	0.0	0.0	0.0
382	80	1.17e-03	-2.51	-26.41	0.0	0.0	0.0
382	97	5.94e-04	-0.63	-12.53	0.0	0.0	0.0
382	98	1.01e-03	-0.95	-21.99	0.0	0.0	0.0
382	102	6.13e-04	-0.19	-12.49	0.0	0.0	0.0
382	106	5.94e-04	-0.63	-12.53	0.0	0.0	0.0
382	107	9.50e-04	-0.91	-20.64	0.0	0.0	0.0
382	108	0.12	9.72	-21.85	0.0	0.0	0.0
382	113	0.12	-1.18	-22.35	0.0	0.0	0.0
382	114	-0.12	-0.64	-18.93	0.0	0.0	0.0
382	140	0.14	11.06	-21.98	0.0	0.0	0.0
382	145	0.14	-1.21	-22.54	0.0	0.0	0.0
382	146	-0.14	-0.61	-18.73	0.0	0.0	0.0
382	172	0.13	10.90	-21.76	0.0	0.0	0.0
382	177	0.13	-1.18	-22.30	0.0	0.0	0.0
382	178	-0.13	-0.64	-18.97	0.0	0.0	0.0
382	204	0.15	12.86	-21.90	0.0	0.0	0.0
382	209	0.15	-1.18	-22.53	0.0	0.0	0.0
382	210	-0.15	-0.64	-18.74	0.0	0.0	0.0
387	1	-1.12e-03	1.22	-18.21	0.0	0.0	0.0
387	19	-6.98e-04	2.80	-12.11	0.0	0.0	0.0
387	28	-2.51e-03	-3.53	-40.42	0.0	0.0	0.0
387	65	-8.18e-04	0.76	-13.24	0.0	0.0	0.0
387	72	-7.95e-04	1.65	-13.19	0.0	0.0	0.0
387	80	-1.74e-03	-2.40	-28.05	0.0	0.0	0.0
387	97	-8.53e-04	-0.57	-13.31	0.0	0.0	0.0
387	98	-1.36e-03	-0.87	-23.32	0.0	0.0	0.0
387	102	-8.42e-04	-0.13	-13.29	0.0	0.0	0.0
387	106	-8.53e-04	-0.57	-13.31	0.0	0.0	0.0
387	107	-1.29e-03	-0.82	-21.89	0.0	0.0	0.0
387	108	0.10	9.83	-23.97	0.0	0.0	0.0
387	111	-0.10	-11.48	-19.81	0.0	0.0	0.0
387	140	0.11	11.17	-24.21	0.0	0.0	0.0
387	143	-0.11	-12.81	-19.57	0.0	0.0	0.0
387	172	0.10	11.01	-24.00	0.0	0.0	0.0
387	175	-0.11	-12.66	-19.77	0.0	0.0	0.0
387	204	0.12	12.98	-24.32	0.0	0.0	0.0
387	207	-0.12	-14.63	-19.46	0.0	0.0	0.0

392	1	-5.93e-03	2.45	-19.18	0.0	0.0	0.0
392	19	-4.06e-03	3.52	-12.69	0.0	0.0	0.0
392	28	-0.01	-0.62	-41.51	0.0	0.0	0.0
392	65	-4.29e-03	1.67	-13.98	0.0	0.0	0.0
392	72	-4.34e-03	2.50	-13.87	0.0	0.0	0.0
392	80	-8.49e-03	-0.38	-28.87	0.0	0.0	0.0
392	97	-4.22e-03	0.41	-14.15	0.0	0.0	0.0
392	98	-6.91e-03	0.74	-23.83	0.0	0.0	0.0
392	102	-4.24e-03	0.83	-14.09	0.0	0.0	0.0
392	106	-4.22e-03	0.41	-14.15	0.0	0.0	0.0
392	107	-6.53e-03	0.69	-22.44	0.0	0.0	0.0
392	108	0.05	11.29	-25.22	0.0	0.0	0.0
392	113	0.06	0.45	-26.70	0.0	0.0	0.0
392	114	-0.07	0.93	-18.19	0.0	0.0	0.0
392	140	0.06	12.62	-25.57	0.0	0.0	0.0
392	145	0.07	0.43	-27.22	0.0	0.0	0.0
392	146	-0.08	0.96	-17.67	0.0	0.0	0.0
392	172	0.05	12.47	-25.47	0.0	0.0	0.0
392	177	0.06	0.46	-27.00	0.0	0.0	0.0
392	178	-0.07	0.93	-17.89	0.0	0.0	0.0
392	204	0.06	14.42	-25.95	0.0	0.0	0.0
392	209	0.07	0.46	-27.71	0.0	0.0	0.0
392	210	-0.08	0.92	-17.18	0.0	0.0	0.0
418	1	-1.37e-03	-0.93	-55.76	0.0	0.0	0.0
418	4	-3.42e-03	-3.44	-103.97	0.0	0.0	0.0
418	45	-6.30e-04	-6.25	-31.13	0.0	0.0	0.0
418	65	-1.02e-03	-0.82	-40.61	0.0	0.0	0.0
418	68	-2.38e-03	-2.49	-72.76	0.0	0.0	0.0
418	85	-9.20e-04	-4.98	-35.32	0.0	0.0	0.0
418	97	-1.29e-03	-2.17	-38.58	0.0	0.0	0.0
418	98	-2.18e-03	-3.24	-59.02	0.0	0.0	0.0
418	104	-1.22e-03	-2.74	-37.93	0.0	0.0	0.0
418	106	-1.29e-03	-2.17	-38.58	0.0	0.0	0.0
418	107	-2.05e-03	-3.09	-56.10	0.0	0.0	0.0
418	108	-0.62	-2.84	-60.14	0.0	0.0	0.0
418	129	-0.43	-21.87	-11.80	0.0	0.0	0.0
418	130	0.43	15.68	-100.39	0.0	0.0	0.0
418	140	-0.70	-2.81	-60.65	0.0	0.0	0.0
418	161	-0.49	-24.22	-6.26	0.0	0.0	0.0
418	162	0.48	18.04	-105.93	0.0	0.0	0.0
418	172	-0.71	-2.84	-60.84	0.0	0.0	0.0
418	193	-0.50	-24.05	-6.87	0.0	0.0	0.0
418	194	0.50	17.87	-105.33	0.0	0.0	0.0
418	204	-0.83	-2.83	-61.70	0.0	0.0	0.0
418	225	-0.60	-27.58	1.29	0.0	0.0	0.0
418	226	0.60	21.40	-113.49	0.0	0.0	0.0
423	1	-5.37e-04	2.24	-63.36	0.0	0.0	0.0
423	4	-1.42e-03	2.21	-121.33	0.0	0.0	0.0
423	45	-2.95e-04	-5.16	-38.28	0.0	0.0	0.0
423	65	-4.01e-04	1.48	-46.18	0.0	0.0	0.0
423	68	-9.87e-04	1.46	-84.83	0.0	0.0	0.0
423	85	-4.06e-04	-3.49	-42.46	0.0	0.0	0.0
423	97	-5.41e-04	-0.15	-44.75	0.0	0.0	0.0
423	98	-9.21e-04	-0.16	-69.28	0.0	0.0	0.0
423	104	-5.14e-04	-0.82	-44.30	0.0	0.0	0.0
423	106	-5.41e-04	-0.15	-44.75	0.0	0.0	0.0
423	107	-8.67e-04	-0.16	-65.78	0.0	0.0	0.0
423	108	-0.20	0.10	-75.74	0.0	0.0	0.0
423	124	7.37e-03	15.77	-87.03	0.0	0.0	0.0
423	127	-9.10e-03	-16.09	-44.52	0.0	0.0	0.0
423	140	-0.23	0.12	-76.98	0.0	0.0	0.0
423	156	8.59e-03	17.76	-89.68	0.0	0.0	0.0
423	159	-0.01	-18.08	-41.87	0.0	0.0	0.0
423	172	-0.23	0.09	-76.58	0.0	0.0	0.0
423	188	9.76e-03	17.56	-89.29	0.0	0.0	0.0
423	191	-0.01	-17.88	-42.26	0.0	0.0	0.0
423	204	-0.27	0.10	-78.25	0.0	0.0	0.0
423	225	-0.20	-24.89	-38.44	0.0	0.0	0.0
423	226	0.20	24.57	-93.12	0.0	0.0	0.0
428	1	-7.11e-05	2.34	-57.50	0.0	0.0	0.0
428	4	-2.98e-04	2.38	-113.32	0.0	0.0	0.0
428	45	-9.89e-05	-5.18	-37.48	0.0	0.0	0.0
428	65	-5.57e-05	1.55	-41.94	0.0	0.0	0.0
428	68	-2.07e-04	1.57	-79.15	0.0	0.0	0.0
428	85	-1.13e-04	-3.49	-40.74	0.0	0.0	0.0

428	97	-1.18e-04	-0.09	-41.47	0.0	0.0	0.0
428	98	-2.17e-04	-0.08	-65.05	0.0	0.0	0.0
428	104	-1.17e-04	-0.77	-41.33	0.0	0.0	0.0
428	106	-1.18e-04	-0.09	-41.47	0.0	0.0	0.0
428	107	-2.03e-04	-0.08	-61.68	0.0	0.0	0.0
428	108	0.08	0.18	-66.17	0.0	0.0	0.0
428	124	0.05	15.88	-69.38	0.0	0.0	0.0
428	127	-0.05	-16.05	-53.98	0.0	0.0	0.0
428	140	0.09	0.21	-66.72	0.0	0.0	0.0
428	156	0.06	17.88	-70.34	0.0	0.0	0.0
428	159	-0.06	-18.05	-53.03	0.0	0.0	0.0
428	172	0.09	0.18	-66.46	0.0	0.0	0.0
428	188	0.05	17.67	-70.14	0.0	0.0	0.0
428	191	-0.05	-17.84	-53.23	0.0	0.0	0.0
428	204	0.10	0.18	-67.17	0.0	0.0	0.0
428	220	0.06	20.60	-71.50	0.0	0.0	0.0
428	223	-0.06	-20.76	-51.87	0.0	0.0	0.0
433	1	1.00e-04	2.41	-59.10	0.0	0.0	0.0
433	19	1.09e-04	4.06	-39.60	0.0	0.0	0.0
433	28	5.79e-05	-3.02	-120.13	0.0	0.0	0.0
433	65	7.18e-05	1.60	-43.13	0.0	0.0	0.0
433	72	8.90e-05	2.70	-42.93	0.0	0.0	0.0
433	80	4.36e-05	-2.02	-83.81	0.0	0.0	0.0
433	97	4.60e-05	-0.04	-43.42	0.0	0.0	0.0
433	98	5.79e-05	-3.86e-03	-68.79	0.0	0.0	0.0
433	102	5.46e-05	0.50	-43.32	0.0	0.0	0.0
433	106	4.60e-05	-0.04	-43.42	0.0	0.0	0.0
433	107	5.62e-05	-9.47e-03	-65.17	0.0	0.0	0.0
433	108	0.09	0.26	-67.84	0.0	0.0	0.0
433	133	0.06	-18.04	-71.74	0.0	0.0	0.0
433	134	-0.06	18.02	-58.60	0.0	0.0	0.0
433	140	0.10	0.29	-68.17	0.0	0.0	0.0
433	165	0.07	-20.29	-72.56	0.0	0.0	0.0
433	166	-0.07	20.27	-57.78	0.0	0.0	0.0
433	172	0.09	0.26	-68.13	0.0	0.0	0.0
433	197	0.06	-19.92	-72.43	0.0	0.0	0.0
433	198	-0.06	19.90	-57.91	0.0	0.0	0.0
433	204	0.11	0.26	-68.65	0.0	0.0	0.0
433	229	0.07	-23.12	-73.61	0.0	0.0	0.0
433	230	-0.07	23.10	-56.73	0.0	0.0	0.0
438	1	1.62e-04	2.72	-74.83	0.0	0.0	0.0
438	19	9.41e-05	4.43	-47.82	0.0	0.0	0.0
438	28	3.18e-04	-2.92	-160.35	0.0	0.0	0.0
438	65	1.19e-04	1.81	-54.69	0.0	0.0	0.0
438	72	1.12e-04	2.98	-53.46	0.0	0.0	0.0
438	80	2.23e-04	-1.94	-111.71	0.0	0.0	0.0
438	97	1.30e-04	0.06	-56.54	0.0	0.0	0.0
438	98	2.07e-04	0.17	-90.25	0.0	0.0	0.0
438	102	1.26e-04	0.64	-55.93	0.0	0.0	0.0
438	106	1.30e-04	0.06	-56.54	0.0	0.0	0.0
438	107	1.96e-04	0.15	-85.43	0.0	0.0	0.0
438	108	0.10	0.45	-88.78	0.0	0.0	0.0
438	133	-9.10e-03	-18.93	-114.42	0.0	0.0	0.0
438	134	9.49e-03	19.23	-56.45	0.0	0.0	0.0
438	140	0.11	0.48	-89.21	0.0	0.0	0.0
438	165	-0.01	-21.30	-118.03	0.0	0.0	0.0
438	166	0.01	21.61	-52.84	0.0	0.0	0.0
438	172	0.11	0.45	-89.31	0.0	0.0	0.0
438	197	-0.01	-20.91	-117.50	0.0	0.0	0.0
438	198	0.01	21.21	-53.36	0.0	0.0	0.0
438	204	0.12	0.46	-90.10	0.0	0.0	0.0
438	233	-8.89e-03	-24.50	-122.77	0.0	0.0	0.0
438	234	9.28e-03	24.80	-48.09	0.0	0.0	0.0
457	1	3.33e-05	0.36	-53.99	0.0	0.0	0.0
457	4	1.62e-04	-0.14	-105.48	0.0	0.0	0.0
457	45	-1.58e-05	-1.75	-26.94	0.0	0.0	0.0
457	65	2.25e-05	0.21	-39.10	0.0	0.0	0.0
457	68	1.08e-04	-0.12	-73.42	0.0	0.0	0.0
457	85	3.23e-06	-1.30	-31.86	0.0	0.0	0.0
457	97	3.01e-05	-0.35	-36.43	0.0	0.0	0.0
457	98	9.12e-05	-0.56	-58.06	0.0	0.0	0.0
457	104	2.47e-05	-0.54	-35.51	0.0	0.0	0.0
457	106	3.01e-05	-0.35	-36.43	0.0	0.0	0.0
457	107	8.25e-05	-0.53	-54.97	0.0	0.0	0.0
457	108	0.07	-0.42	-73.78	0.0	0.0	0.0

457	124	1.11e-03	6.75	-90.55	0.0	0.0	0.0
457	127	-9.42e-04	-7.82	-19.39	0.0	0.0	0.0
457	140	0.08	-0.41	-76.10	0.0	0.0	0.0
457	156	1.28e-03	7.67	-94.97	0.0	0.0	0.0
457	159	-1.11e-03	-8.73	-14.98	0.0	0.0	0.0
457	172	0.07	-0.43	-75.11	0.0	0.0	0.0
457	188	1.03e-03	7.57	-94.11	0.0	0.0	0.0
457	191	-8.69e-04	-8.63	-15.83	0.0	0.0	0.0
457	204	0.08	-0.43	-78.09	0.0	0.0	0.0
457	220	9.28e-04	8.91	-100.42	0.0	0.0	0.0
457	223	-7.63e-04	-9.97	-9.53	0.0	0.0	0.0
460	1	4.97e-04	0.82	-85.06	0.0	0.0	0.0
460	19	3.32e-04	2.51	-56.99	0.0	0.0	0.0
460	28	1.09e-03	-4.32	-174.70	0.0	0.0	0.0
460	65	3.60e-04	0.47	-62.01	0.0	0.0	0.0
460	72	3.60e-04	1.35	-61.79	0.0	0.0	0.0
460	80	7.53e-04	-2.95	-121.78	0.0	0.0	0.0
460	97	3.60e-04	-0.84	-62.35	0.0	0.0	0.0
460	98	6.12e-04	-1.33	-99.81	0.0	0.0	0.0
460	102	3.60e-04	-0.40	-62.24	0.0	0.0	0.0
460	106	3.60e-04	-0.84	-62.35	0.0	0.0	0.0
460	107	5.76e-04	-1.26	-94.46	0.0	0.0	0.0
460	108	0.14	-1.02	-110.07	0.0	0.0	0.0
460	133	0.08	-20.24	-125.48	0.0	0.0	0.0
460	134	-0.08	17.72	-63.44	0.0	0.0	0.0
460	140	0.15	-1.00	-112.05	0.0	0.0	0.0
460	165	0.09	-22.60	-129.32	0.0	0.0	0.0
460	166	-0.09	20.08	-59.60	0.0	0.0	0.0
460	172	0.14	-1.03	-112.01	0.0	0.0	0.0
460	197	0.08	-22.22	-128.58	0.0	0.0	0.0
460	198	-0.08	19.70	-60.33	0.0	0.0	0.0
460	204	0.16	-1.04	-115.08	0.0	0.0	0.0
460	229	0.09	-25.59	-134.14	0.0	0.0	0.0
460	230	-0.09	23.07	-54.78	0.0	0.0	0.0
468	1	9.39e-04	0.97	-45.04	0.0	0.0	0.0
468	19	6.10e-04	2.74	-29.19	0.0	0.0	0.0
468	28	2.09e-03	-4.43	-97.38	0.0	0.0	0.0
468	65	6.81e-04	0.57	-32.87	0.0	0.0	0.0
468	72	6.74e-04	1.51	-32.33	0.0	0.0	0.0
468	80	1.45e-03	-3.02	-67.76	0.0	0.0	0.0
468	97	6.90e-04	-0.83	-33.68	0.0	0.0	0.0
468	98	1.17e-03	-1.31	-55.23	0.0	0.0	0.0
468	102	6.87e-04	-0.36	-33.41	0.0	0.0	0.0
468	106	6.90e-04	-0.83	-33.68	0.0	0.0	0.0
468	107	1.10e-03	-1.25	-52.15	0.0	0.0	0.0
468	108	0.15	-0.97	-58.38	0.0	0.0	0.0
468	133	0.08	-21.71	-73.86	0.0	0.0	0.0
468	134	-0.08	19.22	-30.44	0.0	0.0	0.0
468	140	0.16	-0.94	-59.16	0.0	0.0	0.0
468	165	0.09	-24.26	-76.56	0.0	0.0	0.0
468	166	-0.09	21.77	-27.74	0.0	0.0	0.0
468	172	0.15	-0.98	-59.15	0.0	0.0	0.0
468	197	0.09	-23.84	-76.14	0.0	0.0	0.0
468	198	-0.08	21.35	-28.16	0.0	0.0	0.0
468	204	0.17	-0.98	-60.43	0.0	0.0	0.0
468	229	0.10	-27.48	-80.03	0.0	0.0	0.0
468	230	-0.10	24.99	-24.27	0.0	0.0	0.0
473	1	1.20e-03	1.04	-22.26	0.0	0.0	0.0
473	19	7.60e-04	2.71	-14.51	0.0	0.0	0.0
473	28	2.72e-03	-4.02	-49.76	0.0	0.0	0.0
473	65	8.66e-04	0.63	-16.21	0.0	0.0	0.0
473	72	8.52e-04	1.53	-16.01	0.0	0.0	0.0
473	80	1.88e-03	-2.74	-34.54	0.0	0.0	0.0
473	97	8.88e-04	-0.72	-16.50	0.0	0.0	0.0
473	98	1.51e-03	-1.13	-28.44	0.0	0.0	0.0
473	102	8.81e-04	-0.27	-16.40	0.0	0.0	0.0
473	106	8.88e-04	-0.72	-16.50	0.0	0.0	0.0
473	107	1.42e-03	-1.07	-26.73	0.0	0.0	0.0
473	108	0.12	-0.78	-28.46	0.0	0.0	0.0
473	133	-1.65e-03	-20.51	-31.51	0.0	0.0	0.0
473	134	4.50e-03	18.36	-21.96	0.0	0.0	0.0
473	140	0.14	-0.75	-28.66	0.0	0.0	0.0
473	165	-2.07e-03	-22.93	-32.09	0.0	0.0	0.0
473	166	4.91e-03	20.78	-21.37	0.0	0.0	0.0
473	172	0.13	-0.78	-28.51	0.0	0.0	0.0

473	197	-2.81e-03	-22.53	-31.96	0.0	0.0	0.0
473	198	5.66e-03	20.38	-21.51	0.0	0.0	0.0
473	204	0.14	-0.77	-28.80	0.0	0.0	0.0
473	229	-3.97e-03	-25.98	-32.80	0.0	0.0	0.0
473	230	6.82e-03	23.84	-20.67	0.0	0.0	0.0
478	1	6.38e-04	1.13	-16.08	0.0	0.0	0.0
478	19	3.81e-04	2.78	-10.64	0.0	0.0	0.0
478	28	1.54e-03	-3.87	-36.49	0.0	0.0	0.0
478	65	4.62e-04	0.70	-11.68	0.0	0.0	0.0
478	72	4.45e-04	1.60	-11.62	0.0	0.0	0.0
478	80	1.06e-03	-2.63	-25.28	0.0	0.0	0.0
478	97	4.87e-04	-0.65	-11.76	0.0	0.0	0.0
478	98	8.46e-04	-1.04	-21.04	0.0	0.0	0.0
478	102	4.79e-04	-0.20	-11.73	0.0	0.0	0.0
478	106	4.87e-04	-0.65	-11.76	0.0	0.0	0.0
478	107	7.94e-04	-0.98	-19.71	0.0	0.0	0.0
478	108	0.12	-0.66	-21.14	0.0	0.0	0.0
478	113	0.12	-11.66	-21.48	0.0	0.0	0.0
478	114	-0.12	9.69	-17.94	0.0	0.0	0.0
478	140	0.14	-0.63	-21.30	0.0	0.0	0.0
478	145	0.13	-13.00	-21.68	0.0	0.0	0.0
478	146	-0.13	11.03	-17.74	0.0	0.0	0.0
478	172	0.13	-0.66	-21.10	0.0	0.0	0.0
478	177	0.13	-12.85	-21.45	0.0	0.0	0.0
478	178	-0.12	10.88	-17.97	0.0	0.0	0.0
478	204	0.15	-0.65	-21.29	0.0	0.0	0.0
478	209	0.15	-14.82	-21.70	0.0	0.0	0.0
478	210	-0.14	12.85	-17.72	0.0	0.0	0.0
483	1	-2.74e-03	1.22	-18.63	0.0	0.0	0.0
483	19	-1.80e-03	2.84	-12.43	0.0	0.0	0.0
483	28	-6.05e-03	-3.71	-41.31	0.0	0.0	0.0
483	65	-1.98e-03	0.76	-13.54	0.0	0.0	0.0
483	72	-1.97e-03	1.67	-13.51	0.0	0.0	0.0
483	80	-4.19e-03	-2.52	-28.66	0.0	0.0	0.0
483	97	-2.00e-03	-0.59	-13.59	0.0	0.0	0.0
483	98	-3.39e-03	-0.94	-23.84	0.0	0.0	0.0
483	102	-1.99e-03	-0.14	-13.58	0.0	0.0	0.0
483	106	-2.00e-03	-0.59	-13.59	0.0	0.0	0.0
483	107	-3.19e-03	-0.89	-22.37	0.0	0.0	0.0
483	108	0.09	-0.55	-25.89	0.0	0.0	0.0
483	111	-0.10	-1.24	-18.85	0.0	0.0	0.0
483	140	0.11	-0.51	-26.33	0.0	0.0	0.0
483	143	-0.11	-1.28	-18.42	0.0	0.0	0.0
483	172	0.10	-0.54	-26.18	0.0	0.0	0.0
483	175	-0.11	-1.25	-18.56	0.0	0.0	0.0
483	204	0.11	-0.52	-26.79	0.0	0.0	0.0
483	207	-0.12	-1.27	-17.95	0.0	0.0	0.0
488	1	-9.96e-03	2.59	-20.57	0.0	0.0	0.0
488	19	-6.41e-03	3.65	-13.66	0.0	0.0	0.0
488	28	-0.02	-0.49	-44.32	0.0	0.0	0.0
488	65	-7.22e-03	1.77	-14.98	0.0	0.0	0.0
488	72	-7.13e-03	2.62	-14.89	0.0	0.0	0.0
488	80	-0.02	-0.28	-30.82	0.0	0.0	0.0
488	97	-7.36e-03	0.49	-15.12	0.0	0.0	0.0
488	98	-0.01	0.84	-25.45	0.0	0.0	0.0
488	102	-7.31e-03	0.92	-15.08	0.0	0.0	0.0
488	106	-7.36e-03	0.49	-15.12	0.0	0.0	0.0
488	107	-0.01	0.79	-23.97	0.0	0.0	0.0
488	108	0.05	1.16	-33.04	0.0	0.0	0.0
488	113	0.06	-9.76	-35.73	0.0	0.0	0.0
488	114	-0.08	11.34	-12.21	0.0	0.0	0.0
488	140	0.05	1.20	-34.19	0.0	0.0	0.0
488	145	0.07	-11.09	-37.22	0.0	0.0	0.0
488	146	-0.09	12.66	-10.73	0.0	0.0	0.0
488	172	0.05	1.18	-34.15	0.0	0.0	0.0
488	177	0.06	-10.93	-37.08	0.0	0.0	0.0
488	178	-0.08	12.51	-10.86	0.0	0.0	0.0
488	204	0.05	1.20	-35.89	0.0	0.0	0.0
488	209	0.07	-12.87	-39.32	0.0	0.0	0.0
488	210	-0.09	14.45	-8.63	0.0	0.0	0.0
493	1	-0.16	-0.71	-42.88	0.0	0.0	0.0
493	19	-0.10	0.51	-25.06	0.0	0.0	0.0
493	28	-0.35	-4.54	-98.95	0.0	0.0	0.0
493	65	-0.11	-0.58	-31.56	0.0	0.0	0.0
493	72	-0.11	-0.14	-29.74	0.0	0.0	0.0

493	80	-0.24	-3.14	-68.94	0.0	0.0	0.0
493	97	-0.11	-1.24	-34.28	0.0	0.0	0.0
493	98	-0.19	-2.03	-54.65	0.0	0.0	0.0
493	102	-0.11	-1.02	-33.38	0.0	0.0	0.0
493	106	-0.11	-1.24	-34.28	0.0	0.0	0.0
493	107	-0.18	-1.92	-51.74	0.0	0.0	0.0
493	108	12.38	-1.72	-92.19	0.0	0.0	0.0
493	113	12.35	-7.11	-113.23	0.0	0.0	0.0
493	114	-12.71	3.27	9.75	0.0	0.0	0.0
493	140	13.98	-1.70	-97.33	0.0	0.0	0.0
493	145	13.93	-7.76	-121.00	0.0	0.0	0.0
493	146	-14.30	3.92	17.52	0.0	0.0	0.0
493	172	13.98	-1.72	-97.43	0.0	0.0	0.0
493	177	13.93	-7.68	-120.81	0.0	0.0	0.0
493	178	-14.29	3.84	17.33	0.0	0.0	0.0
493	204	16.46	-1.70	-105.45	0.0	0.0	0.0
493	209	16.41	-8.64	-132.77	0.0	0.0	0.0
493	210	-16.77	4.80	29.29	0.0	0.0	0.0
522	1	-3.77e-04	1.53	-60.37	0.0	0.0	0.0
522	4	-5.50e-04	1.15	-103.43	0.0	0.0	0.0
522	45	-1.87e-04	-3.63	-22.98	0.0	0.0	0.0
522	65	-2.79e-04	0.99	-43.84	0.0	0.0	0.0
522	68	-3.95e-04	0.73	-72.55	0.0	0.0	0.0
522	85	-2.17e-04	-2.55	-29.70	0.0	0.0	0.0
522	97	-2.57e-04	-0.35	-38.51	0.0	0.0	0.0
522	98	-3.25e-04	-0.51	-56.81	0.0	0.0	0.0
522	104	-2.49e-04	-0.79	-36.75	0.0	0.0	0.0
522	106	-2.57e-04	-0.35	-38.51	0.0	0.0	0.0
522	107	-3.16e-04	-0.49	-54.19	0.0	0.0	0.0
522	108	0.11	-11.41	-35.39	0.0	0.0	0.0
522	129	0.09	-25.94	56.58	0.0	0.0	0.0
522	130	-0.09	24.97	-164.97	0.0	0.0	0.0
522	140	0.12	-12.80	-33.02	0.0	0.0	0.0
522	161	0.10	-29.18	70.52	0.0	0.0	0.0
522	162	-0.10	28.21	-178.90	0.0	0.0	0.0
522	172	0.11	-12.72	-34.49	0.0	0.0	0.0
522	193	0.09	-29.29	69.57	0.0	0.0	0.0
522	194	-0.09	28.32	-177.96	0.0	0.0	0.0
522	204	0.13	-14.85	-31.73	0.0	0.0	0.0
522	225	0.11	-34.44	90.66	0.0	0.0	0.0
522	226	-0.11	33.47	-199.05	0.0	0.0	0.0
527	1	-1.57e-04	1.60	-44.30	0.0	0.0	0.0
527	4	-2.54e-04	1.24	-78.56	0.0	0.0	0.0
527	45	-1.51e-04	-3.68	-22.41	0.0	0.0	0.0
527	65	-1.18e-04	1.04	-32.33	0.0	0.0	0.0
527	68	-1.83e-04	0.80	-55.17	0.0	0.0	0.0
527	85	-1.47e-04	-2.57	-26.14	0.0	0.0	0.0
527	97	-1.28e-04	-0.33	-30.00	0.0	0.0	0.0
527	98	-1.67e-04	-0.48	-44.53	0.0	0.0	0.0
527	104	-1.32e-04	-0.78	-29.23	0.0	0.0	0.0
527	106	-1.28e-04	-0.33	-30.00	0.0	0.0	0.0
527	107	-1.61e-04	-0.46	-42.46	0.0	0.0	0.0
527	108	0.13	-11.67	-71.92	0.0	0.0	0.0
527	129	-6.66e-04	-26.72	2.58	0.0	0.0	0.0
527	130	3.44e-04	25.80	-87.50	0.0	0.0	0.0
527	140	0.15	-13.10	-75.61	0.0	0.0	0.0
527	161	-9.98e-04	-30.06	8.23	0.0	0.0	0.0
527	162	6.76e-04	29.15	-93.14	0.0	0.0	0.0
527	172	0.14	-13.02	-74.61	0.0	0.0	0.0
527	193	-1.67e-03	-30.17	7.69	0.0	0.0	0.0
527	194	1.35e-03	29.26	-92.60	0.0	0.0	0.0
527	204	0.16	-15.20	-79.63	0.0	0.0	0.0
527	225	-1.62e-03	-35.48	16.12	0.0	0.0	0.0
527	226	1.30e-03	34.57	-101.04	0.0	0.0	0.0
532	1	5.29e-05	1.65	-36.27	0.0	0.0	0.0
532	4	3.59e-05	1.31	-65.81	0.0	0.0	0.0
532	45	-8.18e-05	-3.69	-20.82	0.0	0.0	0.0
532	65	3.66e-05	1.07	-26.53	0.0	0.0	0.0
532	68	2.52e-05	0.85	-46.23	0.0	0.0	0.0
532	85	-5.32e-05	-2.58	-23.35	0.0	0.0	0.0
532	97	5.60e-06	-0.31	-25.33	0.0	0.0	0.0
532	98	-1.22e-06	-0.45	-37.86	0.0	0.0	0.0
532	104	-6.16e-06	-0.76	-24.94	0.0	0.0	0.0
532	106	5.60e-06	-0.31	-25.33	0.0	0.0	0.0
532	107	0.0	-0.43	-36.07	0.0	0.0	0.0

532	108	0.13	-11.66	-50.59	0.0	0.0	0.0
532	129	-1.07e-03	-26.85	-14.29	0.0	0.0	0.0
532	130	1.07e-03	25.99	-57.84	0.0	0.0	0.0
532	140	0.15	-13.08	-52.41	0.0	0.0	0.0
532	161	-1.47e-03	-30.21	-11.56	0.0	0.0	0.0
532	162	1.47e-03	29.36	-60.57	0.0	0.0	0.0
532	172	0.14	-13.00	-51.93	0.0	0.0	0.0
532	193	-2.17e-03	-30.32	-11.81	0.0	0.0	0.0
532	194	2.16e-03	29.46	-60.32	0.0	0.0	0.0
532	204	0.16	-15.19	-54.42	0.0	0.0	0.0
532	225	-2.27e-03	-35.66	-7.72	0.0	0.0	0.0
532	226	2.27e-03	34.80	-64.41	0.0	0.0	0.0
537	1	2.17e-04	1.69	-31.80	0.0	0.0	0.0
537	4	2.70e-04	1.37	-58.75	0.0	0.0	0.0
537	45	2.93e-05	-3.70	-19.89	0.0	0.0	0.0
537	65	1.60e-04	1.10	-23.30	0.0	0.0	0.0
537	68	1.95e-04	0.89	-41.27	0.0	0.0	0.0
537	85	6.38e-05	-2.57	-21.76	0.0	0.0	0.0
537	97	1.27e-04	-0.29	-22.72	0.0	0.0	0.0
537	98	1.47e-04	-0.42	-34.14	0.0	0.0	0.0
537	104	1.14e-04	-0.74	-22.53	0.0	0.0	0.0
537	106	1.27e-04	-0.29	-22.72	0.0	0.0	0.0
537	107	1.44e-04	-0.40	-32.51	0.0	0.0	0.0
537	108	0.14	-11.67	-38.81	0.0	0.0	0.0
537	129	-1.45e-03	-26.99	-23.47	0.0	0.0	0.0
537	130	1.74e-03	26.18	-41.55	0.0	0.0	0.0
537	140	0.15	-13.09	-39.59	0.0	0.0	0.0
537	161	-1.92e-03	-30.37	-22.34	0.0	0.0	0.0
537	162	2.21e-03	29.57	-42.68	0.0	0.0	0.0
537	172	0.14	-13.01	-39.35	0.0	0.0	0.0
537	193	-2.63e-03	-30.48	-22.44	0.0	0.0	0.0
537	194	2.92e-03	29.67	-42.57	0.0	0.0	0.0
537	204	0.16	-15.20	-40.42	0.0	0.0	0.0
537	225	-2.89e-03	-35.85	-20.75	0.0	0.0	0.0
537	226	3.18e-03	35.04	-44.27	0.0	0.0	0.0
542	1	3.43e-04	1.72	-29.48	0.0	0.0	0.0
542	4	4.67e-04	1.42	-55.15	0.0	0.0	0.0
542	45	1.70e-04	-3.70	-19.68	0.0	0.0	0.0
542	65	2.55e-04	1.12	-21.64	0.0	0.0	0.0
542	68	3.38e-04	0.92	-38.75	0.0	0.0	0.0
542	85	1.97e-04	-2.57	-21.14	0.0	0.0	0.0
542	97	2.35e-04	-0.27	-21.45	0.0	0.0	0.0
542	98	2.83e-04	-0.40	-32.32	0.0	0.0	0.0
542	104	2.28e-04	-0.73	-21.39	0.0	0.0	0.0
542	106	2.35e-04	-0.27	-21.45	0.0	0.0	0.0
542	107	2.76e-04	-0.38	-30.76	0.0	0.0	0.0
542	108	0.14	-11.66	-29.64	0.0	0.0	0.0
542	125	-4.14e-03	-26.91	-28.48	0.0	0.0	0.0
542	126	4.69e-03	26.15	-33.05	0.0	0.0	0.0
542	140	0.16	-13.09	-29.51	0.0	0.0	0.0
542	157	-4.53e-03	-30.27	-28.20	0.0	0.0	0.0
542	158	5.08e-03	29.51	-33.33	0.0	0.0	0.0
542	172	0.14	-13.00	-29.69	0.0	0.0	0.0
542	189	-4.38e-03	-30.18	-28.28	0.0	0.0	0.0
542	190	4.94e-03	29.42	-33.25	0.0	0.0	0.0
542	204	0.17	-15.20	-29.54	0.0	0.0	0.0
542	221	-5.42e-03	-35.31	-27.87	0.0	0.0	0.0
542	222	5.98e-03	34.55	-33.66	0.0	0.0	0.0
547	1	4.30e-04	1.75	-28.60	0.0	0.0	0.0
547	19	3.15e-04	3.26	-19.55	0.0	0.0	0.0
547	28	6.27e-04	-2.72	-54.26	0.0	0.0	0.0
547	65	3.22e-04	1.14	-21.03	0.0	0.0	0.0
547	72	3.24e-04	2.08	-20.95	0.0	0.0	0.0
547	80	4.53e-04	-1.83	-38.13	0.0	0.0	0.0
547	97	3.19e-04	-0.26	-21.15	0.0	0.0	0.0
547	98	4.00e-04	-0.38	-31.84	0.0	0.0	0.0
547	102	3.20e-04	0.21	-21.11	0.0	0.0	0.0
547	106	3.19e-04	-0.26	-21.15	0.0	0.0	0.0
547	107	3.88e-04	-0.36	-30.31	0.0	0.0	0.0
547	108	0.12	-11.65	-27.87	0.0	0.0	0.0
547	124	-2.91e-03	15.64	-27.19	0.0	0.0	0.0
547	127	3.69e-03	-16.36	-33.43	0.0	0.0	0.0
547	140	0.13	-13.08	-27.59	0.0	0.0	0.0
547	156	-3.16e-03	17.67	-26.81	0.0	0.0	0.0
547	159	3.93e-03	-18.39	-33.81	0.0	0.0	0.0

547	172	0.12	-12.99	-27.83	0.0	0.0	0.0
547	188	-3.10e-03	17.64	-26.92	0.0	0.0	0.0
547	191	3.87e-03	-18.36	-33.70	0.0	0.0	0.0
547	204	0.14	-15.19	-27.46	0.0	0.0	0.0
547	220	-3.95e-03	20.72	-26.37	0.0	0.0	0.0
547	223	4.73e-03	-21.44	-34.25	0.0	0.0	0.0
552	1	4.49e-04	1.77	-28.76	0.0	0.0	0.0
552	19	3.07e-04	3.28	-19.21	0.0	0.0	0.0
552	28	7.69e-04	-2.69	-55.66	0.0	0.0	0.0
552	65	3.35e-04	1.16	-21.19	0.0	0.0	0.0
552	72	3.29e-04	2.10	-20.89	0.0	0.0	0.0
552	80	5.48e-04	-1.82	-39.12	0.0	0.0	0.0
552	97	3.44e-04	-0.24	-21.63	0.0	0.0	0.0
552	98	4.63e-04	-0.36	-32.41	0.0	0.0	0.0
552	102	3.41e-04	0.22	-21.48	0.0	0.0	0.0
552	106	3.44e-04	-0.24	-21.63	0.0	0.0	0.0
552	107	4.46e-04	-0.34	-30.87	0.0	0.0	0.0
552	108	0.12	-11.63	-25.08	0.0	0.0	0.0
552	129	0.08	-27.17	-39.43	0.0	0.0	0.0
552	130	-0.08	26.48	-22.30	0.0	0.0	0.0
552	140	0.13	-13.07	-24.37	0.0	0.0	0.0
552	161	0.09	-30.59	-40.50	0.0	0.0	0.0
552	162	-0.09	29.90	-21.23	0.0	0.0	0.0
552	172	0.12	-12.98	-24.66	0.0	0.0	0.0
552	193	0.08	-30.69	-40.37	0.0	0.0	0.0
552	194	-0.08	30.00	-21.36	0.0	0.0	0.0
552	204	0.14	-15.17	-23.72	0.0	0.0	0.0
552	225	0.09	-36.11	-41.97	0.0	0.0	0.0
552	226	-0.09	35.42	-19.77	0.0	0.0	0.0
557	1	3.76e-04	1.79	-29.75	0.0	0.0	0.0
557	19	2.43e-04	3.30	-19.32	0.0	0.0	0.0
557	28	7.71e-04	-2.67	-58.80	0.0	0.0	0.0
557	65	2.77e-04	1.17	-21.98	0.0	0.0	0.0
557	72	2.70e-04	2.11	-21.40	0.0	0.0	0.0
557	80	5.41e-04	-1.80	-41.34	0.0	0.0	0.0
557	97	2.88e-04	-0.23	-22.84	0.0	0.0	0.0
557	98	4.40e-04	-0.35	-33.95	0.0	0.0	0.0
557	102	2.85e-04	0.24	-22.55	0.0	0.0	0.0
557	106	2.88e-04	-0.23	-22.84	0.0	0.0	0.0
557	107	4.19e-04	-0.33	-32.36	0.0	0.0	0.0
557	108	0.12	-11.61	-20.68	0.0	0.0	0.0
557	129	0.08	-27.18	-49.82	0.0	0.0	0.0
557	130	-0.08	26.52	-14.91	0.0	0.0	0.0
557	140	0.14	-13.04	-19.23	0.0	0.0	0.0
557	161	0.09	-30.61	-52.00	0.0	0.0	0.0
557	162	-0.09	29.95	-12.72	0.0	0.0	0.0
557	172	0.12	-12.96	-19.71	0.0	0.0	0.0
557	193	0.08	-30.71	-51.77	0.0	0.0	0.0
557	194	-0.08	30.05	-12.96	0.0	0.0	0.0
557	204	0.14	-15.15	-17.76	0.0	0.0	0.0
557	225	0.09	-36.13	-55.03	0.0	0.0	0.0
557	226	-0.09	35.47	-9.69	0.0	0.0	0.0
562	1	2.37e-04	1.81	-31.36	0.0	0.0	0.0
562	19	1.34e-04	3.31	-19.60	0.0	0.0	0.0
562	28	6.64e-04	-2.66	-63.60	0.0	0.0	0.0
562	65	1.70e-04	1.18	-23.24	0.0	0.0	0.0
562	72	1.62e-04	2.12	-22.26	0.0	0.0	0.0
562	80	4.54e-04	-1.79	-44.74	0.0	0.0	0.0
562	97	1.81e-04	-0.23	-24.72	0.0	0.0	0.0
562	98	3.52e-04	-0.34	-36.36	0.0	0.0	0.0
562	102	1.77e-04	0.24	-24.23	0.0	0.0	0.0
562	106	1.81e-04	-0.23	-24.72	0.0	0.0	0.0
562	107	3.28e-04	-0.32	-34.69	0.0	0.0	0.0
562	108	0.15	-11.59	-12.60	0.0	0.0	0.0
562	129	-3.29e-03	-27.19	-67.39	0.0	0.0	0.0
562	130	3.94e-03	26.55	-2.00	0.0	0.0	0.0
562	140	0.17	-13.01	-9.84	0.0	0.0	0.0
562	161	-3.99e-03	-30.61	-71.49	0.0	0.0	0.0
562	162	4.64e-03	29.97	2.10	0.0	0.0	0.0
562	172	0.15	-12.93	-10.64	0.0	0.0	0.0
562	193	-4.69e-03	-30.71	-71.09	0.0	0.0	0.0
562	194	5.35e-03	30.07	1.71	0.0	0.0	0.0
562	204	0.17	-15.12	-6.88	0.0	0.0	0.0
562	225	-5.55e-03	-36.14	-77.24	0.0	0.0	0.0
562	226	6.21e-03	35.50	7.85	0.0	0.0	0.0

567	1	7.07e-05	1.47	-27.39	0.0	0.0	0.0
567	19	6.61e-06	2.70	-16.40	0.0	0.0	0.0
567	28	4.24e-04	-2.15	-57.26	0.0	0.0	0.0
567	65	4.65e-05	0.97	-20.38	0.0	0.0	0.0
567	72	3.49e-05	1.73	-19.17	0.0	0.0	0.0
567	80	2.82e-04	-1.45	-40.29	0.0	0.0	0.0
567	97	6.40e-05	-0.18	-22.19	0.0	0.0	0.0
567	98	1.99e-04	-0.27	-32.40	0.0	0.0	0.0
567	102	5.82e-05	0.20	-21.59	0.0	0.0	0.0
567	106	6.40e-05	-0.18	-22.19	0.0	0.0	0.0
567	107	1.80e-04	-0.25	-30.94	0.0	0.0	0.0
567	108	0.10	-9.39	-3.36	0.0	0.0	0.0
567	129	0.06	-22.12	-71.22	0.0	0.0	0.0
567	130	-0.06	21.61	9.34	0.0	0.0	0.0
567	140	0.11	-10.55	0.09	0.0	0.0	0.0
567	161	0.07	-24.90	-76.27	0.0	0.0	0.0
567	162	-0.07	24.39	14.40	0.0	0.0	0.0
567	172	0.10	-10.48	-0.79	0.0	0.0	0.0
567	193	0.06	-24.98	-75.84	0.0	0.0	0.0
567	194	-0.06	24.47	13.97	0.0	0.0	0.0
567	204	0.12	-12.25	3.97	0.0	0.0	0.0
567	225	0.07	-29.40	-83.45	0.0	0.0	0.0
567	226	-0.07	28.89	21.58	0.0	0.0	0.0
572	1	-1.79e-04	1.22	-16.65	0.0	0.0	0.0
572	19	-2.22e-04	2.28	-9.80	0.0	0.0	0.0
572	28	1.03e-04	-1.90	-35.82	0.0	0.0	0.0
572	65	-1.33e-04	0.80	-12.39	0.0	0.0	0.0
572	72	-1.70e-04	1.45	-11.59	0.0	0.0	0.0
572	80	5.56e-05	-1.28	-25.17	0.0	0.0	0.0
572	97	-7.62e-05	-0.18	-13.60	0.0	0.0	0.0
572	98	-2.06e-05	-0.26	-20.23	0.0	0.0	0.0
572	102	-9.50e-05	0.15	-13.19	0.0	0.0	0.0
572	106	-7.62e-05	-0.18	-13.60	0.0	0.0	0.0
572	107	-2.86e-05	-0.25	-19.28	0.0	0.0	0.0
572	108	0.09	-8.01	-23.73	0.0	0.0	0.0
572	129	0.05	-19.00	-44.97	0.0	0.0	0.0
572	130	-0.05	18.49	6.40	0.0	0.0	0.0
572	140	0.10	-8.99	-24.29	0.0	0.0	0.0
572	161	0.06	-21.38	-48.20	0.0	0.0	0.0
572	162	-0.06	20.88	9.63	0.0	0.0	0.0
572	172	0.09	-8.92	-23.89	0.0	0.0	0.0
572	193	0.05	-21.45	-47.94	0.0	0.0	0.0
572	194	-0.05	20.95	9.38	0.0	0.0	0.0
572	204	0.10	-10.43	-24.51	0.0	0.0	0.0
572	225	0.06	-25.23	-52.82	0.0	0.0	0.0
572	226	-0.06	24.73	14.25	0.0	0.0	0.0
577	1	-4.94e-04	1.81	-14.84	0.0	0.0	0.0
577	19	-5.72e-04	3.34	-9.14	0.0	0.0	0.0
577	28	-9.24e-05	-2.69	-31.96	0.0	0.0	0.0
577	65	-3.55e-04	1.19	-10.98	0.0	0.0	0.0
577	72	-4.53e-04	2.14	-10.48	0.0	0.0	0.0
577	80	-8.77e-05	-1.81	-22.40	0.0	0.0	0.0
577	97	-2.09e-04	-0.23	-11.74	0.0	0.0	0.0
577	98	-2.15e-04	-0.34	-18.31	0.0	0.0	0.0
577	102	-2.58e-04	0.24	-11.49	0.0	0.0	0.0
577	106	-2.09e-04	-0.23	-11.74	0.0	0.0	0.0
577	107	-2.14e-04	-0.33	-17.37	0.0	0.0	0.0
577	108	0.13	-11.56	-6.57	0.0	0.0	0.0
577	129	0.08	-27.53	-33.11	0.0	0.0	0.0
577	130	-0.08	26.87	-1.63	0.0	0.0	0.0
577	140	0.15	-12.99	-5.22	0.0	0.0	0.0
577	161	0.08	-30.99	-35.08	0.0	0.0	0.0
577	162	-0.09	30.34	0.34	0.0	0.0	0.0
577	172	0.13	-12.89	-5.59	0.0	0.0	0.0
577	193	0.08	-31.08	-34.92	0.0	0.0	0.0
577	194	-0.08	30.43	0.17	0.0	0.0	0.0
577	204	0.15	-15.07	-3.72	0.0	0.0	0.0
577	225	0.09	-36.57	-37.89	0.0	0.0	0.0
577	226	-0.09	35.92	3.15	0.0	0.0	0.0
582	1	-6.47e-04	1.86	-10.96	0.0	0.0	0.0
582	19	-7.35e-04	3.37	-7.18	0.0	0.0	0.0
582	28	-3.82e-04	-2.60	-23.39	0.0	0.0	0.0
582	65	-4.56e-04	1.22	-8.05	0.0	0.0	0.0
582	72	-5.87e-04	2.17	-7.90	0.0	0.0	0.0
582	80	-2.79e-04	-1.75	-16.33	0.0	0.0	0.0

582	97	-2.60e-04	-0.20	-8.26	0.0	0.0	0.0
582	98	-3.95e-04	-0.29	-13.65	0.0	0.0	0.0
582	102	-3.25e-04	0.27	-8.19	0.0	0.0	0.0
582	106	-2.60e-04	-0.20	-8.26	0.0	0.0	0.0
582	107	-3.75e-04	-0.28	-12.88	0.0	0.0	0.0
582	108	0.13	-11.44	-14.15	0.0	0.0	0.0
582	125	0.08	-27.22	-16.12	0.0	0.0	0.0
582	126	-0.08	26.67	-9.64	0.0	0.0	0.0
582	140	0.14	-12.86	-14.30	0.0	0.0	0.0
582	157	0.09	-30.63	-16.53	0.0	0.0	0.0
582	158	-0.09	30.08	-9.24	0.0	0.0	0.0
582	172	0.13	-12.76	-14.22	0.0	0.0	0.0
582	193	0.07	-30.94	-16.51	0.0	0.0	0.0
582	194	-0.08	30.38	-9.25	0.0	0.0	0.0
582	204	0.15	-14.92	-14.44	0.0	0.0	0.0
582	225	0.09	-36.40	-17.16	0.0	0.0	0.0
582	226	-0.09	35.85	-8.61	0.0	0.0	0.0
587	1	-1.06e-03	1.92	-13.39	0.0	0.0	0.0
587	19	-5.72e-04	3.41	-9.02	0.0	0.0	0.0
587	28	-2.92e-03	-2.49	-27.85	0.0	0.0	0.0
587	65	-7.72e-04	1.27	-9.81	0.0	0.0	0.0
587	72	-7.17e-04	2.21	-9.75	0.0	0.0	0.0
587	80	-2.01e-03	-1.68	-19.44	0.0	0.0	0.0
587	97	-8.55e-04	-0.16	-9.89	0.0	0.0	0.0
587	98	-1.56e-03	-0.23	-16.32	0.0	0.0	0.0
587	102	-8.27e-04	0.32	-9.86	0.0	0.0	0.0
587	106	-8.55e-04	-0.16	-9.89	0.0	0.0	0.0
587	107	-1.46e-03	-0.22	-15.40	0.0	0.0	0.0
587	108	0.11	-11.32	-23.31	0.0	0.0	0.0
587	111	-0.11	10.88	-7.49	0.0	0.0	0.0
587	140	0.12	-12.73	-24.31	0.0	0.0	0.0
587	143	-0.13	12.29	-6.49	0.0	0.0	0.0
587	172	0.11	-12.63	-24.17	0.0	0.0	0.0
587	175	-0.11	12.19	-6.64	0.0	0.0	0.0
587	204	0.13	-14.77	-25.62	0.0	0.0	0.0
587	207	-0.13	14.34	-5.18	0.0	0.0	0.0
592	1	-3.55e-03	3.01	-15.89	0.0	0.0	0.0
592	19	-4.78e-04	4.00	-10.69	0.0	0.0	0.0
592	28	-0.01	0.10	-32.37	0.0	0.0	0.0
592	65	-2.68e-03	2.07	-11.65	0.0	0.0	0.0
592	72	-1.84e-03	2.95	-11.57	0.0	0.0	0.0
592	80	-9.59e-03	0.14	-22.64	0.0	0.0	0.0
592	97	-3.93e-03	0.75	-11.77	0.0	0.0	0.0
592	98	-6.83e-03	1.20	-18.87	0.0	0.0	0.0
592	102	-3.51e-03	1.19	-11.73	0.0	0.0	0.0
592	106	-3.93e-03	0.75	-11.77	0.0	0.0	0.0
592	107	-6.42e-03	1.14	-17.86	0.0	0.0	0.0
592	108	0.07	-9.57	-51.83	0.0	0.0	0.0
592	109	0.06	-22.48	-60.83	0.0	0.0	0.0
592	110	-0.07	24.75	25.11	0.0	0.0	0.0
592	140	0.08	-10.93	-56.14	0.0	0.0	0.0
592	141	0.06	-25.47	-66.28	0.0	0.0	0.0
592	142	-0.08	27.74	30.56	0.0	0.0	0.0
592	172	0.07	-10.81	-55.99	0.0	0.0	0.0
592	173	0.05	-25.31	-66.05	0.0	0.0	0.0
592	174	-0.07	27.59	30.33	0.0	0.0	0.0
592	204	0.08	-12.88	-62.61	0.0	0.0	0.0
592	205	0.06	-29.86	-74.38	0.0	0.0	0.0
592	206	-0.07	32.13	38.66	0.0	0.0	0.0
597	1	-0.06	-0.13	-20.80	0.0	0.0	0.0
597	19	-7.22e-03	0.94	-10.51	0.0	0.0	0.0
597	28	-0.23	-3.35	-51.33	0.0	0.0	0.0
597	65	-0.05	-0.16	-15.52	0.0	0.0	0.0
597	72	-0.03	0.30	-13.80	0.0	0.0	0.0
597	80	-0.16	-2.31	-35.86	0.0	0.0	0.0
597	97	-0.07	-0.86	-18.08	0.0	0.0	0.0
597	98	-0.11	-1.35	-27.83	0.0	0.0	0.0
597	102	-0.06	-0.63	-17.23	0.0	0.0	0.0
597	106	-0.07	-0.86	-18.08	0.0	0.0	0.0
597	107	-0.11	-1.28	-26.44	0.0	0.0	0.0
597	108	9.02	-6.41	-142.71	0.0	0.0	0.0
597	113	7.20	-12.31	-174.44	0.0	0.0	0.0
597	114	-7.42	9.75	121.56	0.0	0.0	0.0
597	140	10.18	-7.06	-157.42	0.0	0.0	0.0
597	145	8.13	-13.70	-193.21	0.0	0.0	0.0

597	146	-8.34	11.13	140.33	0.0	0.0	0.0
597	172	10.17	-7.00	-157.54	0.0	0.0	0.0
597	177	8.12	-13.55	-193.51	0.0	0.0	0.0
597	178	-8.33	10.98	140.63	0.0	0.0	0.0
597	204	11.97	-7.98	-180.53	0.0	0.0	0.0
597	209	9.56	-15.60	-222.93	0.0	0.0	0.0
597	210	-9.77	13.04	170.05	0.0	0.0	0.0
651	1	1.75	0.34	-12.26	0.0	0.0	0.0
651	19	0.75	0.56	-6.19	0.0	0.0	0.0
651	28	4.51	-0.15	-27.92	0.0	0.0	0.0
651	65	1.32	0.23	-9.24	0.0	0.0	0.0
651	72	1.11	0.38	-8.14	0.0	0.0	0.0
651	80	3.16	-0.10	-19.68	0.0	0.0	0.0
651	97	1.63	6.49e-03	-10.88	0.0	0.0	0.0
651	98	2.39	8.59e-03	-15.41	0.0	0.0	0.0
651	102	1.53	0.08	-10.34	0.0	0.0	0.0
651	106	1.63	6.49e-03	-10.88	0.0	0.0	0.0
651	107	2.28	8.29e-03	-14.76	0.0	0.0	0.0
651	108	8.23	-7.62e-03	22.23	0.0	0.0	0.0
651	124	1.53	0.06	27.06	0.0	0.0	0.0
651	127	3.04	-0.04	-56.58	0.0	0.0	0.0
651	140	8.98	-9.77e-03	26.90	0.0	0.0	0.0
651	156	1.44	0.07	32.27	0.0	0.0	0.0
651	159	3.13	-0.05	-61.79	0.0	0.0	0.0
651	172	8.65	-0.01	26.83	0.0	0.0	0.0
651	192	0.82	0.06	31.58	0.0	0.0	0.0
651	195	3.75	-0.04	-61.10	0.0	0.0	0.0
651	204	9.59	-0.01	34.05	0.0	0.0	0.0
651	224	0.60	0.07	39.41	0.0	0.0	0.0
651	227	3.97	-0.05	-68.93	0.0	0.0	0.0
657	1	0.54	0.62	-6.62	0.0	0.0	0.0
657	19	0.23	1.04	-3.81	0.0	0.0	0.0
657	28	1.43	-0.31	-12.79	0.0	0.0	0.0
657	65	0.40	0.42	-5.02	0.0	0.0	0.0
657	72	0.34	0.69	-4.58	0.0	0.0	0.0
657	80	1.00	-0.21	-9.13	0.0	0.0	0.0
657	97	0.50	8.54e-04	-5.68	0.0	0.0	0.0
657	98	0.75	1.10e-03	-7.44	0.0	0.0	0.0
657	102	0.47	0.14	-5.46	0.0	0.0	0.0
657	106	0.50	8.54e-04	-5.68	0.0	0.0	0.0
657	107	0.72	1.06e-03	-7.19	0.0	0.0	0.0
657	108	8.72	-0.02	-13.92	0.0	0.0	0.0
657	113	8.98	-0.08	-16.73	0.0	0.0	0.0
657	114	-7.55	0.08	2.35	0.0	0.0	0.0
657	140	9.72	-0.02	-14.76	0.0	0.0	0.0
657	145	10.01	-0.09	-17.92	0.0	0.0	0.0
657	146	-8.58	0.09	3.54	0.0	0.0	0.0
657	172	9.31	-0.02	-14.33	0.0	0.0	0.0
657	177	9.61	-0.09	-17.35	0.0	0.0	0.0
657	178	-8.18	0.09	2.96	0.0	0.0	0.0
657	204	10.59	-0.02	-15.33	0.0	0.0	0.0
657	209	10.94	-0.10	-18.79	0.0	0.0	0.0
657	210	-9.51	0.10	4.40	0.0	0.0	0.0
661	1	0.32	0.54	-2.87	0.0	0.0	0.0
661	19	0.14	0.91	-2.00	0.0	0.0	0.0
661	28	0.88	-0.28	-4.08	0.0	0.0	0.0
661	65	0.24	0.36	-2.18	0.0	0.0	0.0
661	72	0.21	0.60	-2.12	0.0	0.0	0.0
661	80	0.61	-0.19	-2.99	0.0	0.0	0.0
661	97	0.30	-2.90e-03	-2.27	0.0	0.0	0.0
661	98	0.46	-3.80e-03	-2.66	0.0	0.0	0.0
661	102	0.28	0.12	-2.24	0.0	0.0	0.0
661	106	0.30	-2.90e-03	-2.27	0.0	0.0	0.0
661	107	0.44	-3.68e-03	-2.60	0.0	0.0	0.0
661	108	9.36	0.08	-29.08	0.0	0.0	0.0
661	113	9.61	0.01	-29.19	0.0	0.0	0.0
661	114	-8.74	-0.02	23.99	0.0	0.0	0.0
661	140	10.47	0.09	-32.39	0.0	0.0	0.0
661	145	10.75	0.02	-32.52	0.0	0.0	0.0
661	146	-9.88	-0.02	27.32	0.0	0.0	0.0
661	172	10.02	0.09	-31.17	0.0	0.0	0.0
661	177	10.31	0.02	-31.30	0.0	0.0	0.0
661	178	-9.44	-0.02	26.10	0.0	0.0	0.0
661	204	11.45	0.10	-35.48	0.0	0.0	0.0
661	209	11.79	0.02	-35.64	0.0	0.0	0.0

661	210	-10.92	-0.03	30.44	0.0	0.0	0.0
665	1	-0.89	1.06	-27.59	0.0	0.0	0.0
665	19	-0.41	1.57	-9.85	0.0	0.0	0.0
665	28	-2.16	-0.55	-76.47	0.0	0.0	0.0
665	65	-0.67	0.72	-20.96	0.0	0.0	0.0
665	72	-0.57	1.10	-16.74	0.0	0.0	0.0
665	80	-1.51	-0.35	-53.55	0.0	0.0	0.0
665	97	-0.81	0.15	-27.29	0.0	0.0	0.0
665	102	-0.76	0.34	-25.18	0.0	0.0	0.0
665	105	-1.16	-1.39e-03	-40.23	0.0	0.0	0.0
665	106	-0.81	0.15	-27.29	0.0	0.0	0.0
665	107	-1.12	0.19	-38.09	0.0	0.0	0.0
665	108	1.41	10.00	94.80	0.0	0.0	0.0
665	124	-1.33	10.14	105.86	0.0	0.0	0.0
665	127	-0.91	-9.76	-182.04	0.0	0.0	0.0
665	140	1.72	11.24	111.60	0.0	0.0	0.0
665	156	-1.35	11.38	123.81	0.0	0.0	0.0
665	159	-0.89	-11.00	-200.00	0.0	0.0	0.0
665	172	1.57	11.12	111.54	0.0	0.0	0.0
665	188	-1.31	11.14	121.51	0.0	0.0	0.0
665	191	-0.92	-10.76	-197.69	0.0	0.0	0.0
665	204	1.96	12.96	137.60	0.0	0.0	0.0
665	224	-1.66	13.16	147.99	0.0	0.0	0.0
665	227	-0.58	-12.78	-224.18	0.0	0.0	0.0
682	1	0.19	0.35	-1.31	0.0	0.0	0.0
682	8	0.30	0.35	-0.89	0.0	0.0	0.0
682	49	0.22	-3.82e-04	-1.32	0.0	0.0	0.0
682	65	0.14	0.23	-1.01	0.0	0.0	0.0
682	68	0.26	0.23	-0.93	0.0	0.0	0.0
682	89	0.16	-2.84e-04	-1.02	0.0	0.0	0.0
682	97	0.16	-2.84e-04	-1.02	0.0	0.0	0.0
682	98	0.24	-3.76e-04	-0.97	0.0	0.0	0.0
682	106	0.16	-2.84e-04	-1.02	0.0	0.0	0.0
682	107	0.23	-3.63e-04	-0.98	0.0	0.0	0.0
682	108	6.98	0.05	17.03	0.0	0.0	0.0
682	113	7.06	0.01	17.04	0.0	0.0	0.0
682	114	-6.61	-0.01	-18.99	0.0	0.0	0.0
682	140	7.82	0.05	19.29	0.0	0.0	0.0
682	145	7.92	0.01	19.29	0.0	0.0	0.0
682	146	-7.46	-0.01	-21.24	0.0	0.0	0.0
682	172	7.50	0.05	18.47	0.0	0.0	0.0
682	177	7.60	0.01	18.48	0.0	0.0	0.0
682	178	-7.14	-0.01	-20.43	0.0	0.0	0.0
682	204	8.59	0.06	21.42	0.0	0.0	0.0
682	209	8.71	0.02	21.43	0.0	0.0	0.0
682	210	-8.26	-0.02	-23.39	0.0	0.0	0.0
685	1	0.04	0.33	-1.44	0.0	0.0	0.0
685	4	0.10	0.33	-1.49	0.0	0.0	0.0
685	45	0.05	-0.28	-1.08	0.0	0.0	0.0
685	65	0.03	0.22	-1.10	0.0	0.0	0.0
685	68	0.07	0.22	-1.14	0.0	0.0	0.0
685	85	0.04	-0.18	-1.09	0.0	0.0	0.0
685	97	0.03	-9.05e-05	-1.09	0.0	0.0	0.0
685	103	0.05	0.07	-1.11	0.0	0.0	0.0
685	104	0.03	-0.04	-1.09	0.0	0.0	0.0
685	106	0.03	-9.05e-05	-1.09	0.0	0.0	0.0
685	107	0.05	-1.08e-04	-1.11	0.0	0.0	0.0
685	108	5.75	2.98e-03	-18.37	0.0	0.0	0.0
685	111	-5.65	-3.20e-03	16.15	0.0	0.0	0.0
685	140	6.47	3.26e-03	-20.53	0.0	0.0	0.0
685	143	-6.36	-3.48e-03	18.31	0.0	0.0	0.0
685	172	6.19	2.91e-03	-19.75	0.0	0.0	0.0
685	175	-6.09	-3.12e-03	17.53	0.0	0.0	0.0
685	204	7.12	3.50e-03	-22.58	0.0	0.0	0.0
685	207	-7.01	-3.72e-03	20.36	0.0	0.0	0.0
714	1	-0.10	-6.97e-03	-25.39	0.0	0.0	0.0
714	4	-0.26	-8.21e-03	-46.61	0.0	0.0	0.0
714	45	-0.16	3.98e-03	-16.32	0.0	0.0	0.0
714	65	-0.07	-4.89e-03	-18.64	0.0	0.0	0.0
714	68	-0.18	-5.71e-03	-32.79	0.0	0.0	0.0
714	85	-0.15	1.81e-03	-17.70	0.0	0.0	0.0
714	97	-0.10	-2.34e-03	-18.28	0.0	0.0	0.0
714	98	-0.17	-2.86e-03	-27.19	0.0	0.0	0.0
714	104	-0.11	-1.51e-03	-18.16	0.0	0.0	0.0
714	106	-0.10	-2.34e-03	-18.28	0.0	0.0	0.0

714	107	-0.16	-2.78e-03	-25.92	0.0	0.0	0.0
714	108	14.95	0.06	-79.43	0.0	0.0	0.0
714	111	-15.26	-0.06	27.59	0.0	0.0	0.0
714	140	16.86	0.07	-86.17	0.0	0.0	0.0
714	143	-17.18	-0.07	34.33	0.0	0.0	0.0
714	172	16.86	0.06	-85.19	0.0	0.0	0.0
714	175	-17.17	-0.07	33.35	0.0	0.0	0.0
714	204	19.85	0.08	-95.00	0.0	0.0	0.0
714	207	-20.16	-0.08	43.16	0.0	0.0	0.0
719	1	-0.08	-4.96e-03	-18.95	0.0	0.0	0.0
719	4	-0.20	-7.07e-03	-32.00	0.0	0.0	0.0
719	45	-0.11	-4.09e-04	-10.52	0.0	0.0	0.0
719	65	-0.06	-3.57e-03	-13.93	0.0	0.0	0.0
719	68	-0.14	-4.98e-03	-22.63	0.0	0.0	0.0
719	85	-0.10	-1.25e-03	-11.84	0.0	0.0	0.0
719	97	-0.07	-2.66e-03	-13.14	0.0	0.0	0.0
719	98	-0.12	-3.55e-03	-18.53	0.0	0.0	0.0
719	104	-0.08	-2.38e-03	-12.88	0.0	0.0	0.0
719	106	-0.07	-2.66e-03	-13.14	0.0	0.0	0.0
719	107	-0.12	-3.43e-03	-17.76	0.0	0.0	0.0
719	108	15.44	0.04	-42.38	0.0	0.0	0.0
719	124	-1.21	0.06	-45.12	0.0	0.0	0.0
719	127	0.97	-0.07	9.60	0.0	0.0	0.0
719	140	17.41	0.05	-45.46	0.0	0.0	0.0
719	156	-1.35	0.07	-48.53	0.0	0.0	0.0
719	159	1.11	-0.08	13.01	0.0	0.0	0.0
719	172	17.41	0.04	-44.45	0.0	0.0	0.0
719	188	-1.37	0.06	-47.87	0.0	0.0	0.0
719	191	1.13	-0.07	12.35	0.0	0.0	0.0
719	204	20.49	0.05	-48.52	0.0	0.0	0.0
719	220	-1.59	0.08	-52.66	0.0	0.0	0.0
719	223	1.36	-0.08	17.13	0.0	0.0	0.0
724	1	-0.06	-2.39e-03	-14.79	0.0	0.0	0.0
724	4	-0.16	-3.39e-03	-23.43	0.0	0.0	0.0
724	45	-0.08	-6.48e-04	-8.38	0.0	0.0	0.0
724	65	-0.05	-1.73e-03	-10.94	0.0	0.0	0.0
724	68	-0.11	-2.40e-03	-16.69	0.0	0.0	0.0
724	85	-0.07	-9.42e-04	-9.33	0.0	0.0	0.0
724	97	-0.05	-1.40e-03	-10.33	0.0	0.0	0.0
724	98	-0.09	-1.83e-03	-13.86	0.0	0.0	0.0
724	104	-0.06	-1.31e-03	-10.13	0.0	0.0	0.0
724	106	-0.05	-1.40e-03	-10.33	0.0	0.0	0.0
724	107	-0.09	-1.77e-03	-13.36	0.0	0.0	0.0
724	108	15.51	-0.02	-26.66	0.0	0.0	0.0
724	124	-1.19	0.06	-28.60	0.0	0.0	0.0
724	127	1.01	-0.06	1.88	0.0	0.0	0.0
724	140	17.49	-0.02	-28.32	0.0	0.0	0.0
724	156	-1.33	0.07	-30.49	0.0	0.0	0.0
724	159	1.16	-0.07	3.78	0.0	0.0	0.0
724	172	17.48	-0.02	-27.75	0.0	0.0	0.0
724	188	-1.35	0.06	-30.12	0.0	0.0	0.0
724	191	1.17	-0.07	3.41	0.0	0.0	0.0
724	204	20.57	-0.02	-29.93	0.0	0.0	0.0
724	220	-1.58	0.08	-32.79	0.0	0.0	0.0
724	223	1.40	-0.08	6.08	0.0	0.0	0.0
729	1	-0.05	-4.50e-04	-12.15	0.0	0.0	0.0
729	4	-0.12	-4.48e-04	-18.11	0.0	0.0	0.0
729	45	-0.06	-8.72e-05	-7.24	0.0	0.0	0.0
729	65	-0.03	-3.29e-04	-9.04	0.0	0.0	0.0
729	68	-0.08	-3.27e-04	-13.01	0.0	0.0	0.0
729	85	-0.05	-1.39e-04	-7.91	0.0	0.0	0.0
729	97	-0.04	-2.35e-04	-8.61	0.0	0.0	0.0
729	98	-0.07	-2.36e-04	-11.04	0.0	0.0	0.0
729	104	-0.04	-2.16e-04	-8.47	0.0	0.0	0.0
729	106	-0.04	-2.35e-04	-8.61	0.0	0.0	0.0
729	107	-0.07	-2.36e-04	-10.69	0.0	0.0	0.0
729	108	15.58	-0.02	-17.78	0.0	0.0	0.0
729	124	-1.17	0.07	-19.16	0.0	0.0	0.0
729	127	1.04	-0.07	-2.22	0.0	0.0	0.0
729	140	17.56	-0.02	-18.67	0.0	0.0	0.0
729	156	-1.31	0.08	-20.22	0.0	0.0	0.0
729	159	1.18	-0.08	-1.16	0.0	0.0	0.0
729	172	17.56	-0.02	-18.34	0.0	0.0	0.0
729	188	-1.33	0.08	-20.01	0.0	0.0	0.0
729	191	1.19	-0.08	-1.37	0.0	0.0	0.0

729	204	20.65	-0.03	-19.48	0.0	0.0	0.0
729	220	-1.56	0.09	-21.49	0.0	0.0	0.0
729	223	1.42	-0.09	0.11	0.0	0.0	0.0
734	1	-0.03	6.26e-04	-10.54	0.0	0.0	0.0
734	4	-0.09	1.10e-03	-14.91	0.0	0.0	0.0
734	45	-0.04	2.96e-04	-6.60	0.0	0.0	0.0
734	65	-0.02	4.57e-04	-7.88	0.0	0.0	0.0
734	68	-0.06	7.73e-04	-10.80	0.0	0.0	0.0
734	85	-0.04	3.57e-04	-7.08	0.0	0.0	0.0
734	97	-0.03	4.27e-04	-7.58	0.0	0.0	0.0
734	98	-0.05	6.26e-04	-9.35	0.0	0.0	0.0
734	104	-0.03	4.13e-04	-7.48	0.0	0.0	0.0
734	106	-0.03	4.27e-04	-7.58	0.0	0.0	0.0
734	107	-0.05	5.97e-04	-9.10	0.0	0.0	0.0
734	108	15.61	-0.02	-12.55	0.0	0.0	0.0
734	124	-1.15	0.08	-13.63	0.0	0.0	0.0
734	127	1.05	-0.08	-4.57	0.0	0.0	0.0
734	140	17.60	-0.02	-12.98	0.0	0.0	0.0
734	156	-1.29	0.09	-14.19	0.0	0.0	0.0
734	159	1.20	-0.08	-4.01	0.0	0.0	0.0
734	172	17.60	-0.02	-12.80	0.0	0.0	0.0
734	188	-1.31	0.08	-14.08	0.0	0.0	0.0
734	191	1.21	-0.08	-4.12	0.0	0.0	0.0
734	204	20.70	-0.03	-13.33	0.0	0.0	0.0
734	220	-1.54	0.10	-14.87	0.0	0.0	0.0
734	223	1.44	-0.09	-3.33	0.0	0.0	0.0
739	1	-0.02	9.61e-04	-9.68	0.0	0.0	0.0
739	4	-0.06	1.45e-03	-13.21	0.0	0.0	0.0
739	45	-0.03	3.40e-04	-6.29	0.0	0.0	0.0
739	65	-0.01	7.01e-04	-7.27	0.0	0.0	0.0
739	68	-0.04	1.03e-03	-9.62	0.0	0.0	0.0
739	85	-0.03	4.48e-04	-6.67	0.0	0.0	0.0
739	97	-0.02	6.02e-04	-7.04	0.0	0.0	0.0
739	98	-0.03	8.09e-04	-8.47	0.0	0.0	0.0
739	104	-0.02	5.71e-04	-6.97	0.0	0.0	0.0
739	106	-0.02	6.02e-04	-7.04	0.0	0.0	0.0
739	107	-0.03	7.80e-04	-8.26	0.0	0.0	0.0
739	108	15.63	-0.02	-7.88	0.0	0.0	0.0
739	125	11.62	-0.11	-5.90	0.0	0.0	0.0
739	126	-11.68	0.11	-10.62	0.0	0.0	0.0
739	140	17.62	-0.02	-7.84	0.0	0.0	0.0
739	157	13.10	-0.12	-5.61	0.0	0.0	0.0
739	158	-13.16	0.12	-10.92	0.0	0.0	0.0
739	172	17.62	-0.02	-7.88	0.0	0.0	0.0
739	193	12.42	-0.11	-5.64	0.0	0.0	0.0
739	194	-12.49	0.11	-10.89	0.0	0.0	0.0
739	204	20.72	-0.02	-7.83	0.0	0.0	0.0
739	225	14.78	-0.13	-5.19	0.0	0.0	0.0
739	226	-14.84	0.13	-11.33	0.0	0.0	0.0
744	1	-9.41e-03	7.26e-04	-9.41	0.0	0.0	0.0
744	4	-0.04	8.82e-04	-12.69	0.0	0.0	0.0
744	45	-0.02	7.55e-05	-6.25	0.0	0.0	0.0
744	65	-6.37e-03	5.27e-04	-7.08	0.0	0.0	0.0
744	68	-0.03	6.31e-04	-9.26	0.0	0.0	0.0
744	85	-0.02	1.90e-04	-6.58	0.0	0.0	0.0
744	97	-6.82e-03	3.91e-04	-6.89	0.0	0.0	0.0
744	98	-0.02	4.59e-04	-8.21	0.0	0.0	0.0
744	104	-8.56e-03	3.51e-04	-6.83	0.0	0.0	0.0
744	106	-6.82e-03	3.91e-04	-6.89	0.0	0.0	0.0
744	107	-0.02	4.50e-04	-8.02	0.0	0.0	0.0
744	108	15.63	-0.02	-5.95	0.0	0.0	0.0
744	113	15.60	-0.07	-4.97	0.0	0.0	0.0
744	114	-15.64	0.07	-11.07	0.0	0.0	0.0
744	140	17.62	-0.02	-5.69	0.0	0.0	0.0
744	145	17.58	-0.08	-4.59	0.0	0.0	0.0
744	146	-17.62	0.08	-11.46	0.0	0.0	0.0
744	172	17.62	-0.02	-5.69	0.0	0.0	0.0
744	177	17.58	-0.07	-4.59	0.0	0.0	0.0
744	178	-17.61	0.07	-11.45	0.0	0.0	0.0
744	204	20.71	-0.02	-5.28	0.0	0.0	0.0
744	209	20.67	-0.08	-4.00	0.0	0.0	0.0
744	210	-20.70	0.09	-12.04	0.0	0.0	0.0
749	1	1.24e-03	1.07e-04	-9.71	0.0	0.0	0.0
749	4	-0.02	-3.18e-04	-13.28	0.0	0.0	0.0
749	45	-9.64e-03	-4.15e-04	-6.47	0.0	0.0	0.0

749	65	1.46e-03	7.20e-05	-7.29	0.0	0.0	0.0
749	68	-9.62e-03	-2.11e-04	-9.68	0.0	0.0	0.0
749	85	-6.36e-03	-3.16e-04	-6.81	0.0	0.0	0.0
749	97	1.50e-03	-8.45e-05	-7.11	0.0	0.0	0.0
749	98	-6.79e-03	-2.59e-04	-8.55	0.0	0.0	0.0
749	104	-7.21e-05	-1.31e-04	-7.05	0.0	0.0	0.0
749	106	1.50e-03	-8.45e-05	-7.11	0.0	0.0	0.0
749	107	-5.60e-03	-2.34e-04	-8.34	0.0	0.0	0.0
749	108	15.60	-0.02	-3.32	0.0	0.0	0.0
749	113	15.57	-0.07	-1.83	0.0	0.0	0.0
749	114	-15.58	0.07	-14.86	0.0	0.0	0.0
749	140	17.58	-0.02	-2.68	0.0	0.0	0.0
749	145	17.55	-0.08	-1.01	0.0	0.0	0.0
749	146	-17.56	0.08	-15.68	0.0	0.0	0.0
749	172	17.58	-0.02	-2.72	0.0	0.0	0.0
749	177	17.54	-0.07	-1.05	0.0	0.0	0.0
749	178	-17.55	0.07	-15.64	0.0	0.0	0.0
749	204	20.67	-0.02	-1.75	0.0	0.0	0.0
749	209	20.62	-0.08	0.20	0.0	0.0	0.0
749	210	-20.63	0.08	-16.89	0.0	0.0	0.0
754	1	0.01	-6.24e-04	-10.68	0.0	0.0	0.0
754	4	5.27e-03	-1.67e-03	-15.21	0.0	0.0	0.0
754	45	-1.63e-03	-9.62e-04	-7.04	0.0	0.0	0.0
754	65	9.14e-03	-4.66e-04	-8.00	0.0	0.0	0.0
754	68	4.85e-03	-1.17e-03	-11.02	0.0	0.0	0.0
754	85	1.96e-03	-8.88e-04	-7.45	0.0	0.0	0.0
754	97	9.40e-03	-6.34e-04	-7.79	0.0	0.0	0.0
754	98	5.41e-03	-1.07e-03	-9.62	0.0	0.0	0.0
754	104	7.91e-03	-6.85e-04	-7.72	0.0	0.0	0.0
754	106	9.40e-03	-6.34e-04	-7.79	0.0	0.0	0.0
754	107	5.98e-03	-1.01e-03	-9.36	0.0	0.0	0.0
754	108	15.58	-0.02	0.32	0.0	0.0	0.0
754	113	15.55	-0.07	3.02	0.0	0.0	0.0
754	114	-15.54	0.07	-21.74	0.0	0.0	0.0
754	140	17.55	-0.02	1.55	0.0	0.0	0.0
754	145	17.52	-0.08	4.59	0.0	0.0	0.0
754	146	-17.51	0.07	-23.31	0.0	0.0	0.0
754	172	17.55	-0.02	1.46	0.0	0.0	0.0
754	177	17.51	-0.07	4.47	0.0	0.0	0.0
754	178	-17.50	0.07	-23.19	0.0	0.0	0.0
754	204	20.63	-0.02	3.30	0.0	0.0	0.0
754	209	20.59	-0.08	6.82	0.0	0.0	0.0
754	210	-20.58	0.08	-25.54	0.0	0.0	0.0
759	1	0.02	-1.15e-03	-12.94	0.0	0.0	0.0
759	4	0.03	-2.60e-03	-19.58	0.0	0.0	0.0
759	45	6.40e-03	-1.38e-03	-8.36	0.0	0.0	0.0
759	65	0.02	-8.54e-04	-9.64	0.0	0.0	0.0
759	68	0.02	-1.82e-03	-14.07	0.0	0.0	0.0
759	85	0.01	-1.32e-03	-8.93	0.0	0.0	0.0
759	97	0.02	-1.03e-03	-9.37	0.0	0.0	0.0
759	98	0.02	-1.64e-03	-12.07	0.0	0.0	0.0
759	104	0.02	-1.09e-03	-9.28	0.0	0.0	0.0
759	106	0.02	-1.03e-03	-9.37	0.0	0.0	0.0
759	107	0.02	-1.55e-03	-11.69	0.0	0.0	0.0
759	108	15.14	-0.01	18.48	0.0	0.0	0.0
759	113	15.12	-0.07	26.34	0.0	0.0	0.0
759	114	-15.08	0.06	-49.72	0.0	0.0	0.0
759	140	17.06	-0.02	22.30	0.0	0.0	0.0
759	145	17.03	-0.07	31.16	0.0	0.0	0.0
759	146	-16.99	0.07	-54.53	0.0	0.0	0.0
759	172	17.06	-0.02	22.10	0.0	0.0	0.0
759	177	17.03	-0.07	30.91	0.0	0.0	0.0
759	178	-16.99	0.07	-54.28	0.0	0.0	0.0
759	204	20.05	-0.02	27.91	0.0	0.0	0.0
759	209	20.01	-0.08	38.22	0.0	0.0	0.0
759	210	-19.98	0.08	-61.60	0.0	0.0	0.0
764	1	0.02	-4.89e-04	-7.81	0.0	0.0	0.0
764	4	0.02	-1.29e-03	-12.28	0.0	0.0	0.0
764	45	6.57e-03	-1.27e-03	-4.98	0.0	0.0	0.0
764	65	0.01	-3.80e-04	-5.80	0.0	0.0	0.0
764	68	0.02	-9.11e-04	-8.78	0.0	0.0	0.0
764	85	8.75e-03	-1.07e-03	-5.35	0.0	0.0	0.0
764	97	0.01	-6.11e-04	-5.62	0.0	0.0	0.0
764	98	0.01	-9.42e-04	-7.45	0.0	0.0	0.0
764	104	0.01	-7.04e-04	-5.57	0.0	0.0	0.0

764	106	0.01	-6.11e-04	-5.62	0.0	0.0	0.0
764	107	0.01	-8.95e-04	-7.19	0.0	0.0	0.0
764	108	7.46	0.03	44.90	0.0	0.0	0.0
764	113	7.45	-3.61e-04	57.99	0.0	0.0	0.0
764	114	-7.42	-1.43e-03	-72.37	0.0	0.0	0.0
764	140	8.40	0.03	51.51	0.0	0.0	0.0
764	145	8.39	-3.42e-04	66.25	0.0	0.0	0.0
764	146	-8.36	-1.45e-03	-80.63	0.0	0.0	0.0
764	172	8.40	0.03	51.37	0.0	0.0	0.0
764	177	8.39	-1.01e-03	66.09	0.0	0.0	0.0
764	178	-8.36	-7.80e-04	-80.48	0.0	0.0	0.0
764	204	9.88	0.03	61.56	0.0	0.0	0.0
764	209	9.86	-1.20e-03	78.86	0.0	0.0	0.0
764	210	-9.83	-5.87e-04	-93.24	0.0	0.0	0.0
801	1	-0.05	-0.03	-15.53	0.0	0.0	0.0
801	19	-0.04	-0.02	-10.15	0.0	0.0	0.0
801	28	-0.08	-0.04	-32.42	0.0	0.0	0.0
801	65	-0.03	-0.02	-11.36	0.0	0.0	0.0
801	72	-0.04	-0.02	-11.18	0.0	0.0	0.0
801	80	-0.06	-0.03	-22.62	0.0	0.0	0.0
801	97	-0.03	-0.02	-11.62	0.0	0.0	0.0
801	98	-0.05	-0.03	-18.47	0.0	0.0	0.0
801	102	-0.03	-0.02	-11.54	0.0	0.0	0.0
801	106	-0.03	-0.02	-11.62	0.0	0.0	0.0
801	107	-0.05	-0.03	-17.49	0.0	0.0	0.0
801	108	4.59	-0.05	-57.75	0.0	0.0	0.0
801	113	4.53	-0.03	-67.87	0.0	0.0	0.0
801	114	-4.62	-0.02	32.89	0.0	0.0	0.0
801	140	5.18	-0.05	-62.86	0.0	0.0	0.0
801	145	5.11	-0.03	-74.26	0.0	0.0	0.0
801	146	-5.20	-0.02	39.28	0.0	0.0	0.0
801	172	5.18	-0.05	-62.79	0.0	0.0	0.0
801	177	5.11	-0.03	-74.18	0.0	0.0	0.0
801	178	-5.20	-0.02	39.20	0.0	0.0	0.0
801	204	6.10	-0.05	-70.71	0.0	0.0	0.0
801	209	6.01	-0.03	-84.09	0.0	0.0	0.0
801	210	-6.10	-0.02	49.11	0.0	0.0	0.0
818	1	-0.17	-0.04	-32.08	0.0	0.0	0.0
818	4	-0.37	-0.08	-62.05	0.0	0.0	0.0
818	45	-0.13	-0.02	-21.16	0.0	0.0	0.0
818	65	-0.12	-0.03	-23.46	0.0	0.0	0.0
818	68	-0.26	-0.06	-43.44	0.0	0.0	0.0
818	85	-0.14	-0.02	-22.87	0.0	0.0	0.0
818	97	-0.12	-0.03	-23.23	0.0	0.0	0.0
818	98	-0.21	-0.05	-35.80	0.0	0.0	0.0
818	104	-0.13	-0.03	-23.16	0.0	0.0	0.0
818	106	-0.12	-0.03	-23.23	0.0	0.0	0.0
818	107	-0.20	-0.04	-34.00	0.0	0.0	0.0
818	108	16.17	-0.02	-47.86	0.0	0.0	0.0
818	124	-1.40	-8.28e-03	-50.06	0.0	0.0	0.0
818	127	1.00	-0.08	-17.95	0.0	0.0	0.0
818	140	18.25	-0.02	-49.60	0.0	0.0	0.0
818	156	-1.56	-4.45e-03	-52.05	0.0	0.0	0.0
818	159	1.16	-0.08	-15.95	0.0	0.0	0.0
818	172	18.25	-0.02	-49.29	0.0	0.0	0.0
818	188	-1.57	-8.07e-03	-51.68	0.0	0.0	0.0
818	191	1.17	-0.08	-16.32	0.0	0.0	0.0
818	204	21.49	-0.02	-51.80	0.0	0.0	0.0
818	220	-1.82	-2.35e-03	-54.54	0.0	0.0	0.0
818	223	1.42	-0.08	-13.47	0.0	0.0	0.0
823	1	-0.14	-0.02	-23.35	0.0	0.0	0.0
823	4	-0.31	-0.05	-42.14	0.0	0.0	0.0
823	45	-0.10	-0.02	-14.21	0.0	0.0	0.0
823	65	-0.10	-0.02	-17.12	0.0	0.0	0.0
823	68	-0.21	-0.03	-29.65	0.0	0.0	0.0
823	85	-0.10	-0.02	-15.65	0.0	0.0	0.0
823	97	-0.10	-0.02	-16.57	0.0	0.0	0.0
823	98	-0.17	-0.03	-24.31	0.0	0.0	0.0
823	104	-0.10	-0.02	-16.38	0.0	0.0	0.0
823	106	-0.10	-0.02	-16.57	0.0	0.0	0.0
823	107	-0.16	-0.03	-23.20	0.0	0.0	0.0
823	108	16.37	9.33e-03	-29.31	0.0	0.0	0.0
823	124	-1.27	0.04	-35.80	0.0	0.0	0.0
823	127	0.95	-0.09	-10.61	0.0	0.0	0.0
823	140	18.47	0.01	-30.07	0.0	0.0	0.0

823	156	-1.41	0.04	-37.37	0.0	0.0	0.0
823	159	1.09	-0.10	-9.04	0.0	0.0	0.0
823	172	18.46	9.90e-03	-29.81	0.0	0.0	0.0
823	188	-1.43	0.04	-37.10	0.0	0.0	0.0
823	191	1.11	-0.09	-9.30	0.0	0.0	0.0
823	204	21.73	0.02	-30.81	0.0	0.0	0.0
823	220	-1.67	0.05	-39.35	0.0	0.0	0.0
823	223	1.35	-0.10	-7.06	0.0	0.0	0.0
828	1	-0.12	-0.01	-17.77	0.0	0.0	0.0
828	4	-0.26	-0.03	-30.17	0.0	0.0	0.0
828	45	-0.08	-9.71e-03	-10.95	0.0	0.0	0.0
828	65	-0.09	-8.90e-03	-13.10	0.0	0.0	0.0
828	68	-0.18	-0.02	-21.36	0.0	0.0	0.0
828	85	-0.08	-0.01	-11.96	0.0	0.0	0.0
828	97	-0.08	-9.31e-03	-12.67	0.0	0.0	0.0
828	98	-0.14	-0.01	-17.73	0.0	0.0	0.0
828	104	-0.08	-9.46e-03	-12.53	0.0	0.0	0.0
828	106	-0.08	-9.31e-03	-12.67	0.0	0.0	0.0
828	107	-0.13	-0.01	-17.01	0.0	0.0	0.0
828	108	16.45	-0.02	-19.95	0.0	0.0	0.0
828	128	-2.07	0.05	-23.83	0.0	0.0	0.0
828	131	1.80	-0.08	-10.19	0.0	0.0	0.0
828	140	18.55	-0.02	-20.32	0.0	0.0	0.0
828	160	-2.30	0.06	-24.67	0.0	0.0	0.0
828	163	2.03	-0.09	-9.34	0.0	0.0	0.0
828	172	18.54	-0.01	-20.21	0.0	0.0	0.0
828	192	-2.16	0.06	-24.55	0.0	0.0	0.0
828	195	1.89	-0.09	-9.46	0.0	0.0	0.0
828	204	21.83	-0.01	-20.70	0.0	0.0	0.0
828	224	-2.35	0.07	-25.78	0.0	0.0	0.0
828	227	2.09	-0.10	-8.23	0.0	0.0	0.0
833	1	-0.10	-3.87e-03	-14.16	0.0	0.0	0.0
833	4	-0.21	-8.26e-03	-22.59	0.0	0.0	0.0
833	45	-0.06	-3.68e-03	-9.00	0.0	0.0	0.0
833	65	-0.07	-2.85e-03	-10.50	0.0	0.0	0.0
833	68	-0.15	-5.77e-03	-16.12	0.0	0.0	0.0
833	85	-0.07	-3.65e-03	-9.70	0.0	0.0	0.0
833	97	-0.07	-3.14e-03	-10.20	0.0	0.0	0.0
833	98	-0.12	-4.97e-03	-13.62	0.0	0.0	0.0
833	104	-0.07	-3.25e-03	-10.10	0.0	0.0	0.0
833	106	-0.07	-3.14e-03	-10.20	0.0	0.0	0.0
833	107	-0.11	-4.71e-03	-13.13	0.0	0.0	0.0
833	108	16.49	-4.97e-03	-13.35	0.0	0.0	0.0
833	129	11.38	-0.09	-9.30	0.0	0.0	0.0
833	130	-11.60	0.08	-16.96	0.0	0.0	0.0
833	140	18.60	-4.89e-03	-13.38	0.0	0.0	0.0
833	161	12.87	-0.10	-8.82	0.0	0.0	0.0
833	162	-13.08	0.09	-17.45	0.0	0.0	0.0
833	172	18.59	-3.08e-03	-13.36	0.0	0.0	0.0
833	193	13.05	-0.09	-8.86	0.0	0.0	0.0
833	194	-13.26	0.08	-17.40	0.0	0.0	0.0
833	204	21.87	-2.22e-03	-13.39	0.0	0.0	0.0
833	225	15.54	-0.11	-8.15	0.0	0.0	0.0
833	226	-15.76	0.10	-18.11	0.0	0.0	0.0
838	1	-0.08	9.86e-04	-11.93	0.0	0.0	0.0
838	4	-0.18	1.84e-03	-17.93	0.0	0.0	0.0
838	45	-0.05	4.14e-04	-7.81	0.0	0.0	0.0
838	65	-0.06	7.13e-04	-8.90	0.0	0.0	0.0
838	68	-0.12	1.28e-03	-12.90	0.0	0.0	0.0
838	85	-0.06	5.19e-04	-8.32	0.0	0.0	0.0
838	97	-0.05	6.40e-04	-8.68	0.0	0.0	0.0
838	98	-0.09	9.98e-04	-11.11	0.0	0.0	0.0
838	104	-0.05	6.16e-04	-8.61	0.0	0.0	0.0
838	106	-0.05	6.40e-04	-8.68	0.0	0.0	0.0
838	107	-0.09	9.47e-04	-10.76	0.0	0.0	0.0
838	108	16.51	2.14e-03	-9.73	0.0	0.0	0.0
838	133	-1.39	-0.08	-7.80	0.0	0.0	0.0
838	134	1.22	0.09	-13.72	0.0	0.0	0.0
838	140	18.62	2.40e-03	-9.60	0.0	0.0	0.0
838	165	-1.56	-0.09	-7.43	0.0	0.0	0.0
838	166	1.39	0.10	-14.09	0.0	0.0	0.0
838	172	18.61	4.21e-03	-9.60	0.0	0.0	0.0
838	197	-1.59	-0.09	-7.48	0.0	0.0	0.0
838	198	1.41	0.09	-14.04	0.0	0.0	0.0
838	204	21.90	5.36e-03	-9.39	0.0	0.0	0.0

838	229	-1.86	-0.10	-6.95	0.0	0.0	0.0
838	230	1.68	0.10	-14.57	0.0	0.0	0.0
843	1	-0.07	3.14e-03	-10.68	0.0	0.0	0.0
843	4	-0.14	6.39e-03	-15.31	0.0	0.0	0.0
843	45	-0.04	2.37e-03	-7.15	0.0	0.0	0.0
843	65	-0.05	2.29e-03	-8.00	0.0	0.0	0.0
843	68	-0.10	4.46e-03	-11.08	0.0	0.0	0.0
843	85	-0.04	2.48e-03	-7.54	0.0	0.0	0.0
843	97	-0.04	2.36e-03	-7.83	0.0	0.0	0.0
843	98	-0.08	3.71e-03	-9.70	0.0	0.0	0.0
843	104	-0.04	2.38e-03	-7.77	0.0	0.0	0.0
843	106	-0.04	2.36e-03	-7.83	0.0	0.0	0.0
843	107	-0.07	3.52e-03	-9.43	0.0	0.0	0.0
843	108	16.51	6.42e-03	-6.77	0.0	0.0	0.0
843	113	16.47	-0.04	-5.73	0.0	0.0	0.0
843	114	-16.61	0.05	-13.13	0.0	0.0	0.0
843	140	18.62	6.89e-03	-6.43	0.0	0.0	0.0
843	145	18.56	-0.05	-5.26	0.0	0.0	0.0
843	146	-18.71	0.05	-13.60	0.0	0.0	0.0
843	172	18.61	8.62e-03	-6.46	0.0	0.0	0.0
843	177	18.56	-0.04	-5.30	0.0	0.0	0.0
843	178	-18.70	0.05	-13.56	0.0	0.0	0.0
843	204	21.89	0.01	-5.95	0.0	0.0	0.0
843	209	21.83	-0.05	-4.60	0.0	0.0	0.0
843	210	-21.97	0.06	-14.26	0.0	0.0	0.0
848	1	-0.05	3.43e-03	-10.20	0.0	0.0	0.0
848	4	-0.12	7.10e-03	-14.25	0.0	0.0	0.0
848	45	-0.03	2.64e-03	-6.90	0.0	0.0	0.0
848	65	-0.04	2.51e-03	-7.66	0.0	0.0	0.0
848	68	-0.08	4.95e-03	-10.35	0.0	0.0	0.0
848	85	-0.04	2.76e-03	-7.25	0.0	0.0	0.0
848	97	-0.03	2.60e-03	-7.50	0.0	0.0	0.0
848	98	-0.06	4.12e-03	-9.14	0.0	0.0	0.0
848	104	-0.03	2.63e-03	-7.45	0.0	0.0	0.0
848	106	-0.03	2.60e-03	-7.50	0.0	0.0	0.0
848	107	-0.06	3.90e-03	-8.90	0.0	0.0	0.0
848	108	16.48	8.69e-03	-3.66	0.0	0.0	0.0
848	113	16.43	-0.04	-2.16	0.0	0.0	0.0
848	114	-16.55	0.05	-15.65	0.0	0.0	0.0
848	140	18.58	9.40e-03	-3.00	0.0	0.0	0.0
848	145	18.53	-0.05	-1.31	0.0	0.0	0.0
848	146	-18.64	0.05	-16.50	0.0	0.0	0.0
848	172	18.57	0.01	-3.06	0.0	0.0	0.0
848	177	18.52	-0.04	-1.39	0.0	0.0	0.0
848	178	-18.63	0.05	-16.42	0.0	0.0	0.0
848	204	21.85	0.01	-2.07	0.0	0.0	0.0
848	209	21.78	-0.05	-0.12	0.0	0.0	0.0
848	210	-21.90	0.06	-17.69	0.0	0.0	0.0
853	1	-0.04	2.80e-03	-10.45	0.0	0.0	0.0
853	4	-0.09	5.84e-03	-14.64	0.0	0.0	0.0
853	45	-0.03	2.00e-03	-7.04	0.0	0.0	0.0
853	65	-0.03	2.03e-03	-7.84	0.0	0.0	0.0
853	68	-0.06	4.07e-03	-10.64	0.0	0.0	0.0
853	85	-0.03	2.13e-03	-7.40	0.0	0.0	0.0
853	97	-0.02	2.07e-03	-7.68	0.0	0.0	0.0
853	98	-0.05	3.34e-03	-9.37	0.0	0.0	0.0
853	104	-0.02	2.08e-03	-7.62	0.0	0.0	0.0
853	106	-0.02	2.07e-03	-7.68	0.0	0.0	0.0
853	107	-0.04	3.16e-03	-9.13	0.0	0.0	0.0
853	108	16.46	9.70e-03	0.49	0.0	0.0	0.0
853	113	16.41	-0.04	3.16	0.0	0.0	0.0
853	114	-16.50	0.05	-21.42	0.0	0.0	0.0
853	140	18.55	0.01	1.70	0.0	0.0	0.0
853	145	18.50	-0.05	4.71	0.0	0.0	0.0
853	146	-18.59	0.05	-22.97	0.0	0.0	0.0
853	172	18.55	0.01	1.58	0.0	0.0	0.0
853	177	18.50	-0.04	4.54	0.0	0.0	0.0
853	178	-18.58	0.05	-22.80	0.0	0.0	0.0
853	204	21.81	0.01	3.38	0.0	0.0	0.0
853	209	21.75	-0.05	6.84	0.0	0.0	0.0
853	210	-21.84	0.06	-25.10	0.0	0.0	0.0
858	1	-0.03	2.01e-03	-11.85	0.0	0.0	0.0
858	4	-0.07	4.25e-03	-17.13	0.0	0.0	0.0
858	45	-0.02	1.15e-03	-7.85	0.0	0.0	0.0
858	65	-0.02	1.45e-03	-8.87	0.0	0.0	0.0

858	68	-0.05	2.94e-03	-12.39	0.0	0.0	0.0
858	85	-0.02	1.31e-03	-8.31	0.0	0.0	0.0
858	97	-0.02	1.41e-03	-8.65	0.0	0.0	0.0
858	98	-0.04	2.34e-03	-10.79	0.0	0.0	0.0
858	104	-0.02	1.39e-03	-8.58	0.0	0.0	0.0
858	106	-0.02	1.41e-03	-8.65	0.0	0.0	0.0
858	107	-0.03	2.20e-03	-10.49	0.0	0.0	0.0
858	108	16.02	0.01	19.51	0.0	0.0	0.0
858	113	15.98	-0.04	27.44	0.0	0.0	0.0
858	114	-16.04	0.05	-48.41	0.0	0.0	0.0
858	140	18.05	0.01	23.31	0.0	0.0	0.0
858	145	18.01	-0.05	32.24	0.0	0.0	0.0
858	146	-18.07	0.05	-53.21	0.0	0.0	0.0
858	172	18.05	0.01	23.07	0.0	0.0	0.0
858	177	18.00	-0.04	31.91	0.0	0.0	0.0
858	178	-18.07	0.05	-52.89	0.0	0.0	0.0
858	204	21.23	0.01	28.82	0.0	0.0	0.0
858	209	21.17	-0.05	39.15	0.0	0.0	0.0
858	210	-21.24	0.05	-60.13	0.0	0.0	0.0
863	1	-8.59e-03	5.59e-04	-6.94	0.0	0.0	0.0
863	4	-0.03	1.21e-03	-10.30	0.0	0.0	0.0
863	45	-5.39e-03	1.15e-04	-4.52	0.0	0.0	0.0
863	65	-5.64e-03	3.98e-04	-5.18	0.0	0.0	0.0
863	68	-0.02	8.30e-04	-7.42	0.0	0.0	0.0
863	85	-5.59e-03	2.15e-04	-4.81	0.0	0.0	0.0
863	97	-4.09e-03	3.51e-04	-5.03	0.0	0.0	0.0
863	98	-0.01	6.19e-04	-6.40	0.0	0.0	0.0
863	104	-4.39e-03	3.24e-04	-4.99	0.0	0.0	0.0
863	106	-4.09e-03	3.51e-04	-5.03	0.0	0.0	0.0
863	107	-0.01	5.81e-04	-6.21	0.0	0.0	0.0
863	108	7.88	0.04	46.95	0.0	0.0	0.0
863	112	9.83	0.04	60.40	0.0	0.0	0.0
863	115	-9.85	-0.04	-72.81	0.0	0.0	0.0
863	140	8.89	0.04	53.69	0.0	0.0	0.0
863	144	11.08	0.04	68.84	0.0	0.0	0.0
863	147	-11.10	-0.04	-81.26	0.0	0.0	0.0
863	172	8.88	0.04	53.52	0.0	0.0	0.0
863	176	11.08	0.04	68.64	0.0	0.0	0.0
863	179	-11.10	-0.04	-81.05	0.0	0.0	0.0
863	204	10.45	0.05	63.91	0.0	0.0	0.0
863	208	13.03	0.05	81.66	0.0	0.0	0.0
863	211	-13.06	-0.05	-94.07	0.0	0.0	0.0
897	1	-0.03	-0.03	-14.93	0.0	0.0	0.0
897	4	-0.04	-0.06	-28.21	0.0	0.0	0.0
897	45	-0.01	-0.02	-9.21	0.0	0.0	0.0
897	65	-0.02	-0.02	-10.92	0.0	0.0	0.0
897	68	-0.03	-0.04	-19.77	0.0	0.0	0.0
897	85	-0.01	-0.02	-10.14	0.0	0.0	0.0
897	97	-0.02	-0.02	-10.63	0.0	0.0	0.0
897	98	-0.02	-0.03	-16.16	0.0	0.0	0.0
897	104	-0.02	-0.02	-10.53	0.0	0.0	0.0
897	106	-0.02	-0.02	-10.63	0.0	0.0	0.0
897	107	-0.02	-0.03	-15.37	0.0	0.0	0.0
897	108	5.76	-0.07	-75.77	0.0	0.0	0.0
897	111	-5.80	2.85e-04	45.02	0.0	0.0	0.0
897	140	6.49	-0.07	-83.42	0.0	0.0	0.0
897	143	-6.54	4.50e-03	52.68	0.0	0.0	0.0
897	172	6.49	-0.07	-83.28	0.0	0.0	0.0
897	175	-6.53	3.92e-03	52.53	0.0	0.0	0.0
897	204	7.64	-0.08	-95.10	0.0	0.0	0.0
897	207	-7.68	0.01	64.35	0.0	0.0	0.0
900	1	-0.05	-0.06	-29.69	0.0	0.0	0.0
900	4	-0.07	-0.10	-57.86	0.0	0.0	0.0
900	45	-0.01	-0.03	-19.95	0.0	0.0	0.0
900	65	-0.03	-0.04	-21.72	0.0	0.0	0.0
900	68	-0.05	-0.07	-40.50	0.0	0.0	0.0
900	85	-0.02	-0.03	-21.46	0.0	0.0	0.0
900	97	-0.02	-0.04	-21.62	0.0	0.0	0.0
900	98	-0.03	-0.06	-33.45	0.0	0.0	0.0
900	104	-0.02	-0.04	-21.59	0.0	0.0	0.0
900	106	-0.02	-0.04	-21.62	0.0	0.0	0.0
900	107	-0.03	-0.06	-31.76	0.0	0.0	0.0
900	108	11.77	-0.09	-69.88	0.0	0.0	0.0
900	111	-11.84	-0.02	6.36	0.0	0.0	0.0
900	140	13.27	-0.09	-74.71	0.0	0.0	0.0

900	143	-13.33	-0.02	11.19	0.0	0.0	0.0
900	172	13.26	-0.09	-74.44	0.0	0.0	0.0
900	175	-13.33	-0.02	10.92	0.0	0.0	0.0
900	204	15.60	-0.10	-81.77	0.0	0.0	0.0
900	207	-15.66	-0.01	18.25	0.0	0.0	0.0
921	1	0.26	0.10	-0.63	0.0	0.0	0.0
921	19	0.14	0.16	-0.46	0.0	0.0	0.0
921	28	0.59	-0.05	-0.78	0.0	0.0	0.0
921	65	0.20	0.07	-0.48	0.0	0.0	0.0
921	72	0.18	0.11	-0.47	0.0	0.0	0.0
921	80	0.42	-0.03	-0.58	0.0	0.0	0.0
921	97	0.22	-1.01e-04	-0.50	0.0	0.0	0.0
921	98	0.33	-1.34e-04	-0.54	0.0	0.0	0.0
921	102	0.21	0.02	-0.49	0.0	0.0	0.0
921	106	0.22	-1.01e-04	-0.50	0.0	0.0	0.0
921	107	0.31	-1.29e-04	-0.53	0.0	0.0	0.0
921	108	8.23	5.97e-03	-2.83	0.0	0.0	0.0
921	113	8.41	8.77e-04	-2.88	0.0	0.0	0.0
921	114	-7.79	-1.13e-03	1.82	0.0	0.0	0.0
921	140	9.22	6.66e-03	-3.12	0.0	0.0	0.0
921	145	9.42	9.98e-04	-3.18	0.0	0.0	0.0
921	146	-8.80	-1.26e-03	2.11	0.0	0.0	0.0
921	172	8.83	6.08e-03	-3.01	0.0	0.0	0.0
921	177	9.04	8.47e-04	-3.07	0.0	0.0	0.0
921	178	-8.42	-1.11e-03	2.00	0.0	0.0	0.0
921	204	10.11	7.07e-03	-3.38	0.0	0.0	0.0
921	209	10.35	9.58e-04	-3.45	0.0	0.0	0.0
921	210	-9.73	-1.22e-03	2.38	0.0	0.0	0.0
923	1	-6.29e-05	12.84	-86.82	0.0	0.0	0.0
923	19	-2.30e-04	10.31	-51.22	0.0	0.0	0.0
923	28	4.10e-04	20.61	-200.01	0.0	0.0	0.0
923	65	-4.16e-05	9.24	-63.70	0.0	0.0	0.0
923	72	-1.19e-04	9.98	-60.38	0.0	0.0	0.0
923	80	2.73e-04	14.42	-139.15	0.0	0.0	0.0
923	97	7.45e-05	8.13	-68.67	0.0	0.0	0.0
923	98	2.09e-04	13.11	-109.97	0.0	0.0	0.0
923	102	3.58e-05	8.50	-67.02	0.0	0.0	0.0
923	106	7.45e-05	8.13	-68.67	0.0	0.0	0.0
923	107	1.90e-04	12.40	-104.07	0.0	0.0	0.0
923	108	0.36	13.11	-109.12	0.0	0.0	0.0
923	133	-0.03	2.19	-175.61	0.0	0.0	0.0
923	134	0.03	22.61	-32.54	0.0	0.0	0.0
923	140	0.40	13.20	-109.79	0.0	0.0	0.0
923	165	-0.03	0.93	-184.52	0.0	0.0	0.0
923	166	0.03	23.88	-23.63	0.0	0.0	0.0
923	172	0.39	13.25	-110.08	0.0	0.0	0.0
923	193	0.28	-0.28	-183.50	0.0	0.0	0.0
923	194	-0.28	25.08	-24.65	0.0	0.0	0.0
923	204	0.46	13.41	-111.40	0.0	0.0	0.0
923	225	0.34	-2.39	-197.04	0.0	0.0	0.0
923	226	-0.34	27.19	-11.10	0.0	0.0	0.0
925	1	0.24	0.10	-0.59	0.0	0.0	0.0
925	19	0.11	0.17	-0.43	0.0	0.0	0.0
925	28	0.63	-0.05	-0.68	0.0	0.0	0.0
925	65	0.18	0.07	-0.45	0.0	0.0	0.0
925	72	0.15	0.11	-0.44	0.0	0.0	0.0
925	80	0.44	-0.03	-0.51	0.0	0.0	0.0
925	97	0.21	2.51e-05	-0.46	0.0	0.0	0.0
925	98	0.33	3.39e-05	-0.49	0.0	0.0	0.0
925	102	0.20	0.02	-0.46	0.0	0.0	0.0
925	106	0.21	2.51e-05	-0.46	0.0	0.0	0.0
925	107	0.31	3.27e-05	-0.48	0.0	0.0	0.0
925	108	8.53	-8.67e-04	0.77	0.0	0.0	0.0
925	111	-7.91	9.32e-04	-1.73	0.0	0.0	0.0
925	140	9.56	-9.62e-04	0.92	0.0	0.0	0.0
925	143	-8.93	1.03e-03	-1.89	0.0	0.0	0.0
925	172	9.15	-6.95e-04	0.87	0.0	0.0	0.0
925	175	-8.53	7.60e-04	-1.84	0.0	0.0	0.0
925	204	10.48	-7.38e-04	1.08	0.0	0.0	0.0
925	207	-9.86	8.03e-04	-2.05	0.0	0.0	0.0
937	1	0.02	2.11	-38.91	0.0	0.0	0.0
937	19	3.85e-03	3.18	-21.45	0.0	0.0	0.0
937	28	0.05	-1.26	-86.66	0.0	0.0	0.0
937	65	0.01	1.43	-29.01	0.0	0.0	0.0
937	72	9.09e-03	2.21	-26.52	0.0	0.0	0.0

937	80	0.04	-0.81	-60.84	0.0	0.0	0.0
937	97	0.02	0.25	-32.75	0.0	0.0	0.0
937	98	0.03	0.33	-48.17	0.0	0.0	0.0
937	102	0.02	0.65	-31.50	0.0	0.0	0.0
937	106	0.02	0.25	-32.75	0.0	0.0	0.0
937	107	0.02	0.32	-45.96	0.0	0.0	0.0
937	108	-0.49	20.43	13.27	0.0	0.0	0.0
937	124	-0.35	20.78	23.11	0.0	0.0	0.0
937	127	0.40	-20.14	-115.04	0.0	0.0	0.0
937	140	-0.56	22.96	20.75	0.0	0.0	0.0
937	156	-0.39	23.32	31.72	0.0	0.0	0.0
937	159	0.44	-22.68	-123.65	0.0	0.0	0.0
937	172	-0.53	22.72	20.58	0.0	0.0	0.0
937	192	-0.34	23.15	30.62	0.0	0.0	0.0
937	195	0.39	-22.51	-122.55	0.0	0.0	0.0
937	204	-0.62	26.51	32.10	0.0	0.0	0.0
937	224	-0.40	26.99	43.52	0.0	0.0	0.0
937	227	0.45	-26.35	-135.45	0.0	0.0	0.0
941	1	0.01	2.10	-33.92	0.0	0.0	0.0
941	19	5.60e-03	3.20	-20.89	0.0	0.0	0.0
941	28	0.03	-1.35	-69.87	0.0	0.0	0.0
941	65	9.14e-03	1.42	-25.12	0.0	0.0	0.0
941	72	7.89e-03	2.22	-23.95	0.0	0.0	0.0
941	80	0.02	-0.88	-49.09	0.0	0.0	0.0
941	97	0.01	0.23	-26.86	0.0	0.0	0.0
941	98	0.02	0.29	-39.84	0.0	0.0	0.0
941	102	0.01	0.62	-26.28	0.0	0.0	0.0
941	106	0.01	0.23	-26.86	0.0	0.0	0.0
941	107	0.02	0.28	-37.98	0.0	0.0	0.0
941	108	0.10	20.70	-11.64	0.0	0.0	0.0
941	124	7.49e-03	21.06	-6.33	0.0	0.0	0.0
941	127	0.02	-20.50	-69.63	0.0	0.0	0.0
941	140	0.11	23.27	-8.31	0.0	0.0	0.0
941	156	6.49e-03	23.64	-2.39	0.0	0.0	0.0
941	159	0.03	-23.08	-73.57	0.0	0.0	0.0
941	172	0.09	23.04	-8.41	0.0	0.0	0.0
941	200	2.60e-04	26.62	-2.88	0.0	0.0	0.0
941	203	0.03	-26.06	-73.09	0.0	0.0	0.0
941	204	0.10	26.89	-3.32	0.0	0.0	0.0
941	232	-2.55e-03	31.34	3.35	0.0	0.0	0.0
941	235	0.03	-30.78	-79.31	0.0	0.0	0.0
945	1	9.06e-03	2.07	-31.04	0.0	0.0	0.0
945	19	5.11e-03	3.20	-20.13	0.0	0.0	0.0
945	28	0.02	-1.41	-61.57	0.0	0.0	0.0
945	65	6.69e-03	1.40	-22.90	0.0	0.0	0.0
945	72	6.21e-03	2.20	-22.31	0.0	0.0	0.0
945	80	0.01	-0.92	-43.25	0.0	0.0	0.0
945	97	7.40e-03	0.20	-23.79	0.0	0.0	0.0
945	98	0.01	0.26	-35.57	0.0	0.0	0.0
945	102	7.16e-03	0.60	-23.49	0.0	0.0	0.0
945	106	7.40e-03	0.20	-23.79	0.0	0.0	0.0
945	107	0.01	0.25	-33.88	0.0	0.0	0.0
945	108	0.15	20.72	-19.83	0.0	0.0	0.0
945	124	-2.04e-03	21.10	-17.76	0.0	0.0	0.0
945	127	0.02	-20.60	-50.01	0.0	0.0	0.0
945	140	0.16	23.30	-18.06	0.0	0.0	0.0
945	156	-3.57e-03	23.69	-15.75	0.0	0.0	0.0
945	159	0.03	-23.19	-52.02	0.0	0.0	0.0
945	172	0.15	23.07	-18.07	0.0	0.0	0.0
945	188	-3.39e-03	23.19	-16.02	0.0	0.0	0.0
945	191	0.03	-22.69	-51.75	0.0	0.0	0.0
945	204	0.18	26.94	-15.33	0.0	0.0	0.0
945	224	-0.02	27.43	-13.08	0.0	0.0	0.0
945	227	0.04	-26.93	-54.69	0.0	0.0	0.0
949	1	8.03e-03	2.05	-29.98	0.0	0.0	0.0
949	19	5.32e-03	3.18	-20.20	0.0	0.0	0.0
949	28	0.02	-1.46	-57.74	0.0	0.0	0.0
949	65	5.86e-03	1.38	-22.05	0.0	0.0	0.0
949	72	5.81e-03	2.19	-21.84	0.0	0.0	0.0
949	80	0.01	-0.96	-40.56	0.0	0.0	0.0
949	97	5.94e-03	0.18	-22.37	0.0	0.0	0.0
949	98	9.41e-03	0.23	-33.71	0.0	0.0	0.0
949	102	5.91e-03	0.58	-22.26	0.0	0.0	0.0
949	106	5.94e-03	0.18	-22.37	0.0	0.0	0.0
949	107	8.92e-03	0.22	-32.09	0.0	0.0	0.0

949	108	0.19	20.74	-24.61	0.0	0.0	0.0
949	111	-0.17	-20.30	-39.57	0.0	0.0	0.0
949	140	0.21	23.33	-23.66	0.0	0.0	0.0
949	143	-0.20	-22.88	-40.51	0.0	0.0	0.0
949	172	0.20	23.10	-23.71	0.0	0.0	0.0
949	175	-0.18	-22.66	-40.47	0.0	0.0	0.0
949	204	0.23	26.98	-22.27	0.0	0.0	0.0
949	207	-0.22	-26.53	-41.91	0.0	0.0	0.0
953	1	0.01	2.02	-30.88	0.0	0.0	0.0
953	4	0.02	2.11	-58.28	0.0	0.0	0.0
953	45	5.13e-03	-2.86	-20.31	0.0	0.0	0.0
953	65	8.81e-03	1.36	-22.64	0.0	0.0	0.0
953	68	0.02	1.42	-40.90	0.0	0.0	0.0
953	85	6.46e-03	-1.85	-21.93	0.0	0.0	0.0
953	97	7.93e-03	0.16	-22.38	0.0	0.0	0.0
953	98	0.01	0.20	-33.98	0.0	0.0	0.0
953	104	7.63e-03	-0.24	-22.29	0.0	0.0	0.0
953	106	7.93e-03	0.16	-22.38	0.0	0.0	0.0
953	107	0.01	0.20	-32.32	0.0	0.0	0.0
953	108	0.16	20.74	-26.73	0.0	0.0	0.0
953	133	6.76e-03	-13.63	-23.95	0.0	0.0	0.0
953	134	0.02	14.02	-40.69	0.0	0.0	0.0
953	140	0.17	23.33	-26.03	0.0	0.0	0.0
953	165	6.06e-03	-15.38	-22.91	0.0	0.0	0.0
953	166	0.02	15.77	-41.73	0.0	0.0	0.0
953	172	0.16	23.11	-26.31	0.0	0.0	0.0
953	197	5.46e-03	-15.37	-23.13	0.0	0.0	0.0
953	198	0.02	15.76	-41.51	0.0	0.0	0.0
953	204	0.19	26.99	-25.42	0.0	0.0	0.0
953	229	4.04e-03	-18.04	-21.68	0.0	0.0	0.0
953	230	0.02	18.43	-42.96	0.0	0.0	0.0
957	1	0.03	1.97	-35.49	0.0	0.0	0.0
957	4	0.05	2.03	-65.79	0.0	0.0	0.0
957	45	6.41e-03	-2.85	-18.74	0.0	0.0	0.0
957	65	0.02	1.33	-25.88	0.0	0.0	0.0
957	68	0.04	1.37	-46.07	0.0	0.0	0.0
957	85	0.01	-1.85	-21.62	0.0	0.0	0.0
957	97	0.02	0.14	-24.30	0.0	0.0	0.0
957	98	0.03	0.17	-37.14	0.0	0.0	0.0
957	104	0.02	-0.26	-23.76	0.0	0.0	0.0
957	106	0.02	0.14	-24.30	0.0	0.0	0.0
957	107	0.03	0.16	-35.30	0.0	0.0	0.0
957	108	0.12	20.61	-23.69	0.0	0.0	0.0
957	133	-0.01	-13.43	-3.68	0.0	0.0	0.0
957	134	0.06	13.76	-66.93	0.0	0.0	0.0
957	140	0.13	23.18	-22.24	0.0	0.0	0.0
957	165	-0.02	-15.15	0.28	0.0	0.0	0.0
957	166	0.07	15.48	-70.88	0.0	0.0	0.0
957	172	0.12	22.97	-23.34	0.0	0.0	0.0
957	197	-0.02	-15.14	-0.47	0.0	0.0	0.0
957	198	0.07	15.47	-70.14	0.0	0.0	0.0
957	204	0.13	26.83	-21.90	0.0	0.0	0.0
957	229	-0.03	-17.77	5.06	0.0	0.0	0.0
957	230	0.08	18.10	-75.67	0.0	0.0	0.0
961	1	-0.77	0.94	-31.69	0.0	0.0	0.0
961	4	-1.33	0.96	-54.80	0.0	0.0	0.0
961	45	-0.27	-1.38	-6.89	0.0	0.0	0.0
961	65	-0.56	0.63	-22.83	0.0	0.0	0.0
961	68	-0.93	0.64	-38.24	0.0	0.0	0.0
961	85	-0.36	-0.90	-11.60	0.0	0.0	0.0
961	97	-0.48	0.06	-18.67	0.0	0.0	0.0
961	98	-0.72	0.07	-28.47	0.0	0.0	0.0
961	104	-0.46	-0.13	-17.25	0.0	0.0	0.0
961	106	-0.48	0.06	-18.67	0.0	0.0	0.0
961	107	-0.69	0.07	-27.07	0.0	0.0	0.0
961	108	6.45	10.16	4.59	0.0	0.0	0.0
961	133	-0.94	-6.52	68.81	0.0	0.0	0.0
961	134	-0.44	6.65	-122.95	0.0	0.0	0.0
961	140	7.35	11.44	8.55	0.0	0.0	0.0
961	165	-0.98	-7.35	80.81	0.0	0.0	0.0
961	166	-0.40	7.49	-134.95	0.0	0.0	0.0
961	172	7.31	11.34	5.41	0.0	0.0	0.0
961	197	-0.99	-7.35	78.69	0.0	0.0	0.0
961	198	-0.39	7.48	-132.82	0.0	0.0	0.0
961	204	8.68	13.25	9.27	0.0	0.0	0.0

961	229	-1.05	-8.62	95.61	0.0	0.0	0.0
961	230	-0.33	8.76	-149.74	0.0	0.0	0.0
1000	1	1.74	1.19e-04	-11.83	0.0	0.0	0.0
1000	4	3.12	3.87e-03	-20.49	0.0	0.0	0.0
1000	45	0.51	0.02	-4.83	0.0	0.0	0.0
1000	65	1.26	6.23e-04	-8.62	0.0	0.0	0.0
1000	68	2.18	3.12e-03	-14.39	0.0	0.0	0.0
1000	85	0.74	0.01	-6.07	0.0	0.0	0.0
1000	97	1.07	5.38e-03	-7.68	0.0	0.0	0.0
1000	98	1.65	6.96e-03	-11.35	0.0	0.0	0.0
1000	104	1.00	7.22e-03	-7.36	0.0	0.0	0.0
1000	106	1.07	5.38e-03	-7.68	0.0	0.0	0.0
1000	107	1.57	6.73e-03	-10.83	0.0	0.0	0.0
1000	108	15.89	-0.01	-2.54	0.0	0.0	0.0
1000	133	0.84	-0.08	14.31	0.0	0.0	0.0
1000	134	2.29	0.09	-35.97	0.0	0.0	0.0
1000	140	17.70	-0.01	-1.51	0.0	0.0	0.0
1000	165	0.75	-0.09	17.46	0.0	0.0	0.0
1000	166	2.38	0.10	-39.11	0.0	0.0	0.0
1000	172	17.59	-0.01	-2.33	0.0	0.0	0.0
1000	197	0.74	-0.09	16.90	0.0	0.0	0.0
1000	198	2.39	0.10	-38.55	0.0	0.0	0.0
1000	204	20.33	-0.02	-1.32	0.0	0.0	0.0
1000	229	0.59	-0.10	21.33	0.0	0.0	0.0
1000	230	2.54	0.12	-42.99	0.0	0.0	0.0
1004	1	0.54	2.43e-03	-6.42	0.0	0.0	0.0
1004	4	1.01	5.16e-03	-10.21	0.0	0.0	0.0
1004	45	0.16	8.63e-03	-2.99	0.0	0.0	0.0
1004	65	0.39	1.99e-03	-4.72	0.0	0.0	0.0
1004	68	0.70	3.81e-03	-7.25	0.0	0.0	0.0
1004	85	0.23	7.09e-03	-3.55	0.0	0.0	0.0
1004	97	0.33	3.66e-03	-4.29	0.0	0.0	0.0
1004	98	0.53	4.80e-03	-5.90	0.0	0.0	0.0
1004	104	0.31	4.34e-03	-4.14	0.0	0.0	0.0
1004	106	0.33	3.66e-03	-4.29	0.0	0.0	0.0
1004	107	0.50	4.64e-03	-5.67	0.0	0.0	0.0
1004	108	14.80	1.34e-03	-4.70	0.0	0.0	0.0
1004	133	-0.38	-0.06	-2.46	0.0	0.0	0.0
1004	134	1.37	0.07	-8.88	0.0	0.0	0.0
1004	140	16.60	8.37e-04	-4.58	0.0	0.0	0.0
1004	165	-0.49	-0.06	-2.06	0.0	0.0	0.0
1004	166	1.48	0.07	-9.28	0.0	0.0	0.0
1004	172	16.48	7.86e-04	-4.67	0.0	0.0	0.0
1004	197	-0.49	-0.06	-2.12	0.0	0.0	0.0
1004	198	1.49	0.07	-9.22	0.0	0.0	0.0
1004	204	19.22	3.35e-04	-4.55	0.0	0.0	0.0
1004	229	-0.66	-0.07	-1.55	0.0	0.0	0.0
1004	230	1.66	0.08	-9.79	0.0	0.0	0.0
1008	1	0.48	1.44e-03	-2.78	0.0	0.0	0.0
1008	4	0.92	2.27e-03	-3.51	0.0	0.0	0.0
1008	45	0.15	1.41e-03	-1.77	0.0	0.0	0.0
1008	65	0.35	1.07e-03	-2.10	0.0	0.0	0.0
1008	68	0.64	1.63e-03	-2.59	0.0	0.0	0.0
1008	85	0.21	1.35e-03	-1.88	0.0	0.0	0.0
1008	97	0.30	1.13e-03	-2.01	0.0	0.0	0.0
1008	98	0.48	1.48e-03	-2.33	0.0	0.0	0.0
1008	104	0.28	1.17e-03	-1.99	0.0	0.0	0.0
1008	106	0.30	1.13e-03	-2.01	0.0	0.0	0.0
1008	107	0.45	1.43e-03	-2.28	0.0	0.0	0.0
1008	108	14.74	-0.02	-3.93	0.0	0.0	0.0
1008	111	-13.83	0.02	-0.63	0.0	0.0	0.0
1008	140	16.54	-0.02	-4.14	0.0	0.0	0.0
1008	143	-15.64	0.02	-0.43	0.0	0.0	0.0
1008	172	16.42	-0.02	-4.13	0.0	0.0	0.0
1008	175	-15.51	0.02	-0.43	0.0	0.0	0.0
1008	204	19.15	-0.03	-4.45	0.0	0.0	0.0
1008	207	-18.25	0.03	-0.11	0.0	0.0	0.0
1012	1	0.46	-4.81e-04	-2.53	0.0	0.0	0.0
1012	4	0.87	-1.40e-03	-2.68	0.0	0.0	0.0
1012	45	0.14	-3.53e-03	-1.91	0.0	0.0	0.0
1012	65	0.33	-4.43e-04	-1.94	0.0	0.0	0.0
1012	68	0.60	-1.06e-03	-2.04	0.0	0.0	0.0
1012	85	0.20	-2.80e-03	-1.92	0.0	0.0	0.0
1012	97	0.28	-1.23e-03	-1.93	0.0	0.0	0.0
1012	98	0.46	-1.61e-03	-1.99	0.0	0.0	0.0

1012	104	0.26	-1.54e-03	-1.93	0.0	0.0	0.0
1012	106	0.28	-1.23e-03	-1.93	0.0	0.0	0.0
1012	107	0.43	-1.56e-03	-1.99	0.0	0.0	0.0
1012	108	14.39	0.08	-18.80	0.0	0.0	0.0
1012	113	11.47	0.02	-18.84	0.0	0.0	0.0
1012	114	-10.60	-0.02	14.87	0.0	0.0	0.0
1012	140	16.15	0.09	-20.93	0.0	0.0	0.0
1012	145	12.86	0.02	-20.97	0.0	0.0	0.0
1012	146	-12.00	-0.02	17.00	0.0	0.0	0.0
1012	172	16.03	0.09	-20.75	0.0	0.0	0.0
1012	177	12.77	0.02	-20.79	0.0	0.0	0.0
1012	178	-11.91	-0.02	16.82	0.0	0.0	0.0
1012	204	18.70	0.10	-23.94	0.0	0.0	0.0
1012	209	14.89	0.02	-23.99	0.0	0.0	0.0
1012	210	-14.02	-0.03	20.02	0.0	0.0	0.0
1016	1	0.22	-1.34e-03	-1.97	0.0	0.0	0.0
1016	4	0.42	-2.89e-03	-2.42	0.0	0.0	0.0
1016	45	0.07	-5.53e-03	-1.38	0.0	0.0	0.0
1016	65	0.16	-1.13e-03	-1.50	0.0	0.0	0.0
1016	68	0.29	-2.16e-03	-1.79	0.0	0.0	0.0
1016	85	0.10	-4.50e-03	-1.43	0.0	0.0	0.0
1016	97	0.13	-2.24e-03	-1.47	0.0	0.0	0.0
1016	98	0.22	-2.90e-03	-1.66	0.0	0.0	0.0
1016	104	0.13	-2.70e-03	-1.46	0.0	0.0	0.0
1016	106	0.13	-2.24e-03	-1.47	0.0	0.0	0.0
1016	107	0.21	-2.80e-03	-1.63	0.0	0.0	0.0
1016	108	6.99	-7.61e-03	-42.99	0.0	0.0	0.0
1016	111	-6.58	2.00e-03	39.72	0.0	0.0	0.0
1016	140	7.85	-8.30e-03	-48.22	0.0	0.0	0.0
1016	143	-7.44	2.69e-03	44.95	0.0	0.0	0.0
1016	172	7.79	-8.23e-03	-47.80	0.0	0.0	0.0
1016	175	-7.38	2.62e-03	44.53	0.0	0.0	0.0
1016	204	9.09	-9.02e-03	-55.67	0.0	0.0	0.0
1016	207	-8.68	3.41e-03	52.40	0.0	0.0	0.0
1044	1	0.02	-3.34e-03	-1.37	0.0	0.0	0.0
1044	8	0.02	-3.78e-03	-0.84	0.0	0.0	0.0
1044	41	0.02	-1.13e-03	-1.39	0.0	0.0	0.0
1044	65	0.01	-2.37e-03	-1.06	0.0	0.0	0.0
1044	68	0.02	-3.02e-03	-0.91	0.0	0.0	0.0
1044	85	0.01	-8.94e-04	-1.08	0.0	0.0	0.0
1044	97	0.01	-1.37e-03	-1.07	0.0	0.0	0.0
1044	98	0.02	-1.78e-03	-0.97	0.0	0.0	0.0
1044	104	0.01	-1.28e-03	-1.07	0.0	0.0	0.0
1044	106	0.01	-1.37e-03	-1.07	0.0	0.0	0.0
1044	107	0.02	-1.72e-03	-0.98	0.0	0.0	0.0
1044	108	7.19	0.05	41.13	0.0	0.0	0.0
1044	112	5.66	0.06	41.15	0.0	0.0	0.0
1044	115	-5.63	-0.06	-43.12	0.0	0.0	0.0
1044	140	8.09	0.06	46.46	0.0	0.0	0.0
1044	144	6.38	0.06	46.48	0.0	0.0	0.0
1044	147	-6.34	-0.07	-48.45	0.0	0.0	0.0
1044	172	8.02	0.06	46.03	0.0	0.0	0.0
1044	176	6.32	0.06	46.05	0.0	0.0	0.0
1044	179	-6.29	-0.07	-48.02	0.0	0.0	0.0
1044	204	9.39	0.07	54.04	0.0	0.0	0.0
1044	208	7.40	0.07	54.07	0.0	0.0	0.0
1044	211	-7.36	-0.08	-56.04	0.0	0.0	0.0
1047	1	0.03	2.29e-03	-2.33	0.0	0.0	0.0
1047	8	0.05	2.55e-03	-1.67	0.0	0.0	0.0
1047	41	0.03	1.04e-03	-2.35	0.0	0.0	0.0
1047	65	0.02	1.65e-03	-1.80	0.0	0.0	0.0
1047	68	0.04	2.13e-03	-1.71	0.0	0.0	0.0
1047	85	0.03	8.18e-04	-1.81	0.0	0.0	0.0
1047	97	0.02	1.19e-03	-1.80	0.0	0.0	0.0
1047	98	0.03	1.49e-03	-1.74	0.0	0.0	0.0
1047	104	0.02	1.12e-03	-1.80	0.0	0.0	0.0
1047	106	0.02	1.19e-03	-1.80	0.0	0.0	0.0
1047	107	0.03	1.45e-03	-1.75	0.0	0.0	0.0
1047	108	14.76	-4.76e-03	14.69	0.0	0.0	0.0
1047	111	-14.69	7.66e-03	-18.20	0.0	0.0	0.0
1047	140	16.62	-5.66e-03	16.77	0.0	0.0	0.0
1047	143	-16.55	8.56e-03	-20.28	0.0	0.0	0.0
1047	172	16.47	-5.70e-03	16.61	0.0	0.0	0.0
1047	175	-16.40	8.60e-03	-20.11	0.0	0.0	0.0
1047	204	19.27	-6.79e-03	19.74	0.0	0.0	0.0

1047	207	-19.20	9.70e-03	-23.24	0.0	0.0	0.0
1053	1	0.03	8.77e-03	-2.06	0.0	0.0	0.0
1053	4	0.05	0.01	-2.15	0.0	0.0	0.0
1053	45	0.02	2.09e-03	-1.56	0.0	0.0	0.0
1053	65	0.02	6.26e-03	-1.58	0.0	0.0	0.0
1053	68	0.03	8.06e-03	-1.64	0.0	0.0	0.0
1053	85	0.02	2.85e-03	-1.57	0.0	0.0	0.0
1053	97	0.02	4.01e-03	-1.57	0.0	0.0	0.0
1053	98	0.03	5.13e-03	-1.61	0.0	0.0	0.0
1053	104	0.02	3.77e-03	-1.57	0.0	0.0	0.0
1053	106	0.02	4.01e-03	-1.57	0.0	0.0	0.0
1053	107	0.03	4.97e-03	-1.61	0.0	0.0	0.0
1053	108	15.08	8.73e-04	-0.52	0.0	0.0	0.0
1053	113	15.10	-0.04	-0.23	0.0	0.0	0.0
1053	114	-15.04	0.05	-2.99	0.0	0.0	0.0
1053	140	16.98	3.01e-04	-0.38	0.0	0.0	0.0
1053	145	17.00	-0.04	-0.05	0.0	0.0	0.0
1053	146	-16.95	0.05	-3.16	0.0	0.0	0.0
1053	172	16.83	6.30e-04	-0.39	0.0	0.0	0.0
1053	177	16.85	-0.04	-0.07	0.0	0.0	0.0
1053	178	-16.79	0.05	-3.15	0.0	0.0	0.0
1053	204	19.69	1.29e-04	-0.18	0.0	0.0	0.0
1053	209	19.72	-0.05	0.19	0.0	0.0	0.0
1053	210	-19.66	0.06	-3.41	0.0	0.0	0.0
1057	1	0.02	0.02	-2.50	0.0	0.0	0.0
1057	4	0.03	0.02	-3.14	0.0	0.0	0.0
1057	45	0.02	3.59e-03	-1.76	0.0	0.0	0.0
1057	65	0.01	0.01	-1.89	0.0	0.0	0.0
1057	68	0.02	0.01	-2.32	0.0	0.0	0.0
1057	85	0.02	4.84e-03	-1.81	0.0	0.0	0.0
1057	97	0.01	6.72e-03	-1.87	0.0	0.0	0.0
1057	98	0.02	8.70e-03	-2.14	0.0	0.0	0.0
1057	104	0.02	6.34e-03	-1.85	0.0	0.0	0.0
1057	106	0.01	6.72e-03	-1.87	0.0	0.0	0.0
1057	107	0.02	8.41e-03	-2.10	0.0	0.0	0.0
1057	108	15.09	4.82e-03	-1.83	0.0	0.0	0.0
1057	133	9.44	-0.05	-1.68	0.0	0.0	0.0
1057	134	-9.40	0.07	-2.52	0.0	0.0	0.0
1057	140	16.99	4.39e-03	-1.80	0.0	0.0	0.0
1057	165	10.63	-0.06	-1.62	0.0	0.0	0.0
1057	166	-10.59	0.07	-2.57	0.0	0.0	0.0
1057	172	16.84	5.27e-03	-1.82	0.0	0.0	0.0
1057	197	10.53	-0.05	-1.63	0.0	0.0	0.0
1057	198	-10.49	0.07	-2.56	0.0	0.0	0.0
1057	204	19.71	5.10e-03	-1.77	0.0	0.0	0.0
1057	229	12.31	-0.06	-1.56	0.0	0.0	0.0
1057	230	-12.27	0.08	-2.64	0.0	0.0	0.0
1061	1	1.18e-03	0.02	-5.20	0.0	0.0	0.0
1061	4	1.64e-03	0.03	-8.60	0.0	0.0	0.0
1061	45	9.08e-03	5.45e-03	-3.10	0.0	0.0	0.0
1061	65	1.20e-03	0.01	-3.84	0.0	0.0	0.0
1061	68	1.50e-03	0.02	-6.11	0.0	0.0	0.0
1061	85	7.17e-03	6.98e-03	-3.41	0.0	0.0	0.0
1061	97	3.28e-03	9.17e-03	-3.68	0.0	0.0	0.0
1061	98	3.35e-03	0.01	-5.13	0.0	0.0	0.0
1061	104	4.06e-03	8.74e-03	-3.63	0.0	0.0	0.0
1061	106	3.28e-03	9.17e-03	-3.68	0.0	0.0	0.0
1061	107	3.34e-03	0.01	-4.92	0.0	0.0	0.0
1061	108	15.11	8.67e-03	-5.71	0.0	0.0	0.0
1061	132	-1.34	0.05	-6.32	0.0	0.0	0.0
1061	135	1.35	-0.02	-3.53	0.0	0.0	0.0
1061	140	17.02	8.40e-03	-5.81	0.0	0.0	0.0
1061	164	-1.50	0.05	-6.49	0.0	0.0	0.0
1061	167	1.51	-0.03	-3.35	0.0	0.0	0.0
1061	172	16.86	9.69e-03	-5.80	0.0	0.0	0.0
1061	200	-2.30	0.05	-6.48	0.0	0.0	0.0
1061	203	2.31	-0.03	-3.37	0.0	0.0	0.0
1061	204	19.74	9.71e-03	-5.95	0.0	0.0	0.0
1061	232	-2.58	0.06	-6.74	0.0	0.0	0.0
1061	235	2.58	-0.03	-3.10	0.0	0.0	0.0
1065	1	-0.04	0.02	-18.78	0.0	0.0	0.0
1065	4	-0.08	0.03	-35.79	0.0	0.0	0.0
1065	45	-6.75e-03	9.08e-03	-9.53	0.0	0.0	0.0
1065	65	-0.03	0.02	-13.64	0.0	0.0	0.0
1065	68	-0.05	0.02	-24.99	0.0	0.0	0.0

1065	85	-0.01	0.01	-11.17	0.0	0.0	0.0
1065	97	-0.02	0.01	-12.73	0.0	0.0	0.0
1065	98	-0.04	0.01	-19.97	0.0	0.0	0.0
1065	104	-0.02	0.01	-12.42	0.0	0.0	0.0
1065	106	-0.02	0.01	-12.73	0.0	0.0	0.0
1065	107	-0.04	0.01	-18.94	0.0	0.0	0.0
1065	108	11.89	-0.03	-25.84	0.0	0.0	0.0
1065	132	-1.47	-0.06	-31.17	0.0	0.0	0.0
1065	135	1.40	0.09	-6.71	0.0	0.0	0.0
1065	140	13.40	-0.03	-26.71	0.0	0.0	0.0
1065	164	-1.65	-0.07	-32.70	0.0	0.0	0.0
1065	167	1.57	0.10	-5.17	0.0	0.0	0.0
1065	172	13.28	-0.03	-26.63	0.0	0.0	0.0
1065	200	-2.44	-0.07	-32.61	0.0	0.0	0.0
1065	203	2.37	0.10	-5.27	0.0	0.0	0.0
1065	204	15.56	-0.04	-27.93	0.0	0.0	0.0
1065	232	-2.73	-0.08	-34.92	0.0	0.0	0.0
1065	235	2.66	0.11	-2.95	0.0	0.0	0.0
1069	1	0.05	3.26	-55.34	0.0	0.0	0.0
1069	4	0.11	5.37	-105.06	0.0	0.0	0.0
1069	45	0.03	-0.44	-20.70	0.0	0.0	0.0
1069	65	0.04	2.30	-39.91	0.0	0.0	0.0
1069	68	0.07	3.71	-73.05	0.0	0.0	0.0
1069	85	0.04	0.29	-27.19	0.0	0.0	0.0
1069	97	0.04	1.53	-35.14	0.0	0.0	0.0
1069	98	0.06	2.42	-56.29	0.0	0.0	0.0
1069	104	0.04	1.28	-33.55	0.0	0.0	0.0
1069	106	0.04	1.53	-35.14	0.0	0.0	0.0
1069	107	0.06	2.29	-53.27	0.0	0.0	0.0
1069	108	15.89	7.41	-94.02	0.0	0.0	0.0
1069	136	-2.17	11.99	-127.37	0.0	0.0	0.0
1069	139	2.28	-7.40	20.84	0.0	0.0	0.0
1069	140	17.89	8.05	-99.14	0.0	0.0	0.0
1069	168	-2.43	13.21	-136.69	0.0	0.0	0.0
1069	171	2.55	-8.62	30.16	0.0	0.0	0.0
1069	172	17.73	7.98	-98.64	0.0	0.0	0.0
1069	200	-2.33	13.13	-136.09	0.0	0.0	0.0
1069	203	2.44	-8.54	29.56	0.0	0.0	0.0
1069	204	20.75	8.92	-106.24	0.0	0.0	0.0
1069	232	-2.62	14.95	-150.10	0.0	0.0	0.0
1069	235	2.73	-10.36	43.57	0.0	0.0	0.0
1120	1	0.14	0.03	-18.58	0.0	0.0	0.0
1120	4	0.28	0.03	-35.25	0.0	0.0	0.0
1120	45	0.07	9.44e-03	-9.51	0.0	0.0	0.0
1120	65	0.10	0.02	-13.51	0.0	0.0	0.0
1120	68	0.19	0.02	-24.62	0.0	0.0	0.0
1120	85	0.08	0.01	-11.11	0.0	0.0	0.0
1120	97	0.09	0.01	-12.62	0.0	0.0	0.0
1120	98	0.15	0.02	-19.72	0.0	0.0	0.0
1120	104	0.09	0.01	-12.32	0.0	0.0	0.0
1120	106	0.09	0.01	-12.62	0.0	0.0	0.0
1120	107	0.14	0.01	-18.70	0.0	0.0	0.0
1120	108	16.74	7.99e-03	-25.53	0.0	0.0	0.0
1120	132	10.38	0.08	-30.77	0.0	0.0	0.0
1120	135	-10.09	-0.05	-6.64	0.0	0.0	0.0
1120	140	18.84	7.20e-03	-26.38	0.0	0.0	0.0
1120	164	11.67	0.09	-32.28	0.0	0.0	0.0
1120	167	-11.38	-0.06	-5.13	0.0	0.0	0.0
1120	172	18.68	7.97e-03	-26.31	0.0	0.0	0.0
1120	200	10.68	0.09	-32.18	0.0	0.0	0.0
1120	203	-10.40	-0.06	-5.22	0.0	0.0	0.0
1120	204	21.84	6.86e-03	-27.59	0.0	0.0	0.0
1120	232	12.59	0.10	-34.47	0.0	0.0	0.0
1120	235	-12.30	-0.07	-2.94	0.0	0.0	0.0
1124	1	0.09	0.02	-4.83	0.0	0.0	0.0
1124	4	0.19	0.03	-7.67	0.0	0.0	0.0
1124	45	0.05	5.45e-03	-2.96	0.0	0.0	0.0
1124	65	0.07	0.02	-3.59	0.0	0.0	0.0
1124	68	0.13	0.02	-5.48	0.0	0.0	0.0
1124	85	0.06	7.09e-03	-3.22	0.0	0.0	0.0
1124	97	0.06	9.46e-03	-3.45	0.0	0.0	0.0
1124	98	0.11	0.01	-4.66	0.0	0.0	0.0
1124	104	0.06	8.99e-03	-3.40	0.0	0.0	0.0
1124	106	0.06	9.46e-03	-3.45	0.0	0.0	0.0
1124	107	0.10	0.01	-4.48	0.0	0.0	0.0

1124	108	16.61	2.92e-03	-5.28	0.0	0.0	0.0
1124	124	10.37	0.04	-5.60	0.0	0.0	0.0
1124	127	-10.17	-0.02	-3.37	0.0	0.0	0.0
1124	140	18.69	1.87e-03	-5.38	0.0	0.0	0.0
1124	156	11.66	0.05	-5.74	0.0	0.0	0.0
1124	159	-11.46	-0.02	-3.23	0.0	0.0	0.0
1124	172	18.53	3.31e-03	-5.37	0.0	0.0	0.0
1124	188	11.54	0.05	-5.72	0.0	0.0	0.0
1124	191	-11.35	-0.02	-3.25	0.0	0.0	0.0
1124	204	21.67	2.30e-03	-5.53	0.0	0.0	0.0
1124	220	13.48	0.05	-5.92	0.0	0.0	0.0
1124	223	-13.28	-0.03	-3.05	0.0	0.0	0.0
1128	1	0.08	0.01	-2.58	0.0	0.0	0.0
1128	4	0.16	0.02	-3.04	0.0	0.0	0.0
1128	45	0.04	3.41e-03	-1.86	0.0	0.0	0.0
1128	65	0.05	0.01	-1.96	0.0	0.0	0.0
1128	68	0.11	0.01	-2.27	0.0	0.0	0.0
1128	85	0.05	4.60e-03	-1.90	0.0	0.0	0.0
1128	97	0.05	6.38e-03	-1.94	0.0	0.0	0.0
1128	98	0.09	8.25e-03	-2.14	0.0	0.0	0.0
1128	104	0.05	6.03e-03	-1.93	0.0	0.0	0.0
1128	106	0.05	6.38e-03	-1.94	0.0	0.0	0.0
1128	107	0.08	7.98e-03	-2.11	0.0	0.0	0.0
1128	108	16.57	4.90e-03	-3.08	0.0	0.0	0.0
1128	111	-16.40	0.01	-1.14	0.0	0.0	0.0
1128	140	18.65	4.64e-03	-3.20	0.0	0.0	0.0
1128	143	-18.49	0.01	-1.02	0.0	0.0	0.0
1128	172	18.48	6.46e-03	-3.19	0.0	0.0	0.0
1128	175	-18.32	9.51e-03	-1.03	0.0	0.0	0.0
1128	204	21.62	6.76e-03	-3.37	0.0	0.0	0.0
1128	207	-21.46	9.21e-03	-0.85	0.0	0.0	0.0
1132	1	0.06	6.18e-03	-2.70	0.0	0.0	0.0
1132	4	0.14	8.12e-03	-2.79	0.0	0.0	0.0
1132	45	0.03	1.65e-03	-2.06	0.0	0.0	0.0
1132	65	0.05	4.43e-03	-2.07	0.0	0.0	0.0
1132	68	0.10	5.73e-03	-2.13	0.0	0.0	0.0
1132	85	0.04	2.19e-03	-2.07	0.0	0.0	0.0
1132	97	0.04	3.00e-03	-2.07	0.0	0.0	0.0
1132	98	0.08	3.81e-03	-2.11	0.0	0.0	0.0
1132	104	0.04	2.84e-03	-2.07	0.0	0.0	0.0
1132	106	0.04	3.00e-03	-2.07	0.0	0.0	0.0
1132	107	0.07	3.70e-03	-2.10	0.0	0.0	0.0
1132	108	16.23	7.62e-03	-17.75	0.0	0.0	0.0
1132	113	12.79	-0.04	-17.77	0.0	0.0	0.0
1132	114	-12.65	0.05	13.56	0.0	0.0	0.0
1132	140	18.27	8.25e-03	-19.73	0.0	0.0	0.0
1132	145	14.41	-0.05	-19.75	0.0	0.0	0.0
1132	146	-14.26	0.06	15.54	0.0	0.0	0.0
1132	172	18.11	0.01	-19.56	0.0	0.0	0.0
1132	177	14.28	-0.04	-19.59	0.0	0.0	0.0
1132	178	-14.14	0.05	15.38	0.0	0.0	0.0
1132	204	21.18	0.01	-22.54	0.0	0.0	0.0
1132	209	16.71	-0.05	-22.57	0.0	0.0	0.0
1132	210	-16.57	0.06	18.36	0.0	0.0	0.0
1136	1	0.03	-1.76e-03	-1.82	0.0	0.0	0.0
1136	4	0.06	-2.33e-03	-1.93	0.0	0.0	0.0
1136	45	0.01	-6.16e-04	-1.38	0.0	0.0	0.0
1136	65	0.02	-1.25e-03	-1.39	0.0	0.0	0.0
1136	68	0.04	-1.62e-03	-1.47	0.0	0.0	0.0
1136	85	0.02	-6.75e-04	-1.39	0.0	0.0	0.0
1136	97	0.02	-7.18e-04	-1.39	0.0	0.0	0.0
1136	98	0.03	-9.57e-04	-1.44	0.0	0.0	0.0
1136	104	0.02	-7.10e-04	-1.39	0.0	0.0	0.0
1136	106	0.02	-7.18e-04	-1.39	0.0	0.0	0.0
1136	107	0.03	-9.23e-04	-1.43	0.0	0.0	0.0
1136	108	7.92	-3.20e-03	-44.83	0.0	0.0	0.0
1136	113	6.24	-0.04	-44.87	0.0	0.0	0.0
1136	114	-6.18	0.04	42.01	0.0	0.0	0.0
1136	140	8.92	-3.50e-03	-50.31	0.0	0.0	0.0
1136	145	7.03	-0.04	-50.37	0.0	0.0	0.0
1136	146	-6.97	0.04	47.50	0.0	0.0	0.0
1136	172	8.84	-3.23e-03	-49.87	0.0	0.0	0.0
1136	177	6.97	-0.04	-49.92	0.0	0.0	0.0
1136	178	-6.91	0.04	47.06	0.0	0.0	0.0
1136	204	10.34	-3.55e-03	-58.12	0.0	0.0	0.0

1136	209	8.16	-0.05	-58.19	0.0	0.0	0.0
1136	210	-8.09	0.05	55.32	0.0	0.0	0.0
1164	1	2.28e-03	-1.70e-03	-1.65	0.0	0.0	0.0
1164	32	-1.11e-03	-1.10e-03	-1.21	0.0	0.0	0.0
1164	49	3.59e-03	-9.00e-04	-1.65	0.0	0.0	0.0
1164	65	2.11e-03	-1.20e-03	-1.27	0.0	0.0	0.0
1164	80	6.30e-05	-9.78e-04	-1.23	0.0	0.0	0.0
1164	89	2.99e-03	-6.68e-04	-1.27	0.0	0.0	0.0
1164	97	2.99e-03	-6.68e-04	-1.27	0.0	0.0	0.0
1164	98	3.78e-04	-8.52e-04	-1.25	0.0	0.0	0.0
1164	106	2.99e-03	-6.68e-04	-1.27	0.0	0.0	0.0
1164	107	7.51e-04	-8.26e-04	-1.25	0.0	0.0	0.0
1164	108	7.88	0.03	42.13	0.0	0.0	0.0
1164	113	7.90	-1.25e-03	42.18	0.0	0.0	0.0
1164	114	-7.90	-3.97e-04	-44.68	0.0	0.0	0.0
1164	140	8.88	0.04	47.61	0.0	0.0	0.0
1164	145	8.90	-1.31e-03	47.68	0.0	0.0	0.0
1164	146	-8.90	-3.42e-04	-50.17	0.0	0.0	0.0
1164	172	8.80	0.04	47.17	0.0	0.0	0.0
1164	177	8.82	-1.52e-03	47.23	0.0	0.0	0.0
1164	178	-8.82	-1.27e-04	-49.73	0.0	0.0	0.0
1164	204	10.30	0.04	55.42	0.0	0.0	0.0
1164	209	10.32	-1.64e-03	55.50	0.0	0.0	0.0
1164	210	-10.32	-1.09e-05	-58.00	0.0	0.0	0.0
1167	1	-2.01e-03	5.92e-03	-2.64	0.0	0.0	0.0
1167	4	-0.02	7.64e-03	-2.66	0.0	0.0	0.0
1167	45	7.49e-03	1.30e-03	-2.02	0.0	0.0	0.0
1167	65	-7.60e-04	4.24e-03	-2.03	0.0	0.0	0.0
1167	68	-9.57e-03	5.38e-03	-2.04	0.0	0.0	0.0
1167	85	4.93e-03	1.87e-03	-2.02	0.0	0.0	0.0
1167	97	1.11e-03	2.76e-03	-2.03	0.0	0.0	0.0
1167	98	-4.63e-03	3.48e-03	-2.04	0.0	0.0	0.0
1167	104	1.88e-03	2.58e-03	-2.02	0.0	0.0	0.0
1167	106	1.11e-03	2.76e-03	-2.03	0.0	0.0	0.0
1167	107	-3.81e-03	3.38e-03	-2.03	0.0	0.0	0.0
1167	108	16.14	0.05	13.60	0.0	0.0	0.0
1167	113	16.17	4.26e-03	13.61	0.0	0.0	0.0
1167	114	-16.18	2.50e-03	-17.68	0.0	0.0	0.0
1167	140	18.18	0.06	15.57	0.0	0.0	0.0
1167	145	18.21	4.23e-03	15.59	0.0	0.0	0.0
1167	146	-18.22	2.52e-03	-19.66	0.0	0.0	0.0
1167	172	18.02	0.06	15.41	0.0	0.0	0.0
1167	177	18.05	2.16e-03	15.43	0.0	0.0	0.0
1167	178	-18.06	4.59e-03	-19.50	0.0	0.0	0.0
1167	204	21.09	0.06	18.39	0.0	0.0	0.0
1167	209	21.13	1.30e-03	18.41	0.0	0.0	0.0
1167	210	-21.14	5.46e-03	-22.48	0.0	0.0	0.0
1173	1	-0.01	0.01	-2.58	0.0	0.0	0.0
1173	4	-0.03	0.02	-3.04	0.0	0.0	0.0
1173	45	1.86e-03	3.18e-03	-1.86	0.0	0.0	0.0
1173	65	-7.92e-03	9.95e-03	-1.96	0.0	0.0	0.0
1173	68	-0.02	0.01	-2.27	0.0	0.0	0.0
1173	85	-1.27e-03	4.37e-03	-1.90	0.0	0.0	0.0
1173	97	-5.69e-03	6.20e-03	-1.94	0.0	0.0	0.0
1173	98	-0.01	7.94e-03	-2.13	0.0	0.0	0.0
1173	104	-4.81e-03	5.84e-03	-1.93	0.0	0.0	0.0
1173	106	-5.69e-03	6.20e-03	-1.94	0.0	0.0	0.0
1173	107	-0.01	7.69e-03	-2.11	0.0	0.0	0.0
1173	108	16.46	0.05	-1.35	0.0	0.0	0.0
1173	113	16.49	0.01	-1.15	0.0	0.0	0.0
1173	114	-16.51	2.34e-03	-3.06	0.0	0.0	0.0
1173	140	18.54	0.05	-1.26	0.0	0.0	0.0
1173	145	18.57	0.01	-1.03	0.0	0.0	0.0
1173	146	-18.60	1.81e-03	-3.18	0.0	0.0	0.0
1173	172	18.37	0.05	-1.27	0.0	0.0	0.0
1173	177	18.41	0.01	-1.04	0.0	0.0	0.0
1173	178	-18.43	3.90e-03	-3.17	0.0	0.0	0.0
1173	204	21.51	0.05	-1.12	0.0	0.0	0.0
1173	209	21.55	0.01	-0.86	0.0	0.0	0.0
1173	210	-21.58	3.92e-03	-3.35	0.0	0.0	0.0
1177	1	-0.03	0.02	-4.88	0.0	0.0	0.0
1177	4	-0.06	0.03	-7.77	0.0	0.0	0.0
1177	45	-6.91e-03	5.35e-03	-2.98	0.0	0.0	0.0
1177	65	-0.02	0.02	-3.62	0.0	0.0	0.0
1177	68	-0.04	0.02	-5.54	0.0	0.0	0.0

1177	85	-0.01	6.98e-03	-3.24	0.0	0.0	0.0
1177	97	-0.02	9.37e-03	-3.48	0.0	0.0	0.0
1177	98	-0.03	0.01	-4.71	0.0	0.0	0.0
1177	104	-0.02	8.89e-03	-3.43	0.0	0.0	0.0
1177	106	-0.02	9.37e-03	-3.48	0.0	0.0	0.0
1177	107	-0.03	0.01	-4.53	0.0	0.0	0.0
1177	108	16.46	0.04	-4.44	0.0	0.0	0.0
1177	125	-1.40	-0.02	-3.49	0.0	0.0	0.0
1177	126	1.34	0.05	-5.57	0.0	0.0	0.0
1177	140	18.54	0.05	-4.43	0.0	0.0	0.0
1177	157	-1.57	-0.03	-3.36	0.0	0.0	0.0
1177	158	1.51	0.05	-5.70	0.0	0.0	0.0
1177	172	18.37	0.04	-4.44	0.0	0.0	0.0
1177	189	-1.54	-0.03	-3.37	0.0	0.0	0.0
1177	190	1.48	0.05	-5.69	0.0	0.0	0.0
1177	204	21.51	0.05	-4.42	0.0	0.0	0.0
1177	225	-2.71	-0.03	-3.18	0.0	0.0	0.0
1177	226	2.65	0.06	-5.89	0.0	0.0	0.0
1181	1	-0.07	0.03	-18.85	0.0	0.0	0.0
1181	4	-0.15	0.03	-35.81	0.0	0.0	0.0
1181	45	-0.03	9.46e-03	-9.65	0.0	0.0	0.0
1181	65	-0.05	0.02	-13.70	0.0	0.0	0.0
1181	68	-0.10	0.02	-25.01	0.0	0.0	0.0
1181	85	-0.03	0.01	-11.27	0.0	0.0	0.0
1181	97	-0.05	0.01	-12.80	0.0	0.0	0.0
1181	98	-0.08	0.01	-20.01	0.0	0.0	0.0
1181	104	-0.04	0.01	-12.49	0.0	0.0	0.0
1181	106	-0.05	0.01	-12.80	0.0	0.0	0.0
1181	107	-0.07	0.01	-18.98	0.0	0.0	0.0
1181	108	13.01	0.06	-19.83	0.0	0.0	0.0
1181	129	9.21	-0.05	-6.51	0.0	0.0	0.0
1181	130	-9.36	0.08	-31.45	0.0	0.0	0.0
1181	140	14.67	0.06	-19.93	0.0	0.0	0.0
1181	161	10.39	-0.06	-4.95	0.0	0.0	0.0
1181	162	-10.54	0.09	-33.02	0.0	0.0	0.0
1181	172	14.54	0.06	-19.97	0.0	0.0	0.0
1181	193	10.37	-0.06	-5.10	0.0	0.0	0.0
1181	194	-10.52	0.09	-32.87	0.0	0.0	0.0
1181	204	17.05	0.07	-20.15	0.0	0.0	0.0
1181	225	12.26	-0.07	-2.78	0.0	0.0	0.0
1181	226	-12.41	0.10	-35.18	0.0	0.0	0.0
1185	1	9.46e-03	3.26	-56.03	0.0	0.0	0.0
1185	4	0.02	5.37	-106.51	0.0	0.0	0.0
1185	45	9.44e-03	-0.44	-21.02	0.0	0.0	0.0
1185	65	7.00e-03	2.30	-40.39	0.0	0.0	0.0
1185	68	0.01	3.71	-74.04	0.0	0.0	0.0
1185	85	9.13e-03	0.28	-27.57	0.0	0.0	0.0
1185	97	7.56e-03	1.52	-35.55	0.0	0.0	0.0
1185	98	0.01	2.42	-57.02	0.0	0.0	0.0
1185	104	7.88e-03	1.27	-33.96	0.0	0.0	0.0
1185	106	7.56e-03	1.52	-35.55	0.0	0.0	0.0
1185	107	0.01	2.29	-53.95	0.0	0.0	0.0
1185	108	15.84	2.40	-57.59	0.0	0.0	0.0
1185	129	-2.15	-7.44	21.67	0.0	0.0	0.0
1185	130	2.17	12.02	-129.57	0.0	0.0	0.0
1185	140	17.84	2.41	-58.02	0.0	0.0	0.0
1185	161	-2.41	-8.66	31.16	0.0	0.0	0.0
1185	162	2.43	13.24	-139.06	0.0	0.0	0.0
1185	172	17.68	2.39	-58.09	0.0	0.0	0.0
1185	193	-2.30	-8.58	30.35	0.0	0.0	0.0
1185	194	2.32	13.15	-138.25	0.0	0.0	0.0
1185	204	20.69	2.39	-58.74	0.0	0.0	0.0
1185	225	-2.57	-10.41	44.46	0.0	0.0	0.0
1185	226	2.59	14.98	-152.37	0.0	0.0	0.0
1231	1	0.10	0.02	-19.05	0.0	0.0	0.0
1231	4	0.20	0.03	-36.37	0.0	0.0	0.0
1231	45	0.05	9.10e-03	-9.67	0.0	0.0	0.0
1231	65	0.07	0.02	-13.84	0.0	0.0	0.0
1231	68	0.14	0.02	-25.38	0.0	0.0	0.0
1231	85	0.06	0.01	-11.33	0.0	0.0	0.0
1231	97	0.07	0.01	-12.91	0.0	0.0	0.0
1231	98	0.11	0.01	-20.27	0.0	0.0	0.0
1231	104	0.06	0.01	-12.59	0.0	0.0	0.0
1231	106	0.07	0.01	-12.91	0.0	0.0	0.0
1231	107	0.10	0.01	-19.22	0.0	0.0	0.0

1231	108	15.24	0.01	-20.08	0.0	0.0	0.0
1231	129	-2.08	0.09	-6.58	0.0	0.0	0.0
1231	130	2.29	-0.06	-31.86	0.0	0.0	0.0
1231	140	17.15	9.75e-03	-20.19	0.0	0.0	0.0
1231	161	-2.34	0.10	-4.99	0.0	0.0	0.0
1231	162	2.55	-0.07	-33.45	0.0	0.0	0.0
1231	172	16.99	8.44e-03	-20.23	0.0	0.0	0.0
1231	193	-2.23	0.10	-5.14	0.0	0.0	0.0
1231	194	2.44	-0.07	-33.29	0.0	0.0	0.0
1231	204	19.87	7.45e-03	-20.41	0.0	0.0	0.0
1231	225	-2.51	0.11	-2.80	0.0	0.0	0.0
1231	226	2.72	-0.08	-35.64	0.0	0.0	0.0
1235	1	0.06	0.02	-5.26	0.0	0.0	0.0
1235	4	0.12	0.03	-8.72	0.0	0.0	0.0
1235	45	0.03	5.37e-03	-3.12	0.0	0.0	0.0
1235	65	0.04	0.01	-3.88	0.0	0.0	0.0
1235	68	0.08	0.02	-6.19	0.0	0.0	0.0
1235	85	0.04	6.91e-03	-3.44	0.0	0.0	0.0
1235	97	0.04	9.14e-03	-3.72	0.0	0.0	0.0
1235	98	0.07	0.01	-5.19	0.0	0.0	0.0
1235	104	0.04	8.70e-03	-3.66	0.0	0.0	0.0
1235	106	0.04	9.14e-03	-3.72	0.0	0.0	0.0
1235	107	0.06	0.01	-4.98	0.0	0.0	0.0
1235	108	15.18	0.04	-5.72	0.0	0.0	0.0
1235	129	-2.03	-0.03	-3.51	0.0	0.0	0.0
1235	130	2.15	0.05	-6.45	0.0	0.0	0.0
1235	140	17.09	0.05	-5.81	0.0	0.0	0.0
1235	161	-2.28	-0.03	-3.32	0.0	0.0	0.0
1235	162	2.40	0.05	-6.64	0.0	0.0	0.0
1235	172	16.93	0.04	-5.78	0.0	0.0	0.0
1235	193	-2.17	-0.03	-3.34	0.0	0.0	0.0
1235	194	2.29	0.05	-6.62	0.0	0.0	0.0
1235	204	19.81	0.05	-5.91	0.0	0.0	0.0
1235	225	-2.43	-0.03	-3.07	0.0	0.0	0.0
1235	226	2.55	0.06	-6.89	0.0	0.0	0.0
1239	1	0.04	0.02	-2.51	0.0	0.0	0.0
1239	4	0.09	0.02	-3.17	0.0	0.0	0.0
1239	45	0.02	3.43e-03	-1.76	0.0	0.0	0.0
1239	65	0.03	0.01	-1.90	0.0	0.0	0.0
1239	68	0.06	0.01	-2.34	0.0	0.0	0.0
1239	85	0.03	4.70e-03	-1.82	0.0	0.0	0.0
1239	97	0.03	6.63e-03	-1.87	0.0	0.0	0.0
1239	98	0.05	8.50e-03	-2.15	0.0	0.0	0.0
1239	104	0.03	6.24e-03	-1.86	0.0	0.0	0.0
1239	106	0.03	6.63e-03	-1.87	0.0	0.0	0.0
1239	107	0.04	8.23e-03	-2.11	0.0	0.0	0.0
1239	108	15.12	0.05	-2.56	0.0	0.0	0.0
1239	111	-15.03	-0.03	-1.66	0.0	0.0	0.0
1239	140	17.02	0.06	-2.62	0.0	0.0	0.0
1239	143	-16.94	-0.04	-1.60	0.0	0.0	0.0
1239	172	16.87	0.05	-2.60	0.0	0.0	0.0
1239	188	10.49	0.07	-2.60	0.0	0.0	0.0
1239	191	-10.40	-0.05	-1.62	0.0	0.0	0.0
1239	204	19.74	0.06	-2.68	0.0	0.0	0.0
1239	220	12.25	0.08	-2.68	0.0	0.0	0.0
1239	223	-12.16	-0.06	-1.54	0.0	0.0	0.0
1243	1	0.03	8.60e-03	-2.07	0.0	0.0	0.0
1243	4	0.07	0.01	-2.18	0.0	0.0	0.0
1243	45	0.02	1.86e-03	-1.57	0.0	0.0	0.0
1243	65	0.02	6.13e-03	-1.59	0.0	0.0	0.0
1243	68	0.05	7.80e-03	-1.66	0.0	0.0	0.0
1243	85	0.02	2.65e-03	-1.58	0.0	0.0	0.0
1243	97	0.02	3.86e-03	-1.58	0.0	0.0	0.0
1243	98	0.04	4.91e-03	-1.63	0.0	0.0	0.0
1243	104	0.02	3.62e-03	-1.58	0.0	0.0	0.0
1243	106	0.02	3.86e-03	-1.58	0.0	0.0	0.0
1243	107	0.04	4.76e-03	-1.62	0.0	0.0	0.0
1243	108	15.09	0.06	-3.02	0.0	0.0	0.0
1243	111	-15.02	-0.05	-0.23	0.0	0.0	0.0
1243	140	16.99	0.07	-3.19	0.0	0.0	0.0
1243	143	-16.92	-0.06	-0.05	0.0	0.0	0.0
1243	172	16.84	0.06	-3.17	0.0	0.0	0.0
1243	175	-16.77	-0.05	-0.07	0.0	0.0	0.0
1243	204	19.70	0.07	-3.43	0.0	0.0	0.0
1243	207	-19.63	-0.06	0.19	0.0	0.0	0.0

1247	1	0.03	2.07e-03	-2.40	0.0	0.0	0.0
1247	8	0.05	2.28e-03	-1.78	0.0	0.0	0.0
1247	41	0.02	6.93e-04	-2.42	0.0	0.0	0.0
1247	65	0.02	1.49e-03	-1.85	0.0	0.0	0.0
1247	68	0.04	1.88e-03	-1.80	0.0	0.0	0.0
1247	85	0.02	5.67e-04	-1.86	0.0	0.0	0.0
1247	97	0.02	1.00e-03	-1.85	0.0	0.0	0.0
1247	98	0.03	1.25e-03	-1.82	0.0	0.0	0.0
1247	104	0.02	9.13e-04	-1.85	0.0	0.0	0.0
1247	106	0.02	1.00e-03	-1.85	0.0	0.0	0.0
1247	107	0.03	1.21e-03	-1.83	0.0	0.0	0.0
1247	108	14.76	0.07	-14.81	0.0	0.0	0.0
1247	113	14.77	0.02	-18.31	0.0	0.0	0.0
1247	114	-14.71	-0.02	14.65	0.0	0.0	0.0
1247	140	16.62	0.08	-16.45	0.0	0.0	0.0
1247	145	16.63	0.02	-20.39	0.0	0.0	0.0
1247	146	-16.57	-0.02	16.73	0.0	0.0	0.0
1247	172	16.47	0.08	-16.32	0.0	0.0	0.0
1247	177	16.49	0.02	-20.22	0.0	0.0	0.0
1247	178	-16.42	-0.02	16.56	0.0	0.0	0.0
1247	204	19.27	0.09	-18.80	0.0	0.0	0.0
1247	209	19.29	0.02	-23.35	0.0	0.0	0.0
1247	210	-19.23	-0.02	19.70	0.0	0.0	0.0
1251	1	0.01	-3.54e-03	-1.53	0.0	0.0	0.0
1251	8	0.02	-4.05e-03	-1.12	0.0	0.0	0.0
1251	41	8.31e-03	-1.36e-03	-1.55	0.0	0.0	0.0
1251	65	7.14e-03	-2.52e-03	-1.18	0.0	0.0	0.0
1251	68	0.02	-3.27e-03	-1.14	0.0	0.0	0.0
1251	85	5.83e-03	-1.06e-03	-1.19	0.0	0.0	0.0
1251	97	6.54e-03	-1.57e-03	-1.18	0.0	0.0	0.0
1251	98	0.01	-2.03e-03	-1.16	0.0	0.0	0.0
1251	104	6.40e-03	-1.46e-03	-1.19	0.0	0.0	0.0
1251	106	6.54e-03	-1.57e-03	-1.18	0.0	0.0	0.0
1251	107	0.01	-1.97e-03	-1.16	0.0	0.0	0.0
1251	108	7.18	-0.03	-43.25	0.0	0.0	0.0
1251	113	7.19	-0.06	-43.34	0.0	0.0	0.0
1251	114	-7.17	0.06	41.01	0.0	0.0	0.0
1251	140	8.09	-0.03	-48.58	0.0	0.0	0.0
1251	145	8.10	-0.07	-48.67	0.0	0.0	0.0
1251	146	-8.07	0.06	46.34	0.0	0.0	0.0
1251	172	8.02	-0.03	-48.14	0.0	0.0	0.0
1251	177	8.03	-0.07	-48.24	0.0	0.0	0.0
1251	178	-8.00	0.06	45.91	0.0	0.0	0.0
1251	204	9.38	-0.03	-56.15	0.0	0.0	0.0
1251	209	9.39	-0.08	-56.27	0.0	0.0	0.0
1251	210	-9.37	0.07	53.94	0.0	0.0	0.0
1284	1	-0.21	-2.17e-03	-1.82	0.0	0.0	0.0
1284	4	-0.40	-3.85e-03	-2.11	0.0	0.0	0.0
1284	45	-0.06	-5.87e-03	-1.28	0.0	0.0	0.0
1284	65	-0.15	-1.74e-03	-1.38	0.0	0.0	0.0
1284	68	-0.28	-2.86e-03	-1.58	0.0	0.0	0.0
1284	85	-0.09	-4.91e-03	-1.32	0.0	0.0	0.0
1284	97	-0.13	-2.78e-03	-1.36	0.0	0.0	0.0
1284	98	-0.21	-3.48e-03	-1.48	0.0	0.0	0.0
1284	104	-0.12	-3.21e-03	-1.35	0.0	0.0	0.0
1284	106	-0.13	-2.78e-03	-1.36	0.0	0.0	0.0
1284	107	-0.20	-3.38e-03	-1.46	0.0	0.0	0.0
1284	108	5.17	0.05	31.14	0.0	0.0	0.0
1284	113	6.59	8.36e-03	39.90	0.0	0.0	0.0
1284	114	-6.98	-0.02	-42.83	0.0	0.0	0.0
1284	140	5.85	0.06	35.27	0.0	0.0	0.0
1284	145	7.45	9.82e-03	45.14	0.0	0.0	0.0
1284	146	-7.84	-0.02	-48.07	0.0	0.0	0.0
1284	172	5.81	0.05	34.96	0.0	0.0	0.0
1284	177	7.39	8.61e-03	44.73	0.0	0.0	0.0
1284	178	-7.78	-0.02	-47.66	0.0	0.0	0.0
1284	204	6.84	0.06	41.19	0.0	0.0	0.0
1284	209	8.69	0.01	52.61	0.0	0.0	0.0
1284	210	-9.08	-0.02	-55.54	0.0	0.0	0.0
1287	1	-0.44	-8.73e-04	-2.40	0.0	0.0	0.0
1287	4	-0.83	-1.84e-03	-2.43	0.0	0.0	0.0
1287	45	-0.13	-3.61e-03	-1.84	0.0	0.0	0.0
1287	65	-0.31	-7.38e-04	-1.85	0.0	0.0	0.0
1287	68	-0.58	-1.39e-03	-1.87	0.0	0.0	0.0
1287	85	-0.19	-2.95e-03	-1.85	0.0	0.0	0.0

1287	97	-0.27	-1.49e-03	-1.85	0.0	0.0	0.0
1287	98	-0.43	-1.90e-03	-1.86	0.0	0.0	0.0
1287	104	-0.25	-1.78e-03	-1.85	0.0	0.0	0.0
1287	106	-0.27	-1.49e-03	-1.85	0.0	0.0	0.0
1287	107	-0.41	-1.84e-03	-1.86	0.0	0.0	0.0
1287	108	10.62	-0.03	14.96	0.0	0.0	0.0
1287	112	10.43	-0.05	14.96	0.0	0.0	0.0
1287	115	-11.25	0.04	-18.68	0.0	0.0	0.0
1287	140	12.02	-0.04	17.09	0.0	0.0	0.0
1287	144	11.81	-0.05	17.09	0.0	0.0	0.0
1287	147	-12.63	0.05	-20.81	0.0	0.0	0.0
1287	172	11.93	-0.04	16.91	0.0	0.0	0.0
1287	176	11.72	-0.05	16.92	0.0	0.0	0.0
1287	179	-12.54	0.05	-20.63	0.0	0.0	0.0
1287	204	14.05	-0.04	20.11	0.0	0.0	0.0
1287	208	13.81	-0.06	20.12	0.0	0.0	0.0
1287	211	-14.63	0.05	-23.83	0.0	0.0	0.0
1293	1	-0.47	1.92e-03	-2.52	0.0	0.0	0.0
1293	4	-0.88	2.97e-03	-3.06	0.0	0.0	0.0
1293	45	-0.13	1.82e-03	-1.70	0.0	0.0	0.0
1293	65	-0.33	1.43e-03	-1.91	0.0	0.0	0.0
1293	68	-0.61	2.14e-03	-2.27	0.0	0.0	0.0
1293	85	-0.20	1.76e-03	-1.77	0.0	0.0	0.0
1293	97	-0.28	1.50e-03	-1.86	0.0	0.0	0.0
1293	98	-0.46	1.94e-03	-2.08	0.0	0.0	0.0
1293	104	-0.27	1.55e-03	-1.84	0.0	0.0	0.0
1293	106	-0.28	1.50e-03	-1.86	0.0	0.0	0.0
1293	107	-0.43	1.88e-03	-2.05	0.0	0.0	0.0
1293	108	10.86	0.08	-0.77	0.0	0.0	0.0
1293	113	13.84	0.03	-0.41	0.0	0.0	0.0
1293	114	-14.71	-0.03	-3.70	0.0	0.0	0.0
1293	140	12.29	0.09	-0.61	0.0	0.0	0.0
1293	145	15.65	0.04	-0.20	0.0	0.0	0.0
1293	146	-16.51	-0.03	-3.90	0.0	0.0	0.0
1293	172	12.20	0.08	-0.62	0.0	0.0	0.0
1293	177	15.53	0.04	-0.20	0.0	0.0	0.0
1293	178	-16.39	-0.03	-3.90	0.0	0.0	0.0
1293	204	14.37	0.10	-0.37	0.0	0.0	0.0
1293	209	18.26	0.04	0.12	0.0	0.0	0.0
1293	210	-19.13	-0.04	-4.22	0.0	0.0	0.0
1297	1	-0.51	3.79e-03	-5.02	0.0	0.0	0.0
1297	4	-0.96	6.76e-03	-7.79	0.0	0.0	0.0
1297	45	-0.15	8.45e-03	-2.62	0.0	0.0	0.0
1297	65	-0.37	2.98e-03	-3.71	0.0	0.0	0.0
1297	68	-0.66	4.96e-03	-5.56	0.0	0.0	0.0
1297	85	-0.22	7.22e-03	-2.99	0.0	0.0	0.0
1297	97	-0.31	4.38e-03	-3.44	0.0	0.0	0.0
1297	98	-0.50	5.62e-03	-4.61	0.0	0.0	0.0
1297	104	-0.29	4.95e-03	-3.35	0.0	0.0	0.0
1297	106	-0.31	4.38e-03	-3.44	0.0	0.0	0.0
1297	107	-0.47	5.44e-03	-4.45	0.0	0.0	0.0
1297	108	10.83	0.05	-6.81	0.0	0.0	0.0
1297	124	-1.29	0.07	-7.67	0.0	0.0	0.0
1297	127	0.35	-0.06	-1.22	0.0	0.0	0.0
1297	140	12.26	0.05	-7.11	0.0	0.0	0.0
1297	156	-1.39	0.08	-8.08	0.0	0.0	0.0
1297	159	0.45	-0.07	-0.82	0.0	0.0	0.0
1297	172	12.17	0.05	-6.97	0.0	0.0	0.0
1297	188	-1.39	0.07	-8.01	0.0	0.0	0.0
1297	191	0.44	-0.06	-0.89	0.0	0.0	0.0
1297	204	14.34	0.06	-7.33	0.0	0.0	0.0
1297	220	-1.54	0.08	-8.58	0.0	0.0	0.0
1297	223	0.60	-0.07	-0.31	0.0	0.0	0.0
1301	1	-0.60	1.66e-03	-17.10	0.0	0.0	0.0
1301	4	-1.12	5.39e-03	-29.97	0.0	0.0	0.0
1301	45	-0.16	0.02	-6.82	0.0	0.0	0.0
1301	65	-0.43	1.83e-03	-12.44	0.0	0.0	0.0
1301	68	-0.78	4.32e-03	-21.01	0.0	0.0	0.0
1301	85	-0.25	0.02	-8.65	0.0	0.0	0.0
1301	97	-0.36	6.75e-03	-11.00	0.0	0.0	0.0
1301	98	-0.58	8.29e-03	-16.46	0.0	0.0	0.0
1301	104	-0.34	8.58e-03	-10.53	0.0	0.0	0.0
1301	106	-0.36	6.75e-03	-11.00	0.0	0.0	0.0
1301	107	-0.55	8.07e-03	-15.68	0.0	0.0	0.0
1301	108	10.79	0.06	-34.22	0.0	0.0	0.0

1301	124	-1.21	0.09	-40.84	0.0	0.0	0.0
1301	127	0.11	-0.08	9.49	0.0	0.0	0.0
1301	140	12.22	0.07	-36.53	0.0	0.0	0.0
1301	156	-1.30	0.10	-43.99	0.0	0.0	0.0
1301	159	0.20	-0.09	12.63	0.0	0.0	0.0
1301	172	12.13	0.07	-35.43	0.0	0.0	0.0
1301	188	-1.30	0.10	-43.41	0.0	0.0	0.0
1301	191	0.20	-0.08	12.05	0.0	0.0	0.0
1301	204	14.32	0.08	-38.22	0.0	0.0	0.0
1301	220	-1.43	0.12	-47.83	0.0	0.0	0.0
1301	223	0.33	-0.10	16.48	0.0	0.0	0.0
1305	1	-0.37	2.59	-30.31	0.0	0.0	0.0
1305	4	-0.68	3.97	-52.14	0.0	0.0	0.0
1305	45	-0.09	-0.61	-6.30	0.0	0.0	0.0
1305	65	-0.27	1.83	-21.82	0.0	0.0	0.0
1305	68	-0.47	2.75	-36.37	0.0	0.0	0.0
1305	85	-0.14	0.02	-10.83	0.0	0.0	0.0
1305	97	-0.22	1.14	-17.65	0.0	0.0	0.0
1305	103	-0.35	1.88	-26.97	0.0	0.0	0.0
1305	104	-0.20	0.92	-16.29	0.0	0.0	0.0
1305	106	-0.22	1.14	-17.65	0.0	0.0	0.0
1305	107	-0.33	1.65	-25.58	0.0	0.0	0.0
1305	108	5.33	-3.39	-96.15	0.0	0.0	0.0
1305	124	-0.55	8.28	-121.79	0.0	0.0	0.0
1305	127	-0.11	-4.99	70.63	0.0	0.0	0.0
1305	140	6.05	-4.03	-104.93	0.0	0.0	0.0
1305	156	-0.58	9.12	-133.82	0.0	0.0	0.0
1305	159	-0.08	-5.83	82.65	0.0	0.0	0.0
1305	172	6.01	-4.00	-100.77	0.0	0.0	0.0
1305	188	-0.59	9.11	-131.64	0.0	0.0	0.0
1305	191	-0.07	-5.82	80.47	0.0	0.0	0.0
1305	204	7.10	-4.99	-111.41	0.0	0.0	0.0
1305	220	-0.64	10.39	-148.58	0.0	0.0	0.0
1305	223	-0.02	-7.10	97.42	0.0	0.0	0.0
1351	1	5.71e-04	0.35	-41.03	0.0	0.0	0.0
1351	4	1.16e-03	-1.62	-82.69	0.0	0.0	0.0
1351	45	3.38e-04	-4.37	-25.26	0.0	0.0	0.0
1351	65	4.13e-04	0.13	-29.83	0.0	0.0	0.0
1351	68	8.06e-04	-1.18	-57.61	0.0	0.0	0.0
1351	85	3.77e-04	-3.39	-27.96	0.0	0.0	0.0
1351	97	3.96e-04	-1.23	-29.14	0.0	0.0	0.0
1351	98	6.45e-04	-2.07	-46.83	0.0	0.0	0.0
1351	104	3.92e-04	-1.66	-28.91	0.0	0.0	0.0
1351	106	3.96e-04	-1.23	-29.14	0.0	0.0	0.0
1351	107	6.10e-04	-1.95	-44.31	0.0	0.0	0.0
1351	108	0.07	8.50	-53.06	0.0	0.0	0.0
1351	124	0.04	16.89	-58.85	0.0	0.0	0.0
1351	127	-0.04	-20.79	-29.76	0.0	0.0	0.0
1351	140	0.08	9.81	-54.16	0.0	0.0	0.0
1351	156	0.04	19.24	-60.66	0.0	0.0	0.0
1351	159	-0.04	-23.13	-27.95	0.0	0.0	0.0
1351	172	0.07	9.66	-54.09	0.0	0.0	0.0
1351	200	-5.41e-03	20.18	-60.48	0.0	0.0	0.0
1351	203	6.63e-03	-24.07	-28.13	0.0	0.0	0.0
1351	204	0.08	11.60	-55.75	0.0	0.0	0.0
1351	232	-6.72e-03	23.91	-63.24	0.0	0.0	0.0
1351	235	7.94e-03	-27.80	-25.37	0.0	0.0	0.0
1355	1	1.02e-03	2.61	-49.36	0.0	0.0	0.0
1355	4	2.02e-03	2.78	-99.84	0.0	0.0	0.0
1355	45	6.43e-04	-3.36	-32.65	0.0	0.0	0.0
1355	65	7.39e-04	1.77	-35.96	0.0	0.0	0.0
1355	68	1.41e-03	1.88	-69.62	0.0	0.0	0.0
1355	85	7.01e-04	-2.15	-35.39	0.0	0.0	0.0
1355	97	7.12e-04	0.25	-35.75	0.0	0.0	0.0
1355	98	1.14e-03	0.32	-57.17	0.0	0.0	0.0
1355	104	7.10e-04	-0.23	-35.68	0.0	0.0	0.0
1355	106	7.12e-04	0.25	-35.75	0.0	0.0	0.0
1355	107	1.07e-03	0.31	-54.11	0.0	0.0	0.0
1355	108	0.14	10.84	-56.05	0.0	0.0	0.0
1355	124	0.09	19.28	-56.48	0.0	0.0	0.0
1355	127	-0.08	-18.66	-51.73	0.0	0.0	0.0
1355	140	0.16	12.16	-56.29	0.0	0.0	0.0
1355	156	0.10	21.65	-56.78	0.0	0.0	0.0
1355	159	-0.09	-21.02	-51.44	0.0	0.0	0.0
1355	172	0.15	12.01	-56.28	0.0	0.0	0.0

1355	188	0.09	21.26	-56.73	0.0	0.0	0.0
1355	191	-0.09	-20.63	-51.48	0.0	0.0	0.0
1355	204	0.17	13.95	-56.66	0.0	0.0	0.0
1355	220	0.11	24.63	-57.16	0.0	0.0	0.0
1355	223	-0.10	-24.00	-51.05	0.0	0.0	0.0
1359	1	1.17e-03	2.64	-47.70	0.0	0.0	0.0
1359	19	8.31e-04	4.04	-31.89	0.0	0.0	0.0
1359	28	2.28e-03	-1.58	-97.03	0.0	0.0	0.0
1359	65	8.55e-04	1.79	-34.83	0.0	0.0	0.0
1359	72	8.70e-04	2.80	-34.62	0.0	0.0	0.0
1359	80	1.59e-03	-1.02	-67.72	0.0	0.0	0.0
1359	97	8.33e-04	0.28	-35.13	0.0	0.0	0.0
1359	98	1.30e-03	0.36	-55.64	0.0	0.0	0.0
1359	102	8.40e-04	0.78	-35.03	0.0	0.0	0.0
1359	106	8.33e-04	0.28	-35.13	0.0	0.0	0.0
1359	107	1.24e-03	0.35	-52.71	0.0	0.0	0.0
1359	108	0.18	10.88	-52.53	0.0	0.0	0.0
1359	133	0.11	-16.37	-56.95	0.0	0.0	0.0
1359	134	-0.11	17.08	-48.48	0.0	0.0	0.0
1359	140	0.20	12.20	-52.50	0.0	0.0	0.0
1359	165	0.13	-18.47	-57.48	0.0	0.0	0.0
1359	166	-0.12	19.17	-47.95	0.0	0.0	0.0
1359	172	0.19	12.05	-52.45	0.0	0.0	0.0
1359	197	0.12	-18.25	-57.38	0.0	0.0	0.0
1359	198	-0.12	18.96	-48.04	0.0	0.0	0.0
1359	204	0.22	13.99	-52.38	0.0	0.0	0.0
1359	229	0.14	-21.32	-58.14	0.0	0.0	0.0
1359	230	-0.14	22.02	-47.29	0.0	0.0	0.0
1363	1	1.18e-03	2.68	-50.28	0.0	0.0	0.0
1363	19	7.99e-04	4.07	-33.02	0.0	0.0	0.0
1363	28	2.37e-03	-1.52	-102.89	0.0	0.0	0.0
1363	65	8.65e-04	1.81	-36.80	0.0	0.0	0.0
1363	72	8.62e-04	2.82	-36.28	0.0	0.0	0.0
1363	80	1.66e-03	-0.99	-71.87	0.0	0.0	0.0
1363	97	8.70e-04	0.30	-37.59	0.0	0.0	0.0
1363	98	1.34e-03	0.40	-58.85	0.0	0.0	0.0
1363	102	8.69e-04	0.81	-37.33	0.0	0.0	0.0
1363	106	8.70e-04	0.30	-37.59	0.0	0.0	0.0
1363	107	1.27e-03	0.38	-55.82	0.0	0.0	0.0
1363	108	0.17	10.90	-50.29	0.0	0.0	0.0
1363	132	-0.02	20.28	-43.94	0.0	0.0	0.0
1363	135	0.02	-19.51	-67.70	0.0	0.0	0.0
1363	140	0.20	12.22	-49.61	0.0	0.0	0.0
1363	164	-0.02	22.77	-42.45	0.0	0.0	0.0
1363	167	0.02	-22.00	-69.18	0.0	0.0	0.0
1363	172	0.18	12.07	-49.77	0.0	0.0	0.0
1363	200	-0.03	22.63	-42.62	0.0	0.0	0.0
1363	203	0.03	-21.86	-69.01	0.0	0.0	0.0
1363	204	0.21	14.01	-48.81	0.0	0.0	0.0
1363	232	-0.03	26.38	-40.43	0.0	0.0	0.0
1363	235	0.04	-25.61	-71.20	0.0	0.0	0.0
1367	1	9.01e-04	2.73	-57.67	0.0	0.0	0.0
1367	19	4.21e-04	4.11	-36.93	0.0	0.0	0.0
1367	28	2.23e-03	-1.43	-119.05	0.0	0.0	0.0
1367	65	6.74e-04	1.85	-42.34	0.0	0.0	0.0
1367	72	5.84e-04	2.86	-41.25	0.0	0.0	0.0
1367	80	1.56e-03	-0.92	-83.26	0.0	0.0	0.0
1367	97	8.09e-04	0.34	-43.97	0.0	0.0	0.0
1367	98	1.21e-03	0.45	-67.87	0.0	0.0	0.0
1367	102	7.64e-04	0.85	-43.43	0.0	0.0	0.0
1367	106	8.09e-04	0.34	-43.97	0.0	0.0	0.0
1367	107	1.16e-03	0.44	-64.45	0.0	0.0	0.0
1367	108	0.09	10.94	-53.32	0.0	0.0	0.0
1367	136	0.06	20.32	-40.77	0.0	0.0	0.0
1367	139	-0.05	-19.45	-88.14	0.0	0.0	0.0
1367	140	0.10	12.25	-51.93	0.0	0.0	0.0
1367	168	0.06	22.82	-37.80	0.0	0.0	0.0
1367	171	-0.06	-21.95	-91.11	0.0	0.0	0.0
1367	172	0.09	12.10	-52.19	0.0	0.0	0.0
1367	200	0.05	22.65	-38.10	0.0	0.0	0.0
1367	203	-0.05	-21.77	-90.81	0.0	0.0	0.0
1367	204	0.10	14.04	-50.21	0.0	0.0	0.0
1367	232	0.06	26.39	-33.71	0.0	0.0	0.0
1367	235	-0.06	-25.52	-95.19	0.0	0.0	0.0
1371	1	1.85e-04	5.28	-51.16	0.0	0.0	0.0

1371	19	-5.04e-04	5.48	-31.78	0.0	0.0	0.0
1371	28	1.81e-03	4.48	-107.09	0.0	0.0	0.0
1371	65	1.82e-04	3.75	-37.67	0.0	0.0	0.0
1371	72	-1.07e-04	4.59	-36.22	0.0	0.0	0.0
1371	80	1.26e-03	3.21	-74.96	0.0	0.0	0.0
1371	97	6.17e-04	2.49	-39.86	0.0	0.0	0.0
1371	98	8.85e-04	3.71	-60.75	0.0	0.0	0.0
1371	102	4.72e-04	2.91	-39.13	0.0	0.0	0.0
1371	106	6.17e-04	2.49	-39.86	0.0	0.0	0.0
1371	107	8.47e-04	3.53	-57.76	0.0	0.0	0.0
1371	108	-0.48	13.95	-35.34	0.0	0.0	0.0
1371	136	0.10	23.27	-10.93	0.0	0.0	0.0
1371	139	-0.10	-16.21	-104.60	0.0	0.0	0.0
1371	140	-0.54	15.26	-32.53	0.0	0.0	0.0
1371	168	0.12	25.76	-5.05	0.0	0.0	0.0
1371	171	-0.12	-18.69	-110.48	0.0	0.0	0.0
1371	172	-0.52	15.11	-32.97	0.0	0.0	0.0
1371	200	0.12	25.58	-5.58	0.0	0.0	0.0
1371	203	-0.11	-18.51	-109.94	0.0	0.0	0.0
1371	204	-0.60	17.04	-28.93	0.0	0.0	0.0
1371	232	0.13	29.29	3.13	0.0	0.0	0.0
1371	235	-0.13	-22.23	-118.65	0.0	0.0	0.0
1375	1	0.06	-1.14	-64.77	0.0	0.0	0.0
1375	19	0.05	0.62	-33.57	0.0	0.0	0.0
1375	28	0.12	-6.24	-152.49	0.0	0.0	0.0
1375	65	0.05	-0.93	-48.24	0.0	0.0	0.0
1375	72	0.05	-0.30	-43.30	0.0	0.0	0.0
1375	80	0.08	-4.33	-106.72	0.0	0.0	0.0
1375	97	0.04	-1.88	-55.67	0.0	0.0	0.0
1375	98	0.07	-2.88	-83.41	0.0	0.0	0.0
1375	102	0.04	-1.57	-53.19	0.0	0.0	0.0
1375	106	0.04	-1.88	-55.67	0.0	0.0	0.0
1375	107	0.06	-2.74	-79.45	0.0	0.0	0.0
1375	108	8.21	2.35	-15.45	0.0	0.0	0.0
1375	136	-1.94	6.91	49.03	0.0	0.0	0.0
1375	139	2.06	-12.39	-207.92	0.0	0.0	0.0
1375	140	9.23	2.99	-7.43	0.0	0.0	0.0
1375	168	-2.19	8.13	65.17	0.0	0.0	0.0
1375	171	2.31	-13.61	-224.06	0.0	0.0	0.0
1375	172	8.85	2.92	-8.51	0.0	0.0	0.0
1375	200	-2.20	8.04	63.90	0.0	0.0	0.0
1375	203	2.32	-13.52	-222.79	0.0	0.0	0.0
1375	204	10.18	3.86	3.17	0.0	0.0	0.0
1375	232	-2.55	9.86	87.93	0.0	0.0	0.0
1375	235	2.67	-15.34	-246.82	0.0	0.0	0.0
1414	1	-4.47e-04	0.26	-41.55	0.0	0.0	0.0
1414	4	-9.26e-04	-1.80	-83.75	0.0	0.0	0.0
1414	45	-2.58e-04	-4.43	-25.53	0.0	0.0	0.0
1414	65	-3.24e-04	0.07	-30.21	0.0	0.0	0.0
1414	68	-6.43e-04	-1.30	-58.34	0.0	0.0	0.0
1414	85	-2.94e-04	-3.45	-28.28	0.0	0.0	0.0
1414	97	-3.16e-04	-1.30	-29.49	0.0	0.0	0.0
1414	98	-5.20e-04	-2.18	-47.40	0.0	0.0	0.0
1414	104	-3.12e-04	-1.73	-29.25	0.0	0.0	0.0
1414	106	-3.16e-04	-1.30	-29.49	0.0	0.0	0.0
1414	107	-4.91e-04	-2.05	-44.84	0.0	0.0	0.0
1414	108	0.07	-1.82	-52.18	0.0	0.0	0.0
1414	129	-3.76e-03	-21.93	-29.48	0.0	0.0	0.0
1414	130	2.78e-03	17.82	-60.21	0.0	0.0	0.0
1414	140	0.07	-1.80	-53.10	0.0	0.0	0.0
1414	161	-4.32e-03	-24.43	-27.56	0.0	0.0	0.0
1414	162	3.33e-03	20.32	-62.13	0.0	0.0	0.0
1414	172	0.07	-1.83	-52.86	0.0	0.0	0.0
1414	193	-4.84e-03	-24.24	-27.78	0.0	0.0	0.0
1414	194	3.86e-03	20.14	-61.91	0.0	0.0	0.0
1414	204	0.08	-1.83	-54.11	0.0	0.0	0.0
1414	225	-5.68e-03	-27.99	-24.97	0.0	0.0	0.0
1414	226	4.70e-03	23.88	-64.72	0.0	0.0	0.0
1418	1	-6.28e-04	2.55	-49.86	0.0	0.0	0.0
1418	4	-1.29e-03	2.66	-100.83	0.0	0.0	0.0
1418	45	-3.95e-04	-3.41	-32.92	0.0	0.0	0.0
1418	65	-4.58e-04	1.72	-36.32	0.0	0.0	0.0
1418	68	-8.97e-04	1.79	-70.30	0.0	0.0	0.0
1418	85	-4.41e-04	-2.20	-35.71	0.0	0.0	0.0
1418	97	-4.64e-04	0.20	-36.09	0.0	0.0	0.0

1418	98	-7.45e-04	0.24	-57.71	0.0	0.0	0.0
1418	104	-4.59e-04	-0.28	-36.02	0.0	0.0	0.0
1418	106	-4.64e-04	0.20	-36.09	0.0	0.0	0.0
1418	107	-7.05e-04	0.23	-54.62	0.0	0.0	0.0
1418	108	0.14	0.47	-56.38	0.0	0.0	0.0
1418	124	0.08	17.04	-57.34	0.0	0.0	0.0
1418	127	-0.09	-16.57	-51.91	0.0	0.0	0.0
1418	140	0.15	0.49	-56.60	0.0	0.0	0.0
1418	156	0.09	19.14	-57.67	0.0	0.0	0.0
1418	159	-0.10	-18.67	-51.57	0.0	0.0	0.0
1418	172	0.14	0.46	-56.52	0.0	0.0	0.0
1418	188	0.09	18.92	-57.61	0.0	0.0	0.0
1418	191	-0.09	-18.45	-51.63	0.0	0.0	0.0
1418	204	0.17	0.46	-56.81	0.0	0.0	0.0
1418	220	0.10	22.00	-58.09	0.0	0.0	0.0
1418	223	-0.11	-21.53	-51.15	0.0	0.0	0.0
1422	1	-6.47e-04	2.58	-48.07	0.0	0.0	0.0
1422	19	-3.84e-04	4.02	-32.15	0.0	0.0	0.0
1422	28	-1.39e-03	-1.71	-97.70	0.0	0.0	0.0
1422	65	-4.76e-04	1.75	-35.10	0.0	0.0	0.0
1422	72	-4.51e-04	2.76	-34.90	0.0	0.0	0.0
1422	80	-9.69e-04	-1.12	-68.19	0.0	0.0	0.0
1422	97	-5.14e-04	0.22	-35.40	0.0	0.0	0.0
1422	98	-8.05e-04	0.28	-56.04	0.0	0.0	0.0
1422	102	-5.02e-04	0.73	-35.30	0.0	0.0	0.0
1422	106	-5.14e-04	0.22	-35.40	0.0	0.0	0.0
1422	107	-7.64e-04	0.28	-53.09	0.0	0.0	0.0
1422	108	0.18	0.51	-53.24	0.0	0.0	0.0
1422	133	0.11	-18.68	-57.11	0.0	0.0	0.0
1422	134	-0.11	19.23	-49.08	0.0	0.0	0.0
1422	140	0.20	0.53	-53.26	0.0	0.0	0.0
1422	165	0.12	-21.04	-57.61	0.0	0.0	0.0
1422	166	-0.13	21.59	-48.58	0.0	0.0	0.0
1422	172	0.19	0.50	-53.24	0.0	0.0	0.0
1422	197	0.12	-20.65	-57.52	0.0	0.0	0.0
1422	198	-0.12	21.20	-48.67	0.0	0.0	0.0
1422	204	0.22	0.50	-53.27	0.0	0.0	0.0
1422	233	0.13	-24.21	-58.23	0.0	0.0	0.0
1422	234	-0.13	24.76	-47.96	0.0	0.0	0.0
1426	1	-6.97e-04	2.62	-50.64	0.0	0.0	0.0
1426	19	-3.68e-04	4.04	-33.27	0.0	0.0	0.0
1426	28	-1.57e-03	-1.66	-103.49	0.0	0.0	0.0
1426	65	-5.18e-04	1.77	-37.07	0.0	0.0	0.0
1426	72	-4.68e-04	2.79	-36.54	0.0	0.0	0.0
1426	80	-1.10e-03	-1.08	-72.30	0.0	0.0	0.0
1426	97	-5.92e-04	0.25	-37.86	0.0	0.0	0.0
1426	98	-8.98e-04	0.32	-59.22	0.0	0.0	0.0
1426	102	-5.67e-04	0.76	-37.59	0.0	0.0	0.0
1426	106	-5.92e-04	0.25	-37.86	0.0	0.0	0.0
1426	107	-8.55e-04	0.31	-56.17	0.0	0.0	0.0
1426	108	0.17	0.54	-55.35	0.0	0.0	0.0
1426	129	-0.03	-19.68	-68.00	0.0	0.0	0.0
1426	130	0.03	20.29	-44.34	0.0	0.0	0.0
1426	140	0.19	0.56	-55.25	0.0	0.0	0.0
1426	161	-0.03	-22.19	-69.48	0.0	0.0	0.0
1426	162	0.03	22.81	-42.86	0.0	0.0	0.0
1426	172	0.18	0.53	-55.21	0.0	0.0	0.0
1426	193	-0.03	-22.01	-69.33	0.0	0.0	0.0
1426	194	0.03	22.62	-43.02	0.0	0.0	0.0
1426	204	0.21	0.53	-55.05	0.0	0.0	0.0
1426	225	-0.04	-25.77	-71.52	0.0	0.0	0.0
1426	226	0.03	26.38	-40.82	0.0	0.0	0.0
1430	1	-1.23e-03	2.67	-58.11	0.0	0.0	0.0
1430	19	-7.01e-04	4.08	-37.23	0.0	0.0	0.0
1430	28	-2.71e-03	-1.56	-119.76	0.0	0.0	0.0
1430	65	-9.12e-04	1.81	-42.67	0.0	0.0	0.0
1430	72	-8.46e-04	2.83	-41.57	0.0	0.0	0.0
1430	80	-1.90e-03	-1.01	-83.77	0.0	0.0	0.0
1430	97	-1.01e-03	0.29	-44.31	0.0	0.0	0.0
1430	98	-1.49e-03	0.37	-68.31	0.0	0.0	0.0
1430	102	-9.78e-04	0.79	-43.76	0.0	0.0	0.0
1430	106	-1.01e-03	0.29	-44.31	0.0	0.0	0.0
1430	107	-1.43e-03	0.36	-64.88	0.0	0.0	0.0
1430	108	0.08	0.59	-62.87	0.0	0.0	0.0
1430	129	0.05	-19.59	-88.73	0.0	0.0	0.0

1430	130	-0.05	20.31	-41.04	0.0	0.0	0.0
1430	140	0.09	0.61	-62.61	0.0	0.0	0.0
1430	161	0.06	-22.10	-91.72	0.0	0.0	0.0
1430	162	-0.06	22.82	-38.05	0.0	0.0	0.0
1430	172	0.08	0.58	-62.55	0.0	0.0	0.0
1430	193	0.05	-21.92	-91.41	0.0	0.0	0.0
1430	194	-0.05	22.64	-38.36	0.0	0.0	0.0
1430	204	0.09	0.58	-62.16	0.0	0.0	0.0
1430	225	0.05	-25.67	-95.83	0.0	0.0	0.0
1430	226	-0.06	26.39	-33.94	0.0	0.0	0.0
1434	1	-2.59e-03	5.26	-51.61	0.0	0.0	0.0
1434	19	-1.62e-03	5.48	-32.09	0.0	0.0	0.0
1434	28	-5.51e-03	4.40	-107.80	0.0	0.0	0.0
1434	65	-1.91e-03	3.73	-38.02	0.0	0.0	0.0
1434	72	-1.84e-03	4.58	-36.55	0.0	0.0	0.0
1434	80	-3.86e-03	3.16	-75.47	0.0	0.0	0.0
1434	97	-2.03e-03	2.46	-40.22	0.0	0.0	0.0
1434	98	-2.97e-03	3.66	-61.20	0.0	0.0	0.0
1434	102	-1.99e-03	2.88	-39.48	0.0	0.0	0.0
1434	106	-2.03e-03	2.46	-40.22	0.0	0.0	0.0
1434	107	-2.84e-03	3.49	-58.20	0.0	0.0	0.0
1434	108	-0.48	3.72	-54.48	0.0	0.0	0.0
1434	129	0.10	-16.32	-105.44	0.0	0.0	0.0
1434	130	-0.11	23.29	-10.97	0.0	0.0	0.0
1434	140	-0.54	3.74	-54.02	0.0	0.0	0.0
1434	161	0.11	-18.81	-111.35	0.0	0.0	0.0
1434	162	-0.12	25.78	-5.05	0.0	0.0	0.0
1434	172	-0.52	3.71	-53.97	0.0	0.0	0.0
1434	193	0.11	-18.63	-110.79	0.0	0.0	0.0
1434	194	-0.12	25.60	-5.61	0.0	0.0	0.0
1434	204	-0.59	3.71	-53.28	0.0	0.0	0.0
1434	225	0.13	-22.35	-119.56	0.0	0.0	0.0
1434	226	-0.14	29.33	3.16	0.0	0.0	0.0
1438	1	-1.24e-03	-1.20	-65.64	0.0	0.0	0.0
1438	19	0.01	0.60	-34.11	0.0	0.0	0.0
1438	28	-0.03	-6.34	-153.90	0.0	0.0	0.0
1438	65	-1.71e-03	-0.97	-48.90	0.0	0.0	0.0
1438	72	3.67e-03	-0.33	-43.91	0.0	0.0	0.0
1438	80	-0.02	-4.40	-107.74	0.0	0.0	0.0
1438	97	-9.77e-03	-1.93	-56.39	0.0	0.0	0.0
1438	98	-0.01	-2.95	-84.31	0.0	0.0	0.0
1438	102	-7.08e-03	-1.61	-53.89	0.0	0.0	0.0
1438	106	-9.77e-03	-1.93	-56.39	0.0	0.0	0.0
1438	107	-0.01	-2.80	-80.32	0.0	0.0	0.0
1438	108	8.18	-2.70	-73.20	0.0	0.0	0.0
1438	129	-2.04	-12.49	-209.64	0.0	0.0	0.0
1438	130	2.01	6.88	48.99	0.0	0.0	0.0
1438	140	9.20	-2.69	-72.34	0.0	0.0	0.0
1438	161	-2.29	-13.70	-225.87	0.0	0.0	0.0
1438	162	2.27	8.10	65.22	0.0	0.0	0.0
1438	172	8.83	-2.70	-72.38	0.0	0.0	0.0
1438	193	-2.30	-13.62	-224.54	0.0	0.0	0.0
1438	194	2.27	8.01	63.89	0.0	0.0	0.0
1438	204	10.17	-2.71	-71.21	0.0	0.0	0.0
1438	225	-2.65	-15.44	-248.69	0.0	0.0	0.0
1438	226	2.62	9.83	88.04	0.0	0.0	0.0
1477	1	-0.03	0.09	-30.47	0.0	0.0	0.0
1477	4	-0.06	-1.44	-56.79	0.0	0.0	0.0
1477	45	-7.93e-03	-3.60	-17.14	0.0	0.0	0.0
1477	65	-0.02	-0.03	-22.24	0.0	0.0	0.0
1477	68	-0.04	-1.06	-39.79	0.0	0.0	0.0
1477	85	-0.01	-2.82	-19.37	0.0	0.0	0.0
1477	97	-0.02	-1.09	-21.15	0.0	0.0	0.0
1477	98	-0.03	-1.74	-32.30	0.0	0.0	0.0
1477	104	-0.02	-1.44	-20.80	0.0	0.0	0.0
1477	106	-0.02	-1.09	-21.15	0.0	0.0	0.0
1477	107	-0.03	-1.65	-30.71	0.0	0.0	0.0
1477	108	0.03	-11.73	-55.50	0.0	0.0	0.0
1477	124	-0.07	12.05	-62.81	0.0	0.0	0.0
1477	127	8.99e-03	-15.35	1.39	0.0	0.0	0.0
1477	140	0.04	-13.01	-58.59	0.0	0.0	0.0
1477	156	-0.07	13.78	-66.82	0.0	0.0	0.0
1477	159	0.01	-17.08	5.40	0.0	0.0	0.0
1477	172	0.03	-12.95	-57.11	0.0	0.0	0.0
1477	188	-0.07	13.76	-66.03	0.0	0.0	0.0

1477	191	0.01	-17.07	4.61	0.0	0.0	0.0
1477	204	0.04	-14.92	-60.83	0.0	0.0	0.0
1477	220	-0.08	16.40	-71.63	0.0	0.0	0.0
1477	223	0.02	-19.71	10.22	0.0	0.0	0.0
1481	1	-0.01	2.00	-33.98	0.0	0.0	0.0
1481	4	-0.03	1.97	-63.86	0.0	0.0	0.0
1481	45	-5.39e-03	-2.96	-21.95	0.0	0.0	0.0
1481	65	-9.85e-03	1.35	-24.90	0.0	0.0	0.0
1481	68	-0.02	1.33	-44.82	0.0	0.0	0.0
1481	85	-6.94e-03	-1.94	-23.81	0.0	0.0	0.0
1481	97	-8.76e-03	0.10	-24.49	0.0	0.0	0.0
1481	98	-0.01	0.08	-37.13	0.0	0.0	0.0
1481	104	-8.40e-03	-0.31	-24.35	0.0	0.0	0.0
1481	106	-8.76e-03	0.10	-24.49	0.0	0.0	0.0
1481	107	-0.01	0.09	-35.33	0.0	0.0	0.0
1481	108	0.10	-9.98	-44.48	0.0	0.0	0.0
1481	111	-0.13	10.16	-26.17	0.0	0.0	0.0
1481	140	0.11	-11.26	-45.62	0.0	0.0	0.0
1481	143	-0.14	11.43	-25.03	0.0	0.0	0.0
1481	172	0.11	-11.19	-45.21	0.0	0.0	0.0
1481	175	-0.13	11.36	-25.44	0.0	0.0	0.0
1481	204	0.13	-13.15	-46.70	0.0	0.0	0.0
1481	207	-0.15	13.32	-23.95	0.0	0.0	0.0
1485	1	-7.26e-03	2.05	-31.38	0.0	0.0	0.0
1485	19	-4.72e-03	3.25	-21.20	0.0	0.0	0.0
1485	28	-0.01	-1.64	-59.98	0.0	0.0	0.0
1485	65	-5.31e-03	1.38	-23.09	0.0	0.0	0.0
1485	72	-5.22e-03	2.22	-22.88	0.0	0.0	0.0
1485	80	-0.01	-1.08	-42.16	0.0	0.0	0.0
1485	97	-5.45e-03	0.13	-23.40	0.0	0.0	0.0
1485	98	-8.57e-03	0.14	-35.10	0.0	0.0	0.0
1485	102	-5.40e-03	0.55	-23.30	0.0	0.0	0.0
1485	106	-5.45e-03	0.13	-23.40	0.0	0.0	0.0
1485	107	-8.12e-03	0.14	-33.43	0.0	0.0	0.0
1485	108	0.18	-9.91	-39.06	0.0	0.0	0.0
1485	113	0.17	-20.39	-41.56	0.0	0.0	0.0
1485	114	-0.19	20.66	-25.30	0.0	0.0	0.0
1485	140	0.20	-11.19	-39.77	0.0	0.0	0.0
1485	145	0.20	-22.97	-42.58	0.0	0.0	0.0
1485	146	-0.21	23.25	-24.27	0.0	0.0	0.0
1485	172	0.19	-11.11	-39.72	0.0	0.0	0.0
1485	177	0.18	-22.75	-42.49	0.0	0.0	0.0
1485	178	-0.20	23.02	-24.36	0.0	0.0	0.0
1485	204	0.22	-13.07	-40.79	0.0	0.0	0.0
1485	209	0.22	-26.62	-44.04	0.0	0.0	0.0
1485	210	-0.23	26.89	-22.82	0.0	0.0	0.0
1489	1	-8.79e-03	2.09	-32.98	0.0	0.0	0.0
1489	19	-4.87e-03	3.28	-21.42	0.0	0.0	0.0
1489	28	-0.02	-1.57	-64.79	0.0	0.0	0.0
1489	65	-6.51e-03	1.41	-24.36	0.0	0.0	0.0
1489	72	-5.99e-03	2.24	-23.72	0.0	0.0	0.0
1489	80	-0.01	-1.03	-45.57	0.0	0.0	0.0
1489	97	-7.29e-03	0.16	-25.32	0.0	0.0	0.0
1489	98	-0.01	0.18	-37.55	0.0	0.0	0.0
1489	102	-7.03e-03	0.58	-25.00	0.0	0.0	0.0
1489	106	-7.29e-03	0.16	-25.32	0.0	0.0	0.0
1489	107	-0.01	0.18	-35.80	0.0	0.0	0.0
1489	108	0.17	-9.84	-42.44	0.0	0.0	0.0
1489	133	-0.02	-20.75	-52.21	0.0	0.0	0.0
1489	134	9.03e-04	21.11	-19.39	0.0	0.0	0.0
1489	140	0.19	-11.11	-43.28	0.0	0.0	0.0
1489	165	-0.02	-23.36	-54.26	0.0	0.0	0.0
1489	166	2.39e-03	23.71	-17.35	0.0	0.0	0.0
1489	172	0.18	-11.03	-43.34	0.0	0.0	0.0
1489	197	-0.02	-22.87	-53.98	0.0	0.0	0.0
1489	198	3.28e-03	23.22	-17.62	0.0	0.0	0.0
1489	204	0.20	-12.98	-44.72	0.0	0.0	0.0
1489	233	-0.04	-27.14	-57.00	0.0	0.0	0.0
1489	234	0.02	27.50	-14.60	0.0	0.0	0.0
1493	1	-0.01	2.15	-39.01	0.0	0.0	0.0
1493	19	-7.15e-03	3.32	-23.99	0.0	0.0	0.0
1493	28	-0.04	-1.45	-79.53	0.0	0.0	0.0
1493	65	-0.01	1.45	-28.95	0.0	0.0	0.0
1493	72	-9.75e-03	2.29	-27.54	0.0	0.0	0.0
1493	80	-0.03	-0.95	-55.96	0.0	0.0	0.0

1493	97	-0.01	0.21	-31.05	0.0	0.0	0.0
1493	98	-0.02	0.25	-45.51	0.0	0.0	0.0
1493	102	-0.01	0.62	-30.35	0.0	0.0	0.0
1493	106	-0.01	0.21	-31.05	0.0	0.0	0.0
1493	107	-0.02	0.24	-43.44	0.0	0.0	0.0
1493	108	0.08	-9.74	-54.03	0.0	0.0	0.0
1493	133	-0.03	-20.62	-75.29	0.0	0.0	0.0
1493	134	-9.25e-03	21.10	-11.59	0.0	0.0	0.0
1493	140	0.09	-11.01	-55.38	0.0	0.0	0.0
1493	165	-0.03	-23.22	-79.26	0.0	0.0	0.0
1493	166	-8.00e-03	23.70	-7.63	0.0	0.0	0.0
1493	172	0.08	-10.93	-55.49	0.0	0.0	0.0
1493	193	-0.03	-26.21	-78.90	0.0	0.0	0.0
1493	194	-6.92e-03	26.70	-7.99	0.0	0.0	0.0
1493	204	0.09	-12.87	-57.71	0.0	0.0	0.0
1493	225	-0.03	-30.94	-85.17	0.0	0.0	0.0
1493	226	-4.80e-03	31.42	-1.71	0.0	0.0	0.0
1497	1	-0.02	4.12	-36.38	0.0	0.0	0.0
1497	19	-8.99e-03	4.23	-21.02	0.0	0.0	0.0
1497	28	-0.06	3.36	-77.28	0.0	0.0	0.0
1497	65	-0.02	2.94	-27.11	0.0	0.0	0.0
1497	72	-0.01	3.56	-25.17	0.0	0.0	0.0
1497	80	-0.04	2.43	-54.38	0.0	0.0	0.0
1497	97	-0.02	2.01	-30.04	0.0	0.0	0.0
1497	98	-0.03	2.85	-43.62	0.0	0.0	0.0
1497	102	-0.02	2.32	-29.06	0.0	0.0	0.0
1497	106	-0.02	2.01	-30.04	0.0	0.0	0.0
1497	107	-0.03	2.73	-41.68	0.0	0.0	0.0
1497	108	-0.42	-7.08	-67.25	0.0	0.0	0.0
1497	133	-0.40	-17.81	-110.77	0.0	0.0	0.0
1497	134	0.34	23.28	27.41	0.0	0.0	0.0
1497	140	-0.47	-8.32	-70.51	0.0	0.0	0.0
1497	165	-0.45	-20.37	-119.38	0.0	0.0	0.0
1497	166	0.39	25.83	36.02	0.0	0.0	0.0
1497	172	-0.46	-8.24	-70.81	0.0	0.0	0.0
1497	201	-0.40	-20.22	-118.36	0.0	0.0	0.0
1497	202	0.33	25.69	35.00	0.0	0.0	0.0
1497	204	-0.52	-10.14	-76.15	0.0	0.0	0.0
1497	233	-0.45	-24.09	-131.27	0.0	0.0	0.0
1497	234	0.39	29.55	47.91	0.0	0.0	0.0
1501	1	-0.37	-0.92	-30.20	0.0	0.0	0.0
1501	19	-0.14	0.54	-11.77	0.0	0.0	0.0
1501	28	-0.98	-5.03	-79.59	0.0	0.0	0.0
1501	65	-0.28	-0.76	-22.95	0.0	0.0	0.0
1501	72	-0.23	-0.22	-18.71	0.0	0.0	0.0
1501	80	-0.69	-3.50	-55.87	0.0	0.0	0.0
1501	97	-0.35	-1.57	-29.30	0.0	0.0	0.0
1501	102	-0.33	-1.30	-27.18	0.0	0.0	0.0
1501	105	-0.52	-2.45	-42.41	0.0	0.0	0.0
1501	106	-0.35	-1.57	-29.30	0.0	0.0	0.0
1501	107	-0.49	-2.19	-40.32	0.0	0.0	0.0
1501	108	2.96	-6.99	-107.59	0.0	0.0	0.0
1501	133	-0.68	-12.19	-184.10	0.0	0.0	0.0
1501	134	-0.30	7.80	103.47	0.0	0.0	0.0
1501	140	3.39	-7.59	-116.15	0.0	0.0	0.0
1501	165	-0.70	-13.43	-202.04	0.0	0.0	0.0
1501	166	-0.29	9.05	121.41	0.0	0.0	0.0
1501	172	3.20	-7.55	-116.86	0.0	0.0	0.0
1501	197	-0.67	-13.19	-199.76	0.0	0.0	0.0
1501	198	-0.32	8.80	119.12	0.0	0.0	0.0
1501	204	3.73	-8.48	-130.80	0.0	0.0	0.0
1501	233	-1.02	-15.24	-226.34	0.0	0.0	0.0
1501	234	0.03	10.85	145.70	0.0	0.0	0.0
1540	1	-0.05	0.19	-23.25	0.0	0.0	0.0
1540	19	-0.01	0.30	-13.63	0.0	0.0	0.0
1540	28	-0.14	-0.05	-49.26	0.0	0.0	0.0
1540	65	-0.04	0.13	-17.27	0.0	0.0	0.0
1540	72	-0.03	0.21	-16.16	0.0	0.0	0.0
1540	80	-0.10	-0.03	-34.61	0.0	0.0	0.0
1540	97	-0.05	0.01	-18.95	0.0	0.0	0.0
1540	98	-0.08	0.02	-27.82	0.0	0.0	0.0
1540	102	-0.04	0.05	-18.39	0.0	0.0	0.0
1540	106	-0.05	0.01	-18.95	0.0	0.0	0.0
1540	107	-0.07	0.02	-26.56	0.0	0.0	0.0
1540	108	8.66	-0.02	-13.73	0.0	0.0	0.0

1540	136	-2.00	0.09	-0.90	0.0	0.0	0.0
1540	139	1.85	-0.05	-52.21	0.0	0.0	0.0
1540	140	9.75	-0.03	-12.12	0.0	0.0	0.0
1540	168	-2.24	0.10	2.32	0.0	0.0	0.0
1540	171	2.10	-0.06	-55.43	0.0	0.0	0.0
1540	172	9.35	-0.03	-12.32	0.0	0.0	0.0
1540	200	-2.24	0.09	2.07	0.0	0.0	0.0
1540	203	2.10	-0.06	-55.18	0.0	0.0	0.0
1540	204	10.79	-0.04	-9.96	0.0	0.0	0.0
1540	232	-2.58	0.11	6.87	0.0	0.0	0.0
1540	235	2.44	-0.07	-59.98	0.0	0.0	0.0
1544	1	-2.37e-03	0.36	-5.82	0.0	0.0	0.0
1544	19	0.01	0.59	-3.82	0.0	0.0	0.0
1544	28	-0.04	-0.15	-9.80	0.0	0.0	0.0
1544	65	-2.50e-03	0.24	-4.38	0.0	0.0	0.0
1544	72	3.67e-03	0.40	-4.21	0.0	0.0	0.0
1544	80	-0.03	-0.10	-7.03	0.0	0.0	0.0
1544	97	-0.01	0.01	-4.63	0.0	0.0	0.0
1544	98	-0.02	0.01	-6.00	0.0	0.0	0.0
1544	102	-8.66e-03	0.09	-4.55	0.0	0.0	0.0
1544	106	-0.01	0.01	-4.63	0.0	0.0	0.0
1544	107	-0.02	0.01	-5.80	0.0	0.0	0.0
1544	108	8.72	6.82e-03	4.57	0.0	0.0	0.0
1544	111	-8.75	0.02	-16.18	0.0	0.0	0.0
1544	140	9.81	6.08e-03	5.87	0.0	0.0	0.0
1544	143	-9.85	0.02	-17.47	0.0	0.0	0.0
1544	172	9.41	7.59e-03	5.47	0.0	0.0	0.0
1544	175	-9.44	0.02	-17.08	0.0	0.0	0.0
1544	204	10.83	7.12e-03	7.22	0.0	0.0	0.0
1544	207	-10.87	0.02	-18.83	0.0	0.0	0.0
1548	1	0.06	0.30	-2.24	0.0	0.0	0.0
1548	19	0.05	0.50	-1.62	0.0	0.0	0.0
1548	28	0.10	-0.14	-2.72	0.0	0.0	0.0
1548	65	0.05	0.20	-1.71	0.0	0.0	0.0
1548	72	0.05	0.33	-1.68	0.0	0.0	0.0
1548	80	0.07	-0.09	-2.04	0.0	0.0	0.0
1548	97	0.04	5.05e-03	-1.77	0.0	0.0	0.0
1548	98	0.06	6.64e-03	-1.92	0.0	0.0	0.0
1548	102	0.05	0.07	-1.75	0.0	0.0	0.0
1548	106	0.04	5.05e-03	-1.77	0.0	0.0	0.0
1548	107	0.06	6.41e-03	-1.90	0.0	0.0	0.0
1548	108	8.54	-2.55e-03	24.33	0.0	0.0	0.0
1548	111	-8.43	0.02	-28.12	0.0	0.0	0.0
1548	140	9.60	-3.62e-03	27.60	0.0	0.0	0.0
1548	143	-9.49	0.02	-31.40	0.0	0.0	0.0
1548	172	9.21	-2.41e-03	26.43	0.0	0.0	0.0
1548	175	-9.10	0.02	-30.22	0.0	0.0	0.0
1548	204	10.60	-3.52e-03	30.73	0.0	0.0	0.0
1548	207	-10.48	0.02	-34.52	0.0	0.0	0.0
1567	1	0.04	0.07	-0.43	0.0	0.0	0.0
1567	19	0.02	0.12	-0.32	0.0	0.0	0.0
1567	28	0.14	-0.04	-0.46	0.0	0.0	0.0
1567	65	0.03	0.05	-0.33	0.0	0.0	0.0
1567	72	0.03	0.08	-0.32	0.0	0.0	0.0
1567	80	0.10	-0.02	-0.35	0.0	0.0	0.0
1567	97	0.04	3.38e-04	-0.33	0.0	0.0	0.0
1567	98	0.07	4.46e-04	-0.34	0.0	0.0	0.0
1567	102	0.03	0.02	-0.33	0.0	0.0	0.0
1567	106	0.04	3.38e-04	-0.33	0.0	0.0	0.0
1567	107	0.06	4.30e-04	-0.34	0.0	0.0	0.0
1567	108	6.03	-1.28e-03	2.08	0.0	0.0	0.0
1567	111	-5.90	2.15e-03	-2.76	0.0	0.0	0.0
1567	140	6.77	-1.47e-03	2.39	0.0	0.0	0.0
1567	143	-6.64	2.33e-03	-3.06	0.0	0.0	0.0
1567	172	6.49	-1.05e-03	2.28	0.0	0.0	0.0
1567	175	-6.36	1.91e-03	-2.96	0.0	0.0	0.0
1567	204	7.46	-1.18e-03	2.68	0.0	0.0	0.0
1567	207	-7.33	2.04e-03	-3.36	0.0	0.0	0.0
1571	1	0.07	0.06	-0.41	0.0	0.0	0.0
1571	19	0.04	0.10	-0.31	0.0	0.0	0.0
1571	28	0.15	-0.03	-0.44	0.0	0.0	0.0
1571	65	0.05	0.04	-0.32	0.0	0.0	0.0
1571	72	0.05	0.06	-0.32	0.0	0.0	0.0
1571	80	0.11	-0.02	-0.34	0.0	0.0	0.0
1571	97	0.05	-2.21e-05	-0.32	0.0	0.0	0.0

1571	98	0.08	-2.90e-05	-0.33	0.0	0.0	0.0
1571	102	0.05	0.01	-0.32	0.0	0.0	0.0
1571	106	0.05	-2.21e-05	-0.32	0.0	0.0	0.0
1571	107	0.08	-2.81e-05	-0.33	0.0	0.0	0.0
1571	108	6.34	1.37e-03	0.13	0.0	0.0	0.0
1571	111	-6.18	-1.43e-03	-0.78	0.0	0.0	0.0
1571	140	7.12	1.53e-03	0.18	0.0	0.0	0.0
1571	143	-6.96	-1.59e-03	-0.84	0.0	0.0	0.0
1571	172	6.82	1.35e-03	0.17	0.0	0.0	0.0
1571	175	-6.67	-1.41e-03	-0.82	0.0	0.0	0.0
1571	204	7.84	1.54e-03	0.24	0.0	0.0	0.0
1571	207	-7.68	-1.60e-03	-0.90	0.0	0.0	0.0
1575	1	0.08	0.09	-0.44	0.0	0.0	0.0
1575	19	0.06	0.16	-0.33	0.0	0.0	0.0
1575	28	0.14	-0.05	-0.47	0.0	0.0	0.0
1575	65	0.06	0.06	-0.34	0.0	0.0	0.0
1575	72	0.06	0.10	-0.33	0.0	0.0	0.0
1575	80	0.10	-0.03	-0.36	0.0	0.0	0.0
1575	97	0.06	-9.84e-05	-0.34	0.0	0.0	0.0
1575	98	0.08	-1.30e-04	-0.35	0.0	0.0	0.0
1575	102	0.06	0.02	-0.34	0.0	0.0	0.0
1575	106	0.06	-9.84e-05	-0.34	0.0	0.0	0.0
1575	107	0.08	-1.26e-04	-0.35	0.0	0.0	0.0
1575	108	6.32	6.36e-03	-1.84	0.0	0.0	0.0
1575	113	6.39	-3.52e-04	-1.86	0.0	0.0	0.0
1575	114	-6.23	1.00e-04	1.16	0.0	0.0	0.0
1575	140	7.10	7.12e-03	-2.03	0.0	0.0	0.0
1575	145	7.18	-3.68e-04	-2.05	0.0	0.0	0.0
1575	146	-7.02	1.16e-04	1.35	0.0	0.0	0.0
1575	172	6.80	6.57e-03	-1.96	0.0	0.0	0.0
1575	177	6.89	-3.86e-04	-1.98	0.0	0.0	0.0
1575	178	-6.72	1.34e-04	1.28	0.0	0.0	0.0
1575	204	7.81	7.64e-03	-2.20	0.0	0.0	0.0
1575	209	7.91	-4.70e-04	-2.22	0.0	0.0	0.0
1575	210	-7.75	2.18e-04	1.53	0.0	0.0	0.0
1591	1	0.17	0.19	-23.27	0.0	0.0	0.0
1591	19	0.10	0.30	-13.64	0.0	0.0	0.0
1591	28	0.37	-0.05	-49.28	0.0	0.0	0.0
1591	65	0.13	0.13	-17.28	0.0	0.0	0.0
1591	72	0.12	0.21	-16.17	0.0	0.0	0.0
1591	80	0.26	-0.03	-34.63	0.0	0.0	0.0
1591	97	0.13	0.01	-18.95	0.0	0.0	0.0
1591	98	0.20	0.02	-27.84	0.0	0.0	0.0
1591	102	0.13	0.05	-18.40	0.0	0.0	0.0
1591	106	0.13	0.01	-18.95	0.0	0.0	0.0
1591	107	0.19	0.02	-26.57	0.0	0.0	0.0
1591	108	8.82	8.41e-03	-14.07	0.0	0.0	0.0
1591	136	-2.10	0.09	-0.52	0.0	0.0	0.0
1591	139	2.49	-0.05	-52.63	0.0	0.0	0.0
1591	140	9.89	7.14e-03	-12.51	0.0	0.0	0.0
1591	168	-2.40	0.10	2.75	0.0	0.0	0.0
1591	171	2.78	-0.06	-55.89	0.0	0.0	0.0
1591	172	9.49	8.02e-03	-12.78	0.0	0.0	0.0
1591	200	-2.41	0.09	2.46	0.0	0.0	0.0
1591	203	2.79	-0.06	-55.60	0.0	0.0	0.0
1591	204	10.89	6.21e-03	-10.55	0.0	0.0	0.0
1591	232	-2.82	0.11	7.31	0.0	0.0	0.0
1591	235	3.21	-0.07	-60.45	0.0	0.0	0.0
1595	1	0.12	0.36	-5.93	0.0	0.0	0.0
1595	19	0.08	0.59	-3.92	0.0	0.0	0.0
1595	28	0.26	-0.15	-9.99	0.0	0.0	0.0
1595	65	0.09	0.24	-4.46	0.0	0.0	0.0
1595	72	0.09	0.40	-4.30	0.0	0.0	0.0
1595	80	0.18	-0.10	-7.17	0.0	0.0	0.0
1595	97	0.09	0.01	-4.70	0.0	0.0	0.0
1595	98	0.14	0.01	-6.11	0.0	0.0	0.0
1595	102	0.09	0.09	-4.62	0.0	0.0	0.0
1595	106	0.09	0.01	-4.70	0.0	0.0	0.0
1595	107	0.14	0.01	-5.91	0.0	0.0	0.0
1595	108	8.92	-4.59e-03	-13.28	0.0	0.0	0.0
1595	113	8.96	-0.04	-15.88	0.0	0.0	0.0
1595	114	-8.68	0.06	4.06	0.0	0.0	0.0
1595	140	10.02	-6.77e-03	-14.21	0.0	0.0	0.0
1595	145	10.06	-0.04	-17.12	0.0	0.0	0.0
1595	146	-9.79	0.07	5.31	0.0	0.0	0.0

1595	172	9.61	-5.07e-03	-13.85	0.0	0.0	0.0
1595	177	9.66	-0.04	-16.65	0.0	0.0	0.0
1595	178	-9.39	0.06	4.84	0.0	0.0	0.0
1595	204	11.05	-7.63e-03	-15.03	0.0	0.0	0.0
1595	209	11.11	-0.05	-18.26	0.0	0.0	0.0
1595	210	-10.83	0.07	6.44	0.0	0.0	0.0
1599	1	0.05	0.32	-2.59	0.0	0.0	0.0
1599	19	0.03	0.52	-1.91	0.0	0.0	0.0
1599	28	0.12	-0.14	-3.23	0.0	0.0	0.0
1599	65	0.03	0.21	-1.97	0.0	0.0	0.0
1599	72	0.03	0.35	-1.96	0.0	0.0	0.0
1599	80	0.08	-0.10	-2.40	0.0	0.0	0.0
1599	97	0.03	5.15e-03	-1.99	0.0	0.0	0.0
1599	98	0.06	6.77e-03	-2.22	0.0	0.0	0.0
1599	102	0.03	0.07	-1.98	0.0	0.0	0.0
1599	106	0.03	5.15e-03	-1.99	0.0	0.0	0.0
1599	107	0.06	6.54e-03	-2.19	0.0	0.0	0.0
1599	108	9.57	-5.02e-03	-29.21	0.0	0.0	0.0
1599	113	9.59	-0.04	-29.24	0.0	0.0	0.0
1599	114	-9.48	0.05	24.86	0.0	0.0	0.0
1599	140	10.75	-6.34e-03	-32.59	0.0	0.0	0.0
1599	145	10.79	-0.04	-32.63	0.0	0.0	0.0
1599	146	-10.67	0.05	28.24	0.0	0.0	0.0
1599	172	10.32	-4.27e-03	-31.36	0.0	0.0	0.0
1599	177	10.35	-0.04	-31.40	0.0	0.0	0.0
1599	178	-10.24	0.05	27.02	0.0	0.0	0.0
1599	204	11.87	-5.49e-03	-35.78	0.0	0.0	0.0
1599	209	11.92	-0.04	-35.83	0.0	0.0	0.0
1599	210	-11.80	0.05	31.45	0.0	0.0	0.0
1617	1	0.05	0.36	-1.40	0.0	0.0	0.0
1617	8	0.06	0.36	-1.04	0.0	0.0	0.0
1617	49	0.05	-4.89e-04	-1.42	0.0	0.0	0.0
1617	65	0.04	0.24	-1.08	0.0	0.0	0.0
1617	68	0.05	0.24	-1.06	0.0	0.0	0.0
1617	89	0.04	-3.63e-04	-1.09	0.0	0.0	0.0
1617	97	0.04	-3.63e-04	-1.09	0.0	0.0	0.0
1617	103	0.05	0.08	-1.07	0.0	0.0	0.0
1617	106	0.04	-3.63e-04	-1.09	0.0	0.0	0.0
1617	107	0.04	-4.55e-04	-1.08	0.0	0.0	0.0
1617	108	6.94	0.03	16.90	0.0	0.0	0.0
1617	113	6.93	-7.60e-03	16.90	0.0	0.0	0.0
1617	114	-6.84	6.69e-03	-19.06	0.0	0.0	0.0
1617	140	7.80	0.03	19.15	0.0	0.0	0.0
1617	145	7.79	-8.43e-03	19.15	0.0	0.0	0.0
1617	146	-7.70	7.52e-03	-21.30	0.0	0.0	0.0
1617	172	7.48	0.03	18.34	0.0	0.0	0.0
1617	177	7.48	-8.20e-03	18.34	0.0	0.0	0.0
1617	178	-7.39	7.29e-03	-20.50	0.0	0.0	0.0
1617	204	8.61	0.04	21.29	0.0	0.0	0.0
1617	209	8.60	-9.55e-03	21.29	0.0	0.0	0.0
1617	210	-8.52	8.64e-03	-23.44	0.0	0.0	0.0
1626	1	-0.01	0.34	-1.42	0.0	0.0	0.0
1626	4	-0.01	0.34	-1.46	0.0	0.0	0.0
1626	53	-0.01	-3.98e-04	-1.08	0.0	0.0	0.0
1626	65	-0.01	0.22	-1.09	0.0	0.0	0.0
1626	68	-0.01	0.22	-1.12	0.0	0.0	0.0
1626	89	-0.01	-4.18e-04	-1.08	0.0	0.0	0.0
1626	97	-0.01	-4.18e-04	-1.08	0.0	0.0	0.0
1626	103	-0.01	0.07	-1.10	0.0	0.0	0.0
1626	106	-0.01	-4.18e-04	-1.08	0.0	0.0	0.0
1626	107	-0.01	-5.27e-04	-1.10	0.0	0.0	0.0
1626	108	5.83	2.15e-03	-18.31	0.0	0.0	0.0
1626	111	-5.86	-3.21e-03	16.12	0.0	0.0	0.0
1626	140	6.56	2.43e-03	-20.46	0.0	0.0	0.0
1626	143	-6.59	-3.48e-03	18.27	0.0	0.0	0.0
1626	172	6.29	2.46e-03	-19.68	0.0	0.0	0.0
1626	175	-6.32	-3.52e-03	17.49	0.0	0.0	0.0
1626	204	7.25	3.13e-03	-22.50	0.0	0.0	0.0
1626	207	-7.28	-4.18e-03	20.31	0.0	0.0	0.0
1645	1	0.08	0.09	-0.55	0.0	0.0	0.0
1645	28	0.12	-0.04	-0.58	0.0	0.0	0.0
1645	53	0.05	2.23e-04	-0.42	0.0	0.0	0.0
1645	65	0.06	0.06	-0.42	0.0	0.0	0.0
1645	80	0.08	-0.03	-0.44	0.0	0.0	0.0
1645	89	0.06	2.34e-04	-0.42	0.0	0.0	0.0

1645	97	0.06	2.34e-04	-0.42	0.0	0.0	0.0
1645	98	0.07	3.07e-04	-0.43	0.0	0.0	0.0
1645	106	0.06	2.34e-04	-0.42	0.0	0.0	0.0
1645	107	0.07	2.97e-04	-0.43	0.0	0.0	0.0
1645	108	8.27	-1.73e-03	-2.79	0.0	0.0	0.0
1645	113	8.28	-5.91e-03	-2.80	0.0	0.0	0.0
1645	114	-8.15	6.50e-03	1.94	0.0	0.0	0.0
1645	140	9.30	-1.95e-03	-3.09	0.0	0.0	0.0
1645	145	9.31	-6.59e-03	-3.10	0.0	0.0	0.0
1645	146	-9.17	7.18e-03	2.23	0.0	0.0	0.0
1645	172	8.92	-1.51e-03	-2.98	0.0	0.0	0.0
1645	177	8.94	-5.71e-03	-2.99	0.0	0.0	0.0
1645	178	-8.80	6.31e-03	2.13	0.0	0.0	0.0
1645	204	10.27	-1.69e-03	-3.37	0.0	0.0	0.0
1645	209	10.28	-6.60e-03	-3.38	0.0	0.0	0.0
1645	210	-10.15	7.19e-03	2.51	0.0	0.0	0.0
1649	1	0.02	0.10	-0.54	0.0	0.0	0.0
1649	19	0.01	0.17	-0.41	0.0	0.0	0.0
1649	28	0.06	-0.05	-0.55	0.0	0.0	0.0
1649	65	0.01	0.07	-0.41	0.0	0.0	0.0
1649	72	0.01	0.11	-0.41	0.0	0.0	0.0
1649	80	0.04	-0.03	-0.42	0.0	0.0	0.0
1649	97	8.97e-03	-7.09e-05	-0.41	0.0	0.0	0.0
1649	98	0.03	-9.30e-05	-0.42	0.0	0.0	0.0
1649	102	9.90e-03	0.02	-0.41	0.0	0.0	0.0
1649	106	8.97e-03	-7.09e-05	-0.41	0.0	0.0	0.0
1649	107	0.02	-8.99e-05	-0.42	0.0	0.0	0.0
1649	108	8.50	5.61e-03	0.76	0.0	0.0	0.0
1649	111	-8.45	-5.79e-03	-1.60	0.0	0.0	0.0
1649	140	9.56	6.24e-03	0.91	0.0	0.0	0.0
1649	143	-9.51	-6.42e-03	-1.74	0.0	0.0	0.0
1649	172	9.18	5.50e-03	0.86	0.0	0.0	0.0
1649	175	-9.13	-5.68e-03	-1.69	0.0	0.0	0.0
1649	204	10.56	6.34e-03	1.05	0.0	0.0	0.0
1649	207	-10.51	-6.52e-03	-1.89	0.0	0.0	0.0
1661	1	-0.11	0.19	-23.51	0.0	0.0	0.0
1661	19	-0.05	0.30	-13.80	0.0	0.0	0.0
1661	28	-0.28	-0.05	-49.66	0.0	0.0	0.0
1661	65	-0.08	0.13	-17.47	0.0	0.0	0.0
1661	72	-0.07	0.21	-16.34	0.0	0.0	0.0
1661	80	-0.20	-0.03	-34.90	0.0	0.0	0.0
1661	97	-0.10	0.01	-19.16	0.0	0.0	0.0
1661	98	-0.15	0.02	-28.09	0.0	0.0	0.0
1661	102	-0.09	0.05	-18.59	0.0	0.0	0.0
1661	106	-0.10	0.01	-19.16	0.0	0.0	0.0
1661	107	-0.15	0.02	-26.81	0.0	0.0	0.0
1661	108	8.62	0.07	-24.90	0.0	0.0	0.0
1661	129	-2.47	-0.05	-53.07	0.0	0.0	0.0
1661	130	2.18	0.09	-0.56	0.0	0.0	0.0
1661	140	9.72	0.07	-24.66	0.0	0.0	0.0
1661	161	-2.77	-0.06	-56.36	0.0	0.0	0.0
1661	162	2.48	0.10	2.74	0.0	0.0	0.0
1661	172	9.32	0.07	-24.61	0.0	0.0	0.0
1661	193	-2.77	-0.06	-56.05	0.0	0.0	0.0
1661	194	2.48	0.10	2.43	0.0	0.0	0.0
1661	204	10.75	0.08	-24.24	0.0	0.0	0.0
1661	225	-3.18	-0.07	-60.92	0.0	0.0	0.0
1661	226	2.89	0.11	7.30	0.0	0.0	0.0
1665	1	-0.06	0.36	-5.90	0.0	0.0	0.0
1665	19	-0.02	0.59	-3.88	0.0	0.0	0.0
1665	28	-0.17	-0.15	-9.94	0.0	0.0	0.0
1665	65	-0.04	0.24	-4.44	0.0	0.0	0.0
1665	72	-0.04	0.40	-4.27	0.0	0.0	0.0
1665	80	-0.12	-0.10	-7.14	0.0	0.0	0.0
1665	97	-0.06	0.01	-4.70	0.0	0.0	0.0
1665	98	-0.09	0.01	-6.09	0.0	0.0	0.0
1665	102	-0.05	0.09	-4.61	0.0	0.0	0.0
1665	106	-0.06	0.01	-4.70	0.0	0.0	0.0
1665	107	-0.09	0.01	-5.89	0.0	0.0	0.0
1665	108	8.73	0.06	4.40	0.0	0.0	0.0
1665	111	-8.91	-0.03	-16.18	0.0	0.0	0.0
1665	140	9.84	0.06	5.68	0.0	0.0	0.0
1665	143	-10.01	-0.04	-17.46	0.0	0.0	0.0
1665	172	9.43	0.06	5.20	0.0	0.0	0.0
1665	175	-9.61	-0.03	-16.98	0.0	0.0	0.0

1665	204	10.88	0.06	6.87	0.0	0.0	0.0
1665	207	-11.05	-0.04	-18.65	0.0	0.0	0.0
1669	1	3.89e-03	0.30	-2.31	0.0	0.0	0.0
1669	19	0.02	0.50	-1.67	0.0	0.0	0.0
1669	28	-0.04	-0.14	-2.85	0.0	0.0	0.0
1669	65	2.99e-03	0.20	-1.77	0.0	0.0	0.0
1669	72	8.37e-03	0.33	-1.74	0.0	0.0	0.0
1669	80	-0.03	-0.09	-2.12	0.0	0.0	0.0
1669	97	-5.08e-03	4.87e-03	-1.81	0.0	0.0	0.0
1669	98	-0.02	6.38e-03	-1.99	0.0	0.0	0.0
1669	102	-2.39e-03	0.07	-1.80	0.0	0.0	0.0
1669	106	-5.08e-03	4.87e-03	-1.81	0.0	0.0	0.0
1669	107	-0.02	6.16e-03	-1.97	0.0	0.0	0.0
1669	108	8.54	0.04	24.22	0.0	0.0	0.0
1669	111	-8.58	-0.03	-28.16	0.0	0.0	0.0
1669	140	9.61	0.05	27.50	0.0	0.0	0.0
1669	143	-9.64	-0.04	-31.43	0.0	0.0	0.0
1669	172	9.22	0.04	26.32	0.0	0.0	0.0
1669	175	-9.26	-0.03	-30.25	0.0	0.0	0.0
1669	204	10.62	0.05	30.61	0.0	0.0	0.0
1669	207	-10.66	-0.04	-34.54	0.0	0.0	0.0
1688	1	-0.02	0.07	-0.42	0.0	0.0	0.0
1688	19	-0.01	0.12	-0.32	0.0	0.0	0.0
1688	28	-0.03	-0.04	-0.44	0.0	0.0	0.0
1688	65	-0.02	0.05	-0.32	0.0	0.0	0.0
1688	72	-0.02	0.08	-0.32	0.0	0.0	0.0
1688	80	-0.02	-0.02	-0.33	0.0	0.0	0.0
1688	97	-0.02	3.04e-04	-0.33	0.0	0.0	0.0
1688	98	-0.02	3.95e-04	-0.33	0.0	0.0	0.0
1688	102	-0.02	0.02	-0.32	0.0	0.0	0.0
1688	106	-0.02	3.04e-04	-0.33	0.0	0.0	0.0
1688	107	-0.02	3.82e-04	-0.33	0.0	0.0	0.0
1688	108	6.04	-1.41e-03	2.07	0.0	0.0	0.0
1688	111	-6.08	2.18e-03	-2.73	0.0	0.0	0.0
1688	140	6.79	-1.61e-03	2.37	0.0	0.0	0.0
1688	143	-6.84	2.37e-03	-3.03	0.0	0.0	0.0
1688	172	6.52	-1.19e-03	2.26	0.0	0.0	0.0
1688	175	-6.56	1.95e-03	-2.92	0.0	0.0	0.0
1688	204	7.51	-1.32e-03	2.65	0.0	0.0	0.0
1688	207	-7.56	2.08e-03	-3.31	0.0	0.0	0.0
1690	1	1.09e-04	1.46	-36.96	0.0	0.0	0.0
1690	19	6.24e-05	2.20	-17.52	0.0	0.0	0.0
1690	28	2.18e-04	-1.02	-97.95	0.0	0.0	0.0
1690	65	7.85e-05	0.99	-27.45	0.0	0.0	0.0
1690	72	7.47e-05	1.53	-24.06	0.0	0.0	0.0
1690	80	1.52e-04	-0.67	-68.11	0.0	0.0	0.0
1690	97	8.41e-05	0.17	-32.55	0.0	0.0	0.0
1690	98	1.52e-04	0.29	-51.60	0.0	0.0	0.0
1690	102	8.22e-05	0.44	-30.85	0.0	0.0	0.0
1690	106	8.41e-05	0.17	-32.55	0.0	0.0	0.0
1690	107	1.42e-04	0.27	-48.87	0.0	0.0	0.0
1690	108	0.11	5.36	-12.62	0.0	0.0	0.0
1690	136	0.08	9.82	22.81	0.0	0.0	0.0
1690	139	-0.08	-9.27	-120.56	0.0	0.0	0.0
1690	140	0.12	5.99	-8.07	0.0	0.0	0.0
1690	168	0.09	11.02	31.82	0.0	0.0	0.0
1690	171	-0.09	-10.47	-129.57	0.0	0.0	0.0
1690	172	0.12	5.92	-8.68	0.0	0.0	0.0
1690	200	0.09	10.93	31.13	0.0	0.0	0.0
1690	203	-0.09	-10.39	-128.88	0.0	0.0	0.0
1690	204	0.14	6.86	-2.05	0.0	0.0	0.0
1690	232	0.10	12.73	44.57	0.0	0.0	0.0
1690	235	-0.10	-12.18	-142.32	0.0	0.0	0.0
1692	1	6.01e-03	0.06	-0.40	0.0	0.0	0.0
1692	19	0.01	0.10	-0.31	0.0	0.0	0.0
1692	28	-1.63e-03	-0.03	-0.41	0.0	0.0	0.0
1692	65	3.98e-03	0.04	-0.31	0.0	0.0	0.0
1692	72	6.95e-03	0.06	-0.31	0.0	0.0	0.0
1692	80	-1.12e-03	-0.02	-0.32	0.0	0.0	0.0
1692	97	-4.73e-04	-2.11e-05	-0.31	0.0	0.0	0.0
1692	98	-9.36e-04	-2.76e-05	-0.31	0.0	0.0	0.0
1692	102	1.01e-03	0.01	-0.31	0.0	0.0	0.0
1692	106	-4.73e-04	-2.11e-05	-0.31	0.0	0.0	0.0
1692	107	-8.70e-04	-2.66e-05	-0.31	0.0	0.0	0.0
1692	108	6.36	2.28e-04	0.11	0.0	0.0	0.0

1692	111	-6.37	-2.82e-04	-0.74	0.0	0.0	0.0
1692	140	7.16	2.47e-04	0.17	0.0	0.0	0.0
1692	143	-7.16	-3.00e-04	-0.79	0.0	0.0	0.0
1692	172	6.87	1.13e-04	0.15	0.0	0.0	0.0
1692	175	-6.87	-1.67e-04	-0.77	0.0	0.0	0.0
1692	204	7.91	1.09e-04	0.22	0.0	0.0	0.0
1692	207	-7.91	-1.63e-04	-0.84	0.0	0.0	0.0
1696	1	0.03	0.09	-0.42	0.0	0.0	0.0
1696	28	0.02	-0.05	-0.43	0.0	0.0	0.0
1696	53	0.02	-7.23e-05	-0.32	0.0	0.0	0.0
1696	65	0.03	0.06	-0.32	0.0	0.0	0.0
1696	80	0.02	-0.03	-0.33	0.0	0.0	0.0
1696	89	0.02	-7.58e-05	-0.32	0.0	0.0	0.0
1696	97	0.02	-7.58e-05	-0.32	0.0	0.0	0.0
1696	98	0.02	-9.82e-05	-0.33	0.0	0.0	0.0
1696	106	0.02	-7.58e-05	-0.32	0.0	0.0	0.0
1696	107	0.02	-9.50e-05	-0.33	0.0	0.0	0.0
1696	108	6.38	-3.67e-04	-1.84	0.0	0.0	0.0
1696	113	6.36	-7.01e-03	-1.85	0.0	0.0	0.0
1696	114	-6.32	6.82e-03	1.20	0.0	0.0	0.0
1696	140	7.17	-3.84e-04	-2.03	0.0	0.0	0.0
1696	145	7.16	-7.78e-03	-2.04	0.0	0.0	0.0
1696	146	-7.12	7.59e-03	1.39	0.0	0.0	0.0
1696	172	6.88	-8.52e-05	-1.96	0.0	0.0	0.0
1696	177	6.87	-6.95e-03	-1.97	0.0	0.0	0.0
1696	178	-6.83	6.76e-03	1.32	0.0	0.0	0.0
1696	204	7.92	2.14e-05	-2.21	0.0	0.0	0.0
1696	209	7.91	-7.99e-03	-2.22	0.0	0.0	0.0
1696	210	-7.87	7.80e-03	1.57	0.0	0.0	0.0
1712	1	0.11	0.19	-23.51	0.0	0.0	0.0
1712	19	0.07	0.30	-13.80	0.0	0.0	0.0
1712	28	0.24	-0.05	-49.66	0.0	0.0	0.0
1712	65	0.08	0.13	-17.47	0.0	0.0	0.0
1712	72	0.08	0.21	-16.34	0.0	0.0	0.0
1712	80	0.16	-0.03	-34.90	0.0	0.0	0.0
1712	97	0.08	0.01	-19.15	0.0	0.0	0.0
1712	98	0.13	0.02	-28.09	0.0	0.0	0.0
1712	102	0.08	0.05	-18.59	0.0	0.0	0.0
1712	106	0.08	0.01	-19.15	0.0	0.0	0.0
1712	107	0.12	0.02	-26.81	0.0	0.0	0.0
1712	108	8.79	0.06	-25.21	0.0	0.0	0.0
1712	129	-1.83	-0.05	-52.67	0.0	0.0	0.0
1712	130	2.07	0.09	-0.96	0.0	0.0	0.0
1712	140	9.87	0.07	-25.02	0.0	0.0	0.0
1712	161	-2.08	-0.06	-55.91	0.0	0.0	0.0
1712	162	2.32	0.10	2.29	0.0	0.0	0.0
1712	172	9.48	0.06	-25.05	0.0	0.0	0.0
1712	193	-2.07	-0.06	-55.64	0.0	0.0	0.0
1712	194	2.32	0.10	2.02	0.0	0.0	0.0
1712	204	10.90	0.07	-24.80	0.0	0.0	0.0
1712	225	-2.41	-0.07	-60.47	0.0	0.0	0.0
1712	226	2.65	0.11	6.85	0.0	0.0	0.0
1716	1	0.07	0.36	-5.92	0.0	0.0	0.0
1716	19	0.05	0.59	-3.91	0.0	0.0	0.0
1716	28	0.14	-0.15	-9.96	0.0	0.0	0.0
1716	65	0.05	0.24	-4.46	0.0	0.0	0.0
1716	72	0.05	0.40	-4.29	0.0	0.0	0.0
1716	80	0.10	-0.10	-7.15	0.0	0.0	0.0
1716	97	0.05	0.01	-4.70	0.0	0.0	0.0
1716	98	0.08	0.01	-6.10	0.0	0.0	0.0
1716	102	0.05	0.09	-4.62	0.0	0.0	0.0
1716	106	0.05	0.01	-4.70	0.0	0.0	0.0
1716	107	0.07	0.01	-5.90	0.0	0.0	0.0
1716	108	8.86	0.07	-13.42	0.0	0.0	0.0
1716	113	8.81	0.03	-15.95	0.0	0.0	0.0
1716	114	-8.67	-7.24e-03	4.16	0.0	0.0	0.0
1716	140	9.96	0.07	-14.37	0.0	0.0	0.0
1716	145	9.90	0.04	-17.21	0.0	0.0	0.0
1716	146	-9.76	-9.60e-03	5.42	0.0	0.0	0.0
1716	172	9.56	0.07	-14.07	0.0	0.0	0.0
1716	177	9.50	0.03	-16.82	0.0	0.0	0.0
1716	178	-9.36	-6.81e-03	5.03	0.0	0.0	0.0
1716	204	10.99	0.07	-15.34	0.0	0.0	0.0
1716	209	10.93	0.04	-18.51	0.0	0.0	0.0
1716	210	-10.78	-9.24e-03	6.71	0.0	0.0	0.0

1720	1	-0.03	0.32	-2.52	0.0	0.0	0.0
1720	19	-8.42e-03	0.52	-1.86	0.0	0.0	0.0
1720	28	-0.05	-0.14	-3.12	0.0	0.0	0.0
1720	65	-0.02	0.21	-1.92	0.0	0.0	0.0
1720	72	-0.02	0.35	-1.91	0.0	0.0	0.0
1720	80	-0.04	-0.10	-2.32	0.0	0.0	0.0
1720	97	-0.03	4.86e-03	-1.95	0.0	0.0	0.0
1720	98	-0.03	6.34e-03	-2.16	0.0	0.0	0.0
1720	102	-0.03	0.07	-1.94	0.0	0.0	0.0
1720	106	-0.03	4.86e-03	-1.95	0.0	0.0	0.0
1720	107	-0.03	6.13e-03	-2.13	0.0	0.0	0.0
1720	108	9.48	-0.01	-29.18	0.0	0.0	0.0
1720	113	9.41	-0.04	-29.22	0.0	0.0	0.0
1720	114	-9.48	0.05	24.96	0.0	0.0	0.0
1720	140	10.67	-0.01	-32.56	0.0	0.0	0.0
1720	145	10.59	-0.05	-32.60	0.0	0.0	0.0
1720	146	-10.66	0.06	28.35	0.0	0.0	0.0
1720	172	10.23	-0.01	-31.33	0.0	0.0	0.0
1720	177	10.16	-0.04	-31.38	0.0	0.0	0.0
1720	178	-10.23	0.05	27.13	0.0	0.0	0.0
1720	204	11.78	-0.01	-35.76	0.0	0.0	0.0
1720	209	11.70	-0.05	-35.82	0.0	0.0	0.0
1720	210	-11.77	0.06	31.57	0.0	0.0	0.0
1738	1	-0.02	0.35	-1.42	0.0	0.0	0.0
1738	48	-0.07	-0.29	-1.06	0.0	0.0	0.0
1738	49	-0.03	-8.88e-05	-1.42	0.0	0.0	0.0
1738	65	-0.01	0.23	-1.09	0.0	0.0	0.0
1738	88	-0.05	-0.19	-1.07	0.0	0.0	0.0
1738	89	-0.02	-6.71e-05	-1.10	0.0	0.0	0.0
1738	97	-0.02	-6.71e-05	-1.10	0.0	0.0	0.0
1738	105	-0.04	-0.04	-1.08	0.0	0.0	0.0
1738	106	-0.02	-6.71e-05	-1.10	0.0	0.0	0.0
1738	107	-0.04	-7.04e-05	-1.09	0.0	0.0	0.0
1738	108	6.80	0.04	16.92	0.0	0.0	0.0
1738	113	6.68	5.75e-03	16.94	0.0	0.0	0.0
1738	114	-6.76	-5.89e-03	-19.11	0.0	0.0	0.0
1738	140	7.65	0.05	19.17	0.0	0.0	0.0
1738	145	7.52	6.48e-03	19.19	0.0	0.0	0.0
1738	146	-7.60	-6.62e-03	-21.36	0.0	0.0	0.0
1738	172	7.33	0.04	18.36	0.0	0.0	0.0
1738	177	7.20	5.54e-03	18.38	0.0	0.0	0.0
1738	178	-7.28	-5.68e-03	-20.56	0.0	0.0	0.0
1738	204	8.44	0.05	21.31	0.0	0.0	0.0
1738	209	8.29	6.03e-03	21.34	0.0	0.0	0.0
1738	210	-8.37	-6.18e-03	-23.52	0.0	0.0	0.0
1747	1	-0.15	0.33	-1.32	0.0	0.0	0.0
1747	15	-0.12	0.55	-1.33	0.0	0.0	0.0
1747	56	-0.26	-5.85e-04	-0.96	0.0	0.0	0.0
1747	65	-0.11	0.22	-1.02	0.0	0.0	0.0
1747	72	-0.10	0.37	-1.02	0.0	0.0	0.0
1747	92	-0.22	-5.09e-04	-0.98	0.0	0.0	0.0
1747	97	-0.13	-3.22e-04	-1.01	0.0	0.0	0.0
1747	98	-0.19	-4.40e-04	-0.99	0.0	0.0	0.0
1747	102	-0.13	0.07	-1.01	0.0	0.0	0.0
1747	106	-0.13	-3.22e-04	-1.01	0.0	0.0	0.0
1747	107	-0.18	-4.23e-04	-0.99	0.0	0.0	0.0
1747	108	5.62	-0.02	-18.24	0.0	0.0	0.0
1747	111	-5.99	0.02	16.25	0.0	0.0	0.0
1747	140	6.35	-0.02	-20.39	0.0	0.0	0.0
1747	143	-6.71	0.02	18.41	0.0	0.0	0.0
1747	172	6.08	-0.02	-19.61	0.0	0.0	0.0
1747	175	-6.44	0.02	17.63	0.0	0.0	0.0
1747	204	7.02	-0.02	-22.43	0.0	0.0	0.0
1747	207	-7.39	0.02	20.45	0.0	0.0	0.0
1766	1	-0.02	0.09	-0.57	0.0	0.0	0.0
1766	19	0.01	0.15	-0.43	0.0	0.0	0.0
1766	28	-0.12	-0.04	-0.62	0.0	0.0	0.0
1766	65	-0.02	0.06	-0.44	0.0	0.0	0.0
1766	72	-6.02e-03	0.10	-0.43	0.0	0.0	0.0
1766	80	-0.08	-0.03	-0.47	0.0	0.0	0.0
1766	97	-0.03	2.30e-04	-0.44	0.0	0.0	0.0
1766	98	-0.06	3.02e-04	-0.45	0.0	0.0	0.0
1766	102	-0.03	0.02	-0.44	0.0	0.0	0.0
1766	106	-0.03	2.30e-04	-0.44	0.0	0.0	0.0
1766	107	-0.05	2.92e-04	-0.45	0.0	0.0	0.0

1766	108	8.12	6.58e-03	-2.84	0.0	0.0	0.0
1766	113	8.03	2.41e-03	-2.86	0.0	0.0	0.0
1766	114	-8.14	-1.83e-03	1.95	0.0	0.0	0.0
1766	140	9.14	7.27e-03	-3.13	0.0	0.0	0.0
1766	145	9.04	2.64e-03	-3.16	0.0	0.0	0.0
1766	146	-9.15	-2.06e-03	2.25	0.0	0.0	0.0
1766	172	8.76	6.37e-03	-3.03	0.0	0.0	0.0
1766	177	8.66	2.18e-03	-3.05	0.0	0.0	0.0
1766	178	-8.77	-1.60e-03	2.15	0.0	0.0	0.0
1766	204	10.10	7.27e-03	-3.42	0.0	0.0	0.0
1766	209	9.97	2.38e-03	-3.45	0.0	0.0	0.0
1766	210	-10.08	-1.79e-03	2.54	0.0	0.0	0.0
1770	1	-0.06	0.10	-0.56	0.0	0.0	0.0
1770	19	-0.03	0.17	-0.42	0.0	0.0	0.0
1770	28	-0.13	-0.05	-0.61	0.0	0.0	0.0
1770	65	-0.05	0.07	-0.43	0.0	0.0	0.0
1770	72	-0.04	0.11	-0.43	0.0	0.0	0.0
1770	80	-0.10	-0.03	-0.46	0.0	0.0	0.0
1770	97	-0.06	-7.48e-05	-0.44	0.0	0.0	0.0
1770	98	-0.08	-9.94e-05	-0.45	0.0	0.0	0.0
1770	102	-0.06	0.02	-0.43	0.0	0.0	0.0
1770	106	-0.06	-7.48e-05	-0.44	0.0	0.0	0.0
1770	107	-0.08	-9.59e-05	-0.45	0.0	0.0	0.0
1770	108	8.36	-1.53e-03	0.71	0.0	0.0	0.0
1770	111	-8.51	1.34e-03	-1.61	0.0	0.0	0.0
1770	140	9.41	-1.70e-03	0.86	0.0	0.0	0.0
1770	143	-9.57	1.51e-03	-1.75	0.0	0.0	0.0
1770	172	9.02	-1.43e-03	0.80	0.0	0.0	0.0
1770	175	-9.18	1.24e-03	-1.70	0.0	0.0	0.0
1770	204	10.40	-1.54e-03	0.99	0.0	0.0	0.0
1770	207	-10.55	1.35e-03	-1.89	0.0	0.0	0.0
1782	1	-0.62	0.35	-19.13	0.0	0.0	0.0
1782	19	-0.26	0.57	-9.82	0.0	0.0	0.0
1782	28	-1.63	-0.14	-42.91	0.0	0.0	0.0
1782	65	-0.47	0.23	-14.41	0.0	0.0	0.0
1782	72	-0.39	0.38	-12.77	0.0	0.0	0.0
1782	80	-1.14	-0.09	-30.26	0.0	0.0	0.0
1782	97	-0.59	9.63e-03	-16.88	0.0	0.0	0.0
1782	98	-0.87	0.01	-23.81	0.0	0.0	0.0
1782	102	-0.55	0.08	-16.06	0.0	0.0	0.0
1782	106	-0.59	9.63e-03	-16.88	0.0	0.0	0.0
1782	107	-0.83	0.01	-22.82	0.0	0.0	0.0
1782	108	7.22	0.07	-39.78	0.0	0.0	0.0
1782	133	-1.55	-0.04	-64.54	0.0	0.0	0.0
1782	134	-0.11	0.06	18.90	0.0	0.0	0.0
1782	140	8.22	0.07	-41.94	0.0	0.0	0.0
1782	165	-1.63	-0.04	-69.74	0.0	0.0	0.0
1782	166	-0.03	0.07	24.10	0.0	0.0	0.0
1782	172	7.81	0.07	-42.13	0.0	0.0	0.0
1782	201	-2.26	-0.04	-69.09	0.0	0.0	0.0
1782	202	0.60	0.06	23.46	0.0	0.0	0.0
1782	204	9.09	0.08	-45.66	0.0	0.0	0.0
1782	233	-2.47	-0.05	-76.91	0.0	0.0	0.0
1782	234	0.82	0.07	31.27	0.0	0.0	0.0
1786	1	-0.58	0.62	-5.30	0.0	0.0	0.0
1786	19	-0.24	1.03	-3.30	0.0	0.0	0.0
1786	28	-1.49	-0.31	-9.13	0.0	0.0	0.0
1786	65	-0.43	0.41	-4.03	0.0	0.0	0.0
1786	72	-0.36	0.69	-3.77	0.0	0.0	0.0
1786	80	-1.05	-0.21	-6.58	0.0	0.0	0.0
1786	97	-0.54	6.03e-04	-4.41	0.0	0.0	0.0
1786	98	-0.80	7.14e-04	-5.55	0.0	0.0	0.0
1786	102	-0.51	0.14	-4.28	0.0	0.0	0.0
1786	106	-0.54	6.03e-04	-4.41	0.0	0.0	0.0
1786	107	-0.76	6.98e-04	-5.39	0.0	0.0	0.0
1786	108	7.50	0.10	4.44	0.0	0.0	0.0
1786	111	-9.02	-0.10	-15.21	0.0	0.0	0.0
1786	140	8.53	0.11	5.67	0.0	0.0	0.0
1786	143	-10.05	-0.11	-16.44	0.0	0.0	0.0
1786	172	8.13	0.10	5.09	0.0	0.0	0.0
1786	175	-9.65	-0.10	-15.86	0.0	0.0	0.0
1786	204	9.46	0.12	6.58	0.0	0.0	0.0
1786	207	-10.98	-0.12	-17.35	0.0	0.0	0.0
1790	1	-0.33	0.52	-2.40	0.0	0.0	0.0
1790	19	-0.13	0.88	-1.69	0.0	0.0	0.0

1790	28	-0.88	-0.27	-3.15	0.0	0.0	0.0
1790	65	-0.25	0.35	-1.84	0.0	0.0	0.0
1790	72	-0.20	0.58	-1.79	0.0	0.0	0.0
1790	80	-0.61	-0.18	-2.33	0.0	0.0	0.0
1790	97	-0.31	-3.75e-03	-1.91	0.0	0.0	0.0
1790	98	-0.47	-4.83e-03	-2.14	0.0	0.0	0.0
1790	102	-0.29	0.11	-1.89	0.0	0.0	0.0
1790	106	-0.31	-3.75e-03	-1.91	0.0	0.0	0.0
1790	107	-0.44	-4.68e-03	-2.11	0.0	0.0	0.0
1790	108	7.76	-0.03	23.60	0.0	0.0	0.0
1790	111	-8.65	0.02	-27.83	0.0	0.0	0.0
1790	140	8.79	-0.04	26.82	0.0	0.0	0.0
1790	143	-9.68	0.03	-31.04	0.0	0.0	0.0
1790	172	8.39	-0.04	25.64	0.0	0.0	0.0
1790	175	-9.28	0.03	-29.86	0.0	0.0	0.0
1790	204	9.72	-0.04	29.84	0.0	0.0	0.0
1790	207	-10.61	0.03	-34.07	0.0	0.0	0.0
1809	1	-0.17	0.09	-0.50	0.0	0.0	0.0
1809	19	-0.08	0.15	-0.36	0.0	0.0	0.0
1809	28	-0.37	-0.04	-0.63	0.0	0.0	0.0
1809	65	-0.13	0.06	-0.38	0.0	0.0	0.0
1809	72	-0.11	0.10	-0.37	0.0	0.0	0.0
1809	80	-0.26	-0.03	-0.47	0.0	0.0	0.0
1809	97	-0.15	-1.96e-04	-0.40	0.0	0.0	0.0
1809	98	-0.21	-2.60e-04	-0.44	0.0	0.0	0.0
1809	102	-0.14	0.02	-0.39	0.0	0.0	0.0
1809	106	-0.15	-1.96e-04	-0.40	0.0	0.0	0.0
1809	107	-0.20	-2.51e-04	-0.43	0.0	0.0	0.0
1809	108	5.77	-4.00e-03	1.97	0.0	0.0	0.0
1809	111	-6.17	3.50e-03	-2.82	0.0	0.0	0.0
1809	140	6.51	-4.48e-03	2.26	0.0	0.0	0.0
1809	143	-6.92	3.98e-03	-3.12	0.0	0.0	0.0
1809	172	6.23	-4.25e-03	2.15	0.0	0.0	0.0
1809	175	-6.63	3.75e-03	-3.01	0.0	0.0	0.0
1809	204	7.19	-4.83e-03	2.54	0.0	0.0	0.0
1809	207	-7.60	4.33e-03	-3.40	0.0	0.0	0.0
1813	1	-0.18	0.06	-0.45	0.0	0.0	0.0
1813	19	-0.08	0.09	-0.33	0.0	0.0	0.0
1813	28	-0.46	-0.03	-0.54	0.0	0.0	0.0
1813	65	-0.13	0.04	-0.35	0.0	0.0	0.0
1813	72	-0.11	0.06	-0.34	0.0	0.0	0.0
1813	80	-0.32	-0.02	-0.40	0.0	0.0	0.0
1813	97	-0.17	1.41e-05	-0.36	0.0	0.0	0.0
1813	98	-0.25	1.85e-05	-0.38	0.0	0.0	0.0
1813	102	-0.16	0.01	-0.35	0.0	0.0	0.0
1813	106	-0.17	1.41e-05	-0.36	0.0	0.0	0.0
1813	107	-0.23	1.79e-05	-0.38	0.0	0.0	0.0
1813	108	6.05	1.19e-03	0.03	0.0	0.0	0.0
1813	111	-6.52	-1.15e-03	-0.78	0.0	0.0	0.0
1813	140	6.83	1.34e-03	0.08	0.0	0.0	0.0
1813	143	-7.30	-1.30e-03	-0.83	0.0	0.0	0.0
1813	172	6.54	1.32e-03	0.05	0.0	0.0	0.0
1813	175	-7.01	-1.28e-03	-0.81	0.0	0.0	0.0
1813	204	7.55	1.54e-03	0.12	0.0	0.0	0.0
1813	207	-8.02	-1.50e-03	-0.87	0.0	0.0	0.0
1817	1	-0.17	0.09	-0.46	0.0	0.0	0.0
1817	19	-0.06	0.15	-0.34	0.0	0.0	0.0
1817	28	-0.49	-0.04	-0.52	0.0	0.0	0.0
1817	65	-0.13	0.06	-0.35	0.0	0.0	0.0
1817	72	-0.11	0.10	-0.35	0.0	0.0	0.0
1817	80	-0.34	-0.03	-0.40	0.0	0.0	0.0
1817	97	-0.16	4.36e-05	-0.36	0.0	0.0	0.0
1817	98	-0.26	5.99e-05	-0.38	0.0	0.0	0.0
1817	102	-0.15	0.02	-0.35	0.0	0.0	0.0
1817	106	-0.16	4.36e-05	-0.36	0.0	0.0	0.0
1817	107	-0.24	5.76e-05	-0.37	0.0	0.0	0.0
1817	108	6.04	9.27e-03	-1.92	0.0	0.0	0.0
1817	113	5.91	2.80e-03	-1.94	0.0	0.0	0.0
1817	114	-6.39	-2.68e-03	1.20	0.0	0.0	0.0
1817	140	6.83	0.01	-2.11	0.0	0.0	0.0
1817	145	6.68	3.13e-03	-2.14	0.0	0.0	0.0
1817	146	-7.16	-3.02e-03	1.39	0.0	0.0	0.0
1817	172	6.53	9.54e-03	-2.04	0.0	0.0	0.0
1817	177	6.38	2.85e-03	-2.07	0.0	0.0	0.0
1817	178	-6.86	-2.74e-03	1.33	0.0	0.0	0.0

1817	204	7.55	0.01	-2.30	0.0	0.0	0.0
1817	209	7.37	3.21e-03	-2.33	0.0	0.0	0.0
1817	210	-7.86	-3.10e-03	1.59	0.0	0.0	0.0
2931	1	4.71e-04	0.94	-19.07	0.0	0.0	0.0
2931	19	4.66e-04	1.66	-11.48	0.0	0.0	0.0
2931	28	8.86e-05	-1.22	-39.35	0.0	0.0	0.0
2931	65	3.56e-04	0.62	-14.21	0.0	0.0	0.0
2931	72	4.03e-04	1.08	-13.37	0.0	0.0	0.0
2931	80	1.01e-04	-0.82	-27.74	0.0	0.0	0.0
2931	97	2.86e-04	-0.07	-15.47	0.0	0.0	0.0
2931	98	1.92e-04	-0.10	-22.36	0.0	0.0	0.0
2931	102	3.09e-04	0.16	-15.05	0.0	0.0	0.0
2931	106	2.86e-04	-0.07	-15.47	0.0	0.0	0.0
2931	107	2.05e-04	-0.09	-21.38	0.0	0.0	0.0
2931	108	0.07	11.64	3.57	0.0	0.0	0.0
2931	132	0.04	13.33	5.14	0.0	0.0	0.0
2931	135	-0.04	-13.52	-47.90	0.0	0.0	0.0
2931	140	0.08	13.11	6.71	0.0	0.0	0.0
2931	164	0.05	15.03	8.50	0.0	0.0	0.0
2931	167	-0.05	-15.22	-51.26	0.0	0.0	0.0
2931	172	0.07	12.98	6.60	0.0	0.0	0.0
2931	200	0.04	15.18	8.63	0.0	0.0	0.0
2931	203	-0.04	-15.36	-51.38	0.0	0.0	0.0
2931	204	0.09	15.19	11.43	0.0	0.0	0.0
2931	232	0.05	17.91	14.04	0.0	0.0	0.0
2931	235	-0.05	-18.09	-56.80	0.0	0.0	0.0
2956	1	-3.06e-05	0.90	-16.91	0.0	0.0	0.0
2956	19	-6.39e-05	1.66	-9.90	0.0	0.0	0.0
2956	28	1.84e-04	-1.36	-36.03	0.0	0.0	0.0
2956	65	-2.53e-05	0.59	-12.60	0.0	0.0	0.0
2956	72	-3.95e-05	1.06	-11.75	0.0	0.0	0.0
2956	80	1.18e-04	-0.91	-25.35	0.0	0.0	0.0
2956	97	-4.06e-06	-0.12	-13.89	0.0	0.0	0.0
2956	98	6.51e-05	-0.18	-20.29	0.0	0.0	0.0
2956	102	-1.11e-05	0.11	-13.46	0.0	0.0	0.0
2956	106	-4.06e-06	-0.12	-13.89	0.0	0.0	0.0
2956	107	5.52e-05	-0.17	-19.38	0.0	0.0	0.0
2956	108	0.06	-5.80	-0.88	0.0	0.0	0.0
2956	129	0.04	-13.72	-46.17	0.0	0.0	0.0
2956	130	-0.04	13.38	7.41	0.0	0.0	0.0
2956	140	0.07	-6.52	1.44	0.0	0.0	0.0
2956	161	0.04	-15.45	-49.53	0.0	0.0	0.0
2956	162	-0.04	15.10	10.78	0.0	0.0	0.0
2956	172	0.06	-6.47	0.88	0.0	0.0	0.0
2956	193	0.04	-15.50	-49.27	0.0	0.0	0.0
2956	194	-0.04	15.15	10.51	0.0	0.0	0.0
2956	204	0.07	-7.56	4.11	0.0	0.0	0.0
2956	225	0.04	-18.23	-54.35	0.0	0.0	0.0
2956	226	-0.04	17.89	15.59	0.0	0.0	0.0
5384	1	0.07	0.48	-1.93	0.0	0.0	0.0
5384	15	0.06	0.80	-1.94	0.0	0.0	0.0
5384	32	0.14	-0.24	-1.34	0.0	0.0	0.0
5384	65	0.05	0.32	-1.49	0.0	0.0	0.0
5384	72	0.05	0.53	-1.50	0.0	0.0	0.0
5384	80	0.12	-0.16	-1.38	0.0	0.0	0.0
5384	97	0.06	2.87e-04	-1.48	0.0	0.0	0.0
5384	98	0.09	3.76e-04	-1.42	0.0	0.0	0.0
5384	102	0.06	0.11	-1.48	0.0	0.0	0.0
5384	106	0.06	2.87e-04	-1.48	0.0	0.0	0.0
5384	107	0.09	3.63e-04	-1.43	0.0	0.0	0.0
5384	108	4.73	-0.01	-1.95	0.0	0.0	0.0
5384	111	-4.55	0.01	-0.92	0.0	0.0	0.0
5384	140	5.30	-0.01	-2.01	0.0	0.0	0.0
5384	143	-5.13	0.01	-0.85	0.0	0.0	0.0
5384	172	5.08	-0.01	-1.99	0.0	0.0	0.0
5384	175	-4.91	0.01	-0.88	0.0	0.0	0.0
5384	204	5.84	-0.01	-2.07	0.0	0.0	0.0
5384	207	-5.66	0.01	-0.79	0.0	0.0	0.0
5389	1	0.01	0.46	-2.04	0.0	0.0	0.0
5389	15	0.01	0.77	-2.04	0.0	0.0	0.0
5389	32	0.01	-0.23	-1.55	0.0	0.0	0.0
5389	65	7.62e-03	0.31	-1.57	0.0	0.0	0.0
5389	72	8.81e-03	0.52	-1.57	0.0	0.0	0.0
5389	80	0.01	-0.15	-1.55	0.0	0.0	0.0
5389	97	5.82e-03	7.89e-04	-1.56	0.0	0.0	0.0

5389	102	6.42e-03	0.10	-1.57	0.0	0.0	0.0
5389	105	8.72e-03	-0.05	-1.56	0.0	0.0	0.0
5389	106	5.82e-03	7.89e-04	-1.56	0.0	0.0	0.0
5389	107	8.59e-03	9.99e-04	-1.56	0.0	0.0	0.0
5389	108	4.75	9.27e-03	-2.04	0.0	0.0	0.0
5389	111	-4.74	-7.27e-03	-1.08	0.0	0.0	0.0
5389	140	5.35	0.01	-2.09	0.0	0.0	0.0
5389	143	-5.33	-8.31e-03	-1.02	0.0	0.0	0.0
5389	172	5.13	0.01	-2.07	0.0	0.0	0.0
5389	175	-5.11	-8.92e-03	-1.05	0.0	0.0	0.0
5389	204	5.91	0.01	-2.14	0.0	0.0	0.0
5389	207	-5.89	-0.01	-0.98	0.0	0.0	0.0
5397	1	-0.06	0.48	-1.91	0.0	0.0	0.0
5397	15	-0.05	0.80	-1.92	0.0	0.0	0.0
5397	32	-0.13	-0.24	-1.31	0.0	0.0	0.0
5397	65	-0.04	0.32	-1.47	0.0	0.0	0.0
5397	72	-0.04	0.53	-1.48	0.0	0.0	0.0
5397	80	-0.11	-0.16	-1.35	0.0	0.0	0.0
5397	97	-0.06	2.35e-04	-1.46	0.0	0.0	0.0
5397	98	-0.08	3.12e-04	-1.40	0.0	0.0	0.0
5397	102	-0.05	0.11	-1.46	0.0	0.0	0.0
5397	106	-0.06	2.35e-04	-1.46	0.0	0.0	0.0
5397	107	-0.08	3.01e-04	-1.41	0.0	0.0	0.0
5397	108	4.63	-0.01	-1.89	0.0	0.0	0.0
5397	111	-4.79	0.01	-0.93	0.0	0.0	0.0
5397	140	5.22	-0.01	-1.95	0.0	0.0	0.0
5397	143	-5.38	0.01	-0.87	0.0	0.0	0.0
5397	172	5.00	-0.01	-1.91	0.0	0.0	0.0
5397	175	-5.16	0.01	-0.90	0.0	0.0	0.0
5397	204	5.77	-0.01	-1.98	0.0	0.0	0.0
5397	207	-5.92	0.01	-0.83	0.0	0.0	0.0
5588	1	2.69e-04	3.03	-73.61	0.0	0.0	0.0
5588	19	1.06e-04	4.58	-46.23	0.0	0.0	0.0
5588	28	6.74e-04	-2.17	-159.15	0.0	0.0	0.0
5588	65	2.00e-04	2.05	-53.95	0.0	0.0	0.0
5588	72	1.67e-04	3.19	-52.29	0.0	0.0	0.0
5588	80	4.70e-04	-1.42	-110.98	0.0	0.0	0.0
5588	97	2.51e-04	0.34	-56.44	0.0	0.0	0.0
5588	98	4.10e-04	0.58	-89.49	0.0	0.0	0.0
5588	102	2.34e-04	0.91	-55.61	0.0	0.0	0.0
5588	106	2.51e-04	0.34	-56.44	0.0	0.0	0.0
5588	107	3.87e-04	0.55	-84.77	0.0	0.0	0.0
5588	108	0.19	11.03	-66.89	0.0	0.0	0.0
5588	136	0.14	20.22	-46.76	0.0	0.0	0.0
5588	139	-0.14	-19.13	-122.77	0.0	0.0	0.0
5588	140	0.21	12.34	-64.65	0.0	0.0	0.0
5588	168	0.16	22.70	-42.00	0.0	0.0	0.0
5588	171	-0.16	-21.60	-127.54	0.0	0.0	0.0
5588	172	0.21	12.20	-65.06	0.0	0.0	0.0
5588	200	0.16	22.52	-42.42	0.0	0.0	0.0
5588	203	-0.16	-21.43	-127.11	0.0	0.0	0.0
5588	204	0.24	14.13	-61.87	0.0	0.0	0.0
5588	232	0.19	26.23	-35.36	0.0	0.0	0.0
5588	235	-0.18	-25.13	-134.17	0.0	0.0	0.0

Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-22.39	-36.57	-253.37	0.0	0.0	0.0
		26.47	35.95	172.56	0.0	0.0	0.0

Nodo	Cmb	Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
1	229	-1.60	-12.55	-101.09	0.0	0.0	0.0
	230	1.44	9.04	4.96	0.0	0.0	0.0
	1	-0.08	-0.59	-39.71	0.0	0.0	0.0
	1	-0.08	-0.59	-39.71	0.0	0.0	0.0
	1	-0.08	-0.59	-39.71	0.0	0.0	0.0
4	1	-0.08	-0.59	-39.71	0.0	0.0	0.0
	4	-0.19	-0.09	-56.74	0.0	0.0	0.0
	227	2.26	-0.08	-19.34	0.0	0.0	0.0
	1	-0.09	-0.05	-29.60	0.0	0.0	0.0
	1	-0.09	-0.05	-29.60	0.0	0.0	0.0
12	1	-0.09	-0.05	-29.60	0.0	0.0	0.0
	4	-0.16	-0.06	-39.18	0.0	0.0	0.0

	229	-1.88	-0.10	-7.43	0.0	0.0	0.0
	1	-0.08	-0.03	-22.00	0.0	0.0	0.0
	1	-0.08	-0.03	-22.00	0.0	0.0	0.0
	1	-0.08	-0.03	-22.00	0.0	0.0	0.0
	1	-0.08	-0.03	-22.00	0.0	0.0	0.0
17	4	-0.13	-0.03	-28.22	0.0	0.0	0.0
	229	-1.85	-0.11	-7.11	0.0	0.0	0.0
	1	-0.06	-0.02	-16.90	0.0	0.0	0.0
	1	-0.06	-0.02	-16.90	0.0	0.0	0.0
	1	-0.06	-0.02	-16.90	0.0	0.0	0.0
	1	-0.06	-0.02	-16.90	0.0	0.0	0.0
22	4	-0.10	-0.02	-21.18	0.0	0.0	0.0
	229	-1.83	-0.12	-6.14	0.0	0.0	0.0
	1	-0.05	-8.22e-03	-13.56	0.0	0.0	0.0
	1	-0.05	-8.22e-03	-13.56	0.0	0.0	0.0
	1	-0.05	-8.22e-03	-13.56	0.0	0.0	0.0
	1	-0.05	-8.22e-03	-13.56	0.0	0.0	0.0
27	4	-0.07	-3.77e-03	-16.81	0.0	0.0	0.0
	209	22.32	-0.07	-3.99	0.0	0.0	0.0
	1	-0.04	-1.89e-03	-11.49	0.0	0.0	0.0
	1	-0.04	-1.89e-03	-11.49	0.0	0.0	0.0
	1	-0.04	-1.89e-03	-11.49	0.0	0.0	0.0
	1	-0.04	-1.89e-03	-11.49	0.0	0.0	0.0
32	210	-22.32	0.08	-19.60	0.0	0.0	0.0
	209	22.27	-0.07	1.73	0.0	0.0	0.0
	1	-0.02	1.92e-03	-10.33	0.0	0.0	0.0
	1	-0.02	1.92e-03	-10.33	0.0	0.0	0.0
	1	-0.02	1.92e-03	-10.33	0.0	0.0	0.0
	1	-0.02	1.92e-03	-10.33	0.0	0.0	0.0
37	210	-22.26	0.09	-27.48	0.0	0.0	0.0
	209	22.23	-0.08	10.68	0.0	0.0	0.0
	1	-0.02	4.07e-03	-9.90	0.0	0.0	0.0
	1	-0.02	4.07e-03	-9.90	0.0	0.0	0.0
	1	-0.02	4.07e-03	-9.90	0.0	0.0	0.0
	1	-0.02	4.07e-03	-9.90	0.0	0.0	0.0
42	210	-21.64	0.09	-64.13	0.0	0.0	0.0
	209	21.63	-0.08	46.68	0.0	0.0	0.0
	1	-6.06e-03	5.43e-03	-10.42	0.0	0.0	0.0
	1	-6.06e-03	5.43e-03	-10.42	0.0	0.0	0.0
	1	-6.06e-03	5.43e-03	-10.42	0.0	0.0	0.0
	1	-6.06e-03	5.43e-03	-10.42	0.0	0.0	0.0
47	210	-10.65	-0.03	-97.67	0.0	0.0	0.0
	209	10.65	0.04	88.05	0.0	0.0	0.0
	1	1.59e-03	3.05e-03	-5.79	0.0	0.0	0.0
	1	1.59e-03	3.05e-03	-5.79	0.0	0.0	0.0
	1	1.59e-03	3.05e-03	-5.79	0.0	0.0	0.0
	1	1.59e-03	3.05e-03	-5.79	0.0	0.0	0.0
81	204	7.09	0.06	-77.99	0.0	0.0	0.0
	207	-6.86	-0.06	56.29	0.0	0.0	0.0
	1	0.05	2.88e-03	-11.48	0.0	0.0	0.0
	1	0.05	2.88e-03	-11.48	0.0	0.0	0.0
	1	0.05	2.88e-03	-11.48	0.0	0.0	0.0
	1	0.05	2.88e-03	-11.48	0.0	0.0	0.0
84	216	12.87	0.07	-53.39	0.0	0.0	0.0
	219	-12.34	-0.07	8.77	0.0	0.0	0.0
	1	0.13	-1.57e-03	-23.31	0.0	0.0	0.0
	1	0.13	-1.57e-03	-23.31	0.0	0.0	0.0
	1	0.13	-1.57e-03	-23.31	0.0	0.0	0.0
	1	0.13	-1.57e-03	-23.31	0.0	0.0	0.0
92	210	-16.62	0.06	-67.87	0.0	0.0	0.0
	209	19.42	-0.06	28.07	0.0	0.0	0.0
	1	1.15	-4.50e-03	-19.84	0.0	0.0	0.0
	1	1.15	-4.50e-03	-19.84	0.0	0.0	0.0
	1	1.15	-4.50e-03	-19.84	0.0	0.0	0.0
	1	1.15	-4.50e-03	-19.84	0.0	0.0	0.0
97	207	-7.48	-14.31	-197.88	0.0	0.0	0.0
	204	5.70	14.36	150.10	0.0	0.0	0.0
	1	-0.88	1.01	-18.75	0.0	0.0	0.0
	1	-0.88	1.01	-18.75	0.0	0.0	0.0
	1	-0.88	1.01	-18.75	0.0	0.0	0.0
	1	-0.88	1.01	-18.75	0.0	0.0	0.0
121	232	0.08	16.26	-208.25	0.0	0.0	0.0
	235	-0.08	-16.60	141.71	0.0	0.0	0.0
	1	6.29e-04	0.76	-42.25	0.0	0.0	0.0
	1	6.29e-04	0.76	-42.25	0.0	0.0	0.0

	1	6.29e-04	0.76	-42.25	0.0	0.0	0.0
	1	6.29e-04	0.76	-42.25	0.0	0.0	0.0
124	232	0.12	33.51	-199.58	0.0	0.0	0.0
	235	-0.12	-34.19	88.10	0.0	0.0	0.0
	1	5.34e-04	1.62	-62.31	0.0	0.0	0.0
	1	5.34e-04	1.62	-62.31	0.0	0.0	0.0
	1	5.34e-04	1.62	-62.31	0.0	0.0	0.0
	1	5.34e-04	1.62	-62.31	0.0	0.0	0.0
132	232	-9.95e-03	34.62	-101.44	0.0	0.0	0.0
	235	0.01	-35.22	14.75	0.0	0.0	0.0
	1	3.49e-05	1.69	-45.45	0.0	0.0	0.0
	1	3.49e-05	1.69	-45.45	0.0	0.0	0.0
	1	3.49e-05	1.69	-45.45	0.0	0.0	0.0
	1	3.49e-05	1.69	-45.45	0.0	0.0	0.0
137	4	-6.34e-04	1.54	-66.52	0.0	0.0	0.0
	235	0.01	-35.40	-8.61	0.0	0.0	0.0
	1	-4.17e-04	1.74	-37.04	0.0	0.0	0.0
	1	-4.17e-04	1.74	-37.04	0.0	0.0	0.0
	1	-4.17e-04	1.74	-37.04	0.0	0.0	0.0
	1	-4.17e-04	1.74	-37.04	0.0	0.0	0.0
142	4	-1.29e-03	1.61	-59.42	0.0	0.0	0.0
	45	-4.81e-04	-3.63	-20.39	0.0	0.0	0.0
	1	-8.14e-04	1.78	-32.42	0.0	0.0	0.0
	1	-8.14e-04	1.78	-32.42	0.0	0.0	0.0
	1	-8.14e-04	1.78	-32.42	0.0	0.0	0.0
	1	-8.14e-04	1.78	-32.42	0.0	0.0	0.0
147	4	-1.88e-03	1.66	-55.97	0.0	0.0	0.0
	45	-7.63e-04	-3.63	-20.17	0.0	0.0	0.0
	1	-1.13e-03	1.82	-30.11	0.0	0.0	0.0
	1	-1.13e-03	1.82	-30.11	0.0	0.0	0.0
	1	-1.13e-03	1.82	-30.11	0.0	0.0	0.0
	1	-1.13e-03	1.82	-30.11	0.0	0.0	0.0
152	28	-2.28e-03	-2.44	-55.44	0.0	0.0	0.0
	19	-8.90e-04	3.27	-20.15	0.0	0.0	0.0
	1	-1.29e-03	1.85	-29.43	0.0	0.0	0.0
	1	-1.29e-03	1.85	-29.43	0.0	0.0	0.0
	1	-1.29e-03	1.85	-29.43	0.0	0.0	0.0
	1	-1.29e-03	1.85	-29.43	0.0	0.0	0.0
157	28	-2.28e-03	-2.42	-57.46	0.0	0.0	0.0
	19	-7.64e-04	3.29	-20.10	0.0	0.0	0.0
	1	-1.16e-03	1.87	-29.97	0.0	0.0	0.0
	1	-1.16e-03	1.87	-29.97	0.0	0.0	0.0
	1	-1.16e-03	1.87	-29.97	0.0	0.0	0.0
	1	-1.16e-03	1.87	-29.97	0.0	0.0	0.0
162	28	-1.78e-03	-2.39	-61.59	0.0	0.0	0.0
	232	0.10	35.52	-11.34	0.0	0.0	0.0
	1	-6.98e-04	1.89	-31.62	0.0	0.0	0.0
	1	-6.98e-04	1.89	-31.62	0.0	0.0	0.0
	1	-6.98e-04	1.89	-31.62	0.0	0.0	0.0
	1	-6.98e-04	1.89	-31.62	0.0	0.0	0.0
167	235	-0.09	-35.85	-80.03	0.0	0.0	0.0
	232	0.09	35.54	5.45	0.0	0.0	0.0
	1	-7.91e-05	1.90	-34.18	0.0	0.0	0.0
	1	-7.91e-05	1.90	-34.18	0.0	0.0	0.0
	1	-7.91e-05	1.90	-34.18	0.0	0.0	0.0
	1	-7.91e-05	1.90	-34.18	0.0	0.0	0.0
172	235	-0.07	-29.17	-86.85	0.0	0.0	0.0
	232	0.07	28.92	19.08	0.0	0.0	0.0
	1	3.85e-04	1.55	-30.58	0.0	0.0	0.0
	1	3.85e-04	1.55	-30.58	0.0	0.0	0.0
	1	3.85e-04	1.55	-30.58	0.0	0.0	0.0
	1	3.85e-04	1.55	-30.58	0.0	0.0	0.0
177	235	-0.06	-25.05	-55.16	0.0	0.0	0.0
	232	0.07	24.75	12.93	0.0	0.0	0.0
	1	1.07e-03	1.28	-18.61	0.0	0.0	0.0
	1	1.07e-03	1.28	-18.61	0.0	0.0	0.0
	1	1.07e-03	1.28	-18.61	0.0	0.0	0.0
	1	1.07e-03	1.28	-18.61	0.0	0.0	0.0
182	235	-0.10	-36.30	-39.29	0.0	0.0	0.0
	232	0.11	35.95	2.43	0.0	0.0	0.0
	1	2.40e-03	1.89	-15.99	0.0	0.0	0.0
	1	2.40e-03	1.89	-15.99	0.0	0.0	0.0
	1	2.40e-03	1.89	-15.99	0.0	0.0	0.0
	1	2.40e-03	1.89	-15.99	0.0	0.0	0.0
187	28	5.19e-03	-2.33	-23.25	0.0	0.0	0.0

	19	2.82e-03	3.36	-7.26	0.0	0.0	0.0
	1	3.31e-03	1.94	-11.00	0.0	0.0	0.0
	1	3.31e-03	1.94	-11.00	0.0	0.0	0.0
	1	3.31e-03	1.94	-11.00	0.0	0.0	0.0
	1	3.31e-03	1.94	-11.00	0.0	0.0	0.0
192	4	9.84e-03	1.94	-24.25	0.0	0.0	0.0
	209	0.19	14.65	-4.29	0.0	0.0	0.0
	1	3.32e-03	1.98	-11.80	0.0	0.0	0.0
	1	3.32e-03	1.98	-11.80	0.0	0.0	0.0
	1	3.32e-03	1.98	-11.80	0.0	0.0	0.0
	1	3.32e-03	1.98	-11.80	0.0	0.0	0.0
197	211	0.28	-31.06	-73.85	0.0	0.0	0.0
	208	-0.25	31.04	30.81	0.0	0.0	0.0
	1	2.16e-03	2.03	-19.15	0.0	0.0	0.0
	1	2.16e-03	2.03	-19.15	0.0	0.0	0.0
	1	2.16e-03	2.03	-19.15	0.0	0.0	0.0
	1	2.16e-03	2.03	-19.15	0.0	0.0	0.0
257	218	-13.81	-0.02	-206.44	0.0	0.0	0.0
	217	13.74	0.05	158.13	0.0	0.0	0.0
	1	-0.05	0.28	-25.75	0.0	0.0	0.0
	1	-0.05	0.28	-25.75	0.0	0.0	0.0
	1	-0.05	0.28	-25.75	0.0	0.0	0.0
	1	-0.05	0.28	-25.75	0.0	0.0	0.0
260	232	19.42	13.98	-253.14	0.0	0.0	0.0
	235	-19.32	-8.27	88.02	0.0	0.0	0.0
	1	0.03	4.70	-90.65	0.0	0.0	0.0
	1	0.03	4.70	-90.65	0.0	0.0	0.0
	1	0.03	4.70	-90.65	0.0	0.0	0.0
	1	0.03	4.70	-90.65	0.0	0.0	0.0
268	212	14.07	-0.08	-221.83	0.0	0.0	0.0
	215	-13.90	0.11	172.37	0.0	0.0	0.0
	1	0.08	0.28	-26.03	0.0	0.0	0.0
	1	0.08	0.28	-26.03	0.0	0.0	0.0
	1	0.08	0.28	-26.03	0.0	0.0	0.0
	1	0.08	0.28	-26.03	0.0	0.0	0.0
281	218	-13.97	-0.04	-221.16	0.0	0.0	0.0
	217	13.92	0.02	172.56	0.0	0.0	0.0
	1	-0.04	0.27	-25.76	0.0	0.0	0.0
	1	-0.04	0.27	-25.76	0.0	0.0	0.0
	1	-0.04	0.27	-25.76	0.0	0.0	0.0
	1	-0.04	0.27	-25.76	0.0	0.0	0.0
284	226	-19.04	14.67	-253.37	0.0	0.0	0.0
	225	19.17	-9.40	87.83	0.0	0.0	0.0
	1	0.05	4.56	-90.68	0.0	0.0	0.0
	1	0.05	4.56	-90.68	0.0	0.0	0.0
	1	0.05	4.56	-90.68	0.0	0.0	0.0
	1	0.05	4.56	-90.68	0.0	0.0	0.0
292	212	13.91	-0.04	-207.46	0.0	0.0	0.0
	215	-13.72	0.03	157.40	0.0	0.0	0.0
	1	0.09	0.27	-26.27	0.0	0.0	0.0
	1	0.09	0.27	-26.27	0.0	0.0	0.0
	1	0.09	0.27	-26.27	0.0	0.0	0.0
	1	0.09	0.27	-26.27	0.0	0.0	0.0
308	226	-0.07	16.24	-207.83	0.0	0.0	0.0
	225	0.07	-16.72	144.03	0.0	0.0	0.0
	1	-3.46e-05	0.72	-40.74	0.0	0.0	0.0
	1	-3.46e-05	0.72	-40.74	0.0	0.0	0.0
	1	-3.46e-05	0.72	-40.74	0.0	0.0	0.0
	1	-3.46e-05	0.72	-40.74	0.0	0.0	0.0
322	232	-0.61	20.48	-114.23	0.0	0.0	0.0
	235	0.61	-25.67	4.24	0.0	0.0	0.0
	1	-8.96e-04	-0.60	-55.01	0.0	0.0	0.0
	1	-8.96e-04	-0.60	-55.01	0.0	0.0	0.0
	1	-8.96e-04	-0.60	-55.01	0.0	0.0	0.0
	1	-8.96e-04	-0.60	-55.01	0.0	0.0	0.0
327	4	-1.40e-03	2.90	-117.45	0.0	0.0	0.0
	235	0.20	-22.97	-33.33	0.0	0.0	0.0
	1	-5.22e-04	2.54	-61.86	0.0	0.0	0.0
	1	-5.22e-04	2.54	-61.86	0.0	0.0	0.0
	1	-5.22e-04	2.54	-61.86	0.0	0.0	0.0
	1	-5.22e-04	2.54	-61.86	0.0	0.0	0.0
332	4	-6.05e-04	3.03	-107.11	0.0	0.0	0.0
	45	-1.36e-04	-4.65	-34.90	0.0	0.0	0.0
	1	-2.84e-04	2.62	-54.97	0.0	0.0	0.0
	1	-2.84e-04	2.62	-54.97	0.0	0.0	0.0

	1	-2.84e-04	2.62	-54.97	0.0	0.0	0.0
	1	-2.84e-04	2.62	-54.97	0.0	0.0	0.0
337	4	-1.89e-04	3.09	-107.76	0.0	0.0	0.0
	45	-3.86e-05	-4.61	-36.18	0.0	0.0	0.0
	1	-1.30e-04	2.65	-54.28	0.0	0.0	0.0
	1	-1.30e-04	2.65	-54.28	0.0	0.0	0.0
	1	-1.30e-04	2.65	-54.28	0.0	0.0	0.0
	1	-1.30e-04	2.65	-54.28	0.0	0.0	0.0
342	28	2.43e-04	-2.18	-123.54	0.0	0.0	0.0
	19	-3.25e-05	4.34	-40.50	0.0	0.0	0.0
	1	3.89e-05	2.84	-60.66	0.0	0.0	0.0
	1	3.89e-05	2.84	-60.66	0.0	0.0	0.0
	1	3.89e-05	2.84	-60.66	0.0	0.0	0.0
	1	3.89e-05	2.84	-60.66	0.0	0.0	0.0
361	4	-7.50e-04	-0.03	-106.63	0.0	0.0	0.0
	227	2.41e-03	-10.96	-10.60	0.0	0.0	0.0
	1	-4.63e-04	0.38	-57.66	0.0	0.0	0.0
	1	-4.63e-04	0.38	-57.66	0.0	0.0	0.0
	1	-4.63e-04	0.38	-57.66	0.0	0.0	0.0
	1	-4.63e-04	0.38	-57.66	0.0	0.0	0.0
364	28	1.07e-04	-4.06	-185.68	0.0	0.0	0.0
	19	-3.71e-05	2.49	-65.40	0.0	0.0	0.0
	1	0.0	0.84	-96.16	0.0	0.0	0.0
	1	0.0	0.84	-96.16	0.0	0.0	0.0
	1	0.0	0.84	-96.16	0.0	0.0	0.0
	1	0.0	0.84	-96.16	0.0	0.0	0.0
372	28	1.13e-03	-4.22	-108.09	0.0	0.0	0.0
	230	5.42e-03	22.11	-30.54	0.0	0.0	0.0
	1	5.54e-04	0.97	-53.11	0.0	0.0	0.0
	1	5.54e-04	0.97	-53.11	0.0	0.0	0.0
	1	5.54e-04	0.97	-53.11	0.0	0.0	0.0
	1	5.54e-04	0.97	-53.11	0.0	0.0	0.0
377	28	1.98e-03	-3.83	-54.44	0.0	0.0	0.0
	19	7.23e-04	2.67	-16.72	0.0	0.0	0.0
	1	1.01e-03	1.04	-25.43	0.0	0.0	0.0
	1	1.01e-03	1.04	-25.43	0.0	0.0	0.0
	1	1.01e-03	1.04	-25.43	0.0	0.0	0.0
	1	1.01e-03	1.04	-25.43	0.0	0.0	0.0
382	28	1.69e-03	-3.67	-38.06	0.0	0.0	0.0
	19	6.84e-04	2.74	-11.30	0.0	0.0	0.0
	1	9.04e-04	1.14	-17.06	0.0	0.0	0.0
	1	9.04e-04	1.14	-17.06	0.0	0.0	0.0
	1	9.04e-04	1.14	-17.06	0.0	0.0	0.0
	1	9.04e-04	1.14	-17.06	0.0	0.0	0.0
387	28	-2.51e-03	-3.53	-40.42	0.0	0.0	0.0
	19	-6.98e-04	2.80	-12.11	0.0	0.0	0.0
	1	-1.12e-03	1.22	-18.21	0.0	0.0	0.0
	1	-1.12e-03	1.22	-18.21	0.0	0.0	0.0
	1	-1.12e-03	1.22	-18.21	0.0	0.0	0.0
	1	-1.12e-03	1.22	-18.21	0.0	0.0	0.0
392	28	-0.01	-0.62	-41.51	0.0	0.0	0.0
	19	-4.06e-03	3.52	-12.69	0.0	0.0	0.0
	1	-5.93e-03	2.45	-19.18	0.0	0.0	0.0
	1	-5.93e-03	2.45	-19.18	0.0	0.0	0.0
	1	-5.93e-03	2.45	-19.18	0.0	0.0	0.0
	1	-5.93e-03	2.45	-19.18	0.0	0.0	0.0
418	226	0.60	21.40	-113.49	0.0	0.0	0.0
	225	-0.60	-27.58	1.29	0.0	0.0	0.0
	1	-1.37e-03	-0.93	-55.76	0.0	0.0	0.0
	1	-1.37e-03	-0.93	-55.76	0.0	0.0	0.0
	1	-1.37e-03	-0.93	-55.76	0.0	0.0	0.0
	1	-1.37e-03	-0.93	-55.76	0.0	0.0	0.0
423	4	-1.42e-03	2.21	-121.33	0.0	0.0	0.0
	45	-2.95e-04	-5.16	-38.28	0.0	0.0	0.0
	1	-5.37e-04	2.24	-63.36	0.0	0.0	0.0
	1	-5.37e-04	2.24	-63.36	0.0	0.0	0.0
	1	-5.37e-04	2.24	-63.36	0.0	0.0	0.0
	1	-5.37e-04	2.24	-63.36	0.0	0.0	0.0
428	4	-2.98e-04	2.38	-113.32	0.0	0.0	0.0
	45	-9.89e-05	-5.18	-37.48	0.0	0.0	0.0
	1	-7.11e-05	2.34	-57.50	0.0	0.0	0.0
	1	-7.11e-05	2.34	-57.50	0.0	0.0	0.0
	1	-7.11e-05	2.34	-57.50	0.0	0.0	0.0
	1	-7.11e-05	2.34	-57.50	0.0	0.0	0.0
433	28	5.79e-05	-3.02	-120.13	0.0	0.0	0.0

	19	1.09e-04	4.06	-39.60	0.0	0.0	0.0
	1	1.00e-04	2.41	-59.10	0.0	0.0	0.0
	1	1.00e-04	2.41	-59.10	0.0	0.0	0.0
	1	1.00e-04	2.41	-59.10	0.0	0.0	0.0
	1	1.00e-04	2.41	-59.10	0.0	0.0	0.0
438	28	3.18e-04	-2.92	-160.35	0.0	0.0	0.0
	19	9.41e-05	4.43	-47.82	0.0	0.0	0.0
	1	1.62e-04	2.72	-74.83	0.0	0.0	0.0
	1	1.62e-04	2.72	-74.83	0.0	0.0	0.0
	1	1.62e-04	2.72	-74.83	0.0	0.0	0.0
	1	1.62e-04	2.72	-74.83	0.0	0.0	0.0
457	4	1.62e-04	-0.14	-105.48	0.0	0.0	0.0
	223	-7.63e-04	-9.97	-9.53	0.0	0.0	0.0
	1	3.33e-05	0.36	-53.99	0.0	0.0	0.0
	1	3.33e-05	0.36	-53.99	0.0	0.0	0.0
	1	3.33e-05	0.36	-53.99	0.0	0.0	0.0
	1	3.33e-05	0.36	-53.99	0.0	0.0	0.0
460	28	1.09e-03	-4.32	-174.70	0.0	0.0	0.0
	230	-0.09	23.07	-54.78	0.0	0.0	0.0
	1	4.97e-04	0.82	-85.06	0.0	0.0	0.0
	1	4.97e-04	0.82	-85.06	0.0	0.0	0.0
	1	4.97e-04	0.82	-85.06	0.0	0.0	0.0
	1	4.97e-04	0.82	-85.06	0.0	0.0	0.0
468	28	2.09e-03	-4.43	-97.38	0.0	0.0	0.0
	230	-0.10	24.99	-24.27	0.0	0.0	0.0
	1	9.39e-04	0.97	-45.04	0.0	0.0	0.0
	1	9.39e-04	0.97	-45.04	0.0	0.0	0.0
	1	9.39e-04	0.97	-45.04	0.0	0.0	0.0
	1	9.39e-04	0.97	-45.04	0.0	0.0	0.0
473	28	2.72e-03	-4.02	-49.76	0.0	0.0	0.0
	19	7.60e-04	2.71	-14.51	0.0	0.0	0.0
	1	1.20e-03	1.04	-22.26	0.0	0.0	0.0
	1	1.20e-03	1.04	-22.26	0.0	0.0	0.0
	1	1.20e-03	1.04	-22.26	0.0	0.0	0.0
	1	1.20e-03	1.04	-22.26	0.0	0.0	0.0
478	28	1.54e-03	-3.87	-36.49	0.0	0.0	0.0
	19	3.81e-04	2.78	-10.64	0.0	0.0	0.0
	1	6.38e-04	1.13	-16.08	0.0	0.0	0.0
	1	6.38e-04	1.13	-16.08	0.0	0.0	0.0
	1	6.38e-04	1.13	-16.08	0.0	0.0	0.0
	1	6.38e-04	1.13	-16.08	0.0	0.0	0.0
483	28	-6.05e-03	-3.71	-41.31	0.0	0.0	0.0
	19	-1.80e-03	2.84	-12.43	0.0	0.0	0.0
	1	-2.74e-03	1.22	-18.63	0.0	0.0	0.0
	1	-2.74e-03	1.22	-18.63	0.0	0.0	0.0
	1	-2.74e-03	1.22	-18.63	0.0	0.0	0.0
	1	-2.74e-03	1.22	-18.63	0.0	0.0	0.0
488	28	-0.02	-0.49	-44.32	0.0	0.0	0.0
	210	-0.09	14.45	-8.63	0.0	0.0	0.0
	1	-9.96e-03	2.59	-20.57	0.0	0.0	0.0
	1	-9.96e-03	2.59	-20.57	0.0	0.0	0.0
	1	-9.96e-03	2.59	-20.57	0.0	0.0	0.0
	1	-9.96e-03	2.59	-20.57	0.0	0.0	0.0
493	209	16.41	-8.64	-132.77	0.0	0.0	0.0
	210	-16.77	4.80	29.29	0.0	0.0	0.0
	1	-0.16	-0.71	-42.88	0.0	0.0	0.0
	1	-0.16	-0.71	-42.88	0.0	0.0	0.0
	1	-0.16	-0.71	-42.88	0.0	0.0	0.0
	1	-0.16	-0.71	-42.88	0.0	0.0	0.0
522	226	-0.11	33.47	-199.05	0.0	0.0	0.0
	225	0.11	-34.44	90.66	0.0	0.0	0.0
	1	-3.77e-04	1.53	-60.37	0.0	0.0	0.0
	1	-3.77e-04	1.53	-60.37	0.0	0.0	0.0
	1	-3.77e-04	1.53	-60.37	0.0	0.0	0.0
	1	-3.77e-04	1.53	-60.37	0.0	0.0	0.0
527	226	1.30e-03	34.57	-101.04	0.0	0.0	0.0
	225	-1.62e-03	-35.48	16.12	0.0	0.0	0.0
	1	-1.57e-04	1.60	-44.30	0.0	0.0	0.0
	1	-1.57e-04	1.60	-44.30	0.0	0.0	0.0
	1	-1.57e-04	1.60	-44.30	0.0	0.0	0.0
	1	-1.57e-04	1.60	-44.30	0.0	0.0	0.0
532	4	3.59e-05	1.31	-65.81	0.0	0.0	0.0
	225	-2.27e-03	-35.66	-7.72	0.0	0.0	0.0
	1	5.29e-05	1.65	-36.27	0.0	0.0	0.0
	1	5.29e-05	1.65	-36.27	0.0	0.0	0.0

	1	5.29e-05	1.65	-36.27	0.0	0.0	0.0
	1	5.29e-05	1.65	-36.27	0.0	0.0	0.0
537	4	2.70e-04	1.37	-58.75	0.0	0.0	0.0
	45	2.93e-05	-3.70	-19.89	0.0	0.0	0.0
	1	2.17e-04	1.69	-31.80	0.0	0.0	0.0
	1	2.17e-04	1.69	-31.80	0.0	0.0	0.0
	1	2.17e-04	1.69	-31.80	0.0	0.0	0.0
	1	2.17e-04	1.69	-31.80	0.0	0.0	0.0
542	4	4.67e-04	1.42	-55.15	0.0	0.0	0.0
	45	1.70e-04	-3.70	-19.68	0.0	0.0	0.0
	1	3.43e-04	1.72	-29.48	0.0	0.0	0.0
	1	3.43e-04	1.72	-29.48	0.0	0.0	0.0
	1	3.43e-04	1.72	-29.48	0.0	0.0	0.0
	1	3.43e-04	1.72	-29.48	0.0	0.0	0.0
547	28	6.27e-04	-2.72	-54.26	0.0	0.0	0.0
	19	3.15e-04	3.26	-19.55	0.0	0.0	0.0
	1	4.30e-04	1.75	-28.60	0.0	0.0	0.0
	1	4.30e-04	1.75	-28.60	0.0	0.0	0.0
	1	4.30e-04	1.75	-28.60	0.0	0.0	0.0
	1	4.30e-04	1.75	-28.60	0.0	0.0	0.0
552	28	7.69e-04	-2.69	-55.66	0.0	0.0	0.0
	19	3.07e-04	3.28	-19.21	0.0	0.0	0.0
	1	4.49e-04	1.77	-28.76	0.0	0.0	0.0
	1	4.49e-04	1.77	-28.76	0.0	0.0	0.0
	1	4.49e-04	1.77	-28.76	0.0	0.0	0.0
	1	4.49e-04	1.77	-28.76	0.0	0.0	0.0
557	28	7.71e-04	-2.67	-58.80	0.0	0.0	0.0
	226	-0.09	35.47	-9.69	0.0	0.0	0.0
	1	3.76e-04	1.79	-29.75	0.0	0.0	0.0
	1	3.76e-04	1.79	-29.75	0.0	0.0	0.0
	1	3.76e-04	1.79	-29.75	0.0	0.0	0.0
	1	3.76e-04	1.79	-29.75	0.0	0.0	0.0
562	225	-5.55e-03	-36.14	-77.24	0.0	0.0	0.0
	226	6.21e-03	35.50	7.85	0.0	0.0	0.0
	1	2.37e-04	1.81	-31.36	0.0	0.0	0.0
	1	2.37e-04	1.81	-31.36	0.0	0.0	0.0
	1	2.37e-04	1.81	-31.36	0.0	0.0	0.0
	1	2.37e-04	1.81	-31.36	0.0	0.0	0.0
567	225	0.07	-29.40	-83.45	0.0	0.0	0.0
	226	-0.07	28.89	21.58	0.0	0.0	0.0
	1	7.07e-05	1.47	-27.39	0.0	0.0	0.0
	1	7.07e-05	1.47	-27.39	0.0	0.0	0.0
	1	7.07e-05	1.47	-27.39	0.0	0.0	0.0
	1	7.07e-05	1.47	-27.39	0.0	0.0	0.0
572	225	0.06	-25.23	-52.82	0.0	0.0	0.0
	226	-0.06	24.73	14.25	0.0	0.0	0.0
	1	-1.79e-04	1.22	-16.65	0.0	0.0	0.0
	1	-1.79e-04	1.22	-16.65	0.0	0.0	0.0
	1	-1.79e-04	1.22	-16.65	0.0	0.0	0.0
	1	-1.79e-04	1.22	-16.65	0.0	0.0	0.0
577	225	0.09	-36.57	-37.89	0.0	0.0	0.0
	226	-0.09	35.92	3.15	0.0	0.0	0.0
	1	-4.94e-04	1.81	-14.84	0.0	0.0	0.0
	1	-4.94e-04	1.81	-14.84	0.0	0.0	0.0
	1	-4.94e-04	1.81	-14.84	0.0	0.0	0.0
	1	-4.94e-04	1.81	-14.84	0.0	0.0	0.0
582	28	-3.82e-04	-2.60	-23.39	0.0	0.0	0.0
	19	-7.35e-04	3.37	-7.18	0.0	0.0	0.0
	1	-6.47e-04	1.86	-10.96	0.0	0.0	0.0
	1	-6.47e-04	1.86	-10.96	0.0	0.0	0.0
	1	-6.47e-04	1.86	-10.96	0.0	0.0	0.0
	1	-6.47e-04	1.86	-10.96	0.0	0.0	0.0
587	28	-2.92e-03	-2.49	-27.85	0.0	0.0	0.0
	207	-0.13	14.34	-5.18	0.0	0.0	0.0
	1	-1.06e-03	1.92	-13.39	0.0	0.0	0.0
	1	-1.06e-03	1.92	-13.39	0.0	0.0	0.0
	1	-1.06e-03	1.92	-13.39	0.0	0.0	0.0
	1	-1.06e-03	1.92	-13.39	0.0	0.0	0.0
592	205	0.06	-29.86	-74.38	0.0	0.0	0.0
	206	-0.07	32.13	38.66	0.0	0.0	0.0
	1	-3.55e-03	3.01	-15.89	0.0	0.0	0.0
	1	-3.55e-03	3.01	-15.89	0.0	0.0	0.0
	1	-3.55e-03	3.01	-15.89	0.0	0.0	0.0
	1	-3.55e-03	3.01	-15.89	0.0	0.0	0.0
597	209	9.56	-15.60	-222.93	0.0	0.0	0.0

	210	-9.77	13.04	170.05	0.0	0.0	0.0
	1	-0.06	-0.13	-20.80	0.0	0.0	0.0
	1	-0.06	-0.13	-20.80	0.0	0.0	0.0
	1	-0.06	-0.13	-20.80	0.0	0.0	0.0
	1	-0.06	-0.13	-20.80	0.0	0.0	0.0
651	227	3.97	-0.05	-68.93	0.0	0.0	0.0
	224	0.60	0.07	39.41	0.0	0.0	0.0
	1	1.75	0.34	-12.26	0.0	0.0	0.0
	1	1.75	0.34	-12.26	0.0	0.0	0.0
	1	1.75	0.34	-12.26	0.0	0.0	0.0
	1	1.75	0.34	-12.26	0.0	0.0	0.0
657	209	10.94	-0.10	-18.79	0.0	0.0	0.0
	210	-9.51	0.10	4.40	0.0	0.0	0.0
	1	0.54	0.62	-6.62	0.0	0.0	0.0
	1	0.54	0.62	-6.62	0.0	0.0	0.0
	1	0.54	0.62	-6.62	0.0	0.0	0.0
	1	0.54	0.62	-6.62	0.0	0.0	0.0
661	209	11.79	0.02	-35.64	0.0	0.0	0.0
	210	-10.92	-0.03	30.44	0.0	0.0	0.0
	1	0.32	0.54	-2.87	0.0	0.0	0.0
	1	0.32	0.54	-2.87	0.0	0.0	0.0
	1	0.32	0.54	-2.87	0.0	0.0	0.0
	1	0.32	0.54	-2.87	0.0	0.0	0.0
665	227	-0.58	-12.78	-224.18	0.0	0.0	0.0
	224	-1.66	13.16	147.99	0.0	0.0	0.0
	1	-0.89	1.06	-27.59	0.0	0.0	0.0
	1	-0.89	1.06	-27.59	0.0	0.0	0.0
	1	-0.89	1.06	-27.59	0.0	0.0	0.0
	1	-0.89	1.06	-27.59	0.0	0.0	0.0
682	210	-8.26	-0.02	-23.39	0.0	0.0	0.0
	209	8.71	0.02	21.43	0.0	0.0	0.0
	1	0.19	0.35	-1.31	0.0	0.0	0.0
	1	0.19	0.35	-1.31	0.0	0.0	0.0
	1	0.19	0.35	-1.31	0.0	0.0	0.0
	1	0.19	0.35	-1.31	0.0	0.0	0.0
685	204	7.12	3.50e-03	-22.58	0.0	0.0	0.0
	207	-7.01	-3.72e-03	20.36	0.0	0.0	0.0
	1	0.04	0.33	-1.44	0.0	0.0	0.0
	1	0.04	0.33	-1.44	0.0	0.0	0.0
	1	0.04	0.33	-1.44	0.0	0.0	0.0
	1	0.04	0.33	-1.44	0.0	0.0	0.0
714	204	19.85	0.08	-95.00	0.0	0.0	0.0
	207	-20.16	-0.08	43.16	0.0	0.0	0.0
	1	-0.10	-6.97e-03	-25.39	0.0	0.0	0.0
	1	-0.10	-6.97e-03	-25.39	0.0	0.0	0.0
	1	-0.10	-6.97e-03	-25.39	0.0	0.0	0.0
	1	-0.10	-6.97e-03	-25.39	0.0	0.0	0.0
719	220	-1.59	0.08	-52.66	0.0	0.0	0.0
	223	1.36	-0.08	17.13	0.0	0.0	0.0
	1	-0.08	-4.96e-03	-18.95	0.0	0.0	0.0
	1	-0.08	-4.96e-03	-18.95	0.0	0.0	0.0
	1	-0.08	-4.96e-03	-18.95	0.0	0.0	0.0
	1	-0.08	-4.96e-03	-18.95	0.0	0.0	0.0
724	220	-1.58	0.08	-32.79	0.0	0.0	0.0
	223	1.40	-0.08	6.08	0.0	0.0	0.0
	1	-0.06	-2.39e-03	-14.79	0.0	0.0	0.0
	1	-0.06	-2.39e-03	-14.79	0.0	0.0	0.0
	1	-0.06	-2.39e-03	-14.79	0.0	0.0	0.0
	1	-0.06	-2.39e-03	-14.79	0.0	0.0	0.0
729	220	-1.56	0.09	-21.49	0.0	0.0	0.0
	223	1.42	-0.09	0.11	0.0	0.0	0.0
	1	-0.05	-4.50e-04	-12.15	0.0	0.0	0.0
	1	-0.05	-4.50e-04	-12.15	0.0	0.0	0.0
	1	-0.05	-4.50e-04	-12.15	0.0	0.0	0.0
	1	-0.05	-4.50e-04	-12.15	0.0	0.0	0.0
734	4	-0.09	1.10e-03	-14.91	0.0	0.0	0.0
	223	1.44	-0.09	-3.33	0.0	0.0	0.0
	1	-0.03	6.26e-04	-10.54	0.0	0.0	0.0
	1	-0.03	6.26e-04	-10.54	0.0	0.0	0.0
	1	-0.03	6.26e-04	-10.54	0.0	0.0	0.0
	1	-0.03	6.26e-04	-10.54	0.0	0.0	0.0
739	4	-0.06	1.45e-03	-13.21	0.0	0.0	0.0
	225	14.78	-0.13	-5.19	0.0	0.0	0.0
	1	-0.02	9.61e-04	-9.68	0.0	0.0	0.0
	1	-0.02	9.61e-04	-9.68	0.0	0.0	0.0

	1	-0.02	9.61e-04	-9.68	0.0	0.0	0.0
	1	-0.02	9.61e-04	-9.68	0.0	0.0	0.0
744	4	-0.04	8.82e-04	-12.69	0.0	0.0	0.0
	209	20.67	-0.08	-4.00	0.0	0.0	0.0
	1	-9.41e-03	7.26e-04	-9.41	0.0	0.0	0.0
	1	-9.41e-03	7.26e-04	-9.41	0.0	0.0	0.0
	1	-9.41e-03	7.26e-04	-9.41	0.0	0.0	0.0
	1	-9.41e-03	7.26e-04	-9.41	0.0	0.0	0.0
749	210	-20.63	0.08	-16.89	0.0	0.0	0.0
	209	20.62	-0.08	0.20	0.0	0.0	0.0
	1	1.24e-03	1.07e-04	-9.71	0.0	0.0	0.0
	1	1.24e-03	1.07e-04	-9.71	0.0	0.0	0.0
	1	1.24e-03	1.07e-04	-9.71	0.0	0.0	0.0
	1	1.24e-03	1.07e-04	-9.71	0.0	0.0	0.0
754	210	-20.58	0.08	-25.54	0.0	0.0	0.0
	209	20.59	-0.08	6.82	0.0	0.0	0.0
	1	0.01	-6.24e-04	-10.68	0.0	0.0	0.0
	1	0.01	-6.24e-04	-10.68	0.0	0.0	0.0
	1	0.01	-6.24e-04	-10.68	0.0	0.0	0.0
	1	0.01	-6.24e-04	-10.68	0.0	0.0	0.0
759	210	-19.98	0.08	-61.60	0.0	0.0	0.0
	209	20.01	-0.08	38.22	0.0	0.0	0.0
	1	0.02	-1.15e-03	-12.94	0.0	0.0	0.0
	1	0.02	-1.15e-03	-12.94	0.0	0.0	0.0
	1	0.02	-1.15e-03	-12.94	0.0	0.0	0.0
	1	0.02	-1.15e-03	-12.94	0.0	0.0	0.0
764	210	-9.83	-5.87e-04	-93.24	0.0	0.0	0.0
	209	9.86	-1.20e-03	78.86	0.0	0.0	0.0
	1	0.02	-4.89e-04	-7.81	0.0	0.0	0.0
	1	0.02	-4.89e-04	-7.81	0.0	0.0	0.0
	1	0.02	-4.89e-04	-7.81	0.0	0.0	0.0
	1	0.02	-4.89e-04	-7.81	0.0	0.0	0.0
801	209	6.01	-0.03	-84.09	0.0	0.0	0.0
	210	-6.10	-0.02	49.11	0.0	0.0	0.0
	1	-0.05	-0.03	-15.53	0.0	0.0	0.0
	1	-0.05	-0.03	-15.53	0.0	0.0	0.0
	1	-0.05	-0.03	-15.53	0.0	0.0	0.0
	1	-0.05	-0.03	-15.53	0.0	0.0	0.0
818	4	-0.37	-0.08	-62.05	0.0	0.0	0.0
	223	1.42	-0.08	-13.47	0.0	0.0	0.0
	1	-0.17	-0.04	-32.08	0.0	0.0	0.0
	1	-0.17	-0.04	-32.08	0.0	0.0	0.0
	1	-0.17	-0.04	-32.08	0.0	0.0	0.0
	1	-0.17	-0.04	-32.08	0.0	0.0	0.0
823	4	-0.31	-0.05	-42.14	0.0	0.0	0.0
	223	1.35	-0.10	-7.06	0.0	0.0	0.0
	1	-0.14	-0.02	-23.35	0.0	0.0	0.0
	1	-0.14	-0.02	-23.35	0.0	0.0	0.0
	1	-0.14	-0.02	-23.35	0.0	0.0	0.0
	1	-0.14	-0.02	-23.35	0.0	0.0	0.0
828	4	-0.26	-0.03	-30.17	0.0	0.0	0.0
	227	2.09	-0.10	-8.23	0.0	0.0	0.0
	1	-0.12	-0.01	-17.77	0.0	0.0	0.0
	1	-0.12	-0.01	-17.77	0.0	0.0	0.0
	1	-0.12	-0.01	-17.77	0.0	0.0	0.0
	1	-0.12	-0.01	-17.77	0.0	0.0	0.0
833	4	-0.21	-8.26e-03	-22.59	0.0	0.0	0.0
	225	15.54	-0.11	-8.15	0.0	0.0	0.0
	1	-0.10	-3.87e-03	-14.16	0.0	0.0	0.0
	1	-0.10	-3.87e-03	-14.16	0.0	0.0	0.0
	1	-0.10	-3.87e-03	-14.16	0.0	0.0	0.0
	1	-0.10	-3.87e-03	-14.16	0.0	0.0	0.0
838	4	-0.18	1.84e-03	-17.93	0.0	0.0	0.0
	229	-1.86	-0.10	-6.95	0.0	0.0	0.0
	1	-0.08	9.86e-04	-11.93	0.0	0.0	0.0
	1	-0.08	9.86e-04	-11.93	0.0	0.0	0.0
	1	-0.08	9.86e-04	-11.93	0.0	0.0	0.0
	1	-0.08	9.86e-04	-11.93	0.0	0.0	0.0
843	4	-0.14	6.39e-03	-15.31	0.0	0.0	0.0
	209	21.83	-0.05	-4.60	0.0	0.0	0.0
	1	-0.07	3.14e-03	-10.68	0.0	0.0	0.0
	1	-0.07	3.14e-03	-10.68	0.0	0.0	0.0
	1	-0.07	3.14e-03	-10.68	0.0	0.0	0.0
	1	-0.07	3.14e-03	-10.68	0.0	0.0	0.0
848	210	-21.90	0.06	-17.69	0.0	0.0	0.0

	209	21.78	-0.05	-0.12	0.0	0.0	0.0
	1	-0.05	3.43e-03	-10.20	0.0	0.0	0.0
	1	-0.05	3.43e-03	-10.20	0.0	0.0	0.0
	1	-0.05	3.43e-03	-10.20	0.0	0.0	0.0
	1	-0.05	3.43e-03	-10.20	0.0	0.0	0.0
853	210	-21.84	0.06	-25.10	0.0	0.0	0.0
	209	21.75	-0.05	6.84	0.0	0.0	0.0
	1	-0.04	2.80e-03	-10.45	0.0	0.0	0.0
	1	-0.04	2.80e-03	-10.45	0.0	0.0	0.0
	1	-0.04	2.80e-03	-10.45	0.0	0.0	0.0
	1	-0.04	2.80e-03	-10.45	0.0	0.0	0.0
858	210	-21.24	0.05	-60.13	0.0	0.0	0.0
	209	21.17	-0.05	39.15	0.0	0.0	0.0
	1	-0.03	2.01e-03	-11.85	0.0	0.0	0.0
	1	-0.03	2.01e-03	-11.85	0.0	0.0	0.0
	1	-0.03	2.01e-03	-11.85	0.0	0.0	0.0
	1	-0.03	2.01e-03	-11.85	0.0	0.0	0.0
863	211	-13.06	-0.05	-94.07	0.0	0.0	0.0
	208	13.03	0.05	81.66	0.0	0.0	0.0
	1	-8.59e-03	5.59e-04	-6.94	0.0	0.0	0.0
	1	-8.59e-03	5.59e-04	-6.94	0.0	0.0	0.0
	1	-8.59e-03	5.59e-04	-6.94	0.0	0.0	0.0
	1	-8.59e-03	5.59e-04	-6.94	0.0	0.0	0.0
897	204	7.64	-0.08	-95.10	0.0	0.0	0.0
	207	-7.68	0.01	64.35	0.0	0.0	0.0
	1	-0.03	-0.03	-14.93	0.0	0.0	0.0
	1	-0.03	-0.03	-14.93	0.0	0.0	0.0
	1	-0.03	-0.03	-14.93	0.0	0.0	0.0
	1	-0.03	-0.03	-14.93	0.0	0.0	0.0
900	204	15.60	-0.10	-81.77	0.0	0.0	0.0
	207	-15.66	-0.01	18.25	0.0	0.0	0.0
	1	-0.05	-0.06	-29.69	0.0	0.0	0.0
	1	-0.05	-0.06	-29.69	0.0	0.0	0.0
	1	-0.05	-0.06	-29.69	0.0	0.0	0.0
	1	-0.05	-0.06	-29.69	0.0	0.0	0.0
921	209	10.35	9.58e-04	-3.45	0.0	0.0	0.0
	210	-9.73	-1.22e-03	2.38	0.0	0.0	0.0
	1	0.26	0.10	-0.63	0.0	0.0	0.0
	1	0.26	0.10	-0.63	0.0	0.0	0.0
	1	0.26	0.10	-0.63	0.0	0.0	0.0
	1	0.26	0.10	-0.63	0.0	0.0	0.0
923	28	4.10e-04	20.61	-200.01	0.0	0.0	0.0
	226	-0.34	27.19	-11.10	0.0	0.0	0.0
	1	-6.29e-05	12.84	-86.82	0.0	0.0	0.0
	1	-6.29e-05	12.84	-86.82	0.0	0.0	0.0
	1	-6.29e-05	12.84	-86.82	0.0	0.0	0.0
	1	-6.29e-05	12.84	-86.82	0.0	0.0	0.0
925	207	-9.86	8.03e-04	-2.05	0.0	0.0	0.0
	204	10.48	-7.38e-04	1.08	0.0	0.0	0.0
	1	0.24	0.10	-0.59	0.0	0.0	0.0
	1	0.24	0.10	-0.59	0.0	0.0	0.0
	1	0.24	0.10	-0.59	0.0	0.0	0.0
	1	0.24	0.10	-0.59	0.0	0.0	0.0
937	227	0.45	-26.35	-135.45	0.0	0.0	0.0
	224	-0.40	26.99	43.52	0.0	0.0	0.0
	1	0.02	2.11	-38.91	0.0	0.0	0.0
	1	0.02	2.11	-38.91	0.0	0.0	0.0
	1	0.02	2.11	-38.91	0.0	0.0	0.0
	1	0.02	2.11	-38.91	0.0	0.0	0.0
941	235	0.03	-30.78	-79.31	0.0	0.0	0.0
	232	-2.55e-03	31.34	3.35	0.0	0.0	0.0
	1	0.01	2.10	-33.92	0.0	0.0	0.0
	1	0.01	2.10	-33.92	0.0	0.0	0.0
	1	0.01	2.10	-33.92	0.0	0.0	0.0
	1	0.01	2.10	-33.92	0.0	0.0	0.0
945	28	0.02	-1.41	-61.57	0.0	0.0	0.0
	224	-0.02	27.43	-13.08	0.0	0.0	0.0
	1	9.06e-03	2.07	-31.04	0.0	0.0	0.0
	1	9.06e-03	2.07	-31.04	0.0	0.0	0.0
	1	9.06e-03	2.07	-31.04	0.0	0.0	0.0
	1	9.06e-03	2.07	-31.04	0.0	0.0	0.0
949	28	0.02	-1.46	-57.74	0.0	0.0	0.0
	19	5.32e-03	3.18	-20.20	0.0	0.0	0.0
	1	8.03e-03	2.05	-29.98	0.0	0.0	0.0
	1	8.03e-03	2.05	-29.98	0.0	0.0	0.0

	1	8.03e-03	2.05	-29.98	0.0	0.0	0.0
	1	8.03e-03	2.05	-29.98	0.0	0.0	0.0
953	4	0.02	2.11	-58.28	0.0	0.0	0.0
	45	5.13e-03	-2.86	-20.31	0.0	0.0	0.0
	1	0.01	2.02	-30.88	0.0	0.0	0.0
	1	0.01	2.02	-30.88	0.0	0.0	0.0
	1	0.01	2.02	-30.88	0.0	0.0	0.0
	1	0.01	2.02	-30.88	0.0	0.0	0.0
957	230	0.08	18.10	-75.67	0.0	0.0	0.0
	229	-0.03	-17.77	5.06	0.0	0.0	0.0
	1	0.03	1.97	-35.49	0.0	0.0	0.0
	1	0.03	1.97	-35.49	0.0	0.0	0.0
	1	0.03	1.97	-35.49	0.0	0.0	0.0
	1	0.03	1.97	-35.49	0.0	0.0	0.0
961	230	-0.33	8.76	-149.74	0.0	0.0	0.0
	229	-1.05	-8.62	95.61	0.0	0.0	0.0
	1	-0.77	0.94	-31.69	0.0	0.0	0.0
	1	-0.77	0.94	-31.69	0.0	0.0	0.0
	1	-0.77	0.94	-31.69	0.0	0.0	0.0
	1	-0.77	0.94	-31.69	0.0	0.0	0.0
1000	230	2.54	0.12	-42.99	0.0	0.0	0.0
	229	0.59	-0.10	21.33	0.0	0.0	0.0
	1	1.74	1.19e-04	-11.83	0.0	0.0	0.0
	1	1.74	1.19e-04	-11.83	0.0	0.0	0.0
	1	1.74	1.19e-04	-11.83	0.0	0.0	0.0
	1	1.74	1.19e-04	-11.83	0.0	0.0	0.0
1004	4	1.01	5.16e-03	-10.21	0.0	0.0	0.0
	229	-0.66	-0.07	-1.55	0.0	0.0	0.0
	1	0.54	2.43e-03	-6.42	0.0	0.0	0.0
	1	0.54	2.43e-03	-6.42	0.0	0.0	0.0
	1	0.54	2.43e-03	-6.42	0.0	0.0	0.0
	1	0.54	2.43e-03	-6.42	0.0	0.0	0.0
1008	204	19.15	-0.03	-4.45	0.0	0.0	0.0
	207	-18.25	0.03	-0.11	0.0	0.0	0.0
	1	0.48	1.44e-03	-2.78	0.0	0.0	0.0
	1	0.48	1.44e-03	-2.78	0.0	0.0	0.0
	1	0.48	1.44e-03	-2.78	0.0	0.0	0.0
	1	0.48	1.44e-03	-2.78	0.0	0.0	0.0
1012	209	14.89	0.02	-23.99	0.0	0.0	0.0
	210	-14.02	-0.03	20.02	0.0	0.0	0.0
	1	0.46	-4.81e-04	-2.53	0.0	0.0	0.0
	1	0.46	-4.81e-04	-2.53	0.0	0.0	0.0
	1	0.46	-4.81e-04	-2.53	0.0	0.0	0.0
	1	0.46	-4.81e-04	-2.53	0.0	0.0	0.0
1016	204	9.09	-9.02e-03	-55.67	0.0	0.0	0.0
	207	-8.68	3.41e-03	52.40	0.0	0.0	0.0
	1	0.22	-1.34e-03	-1.97	0.0	0.0	0.0
	1	0.22	-1.34e-03	-1.97	0.0	0.0	0.0
	1	0.22	-1.34e-03	-1.97	0.0	0.0	0.0
	1	0.22	-1.34e-03	-1.97	0.0	0.0	0.0
1044	211	-7.36	-0.08	-56.04	0.0	0.0	0.0
	208	7.40	0.07	54.07	0.0	0.0	0.0
	1	0.02	-3.34e-03	-1.37	0.0	0.0	0.0
	1	0.02	-3.34e-03	-1.37	0.0	0.0	0.0
	1	0.02	-3.34e-03	-1.37	0.0	0.0	0.0
	1	0.02	-3.34e-03	-1.37	0.0	0.0	0.0
1047	207	-19.20	9.70e-03	-23.24	0.0	0.0	0.0
	204	19.27	-6.79e-03	19.74	0.0	0.0	0.0
	1	0.03	2.29e-03	-2.33	0.0	0.0	0.0
	1	0.03	2.29e-03	-2.33	0.0	0.0	0.0
	1	0.03	2.29e-03	-2.33	0.0	0.0	0.0
	1	0.03	2.29e-03	-2.33	0.0	0.0	0.0
1053	210	-19.66	0.06	-3.41	0.0	0.0	0.0
	209	19.72	-0.05	0.19	0.0	0.0	0.0
	1	0.03	8.77e-03	-2.06	0.0	0.0	0.0
	1	0.03	8.77e-03	-2.06	0.0	0.0	0.0
	1	0.03	8.77e-03	-2.06	0.0	0.0	0.0
	1	0.03	8.77e-03	-2.06	0.0	0.0	0.0
1057	4	0.03	0.02	-3.14	0.0	0.0	0.0
	229	12.31	-0.06	-1.56	0.0	0.0	0.0
	1	0.02	0.02	-2.50	0.0	0.0	0.0
	1	0.02	0.02	-2.50	0.0	0.0	0.0
	1	0.02	0.02	-2.50	0.0	0.0	0.0
	1	0.02	0.02	-2.50	0.0	0.0	0.0
1061	4	1.64e-03	0.03	-8.60	0.0	0.0	0.0

	45	9.08e-03	5.45e-03	-3.10	0.0	0.0	0.0
	1	1.18e-03	0.02	-5.20	0.0	0.0	0.0
	1	1.18e-03	0.02	-5.20	0.0	0.0	0.0
	1	1.18e-03	0.02	-5.20	0.0	0.0	0.0
	1	1.18e-03	0.02	-5.20	0.0	0.0	0.0
1065	4	-0.08	0.03	-35.79	0.0	0.0	0.0
	235	2.66	0.11	-2.95	0.0	0.0	0.0
	1	-0.04	0.02	-18.78	0.0	0.0	0.0
	1	-0.04	0.02	-18.78	0.0	0.0	0.0
	1	-0.04	0.02	-18.78	0.0	0.0	0.0
	1	-0.04	0.02	-18.78	0.0	0.0	0.0
1069	232	-2.62	14.95	-150.10	0.0	0.0	0.0
	235	2.73	-10.36	43.57	0.0	0.0	0.0
	1	0.05	3.26	-55.34	0.0	0.0	0.0
	1	0.05	3.26	-55.34	0.0	0.0	0.0
	1	0.05	3.26	-55.34	0.0	0.0	0.0
	1	0.05	3.26	-55.34	0.0	0.0	0.0
1120	4	0.28	0.03	-35.25	0.0	0.0	0.0
	235	-12.30	-0.07	-2.94	0.0	0.0	0.0
	1	0.14	0.03	-18.58	0.0	0.0	0.0
	1	0.14	0.03	-18.58	0.0	0.0	0.0
	1	0.14	0.03	-18.58	0.0	0.0	0.0
	1	0.14	0.03	-18.58	0.0	0.0	0.0
1124	4	0.19	0.03	-7.67	0.0	0.0	0.0
	45	0.05	5.45e-03	-2.96	0.0	0.0	0.0
	1	0.09	0.02	-4.83	0.0	0.0	0.0
	1	0.09	0.02	-4.83	0.0	0.0	0.0
	1	0.09	0.02	-4.83	0.0	0.0	0.0
	1	0.09	0.02	-4.83	0.0	0.0	0.0
1128	204	21.62	6.76e-03	-3.37	0.0	0.0	0.0
	207	-21.46	9.21e-03	-0.85	0.0	0.0	0.0
	1	0.08	0.01	-2.58	0.0	0.0	0.0
	1	0.08	0.01	-2.58	0.0	0.0	0.0
	1	0.08	0.01	-2.58	0.0	0.0	0.0
	1	0.08	0.01	-2.58	0.0	0.0	0.0
1132	209	16.71	-0.05	-22.57	0.0	0.0	0.0
	210	-16.57	0.06	18.36	0.0	0.0	0.0
	1	0.06	6.18e-03	-2.70	0.0	0.0	0.0
	1	0.06	6.18e-03	-2.70	0.0	0.0	0.0
	1	0.06	6.18e-03	-2.70	0.0	0.0	0.0
	1	0.06	6.18e-03	-2.70	0.0	0.0	0.0
1136	209	8.16	-0.05	-58.19	0.0	0.0	0.0
	210	-8.09	0.05	55.32	0.0	0.0	0.0
	1	0.03	-1.76e-03	-1.82	0.0	0.0	0.0
	1	0.03	-1.76e-03	-1.82	0.0	0.0	0.0
	1	0.03	-1.76e-03	-1.82	0.0	0.0	0.0
	1	0.03	-1.76e-03	-1.82	0.0	0.0	0.0
1164	210	-10.32	-1.09e-05	-58.00	0.0	0.0	0.0
	209	10.32	-1.64e-03	55.50	0.0	0.0	0.0
	1	2.28e-03	-1.70e-03	-1.65	0.0	0.0	0.0
	1	2.28e-03	-1.70e-03	-1.65	0.0	0.0	0.0
	1	2.28e-03	-1.70e-03	-1.65	0.0	0.0	0.0
	1	2.28e-03	-1.70e-03	-1.65	0.0	0.0	0.0
1167	210	-21.14	5.46e-03	-22.48	0.0	0.0	0.0
	209	21.13	1.30e-03	18.41	0.0	0.0	0.0
	1	-2.01e-03	5.92e-03	-2.64	0.0	0.0	0.0
	1	-2.01e-03	5.92e-03	-2.64	0.0	0.0	0.0
	1	-2.01e-03	5.92e-03	-2.64	0.0	0.0	0.0
	1	-2.01e-03	5.92e-03	-2.64	0.0	0.0	0.0
1173	210	-21.58	3.92e-03	-3.35	0.0	0.0	0.0
	209	21.55	0.01	-0.86	0.0	0.0	0.0
	1	-0.01	0.01	-2.58	0.0	0.0	0.0
	1	-0.01	0.01	-2.58	0.0	0.0	0.0
	1	-0.01	0.01	-2.58	0.0	0.0	0.0
	1	-0.01	0.01	-2.58	0.0	0.0	0.0
1177	4	-0.06	0.03	-7.77	0.0	0.0	0.0
	45	-6.91e-03	5.35e-03	-2.98	0.0	0.0	0.0
	1	-0.03	0.02	-4.88	0.0	0.0	0.0
	1	-0.03	0.02	-4.88	0.0	0.0	0.0
	1	-0.03	0.02	-4.88	0.0	0.0	0.0
	1	-0.03	0.02	-4.88	0.0	0.0	0.0
1181	4	-0.15	0.03	-35.81	0.0	0.0	0.0
	225	12.26	-0.07	-2.78	0.0	0.0	0.0
	1	-0.07	0.03	-18.85	0.0	0.0	0.0
	1	-0.07	0.03	-18.85	0.0	0.0	0.0

	1	-0.07	0.03	-18.85	0.0	0.0	0.0
	1	-0.07	0.03	-18.85	0.0	0.0	0.0
1185	226	2.59	14.98	-152.37	0.0	0.0	0.0
	225	-2.57	-10.41	44.46	0.0	0.0	0.0
	1	9.46e-03	3.26	-56.03	0.0	0.0	0.0
	1	9.46e-03	3.26	-56.03	0.0	0.0	0.0
	1	9.46e-03	3.26	-56.03	0.0	0.0	0.0
	1	9.46e-03	3.26	-56.03	0.0	0.0	0.0
1231	4	0.20	0.03	-36.37	0.0	0.0	0.0
	225	-2.51	0.11	-2.80	0.0	0.0	0.0
	1	0.10	0.02	-19.05	0.0	0.0	0.0
	1	0.10	0.02	-19.05	0.0	0.0	0.0
	1	0.10	0.02	-19.05	0.0	0.0	0.0
1235	1	0.10	0.02	-19.05	0.0	0.0	0.0
	4	0.12	0.03	-8.72	0.0	0.0	0.0
	225	-2.43	-0.03	-3.07	0.0	0.0	0.0
	1	0.06	0.02	-5.26	0.0	0.0	0.0
	1	0.06	0.02	-5.26	0.0	0.0	0.0
	1	0.06	0.02	-5.26	0.0	0.0	0.0
1239	1	0.06	0.02	-5.26	0.0	0.0	0.0
	4	0.09	0.02	-3.17	0.0	0.0	0.0
	223	-12.16	-0.06	-1.54	0.0	0.0	0.0
	1	0.04	0.02	-2.51	0.0	0.0	0.0
	1	0.04	0.02	-2.51	0.0	0.0	0.0
	1	0.04	0.02	-2.51	0.0	0.0	0.0
1243	1	0.04	0.02	-2.51	0.0	0.0	0.0
	204	19.70	0.07	-3.43	0.0	0.0	0.0
	207	-19.63	-0.06	0.19	0.0	0.0	0.0
	1	0.03	8.60e-03	-2.07	0.0	0.0	0.0
	1	0.03	8.60e-03	-2.07	0.0	0.0	0.0
	1	0.03	8.60e-03	-2.07	0.0	0.0	0.0
	1	0.03	8.60e-03	-2.07	0.0	0.0	0.0
1247	209	19.29	0.02	-23.35	0.0	0.0	0.0
	210	-19.23	-0.02	19.70	0.0	0.0	0.0
	1	0.03	2.07e-03	-2.40	0.0	0.0	0.0
	1	0.03	2.07e-03	-2.40	0.0	0.0	0.0
	1	0.03	2.07e-03	-2.40	0.0	0.0	0.0
	1	0.03	2.07e-03	-2.40	0.0	0.0	0.0
1251	209	9.39	-0.08	-56.27	0.0	0.0	0.0
	210	-9.37	0.07	53.94	0.0	0.0	0.0
	1	0.01	-3.54e-03	-1.53	0.0	0.0	0.0
	1	0.01	-3.54e-03	-1.53	0.0	0.0	0.0
	1	0.01	-3.54e-03	-1.53	0.0	0.0	0.0
	1	0.01	-3.54e-03	-1.53	0.0	0.0	0.0
1284	210	-9.08	-0.02	-55.54	0.0	0.0	0.0
	209	8.69	0.01	52.61	0.0	0.0	0.0
	1	-0.21	-2.17e-03	-1.82	0.0	0.0	0.0
	1	-0.21	-2.17e-03	-1.82	0.0	0.0	0.0
	1	-0.21	-2.17e-03	-1.82	0.0	0.0	0.0
	1	-0.21	-2.17e-03	-1.82	0.0	0.0	0.0
1287	211	-14.63	0.05	-23.83	0.0	0.0	0.0
	208	13.81	-0.06	20.12	0.0	0.0	0.0
	1	-0.44	-8.73e-04	-2.40	0.0	0.0	0.0
	1	-0.44	-8.73e-04	-2.40	0.0	0.0	0.0
	1	-0.44	-8.73e-04	-2.40	0.0	0.0	0.0
	1	-0.44	-8.73e-04	-2.40	0.0	0.0	0.0
1293	210	-19.13	-0.04	-4.22	0.0	0.0	0.0
	209	18.26	0.04	0.12	0.0	0.0	0.0
	1	-0.47	1.92e-03	-2.52	0.0	0.0	0.0
	1	-0.47	1.92e-03	-2.52	0.0	0.0	0.0
	1	-0.47	1.92e-03	-2.52	0.0	0.0	0.0
	1	-0.47	1.92e-03	-2.52	0.0	0.0	0.0
1297	220	-1.54	0.08	-8.58	0.0	0.0	0.0
	223	0.60	-0.07	-0.31	0.0	0.0	0.0
	1	-0.51	3.79e-03	-5.02	0.0	0.0	0.0
	1	-0.51	3.79e-03	-5.02	0.0	0.0	0.0
	1	-0.51	3.79e-03	-5.02	0.0	0.0	0.0
	1	-0.51	3.79e-03	-5.02	0.0	0.0	0.0
1301	220	-1.43	0.12	-47.83	0.0	0.0	0.0
	223	0.33	-0.10	16.48	0.0	0.0	0.0
	1	-0.60	1.66e-03	-17.10	0.0	0.0	0.0
	1	-0.60	1.66e-03	-17.10	0.0	0.0	0.0
	1	-0.60	1.66e-03	-17.10	0.0	0.0	0.0
	1	-0.60	1.66e-03	-17.10	0.0	0.0	0.0
1305	220	-0.64	10.39	-148.58	0.0	0.0	0.0

	223	-0.02	-7.10	97.42	0.0	0.0	0.0
	1	-0.37	2.59	-30.31	0.0	0.0	0.0
	1	-0.37	2.59	-30.31	0.0	0.0	0.0
	1	-0.37	2.59	-30.31	0.0	0.0	0.0
	1	-0.37	2.59	-30.31	0.0	0.0	0.0
1351	4	1.16e-03	-1.62	-82.69	0.0	0.0	0.0
	45	3.38e-04	-4.37	-25.26	0.0	0.0	0.0
	1	5.71e-04	0.35	-41.03	0.0	0.0	0.0
	1	5.71e-04	0.35	-41.03	0.0	0.0	0.0
	1	5.71e-04	0.35	-41.03	0.0	0.0	0.0
	1	5.71e-04	0.35	-41.03	0.0	0.0	0.0
1355	4	2.02e-03	2.78	-99.84	0.0	0.0	0.0
	45	6.43e-04	-3.36	-32.65	0.0	0.0	0.0
	1	1.02e-03	2.61	-49.36	0.0	0.0	0.0
	1	1.02e-03	2.61	-49.36	0.0	0.0	0.0
	1	1.02e-03	2.61	-49.36	0.0	0.0	0.0
	1	1.02e-03	2.61	-49.36	0.0	0.0	0.0
1359	28	2.28e-03	-1.58	-97.03	0.0	0.0	0.0
	19	8.31e-04	4.04	-31.89	0.0	0.0	0.0
	1	1.17e-03	2.64	-47.70	0.0	0.0	0.0
	1	1.17e-03	2.64	-47.70	0.0	0.0	0.0
	1	1.17e-03	2.64	-47.70	0.0	0.0	0.0
	1	1.17e-03	2.64	-47.70	0.0	0.0	0.0
1363	28	2.37e-03	-1.52	-102.89	0.0	0.0	0.0
	19	7.99e-04	4.07	-33.02	0.0	0.0	0.0
	1	1.18e-03	2.68	-50.28	0.0	0.0	0.0
	1	1.18e-03	2.68	-50.28	0.0	0.0	0.0
	1	1.18e-03	2.68	-50.28	0.0	0.0	0.0
	1	1.18e-03	2.68	-50.28	0.0	0.0	0.0
1367	28	2.23e-03	-1.43	-119.05	0.0	0.0	0.0
	232	0.06	26.39	-33.71	0.0	0.0	0.0
	1	9.01e-04	2.73	-57.67	0.0	0.0	0.0
	1	9.01e-04	2.73	-57.67	0.0	0.0	0.0
	1	9.01e-04	2.73	-57.67	0.0	0.0	0.0
	1	9.01e-04	2.73	-57.67	0.0	0.0	0.0
1371	235	-0.13	-22.23	-118.65	0.0	0.0	0.0
	232	0.13	29.29	3.13	0.0	0.0	0.0
	1	1.85e-04	5.28	-51.16	0.0	0.0	0.0
	1	1.85e-04	5.28	-51.16	0.0	0.0	0.0
	1	1.85e-04	5.28	-51.16	0.0	0.0	0.0
	1	1.85e-04	5.28	-51.16	0.0	0.0	0.0
1375	235	2.67	-15.34	-246.82	0.0	0.0	0.0
	232	-2.55	9.86	87.93	0.0	0.0	0.0
	1	0.06	-1.14	-64.77	0.0	0.0	0.0
	1	0.06	-1.14	-64.77	0.0	0.0	0.0
	1	0.06	-1.14	-64.77	0.0	0.0	0.0
	1	0.06	-1.14	-64.77	0.0	0.0	0.0
1414	4	-9.26e-04	-1.80	-83.75	0.0	0.0	0.0
	225	-5.68e-03	-27.99	-24.97	0.0	0.0	0.0
	1	-4.47e-04	0.26	-41.55	0.0	0.0	0.0
	1	-4.47e-04	0.26	-41.55	0.0	0.0	0.0
	1	-4.47e-04	0.26	-41.55	0.0	0.0	0.0
	1	-4.47e-04	0.26	-41.55	0.0	0.0	0.0
1418	4	-1.29e-03	2.66	-100.83	0.0	0.0	0.0
	45	-3.95e-04	-3.41	-32.92	0.0	0.0	0.0
	1	-6.28e-04	2.55	-49.86	0.0	0.0	0.0
	1	-6.28e-04	2.55	-49.86	0.0	0.0	0.0
	1	-6.28e-04	2.55	-49.86	0.0	0.0	0.0
	1	-6.28e-04	2.55	-49.86	0.0	0.0	0.0
1422	28	-1.39e-03	-1.71	-97.70	0.0	0.0	0.0
	19	-3.84e-04	4.02	-32.15	0.0	0.0	0.0
	1	-6.47e-04	2.58	-48.07	0.0	0.0	0.0
	1	-6.47e-04	2.58	-48.07	0.0	0.0	0.0
	1	-6.47e-04	2.58	-48.07	0.0	0.0	0.0
	1	-6.47e-04	2.58	-48.07	0.0	0.0	0.0
1426	28	-1.57e-03	-1.66	-103.49	0.0	0.0	0.0
	19	-3.68e-04	4.04	-33.27	0.0	0.0	0.0
	1	-6.97e-04	2.62	-50.64	0.0	0.0	0.0
	1	-6.97e-04	2.62	-50.64	0.0	0.0	0.0
	1	-6.97e-04	2.62	-50.64	0.0	0.0	0.0
	1	-6.97e-04	2.62	-50.64	0.0	0.0	0.0
1430	28	-2.71e-03	-1.56	-119.76	0.0	0.0	0.0
	226	-0.06	26.39	-33.94	0.0	0.0	0.0
	1	-1.23e-03	2.67	-58.11	0.0	0.0	0.0
	1	-1.23e-03	2.67	-58.11	0.0	0.0	0.0

	1	-1.23e-03	2.67	-58.11	0.0	0.0	0.0
	1	-1.23e-03	2.67	-58.11	0.0	0.0	0.0
1434	225	0.13	-22.35	-119.56	0.0	0.0	0.0
	226	-0.14	29.33	3.16	0.0	0.0	0.0
	1	-2.59e-03	5.26	-51.61	0.0	0.0	0.0
	1	-2.59e-03	5.26	-51.61	0.0	0.0	0.0
	1	-2.59e-03	5.26	-51.61	0.0	0.0	0.0
	1	-2.59e-03	5.26	-51.61	0.0	0.0	0.0
1438	225	-2.65	-15.44	-248.69	0.0	0.0	0.0
	226	2.62	9.83	88.04	0.0	0.0	0.0
	1	-1.24e-03	-1.20	-65.64	0.0	0.0	0.0
	1	-1.24e-03	-1.20	-65.64	0.0	0.0	0.0
	1	-1.24e-03	-1.20	-65.64	0.0	0.0	0.0
	1	-1.24e-03	-1.20	-65.64	0.0	0.0	0.0
1477	220	-0.08	16.40	-71.63	0.0	0.0	0.0
	223	0.02	-19.71	10.22	0.0	0.0	0.0
	1	-0.03	0.09	-30.47	0.0	0.0	0.0
	1	-0.03	0.09	-30.47	0.0	0.0	0.0
	1	-0.03	0.09	-30.47	0.0	0.0	0.0
	1	-0.03	0.09	-30.47	0.0	0.0	0.0
1481	4	-0.03	1.97	-63.86	0.0	0.0	0.0
	45	-5.39e-03	-2.96	-21.95	0.0	0.0	0.0
	1	-0.01	2.00	-33.98	0.0	0.0	0.0
	1	-0.01	2.00	-33.98	0.0	0.0	0.0
	1	-0.01	2.00	-33.98	0.0	0.0	0.0
	1	-0.01	2.00	-33.98	0.0	0.0	0.0
1485	28	-0.01	-1.64	-59.98	0.0	0.0	0.0
	19	-4.72e-03	3.25	-21.20	0.0	0.0	0.0
	1	-7.26e-03	2.05	-31.38	0.0	0.0	0.0
	1	-7.26e-03	2.05	-31.38	0.0	0.0	0.0
	1	-7.26e-03	2.05	-31.38	0.0	0.0	0.0
	1	-7.26e-03	2.05	-31.38	0.0	0.0	0.0
1489	28	-0.02	-1.57	-64.79	0.0	0.0	0.0
	234	0.02	27.50	-14.60	0.0	0.0	0.0
	1	-8.79e-03	2.09	-32.98	0.0	0.0	0.0
	1	-8.79e-03	2.09	-32.98	0.0	0.0	0.0
	1	-8.79e-03	2.09	-32.98	0.0	0.0	0.0
	1	-8.79e-03	2.09	-32.98	0.0	0.0	0.0
1493	225	-0.03	-30.94	-85.17	0.0	0.0	0.0
	226	-4.80e-03	31.42	-1.71	0.0	0.0	0.0
	1	-0.01	2.15	-39.01	0.0	0.0	0.0
	1	-0.01	2.15	-39.01	0.0	0.0	0.0
	1	-0.01	2.15	-39.01	0.0	0.0	0.0
	1	-0.01	2.15	-39.01	0.0	0.0	0.0
1497	233	-0.45	-24.09	-131.27	0.0	0.0	0.0
	234	0.39	29.55	47.91	0.0	0.0	0.0
	1	-0.02	4.12	-36.38	0.0	0.0	0.0
	1	-0.02	4.12	-36.38	0.0	0.0	0.0
	1	-0.02	4.12	-36.38	0.0	0.0	0.0
	1	-0.02	4.12	-36.38	0.0	0.0	0.0
1501	233	-1.02	-15.24	-226.34	0.0	0.0	0.0
	234	0.03	10.85	145.70	0.0	0.0	0.0
	1	-0.37	-0.92	-30.20	0.0	0.0	0.0
	1	-0.37	-0.92	-30.20	0.0	0.0	0.0
	1	-0.37	-0.92	-30.20	0.0	0.0	0.0
	1	-0.37	-0.92	-30.20	0.0	0.0	0.0
1540	235	2.44	-0.07	-59.98	0.0	0.0	0.0
	232	-2.58	0.11	6.87	0.0	0.0	0.0
	1	-0.05	0.19	-23.25	0.0	0.0	0.0
	1	-0.05	0.19	-23.25	0.0	0.0	0.0
	1	-0.05	0.19	-23.25	0.0	0.0	0.0
	1	-0.05	0.19	-23.25	0.0	0.0	0.0
1544	207	-10.87	0.02	-18.83	0.0	0.0	0.0
	204	10.83	7.12e-03	7.22	0.0	0.0	0.0
	1	-2.37e-03	0.36	-5.82	0.0	0.0	0.0
	1	-2.37e-03	0.36	-5.82	0.0	0.0	0.0
	1	-2.37e-03	0.36	-5.82	0.0	0.0	0.0
	1	-2.37e-03	0.36	-5.82	0.0	0.0	0.0
1548	207	-10.48	0.02	-34.52	0.0	0.0	0.0
	204	10.60	-3.52e-03	30.73	0.0	0.0	0.0
	1	0.06	0.30	-2.24	0.0	0.0	0.0
	1	0.06	0.30	-2.24	0.0	0.0	0.0
	1	0.06	0.30	-2.24	0.0	0.0	0.0
	1	0.06	0.30	-2.24	0.0	0.0	0.0
1567	207	-7.33	2.04e-03	-3.36	0.0	0.0	0.0

	204	7.46	-1.18e-03	2.68	0.0	0.0	0.0
	1	0.04	0.07	-0.43	0.0	0.0	0.0
	1	0.04	0.07	-0.43	0.0	0.0	0.0
	1	0.04	0.07	-0.43	0.0	0.0	0.0
	1	0.04	0.07	-0.43	0.0	0.0	0.0
1571	207	-7.68	-1.60e-03	-0.90	0.0	0.0	0.0
	204	7.84	1.54e-03	0.24	0.0	0.0	0.0
	1	0.07	0.06	-0.41	0.0	0.0	0.0
	1	0.07	0.06	-0.41	0.0	0.0	0.0
	1	0.07	0.06	-0.41	0.0	0.0	0.0
	1	0.07	0.06	-0.41	0.0	0.0	0.0
1575	209	7.91	-4.70e-04	-2.22	0.0	0.0	0.0
	210	-7.75	2.18e-04	1.53	0.0	0.0	0.0
	1	0.08	0.09	-0.44	0.0	0.0	0.0
	1	0.08	0.09	-0.44	0.0	0.0	0.0
	1	0.08	0.09	-0.44	0.0	0.0	0.0
	1	0.08	0.09	-0.44	0.0	0.0	0.0
1591	235	3.21	-0.07	-60.45	0.0	0.0	0.0
	232	-2.82	0.11	7.31	0.0	0.0	0.0
	1	0.17	0.19	-23.27	0.0	0.0	0.0
	1	0.17	0.19	-23.27	0.0	0.0	0.0
	1	0.17	0.19	-23.27	0.0	0.0	0.0
	1	0.17	0.19	-23.27	0.0	0.0	0.0
1595	209	11.11	-0.05	-18.26	0.0	0.0	0.0
	210	-10.83	0.07	6.44	0.0	0.0	0.0
	1	0.12	0.36	-5.93	0.0	0.0	0.0
	1	0.12	0.36	-5.93	0.0	0.0	0.0
	1	0.12	0.36	-5.93	0.0	0.0	0.0
	1	0.12	0.36	-5.93	0.0	0.0	0.0
1599	209	11.92	-0.04	-35.83	0.0	0.0	0.0
	210	-11.80	0.05	31.45	0.0	0.0	0.0
	1	0.05	0.32	-2.59	0.0	0.0	0.0
	1	0.05	0.32	-2.59	0.0	0.0	0.0
	1	0.05	0.32	-2.59	0.0	0.0	0.0
	1	0.05	0.32	-2.59	0.0	0.0	0.0
1617	210	-8.52	8.64e-03	-23.44	0.0	0.0	0.0
	209	8.60	-9.55e-03	21.29	0.0	0.0	0.0
	1	0.05	0.36	-1.40	0.0	0.0	0.0
	1	0.05	0.36	-1.40	0.0	0.0	0.0
	1	0.05	0.36	-1.40	0.0	0.0	0.0
	1	0.05	0.36	-1.40	0.0	0.0	0.0
1626	204	7.25	3.13e-03	-22.50	0.0	0.0	0.0
	207	-7.28	-4.18e-03	20.31	0.0	0.0	0.0
	1	-0.01	0.34	-1.42	0.0	0.0	0.0
	1	-0.01	0.34	-1.42	0.0	0.0	0.0
	1	-0.01	0.34	-1.42	0.0	0.0	0.0
	1	-0.01	0.34	-1.42	0.0	0.0	0.0
1645	209	10.28	-6.60e-03	-3.38	0.0	0.0	0.0
	210	-10.15	7.19e-03	2.51	0.0	0.0	0.0
	1	0.08	0.09	-0.55	0.0	0.0	0.0
	1	0.08	0.09	-0.55	0.0	0.0	0.0
	1	0.08	0.09	-0.55	0.0	0.0	0.0
	1	0.08	0.09	-0.55	0.0	0.0	0.0
1649	207	-10.51	-6.52e-03	-1.89	0.0	0.0	0.0
	204	10.56	6.34e-03	1.05	0.0	0.0	0.0
	1	0.02	0.10	-0.54	0.0	0.0	0.0
	1	0.02	0.10	-0.54	0.0	0.0	0.0
	1	0.02	0.10	-0.54	0.0	0.0	0.0
	1	0.02	0.10	-0.54	0.0	0.0	0.0
1661	225	-3.18	-0.07	-60.92	0.0	0.0	0.0
	226	2.89	0.11	7.30	0.0	0.0	0.0
	1	-0.11	0.19	-23.51	0.0	0.0	0.0
	1	-0.11	0.19	-23.51	0.0	0.0	0.0
	1	-0.11	0.19	-23.51	0.0	0.0	0.0
	1	-0.11	0.19	-23.51	0.0	0.0	0.0
1665	207	-11.05	-0.04	-18.65	0.0	0.0	0.0
	204	10.88	0.06	6.87	0.0	0.0	0.0
	1	-0.06	0.36	-5.90	0.0	0.0	0.0
	1	-0.06	0.36	-5.90	0.0	0.0	0.0
	1	-0.06	0.36	-5.90	0.0	0.0	0.0
	1	-0.06	0.36	-5.90	0.0	0.0	0.0
1669	207	-10.66	-0.04	-34.54	0.0	0.0	0.0
	204	10.62	0.05	30.61	0.0	0.0	0.0
	1	3.89e-03	0.30	-2.31	0.0	0.0	0.0
	1	3.89e-03	0.30	-2.31	0.0	0.0	0.0

	1	3.89e-03	0.30	-2.31	0.0	0.0	0.0
	1	3.89e-03	0.30	-2.31	0.0	0.0	0.0
1688	207	-7.56	2.08e-03	-3.31	0.0	0.0	0.0
	204	7.51	-1.32e-03	2.65	0.0	0.0	0.0
	1	-0.02	0.07	-0.42	0.0	0.0	0.0
	1	-0.02	0.07	-0.42	0.0	0.0	0.0
	1	-0.02	0.07	-0.42	0.0	0.0	0.0
	1	-0.02	0.07	-0.42	0.0	0.0	0.0
1690	235	-0.10	-12.18	-142.32	0.0	0.0	0.0
	232	0.10	12.73	44.57	0.0	0.0	0.0
	1	1.09e-04	1.46	-36.96	0.0	0.0	0.0
	1	1.09e-04	1.46	-36.96	0.0	0.0	0.0
	1	1.09e-04	1.46	-36.96	0.0	0.0	0.0
	1	1.09e-04	1.46	-36.96	0.0	0.0	0.0
1692	207	-7.91	-1.63e-04	-0.84	0.0	0.0	0.0
	204	7.91	1.09e-04	0.22	0.0	0.0	0.0
	1	6.01e-03	0.06	-0.40	0.0	0.0	0.0
	1	6.01e-03	0.06	-0.40	0.0	0.0	0.0
	1	6.01e-03	0.06	-0.40	0.0	0.0	0.0
	1	6.01e-03	0.06	-0.40	0.0	0.0	0.0
1696	209	7.91	-7.99e-03	-2.22	0.0	0.0	0.0
	210	-7.87	7.80e-03	1.57	0.0	0.0	0.0
	1	0.03	0.09	-0.42	0.0	0.0	0.0
	1	0.03	0.09	-0.42	0.0	0.0	0.0
	1	0.03	0.09	-0.42	0.0	0.0	0.0
	1	0.03	0.09	-0.42	0.0	0.0	0.0
1712	225	-2.41	-0.07	-60.47	0.0	0.0	0.0
	226	2.65	0.11	6.85	0.0	0.0	0.0
	1	0.11	0.19	-23.51	0.0	0.0	0.0
	1	0.11	0.19	-23.51	0.0	0.0	0.0
	1	0.11	0.19	-23.51	0.0	0.0	0.0
	1	0.11	0.19	-23.51	0.0	0.0	0.0
1716	209	10.93	0.04	-18.51	0.0	0.0	0.0
	210	-10.78	-9.24e-03	6.71	0.0	0.0	0.0
	1	0.07	0.36	-5.92	0.0	0.0	0.0
	1	0.07	0.36	-5.92	0.0	0.0	0.0
	1	0.07	0.36	-5.92	0.0	0.0	0.0
	1	0.07	0.36	-5.92	0.0	0.0	0.0
1720	209	11.70	-0.05	-35.82	0.0	0.0	0.0
	210	-11.77	0.06	31.57	0.0	0.0	0.0
	1	-0.03	0.32	-2.52	0.0	0.0	0.0
	1	-0.03	0.32	-2.52	0.0	0.0	0.0
	1	-0.03	0.32	-2.52	0.0	0.0	0.0
	1	-0.03	0.32	-2.52	0.0	0.0	0.0
1738	210	-8.37	-6.18e-03	-23.52	0.0	0.0	0.0
	209	8.29	6.03e-03	21.34	0.0	0.0	0.0
	1	-0.02	0.35	-1.42	0.0	0.0	0.0
	1	-0.02	0.35	-1.42	0.0	0.0	0.0
	1	-0.02	0.35	-1.42	0.0	0.0	0.0
	1	-0.02	0.35	-1.42	0.0	0.0	0.0
1747	204	7.02	-0.02	-22.43	0.0	0.0	0.0
	207	-7.39	0.02	20.45	0.0	0.0	0.0
	1	-0.15	0.33	-1.32	0.0	0.0	0.0
	1	-0.15	0.33	-1.32	0.0	0.0	0.0
	1	-0.15	0.33	-1.32	0.0	0.0	0.0
	1	-0.15	0.33	-1.32	0.0	0.0	0.0
1766	209	9.97	2.38e-03	-3.45	0.0	0.0	0.0
	210	-10.08	-1.79e-03	2.54	0.0	0.0	0.0
	1	-0.02	0.09	-0.57	0.0	0.0	0.0
	1	-0.02	0.09	-0.57	0.0	0.0	0.0
	1	-0.02	0.09	-0.57	0.0	0.0	0.0
	1	-0.02	0.09	-0.57	0.0	0.0	0.0
1770	207	-10.55	1.35e-03	-1.89	0.0	0.0	0.0
	204	10.40	-1.54e-03	0.99	0.0	0.0	0.0
	1	-0.06	0.10	-0.56	0.0	0.0	0.0
	1	-0.06	0.10	-0.56	0.0	0.0	0.0
	1	-0.06	0.10	-0.56	0.0	0.0	0.0
	1	-0.06	0.10	-0.56	0.0	0.0	0.0
1782	233	-2.47	-0.05	-76.91	0.0	0.0	0.0
	234	0.82	0.07	31.27	0.0	0.0	0.0
	1	-0.62	0.35	-19.13	0.0	0.0	0.0
	1	-0.62	0.35	-19.13	0.0	0.0	0.0
	1	-0.62	0.35	-19.13	0.0	0.0	0.0
	1	-0.62	0.35	-19.13	0.0	0.0	0.0
1786	207	-10.98	-0.12	-17.35	0.0	0.0	0.0

	204	9.46	0.12	6.58	0.0	0.0	0.0
	1	-0.58	0.62	-5.30	0.0	0.0	0.0
	1	-0.58	0.62	-5.30	0.0	0.0	0.0
	1	-0.58	0.62	-5.30	0.0	0.0	0.0
	1	-0.58	0.62	-5.30	0.0	0.0	0.0
1790	207	-10.61	0.03	-34.07	0.0	0.0	0.0
	204	9.72	-0.04	29.84	0.0	0.0	0.0
	1	-0.33	0.52	-2.40	0.0	0.0	0.0
	1	-0.33	0.52	-2.40	0.0	0.0	0.0
	1	-0.33	0.52	-2.40	0.0	0.0	0.0
	1	-0.33	0.52	-2.40	0.0	0.0	0.0
1809	207	-7.60	4.33e-03	-3.40	0.0	0.0	0.0
	204	7.19	-4.83e-03	2.54	0.0	0.0	0.0
	1	-0.17	0.09	-0.50	0.0	0.0	0.0
	1	-0.17	0.09	-0.50	0.0	0.0	0.0
	1	-0.17	0.09	-0.50	0.0	0.0	0.0
	1	-0.17	0.09	-0.50	0.0	0.0	0.0
1813	207	-8.02	-1.50e-03	-0.87	0.0	0.0	0.0
	204	7.55	1.54e-03	0.12	0.0	0.0	0.0
	1	-0.18	0.06	-0.45	0.0	0.0	0.0
	1	-0.18	0.06	-0.45	0.0	0.0	0.0
	1	-0.18	0.06	-0.45	0.0	0.0	0.0
	1	-0.18	0.06	-0.45	0.0	0.0	0.0
1817	209	7.37	3.21e-03	-2.33	0.0	0.0	0.0
	210	-7.86	-3.10e-03	1.59	0.0	0.0	0.0
	1	-0.17	0.09	-0.46	0.0	0.0	0.0
	1	-0.17	0.09	-0.46	0.0	0.0	0.0
	1	-0.17	0.09	-0.46	0.0	0.0	0.0
	1	-0.17	0.09	-0.46	0.0	0.0	0.0
2931	235	-0.05	-18.09	-56.80	0.0	0.0	0.0
	232	0.05	17.91	14.04	0.0	0.0	0.0
	1	4.71e-04	0.94	-19.07	0.0	0.0	0.0
	1	4.71e-04	0.94	-19.07	0.0	0.0	0.0
	1	4.71e-04	0.94	-19.07	0.0	0.0	0.0
	1	4.71e-04	0.94	-19.07	0.0	0.0	0.0
2956	225	0.04	-18.23	-54.35	0.0	0.0	0.0
	226	-0.04	17.89	15.59	0.0	0.0	0.0
	1	-3.06e-05	0.90	-16.91	0.0	0.0	0.0
	1	-3.06e-05	0.90	-16.91	0.0	0.0	0.0
	1	-3.06e-05	0.90	-16.91	0.0	0.0	0.0
	1	-3.06e-05	0.90	-16.91	0.0	0.0	0.0
5384	204	5.84	-0.01	-2.07	0.0	0.0	0.0
	207	-5.66	0.01	-0.79	0.0	0.0	0.0
	1	0.07	0.48	-1.93	0.0	0.0	0.0
	1	0.07	0.48	-1.93	0.0	0.0	0.0
	1	0.07	0.48	-1.93	0.0	0.0	0.0
	1	0.07	0.48	-1.93	0.0	0.0	0.0
5389	204	5.91	0.01	-2.14	0.0	0.0	0.0
	207	-5.89	-0.01	-0.98	0.0	0.0	0.0
	1	0.01	0.46	-2.04	0.0	0.0	0.0
	1	0.01	0.46	-2.04	0.0	0.0	0.0
	1	0.01	0.46	-2.04	0.0	0.0	0.0
	1	0.01	0.46	-2.04	0.0	0.0	0.0
5397	204	5.77	-0.01	-1.98	0.0	0.0	0.0
	207	-5.92	0.01	-0.83	0.0	0.0	0.0
	1	-0.06	0.48	-1.91	0.0	0.0	0.0
	1	-0.06	0.48	-1.91	0.0	0.0	0.0
	1	-0.06	0.48	-1.91	0.0	0.0	0.0
	1	-0.06	0.48	-1.91	0.0	0.0	0.0
5588	28	6.74e-04	-2.17	-159.15	0.0	0.0	0.0
	232	0.19	26.23	-35.36	0.0	0.0	0.0
	1	2.69e-04	3.03	-73.61	0.0	0.0	0.0
	1	2.69e-04	3.03	-73.61	0.0	0.0	0.0
	1	2.69e-04	3.03	-73.61	0.0	0.0	0.0
	1	2.69e-04	3.03	-73.61	0.0	0.0	0.0

16 RISULTATI ELEMENTI TIPO TRAVE

16.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo pilastro
- tipo trave in elevazione
- tipo trave in fondazione

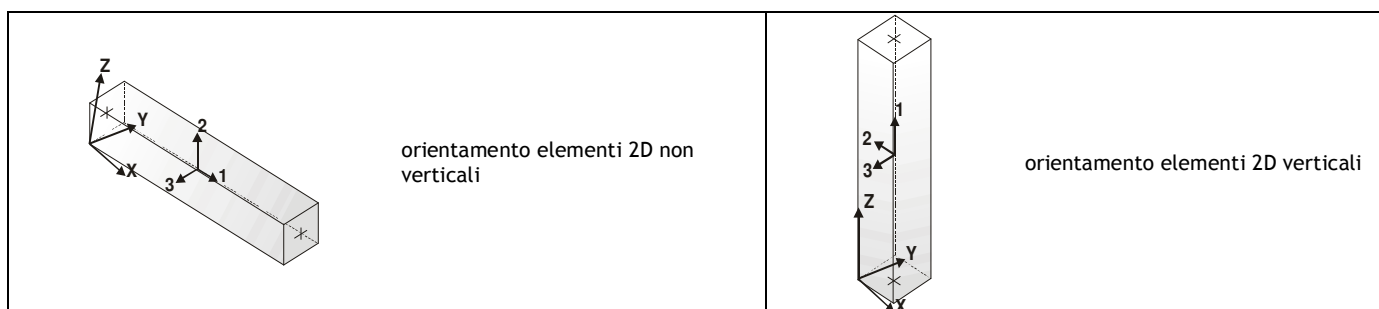
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



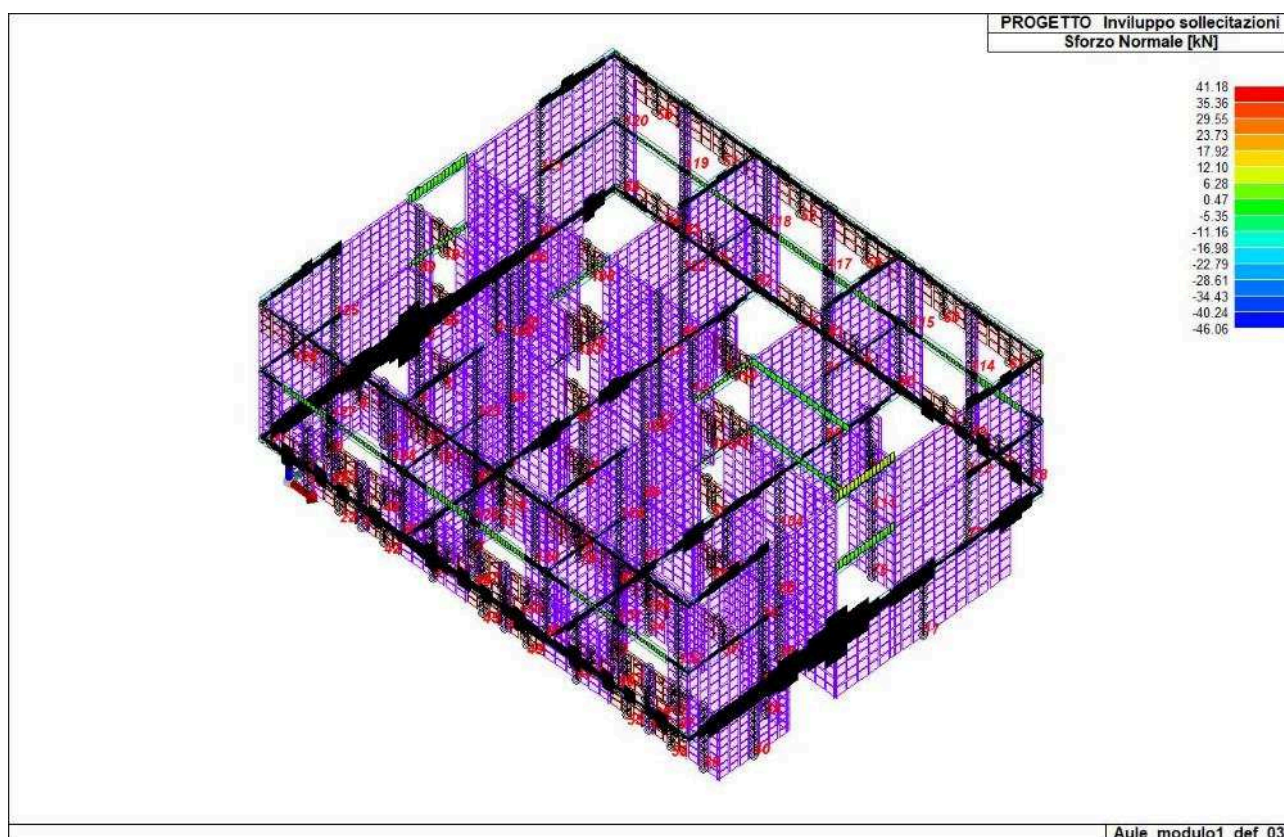


Figura 12: Involuppo sforzo normale

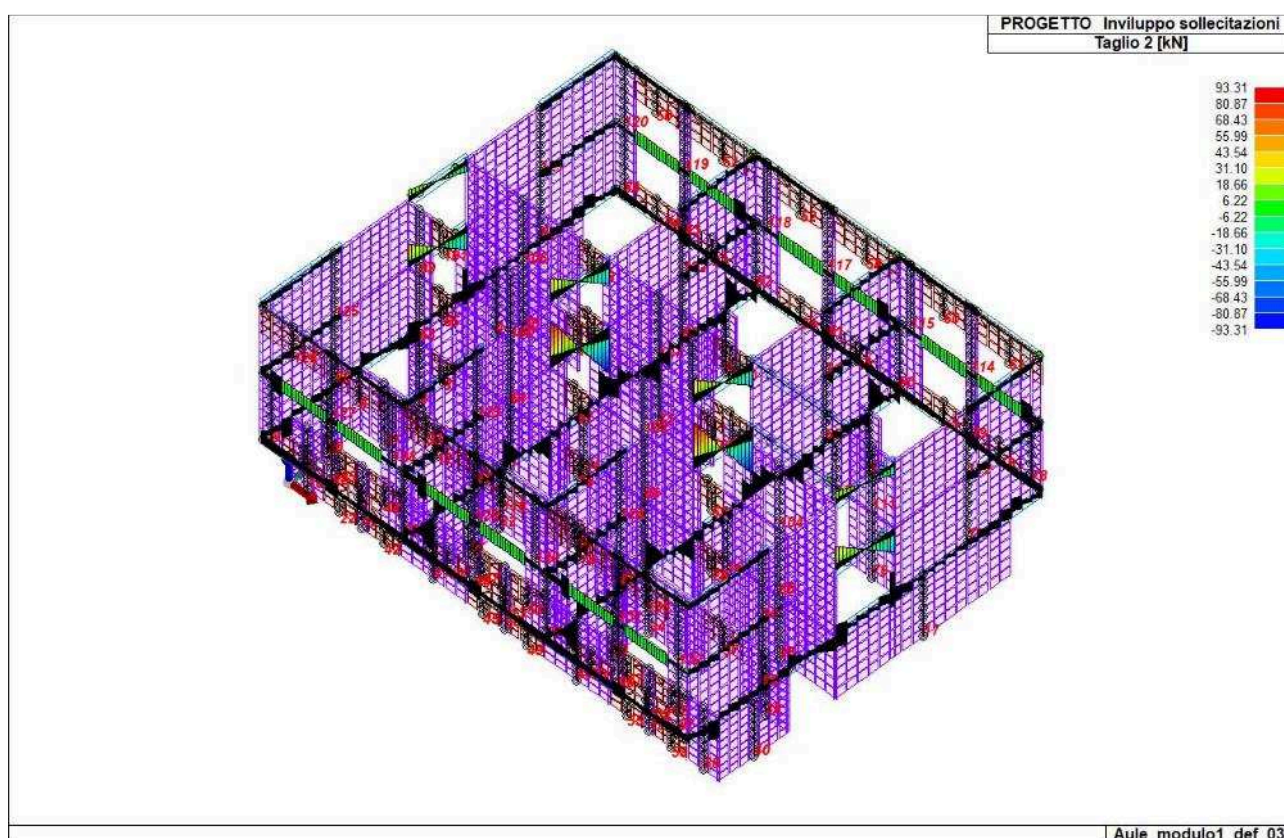


Figura 13: Involuppo sforzo di taglio

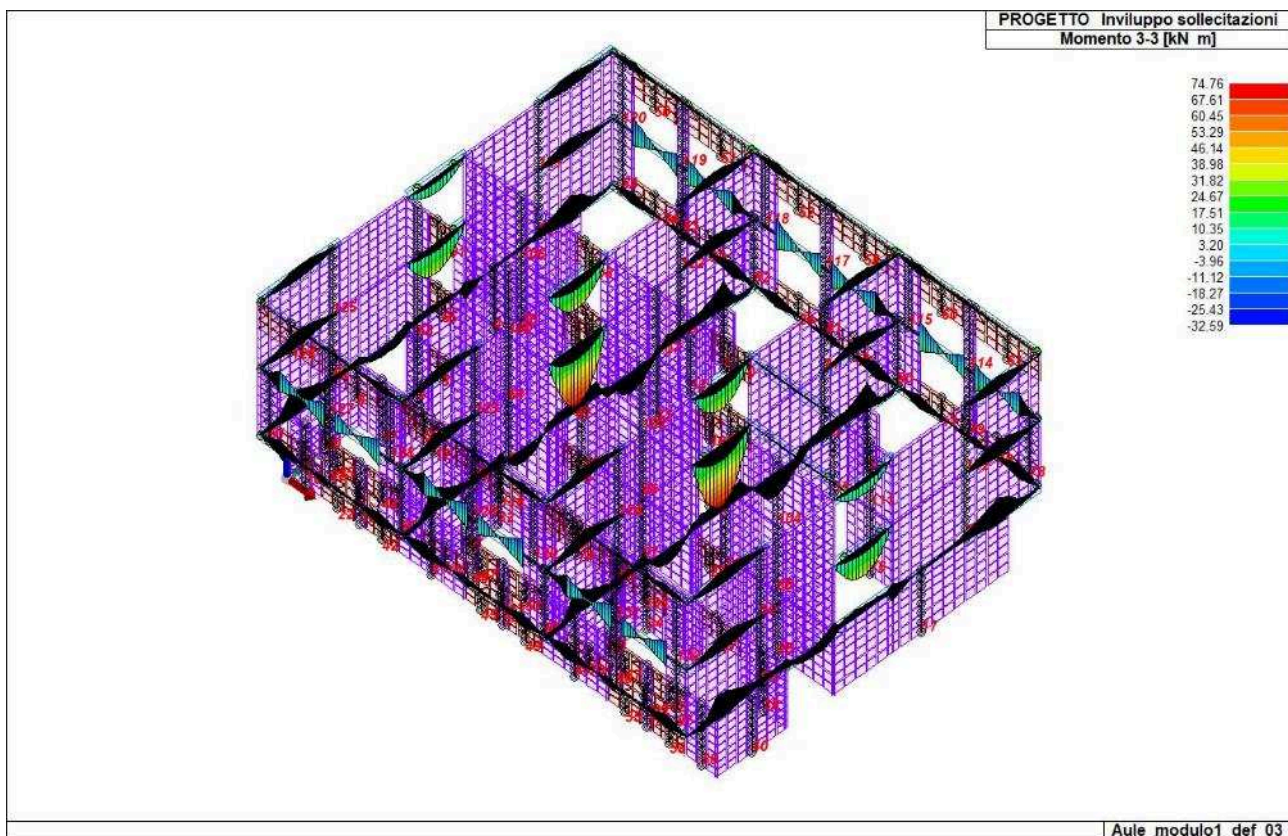


Figura 14: Involuppo momento flettente

Trave	Cmb	M3 mx/mn kN m	M2 mx/mn kN m	D 2 / D 3 m	Q 2 / Q 3 kN	Pos. cm	N kN	V 2 kN	V 3 kN	T kN m	M 2 kN m	M 3 kN m
1	4	3.37	-6.96e-03	-2.09e-04	-17.22	0.0	-1.19	2.73	-0.06	0.0	-6.96e-03	3.26
		-9.61e-03	-0.04	-4.73e-06	0.0	55.6	-1.19	-14.49	-0.06	0.0	-0.04	-9.61e-03
1	19	0.93	-6.35e-03	-1.55e-04	-4.83	0.0	-0.42	0.80	-0.02	0.0	-6.35e-03	0.90
		-4.22e-03	-0.02	-4.89e-06	0.0	55.6	-0.42	-4.04	-0.02	0.0	-0.02	-4.22e-03
1	28	3.57	-4.12e-03	-1.28e-04	-17.22	0.0	-1.51	2.32	-0.03	0.0	-4.12e-03	3.49
		-9.75e-03	-0.02	-1.67e-06	0.0	55.6	-1.51	-14.90	-0.03	0.0	-0.02	-9.75e-03
1	44	3.13	-3.10e-03	-8.90e-05	-14.32	0.0	-1.51	1.61	-0.01	0.0	-3.10e-03	3.08
		-8.87e-03	-0.01	0.0	0.0	55.6	-1.51	-12.72	-0.01	0.0	-0.01	-8.87e-03
1	45	1.28	7.04e-03	-2.16e-05	-4.83	0.0	-0.95	0.11	0.02	0.0	-1.60e-03	1.28
		-4.45e-03	-1.60e-03	0.0	0.0	55.6	-0.95	-4.72	0.02	0.0	7.04e-03	-4.45e-03
1	68	2.34	-5.23e-03	-1.50e-04	-11.83	0.0	-0.86	1.83	-0.04	0.0	-5.23e-03	2.26
		-6.87e-03	-0.03	-3.45e-06	0.0	55.6	-0.86	-10.00	-0.04	0.0	-0.03	-6.87e-03
1	72	1.09	-5.70e-03	-1.36e-04	-5.39	0.0	-0.52	0.79	-0.02	0.0	-5.70e-03	1.06
		-4.45e-03	-0.02	-4.04e-06	0.0	55.6	-0.52	-4.60	-0.02	0.0	-0.02	-4.45e-03
1	80	2.47	-3.33e-03	-9.60e-05	-11.83	0.0	-1.08	1.55	-0.02	0.0	-3.33e-03	2.42
		-6.96e-03	-0.02	-1.41e-06	0.0	55.6	-1.08	-10.27	-0.02	0.0	-0.02	-6.96e-03
1	85	1.32	1.31e-03	-4.62e-05	-5.39	0.0	-0.87	0.33	6.92e-03	0.0	-2.53e-03	1.31
		-4.60e-03	-2.53e-03	0.0	0.0	55.6	-0.87	-5.06	6.92e-03	0.0	1.31e-03	-4.60e-03
1	88	2.17	-2.65e-03	-6.97e-05	-9.90	0.0	-1.08	1.08	-9.24e-03	0.0	-2.65e-03	2.14
		-6.38e-03	-7.79e-03	0.0	0.0	55.6	-1.08	-8.81	-9.24e-03	0.0	-7.79e-03	-6.38e-03
1	98	2.00	-4.24e-03	-1.11e-04	-9.90	0.0	-0.85	1.45	-0.02	0.0	-4.24e-03	1.94
		-5.95e-03	-0.02	-2.34e-06	0.0	55.6	-0.85	-8.45	-0.02	0.0	-0.02	-5.95e-03
1	102	1.17	-4.66e-03	-1.00e-04	-5.39	0.0	-0.64	0.62	-9.05e-03	0.0	-4.66e-03	1.15
		-4.50e-03	-9.69e-03	-2.66e-06	0.0	55.6	-0.64	-4.78	-9.05e-03	0.0	-9.69e-03	-4.50e-03
1	103	1.86	-4.52e-03	-1.17e-04	-9.25	0.0	-0.80	1.37	-0.02	0.0	-4.52e-03	1.81
		-5.74e-03	-0.02	-2.68e-06	0.0	55.6	-0.80	-7.89	-0.02	0.0	-0.02	-5.74e-03
1	105	1.90	-3.89e-03	-9.88e-05	-9.25	0.0	-0.87	1.28	-0.02	0.0	-3.89e-03	1.86
		-5.77e-03	-0.01	-2.00e-06	0.0	55.6	-0.87	-7.98	-0.02	0.0	-0.01	-5.77e-03
1	106	1.19	-4.40e-03	-9.16e-05	-5.39	0.0	-0.67	0.57	-6.65e-03	0.0	-4.40e-03	1.18
		-4.51e-03	-8.10e-03	-2.31e-06	0.0	55.6	-0.67	-4.82	-6.65e-03	0.0	-8.10e-03	-4.51e-03
1	107	1.88	-4.26e-03	-1.08e-04	-9.25	0.0	-0.83	1.32	-0.02	0.0	-4.26e-03	1.83
		-5.75e-03	-0.02	-2.33e-06	0.0	55.6	-0.83	-7.93	-0.02	0.0	-0.02	-5.75e-03
1	112	2.06	-0.05	-6.79e-05	-9.25	0.0	1.92	0.95	-0.20	0.0	-0.05	2.03
		-0.01	-0.15	2.10e-04	0.0	55.6	1.92	-8.30	-0.20	0.0	-0.15	-0.01
1	113	2.77	-0.04	2.00e-04	-9.25	0.0	0.86	-0.39	-0.15	0.0	-0.04	2.77
		-0.01	-0.13	1.70e-04	0.0	55.6	0.86	-9.64	-0.15	0.0	-0.13	-0.01
1	115	1.71	0.12	-1.48e-04	-9.25	0.0	-3.58	1.70	0.16	0.0	0.04	1.63

		-4.66e-04	0.04	-2.14e-04	0.0	55.6	-3.58	-7.55	0.16	0.0	0.12	-4.66e-04
1	116	2.15	-0.05	-3.75e-04	-9.25	0.0	1.83	0.77	-0.21	0.0	-0.05	2.13
		-0.01	-0.16	1.82e-04	0.0	55.6	1.83	-8.49	-0.21	0.0	-0.16	-0.01
1	119	1.63	0.13	1.59e-04	-9.25	0.0	-3.49	1.88	0.17	0.0	0.04	1.53
		1.13e-03	0.04	-1.87e-04	0.0	55.6	-3.49	-7.37	0.17	0.0	0.13	1.13e-03
1	133	3.24	-2.63e-03	3.90e-04	-9.25	0.0	-1.93	-1.22	4.94e-03	0.0	-2.63e-03	3.24
		-0.01	-4.05e-03	-1.01e-05	0.0	55.6	-1.93	-10.47	4.94e-03	0.0	-4.05e-03	-0.01
1	144	2.08	-0.05	-6.31e-05	-9.25	0.0	2.27	0.90	-0.22	0.0	-0.05	2.06
		-0.01	-0.17	2.37e-04	0.0	55.6	2.27	-8.35	-0.22	0.0	-0.17	-0.01
1	145	2.89	-0.04	2.38e-04	-9.25	0.0	1.08	-0.60	-0.17	0.0	-0.04	2.89
		-0.01	-0.14	1.92e-04	0.0	55.6	1.08	-9.86	-0.17	0.0	-0.14	-0.01
1	147	1.69	0.14	-1.53e-04	-9.25	0.0	-3.93	1.75	0.18	0.0	0.04	1.60
		1.90e-04	0.04	-2.41e-04	0.0	55.6	-3.93	-7.51	0.18	0.0	0.14	1.90e-04
1	148	2.18	-0.05	-4.08e-04	-9.25	0.0	2.18	0.70	-0.23	0.0	-0.05	2.17
		-0.01	-0.18	2.06e-04	0.0	55.6	2.18	-8.55	-0.23	0.0	-0.18	-0.01
1	151	1.60	0.15	1.92e-04	-9.25	0.0	-3.83	1.95	0.19	0.0	0.05	1.49
		1.95e-03	0.05	-2.11e-04	0.0	55.6	-3.83	-7.30	0.19	0.0	0.15	1.95e-03
1	165	3.41	-2.37e-03	4.52e-04	-9.25	0.0	-2.07	-1.54	8.27e-03	0.0	-2.37e-03	3.41
		-0.01	-2.42e-03	-1.14e-05	0.0	55.6	-2.07	-10.79	8.27e-03	0.0	-2.42e-03	-0.01
1	177	2.85	-0.04	2.24e-04	-9.25	0.0	1.07	-0.53	-0.17	0.0	-0.04	2.85
		-0.01	-0.14	1.93e-04	0.0	55.6	1.07	-9.78	-0.17	0.0	-0.14	-0.01
1	180	2.17	-0.06	-3.94e-04	-9.25	0.0	2.24	0.73	-0.24	0.0	-0.06	2.15
		-0.01	-0.19	2.15e-04	0.0	55.6	2.24	-8.52	-0.24	0.0	-0.19	-0.01
1	183	1.61	0.16	1.78e-04	-9.25	0.0	-3.89	1.92	0.20	0.0	0.05	1.50
		1.35e-03	0.05	-2.19e-04	0.0	55.6	-3.89	-7.33	0.20	0.0	0.16	1.35e-03
1	184	2.04	-0.06	-4.37e-04	-9.25	0.0	2.34	0.98	-0.23	0.0	-0.06	2.02
		-0.01	-0.18	2.59e-04	0.0	55.6	2.34	-8.27	-0.23	0.0	-0.18	-0.01
1	187	1.73	0.15	2.21e-04	-9.25	0.0	-3.99	1.67	0.19	0.0	0.05	1.64
		-9.22e-04	0.05	-2.63e-04	0.0	55.6	-3.99	-7.58	0.19	0.0	0.15	-9.22e-04
1	197	3.39	-1.10e-03	4.43e-04	-9.25	0.0	-2.07	-1.49	9.52e-03	0.0	-2.05e-03	3.39
		-0.01	-2.05e-03	-1.31e-05	0.0	55.6	-2.07	-10.75	9.52e-03	0.0	-1.10e-03	-0.01
1	209	3.01	-0.05	2.73e-04	-9.25	0.0	1.41	-0.81	-0.20	0.0	-0.05	3.01
		-0.01	-0.16	2.27e-04	0.0	55.6	1.41	-10.06	-0.20	0.0	-0.16	-0.01
1	212	2.23	-0.07	-4.40e-04	-9.25	0.0	2.85	0.62	-0.29	0.0	-0.07	2.22
		-0.01	-0.22	2.60e-04	0.0	55.6	2.85	-8.64	-0.29	0.0	-0.22	-0.01
1	215	1.56	0.19	2.24e-04	-9.25	0.0	-4.50	2.03	0.25	0.0	0.06	1.44
		2.41e-03	0.06	-2.65e-04	0.0	55.6	-4.50	-7.22	0.25	0.0	0.19	2.41e-03
1	216	2.08	-0.07	-4.91e-04	-9.25	0.0	2.98	0.91	-0.28	0.0	-0.07	2.05
		-0.01	-0.22	3.14e-04	0.0	55.6	2.98	-8.34	-0.28	0.0	-0.22	-0.01
1	219	1.70	0.19	2.75e-04	-9.25	0.0	-4.63	1.74	0.24	0.0	0.06	1.61
		-2.19e-04	0.06	-3.18e-04	0.0	55.6	-4.63	-7.52	0.24	0.0	0.19	-2.19e-04
1	233	3.65	-2.45e-03	4.08e-04	-9.25	0.0	-2.25	-1.96	0.01	0.0	-3.20e-03	3.65
		-0.01	-3.20e-03	-7.00e-06	0.0	55.6	-2.25	-11.21	0.01	0.0	-2.45e-03	-0.01
2	16	1.68	-7.53e-03	-2.62e-04	-7.57	0.0	-2.49	5.66	-9.73e-04	0.0	-7.53e-03	0.51
		0.51	-8.07e-03	-4.82e-06	0.0	55.6	-2.49	-1.90	-9.73e-04	0.0	-8.07e-03	1.55
2	19	0.95	-5.86e-03	-1.98e-04	-4.83	0.0	-1.52	3.86	-8.70e-04	0.0	-5.86e-03	0.10
		0.10	-6.35e-03	-4.19e-06	0.0	55.6	-1.52	-0.98	-8.70e-04	0.0	-6.35e-03	0.90
2	28	4.22	-4.12e-03	-2.54e-04	-17.22	0.0	-4.85	10.46	2.33e-03	0.0	-5.41e-03	2.46
		2.46	-5.41e-03	-1.23e-06	0.0	55.6	-4.85	-6.76	2.33e-03	0.0	-4.12e-03	3.49
2	47	2.96	-1.37e-03	-1.34e-04	-11.59	0.0	-3.84	6.84	2.69e-03	0.0	-2.87e-03	1.84
		1.84	-2.87e-03	0.0	0.0	55.6	-3.84	-4.76	2.69e-03	0.0	-1.37e-03	2.42
2	72	1.15	-5.43e-03	-1.82e-04	-5.39	0.0	-1.82	4.03	-4.72e-04	0.0	-5.43e-03	0.31
		0.31	-5.70e-03	-3.41e-06	0.0	55.6	-1.82	-1.36	-4.72e-04	0.0	-5.70e-03	1.06
2	73	1.22	-5.60e-03	-1.89e-04	-5.39	0.0	-1.91	4.06	-6.62e-04	0.0	-5.60e-03	0.37
		0.37	-5.97e-03	-3.45e-06	0.0	55.6	-1.91	-1.33	-6.62e-04	0.0	-5.97e-03	1.13
2	80	2.91	-3.33e-03	-1.84e-04	-11.83	0.0	-3.48	7.26	1.54e-03	0.0	-4.19e-03	1.67
		1.67	-4.19e-03	-1.06e-06	0.0	55.6	-3.48	-4.57	1.54e-03	0.0	-3.33e-03	2.42
2	87	2.49	-2.38e-03	-1.40e-04	-9.90	0.0	-3.36	6.02	1.90e-03	0.0	-3.44e-03	1.48
		1.48	-3.44e-03	0.0	0.0	55.6	-3.36	-3.88	1.90e-03	0.0	-2.38e-03	2.07
2	98	2.30	-4.24e-03	-1.84e-04	-9.90	0.0	-2.82	6.30	8.16e-04	0.0	-4.70e-03	1.18
		1.18	-4.70e-03	-1.87e-06	0.0	55.6	-2.82	-3.59	8.16e-04	0.0	-4.24e-03	1.94
2	102	1.28	-4.66e-03	-1.47e-04	-5.39	0.0	-2.17	3.80	6.72e-05	0.0	-4.69e-03	0.54
		0.54	-4.69e-03	-2.14e-06	0.0	55.6	-2.17	-1.59	6.72e-05	0.0	-4.66e-03	1.15
2	103	2.12	-4.52e-03	-1.86e-04	-9.25	0.0	-2.65	6.00	5.93e-04	0.0	-4.85e-03	1.04
		1.04	-4.85e-03	-2.18e-06	0.0	55.6	-2.65	-3.26	5.93e-04	0.0	-4.52e-03	1.81
2	105	2.20	-3.89e-03	-1.69e-04	-9.25	0.0	-2.85	5.88	9.46e-04	0.0	-4.42e-03	1.16
		1.16	-4.42e-03	-1.57e-06	0.0	55.6	-2.85	-3.37	9.46e-04	0.0	-3.89e-03	1.86
2	106	1.31	-4.40e-03	-1.38e-04	-5.39	0.0	-2.26	3.75	2.02e-04	0.0	-4.51e-03	0.59
		0.59	-4.51e-03	-1.82e-06	0.0	55.6	-2.26	-1.65	2.02e-04	0.0	-4.40e-03	1.18
2	107	2.16	-4.26e-03	-1.78e-04	-9.25	0.0	-2.74	5.94	7.28e-04	0.0	-4.67e-03	1.10
		1.10	-4.67e-03	-1.87e-06	0.0	55.6	-2.74	-3.31	7.28e-04	0.0	-4.26e-03	1.83
2	112	2.37	-0.03	-1.48e-04	-9.25	0.0	6.37	5.52	-0.04	0.0	-0.03	1.33
		1.33	-0.05	2.14e-04	0.0	55.6	6.37	-3.74	-0.04	0.0	-0.05	2.03
2	115	1.95	0.04	-2.08e-04	-9.25	0.0	-11.85	6.36	0.04	0.0	0.02	0.87
		0.87	0.02	-2.18e-04	0.0	55.6	-11.85	-2.89	0.04	0.0	0.04	1.63

2	116	2.46	-0.03	-4.30e-04	-9.25	0.0	6.07	5.56	-0.03	0.0	-0.03	1.41
		1.41	-0.05	1.86e-04	0.0	55.6	6.07	-3.69	-0.03	0.0	-0.05	2.13
2	119	1.85	0.04	7.43e-05	-9.25	0.0	-11.56	6.31	0.03	0.0	0.02	0.79
		0.79	0.02	-1.90e-04	0.0	55.6	-11.56	-2.94	0.03	0.0	0.04	1.53
2	133	4.37	-2.63e-03	3.09e-04	-9.25	0.0	-6.36	2.96	3.36e-03	0.0	-3.93e-03	4.08
		3.24	-3.93e-03	-9.56e-06	0.0	55.6	-6.36	-6.29	3.36e-03	0.0	-2.63e-03	3.24
2	134	0.43	-5.41e-03	-6.64e-04	-9.25	0.0	0.88	8.92	-1.91e-03	0.0	-5.41e-03	-1.88
		-1.88	-5.90e-03	5.83e-06	0.0	55.6	0.88	-0.34	-1.91e-03	0.0	-5.90e-03	0.42
2	144	2.40	-0.03	-1.44e-04	-9.25	0.0	7.52	5.46	-0.04	0.0	-0.03	1.36
		1.36	-0.05	2.42e-04	0.0	55.6	7.52	-3.79	-0.04	0.0	-0.05	2.06
2	147	1.92	0.04	-2.11e-04	-9.25	0.0	-13.01	6.42	0.04	0.0	0.02	0.84
		0.84	0.02	-2.45e-04	0.0	55.6	-13.01	-2.84	0.04	0.0	0.04	1.60
2	148	2.50	-0.03	-4.60e-04	-9.25	0.0	7.22	5.52	-0.04	0.0	-0.03	1.44
		1.44	-0.05	2.11e-04	0.0	55.6	7.22	-3.73	-0.04	0.0	-0.05	2.17
2	151	1.82	0.05	1.05e-04	-9.25	0.0	-12.70	6.36	0.04	0.0	0.02	0.76
		0.76	0.02	-2.15e-04	0.0	55.6	-12.70	-2.90	0.04	0.0	0.05	1.49
2	165	4.68	-2.37e-03	3.70e-04	-9.25	0.0	-6.82	2.59	3.73e-03	0.0	-3.80e-03	4.46
		3.41	-3.80e-03	-1.09e-05	0.0	55.6	-6.82	-6.66	3.73e-03	0.0	-2.37e-03	3.41
2	166	0.24	-5.53e-03	-7.25e-04	-9.25	0.0	1.34	9.29	-2.27e-03	0.0	-5.53e-03	-2.26
		-2.26	-6.16e-03	7.15e-06	0.0	55.6	1.34	0.03	-2.27e-03	0.0	-6.16e-03	0.24
2	180	2.45	-0.03	-4.45e-04	-9.25	0.0	7.43	5.59	-0.04	0.0	-0.03	1.35
		1.35	-0.06	2.20e-04	0.0	55.6	7.43	-3.66	-0.04	0.0	-0.06	2.15
2	183	1.86	0.05	9.00e-05	-9.25	0.0	-12.91	6.29	0.04	0.0	0.02	0.85
		0.85	0.02	-2.23e-04	0.0	55.6	-12.91	-2.96	0.04	0.0	0.05	1.50
2	184	2.26	-0.03	-4.87e-04	-9.25	0.0	7.76	5.89	-0.05	0.0	-0.03	1.04
		1.04	-0.06	2.64e-04	0.0	55.6	7.76	-3.37	-0.05	0.0	-0.06	2.02
2	187	2.06	0.05	1.32e-04	-9.25	0.0	-13.25	5.99	0.05	0.0	0.02	1.16
		1.16	0.02	-2.68e-04	0.0	55.6	-13.25	-3.26	0.05	0.0	0.05	1.64
2	197	4.63	-2.05e-03	3.60e-04	-9.25	0.0	-6.84	2.66	3.85e-03	0.0	-3.59e-03	4.39
		3.39	-3.59e-03	-1.26e-05	0.0	55.6	-6.84	-6.60	3.85e-03	0.0	-2.05e-03	3.39
2	198	0.27	-5.75e-03	-7.16e-04	-9.25	0.0	1.36	9.22	-2.40e-03	0.0	-5.75e-03	-2.19
		-2.19	-6.48e-03	8.84e-06	0.0	55.6	1.36	-0.03	-2.40e-03	0.0	-6.48e-03	0.27
2	212	2.50	-0.04	-4.88e-04	-9.25	0.0	9.46	5.54	-0.04	0.0	-0.04	1.36
		1.36	-0.07	2.66e-04	0.0	55.6	9.46	-3.71	-0.04	0.0	-0.07	2.22
2	215	1.82	0.06	1.32e-04	-9.25	0.0	-14.94	6.34	0.05	0.0	0.03	0.84
		0.84	0.03	-2.70e-04	0.0	55.6	-14.94	-2.92	0.05	0.0	0.06	1.44
2	216	2.28	-0.04	-5.37e-04	-9.25	0.0	9.88	5.89	-0.05	0.0	-0.04	1.00
		1.00	-0.07	3.20e-04	0.0	55.6	9.88	-3.36	-0.05	0.0	-0.07	2.05
2	219	2.06	0.06	1.82e-04	-9.25	0.0	-15.37	5.99	0.06	0.0	0.03	1.20
		1.20	0.03	-3.24e-04	0.0	55.6	-15.37	-3.26	0.06	0.0	0.06	1.61
2	229	5.08	-1.42e-03	4.47e-04	-9.25	0.0	-7.57	2.13	4.50e-03	0.0	-3.24e-03	4.92
		3.64	-3.24e-03	-1.60e-05	0.0	55.6	-7.57	-7.12	4.50e-03	0.0	-1.42e-03	3.64
2	230	0.01	-6.10e-03	-8.03e-04	-9.25	0.0	2.09	9.75	-3.05e-03	0.0	-6.10e-03	-2.72
		-2.72	-7.11e-03	1.23e-05	0.0	55.6	2.09	0.50	-3.05e-03	0.0	-7.11e-03	0.01
3	4	1.94	-7.38e-03	-5.27e-04	-17.22	0.0	-7.26	26.79	0.04	0.0	-0.03	-8.16
		-8.16	-0.03	-3.18e-06	0.0	55.6	-7.26	9.57	0.04	0.0	-7.38e-03	1.94
3	19	0.10	-5.86e-03	-2.69e-04	-4.83	0.0	-2.67	10.31	0.03	0.0	-0.02	-4.29
		-4.29	-0.02	-3.55e-06	0.0	55.6	-2.67	5.47	0.03	0.0	-5.86e-03	0.10
3	28	2.46	-5.41e-03	-4.44e-04	-17.22	0.0	-8.65	25.52	0.04	0.0	-0.03	-6.93
		-6.93	-0.03	0.0	0.0	55.6	-8.65	8.30	0.04	0.0	-5.41e-03	2.46
3	45	0.96	-2.59e-03	-1.31e-04	-4.83	0.0	-4.98	8.19	0.01	0.0	-0.01	-2.25
		-2.25	-0.01	0.0	0.0	55.6	-4.98	3.35	0.01	0.0	-2.59e-03	0.96
3	68	1.32	-5.50e-03	-3.72e-04	-11.83	0.0	-5.25	18.71	0.03	0.0	-0.02	-5.79
		-5.79	-0.02	-2.29e-06	0.0	55.6	-5.25	6.88	0.03	0.0	-5.50e-03	1.32
3	72	0.31	-5.43e-03	-2.58e-04	-5.39	0.0	-3.16	10.67	0.02	0.0	-0.02	-4.12
		-4.12	-0.02	-2.81e-06	0.0	55.6	-3.16	5.27	0.02	0.0	-5.43e-03	0.31
3	80	1.67	-4.19e-03	-3.17e-04	-11.83	0.0	-6.17	17.86	0.03	0.0	-0.02	-4.97
		-4.97	-0.02	0.0	0.0	55.6	-6.17	6.04	0.03	0.0	-4.19e-03	1.67
3	85	0.89	-3.25e-03	-1.66e-04	-5.39	0.0	-4.70	9.25	0.02	0.0	-0.01	-2.76
		-2.76	-0.01	0.0	0.0	55.6	-4.70	3.86	0.02	0.0	-3.25e-03	0.89
3	98	1.18	-4.70e-03	-2.97e-04	-9.90	0.0	-4.99	15.50	0.03	0.0	-0.02	-4.68
		-4.68	-0.02	-1.36e-06	0.0	55.6	-4.99	5.61	0.03	0.0	-4.70e-03	1.18
3	102	0.54	-4.69e-03	-2.21e-04	-5.39	0.0	-3.71	10.10	0.02	0.0	-0.02	-3.58
		-3.58	-0.02	-1.62e-06	0.0	55.6	-3.71	4.71	0.02	0.0	-4.69e-03	0.54
3	103	1.04	-4.85e-03	-2.94e-04	-9.25	0.0	-4.69	14.85	0.03	0.0	-0.02	-4.64
		-4.64	-0.02	-1.65e-06	0.0	55.6	-4.69	5.60	0.03	0.0	-4.85e-03	1.04
3	104	0.65	-4.26e-03	-2.03e-04	-5.39	0.0	-4.02	9.82	0.02	0.0	-0.01	-3.31
		-3.31	-0.01	-1.06e-06	0.0	55.6	-4.02	4.43	0.02	0.0	-4.26e-03	0.65
3	105	1.16	-4.42e-03	-2.76e-04	-9.25	0.0	-5.00	14.57	0.02	0.0	-0.02	-4.37
		-4.37	-0.02	-1.09e-06	0.0	55.6	-5.00	5.32	0.02	0.0	-4.42e-03	1.16
3	106	0.59	-4.51e-03	-2.12e-04	-5.39	0.0	-3.85	9.96	0.02	0.0	-0.02	-3.44
		-3.44	-0.02	-1.32e-06	0.0	55.6	-3.85	4.57	0.02	0.0	-4.51e-03	0.59
3	107	1.10	-4.67e-03	-2.85e-04	-9.25	0.0	-4.83	14.71	0.02	0.0	-0.02	-4.50
		-4.50	-0.02	-1.36e-06	0.0	55.6	-4.83	5.46	0.02	0.0	-4.67e-03	1.10
3	112	1.33	-6.83e-03	-2.67e-04	-9.25	0.0	8.73	13.51	-0.03	0.0	-6.83e-03	-3.67

		-3.67	-0.03	2.16e-04	0.0	55.6	8.73	4.26	-0.03	0.0	-0.03	1.33
3	115	0.87	0.02	-3.03e-04	-9.25	0.0	-18.39	15.91	0.08	0.0	-0.03	-5.34
		-5.34	-0.03	-2.19e-04	0.0	55.6	-18.39	6.66	0.08	0.0	0.02	0.87
3	119	0.79	0.02	-2.79e-05	-9.25	0.0	-17.96	15.87	0.06	0.0	1.06e-03	-5.39
		-5.39	1.06e-03	-1.91e-04	0.0	55.6	-17.96	6.62	0.06	0.0	0.02	0.79
3	126	-1.00	-7.15e-03	-6.76e-04	-9.25	0.0	-0.87	21.60	0.08	0.0	-0.05	-10.40
		-10.40	-0.05	-1.22e-04	0.0	55.6	-0.87	12.35	0.08	0.0	-7.15e-03	-1.00
3	133	4.63	8.41e-03	2.39e-04	-9.25	0.0	-9.93	4.92	-0.04	0.0	8.41e-03	3.89
		3.89	-3.93e-03	-8.78e-06	0.0	55.6	-9.93	-4.33	-0.04	0.0	-3.93e-03	4.08
3	134	-1.88	-5.41e-03	-8.09e-04	-9.25	0.0	0.27	24.50	0.08	0.0	-0.05	-12.90
		-12.90	-0.05	6.06e-06	0.0	55.6	0.27	15.25	0.08	0.0	-5.41e-03	-1.88
3	144	1.36	-5.41e-03	-2.64e-04	-9.25	0.0	10.45	13.36	-0.03	0.0	-5.41e-03	-3.56
		-3.56	-0.03	2.44e-04	0.0	55.6	10.45	4.11	-0.03	0.0	-0.03	1.36
3	147	0.84	0.02	-3.05e-04	-9.25	0.0	-20.11	16.06	0.08	0.0	-0.03	-5.45
		-5.45	-0.03	-2.47e-04	0.0	55.6	-20.11	6.81	0.08	0.0	0.02	0.84
3	151	0.76	0.02	-8.31e-06	-9.25	0.0	-19.67	15.99	0.06	0.0	3.30e-03	-5.48
		-5.48	3.30e-03	-2.16e-04	0.0	55.6	-19.67	6.74	0.06	0.0	0.02	0.76
3	158	-1.26	-7.46e-03	-7.24e-04	-9.25	0.0	-0.39	22.46	0.09	0.0	-0.05	-11.14
		-11.14	-0.05	-1.38e-04	0.0	55.6	-0.39	13.20	0.09	0.0	-7.46e-03	-1.26
3	165	5.36	0.01	3.04e-04	-9.25	0.0	-10.58	3.70	-0.04	0.0	0.01	4.94
		4.46	-3.80e-03	-1.01e-05	0.0	55.6	-10.58	-5.55	-0.04	0.0	-3.80e-03	4.46
3	166	-2.26	-5.53e-03	-8.74e-04	-9.25	0.0	0.92	25.72	0.09	0.0	-0.05	-13.94
		-13.94	-0.05	7.36e-06	0.0	55.6	0.92	16.46	0.09	0.0	-5.53e-03	-2.26
3	183	0.85	0.02	-1.82e-05	-9.25	0.0	-19.99	15.72	0.06	0.0	1.97e-03	-5.21
		-5.21	1.97e-03	-2.25e-04	0.0	55.6	-19.99	6.47	0.06	0.0	0.02	0.85
3	184	1.04	-0.03	-6.04e-04	-9.25	0.0	10.80	14.68	-0.01	0.0	-0.04	-4.64
		-4.64	-0.04	2.67e-04	0.0	55.6	10.80	5.43	-0.01	0.0	-0.03	1.04
3	187	1.16	0.02	3.46e-05	-9.25	0.0	-20.46	14.74	0.06	0.0	1.09e-03	-4.37
		-4.37	1.09e-03	-2.70e-04	0.0	55.6	-20.46	5.48	0.06	0.0	0.02	1.16
3	190	-1.18	-7.41e-03	-7.09e-04	-9.25	0.0	-0.60	22.21	0.09	0.0	-0.05	-10.92
		-10.92	-0.05	-1.41e-04	0.0	55.6	-0.60	12.96	0.09	0.0	-7.41e-03	-1.18
3	197	5.22	0.01	2.94e-04	-9.25	0.0	-10.61	3.94	-0.04	0.0	0.01	4.74
		4.39	-3.59e-03	-1.18e-05	0.0	55.6	-10.61	-5.32	-0.04	0.0	-3.59e-03	4.39
3	198	-2.19	-5.75e-03	-8.63e-04	-9.25	0.0	0.95	25.48	0.09	0.0	-0.05	-13.75
		-13.75	-0.05	9.10e-06	0.0	55.6	0.95	16.23	0.09	0.0	-5.75e-03	-2.19
3	215	0.84	0.03	3.02e-05	-9.25	0.0	-23.02	15.81	0.07	0.0	5.36e-03	-5.25
		-5.25	5.36e-03	-2.72e-04	0.0	55.6	-23.02	6.56	0.07	0.0	0.03	0.84
3	216	1.00	-0.04	-6.55e-04	-9.25	0.0	13.96	14.75	-0.02	0.0	-0.04	-4.75
		-4.75	-0.04	3.24e-04	0.0	55.6	13.96	5.50	-0.02	0.0	-0.04	1.00
3	219	1.20	0.03	8.50e-05	-9.25	0.0	-23.62	14.67	0.07	0.0	4.34e-03	-4.26
		-4.26	4.34e-03	-3.27e-04	0.0	55.6	-23.62	5.41	0.07	0.0	0.03	1.20
3	222	-1.53	-7.88e-03	-7.74e-04	-9.25	0.0	0.01	23.39	0.10	0.0	-0.06	-11.92
		-11.92	-0.06	-1.68e-04	0.0	55.6	0.01	14.14	0.10	0.0	-7.88e-03	-1.53
3	229	6.38	0.02	3.87e-04	-9.25	0.0	-11.65	2.21	-0.05	0.0	0.02	6.22
		4.92	-3.24e-03	-1.52e-05	0.0	55.6	-11.65	-7.04	-0.05	0.0	-3.24e-03	4.92
3	230	-2.72	-6.10e-03	-9.56e-04	-9.25	0.0	1.99	27.21	0.10	0.0	-0.05	-15.23
		-15.23	-0.05	1.25e-05	0.0	55.6	1.99	17.96	0.10	0.0	-6.10e-03	-2.72
4	4	-8.02	-6.50e-03	-3.61e-04	-17.44	0.0	-3.83	14.61	-0.04	5.87e-03	-6.50e-03	-11.67
		-11.67	-0.03	0.0	0.0	59.6	-3.83	-2.82	-0.04	5.87e-03	-0.03	-8.16
4	18	-7.71	-5.74e-03	-3.50e-04	-14.33	0.0	-3.10	12.76	-0.04	9.46e-03	-5.74e-03	-11.10
		-11.10	-0.03	0.0	0.0	59.6	-3.10	-1.57	-0.04	9.46e-03	-0.03	-7.76
4	19	-4.29	-2.65e-03	-1.95e-04	-4.63	0.0	-1.13	5.16	-0.03	9.45e-03	-2.65e-03	-5.98
		-5.98	-0.02	-1.06e-06	0.0	59.6	-1.13	0.53	-0.03	9.45e-03	-0.02	-4.29
4	28	-6.65	-8.25e-03	-2.84e-04	-17.44	0.0	-4.85	13.37	-0.03	-0.01	-8.25e-03	-9.71
		-9.71	-0.02	2.11e-06	0.0	59.6	-4.85	-4.07	-0.03	-0.01	-0.02	-6.93
4	45	-2.10	-5.56e-03	-6.67e-05	-4.63	0.0	-2.84	3.09	-7.53e-03	-0.02	-5.56e-03	-2.71
		-2.71	-7.84e-03	1.38e-06	0.0	59.6	-2.84	-1.55	-7.53e-03	-0.02	-7.84e-03	-2.25
4	68	-5.70	-4.64e-03	-2.54e-04	-12.00	0.0	-2.74	10.09	-0.03	4.01e-03	-4.64e-03	-8.23
		-8.23	-0.02	0.0	0.0	59.6	-2.74	-1.90	-0.03	4.01e-03	-0.02	-5.79
4	72	-4.12	-2.85e-03	-1.81e-04	-5.09	0.0	-1.46	5.19	-0.02	6.51e-03	-2.85e-03	-5.69
		-5.69	-0.02	0.0	0.0	59.6	-1.46	0.10	-0.02	6.51e-03	-0.02	-4.12
4	75	-5.49	-4.13e-03	-2.46e-04	-9.93	0.0	-2.26	8.86	-0.03	6.40e-03	-4.13e-03	-7.85
		-7.85	-0.02	0.0	0.0	59.6	-2.26	-1.07	-0.03	6.40e-03	-0.02	-5.53
4	80	-4.79	-5.80e-03	-2.03e-04	-12.00	0.0	-3.43	9.26	-0.02	-6.62e-03	-5.80e-03	-6.92
		-6.92	-0.02	1.44e-06	0.0	59.6	-3.43	-2.73	-0.02	-6.62e-03	-0.02	-4.97
4	85	-2.66	-4.79e-03	-9.59e-05	-5.09	0.0	-2.60	3.81	-0.01	-0.01	-4.79e-03	-3.51
		-3.51	-0.01	1.10e-06	0.0	59.6	-2.60	-1.29	-0.01	-0.01	-0.01	-2.76
4	98	-4.57	-4.05e-03	-1.97e-04	-9.93	0.0	-2.62	8.04	-0.02	5.34e-04	-4.05e-03	-6.51
		-6.51	-0.02	0.0	0.0	59.6	-2.62	-1.89	-0.02	5.34e-04	-0.02	-4.68
4	102	-3.57	-2.95e-03	-1.47e-04	-5.09	0.0	-1.83	4.64	-0.02	1.82e-03	-2.95e-03	-4.83
		-4.83	-0.02	0.0	0.0	59.6	-1.83	-0.45	-0.02	1.82e-03	-0.02	-3.58
4	103	-4.56	-3.87e-03	-1.97e-04	-9.24	0.0	-2.43	7.67	-0.02	1.72e-03	-3.87e-03	-6.46
		-6.46	-0.02	0.0	0.0	59.6	-2.43	-1.57	-0.02	1.72e-03	-0.02	-4.64
4	104	-3.28	-3.34e-03	-1.30e-04	-5.09	0.0	-2.06	4.37	-0.02	-1.73e-03	-3.34e-03	-4.39
		-4.39	-0.01	0.0	0.0	59.6	-2.06	-0.73	-0.02	-1.73e-03	-0.01	-3.31

4	105	-4.26	-4.26e-03	-1.80e-04	-9.24	0.0	-2.66	7.39	-0.02	-1.82e-03	-4.26e-03	-6.02
		-6.02	-0.02	0.0	0.0	59.6	-2.66	-1.84	-0.02	-1.82e-03	-0.02	-4.37
4	106	-3.42	-2.98e-03	-1.39e-04	-5.09	0.0	-1.92	4.51	-0.02	6.45e-04	-2.98e-03	-4.61
		-4.61	-0.01	0.0	0.0	59.6	-1.92	-0.59	-0.02	6.45e-04	-0.01	-3.44
4	107	-4.41	-3.89e-03	-1.88e-04	-9.24	0.0	-2.52	7.53	-0.02	5.50e-04	-3.89e-03	-6.24
		-6.24	-0.02	0.0	0.0	59.6	-2.52	-1.70	-0.02	5.50e-04	-0.02	-4.50
4	112	-3.53	0.01	-1.17e-04	-9.24	0.0	1.08	14.91	0.01	-0.02	3.81e-03	-5.19
		-5.19	3.81e-03	2.30e-04	0.0	59.6	1.08	5.68	0.01	-0.02	0.01	-3.67
4	113	1.86	0.02	1.27e-04	-9.24	0.0	-0.25	11.09	0.02	-0.03	0.01	1.46
		0.82	0.01	1.88e-04	0.0	59.6	-0.25	1.86	0.02	-0.03	0.02	0.82
4	114	-9.82	-0.02	-5.04e-04	-9.24	0.0	-4.79	3.97	-0.07	0.03	-0.02	-13.94
		-13.94	-0.06	-1.86e-04	0.0	59.6	-4.79	-5.26	-0.07	0.03	-0.06	-9.82
4	115	-5.28	-0.01	-2.59e-04	-9.24	0.0	-6.13	0.15	-0.06	0.02	-0.01	-7.30
		-7.30	-0.05	-2.28e-04	0.0	59.6	-6.13	-9.08	-0.06	0.02	-0.05	-5.34
4	133	6.17	0.01	2.77e-04	-9.24	0.0	-3.86	2.81	7.95e-03	-0.02	0.01	6.15
		3.89	0.01	-6.22e-06	0.0	59.6	-3.86	-6.43	7.95e-03	-0.02	0.01	3.89
4	134	-12.90	-0.02	-6.54e-04	-9.24	0.0	-1.18	12.26	-0.05	0.02	-0.02	-18.63
		-18.63	-0.05	7.78e-06	0.0	59.6	-1.18	3.02	-0.05	0.02	-0.05	-12.90
4	144	-3.42	0.02	-1.08e-04	-9.24	0.0	1.54	15.85	0.02	-0.02	4.78e-03	-5.06
		-5.06	4.78e-03	2.59e-04	0.0	59.6	1.54	6.61	0.02	-0.02	0.02	-3.56
4	145	2.72	0.03	1.67e-04	-9.24	0.0	0.04	11.54	0.03	-0.03	0.01	2.42
		1.48	0.01	2.12e-04	0.0	59.6	0.04	2.31	0.03	-0.03	0.03	1.48
4	146	-10.49	-0.02	-5.44e-04	-9.24	0.0	-5.08	3.52	-0.08	0.03	-0.02	-14.91
		-14.91	-0.06	-2.10e-04	0.0	59.6	-5.08	-5.71	-0.08	0.03	-0.06	-10.49
4	147	-5.39	-0.01	-2.68e-04	-9.24	0.0	-6.58	-0.78	-0.06	0.02	-0.01	-7.43
		-7.43	-0.05	-2.57e-04	0.0	59.6	-6.58	-10.02	-0.06	0.02	-0.05	-5.45
4	165	7.70	0.02	3.36e-04	-9.24	0.0	-4.03	2.21	0.01	-0.02	0.01	7.70
		4.94	0.01	-7.51e-06	0.0	59.6	-4.03	-7.03	0.01	-0.02	0.02	4.94
4	166	-13.94	-0.02	-7.12e-04	-9.24	0.0	-1.01	12.86	-0.06	0.02	-0.02	-20.18
		-20.18	-0.05	9.07e-06	0.0	59.6	-1.01	3.62	-0.06	0.02	-0.05	-13.94
4	177	2.41	0.03	1.58e-04	-9.24	0.0	0.04	11.52	0.03	-0.03	0.01	2.08
		1.23	0.01	2.12e-04	0.0	59.6	0.04	2.28	0.03	-0.03	0.03	1.23
4	178	-10.23	-0.02	-5.34e-04	-9.24	0.0	-5.08	3.54	-0.08	0.03	-0.02	-14.57
		-14.57	-0.06	-2.11e-04	0.0	59.6	-5.08	-5.69	-0.08	0.03	-0.06	-10.23
4	184	-4.24	5.20e-03	-5.49e-04	-9.24	0.0	1.62	16.20	9.33e-03	-0.02	2.98e-05	-5.30
		-5.30	2.98e-05	2.86e-04	0.0	59.6	1.62	6.96	9.33e-03	-0.02	5.20e-03	-4.64
4	187	-4.37	-7.81e-03	1.72e-04	-9.24	0.0	-6.67	-1.13	-0.05	0.02	-7.81e-03	-7.18
		-7.18	-0.04	-2.85e-04	0.0	59.6	-6.67	-10.37	-0.05	0.02	-0.04	-4.37
4	201	7.49	0.01	1.99e-04	-9.24	0.0	-4.01	2.32	8.83e-03	-0.02	0.01	7.49
		4.47	0.01	-2.01e-06	0.0	59.6	-4.01	-6.91	8.83e-03	-0.02	0.01	4.47
4	202	-13.48	-0.02	-5.76e-04	-9.24	0.0	-1.03	12.74	-0.05	0.02	-0.02	-19.97
		-19.97	-0.05	3.57e-06	0.0	59.6	-1.03	3.50	-0.05	0.02	-0.05	-13.48
4	209	3.54	0.04	2.13e-04	-9.24	0.0	0.48	12.21	0.04	-0.04	0.01	3.33
		2.08	0.01	2.50e-04	0.0	59.6	0.48	2.98	0.04	-0.04	0.04	2.08
4	210	-11.08	-0.02	-5.89e-04	-9.24	0.0	-5.53	2.85	-0.08	0.04	-0.02	-15.82
		-15.82	-0.07	-2.48e-04	0.0	59.6	-5.53	-6.39	-0.08	0.04	-0.07	-11.08
4	216	-4.24	0.01	-6.14e-04	-9.24	0.0	2.46	17.91	0.02	-0.02	8.80e-04	-5.13
		-5.13	8.80e-04	3.46e-04	0.0	59.6	2.46	8.67	0.02	-0.02	0.01	-4.75
4	219	-4.26	-8.67e-03	2.37e-04	-9.24	0.0	-7.50	-2.84	-0.06	0.02	-8.67e-03	-7.35
		-7.35	-0.04	-3.45e-04	0.0	59.6	-7.50	-12.08	-0.06	0.02	-0.04	-4.26
4	233	9.76	0.02	2.63e-04	-9.24	0.0	-4.25	1.49	0.01	-0.02	0.01	9.76
		5.91	0.01	-1.78e-06	0.0	59.6	-4.25	-7.74	0.01	-0.02	0.02	5.91
4	234	-14.91	-0.02	-6.39e-04	-9.24	0.0	-0.79	13.57	-0.06	0.02	-0.02	-22.24
		-22.24	-0.05	3.34e-06	0.0	59.6	-0.79	4.34	-0.06	0.02	-0.05	-14.91
5	4	-9.14	-3.13e-03	-1.65e-04	-17.44	0.0	-2.68	5.27	-4.30e-03	5.66e-03	-3.13e-03	-9.62
		-11.67	-6.31e-03	1.73e-06	0.0	59.6	-2.68	-12.16	-4.30e-03	5.66e-03	-6.31e-03	-11.67
5	19	-4.82	-9.46e-04	-9.11e-05	-4.63	0.0	-0.55	0.37	-1.86e-04	9.95e-03	-9.46e-04	-4.82
		-5.98	-2.19e-03	0.0	0.0	59.6	-0.55	-4.26	-1.86e-04	9.95e-03	-2.19e-03	-5.98
5	44	-6.01	-5.45e-03	-9.98e-05	-14.33	0.0	-4.08	4.98	-0.01	-0.02	-5.45e-03	-6.52
		-7.82	-9.77e-03	2.54e-06	0.0	59.6	-4.08	-9.35	-0.01	-0.02	-9.77e-03	-7.82
5	45	-2.10	-3.84e-03	-3.02e-05	-4.63	0.0	-2.62	1.54	-8.56e-03	-0.02	-3.84e-03	-2.25
		-2.71	-6.63e-03	1.28e-06	0.0	59.6	-2.62	-3.09	-8.56e-03	-0.02	-6.63e-03	-2.71
5	68	-6.46	-2.25e-03	-1.16e-04	-12.00	0.0	-1.94	3.56	-3.11e-03	3.80e-03	-2.25e-03	-6.77
		-8.23	-4.51e-03	1.22e-06	0.0	59.6	-1.94	-8.44	-3.11e-03	3.80e-03	-4.51e-03	-8.23
5	72	-4.58	-1.21e-03	-8.45e-05	-5.09	0.0	-0.91	0.73	-1.01e-03	6.65e-03	-1.21e-03	-4.61
		-5.69	-2.56e-03	0.0	0.0	59.6	-0.91	-4.37	-1.01e-03	6.65e-03	-2.56e-03	-5.69
5	85	-2.76	-3.14e-03	-4.38e-05	-5.09	0.0	-2.29	1.51	-6.59e-03	-0.01	-3.14e-03	-2.89
		-3.51	-5.52e-03	1.17e-06	0.0	59.6	-2.29	-3.59	-6.59e-03	-0.01	-5.52e-03	-3.51
5	88	-4.37	-3.80e-03	-7.28e-05	-9.93	0.0	-2.87	3.36	-7.72e-03	-0.01	-3.80e-03	-4.71
		-5.66	-6.82e-03	1.77e-06	0.0	59.6	-2.87	-6.57	-7.72e-03	-0.01	-6.82e-03	-5.66
5	98	-5.09	-2.13e-03	-8.99e-05	-9.93	0.0	-1.99	3.03	-3.37e-03	-6.72e-05	-2.13e-03	-5.36
		-6.51	-4.11e-03	1.35e-06	0.0	59.6	-1.99	-6.89	-3.37e-03	-6.72e-05	-4.11e-03	-6.51
5	102	-3.86	-1.51e-03	-6.84e-05	-5.09	0.0	-1.37	1.04	-2.14e-03	1.40e-03	-1.51e-03	-3.93
		-4.83	-2.93e-03	0.0	0.0	59.6	-1.37	-4.06	-2.14e-03	1.40e-03	-2.93e-03	-4.83
5	104	-3.50	-1.89e-03	-6.02e-05	-5.09	0.0	-1.64	1.19	-3.25e-03	-2.56e-03	-1.89e-03	-3.58

		-4.39	-3.52e-03	0.0	0.0	59.6	-1.64	-3.90	-3.25e-03	-2.56e-03	-3.52e-03	-4.39
5	105	-4.70	-2.37e-03	-8.22e-05	-9.24	0.0	-2.08	2.84	-4.07e-03	-2.69e-03	-2.37e-03	-4.96
		-6.02	-4.45e-03	1.35e-06	0.0	59.6	-2.08	-6.40	-4.07e-03	-2.69e-03	-4.45e-03	-6.02
5	106	-3.69	-1.58e-03	-6.43e-05	-5.09	0.0	-1.48	1.11	-2.42e-03	9.18e-05	-1.58e-03	-3.76
		-4.61	-3.02e-03	0.0	0.0	59.6	-1.48	-3.98	-2.42e-03	9.18e-05	-3.02e-03	-4.61
5	107	-4.89	-2.05e-03	-8.63e-05	-9.24	0.0	-1.92	2.76	-3.23e-03	-4.45e-05	-2.05e-03	-5.13
		-6.24	-3.95e-03	1.28e-06	0.0	59.6	-1.92	-6.48	-3.23e-03	-4.45e-05	-3.95e-03	-6.24
5	120	-5.21	-7.02e-03	-2.16e-04	-9.24	0.0	1.17	2.87	-9.78e-03	-0.01	-7.02e-03	-10.98
		-10.98	-0.01	2.42e-04	0.0	59.6	1.17	-6.36	-9.78e-03	-0.01	-0.01	-5.21
5	123	0.71	4.03e-03	4.38e-05	-9.24	0.0	-5.00	2.65	3.32e-03	0.01	2.91e-03	0.71
		-7.27	2.91e-03	-2.40e-04	0.0	59.6	-5.00	-6.59	3.32e-03	0.01	4.03e-03	-7.27
5	125	3.42	9.54e-03	6.29e-05	-9.24	0.0	-2.75	6.99	5.34e-03	-0.02	4.71e-03	1.89
		1.89	4.71e-03	1.28e-04	0.0	59.6	-2.75	-2.24	5.34e-03	-0.02	9.54e-03	3.25
5	126	-12.15	-8.82e-03	-2.35e-04	-9.24	0.0	-1.08	-1.48	-0.01	0.01	-8.82e-03	-12.15
		-15.73	-0.02	-1.26e-04	0.0	59.6	-1.08	-10.71	-0.01	0.01	-0.02	-15.73
5	133	6.17	7.46e-03	9.85e-05	-9.24	0.0	-3.22	8.54	1.02e-03	-0.02	5.21e-03	3.86
		3.86	5.21e-03	-4.95e-06	0.0	59.6	-3.22	-0.69	1.02e-03	-0.02	7.46e-03	6.15
5	134	-14.13	-9.32e-03	-2.71e-04	-9.24	0.0	-0.61	-3.02	-7.49e-03	0.02	-9.32e-03	-14.13
		-18.63	-0.02	7.51e-06	0.0	59.6	-0.61	-12.26	-7.49e-03	0.02	-0.02	-18.63
5	152	-5.10	-7.61e-03	-2.33e-04	-9.24	0.0	1.57	2.87	-0.01	-0.01	-7.61e-03	-11.70
		-11.70	-0.01	2.74e-04	0.0	59.6	1.57	-6.37	-0.01	-0.01	-0.01	-5.10
5	155	1.44	4.96e-03	6.02e-05	-9.24	0.0	-5.41	2.65	4.07e-03	0.01	3.51e-03	1.44
		-7.38	3.51e-03	-2.72e-04	0.0	59.6	-5.41	-6.59	4.07e-03	0.01	4.96e-03	-7.38
5	157	4.53	0.01	8.14e-05	-9.24	0.0	-2.85	7.52	6.41e-03	-0.02	5.55e-03	2.75
		2.75	5.55e-03	1.45e-04	0.0	59.6	-2.85	-1.72	6.41e-03	-0.02	0.01	4.43
5	158	-13.02	-9.66e-03	-2.54e-04	-9.24	0.0	-0.98	-2.00	-0.01	0.02	-9.66e-03	-13.02
		-16.91	-0.02	-1.42e-04	0.0	59.6	-0.98	-11.24	-0.01	0.02	-0.02	-16.91
5	165	7.70	8.87e-03	1.22e-04	-9.24	0.0	-3.38	9.26	1.55e-03	-0.02	6.12e-03	4.99
		4.99	6.12e-03	-6.15e-06	0.0	59.6	-3.38	0.03	1.55e-03	-0.02	8.87e-03	7.70
5	166	-15.26	-0.01	-2.94e-04	-9.24	0.0	-0.45	-3.75	-8.01e-03	0.02	-0.01	-15.26
		-20.18	-0.02	8.71e-06	0.0	59.6	-0.45	-12.98	-8.01e-03	0.02	-0.02	-20.18
5	184	-5.30	-7.40e-03	-2.31e-04	-9.24	0.0	1.64	2.70	-9.98e-03	-0.01	-7.40e-03	-11.55
		-11.55	-0.01	2.85e-04	0.0	59.6	1.64	-6.54	-9.98e-03	-0.01	-0.01	-5.30
5	187	1.29	4.50e-03	5.89e-05	-9.24	0.0	-5.48	2.82	3.52e-03	0.01	3.29e-03	1.29
		-7.18	3.29e-03	-2.83e-04	0.0	59.6	-5.48	-6.41	3.52e-03	0.01	4.50e-03	-7.18
5	189	4.21	0.01	7.67e-05	-9.24	0.0	-2.80	7.36	6.31e-03	-0.02	5.36e-03	2.51
		2.51	5.36e-03	1.48e-04	0.0	59.6	-2.80	-1.88	6.31e-03	-0.02	0.01	4.08
5	190	-12.78	-9.47e-03	-2.49e-04	-9.24	0.0	-1.03	-1.84	-0.01	0.02	-9.47e-03	-12.78
		-16.56	-0.02	-1.45e-04	0.0	59.6	-1.03	-11.07	-0.01	0.02	-0.02	-16.56
5	201	7.49	4.45e-03	6.66e-05	-9.24	0.0	-3.36	9.04	1.67e-03	-0.02	3.24e-03	2.64
		2.64	3.24e-03	0.0	0.0	59.6	-3.36	-0.19	1.67e-03	-0.02	4.45e-03	7.49
5	202	-12.90	-7.35e-03	-2.39e-04	-9.24	0.0	-0.48	-3.53	-8.13e-03	0.02	-7.35e-03	-12.90
		-19.97	-0.01	2.98e-06	0.0	59.6	-0.48	-12.76	-8.13e-03	0.02	-0.01	-19.97
5	216	-5.13	-8.33e-03	-2.58e-04	-9.24	0.0	2.35	2.64	-0.01	-0.01	-8.33e-03	-12.66
		-12.66	-0.01	3.45e-04	0.0	59.6	2.35	-6.60	-0.01	-0.01	-0.01	-5.13
5	219	2.40	5.96e-03	8.51e-05	-9.24	0.0	-6.18	2.88	4.61e-03	0.01	4.22e-03	2.40
		-7.35	4.22e-03	-3.43e-04	0.0	59.6	-6.18	-6.36	4.61e-03	0.01	5.96e-03	-7.35
5	221	5.73	0.01	1.02e-04	-9.24	0.0	-2.93	8.06	7.86e-03	-0.02	6.58e-03	3.69
		3.69	6.58e-03	1.76e-04	0.0	59.6	-2.93	-1.17	7.86e-03	-0.02	0.01	5.67
5	222	-13.96	-0.01	-2.75e-04	-9.24	0.0	-0.90	-2.54	-0.01	0.02	-0.01	-13.96
		-18.15	-0.02	-1.74e-04	0.0	59.6	-0.90	-11.78	-0.01	0.02	-0.02	-18.15
5	233	9.76	5.76e-03	9.15e-05	-9.24	0.0	-3.59	10.06	2.42e-03	-0.02	4.07e-03	3.92
		3.92	4.07e-03	0.0	0.0	59.6	-3.59	0.82	2.42e-03	-0.02	5.76e-03	9.76
5	234	-14.18	-8.18e-03	-2.64e-04	-9.24	0.0	-0.25	-4.54	-8.88e-03	0.02	-8.18e-03	-14.18
		-22.24	-0.01	2.62e-06	0.0	59.6	-0.25	-13.78	-8.88e-03	0.02	-0.01	-22.24
6	4	-6.94	-2.85e-03	-8.98e-05	-17.44	0.0	-2.31	4.91	2.03e-03	4.56e-03	-3.47e-03	-7.34
		-9.62	-3.47e-03	2.27e-06	0.0	59.6	-2.31	-12.53	2.03e-03	4.56e-03	-2.85e-03	-9.62
6	19	-3.56	-4.14e-04	-5.04e-05	-4.63	0.0	-0.39	0.19	4.52e-03	8.47e-03	-2.04e-03	-3.56
		-4.82	-2.04e-03	0.0	0.0	59.6	-0.39	-4.44	4.52e-03	8.47e-03	-4.14e-04	-4.82
6	44	-4.65	-3.59e-03	-5.37e-05	-14.33	0.0	-3.78	4.86	-8.67e-03	-0.02	-3.59e-03	-5.14
		-6.52	-6.56e-03	2.72e-06	0.0	59.6	-3.78	-9.48	-8.67e-03	-0.02	-6.56e-03	-6.52
6	45	-1.66	-2.26e-03	-1.62e-05	-4.63	0.0	-2.49	1.60	-8.11e-03	-0.02	-2.26e-03	-1.82
		-2.25	-4.93e-03	1.25e-06	0.0	59.6	-2.49	-3.03	-8.11e-03	-0.02	-4.93e-03	-2.25
6	68	-4.90	-2.06e-03	-6.34e-05	-12.00	0.0	-1.67	3.31	1.41e-03	3.03e-03	-2.51e-03	-5.17
		-6.77	-2.51e-03	1.60e-06	0.0	59.6	-1.67	-8.69	1.41e-03	3.03e-03	-2.06e-03	-6.77
6	72	-3.41	-8.54e-04	-4.66e-05	-5.09	0.0	-0.74	0.58	3.07e-03	5.56e-03	-1.98e-03	-3.43
		-4.61	-1.98e-03	0.0	0.0	59.6	-0.74	-4.52	3.07e-03	5.56e-03	-8.54e-04	-4.61
6	85	-2.14	-2.12e-03	-2.37e-05	-5.09	0.0	-2.14	1.52	-5.34e-03	-0.01	-2.12e-03	-2.28
		-2.89	-3.87e-03	1.23e-06	0.0	59.6	-2.14	-3.58	-5.34e-03	-0.01	-3.87e-03	-2.89
6	88	-3.38	-2.59e-03	-3.92e-05	-9.93	0.0	-2.65	3.28	-5.72e-03	-0.01	-2.59e-03	-3.70
		-4.71	-4.54e-03	1.90e-06	0.0	59.6	-2.65	-6.65	-5.72e-03	-0.01	-4.54e-03	-4.71
6	98	-3.87	-2.11e-03	-4.89e-05	-9.93	0.0	-1.76	2.88	-1.08e-04	-3.65e-04	-2.11e-03	-4.12
		-5.36	-2.15e-03	1.62e-06	0.0	59.6	-1.76	-7.05	-1.08e-04	-3.65e-04	-2.15e-03	-5.36
6	102	-2.92	-1.44e-03	-3.75e-05	-5.09	0.0	-1.20	0.95	8.26e-04	9.45e-04	-1.80e-03	-2.98
		-3.93	-1.80e-03	0.0	0.0	59.6	-1.20	-4.14	8.26e-04	9.45e-04	-1.44e-03	-3.93

6	104	-2.67	-1.83e-03	-3.29e-05	-5.09	0.0	-1.48	1.14	-8.57e-04	-2.53e-03	-1.83e-03	-2.74
		-3.58	-2.04e-03	1.08e-06	0.0	59.6	-1.48	-3.96	-8.57e-04	-2.53e-03	-2.04e-03	-3.58
6	105	-3.59	-2.14e-03	-4.46e-05	-9.24	0.0	-1.86	2.71	-1.18e-03	-2.67e-03	-2.14e-03	-3.82
		-4.96	-2.53e-03	1.57e-06	0.0	59.6	-1.86	-6.53	-1.18e-03	-2.67e-03	-2.53e-03	-4.96
6	106	-2.80	-1.59e-03	-3.52e-05	-5.09	0.0	-1.32	1.04	2.64e-04	-2.09e-04	-1.75e-03	-2.86
		-3.76	-1.75e-03	1.04e-06	0.0	59.6	-1.32	-4.05	2.64e-04	-2.09e-04	-1.59e-03	-3.76
6	107	-3.72	-2.06e-03	-4.69e-05	-9.24	0.0	-1.70	2.62	-5.53e-05	-3.42e-04	-2.06e-03	-3.94
		-5.13	-2.07e-03	1.53e-06	0.0	59.6	-1.70	-6.62	-5.53e-05	-3.42e-04	-2.07e-03	-5.13
6	116	-7.21	-7.40e-03	-1.01e-04	-9.24	0.0	0.72	-0.70	0.06	-0.01	-0.04	-7.21
		-10.38	-0.04	2.02e-04	0.0	59.6	0.72	-9.94	0.06	-0.01	-7.40e-03	-10.38
6	119	0.47	0.04	-1.12e-05	-9.24	0.0	-4.12	5.93	-0.06	0.01	0.04	-0.66
		-0.66	3.26e-03	-1.99e-04	0.0	59.6	-4.12	-3.30	-0.06	0.01	3.26e-03	0.12
6	120	-7.59	-6.99e-03	-1.06e-04	-9.24	0.0	0.89	-1.07	0.06	-0.01	-0.04	-7.59
		-10.98	-0.04	2.41e-04	0.0	59.6	0.89	-10.30	0.06	-0.01	-6.99e-03	-10.98
6	123	0.99	0.04	1.25e-05	-9.24	0.0	-4.29	6.30	-0.06	0.01	0.04	-0.29
		-0.29	2.85e-03	-2.38e-04	0.0	59.6	-4.29	-2.94	-0.06	0.01	2.85e-03	0.71
6	136	-9.57	-7.68e-03	-1.36e-04	-9.24	0.0	0.77	-3.07	-4.53e-03	6.27e-03	-0.03	-9.57
		-14.15	-0.03	1.34e-04	0.0	59.6	0.77	-12.30	-4.53e-03	6.27e-03	-7.68e-03	-14.15
6	139	3.91	0.02	4.17e-05	-9.24	0.0	-4.17	8.30	4.42e-03	-6.96e-03	0.02	1.69
		1.69	3.54e-03	-1.31e-04	0.0	59.6	-4.17	-0.94	4.42e-03	-6.96e-03	3.54e-03	3.89
6	148	-7.62	-8.06e-03	-1.08e-04	-9.24	0.0	1.03	-1.11	0.07	-0.02	-0.05	-7.62
		-11.03	-0.05	2.28e-04	0.0	59.6	1.03	-10.35	0.07	-0.02	-8.06e-03	-11.03
6	151	1.04	0.05	1.39e-05	-9.24	0.0	-4.43	6.34	-0.07	0.02	0.05	-0.26
		-0.26	3.92e-03	-2.25e-04	0.0	59.6	-4.43	-2.89	-0.07	0.02	3.92e-03	0.77
6	152	-8.04	-7.59e-03	-1.14e-04	-9.24	0.0	1.23	-1.53	0.07	-0.02	-0.05	-8.04
		-11.70	-0.05	2.73e-04	0.0	59.6	1.23	-10.76	0.07	-0.02	-7.59e-03	-11.70
6	155	1.64	0.05	2.00e-05	-9.24	0.0	-4.63	6.76	-0.07	0.01	0.05	0.16
		0.16	3.45e-03	-2.70e-04	0.0	59.6	-4.63	-2.48	-0.07	0.01	3.45e-03	1.44
6	168	-10.28	-8.37e-03	-1.47e-04	-9.24	0.0	1.09	-3.78	-5.03e-03	7.13e-03	-0.03	-10.28
		-15.28	-0.03	1.52e-04	0.0	59.6	1.09	-13.01	-5.03e-03	7.13e-03	-8.37e-03	-15.28
6	171	5.01	0.02	5.28e-05	-9.24	0.0	-4.49	9.01	4.92e-03	-7.81e-03	0.02	2.40
		2.40	4.23e-03	-1.49e-04	0.0	59.6	-4.49	-0.23	4.92e-03	-7.81e-03	4.23e-03	5.01
6	180	-7.50	-7.95e-03	-1.06e-04	-9.24	0.0	1.05	-1.00	0.07	-0.02	-0.05	-7.50
		-10.85	-0.05	2.38e-04	0.0	59.6	1.05	-10.24	0.07	-0.02	-7.95e-03	-10.85
6	183	0.88	0.05	1.25e-05	-9.24	0.0	-4.44	6.24	-0.07	0.01	0.05	-0.38
		-0.38	3.82e-03	-2.35e-04	0.0	59.6	-4.44	-3.00	-0.07	0.01	3.82e-03	0.59
6	184	-7.94	-7.48e-03	-1.13e-04	-9.24	0.0	1.26	-1.44	0.07	-0.01	-0.05	-7.94
		-11.55	-0.05	2.84e-04	0.0	59.6	1.26	-10.67	0.07	-0.01	-7.48e-03	-11.55
6	187	1.50	0.05	1.89e-05	-9.24	0.0	-4.66	6.67	-0.07	0.01	0.05	0.07
		0.07	3.34e-03	-2.81e-04	0.0	59.6	-4.66	-2.57	-0.07	0.01	3.34e-03	1.29
6	200	-10.20	-8.21e-03	-1.46e-04	-9.24	0.0	1.10	-3.70	-4.32e-03	7.24e-03	-0.03	-10.20
		-15.16	-0.03	1.58e-04	0.0	59.6	1.10	-12.94	-4.32e-03	7.24e-03	-8.21e-03	-15.16
6	203	4.89	0.03	5.18e-05	-9.24	0.0	-4.50	8.93	4.21e-03	-7.92e-03	0.03	2.32
		2.32	4.07e-03	-1.55e-04	0.0	59.6	-4.50	-0.30	4.21e-03	-7.92e-03	4.07e-03	4.89
6	212	-8.11	-9.04e-03	-1.17e-04	-9.24	0.0	1.58	-1.62	0.09	-0.02	-0.06	-8.11
		-11.83	-0.06	2.88e-04	0.0	59.6	1.58	-10.86	0.09	-0.02	-9.04e-03	-11.83
6	215	1.74	0.06	2.29e-05	-9.24	0.0	-4.98	6.85	-0.09	0.02	0.06	0.23
		0.23	4.90e-03	-2.85e-04	0.0	59.6	-4.98	-2.38	-0.09	0.02	4.90e-03	1.56
6	216	-8.63	-8.47e-03	-1.24e-04	-9.24	0.0	1.84	-2.14	0.09	-0.02	-0.06	-8.63
		-12.66	-0.06	3.44e-04	0.0	59.6	1.84	-11.38	0.09	-0.02	-8.47e-03	-12.66
6	219	2.51	0.06	3.06e-05	-9.24	0.0	-5.24	7.37	-0.09	0.02	0.06	0.75
		0.75	4.33e-03	-3.41e-04	0.0	59.6	-5.24	-1.86	-0.09	0.02	4.33e-03	2.40
6	232	-11.24	-9.22e-03	-1.62e-04	-9.24	0.0	1.60	-4.76	-4.40e-03	8.51e-03	-0.03	-11.24
		-16.83	-0.03	1.90e-04	0.0	59.6	1.60	-13.99	-4.40e-03	8.51e-03	-9.22e-03	-16.83
6	235	6.57	0.03	6.84e-05	-9.24	0.0	-5.00	9.99	4.29e-03	-9.20e-03	0.03	3.36
		3.36	5.08e-03	-1.87e-04	0.0	59.6	-5.00	0.75	4.29e-03	-9.20e-03	5.08e-03	6.57
7	4	-5.11	-3.17e-03	-5.36e-05	-17.44	0.0	-2.11	6.00	0.02	2.72e-03	-0.01	-5.72
		-7.34	-0.01	2.79e-06	0.0	59.6	-2.11	-11.44	0.02	2.72e-03	-3.17e-03	-7.34
7	19	-2.60	-1.57e-03	-2.97e-05	-4.63	0.0	-0.30	0.78	9.55e-03	6.06e-03	-6.35e-03	-2.64
		-3.56	-6.35e-03	0.0	0.0	59.6	-0.30	-3.85	9.55e-03	6.06e-03	-1.57e-03	-3.56
7	28	-4.32	-4.13e-03	-4.44e-05	-17.44	0.0	-3.33	6.66	0.02	-9.21e-03	-0.01	-5.08
		-6.30	-0.01	3.24e-06	0.0	59.6	-3.33	-10.77	0.02	-9.21e-03	-4.13e-03	-6.30
7	44	-3.56	-4.49e-03	-3.48e-05	-14.33	0.0	-3.52	5.60	0.01	-0.01	-0.01	-4.21
		-5.14	-0.01	2.86e-06	0.0	59.6	-3.52	-8.73	0.01	-0.01	-4.49e-03	-5.14
7	45	-1.34	-3.17e-03	-1.02e-05	-4.63	0.0	-2.33	1.89	2.99e-03	-0.01	-6.57e-03	-1.57
		-1.82	-6.57e-03	1.22e-06	0.0	59.6	-2.33	-2.74	2.99e-03	-0.01	-3.17e-03	-1.82
7	68	-3.62	-2.31e-03	-3.75e-05	-12.00	0.0	-1.54	4.08	0.01	1.75e-03	-0.01	-4.03
		-5.17	-0.01	1.98e-06	0.0	59.6	-1.54	-7.92	0.01	1.75e-03	-2.31e-03	-5.17
7	72	-2.52	-1.66e-03	-2.72e-05	-5.09	0.0	-0.65	1.14	9.41e-03	3.83e-03	-6.64e-03	-2.59
		-3.43	-6.64e-03	0.0	0.0	59.6	-0.65	-3.96	9.41e-03	3.83e-03	-1.66e-03	-3.43
7	80	-3.09	-2.95e-03	-3.13e-05	-12.00	0.0	-2.35	4.53	0.01	-6.20e-03	-0.01	-3.60
		-4.48	-0.01	2.28e-06	0.0	59.6	-2.35	-7.47	0.01	-6.20e-03	-2.95e-03	-4.48
7	85	-1.67	-2.72e-03	-1.38e-05	-5.09	0.0	-2.00	1.88	5.04e-03	6.42e-03	-6.79e-03	-1.88
		-2.28	-6.79e-03	1.29e-06	0.0	59.6	-2.00	-3.22	5.04e-03	-9.42e-03	-2.72e-03	-2.28
7	88	-2.58	-3.19e-03	-2.49e-05	-9.93	0.0	-2.48	3.82	8.54e-03	-9.65e-03	-9.31e-03	-3.02

		-3.70	-9.31e-03	2.02e-06	0.0	59.6	-2.48	-6.11	8.54e-03	-9.65e-03	-3.19e-03	-3.70
7	98	-2.88	-2.09e-03	-2.93e-05	-9.93	0.0	-1.65	3.50	0.01	-7.86e-04	-8.73e-03	-3.24
		-4.12	-8.73e-03	1.88e-06	0.0	59.6	-1.65	-6.43	0.01	-7.86e-04	-2.09e-03	-4.12
7	102	-2.19	-1.72e-03	-2.16e-05	-5.09	0.0	-1.12	1.43	8.60e-03	3.03e-04	-6.66e-03	-2.31
		-2.98	-6.66e-03	1.16e-06	0.0	59.6	-1.12	-3.66	8.60e-03	3.03e-04	-1.72e-03	-2.98
7	104	-2.02	-1.93e-03	-1.87e-05	-5.09	0.0	-1.39	1.58	7.72e-03	-2.35e-03	-6.69e-03	-2.17
		-2.74	-6.69e-03	1.26e-06	0.0	59.6	-1.39	-3.52	7.72e-03	-2.35e-03	-1.93e-03	-2.74
7	105	-2.68	-2.24e-03	-2.68e-05	-9.24	0.0	-1.74	3.29	0.01	-2.53e-03	-8.46e-03	-3.03
		-3.82	-8.46e-03	1.80e-06	0.0	59.6	-1.74	-5.95	0.01	-2.53e-03	-2.24e-03	-3.82
7	106	-2.11	-1.73e-03	-2.02e-05	-5.09	0.0	-1.24	1.50	8.39e-03	-5.80e-04	-6.66e-03	-2.24
		-2.86	-6.66e-03	1.25e-06	0.0	59.6	-1.24	-3.59	8.39e-03	-5.80e-04	-1.73e-03	-2.86
7	107	-2.77	-2.04e-03	-2.78e-05	-9.24	0.0	-1.59	3.21	0.01	-7.57e-04	-8.44e-03	-3.10
		-3.94	-8.44e-03	1.79e-06	0.0	59.6	-1.59	-6.02	0.01	-7.57e-04	-2.04e-03	-3.94
7	116	-4.98	-0.04	-5.69e-05	-9.24	0.0	1.18	0.90	0.03	0.02	-0.06	-5.00
		-7.21	-0.06	2.06e-04	0.0	59.6	1.18	-8.34	0.03	0.02	-0.04	-7.21
7	119	-0.22	0.04	-1.20e-05	-9.24	0.0	-4.36	5.53	-0.01	-0.02	0.04	-1.20
		-1.20	0.04	-2.02e-04	0.0	59.6	-4.36	-3.71	-0.01	-0.02	0.04	-0.66
7	136	-6.43	-0.02	-7.55e-05	-9.24	0.0	1.72	-0.65	0.02	0.02	-0.03	-6.43
		-9.57	-0.03	1.36e-04	0.0	59.6	1.72	-9.89	0.02	0.02	-0.02	-9.57
7	139	1.84	0.02	2.20e-05	-9.24	0.0	-4.90	7.08	-5.76e-04	-0.02	0.02	0.23
		0.23	0.02	-1.33e-04	0.0	59.6	-4.90	-2.16	-5.76e-04	-0.02	0.02	1.69
7	148	-5.22	-0.05	-6.07e-05	-9.24	0.0	1.53	0.61	0.04	0.03	-0.06	-5.23
		-7.62	-0.06	2.33e-04	0.0	59.6	1.53	-8.63	0.04	0.03	-0.05	-7.62
7	151	0.12	0.04	-1.07e-05	-9.24	0.0	-4.71	5.81	-0.01	-0.03	0.04	-0.97
		-0.97	0.04	-2.29e-04	0.0	59.6	-4.71	-3.42	-0.01	-0.03	0.04	-0.26
7	168	-6.85	-0.03	-8.16e-05	-9.24	0.0	2.14	-1.14	0.02	0.02	-0.04	-6.85
		-10.28	-0.04	1.54e-04	0.0	59.6	2.14	-10.37	0.02	0.02	-0.03	-10.28
7	171	2.49	0.02	2.81e-05	-9.24	0.0	-5.32	7.56	-1.87e-03	-0.02	0.02	0.65
		0.65	0.02	-1.51e-04	0.0	59.6	-5.32	-1.67	-1.87e-03	-0.02	0.02	2.40
7	180	-5.14	-0.05	-6.01e-05	-9.24	0.0	1.49	0.67	0.03	0.02	-0.06	-5.15
		-7.50	-0.06	2.43e-04	0.0	59.6	1.49	-8.56	0.03	0.02	-0.05	-7.50
7	183	0.02	0.05	-1.08e-05	-9.24	0.0	-4.67	5.75	-0.01	-0.03	0.05	-1.05
		-1.05	0.04	-2.39e-04	0.0	59.6	-4.67	-3.48	-0.01	-0.03	0.04	-0.38
7	200	-6.80	-0.03	-8.11e-05	-9.24	0.0	2.12	-1.09	0.02	0.02	-0.04	-6.80
		-10.20	-0.04	1.60e-04	0.0	59.6	2.12	-10.33	0.02	0.02	-0.03	-10.20
7	203	2.42	0.02	2.76e-05	-9.24	0.0	-5.30	7.51	-7.63e-04	-0.02	0.02	0.59
		0.59	0.02	-1.57e-04	0.0	59.6	-5.30	-1.72	-7.63e-04	-0.02	0.02	2.32
7	212	-5.50	-0.06	-6.60e-05	-9.24	0.0	2.05	0.23	0.04	0.03	-0.07	-5.50
		-8.11	-0.07	2.94e-04	0.0	59.6	2.05	-9.01	0.04	0.03	-0.06	-8.11
7	215	0.53	0.06	1.25e-05	-9.24	0.0	-5.23	6.19	-0.02	-0.03	0.06	-0.71
		-0.71	0.05	-2.91e-04	0.0	59.6	-5.23	-3.04	-0.02	-0.03	0.05	0.23
7	232	-7.41	-0.03	-9.03e-05	-9.24	0.0	2.77	-1.81	0.02	0.02	-0.04	-7.41
		-11.24	-0.04	1.93e-04	0.0	59.6	2.77	-11.05	0.02	0.02	-0.03	-11.24
7	235	3.40	0.03	3.68e-05	-9.24	0.0	-5.95	8.24	-2.62e-03	-0.02	0.03	1.21
		1.21	0.03	-1.90e-04	0.0	59.6	-5.95	-1.00	-2.62e-03	-0.02	0.03	3.36
8	18	4.79	-1.78e-03	-3.34e-04	-28.48	0.0	-0.75	6.32	-0.03	0.0	-1.78e-03	4.41
		8.91e-03	-0.02	0.0	0.0	55.6	-0.75	-22.16	-0.03	0.0	-0.02	8.91e-03
8	19	1.45	-1.11e-03	-2.17e-04	-9.47	0.0	-0.39	2.46	-0.02	0.0	-1.11e-03	1.27
		4.35e-03	-0.01	0.0	0.0	55.6	-0.39	-7.01	-0.02	0.0	-0.01	4.35e-03
8	28	6.09	-9.43e-04	-2.48e-04	-34.30	0.0	-0.97	6.89	-8.19e-03	0.0	-9.43e-04	5.71
		0.01	-5.50e-03	2.01e-06	0.0	55.6	-0.97	-27.41	-8.19e-03	0.0	-5.50e-03	0.01
8	45	1.83	9.14e-03	-8.46e-05	-9.47	0.0	-0.59	1.58	0.02	0.0	1.26e-04	1.76
		4.64e-03	1.26e-04	1.48e-06	0.0	55.6	-0.59	-7.90	0.02	0.0	9.14e-03	4.64e-03
8	72	1.70	-9.61e-04	-2.00e-04	-10.59	0.0	-0.42	2.55	-0.02	0.0	-9.61e-04	1.53
		4.61e-03	-0.01	0.0	0.0	55.6	-0.42	-8.04	-0.02	0.0	-0.01	4.61e-03
8	75	3.31	-1.25e-03	-2.40e-04	-19.65	0.0	-0.55	4.36	-0.02	0.0	-1.25e-03	3.04
		6.43e-03	-0.01	0.0	0.0	55.6	-0.55	-15.29	-0.02	0.0	-0.01	6.43e-03
8	80	4.17	-6.89e-04	-1.83e-04	-23.53	0.0	-0.70	4.74	-5.83e-03	0.0	-6.89e-04	3.91
		7.21e-03	-3.93e-03	1.39e-06	0.0	55.6	-0.70	-18.79	-5.83e-03	0.0	-3.93e-03	7.21e-03
8	85	1.96	4.58e-03	-1.11e-04	-10.59	0.0	-0.56	1.96	8.49e-03	0.0	-1.37e-04	1.86
		4.80e-03	-1.37e-04	1.18e-06	0.0	55.6	-0.56	-8.63	8.49e-03	0.0	4.58e-03	4.80e-03
8	98	3.36	-7.93e-04	-1.87e-04	-19.65	0.0	-0.58	4.25	-0.01	0.0	-7.93e-04	3.10
		6.17e-03	-7.11e-03	0.0	0.0	55.6	-0.58	-15.40	-0.01	0.0	-7.11e-03	6.17e-03
8	102	1.80	-6.75e-04	-1.65e-04	-10.59	0.0	-0.46	2.33	-7.97e-03	0.0	-6.75e-04	1.66
		4.68e-03	-5.11e-03	0.0	0.0	55.6	-0.46	-8.27	-7.97e-03	0.0	-5.11e-03	4.68e-03
8	103	3.11	-8.37e-04	-1.91e-04	-18.36	0.0	-0.56	4.02	-0.01	0.0	-8.37e-04	2.87
		5.94e-03	-7.94e-03	0.0	0.0	55.6	-0.56	-14.33	-0.01	0.0	-7.94e-03	5.94e-03
8	104	1.85	-5.10e-04	-1.47e-04	-10.59	0.0	-0.48	2.21	-2.91e-03	0.0	-5.10e-04	1.72
		4.71e-03	-2.13e-03	0.0	0.0	55.6	-0.48	-8.39	-2.91e-03	0.0	-2.13e-03	4.71e-03
8	105	3.16	-6.72e-04	-1.74e-04	-18.36	0.0	-0.58	3.90	-7.72e-03	0.0	-6.72e-04	2.94
		5.98e-03	-4.96e-03	0.0	0.0	55.6	-0.58	-14.45	-7.72e-03	0.0	-4.96e-03	5.98e-03
8	106	1.82	-6.03e-04	-1.56e-04	-10.59	0.0	-0.46	2.27	-5.76e-03	0.0	-6.03e-04	1.69
		4.69e-03	-3.80e-03	0.0	0.0	55.6	-0.46	-8.32	-5.76e-03	0.0	-3.80e-03	4.69e-03
8	107	3.14	-7.66e-04	-1.83e-04	-18.36	0.0	-0.56	3.97	-0.01	0.0	-7.66e-04	2.90
		5.96e-03	-6.64e-03	0.0	0.0	55.6	-0.56	-14.39	-0.01	0.0	-6.64e-03	5.96e-03

8	114	2.68	0.29	-3.74e-04	-18.36	0.0	-0.77	5.05	0.49	0.0	0.02	2.30
		9.86e-04	0.02	-1.78e-04	0.0	55.6	-0.77	-13.30	0.49	0.0	0.29	9.86e-04
8	116	3.01	-0.03	-3.63e-04	-18.36	0.0	-0.03	4.25	-0.64	0.0	-0.03	2.74
		9.74e-03	-0.38	1.91e-04	0.0	55.6	-0.03	-14.10	-0.64	0.0	-0.38	9.74e-03
8	119	3.27	0.37	-3.03e-05	-18.36	0.0	-1.10	3.68	0.62	0.0	0.03	3.06
		2.18e-03	0.03	-1.89e-04	0.0	55.6	-1.10	-14.68	0.62	0.0	0.37	2.18e-03
8	124	2.37	-0.02	-5.24e-04	-18.36	0.0	0.13	5.85	-0.41	0.0	-0.02	1.86
		5.84e-03	-0.24	-3.19e-06	0.0	55.6	0.13	-12.51	-0.41	0.0	-0.24	5.84e-03
8	127	4.01	0.23	1.58e-04	-18.36	0.0	-1.26	2.09	0.39	0.0	0.02	3.95
		6.09e-03	0.02	4.74e-06	0.0	55.6	-1.26	-16.27	0.39	0.0	0.23	6.09e-03
8	133	4.29	5.18e-03	2.41e-04	-18.36	0.0	-0.96	1.53	8.91e-03	0.0	3.12e-04	4.26
		9.01e-03	3.12e-04	-6.42e-06	0.0	55.6	-0.96	-16.83	8.91e-03	0.0	5.18e-03	9.01e-03
8	146	2.62	0.33	-3.97e-04	-18.36	0.0	-0.79	5.19	0.55	0.0	0.02	2.22
		3.59e-04	0.02	-2.01e-04	0.0	55.6	-0.79	-13.17	0.55	0.0	0.33	3.59e-04
8	148	3.00	-0.03	-3.85e-04	-18.36	0.0	0.04	4.29	-0.72	0.0	-0.03	2.72
		0.01	-0.43	2.16e-04	0.0	55.6	0.04	-14.06	-0.72	0.0	-0.43	0.01
8	151	3.28	0.42	2.04e-05	-18.36	0.0	-1.17	3.64	0.70	0.0	0.03	3.09
		1.69e-03	0.03	-2.14e-04	0.0	55.6	-1.17	-14.72	0.70	0.0	0.42	1.69e-03
8	160	2.27	-0.02	-6.14e-04	-18.36	0.0	0.22	6.11	-0.46	0.0	-0.02	1.71
		5.74e-03	-0.28	1.93e-06	0.0	55.6	0.22	-12.25	-0.46	0.0	-0.28	5.74e-03
8	163	4.14	0.26	2.49e-04	-18.36	0.0	-1.35	1.82	0.44	0.0	0.02	4.09
		6.19e-03	0.02	1.94e-06	0.0	55.6	-1.35	-16.53	0.44	0.0	0.26	6.19e-03
8	165	4.45	7.27e-03	2.94e-04	-18.36	0.0	-1.01	1.22	0.01	0.0	4.87e-04	4.43
		9.40e-03	4.87e-04	-7.70e-06	0.0	55.6	-1.01	-17.13	0.01	0.0	7.27e-03	9.40e-03
8	178	2.64	0.33	-3.92e-04	-18.36	0.0	-0.80	5.15	0.56	0.0	0.02	2.25
		3.80e-04	0.02	-2.01e-04	0.0	55.6	-0.80	-13.21	0.56	0.0	0.33	3.80e-04
8	180	2.99	-0.03	-3.81e-04	-18.36	0.0	0.05	4.32	-0.75	0.0	-0.03	2.70
		0.01	-0.45	2.24e-04	0.0	55.6	0.05	-14.04	-0.75	0.0	-0.45	0.01
8	183	3.30	0.44	-2.19e-05	-18.36	0.0	-1.18	3.61	0.73	0.0	0.03	3.10
		1.53e-03	0.03	-2.23e-04	0.0	55.6	-1.18	-14.74	0.73	0.0	0.44	1.53e-03
8	192	2.29	-0.02	-6.05e-04	-18.36	0.0	0.21	6.08	-0.47	0.0	-0.02	1.73
		5.76e-03	-0.28	2.15e-06	0.0	55.6	0.21	-12.28	-0.47	0.0	-0.28	5.76e-03
8	195	4.13	0.27	2.40e-04	-18.36	0.0	-1.34	1.85	0.45	0.0	0.02	4.08
		6.17e-03	0.02	1.60e-06	0.0	55.6	-1.34	-16.50	0.45	0.0	0.27	6.17e-03
8	197	4.43	0.01	2.87e-04	-18.36	0.0	-1.01	1.27	0.02	0.0	7.07e-04	4.40
		9.37e-03	7.07e-04	-9.50e-06	0.0	55.6	-1.01	-17.09	0.02	0.0	0.01	9.37e-03
8	212	2.96	-0.04	-4.14e-04	-18.36	0.0	0.17	4.39	-0.90	0.0	-0.04	2.67
		0.01	-0.54	2.71e-04	0.0	55.6	0.17	-13.97	-0.90	0.0	-0.54	0.01
8	215	3.33	0.53	4.94e-05	-18.36	0.0	-1.30	3.55	0.88	0.0	0.04	3.14
		5.92e-04	0.04	-2.70e-04	0.0	55.6	-1.30	-14.81	0.88	0.0	0.53	5.92e-04
8	218	2.62	0.43	-2.45e-04	-18.36	0.0	-0.87	5.21	0.71	0.0	0.03	2.21
		-6.90e-04	0.03	-2.69e-04	0.0	55.6	-0.87	-13.14	0.71	0.0	0.43	-6.90e-04
8	224	2.16	-0.02	-6.74e-04	-18.36	0.0	0.34	6.42	-0.56	0.0	-0.02	1.54
		5.74e-03	-0.33	2.79e-06	0.0	55.6	0.34	-11.93	-0.56	0.0	-0.33	5.74e-03
8	227	4.30	0.32	3.09e-04	-18.36	0.0	-1.47	1.51	0.54	0.0	0.02	4.27
		6.18e-03	0.02	-1.84e-06	0.0	55.6	-1.47	-16.85	0.54	0.0	0.32	6.18e-03
8	229	4.65	0.02	3.63e-04	-18.36	0.0	-1.08	0.83	0.03	0.0	1.13e-03	4.65
		9.99e-03	1.13e-03	-1.30e-05	0.0	55.6	-1.08	-17.53	0.03	0.0	0.02	9.99e-03
9	16	2.29	-5.62e-04	-4.30e-04	-14.89	0.0	-2.82	14.21	-1.67e-03	0.0	-5.62e-04	-1.47
		-1.47	-1.49e-03	0.0	0.0	55.6	-2.82	-0.69	-1.67e-03	0.0	-1.49e-03	2.28
9	18	4.63	-9.14e-04	-5.71e-04	-28.48	0.0	-3.68	23.72	-1.55e-03	0.0	-9.14e-04	-0.86
		-0.86	-1.78e-03	0.0	0.0	55.6	-3.68	-4.76	-1.55e-03	0.0	-1.78e-03	4.41
9	19	1.27	-4.69e-04	-3.07e-04	-9.47	0.0	-1.88	9.44	-1.16e-03	0.0	-4.69e-04	-1.34
		-1.34	-1.11e-03	0.0	0.0	55.6	-1.88	-0.03	-1.16e-03	0.0	-1.11e-03	1.27
9	28	6.19	-8.19e-05	-5.24e-04	-34.30	0.0	-4.30	26.55	-1.55e-03	0.0	-8.19e-05	0.49
		0.49	-9.43e-04	2.11e-06	0.0	55.6	-4.30	-7.75	-1.55e-03	0.0	-9.43e-04	5.71
9	45	1.83	8.05e-04	-1.72e-04	-9.47	0.0	-2.24	7.87	-1.22e-03	0.0	8.05e-04	0.02
		0.02	1.26e-04	1.49e-06	0.0	55.6	-2.24	-1.60	-1.22e-03	0.0	1.26e-04	1.76
9	72	1.54	-3.16e-04	-2.97e-04	-10.59	0.0	-2.00	9.97	-1.16e-03	0.0	-3.16e-04	-1.07
		-1.07	-9.61e-04	0.0	0.0	55.6	-2.00	-0.62	-1.16e-03	0.0	-9.61e-04	1.53
9	73	1.63	-3.49e-04	-3.12e-04	-10.59	0.0	-2.10	10.20	-1.27e-03	0.0	-3.49e-04	-1.10
		-1.10	-1.06e-03	0.0	0.0	55.6	-2.10	-0.39	-1.27e-03	0.0	-1.06e-03	1.63
9	75	3.18	-5.83e-04	-4.06e-04	-19.65	0.0	-2.68	16.55	-1.19e-03	0.0	-5.83e-04	-0.69
		-0.69	-1.25e-03	0.0	0.0	55.6	-2.68	-3.10	-1.19e-03	0.0	-1.25e-03	3.04
9	80	4.21	-2.86e-05	-3.74e-04	-23.53	0.0	-3.09	18.43	-1.19e-03	0.0	-2.86e-05	0.21
		0.21	-6.89e-04	1.46e-06	0.0	55.6	-3.09	-5.10	-1.19e-03	0.0	-6.89e-04	3.91
9	85	1.93	5.33e-04	-2.07e-04	-10.59	0.0	-2.23	8.93	-1.21e-03	0.0	5.33e-04	-0.16
		-0.16	-1.37e-04	1.21e-06	0.0	55.6	-2.23	-1.66	-1.21e-03	0.0	-1.37e-04	1.86
9	98	3.31	-1.86e-04	-3.47e-04	-19.65	0.0	-2.65	15.80	-1.09e-03	0.0	-1.86e-04	-0.22
		-0.22	-7.93e-04	0.0	0.0	55.6	-2.65	-3.85	-1.09e-03	0.0	-7.93e-04	3.10
9	102	1.68	-2.39e-05	-2.61e-04	-10.59	0.0	-2.06	9.56	-1.17e-03	0.0	-2.39e-05	-0.71
		-0.71	-6.75e-04	0.0	0.0	55.6	-2.06	-1.03	-1.17e-03	0.0	-6.75e-04	1.66
9	103	3.04	-2.25e-04	-3.42e-04	-18.36	0.0	-2.55	15.00	-1.10e-03	0.0	-2.25e-04	-0.36
		-0.36	-8.37e-04	0.0	0.0	55.6	-2.55	-3.36	-1.10e-03	0.0	-8.37e-04	2.87
9	104	1.76	1.46e-04	-2.43e-04	-10.59	0.0	-2.11	9.35	-1.18e-03	0.0	1.46e-04	-0.53

		-0.53	-5.10e-04	0.0	0.0	55.6	-2.11	-1.24	-1.18e-03	0.0	-5.10e-04	1.72
9	106	1.72	4.90e-05	-2.52e-04	-10.59	0.0	-2.07	9.46	-1.17e-03	0.0	4.90e-05	-0.62
		-0.62	-6.03e-04	0.0	0.0	55.6	-2.07	-1.14	-1.17e-03	0.0	-6.03e-04	1.69
9	107	3.08	-1.52e-04	-3.33e-04	-18.36	0.0	-2.57	14.89	-1.10e-03	0.0	-1.52e-04	-0.27
		-0.27	-7.66e-04	0.0	0.0	55.6	-2.57	-3.46	-1.10e-03	0.0	-7.66e-04	2.90
9	116	2.88	-0.02	-5.18e-04	-18.36	0.0	-0.72	16.56	-8.79e-03	0.0	-0.02	-0.65
		-0.65	-0.03	1.93e-04	0.0	55.6	-0.72	-1.80	-8.79e-03	0.0	-0.03	2.74
9	119	3.29	0.03	-1.48e-04	-18.36	0.0	-4.42	13.23	6.58e-03	0.0	0.02	0.11
		0.11	0.02	-1.91e-04	0.0	55.6	-4.42	-5.13	6.58e-03	0.0	0.03	3.06
9	124	1.86	-0.01	-5.80e-04	-18.36	0.0	0.04	18.06	-5.16e-03	0.0	-0.01	-3.08
		-3.08	-0.02	-2.83e-06	0.0	55.6	0.04	-0.29	-5.16e-03	0.0	-0.02	1.86
9	127	4.61	0.02	-8.94e-05	-18.36	0.0	-5.18	11.72	2.95e-03	0.0	0.01	2.54
		2.54	0.01	4.53e-06	0.0	55.6	-5.18	-6.63	2.95e-03	0.0	0.02	3.95
9	133	5.07	6.07e-04	1.92e-04	-18.36	0.0	-4.39	10.97	-5.31e-03	0.0	6.07e-04	3.24
		3.24	3.12e-04	-6.13e-06	0.0	55.6	-4.39	-7.38	-5.31e-03	0.0	3.12e-04	4.26
9	134	1.55	-9.11e-04	-8.58e-04	-18.36	0.0	-0.74	18.81	3.10e-03	0.0	-9.11e-04	-3.79
		-3.79	-1.84e-03	7.83e-06	0.0	55.6	-0.74	0.46	3.10e-03	0.0	-1.84e-03	1.55
9	148	2.85	-0.03	-5.41e-04	-18.36	0.0	-0.48	16.77	-9.79e-03	0.0	-0.03	-0.70
		-0.70	-0.03	2.18e-04	0.0	55.6	-0.48	-1.59	-9.79e-03	0.0	-0.03	2.72
9	151	3.31	0.03	-1.25e-04	-18.36	0.0	-4.65	13.02	7.58e-03	0.0	0.03	0.16
		0.16	0.03	-2.16e-04	0.0	55.6	-4.65	-5.34	7.58e-03	0.0	0.03	3.09
9	156	1.73	-0.02	-6.10e-04	-18.36	0.0	0.37	18.46	-5.67e-03	0.0	-0.02	-3.43
		-3.43	-0.02	-3.70e-06	0.0	55.6	0.37	0.10	-5.67e-03	0.0	-0.02	1.73
9	159	4.83	0.02	-6.56e-05	-18.36	0.0	-5.50	11.33	3.46e-03	0.0	0.02	2.89
		2.89	0.02	5.40e-06	0.0	55.6	-5.50	-7.03	3.46e-03	0.0	0.02	4.08
9	165	5.35	7.39e-04	2.58e-04	-18.36	0.0	-4.62	10.48	-5.83e-03	0.0	7.39e-04	3.68
		3.68	4.87e-04	-7.38e-06	0.0	55.6	-4.62	-7.87	-5.83e-03	0.0	4.87e-04	4.43
9	166	1.38	-1.04e-03	-9.24e-04	-18.36	0.0	-0.51	19.30	3.62e-03	0.0	-1.04e-03	-4.22
		-4.22	-2.02e-03	9.09e-06	0.0	55.6	-0.51	0.95	3.62e-03	0.0	-2.02e-03	1.38
9	180	2.84	-0.03	-5.37e-04	-18.36	0.0	-0.45	16.72	-0.01	0.0	-0.03	-0.72
		-0.72	-0.03	2.27e-04	0.0	55.6	-0.45	-1.63	-0.01	0.0	-0.03	2.70
9	183	3.33	0.03	-1.29e-04	-18.36	0.0	-4.68	13.06	7.80e-03	0.0	0.03	0.17
		0.17	0.03	-2.25e-04	0.0	55.6	-4.68	-5.29	7.80e-03	0.0	0.03	3.10
9	192	1.73	-0.02	-7.62e-04	-18.36	0.0	0.32	18.81	-6.14e-03	0.0	-0.02	-3.39
		-3.39	-0.02	0.0	0.0	55.6	0.32	0.46	-6.14e-03	0.0	-0.02	1.73
9	195	4.81	0.02	9.56e-05	-18.36	0.0	-5.45	10.97	3.93e-03	0.0	0.02	2.84
		2.84	0.02	1.27e-06	0.0	55.6	-5.45	-7.38	3.93e-03	0.0	0.02	4.08
9	197	5.31	9.45e-04	2.46e-04	-18.36	0.0	-4.58	10.56	-5.76e-03	0.0	9.45e-04	3.61
		3.61	7.07e-04	-9.23e-06	0.0	55.6	-4.58	-7.80	-5.76e-03	0.0	7.07e-04	4.40
9	198	1.40	-1.25e-03	-9.12e-04	-18.36	0.0	-0.55	19.23	3.55e-03	0.0	-1.25e-03	-4.16
		-4.16	-2.24e-03	1.09e-05	0.0	55.6	-0.55	0.88	3.55e-03	0.0	-2.24e-03	1.40
9	212	2.80	-0.03	-5.72e-04	-18.36	0.0	-0.04	17.03	-0.01	0.0	-0.03	-0.79
		-0.79	-0.04	2.74e-04	0.0	55.6	-0.04	-1.33	-0.01	0.0	-0.04	2.67
9	215	3.37	0.04	-9.57e-05	-18.36	0.0	-5.09	12.76	9.64e-03	0.0	0.03	0.24
		0.24	0.03	-2.73e-04	0.0	55.6	-5.09	-5.60	9.64e-03	0.0	0.04	3.14
9	224	1.54	-0.02	-8.31e-04	-18.36	0.0	0.80	19.45	-7.13e-03	0.0	-0.02	-3.89
		-3.89	-0.02	0.0	0.0	55.6	0.80	1.09	-7.13e-03	0.0	-0.02	1.54
9	227	5.12	0.02	1.65e-04	-18.36	0.0	-5.93	10.34	4.92e-03	0.0	0.02	3.34
		3.34	0.02	0.0	0.0	55.6	-5.93	-8.02	4.92e-03	0.0	0.02	4.27
9	229	5.73	1.29e-03	3.40e-04	-18.36	0.0	-4.92	9.85	-6.58e-03	0.0	1.29e-03	4.25
		4.25	1.13e-03	-1.27e-05	0.0	55.6	-4.92	-8.51	-6.58e-03	0.0	1.13e-03	4.65
9	230	1.16	-1.60e-03	-1.01e-03	-18.36	0.0	-0.21	19.94	4.37e-03	0.0	-1.60e-03	-4.79
		-4.79	-2.66e-03	1.44e-05	0.0	55.6	-0.21	1.58	4.37e-03	0.0	-2.66e-03	1.16
10	4	-0.33	-8.46e-04	-1.04e-03	-34.30	0.0	-9.81	67.75	0.02	0.0	-0.01	-28.45
		-28.45	-0.01	0.0	0.0	55.6	-9.81	33.46	0.02	0.0	-8.46e-04	-0.33
10	18	-0.86	-9.14e-04	-9.52e-04	-28.48	0.0	-8.73	59.28	0.02	0.0	-0.01	-25.89
		-25.89	-0.01	0.0	0.0	55.6	-8.73	30.81	0.02	0.0	-9.14e-04	-0.86
10	19	-1.34	-4.69e-04	-4.60e-04	-9.47	0.0	-4.18	24.67	0.01	0.0	-8.05e-03	-12.42
		-12.42	-8.05e-03	0.0	0.0	55.6	-4.18	15.20	0.01	0.0	-4.69e-04	-1.34
10	28	0.49	-8.19e-05	-9.53e-04	-34.30	0.0	-10.08	65.28	0.01	0.0	-5.66e-03	-26.26
		-26.26	-5.66e-03	2.11e-06	0.0	55.6	-10.08	30.98	0.01	0.0	-8.19e-05	0.49
10	45	0.02	1.25e-03	-3.10e-04	-9.47	0.0	-4.62	20.55	-7.97e-04	0.0	1.25e-03	-8.77
		-8.77	8.05e-04	1.39e-06	0.0	55.6	-4.62	11.08	-7.97e-04	0.0	8.05e-04	0.02
10	47	0.63	4.53e-04	-5.92e-04	-23.06	0.0	-7.01	42.22	2.23e-03	0.0	-7.87e-04	-16.42
		-16.42	-7.87e-04	1.91e-06	0.0	55.6	-7.01	19.16	2.23e-03	0.0	4.53e-04	0.63
10	68	-0.34	-5.38e-04	-7.33e-04	-23.53	0.0	-7.01	47.20	0.01	0.0	-7.89e-03	-20.03
		-20.03	-7.89e-03	0.0	0.0	55.6	-7.01	23.67	0.01	0.0	-5.38e-04	-0.34
10	72	-1.07	-3.16e-04	-4.60e-04	-10.59	0.0	-4.44	25.84	0.01	0.0	-6.80e-03	-12.49
		-12.49	-6.80e-03	0.0	0.0	55.6	-4.44	15.25	0.01	0.0	-3.16e-04	-1.07
10	75	-0.69	-5.83e-04	-6.73e-04	-19.65	0.0	-6.28	41.56	0.01	0.0	-8.46e-03	-18.32
		-18.32	-8.46e-03	0.0	0.0	55.6	-6.28	21.91	0.01	0.0	-5.83e-04	-0.69
10	80	0.21	-2.86e-05	-6.73e-04	-23.53	0.0	-7.18	45.55	7.45e-03	0.0	-4.17e-03	-18.57
		-18.57	-4.17e-03	1.46e-06	0.0	55.6	-7.18	22.02	7.45e-03	0.0	-2.86e-05	0.21
10	85	-0.16	5.33e-04	-3.60e-04	-10.59	0.0	-4.74	23.10	2.04e-03	0.0	-5.99e-04	-10.05
		-10.05	-5.99e-04	1.14e-06	0.0	55.6	-4.74	12.50	2.04e-03	0.0	5.33e-04	-0.16

10	87	0.25	2.99e-04	-5.48e-04	-19.65	0.0	-6.33	37.54	4.06e-03	0.0	-1.96e-03	-15.15
		-15.15	-1.96e-03	1.49e-06	0.0	55.6	-6.33	17.89	4.06e-03	0.0	2.99e-04	0.25
10	98	-0.22	-1.86e-04	-5.98e-04	-19.65	0.0	-6.14	38.93	9.15e-03	0.0	-5.27e-03	-16.39
		-16.39	-5.27e-03	0.0	0.0	55.6	-6.14	19.28	9.15e-03	0.0	-1.86e-04	-0.22
10	102	-0.71	-2.39e-05	-4.20e-04	-10.59	0.0	-4.53	24.76	8.04e-03	0.0	-4.49e-03	-11.53
		-11.53	-4.49e-03	0.0	0.0	55.6	-4.53	14.16	8.04e-03	0.0	-2.39e-05	-0.71
10	103	-0.36	-2.25e-04	-5.81e-04	-18.36	0.0	-5.89	37.14	9.77e-03	0.0	-5.65e-03	-15.90
		-15.90	-5.65e-03	0.0	0.0	55.6	-5.89	18.78	9.77e-03	0.0	-2.25e-04	-0.36
10	104	-0.53	1.46e-04	-4.00e-04	-10.59	0.0	-4.59	24.21	6.12e-03	0.0	-3.25e-03	-11.04
		-11.04	-3.25e-03	0.0	0.0	55.6	-4.59	13.61	6.12e-03	0.0	1.46e-04	-0.53
10	105	-0.18	-5.52e-05	-5.61e-04	-18.36	0.0	-5.95	36.59	7.85e-03	0.0	-4.42e-03	-15.41
		-15.41	-4.42e-03	0.0	0.0	55.6	-5.95	18.23	7.85e-03	0.0	-5.52e-05	-0.18
10	106	-0.62	4.90e-05	-4.10e-04	-10.59	0.0	-4.55	24.49	7.13e-03	0.0	-3.92e-03	-11.29
		-11.29	-3.92e-03	0.0	0.0	55.6	-4.55	13.89	7.13e-03	0.0	4.90e-05	-0.62
10	107	-0.27	-1.52e-04	-5.71e-04	-18.36	0.0	-5.91	36.87	8.87e-03	0.0	-5.08e-03	-15.66
		-15.66	-5.08e-03	0.0	0.0	55.6	-5.91	18.51	8.87e-03	0.0	-1.52e-04	-0.27
10	112	-0.74	0.15	-8.06e-04	-18.36	0.0	-2.81	38.59	-0.32	0.0	0.15	-17.12
		-17.12	-0.02	2.24e-04	0.0	55.6	-2.81	20.23	-0.32	0.0	-0.02	-0.74
10	115	0.20	0.02	-3.36e-04	-18.36	0.0	-9.01	35.14	0.34	0.0	-0.16	-14.20
		-14.20	-0.16	-2.22e-04	0.0	55.6	-9.01	16.79	0.34	0.0	0.02	0.20
10	124	-3.08	-4.44e-03	-1.04e-03	-18.36	0.0	-1.61	49.19	8.67e-03	0.0	-4.44e-03	-25.32
		-25.32	-0.01	-2.51e-06	0.0	55.6	-1.61	30.83	8.67e-03	0.0	-0.01	-3.08
10	127	2.54	0.01	-1.03e-04	-18.36	0.0	-10.21	24.54	9.06e-03	0.0	-5.72e-03	-6.00
		-6.00	-5.72e-03	4.23e-06	0.0	55.6	-10.21	6.19	9.06e-03	0.0	0.01	2.54
10	133	3.24	6.07e-04	-1.09e-04	-18.36	0.0	-8.94	21.53	0.02	0.0	-9.72e-03	-3.64
		-3.64	-9.72e-03	-5.84e-06	0.0	55.6	-8.94	3.17	0.02	0.0	6.07e-04	3.24
10	136	-3.47	0.08	-1.09e-03	-18.36	0.0	-1.69	52.22	-0.17	0.0	0.08	-27.68
		-27.68	-0.01	1.32e-04	0.0	55.6	-1.69	33.86	-0.17	0.0	-0.01	-3.47
10	144	-0.80	0.17	-8.36e-04	-18.36	0.0	-2.42	38.81	-0.36	0.0	0.17	-17.30
		-17.30	-0.03	2.52e-04	0.0	55.6	-2.42	20.45	-0.36	0.0	-0.03	-0.80
10	147	0.26	0.03	-3.07e-04	-18.36	0.0	-9.40	34.92	0.38	0.0	-0.18	-14.02
		-14.02	-0.18	-2.51e-04	0.0	55.6	-9.40	16.57	0.38	0.0	0.03	0.26
10	156	-3.43	-4.58e-03	-1.10e-03	-18.36	0.0	-1.08	50.72	9.07e-03	0.0	-4.58e-03	-26.52
		-26.52	-0.02	-3.35e-06	0.0	55.6	-1.08	32.36	9.07e-03	0.0	-0.02	-3.43
10	159	2.89	0.02	-5.38e-05	-18.36	0.0	-10.74	23.01	8.66e-03	0.0	-5.58e-03	-4.80
		-4.80	-5.58e-03	5.07e-06	0.0	55.6	-10.74	4.66	8.66e-03	0.0	0.02	2.89
10	165	3.68	7.39e-04	-6.05e-05	-18.36	0.0	-9.31	19.62	0.02	0.0	-0.01	-2.15
		-2.15	-0.01	-7.07e-06	0.0	55.6	-9.31	1.26	0.02	0.0	7.39e-04	3.68
10	168	-3.87	0.09	-1.15e-03	-18.36	0.0	-1.16	54.13	-0.19	0.0	0.09	-29.18
		-29.18	-0.02	1.50e-04	0.0	55.6	-1.16	35.78	-0.19	0.0	-0.02	-3.87
10	176	-0.83	0.17	-8.29e-04	-18.36	0.0	-2.44	38.90	-0.36	0.0	0.17	-17.37
		-17.37	-0.03	2.55e-04	0.0	55.6	-2.44	20.54	-0.36	0.0	-0.03	-0.83
10	179	0.28	0.03	-3.14e-04	-18.36	0.0	-9.38	34.83	0.38	0.0	-0.19	-13.95
		-13.95	-0.19	-2.53e-04	0.0	55.6	-9.38	16.48	0.38	0.0	0.03	0.28
10	192	-3.39	-0.01	-1.09e-03	-18.36	0.0	-1.18	52.18	0.02	0.0	-0.01	-27.60
		-27.60	-0.02	0.0	0.0	55.6	-1.18	33.83	0.02	0.0	-0.02	-3.39
10	195	2.84	0.02	-6.13e-05	-18.36	0.0	-10.64	21.55	-5.05e-03	0.0	2.22e-03	-3.72
		-3.72	2.22e-03	0.0	0.0	55.6	-10.64	3.19	-5.05e-03	0.0	0.02	2.84
10	197	3.61	9.45e-04	-6.50e-05	-18.36	0.0	-9.24	19.91	0.02	0.0	-0.01	-2.37
		-2.37	-0.01	-8.98e-06	0.0	55.6	-9.24	1.56	0.02	0.0	9.45e-04	3.61
10	200	-3.83	0.09	-1.14e-03	-18.36	0.0	-1.21	53.86	-0.19	0.0	0.09	-28.97
		-28.97	-0.02	1.55e-04	0.0	55.6	-1.21	35.51	-0.19	0.0	-0.02	-3.83
10	208	-0.93	0.21	-8.70e-04	-18.36	0.0	-1.83	39.27	-0.43	0.0	0.21	-17.69
		-17.69	-0.03	3.01e-04	0.0	55.6	-1.83	20.92	-0.43	0.0	-0.03	-0.93
10	211	0.38	0.03	-2.72e-04	-18.36	0.0	-9.99	34.46	0.45	0.0	-0.22	-13.63
		-13.63	-0.22	-2.99e-04	0.0	55.6	-9.99	16.10	0.45	0.0	0.03	0.38
10	224	-3.89	-0.01	-1.17e-03	-18.36	0.0	-0.40	54.66	0.02	0.0	-0.01	-29.53
		-29.53	-0.02	1.40e-05	0.0	55.6	-0.40	36.30	0.02	0.0	-0.02	-3.89
10	227	3.34	0.02	2.95e-05	-18.36	0.0	-11.43	19.07	-6.56e-03	0.0	3.14e-03	-1.79
		-1.79	3.14e-03	0.0	0.0	55.6	-11.43	0.72	-6.56e-03	0.0	0.02	3.34
10	229	4.27	1.29e-03	2.66e-05	-18.36	0.0	-9.79	17.15	0.02	0.0	-0.01	-0.20
		-0.20	-0.01	-1.24e-05	0.0	55.6	-9.79	-1.21	0.02	0.0	1.29e-03	4.27
10	232	-4.41	0.11	-1.24e-03	-18.36	0.0	-0.40	56.66	-0.23	0.0	0.11	-31.16
		-31.16	-0.02	1.87e-04	0.0	55.6	-0.40	38.31	-0.23	0.0	-0.02	-4.41
11	4	-10.04	0.08	1.33e-04	-15.69	0.0	-6.78	12.73	-0.25	-9.66e-05	0.08	-12.80
		-12.80	-0.05	7.05e-06	0.0	53.6	-6.78	-2.97	-0.25	-9.66e-05	-0.05	-10.19
11	19	-2.83	0.02	2.27e-05	-4.17	0.0	-3.93	4.04	-0.07	4.30e-03	0.02	-3.87
		-3.87	-0.02	1.11e-06	0.0	53.6	-3.93	-0.13	-0.07	4.30e-03	-0.02	-2.83
11	28	-11.84	0.08	1.82e-04	-15.69	0.0	-5.47	12.83	-0.27	-5.50e-03	0.08	-14.65
		-14.65	-0.05	9.27e-06	0.0	53.6	-5.47	-2.86	-0.27	-5.50e-03	-0.05	-11.98
11	45	-5.81	0.03	1.05e-04	-4.17	0.0	-1.75	4.22	-0.10	-4.71e-03	0.03	-6.95
		-6.95	-0.02	4.81e-06	0.0	53.6	-1.75	0.05	-0.10	-4.71e-03	-0.02	-5.81
11	68	-7.13	0.06	9.52e-05	-10.80	0.0	-4.82	8.87	-0.17	-2.44e-04	0.06	-9.08
		-9.08	-0.04	5.02e-06	0.0	53.6	-4.82	-1.93	-0.17	-2.44e-04	-0.04	-7.22
11	72	-3.59	0.02	4.02e-05	-4.58	0.0	-3.67	4.38	-0.08	2.24e-03	0.02	-4.71

		-4.71	-0.02	2.01e-06	0.0	53.6	-3.67	-0.20	-0.08	2.24e-03	-0.02	-3.59
11	80	-8.33	0.06	1.28e-04	-10.80	0.0	-3.95	8.94	-0.18	-3.85e-03	0.06	-10.31
		-10.31	-0.04	6.50e-06	0.0	53.6	-3.95	-1.86	-0.18	-3.85e-03	-0.04	-8.41
11	85	-5.58	0.03	9.47e-05	-4.58	0.0	-2.22	4.50	-0.10	-3.77e-03	0.03	-6.76
		-6.76	-0.02	4.47e-06	0.0	53.6	-2.22	-0.08	-0.10	-3.77e-03	-0.02	-5.58
11	98	-6.58	0.05	9.55e-05	-8.93	0.0	-3.82	7.47	-0.15	-2.28e-03	0.05	-8.25
		-8.25	-0.03	4.98e-06	0.0	53.6	-3.82	-1.47	-0.15	-2.28e-03	-0.03	-6.64
11	102	-4.38	0.03	6.18e-05	-4.58	0.0	-3.06	4.44	-0.09	-9.29e-04	0.03	-5.53
		-5.53	-0.02	3.12e-06	0.0	53.6	-3.06	-0.15	-0.09	-9.29e-04	-0.02	-4.38
11	103	-6.10	0.04	8.60e-05	-8.31	0.0	-3.84	7.02	-0.14	-1.41e-03	0.04	-7.68
		-7.68	-0.03	4.47e-06	0.0	53.6	-3.84	-1.29	-0.14	-1.41e-03	-0.03	-6.15
11	104	-4.78	0.03	7.27e-05	-4.58	0.0	-2.77	4.46	-0.09	-2.13e-03	0.03	-5.94
		-5.94	-0.02	3.62e-06	0.0	53.6	-2.77	-0.12	-0.09	-2.13e-03	-0.02	-4.78
11	106	-4.58	0.03	6.72e-05	-4.58	0.0	-2.91	4.45	-0.09	-1.72e-03	0.03	-5.74
		-5.74	-0.02	3.40e-06	0.0	53.6	-2.91	-0.14	-0.09	-1.72e-03	-0.02	-4.58
11	107	-6.29	0.04	9.14e-05	-8.31	0.0	-3.69	7.03	-0.14	-2.20e-03	0.04	-7.89
		-7.89	-0.03	4.75e-06	0.0	53.6	-3.69	-1.28	-0.14	-2.20e-03	-0.03	-6.34
11	113	-3.76	0.41	-1.01e-05	-8.31	0.0	8.42	9.24	-0.79	0.02	0.41	-6.41
		-6.41	-6.68e-03	7.02e-05	0.0	53.6	8.42	0.93	-0.79	0.02	-6.68e-03	-3.76
11	114	-8.57	-0.05	1.89e-04	-8.31	0.0	-15.80	4.83	0.52	-0.02	-0.32	-9.37
		-9.37	-0.32	-6.07e-05	0.0	53.6	-15.80	-3.48	0.52	-0.02	-0.05	-8.93
11	133	-13.75	0.34	2.61e-04	-8.31	0.0	9.19	5.53	-0.71	-1.95e-03	0.34	-16.60
		-16.60	-0.04	2.85e-05	0.0	53.6	9.19	-2.78	-0.71	-1.95e-03	-0.04	-13.75
11	134	1.50	-0.01	-7.81e-05	-8.31	0.0	-16.57	8.54	0.43	-2.44e-03	-0.25	0.82
		0.82	-0.25	-1.90e-05	0.0	53.6	-16.57	0.23	0.43	-2.44e-03	-0.01	1.06
11	136	4.51	3.35e-03	-1.75e-04	-8.31	0.0	-11.63	10.10	0.15	9.75e-03	-0.09	3.57
		3.57	-0.09	1.76e-05	0.0	53.6	-11.63	1.79	0.15	9.75e-03	3.35e-03	4.24
11	139	-16.93	0.18	3.58e-04	-8.31	0.0	4.25	3.97	-0.43	-0.01	0.18	-19.35
		-19.35	-0.06	-8.14e-06	0.0	53.6	4.25	-4.34	-0.43	-0.01	-0.06	-16.93
11	145	-3.43	0.45	-1.95e-05	-8.31	0.0	9.93	9.52	-0.87	0.02	0.45	-6.22
		-6.22	-3.83e-03	7.90e-05	0.0	53.6	9.93	1.21	-0.87	0.02	-3.83e-03	-3.43
11	146	-8.84	-0.05	2.02e-04	-8.31	0.0	-17.31	4.55	0.60	-0.03	-0.37	-9.56
		-9.56	-0.37	-6.95e-05	0.0	53.6	-17.31	-3.76	0.60	-0.03	-0.05	-9.26
11	165	-14.68	0.37	2.82e-04	-8.31	0.0	10.79	5.35	-0.78	-1.95e-03	0.37	-17.69
		-17.69	-0.05	3.19e-05	0.0	53.6	10.79	-2.97	-0.78	-1.95e-03	-0.05	-14.68
11	166	2.51	-0.01	-9.95e-05	-8.31	0.0	-18.17	8.72	0.50	-2.45e-03	-0.29	1.92
		1.92	-0.29	-2.24e-05	0.0	53.6	-18.17	0.41	0.50	-2.45e-03	-0.01	1.99
11	168	5.89	7.51e-03	-2.09e-04	-8.31	0.0	-12.64	10.48	0.19	0.01	-0.11	5.02
		5.02	-0.11	1.98e-05	0.0	53.6	-12.64	2.17	0.19	0.01	7.51e-03	5.58
11	171	-18.27	0.19	3.92e-04	-8.31	0.0	5.26	3.59	-0.46	-0.02	0.19	-20.79
		-20.79	-0.07	-1.03e-05	0.0	53.6	5.26	-4.72	-0.46	-0.02	-0.07	-18.27
11	177	-3.42	0.43	-2.04e-05	-8.31	0.0	9.12	9.48	-0.84	0.02	0.43	-6.30
		-6.30	-3.84e-03	9.24e-05	0.0	53.6	9.12	1.17	-0.84	0.02	-3.84e-03	-3.42
11	178	-8.81	-0.05	2.03e-04	-8.31	0.0	-16.50	4.59	0.56	-0.03	-0.35	-9.48
		-9.48	-0.35	-8.28e-05	0.0	53.6	-16.50	-3.72	0.56	-0.03	-0.05	-9.27
11	197	-14.61	0.36	2.81e-04	-8.31	0.0	10.37	5.40	-0.76	-2.09e-03	0.36	-17.62
		-17.62	-0.05	3.90e-05	0.0	53.6	10.37	-2.91	-0.76	-2.09e-03	-0.05	-14.61
11	198	2.44	-0.01	-9.83e-05	-8.31	0.0	-17.75	8.66	0.48	-2.31e-03	-0.28	1.84
		1.84	-0.28	-2.95e-05	0.0	53.6	-17.75	0.35	0.48	-2.31e-03	-0.01	1.92
11	200	5.85	7.65e-03	-2.10e-04	-8.31	0.0	-12.74	10.39	0.19	0.01	-0.11	4.92
		4.92	-0.11	2.40e-05	0.0	53.6	-12.74	2.08	0.19	0.01	7.65e-03	5.57
11	203	-18.26	0.19	3.93e-04	-8.31	0.0	5.36	3.68	-0.47	-0.02	0.19	-20.70
		-20.70	-0.07	-1.45e-05	0.0	53.6	5.36	-4.64	-0.47	-0.02	-0.07	-18.26
11	209	-2.89	0.49	-4.01e-05	-8.31	0.0	10.89	9.89	-0.93	0.03	0.49	-6.04
		-6.04	6.39e-04	1.15e-04	0.0	53.6	10.89	1.58	-0.93	0.03	6.39e-04	-2.89
11	210	-9.21	-0.06	2.23e-04	-8.31	0.0	-18.27	4.18	0.66	-0.03	-0.40	-9.74
		-9.80	-0.40	-1.06e-04	0.0	53.6	-18.27	-4.13	0.66	-0.03	-0.06	-9.80
11	229	-15.99	0.41	3.13e-04	-8.31	0.0	12.56	5.15	-0.85	-2.19e-03	0.41	-19.24
		-19.24	-0.05	4.89e-05	0.0	53.6	12.56	-3.16	-0.85	-2.19e-03	-0.05	-15.99
11	230	3.94	-8.57e-03	-1.30e-04	-8.31	0.0	-19.94	8.92	0.58	-2.21e-03	-0.32	3.46
		3.30	-0.32	-3.94e-05	0.0	53.6	-19.94	0.61	0.58	-2.21e-03	-8.57e-03	3.30
11	232	7.97	0.01	-2.64e-04	-8.31	0.0	-14.30	10.96	0.25	0.01	-0.13	7.10
		7.10	-0.13	3.02e-05	0.0	53.6	-14.30	2.65	0.25	0.01	0.01	7.65
11	235	-20.34	0.22	4.47e-04	-8.31	0.0	6.92	3.11	-0.52	-0.02	0.22	-22.88
		-22.88	-0.07	-2.07e-05	0.0	53.6	6.92	-5.20	-0.52	-0.02	-0.07	-20.34
12	4	0.47	0.08	5.43e-04	-17.25	0.0	-8.06	-15.22	0.18	0.0	-0.02	0.47
		-12.80	-0.02	-2.64e-06	0.0	55.7	-8.06	-32.47	0.18	0.0	0.08	-12.80
12	21	0.64	0.05	3.19e-04	-11.61	0.0	-6.22	-9.07	0.11	0.0	-0.01	0.64
		-7.64	-0.01	-2.73e-06	0.0	55.7	-6.22	-20.68	0.11	0.0	0.05	-7.64
12	28	-0.27	0.09	6.32e-04	-17.25	0.0	-6.61	-17.20	0.20	0.0	-0.02	-0.27
		-14.65	-0.02	0.0	0.0	55.7	-6.61	-34.45	0.20	0.0	0.09	-14.65
12	45	-0.83	0.03	3.04e-04	-4.84	0.0	-2.05	-8.57	0.07	0.0	-0.01	-0.83
		-6.95	-0.01	1.78e-06	0.0	55.7	-2.05	-13.41	0.07	0.0	0.03	-6.95
12	68	0.27	0.06	3.85e-04	-11.85	0.0	-5.72	-10.88	0.13	0.0	-0.01	0.27
		-9.08	-0.01	-1.65e-06	0.0	55.7	-5.72	-22.73	0.13	0.0	0.06	-9.08

12	74	0.38	0.04	3.04e-04	-9.91	0.0	-5.37	-8.70	0.10	0.0	-0.01	0.38
		-7.22	-0.01	-1.76e-06	0.0	55.7	-5.37	-18.61	0.10	0.0	0.04	-7.22
12	80	-0.22	0.06	4.45e-04	-11.85	0.0	-4.75	-12.20	0.14	0.0	-0.02	-0.22
		-10.31	-0.02	0.0	0.0	55.7	-4.75	-24.05	0.14	0.0	0.06	-10.31
12	85	-0.60	0.03	2.94e-04	-5.40	0.0	-2.59	-8.36	0.07	0.0	-0.01	-0.60
		-6.76	-0.01	1.25e-06	0.0	55.7	-2.59	-13.77	0.07	0.0	0.03	-6.76
12	98	-0.04	0.05	3.53e-04	-9.91	0.0	-4.54	-9.79	0.11	0.0	-0.01	-0.04
		-8.25	-0.01	0.0	0.0	55.7	-4.54	-19.70	0.11	0.0	0.05	-8.25
12	103	0.02	0.04	3.27e-04	-9.27	0.0	-4.54	-9.21	0.10	0.0	-0.01	0.02
		-7.68	-0.01	0.0	0.0	55.7	-4.54	-18.48	0.10	0.0	0.04	-7.68
12	104	-0.28	0.03	2.54e-04	-5.40	0.0	-3.21	-7.48	0.07	0.0	-9.47e-03	-0.28
		-5.94	-9.47e-03	0.0	0.0	55.7	-3.21	-12.88	0.07	0.0	0.03	-5.94
12	106	-0.19	0.03	2.44e-04	-5.40	0.0	-3.37	-7.26	0.06	0.0	-9.14e-03	-0.19
		-5.74	-9.14e-03	0.0	0.0	55.7	-3.37	-12.66	0.06	0.0	0.03	-5.74
12	107	-0.06	0.04	3.37e-04	-9.27	0.0	-4.37	-9.43	0.10	0.0	-0.01	-0.06
		-7.89	-0.01	0.0	0.0	55.7	-4.37	-18.70	0.10	0.0	0.04	-7.89
12	113	0.59	0.44	2.40e-04	-9.27	0.0	7.15	-7.91	0.80	0.0	-4.90e-04	0.59
		-6.41	-4.90e-04	9.60e-06	0.0	55.7	7.15	-17.18	0.80	0.0	0.44	-6.41
12	114	-0.71	-0.02	4.35e-04	-9.27	0.0	-15.90	-10.94	-0.59	0.0	-0.02	-0.71
		-9.37	-0.35	-1.02e-05	0.0	55.7	-15.90	-20.21	-0.59	0.0	-0.35	-9.37
12	133	-2.96	0.37	7.31e-04	-9.27	0.0	8.32	-19.87	0.67	0.0	-0.01	-2.96
		-16.60	-0.01	-1.87e-05	0.0	55.7	8.32	-29.14	0.67	0.0	0.37	-16.60
12	134	2.87	-0.01	-5.65e-05	-9.27	0.0	-17.06	1.02	-0.47	0.0	-0.01	2.84
		0.82	-0.28	1.82e-05	0.0	55.7	-17.06	-8.25	-0.47	0.0	-0.28	0.82
12	136	4.37	-4.85e-03	-2.01e-04	-9.27	0.0	-12.32	4.13	-0.16	0.0	-4.85e-03	3.86
		3.57	-0.10	2.71e-05	0.0	55.7	-12.32	-5.14	-0.16	0.0	-0.10	3.57
12	139	-3.98	0.19	8.75e-04	-9.27	0.0	3.58	-22.99	0.37	0.0	-0.02	-3.98
		-19.35	-0.02	-2.77e-05	0.0	55.7	3.58	-32.26	0.37	0.0	0.19	-19.35
12	145	0.67	0.49	2.27e-04	-9.27	0.0	8.58	-7.72	0.88	0.0	1.01e-03	0.67
		-6.22	1.01e-03	1.14e-05	0.0	55.7	8.58	-16.99	0.88	0.0	0.49	-6.22
12	146	-0.79	-0.03	4.47e-04	-9.27	0.0	-17.33	-11.13	-0.68	0.0	-0.03	-0.79
		-9.56	-0.40	-1.20e-05	0.0	55.7	-17.33	-20.40	-0.68	0.0	-0.40	-9.56
12	165	-3.33	0.41	7.80e-04	-9.27	0.0	9.90	-21.18	0.74	0.0	-0.01	-3.33
		-17.69	-0.01	-2.06e-05	0.0	55.7	9.90	-30.45	0.74	0.0	0.41	-17.69
12	166	3.37	-0.01	-1.06e-04	-9.27	0.0	-18.65	2.33	-0.54	0.0	-0.01	3.21
		1.92	-0.32	2.01e-05	0.0	55.7	-18.65	-6.94	-0.54	0.0	-0.32	1.92
12	168	5.37	-3.90e-03	-2.69e-04	-9.27	0.0	-13.33	5.84	-0.20	0.0	-3.90e-03	4.36
		4.36	-0.12	3.12e-05	0.0	55.7	-13.33	-3.43	-0.20	0.0	-0.12	5.02
12	171	-4.48	0.21	9.43e-04	-9.27	0.0	4.59	-24.69	0.40	0.0	-0.02	-4.48
		-20.79	-0.02	-3.17e-05	0.0	55.7	4.59	-33.96	0.40	0.0	0.21	-20.79
12	177	0.64	0.47	2.28e-04	-9.27	0.0	7.81	-7.82	0.84	0.0	7.18e-04	0.64
		-6.30	7.18e-04	2.79e-05	0.0	55.7	7.81	-17.09	0.84	0.0	0.47	-6.30
12	178	-0.76	-0.03	4.47e-04	-9.27	0.0	-16.56	-11.03	-0.64	0.0	-0.03	-0.76
		-9.48	-0.38	-2.85e-05	0.0	55.7	-16.56	-20.30	-0.64	0.0	-0.38	-9.48
12	197	-3.31	0.39	7.76e-04	-9.27	0.0	9.51	-21.08	0.72	0.0	-0.01	-3.31
		-17.62	-0.01	-1.20e-05	0.0	55.7	9.51	-30.35	0.72	0.0	0.39	-17.62
12	198	3.33	-0.01	-1.02e-04	-9.27	0.0	-18.26	2.22	-0.52	0.0	-0.01	3.19
		1.84	-0.30	1.14e-05	0.0	55.7	-18.26	-7.05	-0.52	0.0	-0.30	1.84
12	200	5.30	-4.18e-03	-2.67e-04	-9.27	0.0	-13.42	5.70	-0.20	0.0	-4.18e-03	4.33
		4.33	-0.12	3.57e-05	0.0	55.7	-13.42	-3.57	-0.20	0.0	-0.12	4.92
12	203	-4.45	0.21	9.41e-04	-9.27	0.0	4.67	-24.56	0.41	0.0	-0.02	-4.45
		-20.70	-0.02	-3.63e-05	0.0	55.7	4.67	-33.83	0.41	0.0	0.21	-20.70
12	209	0.76	0.53	2.08e-04	-9.27	0.0	9.50	-7.56	0.95	0.0	2.85e-03	0.76
		-6.04	2.85e-03	4.25e-05	0.0	55.7	9.50	-16.83	0.95	0.0	0.53	-6.04
12	210	-0.88	-0.03	4.66e-04	-9.27	0.0	-18.24	-11.29	-0.75	0.0	-0.03	-0.88
		-9.74	-0.44	-4.31e-05	0.0	55.7	-18.24	-20.56	-0.75	0.0	-0.44	-9.74
12	229	-3.85	0.45	8.49e-04	-9.27	0.0	11.70	-23.02	0.81	0.0	-0.01	-3.85
		-19.24	-0.01	-9.79e-06	0.0	55.7	11.70	-32.29	0.81	0.0	0.45	-19.24
12	230	4.25	-0.01	-1.75e-04	-9.27	0.0	-20.44	4.16	-0.61	0.0	-0.01	3.73
		3.46	-0.36	8.99e-06	0.0	55.7	-20.44	-5.11	-0.61	0.0	-0.36	3.46
12	232	7.13	-2.77e-03	-3.71e-04	-9.27	0.0	-14.96	8.28	-0.25	0.0	-2.77e-03	5.09
		5.09	-0.15	4.48e-05	0.0	55.7	-14.96	-0.99	-0.25	0.0	-0.15	7.10
12	235	-5.21	0.24	1.05e-03	-9.27	0.0	6.22	-27.13	0.46	0.0	-0.02	-5.21
		-22.88	-0.02	-4.54e-05	0.0	55.7	6.22	-36.40	0.46	0.0	0.24	-22.88
13	4	3.21	-4.21e-03	3.26e-04	-17.25	0.0	-4.19	4.22	-0.03	0.0	-4.21e-03	2.92
		0.47	-0.02	0.0	0.0	55.7	-4.19	-13.03	-0.03	0.0	-0.02	0.47
13	19	1.20	-1.34e-03	8.24e-05	-4.84	0.0	-2.56	1.13	-8.53e-03	0.0	-1.34e-03	1.12
		0.41	-6.08e-03	0.0	0.0	55.7	-2.56	-3.71	-8.53e-03	0.0	-6.08e-03	0.41
13	28	2.80	-5.59e-03	4.09e-04	-17.25	0.0	-3.23	3.44	-0.03	0.0	-5.59e-03	2.62
		-0.27	-0.02	2.22e-06	0.0	55.7	-3.23	-13.81	-0.03	0.0	-0.02	-0.27
13	42	1.15	-4.81e-03	3.01e-04	-7.58	0.0	-1.77	0.19	-0.02	0.0	-4.81e-03	1.15
		-0.85	-0.02	3.44e-06	0.0	55.7	-1.77	-7.39	-0.02	0.0	-0.02	-0.85
13	45	0.61	-3.65e-03	2.21e-04	-4.84	0.0	-0.96	-0.17	-0.01	0.0	-3.65e-03	0.61
		-0.83	-0.01	3.13e-06	0.0	55.7	-0.96	-5.01	-0.01	0.0	-0.01	-0.83
13	68	2.20	-3.10e-03	2.33e-04	-11.85	0.0	-2.99	2.79	-0.02	0.0	-3.10e-03	2.02

		0.27	-0.01	0.0	0.0	55.7	-2.99	-9.06	-0.02	0.0	-0.01	0.27
13	72	1.18	-1.82e-03	1.14e-04	-5.40	0.0	-2.36	1.09	-0.01	0.0	-1.82e-03	1.12
		0.22	-7.43e-03	0.0	0.0	55.7	-2.36	-4.31	-0.01	0.0	-7.43e-03	0.22
13	80	1.93	-4.02e-03	2.88e-04	-11.85	0.0	-2.35	2.27	-0.02	0.0	-4.02e-03	1.81
		-0.22	-0.02	1.69e-06	0.0	55.7	-2.35	-9.58	-0.02	0.0	-0.02	-0.22
13	85	0.78	-3.36e-03	2.06e-04	-5.40	0.0	-1.29	0.22	-0.01	0.0	-3.36e-03	0.78
		-0.60	-0.01	2.56e-06	0.0	55.7	-1.29	-5.18	-0.01	0.0	-0.01	-0.60
13	86	0.84	-3.50e-03	2.16e-04	-5.40	0.0	-1.37	0.10	-0.01	0.0	-3.50e-03	0.84
		-0.61	-0.01	2.51e-06	0.0	55.7	-1.37	-5.30	-0.01	0.0	-0.01	-0.61
13	98	1.70	-3.19e-03	2.23e-04	-9.91	0.0	-2.35	2.05	-0.02	0.0	-3.19e-03	1.58
		-0.04	-0.01	1.21e-06	0.0	55.7	-2.35	-7.86	-0.02	0.0	-0.01	-0.04
13	102	1.01	-2.46e-03	1.51e-04	-5.40	0.0	-1.93	0.74	-0.01	0.0	-2.46e-03	0.98
		-0.11	-8.80e-03	1.16e-06	0.0	55.7	-1.93	-4.66	-0.01	0.0	-8.80e-03	-0.11
13	103	1.63	-2.95e-03	2.05e-04	-9.27	0.0	-2.39	1.94	-0.02	0.0	-2.95e-03	1.52
		0.02	-0.01	0.0	0.0	55.7	-2.39	-7.33	-0.02	0.0	-0.01	0.02
13	104	0.93	-2.76e-03	1.69e-04	-5.40	0.0	-1.71	0.57	-0.01	0.0	-2.76e-03	0.91
		-0.28	-9.47e-03	1.69e-06	0.0	55.7	-1.71	-4.83	-0.01	0.0	-9.47e-03	-0.28
13	106	0.97	-2.62e-03	1.60e-04	-5.40	0.0	-1.82	0.66	-0.01	0.0	-2.62e-03	0.94
		-0.19	-9.14e-03	1.47e-06	0.0	55.7	-1.82	-4.74	-0.01	0.0	-9.14e-03	-0.19
13	107	1.59	-3.11e-03	2.14e-04	-9.27	0.0	-2.28	1.85	-0.02	0.0	-3.11e-03	1.49
		-0.06	-0.01	1.24e-06	0.0	55.7	-2.28	-7.42	-0.02	0.0	-0.01	-0.06
13	111	2.04	7.56e-03	5.44e-04	-9.27	0.0	-7.31	-0.62	-0.07	0.0	7.56e-03	2.04
		-2.59	-0.03	9.60e-06	0.0	55.7	-7.31	-9.89	-0.07	0.0	-0.03	-2.59
13	114	2.90	0.01	3.12e-04	-9.27	0.0	-10.39	1.21	-0.06	0.0	0.01	2.90
		-0.71	-0.02	7.92e-06	0.0	55.7	-10.39	-8.06	-0.06	0.0	-0.02	-0.71
13	133	-0.47	-0.01	5.52e-04	-9.27	0.0	6.79	-0.78	-0.02	0.0	-0.01	-0.47
		-2.96	-0.01	-2.58e-05	0.0	55.7	6.79	-10.04	-0.02	0.0	-0.01	-2.96
13	134	3.83	6.89e-03	-1.23e-04	-9.27	0.0	-11.34	4.48	-0.02	0.0	6.89e-03	3.45
		2.84	-0.01	2.83e-05	0.0	55.7	-11.34	-4.79	-0.02	0.0	-0.01	2.84
13	136	4.32	8.15e-04	-2.56e-04	-9.27	0.0	-8.02	5.42	7.99e-03	0.0	8.15e-04	3.46
		3.46	-4.85e-03	2.59e-05	0.0	55.7	-8.02	-3.85	7.99e-03	0.0	-4.85e-03	3.86
13	139	-0.48	-7.02e-03	6.85e-04	-9.27	0.0	3.46	-1.71	-0.04	0.0	-7.02e-03	-0.48
		-3.98	-0.02	-2.34e-05	0.0	55.7	3.46	-10.98	-0.04	0.0	-0.02	-3.98
13	143	2.11	8.90e-03	5.86e-04	-9.27	0.0	-7.94	-0.93	-0.08	0.0	8.90e-03	2.11
		-2.90	-0.03	1.01e-05	0.0	55.7	-7.94	-10.20	-0.08	0.0	-0.03	-2.90
13	146	3.08	0.01	3.25e-04	-9.27	0.0	-11.40	1.13	-0.06	0.0	0.01	3.08
		-0.79	-0.03	8.20e-06	0.0	55.7	-11.40	-8.14	-0.06	0.0	-0.03	-0.79
13	165	-0.72	-0.01	5.94e-04	-9.27	0.0	7.92	-1.11	-0.02	0.0	-0.01	-0.72
		-3.33	-0.01	-2.88e-05	0.0	55.7	7.92	-10.37	-0.02	0.0	-0.01	-3.33
13	166	4.12	8.13e-03	-1.66e-04	-9.27	0.0	-12.47	4.81	-0.01	0.0	8.13e-03	3.70
		3.21	-0.01	3.13e-05	0.0	55.7	-12.47	-4.46	-0.01	0.0	-0.01	3.21
13	168	4.72	1.32e-03	-3.16e-04	-9.27	0.0	-8.75	5.87	0.01	0.0	1.32e-03	3.70
		3.70	-3.90e-03	2.95e-05	0.0	55.7	-8.75	-3.40	0.01	0.0	-3.90e-03	4.36
13	171	-0.73	-7.53e-03	7.44e-04	-9.27	0.0	4.19	-2.16	-0.04	0.0	-7.53e-03	-0.73
		-4.48	-0.02	-2.70e-05	0.0	55.7	4.19	-11.43	-0.04	0.0	-0.02	-4.48
13	175	2.07	8.24e-03	5.81e-04	-9.27	0.0	-7.54	-0.90	-0.07	0.0	8.24e-03	2.07
		-2.84	-0.03	-6.18e-06	0.0	55.7	-7.54	-10.17	-0.07	0.0	-0.03	-2.84
13	178	3.03	0.01	3.25e-04	-9.27	0.0	-10.86	1.13	-0.06	0.0	0.01	3.03
		-0.76	-0.03	-8.17e-06	0.0	55.7	-10.86	-8.14	-0.06	0.0	-0.03	-0.76
13	197	-0.69	-0.01	5.91e-04	-9.27	0.0	7.65	-1.07	-0.02	0.0	-0.01	-0.69
		-3.31	-0.01	-2.04e-05	0.0	55.7	7.65	-10.34	-0.02	0.0	-0.01	-3.31
13	198	4.09	7.67e-03	-1.63e-04	-9.27	0.0	-12.21	4.78	-0.02	0.0	7.67e-03	3.67
		3.19	-0.01	2.29e-05	0.0	55.7	-12.21	-4.49	-0.02	0.0	-0.01	3.19
13	200	4.69	1.37e-03	-3.14e-04	-9.27	0.0	-8.81	5.85	9.42e-03	0.0	1.37e-03	3.68
		3.68	-4.18e-03	3.36e-05	0.0	55.7	-8.81	-3.42	9.42e-03	0.0	-4.18e-03	4.33
13	203	-0.71	-7.58e-03	7.43e-04	-9.27	0.0	4.25	-2.14	-0.04	0.0	-7.58e-03	-0.71
		-4.45	-0.02	-3.11e-05	0.0	55.7	4.25	-11.41	-0.04	0.0	-0.02	-4.45
13	207	2.16	9.85e-03	6.43e-04	-9.27	0.0	-8.21	-1.37	-0.08	0.0	9.85e-03	2.16
		-3.29	-0.03	-1.71e-05	0.0	55.7	-8.21	-10.64	-0.08	0.0	-0.03	-3.29
13	210	3.27	0.01	3.44e-04	-9.27	0.0	-12.05	0.99	-0.07	0.0	0.01	3.27
		-0.88	-0.03	-1.95e-05	0.0	55.7	-12.05	-8.28	-0.07	0.0	-0.03	-0.88
13	229	-1.05	-0.01	6.54e-04	-9.27	0.0	9.21	-1.56	-0.02	0.0	-0.02	-1.05
		-3.85	-0.02	-1.97e-05	0.0	55.7	9.21	-10.83	-0.02	0.0	-0.02	-3.85
13	230	4.53	9.29e-03	-2.26e-04	-9.27	0.0	-13.77	5.26	-0.02	0.0	9.29e-03	4.03
		3.73	-0.01	2.22e-05	0.0	55.7	-13.77	-4.01	-0.02	0.0	-0.01	3.73
13	232	5.32	2.11e-03	-4.06e-04	-9.27	0.0	-9.92	6.54	0.01	0.0	2.11e-03	4.05
		4.05	-2.77e-03	4.19e-05	0.0	55.7	-9.92	-2.73	0.01	0.0	-2.77e-03	5.09
13	235	-1.08	-8.32e-03	8.34e-04	-9.27	0.0	5.37	-2.83	-0.05	0.0	-8.32e-03	-1.08
		-5.21	-0.02	-3.94e-05	0.0	55.7	5.37	-12.10	-0.05	0.0	-0.02	-5.21
14	4	3.10	-4.21e-03	1.88e-04	-17.25	0.0	-1.13	13.90	0.11	0.0	-0.06	-0.01
		-0.01	-0.06	0.0	0.0	55.7	-1.13	-3.35	0.11	0.0	-4.21e-03	2.92
14	18	2.74	-3.36e-03	1.38e-04	-14.35	0.0	-1.15	11.90	0.08	0.0	-0.05	-0.01
		-0.01	-0.05	0.0	0.0	55.7	-1.15	-2.45	0.08	0.0	-3.36e-03	2.62
14	19	1.13	-1.34e-03	3.47e-05	-4.84	0.0	-0.72	4.45	0.02	0.0	-0.01	-5.71e-03
		-5.71e-03	-0.01	0.0	0.0	55.7	-0.72	-0.39	0.02	0.0	-1.34e-03	1.12

14	28	2.86	-5.59e-03	2.72e-04	-17.25	0.0	-0.81	13.34	0.14	0.0	-0.08	-0.01
		-0.01	-0.08	2.71e-06	0.0	55.7	-0.81	-3.91	0.14	0.0	-5.59e-03	2.62
14	45	0.71	-3.65e-03	1.74e-04	-4.84	0.0	-0.19	3.53	0.07	0.0	-0.04	-5.34e-03
		-5.34e-03	-0.04	3.47e-06	0.0	55.7	-0.19	-1.32	0.07	0.0	-3.65e-03	0.61
14	68	2.14	-3.10e-03	1.37e-04	-11.85	0.0	-0.80	9.57	0.08	0.0	-0.05	-8.67e-03
		-8.67e-03	-0.05	0.0	0.0	55.7	-0.80	-2.28	0.08	0.0	-3.10e-03	2.02
14	72	1.14	-1.82e-03	6.25e-05	-5.40	0.0	-0.65	4.72	0.03	0.0	-0.02	-5.90e-03
		-5.90e-03	-0.02	0.0	0.0	55.7	-0.65	-0.68	0.03	0.0	-1.82e-03	1.12
14	75	1.89	-2.53e-03	1.04e-04	-9.91	0.0	-0.81	8.23	0.06	0.0	-0.04	-7.99e-03
		-7.99e-03	-0.04	0.0	0.0	55.7	-0.81	-1.68	0.06	0.0	-2.53e-03	1.82
14	80	1.98	-4.02e-03	1.93e-04	-11.85	0.0	-0.59	9.20	0.10	0.0	-0.06	-8.52e-03
		-8.52e-03	-0.06	2.05e-06	0.0	55.7	-0.59	-2.65	0.10	0.0	-4.02e-03	1.81
14	85	0.86	-3.36e-03	1.55e-04	-5.40	0.0	-0.29	4.11	0.07	0.0	-0.04	-5.65e-03
		-5.65e-03	-0.04	2.87e-06	0.0	55.7	-0.29	-1.30	0.07	0.0	-3.36e-03	0.78
14	98	1.70	-3.19e-03	1.43e-04	-9.91	0.0	-0.61	7.81	0.07	0.0	-0.04	-7.47e-03
		-7.47e-03	-0.04	1.49e-06	0.0	55.7	-0.61	-2.11	0.07	0.0	-3.19e-03	1.58
14	102	1.02	-2.46e-03	9.96e-05	-5.40	0.0	-0.49	4.47	0.05	0.0	-0.03	-5.81e-03
		-5.81e-03	-0.03	1.39e-06	0.0	55.7	-0.49	-0.93	0.05	0.0	-2.46e-03	0.98
14	103	1.63	-2.95e-03	1.29e-04	-9.27	0.0	-0.62	7.38	0.07	0.0	-0.04	-7.25e-03
		-7.25e-03	-0.04	1.19e-06	0.0	55.7	-0.62	-1.89	0.07	0.0	-2.95e-03	1.52
14	104	0.97	-2.76e-03	1.18e-04	-5.40	0.0	-0.42	4.35	0.05	0.0	-0.03	-5.76e-03
		-5.76e-03	-0.03	1.95e-06	0.0	55.7	-0.42	-1.06	0.05	0.0	-2.76e-03	0.91
14	105	1.57	-3.25e-03	1.48e-04	-9.27	0.0	-0.55	7.26	0.07	0.0	-0.04	-7.20e-03
		-7.20e-03	-0.04	1.75e-06	0.0	55.7	-0.55	-2.01	0.07	0.0	-3.25e-03	1.45
14	106	0.99	-2.62e-03	1.09e-04	-5.40	0.0	-0.45	4.41	0.05	0.0	-0.03	-5.79e-03
		-5.79e-03	-0.03	1.72e-06	0.0	55.7	-0.45	-1.00	0.05	0.0	-2.62e-03	0.94
14	107	1.60	-3.11e-03	1.38e-04	-9.27	0.0	-0.59	7.32	0.07	0.0	-0.04	-7.23e-03
		-7.23e-03	-0.04	1.52e-06	0.0	55.7	-0.59	-1.95	0.07	0.0	-3.11e-03	1.49
14	113	0.68	-0.02	3.91e-05	-9.27	0.0	1.60	4.77	0.32	0.0	-0.20	-0.02
		-0.02	-0.20	-1.93e-05	0.0	55.7	1.60	-4.50	0.32	0.0	-0.02	0.08
14	114	2.90	0.11	2.37e-04	-9.27	0.0	-2.77	9.87	-0.18	0.0	0.11	7.66e-04
		7.66e-04	0.01	2.23e-05	0.0	55.7	-2.77	0.60	-0.18	0.0	0.01	2.90
14	133	0.42	-0.01	4.89e-04	-9.27	0.0	1.83	3.79	0.24	0.0	-0.15	-6.72e-03
		-0.47	-0.15	-3.27e-05	0.0	55.7	1.83	-5.48	0.24	0.0	-0.01	-0.47
14	134	3.45	0.06	-2.13e-04	-9.27	0.0	-3.01	10.85	-0.10	0.0	0.06	-7.74e-03
		-7.74e-03	6.89e-03	3.57e-05	0.0	55.7	-3.01	1.58	-0.10	0.0	6.89e-03	3.45
14	136	3.46	8.15e-04	-3.50e-04	-9.27	0.0	-2.11	10.86	7.31e-03	0.0	-3.26e-03	-0.01
		-0.01	-3.26e-03	2.33e-05	0.0	55.7	-2.11	1.60	7.31e-03	0.0	8.15e-04	3.46
14	139	0.42	-7.02e-03	6.26e-04	-9.27	0.0	0.94	3.78	0.13	0.0	-0.08	-1.34e-03
		-0.48	-0.08	-2.02e-05	0.0	55.7	0.94	-5.49	0.13	0.0	-7.02e-03	-0.48
14	145	0.59	-0.02	2.64e-05	-9.27	0.0	1.87	4.45	0.35	0.0	-0.21	-0.02
		-0.10	-0.21	-2.14e-05	0.0	55.7	1.87	-4.82	0.35	0.0	-0.02	-0.10
14	146	3.08	0.13	2.50e-04	-9.27	0.0	-3.04	10.19	-0.21	0.0	0.13	1.77e-03
		1.77e-03	0.01	2.44e-05	0.0	55.7	-3.04	0.92	-0.21	0.0	0.01	3.08
14	165	0.33	-0.01	5.33e-04	-9.27	0.0	2.14	3.35	0.26	0.0	-0.16	-6.64e-03
		-0.72	-0.16	-3.66e-05	0.0	55.7	2.14	-5.92	0.26	0.0	-0.01	-0.72
14	166	3.70	0.08	-2.57e-04	-9.27	0.0	-3.31	11.30	-0.12	0.0	0.08	-7.82e-03
		-7.82e-03	8.13e-03	3.97e-05	0.0	55.7	-3.31	2.03	-0.12	0.0	8.13e-03	3.70
14	168	3.70	1.66e-03	-4.11e-04	-9.27	0.0	-2.31	11.31	-6.21e-04	0.0	1.66e-03	-0.01
		-0.01	1.32e-03	2.64e-05	0.0	55.7	-2.31	2.04	-6.21e-04	0.0	1.32e-03	3.70
14	171	0.33	-7.53e-03	6.88e-04	-9.27	0.0	1.13	3.33	0.14	0.0	-0.09	-5.61e-04
		-0.73	-0.09	-2.34e-05	0.0	55.7	1.13	-5.94	0.14	0.0	-7.53e-03	-0.73
14	177	0.61	-0.02	2.76e-05	-9.27	0.0	1.73	4.54	0.34	0.0	-0.21	-0.02
		-0.05	-0.21	-5.51e-06	0.0	55.7	1.73	-4.73	0.34	0.0	-0.02	-0.05
14	178	3.03	0.12	2.49e-04	-9.27	0.0	-2.90	10.10	-0.20	0.0	0.12	1.75e-03
		1.75e-03	0.01	8.56e-06	0.0	55.7	-2.90	0.83	-0.20	0.0	0.01	3.03
14	197	0.34	-0.01	5.30e-04	-9.27	0.0	2.06	3.40	0.26	0.0	-0.16	-6.56e-03
		-0.69	-0.16	-2.87e-05	0.0	55.7	2.06	-5.87	0.26	0.0	-0.01	-0.69
14	198	3.67	0.07	-2.54e-04	-9.27	0.0	-3.24	11.24	-0.12	0.0	0.07	-7.90e-03
		-7.90e-03	7.67e-03	3.18e-05	0.0	55.7	-3.24	1.98	-0.12	0.0	7.67e-03	3.67
14	200	3.68	2.12e-03	-4.10e-04	-9.27	0.0	-2.32	11.27	-1.37e-03	0.0	2.12e-03	-0.01
		-0.01	1.37e-03	2.97e-05	0.0	55.7	-2.32	2.00	-1.37e-03	0.0	1.37e-03	3.68
14	203	0.34	-7.58e-03	6.86e-04	-9.27	0.0	1.15	3.37	0.14	0.0	-0.09	-3.86e-04
		-0.71	-0.09	-2.67e-05	0.0	55.7	1.15	-5.90	0.14	0.0	-7.58e-03	-0.71
14	209	0.50	-0.02	-9.96e-06	-9.27	0.0	2.05	4.10	0.38	0.0	-0.23	-0.02
		-0.29	-0.23	3.24e-06	0.0	55.7	2.05	-5.16	0.38	0.0	-0.02	-0.29
14	210	3.27	0.15	2.68e-04	-9.27	0.0	-3.22	10.54	-0.24	0.0	0.15	3.31e-03
		3.31e-03	0.01	-1.02e-06	0.0	55.7	-3.22	1.27	-0.24	0.0	0.01	3.27
14	229	0.22	-0.02	5.96e-04	-9.27	0.0	2.48	2.75	0.29	0.0	-0.17	-6.38e-03
		-1.05	-0.17	-2.98e-05	0.0	55.7	2.48	-6.52	0.29	0.0	-0.02	-1.05
14	230	4.03	0.09	-3.19e-04	-9.27	0.0	-3.65	11.89	-0.15	0.0	0.09	-8.08e-03
		-8.08e-03	9.29e-03	3.29e-05	0.0	55.7	-3.65	2.62	-0.15	0.0	9.29e-03	4.03
14	232	4.05	9.26e-03	-5.05e-04	-9.27	0.0	-2.62	11.94	-0.01	0.0	9.26e-03	-0.02
		-0.02	2.11e-03	3.68e-05	0.0	55.7	-2.62	2.67	-0.01	0.0	2.11e-03	4.05
14	235	0.22	-8.32e-03	7.81e-04	-9.27	0.0	1.45	2.70	0.15	0.0	-0.09	9.89e-04

		-1.08	-0.09	-3.38e-05	0.0	55.7	1.45	-6.57	0.15	0.0	-8.32e-03	-1.08
15	19	1.42	3.18e-03	-2.16e-04	-9.47	0.0	-0.42	2.51	6.97e-03	0.0	-6.96e-04	1.24
		4.40e-03	-6.96e-04	2.66e-06	0.0	55.6	-0.42	-6.96	6.97e-03	0.0	3.18e-03	4.40e-03
15	28	5.98	-2.91e-03	-2.45e-04	-34.30	0.0	-0.98	7.14	-0.05	0.0	-2.91e-03	5.57
		9.44e-03	-0.03	4.71e-06	0.0	55.6	-0.98	-27.16	-0.05	0.0	-0.03	9.44e-03
15	44	5.09	-2.91e-03	-1.98e-04	-28.48	0.0	-0.96	5.66	-0.06	0.0	-2.91e-03	4.78
		8.76e-03	-0.03	3.43e-06	0.0	55.6	-0.96	-22.82	-0.06	0.0	-0.03	8.76e-03
15	72	1.67	-9.19e-04	-1.98e-04	-10.59	0.0	-0.45	2.62	-1.07e-03	0.0	-9.19e-04	1.49
		4.62e-03	-1.51e-03	2.61e-06	0.0	55.6	-0.45	-7.98	-1.07e-03	0.0	-1.51e-03	4.62e-03
15	80	4.10	-2.07e-03	-1.81e-04	-23.53	0.0	-0.71	4.91	-0.03	0.0	-2.07e-03	3.81
		6.80e-03	-0.02	3.35e-06	0.0	55.6	-0.71	-18.62	-0.03	0.0	-0.02	6.80e-03
15	88	3.50	-2.08e-03	-1.49e-04	-19.65	0.0	-0.69	3.92	-0.04	0.0	-2.08e-03	3.29
		6.35e-03	-0.02	2.50e-06	0.0	55.6	-0.69	-15.72	-0.04	0.0	-0.02	6.35e-03
15	98	3.30	-1.59e-03	-1.85e-04	-19.65	0.0	-0.59	4.38	-0.02	0.0	-1.59e-03	3.03
		5.90e-03	-0.01	3.30e-06	0.0	55.6	-0.59	-15.27	-0.02	0.0	-0.01	5.90e-03
15	102	1.76	-1.19e-03	-1.63e-04	-10.59	0.0	-0.47	2.40	-0.01	0.0	-1.19e-03	1.61
		4.69e-03	-8.21e-03	2.31e-06	0.0	55.6	-0.47	-8.19	-0.01	0.0	-8.21e-03	4.69e-03
15	105	3.11	-1.62e-03	-1.71e-04	-18.36	0.0	-0.59	4.03	-0.02	0.0	-1.62e-03	2.87
		5.76e-03	-0.02	2.96e-06	0.0	55.6	-0.59	-14.32	-0.02	0.0	-0.02	5.76e-03
15	106	1.79	-1.26e-03	-1.54e-04	-10.59	0.0	-0.48	2.34	-0.02	0.0	-1.26e-03	1.65
		4.71e-03	-9.89e-03	2.23e-06	0.0	55.6	-0.48	-8.25	-0.02	0.0	-9.89e-03	4.71e-03
15	107	3.08	-1.55e-03	-1.80e-04	-18.36	0.0	-0.58	4.09	-0.02	0.0	-1.55e-03	2.83
		5.73e-03	-0.01	3.15e-06	0.0	55.6	-0.58	-14.27	-0.02	0.0	-0.01	5.73e-03
15	108	3.04	-0.02	-3.76e-04	-18.36	0.0	-0.80	4.17	-0.52	0.0	-0.02	2.78
		9.91e-04	-0.31	1.83e-04	0.0	55.6	-0.80	-14.18	-0.52	0.0	-0.31	9.91e-04
15	121	3.62	-0.03	-2.55e-05	-18.36	0.0	-1.10	2.88	-0.65	0.0	-0.03	3.50
		2.19e-03	-0.39	1.93e-04	0.0	55.6	-1.10	-15.47	-0.65	0.0	-0.39	2.19e-03
15	122	2.59	0.37	-3.69e-04	-18.36	0.0	-0.06	5.30	0.61	0.0	0.03	2.17
		9.27e-03	0.03	-1.87e-04	0.0	55.6	-0.06	-13.06	0.61	0.0	0.37	9.27e-03
15	129	4.18	-0.02	2.46e-04	-18.36	0.0	-1.13	1.75	-0.37	0.0	-0.02	4.14
		6.17e-03	-0.22	1.31e-04	0.0	55.6	-1.13	-16.61	-0.37	0.0	-0.22	6.17e-03
15	137	4.09	-0.02	2.07e-04	-18.36	0.0	-1.21	1.93	-0.43	0.0	-0.02	4.03
		6.00e-03	-0.26	2.31e-06	0.0	55.6	-1.21	-16.43	-0.43	0.0	-0.26	6.00e-03
15	138	2.22	0.23	-5.68e-04	-18.36	0.0	0.06	6.25	0.39	0.0	0.02	1.63
		5.46e-03	0.02	5.79e-06	0.0	55.6	0.06	-12.10	0.39	0.0	0.23	5.46e-03
15	140	3.04	-0.03	-4.01e-04	-18.36	0.0	-0.83	4.18	-0.58	0.0	-0.03	2.78
		3.89e-04	-0.35	2.06e-04	0.0	55.6	-0.83	-14.18	-0.58	0.0	-0.35	3.89e-04
15	153	3.70	-0.03	3.20e-05	-18.36	0.0	-1.16	2.73	-0.74	0.0	-0.03	3.59
		1.72e-03	-0.44	2.18e-04	0.0	55.6	-1.16	-15.63	-0.74	0.0	-0.44	1.72e-03
15	154	2.53	0.42	-3.93e-04	-18.36	0.0	8.34e-03	5.45	0.70	0.0	0.03	2.08
		9.74e-03	0.03	-2.12e-04	0.0	55.6	8.34e-03	-12.90	0.70	0.0	0.42	9.74e-03
15	161	4.33	-0.02	3.00e-04	-18.36	0.0	-1.19	1.45	-0.42	0.0	-0.02	4.30
		6.22e-03	-0.25	1.48e-04	0.0	55.6	-1.19	-16.90	-0.42	0.0	-0.25	6.22e-03
15	169	4.22	-0.02	2.56e-04	-18.36	0.0	-1.29	1.66	-0.49	0.0	-0.02	4.18
		6.03e-03	-0.29	2.32e-06	0.0	55.6	-1.29	-16.70	-0.49	0.0	-0.29	6.03e-03
15	170	2.12	0.27	-6.16e-04	-18.36	0.0	0.13	6.52	0.45	0.0	0.02	1.48
		5.43e-03	0.02	6.20e-06	0.0	55.6	0.13	-11.83	0.45	0.0	0.27	5.43e-03
15	172	3.04	-0.03	-3.96e-04	-18.36	0.0	-0.83	4.18	-0.58	0.0	-0.03	2.78
		3.63e-04	-0.35	2.06e-04	0.0	55.6	-0.83	-14.17	-0.58	0.0	-0.35	3.63e-04
15	185	3.70	-0.03	2.85e-05	-18.36	0.0	-1.17	2.73	-0.76	0.0	-0.03	3.59
		1.55e-03	-0.46	2.26e-04	0.0	55.6	-1.17	-15.63	-0.76	0.0	-0.46	1.55e-03
15	186	2.53	0.43	-3.89e-04	-18.36	0.0	0.02	5.45	0.72	0.0	0.03	2.08
		9.91e-03	0.03	-2.20e-04	0.0	55.6	0.02	-12.90	0.72	0.0	0.43	9.91e-03
15	193	4.32	-0.02	2.93e-04	-18.36	0.0	-1.19	1.47	-0.44	0.0	-0.02	4.29
		6.15e-03	-0.26	1.53e-04	0.0	55.6	-1.19	-16.88	-0.44	0.0	-0.26	6.15e-03
15	201	4.20	-0.02	2.47e-04	-18.36	0.0	-1.28	1.69	-0.50	0.0	-0.02	4.16
		6.01e-03	-0.30	2.51e-06	0.0	55.6	-1.28	-16.66	-0.50	0.0	-0.30	6.01e-03
15	202	2.14	0.27	-6.08e-04	-18.36	0.0	0.13	6.49	0.45	0.0	0.02	1.50
		5.46e-03	0.02	5.93e-06	0.0	55.6	0.13	-11.87	0.45	0.0	0.27	5.46e-03
15	204	3.03	-0.03	-4.30e-04	-18.36	0.0	-0.88	4.19	-0.68	0.0	-0.03	2.77
		-6.00e-04	-0.41	2.42e-04	0.0	55.6	-0.88	-14.16	-0.68	0.0	-0.41	-6.00e-04
15	217	3.82	-0.04	6.44e-05	-18.36	0.0	-1.29	2.48	-0.92	0.0	-0.04	3.72
		6.60e-04	-0.55	2.74e-04	0.0	55.6	-1.29	-15.88	-0.92	0.0	-0.55	6.60e-04
15	218	2.43	0.52	-4.25e-04	-18.36	0.0	0.14	5.70	0.88	0.0	0.04	1.94
		0.01	0.04	-2.67e-04	0.0	55.6	0.14	-12.65	0.88	0.0	0.52	0.01
15	225	4.55	-0.02	3.72e-04	-18.36	0.0	-1.31	1.03	-0.52	0.0	-0.02	4.53
		6.18e-03	-0.31	1.84e-04	0.0	55.6	-1.31	-17.32	-0.52	0.0	-0.31	6.18e-03
15	233	4.41	-0.02	3.16e-04	-18.36	0.0	-1.40	1.30	-0.59	0.0	-0.02	4.38
		6.04e-03	-0.35	2.94e-06	0.0	55.6	-1.40	-17.05	-0.59	0.0	-0.35	6.04e-03
15	234	2.00	0.32	-6.77e-04	-18.36	0.0	0.24	6.88	0.54	0.0	0.02	1.29
		5.43e-03	0.02	5.90e-06	0.0	55.6	0.24	-11.48	0.54	0.0	0.32	5.43e-03
16	16	2.23	2.87e-04	-4.27e-04	-14.89	0.0	-2.73	14.28	-2.96e-03	0.0	2.87e-04	-1.57
		-1.57	-1.36e-03	4.01e-06	0.0	55.6	-2.73	-0.61	-2.96e-03	0.0	-1.36e-03	2.23
16	19	1.24	2.01e-04	-3.05e-04	-9.47	0.0	-1.85	9.46	-1.61e-03	0.0	2.01e-04	-1.39
		-1.39	-6.96e-04	2.75e-06	0.0	55.6	-1.85	-8.31e-03	-1.61e-03	0.0	-6.96e-04	1.24

16	28	6.02	4.55e-04	-5.20e-04	-34.30	0.0	-4.03	26.81	-6.05e-03	0.0	4.55e-04	0.20
		0.20	-2.91e-03	5.00e-06	0.0	55.6	-4.03	-7.49	-6.05e-03	0.0	-2.91e-03	5.57
16	41	2.68	7.60e-04	-2.69e-04	-14.89	0.0	-2.85	12.40	-5.39e-03	0.0	7.60e-04	-0.19
		-0.19	-2.24e-03	1.79e-06	0.0	55.6	-2.85	-2.49	-5.39e-03	0.0	-2.24e-03	2.56
16	44	5.13	6.21e-04	-4.32e-04	-28.48	0.0	-3.77	22.39	-6.36e-03	0.0	6.21e-04	0.25
		0.25	-2.91e-03	3.72e-06	0.0	55.6	-3.77	-6.09	-6.36e-03	0.0	-2.91e-03	4.78
16	72	1.50	2.54e-04	-2.95e-04	-10.59	0.0	-1.94	10.01	-2.11e-03	0.0	2.54e-04	-1.13
		-1.13	-9.19e-04	2.71e-06	0.0	55.6	-1.94	-0.58	-2.11e-03	0.0	-9.19e-04	1.49
16	73	1.58	2.48e-04	-3.09e-04	-10.59	0.0	-2.04	10.26	-2.32e-03	0.0	2.48e-04	-1.17
		-1.17	-1.04e-03	2.90e-06	0.0	55.6	-2.04	-0.34	-2.32e-03	0.0	-1.04e-03	1.58
16	80	4.10	3.60e-04	-3.71e-04	-23.53	0.0	-2.90	18.61	-4.38e-03	0.0	3.60e-04	0.01
		0.01	-2.07e-03	3.56e-06	0.0	55.6	-2.90	-4.92	-4.38e-03	0.0	-2.07e-03	3.81
16	85	1.87	5.63e-04	-2.04e-04	-10.59	0.0	-2.11	9.00	-3.94e-03	0.0	5.63e-04	-0.25
		-0.25	-1.63e-03	1.41e-06	0.0	55.6	-2.11	-1.59	-3.94e-03	0.0	-1.63e-03	1.81
16	88	3.51	4.71e-04	-3.13e-04	-19.65	0.0	-2.73	15.66	-4.59e-03	0.0	4.71e-04	0.04
		0.04	-2.08e-03	2.70e-06	0.0	55.6	-2.73	-3.99	-4.59e-03	0.0	-2.08e-03	3.29
16	98	3.23	2.93e-04	-3.44e-04	-19.65	0.0	-2.50	15.92	-3.40e-03	0.0	2.93e-04	-0.36
		-0.36	-1.59e-03	3.47e-06	0.0	55.6	-2.50	-3.73	-3.40e-03	0.0	-1.59e-03	3.03
16	102	1.64	3.54e-04	-2.59e-04	-10.59	0.0	-1.97	9.61	-2.79e-03	0.0	3.54e-04	-0.78
		-0.78	-1.19e-03	2.43e-06	0.0	55.6	-1.97	-0.98	-2.79e-03	0.0	-1.19e-03	1.61
16	104	1.71	4.16e-04	-2.40e-04	-10.59	0.0	-2.01	9.41	-3.15e-03	0.0	4.16e-04	-0.61
		-0.61	-1.34e-03	2.18e-06	0.0	55.6	-2.01	-1.18	-3.15e-03	0.0	-1.34e-03	1.68
16	105	3.05	3.42e-04	-3.21e-04	-18.36	0.0	-2.46	14.90	-3.53e-03	0.0	3.42e-04	-0.32
		-0.32	-1.62e-03	3.12e-06	0.0	55.6	-2.46	-3.45	-3.53e-03	0.0	-1.62e-03	2.87
16	106	1.67	3.80e-04	-2.49e-04	-10.59	0.0	-1.98	9.51	-2.96e-03	0.0	3.80e-04	-0.70
		-0.70	-1.26e-03	2.37e-06	0.0	55.6	-1.98	-1.08	-2.96e-03	0.0	-1.26e-03	1.65
16	107	3.00	3.05e-04	-3.30e-04	-18.36	0.0	-2.43	15.01	-3.33e-03	0.0	3.05e-04	-0.41
		-0.41	-1.55e-03	3.31e-06	0.0	55.6	-2.43	-3.35	-3.33e-03	0.0	-1.55e-03	2.83
16	121	3.86	-0.02	-1.43e-04	-18.36	0.0	-4.00	14.64	-0.01	0.0	-0.02	1.12
		1.12	-0.03	1.95e-04	0.0	55.6	-4.00	-3.71	-0.01	0.0	-0.03	3.50
16	122	2.21	0.03	-5.17e-04	-18.36	0.0	-0.86	15.37	8.10e-03	0.0	0.02	-1.93
		-1.93	0.02	-1.88e-04	0.0	55.6	-0.86	-2.99	8.10e-03	0.0	0.03	2.17
16	129	4.92	-0.01	1.01e-04	-18.36	0.0	-4.71	11.51	-0.01	0.0	-0.01	3.03
		3.03	-0.02	1.32e-04	0.0	55.6	-4.71	-6.85	-0.01	0.0	-0.02	4.14
16	130	1.53	0.01	-7.61e-04	-18.36	0.0	-0.15	18.50	5.26e-03	0.0	0.01	-3.84
		-3.84	0.01	-1.26e-04	0.0	55.6	-0.15	0.15	5.26e-03	0.0	0.01	1.53
16	133	4.58	1.13e-03	-2.41e-05	-18.36	0.0	-4.74	11.94	-0.01	0.0	1.13e-03	2.31
		2.31	-0.02	-2.03e-06	0.0	55.6	-4.74	-6.42	-0.01	0.0	-0.02	4.03
16	134	1.64	0.02	-6.75e-04	-18.36	0.0	-0.11	18.07	5.70e-03	0.0	-5.20e-04	-3.12
		-3.12	-5.20e-04	8.66e-06	0.0	55.6	-0.11	-0.28	5.70e-03	0.0	0.02	1.64
16	153	3.97	-0.02	-1.20e-04	-18.36	0.0	-4.20	14.60	-0.02	0.0	-0.02	1.31
		1.31	-0.03	2.20e-04	0.0	55.6	-4.20	-3.76	-0.02	0.0	-0.03	3.59
16	154	2.12	0.03	-5.40e-04	-18.36	0.0	-0.66	15.42	9.58e-03	0.0	0.02	-2.12
		-2.12	0.02	-2.14e-04	0.0	55.6	-0.66	-2.94	9.58e-03	0.0	0.03	2.08
16	161	5.19	-0.01	1.54e-04	-18.36	0.0	-5.00	11.07	-0.01	0.0	-0.01	3.46
		3.46	-0.02	1.49e-04	0.0	55.6	-5.00	-7.28	-0.01	0.0	-0.02	4.30
16	162	1.37	0.02	-8.15e-04	-18.36	0.0	0.14	18.94	6.37e-03	0.0	0.02	-4.27
		-4.27	0.02	-1.43e-04	0.0	55.6	0.14	0.59	6.37e-03	0.0	0.02	1.37
16	165	4.80	1.26e-03	5.79e-05	-18.36	0.0	-5.03	11.56	-0.01	0.0	1.26e-03	2.64
		2.64	-0.02	-3.12e-06	0.0	55.6	-5.03	-6.80	-0.01	0.0	-0.02	4.18
16	166	1.49	0.02	-7.18e-04	-18.36	0.0	0.17	18.45	6.82e-03	0.0	-6.52e-04	-3.45
		-3.45	-6.52e-04	9.74e-06	0.0	55.6	0.17	0.10	6.82e-03	0.0	0.02	1.49
16	185	3.97	-0.02	-1.24e-04	-18.36	0.0	-4.23	14.58	-0.02	0.0	-0.02	1.28
		1.28	-0.03	2.29e-04	0.0	55.6	-4.23	-3.77	-0.02	0.0	-0.03	3.59
16	186	2.12	0.03	-5.36e-04	-18.36	0.0	-0.63	15.43	9.87e-03	0.0	0.02	-2.09
		-2.09	0.02	-2.22e-04	0.0	55.6	-0.63	-2.93	9.87e-03	0.0	0.03	2.08
16	193	5.16	-0.02	1.48e-04	-18.36	0.0	-4.98	11.12	-0.01	0.0	-0.02	3.41
		3.41	-0.02	1.54e-04	0.0	55.6	-4.98	-7.23	-0.01	0.0	-0.02	4.29
16	194	1.38	0.02	-8.08e-04	-18.36	0.0	0.12	18.89	6.50e-03	0.0	0.02	-4.22
		-4.22	0.02	-1.48e-04	0.0	55.6	0.12	0.54	6.50e-03	0.0	0.02	1.38
16	201	4.92	1.15e-03	9.99e-05	-18.36	0.0	-4.99	11.62	-0.01	0.0	1.15e-03	3.01
		3.01	-0.02	0.0	0.0	55.6	-4.99	-6.73	-0.01	0.0	-0.02	4.16
16	202	1.50	0.02	-7.60e-04	-18.36	0.0	0.13	18.39	7.27e-03	0.0	-5.38e-04	-3.82
		-3.82	-5.38e-04	5.71e-06	0.0	55.6	0.13	0.03	7.27e-03	0.0	0.02	1.50
16	217	4.15	-0.03	-9.15e-05	-18.36	0.0	-4.57	14.52	-0.02	0.0	-0.03	1.57
		1.57	-0.04	2.77e-04	0.0	55.6	-4.57	-3.84	-0.02	0.0	-0.04	3.72
16	218	1.97	0.04	-5.71e-04	-18.36	0.0	-0.29	15.49	0.01	0.0	0.03	-2.38
		-2.38	0.03	-2.70e-04	0.0	55.6	-0.29	-2.86	0.01	0.0	0.04	1.94
16	225	5.57	-0.02	2.27e-04	-18.36	0.0	-5.42	10.49	-0.02	0.0	-0.02	4.04
		4.04	-0.02	1.86e-04	0.0	55.6	-5.42	-7.87	-0.02	0.0	-0.02	4.53
16	226	1.14	0.02	-8.87e-04	-18.36	0.0	0.56	19.53	8.36e-03	0.0	0.02	-4.85
		-4.85	0.02	-1.79e-04	0.0	55.6	0.56	1.17	8.36e-03	0.0	0.02	1.14
17	4	-0.59	0.01	-1.04e-03	-34.30	0.0	-9.46	68.33	-0.02	0.0	0.01	-29.03
		-29.03	1.76e-04	6.16e-06	0.0	55.6	-9.46	34.03	-0.02	0.0	1.76e-04	-0.59
17	18	-1.06	0.01	-9.50e-04	-28.48	0.0	-8.46	59.72	-0.02	0.0	0.01	-26.34

		-26.34	1.57e-04	5.66e-06	0.0	55.6	-8.46	31.25	-0.02	0.0	1.57e-04	-1.06
17	19	-1.39	6.94e-03	-4.58e-04	-9.47	0.0	-4.12	24.73	-0.01	0.0	6.94e-03	-12.50
		-12.50	2.01e-04	2.73e-06	0.0	55.6	-4.12	15.26	-0.01	0.0	2.01e-04	-1.39
17	28	0.20	5.10e-03	-9.50e-04	-34.30	0.0	-9.65	65.93	-8.36e-03	0.0	5.10e-03	-26.91
		-26.91	4.55e-04	4.95e-06	0.0	55.6	-9.65	31.63	-8.36e-03	0.0	4.55e-04	0.20
17	45	-0.07	6.65e-04	-3.08e-04	-9.47	0.0	-4.43	20.73	6.86e-03	0.0	-3.15e-03	-8.96
		-8.96	-3.15e-03	0.0	0.0	55.6	-4.43	11.26	6.86e-03	0.0	6.65e-04	-0.07
17	47	0.44	5.35e-04	-5.90e-04	-23.06	0.0	-6.69	42.65	1.35e-03	0.0	-2.13e-04	-16.86
		-16.86	-2.13e-04	2.39e-06	0.0	55.6	-6.69	19.60	1.35e-03	0.0	5.35e-04	0.44
17	68	-0.51	7.65e-03	-7.31e-04	-23.53	0.0	-6.76	47.59	-0.01	0.0	7.65e-03	-20.42
		-20.42	1.75e-04	4.32e-06	0.0	55.6	-6.76	24.06	-0.01	0.0	1.75e-04	-0.51
17	72	-1.13	5.74e-03	-4.58e-04	-10.59	0.0	-4.35	25.94	-9.87e-03	0.0	5.74e-03	-12.60
		-12.60	2.54e-04	2.69e-06	0.0	55.6	-4.35	15.34	-9.87e-03	0.0	2.54e-04	-1.13
17	75	-0.83	7.97e-03	-6.71e-04	-19.65	0.0	-6.09	41.85	-0.01	0.0	7.97e-03	-18.63
		-18.63	1.61e-04	3.99e-06	0.0	55.6	-6.09	22.20	-0.01	0.0	1.61e-04	-0.83
17	80	0.01	3.61e-03	-6.71e-04	-23.53	0.0	-6.88	45.99	-5.86e-03	0.0	3.61e-03	-19.01
		-19.01	3.60e-04	3.52e-06	0.0	55.6	-6.88	22.46	-5.86e-03	0.0	3.60e-04	0.01
17	85	-0.25	5.63e-04	-3.58e-04	-10.59	0.0	-4.56	23.27	2.80e-03	0.0	-9.90e-04	-10.24
		-10.24	-9.90e-04	1.34e-06	0.0	55.6	-4.56	12.68	2.80e-03	0.0	5.63e-04	-0.25
17	87	0.09	9.67e-04	-5.46e-04	-19.65	0.0	-6.07	37.89	-8.83e-04	0.0	9.67e-04	-15.51
		-15.51	4.77e-04	2.46e-06	0.0	55.6	-6.07	18.24	-8.83e-04	0.0	4.77e-04	0.09
17	98	-0.36	4.79e-03	-5.95e-04	-19.65	0.0	-5.91	39.23	-8.10e-03	0.0	4.79e-03	-16.70
		-16.70	2.93e-04	3.44e-06	0.0	55.6	-5.91	19.58	-8.10e-03	0.0	2.93e-04	-0.36
17	102	-0.78	3.42e-03	-4.17e-04	-10.59	0.0	-4.39	24.88	-5.51e-03	0.0	3.42e-03	-11.66
		-11.66	3.54e-04	2.40e-06	0.0	55.6	-4.39	14.28	-5.51e-03	0.0	3.54e-04	-0.78
17	103	-0.49	5.10e-03	-5.79e-04	-18.36	0.0	-5.68	37.40	-8.67e-03	0.0	5.10e-03	-16.18
		-16.18	2.80e-04	3.35e-06	0.0	55.6	-5.68	19.05	-8.67e-03	0.0	2.80e-04	-0.49
17	105	-0.32	3.75e-03	-5.59e-04	-18.36	0.0	-5.73	36.87	-6.13e-03	0.0	3.75e-03	-15.71
		-15.71	3.42e-04	3.08e-06	0.0	55.6	-5.73	18.52	-6.13e-03	0.0	3.42e-04	-0.32
17	106	-0.70	2.84e-03	-4.07e-04	-10.59	0.0	-4.40	24.61	-4.42e-03	0.0	2.84e-03	-11.43
		-11.43	3.80e-04	2.32e-06	0.0	55.6	-4.40	14.02	-4.42e-03	0.0	3.80e-04	-0.70
17	107	-0.41	4.51e-03	-5.69e-04	-18.36	0.0	-5.69	37.14	-7.58e-03	0.0	4.51e-03	-15.94
		-15.94	3.05e-04	3.28e-06	0.0	55.6	-5.69	18.79	-7.58e-03	0.0	3.05e-04	-0.41
17	108	-1.99	0.18	-9.39e-04	-18.36	0.0	-6.35	43.82	-0.36	0.0	0.18	-21.20
		-21.20	-0.02	1.87e-04	0.0	55.6	-6.35	25.47	-0.36	0.0	-0.02	-1.99
17	111	1.18	0.02	-1.98e-04	-18.36	0.0	-5.04	30.46	0.34	0.0	-0.17	-10.69
		-10.69	-0.17	-1.80e-04	0.0	55.6	-5.04	12.10	0.34	0.0	0.02	1.18
17	129	3.03	-9.68e-03	-5.92e-05	-18.36	0.0	-9.50	23.40	0.02	0.0	-9.68e-03	-4.13
		-4.13	-0.01	1.33e-04	0.0	55.6	-9.50	5.05	0.02	0.0	-0.01	3.03
17	130	-3.84	0.02	-1.09e-03	-18.36	0.0	-1.88	50.88	-0.04	0.0	0.02	-27.76
		-27.76	0.01	-1.27e-04	0.0	55.6	-1.88	32.52	-0.04	0.0	0.01	-3.84
17	133	2.31	2.96e-03	-1.95e-04	-18.36	0.0	-9.54	25.10	-3.81e-03	0.0	2.96e-03	-6.53
		-6.53	1.13e-03	-1.69e-06	0.0	55.6	-9.54	6.74	-3.81e-03	0.0	1.13e-03	2.31
17	134	-3.12	6.07e-03	-9.42e-04	-18.36	0.0	-1.85	49.19	-0.01	0.0	6.07e-03	-25.36
		-25.36	-5.20e-04	8.25e-06	0.0	55.6	-1.85	30.83	-0.01	0.0	-5.20e-04	-3.12
17	140	-2.19	0.20	-9.86e-04	-18.36	0.0	-6.43	44.66	-0.40	0.0	0.20	-21.85
		-21.85	-0.02	2.10e-04	0.0	55.6	-6.43	26.30	-0.40	0.0	-0.02	-2.19
17	143	1.38	0.02	-1.52e-04	-18.36	0.0	-4.95	29.63	0.39	0.0	-0.19	-10.04
		-10.04	-0.19	-2.03e-04	0.0	55.6	-4.95	11.27	0.39	0.0	0.02	1.38
17	161	3.46	-0.01	-2.17e-05	-18.36	0.0	-9.98	21.69	0.02	0.0	-0.01	-2.66
		-2.66	-0.01	1.51e-04	0.0	55.6	-9.98	3.33	0.02	0.0	-0.01	3.46
17	162	-4.27	0.02	-1.15e-03	-18.36	0.0	-1.41	52.59	-0.04	0.0	0.02	-29.23
		-29.23	0.02	-1.44e-04	0.0	55.6	-1.41	34.24	-0.04	0.0	0.02	-4.27
17	165	2.64	2.51e-03	-1.49e-04	-18.36	0.0	-10.01	23.60	-2.82e-03	0.0	2.51e-03	-5.37
		-5.37	1.26e-03	-2.74e-06	0.0	55.6	-10.01	5.25	-2.82e-03	0.0	1.26e-03	2.64
17	166	-3.45	6.52e-03	-9.88e-04	-18.36	0.0	-1.38	50.68	-0.01	0.0	6.52e-03	-26.52
		-26.52	-6.52e-04	9.30e-06	0.0	55.6	-1.38	32.32	-0.01	0.0	-6.52e-04	-3.45
17	172	-2.15	0.20	-9.73e-04	-18.36	0.0	-6.46	44.40	-0.40	0.0	0.20	-21.67
		-21.67	-0.02	2.11e-04	0.0	55.6	-6.46	26.04	-0.40	0.0	-0.02	-2.15
17	175	1.33	0.02	-1.64e-04	-18.36	0.0	-4.92	29.88	0.39	0.0	-0.19	-10.22
		-10.22	-0.19	-2.04e-04	0.0	55.6	-4.92	11.53	0.39	0.0	0.02	1.33
17	193	3.41	-0.01	-2.55e-05	-18.36	0.0	-9.92	21.89	0.02	0.0	-0.01	-2.87
		-2.87	-0.02	1.56e-04	0.0	55.6	-9.92	3.53	0.02	0.0	-0.02	3.41
17	194	-4.22	0.02	-1.14e-03	-18.36	0.0	-1.46	52.39	-0.04	0.0	0.02	-29.02
		-29.02	0.02	-1.49e-04	0.0	55.6	-1.46	34.04	-0.04	0.0	0.02	-4.22
17	204	-2.42	0.24	-1.04e-03	-18.36	0.0	-6.62	45.51	-0.48	0.0	0.24	-22.56
		-22.56	-0.02	2.47e-04	0.0	55.6	-6.62	27.16	-0.48	0.0	-0.02	-2.42
17	207	1.61	0.02	-1.00e-04	-18.36	0.0	-4.77	28.77	0.46	0.0	-0.23	-9.33
		-9.33	-0.23	-2.41e-04	0.0	55.6	-4.77	10.41	0.46	0.0	0.02	1.61
17	225	4.04	-0.01	9.89e-05	-18.36	0.0	-10.66	19.39	0.02	0.0	-0.01	-0.72
		-0.72	-0.02	1.87e-04	0.0	55.6	-10.66	1.03	0.02	0.0	-0.02	4.04
17	226	-4.85	0.02	-1.24e-03	-18.36	0.0	-0.73	54.89	-0.04	0.0	0.02	-31.16
		-31.16	0.02	-1.81e-04	0.0	55.6	-0.73	36.54	-0.04	0.0	0.02	-4.85
18	4	-15.02	1.60e-03	-7.41e-05	-28.88	0.0	-6.94	6.71	-0.01	-8.25e-04	1.60e-03	-15.40
		-19.24	-4.67e-03	2.20e-06	0.0	49.6	-6.94	-22.17	-0.01	-8.25e-04	-4.67e-03	-19.24

18	18	-13.73	1.66e-03	-7.50e-05	-23.68	0.0	-5.97	4.61	-0.01	-7.69e-04	1.66e-03	-13.96
		-17.54	-4.50e-03	1.59e-06	0.0	49.6	-5.97	-19.07	-0.01	-7.69e-04	-4.50e-03	-17.54
18	19	-6.58	1.04e-03	-4.80e-05	-7.53	0.0	-2.65	-0.03	-6.64e-03	-3.72e-04	1.04e-03	-6.58
		-8.46	-2.15e-03	0.0	0.0	49.6	-2.65	-7.56	-6.64e-03	-3.72e-04	-2.15e-03	-8.46
18	28	-13.78	9.07e-04	-5.67e-05	-28.88	0.0	-8.04	7.64	-8.33e-03	-7.16e-04	9.07e-04	-14.27
		-17.65	-3.07e-03	2.71e-06	0.0	49.6	-8.04	-21.24	-8.33e-03	-7.16e-04	-3.07e-03	-17.65
18	45	-4.62	5.11e-04	-1.33e-05	-7.53	0.0	-4.50	1.52	1.27e-03	-1.92e-04	-1.20e-04	-4.70
		-5.81	-1.20e-04	1.07e-06	0.0	49.6	-4.50	-6.01	1.27e-03	-1.92e-04	5.11e-04	-5.81
18	68	-10.58	1.12e-03	-5.24e-05	-19.85	0.0	-4.97	4.46	-8.94e-03	-5.78e-04	1.12e-03	-10.82
		-13.53	-3.16e-03	1.55e-06	0.0	49.6	-4.97	-15.39	-8.94e-03	-5.78e-04	-3.16e-03	-13.53
18	72	-6.62	8.92e-04	-4.34e-05	-8.30	0.0	-2.99	0.44	-5.77e-03	-3.60e-04	8.92e-04	-6.63
		-8.47	-1.87e-03	0.0	0.0	49.6	-2.99	-7.86	-5.77e-03	-3.60e-04	-1.87e-03	-8.47
18	75	-9.72	1.16e-03	-5.33e-05	-16.38	0.0	-4.32	3.06	-8.79e-03	-5.41e-04	1.16e-03	-9.86
		-12.41	-3.05e-03	1.14e-06	0.0	49.6	-4.32	-13.32	-8.79e-03	-5.41e-04	-3.05e-03	-12.41
18	80	-9.75	6.57e-04	-4.05e-05	-19.85	0.0	-5.70	5.08	-5.78e-03	-5.06e-04	6.57e-04	-10.07
		-12.48	-2.10e-03	1.89e-06	0.0	49.6	-5.70	-14.77	-5.78e-03	-5.06e-04	-2.10e-03	-12.48
18	85	-5.31	1.19e-04	-1.98e-05	-8.30	0.0	-4.22	1.47	-4.91e-04	-2.40e-04	1.19e-04	-5.38
		-6.70	-9.74e-05	1.08e-06	0.0	49.6	-4.22	-6.83	-4.91e-04	-2.40e-04	-9.74e-05	-6.70
18	98	-8.63	7.73e-04	-4.07e-05	-16.38	0.0	-4.51	3.75	-5.96e-03	-4.44e-04	7.73e-04	-8.84
		-11.04	-2.08e-03	1.51e-06	0.0	49.6	-4.51	-12.63	-5.96e-03	-4.44e-04	-2.08e-03	-11.04
18	102	-6.11	6.09e-04	-3.38e-05	-8.30	0.0	-3.29	0.85	-3.82e-03	-3.13e-04	6.09e-04	-6.13
		-7.76	-1.22e-03	0.0	0.0	49.6	-3.29	-7.45	-3.82e-03	-3.13e-04	-1.22e-03	-7.76
18	103	-8.39	8.10e-04	-4.15e-05	-15.23	0.0	-4.27	3.25	-6.07e-03	-4.35e-04	8.10e-04	-8.56
		-10.73	-2.10e-03	1.34e-06	0.0	49.6	-4.27	-11.98	-6.07e-03	-4.35e-04	-2.10e-03	-10.73
18	104	-5.84	4.55e-04	-2.91e-05	-8.30	0.0	-3.54	1.06	-2.77e-03	-2.89e-04	4.55e-04	-5.88
		-7.41	-8.61e-04	0.0	0.0	49.6	-3.54	-7.24	-2.77e-03	-2.89e-04	-8.61e-04	-7.41
18	105	-8.12	6.56e-04	-3.71e-05	-15.23	0.0	-4.52	3.45	-5.02e-03	-4.11e-04	6.56e-04	-8.31
		-10.37	-1.74e-03	1.45e-06	0.0	49.6	-4.52	-11.78	-5.02e-03	-4.11e-04	-1.74e-03	-10.37
18	106	-5.97	5.39e-04	-3.14e-05	-8.30	0.0	-3.36	0.95	-3.33e-03	-3.01e-04	5.39e-04	-6.00
		-7.59	-1.05e-03	0.0	0.0	49.6	-3.36	-7.35	-3.33e-03	-3.01e-04	-1.05e-03	-7.59
18	107	-8.26	7.40e-04	-3.92e-05	-15.23	0.0	-4.35	3.35	-5.58e-03	-4.23e-04	7.40e-04	-8.44
		-10.55	-1.93e-03	1.43e-06	0.0	49.6	-4.35	-11.88	-5.58e-03	-4.23e-04	-1.93e-03	-10.55
18	116	-11.22	-4.48e-03	-8.36e-05	-15.23	0.0	-3.50	0.83	-0.07	-0.02	-4.48e-03	-11.23
		-14.59	-0.04	1.66e-04	0.0	49.6	-3.50	-14.40	-0.07	-0.02	-0.04	-14.59
18	119	-5.08	0.04	-1.20e-05	-15.23	0.0	-5.20	5.87	0.06	0.02	5.96e-03	-5.64
		-6.51	5.96e-03	-1.63e-04	0.0	49.6	-5.20	-9.36	0.06	0.02	0.04	-6.51
18	124	-14.16	1.53e-03	-1.28e-04	-15.23	0.0	-3.39	-1.44	-0.05	-0.02	1.53e-03	-14.16
		-17.97	-0.03	-1.47e-06	0.0	49.6	-3.39	-16.67	-0.05	-0.02	-0.03	-17.97
18	127	-1.96	0.02	4.96e-05	-15.23	0.0	-5.31	8.14	0.04	0.02	-5.41e-05	-2.71
		-3.13	-5.41e-05	4.33e-06	0.0	49.6	-5.31	-7.09	0.04	0.02	0.02	-3.13
18	136	-14.69	1.97e-03	-1.35e-04	-15.23	0.0	-3.43	-2.62	-0.04	4.60e-03	1.97e-03	-14.69
		-19.76	-0.02	1.11e-04	0.0	49.6	-3.43	-17.85	-0.04	4.60e-03	-0.02	-19.76
18	139	-0.77	0.02	5.73e-05	-15.23	0.0	-5.27	9.32	0.03	-5.45e-03	-4.87e-04	-2.18
		-2.18	-4.87e-04	-1.08e-04	0.0	49.6	-5.27	-5.91	0.03	-5.45e-03	0.02	-1.34
18	148	-11.58	-5.16e-03	-8.92e-05	-15.23	0.0	-3.39	0.52	-0.08	-0.03	-5.16e-03	-11.58
		-15.10	-0.04	1.88e-04	0.0	49.6	-3.39	-14.71	-0.08	-0.03	-0.04	-15.10
18	151	-4.67	0.04	1.10e-05	-15.23	0.0	-5.31	6.18	0.07	0.03	6.64e-03	-5.29
		-6.01	6.64e-03	-1.85e-04	0.0	49.6	-5.31	-9.05	0.07	0.03	0.04	-6.01
18	156	-14.87	1.64e-03	-1.39e-04	-15.23	0.0	-3.27	-2.03	-0.06	-0.02	1.64e-03	-14.87
		-18.89	-0.03	-2.18e-06	0.0	49.6	-3.27	-17.26	-0.06	-0.02	-0.03	-18.89
18	159	-1.16	0.03	6.06e-05	-15.23	0.0	-5.42	8.73	0.05	0.02	-1.63e-04	-2.00
		-2.21	-1.63e-04	5.05e-06	0.0	49.6	-5.42	-6.50	0.05	0.02	0.03	-2.21
18	168	-15.47	2.11e-03	-1.48e-04	-15.23	0.0	-3.31	-3.36	-0.05	5.22e-03	2.11e-03	-15.47
		-20.91	-0.03	1.26e-04	0.0	49.6	-3.31	-18.59	-0.05	5.22e-03	-0.03	-20.91
18	171	0.24	0.02	6.94e-05	-15.23	0.0	-5.38	10.06	0.04	-6.06e-03	-6.29e-04	-1.40
		-1.40	-6.29e-04	-1.23e-04	0.0	49.6	-5.38	-5.17	0.04	-6.06e-03	0.02	-0.19
18	180	-11.53	-5.35e-03	-8.87e-05	-15.23	0.0	-3.38	0.59	-0.08	-0.03	-5.35e-03	-11.53
		-15.01	-0.05	1.95e-04	0.0	49.6	-3.38	-14.64	-0.08	-0.03	-0.05	-15.01
18	183	-4.73	0.04	1.05e-05	-15.23	0.0	-5.32	6.11	0.07	0.03	6.83e-03	-5.34
		-6.09	6.83e-03	-1.93e-04	0.0	49.6	-5.32	-9.12	0.07	0.03	0.04	-6.09
18	188	-14.74	1.70e-03	-1.37e-04	-15.23	0.0	-3.32	-1.94	-0.06	-0.02	1.70e-03	-14.74
		-18.74	-0.03	-3.95e-06	0.0	49.6	-3.32	-17.17	-0.06	-0.02	-0.03	-18.74
18	191	-1.30	0.03	5.87e-05	-15.23	0.0	-5.38	8.63	0.05	0.02	-2.22e-04	-2.13
		-2.36	-2.22e-04	6.81e-06	0.0	49.6	-5.38	-6.59	0.05	0.02	0.03	-2.36
18	200	-15.38	1.98e-03	-1.46e-04	-15.23	0.0	-3.35	-3.26	-0.05	5.06e-03	1.98e-03	-15.38
		-20.77	-0.03	1.30e-04	0.0	49.6	-3.35	-18.49	-0.05	5.06e-03	-0.03	-20.77
18	203	0.12	0.02	6.82e-05	-15.23	0.0	-5.35	9.96	0.04	-5.91e-03	-4.97e-04	-1.49
		-1.49	-4.97e-04	-1.27e-04	0.0	49.6	-5.35	-5.27	0.04	-5.91e-03	0.02	-0.33
18	212	-12.07	-6.63e-03	-9.74e-05	-15.23	0.0	-3.19	0.13	-0.09	-0.03	-6.63e-03	-12.07
		-15.78	-0.05	2.37e-04	0.0	49.6	-3.19	-15.10	-0.09	-0.03	-0.05	-15.78
18	215	-4.10	0.05	1.92e-05	-15.23	0.0	-5.51	6.57	0.08	0.03	8.11e-03	-4.80
		-5.33	8.11e-03	-2.34e-04	0.0	49.6	-5.51	-8.66	0.08	0.03	0.05	-5.33
18	220	-15.75	1.91e-03	-1.53e-04	-15.23	0.0	-3.15	-2.79	-0.07	-0.02	1.91e-03	-15.75
		-20.06	-0.04	-6.45e-06	0.0	49.6	-3.15	-18.02	-0.07	-0.02	-0.04	-20.06
18	223	-0.14	0.03	7.44e-05	-15.23	0.0	-5.55	9.49	0.06	0.02	-4.35e-04	-1.12

		-1.12	-4.35e-04	9.31e-06	0.0	49.6	-5.55	-5.74	0.06	0.02	0.03	-1.05
18	232	-16.53	2.09e-03	-1.64e-04	-15.23	0.0	-3.17	-4.35	-0.06	5.79e-03	2.09e-03	-16.53
		-22.46	-0.03	1.57e-04	0.0	49.6	-3.17	-19.58	-0.06	5.79e-03	-0.03	-22.46
18	235	1.65	0.03	8.60e-05	-15.23	0.0	-5.52	11.05	0.05	-6.63e-03	-6.07e-04	-0.34
		-0.34	-6.07e-04	-1.54e-04	0.0	49.6	-5.52	-4.18	0.05	-6.63e-03	0.03	1.36
19	4	-12.79	1.60e-03	-4.43e-05	-28.88	0.0	-3.57	11.42	0.02	-6.88e-04	-8.45e-03	-13.91
		-15.40	-8.45e-03	1.96e-06	0.0	49.6	-3.57	-17.46	0.02	-6.88e-04	1.60e-03	-15.40
19	18	-11.63	1.66e-03	-4.20e-05	-23.68	0.0	-2.92	8.77	0.02	-6.45e-04	-8.93e-03	-12.43
		-13.96	-8.93e-03	1.33e-06	0.0	49.6	-2.92	-14.92	0.02	-6.45e-04	1.66e-03	-13.96
19	19	-5.49	1.05e-03	-2.72e-05	-7.53	0.0	-1.12	1.80	0.01	-3.43e-04	-6.05e-03	-5.60
		-6.58	-6.05e-03	0.0	0.0	49.6	-1.12	-5.73	0.01	-3.43e-04	1.05e-03	-6.58
19	44	-10.16	4.89e-04	-2.73e-05	-23.68	0.0	-4.81	10.15	7.25e-03	-5.35e-04	-3.07e-03	-11.24
		-12.07	-3.07e-03	2.34e-06	0.0	49.6	-4.81	-13.53	7.25e-03	-5.35e-04	4.89e-04	-12.07
19	45	-4.07	-1.25e-04	-7.21e-06	-7.53	0.0	-3.02	3.18	7.62e-05	-2.33e-04	-1.81e-04	-4.40
		-4.70	-1.81e-04	1.08e-06	0.0	49.6	-3.02	-4.35	7.62e-05	-2.33e-04	-1.25e-04	-4.70
19	68	-9.01	1.12e-03	-3.10e-05	-19.85	0.0	-2.57	7.77	0.01	-4.90e-04	-6.03e-03	-9.76
		-10.82	-6.03e-03	1.38e-06	0.0	49.6	-2.57	-12.07	0.01	-4.90e-04	1.12e-03	-10.82
19	72	-5.58	9.00e-04	-2.36e-05	-8.30	0.0	-1.42	2.35	0.01	-3.36e-04	-5.30e-03	-5.74
		-6.63	-5.30e-03	0.0	0.0	49.6	-1.42	-5.95	0.01	-3.36e-04	9.00e-04	-6.63
19	75	-8.23	1.16e-03	-2.95e-05	-16.38	0.0	-2.13	6.00	0.02	-4.61e-04	-6.35e-03	-8.77
		-9.86	-6.35e-03	0.0	0.0	49.6	-2.13	-10.38	0.02	-4.61e-04	1.16e-03	-9.86
19	85	-4.62	1.17e-04	-1.04e-05	-8.30	0.0	-2.68	3.28	3.07e-03	-2.63e-04	-1.39e-03	-4.94
		-5.38	-1.39e-03	1.06e-06	0.0	49.6	-2.68	-5.03	3.07e-03	-2.63e-04	1.17e-04	-5.38
19	88	-7.25	3.79e-04	-1.95e-05	-16.38	0.0	-3.40	6.93	5.76e-03	-3.88e-04	-2.44e-03	-7.98
		-8.61	-2.44e-03	1.64e-06	0.0	49.6	-3.40	-9.46	5.76e-03	-3.88e-04	3.79e-04	-8.61
19	98	-7.37	7.71e-04	-2.42e-05	-16.38	0.0	-2.46	6.51	0.01	-4.01e-04	-4.43e-03	-8.01
		-8.84	-4.43e-03	1.39e-06	0.0	49.6	-2.46	-9.87	0.01	-4.01e-04	7.71e-04	-8.84
19	102	-5.20	6.14e-04	-1.72e-05	-8.30	0.0	-1.76	2.73	9.31e-03	-3.06e-04	-3.92e-03	-5.42
		-6.13	-3.92e-03	0.0	0.0	49.6	-1.76	-5.58	9.31e-03	-3.06e-04	6.14e-04	-6.13
19	103	-7.14	8.10e-04	-2.40e-05	-15.23	0.0	-2.29	5.89	0.01	-3.94e-04	-4.66e-03	-7.71
		-8.56	-4.66e-03	1.21e-06	0.0	49.6	-2.29	-9.34	0.01	-3.94e-04	8.10e-04	-8.56
19	104	-5.01	4.58e-04	-1.46e-05	-8.30	0.0	-2.02	2.91	7.38e-03	-2.91e-04	-3.14e-03	-5.26
		-5.88	-3.14e-03	0.0	0.0	49.6	-2.02	-5.39	7.38e-03	-2.91e-04	4.58e-04	-5.88
19	105	-6.95	6.53e-04	-2.20e-05	-15.23	0.0	-2.54	6.08	9.28e-03	-3.79e-04	-3.87e-03	-7.55
		-8.31	-3.87e-03	1.35e-06	0.0	49.6	-2.54	-9.15	9.28e-03	-3.79e-04	6.53e-04	-8.31
19	106	-5.11	5.43e-04	-1.59e-05	-8.30	0.0	-1.85	2.82	8.45e-03	-2.98e-04	-3.58e-03	-5.34
		-6.00	-3.58e-03	0.0	0.0	49.6	-1.85	-5.48	8.45e-03	-2.98e-04	5.43e-04	-6.00
19	107	-7.05	7.38e-04	-2.30e-05	-15.23	0.0	-2.37	5.99	0.01	-3.86e-04	-4.31e-03	-7.63
		-8.44	-4.31e-03	1.32e-06	0.0	49.6	-2.37	-9.24	0.01	-3.86e-04	7.38e-04	-8.44
19	116	-9.09	-5.23e-03	-4.40e-05	-15.23	0.0	-2.04	3.76	0.12	-0.02	-0.07	-9.32
		-11.23	-0.07	1.66e-04	0.0	49.6	-2.04	-11.47	0.12	-0.02	-5.23e-03	-11.23
19	119	-4.84	0.06	-1.07e-05	-15.23	0.0	-2.71	8.21	-0.10	0.01	0.06	-5.94
		-5.94	6.71e-03	-1.63e-04	0.0	49.6	-2.71	-7.01	-0.10	0.01	6.71e-03	-5.94
19	124	-11.03	9.83e-04	-7.09e-05	-15.23	0.0	-1.95	1.89	0.08	-0.01	-0.04	-11.06
		-14.16	-0.04	-1.08e-06	0.0	49.6	-1.95	-13.34	0.08	-0.01	9.83e-04	-14.16
19	127	-2.36	0.03	3.57e-05	-15.23	0.0	-2.79	10.08	-0.06	0.01	0.03	-4.20
		-4.20	4.94e-04	3.71e-06	0.0	49.6	-2.79	-5.15	-0.06	0.01	4.94e-04	-4.20
19	136	-11.34	2.55e-03	-7.58e-05	-15.23	0.0	-2.05	0.88	0.07	4.65e-03	-0.04	-11.35
		-14.69	-0.04	1.10e-04	0.0	49.6	-2.05	-14.35	0.07	4.65e-03	2.55e-03	-14.69
19	139	-1.90	0.03	4.07e-05	-15.23	0.0	-2.69	11.09	-0.05	-5.42e-03	0.03	-3.91
		-3.91	-1.07e-03	-1.08e-04	0.0	49.6	-2.69	-4.13	-0.05	-5.42e-03	-1.07e-03	-3.91
19	148	-9.34	-6.02e-03	-4.73e-05	-15.23	0.0	-2.00	3.48	0.13	-0.02	-0.07	-9.53
		-11.58	-0.07	1.88e-04	0.0	49.6	-2.00	-11.75	0.13	-0.02	-6.02e-03	-11.58
19	151	-4.55	0.06	1.22e-05	-15.23	0.0	-2.74	8.49	-0.11	0.02	0.06	-5.72
		-5.72	7.50e-03	-1.85e-04	0.0	49.6	-2.74	-6.74	-0.11	0.02	7.50e-03	-5.72
19	156	-11.48	1.02e-03	-7.75e-05	-15.23	0.0	-1.90	1.38	0.09	-0.01	-0.05	-11.49
		-14.87	-0.05	-1.74e-06	0.0	49.6	-1.90	-13.85	0.09	-0.01	1.02e-03	-14.87
19	159	-1.73	0.04	4.24e-05	-15.23	0.0	-2.85	10.59	-0.07	0.01	0.04	-3.77
		-3.77	4.53e-04	4.37e-06	0.0	49.6	-2.85	-4.64	-0.07	0.01	4.53e-04	-3.77
19	168	-11.81	2.76e-03	-8.31e-05	-15.23	0.0	-2.02	0.24	0.08	5.30e-03	-0.04	-11.81
		-15.47	-0.04	1.25e-04	0.0	49.6	-2.02	-14.99	0.08	5.30e-03	2.76e-03	-15.47
19	171	-1.20	0.03	4.80e-05	-15.23	0.0	-2.73	11.73	-0.05	-6.07e-03	0.03	-3.44
		-3.44	-1.28e-03	-1.22e-04	0.0	49.6	-2.73	-3.50	-0.05	-6.07e-03	-1.28e-03	-3.44
19	180	-9.31	-6.26e-03	-4.70e-05	-15.23	0.0	-2.02	3.53	0.14	-0.02	-0.07	-9.51
		-11.53	-0.07	1.95e-04	0.0	49.6	-2.02	-11.70	0.14	-0.02	-6.26e-03	-11.53
19	183	-4.59	0.07	1.18e-05	-15.23	0.0	-2.73	8.44	-0.12	0.01	0.07	-5.75
		-5.75	7.73e-03	-1.93e-04	0.0	49.6	-2.73	-6.79	-0.12	0.01	7.73e-03	-5.75
19	188	-11.39	1.09e-03	-7.64e-05	-15.23	0.0	-1.92	1.46	0.09	-0.01	-0.05	-11.41
		-14.74	-0.05	-3.54e-06	0.0	49.6	-1.92	-13.77	0.09	-0.01	1.09e-03	-14.74
19	191	-1.85	0.04	4.12e-05	-15.23	0.0	-2.83	10.51	-0.07	0.01	0.04	-3.85
		-3.85	3.89e-04	6.17e-06	0.0	49.6	-2.83	-4.72	-0.07	0.01	3.89e-04	-3.85
19	200	-11.76	2.63e-03	-8.23e-05	-15.23	0.0	-2.05	0.32	0.08	5.43e-03	-0.04	-11.76
		-15.38	-0.04	1.30e-04	0.0	49.6	-2.05	-14.91	0.08	5.43e-03	2.63e-03	-15.38
19	203	-1.28	0.03	4.72e-05	-15.23	0.0	-2.70	11.66	-0.06	-6.20e-03	0.03	-3.49
		-3.49	-1.15e-03	-1.27e-04	0.0	49.6	-2.70	-3.57	-0.06	-6.20e-03	-1.15e-03	-3.49

19	212	-9.68	-7.73e-03	-5.21e-05	-15.23	0.0	-1.96	3.11	0.16	-0.02	-0.09	-9.84
		-12.07	-0.09	2.37e-04	0.0	49.6	-1.96	-12.12	0.16	-0.02	-7.73e-03	-12.07
19	215	-4.14	0.08	1.70e-05	-15.23	0.0	-2.79	8.86	-0.14	0.02	0.08	-5.42
		-5.42	9.21e-03	-2.34e-04	0.0	49.6	-2.79	-6.37	-0.14	0.02	9.21e-03	-4.80
19	220	-12.01	1.20e-03	-8.58e-05	-15.23	0.0	-1.85	0.73	0.10	-0.02	-0.05	-12.01
		-15.75	-0.05	-5.98e-06	0.0	49.6	-1.85	-14.49	0.10	-0.02	1.20e-03	-15.75
19	223	-0.94	0.04	5.06e-05	-15.23	0.0	-2.90	11.24	-0.08	0.02	0.04	-3.24
		-3.24	2.74e-04	8.61e-06	0.0	49.6	-2.90	-3.99	-0.08	0.02	2.74e-04	-1.12
19	232	-12.45	2.84e-03	-9.31e-05	-15.23	0.0	-2.00	-0.62	0.09	6.42e-03	-0.05	-12.45
		-16.53	-0.05	1.56e-04	0.0	49.6	-2.00	-15.85	0.09	6.42e-03	2.84e-03	-16.53
19	235	-0.23	0.04	5.79e-05	-15.23	0.0	-2.75	12.59	-0.07	-7.20e-03	0.04	-2.81
		-2.81	-1.36e-03	-1.54e-04	0.0	49.6	-2.75	-2.64	-0.07	-7.20e-03	-1.36e-03	-0.34
20	4	-12.13	-8.21e-04	-1.97e-05	-28.88	0.0	-2.34	14.50	-0.02	-1.30e-03	-8.21e-04	-13.94
		-13.94	-8.47e-03	2.82e-06	0.0	49.6	-2.34	-14.38	-0.02	-1.30e-03	-8.47e-03	-13.91
20	18	-10.89	-4.45e-04	-1.76e-05	-23.68	0.0	-1.83	11.54	-0.02	-1.29e-03	-4.45e-04	-12.28
		-12.43	-8.96e-03	2.25e-06	0.0	49.6	-1.83	-12.15	-0.02	-1.29e-03	-8.96e-03	-12.43
20	19	-4.95	5.95e-05	-9.33e-06	-7.53	0.0	-0.62	3.07	-0.01	-8.01e-04	5.95e-05	-5.26
		-5.60	-6.06e-03	0.0	0.0	49.6	-0.62	-4.46	-0.01	-8.01e-04	-6.06e-03	-5.60
20	44	-9.97	-2.06e-03	2.35e-05	-23.68	0.0	-3.76	12.66	-2.23e-03	-8.65e-04	-2.06e-03	-11.64
		-11.64	-3.08e-03	2.64e-06	0.0	49.6	-3.76	-11.02	-2.23e-03	-8.65e-04	-3.08e-03	-11.24
20	45	-4.04	-1.83e-04	1.14e-05	-7.53	0.0	-2.55	4.20	2.78e-03	-3.82e-04	-1.56e-03	-4.62
		-4.62	-1.56e-03	1.08e-06	0.0	49.6	-2.55	-3.33	2.78e-03	-3.82e-04	-1.83e-04	-4.40
20	68	-8.53	-6.31e-04	-1.35e-05	-19.85	0.0	-1.69	9.94	-0.01	-9.39e-04	-6.31e-04	-9.77
		-9.77	-6.05e-03	2.00e-06	0.0	49.6	-1.69	-9.91	-0.01	-9.39e-04	-6.05e-03	-9.76
20	72	-5.10	-2.14e-04	-7.77e-06	-8.30	0.0	-0.89	3.66	-0.01	-7.57e-04	-2.14e-04	-5.50
		-5.74	-5.31e-03	0.0	0.0	49.6	-0.89	-4.64	-0.01	-7.57e-04	-5.31e-03	-5.74
20	75	-7.70	-3.80e-04	-1.21e-05	-16.38	0.0	-1.35	7.96	-0.01	-9.29e-04	-3.80e-04	-8.66
		-8.77	-6.37e-03	1.62e-06	0.0	49.6	-1.35	-8.42	-0.01	-9.29e-04	-6.37e-03	-8.77
20	85	-4.49	-1.29e-03	8.89e-06	-8.30	0.0	-2.18	4.41	-2.85e-04	-4.78e-04	-1.29e-03	-5.07
		-5.07	-1.39e-03	1.19e-06	0.0	49.6	-2.18	-3.89	-2.85e-04	-4.78e-04	-1.39e-03	-4.94
20	88	-7.09	-1.46e-03	1.56e-05	-16.38	0.0	-2.64	8.71	-2.15e-03	-6.49e-04	-1.46e-03	-8.24
		-8.24	-2.45e-03	1.88e-06	0.0	49.6	-2.64	-7.67	-2.15e-03	-6.49e-04	-2.45e-03	-7.98
20	98	-7.02	-8.33e-04	-1.03e-05	-16.38	0.0	-1.71	8.30	-7.58e-03	-7.73e-04	-8.33e-04	-8.06
		-8.06	-4.45e-03	1.84e-06	0.0	49.6	-1.71	-8.08	-7.58e-03	-7.73e-04	-4.45e-03	-8.01
20	102	-4.86	-6.21e-04	-5.31e-06	-8.30	0.0	-1.23	3.96	-6.94e-03	-6.57e-04	-6.21e-04	-5.33
		-5.42	-3.93e-03	1.18e-06	0.0	49.6	-1.23	-4.34	-6.94e-03	-6.57e-04	-3.93e-03	-5.42
20	103	-6.76	-7.16e-04	-1.01e-05	-15.23	0.0	-1.57	7.62	-8.28e-03	-7.78e-04	-7.16e-04	-7.71
		-7.71	-4.67e-03	1.69e-06	0.0	49.6	-1.57	-7.61	-8.28e-03	-7.78e-04	-4.67e-03	-7.71
20	104	-4.74	-8.37e-04	-4.31e-06	-8.30	0.0	-1.49	4.11	-4.86e-03	-6.01e-04	-8.37e-04	-5.24
		-5.26	-3.15e-03	1.24e-06	0.0	49.6	-1.49	-4.19	-4.86e-03	-6.01e-04	-3.15e-03	-5.26
20	105	-6.64	-9.31e-04	-9.07e-06	-15.23	0.0	-1.83	7.77	-6.21e-03	-7.22e-04	-9.31e-04	-7.62
		-7.62	-3.88e-03	1.74e-06	0.0	49.6	-1.83	-7.46	-6.21e-03	-7.22e-04	-3.88e-03	-7.55
20	106	-4.80	-7.23e-04	-4.80e-06	-8.30	0.0	-1.32	4.04	-6.01e-03	-6.32e-04	-7.23e-04	-5.29
		-5.34	-3.58e-03	1.25e-06	0.0	49.6	-1.32	-4.26	-6.01e-03	-6.32e-04	-3.58e-03	-5.34
20	107	-6.70	-8.17e-04	-9.55e-06	-15.23	0.0	-1.66	7.69	-7.36e-03	-7.53e-04	-8.17e-04	-7.67
		-7.67	-4.32e-03	1.75e-06	0.0	49.6	-1.66	-7.53	-7.36e-03	-7.53e-04	-4.32e-03	-7.63
20	116	-7.94	-0.02	-1.78e-05	-15.23	0.0	-1.64	6.02	-0.09	-0.02	-0.02	-8.53
		-9.32	-0.06	1.70e-04	0.0	49.6	-1.64	-9.21	-0.09	-0.02	-0.06	-9.32
20	119	-5.37	0.06	2.60e-05	-15.23	0.0	-1.67	9.37	0.07	0.02	0.02	-6.80
		-6.80	0.02	-1.67e-04	0.0	49.6	-1.67	-5.86	0.07	0.02	0.06	-5.94
20	133	-4.06	-1.31e-03	4.58e-05	-15.23	0.0	-1.27	11.53	-3.80e-03	-0.01	-0.01	-6.08
		-6.08	-0.01	-2.73e-06	0.0	49.6	-1.27	-3.70	-3.80e-03	-0.01	-1.31e-03	-4.33
20	134	-8.96	0.01	-3.13e-05	-15.23	0.0	-2.05	3.86	-0.01	0.01	0.01	-9.25
		-10.92	-7.33e-03	6.23e-06	0.0	49.6	-2.05	-11.37	-0.01	0.01	-7.33e-03	-10.92
20	136	-9.24	1.47e-03	-3.49e-05	-15.23	0.0	-1.98	3.85	-0.05	3.61e-03	1.47e-03	-9.48
		-11.35	-0.04	1.13e-04	0.0	49.6	-1.98	-11.38	-0.05	3.61e-03	-0.04	-11.35
20	139	-3.68	0.03	5.00e-05	-15.23	0.0	-1.33	11.54	0.03	-5.11e-03	-3.11e-03	-5.85
		-5.85	-3.11e-03	-1.10e-04	0.0	49.6	-1.33	-3.69	0.03	-5.11e-03	0.03	-3.91
20	148	-8.09	-0.02	-1.92e-05	-15.23	0.0	-1.64	5.81	-0.10	-0.02	-0.02	-8.64
		-9.53	-0.07	1.93e-04	0.0	49.6	-1.64	-9.42	-0.10	-0.02	-0.07	-9.53
20	151	-5.20	0.06	2.84e-05	-15.23	0.0	-1.67	9.58	0.08	0.02	0.02	-6.69
		-6.69	0.02	-1.89e-04	0.0	49.6	-1.67	-5.65	0.08	0.02	0.06	-5.72
20	165	-3.70	-8.64e-04	5.05e-05	-15.23	0.0	-1.22	12.01	-3.25e-03	-0.02	-0.02	-5.88
		-5.88	-0.02	-3.65e-06	0.0	49.6	-1.22	-3.22	-3.25e-03	-0.02	-8.64e-04	-3.92
20	166	-9.21	0.01	-3.54e-05	-15.23	0.0	-2.09	3.38	-0.01	0.01	0.01	-9.45
		-11.33	-7.78e-03	7.16e-06	0.0	49.6	-2.09	-11.85	-0.01	0.01	-7.78e-03	-11.33
20	168	-9.53	1.74e-03	-4.00e-05	-15.23	0.0	-2.02	3.37	-0.05	4.17e-03	1.74e-03	-9.71
		-11.81	-0.04	1.28e-04	0.0	49.6	-2.02	-11.86	-0.05	4.17e-03	-0.04	-11.81
20	171	-3.27	0.03	5.53e-05	-15.23	0.0	-1.29	12.02	0.04	-5.68e-03	-3.37e-03	-5.62
		-5.62	-3.37e-03	-1.25e-04	0.0	49.6	-1.29	-3.21	0.04	-5.68e-03	0.03	-3.44
20	180	-8.08	-0.02	-1.91e-05	-15.23	0.0	-1.64	5.85	-0.10	-0.02	-0.02	-8.64
		-9.51	-0.07	2.01e-04	0.0	49.6	-1.64	-9.38	-0.10	-0.02	-0.07	-9.51
20	183	-5.22	0.07	2.83e-05	-15.23	0.0	-1.67	9.54	0.08	0.02	0.02	-6.70
		-6.70	0.02	-1.97e-04	0.0	49.6	-1.67	-5.69	0.08	0.02	0.07	-5.75
20	197	-3.74	-4.46e-04	5.01e-05	-15.23	0.0	-1.23	11.95	-2.64e-03	-0.01	-0.02	-5.90

		-5.90	-0.02	-5.48e-06	0.0	49.6	-1.23	-3.28	-2.64e-03	-0.01	-4.46e-04	-3.97
20	198	-9.19	0.01	-3.50e-05	-15.23	0.0	-2.08	3.44	-0.01	0.01	0.01	-9.43
		-11.29	-8.20e-03	8.99e-06	0.0	49.6	-2.08	-11.79	-0.01	0.01	-8.20e-03	-11.29
20	200	-9.50	1.46e-03	-3.95e-05	-15.23	0.0	-2.01	3.43	-0.06	4.24e-03	1.46e-03	-9.69
		-11.76	-0.04	1.33e-04	0.0	49.6	-2.01	-11.80	-0.06	4.24e-03	-0.04	-11.76
20	203	-3.32	0.03	5.48e-05	-15.23	0.0	-1.30	11.96	0.04	-5.74e-03	-3.10e-03	-5.65
		-5.65	-3.10e-03	-1.30e-04	0.0	49.6	-1.30	-3.27	0.04	-5.74e-03	0.03	-3.49
20	212	-8.31	-0.03	-2.13e-05	-15.23	0.0	-1.64	5.54	-0.12	-0.02	-0.03	-8.81
		-9.84	-0.09	2.43e-04	0.0	49.6	-1.64	-9.69	-0.12	-0.02	-0.09	-9.84
20	215	-4.95	0.08	3.19e-05	-15.23	0.0	-1.67	9.85	0.10	0.02	0.02	-6.53
		-6.53	0.02	-2.40e-04	0.0	49.6	-1.67	-5.38	0.10	0.02	0.08	-5.42
20	229	-3.21	5.17e-04	5.70e-05	-15.23	0.0	-1.16	12.64	-1.31e-03	-0.02	-0.02	-5.61
		-5.61	-0.02	-8.34e-06	0.0	49.6	-1.16	-2.59	-1.31e-03	-0.02	5.17e-04	-3.36
20	230	-9.55	0.02	-4.17e-05	-15.23	0.0	-2.15	2.75	-0.01	0.02	0.02	-9.72
		-11.89	-9.16e-03	1.18e-05	0.0	49.6	-2.15	-12.48	-0.01	0.02	-9.16e-03	-11.89
20	232	-9.91	1.60e-03	-4.74e-05	-15.23	0.0	-2.07	2.73	-0.07	5.06e-03	1.60e-03	-10.03
		-12.45	-0.05	1.60e-04	0.0	49.6	-2.07	-12.50	-0.07	5.06e-03	-0.05	-12.45
20	235	-2.70	0.04	6.27e-05	-15.23	0.0	-1.24	12.66	0.05	-6.57e-03	-3.24e-03	-5.31
		-5.31	-3.24e-03	-1.57e-04	0.0	49.6	-1.24	-2.56	0.05	-6.57e-03	0.04	-2.81
21	4	-12.55	-8.66e-04	7.21e-05	-28.88	0.0	-0.85	16.16	0.02	-1.88e-03	-0.01	-14.79
		-14.79	-0.01	2.79e-06	0.0	49.6	-0.85	-12.72	0.02	-1.88e-03	-8.66e-04	-13.94
21	19	-4.82	1.96e-05	1.47e-05	-7.53	0.0	-7.58e-04	3.87	0.01	-1.12e-03	-5.66e-03	-5.31
		-5.31	-5.66e-03	0.0	0.0	49.6	-7.58e-04	-3.66	0.01	-1.12e-03	1.96e-05	-5.26
21	44	-10.64	-2.07e-03	7.46e-05	-23.68	0.0	-2.49	13.89	0.01	-1.53e-03	-8.58e-03	-12.66
		-12.66	-8.58e-03	2.78e-06	0.0	49.6	-2.49	-9.80	0.01	-1.53e-03	-2.07e-03	-11.64
21	45	-4.35	-1.56e-03	3.23e-05	-7.53	0.0	-1.99	4.67	4.52e-03	-8.37e-04	-3.81e-03	-5.07
		-5.07	-3.81e-03	1.21e-06	0.0	49.6	-1.99	-2.86	4.52e-03	-8.37e-04	-1.56e-03	-4.62
21	68	-8.81	-6.63e-04	5.01e-05	-19.85	0.0	-0.64	11.11	0.01	-1.38e-03	-7.94e-03	-10.36
		-10.36	-7.94e-03	1.98e-06	0.0	49.6	-0.64	-8.74	0.01	-1.38e-03	-6.63e-04	-9.77
21	72	-5.05	-2.48e-04	1.97e-05	-8.30	0.0	-0.24	4.44	0.01	-1.11e-03	-5.60e-03	-5.64
		-5.64	-5.60e-03	0.0	0.0	49.6	-0.24	-3.86	0.01	-1.11e-03	-2.48e-04	-5.50
21	85	-4.74	-1.30e-03	3.14e-05	-8.30	0.0	-1.56	4.98	6.19e-03	-9.19e-04	-4.37e-03	-5.48
		-5.48	-4.37e-03	1.28e-06	0.0	49.6	-1.56	-3.32	6.19e-03	-9.19e-04	-1.30e-03	-5.07
21	88	-7.54	-1.47e-03	5.18e-05	-16.38	0.0	-1.73	9.60	9.71e-03	-1.14e-03	-6.26e-03	-8.93
		-8.93	-6.26e-03	1.97e-06	0.0	49.6	-1.73	-6.79	9.71e-03	-1.14e-03	-1.47e-03	-8.24
21	98	-7.29	-8.57e-04	4.35e-05	-16.38	0.0	-0.81	9.25	0.01	-1.21e-03	-6.60e-03	-8.59
		-8.59	-6.60e-03	1.85e-06	0.0	49.6	-0.81	-7.14	0.01	-1.21e-03	-8.57e-04	-8.06
21	102	-4.93	-6.45e-04	2.45e-05	-8.30	0.0	-0.58	4.66	9.18e-03	-1.05e-03	-5.17e-03	-5.58
		-5.58	-5.17e-03	1.19e-06	0.0	49.6	-0.58	-3.64	9.18e-03	-1.05e-03	-6.45e-04	-5.33
21	104	-4.87	-8.55e-04	2.69e-05	-8.30	0.0	-0.85	4.77	8.24e-03	-1.01e-03	-4.93e-03	-5.55
		-5.55	-4.93e-03	1.27e-06	0.0	49.6	-0.85	-3.53	8.24e-03	-1.01e-03	-8.55e-04	-5.24
21	105	-6.92	-9.52e-04	4.21e-05	-15.23	0.0	-0.97	8.65	0.01	-1.16e-03	-6.24e-03	-8.14
		-8.14	-6.24e-03	1.77e-06	0.0	49.6	-0.97	-6.58	0.01	-1.16e-03	-9.52e-04	-7.62
21	106	-4.90	-7.45e-04	2.57e-05	-8.30	0.0	-0.67	4.71	8.76e-03	-1.03e-03	-5.07e-03	-5.57
		-5.57	-5.07e-03	1.27e-06	0.0	49.6	-0.67	-3.59	8.76e-03	-1.03e-03	-7.45e-04	-5.29
21	107	-6.95	-8.41e-04	4.10e-05	-15.23	0.0	-0.79	8.60	0.01	-1.18e-03	-6.38e-03	-8.16
		-8.16	-6.38e-03	1.77e-06	0.0	49.6	-0.79	-6.63	0.01	-1.18e-03	-8.41e-04	-7.67
21	116	-7.54	-0.02	2.18e-05	-15.23	0.0	-1.66	7.35	0.05	-0.02	-0.05	-8.43
		-8.53	-0.05	1.71e-04	0.0	49.6	-1.66	-7.88	0.05	-0.02	-0.02	-8.53
21	119	-6.32	0.04	6.01e-05	-15.23	0.0	0.09	9.84	-0.03	0.02	0.04	-7.88
		-7.88	0.02	-1.68e-04	0.0	49.6	0.09	-5.38	-0.03	0.02	0.02	-6.80
21	136	-8.01	2.05e-03	-1.12e-05	-15.23	0.0	-2.10	5.68	0.04	2.84e-03	-0.03	-8.54
		-9.48	-0.03	1.14e-04	0.0	49.6	-2.10	-9.55	0.04	2.84e-03	2.05e-03	-9.48
21	139	-5.62	0.02	8.06e-05	-15.23	0.0	0.53	11.51	-0.01	-5.21e-03	0.02	-7.77
		-7.77	-3.73e-03	-1.10e-04	0.0	49.6	0.53	-3.71	-0.01	-5.21e-03	-3.73e-03	-5.85
21	148	-7.61	-0.02	1.95e-05	-15.23	0.0	-1.77	7.20	0.06	-0.02	-0.05	-8.47
		-8.64	-0.05	1.94e-04	0.0	49.6	-1.77	-8.03	0.06	-0.02	-0.02	-8.64
21	151	-6.24	0.04	6.25e-05	-15.23	0.0	0.20	10.00	-0.04	0.02	0.04	-7.84
		-7.84	0.02	-1.90e-04	0.0	49.6	0.20	-5.23	-0.04	0.02	0.02	-6.69
21	168	-8.12	2.39e-03	-1.35e-05	-15.23	0.0	-2.27	5.32	0.04	3.36e-03	-0.03	-8.59
		-9.71	-0.03	1.28e-04	0.0	49.6	-2.27	-9.91	0.04	3.36e-03	2.39e-03	-9.71
21	171	-5.44	0.02	8.55e-05	-15.23	0.0	0.69	11.88	-0.02	-5.72e-03	0.02	-7.72
		-7.72	-4.07e-03	-1.25e-04	0.0	49.6	0.69	-3.35	-0.02	-5.72e-03	-4.07e-03	-5.62
21	180	-7.61	-0.02	2.02e-05	-15.23	0.0	-1.75	7.23	0.06	-0.02	-0.05	-8.47
		-8.64	-0.05	2.02e-04	0.0	49.6	-1.75	-8.00	0.06	-0.02	-0.02	-8.64
21	183	-6.24	0.04	6.18e-05	-15.23	0.0	0.18	9.97	-0.04	0.02	0.04	-7.84
		-7.84	0.02	-1.99e-04	0.0	49.6	0.18	-5.26	-0.04	0.02	0.02	-6.70
21	200	-8.11	2.12e-03	-1.31e-05	-15.23	0.0	-2.25	5.36	0.04	3.33e-03	-0.03	-8.58
		-9.69	-0.03	1.34e-04	0.0	49.6	-2.25	-9.86	0.04	3.33e-03	2.12e-03	-9.69
21	203	-5.46	0.02	8.48e-05	-15.23	0.0	0.68	11.83	-0.02	-5.69e-03	0.02	-7.73
		-7.73	-3.81e-03	-1.30e-04	0.0	49.6	0.68	-3.40	-0.02	-5.69e-03	-3.81e-03	-5.65
21	212	-7.72	-0.03	1.67e-05	-15.23	0.0	-1.92	7.00	0.07	-0.03	-0.06	-8.53
		-8.81	-0.06	2.45e-04	0.0	49.6	-1.92	-8.23	0.07	-0.03	-0.03	-8.81
21	215	-6.11	0.05	6.53e-05	-15.23	0.0	0.35	10.20	-0.05	0.02	0.05	-7.78
		-7.78	0.02	-2.41e-04	0.0	49.6	0.35	-5.03	-0.05	0.02	0.02	-6.53

21	232	-8.27	2.38e-03	-1.70e-05	-15.23	0.0	-2.50	4.83	0.04	4.01e-03	-0.04	-8.66
		-10.03	-0.04	1.61e-04	0.0	49.6	-2.50	-10.40	0.04	4.01e-03	2.38e-03	-10.03
21	235	-5.17	0.03	9.20e-05	-15.23	0.0	0.93	12.36	-0.02	-6.37e-03	0.03	-7.65
		-7.65	-4.06e-03	-1.57e-04	0.0	49.6	0.93	-2.86	-0.02	-6.37e-03	-4.06e-03	-5.31
22	18	2.75	0.02	-2.19e-04	-14.32	0.0	-1.08	2.38	0.03	0.0	4.24e-03	2.65
		-8.68e-03	4.24e-03	1.09e-05	0.0	55.6	-1.08	-11.94	0.03	0.0	0.02	-8.68e-03
22	19	0.90	0.01	-1.48e-04	-4.83	0.0	-0.44	0.86	0.02	0.0	4.74e-03	0.86
		-4.53e-03	4.74e-03	6.39e-06	0.0	55.6	-0.44	-3.98	0.02	0.0	0.01	-4.53e-03
22	28	3.56	7.60e-03	-1.23e-04	-17.22	0.0	-1.61	2.35	0.01	0.0	-3.57e-04	3.47
		-9.78e-03	-3.57e-04	8.41e-06	0.0	55.6	-1.61	-14.87	0.01	0.0	7.60e-03	-9.78e-03
22	45	1.30	-6.60e-04	-1.32e-05	-4.83	0.0	-0.92	0.07	-0.02	0.0	-6.60e-04	1.30
		-4.94e-03	-0.01	1.76e-06	0.0	55.6	-0.92	-4.77	-0.02	0.0	-0.01	-4.94e-03
22	72	1.07	0.01	-1.28e-04	-5.39	0.0	-0.54	0.83	0.01	0.0	3.89e-03	1.03
		-4.77e-03	3.89e-03	6.03e-06	0.0	55.6	-0.54	-4.56	0.01	0.0	0.01	-4.77e-03
22	75	1.92	0.02	-1.55e-04	-9.90	0.0	-0.79	1.60	0.02	0.0	3.20e-03	1.85
		-6.32e-03	3.20e-03	7.80e-06	0.0	55.6	-0.79	-8.30	0.02	0.0	0.02	-6.32e-03
22	80	2.46	4.98e-03	-9.06e-05	-11.83	0.0	-1.14	1.57	8.73e-03	0.0	1.35e-04	2.40
		-7.05e-03	1.35e-04	6.13e-06	0.0	55.6	-1.14	-10.25	8.73e-03	0.0	4.98e-03	-7.05e-03
22	85	1.33	2.95e-04	-3.56e-05	-5.39	0.0	-0.86	0.31	-0.01	0.0	2.95e-04	1.32
		-5.04e-03	-6.04e-03	2.94e-06	0.0	55.6	-0.86	-5.09	-0.01	0.0	-6.04e-03	-5.04e-03
22	98	1.98	7.58e-03	-1.05e-04	-9.90	0.0	-0.91	1.49	0.01	0.0	1.68e-03	1.91
		-6.12e-03	1.68e-03	6.39e-06	0.0	55.6	-0.91	-8.40	0.01	0.0	7.58e-03	-6.12e-03
22	102	1.16	4.13e-03	-9.15e-05	-5.39	0.0	-0.65	0.63	2.61e-03	0.0	2.68e-03	1.14
		-4.87e-03	2.68e-03	5.13e-06	0.0	55.6	-0.65	-4.76	2.61e-03	0.0	4.13e-03	-4.87e-03
22	103	1.84	8.40e-03	-1.11e-04	-9.25	0.0	-0.85	1.41	0.01	0.0	2.09e-03	1.78
		-5.92e-03	2.09e-03	6.40e-06	0.0	55.6	-0.85	-7.84	0.01	0.0	8.40e-03	-5.92e-03
22	104	1.21	1.96e-03	-7.29e-05	-5.39	0.0	-0.72	0.53	-1.95e-03	0.0	1.96e-03	1.20
		-4.93e-03	8.72e-04	4.51e-06	0.0	55.6	-0.72	-4.87	-1.95e-03	0.0	8.72e-04	-4.93e-03
22	105	1.89	5.14e-03	-9.22e-05	-9.25	0.0	-0.91	1.31	6.79e-03	0.0	1.37e-03	1.84
		-5.98e-03	1.37e-03	5.78e-06	0.0	55.6	-0.91	-7.95	6.79e-03	0.0	5.14e-03	-5.98e-03
22	106	1.19	2.60e-03	-8.22e-05	-5.39	0.0	-0.68	0.58	4.09e-04	0.0	2.37e-03	1.17
		-4.90e-03	2.37e-03	4.90e-06	0.0	55.6	-0.68	-4.81	4.09e-04	0.0	2.60e-03	-4.90e-03
22	107	1.86	6.87e-03	-1.02e-04	-9.25	0.0	-0.88	1.36	9.15e-03	0.0	1.78e-03	1.81
		-5.95e-03	1.78e-03	6.18e-06	0.0	55.6	-0.88	-7.89	9.15e-03	0.0	6.87e-03	-5.95e-03
22	109	1.58	-0.04	-1.45e-04	-9.25	0.0	-3.48	2.00	-0.17	0.0	-0.04	1.46
		-6.76e-04	-0.13	2.21e-04	0.0	55.6	-3.48	-7.25	-0.17	0.0	-0.13	-6.76e-04
22	110	2.17	0.15	-5.82e-05	-9.25	0.0	1.72	0.72	0.19	0.0	0.04	2.16
		-0.01	0.04	-2.09e-04	0.0	55.6	1.72	-8.53	0.19	0.0	0.15	-0.01
22	111	3.01	0.12	2.17e-04	-9.25	0.0	0.74	-0.81	0.15	0.0	0.04	3.01
		-0.01	0.04	-1.70e-04	0.0	55.6	0.74	-10.07	0.15	0.0	0.12	-0.01
22	121	2.91	-0.04	1.79e-04	-9.25	0.0	-3.40	-0.63	-0.18	0.0	-0.04	2.91
		1.08e-03	-0.14	1.93e-04	0.0	55.6	-3.40	-9.89	-0.18	0.0	-0.14	1.08e-03
22	122	1.04	0.16	-3.82e-04	-9.25	0.0	1.64	3.36	0.20	0.0	0.05	0.70
		-0.01	0.05	-1.81e-04	0.0	55.6	1.64	-5.90	0.20	0.0	0.16	-0.01
22	129	3.47	-0.02	4.12e-04	-9.25	0.0	-3.14	-1.63	-0.10	0.0	-0.02	3.47
		-8.09e-03	-0.08	1.33e-04	0.0	55.6	-3.14	-10.88	-0.10	0.0	-0.08	-8.09e-03
22	141	1.54	-0.05	-1.50e-04	-9.25	0.0	-3.81	2.08	-0.19	0.0	-0.05	1.41
		-2.29e-05	-0.15	2.49e-04	0.0	55.6	-3.81	-7.17	-0.19	0.0	-0.15	-2.29e-05
22	142	2.21	0.16	-5.30e-05	-9.25	0.0	2.06	0.64	0.21	0.0	0.05	2.20
		-0.01	0.05	-2.37e-04	0.0	55.6	2.06	-8.61	0.21	0.0	0.16	-0.01
22	153	3.05	-0.05	2.14e-04	-9.25	0.0	-3.73	-0.88	-0.20	0.0	-0.05	3.05
		1.91e-03	-0.16	2.18e-04	0.0	55.6	-3.73	-10.14	-0.20	0.0	-0.16	1.91e-03
22	154	0.95	0.18	-4.17e-04	-9.25	0.0	1.97	3.61	0.22	0.0	0.05	0.57
		-0.01	0.05	-2.05e-04	0.0	55.6	1.97	-5.65	0.22	0.0	0.18	-0.01
22	161	3.67	-0.03	4.76e-04	-9.25	0.0	-3.43	-2.01	-0.12	0.0	-0.03	3.67
		-8.37e-03	-0.09	1.50e-04	0.0	55.6	-3.43	-11.26	-0.12	0.0	-0.09	-8.37e-03
22	162	0.61	0.10	-6.79e-04	-9.25	0.0	1.68	4.73	0.13	0.0	0.03	-0.06
		-0.06	0.03	-1.37e-04	0.0	55.6	1.68	-4.52	0.13	0.0	0.10	-3.53e-03
22	181	3.17	-0.05	2.45e-04	-9.25	0.0	-3.87	-1.10	-0.20	0.0	-0.05	3.17
		-1.08e-03	-0.16	2.71e-04	0.0	55.6	-3.87	-10.35	-0.20	0.0	-0.16	-1.08e-03
22	182	0.88	0.17	-4.48e-04	-9.25	0.0	2.12	3.83	0.22	0.0	0.05	0.45
		-0.01	0.05	-2.58e-04	0.0	55.6	2.12	-5.43	0.22	0.0	0.17	-0.01
22	185	3.03	-0.05	2.00e-04	-9.25	0.0	-3.79	-0.85	-0.21	0.0	-0.05	3.03
		1.31e-03	-0.17	2.26e-04	0.0	55.6	-3.79	-10.10	-0.21	0.0	-0.17	1.31e-03
22	186	0.96	0.18	-4.03e-04	-9.25	0.0	2.03	3.57	0.23	0.0	0.05	0.58
		-0.01	0.05	-2.13e-04	0.0	55.6	2.03	-5.68	0.23	0.0	0.18	-0.01
22	193	3.66	-0.03	4.68e-04	-9.25	0.0	-3.46	-1.98	-0.12	0.0	-0.03	3.66
		-8.39e-03	-0.09	1.54e-04	0.0	55.6	-3.46	-11.23	-0.12	0.0	-0.09	-8.39e-03
22	194	0.62	0.10	-6.71e-04	-9.25	0.0	1.70	4.71	0.14	0.0	0.03	-0.04
		-0.04	0.03	-1.42e-04	0.0	55.6	1.70	-4.55	0.14	0.0	0.10	-3.50e-03
22	213	3.42	-0.06	3.03e-04	-9.25	0.0	-4.48	-1.55	-0.25	0.0	-0.06	3.42
		-3.59e-04	-0.20	3.26e-04	0.0	55.6	-4.48	-10.80	-0.25	0.0	-0.20	-3.59e-04
22	214	0.74	0.21	-5.06e-04	-9.25	0.0	2.72	4.27	0.26	0.0	0.06	0.20
		-0.01	0.06	-3.14e-04	0.0	55.6	2.72	-4.98	0.26	0.0	0.21	-0.01
22	217	3.25	-0.06	2.50e-04	-9.25	0.0	-4.37	-1.25	-0.26	0.0	-0.06	3.25

		2.39e-03	-0.20	2.72e-04	0.0	55.6	-4.37	-10.50	-0.26	0.0	-0.20	2.39e-03
22	218	0.83	0.22	-4.53e-04	-9.25	0.0	2.61	3.97	0.27	0.0	0.06	0.36
		-0.01	0.06	-2.60e-04	0.0	55.6	2.61	-5.28	0.27	0.0	0.22	-0.01
22	225	3.98	-0.03	5.62e-04	-9.25	0.0	-3.94	-2.55	-0.15	0.0	-0.03	3.98
		-8.80e-03	-0.11	1.84e-04	0.0	55.6	-3.94	-11.81	-0.15	0.0	-0.11	-8.80e-03
22	226	0.47	0.12	-7.65e-04	-9.25	0.0	2.18	5.28	0.16	0.0	0.04	-0.36
		-0.36	0.04	-1.72e-04	0.0	55.6	2.18	-3.98	0.16	0.0	0.12	-3.10e-03
23	15	1.56	5.28e-03	-2.41e-04	-7.57	0.0	-2.48	5.53	8.44e-03	0.0	5.89e-04	0.44
		0.44	5.89e-04	7.66e-06	0.0	55.6	-2.48	-2.04	8.44e-03	0.0	5.28e-03	1.41
23	19	0.92	4.74e-03	-1.90e-04	-4.83	0.0	-1.58	3.79	7.70e-03	0.0	4.61e-04	0.10
		0.10	4.61e-04	5.86e-06	0.0	55.6	-1.58	-1.05	7.70e-03	0.0	4.74e-03	0.86
23	28	4.21	6.04e-04	-2.48e-04	-17.22	0.0	-5.29	10.46	-1.73e-03	0.0	6.04e-04	2.44
		2.44	-3.57e-04	8.47e-06	0.0	55.6	-5.29	-6.76	-1.73e-03	0.0	-3.57e-04	3.47
23	48	3.07	3.83e-04	-1.38e-04	-11.59	0.0	-4.22	6.86	-3.75e-03	0.0	3.83e-04	1.95
		1.95	-1.70e-03	4.62e-06	0.0	55.6	-4.22	-4.73	-3.75e-03	0.0	-1.70e-03	2.54
23	72	1.14	3.89e-03	-1.73e-04	-5.39	0.0	-1.89	3.96	6.22e-03	0.0	4.34e-04	0.33
		0.33	4.34e-04	5.59e-06	0.0	55.6	-1.89	-1.43	6.22e-03	0.0	3.89e-03	1.03
23	80	2.90	4.44e-04	-1.78e-04	-11.83	0.0	-3.77	7.24	-5.56e-04	0.0	4.44e-04	1.67
		1.67	1.35e-04	6.13e-06	0.0	55.6	-3.77	-4.58	-5.56e-04	0.0	1.35e-04	2.40
23	88	2.57	3.82e-04	-1.39e-04	-9.90	0.0	-3.65	6.01	-1.41e-03	0.0	3.82e-04	1.56
		1.56	-4.01e-04	4.76e-06	0.0	55.6	-3.65	-3.89	-1.41e-03	0.0	-4.01e-04	2.15
23	98	2.28	1.68e-03	-1.77e-04	-9.90	0.0	-3.05	6.27	2.24e-03	0.0	4.36e-04	1.18
		1.18	4.36e-04	6.21e-06	0.0	55.6	-3.05	-3.63	2.24e-03	0.0	1.68e-03	1.91
23	102	1.29	2.68e-03	-1.37e-04	-5.39	0.0	-2.24	3.72	4.14e-03	0.0	3.75e-04	0.57
		0.57	3.75e-04	4.82e-06	0.0	55.6	-2.24	-1.67	4.14e-03	0.0	2.68e-03	1.14
23	104	1.37	1.96e-03	-1.19e-04	-5.39	0.0	-2.42	3.60	2.90e-03	0.0	3.45e-04	0.70
		0.70	3.45e-04	4.28e-06	0.0	55.6	-2.42	-1.79	2.90e-03	0.0	1.96e-03	1.20
23	106	1.33	2.37e-03	-1.28e-04	-5.39	0.0	-2.32	3.66	3.62e-03	0.0	3.60e-04	0.63
		0.63	3.60e-04	4.63e-06	0.0	55.6	-2.32	-1.73	3.62e-03	0.0	2.37e-03	1.17
23	107	2.15	1.78e-03	-1.70e-04	-9.25	0.0	-2.95	5.90	2.44e-03	0.0	4.25e-04	1.10
		1.10	4.25e-04	5.98e-06	0.0	55.6	-2.95	-3.36	2.44e-03	0.0	1.78e-03	1.81
23	109	1.84	2.45e-03	-2.00e-04	-9.25	0.0	-11.68	6.35	-0.08	0.0	2.45e-03	0.87
		0.87	-0.04	2.25e-04	0.0	55.6	-11.68	-2.90	-0.08	0.0	-0.04	1.46
23	110	2.45	0.04	-1.40e-04	-9.25	0.0	5.78	5.44	0.08	0.0	-1.60e-03	1.33
		1.33	-1.60e-03	-2.13e-04	0.0	55.6	5.78	-3.81	0.08	0.0	0.04	2.16
23	121	2.92	2.04e-03	8.73e-05	-9.25	0.0	-11.42	6.30	-0.08	0.0	2.04e-03	0.71
		0.71	-0.04	1.96e-04	0.0	55.6	-11.42	-2.95	-0.08	0.0	-0.04	2.91
23	122	1.80	0.05	-4.28e-04	-9.25	0.0	5.52	5.49	0.09	0.0	-1.19e-03	1.49
		0.70	-1.19e-03	-1.84e-04	0.0	55.6	5.52	-3.76	0.09	0.0	0.05	0.70
23	124	0.16	3.08e-03	-6.67e-04	-9.25	0.0	0.39	8.95	4.93e-03	0.0	2.27e-03	-2.11
		-2.11	2.27e-03	0.0	0.0	55.6	0.39	-0.31	4.93e-03	0.0	3.08e-03	0.16
23	127	4.60	4.84e-04	3.26e-04	-9.25	0.0	-6.29	2.85	-5.06e-05	0.0	-1.42e-03	4.31
		3.46	-1.42e-03	1.20e-05	0.0	55.6	-6.29	-6.41	-5.06e-05	0.0	4.84e-04	3.46
23	141	1.80	2.71e-03	-2.04e-04	-9.25	0.0	-12.79	6.41	-0.09	0.0	2.71e-03	0.85
		0.85	-0.05	2.53e-04	0.0	55.6	-12.79	-2.85	-0.09	0.0	-0.05	1.41
23	142	2.49	0.05	-1.37e-04	-9.25	0.0	6.89	5.39	0.09	0.0	-1.86e-03	1.36
		1.36	-1.86e-03	-2.41e-04	0.0	55.6	6.89	-3.87	0.09	0.0	0.05	2.20
23	153	3.05	2.26e-03	1.19e-04	-9.25	0.0	-12.52	6.35	-0.09	0.0	2.26e-03	0.67
		0.67	-0.05	2.22e-04	0.0	55.6	-12.52	-2.91	-0.09	0.0	-0.05	3.05
23	154	1.78	0.05	-4.59e-04	-9.25	0.0	6.62	5.45	0.10	0.0	-1.41e-03	1.53
		0.57	-1.41e-03	-2.10e-04	0.0	55.6	6.62	-3.81	0.10	0.0	0.05	0.57
23	156	-0.05	3.30e-03	-7.29e-04	-9.25	0.0	0.81	9.33	5.35e-03	0.0	2.51e-03	-2.51
		-2.51	2.51e-03	-1.17e-06	0.0	55.6	0.81	0.07	5.35e-03	0.0	3.30e-03	-0.05
23	159	4.94	2.62e-04	3.88e-04	-9.25	0.0	-6.71	2.47	-4.67e-04	0.0	-1.66e-03	4.71
		3.67	-1.66e-03	1.31e-05	0.0	55.6	-6.71	-6.79	-4.67e-04	0.0	2.62e-04	3.67
23	181	3.19	2.22e-03	1.48e-04	-9.25	0.0	-13.01	5.96	-0.09	0.0	2.22e-03	1.07
		1.07	-0.05	2.76e-04	0.0	55.6	-13.01	-3.29	-0.09	0.0	-0.05	3.17
23	182	1.48	0.05	-4.88e-04	-9.25	0.0	7.11	5.83	0.10	0.0	-1.37e-03	1.14
		0.45	-1.37e-03	-2.64e-04	0.0	55.6	7.11	-3.42	0.10	0.0	0.05	0.45
23	185	3.04	2.31e-03	1.04e-04	-9.25	0.0	-12.72	6.28	-0.10	0.0	2.31e-03	0.75
		0.75	-0.05	2.30e-04	0.0	55.6	-12.72	-2.97	-0.10	0.0	-0.05	3.03
23	186	1.73	0.05	-4.45e-04	-9.25	0.0	6.83	5.52	0.10	0.0	-1.46e-03	1.45
		0.58	-1.46e-03	-2.18e-04	0.0	55.6	6.83	-3.74	0.10	0.0	0.05	0.58
23	188	-0.03	3.63e-03	-7.19e-04	-9.25	0.0	0.83	9.26	5.91e-03	0.0	2.49e-03	-2.44
		-2.44	2.49e-03	-2.82e-06	0.0	55.6	0.83	7.75e-03	5.91e-03	0.0	3.63e-03	-0.03
23	191	4.89	-6.56e-05	3.78e-04	-9.25	0.0	-6.73	2.53	-1.03e-03	0.0	-1.64e-03	4.65
		3.65	-1.64e-03	1.48e-05	0.0	55.6	-6.73	-6.72	-1.03e-03	0.0	-6.56e-05	3.65
23	213	3.42	2.61e-03	1.99e-04	-9.25	0.0	-15.04	5.96	-0.11	0.0	2.61e-03	1.08
		1.08	-0.06	3.32e-04	0.0	55.6	-15.04	-3.29	-0.11	0.0	-0.06	3.42
23	214	1.38	0.06	-5.40e-04	-9.25	0.0	9.14	5.83	0.12	0.0	-1.76e-03	1.12
		0.20	-1.76e-03	-3.21e-04	0.0	55.6	9.14	-3.42	0.12	0.0	0.06	0.20
23	217	3.25	2.70e-03	1.47e-04	-9.25	0.0	-14.68	6.33	-0.12	0.0	2.70e-03	0.71
		0.71	-0.06	2.78e-04	0.0	55.6	-14.68	-2.92	-0.12	0.0	-0.06	3.25
23	218	1.69	0.06	-4.88e-04	-9.25	0.0	8.78	5.46	0.12	0.0	-1.85e-03	1.49
		0.36	-1.85e-03	-2.66e-04	0.0	55.6	8.78	-3.79	0.12	0.0	0.06	0.36

23	220	-0.34	4.20e-03	-8.08e-04	-9.25	0.0	1.50	9.80	6.96e-03	0.0	2.84e-03	-3.01
		-3.01	2.84e-03	-5.90e-06	0.0	55.6	1.50	0.55	6.96e-03	0.0	4.20e-03	-0.34
23	223	5.38	-6.39e-04	4.67e-04	-9.25	0.0	-7.40	1.99	-2.07e-03	0.0	-1.99e-03	5.22
		3.95	-1.99e-03	1.79e-05	0.0	55.6	-7.40	-7.26	-2.07e-03	0.0	-6.39e-04	3.95
24	4	1.88	0.03	-5.20e-04	-17.22	0.0	-7.56	26.57	-0.05	0.0	0.03	-8.10
		-8.10	7.36e-04	1.09e-05	0.0	55.6	-7.56	9.35	-0.05	0.0	7.36e-04	1.88
24	19	0.10	0.02	-2.58e-04	-4.83	0.0	-2.60	10.00	-0.03	0.0	0.02	-4.11
		-4.11	4.61e-04	5.85e-06	0.0	55.6	-2.60	5.16	-0.03	0.0	4.61e-04	0.10
24	28	2.44	0.03	-4.35e-04	-17.22	0.0	-8.77	25.29	-0.05	0.0	0.03	-6.82
		-6.82	6.04e-04	8.44e-06	0.0	55.6	-8.77	8.07	-0.05	0.0	6.04e-04	2.44
24	45	1.04	0.01	-1.18e-04	-4.83	0.0	-4.62	7.85	-0.02	0.0	0.01	-1.99
		-1.99	2.40e-04	1.81e-06	0.0	55.6	-4.62	3.02	-0.02	0.0	2.40e-04	1.04
24	68	1.29	0.02	-3.65e-04	-11.83	0.0	-5.42	18.52	-0.04	0.0	0.02	-5.71
		-5.71	5.32e-04	7.72e-06	0.0	55.6	-5.42	6.69	-0.04	0.0	5.32e-04	1.29
24	72	0.33	0.02	-2.47e-04	-5.39	0.0	-3.09	10.36	-0.03	0.0	0.02	-3.93
		-3.93	4.34e-04	5.57e-06	0.0	55.6	-3.09	4.97	-0.03	0.0	4.34e-04	0.33
24	80	1.67	0.02	-3.09e-04	-11.83	0.0	-6.22	17.66	-0.03	0.0	0.02	-4.86
		-4.86	4.44e-04	6.11e-06	0.0	55.6	-6.22	5.84	-0.03	0.0	4.44e-04	1.67
24	85	0.95	0.01	-1.53e-04	-5.39	0.0	-4.43	8.93	-0.02	0.0	0.01	-2.51
		-2.51	2.87e-04	2.88e-06	0.0	55.6	-4.43	3.54	-0.02	0.0	2.87e-04	0.95
24	98	1.18	0.02	-2.88e-04	-9.90	0.0	-5.03	15.26	-0.03	0.0	0.02	-4.55
		-4.55	4.36e-04	6.19e-06	0.0	55.6	-5.03	5.36	-0.03	0.0	4.36e-04	1.18
24	102	0.57	0.02	-2.09e-04	-5.39	0.0	-3.58	9.78	-0.03	0.0	0.02	-3.37
		-3.37	3.75e-04	4.81e-06	0.0	55.6	-3.58	4.39	-0.03	0.0	3.75e-04	0.57
24	104	0.70	0.01	-1.90e-04	-5.39	0.0	-3.84	9.50	-0.03	0.0	0.01	-3.08
		-3.08	3.45e-04	4.27e-06	0.0	55.6	-3.84	4.11	-0.03	0.0	3.45e-04	0.70
24	106	0.63	0.02	-2.00e-04	-5.39	0.0	-3.70	9.64	-0.03	0.0	0.02	-3.22
		-3.22	3.60e-04	4.62e-06	0.0	55.6	-3.70	4.25	-0.03	0.0	3.60e-04	0.63
24	107	1.10	0.02	-2.75e-04	-9.25	0.0	-4.84	14.45	-0.03	0.0	0.02	-4.36
		-4.36	4.25e-04	5.96e-06	0.0	55.6	-4.84	5.20	-0.03	0.0	4.25e-04	1.10
24	109	0.87	0.03	-2.91e-04	-9.25	0.0	-17.08	15.79	-0.04	0.0	0.03	-5.16
		-5.16	2.45e-03	2.24e-04	0.0	55.6	-17.08	6.54	-0.04	0.0	2.45e-03	0.87
24	110	1.33	0.01	-2.59e-04	-9.25	0.0	7.41	13.12	-0.02	0.0	0.01	-3.56
		-3.56	-1.60e-03	-2.12e-04	0.0	55.6	7.41	3.86	-0.02	0.0	-1.60e-03	1.33
24	124	-2.11	0.04	-8.05e-04	-9.25	0.0	-0.47	24.28	-0.06	0.0	0.04	-12.96
		-12.96	2.27e-03	0.0	0.0	55.6	-0.47	15.03	-0.06	0.0	2.27e-03	-2.11
24	127	4.92	-1.42e-03	2.55e-04	-9.25	0.0	-9.20	4.62	1.04e-03	0.0	-1.79e-03	4.24
		4.24	-1.79e-03	1.17e-05	0.0	55.6	-9.20	-4.63	1.04e-03	0.0	-1.42e-03	4.31
24	132	-1.19	0.04	-6.65e-04	-9.25	0.0	-1.26	21.23	-0.07	0.0	0.04	-10.35
		-10.35	1.98e-03	1.29e-04	0.0	55.6	-1.26	11.98	-0.07	0.0	1.98e-03	-1.19
24	135	3.46	-1.13e-03	1.15e-04	-9.25	0.0	-8.41	7.67	6.75e-03	0.0	-4.50e-03	1.63
		1.63	-4.50e-03	-1.17e-04	0.0	55.6	-8.41	-1.58	6.75e-03	0.0	-1.13e-03	3.40
24	141	0.85	0.03	-2.93e-04	-9.25	0.0	-18.64	15.96	-0.04	0.0	0.03	-5.25
		-5.25	2.71e-03	2.52e-04	0.0	55.6	-18.64	6.70	-0.04	0.0	2.71e-03	0.85
24	142	1.36	9.24e-03	-2.57e-04	-9.25	0.0	8.96	12.95	-0.02	0.0	9.24e-03	-3.46
		-3.46	-1.86e-03	-2.40e-04	0.0	55.6	8.96	3.70	-0.02	0.0	-1.86e-03	1.36
24	156	-2.51	0.04	-8.71e-04	-9.25	0.0	0.08	25.50	-0.07	0.0	0.04	-14.03
		-14.03	2.51e-03	0.0	0.0	55.6	0.08	16.25	-0.07	0.0	2.51e-03	-2.51
24	159	5.69	-1.66e-03	3.21e-04	-9.25	0.0	-9.76	3.40	5.10e-03	0.0	-4.24e-03	5.31
		4.71	-4.24e-03	1.27e-05	0.0	55.6	-9.76	-5.85	5.10e-03	0.0	-1.66e-03	4.71
24	164	-1.48	0.04	-7.14e-04	-9.25	0.0	-0.83	22.08	-0.08	0.0	0.04	-11.09
		-11.09	2.18e-03	1.45e-04	0.0	55.6	-0.83	12.82	-0.08	0.0	2.18e-03	-1.48
24	167	3.84	-1.33e-03	1.63e-04	-9.25	0.0	-8.84	6.83	0.01	0.0	-7.30e-03	2.38
		2.38	-7.30e-03	-1.33e-04	0.0	55.6	-8.84	-2.42	0.01	0.0	-1.33e-03	3.84
24	181	1.07	2.91e-03	4.77e-05	-9.25	0.0	-18.92	14.57	-5.48e-03	0.0	2.91e-03	-4.18
		-4.18	2.22e-03	2.75e-04	0.0	55.6	-18.92	5.32	-5.48e-03	0.0	2.22e-03	1.07
24	182	1.14	0.03	-5.98e-04	-9.25	0.0	9.25	14.33	-0.06	0.0	0.03	-4.53
		-4.53	-1.37e-03	-2.63e-04	0.0	55.6	9.25	5.08	-0.06	0.0	-1.37e-03	1.14
24	188	-2.44	0.04	-8.60e-04	-9.25	0.0	0.11	25.27	-0.07	0.0	0.04	-13.83
		-13.83	2.49e-03	-2.49e-06	0.0	55.6	0.11	16.02	-0.07	0.0	2.49e-03	-2.44
24	191	5.54	-1.64e-03	3.10e-04	-9.25	0.0	-9.78	3.64	4.15e-03	0.0	-3.70e-03	5.11
		4.65	-3.70e-03	1.44e-05	0.0	55.6	-9.78	-5.62	4.15e-03	0.0	-1.64e-03	4.65
24	196	-1.39	0.04	-6.99e-04	-9.25	0.0	-1.01	21.84	-0.07	0.0	0.04	-10.87
		-10.87	2.20e-03	1.48e-04	0.0	55.6	-1.01	12.59	-0.07	0.0	2.20e-03	-1.39
24	199	3.72	-1.35e-03	1.48e-04	-9.25	0.0	-8.66	7.07	0.01	0.0	-6.69e-03	2.15
		2.15	-6.69e-03	-1.37e-04	0.0	55.6	-8.66	-2.19	0.01	0.0	-1.35e-03	3.72
24	213	1.08	2.61e-03	9.87e-05	-9.25	0.0	-21.78	14.53	-1.00e-03	0.0	2.61e-03	-4.06
		-4.06	3.65e-04	3.31e-04	0.0	55.6	-21.78	5.28	-1.00e-03	0.0	3.65e-04	1.08
24	214	1.12	0.04	-6.49e-04	-9.25	0.0	12.11	14.38	-0.06	0.0	0.04	-4.66
		-4.66	-1.76e-03	-3.20e-04	0.0	55.6	12.11	5.12	-0.06	0.0	-1.76e-03	1.12
24	220	-3.01	0.04	-9.54e-04	-9.25	0.0	1.00	27.01	-0.07	0.0	0.04	-15.35
		-15.35	2.84e-03	-5.53e-06	0.0	55.6	1.00	17.75	-0.07	0.0	2.84e-03	-3.01
24	223	6.76	-1.99e-03	4.04e-04	-9.25	0.0	-10.67	1.90	0.01	0.0	-7.25e-03	6.63
		5.22	-7.25e-03	1.75e-05	0.0	55.6	-10.67	-7.35	0.01	0.0	-1.99e-03	5.22
24	228	-1.77	0.05	-7.63e-04	-9.25	0.0	-0.45	23.00	-0.08	0.0	0.05	-11.88

		-11.88	2.53e-03	1.76e-04	0.0	55.6	-0.45	13.75	-0.08	0.0	2.53e-03	-1.77
24	231	4.27	-1.68e-03	2.13e-04	-9.25	0.0	-9.22	5.90	0.02	0.0	-0.01	3.16
		3.16	-0.01	-1.64e-04	0.0	55.6	-9.22	-3.35	0.02	0.0	-1.68e-03	3.97
25	4	-7.94	0.03	-3.54e-04	-17.44	0.0	-8.39	14.42	7.53e-03	-0.01	0.02	-11.49
		-11.49	0.02	7.75e-06	0.0	59.6	-8.39	-3.02	7.53e-03	-0.01	0.03	-8.10
25	19	-4.11	0.02	-1.88e-04	-4.63	0.0	-2.70	5.08	6.47e-03	-0.01	0.01	-5.76
		-5.76	0.01	3.73e-06	0.0	59.6	-2.70	0.45	6.47e-03	-0.01	0.02	-4.11
25	28	-6.51	0.02	-2.76e-04	-17.44	0.0	-10.21	13.18	6.66e-03	4.28e-03	0.02	-9.48
		-9.48	0.02	6.23e-06	0.0	59.6	-10.21	-4.26	6.66e-03	4.28e-03	0.02	-6.82
25	45	-1.82	8.13e-03	-5.77e-05	-4.63	0.0	-5.73	3.03	5.03e-03	0.01	7.13e-03	-2.41
		-2.41	7.13e-03	1.19e-06	0.0	59.6	-5.73	-1.61	5.03e-03	0.01	8.13e-03	-1.99
25	68	-5.61	0.02	-2.48e-04	-12.00	0.0	-6.03	9.95	5.92e-03	-8.02e-03	0.02	-8.07
		-8.07	0.02	5.47e-06	0.0	59.6	-6.03	-2.04	5.92e-03	-8.02e-03	0.02	-5.71
25	72	-3.93	0.02	-1.74e-04	-5.09	0.0	-3.36	5.11	6.47e-03	-8.91e-03	0.01	-5.46
		-5.46	0.01	3.64e-06	0.0	59.6	-3.36	0.01	6.47e-03	-8.91e-03	0.02	-3.93
25	80	-4.66	0.02	-1.96e-04	-12.00	0.0	-7.25	9.13	5.34e-03	2.52e-03	0.01	-6.73
		-6.73	0.01	4.46e-06	0.0	59.6	-7.25	-2.87	5.34e-03	2.52e-03	0.02	-4.86
25	85	-2.41	0.01	-8.71e-05	-5.09	0.0	-5.39	3.74	5.51e-03	8.65e-03	8.14e-03	-3.22
		-3.22	8.14e-03	1.94e-06	0.0	59.6	-5.39	-1.36	5.51e-03	8.65e-03	0.01	-2.51
25	98	-4.43	0.02	-1.89e-04	-9.93	0.0	-5.74	7.91	6.18e-03	-3.95e-03	0.01	-6.30
		-6.30	0.01	4.39e-06	0.0	59.6	-5.74	-2.02	6.18e-03	-3.95e-03	0.02	-4.55
25	102	-3.35	0.01	-1.39e-04	-5.09	0.0	-4.11	4.56	6.54e-03	-4.27e-03	9.78e-03	-4.56
		-4.56	9.78e-03	3.22e-06	0.0	59.6	-4.11	-0.54	6.54e-03	-4.27e-03	0.01	-3.37
25	103	-4.41	0.02	-1.90e-04	-9.24	0.0	-5.35	7.55	6.22e-03	-4.99e-03	0.01	-6.25
		-6.25	0.01	4.31e-06	0.0	59.6	-5.35	-1.69	6.22e-03	-4.99e-03	0.02	-4.50
25	104	-3.04	0.01	-1.22e-04	-5.09	0.0	-4.51	4.28	6.35e-03	-7.57e-04	9.10e-03	-4.12
		-4.12	9.10e-03	2.88e-06	0.0	59.6	-4.51	-0.81	6.35e-03	-7.57e-04	0.01	-3.08
25	105	-4.09	0.02	-1.72e-04	-9.24	0.0	-5.75	7.27	6.03e-03	-1.48e-03	0.01	-5.80
		-5.80	0.01	3.97e-06	0.0	59.6	-5.75	-1.96	6.03e-03	-1.48e-03	0.02	-4.22
25	106	-3.20	0.01	-1.30e-04	-5.09	0.0	-4.29	4.42	6.56e-03	-3.11e-03	9.34e-03	-4.34
		-4.34	9.34e-03	3.12e-06	0.0	59.6	-4.29	-0.68	6.56e-03	-3.11e-03	0.01	-3.22
25	107	-4.25	0.02	-1.81e-04	-9.24	0.0	-5.53	7.41	6.24e-03	-3.83e-03	0.01	-6.02
		-6.02	0.01	4.21e-06	0.0	59.6	-5.53	-1.83	6.24e-03	-3.83e-03	0.02	-4.36
25	108	-9.76	0.05	-4.96e-04	-9.24	0.0	-13.27	3.95	9.52e-03	-0.03	0.05	-13.80
		-13.80	0.05	1.93e-04	0.0	59.6	-13.27	-5.28	9.52e-03	-0.03	0.05	-9.76
25	109	-5.09	0.04	-2.49e-04	-9.24	0.0	-17.83	0.19	0.02	-0.03	0.03	-7.05
		-7.05	0.03	2.34e-04	0.0	59.6	-17.83	-9.05	0.02	-0.03	0.04	-5.16
25	110	-3.40	-9.71e-03	-1.13e-04	-9.24	0.0	6.76	14.63	-5.28e-03	0.02	-9.89e-03	-4.99
		-4.99	-9.89e-03	-2.26e-04	0.0	59.6	6.76	5.39	-5.28e-03	0.02	-9.71e-03	-3.56
25	115	1.27	-0.02	1.05e-04	-9.24	0.0	2.56	11.07	3.79e-03	0.03	-0.02	0.85
		0.26	-0.02	-2.26e-04	0.0	59.6	2.56	1.84	3.79e-03	0.03	-0.02	0.26
25	127	6.56	-8.45e-03	2.88e-04	-9.24	0.0	-10.13	2.73	0.02	0.02	-0.02	6.54
		4.24	-0.02	9.53e-06	0.0	59.6	-10.13	-6.51	0.02	0.02	-8.45e-03	4.24
25	130	-11.30	0.03	-6.53e-04	-9.24	0.0	5.06	15.34	-0.01	-8.55e-03	0.03	-18.59
		-18.59	0.02	-1.31e-04	0.0	59.6	5.06	6.10	-0.01	-8.55e-03	0.02	-11.30
25	140	-10.43	0.06	-5.35e-04	-9.24	0.0	-14.25	3.52	9.90e-03	-0.04	0.05	-14.77
		-14.77	0.05	2.17e-04	0.0	59.6	-14.25	-5.72	9.90e-03	-0.04	0.06	-10.43
25	141	-5.19	0.05	-2.57e-04	-9.24	0.0	-19.39	-0.73	0.02	-0.03	0.04	-7.18
		-7.18	0.04	2.64e-04	0.0	59.6	-19.39	-9.97	0.02	-0.03	0.05	-5.25
25	142	-3.30	-0.01	-1.04e-04	-9.24	0.0	8.32	15.55	-6.69e-03	0.02	-0.01	-4.87
		-4.87	-0.01	-2.55e-04	0.0	59.6	8.32	6.31	-6.69e-03	0.02	-0.01	-3.46
25	147	2.02	-0.02	1.41e-04	-9.24	0.0	3.59	11.54	3.50e-03	0.03	-0.03	1.70
		0.83	-0.03	-2.55e-04	0.0	59.6	3.59	2.31	3.50e-03	0.03	-0.02	0.83
25	161	8.12	6.46e-03	3.50e-04	-9.24	0.0	-17.48	-1.53	0.03	1.45e-03	-6.12e-03	8.12
		3.46	-6.12e-03	1.57e-04	0.0	59.6	-17.48	-10.77	0.03	1.45e-03	6.46e-03	3.46
25	162	-12.18	0.03	-7.12e-04	-9.24	0.0	6.42	16.35	-0.01	-9.12e-03	0.03	-20.16
		-20.16	0.03	-1.49e-04	0.0	59.6	6.42	7.11	-0.01	-9.12e-03	0.03	-12.18
25	172	-10.16	0.06	-5.26e-04	-9.24	0.0	-14.24	3.53	9.42e-03	-0.04	0.05	-14.42
		-14.42	0.05	2.18e-04	0.0	59.6	-14.24	-5.70	9.42e-03	-0.04	0.06	-10.16
25	179	1.68	-0.02	1.30e-04	-9.24	0.0	3.64	11.57	3.88e-03	0.03	-0.03	1.32
		0.56	-0.03	-2.58e-04	0.0	59.6	3.64	2.33	3.88e-03	0.03	-0.02	0.56
25	181	2.47	0.04	1.81e-04	-9.24	0.0	-19.72	-1.10	0.02	-0.03	0.03	2.47
		-4.18	0.03	2.90e-04	0.0	59.6	-19.72	-10.34	0.02	-0.03	0.04	-4.18
25	182	-4.53	-2.39e-03	-5.43e-04	-9.24	0.0	8.65	15.92	-0.01	0.02	-2.39e-03	-14.51
		-14.51	-5.06e-03	-2.82e-04	0.0	59.6	8.65	6.68	-0.01	0.02	-5.06e-03	-4.53
25	193	7.91	6.95e-03	3.45e-04	-9.24	0.0	-17.61	-1.57	0.03	1.19e-03	-5.57e-03	7.91
		3.43	-5.57e-03	1.63e-04	0.0	59.6	-17.61	-10.80	0.03	1.19e-03	6.95e-03	3.43
25	194	-12.14	0.03	-7.07e-04	-9.24	0.0	6.54	16.39	-0.01	-8.86e-03	0.03	-19.96
		-19.96	0.03	-1.54e-04	0.0	59.6	6.54	7.15	-0.01	-8.86e-03	0.03	-12.14
25	204	-11.02	0.06	-5.80e-04	-9.24	0.0	-15.76	2.86	9.85e-03	-0.04	0.06	-15.69
		-15.69	0.06	2.56e-04	0.0	59.6	-15.76	-6.38	9.85e-03	-0.04	0.06	-11.02
25	211	2.63	-0.03	1.78e-04	-9.24	0.0	5.28	12.32	3.53e-03	0.04	-0.03	2.39
		1.26	-0.03	-3.05e-04	0.0	59.6	5.28	3.08	3.53e-03	0.04	-0.03	1.26
25	213	3.89	0.04	2.46e-04	-9.24	0.0	-22.58	-2.78	0.03	-0.03	0.03	3.89
		-4.06	0.03	3.50e-04	0.0	59.6	-22.58	-12.01	0.03	-0.03	0.04	-4.06

25	214	-4.66	-5.57e-03	-6.08e-04	-9.24	0.0	11.52	17.60	-0.01	0.02	-5.57e-03	-15.94
		-15.94	-9.65e-03	-3.42e-04	0.0	59.6	11.52	8.36	-0.01	0.02	-9.65e-03	-4.66
25	225	10.22	5.78e-03	4.35e-04	-9.24	0.0	-19.85	-3.18	0.03	1.77e-03	-8.14e-03	10.22
		4.72	-8.14e-03	1.95e-04	0.0	59.6	-19.85	-12.41	0.03	1.77e-03	5.78e-03	4.72
25	226	-13.44	0.03	-7.96e-04	-9.24	0.0	8.79	17.99	-0.02	-9.43e-03	0.03	-22.27
		-22.27	0.03	-1.87e-04	0.0	59.6	8.79	8.76	-0.02	-9.43e-03	0.03	-13.44
26	4	-8.97	0.02	-1.62e-04	-17.44	0.0	-5.56	5.27	0.04	-8.27e-03	-2.56e-03	-9.44
		-11.49	-2.56e-03	4.66e-06	0.0	59.6	-5.56	-12.16	0.04	-8.27e-03	0.02	-11.49
26	18	-8.61	0.02	-1.57e-04	-14.33	0.0	-4.55	3.82	0.04	-0.01	-3.40e-03	-8.91
		-10.90	-3.40e-03	4.07e-06	0.0	59.6	-4.55	-10.51	0.04	-0.01	0.02	-10.90
26	19	-4.63	0.01	-8.75e-05	-4.63	0.0	-1.73	0.44	0.02	-0.01	-2.80e-03	-4.64
		-5.76	-2.80e-03	1.75e-06	0.0	59.6	-1.73	-4.20	0.02	-0.01	0.01	-5.76
26	28	-7.25	0.02	-1.25e-04	-17.44	0.0	-6.87	6.00	0.03	9.23e-03	1.73e-03	-7.86
		-9.48	1.73e-03	4.26e-06	0.0	59.6	-6.87	-11.44	0.03	9.23e-03	0.02	-9.48
26	45	-1.84	8.08e-03	-2.58e-05	-4.63	0.0	-3.90	1.65	9.86e-03	0.02	4.35e-03	-2.01
		-2.41	4.35e-03	1.09e-06	0.0	59.6	-3.90	-2.99	9.86e-03	0.02	8.08e-03	-2.41
26	68	-6.31	0.02	-1.14e-04	-12.00	0.0	-3.99	3.57	0.03	-5.65e-03	-1.73e-03	-6.62
		-8.07	-1.73e-03	3.29e-06	0.0	59.6	-3.99	-8.43	0.03	-5.65e-03	0.02	-8.07
26	72	-4.38	0.01	-8.07e-05	-5.09	0.0	-2.17	0.80	0.02	-7.67e-03	-2.00e-03	-4.41
		-5.46	-2.00e-03	1.87e-06	0.0	59.6	-2.17	-4.30	0.02	-7.67e-03	0.01	-5.46
26	75	-6.07	0.01	-1.11e-04	-9.93	0.0	-3.32	2.60	0.03	-8.08e-03	-2.29e-03	-6.27
		-7.68	-2.29e-03	2.90e-06	0.0	59.6	-3.32	-7.32	0.03	-8.08e-03	0.01	-7.68
26	80	-5.17	0.01	-8.88e-05	-12.00	0.0	-4.86	4.05	0.02	6.02e-03	1.13e-03	-5.57
		-6.73	1.13e-03	3.02e-06	0.0	59.6	-4.86	-7.94	0.02	6.02e-03	0.01	-6.73
26	85	-2.51	8.75e-03	-3.95e-05	-5.09	0.0	-3.63	1.60	0.01	0.01	2.77e-03	-2.66
		-3.22	2.77e-03	1.44e-06	0.0	59.6	-3.63	-3.49	0.01	0.01	8.75e-03	-3.22
26	98	-4.89	0.01	-8.64e-05	-9.93	0.0	-3.78	3.08	0.02	-1.55e-03	-5.80e-04	-5.18
		-6.30	-5.80e-04	2.79e-06	0.0	59.6	-3.78	-6.85	0.02	-1.55e-03	0.01	-6.30
26	102	-3.64	9.66e-03	-6.42e-05	-5.09	0.0	-2.67	1.12	0.02	-2.52e-03	-6.56e-04	-3.71
		-4.56	-6.56e-04	1.90e-06	0.0	59.6	-2.67	-3.98	0.02	-2.52e-03	9.66e-03	-4.56
26	103	-4.88	0.01	-8.68e-05	-9.24	0.0	-3.52	2.73	0.02	-2.79e-03	-8.77e-04	-5.12
		-6.25	-8.77e-04	2.65e-06	0.0	59.6	-3.52	-6.51	0.02	-2.79e-03	0.01	-6.25
26	104	-3.26	9.18e-03	-5.60e-05	-5.09	0.0	-2.96	1.28	0.02	1.37e-03	2.97e-04	-3.36
		-4.12	2.97e-04	1.82e-06	0.0	59.6	-2.96	-3.81	0.02	1.37e-03	9.18e-03	-4.12
26	105	-4.50	0.01	-7.85e-05	-9.24	0.0	-3.81	2.89	0.02	1.09e-03	7.63e-05	-4.77
		-5.80	7.63e-05	2.57e-06	0.0	59.6	-3.81	-6.35	0.02	1.09e-03	0.01	-5.80
26	106	-3.45	9.28e-03	-6.01e-05	-5.09	0.0	-2.80	1.20	0.02	-1.23e-03	-3.22e-04	-3.54
		-4.34	-3.22e-04	1.91e-06	0.0	59.6	-2.80	-3.90	0.02	-1.23e-03	9.28e-03	-4.34
26	107	-4.69	0.01	-8.26e-05	-9.24	0.0	-3.64	2.81	0.02	-1.51e-03	-5.43e-04	-4.94
		-6.02	-5.43e-04	2.66e-06	0.0	59.6	-3.64	-6.43	0.02	-1.51e-03	0.01	-6.02
26	112	-10.14	0.04	-1.97e-04	-9.24	0.0	-7.12	-0.26	0.12	-0.03	-0.03	-10.14
		-12.89	-0.03	2.28e-04	0.0	59.6	-7.12	-9.50	0.12	-0.03	0.04	-12.89
26	116	-3.62	9.14e-04	-5.02e-05	-9.24	0.0	-6.90	-0.53	0.10	-0.02	-0.03	-3.86
		-4.96	-0.03	2.03e-04	0.0	59.6	-6.90	-9.76	0.10	-0.02	9.14e-04	-4.96
26	117	2.13	-0.01	4.75e-05	-9.24	0.0	-9.16	2.67	0.07	-0.02	-0.02	0.98
		0.98	-0.02	2.43e-04	0.0	59.6	-9.16	-6.56	0.07	-0.02	-0.01	1.79
26	118	-10.87	0.04	-2.13e-04	-9.24	0.0	1.88	2.94	-0.03	0.01	0.02	-10.87
		-13.83	0.02	-2.37e-04	0.0	59.6	1.88	-6.29	-0.03	0.01	0.04	-13.83
26	129	6.56	2.45e-03	1.05e-04	-9.24	0.0	-8.73	7.62	-8.84e-03	5.90e-03	2.45e-03	4.18
		4.18	-0.01	1.35e-04	0.0	59.6	-8.73	-1.62	-8.84e-03	5.90e-03	-0.01	6.55
26	130	-14.07	0.04	-2.70e-04	-9.24	0.0	1.45	-2.00	0.05	-8.92e-03	-3.54e-03	-14.07
		-18.59	-3.54e-03	-1.29e-04	0.0	59.6	1.45	-11.24	0.05	-8.92e-03	0.04	-18.59
26	144	-10.78	0.05	-2.12e-04	-9.24	0.0	-7.56	-0.64	0.13	-0.03	-0.03	-10.78
		-13.75	-0.03	2.57e-04	0.0	59.6	-7.56	-9.88	0.13	-0.03	0.05	-13.75
26	148	-3.49	-4.37e-04	-4.60e-05	-9.24	0.0	-7.33	-0.93	0.11	-0.03	-0.04	-3.73
		-4.84	-0.04	2.30e-04	0.0	59.6	-7.33	-10.16	0.11	-0.03	-4.37e-04	-4.84
26	149	3.02	-0.01	6.39e-05	-9.24	0.0	-9.88	2.67	0.08	-0.02	-0.03	1.72
		1.72	-0.03	2.74e-04	0.0	59.6	-9.88	-6.56	0.08	-0.02	-0.01	2.75
26	150	-11.60	0.04	-2.29e-04	-9.24	0.0	2.59	2.94	-0.04	0.01	0.03	-11.60
		-14.79	0.03	-2.69e-04	0.0	59.6	2.59	-6.29	-0.04	0.01	0.04	-14.79
26	161	8.12	2.79e-03	1.28e-04	-9.24	0.0	-9.38	8.22	-0.01	6.83e-03	2.79e-03	5.32
		5.32	-0.02	1.52e-04	0.0	59.6	-9.38	-1.01	-0.01	6.83e-03	-0.02	8.12
26	162	-15.21	0.04	-2.93e-04	-9.24	0.0	2.10	-2.61	0.05	-9.85e-03	-3.88e-03	-15.21
		-20.16	-3.88e-03	-1.47e-04	0.0	59.6	2.10	-11.84	0.05	-9.85e-03	0.04	-20.16
26	176	-10.53	0.05	-2.07e-04	-9.24	0.0	-7.55	-0.44	0.13	-0.03	-0.03	-10.53
		-13.37	-0.03	2.60e-04	0.0	59.6	-7.55	-9.67	0.13	-0.03	0.05	-13.37
26	180	-3.61	-3.62e-04	-4.64e-05	-9.24	0.0	-7.43	-0.70	0.12	-0.02	-0.04	-3.82
		-5.04	-0.04	2.39e-04	0.0	59.6	-7.43	-9.94	0.12	-0.02	-3.62e-04	-5.04
26	181	2.78	-0.01	6.26e-05	-9.24	0.0	-9.98	2.85	0.08	-0.02	-0.03	1.57
		1.57	-0.03	2.85e-04	0.0	59.6	-9.98	-6.39	0.08	-0.02	-0.01	2.47
26	182	-11.46	0.04	-2.28e-04	-9.24	0.0	2.69	2.77	-0.04	0.01	0.03	-11.46
		-14.51	0.03	-2.80e-04	0.0	59.6	2.69	-6.47	-0.04	0.01	0.04	-14.51
26	193	7.91	2.44e-03	1.26e-04	-9.24	0.0	-9.41	8.21	-0.01	6.80e-03	2.44e-03	5.20
		5.20	-0.02	1.58e-04	0.0	59.6	-9.41	-1.03	-0.01	6.80e-03	-0.02	7.91
26	194	-15.09	0.04	-2.92e-04	-9.24	0.0	2.13	-2.59	0.05	-9.82e-03	-3.52e-03	-15.09

		-19.96	-3.52e-03	-1.52e-04	0.0	59.6	2.13	-11.83	0.05	-9.82e-03	0.04	-19.96
26	208	-11.37	0.05	-2.27e-04	-9.24	0.0	-8.24	-0.89	0.15	-0.03	-0.04	-11.37
		-14.43	-0.04	3.07e-04	0.0	59.6	-8.24	-10.12	0.15	-0.03	0.05	-14.43
26	212	-3.39	-3.04e-03	-3.84e-05	-9.24	0.0	-8.23	-1.23	0.14	-0.03	-0.04	-3.59
		-4.86	-0.04	2.89e-04	0.0	59.6	-8.23	-10.46	0.14	-0.03	-3.04e-03	-4.86
26	213	4.11	-0.02	8.88e-05	-9.24	0.0	-11.23	2.90	0.10	-0.02	-0.03	2.70
		2.70	-0.03	3.45e-04	0.0	59.6	-11.23	-6.33	0.10	-0.02	-0.02	3.89
26	214	-12.59	0.04	-2.54e-04	-9.24	0.0	3.94	2.71	-0.06	0.02	0.03	-12.59
		-15.94	0.03	-3.40e-04	0.0	59.6	3.94	-6.52	-0.06	0.02	0.04	-15.94
26	225	10.22	2.63e-03	1.62e-04	-9.24	0.0	-10.46	9.11	-0.01	8.07e-03	2.63e-03	6.90
		6.90	-0.02	1.90e-04	0.0	59.6	-10.46	-0.13	-0.01	8.07e-03	-0.02	10.22
26	226	-16.78	0.04	-3.27e-04	-9.24	0.0	3.18	-3.49	0.06	-0.01	-3.72e-03	-16.78
		-22.27	-3.72e-03	-1.85e-04	0.0	59.6	3.18	-12.73	0.06	-0.01	0.04	-22.27
27	4	-6.77	5.34e-03	-8.84e-05	-17.44	0.0	-2.66	4.92	-0.02	-6.11e-03	5.34e-03	-7.18
		-9.44	-2.90e-03	4.88e-06	0.0	59.6	-2.66	-12.51	-0.02	-6.11e-03	-2.90e-03	-9.44
27	18	-6.46	5.04e-03	-8.62e-05	-14.33	0.0	-1.96	3.48	-0.02	-9.55e-03	5.04e-03	-6.71
		-8.91	-3.94e-03	4.30e-06	0.0	59.6	-1.96	-10.85	-0.02	-9.55e-03	-3.94e-03	-8.91
27	19	-3.41	2.75e-03	-4.85e-05	-4.63	0.0	-0.47	0.26	-0.01	-9.20e-03	2.75e-03	-3.41
		-4.64	-3.33e-03	1.87e-06	0.0	59.6	-0.47	-4.38	-0.01	-9.20e-03	-3.33e-03	-4.64
27	44	-4.44	4.96e-03	-5.18e-05	-14.33	0.0	-4.10	4.92	2.91e-03	0.02	4.96e-03	-4.94
		-6.28	4.77e-03	3.50e-06	0.0	59.6	-4.10	-9.41	2.91e-03	0.02	4.77e-03	-6.28
27	45	-1.46	5.38e-03	-1.42e-05	-4.63	0.0	-2.61	1.70	8.00e-03	0.02	2.67e-03	-1.64
		-2.01	2.67e-03	1.07e-06	0.0	59.6	-2.61	-2.94	8.00e-03	0.02	5.38e-03	-2.01
27	68	-4.76	3.81e-03	-6.20e-05	-12.00	0.0	-1.92	3.33	-0.01	-4.12e-03	3.81e-03	-5.04
		-6.62	-1.95e-03	3.44e-06	0.0	59.6	-1.92	-8.66	-0.01	-4.12e-03	-1.95e-03	-6.62
27	72	-3.25	2.69e-03	-4.46e-05	-5.09	0.0	-0.84	0.65	-9.95e-03	-6.29e-03	2.69e-03	-3.28
		-4.41	-2.35e-03	1.98e-06	0.0	59.6	-0.84	-4.45	-9.95e-03	-6.29e-03	-2.35e-03	-4.41
27	75	-4.56	3.61e-03	-6.06e-05	-9.93	0.0	-1.45	2.37	-0.01	-6.42e-03	3.61e-03	-4.72
		-6.27	-2.65e-03	3.05e-06	0.0	59.6	-1.45	-7.56	-0.01	-6.42e-03	-2.65e-03	-6.27
27	85	-1.95	3.45e-03	-2.14e-05	-5.09	0.0	-2.27	1.61	3.58e-03	0.01	2.64e-03	-2.10
		-2.66	2.64e-03	1.45e-06	0.0	59.6	-2.27	-3.49	3.58e-03	0.01	3.45e-03	-2.66
27	88	-3.21	3.56e-03	-3.75e-05	-9.93	0.0	-2.88	3.33	1.46e-03	0.01	3.56e-03	-3.54
		-4.52	3.16e-03	2.52e-06	0.0	59.6	-2.88	-6.60	1.46e-03	0.01	3.16e-03	-4.52
27	98	-3.71	3.14e-03	-4.71e-05	-9.93	0.0	-1.97	2.93	-6.58e-03	-5.41e-04	3.14e-03	-3.96
		-5.18	-5.98e-04	2.89e-06	0.0	59.6	-1.97	-7.00	-6.58e-03	-5.41e-04	-5.98e-04	-5.18
27	102	-2.74	2.44e-03	-3.53e-05	-5.09	0.0	-1.33	1.03	-5.82e-03	-1.61e-03	2.44e-03	-2.81
		-3.71	-7.42e-04	1.98e-06	0.0	59.6	-1.33	-4.06	-5.82e-03	-1.61e-03	-7.42e-04	-3.71
27	103	-3.69	3.09e-03	-4.74e-05	-9.24	0.0	-1.78	2.58	-7.35e-03	-1.70e-03	3.09e-03	-3.90
		-5.12	-9.64e-04	2.76e-06	0.0	59.6	-1.78	-6.66	-7.35e-03	-1.70e-03	-9.64e-04	-5.12
27	104	-2.48	2.43e-03	-3.06e-05	-5.09	0.0	-1.61	1.22	-3.12e-03	1.87e-03	2.43e-03	-2.57
		-3.36	4.19e-04	1.87e-06	0.0	59.6	-1.61	-3.87	-3.12e-03	1.87e-03	4.19e-04	-3.36
27	105	-3.42	3.08e-03	-4.28e-05	-9.24	0.0	-2.06	2.77	-4.65e-03	1.79e-03	3.08e-03	-3.66
		-4.77	1.97e-04	2.66e-06	0.0	59.6	-2.06	-6.47	-4.65e-03	1.79e-03	1.97e-04	-4.77
27	106	-2.62	2.38e-03	-3.29e-05	-5.09	0.0	-1.45	1.13	-4.79e-03	-4.42e-04	2.38e-03	-2.69
		-3.54	-3.39e-04	1.98e-06	0.0	59.6	-1.45	-3.97	-4.79e-03	-4.42e-04	-3.39e-04	-3.54
27	107	-3.55	3.03e-03	-4.51e-05	-9.24	0.0	-1.90	2.67	-6.32e-03	-5.27e-04	3.03e-03	-3.78
		-4.94	-5.61e-04	2.76e-06	0.0	59.6	-1.90	-6.56	-6.32e-03	-5.27e-04	-5.61e-04	-4.94
27	117	1.24	-0.02	1.42e-05	-9.24	0.0	-4.22	6.40	0.02	-0.01	-0.04	-0.08
		-0.08	-0.04	2.46e-04	0.0	59.6	-4.22	-2.84	0.02	-0.01	-0.02	0.98
27	118	-7.48	0.05	-1.04e-04	-9.24	0.0	0.42	-1.06	-0.04	0.01	0.05	-7.48
		-10.87	0.02	-2.40e-04	0.0	59.6	0.42	-10.29	-0.04	0.01	0.02	-10.87
27	121	0.70	-0.02	-1.09e-05	-9.24	0.0	-4.05	6.01	0.03	-0.01	-0.04	-0.46
		-0.46	-0.04	2.06e-04	0.0	59.6	-4.05	-3.23	0.03	-0.01	-0.02	0.37
27	122	-7.11	0.05	-9.86e-05	-9.24	0.0	0.25	-0.66	-0.04	0.01	0.05	-7.11
		-10.25	0.02	-2.00e-04	0.0	59.6	0.25	-9.90	-0.04	0.01	0.02	-10.25
27	129	4.20	3.20e-03	4.42e-05	-9.24	0.0	-4.18	8.45	0.02	6.95e-03	-0.02	1.90
		1.90	-0.02	1.36e-04	0.0	59.6	-4.18	-0.79	0.02	6.95e-03	3.20e-03	4.18
27	130	-9.46	0.03	-1.34e-04	-9.24	0.0	0.38	-3.10	-0.03	-8.00e-03	0.03	-9.46
		-14.07	-4.32e-03	-1.31e-04	0.0	59.6	0.38	-12.34	-0.03	-8.00e-03	-4.32e-03	-14.07
27	149	1.90	-0.03	2.17e-05	-9.24	0.0	-4.52	6.86	0.03	-0.01	-0.05	0.38
		0.38	-0.05	2.78e-04	0.0	59.6	-4.52	-2.37	0.03	-0.01	-0.03	1.72
27	150	-7.94	0.06	-1.12e-04	-9.24	0.0	0.72	-1.52	-0.04	0.01	0.06	-7.94
		-11.60	0.03	-2.72e-04	0.0	59.6	0.72	-10.76	-0.04	0.01	0.03	-11.60
27	153	1.28	-0.03	1.52e-05	-9.24	0.0	-4.32	6.42	0.03	-0.02	-0.05	-0.05
		-0.05	-0.05	2.32e-04	0.0	59.6	-4.32	-2.82	0.03	-0.02	-0.03	1.03
27	154	-7.52	0.06	-1.05e-04	-9.24	0.0	0.52	-1.08	-0.04	0.01	0.06	-7.52
		-10.91	0.03	-2.27e-04	0.0	59.6	0.52	-10.31	-0.04	0.01	0.03	-10.91
27	161	5.32	3.63e-03	5.54e-05	-9.24	0.0	-4.47	9.17	0.02	7.91e-03	-0.03	2.61
		2.61	-0.03	1.54e-04	0.0	59.6	-4.47	-0.07	0.02	7.91e-03	3.63e-03	5.32
27	162	-10.17	0.03	-1.46e-04	-9.24	0.0	0.67	-3.83	-0.03	-8.97e-03	0.03	-10.17
		-15.21	-4.76e-03	-1.48e-04	0.0	59.6	0.67	-13.06	-0.03	-8.97e-03	-4.76e-03	-15.21
27	181	1.77	-0.03	2.06e-05	-9.24	0.0	-4.54	6.77	0.03	-0.01	-0.05	0.29
		0.29	-0.05	2.89e-04	0.0	59.6	-4.54	-2.47	0.03	-0.01	-0.03	1.57
27	182	-7.86	0.06	-1.11e-04	-9.24	0.0	0.74	-1.42	-0.04	0.01	0.06	-7.86
		-11.46	0.03	-2.84e-04	0.0	59.6	0.74	-10.66	-0.04	0.01	0.03	-11.46

27	185	1.13	-0.03	1.37e-05	-9.24	0.0	-4.33	6.30	0.03	-0.01	-0.05	-0.15
		-0.15	-0.05	2.42e-04	0.0	59.6	-4.33	-2.93	0.03	-0.01	-0.03	0.85
27	186	-7.41	0.06	-1.04e-04	-9.24	0.0	0.53	-0.96	-0.04	0.01	0.06	-7.41
		-10.74	0.03	-2.37e-04	0.0	59.6	0.53	-10.20	-0.04	0.01	0.03	-10.74
27	193	5.20	3.27e-03	5.43e-05	-9.24	0.0	-4.47	9.09	0.02	8.08e-03	-0.03	2.53
		2.53	-0.03	1.60e-04	0.0	59.6	-4.47	-0.15	0.02	8.08e-03	3.27e-03	5.20
27	194	-10.10	0.03	-1.44e-04	-9.24	0.0	0.67	-3.75	-0.03	-9.14e-03	0.03	-10.10
		-15.09	-4.39e-03	-1.54e-04	0.0	59.6	0.67	-12.98	-0.03	-9.14e-03	-4.39e-03	-15.09
27	213	2.81	-0.03	3.21e-05	-9.24	0.0	-5.04	7.47	0.04	-0.01	-0.06	1.00
		1.00	-0.06	3.50e-04	0.0	59.6	-5.04	-1.76	0.04	-0.01	-0.03	2.70
27	214	-8.57	0.07	-1.22e-04	-9.24	0.0	1.25	-2.13	-0.05	0.01	0.07	-8.57
		-12.59	0.03	-3.44e-04	0.0	59.6	1.25	-11.37	-0.05	0.01	0.03	-12.59
27	217	2.02	-0.03	2.40e-05	-9.24	0.0	-4.79	6.92	0.04	-0.02	-0.06	0.47
		0.47	-0.06	2.93e-04	0.0	59.6	-4.79	-2.31	0.04	-0.02	-0.03	1.85
27	218	-8.04	0.07	-1.14e-04	-9.24	0.0	1.00	-1.58	-0.05	0.01	0.07	-8.04
		-11.73	0.03	-2.88e-04	0.0	59.6	1.00	-10.81	-0.05	0.01	0.03	-11.73
27	225	6.90	3.59e-03	7.10e-05	-9.24	0.0	-4.93	10.16	0.02	9.56e-03	-0.03	3.59
		3.59	-0.03	1.92e-04	0.0	59.6	-4.93	0.93	0.02	9.56e-03	3.59e-03	6.90
27	226	-11.16	0.04	-1.61e-04	-9.24	0.0	1.13	-4.82	-0.04	-0.01	0.04	-11.16
		-16.78	-4.71e-03	-1.87e-04	0.0	59.6	1.13	-14.05	-0.04	-0.01	-4.71e-03	-16.78
28	4	-4.94	5.00e-03	-5.35e-05	-17.44	0.0	-3.15	5.99	3.03e-03	-3.26e-03	2.78e-03	-5.55
		-7.18	2.78e-03	4.16e-06	0.0	59.6	-3.15	-11.44	3.03e-03	-3.26e-03	5.00e-03	-7.18
28	19	-2.47	2.25e-03	-2.89e-05	-4.63	0.0	-0.72	0.82	3.58e-04	-6.57e-03	1.22e-03	-2.52
		-3.41	1.22e-03	1.38e-06	0.0	59.6	-0.72	-3.82	3.58e-04	-6.57e-03	2.25e-03	-3.41
28	44	-3.37	5.85e-03	-3.45e-05	-14.33	0.0	-4.42	5.63	7.46e-03	0.01	3.16e-03	-4.03
		-4.94	3.16e-03	3.22e-06	0.0	59.6	-4.42	-8.70	7.46e-03	0.01	5.85e-03	-4.94
28	45	-1.18	3.58e-03	-9.64e-06	-4.63	0.0	-2.72	1.95	5.70e-03	0.01	1.89e-03	-1.42
		-1.64	1.89e-03	1.06e-06	0.0	59.6	-2.72	-2.69	5.70e-03	0.01	3.58e-03	-1.64
28	68	-3.48	3.58e-03	-3.74e-05	-12.00	0.0	-2.27	4.09	2.19e-03	-2.15e-03	2.00e-03	-3.90
		-5.04	2.00e-03	2.93e-06	0.0	59.6	-2.27	-7.91	2.19e-03	-2.15e-03	3.58e-03	-5.04
28	72	-2.38	2.35e-03	-2.64e-05	-5.09	0.0	-1.08	1.18	8.47e-04	-4.28e-03	1.31e-03	-2.46
		-3.28	1.31e-03	1.56e-06	0.0	59.6	-1.08	-3.92	8.47e-04	-4.28e-03	2.35e-03	-3.28
28	85	-1.51	3.24e-03	-1.32e-05	-5.09	0.0	-2.42	1.93	4.41e-03	9.11e-03	1.76e-03	-1.73
		-2.10	1.76e-03	1.34e-06	0.0	59.6	-2.42	-3.16	4.41e-03	9.11e-03	3.24e-03	-2.10
28	88	-2.44	4.14e-03	-2.46e-05	-9.93	0.0	-3.12	3.85	5.14e-03	9.33e-03	2.25e-03	-2.88
		-3.54	2.25e-03	2.30e-06	0.0	59.6	-3.12	-6.08	5.14e-03	9.33e-03	4.14e-03	-3.54
28	98	-2.73	3.10e-03	-2.89e-05	-9.93	0.0	-2.25	3.52	2.32e-03	4.56e-04	1.77e-03	-3.11
		-3.96	1.77e-03	2.53e-06	0.0	59.6	-2.25	-6.40	2.32e-03	4.56e-04	3.10e-03	-3.96
28	102	-2.04	2.35e-03	-2.06e-05	-5.09	0.0	-1.54	1.48	1.50e-03	-6.42e-04	1.37e-03	-2.17
		-2.81	1.37e-03	1.67e-06	0.0	59.6	-1.54	-3.62	1.50e-03	-6.42e-04	2.35e-03	-2.81
28	104	-1.87	2.53e-03	-1.77e-05	-5.09	0.0	-1.81	1.63	2.21e-03	2.03e-03	1.46e-03	-2.02
		-2.57	1.46e-03	1.63e-06	0.0	59.6	-1.81	-3.47	2.21e-03	2.03e-03	2.53e-03	-2.57
28	105	-2.53	3.17e-03	-2.63e-05	-9.24	0.0	-2.32	3.32	2.77e-03	2.20e-03	1.79e-03	-2.89
		-3.66	1.79e-03	2.34e-06	0.0	59.6	-2.32	-5.92	2.77e-03	2.20e-03	3.17e-03	-3.66
28	106	-1.95	2.35e-03	-1.91e-05	-5.09	0.0	-1.66	1.55	1.66e-03	2.66e-04	1.39e-03	-2.10
		-2.69	1.39e-03	1.70e-06	0.0	59.6	-1.66	-3.54	1.66e-03	2.66e-04	2.35e-03	-2.69
28	107	-2.62	3.00e-03	-2.74e-05	-9.24	0.0	-2.17	3.24	2.22e-03	4.29e-04	1.72e-03	-2.96
		-3.78	1.72e-03	2.41e-06	0.0	59.6	-2.17	-5.99	2.22e-03	4.29e-04	3.00e-03	-3.78
28	121	-0.02	-3.01e-03	-1.22e-05	-9.24	0.0	-4.75	5.54	-0.07	-0.02	-3.01e-03	-1.01
		-1.01	-0.04	2.09e-04	0.0	59.6	-4.75	-3.70	-0.07	-0.02	-0.04	-0.46
28	122	-4.89	0.05	-5.55e-05	-9.24	0.0	0.41	0.95	0.07	0.02	6.45e-03	-4.92
		-7.11	6.45e-03	-2.04e-04	0.0	59.6	0.41	-8.29	0.07	0.02	0.05	-7.11
28	129	2.03	-1.09e-03	2.32e-05	-9.24	0.0	-5.18	7.17	-0.04	7.08e-03	-1.09e-03	0.38
		0.38	-0.02	1.38e-04	0.0	59.6	-5.18	-2.07	-0.04	7.08e-03	-0.02	1.90
28	130	-6.30	0.03	-7.52e-05	-9.24	0.0	0.84	-0.69	0.04	-6.22e-03	4.53e-03	-6.30
		-9.46	4.53e-03	-1.33e-04	0.0	59.6	0.84	-9.92	0.04	-6.22e-03	0.03	-9.46
28	153	0.33	-3.63e-03	-1.10e-05	-9.24	0.0	-5.08	5.82	-0.08	-0.02	-3.63e-03	-0.76
		-0.76	-0.05	2.37e-04	0.0	59.6	-5.08	-3.42	-0.08	-0.02	-0.05	-0.05
28	154	-5.15	0.06	-5.92e-05	-9.24	0.0	0.74	0.66	0.08	0.02	7.06e-03	-5.16
		-7.52	7.06e-03	-2.32e-04	0.0	59.6	0.74	-8.57	0.08	0.02	0.06	-7.52
28	161	2.69	-1.45e-03	2.94e-05	-9.24	0.0	-5.56	7.66	-0.04	7.93e-03	-1.45e-03	0.80
		0.80	-0.03	1.56e-04	0.0	59.6	-5.56	-1.57	-0.04	7.93e-03	-0.03	2.61
28	162	-6.72	0.03	-8.14e-05	-9.24	0.0	1.23	-1.18	0.05	-7.07e-03	4.89e-03	-6.72
		-10.17	4.89e-03	-1.51e-04	0.0	59.6	1.23	-10.42	0.05	-7.07e-03	0.03	-10.17
28	185	0.24	-3.73e-03	-1.12e-05	-9.24	0.0	-5.03	5.75	-0.08	-0.02	-3.73e-03	-0.82
		-0.82	-0.05	2.47e-04	0.0	59.6	-5.03	-3.49	-0.08	-0.02	-0.05	-0.15
28	186	-5.08	0.06	-5.85e-05	-9.24	0.0	0.69	0.74	0.09	0.02	7.16e-03	-5.10
		-7.41	7.16e-03	-2.42e-04	0.0	59.6	0.69	-8.50	0.09	0.02	0.06	-7.41
28	193	2.62	-1.47e-03	2.88e-05	-9.24	0.0	-5.54	7.61	-0.04	7.95e-03	-1.47e-03	0.75
		0.75	-0.03	1.62e-04	0.0	59.6	-5.54	-1.63	-0.04	7.95e-03	-0.03	2.53
28	194	-6.68	0.03	-8.08e-05	-9.24	0.0	1.20	-1.13	0.05	-7.09e-03	4.91e-03	-6.68
		-10.10	4.91e-03	-1.57e-04	0.0	59.6	1.20	-10.36	0.05	-7.09e-03	0.03	-10.10
28	217	0.78	-4.82e-03	1.21e-05	-9.24	0.0	-5.55	6.17	-0.10	-0.02	-4.82e-03	-0.45
		-0.45	-0.06	2.99e-04	0.0	59.6	-5.55	-3.06	-0.10	-0.02	-0.06	0.47
28	218	-5.47	0.07	-6.42e-05	-9.24	0.0	1.21	0.31	0.10	0.02	8.25e-03	-5.47

		-8.04	8.25e-03	-2.94e-04	0.0	59.6	1.21	-8.93	0.10	0.02	0.07	-8.04
28	225	3.62	-2.08e-03	3.81e-05	-9.24	0.0	-6.13	8.34	-0.05	9.16e-03	-2.08e-03	1.37
		1.37	-0.03	1.95e-04	0.0	59.6	-6.13	-0.90	-0.05	9.16e-03	-0.03	3.59
28	226	-7.30	0.04	-9.01e-05	-9.24	0.0	1.79	-1.86	0.06	-8.30e-03	5.51e-03	-7.30
		-11.16	5.51e-03	-1.90e-04	0.0	59.6	1.79	-11.09	0.06	-8.30e-03	0.04	-11.16
29	4	-5.52	0.02	-1.85e-05	-15.69	0.0	-6.16	8.12	0.02	-7.38e-03	4.20e-03	-6.65
		-6.65	4.20e-03	0.0	0.0	53.6	-6.16	-7.57	0.02	-7.38e-03	0.02	-6.50
29	19	-1.92	7.15e-03	-8.04e-06	-4.17	0.0	-2.34	2.03	5.48e-03	-0.01	3.08e-03	-2.19
		-2.22	3.08e-03	0.0	0.0	53.6	-2.34	-2.14	5.48e-03	-0.01	7.15e-03	-2.22
29	28	-5.87	0.02	-1.23e-05	-15.69	0.0	-6.86	8.59	0.03	4.94e-03	2.31e-03	-7.13
		-7.13	2.31e-03	-1.20e-06	0.0	53.6	-6.86	-7.10	0.03	4.94e-03	0.02	-6.73
29	45	-2.48	4.82e-03	1.23e-05	-4.17	0.0	-3.51	2.80	0.01	7.26e-03	-7.00e-05	-2.99
		-2.99	-7.00e-05	-1.19e-06	0.0	53.6	-3.51	-1.37	0.01	7.26e-03	4.82e-03	-2.60
29	68	-3.91	0.01	-1.23e-05	-10.80	0.0	-4.41	5.62	0.02	-4.88e-03	2.90e-03	-4.69
		-4.69	2.90e-03	0.0	0.0	53.6	-4.41	-5.17	0.02	-4.88e-03	0.01	-4.57
29	72	-2.16	7.11e-03	-6.15e-06	-4.58	0.0	-2.63	2.37	7.36e-03	-8.70e-03	2.46e-03	-2.49
		-2.49	2.46e-03	0.0	0.0	53.6	-2.63	-2.21	7.36e-03	-8.70e-03	7.11e-03	-2.45
29	80	-4.14	0.01	-8.22e-06	-10.80	0.0	-4.87	5.93	0.02	3.34e-03	1.64e-03	-5.01
		-5.01	1.64e-03	0.0	0.0	53.6	-4.87	-4.86	0.02	3.34e-03	0.01	-4.72
29	85	-2.53	5.55e-03	8.97e-06	-4.58	0.0	-3.41	2.89	0.01	4.99e-03	3.64e-04	-3.02
		-3.02	3.64e-04	0.0	0.0	53.6	-3.41	-1.69	0.01	4.99e-03	5.55e-03	-2.70
29	98	-3.39	9.54e-03	-7.97e-06	-8.93	0.0	-3.97	4.83	0.02	5.14e-04	1.71e-03	-4.09
		-4.09	1.71e-03	0.0	0.0	53.6	-3.97	-4.10	0.02	5.14e-04	9.54e-03	-3.90
29	102	-2.31	6.40e-03	-3.15e-06	-4.58	0.0	-2.87	2.58	9.38e-03	-1.40e-03	1.36e-03	-2.70
		-2.70	1.36e-03	0.0	0.0	53.6	-2.87	-2.00	9.38e-03	-1.40e-03	6.40e-03	-2.55
29	104	-2.39	6.09e-03	3.84e-06	-4.58	0.0	-3.03	2.69	0.01	1.34e-03	9.39e-04	-2.81
		-2.81	9.39e-04	0.0	0.0	53.6	-3.03	-1.90	0.01	1.34e-03	6.09e-03	-2.60
29	106	-2.35	6.22e-03	2.56e-06	-4.58	0.0	-2.93	2.63	9.88e-03	4.23e-04	1.08e-03	-2.76
		-2.76	1.08e-03	0.0	0.0	53.6	-2.93	-1.95	9.88e-03	4.23e-04	6.22e-03	-2.57
29	107	-3.24	9.07e-03	-7.18e-06	-8.31	0.0	-3.82	4.51	0.01	5.01e-04	1.62e-03	-3.90
		-3.90	1.62e-03	0.0	0.0	53.6	-3.82	-3.80	0.01	5.01e-04	9.07e-03	-3.71
29	109	-5.57	3.71e-03	1.10e-05	-8.31	0.0	-15.06	4.24	0.02	-0.02	-1.16e-03	-6.53
		-6.53	-1.16e-03	1.02e-04	0.0	53.6	-15.06	-4.07	0.02	-0.02	3.71e-03	-5.83
29	113	-5.76	4.34e-03	8.77e-06	-8.31	0.0	-15.36	4.05	0.02	-0.02	-1.09e-03	-6.70
		-6.70	-1.09e-03	1.10e-04	0.0	53.6	-15.36	-4.26	0.02	-0.02	4.34e-03	-6.03
29	114	-0.68	0.01	-1.39e-05	-8.31	0.0	7.72	4.98	6.35e-03	0.02	4.33e-03	-1.10
		-1.38	4.33e-03	-1.11e-04	0.0	53.6	7.72	-3.33	6.35e-03	0.02	0.01	-1.38
29	126	-1.35	0.01	-3.88e-05	-8.31	0.0	2.98	2.27	0.02	-4.59e-03	3.43e-03	-1.52
		-2.50	3.43e-03	-1.87e-05	0.0	53.6	2.98	-6.04	0.02	-4.59e-03	0.01	-2.50
29	133	-5.50	5.73e-03	3.40e-05	-8.31	0.0	-11.64	6.13	0.01	2.49e-03	5.72e-05	-6.84
		-6.84	5.72e-05	4.49e-05	0.0	53.6	-11.64	-2.18	0.01	2.49e-03	5.73e-03	-5.61
29	141	-5.86	3.08e-03	1.23e-05	-8.31	0.0	-16.48	4.20	0.02	-0.03	-1.51e-03	-6.87
		-6.87	-1.51e-03	1.15e-04	0.0	53.6	-16.48	-4.11	0.02	-0.03	3.08e-03	-6.09
29	145	-6.08	3.79e-03	9.72e-06	-8.31	0.0	-16.82	3.99	0.02	-0.03	-1.43e-03	-7.05
		-7.05	-1.43e-03	1.24e-04	0.0	53.6	-16.82	-4.32	0.02	-0.03	3.79e-03	-6.33
29	146	-0.35	0.01	-1.47e-05	-8.31	0.0	9.18	5.04	5.38e-03	0.03	4.67e-03	-0.75
		-1.09	4.67e-03	-1.25e-04	0.0	53.6	9.18	-3.27	5.38e-03	0.03	0.01	-1.09
29	158	-1.08	0.02	-4.38e-05	-8.31	0.0	3.83	1.99	0.02	-5.25e-03	3.66e-03	-1.22
		-2.34	3.66e-03	-2.07e-05	0.0	53.6	3.83	-6.32	0.02	-5.25e-03	0.02	-2.34
29	165	-5.77	5.32e-03	3.81e-05	-8.31	0.0	-12.62	6.33	0.01	2.74e-03	-1.38e-04	-7.20
		-7.20	-1.38e-04	5.11e-05	0.0	53.6	-12.62	-1.98	0.01	2.74e-03	5.32e-03	-5.85
29	173	-5.85	3.52e-03	1.34e-05	-8.31	0.0	-16.33	4.25	0.02	-0.02	-1.43e-03	-6.88
		-6.88	-1.43e-03	1.23e-04	0.0	53.6	-16.33	-4.06	0.02	-0.02	3.52e-03	-6.08
29	177	-6.06	4.21e-03	1.06e-05	-8.31	0.0	-16.67	4.03	0.02	-0.03	-1.34e-03	-7.05
		-7.05	-1.34e-03	1.35e-04	0.0	53.6	-16.67	-4.28	0.02	-0.03	4.21e-03	-6.31
29	178	-0.36	0.01	-1.52e-05	-8.31	0.0	9.03	5.00	5.61e-03	0.03	4.59e-03	-0.75
		-1.11	4.59e-03	-1.36e-04	0.0	53.6	9.03	-3.31	5.61e-03	0.03	0.01	-1.11
29	190	-1.08	0.01	-4.36e-05	-8.31	0.0	3.74	2.00	0.02	-5.44e-03	3.64e-03	-1.22
		-2.34	3.64e-03	-1.96e-05	0.0	53.6	3.74	-6.31	0.02	-5.44e-03	0.01	-2.34
29	197	-5.74	5.48e-03	3.70e-05	-8.31	0.0	-12.51	6.29	0.01	2.67e-03	-9.87e-05	-7.16
		-7.16	-9.87e-05	5.80e-05	0.0	53.6	-12.51	-2.02	0.01	2.67e-03	5.48e-03	-5.83
29	205	-6.30	2.66e-03	1.63e-05	-8.31	0.0	-18.44	4.23	0.02	-0.03	-1.95e-03	-7.41
		-7.41	-1.95e-03	1.50e-04	0.0	53.6	-18.44	-4.08	0.02	-0.03	2.66e-03	-6.50
29	209	-6.54	3.46e-03	1.29e-05	-8.31	0.0	-18.83	3.97	0.02	-0.03	-1.84e-03	-7.60
		-7.60	-1.84e-03	1.65e-04	0.0	53.6	-18.83	-4.34	0.02	-0.03	3.46e-03	-6.75
29	210	0.15	0.01	-1.71e-05	-8.31	0.0	11.19	5.06	4.13e-03	0.03	5.09e-03	-0.20
		-0.66	5.09e-03	-1.66e-04	0.0	53.6	11.19	-3.25	4.13e-03	0.03	0.01	-0.66
29	226	-0.71	0.02	-5.33e-05	-8.31	0.0	4.49	0.77	0.02	-0.03	3.97e-03	-0.79
		-2.21	3.97e-03	-3.34e-05	0.0	53.6	4.49	-7.54	0.02	-0.03	0.02	-2.21
29	229	-6.12	4.89e-03	4.27e-05	-8.31	0.0	-13.96	6.58	0.01	3.14e-03	-3.95e-04	-7.69
		-7.69	-3.95e-04	7.24e-05	0.0	53.6	-13.96	-1.73	0.01	3.14e-03	4.89e-03	-6.18
30	18	-5.01	5.42e-03	1.53e-05	-12.90	0.0	-5.66	7.44	-5.50e-03	-0.02	5.42e-03	-6.17
		-6.17	4.03e-03	0.0	0.0	53.6	-5.66	-5.45	-5.50e-03	-0.02	4.03e-03	-5.63
30	19	-1.97	2.99e-03	2.73e-06	-4.17	0.0	-2.58	2.32	-4.05e-03	-0.02	2.99e-03	-2.32
		-2.32	2.42e-03	0.0	0.0	53.6	-2.58	-1.85	-4.05e-03	-0.02	2.42e-03	-2.19

30	28	-6.56	3.71e-03	3.53e-05	-15.69	0.0	-7.09	9.92	-8.86e-04	6.66e-03	3.71e-03	-8.24
		-8.24	2.65e-03	-1.45e-06	0.0	53.6	-7.09	-5.77	-8.86e-04	6.66e-03	2.65e-03	-7.13
30	45	-2.96	4.17e-04	2.44e-05	-4.17	0.0	-3.57	3.48	1.47e-03	9.29e-03	4.17e-04	-3.74
		-3.74	3.33e-04	-1.27e-06	0.0	53.6	-3.57	-0.69	1.47e-03	9.29e-03	3.33e-04	-2.99
30	72	-2.30	2.42e-03	6.97e-06	-4.58	0.0	-2.85	2.76	-2.65e-03	-0.01	2.42e-03	-2.74
		-2.74	2.05e-03	0.0	0.0	53.6	-2.85	-1.82	-2.65e-03	-0.01	2.05e-03	-2.49
30	75	-3.60	3.65e-03	1.17e-05	-8.93	0.0	-4.09	5.22	-3.54e-03	-0.01	3.65e-03	-4.42
		-4.42	2.79e-03	0.0	0.0	53.6	-4.09	-3.71	-3.54e-03	-0.01	2.79e-03	-4.01
30	80	-4.63	2.51e-03	2.50e-05	-10.80	0.0	-5.04	6.87	-4.64e-04	4.52e-03	2.51e-03	-5.80
		-5.80	1.87e-03	-1.04e-06	0.0	53.6	-5.04	-3.92	-4.64e-04	4.52e-03	1.87e-03	-5.01
30	85	-2.96	7.06e-04	2.15e-05	-4.58	0.0	-3.51	3.53	1.02e-03	6.45e-03	7.06e-04	-3.69
		-3.69	6.54e-04	-1.05e-06	0.0	53.6	-3.51	-1.05	1.02e-03	6.45e-03	6.54e-04	-3.02
30	98	-3.75	2.08e-03	1.83e-05	-8.93	0.0	-4.16	5.56	-4.20e-04	9.05e-04	2.08e-03	-4.68
		-4.68	1.79e-03	0.0	0.0	53.6	-4.16	-3.37	-4.20e-04	9.05e-04	1.79e-03	-4.09
30	102	-2.57	1.32e-03	1.28e-05	-4.58	0.0	-3.05	3.07	-2.33e-04	-1.62e-03	1.29e-03	-3.12
		-3.12	1.29e-03	0.0	0.0	53.6	-3.05	-1.51	-2.33e-04	-1.62e-03	1.32e-03	-2.70
30	103	-3.52	2.21e-03	1.63e-05	-8.31	0.0	-3.96	5.14	-9.12e-04	-1.44e-03	2.21e-03	-4.38
		-4.38	1.88e-03	0.0	0.0	53.6	-3.96	-3.17	-9.12e-04	-1.44e-03	1.88e-03	-3.85
30	104	-2.70	1.04e-03	1.57e-05	-4.58	0.0	-3.18	3.22	5.02e-04	1.84e-03	9.42e-04	-3.31
		-3.31	9.42e-04	0.0	0.0	53.6	-3.18	-1.36	5.02e-04	1.84e-03	1.04e-03	-2.81
30	106	-2.64	1.14e-03	1.43e-05	-4.58	0.0	-3.10	3.15	3.72e-04	6.95e-04	1.00e-03	-3.22
		-3.22	1.00e-03	0.0	0.0	53.6	-3.10	-1.44	3.72e-04	6.95e-04	1.14e-03	-2.76
30	107	-3.59	1.93e-03	1.77e-05	-8.31	0.0	-4.01	5.22	-3.06e-04	8.75e-04	1.93e-03	-4.47
		-4.47	1.70e-03	0.0	0.0	53.6	-4.01	-3.09	-3.06e-04	8.75e-04	1.70e-03	-3.90
30	113	-6.67	0.01	4.37e-05	-8.31	0.0	-16.11	7.77	-0.02	0.03	0.01	-8.46
		-8.46	-6.22e-04	1.00e-04	0.0	53.6	-16.11	-0.54	-0.02	0.03	-6.22e-04	-6.70
30	114	-0.19	4.01e-03	-1.56e-05	-8.31	0.0	8.09	2.67	0.02	-0.03	-7.13e-03	-0.48
		-1.10	-7.13e-03	-1.02e-04	0.0	53.6	8.09	-5.64	0.02	-0.03	4.01e-03	-1.10
30	133	-6.84	0.01	5.65e-05	-8.31	0.0	-12.17	8.66	-0.02	0.02	0.01	-9.18
		-9.18	2.12e-04	3.86e-05	0.0	53.6	-12.17	0.35	-0.02	0.02	2.12e-04	-6.84
30	134	0.36	3.18e-03	-2.44e-05	-8.31	0.0	4.15	1.77	0.02	-0.02	-8.24e-03	0.24
		-0.96	-8.24e-03	-4.00e-05	0.0	53.6	4.15	-6.54	0.02	-0.02	3.18e-03	-0.96
30	145	-7.04	0.01	4.70e-05	-8.31	0.0	-17.64	8.09	-0.02	0.03	0.01	-8.96
		-8.96	-9.00e-04	1.14e-04	0.0	53.6	-17.64	-0.22	-0.02	0.03	-9.00e-04	-7.05
30	146	0.26	4.29e-03	-1.81e-05	-8.31	0.0	9.62	2.35	0.02	-0.03	-8.27e-03	0.02
		-0.75	-8.27e-03	-1.15e-04	0.0	53.6	9.62	-5.96	0.02	-0.03	4.29e-03	-0.75
30	165	-7.20	0.01	6.14e-05	-8.31	0.0	-13.20	9.09	-0.02	0.02	0.01	-9.77
		-9.77	3.10e-05	4.41e-05	0.0	53.6	-13.20	0.78	-0.02	0.02	3.10e-05	-7.20
30	166	0.90	3.36e-03	-2.84e-05	-8.31	0.0	5.18	1.34	0.02	-0.02	-9.51e-03	0.83
		-0.60	-9.51e-03	-4.54e-05	0.0	53.6	5.18	-6.97	0.02	-0.02	3.36e-03	-0.60
30	177	-7.04	0.01	4.72e-05	-8.31	0.0	-17.41	8.02	-0.02	0.03	0.01	-8.95
		-8.95	-6.77e-04	1.25e-04	0.0	53.6	-17.41	-0.29	-0.02	0.03	-6.77e-04	-7.05
30	178	0.25	4.07e-03	-1.82e-05	-8.31	0.0	9.39	2.41	0.02	-0.03	-8.09e-03	9.79e-03
		-0.75	-8.09e-03	-1.27e-04	0.0	53.6	9.39	-5.90	0.02	-0.03	4.07e-03	-0.75
30	197	-7.16	0.01	6.07e-05	-8.31	0.0	-13.04	9.00	-0.02	0.02	0.01	-9.69
		-9.69	1.29e-04	5.11e-05	0.0	53.6	-13.04	0.69	-0.02	0.02	1.29e-04	-7.16
30	198	0.83	3.26e-03	-2.79e-05	-8.31	0.0	5.02	1.44	0.02	-0.02	-9.32e-03	0.75
		-0.64	-9.32e-03	-5.25e-05	0.0	53.6	5.02	-6.87	0.02	-0.02	3.26e-03	-0.64
30	209	-7.60	0.01	5.25e-05	-8.31	0.0	-19.62	8.48	-0.02	0.04	0.01	-9.73
		-9.73	-1.00e-03	1.54e-04	0.0	53.6	-19.62	0.17	-0.02	0.04	-1.00e-03	-7.60
30	210	0.96	4.39e-03	-2.22e-05	-8.31	0.0	11.60	1.96	0.02	-0.03	-9.73e-03	0.79
		-0.20	-9.73e-03	-1.56e-04	0.0	53.6	11.60	-6.35	0.02	-0.03	4.39e-03	-0.20
30	229	-7.69	0.01	6.76e-05	-8.31	0.0	-14.52	9.60	-0.03	0.02	0.01	-10.54
		-10.54	-1.06e-04	6.43e-05	0.0	53.6	-14.52	1.29	-0.03	0.02	-1.06e-04	-7.69
30	230	1.63	3.50e-03	-3.38e-05	-8.31	0.0	6.50	0.84	0.03	-0.02	-0.01	1.60
		-0.11	-0.01	-6.57e-05	0.0	53.6	6.50	-7.47	0.03	-0.02	3.50e-03	-0.11
30	233	-7.66	0.01	6.92e-05	-8.31	0.0	-13.85	9.67	-0.02	0.02	0.01	-10.57
		-10.57	3.04e-05	7.47e-05	0.0	53.6	-13.85	1.36	-0.02	0.02	3.04e-05	-7.66
30	234	1.65	3.36e-03	-3.51e-05	-8.31	0.0	5.83	0.76	0.02	-0.02	-0.01	1.63
		-0.14	-0.01	-7.61e-05	0.0	53.6	5.83	-7.55	0.02	-0.02	3.36e-03	-0.14
31	4	-6.96	0.02	5.20e-05	-15.69	0.0	-8.23	10.68	-0.02	-8.76e-03	0.02	-8.92
		-8.92	4.73e-03	-1.31e-06	0.0	53.6	-8.23	-5.01	-0.02	-8.76e-03	4.73e-03	-7.39
31	19	-2.20	8.23e-03	1.14e-05	-4.17	0.0	-3.70	2.81	-0.02	-0.02	8.23e-03	-2.70
		-2.70	2.12e-03	0.0	0.0	53.6	-3.70	-1.36	-0.02	-0.02	2.12e-03	-2.32
31	28	-7.95	0.01	7.02e-05	-15.69	0.0	-8.33	11.52	-0.02	9.03e-03	0.01	-10.22
		-10.22	3.98e-03	-1.89e-06	0.0	53.6	-8.33	-4.17	-0.02	9.03e-03	3.98e-03	-8.24
31	45	-3.74	6.15e-03	4.17e-05	-4.17	0.0	-3.86	4.21	-8.16e-03	0.01	6.15e-03	-4.88
		-4.88	8.50e-04	-1.45e-06	0.0	53.6	-3.86	0.04	-8.16e-03	0.01	8.50e-04	-3.74
31	53	-3.00	6.06e-03	2.66e-05	-4.17	0.0	-3.67	3.52	-9.74e-03	1.34e-03	6.06e-03	-3.80
		-3.80	8.64e-04	0.0	0.0	53.6	-3.67	-0.65	-9.74e-03	1.34e-03	8.64e-04	-3.03
31	68	-4.95	0.01	3.75e-05	-10.80	0.0	-5.88	7.44	-0.02	-5.70e-03	0.01	-6.33
		-6.33	3.20e-03	0.0	0.0	53.6	-5.88	-3.35	-0.02	-5.70e-03	3.20e-03	-5.23
31	72	-2.65	7.84e-03	1.79e-05	-4.58	0.0	-3.87	3.33	-0.01	-0.01	7.84e-03	-3.30
		-3.30	1.84e-03	0.0	0.0	53.6	-3.87	-1.26	-0.01	-0.01	1.84e-03	-2.74
31	80	-5.61	0.01	4.96e-05	-10.80	0.0	-5.95	8.00	-0.01	6.16e-03	0.01	-7.20

		-7.20	2.69e-03	-1.33e-06	0.0	53.6	-5.95	-2.79	-0.01	6.16e-03	2.69e-03	-5.80
31	85	-3.68	6.45e-03	3.80e-05	-4.58	0.0	-3.97	4.26	-9.05e-03	7.96e-03	6.45e-03	-4.74
		-4.74	9.96e-04	-1.21e-06	0.0	53.6	-3.97	-0.33	-9.05e-03	7.96e-03	9.96e-04	-3.69
31	89	-3.18	6.39e-03	2.80e-05	-4.58	0.0	-3.84	3.80	-0.01	1.41e-03	6.39e-03	-4.02
		-4.02	1.01e-03	0.0	0.0	53.6	-3.84	-0.79	-0.01	1.41e-03	1.01e-03	-3.22
31	97	-3.18	6.39e-03	2.80e-05	-4.58	0.0	-3.84	3.80	-0.01	1.41e-03	6.39e-03	-4.02
		-4.02	1.01e-03	0.0	0.0	53.6	-3.84	-0.79	-0.01	1.41e-03	1.01e-03	-3.22
31	98	-4.50	8.97e-03	3.78e-05	-8.93	0.0	-5.11	6.49	-0.01	1.90e-03	8.97e-03	-5.76
		-5.76	2.08e-03	0.0	0.0	53.6	-5.11	-2.45	-0.01	1.90e-03	2.08e-03	-4.68
31	102	-3.08	6.68e-03	2.60e-05	-4.58	0.0	-3.85	3.70	-0.01	-1.24e-03	6.68e-03	-3.88
		-3.88	1.17e-03	0.0	0.0	53.6	-3.85	-0.88	-0.01	-1.24e-03	1.17e-03	-3.12
31	104	-3.28	6.40e-03	3.00e-05	-4.58	0.0	-3.87	3.89	-9.89e-03	2.72e-03	6.40e-03	-4.17
		-4.17	1.00e-03	0.0	0.0	53.6	-3.87	-0.70	-9.89e-03	2.72e-03	1.00e-03	-3.31
31	106	-3.18	6.39e-03	2.80e-05	-4.58	0.0	-3.84	3.80	-0.01	1.41e-03	6.39e-03	-4.02
		-4.02	1.01e-03	0.0	0.0	53.6	-3.84	-0.79	-0.01	1.41e-03	1.01e-03	-3.22
31	107	-4.31	8.60e-03	3.64e-05	-8.31	0.0	-4.93	6.10	-0.01	1.83e-03	8.60e-03	-5.51
		-5.51	1.93e-03	0.0	0.0	53.6	-4.93	-2.21	-0.01	1.83e-03	1.93e-03	-4.47
31	108	-6.16	8.68e-03	5.34e-05	-8.31	0.0	-17.55	7.11	3.58e-03	0.02	2.04e-03	-7.74
		-7.74	2.04e-03	8.90e-05	0.0	53.6	-17.55	-1.20	3.58e-03	0.02	8.68e-03	-6.21
31	111	-2.42	0.02	1.94e-05	-8.31	0.0	7.69	5.09	-0.03	-0.02	0.02	-3.29
		-3.29	-4.82e-03	-9.07e-05	0.0	53.6	7.69	-3.22	-0.03	-0.02	-4.82e-03	-2.73
31	114	0.58	9.58e-03	-2.05e-05	-8.31	0.0	4.47	2.43	-0.02	-0.02	9.58e-03	0.37
		-0.48	-8.88e-03	-9.03e-05	0.0	53.6	4.47	-5.88	-0.02	-0.02	-8.88e-03	-0.48
31	125	-8.92	0.02	1.06e-04	-8.31	0.0	-0.95	11.54	-0.02	0.02	0.02	-12.86
		-12.86	9.84e-03	1.88e-05	0.0	53.6	-0.95	3.23	-0.02	0.02	9.84e-03	-8.92
31	131	-7.26	0.02	8.51e-05	-8.31	0.0	4.62	10.06	-0.03	5.06e-03	0.02	-10.43
		-10.43	5.11e-03	-3.49e-05	0.0	53.6	4.62	1.75	-0.03	5.06e-03	5.11e-03	-7.26
31	134	1.84	8.68e-04	-3.19e-05	-8.31	0.0	-5.37	1.22	-0.01	-0.01	8.68e-04	1.79
		0.24	-8.71e-03	-3.25e-05	0.0	53.6	-5.37	-7.09	-0.01	-0.01	-8.71e-03	0.24
31	140	-6.39	9.53e-03	5.55e-05	-8.31	0.0	-19.13	7.24	5.59e-03	0.02	1.23e-03	-8.02
		-8.02	1.23e-03	1.01e-04	0.0	53.6	-19.13	-1.07	5.59e-03	0.02	9.53e-03	-6.44
31	143	-2.17	0.02	1.73e-05	-8.31	0.0	9.27	4.97	-0.03	-0.02	0.02	-3.01
		-3.01	-5.67e-03	-1.03e-04	0.0	53.6	9.27	-3.35	-0.03	-0.02	-5.67e-03	-2.50
31	146	1.26	9.69e-03	-2.56e-05	-8.31	0.0	5.66	1.97	-0.03	-0.03	9.69e-03	1.11
		0.02	-0.01	-1.02e-04	0.0	53.6	5.66	-6.34	-0.03	-0.03	-0.01	0.02
31	157	-9.49	0.02	1.15e-04	-8.31	0.0	-0.46	12.23	-0.02	0.02	0.02	-13.78
		-13.78	0.01	2.11e-05	0.0	53.6	-0.46	3.92	-0.02	0.02	0.01	-9.49
31	158	2.75	-1.19e-03	-4.28e-05	-8.31	0.0	-9.40	-0.02	-5.78e-03	-0.02	-1.19e-03	2.75
		0.54	-6.99e-03	-2.28e-05	0.0	53.6	-9.40	-8.34	-5.78e-03	-0.02	-6.99e-03	0.54
31	163	-7.61	0.02	9.11e-05	-8.31	0.0	5.80	10.55	-0.03	5.47e-03	0.02	-11.04
		-11.04	5.50e-03	-4.04e-05	0.0	53.6	5.80	2.24	-0.03	5.47e-03	5.50e-03	-7.61
31	172	-6.42	9.55e-03	5.58e-05	-8.31	0.0	-18.69	7.22	5.20e-03	0.02	1.48e-03	-8.05
		-8.05	1.48e-03	1.13e-04	0.0	53.6	-18.69	-1.09	5.20e-03	0.02	9.55e-03	-6.46
31	175	-2.15	0.02	1.71e-05	-8.31	0.0	8.84	4.98	-0.03	-0.02	0.02	-2.98
		-2.98	-5.69e-03	-1.15e-04	0.0	53.6	8.84	-3.33	-0.03	-0.02	-5.69e-03	-2.48
31	178	1.23	9.54e-03	-2.53e-05	-8.31	0.0	5.33	2.03	-0.03	-0.03	9.54e-03	1.08
		9.79e-03	-0.01	-1.15e-04	0.0	53.6	5.33	-6.28	-0.03	-0.03	-0.01	9.79e-03
31	193	-9.47	0.02	1.15e-04	-8.31	0.0	0.30	12.24	-0.02	0.02	0.02	-13.79
		-13.79	0.01	2.66e-05	0.0	53.6	0.30	3.93	-0.02	0.02	0.01	-9.47
31	194	2.76	-8.62e-04	-4.32e-05	-8.31	0.0	-10.16	-0.04	-4.52e-03	-0.02	-8.62e-04	2.76
		0.53	-6.78e-03	-2.83e-05	0.0	53.6	-10.16	-8.35	-4.52e-03	-0.02	-6.78e-03	0.53
31	195	-7.55	0.02	9.03e-05	-8.31	0.0	5.52	10.50	-0.03	5.41e-03	0.02	-10.95
		-10.95	5.44e-03	-5.16e-05	0.0	53.6	5.52	2.18	-0.03	5.41e-03	5.44e-03	-7.55
31	204	-6.79	0.01	5.94e-05	-8.31	0.0	-20.85	7.42	8.09e-03	0.03	3.38e-04	-8.51
		-8.51	3.38e-04	1.41e-04	0.0	53.6	-20.85	-0.89	8.09e-03	0.03	0.01	-6.83
31	207	-1.74	0.02	1.35e-05	-8.31	0.0	10.99	4.79	-0.03	-0.02	0.02	-2.52
		-2.52	-7.03e-03	-1.42e-04	0.0	53.6	10.99	-3.52	-0.03	-0.02	-7.03e-03	-2.11
31	210	2.29	9.68e-03	-3.34e-05	-8.31	0.0	6.93	1.36	-0.03	-0.03	9.68e-03	2.22
		0.79	-0.01	-1.42e-04	0.0	53.6	6.93	-6.95	-0.03	-0.03	-0.01	0.79
31	225	-10.36	0.02	1.29e-04	-8.31	0.0	1.10	13.30	-0.02	0.02	0.02	-15.24
		-15.24	0.01	3.37e-05	0.0	53.6	1.10	4.99	-0.02	0.02	0.01	-10.36
31	226	4.21	-2.39e-03	-5.65e-05	-8.31	0.0	-10.96	-1.10	-3.29e-03	-0.02	-2.39e-03	4.21
		1.42	-8.40e-03	-3.54e-05	0.0	53.6	-10.96	-9.41	-3.29e-03	-0.02	-8.40e-03	1.42
31	227	-8.04	0.02	9.89e-05	-8.31	0.0	7.22	11.20	-0.03	5.94e-03	0.02	-11.82
		-11.82	5.98e-03	-6.70e-05	0.0	53.6	7.22	2.89	-0.03	5.94e-03	5.98e-03	-8.04
32	4	-8.70	0.06	9.34e-05	-15.69	0.0	-8.89	12.13	-0.08	-3.61e-03	0.06	-11.21
		-11.21	0.02	-2.56e-06	0.0	53.6	-8.89	-3.56	-0.08	-3.61e-03	0.02	-8.92
32	19	-2.67	0.02	2.15e-05	-4.17	0.0	-4.36	3.45	-0.03	-0.02	0.02	-3.44
		-3.44	7.20e-03	0.0	0.0	53.6	-4.36	-0.72	-0.03	-0.02	7.20e-03	-2.70
32	28	-10.08	0.06	1.23e-04	-15.69	0.0	-8.43	12.87	-0.08	0.01	0.06	-12.91
		-12.91	0.01	-3.41e-06	0.0	53.6	-8.43	-2.82	-0.08	0.01	0.01	-10.22
32	45	-4.88	0.03	7.00e-05	-4.17	0.0	-3.60	4.69	-0.04	0.01	0.03	-6.27
		-6.27	6.55e-03	-2.24e-06	0.0	53.6	-3.60	0.52	-0.04	0.01	6.55e-03	-4.88
32	53	-3.80	0.02	4.59e-05	-4.17	0.0	-3.88	4.08	-0.03	3.28e-03	0.02	-4.87
		-4.87	6.00e-03	-1.21e-06	0.0	53.6	-3.88	-0.09	-0.03	3.28e-03	6.00e-03	-3.80

32	68	-6.20	0.04	6.71e-05	-10.80	0.0	-6.35	8.46	-0.06	-2.06e-03	0.04	-7.97
		-7.97	0.01	-1.83e-06	0.0	53.6	-6.35	-2.33	-0.06	-2.06e-03	0.01	-6.33
32	72	-3.27	0.02	3.21e-05	-4.58	0.0	-4.38	3.97	-0.03	-9.17e-03	0.02	-4.20
		-4.20	7.13e-03	-1.02e-06	0.0	53.6	-4.38	-0.61	-0.03	-9.17e-03	7.13e-03	-3.30
32	80	-7.11	0.04	8.65e-05	-10.80	0.0	-6.04	8.96	-0.06	9.30e-03	0.04	-9.11
		-9.11	0.01	-2.40e-06	0.0	53.6	-6.04	-1.84	-0.06	9.30e-03	0.01	-7.20
32	85	-4.74	0.03	6.44e-05	-4.58	0.0	-3.87	4.80	-0.04	9.75e-03	0.03	-6.09
		-6.09	6.70e-03	-1.96e-06	0.0	53.6	-3.87	0.21	-0.04	9.75e-03	6.70e-03	-4.74
32	89	-4.02	0.02	4.83e-05	-4.58	0.0	-4.06	4.39	-0.03	3.44e-03	0.02	-5.15
		-5.15	6.33e-03	-1.27e-06	0.0	53.6	-4.06	-0.19	-0.03	3.44e-03	6.33e-03	-4.02
32	97	-4.02	0.02	4.83e-05	-4.58	0.0	-4.06	4.39	-0.03	3.44e-03	0.02	-5.15
		-5.15	6.33e-03	-1.27e-06	0.0	53.6	-4.06	-0.19	-0.03	3.44e-03	6.33e-03	-4.02
32	98	-5.69	0.03	6.63e-05	-8.93	0.0	-5.37	7.33	-0.05	4.71e-03	0.03	-7.30
		-7.30	8.88e-03	-1.71e-06	0.0	53.6	-5.37	-1.60	-0.05	4.71e-03	8.88e-03	-5.76
32	102	-3.87	0.02	4.51e-05	-4.58	0.0	-4.12	4.31	-0.03	9.19e-04	0.02	-4.96
		-4.96	6.49e-03	-1.22e-06	0.0	53.6	-4.12	-0.28	-0.03	9.19e-04	6.49e-03	-3.88
32	104	-4.17	0.02	5.15e-05	-4.58	0.0	-4.02	4.47	-0.03	4.70e-03	0.02	-5.34
		-5.34	6.40e-03	-1.41e-06	0.0	53.6	-4.02	-0.11	-0.03	4.70e-03	6.40e-03	-4.17
32	106	-4.02	0.02	4.83e-05	-4.58	0.0	-4.06	4.39	-0.03	3.44e-03	0.02	-5.15
		-5.15	6.33e-03	-1.27e-06	0.0	53.6	-4.06	-0.19	-0.03	3.44e-03	6.33e-03	-4.02
32	107	-5.45	0.03	6.37e-05	-8.31	0.0	-5.18	6.91	-0.05	4.53e-03	0.03	-6.99
		-6.99	8.51e-03	-1.64e-06	0.0	53.6	-5.18	-1.40	-0.05	4.53e-03	8.51e-03	-5.51
32	108	-7.72	0.06	1.04e-04	-8.31	0.0	-17.63	7.65	-0.09	0.03	0.06	-9.53
		-9.53	-7.40e-04	7.69e-05	0.0	53.6	-17.63	-0.66	-0.09	0.03	-7.40e-04	-7.74
32	111	-3.16	0.02	2.31e-05	-8.31	0.0	7.27	6.16	-3.38e-03	-0.02	9.56e-03	-4.45
		-4.45	9.56e-03	-8.02e-05	0.0	53.6	7.27	-2.15	-3.38e-03	-0.02	0.02	-3.29
32	129	-12.85	0.06	1.93e-04	-8.31	0.0	1.40	12.89	-0.08	0.02	0.06	-17.51
		-17.51	0.02	1.74e-05	0.0	53.6	1.40	4.58	-0.08	0.02	0.02	-12.85
32	130	3.56	2.37e-03	-6.53e-05	-8.31	0.0	-11.76	0.92	-8.32e-03	-0.01	2.37e-03	3.53
		1.82	-3.63e-03	-2.07e-05	0.0	53.6	-11.76	-7.39	-8.32e-03	-0.01	-3.63e-03	1.82
32	133	-12.82	0.08	1.91e-04	-8.31	0.0	-4.86	12.03	-0.12	0.02	0.08	-17.01
		-17.01	0.02	2.25e-05	0.0	53.6	-4.86	3.72	-0.12	0.02	0.02	-12.82
32	134	3.14	1.65e-03	-6.39e-05	-8.31	0.0	-5.50	1.79	0.02	-0.01	-0.01	3.03
		1.79	-0.01	-2.57e-05	0.0	53.6	-5.50	-6.52	0.02	-0.01	1.65e-03	1.79
32	140	-8.00	0.06	1.10e-04	-8.31	0.0	-19.18	7.75	-0.09	0.03	0.06	-9.86
		-9.86	-1.90e-03	8.74e-05	0.0	53.6	-19.18	-0.56	-0.09	0.03	-1.90e-03	-8.02
32	143	-2.87	0.02	1.79e-05	-8.31	0.0	8.82	6.07	1.94e-03	-0.02	6.63e-03	-4.13
		-4.13	6.63e-03	-9.07e-05	0.0	53.6	8.82	-2.24	1.94e-03	-0.02	0.02	-3.01
32	161	-13.78	0.07	2.09e-04	-8.31	0.0	2.24	13.65	-0.09	0.02	0.07	-18.85
		-18.85	0.02	2.04e-05	0.0	53.6	2.24	5.34	-0.09	0.02	0.02	-13.78
32	162	4.86	-1.49e-03	-8.17e-05	-8.31	0.0	-12.59	0.17	-3.62e-03	-0.01	-1.49e-03	4.86
		2.75	-5.16e-03	-2.37e-05	0.0	53.6	-12.59	-8.14	-3.62e-03	-0.01	-5.16e-03	2.75
32	165	-13.73	0.09	2.07e-04	-8.31	0.0	-4.83	12.66	-0.12	0.02	0.09	-18.26
		-18.26	0.02	2.59e-05	0.0	53.6	-4.83	4.35	-0.12	0.02	0.02	-13.73
32	166	4.33	8.06e-04	-7.98e-05	-8.31	0.0	-5.52	1.16	0.03	-0.01	-0.02	4.28
		2.70	-0.02	-2.92e-05	0.0	53.6	-5.52	-7.16	0.03	-0.01	8.06e-04	2.70
32	172	-8.03	0.06	1.10e-04	-8.31	0.0	-18.53	7.71	-0.09	0.03	0.06	-9.87
		-9.87	-1.72e-03	1.00e-04	0.0	53.6	-18.53	-0.60	-0.09	0.03	-1.72e-03	-8.05
32	175	-2.85	0.02	1.75e-05	-8.31	0.0	8.18	6.11	1.08e-03	-0.02	6.82e-03	-4.11
		-4.11	6.82e-03	-1.04e-04	0.0	53.6	8.18	-2.20	1.08e-03	-0.02	0.02	-2.98
32	193	-13.79	0.07	2.09e-04	-8.31	0.0	2.27	13.60	-0.09	0.02	0.07	-18.83
		-18.83	0.02	2.45e-05	0.0	53.6	2.27	5.29	-0.09	0.02	0.02	-13.79
32	194	4.85	-1.42e-03	-8.19e-05	-8.31	0.0	-12.63	0.22	-4.35e-03	-0.01	-1.42e-03	4.85
		2.76	-5.13e-03	-2.78e-05	0.0	53.6	-12.63	-8.09	-4.35e-03	-0.01	-5.13e-03	2.76
32	197	-13.59	0.08	2.05e-04	-8.31	0.0	-5.01	12.52	-0.12	0.02	0.08	-18.05
		-18.05	0.02	3.30e-05	0.0	53.6	-5.01	4.21	-0.12	0.02	0.02	-13.59
32	198	4.12	1.01e-03	-7.73e-05	-8.31	0.0	-5.35	1.29	0.03	-0.01	-0.02	4.07
		2.56	-0.02	-3.63e-05	0.0	53.6	-5.35	-7.02	0.03	-0.01	1.01e-03	2.56
32	204	-8.50	0.06	1.18e-04	-8.31	0.0	-20.49	7.83	-0.10	0.04	0.06	-10.40
		-10.40	-3.43e-03	1.26e-04	0.0	53.6	-20.49	-0.48	-0.10	0.04	-3.43e-03	-8.51
32	207	-2.37	0.02	9.00e-06	-8.31	0.0	10.13	5.98	8.74e-03	-0.03	2.37e-03	-3.59
		-3.59	2.37e-03	-1.29e-04	0.0	53.6	10.13	-2.33	8.74e-03	-0.03	0.02	-2.52
32	225	-15.24	0.07	2.35e-04	-8.31	0.0	3.51	14.74	-0.09	0.03	0.07	-20.89
		-20.89	0.02	3.17e-05	0.0	53.6	3.51	6.43	-0.09	0.03	0.02	-15.24
32	226	6.91	-7.51e-03	-1.08e-04	-8.31	0.0	-13.87	-0.92	2.84e-03	-0.02	-7.51e-03	6.91
		4.21	-7.51e-03	-3.50e-05	0.0	53.6	-13.87	-9.23	2.84e-03	-0.02	-7.51e-03	4.21
32	229	-14.90	0.09	2.28e-04	-8.31	0.0	-5.03	13.41	-0.13	0.03	0.09	-19.83
		-19.83	0.02	4.30e-05	0.0	53.6	-5.03	5.10	-0.13	0.03	0.02	-14.90
32	230	5.85	-1.48e-04	-1.00e-04	-8.31	0.0	-5.33	0.40	0.04	-0.02	-0.03	5.85
		3.87	-0.03	-4.63e-05	0.0	53.6	-5.33	-7.91	0.04	-0.02	-1.48e-04	3.87
33	4	-11.12	0.06	1.53e-04	-15.69	0.0	-8.56	13.33	0.28	1.85e-03	-0.09	-14.15
		-14.15	-0.09	-8.79e-06	0.0	53.6	-8.56	-2.36	0.28	1.85e-03	0.06	-11.21
33	19	-3.44	0.02	3.42e-05	-4.17	0.0	-4.71	4.32	0.08	-3.77e-03	-0.02	-4.64
		-4.64	-0.02	-2.64e-06	0.0	53.6	-4.71	0.15	0.08	-3.77e-03	0.02	-3.44
33	28	-12.83	0.06	2.01e-04	-15.69	0.0	-7.37	13.55	0.31	7.37e-03	-0.10	-15.97

		-15.97	-0.10	-1.07e-05	0.0	53.6	-7.37	-2.14	0.31	7.37e-03	0.06	-12.91
33	45	-6.27	0.03	1.13e-04	-4.17	0.0	-2.71	4.69	0.12	5.44e-03	-0.03	-7.67
		-7.67	-0.03	-5.74e-06	0.0	53.6	-2.71	0.52	0.12	5.44e-03	0.03	-6.27
33	68	-7.92	0.04	1.10e-04	-10.80	0.0	-6.11	9.32	0.20	1.47e-03	-0.06	-10.08
		-10.08	-0.06	-6.26e-06	0.0	53.6	-6.11	-1.48	0.20	1.47e-03	0.04	-7.97
33	72	-4.20	0.02	5.17e-05	-4.58	0.0	-4.50	4.71	0.10	-1.62e-03	-0.03	-5.49
		-5.49	-0.03	-3.26e-06	0.0	53.6	-4.50	0.13	0.10	-1.62e-03	0.02	-4.20
33	80	-9.06	0.04	1.42e-04	-10.80	0.0	-5.31	9.46	0.21	5.16e-03	-0.07	-11.29
		-11.29	-0.07	-7.50e-06	0.0	53.6	-5.31	-1.33	0.21	5.16e-03	0.04	-9.11
33	85	-6.09	0.03	1.04e-04	-4.58	0.0	-3.17	4.95	0.12	4.52e-03	-0.04	-7.51
		-7.51	-0.04	-5.33e-06	0.0	53.6	-3.17	0.37	0.12	4.52e-03	0.03	-6.09
33	98	-7.27	0.03	1.08e-04	-8.93	0.0	-4.95	7.91	0.17	3.34e-03	-0.05	-9.14
		-9.14	-0.05	-5.75e-06	0.0	53.6	-4.95	-1.02	0.17	3.34e-03	0.03	-7.30
33	102	-4.96	0.02	7.29e-05	-4.58	0.0	-3.92	4.81	0.11	1.62e-03	-0.03	-6.31
		-6.31	-0.03	-3.91e-06	0.0	53.6	-3.92	0.23	0.11	1.62e-03	0.02	-4.96
33	104	-5.34	0.02	8.34e-05	-4.58	0.0	-3.66	4.86	0.11	2.84e-03	-0.03	-6.72
		-6.72	-0.03	-4.33e-06	0.0	53.6	-3.66	0.28	0.11	2.84e-03	0.02	-5.34
33	106	-5.15	0.02	7.82e-05	-4.58	0.0	-3.78	4.84	0.11	2.42e-03	-0.03	-6.52
		-6.52	-0.03	-4.08e-06	0.0	53.6	-3.78	0.25	0.11	2.42e-03	0.02	-5.15
33	107	-6.97	0.03	1.04e-04	-8.31	0.0	-4.79	7.47	0.16	3.21e-03	-0.05	-8.77
		-8.77	-0.05	-5.51e-06	0.0	53.6	-4.79	-0.84	0.16	3.21e-03	0.03	-6.99
33	108	-9.22	0.31	2.01e-04	-8.31	0.0	-16.48	5.11	-0.49	0.02	0.31	-10.09
		-10.09	0.05	5.92e-05	0.0	53.6	-16.48	-3.20	-0.49	0.02	0.05	-9.53
33	111	-4.45	0.01	7.46e-06	-8.31	0.0	6.91	9.83	0.81	-0.02	-0.41	-7.45
		-7.45	-0.41	-7.03e-05	0.0	53.6	6.91	1.52	0.81	-0.02	0.01	-4.45
33	124	0.69	0.24	-6.84e-05	-8.31	0.0	-17.28	8.73	-0.41	3.46e-03	0.24	-0.18
		-0.18	0.02	1.58e-05	0.0	53.6	-17.28	0.42	-0.41	3.46e-03	0.02	0.38
33	127	-14.36	0.05	2.77e-04	-8.31	0.0	7.70	6.21	0.74	2.96e-03	-0.34	-17.35
		-17.35	-0.34	-2.69e-05	0.0	53.6	7.70	-2.10	0.74	2.96e-03	0.05	-14.36
33	129	-17.51	0.07	3.74e-04	-8.31	0.0	2.96	4.59	0.46	0.01	-0.19	-19.98
		-19.98	-0.19	9.73e-06	0.0	53.6	2.96	-3.73	0.46	0.01	0.07	-17.51
33	130	3.68	0.08	-1.66e-04	-8.31	0.0	-12.53	10.35	-0.13	-7.91e-03	0.08	2.44
		2.44	-1.19e-03	-2.08e-05	0.0	53.6	-12.53	2.04	-0.13	-7.91e-03	-1.19e-03	3.53
33	140	-9.48	0.35	2.13e-04	-8.31	0.0	-17.93	4.81	-0.57	0.03	0.35	-10.25
		-10.25	0.06	6.79e-05	0.0	53.6	-17.93	-3.50	-0.57	0.03	0.06	-9.86
33	143	-4.13	9.69e-03	-8.62e-06	-8.31	0.0	8.36	10.13	0.89	-0.02	-0.46	-7.29
		-7.29	-0.46	-7.90e-05	0.0	53.6	8.36	1.82	0.89	-0.02	9.69e-03	-4.13
33	156	1.67	0.28	-9.01e-05	-8.31	0.0	-18.83	8.88	-0.48	3.47e-03	0.28	0.89
		0.89	0.01	1.89e-05	0.0	53.6	-18.83	0.57	-0.48	3.47e-03	0.01	1.30
33	159	-15.28	0.05	2.98e-04	-8.31	0.0	9.26	6.06	0.81	2.96e-03	-0.38	-18.43
		-18.43	-0.38	-3.00e-05	0.0	53.6	9.26	-2.25	0.81	2.96e-03	0.05	-15.28
33	161	-18.85	0.07	4.08e-04	-8.31	0.0	3.95	4.23	0.50	0.02	-0.20	-21.39
		-21.39	-0.20	1.22e-05	0.0	53.6	3.95	-4.08	0.50	0.02	0.07	-18.85
33	162	5.03	0.10	-2.00e-04	-8.31	0.0	-13.52	10.71	-0.17	-9.37e-03	0.10	3.85
		3.85	-5.59e-03	-2.32e-05	0.0	53.6	-13.52	2.40	-0.17	-9.37e-03	-5.59e-03	4.86
33	172	-9.46	0.33	2.14e-04	-8.31	0.0	-17.16	4.83	-0.53	0.03	0.33	-10.20
		-10.20	0.06	8.13e-05	0.0	53.6	-17.16	-3.48	-0.53	0.03	0.06	-9.87
33	175	-4.11	9.64e-03	-9.25e-06	-8.31	0.0	7.59	10.11	0.85	-0.02	-0.44	-7.34
		-7.34	-0.44	-9.23e-05	0.0	53.6	7.59	1.80	0.85	-0.02	9.64e-03	-4.11
33	188	1.59	0.27	-8.88e-05	-8.31	0.0	-18.43	8.82	-0.46	3.29e-03	0.27	0.81
		0.81	0.01	2.61e-05	0.0	53.6	-18.43	0.51	-0.46	3.29e-03	0.01	1.23
33	191	-15.21	0.05	2.97e-04	-8.31	0.0	8.85	6.12	0.79	3.13e-03	-0.37	-18.34
		-18.34	-0.37	-3.71e-05	0.0	53.6	8.85	-2.19	0.79	3.13e-03	0.05	-15.21
33	193	-18.83	0.07	4.09e-04	-8.31	0.0	4.04	4.30	0.50	0.02	-0.21	-21.29
		-21.29	-0.21	1.64e-05	0.0	53.6	4.04	-4.01	0.50	0.02	0.07	-18.83
33	194	4.99	0.10	-2.01e-04	-8.31	0.0	-13.61	10.64	-0.18	-9.74e-03	0.10	3.76
		3.76	-5.73e-03	-2.74e-05	0.0	53.6	-13.61	2.33	-0.18	-9.74e-03	-5.73e-03	4.85
33	204	-9.86	0.39	2.34e-04	-8.31	0.0	-18.87	4.38	-0.63	0.03	0.39	-10.43
		-10.43	0.06	1.04e-04	0.0	53.6	-18.87	-3.93	-0.63	0.03	0.06	-10.40
33	207	-3.59	5.43e-03	-2.61e-05	-8.31	0.0	9.29	10.56	0.95	-0.02	-0.49	-7.11
		-7.11	-0.49	-1.15e-04	0.0	53.6	9.29	2.25	0.95	-0.02	5.43e-03	-3.59
33	220	3.06	0.31	-1.21e-04	-8.31	0.0	-20.55	9.03	-0.56	3.16e-03	0.31	2.40
		2.40	9.70e-03	3.55e-05	0.0	53.6	-20.55	0.72	-0.56	3.16e-03	9.70e-03	2.61
33	223	-16.59	0.06	3.29e-04	-8.31	0.0	10.98	5.91	0.88	3.26e-03	-0.42	-19.94
		-19.94	-0.42	-4.65e-05	0.0	53.6	10.98	-2.40	0.88	3.26e-03	0.06	-16.59
33	225	-20.89	0.08	4.63e-04	-8.31	0.0	5.55	3.76	0.56	0.02	-0.23	-23.43
		-23.43	-0.23	2.31e-05	0.0	53.6	5.55	-4.55	0.56	0.02	0.08	-20.89
33	226	7.08	0.13	-2.55e-04	-8.31	0.0	-15.13	11.18	-0.23	-0.01	0.13	5.89
		5.89	-0.01	-3.41e-05	0.0	53.6	-15.13	2.87	-0.23	-0.01	-0.01	6.91
34	4	0.18	0.03	6.03e-04	-17.25	0.0	-9.10	-17.12	-0.22	0.0	0.03	0.18
		-14.15	-0.10	2.35e-06	0.0	55.7	-9.10	-34.37	-0.22	0.0	-0.10	-14.15
34	21	0.43	0.02	3.60e-04	-11.61	0.0	-7.00	-10.38	-0.13	0.0	0.02	0.43
		-8.58	-0.06	1.80e-06	0.0	55.7	-7.00	-22.00	-0.13	0.0	-0.06	-8.58
34	28	-0.53	0.03	6.91e-04	-17.25	0.0	-7.58	-19.12	-0.24	0.0	0.03	-0.53
		-15.97	-0.10	1.22e-06	0.0	55.7	-7.58	-36.37	-0.24	0.0	-0.10	-15.97

34	45	-0.98	0.01	3.36e-04	-4.84	0.0	-2.56	-9.60	-0.09	0.0	0.01	-0.98
		-7.67	-0.04	-1.85e-06	0.0	55.7	-2.56	-14.44	-0.09	0.0	-0.04	-7.67
34	68	0.06	0.02	4.29e-04	-11.85	0.0	-6.48	-12.27	-0.15	0.0	0.02	0.06
		-10.08	-0.07	1.48e-06	0.0	55.7	-6.48	-24.12	-0.15	0.0	-0.07	-10.08
34	74	0.17	0.01	3.43e-04	-9.91	0.0	-6.08	-9.95	-0.12	0.0	0.01	0.17
		-8.12	-0.05	1.21e-06	0.0	55.7	-6.08	-19.86	-0.12	0.0	-0.05	-8.12
34	80	-0.42	0.02	4.87e-04	-11.85	0.0	-5.46	-13.61	-0.17	0.0	0.02	-0.42
		-11.29	-0.07	0.0	0.0	55.7	-5.46	-25.45	-0.17	0.0	-0.07	-11.29
34	85	-0.77	0.01	3.26e-04	-5.40	0.0	-3.13	-9.42	-0.09	0.0	0.01	-0.77
		-7.51	-0.04	-1.25e-06	0.0	55.7	-3.13	-14.83	-0.09	0.0	-0.04	-7.51
34	98	-0.23	0.02	3.92e-04	-9.91	0.0	-5.18	-11.06	-0.13	0.0	0.02	-0.23
		-9.14	-0.06	0.0	0.0	55.7	-5.18	-20.98	-0.13	0.0	-0.06	-9.14
34	103	-0.17	0.02	3.66e-04	-9.27	0.0	-5.18	-10.45	-0.12	0.0	0.02	-0.17
		-8.56	-0.05	0.0	0.0	55.7	-5.18	-19.72	-0.12	0.0	-0.05	-8.56
34	104	-0.46	0.01	2.88e-04	-5.40	0.0	-3.76	-8.54	-0.08	0.0	0.01	-0.46
		-6.72	-0.03	0.0	0.0	55.7	-3.76	-13.94	-0.08	0.0	-0.03	-6.72
34	106	-0.38	0.01	2.78e-04	-5.40	0.0	-3.91	-8.32	-0.08	0.0	0.01	-0.38
		-6.52	-0.03	0.0	0.0	55.7	-3.91	-13.72	-0.08	0.0	-0.03	-6.52
34	107	-0.25	0.02	3.76e-04	-9.27	0.0	-5.00	-10.67	-0.12	0.0	0.02	-0.25
		-8.77	-0.05	0.0	0.0	55.7	-5.00	-19.94	-0.12	0.0	-0.05	-8.77
34	108	-0.88	0.34	4.66e-04	-9.27	0.0	-16.70	-11.94	0.56	0.0	0.03	-0.88
		-10.09	0.03	1.04e-05	0.0	55.7	-16.70	-21.21	0.56	0.0	0.34	-10.09
34	111	0.39	5.02e-03	2.85e-04	-9.27	0.0	6.71	-9.40	-0.81	0.0	5.02e-03	0.39
		-7.45	-0.45	-9.38e-06	0.0	55.7	6.71	-18.67	-0.81	0.0	-0.45	-7.45
34	124	2.40	0.27	-2.66e-05	-9.27	0.0	-18.00	-0.01	0.45	0.0	0.01	2.40
		-0.18	0.01	-2.01e-05	0.0	55.7	-18.00	-9.28	0.45	0.0	0.27	-0.18
34	127	-2.90	0.02	7.71e-04	-9.27	0.0	8.00	-21.33	-0.70	0.0	0.02	-2.90
		-17.35	-0.37	2.12e-05	0.0	55.7	8.00	-30.60	-0.70	0.0	-0.37	-17.35
34	129	-3.86	0.03	9.12e-04	-9.27	0.0	3.21	-24.34	-0.40	0.0	0.03	-3.86
		-19.98	-0.20	3.05e-05	0.0	55.7	3.21	-33.61	-0.40	0.0	-0.20	-19.98
34	130	3.63	0.09	-1.61e-04	-9.27	0.0	-13.21	3.00	0.15	0.0	5.99e-03	3.63
		2.44	5.99e-03	-2.94e-05	0.0	55.7	-13.21	-6.27	0.15	0.0	0.09	2.44
34	140	-0.97	0.39	4.78e-04	-9.27	0.0	-18.16	-12.10	0.65	0.0	0.03	-0.97
		-10.25	0.03	1.23e-05	0.0	55.7	-18.16	-21.37	0.65	0.0	0.39	-10.25
34	143	0.47	3.68e-03	2.74e-04	-9.27	0.0	8.16	-9.24	-0.90	0.0	3.68e-03	0.47
		-7.29	-0.49	-1.12e-05	0.0	55.7	8.16	-18.51	-0.90	0.0	-0.49	-7.29
34	156	2.78	0.31	-6.96e-05	-9.27	0.0	-19.62	1.32	0.52	0.0	0.01	2.73
		0.89	0.01	-2.22e-05	0.0	55.7	-19.62	-7.95	0.52	0.0	0.31	0.89
34	159	-3.23	0.02	8.21e-04	-9.27	0.0	9.62	-22.66	-0.77	0.0	0.02	-3.23
		-18.43	-0.41	2.33e-05	0.0	55.7	9.62	-31.93	-0.77	0.0	-0.41	-18.43
34	161	-4.32	0.03	9.80e-04	-9.27	0.0	4.26	-26.06	-0.44	0.0	0.03	-4.32
		-21.39	-0.22	3.48e-05	0.0	55.7	4.26	-35.32	-0.44	0.0	-0.22	-21.39
34	162	4.48	0.11	-2.29e-04	-9.27	0.0	-14.26	4.71	0.19	0.0	4.76e-03	3.82
		3.82	4.76e-03	-3.38e-05	0.0	55.7	-14.26	-4.55	0.19	0.0	0.11	3.85
34	172	-0.96	0.37	4.77e-04	-9.27	0.0	-17.39	-12.00	0.61	0.0	0.03	-0.96
		-10.20	0.03	2.87e-05	0.0	55.7	-17.39	-21.27	0.61	0.0	0.37	-10.20
34	175	0.46	3.80e-03	2.74e-04	-9.27	0.0	7.39	-9.34	-0.86	0.0	3.80e-03	0.46
		-7.34	-0.47	-2.76e-05	0.0	55.7	7.39	-18.61	-0.86	0.0	-0.47	-7.34
34	188	2.75	0.29	-6.56e-05	-9.27	0.0	-19.23	1.21	0.50	0.0	0.01	2.71
		0.81	0.01	-1.36e-05	0.0	55.7	-19.23	-8.06	0.50	0.0	0.29	0.81
34	191	-3.21	0.02	8.17e-04	-9.27	0.0	9.23	-22.55	-0.75	0.0	0.02	-3.21
		-18.34	-0.40	1.47e-05	0.0	55.7	9.23	-31.82	-0.75	0.0	-0.40	-18.34
34	193	-4.30	0.03	9.77e-04	-9.27	0.0	4.34	-25.91	-0.44	0.0	0.03	-4.30
		-21.29	-0.22	3.94e-05	0.0	55.7	4.34	-35.18	-0.44	0.0	-0.22	-21.29
34	194	4.42	0.12	-2.26e-04	-9.27	0.0	-14.34	4.57	0.19	0.0	4.81e-03	3.80
		3.76	4.81e-03	-3.83e-05	0.0	55.7	-14.34	-4.70	0.19	0.0	0.12	3.76
34	204	-1.09	0.43	4.96e-04	-9.27	0.0	-19.09	-12.20	0.72	0.0	0.03	-1.09
		-10.43	0.03	4.33e-05	0.0	55.7	-19.09	-21.47	0.72	0.0	0.43	-10.43
34	207	0.59	1.79e-03	2.55e-04	-9.27	0.0	9.10	-9.14	-0.97	0.0	1.79e-03	0.59
		-7.11	-0.53	-4.22e-05	0.0	55.7	9.10	-18.41	-0.97	0.0	-0.53	-7.11
34	220	3.51	0.35	-1.39e-04	-9.27	0.0	-21.47	3.19	0.60	0.0	0.01	3.20
		2.40	0.01	-1.14e-05	0.0	55.7	-21.47	-6.08	0.60	0.0	0.35	2.40
34	223	-3.70	0.02	8.90e-04	-9.27	0.0	11.47	-24.53	-0.84	0.0	0.02	-3.70
		-19.94	-0.45	1.26e-05	0.0	55.7	11.47	-33.80	-0.84	0.0	-0.45	-19.94
34	225	-5.00	0.03	1.08e-03	-9.27	0.0	5.93	-28.50	-0.49	0.0	0.03	-5.00
		-23.43	-0.25	4.90e-05	0.0	55.7	5.93	-37.76	-0.49	0.0	-0.25	-23.43
34	226	6.03	0.14	-3.30e-04	-9.27	0.0	-15.93	7.15	0.24	0.0	2.85e-03	4.50
		4.50	2.85e-03	-4.80e-05	0.0	55.7	-15.93	-2.11	0.24	0.0	0.14	5.89
35	4	3.21	0.03	3.74e-04	-17.25	0.0	-4.09	3.53	0.04	0.0	2.69e-03	3.01
		0.18	2.69e-03	0.0	0.0	55.7	-4.09	-13.72	0.04	0.0	0.03	0.18
35	19	1.16	7.91e-03	1.10e-04	-4.84	0.0	-2.53	0.76	0.01	0.0	1.18e-03	1.13
		0.20	1.18e-03	0.0	0.0	55.7	-2.53	-4.08	0.01	0.0	7.91e-03	0.20
35	28	2.85	0.03	4.56e-04	-17.25	0.0	-3.20	2.76	0.05	0.0	3.59e-03	2.73
		-0.53	3.59e-03	-2.60e-06	0.0	55.7	-3.20	-14.49	0.05	0.0	0.03	-0.53
35	42	1.21	0.02	3.38e-04	-7.58	0.0	-1.85	-0.34	0.03	0.0	3.51e-03	1.21

		-1.09	3.51e-03	-4.00e-06	0.0	55.7	-1.85	-7.92	0.03	0.0	0.02	-1.09
35	45	0.66	0.01	2.46e-04	-4.84	0.0	-1.04	-0.52	0.02	0.0	2.68e-03	0.66
		-0.98	2.68e-03	-3.55e-06	0.0	55.7	-1.04	-5.37	0.02	0.0	0.01	-0.98
35	68	2.20	0.02	2.69e-04	-11.85	0.0	-2.92	2.29	0.03	0.0	2.04e-03	2.08
		0.06	2.04e-03	0.0	0.0	55.7	-2.92	-9.56	0.03	0.0	0.02	0.06
35	72	1.16	9.54e-03	1.42e-04	-5.40	0.0	-2.33	0.70	0.01	0.0	1.48e-03	1.13
		0.02	1.48e-03	0.0	0.0	55.7	-2.33	-4.70	0.01	0.0	9.54e-03	0.02
35	80	1.97	0.02	3.23e-04	-11.85	0.0	-2.33	1.77	0.03	0.0	2.64e-03	1.89
		-0.42	2.64e-03	-1.97e-06	0.0	55.7	-2.33	-10.07	0.03	0.0	0.02	-0.42
35	85	0.82	0.01	2.33e-04	-5.40	0.0	-1.34	-0.15	0.02	0.0	2.48e-03	0.82
		-0.77	2.48e-03	-2.90e-06	0.0	55.7	-1.34	-5.55	0.02	0.0	0.01	-0.77
35	86	0.88	0.01	2.44e-04	-5.40	0.0	-1.43	-0.29	0.02	0.0	2.59e-03	0.88
		-0.79	2.59e-03	-2.90e-06	0.0	55.7	-1.43	-5.69	0.02	0.0	0.01	-0.79
35	98	1.71	0.02	2.56e-04	-9.91	0.0	-2.30	1.60	0.03	0.0	2.19e-03	1.64
		-0.23	2.19e-03	-1.34e-06	0.0	55.7	-2.30	-8.31	0.03	0.0	0.02	-0.23
35	102	1.01	0.01	1.79e-04	-5.40	0.0	-1.90	0.36	0.02	0.0	1.92e-03	1.00
		-0.30	1.92e-03	-1.49e-06	0.0	55.7	-1.90	-5.04	0.02	0.0	0.01	-0.30
35	103	1.64	0.02	2.37e-04	-9.27	0.0	-2.33	1.50	0.02	0.0	2.06e-03	1.58
		-0.17	2.06e-03	-1.23e-06	0.0	55.7	-2.33	-7.77	0.02	0.0	0.02	-0.17
35	104	0.94	0.01	1.97e-04	-5.40	0.0	-1.71	0.19	0.02	0.0	2.12e-03	0.94
		-0.46	2.12e-03	-1.90e-06	0.0	55.7	-1.71	-5.21	0.02	0.0	0.01	-0.46
35	106	0.97	0.01	1.88e-04	-5.40	0.0	-1.80	0.27	0.02	0.0	2.02e-03	0.97
		-0.38	2.02e-03	-1.65e-06	0.0	55.7	-1.80	-5.13	0.02	0.0	0.01	-0.38
35	107	1.60	0.02	2.46e-04	-9.27	0.0	-2.23	1.41	0.02	0.0	2.17e-03	1.54
		-0.25	2.17e-03	-1.39e-06	0.0	55.7	-2.23	-7.86	0.02	0.0	0.02	-0.25
35	113	0.43	0.03	5.69e-04	-9.27	0.0	-6.49	-0.93	0.07	0.0	-7.55e-03	0.43
		-2.65	-7.55e-03	-7.95e-06	0.0	55.7	-6.49	-10.20	0.07	0.0	0.03	-2.65
35	124	3.21	0.01	-8.92e-05	-9.27	0.0	-9.90	4.07	0.02	0.0	2.91e-03	2.72
		2.40	2.91e-03	-2.99e-05	0.0	55.7	-9.90	-5.20	0.02	0.0	0.01	2.40
35	127	0.37	0.02	5.81e-04	-9.27	0.0	5.45	-1.25	0.03	0.0	1.42e-03	0.37
		-2.90	1.42e-03	2.72e-05	0.0	55.7	5.45	-10.52	0.03	0.0	0.02	-2.90
35	129	-0.11	0.03	7.11e-04	-9.27	0.0	2.66	-2.12	0.04	0.0	-2.77e-03	-0.11
		-3.86	-2.77e-03	2.53e-05	0.0	55.7	2.66	-11.39	0.04	0.0	0.03	-3.86
35	130	3.92	7.11e-03	-2.19e-04	-9.27	0.0	-7.11	4.94	3.72e-03	0.0	7.11e-03	3.20
		3.20	5.99e-03	-2.81e-05	0.0	55.7	-7.11	-4.32	3.72e-03	0.0	5.99e-03	3.36
35	133	0.19	0.03	6.77e-04	-9.27	0.0	-1.28	-1.98	0.07	0.0	-4.54e-03	0.19
		-3.49	-4.54e-03	-3.08e-05	0.0	55.7	-1.28	-11.25	0.07	0.0	0.03	-3.49
35	145	0.29	0.03	6.10e-04	-9.27	0.0	-7.03	-1.22	0.08	0.0	-8.76e-03	0.29
		-2.95	-8.76e-03	-8.22e-06	0.0	55.7	-7.03	-10.49	0.08	0.0	0.03	-2.95
35	156	3.44	0.01	-1.31e-04	-9.27	0.0	-10.86	4.40	0.02	0.0	3.00e-03	2.86
		2.73	3.00e-03	-3.32e-05	0.0	55.7	-10.86	-4.87	0.02	0.0	0.01	2.73
35	159	0.23	0.02	6.23e-04	-9.27	0.0	6.41	-1.58	0.03	0.0	1.34e-03	0.23
		-3.23	1.34e-03	3.04e-05	0.0	55.7	6.41	-10.85	0.03	0.0	0.02	-3.23
35	161	-0.32	0.03	7.69e-04	-9.27	0.0	3.29	-2.57	0.05	0.0	-3.37e-03	-0.32
		-4.32	-3.37e-03	2.92e-05	0.0	55.7	3.29	-11.84	0.05	0.0	0.03	-4.32
35	162	4.27	7.70e-03	-2.78e-04	-9.27	0.0	-7.74	5.39	1.14e-03	0.0	7.70e-03	3.41
		3.41	4.76e-03	-3.20e-05	0.0	55.7	-7.74	-3.88	1.14e-03	0.0	4.76e-03	3.82
35	165	0.02	0.03	7.31e-04	-9.27	0.0	-1.18	-2.40	0.07	0.0	-5.37e-03	0.02
		-3.89	-5.37e-03	-3.42e-05	0.0	55.7	-1.18	-11.67	0.07	0.0	0.03	-3.89
35	177	0.31	0.03	6.06e-04	-9.27	0.0	-6.68	-1.20	0.07	0.0	-8.26e-03	0.31
		-2.92	-8.26e-03	7.99e-06	0.0	55.7	-6.68	-10.46	0.07	0.0	0.03	-2.92
35	188	3.43	0.01	-1.28e-04	-9.27	0.0	-10.63	4.37	0.02	0.0	2.96e-03	2.86
		2.71	2.96e-03	-2.48e-05	0.0	55.7	-10.63	-4.90	0.02	0.0	0.01	2.71
35	191	0.23	0.02	6.20e-04	-9.27	0.0	6.18	-1.55	0.03	0.0	1.38e-03	0.23
		-3.21	1.38e-03	2.21e-05	0.0	55.7	6.18	-10.81	0.03	0.0	0.02	-3.21
35	193	-0.31	0.03	7.68e-04	-9.27	0.0	3.34	-2.55	0.05	0.0	-3.03e-03	-0.31
		-4.30	-3.03e-03	3.33e-05	0.0	55.7	3.34	-11.82	0.05	0.0	0.03	-4.30
35	194	4.26	7.37e-03	-2.76e-04	-9.27	0.0	-7.79	5.37	1.83e-03	0.0	7.37e-03	3.40
		3.40	4.81e-03	-3.60e-05	0.0	55.7	-7.79	-3.90	1.83e-03	0.0	4.81e-03	3.80
35	197	0.05	0.03	7.21e-04	-9.27	0.0	-1.31	-2.33	0.07	0.0	-5.07e-03	0.05
		-3.81	-5.07e-03	-2.62e-05	0.0	55.7	-1.31	-11.60	0.07	0.0	0.03	-3.81
35	209	0.11	0.04	6.67e-04	-9.27	0.0	-7.25	-1.64	0.08	0.0	-9.81e-03	0.11
		-3.36	-9.81e-03	1.92e-05	0.0	55.7	-7.25	-10.91	0.08	0.0	0.04	-3.36
35	220	3.79	0.01	-1.90e-04	-9.27	0.0	-11.96	4.86	0.02	0.0	3.08e-03	3.08
		3.08	3.08e-03	-2.44e-05	0.0	55.7	-11.96	-4.41	0.02	0.0	0.01	3.20
35	223	0.01	0.02	6.82e-04	-9.27	0.0	7.51	-2.04	0.03	0.0	1.26e-03	0.01
		-3.70	1.26e-03	2.17e-05	0.0	55.7	7.51	-11.30	0.03	0.0	0.02	-3.70
35	225	-0.63	0.03	8.58e-04	-9.27	0.0	4.29	-3.23	0.05	0.0	-3.80e-03	-0.63
		-5.00	-3.80e-03	4.20e-05	0.0	55.7	4.29	-12.50	0.05	0.0	0.03	-5.00
35	226	4.81	8.14e-03	-3.67e-04	-9.27	0.0	-8.74	6.05	-2.03e-03	0.0	8.14e-03	3.72
		3.72	2.85e-03	-4.47e-05	0.0	55.7	-8.74	-3.22	-2.03e-03	0.0	2.85e-03	4.50
35	229	-0.18	0.04	7.97e-04	-9.27	0.0	-1.20	-2.93	0.08	0.0	-6.17e-03	-0.18
		-4.38	-6.17e-03	-2.61e-05	0.0	55.7	-1.20	-12.20	0.08	0.0	0.04	-4.38
36	4	3.18	0.06	2.27e-04	-17.25	0.0	-1.04	14.05	-0.11	0.0	0.06	-9.98e-03
		-9.98e-03	2.69e-03	-1.02e-06	0.0	55.7	-1.04	-3.19	-0.11	0.0	2.69e-03	3.01

36	18	2.78	0.05	1.76e-04	-14.35	0.0	-1.07	12.00	-0.08	0.0	0.05	-9.06e-03
		-9.06e-03	2.26e-03	0.0	0.0	55.7	-1.07	-2.35	-0.08	0.0	2.26e-03	2.68
36	19	1.13	0.01	5.81e-05	-4.84	0.0	-0.69	4.45	-0.02	0.0	0.01	-4.48e-03
		-4.48e-03	1.18e-03	0.0	0.0	55.7	-0.69	-0.39	-0.02	0.0	1.18e-03	1.13
36	28	2.95	0.08	3.09e-04	-17.25	0.0	-0.74	13.55	-0.14	0.0	0.08	-9.85e-03
		-9.85e-03	3.59e-03	-2.85e-06	0.0	55.7	-0.74	-3.70	-0.14	0.0	3.59e-03	2.73
36	45	0.75	0.05	1.94e-04	-4.84	0.0	-0.18	3.62	-0.08	0.0	0.05	-4.26e-03
		-4.26e-03	2.68e-03	-3.77e-06	0.0	55.7	-0.18	-1.22	-0.08	0.0	2.68e-03	0.66
36	68	2.19	0.05	1.66e-04	-11.85	0.0	-0.74	9.67	-0.08	0.0	0.05	-7.12e-03
		-7.12e-03	2.04e-03	0.0	0.0	55.7	-0.74	-2.17	-0.08	0.0	2.04e-03	2.08
36	72	1.15	0.02	8.62e-05	-5.40	0.0	-0.61	4.74	-0.04	0.0	0.02	-4.65e-03
		-4.65e-03	1.48e-03	0.0	0.0	55.7	-0.61	-0.66	-0.04	0.0	1.48e-03	1.13
36	75	1.93	0.04	1.32e-04	-9.91	0.0	-0.76	8.31	-0.06	0.0	0.04	-6.51e-03
		-6.51e-03	1.76e-03	0.0	0.0	55.7	-0.76	-1.61	-0.06	0.0	1.76e-03	1.86
36	80	2.04	0.06	2.20e-04	-11.85	0.0	-0.54	9.34	-0.10	0.0	0.06	-7.03e-03
		-7.03e-03	2.64e-03	-2.16e-06	0.0	55.7	-0.54	-2.51	-0.10	0.0	2.64e-03	1.89
36	85	0.90	0.04	1.77e-04	-5.40	0.0	-0.28	4.19	-0.07	0.0	0.04	-4.51e-03
		-4.51e-03	2.48e-03	-3.10e-06	0.0	55.7	-0.28	-1.21	-0.07	0.0	2.48e-03	0.82
36	98	1.75	0.04	1.69e-04	-9.91	0.0	-0.57	7.91	-0.08	0.0	0.04	-6.09e-03
		-6.09e-03	2.19e-03	-1.51e-06	0.0	55.7	-0.57	-2.00	-0.08	0.0	2.19e-03	1.64
36	102	1.04	0.03	1.23e-04	-5.40	0.0	-0.47	4.51	-0.05	0.0	0.03	-4.59e-03
		-4.59e-03	1.92e-03	-1.65e-06	0.0	55.7	-0.47	-0.89	-0.05	0.0	1.92e-03	1.00
36	103	1.67	0.04	1.55e-04	-9.27	0.0	-0.59	7.48	-0.07	0.0	0.04	-5.89e-03
		-5.89e-03	2.06e-03	-1.39e-06	0.0	55.7	-0.59	-1.79	-0.07	0.0	2.06e-03	1.58
36	104	0.99	0.03	1.41e-04	-5.40	0.0	-0.41	4.40	-0.06	0.0	0.03	-4.56e-03
		-4.56e-03	2.12e-03	-2.07e-06	0.0	55.7	-0.41	-1.00	-0.06	0.0	2.12e-03	0.94
36	105	1.62	0.04	1.73e-04	-9.27	0.0	-0.52	7.37	-0.08	0.0	0.04	-5.86e-03
		-5.86e-03	2.26e-03	-1.81e-06	0.0	55.7	-0.52	-1.90	-0.08	0.0	2.26e-03	1.52
36	106	1.02	0.03	1.32e-04	-5.40	0.0	-0.44	4.45	-0.05	0.0	0.03	-4.58e-03
		-4.58e-03	2.02e-03	-1.82e-06	0.0	55.7	-0.44	-0.95	-0.05	0.0	2.02e-03	0.97
36	107	1.65	0.04	1.64e-04	-9.27	0.0	-0.55	7.42	-0.07	0.0	0.04	-5.87e-03
		-5.87e-03	2.17e-03	-1.55e-06	0.0	55.7	-0.55	-1.85	-0.07	0.0	2.17e-03	1.54
36	108	1.37	-5.31e-03	2.62e-04	-9.27	0.0	-2.95	6.76	0.19	0.0	-0.11	1.75e-03
		1.75e-03	-0.11	-2.25e-05	0.0	55.7	-2.95	-2.51	0.19	0.0	-5.31e-03	1.19
36	111	1.95	0.20	6.58e-05	-9.27	0.0	1.85	8.08	-0.33	0.0	0.20	-0.01
		-0.01	9.65e-03	1.94e-05	0.0	55.7	1.85	-1.19	-0.33	0.0	9.65e-03	1.90
36	124	2.72	2.91e-03	-1.76e-04	-9.27	0.0	-3.23	9.52	0.11	0.0	-0.06	-6.28e-03
		-6.28e-03	-0.06	-3.76e-05	0.0	55.7	-3.23	0.25	0.11	0.0	2.91e-03	2.72
36	127	0.84	0.15	5.04e-04	-9.27	0.0	2.13	5.32	-0.25	0.0	0.15	-5.46e-03
		-5.46e-03	1.42e-03	3.45e-05	0.0	55.7	2.13	-3.95	-0.25	0.0	1.42e-03	0.37
36	129	0.59	0.08	6.38e-04	-9.27	0.0	1.15	4.45	-0.14	0.0	0.08	-3.58e-04
		-0.11	-2.77e-03	2.23e-05	0.0	55.7	1.15	-4.82	-0.14	0.0	-2.77e-03	-0.11
36	130	3.20	7.11e-03	-3.10e-04	-9.27	0.0	-2.25	10.39	-7.00e-03	0.0	4.51e-03	-0.01
		-0.01	4.51e-03	-2.54e-05	0.0	55.7	-2.25	1.13	-7.00e-03	0.0	7.11e-03	3.20
36	140	1.34	-6.25e-03	2.74e-04	-9.27	0.0	-3.25	6.68	0.22	0.0	-0.13	2.71e-03
		2.71e-03	-0.13	-2.46e-05	0.0	55.7	-3.25	-2.59	0.22	0.0	-6.25e-03	1.14
36	143	1.99	0.22	5.33e-05	-9.27	0.0	2.15	8.16	-0.36	0.0	0.22	-0.01
		-0.01	0.01	2.15e-05	0.0	55.7	2.15	-1.11	-0.36	0.0	0.01	1.95
36	156	2.86	3.00e-03	-2.19e-04	-9.27	0.0	-3.56	9.78	0.13	0.0	-0.08	-6.34e-03
		-6.34e-03	-0.08	-4.18e-05	0.0	55.7	-3.56	0.52	0.13	0.0	3.00e-03	2.86
36	159	0.76	0.16	5.47e-04	-9.27	0.0	2.46	5.06	-0.27	0.0	0.16	-5.40e-03
		-5.40e-03	1.34e-03	3.87e-05	0.0	55.7	2.46	-4.21	-0.27	0.0	1.34e-03	0.23
36	161	0.50	0.09	6.98e-04	-9.27	0.0	1.36	4.07	-0.15	0.0	0.09	3.65e-04
		-0.32	-3.37e-03	2.58e-05	0.0	55.7	1.36	-5.20	-0.15	0.0	-3.37e-03	-0.32
36	162	3.41	7.70e-03	-3.70e-04	-9.27	0.0	-2.46	10.77	1.39e-03	0.0	-3.61e-04	-0.01
		-0.01	-3.61e-04	-2.89e-05	0.0	55.7	-2.46	1.50	1.39e-03	0.0	7.70e-03	3.41
36	172	1.35	-5.85e-03	2.74e-04	-9.27	0.0	-3.09	6.70	0.21	0.0	-0.12	2.70e-03
		2.70e-03	-0.12	-8.75e-06	0.0	55.7	-3.09	-2.57	0.21	0.0	-5.85e-03	1.15
36	175	1.97	0.21	5.36e-05	-9.27	0.0	1.99	8.14	-0.35	0.0	0.21	-0.01
		-0.01	0.01	5.65e-06	0.0	55.7	1.99	-1.13	-0.35	0.0	0.01	1.94
36	188	2.86	2.96e-03	-2.16e-04	-9.27	0.0	-3.48	9.77	0.12	0.0	-0.07	-6.39e-03
		-6.39e-03	-0.07	-3.39e-05	0.0	55.7	-3.48	0.51	0.12	0.0	2.96e-03	2.86
36	191	0.76	0.16	5.44e-04	-9.27	0.0	2.38	5.07	-0.27	0.0	0.16	-5.35e-03
		-5.35e-03	1.38e-03	3.08e-05	0.0	55.7	2.38	-4.20	-0.27	0.0	1.38e-03	0.23
36	193	0.50	0.09	6.96e-04	-9.27	0.0	1.38	4.08	-0.15	0.0	0.09	5.09e-04
		-0.31	-3.03e-03	2.90e-05	0.0	55.7	1.38	-5.19	-0.15	0.0	-3.03e-03	-0.31
36	194	3.40	7.37e-03	-3.69e-04	-9.27	0.0	-2.48	10.76	2.00e-03	0.0	-6.95e-04	-0.01
		-0.01	-6.95e-04	-3.21e-05	0.0	55.7	-2.48	1.49	2.00e-03	0.0	7.37e-03	3.40
36	204	1.30	-7.04e-03	2.94e-04	-9.27	0.0	-3.44	6.58	0.25	0.0	-0.15	4.20e-03
		4.20e-03	-0.15	0.0	0.0	55.7	-3.44	-2.69	0.25	0.0	-7.04e-03	1.09
36	207	2.03	0.23	3.39e-05	-9.27	0.0	2.34	8.26	-0.39	0.0	0.23	-0.02
		-0.02	0.01	-3.07e-06	0.0	55.7	2.34	-1.01	-0.39	0.0	0.01	2.00
36	220	3.08	3.08e-03	-2.80e-04	-9.27	0.0	-3.94	10.17	0.15	0.0	-0.09	-6.54e-03
		-6.54e-03	-0.09	-3.54e-05	0.0	55.7	-3.94	0.90	0.15	0.0	3.08e-03	3.08
36	223	0.65	0.17	6.07e-04	-9.27	0.0	2.84	4.67	-0.30	0.0	0.17	-5.20e-03

		-5.20e-03	1.26e-03	3.23e-05	0.0	55.7	2.84	-4.60	-0.30	0.0	1.26e-03	0.01
36	225	0.37	0.09	7.89e-04	-9.27	0.0	1.71	3.51	-0.16	0.0	0.09	1.78e-03
		-0.63	-3.80e-03	3.66e-05	0.0	55.7	1.71	-5.76	-0.16	0.0	-3.80e-03	-0.63
36	226	3.72	8.14e-03	-4.61e-04	-9.27	0.0	-2.81	11.33	0.01	0.0	-7.70e-03	-0.01
		-0.01	-7.70e-03	-3.97e-05	0.0	55.7	-2.81	2.07	0.01	0.0	8.14e-03	3.72
37	4	-6.82	-1.80e-04	-3.15e-05	-31.23	0.0	-5.85	15.79	-5.48e-04	1.26e-03	-1.80e-04	-8.96
		-8.96	-5.96e-04	0.0	0.0	53.6	-5.85	-15.44	-5.48e-04	1.26e-03	-5.96e-04	-8.87
37	19	-2.37	-5.06e-05	-8.45e-06	-8.14	0.0	-1.89	4.11	-2.22e-04	5.88e-04	-5.06e-05	-2.93
		-2.93	-2.29e-04	0.0	0.0	53.6	-1.89	-4.03	-2.22e-04	5.88e-04	-2.29e-04	-2.90
37	28	-7.16	-2.58e-04	-2.72e-05	-31.23	0.0	-7.02	16.17	-1.65e-04	1.17e-03	-2.58e-04	-9.40
		-9.40	-4.62e-04	0.0	0.0	53.6	-7.02	-15.06	-1.65e-04	1.17e-03	-4.62e-04	-9.11
37	45	-2.92	-6.86e-06	1.49e-05	-8.14	0.0	-3.84	4.74	4.17e-04	4.23e-04	-1.81e-04	-3.66
		-3.66	-1.81e-04	0.0	0.0	53.6	-3.84	-3.40	4.17e-04	4.23e-04	-6.86e-06	-3.30
37	68	-4.81	-1.34e-04	-2.11e-05	-21.47	0.0	-4.18	10.90	-3.46e-04	8.94e-04	-1.34e-04	-6.29
		-6.29	-4.06e-04	0.0	0.0	53.6	-4.18	-10.57	-3.46e-04	8.94e-04	-4.06e-04	-6.20
37	72	-2.64	-7.67e-05	-8.00e-06	-8.98	0.0	-2.30	4.64	-1.40e-04	5.84e-04	-7.67e-05	-3.28
		-3.28	-2.12e-04	0.0	0.0	53.6	-2.30	-4.34	-1.40e-04	5.84e-04	-2.12e-04	-3.20
37	80	-5.03	-1.86e-04	-1.83e-05	-21.47	0.0	-4.96	11.15	-9.08e-05	8.28e-04	-1.86e-04	-6.58
		-6.58	-3.17e-04	0.0	0.0	53.6	-4.96	-10.32	-9.08e-05	8.28e-04	-3.17e-04	-6.36
37	85	-3.01	-6.33e-05	1.27e-05	-8.98	0.0	-3.60	5.06	2.86e-04	4.74e-04	-1.63e-04	-3.77
		-3.77	-1.63e-04	0.0	0.0	53.6	-3.60	-3.92	2.86e-04	4.74e-04	-6.33e-05	-3.46
37	98	-4.12	-1.46e-04	-1.58e-05	-17.72	0.0	-3.88	9.17	-1.38e-04	7.14e-04	-1.46e-04	-5.39
		-5.39	-2.92e-04	0.0	0.0	53.6	-3.88	-8.55	-1.38e-04	7.14e-04	-2.92e-04	-5.23
37	102	-2.79	-1.12e-04	6.82e-06	-8.98	0.0	-2.73	4.81	1.85e-05	5.33e-04	-1.12e-04	-3.48
		-3.48	-1.58e-04	0.0	0.0	53.6	-2.73	-4.17	1.85e-05	5.33e-04	-1.58e-04	-3.31
37	105	-3.97	-1.51e-04	-1.39e-05	-16.47	0.0	-3.88	8.59	-6.48e-05	6.77e-04	-1.51e-04	-5.18
		-5.18	-2.54e-04	0.0	0.0	53.6	-3.88	-7.88	-6.48e-05	6.77e-04	-2.54e-04	-4.98
37	106	-2.83	-1.21e-04	7.79e-06	-8.98	0.0	-2.84	4.85	5.81e-05	5.20e-04	-1.21e-04	-3.53
		-3.53	-1.45e-04	0.0	0.0	53.6	-2.84	-4.13	5.81e-05	5.20e-04	-1.45e-04	-3.33
37	107	-3.94	-1.43e-04	-1.44e-05	-16.47	0.0	-3.73	8.55	-1.10e-04	6.87e-04	-1.43e-04	-5.13
		-5.13	-2.71e-04	0.0	0.0	53.6	-3.73	-7.92	-1.10e-04	6.87e-04	-2.71e-04	-4.96
37	108	-4.00	-1.06e-03	-1.76e-05	-16.47	0.0	-3.76	7.60	-9.58e-03	0.02	-1.06e-03	-5.06
		-5.14	-5.49e-03	1.10e-04	0.0	53.6	-3.76	-8.87	-9.58e-03	0.02	-5.49e-03	-5.14
37	111	-3.87	4.95e-03	1.53e-05	-16.47	0.0	-3.70	9.51	9.36e-03	-0.02	7.76e-04	-5.20
		-5.20	7.76e-04	-1.11e-04	0.0	53.6	-3.70	-6.96	9.36e-03	-0.02	4.95e-03	-4.77
37	129	-5.34	1.31e-03	3.48e-05	-16.47	0.0	-6.55	10.44	3.40e-03	0.02	-9.26e-04	-7.16
		-7.16	-9.26e-04	2.18e-05	0.0	53.6	-6.55	-6.03	3.40e-03	0.02	1.31e-03	-5.90
37	134	-2.36	5.92e-04	-2.80e-05	-16.47	0.0	-0.89	6.95	-3.90e-04	2.55e-03	5.92e-04	-3.12
		-3.88	-2.91e-04	-4.67e-05	0.0	53.6	-0.89	-9.52	-3.90e-04	2.55e-03	-2.91e-04	-3.88
37	137	-5.40	1.79e-04	3.16e-05	-16.47	0.0	-6.57	10.16	7.10e-04	-1.24e-03	-8.29e-04	-7.14
		-7.14	-8.29e-04	4.89e-05	0.0	53.6	-6.57	-6.31	7.10e-04	-1.24e-03	1.79e-04	-6.02
37	138	-2.37	5.44e-04	-2.80e-05	-16.47	0.0	-0.89	6.94	-9.30e-04	2.61e-03	5.44e-04	-3.12
		-3.90	-7.20e-04	-4.95e-05	0.0	53.6	-0.89	-9.53	-9.30e-04	2.61e-03	-7.20e-04	-3.90
37	140	-4.01	-1.17e-03	-1.80e-05	-16.47	0.0	-3.77	7.48	-0.01	0.03	-1.17e-03	-5.05
		-5.17	-6.12e-03	1.24e-04	0.0	53.6	-3.77	-8.99	-0.01	0.03	-6.12e-03	-5.17
37	143	-3.86	5.58e-03	1.61e-05	-16.47	0.0	-3.69	9.62	0.01	-0.02	8.84e-04	-5.20
		-5.20	8.84e-04	-1.25e-04	0.0	53.6	-3.69	-6.85	0.01	-0.02	5.58e-03	-4.74
37	161	-5.51	1.51e-03	3.82e-05	-16.47	0.0	-6.90	10.68	3.85e-03	0.02	-1.02e-03	-7.42
		-7.42	-1.02e-03	2.49e-05	0.0	53.6	-6.90	-5.79	3.85e-03	0.02	1.51e-03	-6.01
37	166	-2.16	6.81e-04	-2.99e-05	-16.47	0.0	-0.53	6.75	-4.14e-04	2.81e-03	6.81e-04	-2.87
		-3.75	-2.90e-04	-5.31e-05	0.0	53.6	-0.53	-9.72	-4.14e-04	2.81e-03	-2.90e-04	-3.75
37	169	-5.58	2.40e-04	3.45e-05	-16.47	0.0	-6.93	10.36	8.14e-04	-1.47e-03	-9.14e-04	-7.39
		-7.39	-9.14e-04	5.63e-05	0.0	53.6	-6.93	-6.11	8.14e-04	-1.47e-03	2.40e-04	-6.15
37	170	-2.17	6.29e-04	-3.00e-05	-16.47	0.0	-0.53	6.74	-1.03e-03	2.84e-03	6.29e-04	-2.87
		-3.76	-7.81e-04	-5.69e-05	0.0	53.6	-0.53	-9.73	-1.03e-03	2.84e-03	-7.81e-04	-3.76
37	172	-4.01	-1.10e-03	-1.79e-05	-16.47	0.0	-3.78	7.52	-9.95e-03	0.02	-1.10e-03	-5.06
		-5.17	-5.65e-03	1.36e-04	0.0	53.6	-3.78	-8.95	-9.95e-03	0.02	-5.65e-03	-5.17
37	175	-3.85	5.11e-03	1.59e-05	-16.47	0.0	-3.68	9.58	9.73e-03	-0.02	8.14e-04	-5.19
		-5.19	8.14e-04	-1.36e-04	0.0	53.6	-3.68	-6.89	9.73e-03	-0.02	5.11e-03	-4.74
37	193	-5.49	1.55e-03	3.79e-05	-16.47	0.0	-6.88	10.66	3.91e-03	0.02	-1.02e-03	-7.40
		-7.40	-1.02e-03	2.75e-05	0.0	53.6	-6.88	-5.81	3.91e-03	0.02	1.55e-03	-6.01
37	198	-2.19	6.44e-04	-2.96e-05	-16.47	0.0	-0.59	6.77	-3.02e-04	2.86e-03	6.44e-04	-2.91
		-3.77	-2.61e-04	-6.00e-05	0.0	53.6	-0.59	-9.70	-3.02e-04	2.86e-03	-2.61e-04	-3.77
37	201	-5.56	2.07e-04	3.41e-05	-16.47	0.0	-6.88	10.33	6.81e-04	-1.18e-03	-8.96e-04	-7.35
		-7.35	-8.96e-04	6.70e-05	0.0	53.6	-6.88	-6.14	6.81e-04	-1.18e-03	2.07e-04	-6.14
37	202	-2.19	6.10e-04	-2.98e-05	-16.47	0.0	-0.58	6.77	-9.02e-04	2.56e-03	6.10e-04	-2.90
		-3.78	-7.49e-04	-6.75e-05	0.0	53.6	-0.58	-9.70	-9.02e-04	2.56e-03	-7.49e-04	-3.78
37	204	-4.03	-1.25e-03	-1.84e-05	-16.47	0.0	-3.80	7.36	-0.01	0.03	-1.25e-03	-5.05
		-5.22	-6.40e-03	1.66e-04	0.0	53.6	-3.80	-9.11	-0.01	0.03	-6.40e-03	-5.22
37	207	-3.83	5.86e-03	1.70e-05	-16.47	0.0	-3.66	9.74	0.01	-0.03	9.66e-04	-5.20
		-5.20	9.66e-04	-1.66e-04	0.0	53.6	-3.66	-6.73	0.01	-0.03	5.86e-03	-4.70
37	225	-5.74	1.86e-03	4.28e-05	-16.47	0.0	-7.41	11.00	4.59e-03	0.02	-1.18e-03	-7.78
		-7.78	-1.18e-03	3.40e-05	0.0	53.6	-7.41	-5.47	4.59e-03	0.02	1.86e-03	-6.19
37	226	-1.91	8.97e-04	-3.55e-05	-16.47	0.0	-0.05	6.10	-4.81e-03	-0.02	8.97e-04	-2.47
		-3.72	-2.40e-03	-3.46e-05	0.0	53.6	-0.05	-10.37	-4.81e-03	-0.02	-2.40e-03	-3.72

37	234	-1.89	7.43e-04	-3.27e-05	-16.47	0.0	-0.06	6.49	-9.54e-04	2.69e-03	7.43e-04	-2.54
		-3.58	-8.04e-04	-8.57e-05	0.0	53.6	-0.06	-9.98	-9.54e-04	2.69e-03	-8.04e-04	-3.58
38	19	-2.54	6.84e-04	9.25e-06	-8.14	0.0	-1.76	4.74	-1.23e-03	6.84e-04	6.84e-04	-3.28
		-3.28	-2.61e-05	0.0	0.0	53.6	-1.76	-3.40	-1.23e-03	6.84e-04	-2.61e-05	-2.93
38	28	-7.99	1.99e-03	4.35e-05	-31.23	0.0	-5.99	18.39	-3.94e-03	1.58e-03	1.99e-03	-10.89
		-10.89	-2.12e-04	0.0	0.0	53.6	-5.99	-12.85	-3.94e-03	1.58e-03	-2.12e-04	-9.40
38	44	-7.29	1.78e-03	4.33e-05	-25.62	0.0	-5.88	15.54	-3.61e-03	1.35e-03	1.78e-03	-9.82
		-9.82	-2.27e-04	0.0	0.0	53.6	-5.88	-10.07	-3.61e-03	1.35e-03	-2.27e-04	-8.35
38	72	-2.89	7.52e-04	1.29e-05	-8.98	0.0	-2.08	5.37	-1.41e-03	6.98e-04	7.52e-04	-3.76
		-3.76	-5.25e-05	0.0	0.0	53.6	-2.08	-3.60	-1.41e-03	6.98e-04	-5.25e-05	-3.28
38	80	-5.63	1.40e-03	3.09e-05	-21.47	0.0	-4.25	12.70	-2.78e-03	1.11e-03	1.40e-03	-7.64
		-7.64	-1.53e-04	0.0	0.0	53.6	-4.25	-8.76	-2.78e-03	1.11e-03	-1.53e-04	-6.58
38	88	-5.16	1.26e-03	3.08e-05	-17.72	0.0	-4.17	10.81	-2.56e-03	9.61e-04	1.26e-03	-6.93
		-6.93	-1.63e-04	0.0	0.0	53.6	-4.17	-6.91	-2.56e-03	9.61e-04	-1.63e-04	-5.88
38	98	-4.59	1.17e-03	2.41e-05	-17.72	0.0	-3.32	10.42	-2.29e-03	9.47e-04	1.17e-03	-6.23
		-6.23	-1.18e-04	0.0	0.0	53.6	-3.32	-7.30	-2.29e-03	9.47e-04	-1.18e-04	-5.39
38	102	-3.14	7.87e-04	1.75e-05	-8.98	0.0	-2.39	5.63	-1.56e-03	6.57e-04	7.87e-04	-4.09
		-4.09	-9.04e-05	0.0	0.0	53.6	-2.39	-3.34	-1.56e-03	6.57e-04	-9.04e-05	-3.48
38	105	-4.46	1.12e-03	2.45e-05	-16.47	0.0	-3.34	9.81	-2.23e-03	8.93e-04	1.12e-03	-6.02
		-6.02	-1.24e-04	0.0	0.0	53.6	-3.34	-6.66	-2.23e-03	8.93e-04	-1.24e-04	-5.18
38	106	-3.21	7.96e-04	1.86e-05	-8.98	0.0	-2.47	5.70	-1.60e-03	6.47e-04	7.96e-04	-4.18
		-4.18	-9.99e-05	0.0	0.0	53.6	-2.47	-3.28	-1.60e-03	6.47e-04	-9.99e-05	-3.53
38	107	-4.39	1.11e-03	2.33e-05	-16.47	0.0	-3.20	9.75	-2.19e-03	9.04e-04	1.11e-03	-5.94
		-5.94	-1.15e-04	0.0	0.0	53.6	-3.20	-6.72	-2.19e-03	9.04e-04	-1.15e-04	-5.13
38	113	-5.69	-5.50e-04	3.75e-05	-16.47	0.0	-3.71	10.00	-0.01	0.02	-5.50e-04	-7.66
		-7.66	-3.09e-03	1.01e-04	0.0	53.6	-3.71	-6.47	-0.01	0.02	-3.09e-03	-6.18
38	115	-4.52	3.61e-03	2.67e-05	-16.47	0.0	-3.29	11.06	4.88e-03	-0.02	3.61e-03	-6.17
		-6.17	2.24e-03	-9.51e-05	0.0	53.6	-3.29	-5.41	4.88e-03	-0.02	2.24e-03	-5.19
38	129	-6.95	1.60e-03	5.74e-05	-16.47	0.0	-4.35	12.83	3.14e-03	0.02	1.33e-03	-9.63
		-9.63	1.33e-03	2.21e-05	0.0	53.6	-4.35	-3.64	3.14e-03	0.02	1.60e-03	-7.16
38	130	-1.53	8.91e-04	-2.65e-05	-16.47	0.0	-2.05	6.66	-7.52e-03	-0.01	8.91e-04	-2.25
		-3.09	-1.83e-03	-2.26e-05	0.0	53.6	-2.05	-9.81	-7.52e-03	-0.01	-1.83e-03	-3.09
38	145	-5.85	-7.55e-04	3.92e-05	-16.47	0.0	-3.78	10.04	-0.01	0.02	-7.55e-04	-7.88
		-7.88	-3.46e-03	1.14e-04	0.0	53.6	-3.78	-6.43	-0.01	0.02	-3.46e-03	-6.31
38	147	-4.53	3.92e-03	2.71e-05	-16.47	0.0	-3.30	11.22	5.76e-03	-0.03	3.92e-03	-6.20
		-6.20	2.53e-03	-1.07e-04	0.0	53.6	-3.30	-5.25	5.76e-03	-0.03	2.53e-03	-5.19
38	161	-7.25	1.82e-03	6.17e-05	-16.47	0.0	-4.49	13.22	3.81e-03	0.02	1.36e-03	-10.09
		-10.09	1.36e-03	2.54e-05	0.0	53.6	-4.49	-3.25	3.81e-03	0.02	1.82e-03	-7.42
38	162	-1.14	8.63e-04	-2.93e-05	-16.47	0.0	-1.90	6.27	-8.19e-03	-0.02	8.63e-04	-1.79
		-2.83	-2.05e-03	-2.59e-05	0.0	53.6	-1.90	-10.20	-8.19e-03	-0.02	-2.05e-03	-2.83
38	179	-4.52	3.76e-03	2.71e-05	-16.47	0.0	-3.31	11.18	5.38e-03	-0.03	3.76e-03	-6.19
		-6.19	2.43e-03	-1.17e-04	0.0	53.6	-3.31	-5.29	5.38e-03	-0.03	2.43e-03	-5.18
38	187	-4.48	3.40e-03	2.62e-05	-16.47	0.0	-3.28	10.00	-0.01	-0.03	3.40e-03	-6.12
		-6.12	-3.35e-03	-1.40e-04	0.0	53.6	-3.28	-6.47	-0.01	-0.03	-3.35e-03	-5.16
38	193	-7.22	1.81e-03	6.12e-05	-16.47	0.0	-4.47	13.17	3.62e-03	0.02	1.33e-03	-10.04
		-10.04	1.33e-03	2.85e-05	0.0	53.6	-4.47	-3.30	3.62e-03	0.02	1.81e-03	-7.40
38	194	-1.18	8.92e-04	-2.90e-05	-16.47	0.0	-1.92	6.32	-8.00e-03	-0.02	8.92e-04	-1.83
		-2.85	-2.04e-03	-2.90e-05	0.0	53.6	-1.92	-10.15	-8.00e-03	-0.02	-2.04e-03	-2.85
38	211	-4.53	4.13e-03	2.77e-05	-16.47	0.0	-3.32	11.40	6.48e-03	-0.03	4.13e-03	-6.22
		-6.22	2.82e-03	-1.43e-04	0.0	53.6	-3.32	-5.07	6.48e-03	-0.03	2.82e-03	-5.18
38	219	-4.46	3.77e-03	2.63e-05	-16.47	0.0	-3.28	10.02	-0.01	-0.03	3.77e-03	-6.11
		-6.11	-3.99e-03	-1.78e-04	0.0	53.6	-3.28	-6.45	-0.01	-0.03	-3.99e-03	-5.13
38	225	-7.66	2.16e-03	6.75e-05	-16.47	0.0	-4.68	13.74	4.63e-03	0.02	1.35e-03	-10.73
		-10.73	1.35e-03	3.56e-05	0.0	53.6	-4.68	-2.73	4.63e-03	0.02	2.16e-03	-7.78
38	226	-0.61	8.72e-04	-3.34e-05	-16.47	0.0	-1.71	5.75	-9.01e-03	-0.02	8.72e-04	-1.15
		-2.47	-2.39e-03	-3.61e-05	0.0	53.6	-1.71	-10.72	-9.01e-03	-0.02	-2.39e-03	-2.47
39	19	-3.08	7.23e-04	1.82e-05	-8.14	0.0	-2.68	5.63	2.08e-03	1.03e-03	-2.77e-04	-4.12
		-4.12	-2.77e-04	0.0	0.0	53.6	-2.68	-2.52	2.08e-03	1.03e-03	7.23e-04	-3.28
39	28	-10.02	2.08e-03	7.55e-05	-31.23	0.0	-7.80	21.18	3.58e-03	2.61e-03	4.26e-04	-13.87
		-13.87	4.26e-04	0.0	0.0	53.6	-7.80	-10.06	3.58e-03	2.61e-03	2.08e-03	-10.89
39	72	-3.56	7.92e-04	2.37e-05	-8.98	0.0	-3.00	6.38	2.00e-03	1.07e-03	-1.60e-04	-4.77
		-4.77	-1.60e-04	0.0	0.0	53.6	-3.00	-2.60	2.00e-03	1.07e-03	7.92e-04	-3.76
39	80	-7.06	1.46e-03	5.35e-05	-21.47	0.0	-5.54	14.67	2.55e-03	1.83e-03	2.87e-04	-9.75
		-9.75	2.87e-04	0.0	0.0	53.6	-5.54	-6.80	2.55e-03	1.83e-03	1.46e-03	-7.64
39	98	-5.74	1.22e-03	4.24e-05	-17.72	0.0	-4.46	12.03	2.37e-03	1.54e-03	1.12e-04	-7.93
		-7.93	1.12e-04	0.0	0.0	53.6	-4.46	-5.69	2.37e-03	1.54e-03	1.22e-03	-6.23
39	102	-3.94	8.23e-04	3.00e-05	-8.98	0.0	-3.26	6.72	1.72e-03	1.03e-03	1.46e-05	-5.29
		-5.29	1.46e-05	0.0	0.0	53.6	-3.26	-2.26	1.72e-03	1.03e-03	8.23e-04	-4.09
39	106	-4.03	8.31e-04	3.15e-05	-8.98	0.0	-3.32	6.80	1.65e-03	1.02e-03	5.82e-05	-5.42
		-5.42	5.82e-05	0.0	0.0	53.6	-3.32	-2.17	1.65e-03	1.02e-03	8.31e-04	-4.18
39	107	-5.50	1.16e-03	4.09e-05	-16.47	0.0	-4.29	11.29	2.26e-03	1.47e-03	1.05e-04	-7.57
		-7.57	1.05e-04	0.0	0.0	53.6	-4.29	-5.18	2.26e-03	1.47e-03	1.16e-03	-5.94
39	108	-5.12	3.25e-03	3.56e-05	-16.47	0.0	-4.34	10.81	0.01	0.02	-4.40e-03	-7.02
		-7.02	-4.40e-03	8.97e-05	0.0	53.6	-4.34	-5.66	0.01	0.02	3.25e-03	-5.65
39	111	-5.87	4.60e-03	4.61e-05	-16.47	0.0	-4.25	11.76	-0.01	-0.02	4.60e-03	-8.13

		-8.13	-9.26e-04	-9.04e-05	0.0	53.6	-4.25	-4.71	-0.01	-0.02	-9.26e-04	-6.23
39	125	-9.61	2.56e-03	9.28e-05	-16.47	0.0	-3.57	15.72	1.10e-03	0.02	9.56e-04	-13.63
		-13.63	9.56e-04	2.08e-05	0.0	53.6	-3.57	-0.75	1.10e-03	0.02	2.56e-03	-9.61
39	126	-0.76	-2.40e-04	-2.75e-05	-16.47	0.0	-5.02	6.85	3.43e-03	-0.01	-7.47e-04	-1.52
		-2.26	-7.47e-04	-2.16e-05	0.0	53.6	-5.02	-9.62	3.43e-03	-0.01	-2.40e-04	-2.26
39	129	-9.62	2.49e-03	9.30e-05	-16.47	0.0	-3.58	15.74	3.18e-04	0.01	1.32e-03	-13.65
		-13.65	1.32e-03	2.18e-05	0.0	53.6	-3.58	-0.73	3.18e-04	0.01	2.49e-03	-9.63
39	130	-0.74	-1.70e-04	-2.77e-05	-16.47	0.0	-5.01	6.84	4.21e-03	-0.01	-1.11e-03	-1.50
		-2.25	-1.11e-03	-2.26e-05	0.0	53.6	-5.01	-9.63	4.21e-03	-0.01	-1.70e-04	-2.25
39	140	-5.08	3.51e-03	3.50e-05	-16.47	0.0	-4.35	10.75	0.02	0.02	-4.95e-03	-6.95
		-6.95	-4.95e-03	1.02e-04	0.0	53.6	-4.35	-5.72	0.02	0.02	3.51e-03	-5.61
39	143	-5.92	5.16e-03	4.68e-05	-16.47	0.0	-4.24	11.82	-0.01	-0.02	5.16e-03	-8.20
		-8.20	-1.19e-03	-1.02e-04	0.0	53.6	-4.24	-4.65	-0.01	-0.02	-1.19e-03	-6.26
39	157	-10.07	2.74e-03	9.93e-05	-16.47	0.0	-3.48	16.27	9.51e-04	0.02	1.06e-03	-14.38
		-14.38	1.06e-03	2.33e-05	0.0	53.6	-3.48	-0.20	9.51e-04	0.02	2.74e-03	-10.07
39	158	-0.12	-4.20e-04	-3.19e-05	-16.47	0.0	-5.11	6.30	3.57e-03	-0.01	-8.53e-04	-0.76
		-1.80	-8.53e-04	-2.40e-05	0.0	53.6	-5.11	-10.17	3.57e-03	-0.01	-4.20e-04	-1.80
39	161	-10.09	2.67e-03	9.95e-05	-16.47	0.0	-3.49	16.29	8.39e-05	0.02	1.47e-03	-14.41
		-14.41	1.47e-03	2.51e-05	0.0	53.6	-3.49	-0.18	8.39e-05	0.02	2.67e-03	-10.09
39	162	-0.10	-3.43e-04	-3.20e-05	-16.47	0.0	-5.10	6.28	4.44e-03	-0.01	-1.26e-03	-0.74
		-1.79	-1.26e-03	-2.59e-05	0.0	53.6	-5.10	-10.19	4.44e-03	-0.01	-3.43e-04	-1.79
39	172	-5.08	3.49e-03	3.49e-05	-16.47	0.0	-4.35	10.74	0.02	0.02	-4.84e-03	-6.95
		-6.95	-4.84e-03	1.14e-04	0.0	53.6	-4.35	-5.73	0.02	0.02	3.49e-03	-5.62
39	175	-5.92	5.05e-03	4.69e-05	-16.47	0.0	-4.24	11.83	-0.01	-0.02	5.05e-03	-8.20
		-8.20	-1.16e-03	-1.15e-04	0.0	53.6	-4.24	-4.64	-0.01	-0.02	-1.16e-03	-6.26
39	189	-10.02	2.75e-03	9.85e-05	-16.47	0.0	-3.54	16.20	9.78e-04	0.02	1.05e-03	-14.29
		-14.29	1.05e-03	2.29e-05	0.0	53.6	-3.54	-0.27	9.78e-04	0.02	2.75e-03	-10.02
39	190	-0.19	-4.25e-04	-3.13e-05	-16.47	0.0	-5.05	6.37	3.55e-03	-0.01	-8.39e-04	-0.85
		-1.85	-8.39e-04	-2.37e-05	0.0	53.6	-5.05	-10.10	3.55e-03	-0.01	-4.25e-04	-1.85
39	193	-10.04	2.69e-03	9.89e-05	-16.47	0.0	-3.54	16.23	1.85e-04	0.02	1.43e-03	-14.33
		-14.33	1.43e-03	2.88e-05	0.0	53.6	-3.54	-0.24	1.85e-04	0.02	2.69e-03	-10.04
39	194	-0.16	-3.68e-04	-3.16e-05	-16.47	0.0	-5.05	6.34	4.34e-03	-0.01	-1.23e-03	-0.82
		-1.83	-1.23e-03	-2.96e-05	0.0	53.6	-5.05	-10.13	4.34e-03	-0.01	-3.68e-04	-1.83
39	204	-5.01	3.89e-03	3.39e-05	-16.47	0.0	-4.36	10.64	0.02	0.03	-5.68e-03	-6.85
		-6.85	-5.68e-03	1.41e-04	0.0	53.6	-4.36	-5.83	0.02	0.03	3.89e-03	-5.57
39	207	-5.98	5.89e-03	4.79e-05	-16.47	0.0	-4.23	11.93	-0.01	-0.02	5.89e-03	-8.30
		-8.30	-1.56e-03	-1.42e-04	0.0	53.6	-4.23	-4.54	-0.01	-0.02	-1.56e-03	-6.31
39	221	-10.69	3.04e-03	1.08e-04	-16.47	0.0	-3.41	17.01	7.78e-04	0.02	1.19e-03	-15.40
		-15.40	1.19e-03	2.69e-05	0.0	53.6	-3.41	0.54	7.78e-04	0.02	3.04e-03	-10.69
39	222	0.75	-7.15e-04	-3.81e-05	-16.47	0.0	-5.18	5.56	3.75e-03	-0.02	-9.81e-04	0.25
		-1.18	-9.81e-04	-2.77e-05	0.0	53.6	-5.18	-10.91	3.75e-03	-0.02	-7.15e-04	-1.18
39	225	-10.73	2.99e-03	1.08e-04	-16.47	0.0	-3.42	17.05	-7.05e-05	0.02	1.62e-03	-15.45
		-15.45	1.62e-03	3.63e-05	0.0	53.6	-3.42	0.58	-7.05e-05	0.02	2.99e-03	-10.73
39	226	0.80	-6.68e-04	-3.85e-05	-16.47	0.0	-5.17	5.52	4.60e-03	-0.02	-1.41e-03	0.31
		-1.15	-1.41e-03	-3.70e-05	0.0	53.6	-5.17	-10.95	4.60e-03	-0.02	-6.68e-04	-1.15
40	4	-12.35	1.97e-04	9.22e-05	-31.23	0.0	-7.27	24.65	9.39e-03	3.81e-03	-4.39e-03	-17.56
		-17.56	-4.39e-03	0.0	0.0	53.6	-7.27	-6.59	9.39e-03	3.81e-03	1.97e-04	-12.71
40	19	-4.09	-2.09e-04	2.68e-05	-8.14	0.0	-3.10	7.16	2.88e-03	1.44e-03	-1.60e-03	-5.77
		-5.77	-1.60e-03	0.0	0.0	53.6	-3.10	-0.99	2.88e-03	1.44e-03	-2.09e-04	-4.12
40	28	-13.59	6.04e-04	1.14e-04	-31.23	0.0	-7.60	25.52	9.74e-03	3.65e-03	-4.17e-03	-19.18
		-19.18	-4.17e-03	0.0	0.0	53.6	-7.60	-5.72	9.74e-03	3.65e-03	6.04e-04	-13.87
40	44	-12.50	6.88e-04	1.11e-04	-25.62	0.0	-7.05	21.92	8.53e-03	3.12e-03	-3.50e-03	-17.53
		-17.53	-3.50e-03	0.0	0.0	53.6	-7.05	-3.70	8.53e-03	3.12e-03	6.88e-04	-12.64
40	68	-8.75	1.40e-04	6.62e-05	-21.47	0.0	-5.18	17.14	6.55e-03	2.66e-03	-3.06e-03	-12.42
		-12.42	-3.06e-03	0.0	0.0	53.6	-5.18	-4.32	6.55e-03	2.66e-03	1.40e-04	-8.98
40	72	-4.75	-8.85e-05	3.53e-05	-8.98	0.0	-3.29	8.05	3.25e-03	1.50e-03	-1.66e-03	-6.68
		-6.68	-1.66e-03	0.0	0.0	53.6	-3.29	-0.93	3.25e-03	1.50e-03	-8.85e-05	-4.77
40	80	-9.58	4.11e-04	8.08e-05	-21.47	0.0	-5.41	17.72	6.78e-03	2.56e-03	-2.91e-03	-13.50
		-13.50	-2.91e-03	0.0	0.0	53.6	-5.41	-3.74	6.78e-03	2.56e-03	4.11e-04	-9.75
40	88	-8.84	4.67e-04	7.85e-05	-17.72	0.0	-5.04	15.32	5.97e-03	2.21e-03	-2.46e-03	-12.40
		-12.40	-2.46e-03	0.0	0.0	53.6	-5.04	-2.40	5.97e-03	2.21e-03	4.67e-04	-8.93
40	98	-7.78	2.17e-04	6.39e-05	-17.72	0.0	-4.52	14.58	5.51e-03	2.17e-03	-2.48e-03	-11.00
		-11.00	-2.48e-03	0.0	0.0	53.6	-4.52	-3.14	5.51e-03	2.17e-03	2.17e-04	-7.93
40	102	-5.28	8.41e-05	4.50e-05	-8.98	0.0	-3.34	8.44	3.43e-03	1.44e-03	-1.58e-03	-7.41
		-7.41	-1.58e-03	0.0	0.0	53.6	-3.34	-0.54	3.43e-03	1.44e-03	8.41e-05	-5.29
40	105	-7.59	2.52e-04	6.40e-05	-16.47	0.0	-4.42	13.81	5.25e-03	2.04e-03	-2.32e-03	-10.69
		-10.69	-2.32e-03	0.0	0.0	53.6	-4.42	-2.66	5.25e-03	2.04e-03	2.52e-04	-7.70
40	106	-5.41	1.27e-04	4.74e-05	-8.98	0.0	-3.36	8.54	3.47e-03	1.42e-03	-1.57e-03	-7.59
		-7.59	-1.57e-03	0.0	0.0	53.6	-3.36	-0.44	3.47e-03	1.42e-03	1.27e-04	-5.42
40	107	-7.45	2.04e-04	6.16e-05	-16.47	0.0	-4.35	13.72	5.22e-03	2.06e-03	-2.35e-03	-10.51
		-10.51	-2.35e-03	0.0	0.0	53.6	-4.35	-2.75	5.22e-03	2.06e-03	2.04e-04	-7.57
40	108	-6.83	0.01	5.32e-05	-16.47	0.0	-4.11	13.07	-0.03	0.03	0.01	-9.61
		-9.61	-2.21e-03	7.83e-05	0.0	53.6	-4.11	-3.40	-0.03	0.03	-2.21e-03	-7.02
40	111	-8.06	2.62e-03	7.00e-05	-16.47	0.0	-4.60	14.36	0.04	-0.02	-0.02	-11.42
		-11.42	-0.02	-7.91e-05	0.0	53.6	-4.60	-2.11	0.04	-0.02	2.62e-03	-8.13

40	125	-13.63	1.40e-03	1.54e-04	-16.47	0.0	-2.80	19.26	0.02	0.02	-7.10e-03	-19.54
		-19.54	-7.10e-03	2.13e-05	0.0	53.6	-2.80	2.79	0.02	0.02	1.40e-03	-13.63
40	126	-0.40	2.40e-03	-4.05e-05	-16.47	0.0	-5.91	8.17	-6.12e-03	-0.01	2.40e-03	-1.49
		-1.52	-9.87e-04	-2.21e-05	0.0	53.6	-5.91	-8.30	-6.12e-03	-0.01	-9.87e-04	-1.52
40	129	-13.65	1.53e-03	1.55e-04	-16.47	0.0	-2.80	19.28	0.02	0.02	-7.92e-03	-19.57
		-19.57	-7.92e-03	2.09e-05	0.0	53.6	-2.80	2.81	0.02	0.02	1.53e-03	-13.65
40	130	-0.37	3.22e-03	-4.08e-05	-16.47	0.0	-5.90	8.15	-7.86e-03	-0.01	3.22e-03	-1.45
		-1.50	-1.12e-03	-2.17e-05	0.0	53.6	-5.90	-8.32	-7.86e-03	-0.01	-1.12e-03	-1.50
40	140	-6.75	0.02	5.22e-05	-16.47	0.0	-4.08	12.99	-0.03	0.03	0.02	-9.50
		-9.50	-2.49e-03	8.88e-05	0.0	53.6	-4.08	-3.48	-0.03	0.03	-2.49e-03	-6.95
40	143	-8.13	2.89e-03	7.10e-05	-16.47	0.0	-4.63	14.44	0.04	-0.03	-0.02	-11.53
		-11.53	-0.02	-8.96e-05	0.0	53.6	-4.63	-2.03	0.04	-0.03	2.89e-03	-8.20
40	157	-14.38	1.55e-03	1.66e-04	-16.47	0.0	-2.61	19.95	0.02	0.02	-7.68e-03	-20.67
		-20.67	-7.68e-03	2.39e-05	0.0	53.6	-2.61	3.48	0.02	0.02	1.55e-03	-14.38
40	158	0.55	2.98e-03	-4.95e-05	-16.47	0.0	-6.09	7.48	-7.51e-03	-0.02	2.98e-03	-0.36
		-0.76	-1.14e-03	-2.46e-05	0.0	53.6	-6.09	-8.99	-7.51e-03	-0.02	-1.14e-03	-0.76
40	161	-14.41	1.70e-03	1.67e-04	-16.47	0.0	-2.61	19.98	0.02	0.02	-8.63e-03	-20.71
		-20.71	-8.63e-03	2.41e-05	0.0	53.6	-2.61	3.51	0.02	0.02	1.70e-03	-14.41
40	162	0.58	3.93e-03	-4.99e-05	-16.47	0.0	-6.09	7.45	-9.53e-03	-0.01	3.93e-03	-0.32
		-0.74	-1.30e-03	-2.49e-05	0.0	53.6	-6.09	-9.02	-9.53e-03	-0.01	-1.30e-03	-0.74
40	172	-6.75	0.01	5.21e-05	-16.47	0.0	-4.07	12.98	-0.03	0.03	0.01	-9.49
		-9.49	-2.20e-03	1.02e-04	0.0	53.6	-4.07	-3.49	-0.03	0.03	-2.20e-03	-6.95
40	175	-8.13	2.61e-03	7.11e-05	-16.47	0.0	-4.64	14.45	0.04	-0.03	-0.02	-11.53
		-11.53	-0.02	-1.03e-04	0.0	53.6	-4.64	-2.02	0.04	-0.03	2.61e-03	-8.20
40	193	-14.33	1.72e-03	1.65e-04	-16.47	0.0	-2.67	19.89	0.02	0.02	-8.71e-03	-20.58
		-20.58	-8.71e-03	2.83e-05	0.0	53.6	-2.67	3.42	0.02	0.02	1.72e-03	-14.33
40	194	0.48	4.01e-03	-4.89e-05	-16.47	0.0	-6.03	7.54	-9.75e-03	-0.02	4.01e-03	-0.44
		-0.82	-1.31e-03	-2.91e-05	0.0	53.6	-6.03	-8.93	-9.75e-03	-0.02	-1.31e-03	-0.82
40	204	-6.64	0.02	5.05e-05	-16.47	0.0	-4.01	12.86	-0.03	0.03	0.02	-9.32
		-9.32	-2.54e-03	1.27e-04	0.0	53.6	-4.01	-3.61	-0.03	0.03	-2.54e-03	-6.85
40	207	-8.24	2.95e-03	7.27e-05	-16.47	0.0	-4.69	14.57	0.04	-0.03	-0.02	-11.70
		-11.70	-0.02	-1.28e-04	0.0	53.6	-4.69	-1.90	0.04	-0.03	2.95e-03	-8.30
40	225	-15.45	1.98e-03	1.83e-04	-16.47	0.0	-2.39	20.92	0.02	0.02	-9.77e-03	-22.26
		-22.26	-9.77e-03	3.60e-05	0.0	53.6	-2.39	4.45	0.02	0.02	1.98e-03	-15.45
40	226	1.92	5.07e-03	-6.32e-05	-16.47	0.0	-6.32	6.51	-0.01	-0.02	5.07e-03	1.23
		0.31	-1.57e-03	-3.68e-05	0.0	53.6	-6.32	-9.96	-0.01	-0.02	-1.57e-03	0.31
41	4	-17.56	4.84e-03	8.13e-05	-31.23	0.0	-8.36	36.18	-0.02	1.76e-03	4.84e-03	-28.59
		-28.59	-4.24e-03	0.0	0.0	53.6	-8.36	4.94	-0.02	1.76e-03	-4.24e-03	-17.56
41	19	-5.77	-1.52e-03	1.95e-05	-8.14	0.0	-3.87	11.33	2.23e-03	6.80e-04	-2.62e-03	-9.67
		-9.67	-2.62e-03	0.0	0.0	53.6	-3.87	3.19	2.23e-03	6.80e-04	-1.52e-03	-5.77
41	28	-19.18	0.01	1.13e-04	-31.23	0.0	-8.06	37.27	-0.03	1.68e-03	0.01	-30.80
		-30.80	-4.07e-03	0.0	0.0	53.6	-8.06	6.04	-0.03	1.68e-03	-4.07e-03	-19.18
41	44	-17.53	0.01	1.15e-04	-25.62	0.0	-7.16	32.31	-0.03	1.44e-03	0.01	-27.99
		-27.99	-3.43e-03	0.0	0.0	53.6	-7.16	6.69	-0.03	1.44e-03	-3.43e-03	-17.53
41	45	-8.49	0.01	7.27e-05	-8.14	0.0	-3.37	13.15	-0.02	5.50e-04	0.01	-13.36
		-13.36	-1.23e-03	0.0	0.0	53.6	-3.37	5.01	-0.02	5.50e-04	-1.23e-03	-8.49
41	68	-12.42	3.60e-03	5.90e-05	-21.47	0.0	-5.95	25.27	-0.01	1.23e-03	3.60e-03	-20.21
		-20.21	-2.96e-03	0.0	0.0	53.6	-5.95	3.80	-0.01	1.23e-03	-2.96e-03	-12.42
41	72	-6.68	-3.45e-04	3.07e-05	-8.98	0.0	-3.92	12.56	-2.22e-03	7.03e-04	-3.45e-04	-11.01
		-11.01	-1.59e-03	0.0	0.0	53.6	-3.92	3.58	-2.22e-03	7.03e-04	-1.59e-03	-6.68
41	80	-13.50	9.02e-03	8.03e-05	-21.47	0.0	-5.75	26.00	-0.02	1.18e-03	9.02e-03	-21.69
		-21.69	-2.84e-03	0.0	0.0	53.6	-5.75	4.53	-0.02	1.18e-03	-2.84e-03	-13.50
41	85	-8.49	8.68e-03	6.61e-05	-8.98	0.0	-3.58	13.77	-0.02	6.16e-04	8.68e-03	-13.47
		-13.47	-1.40e-03	0.0	0.0	53.6	-3.58	4.80	-0.02	6.16e-04	-1.40e-03	-8.49
41	88	-12.40	0.01	8.15e-05	-17.72	0.0	-5.15	22.69	-0.02	1.02e-03	0.01	-19.81
		-19.81	-2.41e-03	0.0	0.0	53.6	-5.15	4.97	-0.02	1.02e-03	-2.41e-03	-12.40
41	98	-11.00	5.21e-03	6.21e-05	-17.72	0.0	-4.99	21.46	-0.01	1.00e-03	5.21e-03	-17.76
		-17.76	-2.41e-03	0.0	0.0	53.6	-4.99	3.74	-0.01	1.00e-03	-2.41e-03	-11.00
41	102	-7.41	2.97e-03	4.48e-05	-8.98	0.0	-3.71	13.06	-8.40e-03	6.68e-04	2.97e-03	-12.00
		-12.00	-1.53e-03	0.0	0.0	53.6	-3.71	4.08	-8.40e-03	6.68e-04	-1.53e-03	-7.41
41	104	-7.77	4.77e-03	5.19e-05	-8.98	0.0	-3.65	13.30	-0.01	6.51e-04	4.77e-03	-12.50
		-12.50	-1.50e-03	0.0	0.0	53.6	-3.65	4.33	-0.01	6.51e-04	-1.50e-03	-7.77
41	105	-10.69	5.99e-03	6.37e-05	-16.47	0.0	-4.78	20.39	-0.02	9.45e-04	5.99e-03	-17.21
		-17.21	-2.26e-03	0.0	0.0	53.6	-4.78	3.92	-0.02	9.45e-04	-2.26e-03	-10.69
41	106	-7.59	3.80e-03	4.83e-05	-8.98	0.0	-3.66	13.18	-9.94e-03	6.60e-04	3.80e-03	-12.25
		-12.25	-1.52e-03	0.0	0.0	53.6	-3.66	4.21	-9.94e-03	6.60e-04	-1.52e-03	-7.59
41	107	-10.51	5.01e-03	6.01e-05	-16.47	0.0	-4.80	20.27	-0.01	9.54e-04	5.01e-03	-16.97
		-16.97	-2.28e-03	0.0	0.0	53.6	-4.80	3.80	-0.01	9.54e-04	-2.28e-03	-10.51
41	113	-14.54	0.40	1.40e-04	-16.47	0.0	-2.74	21.00	-0.72	0.02	0.40	-22.15
		-22.15	5.84e-03	6.60e-05	0.0	53.6	-2.74	4.53	-0.72	0.02	5.84e-03	-14.54
41	114	-6.49	-0.01	-2.56e-05	-16.47	0.0	-6.87	19.55	0.70	-0.02	-0.39	-11.79
		-11.79	-0.39	-6.62e-05	0.0	53.6	-6.87	3.08	0.70	-0.02	-0.01	-6.49
41	125	-19.54	-5.96e-03	2.31e-04	-16.47	0.0	-1.48	25.49	0.08	0.02	-0.05	-29.00
		-29.00	-0.05	2.21e-05	0.0	53.6	-1.48	9.02	0.08	0.02	-5.96e-03	-19.54
41	126	-1.44	0.06	-1.11e-04	-16.47	0.0	-8.12	15.06	-0.11	-0.01	0.06	-4.94

		-4.94	1.40e-03	-2.24e-05	0.0	53.6	-8.12	-1.41	-0.11	-0.01	1.40e-03	-1.49
41	129	-19.57	-6.57e-03	2.32e-04	-16.47	0.0	-1.48	25.95	0.13	0.01	-0.07	-29.04
		-29.04	-0.07	2.01e-05	0.0	53.6	-1.48	9.48	0.13	0.01	-6.57e-03	-19.57
41	130	-1.40	0.08	-1.11e-04	-16.47	0.0	-8.12	14.60	-0.15	-0.01	0.08	-4.90
		-4.90	2.01e-03	-2.03e-05	0.0	53.6	-8.12	-1.87	-0.15	-0.01	2.01e-03	-1.45
41	145	-15.04	0.45	1.50e-04	-16.47	0.0	-2.48	21.09	-0.81	0.02	0.45	-22.80
		-22.80	6.85e-03	7.49e-05	0.0	53.6	-2.48	4.62	-0.81	0.02	6.85e-03	-15.04
41	146	-5.98	-0.01	-3.33e-05	-16.47	0.0	-7.12	19.46	0.79	-0.02	-0.44	-11.15
		-11.15	-0.44	-7.51e-05	0.0	53.6	-7.12	2.99	0.79	-0.02	-0.01	-5.98
41	161	-20.71	-7.11e-03	2.53e-04	-16.47	0.0	-1.07	26.65	0.15	0.02	-0.08	-30.55
		-30.55	-0.08	2.32e-05	0.0	53.6	-1.07	10.18	0.15	0.02	-7.11e-03	-20.71
41	162	-0.22	0.09	-1.33e-04	-16.47	0.0	-8.53	13.89	-0.17	-0.01	0.09	-3.39
		-3.39	2.55e-03	-2.34e-05	0.0	53.6	-8.53	-2.58	-0.17	-0.01	2.55e-03	-0.32
41	177	-14.95	0.43	1.48e-04	-16.47	0.0	-2.51	21.11	-0.78	0.02	0.43	-22.65
		-22.65	6.38e-03	8.84e-05	0.0	53.6	-2.51	4.64	-0.78	0.02	6.38e-03	-14.95
41	178	-6.08	-0.01	-3.20e-05	-16.47	0.0	-7.09	19.44	0.76	-0.02	-0.42	-11.29
		-11.29	-0.42	-8.86e-05	0.0	53.6	-7.09	2.97	0.76	-0.02	-0.01	-6.08
41	193	-20.58	-7.14e-03	2.51e-04	-16.47	0.0	-1.14	26.53	0.14	0.02	-0.08	-30.37
		-30.37	-0.08	2.76e-05	0.0	53.6	-1.14	10.06	0.14	0.02	-7.14e-03	-20.58
41	194	-0.35	0.09	-1.31e-04	-16.47	0.0	-8.46	14.02	-0.17	-0.01	0.09	-3.58
		-3.58	2.58e-03	-2.79e-05	0.0	53.6	-8.46	-2.45	-0.17	-0.01	2.58e-03	-0.44
41	209	-15.67	0.49	1.63e-04	-16.47	0.0	-2.13	21.26	-0.90	0.03	0.49	-23.57
		-23.57	7.64e-03	1.12e-04	0.0	53.6	-2.13	4.79	-0.90	0.03	7.64e-03	-15.67
41	210	-5.36	-0.01	-4.39e-05	-16.47	0.0	-7.47	19.29	0.87	-0.03	-0.48	-10.38
		-10.38	-0.48	-1.12e-04	0.0	53.6	-7.47	2.82	0.87	-0.03	-0.01	-5.36
41	225	-22.26	-7.93e-03	2.83e-04	-16.47	0.0	-0.51	27.55	0.17	0.02	-0.10	-32.59
		-32.59	-0.10	3.54e-05	0.0	53.6	-0.51	11.08	0.17	0.02	-7.93e-03	-22.26
41	226	1.42	0.11	-1.63e-04	-16.47	0.0	-9.09	13.00	-0.20	-0.02	0.11	-1.36
		-1.36	3.37e-03	-3.57e-05	0.0	53.6	-9.09	-3.47	-0.20	-0.02	3.37e-03	1.23
42	4	-0.13	6.03e-03	1.07e-03	-34.36	0.0	-10.01	-33.94	0.01	0.0	2.52e-04	-0.13
		-28.59	2.52e-04	0.0	0.0	55.7	-10.01	-68.30	0.01	0.0	6.03e-03	-28.59
42	19	-0.22	-6.43e-05	3.55e-04	-9.49	0.0	-5.13	-12.23	-4.19e-03	0.0	-6.43e-05	-0.22
		-9.67	-2.40e-03	0.0	0.0	55.7	-5.13	-21.72	-4.19e-03	0.0	-2.40e-03	-9.67
42	21	0.23	1.09e-04	6.70e-04	-23.10	0.0	-7.39	-21.07	1.26e-04	0.0	3.90e-05	0.23
		-17.93	3.90e-05	0.0	0.0	55.7	-7.39	-44.16	1.26e-04	0.0	1.09e-04	-17.93
42	28	-0.95	0.01	1.16e-03	-34.36	0.0	-8.90	-36.44	0.03	0.0	5.30e-04	-0.95
		-30.80	5.30e-04	-2.04e-06	0.0	55.7	-8.90	-70.80	0.03	0.0	0.01	-30.80
42	44	-1.41	0.02	1.06e-03	-28.53	0.0	-7.61	-33.48	0.03	0.0	5.85e-04	-1.41
		-27.99	5.85e-04	-2.46e-06	0.0	55.7	-7.61	-62.00	0.03	0.0	0.02	-27.99
42	45	-1.59	0.01	5.06e-04	-9.49	0.0	-3.28	-16.39	0.02	0.0	4.00e-04	-1.59
		-13.36	4.00e-04	-1.93e-06	0.0	55.7	-3.28	-25.88	0.02	0.0	0.01	-13.36
42	68	-0.23	4.45e-03	7.58e-04	-23.57	0.0	-7.11	-24.11	7.66e-03	0.0	1.83e-04	-0.23
		-20.21	1.83e-04	0.0	0.0	55.7	-7.11	-47.68	7.66e-03	0.0	4.45e-03	-20.21
42	72	-0.41	1.74e-05	4.09e-04	-10.61	0.0	-4.99	-13.72	-6.03e-06	0.0	1.74e-05	-0.41
		-11.01	1.40e-05	0.0	0.0	55.7	-4.99	-24.34	-6.03e-06	0.0	1.40e-05	-11.01
42	74	-0.11	1.68e-03	6.18e-04	-19.68	0.0	-6.50	-19.62	2.87e-03	0.0	8.62e-05	-0.11
		-16.51	8.62e-05	0.0	0.0	55.7	-6.50	-39.30	2.87e-03	0.0	1.68e-03	-16.51
42	80	-0.78	0.01	8.18e-04	-23.57	0.0	-6.37	-25.78	0.02	0.0	3.69e-04	-0.78
		-21.69	3.69e-04	-1.43e-06	0.0	55.7	-6.37	-49.35	0.02	0.0	0.01	-21.69
42	85	-1.33	9.51e-03	5.09e-04	-10.61	0.0	-3.75	-16.50	0.02	0.0	3.27e-04	-1.33
		-13.47	3.27e-04	-1.52e-06	0.0	55.7	-3.75	-27.11	0.02	0.0	9.51e-03	-13.47
42	88	-1.09	0.01	7.49e-04	-19.68	0.0	-5.51	-23.80	0.02	0.0	4.05e-04	-1.09
		-19.81	4.05e-04	-1.71e-06	0.0	55.7	-5.51	-43.48	0.02	0.0	0.01	-19.81
42	98	-0.58	6.03e-03	6.68e-04	-19.68	0.0	-5.80	-21.02	0.01	0.0	2.31e-04	-0.58
		-17.76	2.31e-04	0.0	0.0	55.7	-5.80	-40.70	0.01	0.0	6.03e-03	-17.76
42	102	-0.79	3.49e-03	4.49e-04	-10.61	0.0	-4.43	-14.84	6.04e-03	0.0	1.33e-04	-0.79
		-12.00	1.33e-04	0.0	0.0	55.7	-4.43	-25.46	6.04e-03	0.0	3.49e-03	-12.00
42	103	-0.53	4.93e-03	6.28e-04	-18.39	0.0	-5.72	-19.90	8.50e-03	0.0	1.92e-04	-0.53
		-16.72	1.92e-04	0.0	0.0	55.7	-5.72	-38.28	8.50e-03	0.0	4.93e-03	-16.72
42	104	-0.97	5.39e-03	4.69e-04	-10.61	0.0	-4.19	-15.40	9.34e-03	0.0	1.95e-04	-0.97
		-12.50	1.95e-04	0.0	0.0	55.7	-4.19	-26.01	9.34e-03	0.0	5.39e-03	-12.50
42	105	-0.71	6.82e-03	6.49e-04	-18.39	0.0	-5.48	-20.45	0.01	0.0	2.54e-04	-0.71
		-17.21	2.54e-04	0.0	0.0	55.7	-5.48	-38.84	0.01	0.0	6.82e-03	-17.21
42	106	-0.88	4.36e-03	4.59e-04	-10.61	0.0	-4.29	-15.12	7.55e-03	0.0	1.62e-04	-0.88
		-12.25	1.62e-04	0.0	0.0	55.7	-4.29	-25.73	7.55e-03	0.0	4.36e-03	-12.25
42	107	-0.62	5.80e-03	6.39e-04	-18.39	0.0	-5.58	-20.18	0.01	0.0	2.21e-04	-0.62
		-16.97	2.21e-04	0.0	0.0	55.7	-5.58	-38.56	0.01	0.0	5.80e-03	-16.97
42	113	-2.25	0.44	8.60e-04	-18.39	0.0	-2.47	-21.60	0.77	0.0	8.79e-03	-2.25
		-22.15	8.79e-03	5.60e-06	0.0	55.7	-2.47	-39.98	0.77	0.0	0.44	-22.15
42	114	1.00	-8.34e-03	4.18e-04	-18.39	0.0	-8.70	-18.75	-0.75	0.0	-8.34e-03	1.00
		-11.79	-0.42	-7.17e-06	0.0	55.7	-8.70	-37.14	-0.75	0.0	-0.42	-11.79
42	129	-4.11	-1.44e-03	1.15e-03	-18.39	0.0	-0.43	-35.64	-0.14	0.0	-1.44e-03	-4.11
		-29.04	-0.08	2.78e-05	0.0	55.7	-0.43	-54.03	-0.14	0.0	-0.08	-29.04
42	130	2.86	0.09	1.27e-04	-18.39	0.0	-10.74	-4.71	0.16	0.0	1.89e-03	2.86
		-4.90	1.89e-03	-2.94e-05	0.0	55.7	-10.74	-23.10	0.16	0.0	0.09	-4.90

42	145	-2.45	0.49	8.87e-04	-18.39	0.0	-2.08	-21.77	0.86	0.0	9.86e-03	-2.45
		-22.80	9.86e-03	6.99e-06	0.0	55.7	-2.08	-40.16	0.86	0.0	0.49	-22.80
42	146	1.21	-9.41e-03	3.90e-04	-18.39	0.0	-9.09	-18.58	-0.84	0.0	-9.41e-03	1.21
		-11.15	-0.48	-8.56e-06	0.0	55.7	-9.09	-36.96	-0.84	0.0	-0.48	-11.15
42	161	-4.54	-1.65e-03	1.21e-03	-18.39	0.0	0.21	-37.57	-0.16	0.0	-1.65e-03	-4.54
		-30.55	-0.09	3.20e-05	0.0	55.7	0.21	-55.96	-0.16	0.0	-0.09	-30.55
42	162	3.30	0.10	6.36e-05	-18.39	0.0	-11.38	-2.78	0.18	0.0	2.10e-03	3.30
		-3.39	2.10e-03	-3.35e-05	0.0	55.7	-11.38	-21.17	0.18	0.0	0.10	-3.39
42	177	-2.43	0.47	8.81e-04	-18.39	0.0	-2.13	-21.82	0.83	0.0	9.46e-03	-2.43
		-22.65	9.46e-03	2.32e-05	0.0	55.7	-2.13	-40.21	0.83	0.0	0.47	-22.65
42	178	1.19	-9.02e-03	3.96e-04	-18.39	0.0	-9.04	-18.53	-0.81	0.0	-9.02e-03	1.19
		-11.29	-0.46	-2.48e-05	0.0	55.7	-9.04	-36.91	-0.81	0.0	-0.46	-11.29
42	193	-4.50	-1.65e-03	1.21e-03	-18.39	0.0	0.14	-37.30	-0.16	0.0	-1.65e-03	-4.50
		-30.37	-0.09	3.65e-05	0.0	55.7	0.14	-55.69	-0.16	0.0	-0.09	-30.37
42	194	3.26	0.10	7.11e-05	-18.39	0.0	-11.31	-3.05	0.18	0.0	2.09e-03	3.26
		-3.58	2.09e-03	-3.81e-05	0.0	55.7	-11.31	-21.43	0.18	0.0	0.10	-3.58
42	209	-2.73	0.54	9.20e-04	-18.39	0.0	-1.55	-22.11	0.95	0.0	0.01	-2.73
		-23.57	0.01	3.70e-05	0.0	55.7	-1.55	-40.50	0.95	0.0	0.54	-23.57
42	210	1.49	-0.01	3.58e-04	-18.39	0.0	-9.62	-18.24	-0.93	0.0	-0.01	1.49
		-10.38	-0.53	-3.85e-05	0.0	55.7	-9.62	-36.62	-0.93	0.0	-0.53	-10.38
42	225	-5.15	-1.93e-03	1.30e-03	-18.39	0.0	1.11	-40.13	-0.19	0.0	-1.93e-03	-5.15
		-32.59	-0.11	4.58e-05	0.0	55.7	1.11	-58.52	-0.19	0.0	-0.11	-32.59
42	226	3.90	0.12	-4.14e-05	-18.39	0.0	-12.28	-0.22	0.21	0.0	2.38e-03	3.90
		-1.36	2.38e-03	-4.74e-05	0.0	55.7	-12.28	-18.61	0.21	0.0	0.12	-1.36
43	4	6.01	2.52e-04	6.27e-04	-34.36	0.0	-4.05	6.82	8.88e-03	0.0	-4.69e-03	5.63
		-0.13	-4.69e-03	0.0	0.0	55.7	-4.05	-27.53	8.88e-03	0.0	2.52e-04	-0.13
43	42	2.24	4.81e-04	4.94e-04	-14.92	0.0	-2.18	0.09	3.74e-03	0.0	-1.60e-03	2.24
		-1.87	-1.60e-03	-2.29e-06	0.0	55.7	-2.18	-14.83	3.74e-03	0.0	4.81e-04	-1.87
43	44	4.49	5.85e-04	6.63e-04	-28.53	0.0	-2.91	3.92	6.27e-03	0.0	-2.91e-03	4.34
		-1.41	-2.91e-03	-2.51e-06	0.0	55.7	-2.91	-24.60	6.27e-03	0.0	5.85e-04	-1.41
43	45	1.24	4.00e-04	3.46e-04	-9.49	0.0	-1.34	-0.34	2.09e-03	0.0	-7.63e-04	1.24
		-1.59	-7.63e-04	-1.96e-06	0.0	55.7	-1.34	-9.83	2.09e-03	0.0	4.00e-04	-1.59
43	68	4.09	1.83e-04	4.47e-04	-23.57	0.0	-2.90	4.44	6.23e-03	0.0	-3.28e-03	3.86
		-0.23	-3.28e-03	0.0	0.0	55.7	-2.90	-19.13	6.23e-03	0.0	1.83e-04	-0.23
43	85	1.50	3.27e-04	3.39e-04	-10.61	0.0	-1.56	0.23	2.63e-03	0.0	-1.14e-03	1.50
		-1.33	-1.14e-03	-1.55e-06	0.0	55.7	-1.56	-10.38	2.63e-03	0.0	3.27e-04	-1.33
43	86	1.59	3.36e-04	3.58e-04	-10.61	0.0	-1.66	-0.05	2.80e-03	0.0	-1.22e-03	1.59
		-1.39	-1.22e-03	-1.60e-06	0.0	55.7	-1.66	-10.66	2.80e-03	0.0	3.36e-04	-1.39
43	88	3.08	4.05e-04	4.71e-04	-19.68	0.0	-2.15	2.51	4.48e-03	0.0	-2.09e-03	2.99
		-1.09	-2.09e-03	-1.75e-06	0.0	55.7	-2.15	-17.17	4.48e-03	0.0	4.05e-04	-1.09
43	98	3.21	2.31e-04	4.07e-04	-19.68	0.0	-2.35	3.31	4.98e-03	0.0	-2.54e-03	3.06
		-0.58	-2.54e-03	0.0	0.0	55.7	-2.35	-16.38	4.98e-03	0.0	2.31e-04	-0.58
43	103	3.03	1.92e-04	3.82e-04	-18.39	0.0	-2.36	3.05	4.86e-03	0.0	-2.51e-03	2.89
		-0.53	-2.51e-03	0.0	0.0	55.7	-2.36	-15.34	4.86e-03	0.0	1.92e-04	-0.53
43	104	1.64	1.95e-04	3.03e-04	-10.61	0.0	-1.80	0.64	3.16e-03	0.0	-1.56e-03	1.62
		-0.97	-1.56e-03	0.0	0.0	55.7	-1.80	-9.97	3.16e-03	0.0	1.95e-04	-0.97
43	105	2.94	2.54e-04	4.00e-04	-18.39	0.0	-2.22	2.84	4.61e-03	0.0	-2.31e-03	2.83
		-0.71	-2.31e-03	0.0	0.0	55.7	-2.22	-15.55	4.61e-03	0.0	2.54e-04	-0.71
43	106	1.67	1.62e-04	2.94e-04	-10.61	0.0	-1.86	0.75	3.29e-03	0.0	-1.67e-03	1.66
		-0.88	-1.67e-03	0.0	0.0	55.7	-1.86	-9.86	3.29e-03	0.0	1.62e-04	-0.88
43	107	2.99	2.21e-04	3.91e-04	-18.39	0.0	-2.28	2.94	4.74e-03	0.0	-2.42e-03	2.86
		-0.62	-2.42e-03	0.0	0.0	55.7	-2.28	-15.45	4.74e-03	0.0	2.21e-04	-0.62
43	108	3.02	8.50e-03	3.46e-04	-18.39	0.0	-2.04	3.42	0.08	0.0	-0.04	2.83
		-0.32	-0.04	-9.22e-06	0.0	55.7	-2.04	-14.97	0.08	0.0	8.50e-03	-0.32
43	111	2.97	0.03	4.36e-04	-18.39	0.0	-2.53	2.46	-0.07	0.0	0.03	2.89
		-0.93	-8.06e-03	7.61e-06	0.0	55.7	-2.53	-15.93	-0.07	0.0	-8.06e-03	-0.93
43	129	1.56	7.61e-03	8.13e-04	-18.39	0.0	0.72	-1.02	-0.02	0.0	7.61e-03	1.56
		-4.11	-1.44e-03	2.53e-05	0.0	55.7	0.72	-19.40	-0.02	0.0	-1.44e-03	-4.11
43	130	4.87	1.89e-03	-4.89e-05	-18.39	0.0	-5.29	6.90	0.03	0.0	-0.01	4.16
		2.86	-0.01	-2.69e-05	0.0	55.7	-5.29	-11.49	0.03	0.0	1.89e-03	2.86
43	134	4.88	-6.22e-03	-3.15e-05	-18.39	0.0	-5.15	6.57	-0.05	0.0	-6.22e-03	4.24
		2.75	-6.30e-03	3.08e-05	0.0	55.7	-5.15	-11.81	-0.05	0.0	-6.30e-03	2.75
43	140	3.02	9.54e-03	3.41e-04	-18.39	0.0	-2.01	3.48	0.09	0.0	-0.04	2.82
		-0.28	-0.04	-9.73e-06	0.0	55.7	-2.01	-14.91	0.09	0.0	9.54e-03	-0.28
43	143	2.97	0.04	4.42e-04	-18.39	0.0	-2.56	2.40	-0.08	0.0	0.04	2.90
		-0.96	-9.09e-03	8.12e-06	0.0	55.7	-2.56	-15.98	-0.08	0.0	-9.09e-03	-0.96
43	161	1.39	8.89e-03	8.66e-04	-18.39	0.0	1.10	-1.51	-0.02	0.0	8.89e-03	1.39
		-4.54	-1.65e-03	2.92e-05	0.0	55.7	1.10	-19.90	-0.02	0.0	-1.65e-03	-4.54
43	162	5.14	2.10e-03	-8.74e-05	-18.39	0.0	-5.67	7.39	0.03	0.0	-0.01	4.33
		3.30	-0.01	-3.08e-05	0.0	55.7	-5.67	-11.00	0.03	0.0	2.10e-03	3.30
43	166	5.15	-6.66e-03	-6.06e-05	-18.39	0.0	-5.50	7.02	-0.05	0.0	-6.66e-03	4.41
		3.17	-7.11e-03	3.44e-05	0.0	55.7	-5.50	-11.36	-0.05	0.0	-7.11e-03	3.17
43	172	3.01	9.13e-03	3.41e-04	-18.39	0.0	-2.00	3.49	0.09	0.0	-0.04	2.81
		-0.29	-0.04	6.46e-06	0.0	55.7	-2.00	-14.90	0.09	0.0	9.13e-03	-0.29
43	175	2.98	0.04	4.42e-04	-18.39	0.0	-2.57	2.39	-0.08	0.0	0.04	2.90

		-0.95	-8.69e-03	-8.07e-06	0.0	55.7	-2.57	-15.99	-0.08	0.0	-8.69e-03	-0.95
43	193	1.40	8.98e-03	8.60e-04	-18.39	0.0	1.07	-1.45	-0.02	0.0	8.98e-03	1.40
		-4.50	-1.65e-03	3.32e-05	0.0	55.7	1.07	-19.83	-0.02	0.0	-1.65e-03	-4.50
43	194	5.12	2.09e-03	-8.26e-05	-18.39	0.0	-5.63	7.33	0.03	0.0	-0.01	4.31
		3.26	-0.01	-3.48e-05	0.0	55.7	-5.63	-11.06	0.03	0.0	2.09e-03	3.26
43	204	3.01	0.01	3.32e-04	-18.39	0.0	-1.94	3.58	0.10	0.0	-0.05	2.80
		-0.25	-0.05	1.73e-05	0.0	55.7	-1.94	-14.81	0.10	0.0	0.01	-0.25
43	207	2.99	0.04	4.50e-04	-18.39	0.0	-2.63	2.30	-0.09	0.0	0.04	2.91
		-1.00	-0.01	-1.89e-05	0.0	55.7	-2.63	-16.09	-0.09	0.0	-0.01	-1.00
43	225	1.16	0.01	9.38e-04	-18.39	0.0	1.64	-2.17	-0.02	0.0	0.01	1.16
		-5.15	-1.93e-03	4.18e-05	0.0	55.7	1.64	-20.56	-0.02	0.0	-1.93e-03	-5.15
43	226	5.53	2.38e-03	-1.56e-04	-18.39	0.0	-6.20	8.05	0.03	0.0	-0.02	4.56
		3.90	-0.02	-4.34e-05	0.0	55.7	-6.20	-10.33	0.03	0.0	2.38e-03	3.90
44	4	6.04	-4.69e-03	3.43e-04	-34.36	0.0	-0.80	27.28	0.08	0.0	-0.05	0.01
		0.01	-0.05	0.0	0.0	55.7	-0.80	-7.07	0.08	0.0	-4.69e-03	5.63
44	18	5.14	-4.42e-03	2.85e-04	-28.53	0.0	-0.88	22.93	0.09	0.0	-0.05	9.45e-03
		9.45e-03	-0.05	0.0	0.0	55.7	-0.88	-5.59	0.09	0.0	-4.42e-03	4.84
44	45	1.42	-7.63e-04	2.53e-04	-9.49	0.0	-0.12	6.96	4.21e-03	0.0	-3.11e-03	4.50e-03
		4.50e-03	-3.11e-03	-1.87e-06	0.0	55.7	-0.12	-2.53	4.21e-03	0.0	-7.63e-04	1.24
44	68	4.13	-3.28e-03	2.50e-04	-23.57	0.0	-0.57	18.70	0.06	0.0	-0.04	7.44e-03
		7.44e-03	-0.04	0.0	0.0	55.7	-0.57	-4.87	0.06	0.0	-3.28e-03	3.86
44	75	3.54	-3.10e-03	2.11e-04	-19.68	0.0	-0.62	15.80	0.06	0.0	-0.04	6.79e-03
		6.79e-03	-0.04	0.0	0.0	55.7	-0.62	-3.88	0.06	0.0	-3.10e-03	3.32
44	85	1.68	-1.14e-03	2.38e-04	-10.61	0.0	-0.20	7.99	0.01	0.0	-9.00e-03	4.75e-03
		4.75e-03	-9.00e-03	-1.43e-06	0.0	55.7	-0.20	-2.62	0.01	0.0	-1.14e-03	1.50
44	98	3.32	-2.54e-03	2.43e-04	-19.68	0.0	-0.41	15.32	0.04	0.0	-0.03	6.38e-03
		6.38e-03	-0.03	0.0	0.0	55.7	-0.41	-4.36	0.04	0.0	-2.54e-03	3.06
44	103	3.13	-2.51e-03	2.27e-04	-18.39	0.0	-0.44	14.38	0.04	0.0	-0.03	6.17e-03
		6.17e-03	-0.03	0.0	0.0	55.7	-0.44	-4.01	0.04	0.0	-2.51e-03	2.89
44	104	1.77	-1.56e-03	2.03e-04	-10.61	0.0	-0.30	8.22	0.03	0.0	-0.02	4.81e-03
		4.81e-03	-0.02	0.0	0.0	55.7	-0.30	-2.40	0.03	0.0	-1.56e-03	1.62
44	106	1.80	-1.67e-03	1.95e-04	-10.61	0.0	-0.33	8.27	0.03	0.0	-0.02	4.83e-03
		4.83e-03	-0.02	0.0	0.0	55.7	-0.33	-2.34	0.03	0.0	-1.67e-03	1.66
44	107	3.10	-2.42e-03	2.36e-04	-18.39	0.0	-0.39	14.32	0.04	0.0	-0.03	6.16e-03
		6.16e-03	-0.03	0.0	0.0	55.7	-0.39	-4.07	0.04	0.0	-2.42e-03	2.86
44	108	3.08	-0.04	1.94e-04	-18.39	0.0	-0.28	14.26	0.65	0.0	-0.40	3.35e-03
		3.35e-03	-0.40	-2.05e-05	0.0	55.7	-0.28	-4.13	0.65	0.0	-0.04	2.83
44	109	2.55	-0.03	4.30e-04	-18.39	0.0	0.07	12.97	0.46	0.0	-0.28	2.15e-03
		2.15e-03	-0.28	-1.78e-06	0.0	55.7	0.07	-5.42	0.46	0.0	-0.03	2.11
44	111	3.13	0.35	2.78e-04	-18.39	0.0	-0.51	14.37	-0.57	0.0	0.35	8.97e-03
		8.97e-03	0.03	1.94e-05	0.0	55.7	-0.51	-4.01	-0.57	0.0	0.03	2.89
44	134	4.28	-6.22e-03	-1.54e-04	-18.39	0.0	-1.07	16.80	0.08	0.0	-0.05	8.98e-03
		8.98e-03	-0.05	3.66e-05	0.0	55.7	-1.07	-1.59	0.08	0.0	-6.22e-03	4.24
44	137	2.13	0.03	6.28e-04	-18.39	0.0	0.29	11.86	-0.04	0.0	0.03	3.57e-03
		3.57e-03	4.23e-03	-4.32e-05	0.0	55.7	0.29	-6.53	-0.04	0.0	4.23e-03	1.49
44	138	4.26	-9.07e-03	-1.56e-04	-18.39	0.0	-1.08	16.78	0.12	0.0	-0.08	8.75e-03
		8.75e-03	-0.08	4.21e-05	0.0	55.7	-1.08	-1.61	0.12	0.0	-9.07e-03	4.23
44	140	3.08	-0.04	1.89e-04	-18.39	0.0	-0.26	14.25	0.73	0.0	-0.45	3.00e-03
		3.00e-03	-0.45	-2.25e-05	0.0	55.7	-0.26	-4.13	0.73	0.0	-0.04	2.82
44	141	2.48	-0.03	4.54e-04	-18.39	0.0	0.13	12.80	0.51	0.0	-0.31	1.65e-03
		1.65e-03	-0.31	1.89e-06	0.0	55.7	0.13	-5.59	0.51	0.0	-0.03	2.01
44	143	3.13	0.40	2.83e-04	-18.39	0.0	-0.52	14.38	-0.64	0.0	0.40	9.32e-03
		9.32e-03	0.04	2.14e-05	0.0	55.7	-0.52	-4.01	-0.64	0.0	0.04	2.90
44	166	4.44	-6.66e-03	-2.03e-04	-18.39	0.0	-1.16	17.10	0.08	0.0	-0.05	9.33e-03
		9.33e-03	-0.05	4.10e-05	0.0	55.7	-1.16	-1.28	0.08	0.0	-6.66e-03	4.41
44	169	2.02	0.03	6.77e-04	-18.39	0.0	0.38	11.55	-0.05	0.0	0.03	3.26e-03
		3.26e-03	5.08e-03	-4.78e-05	0.0	55.7	0.38	-6.84	-0.05	0.0	5.08e-03	1.32
44	170	4.42	-9.92e-03	-2.05e-04	-18.39	0.0	-1.16	17.08	0.13	0.0	-0.08	9.06e-03
		9.06e-03	-0.08	4.67e-05	0.0	55.7	-1.16	-1.30	0.13	0.0	-9.92e-03	4.40
44	172	3.07	-0.04	1.89e-04	-18.39	0.0	-0.26	14.24	0.69	0.0	-0.43	3.21e-03
		3.21e-03	-0.43	-6.90e-06	0.0	55.7	-0.26	-4.14	0.69	0.0	-0.04	2.81
44	173	2.49	-0.03	4.51e-04	-18.39	0.0	0.12	12.81	0.48	0.0	-0.30	1.94e-03
		1.94e-03	-0.30	1.20e-05	0.0	55.7	0.12	-5.58	0.48	0.0	-0.03	2.02
44	175	3.14	0.38	2.83e-04	-18.39	0.0	-0.53	14.39	-0.61	0.0	0.38	9.10e-03
		9.10e-03	0.04	5.78e-06	0.0	55.7	-0.53	-4.00	-0.61	0.0	0.04	2.90
44	198	4.41	-6.47e-03	-1.95e-04	-18.39	0.0	-1.14	17.06	0.07	0.0	-0.05	9.17e-03
		9.17e-03	-0.05	3.35e-05	0.0	55.7	-1.14	-1.33	0.07	0.0	-6.47e-03	4.39
44	201	2.04	0.03	6.69e-04	-18.39	0.0	0.36	11.59	-0.05	0.0	0.03	3.45e-03
		3.45e-03	5.06e-03	-3.81e-05	0.0	55.7	0.36	-6.80	-0.05	0.0	5.06e-03	1.34
44	202	4.41	-9.89e-03	-1.97e-04	-18.39	0.0	-1.15	17.05	0.13	0.0	-0.08	8.87e-03
		8.87e-03	-0.08	3.70e-05	0.0	55.7	-1.15	-1.34	0.13	0.0	-9.89e-03	4.38
44	204	3.06	-0.05	1.82e-04	-18.39	0.0	-0.24	14.22	0.79	0.0	-0.49	2.82e-03
		2.82e-03	-0.49	4.42e-06	0.0	55.7	-0.24	-4.17	0.79	0.0	-0.05	2.80
44	205	2.39	-0.03	4.86e-04	-18.39	0.0	0.21	12.55	0.55	0.0	-0.34	1.34e-03
		1.34e-03	-0.34	2.26e-05	0.0	55.7	0.21	-5.84	0.55	0.0	-0.03	1.87

44	207	3.15	0.44	2.90e-04	-18.39	0.0	-0.55	14.41	-0.71	0.0	0.44	9.50e-03
		9.50e-03	0.04	-4.58e-06	0.0	55.7	-0.55	-3.97	-0.71	0.0	0.04	2.91
44	230	4.65	-7.10e-03	-2.64e-04	-18.39	0.0	-1.26	17.51	0.08	0.0	-0.05	9.61e-03
		9.61e-03	-0.05	3.55e-05	0.0	55.7	-1.26	-0.88	0.08	0.0	-7.10e-03	4.64
44	233	1.88	0.04	7.40e-04	-18.39	0.0	0.49	11.14	-0.06	0.0	0.04	3.05e-03
		3.05e-03	6.22e-03	-3.97e-05	0.0	55.7	0.49	-7.25	-0.06	0.0	6.22e-03	1.09
44	234	4.64	-0.01	-2.68e-04	-18.39	0.0	-1.28	17.50	0.14	0.0	-0.09	9.26e-03
		9.26e-03	-0.09	3.86e-05	0.0	55.7	-1.28	-0.89	0.14	0.0	-0.01	4.63
45	19	-2.28	8.37e-05	-8.28e-06	-8.14	0.0	-1.78	4.14	-3.74e-04	5.29e-04	8.37e-05	-2.84
		-2.84	-1.77e-04	0.0	0.0	53.6	-1.78	-4.00	-3.74e-04	5.29e-04	-1.77e-04	-2.80
45	21	-4.15	9.88e-05	-2.35e-05	-21.26	0.0	-3.23	10.66	-8.26e-04	7.92e-04	9.88e-05	-5.58
		-5.58	-4.29e-04	0.0	0.0	53.6	-3.23	-10.60	-8.26e-04	7.92e-04	-4.29e-04	-5.56
45	28	-6.93	-1.10e-04	-2.68e-05	-31.23	0.0	-6.48	16.27	-1.14e-03	7.00e-04	-1.10e-04	-9.20
		-9.20	-7.91e-04	0.0	0.0	53.6	-6.48	-14.97	-1.14e-03	7.00e-04	-7.91e-04	-8.85
45	72	-2.54	4.23e-05	-7.87e-06	-8.98	0.0	-2.15	4.67	-3.90e-04	4.71e-04	4.23e-05	-3.19
		-3.19	-2.20e-04	0.0	0.0	53.6	-2.15	-4.31	-3.90e-04	4.71e-04	-2.20e-04	-3.10
45	74	-3.79	5.23e-05	-1.79e-05	-17.72	0.0	-3.11	9.01	-6.92e-04	6.47e-04	5.23e-05	-5.02
		-5.02	-3.88e-04	0.0	0.0	53.6	-3.11	-8.70	-6.92e-04	6.47e-04	-3.88e-04	-4.94
45	80	-4.87	-7.82e-05	-1.81e-05	-21.47	0.0	-4.58	11.21	-7.85e-04	4.92e-04	-7.82e-05	-6.44
		-6.44	-5.50e-04	0.0	0.0	53.6	-4.58	-10.25	-7.85e-04	4.92e-04	-5.50e-04	-6.18
45	98	-3.98	-2.94e-05	-1.56e-05	-17.72	0.0	-3.58	9.22	-6.61e-04	4.84e-04	-2.94e-05	-5.27
		-5.27	-4.35e-04	0.0	0.0	53.6	-3.58	-8.50	-6.61e-04	4.84e-04	-4.35e-04	-5.08
45	102	-2.70	-2.31e-05	7.25e-06	-8.98	0.0	-2.52	4.83	-3.66e-04	3.42e-04	-2.31e-05	-3.39
		-3.39	-2.57e-04	0.0	0.0	53.6	-2.52	-4.14	-3.66e-04	3.42e-04	-2.57e-04	-3.21
45	103	-3.77	-1.45e-05	-1.46e-05	-16.47	0.0	-3.35	8.56	-6.24e-04	4.92e-04	-1.45e-05	-4.96
		-4.96	-4.02e-04	0.0	0.0	53.6	-3.35	-7.91	-6.24e-04	4.92e-04	-4.02e-04	-4.78
45	105	-3.84	-4.79e-05	-1.37e-05	-16.47	0.0	-3.59	8.64	-6.10e-04	4.21e-04	-4.79e-05	-5.06
		-5.06	-4.19e-04	0.0	0.0	53.6	-3.59	-7.83	-6.10e-04	4.21e-04	-4.19e-04	-4.84
45	106	-2.73	-3.94e-05	8.20e-06	-8.98	0.0	-2.62	4.88	-3.60e-04	3.09e-04	-3.94e-05	-3.44
		-3.44	-2.66e-04	0.0	0.0	53.6	-2.62	-4.10	-3.60e-04	3.09e-04	-2.66e-04	-3.24
45	107	-3.81	-3.08e-05	-1.42e-05	-16.47	0.0	-3.45	8.60	-6.18e-04	4.59e-04	-3.08e-05	-5.01
		-5.01	-4.11e-04	0.0	0.0	53.6	-3.45	-7.87	-6.18e-04	4.59e-04	-4.11e-04	-4.81
45	108	-3.70	-6.95e-04	-1.86e-05	-16.47	0.0	-2.23	7.59	-0.01	0.02	-6.95e-04	-4.82
		-4.82	-5.28e-03	1.10e-04	0.0	53.6	-2.23	-8.88	-0.01	0.02	-5.28e-03	-4.78
45	111	-3.91	4.46e-03	1.82e-05	-16.47	0.0	-4.66	9.61	9.51e-03	-0.02	6.33e-04	-5.20
		-5.20	6.33e-04	-1.10e-04	0.0	53.6	-4.66	-6.86	9.51e-03	-0.02	4.46e-03	-4.84
45	133	-5.32	-7.47e-04	3.28e-05	-16.47	0.0	-5.66	10.29	-2.01e-04	-1.59e-03	-7.47e-04	-7.12
		-7.12	-3.35e-03	4.76e-05	0.0	53.6	-5.66	-6.18	-2.01e-04	-1.59e-03	-3.35e-03	-5.91
45	134	-2.17	2.53e-03	-2.81e-05	-16.47	0.0	-1.23	6.91	-1.04e-03	2.51e-03	6.85e-04	-2.90
		-3.72	6.85e-04	-4.72e-05	0.0	53.6	-1.23	-9.56	-1.04e-03	2.51e-03	2.53e-03	-3.72
45	136	-2.22	3.74e-04	-2.87e-05	-16.47	0.0	-0.91	6.62	-5.39e-03	0.02	1.80e-04	-2.90
		-3.84	1.80e-04	1.95e-05	0.0	53.6	-0.91	-9.85	-5.39e-03	0.02	3.74e-04	-3.84
45	139	-5.25	-2.42e-04	3.40e-05	-16.47	0.0	-5.98	10.58	4.15e-03	-0.02	-2.42e-04	-7.12
		-7.12	-1.20e-03	-1.91e-05	0.0	53.6	-5.98	-5.89	4.15e-03	-0.02	-1.20e-03	-5.79
45	140	-3.68	-7.68e-04	-1.92e-05	-16.47	0.0	-2.08	7.46	-0.01	0.03	-7.68e-04	-4.79
		-4.79	-5.87e-03	1.25e-04	0.0	53.6	-2.08	-9.01	-0.01	0.03	-5.87e-03	-4.78
45	143	-3.92	5.05e-03	1.94e-05	-16.47	0.0	-4.81	9.74	0.01	-0.02	7.06e-04	-5.22
		-5.22	7.06e-04	-1.24e-04	0.0	53.6	-4.81	-6.73	0.01	-0.02	5.05e-03	-4.85
45	165	-5.51	-8.31e-04	3.58e-05	-16.47	0.0	-5.94	10.50	-1.58e-04	-1.87e-03	-8.31e-04	-7.38
		-7.38	-3.70e-03	5.41e-05	0.0	53.6	-5.94	-5.97	-1.58e-04	-1.87e-03	-3.70e-03	-6.04
45	166	-1.96	2.88e-03	-3.01e-05	-16.47	0.0	-0.95	6.70	-1.08e-03	2.79e-03	7.69e-04	-2.63
		-3.58	7.69e-04	-5.38e-05	0.0	53.6	-0.95	-9.77	-1.08e-03	2.79e-03	2.88e-03	-3.58
45	168	-2.01	4.80e-04	-3.08e-05	-16.47	0.0	-0.59	6.38	-5.95e-03	0.02	2.08e-04	-2.63
		-3.72	2.08e-04	2.22e-05	0.0	53.6	-0.59	-10.09	-5.95e-03	0.02	4.80e-04	-3.72
45	171	-5.42	-2.70e-04	3.71e-05	-16.47	0.0	-6.30	10.82	4.71e-03	-0.02	-2.70e-04	-7.38
		-7.38	-1.30e-03	-2.19e-05	0.0	53.6	-6.30	-5.65	4.71e-03	-0.02	-1.30e-03	-5.91
45	172	-3.67	-6.48e-04	-1.93e-05	-16.47	0.0	-2.10	7.47	-0.01	0.02	-6.48e-04	-4.78
		-4.78	-5.43e-03	1.36e-04	0.0	53.6	-2.10	-9.00	-0.01	0.02	-5.43e-03	-4.76
45	175	-3.94	4.61e-03	1.96e-05	-16.47	0.0	-4.79	9.73	0.01	-0.02	5.86e-04	-5.23
		-5.23	5.86e-04	-1.35e-04	0.0	53.6	-4.79	-6.74	0.01	-0.02	4.61e-03	-4.86
45	198	-1.99	2.66e-03	-2.97e-05	-16.47	0.0	-0.98	6.72	-1.02e-03	2.92e-03	6.95e-04	-2.67
		-3.61	6.95e-04	-6.07e-05	0.0	53.6	-0.98	-9.75	-1.02e-03	2.92e-03	2.66e-03	-3.61
45	200	-2.03	4.98e-04	-3.07e-05	-16.47	0.0	-0.62	6.40	-5.43e-03	0.02	2.04e-04	-2.67
		-3.73	2.04e-04	2.49e-05	0.0	53.6	-0.62	-10.07	-5.43e-03	0.02	4.98e-04	-3.73
45	203	-5.40	-2.65e-04	3.69e-05	-16.47	0.0	-6.27	10.80	4.20e-03	-0.02	-2.65e-04	-7.35
		-7.35	-1.32e-03	-2.45e-05	0.0	53.6	-6.27	-5.67	4.20e-03	-0.02	-1.32e-03	-5.90
45	204	-3.64	-7.18e-04	-2.03e-05	-16.47	0.0	-1.88	7.28	-0.01	0.03	-7.18e-04	-4.74
		-4.75	-6.12e-03	1.66e-04	0.0	53.6	-1.88	-9.19	-0.01	0.03	-6.12e-03	-4.75
45	207	-3.96	5.30e-03	2.15e-05	-16.47	0.0	-5.01	9.92	0.01	-0.03	6.56e-04	-5.28
		-5.28	6.56e-04	-1.65e-04	0.0	53.6	-5.01	-6.55	0.01	-0.03	5.30e-03	-4.88
45	230	-1.68	3.09e-03	-3.27e-05	-16.47	0.0	-0.58	6.41	-1.06e-03	3.52e-03	7.93e-04	-2.29
		-3.41	7.93e-04	-7.55e-05	0.0	53.6	-0.58	-10.06	-1.06e-03	3.52e-03	3.09e-03	-3.41
45	232	-1.72	6.47e-04	-3.39e-05	-16.47	0.0	-0.15	6.03	-6.06e-03	0.02	2.39e-04	-2.28
		-3.55	2.39e-04	3.08e-05	0.0	53.6	-0.15	-10.44	-6.06e-03	0.02	6.47e-04	-3.55
45	235	-5.64	-3.01e-04	4.16e-05	-16.47	0.0	-6.75	11.17	4.83e-03	-0.02	-3.01e-04	-7.73

		-7.73	-1.47e-03	-3.04e-05	0.0	53.6	-6.75	-5.30	4.83e-03	-0.02	-1.47e-03	-6.08
46	19	-2.46	1.19e-04	9.36e-06	-8.14	0.0	-1.70	4.75	3.58e-05	2.31e-04	1.19e-04	-3.21
		-3.21	1.06e-04	0.0	0.0	53.6	-1.70	-3.39	3.58e-05	2.31e-04	1.06e-04	-2.84
46	28	-7.80	1.64e-03	4.39e-05	-31.23	0.0	-5.59	18.43	-3.22e-03	4.18e-04	1.64e-03	-10.71
		-10.71	-9.32e-05	0.0	0.0	53.6	-5.59	-12.80	-3.22e-03	4.18e-04	-9.32e-05	-9.20
46	42	-5.08	1.07e-03	3.50e-05	-12.50	0.0	-4.25	8.47	-2.36e-03	8.24e-05	1.07e-03	-6.62
		-6.62	-1.83e-04	0.0	0.0	53.6	-4.25	-4.04	-2.36e-03	8.24e-05	-1.83e-04	-5.43
46	72	-2.81	2.66e-04	1.30e-05	-8.98	0.0	-1.97	5.38	-3.36e-04	2.11e-04	2.66e-04	-3.67
		-3.67	6.04e-05	0.0	0.0	53.6	-1.97	-3.59	-3.36e-04	2.11e-04	6.04e-05	-3.19
46	80	-5.49	1.13e-03	3.12e-05	-21.47	0.0	-3.96	12.73	-2.22e-03	2.87e-04	1.13e-03	-7.51
		-7.51	-6.62e-05	0.0	0.0	53.6	-3.96	-8.73	-2.22e-03	2.87e-04	-6.62e-05	-6.44
46	86	-3.68	7.45e-04	2.52e-05	-8.98	0.0	-3.06	6.09	-1.65e-03	6.28e-05	7.45e-04	-4.79
		-4.79	-1.26e-04	0.0	0.0	53.6	-3.06	-2.89	-1.65e-03	6.28e-05	-1.26e-04	-3.93
46	98	-4.47	8.04e-04	2.43e-05	-17.72	0.0	-3.10	10.44	-1.50e-03	2.66e-04	8.04e-04	-6.12
		-6.12	-1.51e-05	0.0	0.0	53.6	-3.10	-7.28	-1.50e-03	2.66e-04	-1.51e-05	-5.27
46	102	-3.06	4.30e-04	1.75e-05	-8.98	0.0	-2.23	5.64	-8.05e-04	1.54e-04	4.30e-04	-4.01
		-4.01	-1.21e-05	0.0	0.0	53.6	-2.23	-3.34	-8.05e-04	1.54e-04	-1.21e-05	-3.39
46	104	-3.19	5.17e-04	1.97e-05	-8.98	0.0	-2.42	5.77	-1.05e-03	1.18e-04	5.17e-04	-4.18
		-4.18	-4.94e-05	0.0	0.0	53.6	-2.42	-3.21	-1.05e-03	1.18e-04	-4.94e-05	-3.49
46	105	-4.34	8.02e-04	2.46e-05	-16.47	0.0	-3.11	9.83	-1.55e-03	2.25e-04	8.02e-04	-5.91
		-5.91	-3.64e-05	0.0	0.0	53.6	-3.11	-6.64	-1.55e-03	2.25e-04	-3.64e-05	-5.06
46	106	-3.12	4.72e-04	1.86e-05	-8.98	0.0	-2.29	5.70	-9.22e-04	1.40e-04	4.72e-04	-4.09
		-4.09	-3.02e-05	0.0	0.0	53.6	-2.29	-3.28	-9.22e-04	1.40e-04	-3.02e-05	-3.44
46	107	-4.28	7.57e-04	2.35e-05	-16.47	0.0	-2.98	9.76	-1.42e-03	2.48e-04	7.57e-04	-5.83
		-5.83	-1.73e-05	0.0	0.0	53.6	-2.98	-6.71	-1.42e-03	2.48e-04	-1.73e-05	-5.01
46	109	-4.91	-9.48e-04	1.83e-05	-16.47	0.0	-3.05	9.92	6.88e-03	0.02	-9.48e-04	-6.13
		-6.13	-3.63e-03	9.57e-05	0.0	53.6	-3.05	-6.55	6.88e-03	0.02	-3.63e-03	-5.90
46	110	-3.61	3.60e-03	2.88e-05	-16.47	0.0	-2.92	9.61	-9.71e-03	-0.02	2.46e-03	-5.53
		-5.53	2.46e-03	-9.53e-05	0.0	53.6	-2.92	-6.86	-9.71e-03	-0.02	3.60e-03	-4.12
46	124	-1.70	3.25e-04	-2.62e-05	-16.47	0.0	-2.08	6.90	6.35e-03	-1.18e-03	-1.26e-03	-2.40
		-3.31	-1.26e-03	3.74e-05	0.0	53.6	-2.08	-9.57	6.35e-03	-1.18e-03	3.25e-04	-3.31
46	127	-6.51	2.78e-03	5.75e-05	-16.47	0.0	-3.89	12.63	-9.19e-03	1.67e-03	2.78e-03	-9.26
		-9.26	-3.59e-04	-3.71e-05	0.0	53.6	-3.89	-3.84	-9.19e-03	1.67e-03	-3.59e-04	-6.70
46	136	-1.37	2.21e-03	-2.72e-05	-16.47	0.0	-2.16	6.76	6.14e-03	0.01	-1.20e-03	-2.11
		-2.90	-1.20e-03	1.98e-05	0.0	53.6	-2.16	-9.71	6.14e-03	0.01	2.21e-03	-2.90
46	139	-6.90	2.71e-03	5.86e-05	-16.47	0.0	-3.81	12.77	-8.98e-03	-0.01	2.71e-03	-9.54
		-9.54	-2.25e-03	-1.94e-05	0.0	53.6	-3.81	-3.70	-8.98e-03	-0.01	-2.25e-03	-7.12
46	141	-4.98	-1.16e-03	1.76e-05	-16.47	0.0	-3.06	9.94	7.93e-03	0.03	-1.16e-03	-6.17
		-6.17	-4.09e-03	1.08e-04	0.0	53.6	-3.06	-6.53	7.93e-03	0.03	-4.09e-03	-6.01
46	142	-3.52	4.05e-03	2.94e-05	-16.47	0.0	-2.91	9.59	-0.01	-0.03	2.68e-03	-5.49
		-5.49	2.68e-03	-1.08e-04	0.0	53.6	-2.91	-6.88	-0.01	-0.03	4.05e-03	-4.01
46	156	-1.36	3.68e-04	-2.89e-05	-16.47	0.0	-1.97	6.54	7.33e-03	-1.38e-03	-1.51e-03	-1.97
		-3.10	-1.51e-03	4.26e-05	0.0	53.6	-1.97	-9.93	7.33e-03	-1.38e-03	3.68e-04	-3.10
46	159	-6.76	3.03e-03	6.17e-05	-16.47	0.0	-4.00	12.99	-0.01	1.88e-03	3.03e-03	-9.69
		-9.69	-4.03e-04	-4.23e-05	0.0	53.6	-4.00	-3.48	-0.01	1.88e-03	-4.03e-04	-6.92
46	168	-0.98	2.51e-03	-3.01e-05	-16.47	0.0	-2.05	6.39	7.13e-03	0.02	-1.45e-03	-1.65
		-2.63	-1.45e-03	2.26e-05	0.0	53.6	-2.05	-10.08	7.13e-03	0.02	2.51e-03	-2.63
46	171	-7.20	2.96e-03	6.30e-05	-16.47	0.0	-3.91	13.14	-9.97e-03	-0.02	2.96e-03	-10.01
		-10.01	-2.54e-03	-2.23e-05	0.0	53.6	-3.91	-3.33	-9.97e-03	-0.02	-2.54e-03	-7.38
46	184	-2.82	4.07e-03	-2.04e-05	-16.47	0.0	-2.54	8.07	0.01	0.03	-1.79e-03	-3.89
		-3.96	-1.79e-03	1.39e-04	0.0	53.6	-2.54	-8.40	0.01	0.03	4.07e-03	-3.96
46	187	-5.64	3.31e-03	4.88e-05	-16.47	0.0	-3.43	11.45	-0.01	-0.03	3.31e-03	-7.77
		-7.77	-4.11e-03	-1.39e-04	0.0	53.6	-3.43	-5.02	-0.01	-0.03	-4.11e-03	-6.05
46	188	-1.42	3.57e-04	-2.84e-05	-16.47	0.0	-1.99	6.60	7.20e-03	-1.48e-03	-1.48e-03	-2.05
		-3.13	-1.48e-03	4.97e-05	0.0	53.6	-1.99	-9.87	7.20e-03	-1.48e-03	3.57e-04	-3.13
46	191	-6.72	2.99e-03	6.09e-05	-16.47	0.0	-3.98	12.93	-0.01	1.98e-03	2.99e-03	-9.61
		-9.61	-3.92e-04	-4.93e-05	0.0	53.6	-3.98	-3.54	-0.01	1.98e-03	-3.92e-04	-6.88
46	200	-1.03	2.57e-03	-2.97e-05	-16.47	0.0	-2.07	6.42	7.32e-03	0.02	-1.47e-03	-1.70
		-2.67	-1.47e-03	2.58e-05	0.0	53.6	-2.07	-10.05	7.32e-03	0.02	2.57e-03	-2.67
46	203	-7.16	2.99e-03	6.25e-05	-16.47	0.0	-3.90	13.11	-0.01	-0.02	2.99e-03	-9.96
		-9.96	-2.60e-03	-2.54e-05	0.0	53.6	-3.90	-3.36	-0.01	-0.02	-2.60e-03	-7.35
46	216	-2.56	4.92e-03	-2.29e-05	-16.47	0.0	-2.46	7.77	0.01	0.03	-2.31e-03	-3.55
		-3.78	-2.31e-03	1.77e-04	0.0	53.6	-2.46	-8.70	0.01	0.03	4.92e-03	-3.78
46	219	-5.87	3.82e-03	5.31e-05	-16.47	0.0	-3.51	11.76	-0.02	-0.03	3.82e-03	-8.11
		-8.11	-4.95e-03	-1.77e-04	0.0	53.6	-3.51	-4.71	-0.02	-0.03	-4.95e-03	-6.23
46	220	-0.93	4.20e-04	-3.24e-05	-16.47	0.0	-1.83	6.09	8.64e-03	-1.92e-03	-1.84e-03	-1.44
		-2.83	-1.84e-03	6.25e-05	0.0	53.6	-1.83	-10.38	8.64e-03	-1.92e-03	4.20e-04	-2.83
46	223	-7.08	3.36e-03	6.68e-05	-16.47	0.0	-4.14	13.44	-0.01	2.42e-03	3.36e-03	-10.22
		-10.22	-4.54e-04	-6.21e-05	0.0	53.6	-4.14	-3.03	-0.01	2.42e-03	-4.54e-04	-7.18
46	232	-0.46	3.08e-03	-3.42e-05	-16.47	0.0	-1.92	5.86	9.03e-03	0.02	-1.89e-03	-1.02
		-2.28	-1.89e-03	3.23e-05	0.0	53.6	-1.92	-10.61	9.03e-03	0.02	3.08e-03	-2.28
46	235	-7.60	3.40e-03	6.90e-05	-16.47	0.0	-4.05	13.67	-0.01	-0.02	3.40e-03	-10.64
		-10.64	-3.12e-03	-3.19e-05	0.0	53.6	-4.05	-2.80	-0.01	-0.02	-3.12e-03	-7.73
47	19	-3.00	7.34e-04	1.79e-05	-8.14	0.0	-2.56	5.62	-1.15e-03	-1.81e-05	7.34e-04	-4.04
		-4.04	1.25e-04	0.0	0.0	53.6	-2.56	-2.53	-1.15e-03	-1.81e-05	1.25e-04	-3.21

47	28	-9.84	1.66e-03	7.51e-05	-31.23	0.0	-7.29	21.17	2.67e-03	3.77e-04	3.06e-04	-13.68
		-13.68	3.06e-04	0.0	0.0	53.6	-7.29	-10.07	2.67e-03	3.77e-04	1.66e-03	-10.71
47	45	-4.42	7.66e-04	4.14e-05	-8.14	0.0	-3.84	6.87	1.83e-03	6.78e-06	-1.93e-04	-5.97
		-5.97	-1.93e-04	0.0	0.0	53.6	-3.84	-1.27	1.83e-03	6.78e-06	7.66e-04	-4.47
47	72	-3.47	5.92e-04	2.34e-05	-8.98	0.0	-2.84	6.37	-5.95e-04	1.29e-05	5.92e-04	-4.68
		-4.68	2.71e-04	0.0	0.0	53.6	-2.84	-2.61	-5.95e-04	1.29e-05	2.71e-04	-3.67
47	80	-6.93	1.14e-03	5.32e-05	-21.47	0.0	-5.18	14.66	1.78e-03	2.47e-04	2.36e-04	-9.62
		-9.62	2.36e-04	0.0	0.0	53.6	-5.18	-6.81	1.78e-03	2.47e-04	1.14e-03	-7.51
47	85	-4.42	6.99e-04	3.90e-05	-8.98	0.0	-3.69	7.20	1.39e-03	2.95e-05	-2.65e-05	-5.97
		-5.97	-2.65e-05	0.0	0.0	53.6	-3.69	-1.77	1.39e-03	2.95e-05	6.99e-04	-4.51
47	98	-5.63	8.15e-04	4.21e-05	-17.72	0.0	-4.18	12.02	8.74e-04	1.73e-04	3.79e-04	-7.81
		-7.81	3.79e-04	0.0	0.0	53.6	-4.18	-5.70	8.74e-04	1.73e-04	8.15e-04	-6.12
47	102	-3.86	4.35e-04	2.96e-05	-8.98	0.0	-3.04	6.70	1.81e-04	3.79e-05	3.49e-04	-5.20
		-5.20	3.49e-04	0.0	0.0	53.6	-3.04	-2.28	1.81e-04	3.79e-05	4.35e-04	-4.01
47	104	-4.05	5.21e-04	3.27e-05	-8.98	0.0	-3.21	6.87	5.78e-04	4.12e-05	2.25e-04	-5.45
		-5.45	2.25e-04	0.0	0.0	53.6	-3.21	-2.11	5.78e-04	4.12e-05	5.21e-04	-4.18
47	106	-3.95	4.76e-04	3.11e-05	-8.98	0.0	-3.10	6.78	3.75e-04	4.41e-05	2.88e-04	-5.33
		-5.33	2.88e-04	0.0	0.0	53.6	-3.10	-2.19	3.75e-04	4.41e-05	4.76e-04	-4.09
47	107	-5.39	7.66e-04	4.05e-05	-16.47	0.0	-4.02	11.27	8.02e-04	1.55e-04	3.66e-04	-7.46
		-7.46	3.66e-04	0.0	0.0	53.6	-4.02	-5.20	8.02e-04	1.55e-04	7.66e-04	-5.83
47	113	-5.84	3.64e-05	4.43e-05	-16.47	0.0	-4.02	11.64	9.90e-03	0.02	-3.41e-03	-8.04
		-8.04	-3.41e-03	9.10e-05	0.0	53.6	-4.02	-4.83	9.90e-03	0.02	3.64e-05	-6.21
47	114	-4.94	4.15e-03	3.68e-05	-16.47	0.0	-4.02	10.91	-8.29e-03	-0.02	4.15e-03	-6.87
		-6.87	1.50e-03	-9.08e-05	0.0	53.6	-4.02	-5.56	-8.29e-03	-0.02	1.50e-03	-5.44
47	136	-0.62	7.92e-04	-2.75e-05	-16.47	0.0	-4.61	6.89	-1.30e-03	0.01	7.92e-04	-1.39
		-2.11	-1.27e-04	1.96e-05	0.0	53.6	-4.61	-9.58	-1.30e-03	0.01	-1.27e-04	-2.11
47	139	-9.53	1.66e-03	9.17e-05	-16.47	0.0	-3.43	15.66	2.90e-03	-0.01	-5.97e-05	-13.53
		-13.53	-5.97e-05	-1.94e-05	0.0	53.6	-3.43	-0.81	2.90e-03	-0.01	1.66e-03	-9.54
47	145	-5.89	-5.53e-05	4.47e-05	-16.47	0.0	-4.03	11.68	0.01	0.02	-3.87e-03	-8.12
		-8.12	-3.87e-03	1.03e-04	0.0	53.6	-4.03	-4.79	0.01	0.02	-5.53e-05	-6.26
47	146	-4.89	4.61e-03	3.64e-05	-16.47	0.0	-4.02	10.86	-9.42e-03	-0.02	4.61e-03	-6.80
		-6.80	1.59e-03	-1.03e-04	0.0	53.6	-4.02	-5.61	-9.42e-03	-0.02	1.59e-03	-5.40
47	168	0.02	8.45e-04	-3.17e-05	-16.47	0.0	-4.68	6.34	-1.54e-03	0.02	8.45e-04	-0.63
		-1.65	-2.34e-04	2.26e-05	0.0	53.6	-4.68	-10.13	-1.54e-03	0.02	-2.34e-04	-1.65
47	171	-10.01	1.77e-03	9.82e-05	-16.47	0.0	-3.37	16.21	3.15e-03	-0.01	-1.13e-04	-14.29
		-14.29	-1.13e-04	-2.24e-05	0.0	53.6	-3.37	-0.26	3.15e-03	-0.01	1.77e-03	-10.01
47	173	-5.78	5.04e-06	4.37e-05	-16.47	0.0	-4.05	11.59	0.01	0.03	-3.71e-03	-7.97
		-7.97	-3.71e-03	1.09e-04	0.0	53.6	-4.05	-4.88	0.01	0.03	5.04e-06	-6.17
47	174	-4.99	4.44e-03	3.74e-05	-16.47	0.0	-3.99	10.96	-9.35e-03	-0.03	4.44e-03	-6.94
		-6.94	1.53e-03	-1.09e-04	0.0	53.6	-3.99	-5.51	-9.35e-03	-0.03	1.53e-03	-5.49
47	200	-0.05	8.05e-04	-3.14e-05	-16.47	0.0	-4.62	6.39	-1.34e-03	0.02	8.05e-04	-0.71
		-1.70	-1.83e-04	2.63e-05	0.0	53.6	-4.62	-10.08	-1.34e-03	0.02	-1.83e-04	-1.70
47	203	-9.96	1.72e-03	9.76e-05	-16.47	0.0	-3.42	16.15	2.95e-03	-0.02	-7.32e-05	-14.20
		-14.20	-7.32e-05	-2.61e-05	0.0	53.6	-3.42	-0.32	2.95e-03	-0.02	1.72e-03	-9.96
47	205	-5.85	-1.19e-04	4.41e-05	-16.47	0.0	-4.06	11.63	0.01	0.03	-4.39e-03	-8.05
		-8.05	-4.39e-03	1.34e-04	0.0	53.6	-4.06	-4.84	0.01	0.03	-1.19e-04	-6.23
47	206	-4.93	5.12e-03	3.70e-05	-16.47	0.0	-3.98	10.91	-0.01	-0.03	5.12e-03	-6.86
		-6.86	1.65e-03	-1.34e-04	0.0	53.6	-3.98	-5.56	-0.01	-0.03	1.65e-03	-5.43
47	232	0.91	8.59e-04	-3.82e-05	-16.47	0.0	-4.72	5.58	-1.59e-03	0.02	8.59e-04	0.41
		-1.02	-3.10e-04	3.32e-05	0.0	53.6	-4.72	-10.89	-1.59e-03	0.02	-3.10e-04	-1.02
47	235	-10.64	1.84e-03	1.07e-04	-16.47	0.0	-3.32	16.97	3.19e-03	-0.02	-1.27e-04	-15.32
		-15.32	-1.27e-04	-3.30e-05	0.0	53.6	-3.32	0.50	3.19e-03	-0.02	1.84e-03	-10.64
48	18	-10.26	1.02e-03	7.32e-05	-25.62	0.0	-6.24	20.42	7.97e-03	-6.81e-05	-3.14e-03	-14.62
		-14.62	-3.14e-03	0.0	0.0	53.6	-6.24	-5.20	7.97e-03	-6.81e-05	1.02e-03	-10.54
48	19	-4.00	7.39e-04	2.61e-05	-8.14	0.0	-3.01	7.12	2.94e-03	-2.48e-04	-8.13e-04	-5.67
		-5.67	-8.13e-04	0.0	0.0	53.6	-3.01	-1.02	2.94e-03	-2.48e-04	7.39e-04	-4.04
48	28	-13.40	3.66e-04	1.13e-04	-31.23	0.0	-7.20	25.46	0.01	2.12e-04	-5.00e-03	-18.96
		-18.96	-5.00e-03	0.0	0.0	53.6	-7.20	-5.78	0.01	2.12e-04	3.66e-04	-13.68
48	72	-4.65	6.01e-04	3.45e-05	-8.98	0.0	-3.17	8.01	3.43e-03	-1.85e-04	-1.20e-03	-6.57
		-6.57	-1.20e-03	0.0	0.0	53.6	-3.17	-0.97	3.43e-03	-1.85e-04	6.01e-04	-4.68
48	75	-7.34	7.16e-04	5.34e-05	-17.72	0.0	-4.48	14.31	5.67e-03	-6.33e-05	-2.25e-03	-10.45
		-10.45	-2.25e-03	0.0	0.0	53.6	-4.48	-3.40	5.67e-03	-6.33e-05	7.16e-04	-7.52
48	80	-9.44	2.77e-04	7.98e-05	-21.47	0.0	-5.12	17.68	7.22e-03	1.24e-04	-3.49e-03	-13.34
		-13.34	-3.49e-03	0.0	0.0	53.6	-5.12	-3.79	7.22e-03	1.24e-04	2.77e-04	-9.62
48	98	-7.66	4.09e-04	6.30e-05	-17.72	0.0	-4.29	14.54	5.87e-03	2.53e-05	-2.65e-03	-10.86
		-10.86	-2.65e-03	0.0	0.0	53.6	-4.29	-3.18	5.87e-03	2.53e-05	4.09e-04	-7.81
48	102	-5.19	3.64e-04	4.42e-05	-8.98	0.0	-3.17	8.40	3.80e-03	-1.02e-04	-1.63e-03	-7.29
		-7.29	-1.63e-03	0.0	0.0	53.6	-3.17	-0.58	3.80e-03	-1.02e-04	3.64e-04	-5.20
48	103	-7.19	4.53e-04	5.83e-05	-16.47	0.0	-4.13	13.58	5.49e-03	-1.07e-05	-2.42e-03	-10.19
		-10.19	-2.42e-03	0.0	0.0	53.6	-4.13	-2.89	5.49e-03	-1.07e-05	4.53e-04	-7.33
48	106	-5.32	3.04e-04	4.66e-05	-8.98	0.0	-3.17	8.49	3.89e-03	-8.10e-05	-1.74e-03	-7.47
		-7.47	-1.74e-03	0.0	0.0	53.6	-3.17	-0.48	3.89e-03	-8.10e-05	3.04e-04	-5.33
48	107	-7.33	3.94e-04	6.07e-05	-16.47	0.0	-4.13	13.67	5.58e-03	1.01e-05	-2.52e-03	-10.38
		-10.38	-2.52e-03	0.0	0.0	53.6	-4.13	-2.80	5.58e-03	1.01e-05	3.94e-04	-7.46
48	108	-4.29	0.01	1.71e-05	-16.47	0.0	-5.29	11.22	-0.02	0.02	0.01	-6.34

		-6.34	-1.25e-03	7.82e-05	0.0	53.6	-5.29	-5.25	-0.02	0.02	-1.25e-03	-4.74
48	111	-10.18	2.04e-03	1.04e-04	-16.47	0.0	-2.98	16.13	0.03	-0.02	-0.02	-14.41
		-14.41	-0.02	-7.81e-05	0.0	53.6	-2.98	-0.34	0.03	-0.02	2.04e-03	-10.18
48	136	-0.26	5.29e-03	-4.07e-05	-16.47	0.0	-5.86	8.15	-7.92e-03	0.02	5.29e-03	-1.35
		-1.39	6.06e-04	1.89e-05	0.0	53.6	-5.86	-8.32	-7.92e-03	0.02	6.06e-04	-1.39
48	139	-13.53	1.82e-04	1.53e-04	-16.47	0.0	-2.40	19.20	0.02	-0.02	-0.01	-19.41
		-19.41	-0.01	-1.88e-05	0.0	53.6	-2.40	2.73	0.02	-0.02	1.82e-04	-13.53
48	140	-3.90	0.02	-1.28e-05	-16.47	0.0	-5.43	10.91	-0.03	0.03	0.02	-5.83
		-5.83	-1.43e-03	8.87e-05	0.0	53.6	-5.43	-5.56	-0.03	0.03	-1.43e-03	-4.40
48	143	-10.52	2.22e-03	1.10e-04	-16.47	0.0	-2.84	16.43	0.04	-0.03	-0.02	-14.92
		-14.92	-0.02	-8.85e-05	0.0	53.6	-2.84	-0.04	0.04	-0.03	2.22e-03	-10.52
48	168	0.69	6.22e-03	-4.96e-05	-16.47	0.0	-6.07	7.46	-9.54e-03	0.02	6.22e-03	-0.21
		-0.63	6.33e-04	2.18e-05	0.0	53.6	-6.07	-9.01	-9.54e-03	0.02	6.33e-04	-0.63
48	171	-14.29	1.55e-04	1.64e-04	-16.47	0.0	-2.19	19.89	0.02	-0.02	-0.01	-20.54
		-20.54	-0.01	-2.17e-05	0.0	53.6	-2.19	3.42	0.02	-0.02	1.55e-04	-14.29
48	172	-3.97	0.01	1.24e-05	-16.47	0.0	-5.41	10.98	-0.02	0.03	0.01	-5.93
		-5.93	-1.14e-03	1.02e-04	0.0	53.6	-5.41	-5.49	-0.02	0.03	-1.14e-03	-4.46
48	175	-10.45	1.93e-03	1.09e-04	-16.47	0.0	-2.85	16.37	0.04	-0.03	-0.02	-14.82
		-14.82	-0.02	-1.02e-04	0.0	53.6	-2.85	-0.10	0.04	-0.03	1.93e-03	-10.45
48	200	0.59	5.55e-03	-4.88e-05	-16.47	0.0	-6.02	7.54	-8.40e-03	0.02	5.55e-03	-0.34
		-0.71	6.01e-04	2.60e-05	0.0	53.6	-6.02	-8.93	-8.40e-03	0.02	6.01e-04	-0.71
48	203	-14.20	1.87e-04	1.63e-04	-16.47	0.0	-2.24	19.81	0.02	-0.02	-0.01	-20.41
		-20.41	-0.01	-2.59e-05	0.0	53.6	-2.24	3.34	0.02	-0.02	1.87e-04	-14.20
48	204	-3.41	0.02	-1.65e-05	-16.47	0.0	-5.63	10.54	-0.03	0.03	0.02	-5.22
		-5.22	-1.34e-03	1.27e-04	0.0	53.6	-5.63	-5.93	-0.03	0.03	-1.34e-03	-3.98
48	207	-10.94	2.13e-03	1.17e-04	-16.47	0.0	-2.64	16.80	0.04	-0.03	-0.02	-15.53
		-15.53	-0.02	-1.27e-04	0.0	53.6	-2.64	0.33	0.04	-0.03	2.13e-03	-10.94
48	232	2.02	6.69e-03	-6.29e-05	-16.47	0.0	-6.35	6.52	-0.01	0.02	6.69e-03	1.33
		0.41	6.25e-04	3.32e-05	0.0	53.6	-6.35	-9.95	-0.01	0.02	6.25e-04	0.41
48	235	-15.32	1.63e-04	1.80e-04	-16.47	0.0	-1.92	20.83	0.02	-0.02	-0.01	-22.08
		-22.08	-0.01	-3.31e-05	0.0	53.6	-1.92	4.36	0.02	-0.02	1.63e-04	-15.32
49	4	-17.34	3.21e-03	7.93e-05	-31.23	0.0	-8.12	36.03	-0.01	-1.57e-04	3.21e-03	-28.29
		-28.29	-4.07e-03	0.0	0.0	53.6	-8.12	4.80	-0.01	-1.57e-04	-4.07e-03	-17.34
49	19	-5.67	6.10e-03	1.86e-05	-8.14	0.0	-3.78	11.25	-0.01	-1.81e-04	6.10e-03	-9.52
		-9.52	-8.54e-04	0.0	0.0	53.6	-3.78	3.11	-0.01	-1.81e-04	-8.54e-04	-5.67
49	22	-11.49	6.27e-03	4.13e-05	-21.26	0.0	-6.07	24.60	-0.02	-1.61e-04	6.27e-03	-18.98
		-18.98	-2.42e-03	0.0	0.0	53.6	-6.07	3.34	-0.02	-1.61e-04	-2.42e-03	-11.49
49	28	-18.96	-4.97e-03	1.11e-04	-31.23	0.0	-7.75	37.13	2.04e-05	-8.17e-05	-5.04e-03	-30.50
		-30.50	-5.04e-03	0.0	0.0	53.6	-7.75	5.89	2.04e-05	-8.17e-05	-4.97e-03	-18.96
49	41	-11.52	-3.12e-03	9.03e-05	-12.50	0.0	-4.56	18.83	9.05e-03	-8.87e-05	-7.94e-03	-18.26
		-18.26	-7.94e-03	0.0	0.0	53.6	-4.56	6.32	9.05e-03	-8.87e-05	-3.12e-03	-11.52
49	45	-8.38	-2.36e-03	7.15e-05	-8.14	0.0	-3.16	13.07	9.97e-03	-5.59e-05	-2.65e-03	-13.21
		-13.21	-7.65e-03	0.0	0.0	53.6	-3.16	4.93	9.97e-03	-5.59e-05	-2.65e-03	-8.38
49	68	-12.26	2.02e-03	5.76e-05	-21.47	0.0	-5.77	25.16	-9.34e-03	-1.19e-04	2.02e-03	-20.00
		-20.00	-2.86e-03	0.0	0.0	53.6	-5.77	3.70	-9.34e-03	-1.19e-04	-2.86e-03	-12.26
49	72	-6.57	3.75e-03	2.97e-05	-8.98	0.0	-3.81	12.47	-9.50e-03	-1.57e-04	3.75e-03	-10.85
		-10.85	-1.23e-03	0.0	0.0	53.6	-3.81	3.50	-9.50e-03	-1.57e-04	-1.23e-03	-6.57
49	75	-10.45	3.87e-03	4.48e-05	-17.72	0.0	-5.33	21.37	-0.01	-1.44e-04	3.87e-03	-17.16
		-17.16	-2.27e-03	0.0	0.0	53.6	-5.33	3.65	-0.01	-1.44e-04	-2.27e-03	-10.45
49	80	-13.34	-3.47e-03	7.88e-05	-21.47	0.0	-5.52	25.89	-5.44e-05	-6.90e-05	-3.48e-03	-21.47
		-21.47	-3.48e-03	0.0	0.0	53.6	-5.52	4.42	-5.44e-05	-6.90e-05	-3.47e-03	-13.34
49	85	-8.38	-2.23e-03	6.49e-05	-8.98	0.0	-3.39	13.69	5.96e-03	-7.37e-05	-5.41e-03	-13.31
		-13.31	-5.41e-03	0.0	0.0	53.6	-3.39	4.71	5.96e-03	-7.37e-05	-2.23e-03	-8.38
49	98	-10.86	-8.75e-04	6.07e-05	-17.72	0.0	-4.81	21.36	-3.43e-03	-9.58e-05	-8.75e-04	-17.56
		-17.56	-2.65e-03	0.0	0.0	53.6	-4.81	3.64	-3.43e-03	-9.58e-05	-2.65e-03	-10.86
49	102	-7.29	1.21e-05	4.36e-05	-8.98	0.0	-3.57	12.97	-3.18e-03	-1.19e-04	1.21e-05	-11.84
		-11.84	-1.63e-03	0.0	0.0	53.6	-3.57	3.99	-3.18e-03	-1.19e-04	-1.63e-03	-7.29
49	103	-10.19	5.32e-05	5.53e-05	-16.47	0.0	-4.68	20.05	-4.75e-03	-1.07e-04	5.32e-05	-16.53
		-16.53	-2.42e-03	0.0	0.0	53.6	-4.68	3.58	-4.75e-03	-1.07e-04	-2.42e-03	-10.19
49	104	-7.65	-1.82e-03	5.07e-05	-8.98	0.0	-3.49	13.21	-8.82e-05	-1.02e-04	-1.82e-03	-12.33
		-12.33	-1.84e-03	0.0	0.0	53.6	-3.49	4.24	-8.82e-05	-1.02e-04	-1.84e-03	-7.65
49	106	-7.47	-9.23e-04	4.71e-05	-8.98	0.0	-3.51	13.09	-1.60e-03	-1.09e-04	-9.23e-04	-12.09
		-12.09	-1.74e-03	0.0	0.0	53.6	-3.51	4.12	-1.60e-03	-1.09e-04	-1.74e-03	-7.47
49	107	-10.38	-8.82e-04	5.88e-05	-16.47	0.0	-4.63	20.18	-3.17e-03	-9.77e-05	-8.82e-04	-16.78
		-16.78	-2.52e-03	0.0	0.0	53.6	-4.63	3.71	-3.17e-03	-9.77e-05	-2.52e-03	-10.38
49	108	-6.34	0.39	-2.81e-05	-16.47	0.0	-6.82	19.49	-0.70	0.02	0.39	-11.56
		-11.56	9.20e-03	6.54e-05	0.0	53.6	-6.82	3.02	-0.70	0.02	9.20e-03	-6.34
49	111	-14.41	-0.01	1.40e-04	-16.47	0.0	-2.43	20.86	0.70	-0.02	-0.39	-22.00
		-22.00	-0.39	-6.47e-05	0.0	53.6	-2.43	4.39	0.70	-0.02	-0.01	-14.41
49	132	-1.30	3.28e-03	-1.11e-04	-16.47	0.0	-8.08	15.00	0.10	0.01	-0.06	-4.76
		-4.76	-0.06	1.98e-05	0.0	53.6	-8.08	-1.47	0.10	0.01	3.28e-03	-1.36
49	135	-19.39	0.06	2.28e-04	-16.47	0.0	-1.17	25.35	-0.11	-0.02	0.06	-28.80
		-28.80	-8.32e-03	-1.91e-05	0.0	53.6	-1.17	8.88	-0.11	-0.02	-8.32e-03	-19.39
49	136	-1.29	2.69e-03	-1.11e-04	-16.47	0.0	-8.08	14.99	0.15	0.01	-0.08	-4.75
		-4.75	-0.08	1.77e-05	0.0	53.6	-8.08	-1.48	0.15	0.01	2.69e-03	-1.35

49	139	-19.41	0.08	2.29e-04	-16.47	0.0	-1.17	25.36	-0.15	-0.01	0.08	-28.81
		-28.81	-7.72e-03	-1.71e-05	0.0	53.6	-1.17	8.89	-0.15	-0.01	-7.72e-03	-19.41
49	140	-5.83	0.44	-3.62e-05	-16.47	0.0	-7.10	19.41	-0.79	0.02	0.44	-10.91
		-10.91	0.01	7.41e-05	0.0	53.6	-7.10	2.94	-0.79	0.02	0.01	-5.83
49	143	-14.92	-0.02	1.51e-04	-16.47	0.0	-2.16	20.94	0.79	-0.02	-0.44	-22.65
		-22.65	-0.44	-7.34e-05	0.0	53.6	-2.16	4.47	0.79	-0.02	-0.02	-14.92
49	168	-0.11	3.32e-03	-1.32e-04	-16.47	0.0	-8.51	14.35	0.17	0.01	-0.09	-3.25
		-3.25	-0.09	2.05e-05	0.0	53.6	-8.51	-2.12	0.17	0.01	3.32e-03	-0.11
49	171	-20.54	0.09	2.50e-04	-16.47	0.0	-0.74	26.00	-0.17	-0.02	0.09	-30.32
		-30.32	-8.36e-03	-1.98e-05	0.0	53.6	-0.74	9.53	-0.17	-0.02	-8.36e-03	-20.54
49	172	-5.93	0.42	-3.50e-05	-16.47	0.0	-7.07	19.40	-0.76	0.02	0.42	-11.06
		-11.06	0.01	8.76e-05	0.0	53.6	-7.07	2.93	-0.76	0.02	0.01	-5.93
49	175	-14.82	-0.02	1.49e-04	-16.47	0.0	-2.19	20.96	0.76	-0.02	-0.42	-22.50
		-22.50	-0.42	-8.70e-05	0.0	53.6	-2.19	4.49	0.76	-0.02	-0.02	-14.82
49	200	-0.24	2.96e-03	-1.31e-04	-16.47	0.0	-8.45	14.45	0.17	0.01	-0.09	-3.43
		-3.43	-0.09	2.49e-05	0.0	53.6	-8.45	-2.02	0.17	0.01	2.96e-03	-0.24
49	203	-20.41	0.09	2.48e-04	-16.47	0.0	-0.80	25.90	-0.17	-0.01	0.09	-30.13
		-30.13	-8.00e-03	-2.42e-05	0.0	53.6	-0.80	9.43	-0.17	-0.01	-8.00e-03	-20.41
49	204	-5.22	0.48	-4.77e-05	-16.47	0.0	-7.48	19.25	-0.88	0.03	0.48	-10.15
		-10.15	0.01	1.11e-04	0.0	53.6	-7.48	2.78	-0.88	0.03	0.01	-5.22
49	207	-15.53	-0.02	1.64e-04	-16.47	0.0	-1.77	21.10	0.87	-0.03	-0.48	-23.41
		-23.41	-0.48	-1.10e-04	0.0	53.6	-1.77	4.63	0.87	-0.03	-0.02	-15.53
49	232	1.52	3.81e-03	-1.62e-04	-16.47	0.0	-9.10	13.51	0.19	0.02	-0.11	-1.22
		-1.22	-0.11	3.21e-05	0.0	53.6	-9.10	-2.96	0.19	0.02	3.81e-03	1.52
49	235	-22.08	0.10	2.80e-04	-16.47	0.0	-0.15	26.84	-0.20	-0.02	0.10	-32.34
		-32.34	-8.85e-03	-3.15e-05	0.0	53.6	-0.15	10.37	-0.20	-0.02	-8.85e-03	-22.08
50	4	-0.05	3.32e-03	1.06e-03	-34.36	0.0	-9.79	-33.55	5.59e-03	0.0	2.05e-04	-0.05
		-28.29	2.05e-04	0.0	0.0	55.7	-9.79	-67.91	5.59e-03	0.0	3.32e-03	-28.29
50	21	0.28	6.44e-03	6.63e-04	-23.10	0.0	-7.27	-20.81	0.01	0.0	2.67e-04	0.28
		-17.73	2.67e-04	-1.13e-06	0.0	55.7	-7.27	-43.91	0.01	0.0	6.44e-03	-17.73
50	22	0.20	6.55e-03	7.08e-04	-23.10	0.0	-7.62	-22.90	0.01	0.0	2.72e-04	0.20
		-18.98	2.72e-04	-1.15e-06	0.0	55.7	-7.62	-46.00	0.01	0.0	6.55e-03	-18.98
50	28	-0.88	-6.84e-05	1.15e-03	-34.36	0.0	-8.61	-36.04	-9.50e-03	0.0	-6.84e-05	-0.88
		-30.50	-5.36e-03	1.32e-06	0.0	55.7	-8.61	-70.40	-9.50e-03	0.0	-5.36e-03	-30.50
50	41	-1.72	-2.33e-04	6.92e-04	-14.92	0.0	-4.73	-22.25	-0.01	0.0	-2.33e-04	-1.72
		-18.26	-8.40e-03	1.48e-06	0.0	55.7	-4.73	-37.17	-0.01	0.0	-8.40e-03	-18.26
50	45	-1.55	-2.37e-04	5.01e-04	-9.49	0.0	-3.08	-16.19	-0.01	0.0	-2.37e-04	-1.55
		-13.21	-8.09e-03	1.35e-06	0.0	55.7	-3.08	-25.68	-0.01	0.0	-8.09e-03	-13.21
50	68	-0.17	2.08e-03	7.51e-04	-23.57	0.0	-6.95	-23.83	3.49e-03	0.0	1.33e-04	-0.17
		-20.00	1.33e-04	0.0	0.0	55.7	-6.95	-47.40	3.49e-03	0.0	2.08e-03	-20.00
50	74	-0.06	3.95e-03	6.11e-04	-19.68	0.0	-6.36	-19.37	6.78e-03	0.0	1.77e-04	-0.06
		-16.33	1.77e-04	0.0	0.0	55.7	-6.36	-39.05	6.78e-03	0.0	3.95e-03	-16.33
50	75	-0.12	4.02e-03	6.41e-04	-19.68	0.0	-6.60	-20.76	6.90e-03	0.0	1.81e-04	-0.12
		-17.16	1.81e-04	0.0	0.0	55.7	-6.60	-40.45	6.90e-03	0.0	4.02e-03	-17.16
50	80	-0.72	-4.88e-05	8.11e-04	-23.57	0.0	-6.16	-25.49	-6.57e-03	0.0	-4.88e-05	-0.72
		-21.47	-3.70e-03	0.0	0.0	55.7	-6.16	-49.06	-6.57e-03	0.0	-3.70e-03	-21.47
50	85	-1.29	-1.59e-04	5.03e-04	-10.61	0.0	-3.57	-16.29	-0.01	0.0	-1.59e-04	-1.29
		-13.31	-5.74e-03	1.02e-06	0.0	55.7	-3.57	-26.90	-0.01	0.0	-5.74e-03	-13.31
50	98	-0.53	2.45e-05	6.62e-04	-19.68	0.0	-5.64	-20.76	-1.78e-03	0.0	2.45e-05	-0.53
		-17.56	-9.68e-04	0.0	0.0	55.7	-5.64	-40.44	-1.78e-03	0.0	-9.68e-04	-17.56
50	103	-0.48	5.04e-05	6.22e-04	-18.39	0.0	-5.57	-19.65	-7.47e-05	0.0	5.04e-05	-0.48
		-16.53	8.88e-06	0.0	0.0	55.7	-5.57	-38.03	-7.47e-05	0.0	8.88e-06	-16.53
50	104	-0.93	-3.81e-05	4.63e-04	-10.61	0.0	-4.04	-15.19	-3.46e-03	0.0	-3.81e-05	-0.93
		-12.33	-1.96e-03	0.0	0.0	55.7	-4.04	-25.80	-3.46e-03	0.0	-1.96e-03	-12.33
50	106	-0.84	-7.95e-06	4.53e-04	-10.61	0.0	-4.16	-14.91	-1.82e-03	0.0	-7.95e-06	-0.84
		-12.09	-1.02e-03	0.0	0.0	55.7	-4.16	-25.52	-1.82e-03	0.0	-1.02e-03	-12.09
50	107	-0.57	1.99e-05	6.32e-04	-18.39	0.0	-5.43	-19.92	-1.79e-03	0.0	1.99e-05	-0.57
		-16.78	-9.75e-04	0.0	0.0	55.7	-5.43	-38.31	-1.79e-03	0.0	-9.75e-04	-16.78
50	108	-0.33	0.43	4.06e-04	-18.39	0.0	-8.75	-13.25	0.75	0.0	8.41e-03	-0.33
		-11.56	8.41e-03	6.24e-06	0.0	55.7	-8.75	-31.63	0.75	0.0	0.43	-11.56
50	111	-0.81	-8.37e-03	8.57e-04	-18.39	0.0	-2.10	-26.60	-0.75	0.0	-8.37e-03	-0.81
		-22.00	-0.43	-5.34e-06	0.0	55.7	-2.10	-44.99	-0.75	0.0	-0.43	-22.00
50	132	2.66	-1.30e-03	1.27e-04	-18.39	0.0	-10.69	-4.81	-0.11	0.0	-1.30e-03	2.66
		-4.76	-0.06	2.76e-05	0.0	55.7	-10.69	-23.20	-0.11	0.0	-0.06	-4.76
50	134	3.06	-5.58e-03	1.82e-04	-18.39	0.0	-9.52	-6.38	-0.50	0.0	-5.58e-03	3.06
		-6.00	-0.28	1.87e-05	0.0	55.7	-9.52	-24.77	-0.50	0.0	-0.28	-6.00
50	135	-3.81	0.06	1.14e-03	-18.39	0.0	-0.16	-35.04	0.11	0.0	1.34e-03	-3.81
		-28.80	1.34e-03	-2.67e-05	0.0	55.7	-0.16	-53.42	0.11	0.0	0.06	-28.80
50	139	-3.81	0.09	1.14e-03	-18.39	0.0	-0.17	-35.05	0.15	0.0	1.77e-03	-3.81
		-28.81	1.77e-03	-2.55e-05	0.0	55.7	-0.17	-53.44	0.15	0.0	0.09	-28.81
50	140	-0.30	0.48	3.78e-04	-18.39	0.0	-9.17	-12.41	0.84	0.0	9.46e-03	-0.30
		-10.91	9.46e-03	7.55e-06	0.0	55.7	-9.17	-30.80	0.84	0.0	0.48	-10.91
50	143	-0.84	-9.42e-03	8.85e-04	-18.39	0.0	-1.69	-27.43	-0.85	0.0	-9.42e-03	-0.84
		-22.65	-0.48	-6.65e-06	0.0	55.7	-1.69	-45.82	-0.85	0.0	-0.48	-22.65
50	164	3.07	-1.46e-03	6.43e-05	-18.39	0.0	-11.35	-2.93	-0.12	0.0	-1.46e-03	3.07

		-3.26	-0.07	3.09e-05	0.0	55.7	-11.35	-21.31	-0.12	0.0	-0.07	-3.26
50	166	3.51	-6.28e-03	1.26e-04	-18.39	0.0	-10.02	-4.70	-0.56	0.0	-6.28e-03	3.51
		-4.65	-0.32	2.06e-05	0.0	55.7	-10.02	-23.08	-0.56	0.0	-0.32	-4.65
50	167	-4.21	0.07	1.20e-03	-18.39	0.0	0.49	-36.92	0.12	0.0	1.50e-03	-4.21
		-30.30	1.50e-03	-3.00e-05	0.0	55.7	0.49	-55.31	0.12	0.0	0.07	-30.30
50	171	-4.22	0.10	1.20e-03	-18.39	0.0	0.49	-36.94	0.17	0.0	1.99e-03	-4.22
		-30.32	1.99e-03	-2.94e-05	0.0	55.7	0.49	-55.33	0.17	0.0	0.10	-30.32
50	172	-0.28	0.46	3.83e-04	-18.39	0.0	-9.13	-12.57	0.81	0.0	9.07e-03	-0.28
		-11.06	9.07e-03	2.37e-05	0.0	55.7	-9.13	-30.95	0.81	0.0	0.46	-11.06
50	175	-0.87	-9.03e-03	8.80e-04	-18.39	0.0	-1.72	-27.28	-0.81	0.0	-9.03e-03	-0.87
		-22.50	-0.46	-2.28e-05	0.0	55.7	-1.72	-45.67	-0.81	0.0	-0.46	-22.50
50	198	3.45	-6.03e-03	1.33e-04	-18.39	0.0	-9.93	-4.92	-0.54	0.0	-6.03e-03	3.45
		-4.81	-0.30	1.21e-05	0.0	55.7	-9.93	-23.30	-0.54	0.0	-0.30	-4.81
50	200	3.03	-1.96e-03	7.04e-05	-18.39	0.0	-11.28	-3.14	-0.18	0.0	-1.96e-03	3.03
		-3.43	-0.10	3.48e-05	0.0	55.7	-11.28	-21.53	-0.18	0.0	-0.10	-3.43
50	203	-4.18	0.10	1.19e-03	-18.39	0.0	0.42	-36.71	0.17	0.0	2.00e-03	-4.18
		-30.13	2.00e-03	-3.39e-05	0.0	55.7	0.42	-55.10	0.17	0.0	0.10	-30.13
50	204	-0.22	0.53	3.43e-04	-18.39	0.0	-9.76	-11.38	0.93	0.0	0.01	-0.22
		-10.15	0.01	3.74e-05	0.0	55.7	-9.76	-29.76	0.93	0.0	0.53	-10.15
50	207	-0.93	-0.01	9.20e-04	-18.39	0.0	-1.10	-28.47	-0.94	0.0	-0.01	-0.93
		-23.41	-0.53	-3.65e-05	0.0	55.7	-1.10	-46.86	-0.94	0.0	-0.53	-23.41
50	232	3.62	-2.26e-03	-4.12e-05	-18.39	0.0	-12.28	-0.36	-0.20	0.0	-2.26e-03	3.62
		-1.22	-0.11	4.36e-05	0.0	55.7	-12.28	-18.74	-0.20	0.0	-0.11	-1.22
50	234	4.11	-6.34e-03	5.37e-05	-18.39	0.0	-10.63	-2.54	-0.55	0.0	-6.34e-03	4.11
		-2.91	-0.32	4.57e-06	0.0	55.7	-10.63	-20.92	-0.55	0.0	-0.32	-2.91
50	235	-4.77	0.11	1.29e-03	-18.39	0.0	1.42	-39.49	0.20	0.0	2.30e-03	-4.77
		-32.34	2.30e-03	-4.27e-05	0.0	55.7	1.42	-57.88	0.20	0.0	0.11	-32.34
51	4	6.02	1.17e-03	6.19e-04	-34.36	0.0	-3.92	6.97	-1.74e-03	0.0	1.17e-03	5.63
		-0.05	2.05e-04	0.0	0.0	55.7	-3.92	-27.39	-1.74e-03	0.0	2.05e-04	-0.05
51	16	2.79	1.46e-03	3.51e-04	-14.92	0.0	-3.17	1.77	-2.22e-03	0.0	1.46e-03	2.73
		-0.44	2.27e-04	-1.22e-06	0.0	55.7	-3.17	-13.15	-2.22e-03	0.0	2.27e-04	-0.44
51	42	2.24	-8.25e-06	4.87e-04	-14.92	0.0	-2.03	0.19	-3.96e-04	0.0	-8.25e-06	2.24
		-1.81	-2.29e-04	1.47e-06	0.0	55.7	-2.03	-14.73	-3.96e-04	0.0	-2.29e-04	-1.81
51	45	1.24	-2.37e-04	3.42e-04	-9.49	0.0	-1.22	-0.27	8.51e-05	0.0	-2.85e-04	1.24
		-1.55	-2.85e-04	1.36e-06	0.0	55.7	-1.22	-9.76	8.51e-05	0.0	-2.37e-04	-1.55
51	47	3.49	-1.89e-04	5.10e-04	-23.10	0.0	-1.93	3.59	2.14e-04	0.0	-3.08e-04	3.34
		-1.09	-3.08e-04	1.54e-06	0.0	55.7	-1.93	-19.50	2.14e-04	0.0	-1.89e-04	-1.09
51	68	4.10	8.48e-04	4.41e-04	-23.57	0.0	-2.81	4.55	-1.28e-03	0.0	8.48e-04	3.86
		-0.17	1.33e-04	0.0	0.0	55.7	-2.81	-19.02	-1.28e-03	0.0	1.33e-04	-0.17
51	73	1.95	1.04e-03	2.63e-04	-10.61	0.0	-2.31	1.08	-1.61e-03	0.0	1.04e-03	1.92
		-0.43	1.48e-04	0.0	0.0	55.7	-2.31	-9.53	-1.61e-03	0.0	1.48e-04	-0.43
51	85	1.50	-1.60e-06	3.35e-04	-10.61	0.0	-1.45	0.30	-2.82e-04	0.0	-1.60e-06	1.50
		-1.29	-1.59e-04	1.03e-06	0.0	55.7	-1.45	-10.31	-2.82e-04	0.0	-1.59e-04	-1.29
51	86	1.59	6.16e-05	3.53e-04	-10.61	0.0	-1.54	0.03	-3.90e-04	0.0	6.16e-05	1.59
		-1.34	-1.56e-04	1.02e-06	0.0	55.7	-1.54	-10.58	-3.90e-04	0.0	-1.56e-04	-1.34
51	98	3.22	5.32e-04	4.02e-04	-19.68	0.0	-2.26	3.40	-9.12e-04	0.0	5.32e-04	3.06
		-0.53	2.45e-05	0.0	0.0	55.7	-2.26	-16.28	-9.12e-04	0.0	2.45e-05	-0.53
51	102	1.71	6.34e-04	2.80e-04	-10.61	0.0	-1.87	0.93	-1.10e-03	0.0	6.34e-04	1.69
		-0.74	2.26e-05	0.0	0.0	55.7	-1.87	-9.68	-1.10e-03	0.0	2.26e-05	-0.74
51	103	3.04	6.21e-04	3.77e-04	-18.39	0.0	-2.27	3.14	-1.02e-03	0.0	6.21e-04	2.89
		-0.48	5.04e-05	0.0	0.0	55.7	-2.27	-15.25	-1.02e-03	0.0	5.04e-05	-0.48
51	104	1.64	4.37e-04	2.99e-04	-10.61	0.0	-1.72	0.72	-8.54e-04	0.0	4.37e-04	1.63
		-0.93	-3.81e-05	0.0	0.0	55.7	-1.72	-9.89	-8.54e-04	0.0	-3.81e-05	-0.93
51	106	1.67	5.47e-04	2.90e-04	-10.61	0.0	-1.78	0.82	-9.97e-04	0.0	5.47e-04	1.66
		-0.84	-7.95e-06	0.0	0.0	55.7	-1.78	-9.79	-9.97e-04	0.0	-7.95e-06	-0.84
51	107	2.99	5.34e-04	3.86e-04	-18.39	0.0	-2.19	3.03	-9.24e-04	0.0	5.34e-04	2.86
		-0.57	1.99e-05	0.0	0.0	55.7	-2.19	-15.36	-9.24e-04	0.0	1.99e-05	-0.57
51	113	2.12	8.20e-03	4.28e-04	-18.39	0.0	-2.61	2.60	0.08	0.0	-0.03	2.09
		-2.26	-0.03	-7.05e-06	0.0	55.7	-2.61	-15.79	0.08	0.0	8.20e-03	-2.26
51	114	3.96	0.04	3.43e-04	-18.39	0.0	-1.77	3.46	-0.08	0.0	0.04	3.62
		1.12	-8.16e-03	7.94e-06	0.0	55.7	-1.77	-14.93	-0.08	0.0	-8.16e-03	1.12
51	124	4.43	6.33e-03	-3.37e-05	-18.39	0.0	-5.27	6.70	0.05	0.0	4.14e-03	3.84
		2.23	4.14e-03	-3.34e-05	0.0	55.7	-5.27	-11.69	0.05	0.0	6.33e-03	2.23
51	127	1.88	-3.07e-03	7.77e-04	-18.39	0.0	0.89	-0.64	-0.05	0.0	-3.07e-03	1.88
		-3.38	-6.29e-03	3.43e-05	0.0	55.7	0.89	-19.02	-0.05	0.0	-6.29e-03	-3.38
51	133	1.38	5.62e-03	7.60e-04	-18.39	0.0	0.13	-0.48	0.06	0.0	-0.03	1.38
		-4.20	-0.03	-2.62e-05	0.0	55.7	0.13	-18.87	0.06	0.0	5.62e-03	-4.20
51	134	5.06	0.03	-2.63e-05	-18.39	0.0	-4.51	6.54	-0.06	0.0	0.03	4.34
		3.06	-5.58e-03	2.71e-05	0.0	55.7	-4.51	-11.85	-0.06	0.0	-5.58e-03	3.06
51	145	2.02	9.22e-03	4.33e-04	-18.39	0.0	-2.66	2.55	0.09	0.0	-0.04	2.00
		-2.47	-0.04	-7.44e-06	0.0	55.7	-2.66	-15.84	0.09	0.0	9.22e-03	-2.47
51	146	4.08	0.04	3.38e-04	-18.39	0.0	-1.72	3.51	-0.09	0.0	0.04	3.72
		1.33	-9.18e-03	8.34e-06	0.0	55.7	-1.72	-14.87	-0.09	0.0	-9.18e-03	1.33
51	156	4.64	7.12e-03	-6.38e-05	-18.39	0.0	-5.65	7.15	0.06	0.0	4.56e-03	3.96
		2.58	4.56e-03	-3.73e-05	0.0	55.7	-5.65	-11.23	0.06	0.0	7.12e-03	2.58

51	159	1.76	-3.49e-03	8.25e-04	-18.39	0.0	1.28	-1.09	-0.06	0.0	-3.49e-03	1.76
		-3.72	-7.08e-03	3.82e-05	0.0	55.7	1.28	-19.48	-0.06	0.0	-7.08e-03	-3.72
51	165	1.19	6.32e-03	8.06e-04	-18.39	0.0	0.42	-0.92	0.06	0.0	-0.03	1.19
		-4.66	-0.03	-2.92e-05	0.0	55.7	0.42	-19.30	0.06	0.0	6.32e-03	-4.66
51	166	5.34	0.03	-5.21e-05	-18.39	0.0	-4.80	6.98	-0.06	0.0	0.03	4.52
		3.51	-6.28e-03	3.01e-05	0.0	55.7	-4.80	-11.41	-0.06	0.0	-6.28e-03	3.51
51	177	2.06	8.82e-03	4.34e-04	-18.39	0.0	-2.68	2.55	0.08	0.0	-0.04	2.03
		-2.41	-0.04	8.73e-06	0.0	55.7	-2.68	-15.84	0.08	0.0	8.82e-03	-2.41
51	178	4.04	0.04	3.38e-04	-18.39	0.0	-1.70	3.52	-0.08	0.0	0.04	3.68
		1.27	-8.78e-03	-7.84e-06	0.0	55.7	-1.70	-14.87	-0.08	0.0	-8.78e-03	1.27
51	197	1.22	6.07e-03	8.01e-04	-18.39	0.0	0.38	-0.86	0.06	0.0	-0.03	1.22
		-4.59	-0.03	-2.10e-05	0.0	55.7	0.38	-19.25	0.06	0.0	6.07e-03	-4.59
51	198	5.30	0.03	-4.88e-05	-18.39	0.0	-4.75	6.93	-0.06	0.0	0.03	4.50
		3.45	-6.03e-03	2.19e-05	0.0	55.7	-4.75	-11.46	-0.06	0.0	-6.03e-03	3.45
51	200	5.02	0.01	-8.57e-05	-18.39	0.0	-5.59	7.39	-0.03	0.0	0.01	4.30
		3.03	-1.96e-03	3.18e-05	0.0	55.7	-5.59	-11.00	-0.03	0.0	-1.96e-03	3.03
51	203	1.42	2.00e-03	8.53e-04	-18.39	0.0	1.22	-1.33	0.02	0.0	-0.01	1.42
		-4.18	-0.01	-3.09e-05	0.0	55.7	1.22	-19.72	0.02	0.0	2.00e-03	-4.18
51	209	1.92	0.01	4.42e-04	-18.39	0.0	-2.78	2.46	0.09	0.0	-0.04	1.91
		-2.70	-0.04	1.97e-05	0.0	55.7	-2.78	-15.92	0.09	0.0	0.01	-2.70
51	210	4.20	0.04	3.29e-04	-18.39	0.0	-1.60	3.60	-0.10	0.0	0.04	3.80
		1.55	-0.01	-1.89e-05	0.0	55.7	-1.60	-14.79	-0.10	0.0	-0.01	1.55
51	230	5.73	0.03	-1.00e-04	-18.39	0.0	-5.18	7.57	-0.07	0.0	0.03	4.76
		4.10	-6.95e-03	2.12e-05	0.0	55.7	-5.18	-10.82	-0.07	0.0	-6.95e-03	4.10
51	232	5.40	0.01	-1.59e-04	-18.39	0.0	-6.18	8.11	-0.03	0.0	0.01	4.54
		3.62	-2.26e-03	3.99e-05	0.0	55.7	-6.18	-10.27	-0.03	0.0	-2.26e-03	3.62
51	233	0.98	6.38e-03	8.67e-04	-18.39	0.0	0.77	-1.48	0.06	0.0	-0.03	0.98
		-5.25	-0.03	-1.84e-05	0.0	55.7	0.77	-19.87	0.06	0.0	6.38e-03	-5.25
51	235	1.18	2.30e-03	9.31e-04	-18.39	0.0	1.80	-2.05	0.03	0.0	-0.01	1.18
		-4.77	-0.01	-3.90e-05	0.0	55.7	1.80	-20.44	0.03	0.0	2.30e-03	-4.77
52	4	6.04	0.02	3.36e-04	-34.36	0.0	-0.77	27.28	-0.03	0.0	0.02	0.01
		0.01	1.17e-03	0.0	0.0	55.7	-0.77	-7.08	-0.03	0.0	1.17e-03	5.63
52	18	5.14	0.02	2.79e-04	-28.53	0.0	-0.85	22.93	-0.03	0.0	0.02	0.01
		0.01	1.44e-03	-1.18e-06	0.0	55.7	-0.85	-5.60	-0.03	0.0	1.44e-03	4.83
52	45	1.42	-2.85e-04	2.50e-04	-9.49	0.0	-0.08	6.96	0.01	0.0	-7.35e-03	5.12e-03
		5.12e-03	-7.35e-03	1.38e-06	0.0	55.7	-0.08	-2.53	0.01	0.0	-2.85e-04	1.24
52	68	4.13	0.01	2.45e-04	-23.57	0.0	-0.55	18.70	-0.02	0.0	0.01	8.37e-03
		8.37e-03	8.48e-04	0.0	0.0	55.7	-0.55	-4.87	-0.02	0.0	8.48e-04	3.86
52	75	3.54	0.01	2.07e-04	-19.68	0.0	-0.60	15.80	-0.02	0.0	0.01	7.72e-03
		7.72e-03	1.03e-03	0.0	0.0	55.7	-0.60	-3.88	-0.02	0.0	1.03e-03	3.32
52	85	1.68	-1.60e-06	2.35e-04	-10.61	0.0	-0.16	7.99	5.88e-03	0.0	-3.27e-03	5.42e-03
		5.42e-03	-3.27e-03	1.03e-06	0.0	55.7	-0.16	-2.63	5.88e-03	0.0	-1.60e-06	1.50
52	98	3.32	6.65e-03	2.38e-04	-19.68	0.0	-0.38	15.32	-0.01	0.0	6.65e-03	7.19e-03
		7.19e-03	5.32e-04	0.0	0.0	55.7	-0.38	-4.36	-0.01	0.0	5.32e-04	3.06
52	103	3.13	7.40e-03	2.23e-04	-18.39	0.0	-0.41	14.38	-0.01	0.0	7.40e-03	6.98e-03
		6.98e-03	6.21e-04	0.0	0.0	55.7	-0.41	-4.01	-0.01	0.0	6.21e-04	2.89
52	104	1.77	2.79e-03	1.99e-04	-10.61	0.0	-0.28	8.22	-4.22e-03	0.0	2.79e-03	5.53e-03
		5.53e-03	4.37e-04	0.0	0.0	55.7	-0.28	-2.40	-4.22e-03	0.0	4.37e-04	1.63
52	105	3.08	4.80e-03	2.40e-04	-18.39	0.0	-0.34	14.26	-7.85e-03	0.0	4.80e-03	6.93e-03
		6.93e-03	4.24e-04	0.0	0.0	55.7	-0.34	-4.13	-7.85e-03	0.0	4.24e-04	2.83
52	106	1.80	4.30e-03	1.91e-04	-10.61	0.0	-0.31	8.27	-6.75e-03	0.0	4.30e-03	5.55e-03
		5.55e-03	5.47e-04	0.0	0.0	55.7	-0.31	-2.34	-6.75e-03	0.0	5.47e-04	1.66
52	107	3.11	6.31e-03	2.32e-04	-18.39	0.0	-0.37	14.32	-0.01	0.0	6.31e-03	6.96e-03
		6.96e-03	5.34e-04	0.0	0.0	55.7	-0.37	-4.07	-0.01	0.0	5.34e-04	2.86
52	111	3.13	0.28	4.16e-04	-18.39	0.0	0.20	14.37	-0.45	0.0	0.28	2.65e-03
		2.65e-03	0.03	2.16e-05	0.0	55.7	0.20	-4.01	-0.45	0.0	0.03	2.89
52	113	2.54	-0.03	2.75e-04	-18.39	0.0	-0.56	12.93	0.58	0.0	-0.36	0.01
		0.01	-0.36	-1.86e-05	0.0	55.7	-0.56	-5.45	0.58	0.0	-0.03	2.09
52	114	3.73	0.37	1.88e-04	-18.39	0.0	-0.17	15.70	-0.60	0.0	0.37	3.81e-03
		3.81e-03	0.04	1.94e-05	0.0	55.7	-0.17	-2.69	-0.60	0.0	0.04	3.62
52	124	3.92	0.03	-1.53e-04	-18.39	0.0	-1.13	16.07	-0.05	0.0	0.03	0.01
		0.01	4.14e-03	-3.89e-05	0.0	55.7	-1.13	-2.32	-0.05	0.0	4.14e-03	3.84
52	127	2.39	-3.07e-03	6.16e-04	-18.39	0.0	0.40	12.56	0.03	0.0	-0.02	3.68e-03
		3.68e-03	-0.02	3.96e-05	0.0	55.7	0.40	-5.82	0.03	0.0	-3.07e-03	1.88
52	134	4.37	0.28	-1.42e-04	-18.39	0.0	-0.83	16.98	-0.46	0.0	0.28	7.55e-03
		7.55e-03	0.03	3.24e-05	0.0	55.7	-0.83	-1.41	-0.46	0.0	0.03	4.34
52	143	3.13	0.31	4.39e-04	-18.39	0.0	0.27	14.38	-0.51	0.0	0.31	2.11e-03
		2.11e-03	0.03	2.38e-05	0.0	55.7	0.27	-4.01	-0.51	0.0	0.03	2.89
52	145	2.48	-0.04	2.80e-04	-18.39	0.0	-0.59	12.76	0.65	0.0	-0.40	0.01
		0.01	-0.40	-2.05e-05	0.0	55.7	-0.59	-5.62	0.65	0.0	-0.04	2.00
52	146	3.81	0.42	1.83e-04	-18.39	0.0	-0.15	15.87	-0.68	0.0	0.42	3.41e-03
		3.41e-03	0.04	2.13e-05	0.0	55.7	-0.15	-2.52	-0.68	0.0	0.04	3.72
52	156	4.02	0.04	-2.01e-04	-18.39	0.0	-1.23	16.29	-0.06	0.0	0.04	0.01
		0.01	4.56e-03	-4.35e-05	0.0	55.7	-1.23	-2.10	-0.06	0.0	4.56e-03	3.96
52	159	2.31	-3.49e-03	6.64e-04	-18.39	0.0	0.50	12.35	0.04	0.0	-0.02	3.27e-03

		3.27e-03	-0.02	4.43e-05	0.0	55.7	0.50	-6.04	0.04	0.0	-3.49e-03	1.76
52	166	4.54	0.32	-1.89e-04	-18.39	0.0	-0.89	17.31	-0.51	0.0	0.32	7.61e-03
		7.61e-03	0.03	3.61e-05	0.0	55.7	-0.89	-1.08	-0.51	0.0	0.03	4.52
52	175	3.11	0.30	4.33e-04	-18.39	0.0	0.27	14.34	-0.49	0.0	0.30	2.36e-03
		2.36e-03	0.03	8.28e-06	0.0	55.7	0.27	-4.05	-0.49	0.0	0.03	2.87
52	177	2.50	-0.04	2.81e-04	-18.39	0.0	-0.59	12.83	0.62	0.0	-0.38	0.01
		0.01	-0.38	-4.94e-06	0.0	55.7	-0.59	-5.56	0.62	0.0	-0.04	2.03
52	178	3.78	0.40	1.82e-04	-18.39	0.0	-0.14	15.80	-0.64	0.0	0.40	3.60e-03
		3.60e-03	0.04	5.73e-06	0.0	55.7	-0.14	-2.58	-0.64	0.0	0.04	3.68
52	192	4.03	0.07	-1.93e-04	-18.39	0.0	-1.22	16.30	-0.11	0.0	0.07	0.01
		0.01	7.74e-03	-3.96e-05	0.0	55.7	-1.22	-2.09	-0.11	0.0	7.74e-03	3.96
52	195	2.31	-6.67e-03	6.56e-04	-18.39	0.0	0.48	12.33	0.09	0.0	-0.06	3.77e-03
		3.77e-03	-0.06	4.03e-05	0.0	55.7	0.48	-6.05	0.09	0.0	-6.67e-03	1.75
52	198	4.52	0.30	-1.84e-04	-18.39	0.0	-0.88	17.26	-0.50	0.0	0.30	7.56e-03
		7.56e-03	0.03	2.83e-05	0.0	55.7	-0.88	-1.13	-0.50	0.0	0.03	4.50
52	207	3.10	0.34	4.65e-04	-18.39	0.0	0.38	14.32	-0.55	0.0	0.34	1.70e-03
		1.70e-03	0.03	-2.53e-06	0.0	55.7	0.38	-4.07	-0.55	0.0	0.03	2.86
52	209	2.42	-0.04	2.90e-04	-18.39	0.0	-0.64	12.61	0.72	0.0	-0.44	0.01
		0.01	-0.44	5.18e-06	0.0	55.7	-0.64	-5.78	0.72	0.0	-0.04	1.91
52	210	3.89	0.45	1.73e-04	-18.39	0.0	-0.10	16.02	-0.74	0.0	0.45	3.13e-03
		3.13e-03	0.04	-4.85e-06	0.0	55.7	-0.10	-2.36	-0.74	0.0	0.04	3.80
52	224	4.19	0.08	-2.62e-04	-18.39	0.0	-1.36	16.62	-0.12	0.0	0.08	0.01
		0.01	8.85e-03	-4.16e-05	0.0	55.7	-1.36	-1.77	-0.12	0.0	8.85e-03	4.14
52	227	2.18	-7.78e-03	7.25e-04	-18.39	0.0	0.62	12.01	0.10	0.0	-0.07	3.29e-03
		3.29e-03	-0.07	4.24e-05	0.0	55.7	0.62	-6.37	0.10	0.0	-7.78e-03	1.57
52	230	4.76	0.35	-2.52e-04	-18.39	0.0	-0.97	17.74	-0.57	0.0	0.35	7.65e-03
		7.65e-03	0.03	2.91e-05	0.0	55.7	-0.97	-0.65	-0.57	0.0	0.03	4.76
53	4	-5.14	-6.18e-03	-1.98e-05	-15.69	0.0	-5.28	7.84	-8.83e-03	9.13e-03	-6.18e-03	-6.19
		-6.20	-0.01	0.0	0.0	53.6	-5.28	-7.85	-8.83e-03	9.13e-03	-0.01	-6.20
53	19	-1.74	-3.94e-03	-8.73e-06	-4.17	0.0	-1.98	1.86	3.45e-04	0.01	-3.94e-03	-1.97
		-2.09	-5.02e-03	0.0	0.0	53.6	-1.98	-2.31	3.45e-04	0.01	-5.02e-03	-2.09
53	28	-5.48	-4.00e-03	-1.38e-05	-15.69	0.0	-5.91	8.34	-0.01	-3.13e-03	-4.00e-03	-6.67
		-6.67	-0.01	0.0	0.0	53.6	-5.91	-7.35	-0.01	-3.13e-03	-0.01	-6.40
53	45	-2.29	-3.01e-04	1.03e-05	-4.17	0.0	-3.02	2.69	-6.46e-03	-6.61e-03	-3.01e-04	-2.75
		-2.75	-3.09e-03	0.0	0.0	53.6	-3.02	-1.48	-6.46e-03	-6.61e-03	-3.09e-03	-2.43
53	68	-3.63	-4.27e-03	-1.33e-05	-10.80	0.0	-3.77	5.42	-6.31e-03	6.11e-03	-4.27e-03	-4.36
		-4.36	-8.15e-03	0.0	0.0	53.6	-3.77	-5.38	-6.31e-03	6.11e-03	-8.15e-03	-4.35
53	72	-1.97	-3.29e-03	-6.97e-06	-4.58	0.0	-2.23	2.21	-1.47e-03	9.34e-03	-3.29e-03	-2.26
		-2.30	-4.92e-03	0.0	0.0	53.6	-2.23	-2.37	-1.47e-03	9.34e-03	-4.92e-03	-2.30
53	80	-3.86	-2.82e-03	-9.32e-06	-10.80	0.0	-4.19	5.75	-9.03e-03	-2.07e-03	-2.82e-03	-4.67
		-4.67	-7.38e-03	0.0	0.0	53.6	-4.19	-5.05	-9.03e-03	-2.07e-03	-7.38e-03	-4.49
53	85	-2.33	-8.66e-04	7.18e-06	-4.58	0.0	-2.92	2.77	-6.01e-03	-4.28e-03	-8.66e-04	-2.78
		-2.78	-3.63e-03	0.0	0.0	53.6	-2.92	-1.82	-6.01e-03	-4.28e-03	-3.63e-03	-2.53
53	98	-3.15	-2.77e-03	-9.01e-06	-8.93	0.0	-3.39	4.65	-6.84e-03	5.55e-04	-2.77e-03	-3.79
		-3.79	-6.42e-03	0.0	0.0	53.6	-3.39	-4.28	-6.84e-03	5.55e-04	-6.42e-03	-3.69
53	102	-2.12	-2.06e-03	-4.05e-06	-4.58	0.0	-2.43	2.43	-3.94e-03	2.12e-03	-2.06e-03	-2.47
		-2.47	-4.33e-03	0.0	0.0	53.6	-2.43	-2.15	-3.94e-03	2.12e-03	-4.33e-03	-2.39
53	104	-2.19	-1.57e-03	-2.83e-06	-4.58	0.0	-2.57	2.54	-4.84e-03	-6.02e-04	-1.57e-03	-2.57
		-2.57	-4.07e-03	0.0	0.0	53.6	-2.57	-2.04	-4.84e-03	-6.02e-04	-4.07e-03	-2.44
53	106	-2.16	-1.75e-03	-3.41e-06	-4.58	0.0	-2.48	2.49	-4.55e-03	3.19e-04	-1.75e-03	-2.52
		-2.52	-4.18e-03	0.0	0.0	53.6	-2.48	-2.10	-4.55e-03	3.19e-04	-4.18e-03	-2.41
53	107	-3.00	-2.62e-03	-8.21e-06	-8.31	0.0	-3.26	4.34	-6.51e-03	5.21e-04	-2.62e-03	-3.61
		-3.61	-6.10e-03	0.0	0.0	53.6	-3.26	-3.97	-6.51e-03	5.21e-04	-6.10e-03	-3.51
53	108	-0.60	-5.30e-03	-1.54e-05	-8.31	0.0	7.77	4.86	-0.01	0.03	-5.30e-03	-0.95
		-1.41	-8.99e-03	1.10e-04	0.0	53.6	7.77	-3.45	-0.01	0.03	-8.99e-03	-1.41
53	111	-5.34	5.25e-05	8.24e-06	-8.31	0.0	-14.29	3.82	1.33e-04	-0.03	5.25e-05	-6.28
		-6.28	-3.21e-03	-1.09e-04	0.0	53.6	-14.29	-4.49	1.33e-04	-0.03	-3.21e-03	-5.61
53	112	-0.76	-5.66e-03	-1.67e-05	-8.31	0.0	5.28	4.69	-0.01	0.03	-5.66e-03	-1.10
		-1.60	-9.12e-03	1.02e-04	0.0	53.6	5.28	-3.62	-0.01	0.03	-9.12e-03	-1.60
53	115	-5.17	4.17e-04	1.06e-05	-8.31	0.0	-11.80	3.99	-2.09e-04	-0.03	4.17e-04	-6.13
		-6.13	-3.07e-03	-1.01e-04	0.0	53.6	-11.80	-4.32	-2.09e-04	-0.03	-3.07e-03	-5.43
53	127	-5.11	-1.01e-03	3.12e-05	-8.31	0.0	-10.51	6.01	-1.48e-03	-0.02	-1.01e-03	-6.43
		-6.43	-3.59e-03	-4.24e-05	0.0	53.6	-10.51	-2.30	-1.48e-03	-0.02	-3.59e-03	-5.23
53	140	-0.29	-5.62e-03	-1.63e-05	-8.31	0.0	9.16	4.93	-0.01	0.04	-5.62e-03	-0.61
		-1.15	-9.32e-03	1.24e-04	0.0	53.6	9.16	-3.38	-0.01	0.04	-9.32e-03	-1.15
53	143	-5.63	3.74e-04	9.32e-06	-8.31	0.0	-15.69	3.75	9.57e-04	-0.03	3.74e-04	-6.61
		-6.61	-2.88e-03	-1.24e-04	0.0	53.6	-15.69	-4.56	9.57e-04	-0.03	-2.88e-03	-5.88
53	144	-0.47	-6.03e-03	-1.79e-05	-8.31	0.0	6.36	4.74	-0.01	0.04	-6.03e-03	-0.78
		-1.35	-9.47e-03	1.15e-04	0.0	53.6	6.36	-3.58	-0.01	0.04	-9.47e-03	-1.35
53	147	-5.43	7.86e-04	1.20e-05	-8.31	0.0	-12.88	3.95	5.69e-04	-0.04	7.86e-04	-6.45
		-6.45	-2.73e-03	-1.14e-04	0.0	53.6	-12.88	-4.36	5.69e-04	-0.04	-2.73e-03	-5.67
53	159	-5.35	-8.21e-04	3.50e-05	-8.31	0.0	-11.43	6.22	-8.50e-04	-0.02	-8.21e-04	-6.78
		-6.78	-3.29e-03	-4.83e-05	0.0	53.6	-11.43	-2.09	-8.50e-04	-0.02	-3.29e-03	-5.44
53	172	-0.30	-5.37e-03	-1.70e-05	-8.31	0.0	9.00	4.90	-0.01	0.03	-5.37e-03	-0.61
		-1.17	-8.97e-03	1.35e-04	0.0	53.6	9.00	-3.41	-0.01	0.03	-8.97e-03	-1.17

53	175	-5.61	1.23e-04	1.03e-05	-8.31	0.0	-15.52	3.79	6.02e-04	-0.03	1.23e-04	-6.61
		-6.61	-3.23e-03	-1.35e-04	0.0	53.6	-15.52	-4.52	6.02e-04	-0.03	-3.23e-03	-5.86
53	179	-5.43	5.57e-04	1.33e-05	-8.31	0.0	-12.76	3.99	1.83e-04	-0.03	5.57e-04	-6.46
		-6.46	-3.09e-03	-1.23e-04	0.0	53.6	-12.76	-4.32	1.83e-04	-0.03	-3.09e-03	-5.66
53	191	-5.33	-9.87e-04	3.41e-05	-8.31	0.0	-11.31	6.18	-9.87e-04	-0.02	-9.87e-04	-6.74
		-6.74	-3.42e-03	-5.53e-05	0.0	53.6	-11.31	-2.14	-9.87e-04	-0.02	-3.42e-03	-5.42
53	196	-0.90	-5.70e-03	-4.45e-05	-8.31	0.0	-4.42	1.83	-0.01	0.02	-5.70e-03	-1.00
		-2.27	-9.24e-03	1.62e-05	0.0	53.6	-4.42	-6.48	-0.01	0.02	-9.24e-03	-2.27
53	204	0.18	-5.74e-03	-1.90e-05	-8.31	0.0	11.05	4.98	-0.01	0.04	-5.74e-03	-0.09
		-0.77	-9.39e-03	1.65e-04	0.0	53.6	11.05	-3.33	-0.01	0.04	-9.39e-03	-0.77
53	207	-6.05	4.99e-04	1.28e-05	-8.31	0.0	-17.57	3.70	1.68e-03	-0.04	4.99e-04	-7.13
		-7.13	-2.81e-03	-1.65e-04	0.0	53.6	-17.57	-4.61	1.68e-03	-0.04	-2.81e-03	-6.26
53	211	-5.84	1.02e-03	1.64e-05	-8.31	0.0	-14.35	3.95	1.18e-03	-0.04	1.02e-03	-6.96
		-6.96	-2.65e-03	-1.49e-04	0.0	53.6	-14.35	-4.36	1.18e-03	-0.04	-2.65e-03	-6.03
53	223	-5.68	-7.70e-04	3.96e-05	-8.31	0.0	-12.65	6.46	-7.70e-05	-0.02	-7.70e-04	-7.25
		-7.25	-2.98e-03	-6.91e-05	0.0	53.6	-12.65	-1.85	-7.70e-05	-0.02	-2.98e-03	-5.73
53	232	-0.53	-6.11e-03	-5.40e-05	-8.31	0.0	-5.12	0.53	-0.01	0.03	-6.11e-03	-0.57
		-2.15	-9.74e-03	2.93e-05	0.0	53.6	-5.12	-7.79	-0.01	0.03	-9.74e-03	-2.15
54	4	-5.42	-4.72e-03	1.71e-05	-15.69	0.0	-5.71	8.94	-8.75e-05	0.01	-4.72e-03	-6.78
		-6.78	-5.76e-03	0.0	0.0	53.6	-5.71	-6.75	-8.75e-05	0.01	-5.76e-03	-6.19
54	19	-1.70	-2.68e-03	-3.72e-06	-4.17	0.0	-2.22	2.15	1.97e-03	0.02	-2.68e-03	-2.00
		-2.00	-3.24e-03	0.0	0.0	53.6	-2.22	-2.02	1.97e-03	0.02	-3.24e-03	-1.97
54	28	-6.04	-3.37e-03	2.95e-05	-15.69	0.0	-6.26	9.65	-2.45e-03	-5.11e-03	-3.37e-03	-7.63
		-7.63	-4.21e-03	1.06e-06	0.0	53.6	-6.26	-6.04	-2.45e-03	-5.11e-03	-4.21e-03	-6.67
54	45	-2.71	-4.19e-04	2.10e-05	-4.17	0.0	-3.13	3.33	-1.97e-03	-8.69e-03	-4.19e-04	-3.42
		-3.42	-6.62e-04	0.0	0.0	53.6	-3.13	-0.84	-1.97e-03	-8.69e-03	-6.62e-04	-2.75
54	68	-3.83	-3.17e-03	1.25e-05	-10.80	0.0	-4.08	6.20	-3.10e-04	6.89e-03	-3.17e-03	-4.79
		-4.79	-3.99e-03	0.0	0.0	53.6	-4.08	-4.60	-3.10e-04	6.89e-03	-3.99e-03	-4.36
54	72	-2.02	-2.15e-03	4.24e-06	-4.58	0.0	-2.46	2.59	7.34e-04	0.01	-2.15e-03	-2.42
		-2.42	-2.83e-03	0.0	0.0	53.6	-2.46	-2.00	7.34e-04	0.01	-2.83e-03	-2.26
54	80	-4.25	-2.27e-03	2.08e-05	-10.80	0.0	-4.45	6.67	-1.89e-03	-3.42e-03	-2.27e-03	-5.36
		-5.36	-2.96e-03	0.0	0.0	53.6	-4.45	-4.13	-1.89e-03	-3.42e-03	-2.96e-03	-4.67
54	85	-2.70	-6.40e-04	1.81e-05	-4.58	0.0	-3.07	3.38	-1.89e-03	-5.81e-03	-6.40e-04	-3.36
		-3.36	-1.11e-03	0.0	0.0	53.6	-3.07	-1.21	-1.89e-03	-5.81e-03	-1.11e-03	-2.78
54	98	-3.41	-1.81e-03	1.46e-05	-8.93	0.0	-3.65	5.37	-1.80e-03	-5.34e-06	-1.81e-03	-4.28
		-4.28	-2.77e-03	0.0	0.0	53.6	-3.65	-3.56	-1.80e-03	-5.34e-06	-2.77e-03	-3.79
54	102	-2.30	-1.09e-03	9.73e-06	-4.58	0.0	-2.64	2.90	-1.28e-03	2.22e-03	-1.09e-03	-2.79
		-2.79	-1.97e-03	0.0	0.0	53.6	-2.64	-1.68	-1.28e-03	2.22e-03	-1.97e-03	-2.47
54	103	-3.20	-1.94e-03	1.27e-05	-8.31	0.0	-3.47	4.95	-1.29e-03	2.27e-03	-1.94e-03	-3.99
		-3.99	-2.84e-03	0.0	0.0	53.6	-3.47	-3.36	-1.29e-03	2.27e-03	-2.84e-03	-3.56
54	104	-2.43	-7.84e-04	1.25e-05	-4.58	0.0	-2.76	3.06	-1.80e-03	-1.22e-03	-7.84e-04	-2.98
		-2.98	-1.63e-03	0.0	0.0	53.6	-2.76	-1.52	-1.80e-03	-1.22e-03	-1.63e-03	-2.57
54	106	-2.37	-8.20e-04	1.11e-05	-4.58	0.0	-2.69	2.98	-1.78e-03	-6.89e-05	-8.20e-04	-2.89
		-2.89	-1.76e-03	0.0	0.0	53.6	-2.69	-1.60	-1.78e-03	-6.89e-05	-1.76e-03	-2.52
54	107	-3.27	-1.67e-03	1.41e-05	-8.31	0.0	-3.51	5.03	-1.80e-03	-1.44e-05	-1.67e-03	-4.08
		-4.08	-2.63e-03	0.0	0.0	53.6	-3.51	-3.28	-1.80e-03	-1.44e-05	-2.63e-03	-3.61
54	109	-1.80	1.30e-03	6.75e-06	-8.31	0.0	-8.34	4.17	-4.82e-03	0.02	1.30e-03	-2.44
		-2.44	-4.57e-03	9.63e-05	0.0	53.6	-8.34	-4.14	-4.82e-03	0.02	-4.57e-03	-2.28
54	110	-4.71	-6.86e-04	2.14e-05	-8.31	0.0	-15.37	5.89	1.23e-03	-0.02	-6.86e-04	-5.72
		-5.72	-4.64e-03	-9.53e-05	0.0	53.6	-15.37	-2.42	1.23e-03	-0.02	-4.64e-03	-4.95
54	124	0.64	8.12e-03	-2.81e-05	-8.31	0.0	-5.05	1.52	-0.02	0.02	8.12e-03	0.56
		-0.79	-4.22e-03	3.70e-05	0.0	53.6	-5.05	-6.79	-0.02	0.02	-4.22e-03	-0.79
54	127	-6.43	-1.04e-03	5.39e-05	-8.31	0.0	-1.97	8.54	0.02	-0.02	-0.01	-8.72
		-8.72	-0.01	-3.60e-05	0.0	53.6	-1.97	0.23	0.02	-0.02	-1.04e-03	-6.43
54	141	-1.61	1.68e-03	-6.96e-06	-8.31	0.0	9.84	4.06	-5.20e-03	0.02	1.68e-03	-2.22
		-2.22	-4.81e-03	1.09e-04	0.0	53.6	9.84	-4.25	-5.20e-03	0.02	-4.81e-03	-2.10
54	142	-4.90	-4.54e-04	2.24e-05	-8.31	0.0	-16.86	6.00	1.61e-03	-0.02	-5.02e-03	-5.94
		-5.94	-5.02e-03	-1.08e-04	0.0	53.6	-16.86	-2.31	1.61e-03	-0.02	-4.54e-04	-5.12
54	156	1.18	9.34e-03	-3.24e-05	-8.31	0.0	-5.24	1.08	-0.02	0.02	9.34e-03	1.14
		-0.44	-4.42e-03	4.21e-05	0.0	53.6	-5.24	-7.23	-0.02	0.02	-4.42e-03	-0.44
54	159	-6.78	-8.38e-04	5.89e-05	-8.31	0.0	-1.79	8.98	0.02	-0.02	-0.01	-9.30
		-9.30	-0.01	-4.11e-05	0.0	53.6	-1.79	0.67	0.02	-0.02	-8.38e-04	-6.78
54	173	-1.58	1.67e-03	-7.27e-06	-8.31	0.0	9.59	4.07	-5.01e-03	0.02	1.67e-03	-2.18
		-2.18	-4.68e-03	1.18e-04	0.0	53.6	9.59	-4.24	-5.01e-03	0.02	-4.68e-03	-2.08
54	174	-4.92	-5.75e-04	2.30e-05	-8.31	0.0	-16.62	5.99	1.42e-03	-0.02	-5.01e-03	-5.98
		-5.98	-5.01e-03	-1.17e-04	0.0	53.6	-16.62	-2.32	1.42e-03	-0.02	-5.75e-04	-5.14
54	188	1.10	9.17e-03	-3.17e-05	-8.31	0.0	-5.21	1.17	-0.02	0.02	9.17e-03	1.05
		-0.49	-4.40e-03	4.92e-05	0.0	53.6	-5.21	-7.14	-0.02	0.02	-4.40e-03	-0.49
54	191	-6.74	-8.63e-04	5.81e-05	-8.31	0.0	-1.82	8.89	0.02	-0.02	-0.01	-9.21
		-9.21	-0.01	-4.82e-05	0.0	53.6	-1.82	0.58	0.02	-0.02	-8.63e-04	-6.74
54	205	-1.25	2.27e-03	-8.48e-06	-8.31	0.0	11.75	3.90	-5.50e-03	0.03	2.27e-03	-1.82
		-1.82	-5.02e-03	1.44e-04	0.0	53.6	11.75	-4.41	-5.50e-03	0.03	-5.02e-03	-1.80
54	206	-5.23	-2.42e-04	2.50e-05	-8.31	0.0	-18.77	6.16	1.91e-03	-0.03	-5.61e-03	-6.34
		-6.34	-5.61e-03	-1.43e-04	0.0	53.6	-18.77	-2.15	1.91e-03	-0.03	-2.42e-04	-5.43
54	220	1.90	0.01	-3.80e-05	-8.31	0.0	-5.47	0.56	-0.03	0.02	0.01	1.89

		0.03	-4.71e-03	6.18e-05	0.0	53.6	-5.47	-7.75	-0.03	0.02	-4.71e-03	0.03
54	223	-7.25	-5.48e-04	6.53e-05	-8.31	0.0	-1.55	9.50	0.02	-0.02	-0.01	-10.05
		-10.05	-0.01	-6.08e-05	0.0	53.6	-1.55	1.19	0.02	-0.02	-5.48e-04	-7.25
54	224	1.93	0.01	-3.93e-05	-8.31	0.0	-6.15	0.49	-0.02	0.02	0.01	1.92
		-6.44e-03	-3.05e-03	7.22e-05	0.0	53.6	-6.15	-7.82	-0.02	0.02	-3.05e-03	-6.44e-03
54	227	-7.22	-2.21e-03	6.67e-05	-8.31	0.0	-0.87	9.57	0.02	-0.02	-0.01	-10.08
		-10.08	-0.01	-7.12e-05	0.0	53.6	-0.87	1.26	0.02	-0.02	-2.21e-03	-7.22
55	4	-6.30	-4.14e-03	4.24e-05	-15.69	0.0	-7.16	10.37	0.02	0.01	-0.02	-8.13
		-8.13	-0.02	0.0	0.0	53.6	-7.16	-5.32	0.02	0.01	-4.14e-03	-6.78
55	19	-1.84	-1.79e-03	7.06e-06	-4.17	0.0	-3.17	2.59	0.01	0.02	-7.78e-03	-2.27
		-2.27	-7.78e-03	0.0	0.0	53.6	-3.17	-1.58	0.01	0.02	-1.79e-03	-2.00
55	28	-7.30	-3.56e-03	5.97e-05	-15.69	0.0	-7.26	11.25	0.02	-6.89e-03	-0.01	-9.46
		-9.46	-0.01	1.45e-06	0.0	53.6	-7.26	-4.44	0.02	-6.89e-03	-3.56e-03	-7.63
55	53	-2.66	-6.69e-04	2.14e-05	-4.17	0.0	-3.15	3.32	9.33e-03	-5.73e-04	-5.58e-03	-3.37
		-3.37	-5.58e-03	0.0	0.0	53.6	-3.15	-0.85	9.33e-03	-5.73e-04	-6.69e-04	-2.71
55	68	-4.47	-2.78e-03	3.05e-05	-10.80	0.0	-5.11	7.21	0.02	7.08e-03	-0.01	-5.76
		-5.76	-0.01	0.0	0.0	53.6	-5.11	-3.59	0.02	7.08e-03	-2.78e-03	-4.79
55	72	-2.29	-1.55e-03	1.30e-05	-4.58	0.0	-3.31	3.11	0.01	0.01	-7.37e-03	-2.86
		-2.86	-7.37e-03	0.0	0.0	53.6	-3.31	-1.47	0.01	0.01	-1.55e-03	-2.42
55	80	-5.14	-2.40e-03	4.20e-05	-10.80	0.0	-5.18	7.79	0.01	-4.66e-03	-9.87e-03	-6.64
		-6.64	-9.87e-03	1.00e-06	0.0	53.6	-5.18	-3.00	0.01	-4.66e-03	-2.40e-03	-5.36
55	89	-2.83	-7.98e-04	2.26e-05	-4.58	0.0	-3.30	3.60	9.70e-03	-5.87e-04	-5.90e-03	-3.59
		-3.59	-5.90e-03	0.0	0.0	53.6	-3.30	-0.98	9.70e-03	-5.87e-04	-7.98e-04	-2.89
55	97	-2.83	-7.98e-04	2.26e-05	-4.58	0.0	-3.30	3.60	9.70e-03	-5.87e-04	-5.90e-03	-3.59
		-3.59	-5.90e-03	0.0	0.0	53.6	-3.30	-0.98	9.70e-03	-5.87e-04	-7.98e-04	-2.89
55	98	-4.07	-1.78e-03	3.12e-05	-8.93	0.0	-4.44	6.28	0.01	-6.75e-04	-8.40e-03	-5.25
		-5.25	-8.40e-03	0.0	0.0	53.6	-4.44	-2.66	0.01	-6.75e-04	-1.78e-03	-4.28
55	102	-2.72	-9.48e-04	2.07e-05	-4.58	0.0	-3.30	3.50	0.01	2.02e-03	-6.19e-03	-3.44
		-3.44	-6.19e-03	0.0	0.0	53.6	-3.30	-1.08	0.01	2.02e-03	-9.48e-04	-2.79
55	106	-2.83	-7.98e-04	2.26e-05	-4.58	0.0	-3.30	3.60	9.70e-03	-5.87e-04	-5.90e-03	-3.59
		-3.59	-5.90e-03	0.0	0.0	53.6	-3.30	-0.98	9.70e-03	-5.87e-04	-7.98e-04	-2.89
55	107	-3.89	-1.64e-03	3.00e-05	-8.31	0.0	-4.28	5.89	0.01	-6.63e-04	-8.04e-03	-5.01
		-5.01	-8.04e-03	0.0	0.0	53.6	-4.28	-2.42	0.01	-6.63e-04	-1.64e-03	-4.08
55	113	-1.99	4.19e-03	1.17e-05	-8.31	0.0	8.14	4.79	0.03	0.02	-0.01	-2.77
		-2.77	-0.01	9.14e-05	0.0	53.6	8.14	-3.53	0.03	0.02	4.19e-03	-2.37
55	114	-5.73	-1.37e-03	4.82e-05	-8.31	0.0	-16.69	7.00	-1.10e-03	-0.02	-1.37e-03	-7.26
		-7.26	-7.47e-03	-9.02e-05	0.0	53.6	-16.69	-1.31	-1.10e-03	-0.02	-7.47e-03	-5.79
55	124	2.28	8.87e-03	-3.76e-05	-8.31	0.0	-4.68	0.95	0.01	0.01	-2.68e-04	2.25
		0.56	-2.68e-04	2.97e-05	0.0	53.6	-4.68	-7.36	0.01	0.01	8.87e-03	0.56
55	132	2.32	7.09e-03	-4.05e-05	-8.31	0.0	-8.30	0.42	7.83e-03	0.02	5.67e-04	2.32
		0.33	5.67e-04	1.75e-05	0.0	53.6	-8.30	-7.90	7.83e-03	0.02	7.09e-03	0.33
55	135	-8.50	-0.01	9.97e-05	-8.31	0.0	-0.25	11.37	0.02	-0.02	-0.02	-12.34
		-12.34	-0.02	-1.63e-05	0.0	53.6	-0.25	3.06	0.02	-0.02	-0.01	-8.50
55	137	-6.86	-5.84e-03	7.79e-05	-8.31	0.0	5.22	9.83	0.02	-3.51e-03	-0.02	-9.91
		-9.91	-0.02	3.75e-05	0.0	53.6	5.22	1.52	0.02	-3.51e-03	-5.84e-03	-6.86
55	145	-1.75	4.93e-03	9.42e-06	-8.31	0.0	9.70	4.64	0.03	0.02	-0.02	-2.48
		-2.48	-0.02	1.03e-04	0.0	53.6	9.70	-3.67	0.03	0.02	4.93e-03	-2.15
55	146	-5.96	-5.44e-04	5.05e-05	-8.31	0.0	-18.25	7.14	-2.77e-03	-0.02	-5.44e-04	-7.55
		-7.55	-8.21e-03	-1.02e-04	0.0	53.6	-18.25	-1.17	-2.77e-03	-0.02	-8.21e-03	-6.01
55	156	3.16	0.01	-4.51e-05	-8.31	0.0	-4.72	0.34	0.01	0.02	6.98e-04	3.16
		1.14	6.98e-04	3.38e-05	0.0	53.6	-4.72	-7.97	0.01	0.02	0.01	1.14
55	164	3.24	8.20e-03	-4.88e-05	-8.31	0.0	-8.79	-0.27	7.29e-03	0.02	1.65e-03	3.24
		0.89	1.65e-03	1.94e-05	0.0	53.6	-8.79	-8.59	7.29e-03	0.02	8.20e-03	0.89
55	167	-9.05	-0.01	1.08e-04	-8.31	0.0	0.24	12.06	0.02	-0.02	-0.02	-13.27
		-13.27	-0.02	-1.82e-05	0.0	53.6	0.24	3.75	0.02	-0.02	-0.01	-9.05
55	169	-7.20	-6.37e-03	8.39e-05	-8.31	0.0	6.39	10.33	0.02	-3.87e-03	-0.02	-10.52
		-10.52	-0.02	4.34e-05	0.0	53.6	6.39	2.02	0.02	-3.87e-03	-6.37e-03	-7.20
55	177	-1.73	4.97e-03	9.25e-06	-8.31	0.0	9.26	4.66	0.03	0.02	-0.02	-2.46
		-2.46	-0.02	1.16e-04	0.0	53.6	9.26	-3.65	0.03	0.02	4.97e-03	-2.13
55	178	-5.98	-7.91e-04	5.07e-05	-8.31	0.0	-17.81	7.13	-2.54e-03	-0.02	-7.91e-04	-7.57
		-7.57	-8.25e-03	-1.15e-04	0.0	53.6	-17.81	-1.18	-2.54e-03	-0.02	-8.25e-03	-6.03
55	188	3.02	0.01	-4.39e-05	-8.31	0.0	-4.65	0.46	0.01	0.02	5.38e-04	3.01
		1.05	5.38e-04	4.09e-05	0.0	53.6	-4.65	-7.85	0.01	0.02	0.01	1.05
55	200	3.24	8.17e-03	-4.91e-05	-8.31	0.0	-9.54	-0.28	6.34e-03	0.02	1.35e-03	3.24
		0.88	1.35e-03	2.49e-05	0.0	53.6	-9.54	-8.60	6.34e-03	0.02	8.17e-03	0.88
55	201	-7.15	-6.29e-03	8.31e-05	-8.31	0.0	6.11	10.27	0.02	-3.84e-03	-0.02	-10.43
		-10.43	-0.02	5.46e-05	0.0	53.6	6.11	1.96	0.02	-3.84e-03	-6.29e-03	-7.15
55	203	-9.04	-0.01	1.09e-04	-8.31	0.0	0.99	12.07	0.02	-0.02	-0.02	-13.27
		-13.27	-0.02	-2.37e-05	0.0	53.6	0.99	3.76	0.02	-0.02	-0.01	-9.04
55	209	-1.32	6.16e-03	-7.41e-06	-8.31	0.0	11.37	4.45	0.03	0.03	-0.02	-1.99
		-1.99	-0.02	1.43e-04	0.0	53.6	11.37	-3.86	0.03	0.03	6.16e-03	-1.77
55	210	-6.35	3.78e-04	5.45e-05	-8.31	0.0	-19.92	7.34	-5.00e-03	-0.03	3.78e-04	-8.04
		-8.04	-9.43e-03	-1.42e-04	0.0	53.6	-19.92	-0.97	-5.00e-03	-0.03	-9.43e-03	-6.39
55	224	4.40	0.01	-5.62e-05	-8.31	0.0	-5.58	-0.51	0.01	0.02	1.54e-03	4.40
		1.92	1.54e-03	6.13e-05	0.0	53.6	-5.58	-8.82	0.01	0.02	0.01	1.92

55	232	4.70	9.98e-03	-6.27e-05	-8.31	0.0	-10.35	-1.35	5.48e-03	0.02	2.86e-03	4.70
		1.76	2.86e-03	3.15e-05	0.0	53.6	-10.35	-9.67	5.48e-03	0.02	9.98e-03	1.76
55	233	-7.63	-7.02e-03	9.16e-05	-8.31	0.0	7.79	10.97	0.03	-4.32e-03	-0.02	-11.29
		-11.29	-0.02	7.06e-05	0.0	53.6	7.79	2.66	0.03	-4.32e-03	-7.02e-03	-7.63
55	235	-9.92	-0.01	1.23e-04	-8.31	0.0	1.80	13.14	0.02	-0.02	-0.02	-14.72
		-14.72	-0.02	-3.03e-05	0.0	53.6	1.80	4.83	0.02	-0.02	-0.01	-9.92
56	4	-7.86	-0.01	7.93e-05	-15.69	0.0	-7.63	11.67	0.07	6.75e-03	-0.05	-10.19
		-10.19	-0.05	1.60e-06	0.0	53.6	-7.63	-4.02	0.07	6.75e-03	-0.01	-8.13
56	19	-2.20	-6.73e-03	1.51e-05	-4.17	0.0	-3.73	3.11	0.03	0.02	-0.02	-2.83
		-2.83	-0.02	0.0	0.0	53.6	-3.73	-1.06	0.03	0.02	-6.73e-03	-2.27
56	28	-9.29	-0.01	1.07e-04	-15.69	0.0	-7.16	12.53	0.07	-0.01	-0.05	-11.98
		-11.98	-0.05	2.88e-06	0.0	53.6	-7.16	-3.16	0.07	-0.01	-0.01	-9.46
56	45	-4.48	-6.05e-03	6.12e-05	-4.17	0.0	-2.95	4.55	0.03	-0.01	-0.02	-5.81
		-5.81	-0.02	1.74e-06	0.0	53.6	-2.95	0.38	0.03	-0.01	-6.05e-03	-4.48
56	53	-3.37	-5.50e-03	3.79e-05	-4.17	0.0	-3.26	3.83	0.03	-2.09e-03	-0.02	-4.31
		-4.31	-0.02	0.0	0.0	53.6	-3.26	-0.34	0.03	-2.09e-03	-5.50e-03	-3.37
56	68	-5.58	-0.01	5.67e-05	-10.80	0.0	-5.44	8.13	0.05	4.27e-03	-0.04	-7.22
		-7.22	-0.04	1.16e-06	0.0	53.6	-5.44	-2.67	0.05	4.27e-03	-0.01	-5.76
56	72	-2.81	-6.64e-03	2.49e-05	-4.58	0.0	-3.73	3.66	0.03	0.01	-0.02	-3.59
		-3.59	-0.02	0.0	0.0	53.6	-3.73	-0.92	0.03	0.01	-6.64e-03	-2.86
56	80	-6.53	-9.90e-03	7.52e-05	-10.80	0.0	-5.12	8.70	0.05	-6.93e-03	-0.04	-8.41
		-8.41	-0.04	2.02e-06	0.0	53.6	-5.12	-2.09	0.05	-6.93e-03	-9.90e-03	-6.64
56	85	-4.33	-6.18e-03	5.57e-05	-4.58	0.0	-3.21	4.62	0.03	-8.41e-03	-0.02	-5.58
		-5.58	-0.02	1.53e-06	0.0	53.6	-3.21	0.03	0.03	-8.41e-03	-6.18e-03	-4.33
56	89	-3.58	-5.81e-03	4.02e-05	-4.58	0.0	-3.42	4.14	0.03	-2.18e-03	-0.02	-4.58
		-4.58	-0.02	0.0	0.0	53.6	-3.42	-0.45	0.03	-2.18e-03	-5.81e-03	-3.59
56	97	-3.58	-5.81e-03	4.02e-05	-4.58	0.0	-3.42	4.14	0.03	-2.18e-03	-0.02	-4.58
		-4.58	-0.02	0.0	0.0	53.6	-3.42	-0.45	0.03	-2.18e-03	-5.81e-03	-3.59
56	98	-5.15	-8.26e-03	5.65e-05	-8.93	0.0	-4.57	7.05	0.04	-2.79e-03	-0.03	-6.64
		-6.64	-0.03	1.45e-06	0.0	53.6	-4.57	-1.88	0.04	-2.79e-03	-8.26e-03	-5.25
56	102	-3.43	-5.98e-03	3.71e-05	-4.58	0.0	-3.48	4.04	0.03	3.10e-04	-0.02	-4.38
		-4.38	-0.02	0.0	0.0	53.6	-3.48	-0.54	0.03	3.10e-04	-5.98e-03	-3.44
56	104	-3.73	-5.89e-03	4.33e-05	-4.58	0.0	-3.38	4.23	0.03	-3.42e-03	-0.02	-4.78
		-4.78	-0.02	1.09e-06	0.0	53.6	-3.38	-0.35	0.03	-3.42e-03	-5.89e-03	-3.74
56	106	-3.58	-5.81e-03	4.02e-05	-4.58	0.0	-3.42	4.14	0.03	-2.18e-03	-0.02	-4.58
		-4.58	-0.02	0.0	0.0	53.6	-3.42	-0.45	0.03	-2.18e-03	-5.81e-03	-3.59
56	107	-4.92	-7.91e-03	5.42e-05	-8.31	0.0	-4.41	6.64	0.04	-2.70e-03	-0.03	-6.34
		-6.34	-0.03	1.38e-06	0.0	53.6	-4.41	-1.67	0.04	-2.70e-03	-7.91e-03	-5.01
56	113	-2.60	-4.20e-03	1.13e-05	-8.31	0.0	7.81	5.83	-4.73e-03	0.02	-4.20e-03	-3.76
		-3.76	-0.02	8.09e-05	0.0	53.6	7.81	-2.48	-4.73e-03	0.02	-0.02	-2.77
56	114	-7.23	1.45e-03	9.70e-05	-8.31	0.0	-16.63	7.44	0.08	-0.03	-0.05	-8.93
		-8.93	-0.05	-7.81e-05	0.0	53.6	-16.63	-0.87	0.08	-0.03	1.45e-03	-7.26
56	124	3.75	0.02	-7.31e-05	-8.31	0.0	-4.74	1.42	-0.03	0.02	0.02	3.68
		2.25	-9.33e-04	2.29e-05	0.0	53.6	-4.74	-6.89	-0.03	0.02	-9.33e-04	2.25
56	127	-12.28	-0.01	1.81e-04	-8.31	0.0	-4.07	11.85	0.11	-0.02	-0.07	-16.37
		-16.37	-0.07	-2.01e-05	0.0	53.6	-4.07	3.54	0.11	-0.02	-0.01	-12.28
56	136	4.25	4.12e-03	-7.32e-05	-8.31	0.0	-10.86	0.49	4.35e-03	0.01	4.78e-05	4.24
		2.30	4.78e-05	1.78e-05	0.0	53.6	-10.86	-7.82	4.35e-03	0.01	4.12e-03	2.30
56	139	-12.33	-0.02	1.82e-04	-8.31	0.0	2.05	12.78	0.07	-0.02	-0.06	-16.93
		-16.93	-0.06	-1.50e-05	0.0	53.6	2.05	4.47	0.07	-0.02	-0.02	-12.33
56	145	-2.30	-1.10e-03	-6.08e-06	-8.31	0.0	9.34	5.73	-0.01	0.02	-1.10e-03	-3.43
		-3.43	-0.02	9.15e-05	0.0	53.6	9.34	-2.58	-0.01	0.02	-0.02	-2.48
56	146	-7.52	2.63e-03	1.03e-04	-8.31	0.0	-18.15	7.54	0.09	-0.03	-0.06	-9.26
		-9.26	-0.06	-8.87e-05	0.0	53.6	-18.15	-0.77	0.09	-0.03	2.63e-03	-7.55
56	156	4.95	0.02	-8.89e-05	-8.31	0.0	-4.77	0.78	-0.04	0.02	0.02	4.93
		3.16	-7.15e-05	2.61e-05	0.0	53.6	-4.77	-7.53	-0.04	0.02	-7.15e-05	3.16
56	159	-13.18	-0.02	1.97e-04	-8.31	0.0	-4.05	12.50	0.12	-0.02	-0.08	-17.62
		-17.62	-0.08	-2.33e-05	0.0	53.6	-4.05	4.19	0.12	-0.02	-0.02	-13.18
56	168	5.58	5.64e-03	-8.94e-05	-8.31	0.0	-11.68	-0.28	-7.38e-05	0.01	3.72e-03	5.58
		3.23	3.72e-03	2.04e-05	0.0	53.6	-11.68	-8.59	-7.38e-05	0.01	5.64e-03	3.23
56	171	-13.26	-0.02	1.98e-04	-8.31	0.0	2.86	13.55	0.08	-0.02	-0.06	-18.27
		-18.27	-0.06	-1.76e-05	0.0	53.6	2.86	5.24	0.08	-0.02	-0.02	-13.26
56	177	-2.28	-1.35e-03	-6.27e-06	-8.31	0.0	8.69	5.78	-9.32e-03	0.03	-1.35e-03	-3.42
		-3.42	-0.02	1.04e-04	0.0	53.6	8.69	-2.53	-9.32e-03	0.03	-0.02	-2.46
56	178	-7.54	2.47e-03	1.03e-04	-8.31	0.0	-17.51	7.49	0.09	-0.03	-0.06	-9.27
		-9.27	-0.06	-1.02e-04	0.0	53.6	-17.51	-0.82	0.09	-0.03	2.47e-03	-7.57
56	188	4.74	0.02	-8.65e-05	-8.31	0.0	-4.58	0.92	-0.04	0.02	0.02	4.71
		3.01	-2.81e-04	3.31e-05	0.0	53.6	-4.58	-7.39	-0.04	0.02	-2.81e-04	3.01
56	191	-13.04	-0.02	1.95e-04	-8.31	0.0	-4.23	12.35	0.12	-0.02	-0.08	-17.40
		-17.40	-0.08	-3.03e-05	0.0	53.6	-4.23	4.04	0.12	-0.02	-0.02	-13.04
56	200	5.57	5.63e-03	-8.98e-05	-8.31	0.0	-11.72	-0.23	7.66e-04	0.02	3.62e-03	5.57
		3.24	3.62e-03	2.45e-05	0.0	53.6	-11.72	-8.54	7.66e-04	0.02	5.63e-03	3.24
56	203	-13.27	-0.02	1.98e-04	-8.31	0.0	2.90	13.50	0.08	-0.02	-0.06	-18.26
		-18.26	-0.06	-2.17e-05	0.0	53.6	2.90	5.19	0.08	-0.02	-0.02	-13.27
56	209	-1.79	3.33e-03	-1.12e-05	-8.31	0.0	10.60	5.65	-0.02	0.03	3.33e-03	-2.89

		-2.89	-0.02	1.30e-04	0.0	53.6	10.60	-2.66	-0.02	0.03	-0.02	-1.99
56	210	-8.01	4.22e-03	1.12e-04	-8.31	0.0	-19.42	7.62	0.10	-0.04	-0.06	-9.80
		-9.80	-0.06	-1.27e-04	0.0	53.6	-19.42	-0.69	0.10	-0.04	4.22e-03	-8.04
56	220	6.49	0.03	-1.09e-04	-8.31	0.0	-4.56	0.02	-0.05	0.02	0.03	6.49
		4.31	8.92e-04	4.26e-05	0.0	53.6	-4.56	-8.29	-0.05	0.02	8.92e-04	4.31
56	223	-14.34	-0.02	2.18e-04	-8.31	0.0	-4.25	13.25	0.13	-0.03	-0.09	-19.18
		-19.18	-0.09	-3.98e-05	0.0	53.6	-4.25	4.94	0.13	-0.03	-0.02	-14.34
56	232	7.65	9.41e-03	-1.15e-04	-8.31	0.0	-12.93	-1.40	-5.97e-03	0.02	9.41e-03	7.65
		4.70	8.00e-03	3.11e-05	0.0	53.6	-12.93	-9.71	-5.97e-03	0.02	8.00e-03	4.70
56	235	-14.72	-0.02	2.24e-04	-8.31	0.0	4.12	14.67	0.08	-0.02	-0.07	-20.34
		-20.34	-0.07	-2.84e-05	0.0	53.6	4.12	6.36	0.08	-0.02	-0.02	-14.72
57	4	-19.24	-4.57e-03	-7.71e-05	-28.88	0.0	-11.49	-4.14	-0.01	-9.21e-04	-4.57e-03	-19.24
		-28.45	-0.01	1.79e-06	0.0	49.6	-11.49	-33.02	-0.01	-9.21e-04	-0.01	-28.45
57	18	-17.54	-4.40e-03	-8.21e-05	-23.68	0.0	-10.00	-4.99	-0.01	-8.87e-04	-4.40e-03	-17.54
		-25.89	-0.01	1.20e-06	0.0	49.6	-10.00	-28.67	-0.01	-8.87e-04	-0.01	-25.89
57	19	-8.46	-2.09e-03	-5.71e-05	-7.53	0.0	-4.52	-4.23	-0.01	-4.77e-04	-2.09e-03	-8.46
		-12.42	-7.70e-03	0.0	0.0	49.6	-4.52	-11.76	-0.01	-4.77e-04	-7.70e-03	-12.42
57	28	-17.65	-3.01e-03	-4.96e-05	-28.88	0.0	-12.67	-2.92	-5.11e-03	-7.59e-04	-3.01e-03	-17.65
		-26.26	-5.48e-03	2.43e-06	0.0	49.6	-12.67	-31.80	-5.11e-03	-7.59e-04	-5.48e-03	-26.26
57	45	-5.81	1.16e-03	-9.21e-06	-7.53	0.0	-6.48	-2.21	1.27e-03	-2.09e-04	5.14e-04	-5.81
		-8.77	5.14e-04	1.12e-06	0.0	49.6	-6.48	-9.74	1.27e-03	-2.09e-04	1.16e-03	-8.77
57	68	-13.53	-3.09e-03	-5.49e-05	-19.85	0.0	-8.21	-3.17	-9.21e-03	-6.52e-04	-3.09e-03	-13.53
		-20.03	-7.58e-03	1.28e-06	0.0	49.6	-8.21	-23.02	-9.21e-03	-6.52e-04	-7.58e-03	-20.03
57	72	-8.47	-1.82e-03	-5.04e-05	-8.30	0.0	-5.00	-3.95	-9.64e-03	-4.54e-04	-1.82e-03	-8.47
		-12.49	-6.51e-03	0.0	0.0	49.6	-5.00	-12.25	-9.64e-03	-4.54e-04	-6.51e-03	-12.49
57	75	-12.41	-2.98e-03	-5.82e-05	-16.38	0.0	-7.21	-3.74	-0.01	-6.30e-04	-2.98e-03	-12.41
		-18.32	-8.12e-03	0.0	0.0	49.6	-7.21	-20.12	-0.01	-6.30e-04	-8.12e-03	-18.32
57	80	-12.48	-2.05e-03	-3.61e-05	-19.85	0.0	-9.00	-2.36	-4.09e-03	-5.45e-04	-2.05e-03	-12.48
		-18.57	-4.04e-03	1.71e-06	0.0	49.6	-9.00	-22.21	-4.09e-03	-5.45e-04	-4.04e-03	-18.57
57	85	-6.70	-8.18e-05	-1.84e-05	-8.30	0.0	-6.31	-2.60	-1.11e-03	-2.75e-04	-8.18e-05	-6.70
		-10.05	-6.08e-04	1.08e-06	0.0	49.6	-6.31	-10.90	-1.11e-03	-2.75e-04	-6.08e-04	-10.05
57	98	-11.04	-2.03e-03	-4.15e-05	-16.38	0.0	-7.36	-2.58	-6.27e-03	-5.00e-04	-2.03e-03	-11.04
		-16.39	-5.08e-03	1.33e-06	0.0	49.6	-7.36	-18.96	-6.27e-03	-5.00e-04	-5.08e-03	-16.39
57	102	-7.76	-1.18e-03	-3.72e-05	-8.30	0.0	-5.36	-3.44	-6.47e-03	-3.90e-04	-1.18e-03	-7.76
		-11.53	-4.32e-03	0.0	0.0	49.6	-5.36	-11.74	-6.47e-03	-3.90e-04	-4.32e-03	-11.53
57	103	-10.73	-2.04e-03	-4.38e-05	-15.23	0.0	-7.00	-2.81	-6.98e-03	-4.98e-04	-2.04e-03	-10.73
		-15.90	-5.44e-03	1.16e-06	0.0	49.6	-7.00	-18.04	-6.98e-03	-4.98e-04	-5.44e-03	-15.90
57	104	-7.41	-8.28e-04	-3.08e-05	-8.30	0.0	-5.62	-3.17	-4.77e-03	-3.54e-04	-8.28e-04	-7.41
		-11.04	-3.14e-03	0.0	0.0	49.6	-5.62	-11.47	-4.77e-03	-3.54e-04	-3.14e-03	-11.04
57	106	-7.59	-1.01e-03	-3.39e-05	-8.30	0.0	-5.45	-3.31	-5.68e-03	-3.73e-04	-1.01e-03	-7.59
		-11.29	-3.77e-03	0.0	0.0	49.6	-5.45	-11.61	-5.68e-03	-3.73e-04	-3.77e-03	-11.29
57	107	-10.55	-1.78e-03	-4.04e-05	-15.23	0.0	-7.08	-2.69	-6.18e-03	-4.82e-04	-1.78e-03	-10.55
		-15.66	-4.89e-03	1.27e-06	0.0	49.6	-7.08	-17.91	-6.18e-03	-4.82e-04	-4.89e-03	-15.66
57	112	-11.55	0.16	-1.22e-04	-15.23	0.0	-4.72	-3.41	0.38	-0.02	-0.04	-11.55
		-17.12	-0.04	1.83e-04	0.0	49.6	-4.72	-18.64	0.38	-0.02	0.16	-17.12
57	115	-9.55	0.03	4.10e-05	-15.23	0.0	-9.45	-1.96	-0.40	0.02	0.03	-9.55
		-14.20	-0.17	-1.81e-04	0.0	49.6	-9.45	-17.19	-0.40	0.02	-0.17	-14.20
57	124	-17.97	-4.95e-03	-1.96e-04	-15.23	0.0	-4.00	-7.18	-0.01	-0.02	-0.03	-17.97
		-25.32	-0.03	-1.59e-06	0.0	49.6	-4.00	-22.41	-0.01	-0.02	-4.95e-03	-25.32
57	127	-3.08	0.02	1.15e-04	-15.23	0.0	-10.17	1.81	-1.13e-03	0.02	0.02	-3.13
		-6.00	-4.83e-03	4.12e-06	0.0	49.6	-10.17	-13.42	-1.13e-03	0.02	-4.83e-03	-6.00
57	136	-19.76	0.08	-2.08e-04	-15.23	0.0	-4.08	-7.97	0.20	2.79e-03	-0.02	-19.76
		-27.68	-0.02	1.09e-04	0.0	49.6	-4.08	-23.20	0.20	2.79e-03	0.08	-27.68
57	139	-1.19	0.02	1.27e-04	-15.23	0.0	-10.09	2.60	-0.22	-3.75e-03	0.02	-1.34
		-3.64	-0.09	-1.07e-04	0.0	49.6	-10.09	-12.63	-0.22	-3.75e-03	-0.09	-3.64
57	144	-11.67	0.18	-1.32e-04	-15.23	0.0	-4.42	-3.50	0.43	-0.02	-0.04	-11.67
		-17.30	-0.04	2.06e-04	0.0	49.6	-4.42	-18.73	0.43	-0.02	0.18	-17.30
57	147	-9.43	0.04	5.12e-05	-15.23	0.0	-9.75	-1.87	-0.45	0.02	0.04	-9.43
		-14.02	-0.19	-2.04e-04	0.0	49.6	-9.75	-17.10	-0.45	0.02	-0.19	-14.02
57	156	-18.89	-5.17e-03	-2.15e-04	-15.23	0.0	-3.62	-7.74	-0.01	-0.02	-0.03	-18.89
		-26.52	-0.03	-2.30e-06	0.0	49.6	-3.62	-22.96	-0.01	-0.02	-5.17e-03	-26.52
57	159	-2.12	0.03	1.34e-04	-15.23	0.0	-10.55	2.36	-6.42e-05	0.02	0.03	-2.21
		-4.80	-4.61e-03	4.83e-06	0.0	49.6	-10.55	-12.86	-6.42e-05	0.02	-4.61e-03	-4.80
57	168	-20.91	0.09	-2.29e-04	-15.23	0.0	-3.71	-8.63	0.23	3.18e-03	-0.03	-20.91
		-29.18	-0.03	1.24e-04	0.0	49.6	-3.71	-23.85	0.23	3.18e-03	0.09	-29.18
57	171	0.03	0.02	1.49e-04	-15.23	0.0	-10.46	3.25	-0.25	-4.14e-03	0.02	-0.19
		-2.14	-0.10	-1.21e-04	0.0	49.6	-10.46	-11.97	-0.25	-4.14e-03	-0.10	-2.14
57	176	-11.71	0.18	-1.31e-04	-15.23	0.0	-4.45	-3.56	0.44	-0.02	-0.04	-11.71
		-17.37	-0.04	2.08e-04	0.0	49.6	-4.45	-18.79	0.44	-0.02	0.18	-17.37
57	179	-9.39	0.04	4.98e-05	-15.23	0.0	-9.72	-1.81	-0.45	0.02	0.04	-9.39
		-13.95	-0.19	-2.06e-04	0.0	49.6	-9.72	-17.03	-0.45	0.02	-0.19	-13.95
57	188	-18.74	-6.39e-03	-2.12e-04	-15.23	0.0	-3.71	-7.64	-0.01	-0.02	-0.03	-18.74
		-26.33	-0.03	-4.05e-06	0.0	49.6	-3.71	-22.87	-0.01	-0.02	-6.39e-03	-26.33
57	191	-2.28	0.03	1.31e-04	-15.23	0.0	-10.46	2.27	2.20e-03	0.02	0.03	-2.36
		-4.99	-3.40e-03	6.58e-06	0.0	49.6	-10.46	-12.96	2.20e-03	0.02	-3.40e-03	-4.99

57	200	-20.77	0.10	-2.27e-04	-15.23	0.0	-3.76	-8.53	0.24	3.00e-03	-0.03	-20.77
		-28.97	-0.03	1.28e-04	0.0	49.6	-3.76	-23.76	0.24	3.00e-03	0.10	-28.97
57	203	-0.12	0.02	1.47e-04	-15.23	0.0	-10.40	3.16	-0.25	-3.96e-03	0.02	-0.33
		-2.35	-0.11	-1.25e-04	0.0	49.6	-10.40	-12.07	-0.25	-3.96e-03	-0.11	-2.35
57	208	-11.92	0.21	-1.46e-04	-15.23	0.0	-3.98	-3.74	0.52	-0.03	-0.05	-11.92
		-17.69	-0.05	2.46e-04	0.0	49.6	-3.98	-18.97	0.52	-0.03	0.21	-17.69
57	211	-9.19	0.04	6.46e-05	-15.23	0.0	-10.18	-1.63	-0.53	0.03	0.04	-9.19
		-13.63	-0.22	-2.43e-04	0.0	49.6	-10.18	-16.86	-0.53	0.03	-0.22	-13.63
57	224	-21.32	-0.01	-2.41e-04	-15.23	0.0	-3.15	-8.50	-0.02	-0.02	-0.04	-21.32
		-29.53	-0.04	2.86e-06	0.0	49.6	-3.15	-23.72	-0.02	-0.02	-0.01	-29.53
57	227	0.42	0.03	1.60e-04	-15.23	0.0	-11.02	3.12	0.01	0.02	0.03	0.22
		-1.79	2.58e-03	0.0	0.0	49.6	-11.02	-12.10	0.01	0.02	2.58e-03	-1.79
57	232	-22.46	0.12	-2.59e-04	-15.23	0.0	-3.18	-9.49	0.29	3.38e-03	-0.03	-22.46
		-31.16	-0.03	1.54e-04	0.0	49.6	-3.18	-24.72	0.29	3.38e-03	0.12	-31.16
57	235	1.70	0.03	1.78e-04	-15.23	0.0	-10.98	4.12	-0.30	-4.34e-03	0.03	1.36
		-0.16	-0.13	-1.52e-04	0.0	49.6	-10.98	-11.11	-0.30	-4.34e-03	-0.13	-0.16
58	4	-20.04	9.68e-03	-6.96e-05	-28.88	0.0	-11.01	-3.68	1.69e-03	-3.46e-03	8.59e-03	-20.04
		-29.03	8.59e-03	4.45e-06	0.0	49.6	-11.01	-32.56	1.69e-03	-3.46e-03	9.68e-03	-29.03
58	18	-18.18	0.01	-7.59e-05	-23.68	0.0	-9.63	-4.61	2.17e-03	-2.96e-03	8.95e-03	-18.18
		-26.34	8.95e-03	3.96e-06	0.0	49.6	-9.63	-28.30	2.17e-03	-2.96e-03	0.01	-26.34
58	19	-8.59	6.24e-03	-5.52e-05	-7.53	0.0	-4.45	-4.11	8.24e-04	-1.13e-03	5.73e-03	-8.59
		-12.50	5.73e-03	1.78e-06	0.0	49.6	-4.45	-11.64	8.24e-04	-1.13e-03	6.24e-03	-12.50
58	28	-18.56	5.08e-03	-4.25e-05	-28.88	0.0	-12.11	-2.39	-2.90e-03	-3.68e-03	5.08e-03	-18.56
		-26.91	3.91e-03	3.96e-06	0.0	49.6	-12.11	-31.28	-2.90e-03	-3.68e-03	3.91e-03	-26.91
58	45	-6.12	-1.20e-04	-6.54e-06	-7.53	0.0	-6.28	-1.97	-6.83e-03	-1.48e-03	-1.20e-04	-6.12
		-8.96	-3.38e-03	0.0	0.0	49.6	-6.28	-9.50	-6.83e-03	-1.48e-03	-3.38e-03	-8.96
58	68	-14.08	6.62e-03	-4.97e-05	-19.85	0.0	-7.88	-2.85	7.67e-04	-2.43e-03	6.06e-03	-14.08
		-20.42	6.06e-03	3.14e-06	0.0	49.6	-7.88	-22.70	7.67e-04	-2.43e-03	6.62e-03	-20.42
58	72	-8.66	5.07e-03	-4.80e-05	-8.30	0.0	-4.89	-3.80	-6.46e-05	-1.27e-03	4.99e-03	-8.66
		-12.60	4.99e-03	1.86e-06	0.0	49.6	-4.89	-12.10	-6.46e-05	-1.27e-03	5.07e-03	-12.60
58	75	-12.84	7.00e-03	-5.39e-05	-16.38	0.0	-6.96	-3.48	1.09e-03	-2.09e-03	6.29e-03	-12.84
		-18.63	6.29e-03	2.81e-06	0.0	49.6	-6.96	-19.86	1.09e-03	-2.09e-03	7.00e-03	-18.63
58	80	-13.09	3.72e-03	-3.09e-05	-19.85	0.0	-8.61	-2.00	-2.29e-03	-2.57e-03	3.72e-03	-13.09
		-19.01	2.77e-03	2.81e-06	0.0	49.6	-8.61	-21.84	-2.29e-03	-2.57e-03	2.77e-03	-19.01
58	85	-7.01	1.09e-03	-1.52e-05	-8.30	0.0	-6.11	-2.37	-5.16e-03	-1.50e-03	1.09e-03	-7.01
		-10.24	-1.35e-03	1.32e-06	0.0	49.6	-6.11	-10.67	-5.16e-03	-1.50e-03	-1.35e-03	-10.24
58	98	-11.50	4.31e-03	-3.70e-05	-16.38	0.0	-7.06	-2.29	-9.45e-04	-2.07e-03	4.31e-03	-11.50
		-16.70	4.00e-03	2.63e-06	0.0	49.6	-7.06	-18.68	-9.45e-04	-2.07e-03	4.00e-03	-16.70
58	102	-7.99	3.57e-03	-3.44e-05	-8.30	0.0	-5.20	-3.26	-1.68e-03	-1.35e-03	3.57e-03	-7.99
		-11.66	2.85e-03	1.83e-06	0.0	49.6	-5.20	-11.56	-1.68e-03	-1.35e-03	2.85e-03	-11.66
58	103	-11.14	4.51e-03	-3.96e-05	-15.23	0.0	-6.73	-2.55	-7.04e-04	-1.95e-03	4.51e-03	-11.14
		-16.18	4.31e-03	2.52e-06	0.0	49.6	-6.73	-17.78	-7.04e-04	-1.95e-03	4.31e-03	-16.18
58	104	-7.66	2.79e-03	-2.78e-05	-8.30	0.0	-5.45	-2.97	-2.70e-03	-1.40e-03	2.79e-03	-7.66
		-11.19	1.57e-03	1.72e-06	0.0	49.6	-5.45	-11.27	-2.70e-03	-1.40e-03	1.57e-03	-11.19
58	106	-7.83	3.21e-03	-3.10e-05	-8.30	0.0	-5.28	-3.12	-2.08e-03	-1.37e-03	3.21e-03	-7.83
		-11.43	2.30e-03	1.82e-06	0.0	49.6	-5.28	-11.42	-2.08e-03	-1.37e-03	2.30e-03	-11.43
58	107	-10.97	4.15e-03	-3.62e-05	-15.23	0.0	-6.81	-2.41	-1.11e-03	-1.97e-03	4.15e-03	-10.97
		-15.94	3.76e-03	2.51e-06	0.0	49.6	-6.81	-17.64	-1.11e-03	-1.97e-03	3.76e-03	-15.94
58	109	-9.90	0.18	1.18e-04	-15.23	0.0	-8.94	-1.58	0.47	-0.03	-0.06	-9.90
		-14.45	-0.06	1.83e-04	0.0	49.6	-8.94	-16.81	0.47	-0.03	0.18	-14.45
58	110	-12.04	0.06	-1.90e-04	-15.23	0.0	-4.68	-3.24	-0.47	0.02	0.06	-12.04
		-17.44	-0.17	-1.78e-04	0.0	49.6	-4.68	-18.47	-0.47	0.02	-0.17	-17.44
58	129	-1.93	0.10	1.34e-04	-15.23	0.0	-9.53	3.12	0.27	-0.02	-0.03	-2.14
		-4.13	-0.03	1.08e-04	0.0	49.6	-9.53	-12.11	0.27	-0.02	0.10	-4.13
58	130	-19.81	0.04	-2.06e-04	-15.23	0.0	-4.09	-7.94	-0.27	0.01	0.04	-19.81
		-27.76	-0.09	-1.03e-04	0.0	49.6	-4.09	-23.17	-0.27	0.01	-0.09	-27.76
58	133	-3.86	1.66e-03	1.42e-04	-15.23	0.0	-9.61	2.42	-0.02	-0.02	-0.04	-3.95
		-6.53	-0.04	-1.63e-06	0.0	49.6	-9.61	-12.81	-0.02	-0.02	1.66e-03	-6.53
58	134	-18.00	0.05	-2.15e-04	-15.23	0.0	-4.01	-7.24	0.01	0.01	0.05	-18.00
		-25.36	5.86e-03	6.65e-06	0.0	49.6	-4.01	-22.47	0.01	0.01	5.86e-03	-25.36
58	141	-9.77	0.20	1.37e-04	-15.23	0.0	-9.21	-1.48	0.53	-0.03	-0.06	-9.77
		-14.26	-0.06	2.06e-04	0.0	49.6	-9.21	-16.71	0.53	-0.03	0.20	-14.26
58	142	-12.18	0.07	-2.10e-04	-15.23	0.0	-4.41	-3.35	-0.53	0.02	0.07	-12.18
		-17.62	-0.19	-2.01e-04	0.0	49.6	-4.41	-18.57	-0.53	0.02	-0.19	-17.62
58	161	-0.73	0.11	1.55e-04	-15.23	0.0	-9.87	3.80	0.30	-0.02	-0.04	-1.03
		-2.66	-0.04	1.22e-04	0.0	49.6	-9.87	-11.43	0.30	-0.02	0.11	-2.66
58	162	-20.91	0.05	-2.27e-04	-15.23	0.0	-3.75	-8.63	-0.31	0.01	0.05	-20.91
		-29.23	-0.11	-1.17e-04	0.0	49.6	-3.75	-23.85	-0.31	0.01	-0.11	-29.23
58	165	-2.93	1.14e-03	1.64e-04	-15.23	0.0	-9.96	3.02	-0.02	-0.02	-0.04	-3.07
		-5.37	-0.04	-2.50e-06	0.0	49.6	-9.96	-12.21	-0.02	-0.02	1.14e-03	-5.37
58	166	-18.87	0.05	-2.37e-04	-15.23	0.0	-3.66	-7.84	0.02	0.02	0.05	-18.87
		-26.52	6.38e-03	7.53e-06	0.0	49.6	-3.66	-23.07	0.02	0.02	6.38e-03	-26.52
58	173	-9.72	0.20	1.32e-04	-15.23	0.0	-9.20	-1.44	0.53	-0.03	-0.06	-9.72
		-14.19	-0.06	2.08e-04	0.0	49.6	-9.20	-16.67	0.53	-0.03	0.20	-14.19
58	174	-12.23	0.07	-2.04e-04	-15.23	0.0	-4.42	-3.38	-0.53	0.02	0.07	-12.23

		-17.70	-0.19	-2.03e-04	0.0	49.6	-4.42	-18.61	-0.53	0.02	-0.19	-17.70
58	193	-0.89	0.12	1.53e-04	-15.23	0.0	-9.81	3.71	0.31	-0.02	-0.04	-1.18
		-2.87	-0.04	1.26e-04	0.0	49.6	-9.81	-11.52	0.31	-0.02	0.12	-2.87
58	194	-20.76	0.05	-2.25e-04	-15.23	0.0	-3.81	-8.53	-0.31	0.01	0.05	-20.76
		-29.02	-0.11	-1.21e-04	0.0	49.6	-3.81	-23.76	-0.31	0.01	-0.11	-29.02
58	201	-2.08	-4.35e-03	1.37e-04	-15.23	0.0	-9.87	2.92	-0.02	-0.02	-0.05	-2.27
		-4.35	-0.05	1.80e-06	0.0	49.6	-9.87	-12.31	-0.02	-0.02	-4.35e-03	-4.35
58	202	-19.67	0.06	-2.10e-04	-15.23	0.0	-3.75	-7.74	0.02	0.01	0.06	-19.67
		-27.54	0.01	3.22e-06	0.0	49.6	-3.75	-22.97	0.02	0.01	0.01	-27.54
58	205	-9.48	0.24	1.59e-04	-15.23	0.0	-9.62	-1.25	0.63	-0.03	-0.08	-9.48
		-13.86	-0.08	2.45e-04	0.0	49.6	-9.62	-16.48	0.63	-0.03	0.24	-13.86
58	206	-12.47	0.08	-2.31e-04	-15.23	0.0	-4.00	-3.57	-0.63	0.03	0.08	-12.47
		-18.03	-0.23	-2.40e-04	0.0	49.6	-4.00	-18.80	-0.63	0.03	-0.23	-18.03
58	225	0.88	0.14	1.85e-04	-15.23	0.0	-10.34	4.71	0.37	-0.02	-0.05	0.43
		-0.72	-0.05	1.52e-04	0.0	49.6	-10.34	-10.52	0.37	-0.02	0.14	-0.72
58	226	-22.37	0.06	-2.57e-04	-15.23	0.0	-3.28	-9.53	-0.38	0.02	0.06	-22.37
		-31.16	-0.13	-1.47e-04	0.0	49.6	-3.28	-24.76	-0.38	0.02	-0.13	-31.16
58	233	-0.56	-5.34e-03	1.66e-04	-15.23	0.0	-10.38	3.78	-0.02	-0.02	-0.06	-0.87
		-2.49	-0.06	2.09e-06	0.0	49.6	-10.38	-11.45	-0.02	-0.02	-5.34e-03	-2.49
58	234	-21.08	0.07	-2.38e-04	-15.23	0.0	-3.24	-8.60	0.02	0.02	0.07	-21.08
		-29.40	0.01	2.94e-06	0.0	49.6	-3.24	-23.83	0.02	0.02	0.01	-29.40
59	4	-16.07	8.53e-03	-6.40e-05	-28.88	0.0	-4.76	7.38	0.03	-2.10e-03	-3.96e-03	-16.54
		-20.04	-3.96e-03	3.57e-06	0.0	49.6	-4.76	-21.50	0.03	-2.10e-03	8.53e-03	-20.04
59	18	-14.58	8.91e-03	-6.62e-05	-23.68	0.0	-4.02	5.14	0.03	-1.73e-03	-4.20e-03	-14.86
		-18.18	-4.20e-03	3.05e-06	0.0	49.6	-4.02	-18.54	0.03	-1.73e-03	8.91e-03	-18.18
59	19	-6.78	5.73e-03	-4.54e-05	-7.53	0.0	-1.72	0.12	0.02	-5.35e-04	-2.78e-03	-6.78
		-8.59	-2.78e-03	1.20e-06	0.0	49.6	-1.72	-7.41	0.02	-5.35e-04	5.73e-03	-8.59
59	28	-14.95	4.97e-03	-4.68e-05	-28.88	0.0	-5.87	8.39	0.01	-2.29e-03	-2.15e-03	-15.55
		-18.56	-2.15e-03	3.42e-06	0.0	49.6	-5.87	-20.49	0.01	-2.29e-03	4.97e-03	-18.56
59	45	-5.04	2.30e-04	-9.49e-06	-7.53	0.0	-3.57	1.81	-1.05e-03	-8.61e-04	2.30e-04	-5.15
		-6.12	-1.93e-04	0.0	0.0	49.6	-3.57	-5.72	-1.05e-03	-8.61e-04	-1.93e-04	-6.12
59	68	-11.30	6.01e-03	-4.53e-05	-19.85	0.0	-3.42	4.92	0.02	-1.46e-03	-2.80e-03	-11.60
		-14.08	-2.80e-03	2.52e-06	0.0	49.6	-3.42	-14.92	0.02	-1.46e-03	6.01e-03	-14.08
59	72	-6.90	4.98e-03	-4.01e-05	-8.30	0.0	-2.03	0.63	0.02	-6.40e-04	-2.39e-03	-6.91
		-8.66	-2.39e-03	1.35e-06	0.0	49.6	-2.03	-7.67	0.02	-6.40e-04	4.98e-03	-8.66
59	75	-10.31	6.27e-03	-4.70e-05	-16.38	0.0	-2.93	3.43	0.02	-1.21e-03	-2.96e-03	-10.48
		-12.84	-2.96e-03	2.17e-06	0.0	49.6	-2.93	-12.95	0.02	-1.21e-03	6.27e-03	-12.84
59	80	-10.56	3.64e-03	-3.35e-05	-19.85	0.0	-4.16	5.60	0.01	-1.59e-03	-1.59e-03	-10.95
		-13.09	-1.59e-03	2.42e-06	0.0	49.6	-4.16	-14.25	0.01	-1.59e-03	3.64e-03	-13.09
59	85	-5.73	1.03e-03	-1.54e-05	-8.30	0.0	-3.26	1.76	2.73e-03	-8.57e-04	-3.83e-04	-5.82
		-7.01	-3.83e-04	1.18e-06	0.0	49.6	-3.26	-6.54	2.73e-03	-8.57e-04	1.03e-03	-7.01
59	98	-9.23	4.26e-03	-3.48e-05	-16.38	0.0	-3.21	4.14	0.01	-1.22e-03	-1.96e-03	-9.49
		-11.50	-1.96e-03	2.18e-06	0.0	49.6	-3.21	-12.24	0.01	-1.22e-03	4.26e-03	-11.50
59	102	-6.43	3.54e-03	-2.99e-05	-8.30	0.0	-2.35	1.08	0.01	-7.09e-04	-1.67e-03	-6.47
		-7.99	-1.67e-03	1.45e-06	0.0	49.6	-2.35	-7.22	0.01	-7.09e-04	3.54e-03	-7.99
59	103	-8.94	4.47e-03	-3.57e-05	-15.23	0.0	-3.02	3.61	0.01	-1.13e-03	-2.08e-03	-9.15
		-11.14	-2.08e-03	2.05e-06	0.0	49.6	-3.02	-11.62	0.01	-1.13e-03	4.47e-03	-11.14
59	104	-6.20	2.75e-03	-2.50e-05	-8.30	0.0	-2.60	1.31	8.13e-03	-7.52e-04	-1.27e-03	-6.25
		-7.66	-1.27e-03	1.42e-06	0.0	49.6	-2.60	-6.99	8.13e-03	-7.52e-04	2.75e-03	-7.66
59	105	-8.69	3.68e-03	-3.14e-05	-15.23	0.0	-3.26	3.84	0.01	-1.18e-03	-1.67e-03	-8.93
		-10.81	-1.67e-03	2.02e-06	0.0	49.6	-3.26	-11.39	0.01	-1.18e-03	3.68e-03	-10.81
59	106	-6.32	3.18e-03	-2.74e-05	-8.30	0.0	-2.43	1.19	9.48e-03	-7.26e-04	-1.49e-03	-6.36
		-7.83	-1.49e-03	1.48e-06	0.0	49.6	-2.43	-7.11	9.48e-03	-7.26e-04	3.18e-03	-7.83
59	107	-8.82	4.11e-03	-3.35e-05	-15.23	0.0	-3.10	3.72	0.01	-1.15e-03	-1.89e-03	-9.04
		-10.97	-1.89e-03	2.08e-06	0.0	49.6	-3.10	-11.51	0.01	-1.15e-03	4.11e-03	-10.97
59	121	-6.84	2.98e-03	1.29e-05	-15.23	0.0	-3.68	6.57	-0.14	-0.02	2.98e-03	-8.53
		-8.53	-0.07	1.68e-04	0.0	49.6	-3.68	-8.66	-0.14	-0.02	-0.07	-7.25
59	122	-9.55	0.08	-7.89e-05	-15.23	0.0	-2.52	0.88	0.16	0.02	-6.77e-03	-9.55
		-14.69	-6.77e-03	-1.63e-04	0.0	49.6	-2.52	-14.35	0.16	0.02	0.08	-14.69
59	127	-1.71	1.16e-03	6.70e-05	-15.23	0.0	-3.56	9.39	5.12e-03	0.02	1.16e-03	-3.35
		-3.35	6.83e-04	5.55e-06	0.0	49.6	-3.56	-5.84	5.12e-03	0.02	6.83e-04	-2.15
59	130	-14.18	0.04	-1.33e-04	-15.23	0.0	-2.39	-2.64	0.09	-5.41e-03	-6.72e-03	-14.18
		-19.81	-6.72e-03	-1.07e-04	0.0	49.6	-2.39	-17.87	0.09	-5.41e-03	0.04	-19.81
59	133	-3.29	4.15e-03	4.86e-05	-15.23	0.0	-3.81	9.55	-0.09	-0.02	4.15e-03	-4.58
		-4.58	-0.04	-2.54e-06	0.0	49.6	-3.81	-5.68	-0.09	-0.02	-0.04	-3.95
59	134	-13.50	0.05	-1.15e-04	-15.23	0.0	-2.38	-2.10	0.11	0.02	-7.94e-03	-13.50
		-18.00	-7.94e-03	6.69e-06	0.0	49.6	-2.38	-17.33	0.11	0.02	0.05	-18.00
59	153	-6.50	3.59e-03	1.87e-05	-15.23	0.0	-3.75	6.92	-0.16	-0.03	3.59e-03	-8.47
		-8.47	-0.08	1.90e-04	0.0	49.6	-3.75	-8.31	-0.16	-0.03	-0.08	-6.79
59	154	-9.62	0.08	-8.47e-05	-15.23	0.0	-2.44	0.52	0.18	0.03	-7.38e-03	-9.62
		-15.16	-7.38e-03	-1.85e-04	0.0	49.6	-2.44	-14.71	0.18	0.03	0.08	-15.16
59	159	-0.73	1.54e-03	7.95e-05	-15.23	0.0	-3.61	10.10	4.06e-03	0.02	1.54e-03	-2.64
		-2.64	1.79e-04	6.33e-06	0.0	49.6	-3.61	-5.13	4.06e-03	0.02	1.79e-04	-1.04
59	162	-14.82	0.05	-1.46e-04	-15.23	0.0	-2.31	-3.44	0.10	-5.93e-03	-7.32e-03	-14.82
		-20.91	-7.32e-03	-1.22e-04	0.0	49.6	-2.31	-18.67	0.10	-5.93e-03	0.05	-20.91

59	165	-2.55	4.90e-03	5.87e-05	-15.23	0.0	-3.90	10.27	-0.10	-0.02	4.90e-03	-4.03
		-4.03	-0.04	-3.47e-06	0.0	49.6	-3.90	-4.95	-0.10	-0.02	-0.04	-3.07
59	166	-14.06	0.05	-1.25e-04	-15.23	0.0	-2.29	-2.83	0.12	0.02	-8.69e-03	-14.06
		-18.87	-8.69e-03	7.63e-06	0.0	49.6	-2.29	-18.06	0.12	0.02	0.05	-18.87
59	185	-6.57	3.55e-03	1.84e-05	-15.23	0.0	-3.76	6.88	-0.17	-0.03	3.55e-03	-8.44
		-8.44	-0.08	1.97e-04	0.0	49.6	-3.76	-8.35	-0.17	-0.03	-0.08	-6.90
59	186	-9.65	0.09	-8.43e-05	-15.23	0.0	-2.43	0.57	0.19	0.03	-7.34e-03	-9.65
		-15.04	-7.34e-03	-1.93e-04	0.0	49.6	-2.43	-14.66	0.19	0.03	0.09	-15.04
59	191	-0.87	1.53e-03	7.81e-05	-15.23	0.0	-3.57	10.02	2.97e-03	0.02	1.53e-03	-2.75
		-2.75	-2.48e-04	8.03e-06	0.0	49.6	-3.57	-5.21	2.97e-03	0.02	-2.48e-04	-1.20
59	194	-14.76	0.05	-1.45e-04	-15.23	0.0	-2.33	-3.35	0.11	-5.77e-03	-7.25e-03	-14.76
		-20.76	-7.25e-03	-1.26e-04	0.0	49.6	-2.33	-18.58	0.11	-5.77e-03	0.05	-20.76
59	201	-2.02	4.99e-03	6.97e-05	-15.23	0.0	-3.86	10.17	-0.11	-0.02	4.99e-03	-4.11
		-4.11	-0.05	1.24e-06	0.0	49.6	-3.86	-5.06	-0.11	-0.02	-0.05	-2.27
59	202	-13.97	0.06	-1.36e-04	-15.23	0.0	-2.33	-2.73	0.13	0.02	-8.78e-03	-13.97
		-19.67	-8.78e-03	2.92e-06	0.0	49.6	-2.33	-17.96	0.13	0.02	0.06	-19.67
59	217	-6.05	4.57e-03	2.74e-05	-15.23	0.0	-3.89	7.42	-0.20	-0.03	4.57e-03	-8.34
		-8.34	-0.10	2.39e-04	0.0	49.6	-3.89	-7.81	-0.20	-0.03	-0.10	-6.23
59	218	-9.74	0.10	-9.34e-05	-15.23	0.0	-2.31	0.02	0.23	0.03	-8.36e-03	-9.74
		-15.72	-8.36e-03	-2.35e-04	0.0	49.6	-2.31	-15.21	0.23	0.03	0.10	-15.72
59	223	0.57	2.11e-03	9.63e-05	-15.23	0.0	-3.65	11.06	4.25e-04	0.02	2.11e-03	-1.73
		-1.73	-1.38e-03	1.06e-05	0.0	49.6	-3.65	-4.17	4.25e-04	0.02	-1.38e-03	0.39
59	226	-15.69	0.06	-1.63e-04	-15.23	0.0	-2.20	-4.52	0.13	-6.34e-03	-8.18e-03	-15.69
		-22.37	-8.18e-03	-1.53e-04	0.0	49.6	-2.20	-19.75	0.13	-6.34e-03	0.06	-22.37
59	233	-0.75	6.13e-03	8.64e-05	-15.23	0.0	-3.99	11.22	-0.13	-0.02	6.13e-03	-3.32
		-3.32	-0.06	1.57e-06	0.0	49.6	-3.99	-4.01	-0.13	-0.02	-0.06	-0.87
59	234	-14.76	0.07	-1.52e-04	-15.23	0.0	-2.20	-3.77	0.15	0.02	-9.92e-03	-14.76
		-21.08	-9.92e-03	2.59e-06	0.0	49.6	-2.20	-19.00	0.15	0.02	0.07	-21.08
60	4	-14.16	5.00e-03	-3.25e-05	-28.88	0.0	-0.60	12.23	-0.02	-1.44e-03	5.00e-03	-15.44
		-16.54	-4.03e-03	4.05e-06	0.0	49.6	-0.60	-16.65	-0.02	-1.44e-03	-4.03e-03	-16.54
60	18	-12.73	5.16e-03	-3.15e-05	-23.68	0.0	-0.22	9.41	-0.02	-1.25e-03	5.16e-03	-13.65
		-14.86	-4.26e-03	3.54e-06	0.0	49.6	-0.22	-14.27	-0.02	-1.25e-03	-4.26e-03	-14.86
60	19	-5.76	3.28e-03	-2.34e-05	-7.53	0.0	0.21	1.96	-0.01	-4.64e-04	3.28e-03	-5.89
		-6.78	-2.79e-03	1.53e-06	0.0	49.6	0.21	-5.57	-0.01	-4.64e-04	-2.79e-03	-6.78
60	44	-11.53	1.96e-03	-1.70e-05	-23.68	0.0	-2.28	10.96	-6.92e-03	-1.11e-03	1.96e-03	-12.78
		-13.22	-1.27e-03	2.93e-06	0.0	49.6	-2.28	-12.73	-6.92e-03	-1.11e-03	-1.27e-03	-13.22
60	45	-4.61	1.96e-04	4.55e-06	-7.53	0.0	-1.86	3.50	1.60e-04	-3.26e-04	7.47e-05	-5.02
		-5.15	7.47e-05	0.0	0.0	49.6	-1.86	-4.03	1.60e-04	-3.26e-04	1.96e-04	-5.15
60	68	-9.95	3.54e-03	-2.26e-05	-19.85	0.0	-0.47	8.33	-0.01	-9.90e-04	3.54e-03	-10.81
		-11.60	-2.85e-03	2.85e-06	0.0	49.6	-0.47	-11.52	-0.01	-9.90e-04	-2.85e-03	-11.60
60	72	-5.93	2.89e-03	-1.87e-05	-8.30	0.0	-0.07	2.57	-0.01	-4.75e-04	2.89e-03	-6.13
		-6.91	-2.41e-03	1.63e-06	0.0	49.6	-0.07	-5.73	-0.01	-4.75e-04	-2.41e-03	-6.91
60	75	-8.99	3.65e-03	-2.21e-05	-16.38	0.0	-0.21	6.45	-0.01	-8.63e-04	3.65e-03	-9.62
		-10.48	-2.99e-03	2.52e-06	0.0	49.6	-0.21	-9.93	-0.01	-8.63e-04	-2.99e-03	-10.48
60	85	-5.16	7.55e-04	-5.77e-06	-8.30	0.0	-1.44	3.60	-2.52e-03	-3.83e-04	7.55e-04	-5.55
		-5.82	-4.16e-04	1.22e-06	0.0	49.6	-1.44	-4.70	-2.52e-03	-3.83e-04	-4.16e-04	-5.82
60	88	-8.19	1.51e-03	-1.22e-05	-16.38	0.0	-1.58	7.48	-5.37e-03	-7.70e-04	1.51e-03	-9.04
		-9.39	-1.00e-03	2.11e-06	0.0	49.6	-1.58	-8.90	-5.37e-03	-7.70e-04	-1.00e-03	-9.39
60	98	-8.15	2.58e-03	-1.74e-05	-16.38	0.0	-0.70	6.98	-9.64e-03	-7.67e-04	2.58e-03	-8.89
		-9.49	-2.01e-03	2.41e-06	0.0	49.6	-0.70	-9.40	-9.64e-03	-7.67e-04	-2.01e-03	-9.49
60	102	-5.63	2.14e-03	-1.22e-05	-8.30	0.0	-0.48	2.98	-8.00e-03	-4.26e-04	2.14e-03	-5.89
		-6.47	-1.69e-03	1.64e-06	0.0	49.6	-0.48	-5.32	-8.00e-03	-4.26e-04	-1.69e-03	-6.47
60	103	-7.86	2.68e-03	-1.74e-05	-15.23	0.0	-0.58	6.32	-0.01	-7.29e-04	2.68e-03	-8.51
		-9.15	-2.11e-03	2.30e-06	0.0	49.6	-0.58	-8.91	-0.01	-7.29e-04	-2.11e-03	-9.15
60	104	-5.47	1.71e-03	-9.71e-06	-8.30	0.0	-0.75	3.19	-6.30e-03	-4.08e-04	1.71e-03	-5.77
		-6.25	-1.29e-03	1.56e-06	0.0	49.6	-0.75	-5.11	-6.30e-03	-4.08e-04	-1.29e-03	-6.25
60	105	-7.70	2.25e-03	-1.55e-05	-15.23	0.0	-0.86	6.53	-8.35e-03	-7.10e-04	2.25e-03	-8.39
		-8.93	-1.72e-03	2.21e-06	0.0	49.6	-0.86	-8.70	-8.35e-03	-7.10e-04	-1.72e-03	-8.93
60	106	-5.55	1.95e-03	-1.09e-05	-8.30	0.0	-0.58	3.09	-7.24e-03	-4.14e-04	1.95e-03	-5.83
		-6.36	-1.51e-03	1.65e-06	0.0	49.6	-0.58	-5.21	-7.24e-03	-4.14e-04	-1.51e-03	-6.36
60	107	-7.78	2.49e-03	-1.64e-05	-15.23	0.0	-0.68	6.43	-9.30e-03	-7.17e-04	2.49e-03	-8.45
		-9.04	-1.93e-03	2.30e-06	0.0	49.6	-0.68	-8.80	-9.30e-03	-7.17e-04	-1.93e-03	-9.04
60	116	-9.51	-1.09e-03	-1.04e-05	-15.23	0.0	-1.26	6.05	0.06	-0.01	-0.03	-9.76
		-11.58	-0.03	1.67e-04	0.0	49.6	-1.26	-9.18	0.06	-0.01	-1.09e-03	-11.58
60	119	-5.85	0.04	-2.30e-05	-15.23	0.0	-0.11	6.80	-0.08	0.01	0.04	-7.14
		-7.14	-2.78e-03	-1.63e-04	0.0	49.6	-0.11	-8.43	-0.08	0.01	-2.78e-03	-6.51
60	121	-7.43	1.55e-03	3.53e-05	-15.23	0.0	-1.19	9.11	0.08	-0.01	-0.04	-8.23
		-8.53	-0.04	1.67e-04	0.0	49.6	-1.19	-6.12	0.08	-0.01	1.55e-03	-8.53
60	122	-8.12	0.04	-5.14e-05	-15.23	0.0	-0.17	3.74	-0.10	0.01	0.04	-8.67
		-9.55	-5.41e-03	-1.62e-04	0.0	49.6	-0.17	-11.49	-0.10	0.01	-5.41e-03	-9.55
60	124	-11.41	4.36e-03	-7.15e-05	-15.23	0.0	-1.25	1.49	-0.01	-0.01	4.36e-03	-11.43
		-14.73	-5.80e-03	0.0	0.0	49.6	-1.25	-13.74	-0.01	-0.01	-5.80e-03	-14.73
60	127	-3.17	1.94e-03	5.54e-05	-15.23	0.0	-0.12	11.36	-5.11e-03	0.01	6.15e-04	-5.47
		-5.47	6.15e-04	5.48e-06	0.0	49.6	-0.12	-3.87	-5.11e-03	0.01	1.94e-03	-3.35
60	148	-9.70	-1.00e-03	-9.79e-06	-15.23	0.0	-1.33	6.01	0.07	-0.02	-0.04	-9.92

		-11.89	-0.04	1.89e-04	0.0	49.6	-1.33	-9.22	0.07	-0.02	-1.00e-03	-11.89
60	151	-5.60	0.04	-2.37e-05	-15.23	0.0	-0.04	6.84	-0.09	0.02	0.04	-6.98
		-6.98	-2.87e-03	-1.84e-04	0.0	49.6	-0.04	-8.38	-0.09	0.02	-2.87e-03	-6.19
60	153	-7.39	1.95e-03	4.05e-05	-15.23	0.0	-1.26	9.45	0.09	-0.02	-0.05	-8.20
		-8.47	-0.05	1.89e-04	0.0	49.6	-1.26	-5.78	0.09	-0.02	1.95e-03	-8.47
60	154	-8.16	0.05	-5.66e-05	-15.23	0.0	-0.11	3.40	-0.11	0.02	0.05	-8.71
		-9.62	-5.82e-03	-1.84e-04	0.0	49.6	-0.11	-11.83	-0.11	0.02	-5.82e-03	-9.62
60	156	-11.80	4.64e-03	-7.94e-05	-15.23	0.0	-1.32	0.88	-0.01	-0.01	4.64e-03	-11.80
		-15.44	-6.29e-03	-1.63e-06	0.0	49.6	-1.32	-14.35	-0.01	-0.01	-6.29e-03	-15.44
60	159	-2.53	2.42e-03	6.33e-05	-15.23	0.0	-0.05	11.98	-4.48e-03	0.01	3.38e-04	-5.10
		-5.10	3.38e-04	6.23e-06	0.0	49.6	-0.05	-3.25	-4.48e-03	0.01	2.42e-03	-2.64
60	185	-7.35	1.71e-03	3.81e-05	-15.23	0.0	-1.23	9.43	0.09	-0.01	-0.05	-8.15
		-8.44	-0.05	1.97e-04	0.0	49.6	-1.23	-5.80	0.09	-0.01	1.71e-03	-8.44
60	186	-8.20	0.05	-5.42e-05	-15.23	0.0	-0.14	3.42	-0.11	0.01	0.05	-8.75
		-9.65	-5.58e-03	-1.92e-04	0.0	49.6	-0.14	-11.81	-0.11	0.01	-5.58e-03	-9.65
60	188	-11.74	4.88e-03	-7.85e-05	-15.23	0.0	-1.30	0.94	-0.01	-0.01	4.88e-03	-11.74
		-15.34	-6.29e-03	-3.33e-06	0.0	49.6	-1.30	-14.29	-0.01	-0.01	-6.29e-03	-15.34
60	191	-2.63	2.42e-03	6.24e-05	-15.23	0.0	-0.07	11.91	-3.77e-03	0.01	1.03e-04	-5.16
		-5.16	1.03e-04	7.93e-06	0.0	49.6	-0.07	-3.32	-3.77e-03	0.01	2.42e-03	-2.75
60	192	-11.69	3.24e-03	-6.80e-05	-15.23	0.0	-1.31	0.97	-0.01	-0.01	3.24e-03	-11.69
		-15.33	-6.36e-03	3.18e-06	0.0	49.6	-1.31	-14.25	-0.01	-0.01	-6.36e-03	-15.33
60	195	-2.64	2.49e-03	5.19e-05	-15.23	0.0	-0.06	11.88	-8.00e-03	0.01	1.73e-03	-5.21
		-5.21	1.73e-03	1.42e-06	0.0	49.6	-0.06	-3.35	-8.00e-03	0.01	2.49e-03	-2.75
60	217	-7.27	2.30e-03	4.54e-05	-15.23	0.0	-1.32	9.97	0.12	-0.02	-0.06	-8.08
		-8.34	-0.06	2.38e-04	0.0	49.6	-1.32	-5.26	0.12	-0.02	2.30e-03	-8.34
60	218	-8.28	0.06	-6.15e-05	-15.23	0.0	-0.05	2.88	-0.13	0.02	0.06	-8.82
		-9.74	-6.17e-03	-2.33e-04	0.0	49.6	-0.05	-12.34	-0.13	0.02	-6.17e-03	-9.74
60	223	-1.68	3.15e-03	7.39e-05	-15.23	0.0	0.03	12.81	-2.21e-03	0.01	-5.16e-04	-4.63
		-4.63	-5.16e-04	1.04e-05	0.0	49.6	0.03	-2.42	-2.21e-03	0.01	3.15e-03	-1.73
60	224	-12.21	3.15e-03	-7.80e-05	-15.23	0.0	-1.41	0.09	-0.01	-0.01	3.15e-03	-12.21
		-16.36	-7.08e-03	3.89e-06	0.0	49.6	-1.41	-15.14	-0.01	-0.01	-7.08e-03	-16.36
60	227	-1.68	3.21e-03	6.18e-05	-15.23	0.0	0.04	12.76	-8.07e-03	0.01	1.83e-03	-4.69
		-4.69	1.83e-03	0.0	0.0	49.6	0.04	-2.47	-8.07e-03	0.01	3.21e-03	-1.72
61	4	-13.82	4.91e-03	4.09e-05	-28.88	0.0	-0.85	15.14	7.85e-03	-8.58e-04	1.01e-03	-15.79
		-15.79	1.01e-03	3.50e-06	0.0	49.6	-0.85	-13.74	7.85e-03	-8.58e-04	4.91e-03	-15.44
61	18	-12.23	5.07e-03	2.78e-05	-23.68	0.0	-0.48	12.04	6.96e-03	-7.46e-04	1.61e-03	-13.75
		-13.75	1.61e-03	2.99e-06	0.0	49.6	-0.48	-11.64	6.96e-03	-7.46e-04	5.07e-03	-13.65
61	19	-5.26	3.23e-03	-5.25e-06	-7.53	0.0	0.02	3.17	3.88e-03	-3.02e-04	1.32e-03	-5.59
		-5.89	1.32e-03	1.17e-06	0.0	49.6	0.02	-4.36	3.88e-03	-3.02e-04	3.23e-03	-5.89
61	42	-7.68	1.01e-03	3.38e-05	-11.56	0.0	-2.24	6.64	9.42e-03	-4.58e-04	-3.60e-03	-8.62
		-8.62	-3.60e-03	1.64e-06	0.0	49.6	-2.24	-4.92	9.42e-03	-4.58e-04	1.01e-03	-8.20
61	44	-11.65	1.92e-03	5.27e-05	-23.68	0.0	-2.45	13.29	0.01	-7.50e-04	-3.01e-03	-13.50
		-13.50	-3.01e-03	2.69e-06	0.0	49.6	-2.45	-10.40	0.01	-7.50e-04	1.92e-03	-12.78
61	45	-4.70	8.15e-05	2.38e-05	-7.53	0.0	-1.95	4.42	6.94e-03	-3.06e-04	-3.31e-03	-5.34
		-5.34	-3.31e-03	0.0	0.0	49.6	-1.95	-3.11	6.94e-03	-3.06e-04	8.15e-05	-5.02
61	68	-9.70	3.48e-03	2.80e-05	-19.85	0.0	-0.65	10.38	5.91e-03	-5.96e-04	5.45e-04	-11.04
		-11.04	5.45e-04	2.47e-06	0.0	49.6	-0.65	-9.47	5.91e-03	-5.96e-04	3.48e-03	-10.81
61	72	-5.52	2.85e-03	4.45e-06	-8.30	0.0	-0.24	3.80	4.51e-03	-3.13e-04	6.32e-04	-5.95
		-6.13	6.32e-04	1.31e-06	0.0	49.6	-0.24	-4.50	4.51e-03	-3.13e-04	2.85e-03	-6.13
61	75	-8.63	3.58e-03	1.93e-05	-16.38	0.0	-0.40	8.31	5.31e-03	-5.21e-04	9.50e-04	-9.68
		-9.68	9.50e-04	2.12e-06	0.0	49.6	-0.40	-8.07	5.31e-03	-5.21e-04	3.58e-03	-9.62
61	85	-5.14	7.51e-04	2.11e-05	-8.30	0.0	-1.55	4.63	6.55e-03	-3.16e-04	-2.45e-03	-5.79
		-5.79	-2.45e-03	1.11e-06	0.0	49.6	-1.55	-3.67	6.55e-03	-3.16e-04	7.51e-04	-5.55
61	86	-5.60	8.76e-04	2.33e-05	-8.30	0.0	-1.57	4.71	6.95e-03	-3.29e-04	-2.53e-03	-6.26
		-6.26	-2.53e-03	1.22e-06	0.0	49.6	-1.57	-3.59	6.95e-03	-3.29e-04	8.76e-04	-5.98
61	88	-8.25	1.48e-03	3.59e-05	-16.38	0.0	-1.71	9.14	7.35e-03	-5.24e-04	-2.13e-03	-9.51
		-9.51	-2.13e-03	1.92e-06	0.0	49.6	-1.71	-7.24	7.35e-03	-5.24e-04	1.48e-03	-9.04
61	98	-7.99	2.54e-03	2.54e-05	-16.38	0.0	-0.86	8.66	5.96e-03	-4.85e-04	-4.06e-04	-9.12
		-9.12	-4.06e-04	2.12e-06	0.0	49.6	-0.86	-7.72	5.96e-03	-4.85e-04	2.54e-03	-8.89
61	102	-5.37	2.11e-03	1.12e-05	-8.30	0.0	-0.62	4.14	5.35e-03	-2.94e-04	-5.13e-04	-5.89
		-5.89	-5.13e-04	1.40e-06	0.0	49.6	-0.62	-4.16	5.35e-03	-2.94e-04	2.11e-03	-5.89
61	103	-7.65	2.63e-03	2.20e-05	-15.23	0.0	-0.74	7.94	5.69e-03	-4.61e-04	-1.76e-04	-8.67
		-8.67	-1.76e-04	2.00e-06	0.0	49.6	-0.74	-7.29	5.69e-03	-4.61e-04	2.63e-03	-8.51
61	104	-5.30	1.69e-03	1.45e-05	-8.30	0.0	-0.89	4.31	5.76e-03	-2.95e-04	-1.13e-03	-5.85
		-5.85	-1.13e-03	1.36e-06	0.0	49.6	-0.89	-3.99	5.76e-03	-2.95e-04	1.69e-03	-5.77
61	105	-7.57	2.21e-03	2.53e-05	-15.23	0.0	-1.01	8.11	6.10e-03	-4.62e-04	-7.93e-04	-8.64
		-8.64	-7.93e-04	1.96e-06	0.0	49.6	-1.01	-7.12	6.10e-03	-4.62e-04	2.21e-03	-8.39
61	106	-5.34	1.93e-03	1.29e-05	-8.30	0.0	-0.72	4.23	5.56e-03	-2.90e-04	-7.99e-04	-5.87
		-5.87	-7.99e-04	1.42e-06	0.0	49.6	-0.72	-4.07	5.56e-03	-2.90e-04	1.93e-03	-5.83
61	107	-7.61	2.45e-03	2.36e-05	-15.23	0.0	-0.84	8.03	5.91e-03	-4.57e-04	-4.62e-04	-8.66
		-8.66	-4.62e-04	2.02e-06	0.0	49.6	-0.84	-7.20	5.91e-03	-4.57e-04	2.45e-03	-8.45
61	121	-7.67	-0.04	4.71e-05	-15.23	0.0	-0.77	10.27	0.08	-0.02	-0.08	-9.10
		-9.10	-0.08	1.69e-04	0.0	49.6	-0.77	-4.96	0.08	-0.02	-0.04	-8.23
61	122	-7.48	0.07	-1.23e-05	-15.23	0.0	-0.90	5.78	-0.07	0.02	0.07	-8.21
		-8.67	0.04	-1.65e-04	0.0	49.6	-0.90	-9.45	-0.07	0.02	0.04	-8.67

61	124	-9.43	4.26e-03	-2.90e-05	-15.23	0.0	-0.62	4.26	1.49e-03	-0.01	3.30e-03	-9.70
		-11.43	3.30e-03	0.0	0.0	49.6	-0.62	-10.97	1.49e-03	-0.01	4.26e-03	-11.43
61	127	-5.30	6.34e-04	7.53e-05	-15.23	0.0	-1.06	11.80	0.01	0.01	-4.23e-03	-7.61
		-7.61	-4.23e-03	4.94e-06	0.0	49.6	-1.06	-3.43	0.01	0.01	6.34e-04	-5.47
61	136	-8.98	8.23e-03	-2.75e-05	-15.23	0.0	-0.61	4.44	-1.72e-03	2.95e-03	8.23e-03	-9.29
		-10.90	7.35e-03	1.13e-04	0.0	49.6	-0.61	-10.79	-1.72e-03	2.95e-03	7.35e-03	-10.90
61	139	-5.80	-2.45e-03	7.32e-05	-15.23	0.0	-1.07	11.61	0.01	-3.86e-03	-9.15e-03	-8.03
		-8.03	-9.15e-03	-1.08e-04	0.0	49.6	-1.07	-3.62	0.01	-3.86e-03	-2.45e-03	-6.01
61	153	-7.67	-0.04	5.02e-05	-15.23	0.0	-0.77	10.55	0.09	-0.02	-0.09	-9.16
		-9.16	-0.09	1.91e-04	0.0	49.6	-0.77	-4.67	0.09	-0.02	-0.04	-8.20
61	154	-7.47	0.08	-1.38e-05	-15.23	0.0	-0.91	5.50	-0.08	0.02	0.08	-8.15
		-8.71	0.05	-1.87e-04	0.0	49.6	-0.91	-9.73	-0.08	0.02	0.05	-8.71
61	156	-9.62	4.53e-03	-3.46e-05	-15.23	0.0	-0.59	3.78	8.89e-04	-0.01	3.84e-03	-9.83
		-11.80	3.84e-03	-1.62e-06	0.0	49.6	-0.59	-11.44	8.89e-04	-0.01	4.53e-03	-11.80
61	159	-4.97	3.72e-04	8.17e-05	-15.23	0.0	-1.08	12.27	0.01	0.01	-4.76e-03	-7.48
		-7.48	-4.76e-03	5.66e-06	0.0	49.6	-1.08	-2.96	0.01	0.01	3.72e-04	-5.10
61	168	-9.11	9.23e-03	-3.25e-05	-15.23	0.0	-0.58	4.00	-2.61e-03	3.39e-03	9.23e-03	-9.36
		-11.20	7.91e-03	1.27e-04	0.0	49.6	-0.58	-11.23	-2.61e-03	3.39e-03	7.91e-03	-11.20
61	171	-5.55	-3.01e-03	7.93e-05	-15.23	0.0	-1.10	12.05	0.01	-4.30e-03	-0.01	-7.95
		-7.95	-0.01	-1.23e-04	0.0	49.6	-1.10	-3.18	0.01	-4.30e-03	-3.01e-03	-5.70
61	185	-7.65	-0.04	5.13e-05	-15.23	0.0	-0.76	10.56	0.09	-0.02	-0.09	-9.16
		-9.16	-0.09	2.00e-04	0.0	49.6	-0.76	-4.67	0.09	-0.02	-0.04	-8.15
61	186	-7.48	0.09	-1.44e-05	-15.23	0.0	-0.92	5.49	-0.08	0.02	0.09	-8.15
		-8.75	0.05	-1.96e-04	0.0	49.6	-0.92	-9.74	-0.08	0.02	0.05	-8.75
61	188	-9.58	4.72e-03	-3.36e-05	-15.23	0.0	-0.61	3.84	5.29e-04	-0.01	4.23e-03	-9.80
		-11.74	4.23e-03	-3.38e-06	0.0	49.6	-0.61	-11.39	5.29e-04	-0.01	4.72e-03	-11.74
61	191	-5.03	1.75e-04	8.07e-05	-15.23	0.0	-1.07	12.21	0.01	0.01	-5.15e-03	-7.51
		-7.51	-5.15e-03	7.42e-06	0.0	49.6	-1.07	-3.01	0.01	0.01	1.75e-04	-5.16
61	200	-9.09	8.27e-03	-3.11e-05	-15.23	0.0	-0.59	4.09	-1.61e-03	3.39e-03	8.27e-03	-9.35
		-11.13	7.44e-03	1.32e-04	0.0	49.6	-0.59	-11.14	-1.61e-03	3.39e-03	7.44e-03	-11.13
61	203	-5.61	-2.54e-03	7.76e-05	-15.23	0.0	-1.09	11.96	0.01	-4.30e-03	-9.19e-03	-7.96
		-7.96	-9.19e-03	-1.28e-04	0.0	49.6	-1.09	-3.27	0.01	-4.30e-03	-2.54e-03	-5.78
61	217	-7.64	-0.05	5.68e-05	-15.23	0.0	-0.75	11.02	0.10	-0.02	-0.10	-9.26
		-9.26	-0.10	2.42e-04	0.0	49.6	-0.75	-4.21	0.10	-0.02	-0.05	-8.08
61	218	-7.45	0.10	-1.75e-05	-15.23	0.0	-0.93	5.03	-0.09	0.02	0.10	-8.05
		-8.82	0.06	-2.38e-04	0.0	49.6	-0.93	-10.20	-0.09	0.02	0.06	-8.82
61	220	-9.84	5.41e-03	-4.26e-05	-15.23	0.0	-0.58	3.15	-7.87e-04	-0.02	5.41e-03	-9.99
		-12.27	5.29e-03	-5.87e-06	0.0	49.6	-0.58	-12.08	-7.87e-04	-0.02	5.29e-03	-12.27
61	223	-4.56	-3.92e-04	8.99e-05	-15.23	0.0	-1.10	12.90	0.01	0.01	-6.34e-03	-7.32
		-7.32	-6.34e-03	9.91e-06	0.0	49.6	-1.10	-2.33	0.01	0.01	-3.92e-04	-4.63
61	232	-9.28	8.91e-03	-3.86e-05	-15.23	0.0	-0.55	3.48	-2.05e-03	3.99e-03	8.91e-03	-9.47
		-11.55	7.85e-03	1.59e-04	0.0	49.6	-0.55	-11.75	-2.05e-03	3.99e-03	7.85e-03	-11.55
61	235	-5.24	-2.95e-03	8.59e-05	-15.23	0.0	-1.13	12.57	0.01	-4.90e-03	-9.83e-03	-7.84
		-7.84	-9.83e-03	-1.55e-04	0.0	49.6	-1.13	-2.66	0.01	-4.90e-03	-2.95e-03	-5.35
62	4	-14.27	3.19e-03	1.25e-04	-28.88	0.0	-0.37	15.58	-4.81e-03	-1.39e-03	3.19e-03	-16.36
		-16.36	9.72e-04	3.44e-06	0.0	49.6	-0.37	-13.30	-4.81e-03	-1.39e-03	9.72e-04	-15.79
62	19	-5.10	1.55e-03	2.61e-05	-7.53	0.0	0.30	3.67	-6.05e-04	-7.83e-04	1.55e-03	-5.54
		-5.59	1.31e-03	1.05e-06	0.0	49.6	0.30	-3.86	-6.05e-04	-7.83e-04	1.31e-03	-5.59
62	28	-14.20	3.18e-03	1.42e-04	-28.88	0.0	-1.79	15.96	-0.01	-1.47e-03	3.18e-03	-16.39
		-16.39	-1.82e-03	3.53e-06	0.0	49.6	-1.79	-12.92	-0.01	-1.47e-03	-1.82e-03	-15.64
62	42	-8.09	2.30e-03	8.28e-05	-11.56	0.0	-2.29	6.59	-0.01	-1.25e-03	2.30e-03	-9.02
		-9.02	-3.64e-03	2.01e-06	0.0	49.6	-2.29	-4.97	-0.01	-1.25e-03	-3.64e-03	-8.62
62	44	-12.35	2.91e-03	1.28e-04	-23.68	0.0	-2.35	13.24	-0.01	-1.43e-03	2.91e-03	-14.19
		-14.19	-3.06e-03	3.01e-06	0.0	49.6	-2.35	-10.45	-0.01	-1.43e-03	-3.06e-03	-13.50
62	45	-5.00	1.53e-03	5.51e-05	-7.53	0.0	-2.07	4.30	-0.01	-9.11e-04	1.53e-03	-5.60
		-5.60	-3.34e-03	1.20e-06	0.0	49.6	-2.07	-3.23	-0.01	-9.11e-04	-3.34e-03	-5.34
62	68	-9.99	2.30e-03	8.66e-05	-19.85	0.0	-0.32	10.70	-3.84e-03	-1.03e-03	2.30e-03	-11.42
		-11.42	5.19e-04	2.44e-06	0.0	49.6	-0.32	-9.15	-3.84e-03	-1.03e-03	5.19e-04	-11.04
62	72	-5.45	1.60e-03	3.45e-05	-8.30	0.0	-0.01	4.20	-2.15e-03	-8.09e-04	1.60e-03	-5.98
		-5.98	6.20e-04	1.26e-06	0.0	49.6	-0.01	-4.10	-2.15e-03	-8.09e-04	6.20e-04	-5.95
62	80	-9.95	2.29e-03	9.82e-05	-19.85	0.0	-1.27	10.95	-7.68e-03	-1.08e-03	2.29e-03	-11.45
		-11.45	-1.34e-03	2.50e-06	0.0	49.6	-1.27	-8.90	-7.68e-03	-1.08e-03	-1.34e-03	-10.94
62	85	-5.38	1.59e-03	5.39e-05	-8.30	0.0	-1.59	4.62	-8.55e-03	-8.94e-04	1.59e-03	-6.02
		-6.02	-2.48e-03	1.36e-06	0.0	49.6	-1.59	-3.68	-8.55e-03	-8.94e-04	-2.48e-03	-5.79
62	86	-5.87	1.71e-03	5.87e-05	-8.30	0.0	-1.60	4.70	-8.95e-03	-9.31e-04	1.71e-03	-6.53
		-6.53	-2.55e-03	1.48e-06	0.0	49.6	-1.60	-3.60	-8.95e-03	-9.31e-04	-2.55e-03	-6.26
62	88	-8.71	2.12e-03	8.91e-05	-16.38	0.0	-1.64	9.13	-9.02e-03	-1.05e-03	2.12e-03	-9.98
		-9.98	-2.17e-03	2.15e-06	0.0	49.6	-1.64	-7.25	-9.02e-03	-1.05e-03	-2.17e-03	-9.51
62	98	-8.26	2.01e-03	7.46e-05	-16.38	0.0	-0.65	8.85	-5.19e-03	-9.46e-04	2.01e-03	-9.45
		-9.45	-4.32e-04	2.18e-06	0.0	49.6	-0.65	-7.53	-5.19e-03	-9.46e-04	-4.32e-04	-9.12
62	102	-5.43	1.60e-03	4.24e-05	-8.30	0.0	-0.49	4.37	-4.53e-03	-8.20e-04	1.60e-03	-6.00
		-6.00	-5.30e-04	1.46e-06	0.0	49.6	-0.49	-3.93	-4.53e-03	-8.20e-04	-5.30e-04	-5.89
62	104	-5.41	1.60e-03	4.62e-05	-8.30	0.0	-0.81	4.46	-5.80e-03	-8.37e-04	1.60e-03	-6.01
		-6.01	-1.15e-03	1.48e-06	0.0	49.6	-0.81	-3.84	-5.80e-03	-8.37e-04	-1.15e-03	-5.85
62	105	-7.85	1.95e-03	7.22e-05	-15.23	0.0	-0.84	8.26	-5.87e-03	-9.43e-04	1.95e-03	-8.96

		-8.96	-8.19e-04	2.05e-06	0.0	49.6	-0.84	-6.97	-5.87e-03	-9.43e-04	-8.19e-04	-8.64
62	106	-5.42	1.60e-03	4.43e-05	-8.30	0.0	-0.61	4.42	-5.12e-03	-8.23e-04	1.60e-03	-6.00
		-6.00	-8.17e-04	1.51e-06	0.0	49.6	-0.61	-3.88	-5.12e-03	-8.23e-04	-8.17e-04	-5.87
62	107	-7.86	1.95e-03	7.03e-05	-15.23	0.0	-0.65	8.22	-5.18e-03	-9.29e-04	1.95e-03	-8.95
		-8.95	-4.87e-04	2.08e-06	0.0	49.6	-0.65	-7.01	-5.18e-03	-9.29e-04	-4.87e-04	-8.66
62	113	-8.76	-0.01	1.09e-04	-15.23	0.0	-0.78	9.63	-0.11	-0.02	-0.01	-10.25
		-10.25	-0.07	1.61e-04	0.0	49.6	-0.78	-5.59	-0.11	-0.02	-0.07	-9.27
62	114	-6.89	0.07	3.19e-05	-15.23	0.0	-0.52	6.80	0.10	0.02	0.02	-7.65
		-8.04	0.02	-1.57e-04	0.0	49.6	-0.52	-8.43	0.10	0.02	0.07	-8.04
62	121	-8.59	-0.01	1.09e-04	-15.23	0.0	-0.76	9.63	-0.12	-0.02	-0.01	-10.09
		-10.09	-0.08	1.74e-04	0.0	49.6	-0.76	-5.60	-0.12	-0.02	-0.08	-9.10
62	122	-7.06	0.07	3.17e-05	-15.23	0.0	-0.53	6.80	0.11	0.02	0.02	-7.82
		-8.21	0.02	-1.70e-04	0.0	49.6	-0.53	-8.43	0.11	0.02	0.07	-8.21
62	125	-7.79	-8.40e-03	1.39e-04	-15.23	0.0	-0.93	10.82	-0.07	2.81e-03	-8.40e-03	-9.79
		-9.79	-0.04	1.10e-04	0.0	49.6	-0.93	-4.41	-0.07	2.81e-03	-0.04	-8.06
62	126	-7.66	0.04	-1.13e-05	-15.23	0.0	-0.37	5.62	0.06	-4.67e-03	0.01	-8.12
		-9.25	0.01	-1.06e-04	0.0	49.6	-0.37	-9.61	0.06	-4.67e-03	0.04	-9.25
62	145	-8.87	-0.01	1.14e-04	-15.23	0.0	-0.79	9.81	-0.13	-0.02	-0.01	-10.42
		-10.42	-0.08	1.81e-04	0.0	49.6	-0.79	-5.42	-0.13	-0.02	-0.08	-9.35
62	146	-6.77	0.08	2.71e-05	-15.23	0.0	-0.50	6.62	0.12	0.02	0.02	-7.49
		-7.96	0.02	-1.77e-04	0.0	49.6	-0.50	-8.61	0.12	0.02	0.08	-7.96
62	153	-8.68	-0.01	1.14e-04	-15.23	0.0	-0.77	9.81	-0.14	-0.02	-0.01	-10.23
		-10.23	-0.09	1.97e-04	0.0	49.6	-0.77	-5.42	-0.14	-0.02	-0.09	-9.16
62	154	-6.95	0.08	2.67e-05	-15.23	0.0	-0.52	6.62	0.13	0.02	0.02	-7.67
		-8.15	0.02	-1.93e-04	0.0	49.6	-0.52	-8.61	0.13	0.02	0.08	-8.15
62	157	-7.76	-9.72e-03	1.48e-04	-15.23	0.0	-0.96	11.14	-0.08	3.27e-03	-9.72e-03	-9.90
		-9.90	-0.05	1.25e-04	0.0	49.6	-0.96	-4.08	-0.08	3.27e-03	-0.05	-7.99
62	158	-7.61	0.04	-1.59e-05	-15.23	0.0	-0.33	5.29	0.07	-5.13e-03	0.01	-8.01
		-9.32	0.01	-1.20e-04	0.0	49.6	-0.33	-9.94	0.07	-5.13e-03	0.04	-9.32
62	177	-8.86	-0.01	1.13e-04	-15.23	0.0	-0.78	9.80	-0.12	-0.02	-0.01	-10.41
		-10.41	-0.08	1.82e-04	0.0	49.6	-0.78	-5.43	-0.12	-0.02	-0.08	-9.34
62	178	-6.78	0.08	2.71e-05	-15.23	0.0	-0.51	6.64	0.11	0.02	0.02	-7.50
		-7.97	0.02	-1.78e-04	0.0	49.6	-0.51	-8.59	0.11	0.02	0.08	-7.97
62	185	-8.69	-0.01	1.15e-04	-15.23	0.0	-0.76	9.82	-0.14	-0.02	-0.01	-10.26
		-10.26	-0.09	2.06e-04	0.0	49.6	-0.76	-5.41	-0.14	-0.02	-0.09	-9.16
62	186	-6.94	0.09	2.60e-05	-15.23	0.0	-0.53	6.61	0.13	0.02	0.02	-7.65
		-8.15	0.02	-2.02e-04	0.0	49.6	-0.53	-8.62	0.13	0.02	0.09	-8.15
62	189	-7.77	-9.76e-03	1.47e-04	-15.23	0.0	-0.95	11.11	-0.07	3.26e-03	-9.76e-03	-9.90
		-9.90	-0.05	1.28e-04	0.0	49.6	-0.95	-4.12	-0.07	3.26e-03	-0.05	-8.01
62	190	-7.60	0.04	-1.56e-05	-15.23	0.0	-0.35	5.32	0.06	-5.12e-03	0.01	-8.01
		-9.30	0.01	-1.23e-04	0.0	49.6	-0.35	-9.91	0.06	-5.12e-03	0.04	-9.30
62	209	-9.02	-0.02	1.21e-04	-15.23	0.0	-0.80	10.06	-0.14	-0.02	-0.02	-10.66
		-10.66	-0.09	2.14e-04	0.0	49.6	-0.80	-5.17	-0.14	-0.02	-0.09	-9.46
62	210	-6.58	0.09	1.97e-05	-15.23	0.0	-0.49	6.37	0.13	0.02	0.02	-7.25
		-7.86	0.02	-2.10e-04	0.0	49.6	-0.49	-8.86	0.13	0.02	0.09	-7.86
62	217	-8.84	-0.02	1.23e-04	-15.23	0.0	-0.78	10.12	-0.17	-0.02	-0.02	-10.51
		-10.51	-0.10	2.49e-04	0.0	49.6	-0.78	-5.11	-0.17	-0.02	-0.10	-9.26
62	218	-6.75	0.10	1.77e-05	-15.23	0.0	-0.51	6.31	0.16	0.02	0.02	-7.40
		-8.05	0.02	-2.45e-04	0.0	49.6	-0.51	-8.92	0.16	0.02	0.10	-8.05
62	221	-7.73	-0.01	1.60e-04	-15.23	0.0	-0.99	11.59	-0.09	4.04e-03	-0.01	-10.07
		-10.07	-0.05	1.52e-04	0.0	49.6	-0.99	-3.64	-0.09	4.04e-03	-0.05	-7.91
62	222	-7.52	0.05	-2.36e-05	-15.23	0.0	-0.30	4.84	0.08	-5.89e-03	0.02	-7.84
		-9.41	0.02	-1.48e-04	0.0	49.6	-0.30	-10.39	0.08	-5.89e-03	0.05	-9.41
63	3	0.0	0.01	-6.61e-05	-0.23	0.0	0.02	-1.16	0.09	-9.11e-03	-0.04	0.0
		-0.72	-0.04	-9.81e-06	0.0	56.0	0.02	-1.39	0.09	-9.11e-03	0.01	-0.72
63	4	0.0	0.02	-7.06e-05	-0.23	0.0	0.04	-1.15	0.09	-9.61e-03	-0.04	0.0
		-0.71	-0.04	-1.01e-05	0.0	56.0	0.04	-1.38	0.09	-9.61e-03	0.02	-0.71
63	16	0.0	0.01	-7.25e-05	-0.23	0.0	0.21	-0.54	0.06	-6.48e-03	-0.02	0.0
		-0.36	-0.02	-9.29e-06	0.0	56.0	0.21	-0.76	0.06	-6.48e-03	0.01	-0.36
63	28	0.0	0.02	-7.79e-05	-0.23	0.0	-0.03	-1.11	0.07	-9.75e-03	-0.02	0.0
		-0.69	-0.02	-4.83e-06	0.0	56.0	-0.03	-1.34	0.07	-9.75e-03	0.02	-0.69
63	31	0.0	0.01	-5.64e-05	-0.18	0.0	-0.07	-0.95	0.05	-7.49e-03	-0.02	0.0
		-0.58	-0.02	-3.16e-06	0.0	56.0	-0.07	-1.12	0.05	-7.49e-03	0.01	-0.58
63	67	0.0	0.01	-5.16e-05	-0.18	0.0	0.04	-0.80	0.06	-6.54e-03	-0.02	0.0
		-0.50	-0.02	-6.90e-06	0.0	56.0	0.04	-0.98	0.06	-6.54e-03	0.01	-0.50
63	68	0.0	0.01	-5.46e-05	-0.18	0.0	0.05	-0.79	0.07	-6.87e-03	-0.03	0.0
		-0.49	-0.03	-7.10e-06	0.0	56.0	0.05	-0.97	0.07	-6.87e-03	0.01	-0.49
63	73	0.0	7.77e-03	-5.59e-05	-0.18	0.0	0.16	-0.38	0.04	-4.78e-03	-0.02	0.0
		-0.26	-0.02	-6.55e-06	0.0	56.0	0.16	-0.56	0.04	-4.78e-03	7.77e-03	-0.26
63	79	0.0	0.01	-5.65e-05	-0.18	0.0	-0.01	-0.78	0.05	-6.63e-03	-0.01	0.0
		-0.49	-0.01	-3.38e-06	0.0	56.0	-0.01	-0.95	0.05	-6.63e-03	0.01	-0.49
63	80	0.0	0.01	-5.95e-05	-0.18	0.0	4.90e-04	-0.77	0.05	-6.96e-03	-0.02	0.0
		-0.48	-0.02	-3.58e-06	0.0	56.0	4.90e-04	-0.94	0.05	-6.96e-03	0.01	-0.48
63	98	0.0	0.01	-5.48e-05	-0.18	0.0	0.05	-0.67	0.05	-5.95e-03	-0.02	0.0
		-0.42	-0.02	-4.67e-06	0.0	56.0	0.05	-0.84	0.05	-5.95e-03	0.01	-0.42

63	102	0.0	8.09e-03	-5.60e-05	-0.18	0.0	0.12	-0.38	0.03	-4.50e-03	-9.69e-03	0.0
		-0.26	-9.69e-03	-4.06e-06	0.0	56.0	0.12	-0.55	0.03	-4.50e-03	8.09e-03	-0.26
63	103	0.0	9.82e-03	-5.43e-05	-0.18	0.0	0.06	-0.63	0.05	-5.74e-03	-0.02	0.0
		-0.40	-0.02	-5.08e-06	0.0	56.0	0.06	-0.80	0.05	-5.74e-03	9.82e-03	-0.40
63	106	0.0	8.25e-03	-5.68e-05	-0.18	0.0	0.11	-0.37	0.03	-4.51e-03	-8.10e-03	0.0
		-0.26	-8.10e-03	-3.49e-06	0.0	56.0	0.11	-0.55	0.03	-4.51e-03	8.25e-03	-0.26
63	107	0.0	9.98e-03	-5.51e-05	-0.18	0.0	0.06	-0.62	0.04	-5.75e-03	-0.02	0.0
		-0.40	-0.02	-4.50e-06	0.0	56.0	0.06	-0.80	0.04	-5.75e-03	9.98e-03	-0.40
63	109	1.98	-0.01	6.23e-05	-0.18	0.0	1.19	3.62	0.19	-0.01	-0.12	0.0
		0.0	-0.12	1.84e-04	0.0	56.0	1.19	3.44	0.19	-0.01	-0.01	1.98
63	110	0.0	0.09	-1.72e-04	-0.18	0.0	-1.08	-4.87	-0.10	-4.46e-04	0.09	0.0
		-2.77	0.03	-1.93e-04	0.0	56.0	-1.08	-5.04	-0.10	-4.46e-04	0.03	-2.77
63	112	2.01	-0.02	7.34e-05	-0.18	0.0	1.18	3.68	0.24	-0.01	-0.15	0.0
		0.0	-0.15	1.90e-04	0.0	56.0	1.18	3.51	0.24	-0.01	-0.02	2.01
63	115	0.0	0.12	-1.83e-04	-0.18	0.0	-1.07	-4.93	-0.15	-4.66e-04	0.12	0.0
		-2.81	0.04	-1.99e-04	0.0	56.0	-1.07	-5.11	-0.15	-4.66e-04	0.04	-2.81
63	116	1.43	-0.02	-2.09e-04	-0.18	0.0	0.76	2.64	0.25	-0.01	-0.16	0.0
		0.0	-0.16	1.89e-04	0.0	56.0	0.76	2.46	0.25	-0.01	-0.02	1.43
63	119	0.0	0.13	9.93e-05	-0.18	0.0	-0.65	-3.89	-0.16	1.13e-03	0.13	0.0
		-2.23	0.04	-1.98e-04	0.0	56.0	-0.65	-4.06	-0.16	1.13e-03	0.04	-2.23
63	141	2.28	-0.02	7.76e-05	-0.18	0.0	1.33	4.16	0.21	-0.01	-0.13	0.0
		0.0	-0.13	2.08e-04	0.0	56.0	1.33	3.98	0.21	-0.01	-0.02	2.28
63	142	0.0	0.10	-1.88e-04	-0.18	0.0	-1.22	-5.41	-0.12	2.14e-04	0.10	0.0
		-3.08	0.04	-2.17e-04	0.0	56.0	-1.22	-5.58	-0.12	2.14e-04	0.04	-3.08
63	144	2.32	-0.03	8.99e-05	-0.18	0.0	1.32	4.23	0.26	-0.01	-0.17	0.0
		0.0	-0.17	2.15e-04	0.0	56.0	1.32	4.06	0.26	-0.01	-0.03	2.32
63	147	0.0	0.14	-2.00e-04	-0.18	0.0	-1.21	-5.48	-0.17	1.90e-04	0.14	0.0
		-3.12	0.05	-2.24e-04	0.0	56.0	-1.21	-5.66	-0.17	1.90e-04	0.05	-3.12
63	148	1.67	-0.03	-2.32e-04	-0.18	0.0	0.85	3.07	0.28	-0.01	-0.18	0.0
		0.0	-0.18	2.14e-04	0.0	56.0	0.85	2.89	0.28	-0.01	-0.03	1.67
63	151	0.0	0.15	1.22e-04	-0.18	0.0	-0.74	-4.32	-0.19	1.95e-03	0.15	0.0
		-2.47	0.05	-2.23e-04	0.0	56.0	-0.74	-4.49	-0.19	1.95e-03	0.05	-2.47
63	173	2.30	-0.02	9.06e-05	-0.18	0.0	1.33	4.19	0.21	-0.01	-0.13	0.0
		0.0	-0.13	2.08e-04	0.0	56.0	1.33	4.02	0.21	-0.01	-0.02	2.30
63	174	0.0	0.10	-2.01e-04	-0.18	0.0	-1.22	-5.44	-0.12	-2.56e-04	0.10	0.0
		-3.10	0.04	-2.17e-04	0.0	56.0	-1.22	-5.62	-0.12	-2.56e-04	0.04	-3.10
63	176	2.33	-0.03	1.02e-04	-0.18	0.0	1.32	4.26	0.26	-0.01	-0.17	0.0
		0.0	-0.17	2.15e-04	0.0	56.0	1.32	4.08	0.26	-0.01	-0.03	2.33
63	179	0.0	0.14	-2.12e-04	-0.18	0.0	-1.21	-5.51	-0.17	-2.88e-04	0.14	0.0
		-3.13	0.05	-2.24e-04	0.0	56.0	-1.21	-5.68	-0.17	-2.88e-04	0.05	-3.13
63	180	1.75	-0.03	-2.57e-04	-0.18	0.0	0.86	3.22	0.29	-0.01	-0.19	0.0
		0.0	-0.19	2.20e-04	0.0	56.0	0.86	3.04	0.29	-0.01	-0.03	1.75
63	183	0.0	0.16	1.47e-04	-0.18	0.0	-0.75	-4.46	-0.20	1.35e-03	0.16	0.0
		-2.55	0.05	-2.29e-04	0.0	56.0	-0.75	-4.64	-0.20	1.35e-03	0.05	-2.55
63	205	2.79	-0.02	1.24e-04	-0.18	0.0	1.55	5.06	0.24	-0.01	-0.16	0.0
		0.0	-0.16	2.45e-04	0.0	56.0	1.55	4.89	0.24	-0.01	-0.02	2.79
63	206	0.0	0.13	-2.34e-04	-0.18	0.0	-1.44	-6.31	-0.15	4.27e-04	0.13	0.0
		-3.58	0.04	-2.54e-04	0.0	56.0	-1.44	-6.49	-0.15	4.27e-04	0.04	-3.58
63	208	2.82	-0.04	1.37e-04	-0.18	0.0	1.54	5.13	0.30	-0.01	-0.20	0.0
		0.0	-0.20	2.54e-04	0.0	56.0	1.54	4.96	0.30	-0.01	-0.04	2.82
63	211	0.0	0.17	-2.47e-04	-0.18	0.0	-1.43	-6.38	-0.21	3.87e-04	0.17	0.0
		-3.62	0.06	-2.63e-04	0.0	56.0	-1.43	-6.56	-0.21	3.87e-04	0.06	-3.62
63	212	2.21	-0.04	-3.09e-04	-0.18	0.0	1.03	4.03	0.34	-0.01	-0.22	0.0
		0.0	-0.22	2.66e-04	0.0	56.0	1.03	3.86	0.34	-0.01	-0.04	2.21
63	215	0.0	0.19	1.99e-04	-0.18	0.0	-0.92	-5.28	-0.25	2.41e-03	0.19	0.0
		-3.01	0.06	-2.75e-04	0.0	56.0	-0.92	-5.46	-0.25	2.41e-03	0.06	-3.01
64	16	-0.36	0.01	-8.69e-05	-0.23	0.0	0.98	-0.16	-2.23e-03	-6.48e-03	0.01	-0.36
		-0.52	9.05e-03	-7.56e-06	0.0	56.0	0.98	-0.38	-2.23e-03	-6.48e-03	9.05e-03	-0.52
64	19	-0.26	6.78e-03	-6.10e-05	-0.18	0.0	0.76	-0.12	-2.04e-03	-4.22e-03	6.78e-03	-0.26
		-0.37	5.64e-03	-6.48e-06	0.0	56.0	0.76	-0.29	-2.04e-03	-4.22e-03	5.64e-03	-0.37
64	27	-0.70	0.02	-1.05e-04	-0.23	0.0	0.56	-0.12	1.10e-03	-9.25e-03	0.02	-0.70
		-0.82	0.02	-1.95e-06	0.0	56.0	0.56	-0.34	1.10e-03	-9.25e-03	0.02	-0.82
64	28	-0.69	0.02	-1.09e-04	-0.23	0.0	0.61	-0.12	1.17e-03	-9.75e-03	0.02	-0.69
		-0.82	0.02	-2.17e-06	0.0	56.0	0.61	-0.35	1.17e-03	-9.75e-03	0.02	-0.82
64	36	-0.21	9.37e-03	-7.61e-05	-0.18	0.0	0.51	-0.20	4.87e-04	-5.38e-03	9.10e-03	-0.21
		-0.37	9.10e-03	0.0	0.0	56.0	0.51	-0.37	4.87e-04	-5.38e-03	9.37e-03	-0.37
64	47	-0.47	0.01	-8.06e-05	-0.18	0.0	0.29	-0.13	2.13e-03	-6.62e-03	0.01	-0.47
		-0.59	0.01	1.26e-06	0.0	56.0	0.29	-0.31	2.13e-03	-6.62e-03	0.01	-0.59
64	72	-0.27	7.46e-03	-6.35e-05	-0.18	0.0	0.69	-0.13	-1.73e-03	-4.45e-03	7.46e-03	-0.27
		-0.39	6.49e-03	-5.10e-06	0.0	56.0	0.69	-0.30	-1.73e-03	-4.45e-03	6.49e-03	-0.39
64	73	-0.26	7.77e-03	-6.61e-05	-0.18	0.0	0.73	-0.13	-1.68e-03	-4.78e-03	7.77e-03	-0.26
		-0.39	6.83e-03	-5.25e-06	0.0	56.0	0.73	-0.30	-1.68e-03	-4.78e-03	6.83e-03	-0.39
64	79	-0.49	0.01	-7.82e-05	-0.18	0.0	0.45	-0.10	5.39e-04	-6.63e-03	0.01	-0.49
		-0.59	0.01	-1.51e-06	0.0	56.0	0.45	-0.28	5.39e-04	-6.63e-03	0.01	-0.59
64	80	-0.48	0.01	-8.08e-05	-0.18	0.0	0.48	-0.10	5.85e-04	-6.96e-03	0.01	-0.48

		-0.59	0.01	-1.65e-06	0.0	56.0	0.48	-0.28	5.85e-04	-6.96e-03	0.01	-0.59
64	81	-0.24	9.00e-03	-7.35e-05	-0.18	0.0	0.53	-0.18	-4.21e-05	-5.22e-03	9.00e-03	-0.24
		-0.39	8.98e-03	0.0	0.0	56.0	0.53	-0.35	-4.21e-05	-5.22e-03	8.98e-03	-0.39
64	87	-0.41	0.01	-7.65e-05	-0.18	0.0	0.38	-0.14	1.05e-03	-6.05e-03	0.01	-0.41
		-0.54	0.01	0.0	0.0	56.0	0.38	-0.31	1.05e-03	-6.05e-03	0.01	-0.54
64	98	-0.42	0.01	-7.33e-05	-0.18	0.0	0.56	-0.10	-7.36e-04	-5.95e-03	0.01	-0.42
		-0.53	9.86e-03	-2.96e-06	0.0	56.0	0.56	-0.28	-7.36e-04	-5.95e-03	9.86e-03	-0.53
64	99	-0.26	8.38e-03	-6.74e-05	-0.18	0.0	0.58	-0.15	-1.19e-03	-4.64e-03	8.38e-03	-0.26
		-0.39	7.71e-03	-2.18e-06	0.0	56.0	0.58	-0.33	-1.19e-03	-4.64e-03	7.71e-03	-0.39
64	102	-0.26	8.09e-03	-6.58e-05	-0.18	0.0	0.59	-0.14	-1.31e-03	-4.50e-03	8.09e-03	-0.26
		-0.39	7.36e-03	-2.72e-06	0.0	56.0	0.59	-0.32	-1.31e-03	-4.50e-03	7.36e-03	-0.39
64	105	-0.40	0.01	-7.29e-05	-0.18	0.0	0.52	-0.11	-4.46e-04	-5.77e-03	0.01	-0.40
		-0.51	9.77e-03	-2.24e-06	0.0	56.0	0.52	-0.29	-4.46e-04	-5.77e-03	9.77e-03	-0.51
64	106	-0.26	8.25e-03	-6.63e-05	-0.18	0.0	0.57	-0.15	-1.21e-03	-4.51e-03	8.25e-03	-0.26
		-0.39	7.58e-03	-2.12e-06	0.0	56.0	0.57	-0.33	-1.21e-03	-4.51e-03	7.58e-03	-0.39
64	107	-0.40	9.98e-03	-7.23e-05	-0.18	0.0	0.56	-0.11	-8.03e-04	-5.75e-03	9.98e-03	-0.40
		-0.51	9.53e-03	-2.84e-06	0.0	56.0	0.56	-0.28	-8.03e-04	-5.75e-03	9.53e-03	-0.51
64	108	4.09	-0.01	-2.11e-03	-0.18	0.0	4.73	4.58	0.02	-0.01	-0.02	1.56
		1.56	-0.02	1.79e-04	0.0	56.0	4.73	4.41	0.02	-0.01	-0.01	4.09
64	111	-2.36	0.04	1.96e-03	-0.18	0.0	-3.61	-4.80	-0.02	1.65e-03	0.04	-2.36
		-5.10	0.03	-1.85e-04	0.0	56.0	-3.61	-4.97	-0.02	1.65e-03	0.03	-5.10
64	112	5.10	-0.02	-2.09e-03	-0.18	0.0	4.68	5.63	0.02	-0.01	-0.02	2.01
		2.01	-0.02	1.86e-04	0.0	56.0	4.68	5.46	0.02	-0.01	-0.02	5.10
64	115	-2.81	0.04	1.94e-03	-0.18	0.0	-3.57	-5.85	-0.02	-4.66e-04	0.04	-2.81
		-6.12	0.03	-1.92e-04	0.0	56.0	-3.57	-6.02	-0.02	-4.66e-04	0.03	-6.12
64	140	4.67	-0.02	-2.36e-03	-0.18	0.0	5.26	5.18	0.02	-0.01	-0.03	1.81
		1.81	-0.03	2.02e-04	0.0	56.0	5.26	5.00	0.02	-0.01	-0.02	4.67
64	143	-2.61	0.05	2.22e-03	-0.18	0.0	-4.14	-5.39	-0.02	2.56e-03	0.05	-2.61
		-5.68	0.04	-2.08e-04	0.0	56.0	-4.14	-5.57	-0.02	2.56e-03	0.04	-5.68
64	144	5.82	-0.02	-2.34e-03	-0.18	0.0	5.21	6.37	0.02	-0.01	-0.03	2.32
		2.32	-0.03	2.10e-04	0.0	56.0	5.21	6.19	0.02	-0.01	-0.02	5.82
64	147	-3.12	0.05	2.20e-03	-0.18	0.0	-4.10	-6.58	-0.02	1.90e-04	0.05	-3.12
		-6.83	0.04	-2.16e-04	0.0	56.0	-4.10	-6.76	-0.02	1.90e-04	0.04	-6.83
64	152	5.53	-0.02	-2.31e-04	-0.18	0.0	4.86	6.11	0.02	-0.01	-0.03	2.18
		2.18	-0.03	2.18e-04	0.0	56.0	4.86	5.94	0.02	-0.01	-0.02	5.53
64	155	-2.98	0.05	8.63e-05	-0.18	0.0	-3.74	-6.33	-0.02	-4.22e-04	0.05	-2.98
		-6.55	0.04	-2.23e-04	0.0	56.0	-3.74	-6.50	-0.02	-4.22e-04	0.04	-6.55
64	172	4.68	-0.02	-2.29e-03	-0.18	0.0	5.28	5.20	0.02	-0.01	-0.03	1.82
		1.82	-0.03	2.01e-04	0.0	56.0	5.28	5.02	0.02	-0.01	-0.02	4.68
64	175	-2.62	0.05	2.15e-03	-0.18	0.0	-4.16	-5.41	-0.02	1.99e-03	0.05	-2.62
		-5.70	0.04	-2.07e-04	0.0	56.0	-4.16	-5.59	-0.02	1.99e-03	0.04	-5.70
64	176	5.86	-0.02	-2.27e-03	-0.18	0.0	5.24	6.41	0.02	-0.01	-0.03	2.33
		2.33	-0.03	2.11e-04	0.0	56.0	5.24	6.24	0.02	-0.01	-0.02	5.86
64	179	-3.13	0.05	2.13e-03	-0.18	0.0	-4.12	-6.63	-0.02	-2.88e-04	0.05	-3.13
		-6.87	0.04	-2.16e-04	0.0	56.0	-4.12	-6.80	-0.02	-2.88e-04	0.04	-6.87
64	184	5.76	-0.02	-2.51e-04	-0.18	0.0	5.01	6.35	0.02	-0.01	-0.03	2.27
		2.27	-0.03	2.24e-04	0.0	56.0	5.01	6.17	0.02	-0.01	-0.02	5.76
64	187	-3.07	0.05	1.06e-04	-0.18	0.0	-3.90	-6.56	-0.02	-9.22e-04	0.05	-3.07
		-6.77	0.04	-2.30e-04	0.0	56.0	-3.90	-6.74	-0.02	-9.22e-04	0.04	-6.77
64	204	5.61	-0.02	-2.64e-03	-0.18	0.0	6.13	6.14	0.02	-0.01	-0.03	2.21
		2.21	-0.03	2.36e-04	0.0	56.0	6.13	5.97	0.02	-0.01	-0.02	5.61
64	207	-3.01	0.05	2.49e-03	-0.18	0.0	-5.01	-6.36	-0.02	3.02e-03	0.05	-3.01
		-6.62	0.04	-2.42e-04	0.0	56.0	-5.01	-6.53	-0.02	3.02e-03	0.04	-6.62
64	216	7.07	-0.03	-2.96e-04	-0.18	0.0	5.95	7.70	0.02	-0.01	-0.04	2.82
		2.82	-0.04	2.72e-04	0.0	56.0	5.95	7.52	0.02	-0.01	-0.03	7.07
64	219	-3.62	0.06	1.51e-04	-0.18	0.0	-4.83	-7.91	-0.02	-2.19e-04	0.06	-3.62
		-8.08	0.04	-2.77e-04	0.0	56.0	-4.83	-8.09	-0.02	-2.19e-04	0.04	-8.08
65	18	-0.03	0.01	-1.44e-04	-0.24	0.0	1.59	1.27	-0.03	-8.65e-03	0.01	-0.72
		-0.72	-3.66e-03	-7.25e-06	0.0	60.0	1.59	1.03	-0.03	-8.65e-03	-3.66e-03	-0.72
65	27	-0.08	0.02	-1.57e-04	-0.24	0.0	1.09	1.36	-0.03	-9.25e-03	0.02	-0.82
		-0.82	-4.12e-03	0.0	0.0	60.0	1.09	1.12	-0.03	-9.25e-03	-4.12e-03	-0.82
65	28	-0.07	0.02	-1.61e-04	-0.24	0.0	1.15	1.36	-0.03	-9.75e-03	0.02	-0.82
		-0.82	-4.26e-03	0.0	0.0	60.0	1.15	1.12	-0.03	-9.75e-03	-4.26e-03	-0.82
65	33	0.09	0.01	-1.39e-04	-0.24	0.0	1.14	1.14	-0.03	-7.14e-03	0.01	-0.52
		-0.52	-3.08e-03	1.54e-06	0.0	60.0	1.14	0.90	-0.03	-7.14e-03	-3.08e-03	0.09
65	45	0.08	9.06e-03	-1.02e-04	-0.19	0.0	0.61	0.87	-0.02	-4.45e-03	9.06e-03	-0.39
		-0.39	-2.01e-03	4.31e-06	0.0	60.0	0.61	0.69	-0.02	-4.45e-03	-2.01e-03	0.08
65	75	-5.38e-03	9.11e-03	-1.08e-04	-0.19	0.0	1.18	0.95	-0.02	-6.23e-03	9.11e-03	-0.52
		-0.52	-2.66e-03	-4.91e-06	0.0	60.0	1.18	0.76	-0.02	-6.23e-03	-2.66e-03	-5.38e-03
65	79	-0.04	0.01	-1.16e-04	-0.19	0.0	0.85	1.02	-0.02	-6.63e-03	0.01	-0.59
		-0.59	-2.97e-03	0.0	0.0	60.0	0.85	0.83	-0.02	-6.63e-03	-2.97e-03	-0.04
65	80	-0.03	0.01	-1.19e-04	-0.19	0.0	0.89	1.01	-0.02	-6.96e-03	0.01	-0.59
		-0.59	-3.06e-03	0.0	0.0	60.0	0.89	0.83	-0.02	-6.96e-03	-3.06e-03	-0.03
65	81	0.08	8.98e-03	-1.05e-04	-0.19	0.0	0.88	0.87	-0.02	-5.22e-03	8.98e-03	-0.39
		-0.39	-2.28e-03	0.0	0.0	60.0	0.88	0.68	-0.02	-5.22e-03	-2.28e-03	0.08

65	85	0.07	8.78e-03	-1.01e-04	-0.19	0.0	0.72	0.88	-0.02	-4.60e-03	8.78e-03	-0.40
		-0.40	-2.09e-03	2.52e-06	0.0	60.0	0.72	0.69	-0.02	-4.60e-03	-2.09e-03	0.07
65	98	-6.73e-03	9.86e-03	-1.09e-04	-0.19	0.0	0.97	0.96	-0.02	-5.95e-03	9.86e-03	-0.53
		-0.53	-2.70e-03	-1.43e-06	0.0	60.0	0.97	0.77	-0.02	-5.95e-03	-2.70e-03	-6.73e-03
65	99	0.07	7.71e-03	-9.76e-05	-0.19	0.0	0.96	0.86	-0.02	-4.64e-03	7.71e-03	-0.39
		-0.39	-2.13e-03	0.0	0.0	60.0	0.96	0.67	-0.02	-4.64e-03	-2.13e-03	0.07
65	103	3.51e-03	9.32e-03	-1.06e-04	-0.19	0.0	1.00	0.95	-0.02	-5.74e-03	9.32e-03	-0.51
		-0.51	-2.59e-03	-2.04e-06	0.0	60.0	1.00	0.76	-0.02	-5.74e-03	-2.59e-03	3.51e-03
65	104	0.07	7.82e-03	-9.75e-05	-0.19	0.0	0.90	0.86	-0.02	-4.53e-03	7.82e-03	-0.39
		-0.39	-2.09e-03	0.0	0.0	60.0	0.90	0.68	-0.02	-4.53e-03	-2.09e-03	0.07
65	106	0.07	7.58e-03	-9.66e-05	-0.19	0.0	0.95	0.86	-0.02	-4.51e-03	7.58e-03	-0.39
		-0.39	-2.09e-03	0.0	0.0	60.0	0.95	0.67	-0.02	-4.51e-03	-2.09e-03	0.07
65	107	3.93e-03	9.53e-03	-1.07e-04	-0.19	0.0	0.97	0.95	-0.02	-5.75e-03	9.53e-03	-0.51
		-0.51	-2.62e-03	-1.36e-06	0.0	60.0	0.97	0.76	-0.02	-5.75e-03	-2.62e-03	3.93e-03
65	108	4.09	3.95e-03	-4.41e-05	-0.19	0.0	5.15	-2.56	0.03	-0.01	-0.01	4.09
		2.49	-0.01	1.89e-04	0.0	60.0	5.15	-2.75	0.03	-0.01	3.95e-03	2.49
65	111	-2.48	0.03	-1.70e-04	-0.19	0.0	-3.21	4.46	-0.07	1.65e-03	0.03	-5.10
		-5.10	-9.18e-03	-1.92e-04	0.0	60.0	-3.21	4.27	-0.07	1.65e-03	-9.18e-03	-2.48
65	112	5.10	4.13e-03	-3.95e-05	-0.19	0.0	5.07	-3.34	0.03	-0.01	-0.02	5.10
		3.04	-0.02	1.97e-04	0.0	60.0	5.07	-3.53	0.03	-0.01	4.13e-03	3.04
65	115	-3.03	0.03	-1.76e-04	-0.19	0.0	-3.14	5.24	-0.07	-4.66e-04	0.03	-6.12
		-6.12	-9.37e-03	-1.99e-04	0.0	60.0	-3.14	5.05	-0.07	-4.66e-04	-9.37e-03	-3.03
65	140	4.67	4.78e-03	-3.77e-05	-0.19	0.0	5.68	-3.01	0.04	-0.01	-0.02	4.67
		2.81	-0.02	2.13e-04	0.0	60.0	5.68	-3.20	0.04	-0.01	4.78e-03	2.81
65	143	-2.80	0.04	-1.78e-04	-0.19	0.0	-3.74	4.90	-0.08	2.56e-03	0.04	-5.68
		-5.68	-0.01	-2.16e-04	0.0	60.0	-3.74	4.72	-0.08	2.56e-03	-0.01	-2.80
65	144	5.82	4.99e-03	-3.45e-05	-0.19	0.0	5.60	-3.89	0.04	-0.01	-0.02	5.82
		3.43	-0.02	2.22e-04	0.0	60.0	5.60	-4.08	0.04	-0.01	4.99e-03	3.43
65	147	-3.42	0.04	-1.85e-04	-0.19	0.0	-3.66	5.78	-0.08	1.90e-04	0.04	-6.83
		-6.83	-0.01	-2.25e-04	0.0	60.0	-3.66	5.60	-0.08	1.90e-04	-0.01	-3.42
65	172	4.68	4.75e-03	-3.94e-05	-0.19	0.0	5.70	-3.02	0.04	-0.01	-0.02	4.68
		2.82	-0.02	2.12e-04	0.0	60.0	5.70	-3.21	0.04	-0.01	4.75e-03	2.82
65	175	-2.81	0.04	-1.76e-04	-0.19	0.0	-3.76	4.92	-0.08	1.99e-03	0.04	-5.70
		-5.70	-9.98e-03	-2.14e-04	0.0	60.0	-3.76	4.73	-0.08	1.99e-03	-9.98e-03	-2.81
65	176	5.86	4.99e-03	-3.56e-05	-0.19	0.0	5.63	-3.92	0.04	-0.01	-0.02	5.86
		3.45	-0.02	2.22e-04	0.0	60.0	5.63	-4.11	0.04	-0.01	4.99e-03	3.45
65	179	-3.44	0.04	-1.84e-04	-0.19	0.0	-3.69	5.82	-0.08	-2.88e-04	0.04	-6.87
		-6.87	-0.01	-2.25e-04	0.0	60.0	-3.69	5.63	-0.08	-2.88e-04	-0.01	-3.44
65	184	5.76	5.16e-03	-3.12e-05	-0.19	0.0	5.42	-3.84	0.04	-0.01	-0.02	5.76
		3.40	-0.02	2.37e-04	0.0	60.0	5.42	-4.03	0.04	-0.01	5.16e-03	3.40
65	187	-3.39	0.04	-1.90e-04	-0.19	0.0	-3.49	5.73	-0.08	-9.22e-04	0.04	-6.77
		-6.77	-0.01	-2.39e-04	0.0	60.0	-3.49	5.55	-0.08	-9.22e-04	-0.01	-3.39
65	204	5.61	6.02e-03	-3.30e-05	-0.19	0.0	6.54	-3.73	0.05	-0.01	-0.02	5.61
		3.31	-0.02	2.49e-04	0.0	60.0	6.54	-3.91	0.05	-0.01	6.02e-03	3.31
65	207	-3.31	0.04	-1.86e-04	-0.19	0.0	-4.60	5.62	-0.09	3.02e-03	0.04	-6.62
		-6.62	-0.01	-2.51e-04	0.0	60.0	-4.60	5.43	-0.09	3.02e-03	-0.01	-3.31
65	216	7.07	6.73e-03	-2.53e-05	-0.19	0.0	6.36	-4.84	0.05	-0.01	-0.03	7.07
		4.11	-0.03	2.86e-04	0.0	60.0	6.36	-5.03	0.05	-0.01	6.73e-03	4.11
65	219	-4.10	0.04	-2.06e-04	-0.19	0.0	-4.42	6.73	-0.09	-2.19e-04	0.04	-8.08
		-8.08	-0.01	-2.89e-04	0.0	60.0	-4.42	6.55	-0.09	-2.19e-04	-0.01	-4.10
66	18	1.06	2.91e-03	-3.25e-05	-0.12	0.0	2.53	-0.03	-6.02e-03	-8.65e-03	2.91e-03	1.06
		1.04	1.10e-03	-3.90e-06	0.0	30.0	2.53	-0.15	-6.02e-03	-8.65e-03	1.10e-03	1.04
66	31	0.84	-9.80e-04	-3.10e-05	-0.09	0.0	1.36	-0.15	4.25e-03	-7.49e-03	-2.25e-03	0.84
		0.77	-2.25e-03	0.0	0.0	30.0	1.36	-0.25	4.25e-03	-7.49e-03	-9.80e-04	0.77
66	35	1.10	-9.53e-04	-3.68e-05	-0.12	0.0	1.84	-0.13	4.03e-03	-9.31e-03	-2.16e-03	1.10
		1.05	-2.16e-03	0.0	0.0	30.0	1.84	-0.25	4.03e-03	-9.31e-03	-9.53e-04	1.05
66	45	0.84	-1.78e-03	-1.73e-05	-0.09	0.0	0.83	-0.08	8.41e-03	-4.45e-03	-4.30e-03	0.84
		0.80	-4.30e-03	2.00e-06	0.0	30.0	0.83	-0.17	8.41e-03	-4.45e-03	-1.78e-03	0.80
66	75	0.82	1.97e-03	-2.33e-05	-0.09	0.0	1.86	-0.01	-4.09e-03	-6.23e-03	1.97e-03	0.82
		0.80	7.44e-04	-2.66e-06	0.0	30.0	1.86	-0.11	-4.09e-03	-6.23e-03	7.44e-04	0.80
66	79	0.83	-6.22e-04	-2.68e-05	-0.09	0.0	1.38	-0.11	2.56e-03	-6.63e-03	-1.39e-03	0.83
		0.78	-1.39e-03	0.0	0.0	30.0	1.38	-0.20	2.56e-03	-6.63e-03	-6.22e-04	0.78
66	83	0.84	-6.26e-04	-2.61e-05	-0.09	0.0	1.40	-0.08	2.61e-03	-6.67e-03	-1.41e-03	0.84
		0.80	-1.41e-03	0.0	0.0	30.0	1.40	-0.18	2.61e-03	-6.67e-03	-6.26e-04	0.80
66	85	0.83	-1.16e-03	-1.76e-05	-0.09	0.0	1.03	-0.06	5.34e-03	-4.60e-03	-2.76e-03	0.83
		0.80	-2.76e-03	1.10e-06	0.0	30.0	1.03	-0.15	5.34e-03	-4.60e-03	-1.16e-03	0.80
66	98	0.82	4.09e-04	-2.32e-05	-0.09	0.0	1.53	-0.05	-9.83e-04	-5.95e-03	4.09e-04	0.82
		0.79	1.14e-04	0.0	0.0	30.0	1.53	-0.14	-9.83e-04	-5.95e-03	1.14e-04	0.79
66	103	0.82	7.05e-04	-2.21e-05	-0.09	0.0	1.56	-0.04	-1.56e-03	-5.74e-03	7.05e-04	0.82
		0.79	2.36e-04	-1.21e-06	0.0	30.0	1.56	-0.13	-1.56e-03	-5.74e-03	2.36e-04	0.79
66	104	0.82	-1.60e-04	-1.68e-05	-0.09	0.0	1.31	-0.01	4.73e-04	-4.53e-03	-3.02e-04	0.82
		0.80	-3.02e-04	0.0	0.0	30.0	1.31	-0.10	4.73e-04	-4.53e-03	-1.60e-04	0.80
66	105	0.82	-1.38e-04	-2.25e-05	-0.09	0.0	1.44	-0.05	2.68e-04	-5.77e-03	-2.19e-04	0.82
		0.79	-2.19e-04	0.0	0.0	30.0	1.44	-0.15	2.68e-04	-5.77e-03	-1.38e-04	0.79
66	106	0.82	3.11e-04	-1.65e-05	-0.09	0.0	1.38	1.08e-03	-7.42e-04	-4.51e-03	3.11e-04	0.82

		0.80	8.86e-05	0.0	0.0	30.0	1.38	-0.09	-7.42e-04	-4.51e-03	8.86e-05	0.80
66	107	0.82	3.95e-04	-2.23e-05	-0.09	0.0	1.51	-0.04	-9.48e-04	-5.75e-03	3.95e-04	0.82
		0.79	1.10e-04	0.0	0.0	30.0	1.51	-0.14	-9.48e-04	-5.75e-03	1.10e-04	0.79
66	112	1.93	-7.32e-05	-2.88e-06	-0.09	0.0	1.65	9.68	1.86e-03	-0.01	-6.31e-04	-0.96
		-0.96	-6.31e-04	9.81e-05	0.0	30.0	1.65	9.58	1.86e-03	-0.01	-7.32e-05	1.93
66	113	1.73	-1.94e-04	-1.26e-05	-0.09	0.0	0.74	7.92	2.81e-03	-0.01	-1.03e-03	-0.63
		-0.63	-1.03e-03	9.46e-05	0.0	30.0	0.74	7.82	2.81e-03	-0.01	-1.94e-04	1.73
66	114	2.27	1.82e-03	-3.20e-05	-0.09	0.0	2.28	-8.00	-4.70e-03	1.67e-03	1.82e-03	2.27
		-0.14	4.15e-04	-9.63e-05	0.0	30.0	2.28	-8.10	-4.70e-03	1.67e-03	4.15e-04	-0.14
66	115	2.60	1.42e-03	-4.17e-05	-0.09	0.0	1.37	-9.76	-3.75e-03	-4.66e-04	1.42e-03	2.60
		-0.35	2.94e-04	-9.98e-05	0.0	30.0	1.37	-9.86	-3.75e-03	-4.66e-04	2.94e-04	-0.35
66	137	0.91	-1.61e-04	-4.43e-05	-0.09	0.0	-0.11	-0.46	1.57e-03	-0.01	-6.22e-04	0.91
		0.74	-6.22e-04	2.34e-05	0.0	30.0	-0.11	-0.55	1.57e-03	-0.01	-1.61e-04	0.74
66	138	0.84	1.41e-03	0.0	-0.09	0.0	3.12	0.37	-3.47e-03	-4.41e-04	1.41e-03	0.73
		0.73	3.82e-04	-2.51e-05	0.0	30.0	3.12	0.28	-3.47e-03	-4.41e-04	3.82e-04	0.84
66	144	2.08	-9.66e-05	0.0	-0.09	0.0	1.67	10.91	2.21e-03	-0.01	-7.62e-04	-1.19
		-1.19	-7.62e-04	1.11e-04	0.0	30.0	1.67	10.82	2.21e-03	-0.01	-9.66e-05	2.08
66	145	1.84	-2.32e-04	-1.12e-05	-0.09	0.0	0.64	8.92	3.28e-03	-0.01	-1.21e-03	-0.82
		-0.82	-1.21e-03	1.07e-04	0.0	30.0	0.64	8.83	3.28e-03	-0.01	-2.32e-04	1.84
66	146	2.46	2.00e-03	-3.33e-05	-0.09	0.0	2.37	-9.01	-5.18e-03	2.59e-03	2.00e-03	2.46
		-0.26	4.53e-04	-1.08e-04	0.0	30.0	2.37	-9.10	-5.18e-03	2.59e-03	4.53e-04	-0.26
66	147	2.83	1.55e-03	-4.43e-05	-0.09	0.0	1.35	-11.00	-4.11e-03	1.90e-04	1.55e-03	2.83
		-0.49	3.18e-04	-1.12e-04	0.0	30.0	1.35	-11.09	-4.11e-03	1.90e-04	3.18e-04	-0.49
66	169	0.92	-1.95e-04	-4.71e-05	-0.09	0.0	-0.31	-0.51	1.89e-03	-0.01	-7.52e-04	0.92
		0.74	-7.52e-04	2.64e-05	0.0	30.0	-0.31	-0.60	1.89e-03	-0.01	-1.95e-04	0.74
66	170	0.85	1.54e-03	2.58e-06	-0.09	0.0	3.32	0.42	-3.79e-03	2.05e-04	1.54e-03	0.72
		0.72	4.16e-04	-2.81e-05	0.0	30.0	3.32	0.33	-3.79e-03	2.05e-04	4.16e-04	0.85
66	176	2.08	-9.89e-05	2.82e-06	-0.09	0.0	1.69	10.99	2.23e-03	-0.01	-7.72e-04	-1.21
		-1.21	-7.72e-04	1.11e-04	0.0	30.0	1.69	10.90	2.23e-03	-0.01	-9.89e-05	2.08
66	177	1.84	-2.32e-04	-7.73e-06	-0.09	0.0	0.68	8.95	3.30e-03	-0.01	-1.22e-03	-0.82
		-0.82	-1.22e-03	1.06e-04	0.0	30.0	0.68	8.86	3.30e-03	-0.01	-2.32e-04	1.84
66	178	2.46	2.01e-03	-3.68e-05	-0.09	0.0	2.33	-9.04	-5.19e-03	2.02e-03	2.01e-03	2.46
		-0.26	4.53e-04	-1.07e-04	0.0	30.0	2.33	-9.13	-5.19e-03	2.02e-03	4.53e-04	-0.26
66	179	2.84	1.56e-03	-4.74e-05	-0.09	0.0	1.33	-11.08	-4.13e-03	2.88e-04	1.56e-03	2.84
		-0.50	3.20e-04	-1.12e-04	0.0	30.0	1.33	-11.17	-4.13e-03	2.88e-04	3.20e-04	-0.50
66	201	0.91	-1.93e-04	-4.81e-05	-0.09	0.0	-0.27	-0.48	1.92e-03	-0.01	-7.57e-04	0.91
		0.74	-7.57e-04	2.56e-05	0.0	30.0	-0.27	-0.58	1.92e-03	-0.01	-1.93e-04	0.74
66	202	0.85	1.55e-03	3.53e-06	-0.09	0.0	3.29	0.40	-3.81e-03	-1.06e-04	1.55e-03	0.73
		0.73	4.14e-04	-2.73e-05	0.0	30.0	3.29	0.30	-3.81e-03	-1.06e-04	4.14e-04	0.85
66	216	2.34	-1.43e-04	-5.16e-05	-0.09	0.0	1.67	13.14	2.86e-03	-0.01	-1.00e-03	-1.60
		-1.60	-1.00e-03	1.43e-04	0.0	30.0	1.67	13.04	2.86e-03	-0.01	-1.43e-04	2.34
66	217	2.05	-2.97e-04	-6.36e-05	-0.09	0.0	0.51	10.70	4.10e-03	-0.01	-1.52e-03	-1.15
		-1.15	-1.52e-03	1.36e-04	0.0	30.0	0.51	10.61	4.10e-03	-0.01	-2.97e-04	2.05
66	218	2.79	2.31e-03	1.91e-05	-0.09	0.0	2.51	-10.79	-6.00e-03	2.45e-03	2.31e-03	2.79
		-0.46	5.18e-04	-1.38e-04	0.0	30.0	2.51	-10.88	-6.00e-03	2.45e-03	5.18e-04	-0.46
66	219	3.24	1.79e-03	7.04e-06	-0.09	0.0	1.35	-13.22	-4.76e-03	-2.19e-04	1.79e-03	3.24
		-0.75	3.64e-04	-1.45e-04	0.0	30.0	1.35	-13.32	-4.76e-03	-2.19e-04	3.64e-04	-0.75
66	233	0.92	-2.46e-04	-5.29e-05	-0.09	0.0	-0.56	-0.52	2.45e-03	-0.01	-9.67e-04	0.92
		0.73	-9.67e-04	3.00e-05	0.0	30.0	-0.56	-0.61	2.45e-03	-0.01	-2.46e-04	0.73
66	234	0.85	1.76e-03	8.38e-06	-0.09	0.0	3.57	0.43	-4.35e-03	7.62e-04	1.76e-03	0.72
		0.72	4.67e-04	-3.18e-05	0.0	30.0	3.57	0.34	-4.35e-03	7.62e-04	4.67e-04	0.85
67	18	1.04	1.10e-03	-2.36e-05	-0.12	0.0	2.65	-0.17	-1.85e-03	-8.65e-03	1.10e-03	1.04
		0.97	5.49e-04	-3.87e-06	0.0	30.0	2.65	-0.29	-1.85e-03	-8.65e-03	5.49e-04	0.97
67	31	0.77	-5.42e-04	-2.46e-05	-0.09	0.0	1.38	-0.23	1.46e-03	-7.49e-03	-9.80e-04	0.77
		0.69	-9.80e-04	0.0	0.0	30.0	1.38	-0.33	1.46e-03	-7.49e-03	-5.42e-04	0.69
67	45	0.80	-9.51e-04	-1.08e-05	-0.09	0.0	0.80	-0.15	2.77e-03	-4.45e-03	-1.78e-03	0.80
		0.74	-1.78e-03	1.95e-06	0.0	30.0	0.80	-0.24	2.77e-03	-4.45e-03	-9.51e-04	0.74
67	57	1.07	1.29e-04	-1.67e-05	-0.12	0.0	1.98	-0.13	-2.76e-04	-7.05e-03	1.29e-04	1.07
		1.01	4.59e-05	-1.01e-06	0.0	30.0	1.98	-0.25	-2.76e-04	-7.05e-03	4.59e-05	1.01
67	75	0.80	7.44e-04	-1.64e-05	-0.09	0.0	1.94	-0.12	-1.25e-03	-6.23e-03	7.44e-04	0.80
		0.75	3.69e-04	-2.64e-06	0.0	30.0	1.94	-0.22	-1.25e-03	-6.23e-03	3.69e-04	0.75
67	79	0.78	-3.50e-04	-2.02e-05	-0.09	0.0	1.41	-0.19	9.06e-04	-6.63e-03	-6.22e-04	0.78
		0.71	-6.22e-04	0.0	0.0	30.0	1.41	-0.28	9.06e-04	-6.63e-03	-3.50e-04	0.71
67	85	0.80	-6.23e-04	-1.10e-05	-0.09	0.0	1.02	-0.13	1.78e-03	-4.60e-03	-1.16e-03	0.80
		0.75	-1.16e-03	1.07e-06	0.0	30.0	1.02	-0.23	1.78e-03	-4.60e-03	-6.23e-04	0.75
67	93	0.82	9.53e-05	-1.18e-05	-0.09	0.0	1.49	-0.10	-2.04e-04	-5.17e-03	9.53e-05	0.82
		0.78	3.42e-05	0.0	0.0	30.0	1.49	-0.19	-2.04e-04	-5.17e-03	3.42e-05	0.78
67	98	0.79	1.14e-04	-1.66e-05	-0.09	0.0	1.57	-0.14	-2.48e-04	-5.95e-03	1.14e-04	0.79
		0.73	3.97e-05	0.0	0.0	30.0	1.57	-0.24	-2.48e-04	-5.95e-03	3.97e-05	0.73
67	99	0.81	8.99e-05	-1.02e-05	-0.09	0.0	1.43	-0.09	-1.92e-04	-4.64e-03	8.99e-05	0.81
		0.76	3.24e-05	0.0	0.0	30.0	1.43	-0.19	-1.92e-04	-4.64e-03	3.24e-05	0.76
67	103	0.79	2.36e-04	-1.54e-05	-0.09	0.0	1.62	-0.13	-4.39e-04	-5.74e-03	2.36e-04	0.79
		0.74	1.04e-04	-1.21e-06	0.0	30.0	1.62	-0.23	-4.39e-04	-5.74e-03	1.04e-04	0.74
67	104	0.80	-9.89e-05	-1.00e-05	-0.09	0.0	1.33	-0.10	2.05e-04	-4.53e-03	-1.60e-04	0.80
		0.76	-1.60e-04	0.0	0.0	30.0	1.33	-0.20	2.05e-04	-4.53e-03	-9.89e-05	0.76

67	106	0.80	8.86e-05	-9.76e-06	-0.09	0.0	1.41	-0.09	-1.89e-04	-4.51e-03	8.86e-05	0.80
		0.76	3.20e-05	0.0	0.0	30.0	1.41	-0.19	-1.89e-04	-4.51e-03	3.20e-05	0.76
67	107	0.79	1.10e-04	-1.56e-05	-0.09	0.0	1.55	-0.14	-2.40e-04	-5.75e-03	1.10e-04	0.79
		0.74	3.86e-05	0.0	0.0	30.0	1.55	-0.23	-2.40e-04	-5.75e-03	3.86e-05	0.74
67	109	4.60	-1.38e-05	-1.38e-03	-0.09	0.0	0.81	8.95	5.95e-04	-0.01	-1.74e-04	1.94
		1.94	-1.74e-04	9.87e-05	0.0	30.0	0.81	8.86	5.95e-04	-0.01	-1.38e-05	4.60
67	110	-0.35	3.95e-04	1.35e-03	-0.09	0.0	2.29	-9.23	-1.07e-03	-4.46e-04	3.95e-04	-0.35
		-3.13	9.09e-05	-1.00e-04	0.0	30.0	2.29	-9.32	-1.07e-03	-4.46e-04	9.09e-05	-3.13
67	113	3.90	-2.24e-05	-1.39e-03	-0.09	0.0	0.72	7.30	6.26e-04	-0.01	-1.94e-04	1.73
		1.73	-1.94e-04	9.47e-05	0.0	30.0	0.72	7.21	6.26e-04	-0.01	-2.24e-05	3.90
67	114	-0.14	4.15e-04	1.36e-03	-0.09	0.0	2.38	-7.57	-1.11e-03	1.67e-03	4.15e-04	-0.14
		-2.43	9.95e-05	-9.64e-05	0.0	30.0	2.38	-7.67	-1.11e-03	1.67e-03	9.95e-05	-2.43
67	133	0.76	-7.54e-05	-4.43e-04	-0.09	0.0	-0.20	-0.40	3.55e-04	-0.01	-1.64e-04	0.76
		0.63	-1.64e-04	2.27e-05	0.0	30.0	-0.20	-0.50	3.55e-04	-0.01	-7.54e-05	0.63
67	134	0.85	3.85e-04	4.12e-04	-0.09	0.0	3.30	0.13	-8.34e-04	-2.88e-04	3.85e-04	0.83
		0.83	1.53e-04	-2.45e-05	0.0	30.0	3.30	0.03	-8.34e-04	-2.88e-04	1.53e-04	0.85
67	141	5.10	-2.02e-05	-1.56e-03	-0.09	0.0	0.72	10.11	7.01e-04	-0.01	-2.10e-04	2.08
		2.08	-2.10e-04	1.11e-04	0.0	30.0	0.72	10.01	7.01e-04	-0.01	-2.02e-05	5.10
67	142	-0.50	4.31e-04	1.52e-03	-0.09	0.0	2.38	-10.38	-1.18e-03	2.14e-04	4.31e-04	-0.50
		-3.62	9.74e-05	-1.13e-04	0.0	30.0	2.38	-10.48	-1.18e-03	2.14e-04	9.74e-05	-3.62
67	145	4.30	-2.99e-05	-1.56e-03	-0.09	0.0	0.62	8.24	7.36e-04	-0.01	-2.32e-04	1.84
		1.84	-2.32e-04	1.07e-04	0.0	30.0	0.62	8.15	7.36e-04	-0.01	-2.99e-05	4.30
67	146	-0.26	4.53e-04	1.53e-03	-0.09	0.0	2.49	-8.52	-1.22e-03	2.59e-03	4.53e-04	-0.26
		-2.83	1.07e-04	-1.08e-04	0.0	30.0	2.49	-8.61	-1.22e-03	2.59e-03	1.07e-04	-2.83
67	165	0.75	-8.95e-05	-4.97e-04	-0.09	0.0	-0.41	-0.45	4.30e-04	-0.01	-1.98e-04	0.75
		0.61	-1.98e-04	2.55e-05	0.0	30.0	-0.41	-0.54	4.30e-04	-0.01	-8.95e-05	0.61
67	166	0.86	4.19e-04	4.66e-04	-0.09	0.0	3.52	0.17	-9.09e-04	3.89e-04	4.19e-04	0.83
		0.83	1.67e-04	-2.73e-05	0.0	30.0	3.52	0.08	-9.09e-04	3.89e-04	1.67e-04	0.86
67	173	5.12	-1.76e-05	-1.50e-03	-0.09	0.0	0.76	10.17	7.08e-04	-0.01	-2.11e-04	2.09
		2.09	-2.11e-04	1.11e-04	0.0	30.0	0.76	10.08	7.08e-04	-0.01	-1.76e-05	5.12
67	174	-0.50	4.32e-04	1.47e-03	-0.09	0.0	2.34	-10.45	-1.19e-03	-2.56e-04	4.32e-04	-0.50
		-3.65	9.47e-05	-1.13e-04	0.0	30.0	2.34	-10.54	-1.19e-03	-2.56e-04	9.47e-05	-3.65
67	177	4.31	-2.71e-05	-1.51e-03	-0.09	0.0	0.66	8.27	7.39e-04	-0.01	-2.32e-04	1.84
		1.84	-2.32e-04	1.06e-04	0.0	30.0	0.66	8.17	7.39e-04	-0.01	-2.71e-05	4.31
67	178	-0.26	4.53e-04	1.48e-03	-0.09	0.0	2.44	-8.54	-1.22e-03	2.02e-03	4.53e-04	-0.26
		-2.84	1.04e-04	-1.07e-04	0.0	30.0	2.44	-8.64	-1.22e-03	2.02e-03	1.04e-04	-2.84
67	197	0.74	-8.64e-05	-4.80e-04	-0.09	0.0	-0.37	-0.51	4.28e-04	-0.01	-1.94e-04	0.74
		0.58	-1.94e-04	2.37e-05	0.0	30.0	-0.37	-0.61	4.28e-04	-0.01	-8.64e-05	0.58
67	198	0.89	4.15e-04	4.48e-04	-0.09	0.0	3.48	0.24	-9.07e-04	8.40e-05	4.15e-04	0.84
		0.84	1.64e-04	-2.54e-05	0.0	30.0	3.48	0.14	-9.07e-04	8.40e-05	1.64e-04	0.89
67	213	5.97	-2.59e-05	-3.57e-05	-0.09	0.0	0.68	12.18	8.91e-04	-0.01	-2.75e-04	2.34
		2.34	-2.75e-04	1.43e-04	0.0	30.0	0.68	12.08	8.91e-04	-0.01	-2.59e-05	5.97
67	214	-0.75	4.95e-04	5.38e-06	-0.09	0.0	2.43	-12.45	-1.37e-03	-1.79e-04	4.95e-04	-0.75
		-4.50	1.03e-04	-1.45e-04	0.0	30.0	2.43	-12.55	-1.37e-03	-1.79e-04	1.03e-04	-4.50
67	217	5.01	-3.70e-05	-4.36e-05	-0.09	0.0	0.55	9.90	9.25e-04	-0.01	-2.97e-04	2.05
		2.05	-2.97e-04	1.36e-04	0.0	30.0	0.55	9.81	9.25e-04	-0.01	-3.70e-05	5.01
67	218	-0.46	5.18e-04	1.24e-05	-0.09	0.0	2.55	-10.18	-1.40e-03	2.45e-03	5.18e-04	-0.46
		-3.53	1.14e-04	-1.38e-04	0.0	30.0	2.55	-10.27	-1.40e-03	2.45e-03	1.14e-04	-3.53
67	229	0.73	-1.06e-04	-5.52e-04	-0.09	0.0	-0.68	-0.63	5.44e-04	-0.01	-2.44e-04	0.73
		0.53	-2.44e-04	2.67e-05	0.0	30.0	-0.68	-0.72	5.44e-04	-0.01	-1.06e-04	0.53
67	230	0.94	4.65e-04	5.20e-04	-0.09	0.0	3.78	0.35	-1.02e-03	9.44e-04	4.65e-04	0.86
		0.86	1.84e-04	-2.84e-05	0.0	30.0	3.78	0.26	-1.02e-03	9.44e-04	1.84e-04	0.94
68	9	1.02	3.42e-04	-7.49e-06	-0.24	0.0	2.33	-0.24	-4.89e-04	-7.00e-03	3.42e-04	1.02
		0.80	4.83e-05	-4.99e-06	0.0	60.0	2.33	-0.49	-4.89e-04	-7.00e-03	4.83e-05	0.80
68	18	0.97	5.49e-04	-2.44e-05	-0.24	0.0	2.77	-0.21	-7.90e-04	-8.65e-03	5.49e-04	0.97
		0.77	7.45e-05	-7.69e-06	0.0	60.0	2.77	-0.46	-7.90e-04	-8.65e-03	7.45e-05	0.77
68	31	0.69	-3.23e-05	-3.53e-05	-0.19	0.0	1.43	-0.11	8.49e-04	-7.49e-03	-5.42e-04	0.69
		0.57	-5.42e-04	0.0	0.0	60.0	1.43	-0.30	8.49e-04	-7.49e-03	-3.23e-05	0.57
68	45	0.74	-8.12e-05	-5.69e-06	-0.19	0.0	0.75	-0.14	1.45e-03	-4.45e-03	-9.51e-04	0.74
		0.60	-9.51e-04	3.80e-06	0.0	60.0	0.75	-0.33	1.45e-03	-4.45e-03	-8.12e-05	0.60
68	69	0.78	2.31e-04	-4.58e-06	-0.19	0.0	1.73	-0.19	-3.30e-04	-5.13e-03	2.31e-04	0.78
		0.61	3.34e-05	-3.44e-06	0.0	60.0	1.73	-0.37	-3.30e-04	-5.13e-03	3.34e-05	0.61
68	75	0.75	3.69e-04	-1.51e-05	-0.19	0.0	2.02	-0.16	-5.31e-04	-6.23e-03	3.69e-04	0.75
		0.59	5.09e-05	-5.24e-06	0.0	60.0	2.02	-0.35	-5.31e-04	-6.23e-03	5.09e-05	0.59
68	79	0.71	-1.68e-05	-2.52e-05	-0.19	0.0	1.44	-0.13	5.55e-04	-6.63e-03	-3.50e-04	0.71
		0.58	-3.50e-04	0.0	0.0	60.0	1.44	-0.31	5.55e-04	-6.63e-03	-1.68e-05	0.58
68	85	0.75	-4.94e-05	-5.76e-06	-0.19	0.0	0.99	-0.15	9.55e-04	-4.60e-03	-6.23e-04	0.75
		0.60	-6.23e-04	2.07e-06	0.0	60.0	0.99	-0.34	9.55e-04	-4.60e-03	-4.94e-05	0.60
68	98	0.73	3.97e-05	-1.63e-05	-0.19	0.0	1.62	-0.15	-3.57e-05	-5.95e-03	3.97e-05	0.73
		0.59	1.82e-05	-1.84e-06	0.0	60.0	1.62	-0.34	-3.57e-05	-5.95e-03	1.82e-05	0.59
68	99	0.76	3.24e-05	-3.89e-06	-0.19	0.0	1.44	-0.17	-3.22e-05	-4.64e-03	3.24e-05	0.76
		0.61	1.31e-05	-1.28e-06	0.0	60.0	1.44	-0.36	-3.22e-05	-4.64e-03	1.31e-05	0.61
68	103	0.74	1.04e-04	-1.35e-05	-0.19	0.0	1.66	-0.15	-1.34e-04	-5.74e-03	1.04e-04	0.74
		0.59	2.38e-05	-2.41e-06	0.0	60.0	1.66	-0.34	-1.34e-04	-5.74e-03	2.38e-05	0.59
68	104	0.76	0.0	-3.88e-06	-0.19	0.0	1.34	-0.17	1.65e-04	-4.53e-03	-9.89e-05	0.76

		0.60	-9.89e-05	0.0	0.0	60.0	1.34	-0.35	1.65e-04	-4.53e-03	0.0	0.60
68	106	0.76	3.20e-05	-3.46e-06	-0.19	0.0	1.42	-0.17	-3.20e-05	-4.51e-03	3.20e-05	0.76
		0.60	1.28e-05	-1.24e-06	0.0	60.0	1.42	-0.36	-3.20e-05	-4.51e-03	1.28e-05	0.60
68	107	0.74	3.86e-05	-1.41e-05	-0.19	0.0	1.59	-0.15	-3.52e-05	-5.75e-03	3.86e-05	0.74
		0.59	1.74e-05	-1.75e-06	0.0	60.0	1.59	-0.34	-3.52e-05	-5.75e-03	1.74e-05	0.59
68	109	4.60	-1.38e-05	1.19e-03	-0.19	0.0	0.76	-4.39	-4.95e-05	-0.01	-1.38e-05	4.60
		1.92	-2.53e-05	1.98e-04	0.0	60.0	0.76	-4.57	-4.95e-05	-0.01	-2.53e-05	1.92
68	110	-0.74	9.09e-05	-1.22e-03	-0.19	0.0	2.43	4.08	-2.09e-05	-4.46e-04	9.09e-05	-3.13
		-3.13	6.02e-05	-2.01e-04	0.0	60.0	2.43	3.90	-2.09e-05	-4.46e-04	6.02e-05	-0.74
68	133	0.63	-1.07e-05	3.19e-04	-0.19	0.0	-0.43	-0.03	1.07e-04	-0.01	-7.54e-05	0.63
		0.55	-7.54e-05	4.63e-05	0.0	60.0	-0.43	-0.22	1.07e-04	-0.01	-1.07e-05	0.55
68	134	0.85	1.53e-04	-3.47e-04	-0.19	0.0	3.62	-0.27	-1.77e-04	-2.88e-04	1.53e-04	0.85
		0.63	4.56e-05	-4.98e-05	0.0	60.0	3.62	-0.46	-1.77e-04	-2.88e-04	4.56e-05	0.63
68	137	0.58	-9.73e-06	1.24e-05	-0.19	0.0	-0.43	0.03	1.08e-04	-0.01	-7.53e-05	0.58
		0.53	-7.53e-05	4.81e-05	0.0	60.0	-0.43	-0.16	1.08e-04	-0.01	-9.73e-06	0.53
68	138	0.90	1.52e-04	-4.07e-05	-0.19	0.0	3.62	-0.33	-1.79e-04	-4.41e-04	1.52e-04	0.90
		0.65	4.46e-05	-5.16e-05	0.0	60.0	3.62	-0.52	-1.79e-04	-4.41e-04	4.46e-05	0.65
68	141	5.10	-2.02e-05	1.34e-03	-0.19	0.0	0.65	-4.92	-5.14e-05	-0.01	-2.02e-05	5.10
		2.09	-3.08e-05	2.23e-04	0.0	60.0	0.65	-5.11	-5.14e-05	-0.01	-3.08e-05	2.09
68	142	-0.91	9.74e-05	-1.37e-03	-0.19	0.0	2.53	4.62	-1.91e-05	2.14e-04	9.74e-05	-3.62
		-3.62	6.57e-05	-2.27e-04	0.0	60.0	2.53	4.43	-1.91e-05	2.14e-04	6.57e-05	-0.91
68	165	0.61	-1.43e-05	3.60e-04	-0.19	0.0	-0.68	-0.01	1.24e-04	-0.01	-8.95e-05	0.61
		0.55	-8.95e-05	5.20e-05	0.0	60.0	-0.68	-0.20	1.24e-04	-0.01	-1.43e-05	0.55
68	166	0.86	1.67e-04	-3.88e-04	-0.19	0.0	3.87	-0.29	-1.95e-04	3.89e-04	1.67e-04	0.86
		0.63	4.92e-05	-5.55e-05	0.0	60.0	3.87	-0.48	-1.95e-04	3.89e-04	4.92e-05	0.63
68	169	0.56	-1.32e-05	1.59e-05	-0.19	0.0	-0.68	0.05	1.26e-04	-0.01	-8.93e-05	0.56
		0.53	-8.93e-05	5.43e-05	0.0	60.0	-0.68	-0.14	1.26e-04	-0.01	-1.32e-05	0.53
68	170	0.92	1.66e-04	-4.41e-05	-0.19	0.0	3.87	-0.35	-1.97e-04	2.05e-04	1.66e-04	0.92
		0.65	4.81e-05	-5.78e-05	0.0	60.0	3.87	-0.54	-1.97e-04	2.05e-04	4.81e-05	0.65
68	173	5.12	-1.76e-05	1.28e-03	-0.19	0.0	0.69	-4.95	-5.07e-05	-0.01	-1.76e-05	5.12
		2.09	-3.10e-05	2.23e-04	0.0	60.0	0.69	-5.14	-5.07e-05	-0.01	-3.10e-05	2.09
68	174	-0.91	9.47e-05	-1.31e-03	-0.19	0.0	2.50	4.65	-1.97e-05	-2.56e-04	9.47e-05	-3.65
		-3.65	6.59e-05	-2.26e-04	0.0	60.0	2.50	4.46	-1.97e-05	-2.56e-04	6.59e-05	-0.91
68	197	0.58	-1.43e-05	3.41e-04	-0.19	0.0	-0.64	0.02	1.22e-04	-0.01	-8.64e-05	0.58
		0.54	-8.64e-05	4.83e-05	0.0	60.0	-0.64	-0.17	1.22e-04	-0.01	-1.43e-05	0.54
68	198	0.89	1.64e-04	-3.69e-04	-0.19	0.0	3.82	-0.32	-1.92e-04	8.41e-05	1.64e-04	0.89
		0.64	4.92e-05	-5.18e-05	0.0	60.0	3.82	-0.51	-1.92e-04	8.41e-05	4.92e-05	0.64
68	201	0.57	-1.36e-05	1.72e-05	-0.19	0.0	-0.64	0.04	1.24e-04	-0.01	-8.63e-05	0.57
		0.53	-8.63e-05	5.27e-05	0.0	60.0	-0.64	-0.15	1.24e-04	-0.01	-1.36e-05	0.53
68	202	0.91	1.63e-04	-4.54e-05	-0.19	0.0	3.82	-0.34	-1.94e-04	-1.06e-04	1.63e-04	0.91
		0.65	4.85e-05	-5.62e-05	0.0	60.0	3.82	-0.53	-1.94e-04	-1.06e-04	4.85e-05	0.65
68	213	5.97	-2.59e-05	2.52e-04	-0.19	0.0	0.54	-5.88	-4.64e-05	-0.01	-2.59e-05	5.97
		2.39	-3.84e-05	2.87e-04	0.0	60.0	0.54	-6.07	-4.64e-05	-0.01	-3.84e-05	2.39
68	214	-1.21	1.03e-04	-2.81e-04	-0.19	0.0	2.65	5.58	-2.40e-05	-1.79e-04	1.03e-04	-4.50
		-4.50	7.33e-05	-2.90e-04	0.0	60.0	2.65	5.39	-2.40e-05	-1.79e-04	7.33e-05	-1.21
68	229	0.54	-1.99e-05	3.92e-04	-0.19	0.0	-0.99	0.07	1.47e-04	-0.01	-1.06e-04	0.53
		0.52	-1.06e-04	5.45e-05	0.0	60.0	-0.99	-0.12	1.47e-04	-0.01	-1.99e-05	0.52
68	230	0.94	1.84e-04	-4.20e-04	-0.19	0.0	4.18	-0.38	-2.18e-04	9.44e-04	1.84e-04	0.94
		0.66	5.48e-05	-5.80e-05	0.0	60.0	4.18	-0.56	-2.18e-04	9.44e-04	5.48e-05	0.66
68	233	0.56	-1.95e-05	2.39e-05	-0.19	0.0	-1.00	0.05	1.50e-04	-0.01	-1.06e-04	0.55
		0.53	-1.06e-04	6.20e-05	0.0	60.0	-1.00	-0.13	1.50e-04	-0.01	-1.95e-05	0.53
68	234	0.92	1.84e-04	-5.22e-05	-0.19	0.0	4.18	-0.36	-2.20e-04	7.62e-04	1.84e-04	0.92
		0.65	5.44e-05	-6.55e-05	0.0	60.0	4.18	-0.54	-2.20e-04	7.62e-04	5.44e-05	0.65
69	3	-0.48	0.06	-7.36e-06	-0.24	0.0	2.27	-0.06	0.08	-9.11e-03	9.73e-03	-0.48
		-0.59	9.73e-03	-3.96e-06	0.0	60.0	2.27	-0.31	0.08	-9.11e-03	0.06	-0.59
69	4	-0.48	0.06	-1.01e-05	-0.24	0.0	2.36	-0.06	0.08	-9.61e-03	0.01	-0.48
		-0.59	0.01	-4.05e-06	0.0	60.0	2.36	-0.30	0.08	-9.61e-03	0.06	-0.59
69	18	-0.47	0.06	1.52e-06	-0.24	0.0	2.45	0.05	0.08	-8.65e-03	8.91e-03	-0.47
		-0.51	8.91e-03	-5.90e-06	0.0	60.0	2.45	-0.19	0.08	-8.65e-03	0.06	-0.51
69	19	-0.22	0.03	2.40e-05	-0.19	0.0	1.42	0.25	0.04	-4.22e-03	4.19e-03	-0.22
		-0.31	4.19e-03	-5.27e-06	0.0	60.0	1.42	0.06	0.04	-4.22e-03	0.03	-0.31
69	45	-0.16	0.03	2.07e-05	-0.19	0.0	-0.59	0.18	0.03	-4.45e-03	5.83e-03	-0.22
		-0.22	5.83e-03	5.04e-06	0.0	60.0	-0.59	-4.77e-03	0.03	-4.45e-03	0.03	-0.22
69	46	-0.16	0.03	1.79e-05	-0.19	0.0	-0.50	0.19	0.04	-4.94e-03	6.23e-03	-0.22
		-0.22	6.23e-03	4.95e-06	0.0	60.0	-0.50	1.57e-03	0.04	-4.94e-03	0.03	-0.22
69	67	-0.35	0.04	0.0	-0.19	0.0	1.55	-1.78e-03	0.06	-6.54e-03	6.98e-03	-0.35
		-0.41	6.98e-03	-2.65e-06	0.0	60.0	1.55	-0.19	0.06	-6.54e-03	0.04	-0.41
69	68	-0.36	0.04	-2.73e-06	-0.19	0.0	1.61	2.45e-03	0.06	-6.87e-03	7.24e-03	-0.36
		-0.41	7.24e-03	-2.71e-06	0.0	60.0	1.61	-0.19	0.06	-6.87e-03	0.04	-0.41
69	72	-0.23	0.03	2.14e-05	-0.19	0.0	1.17	0.22	0.04	-4.45e-03	4.56e-03	-0.31
		-0.31	4.56e-03	-3.62e-06	0.0	60.0	1.17	0.03	0.04	-4.45e-03	0.03	-0.31
69	75	-0.34	0.04	4.33e-06	-0.19	0.0	1.67	0.07	0.06	-6.23e-03	6.44e-03	-0.35
		-0.36	6.44e-03	-3.94e-06	0.0	60.0	1.67	-0.11	0.06	-6.23e-03	0.04	-0.36
69	85	-0.19	0.03	1.92e-05	-0.19	0.0	-0.17	0.18	0.04	-4.60e-03	5.65e-03	-0.24
		-0.24	5.65e-03	3.25e-06	0.0	60.0	-0.17	-0.01	0.04	-4.60e-03	0.03	-0.24

69	86	-0.19	0.03	1.73e-05	-0.19	0.0	-0.11	0.18	0.04	-4.93e-03	5.91e-03	-0.24
		-0.24	5.91e-03	3.19e-06	0.0	60.0	-0.11	-6.32e-03	0.04	-4.93e-03	0.03	-0.19
69	98	-0.32	0.04	4.82e-06	-0.19	0.0	0.99	0.05	0.05	-5.95e-03	6.46e-03	-0.32
		-0.35	6.46e-03	0.0	0.0	60.0	0.99	-0.14	0.05	-5.95e-03	0.04	-0.35
69	102	-0.22	0.03	2.03e-05	-0.19	0.0	0.68	0.21	0.04	-4.50e-03	4.78e-03	-0.29
		-0.29	4.78e-03	-1.02e-06	0.0	60.0	0.68	0.02	0.04	-4.50e-03	0.03	-0.22
69	103	-0.31	0.04	7.26e-06	-0.19	0.0	1.05	0.08	0.05	-5.74e-03	6.17e-03	-0.32
		-0.33	6.17e-03	-1.28e-06	0.0	60.0	1.05	-0.11	0.05	-5.74e-03	0.04	-0.33
69	104	-0.21	0.03	1.99e-05	-0.19	0.0	0.41	0.20	0.04	-4.53e-03	5.00e-03	-0.27
		-0.27	5.00e-03	0.0	0.0	60.0	0.41	9.88e-03	0.04	-4.53e-03	0.03	-0.21
69	106	-0.22	0.03	2.01e-05	-0.19	0.0	0.55	0.20	0.04	-4.51e-03	4.84e-03	-0.28
		-0.28	4.84e-03	0.0	0.0	60.0	0.55	0.01	0.04	-4.51e-03	0.03	-0.22
69	107	-0.31	0.04	7.00e-06	-0.19	0.0	0.93	0.07	0.05	-5.75e-03	6.23e-03	-0.32
		-0.33	6.23e-03	0.0	0.0	60.0	0.93	-0.11	0.05	-5.75e-03	0.04	-0.33
69	109	-3.88	0.03	-1.39e-04	-0.19	0.0	-3.18	6.17	0.04	-0.01	4.67e-03	-7.53
		-7.53	4.67e-03	2.00e-04	0.0	60.0	-3.18	5.99	0.04	-0.01	0.03	-3.88
69	110	6.90	0.04	1.53e-04	-0.19	0.0	5.04	-6.02	0.06	-4.46e-04	7.78e-03	6.90
		3.23	7.78e-03	-2.01e-04	0.0	60.0	5.04	-6.21	0.06	-4.46e-04	0.04	3.23
69	124	-0.09	0.02	-5.49e-05	-0.19	0.0	2.50	-0.09	0.03	-0.01	2.19e-03	-0.09
		-0.20	2.19e-03	3.51e-05	0.0	60.0	2.50	-0.28	0.03	-0.01	0.02	-0.20
69	127	-0.46	0.05	6.89e-05	-0.19	0.0	-0.64	0.24	0.07	-3.57e-04	0.01	-0.54
		-0.54	0.01	-3.61e-05	0.0	60.0	-0.64	0.05	0.07	-3.57e-04	0.05	-0.46
69	133	-0.11	0.05	-8.50e-05	-0.19	0.0	-3.62	-0.12	0.06	-0.01	8.69e-03	-0.11
		-0.23	8.69e-03	5.26e-05	0.0	60.0	-3.62	-0.31	0.06	-0.01	0.05	-0.23
69	134	-0.42	0.03	9.90e-05	-0.19	0.0	5.48	0.27	0.04	-2.88e-04	3.77e-03	-0.52
		-0.52	3.77e-03	-5.36e-05	0.0	60.0	5.48	0.08	0.04	-2.88e-04	0.03	-0.42
69	141	-4.34	0.03	-1.58e-04	-0.19	0.0	-3.71	6.95	0.04	-0.01	4.47e-03	-8.45
		-8.45	4.47e-03	2.26e-04	0.0	60.0	-3.71	6.76	0.04	-0.01	0.03	-4.34
69	142	7.82	0.04	1.72e-04	-0.19	0.0	5.57	-6.80	0.06	2.14e-04	7.98e-03	7.82
		3.68	7.98e-03	-2.27e-04	0.0	60.0	5.57	-6.99	0.06	2.14e-04	0.04	3.68
69	156	-0.05	0.02	-6.25e-05	-0.19	0.0	2.69	-0.12	0.02	-0.01	1.69e-03	-0.05
		-0.18	1.69e-03	3.94e-05	0.0	60.0	2.69	-0.31	0.02	-0.01	0.02	-0.18
69	159	-0.48	0.06	7.65e-05	-0.19	0.0	-0.83	0.27	0.08	3.08e-04	0.01	-0.58
		-0.58	0.01	-4.04e-05	0.0	60.0	-0.83	0.08	0.08	3.08e-04	0.06	-0.48
69	165	-0.08	0.05	-9.64e-05	-0.19	0.0	-4.19	-0.15	0.06	-0.01	8.99e-03	-0.08
		-0.22	8.99e-03	5.89e-05	0.0	60.0	-4.19	-0.34	0.06	-0.01	0.05	-0.22
69	166	-0.44	0.02	1.10e-04	-0.19	0.0	6.05	0.30	0.04	3.89e-04	3.46e-03	-0.56
		-0.56	3.46e-03	-5.99e-05	0.0	60.0	6.05	0.11	0.04	3.89e-04	0.02	-0.44
69	173	-4.36	0.03	-1.64e-04	-0.19	0.0	-3.71	7.00	0.04	-0.01	4.43e-03	-8.50
		-8.50	4.43e-03	2.25e-04	0.0	60.0	-3.71	6.81	0.04	-0.01	0.03	-4.36
69	174	7.87	0.04	1.78e-04	-0.19	0.0	5.57	-6.85	0.06	-2.56e-04	8.03e-03	7.87
		3.70	8.03e-03	-2.26e-04	0.0	60.0	5.57	-7.04	0.06	-2.56e-04	0.04	3.70
69	188	-0.02	0.02	-6.21e-05	-0.19	0.0	2.67	-0.15	0.02	-0.01	1.79e-03	-0.02
		-0.16	1.79e-03	3.70e-05	0.0	60.0	2.67	-0.34	0.02	-0.01	0.02	-0.16
69	195	-0.51	0.06	6.41e-05	-0.19	0.0	-0.88	0.33	0.08	-2.13e-04	0.01	-0.65
		-0.65	0.01	-4.24e-05	0.0	60.0	-0.88	0.14	0.08	-2.13e-04	0.06	-0.51
69	197	-0.02	0.05	-9.56e-05	-0.19	0.0	-4.11	-0.19	0.06	-0.01	8.93e-03	-0.02
		-0.19	8.93e-03	5.53e-05	0.0	60.0	-4.11	-0.38	0.06	-0.01	0.05	-0.19
69	198	-0.47	0.03	1.10e-04	-0.19	0.0	5.97	0.34	0.04	8.40e-05	3.53e-03	-0.61
		-0.61	3.53e-03	-5.62e-05	0.0	60.0	5.97	0.15	0.04	8.40e-05	0.03	-0.47
69	216	-5.13	0.01	-1.45e-04	-0.19	0.0	-2.02	8.35	0.02	-0.01	1.51e-03	-10.08
		-10.08	1.51e-03	2.84e-04	0.0	60.0	-2.02	8.16	0.02	-0.01	0.01	-5.13
69	219	9.45	0.06	1.59e-04	-0.19	0.0	3.88	-8.20	0.08	-2.19e-04	0.01	9.45
		4.48	0.01	-2.85e-04	0.0	60.0	3.88	-8.39	0.08	-2.19e-04	0.06	4.48
69	227	-0.52	0.06	7.51e-05	-0.19	0.0	-1.15	0.34	0.08	6.29e-04	0.01	-0.66
		-0.66	0.01	-5.08e-05	0.0	60.0	-1.15	0.15	0.08	6.29e-04	0.06	-0.52
69	229	0.07	0.05	-1.13e-04	-0.19	0.0	-4.93	-0.27	0.06	-0.01	9.38e-03	0.07
		-0.14	9.38e-03	6.26e-05	0.0	60.0	-4.93	-0.45	0.06	-0.01	0.05	-0.14
69	230	-0.51	0.02	1.27e-04	-0.19	0.0	6.79	0.42	0.03	9.44e-04	3.08e-03	-0.70
		-0.70	3.08e-03	-6.35e-05	0.0	60.0	6.79	0.23	0.03	9.44e-04	0.02	-0.51
69	232	-3.11	0.01	2.33e-05	-0.19	0.0	4.16	4.89	0.02	-3.35e-03	1.02e-03	-5.98
		-5.98	1.02e-03	9.70e-05	0.0	60.0	4.16	4.70	0.02	-3.35e-03	0.01	-3.11
70	3	0.0	0.06	-4.12e-05	-0.24	0.0	2.13	1.10	-0.23	-9.11e-03	0.06	-0.59
		-0.59	-0.08	6.45e-06	0.0	60.0	2.13	0.86	-0.23	-9.11e-03	-0.08	0.0
70	4	0.0	0.06	-4.38e-05	-0.24	0.0	2.23	1.10	-0.24	-9.61e-03	0.06	-0.59
		-0.59	-0.08	6.76e-06	0.0	60.0	2.23	0.86	-0.24	-9.61e-03	-0.08	0.0
70	18	0.0	0.06	-2.76e-05	-0.24	0.0	2.34	0.98	-0.20	-8.65e-03	0.06	-0.51
		-0.51	-0.06	4.01e-06	0.0	60.0	2.34	0.73	-0.20	-8.65e-03	-0.06	0.0
70	44	0.0	0.05	-2.89e-05	-0.24	0.0	-0.11	0.88	-0.29	-8.87e-03	0.05	-0.46
		-0.46	-0.12	1.37e-05	0.0	60.0	-0.11	0.64	-0.29	-8.87e-03	-0.12	0.0
70	45	0.0	0.03	1.34e-05	-0.19	0.0	-1.20	0.37	-0.18	-4.45e-03	0.03	-0.16
		-0.16	-0.08	9.49e-06	0.0	60.0	-1.20	0.18	-0.18	-4.45e-03	-0.08	0.0
70	49	0.0	0.04	1.03e-05	-0.24	0.0	0.33	0.62	-0.17	-6.06e-03	0.04	-0.30
		-0.30	-0.07	6.28e-06	0.0	60.0	0.33	0.37	-0.17	-6.06e-03	-0.07	0.0
70	67	0.0	0.04	-2.40e-05	-0.19	0.0	1.40	0.78	-0.17	-6.54e-03	0.04	-0.41

		-0.41	-0.06	4.80e-06	0.0	60.0	1.40	0.59	-0.17	-6.54e-03	-0.06	0.0
70	68	0.0	0.04	-2.57e-05	-0.19	0.0	1.47	0.78	-0.17	-6.87e-03	0.04	-0.41
		-0.41	-0.06	5.00e-06	0.0	60.0	1.47	0.59	-0.17	-6.87e-03	-0.06	0.0
70	75	0.0	0.04	-1.50e-05	-0.19	0.0	1.54	0.69	-0.14	-6.23e-03	0.04	-0.36
		-0.36	-0.05	3.17e-06	0.0	60.0	1.54	0.51	-0.14	-6.23e-03	-0.05	0.0
70	85	0.0	0.03	1.03e-05	-0.19	0.0	-0.69	0.42	-0.16	-4.60e-03	0.03	-0.19
		-0.19	-0.07	8.02e-06	0.0	60.0	-0.69	0.23	-0.16	-4.60e-03	-0.07	0.0
70	88	0.0	0.04	-1.58e-05	-0.19	0.0	-0.09	0.63	-0.21	-6.38e-03	0.04	-0.32
		-0.32	-0.09	9.61e-06	0.0	60.0	-0.09	0.44	-0.21	-6.38e-03	-0.09	0.0
70	89	0.0	0.03	1.03e-05	-0.19	0.0	0.20	0.45	-0.13	-4.51e-03	0.03	-0.22
		-0.22	-0.05	4.68e-06	0.0	60.0	0.20	0.27	-0.13	-4.51e-03	-0.05	0.0
70	97	0.0	0.03	1.03e-05	-0.19	0.0	0.20	0.45	-0.13	-4.51e-03	0.03	-0.22
		-0.22	-0.05	4.68e-06	0.0	60.0	0.20	0.27	-0.13	-4.51e-03	-0.05	0.0
70	98	0.0	0.04	-1.41e-05	-0.19	0.0	0.73	0.67	-0.17	-5.95e-03	0.04	-0.35
		-0.35	-0.06	6.06e-06	0.0	60.0	0.73	0.48	-0.17	-5.95e-03	-0.06	0.0
70	103	0.0	0.04	-1.04e-05	-0.19	0.0	0.80	0.65	-0.16	-5.74e-03	0.04	-0.33
		-0.33	-0.06	5.24e-06	0.0	60.0	0.80	0.46	-0.16	-5.74e-03	-0.06	0.0
70	104	0.0	0.03	1.03e-05	-0.19	0.0	0.02	0.45	-0.13	-4.53e-03	0.03	-0.21
		-0.21	-0.05	5.35e-06	0.0	60.0	0.02	0.26	-0.13	-4.53e-03	-0.05	0.0
70	105	0.0	0.04	-1.06e-05	-0.19	0.0	0.48	0.63	-0.17	-5.77e-03	0.04	-0.32
		-0.32	-0.07	6.53e-06	0.0	60.0	0.48	0.44	-0.17	-5.77e-03	-0.07	0.0
70	106	0.0	0.03	1.03e-05	-0.19	0.0	0.20	0.45	-0.13	-4.51e-03	0.03	-0.22
		-0.22	-0.05	4.68e-06	0.0	60.0	0.20	0.27	-0.13	-4.51e-03	-0.05	0.0
70	107	0.0	0.04	-1.06e-05	-0.19	0.0	0.66	0.64	-0.16	-5.75e-03	0.04	-0.33
		-0.33	-0.06	5.86e-06	0.0	60.0	0.66	0.45	-0.16	-5.75e-03	-0.06	0.0
70	109	0.0	0.05	2.76e-05	-0.19	0.0	-3.08	6.57	0.04	-0.01	0.03	-3.88
		-3.88	0.03	2.06e-04	0.0	60.0	-3.08	6.38	0.04	-0.01	0.05	0.0
70	110	3.23	0.04	-4.88e-05	-0.19	0.0	4.39	-5.29	-0.36	-4.46e-04	0.04	3.23
		0.0	-0.18	-1.94e-04	0.0	60.0	4.39	-5.47	-0.36	-4.46e-04	-0.18	0.0
70	132	0.0	0.15	3.89e-05	-0.19	0.0	4.29	4.02	0.22	-4.10e-03	0.02	-2.36
		-2.36	0.02	6.56e-05	0.0	60.0	4.29	3.83	0.22	-4.10e-03	0.15	0.0
70	133	0.0	0.05	-4.33e-05	-0.19	0.0	-4.63	0.49	-0.37	-0.01	0.05	-0.23
		-0.23	-0.18	6.14e-05	0.0	60.0	-4.63	0.30	-0.37	-0.01	-0.18	0.0
70	134	0.0	0.05	2.22e-05	-0.19	0.0	5.94	0.80	0.05	-2.88e-04	0.03	-0.42
		-0.42	0.03	-4.97e-05	0.0	60.0	5.94	0.61	0.05	-2.88e-04	0.05	0.0
70	135	1.70	0.05	-6.00e-05	-0.19	0.0	-2.98	-2.74	-0.54	-7.40e-03	0.05	1.70
		0.0	-0.27	-5.39e-05	0.0	60.0	-2.98	-2.93	-0.54	-7.40e-03	-0.27	0.0
70	141	0.0	0.07	3.25e-05	-0.19	0.0	-3.55	7.32	0.07	-0.01	0.03	-4.34
		-4.34	0.03	2.31e-04	0.0	60.0	-3.55	7.13	0.07	-0.01	0.07	0.0
70	142	3.68	0.04	-5.36e-05	-0.19	0.0	4.87	-6.04	-0.39	2.14e-04	0.04	3.68
		0.0	-0.19	-2.20e-04	0.0	60.0	4.87	-6.23	-0.39	2.14e-04	-0.19	0.0
70	164	0.0	0.18	4.47e-05	-0.19	0.0	4.74	4.46	0.27	-3.89e-03	0.02	-2.62
		-2.62	0.02	7.36e-05	0.0	60.0	4.74	4.27	0.27	-3.89e-03	0.18	0.0
70	165	0.0	0.05	-4.69e-05	-0.19	0.0	-5.28	0.46	-0.39	-0.01	0.05	-0.22
		-0.22	-0.19	6.81e-05	0.0	60.0	-5.28	0.27	-0.39	-0.01	-0.19	0.0
70	166	0.0	0.07	2.58e-05	-0.19	0.0	6.60	0.82	0.07	3.89e-04	0.02	-0.44
		-0.44	0.02	-5.64e-05	0.0	60.0	6.60	0.64	0.07	3.89e-04	0.07	0.0
70	167	1.96	0.05	-6.58e-05	-0.19	0.0	-3.43	-3.18	-0.59	-7.60e-03	0.05	1.96
		0.0	-0.30	-6.19e-05	0.0	60.0	-3.43	-3.37	-0.59	-7.60e-03	-0.30	0.0
70	173	0.0	0.07	3.74e-05	-0.19	0.0	-3.54	7.36	0.07	-0.01	0.03	-4.36
		-4.36	0.03	2.31e-04	0.0	60.0	-3.54	7.17	0.07	-0.01	0.07	0.0
70	174	3.70	0.04	-5.86e-05	-0.19	0.0	4.86	-6.08	-0.39	-2.56e-04	0.04	3.70
		0.0	-0.19	-2.19e-04	0.0	60.0	4.86	-6.27	-0.39	-2.56e-04	-0.19	0.0
70	184	0.0	0.18	-5.62e-04	-0.19	0.0	-0.86	7.26	0.27	-0.01	0.02	-4.30
		-4.30	0.02	2.38e-04	0.0	60.0	-0.86	7.07	0.27	-0.01	0.18	0.0
70	187	3.64	0.05	5.40e-04	-0.19	0.0	2.17	-5.98	-0.59	-9.22e-04	0.05	3.64
		0.0	-0.30	-2.26e-04	0.0	60.0	2.17	-6.17	-0.59	-9.22e-04	-0.30	0.0
70	197	0.0	0.05	-4.16e-05	-0.19	0.0	-5.17	0.41	-0.39	-0.01	0.05	-0.19
		-0.19	-0.19	6.44e-05	0.0	60.0	-5.17	0.22	-0.39	-0.01	-0.19	0.0
70	198	0.0	0.07	2.04e-05	-0.19	0.0	6.49	0.87	0.07	8.40e-05	0.03	-0.47
		-0.47	0.03	-5.27e-05	0.0	60.0	6.49	0.68	0.07	8.40e-05	0.07	0.0
70	213	0.0	0.11	-6.54e-04	-0.19	0.0	-4.24	8.66	0.13	-0.01	0.02	-5.14
		-5.14	0.02	2.95e-04	0.0	60.0	-4.24	8.47	0.13	-0.01	0.11	0.0
70	214	4.48	0.05	6.33e-04	-0.19	0.0	5.55	-7.38	-0.46	-1.79e-04	0.05	4.48
		0.0	-0.23	-2.83e-04	0.0	60.0	5.55	-7.56	-0.46	-1.79e-04	-0.23	0.0
70	216	0.0	0.23	-6.52e-04	-0.19	0.0	-1.25	8.65	0.36	-0.01	0.01	-5.13
		-5.13	0.01	2.86e-04	0.0	60.0	-1.25	8.46	0.36	-0.01	0.23	0.0
70	219	4.48	0.06	6.31e-04	-0.19	0.0	2.56	-7.36	-0.68	-2.19e-04	0.06	4.48
		0.0	-0.35	-2.75e-04	0.0	60.0	2.56	-7.55	-0.68	-2.19e-04	-0.35	0.0
70	229	0.0	0.05	-4.28e-05	-0.19	0.0	-6.12	0.33	-0.43	-0.01	0.05	-0.14
		-0.14	-0.21	7.22e-05	0.0	60.0	-6.12	0.15	-0.43	-0.01	-0.21	0.0
70	230	0.0	0.09	2.16e-05	-0.19	0.0	7.43	0.95	0.11	9.44e-04	0.02	-0.51
		-0.51	0.02	-6.05e-05	0.0	60.0	7.43	0.76	0.11	9.44e-04	0.09	0.0
71	3	0.0	0.01	-1.41e-05	-0.16	0.0	2.17	-1.51	0.28	2.91e-04	-0.10	0.0
		-0.64	-0.10	-6.12e-06	0.0	40.0	2.17	-1.67	0.28	2.91e-04	0.01	-0.64

71	18	0.0	0.01	-2.31e-05	-0.16	0.0	2.42	-1.16	0.24	2.64e-04	-0.08	0.0
		-0.50	-0.08	-5.96e-06	0.0	40.0	2.42	-1.33	0.24	2.64e-04	0.01	-0.50
71	28	0.0	8.16e-03	-2.07e-05	-0.16	0.0	0.67	-1.36	0.33	3.43e-04	-0.13	0.0
		-0.58	-0.13	-5.96e-06	0.0	40.0	0.67	-1.53	0.33	3.43e-04	8.16e-03	-0.58
71	45	0.0	7.57e-04	-3.32e-05	-0.13	0.0	-1.43	-0.22	0.18	1.95e-04	-0.07	0.0
		-0.11	-0.07	-2.62e-06	0.0	40.0	-1.43	-0.35	0.18	1.95e-04	7.57e-04	-0.11
71	57	0.0	8.39e-03	-4.44e-05	-0.16	0.0	0.47	-0.34	0.22	2.77e-04	-0.08	0.0
		-0.17	-0.08	-4.24e-06	0.0	40.0	0.47	-0.51	0.22	2.77e-04	8.39e-03	-0.17
71	67	0.0	9.04e-03	-1.40e-05	-0.13	0.0	1.42	-1.02	0.20	2.16e-04	-0.07	0.0
		-0.43	-0.07	-4.38e-06	0.0	40.0	1.42	-1.14	0.20	2.16e-04	9.04e-03	-0.43
71	75	0.0	9.66e-03	-2.01e-05	-0.13	0.0	1.58	-0.79	0.18	1.97e-04	-0.06	0.0
		-0.34	-0.06	-4.27e-06	0.0	40.0	1.58	-0.91	0.18	1.97e-04	9.66e-03	-0.34
71	80	0.0	6.06e-03	-1.84e-05	-0.13	0.0	0.41	-0.92	0.24	2.51e-04	-0.09	0.0
		-0.39	-0.09	-4.26e-06	0.0	40.0	0.41	-1.04	0.24	2.51e-04	6.06e-03	-0.39
71	85	0.0	2.51e-03	-3.13e-05	-0.13	0.0	-0.87	-0.30	0.17	1.95e-04	-0.07	0.0
		-0.14	-0.07	-2.77e-06	0.0	40.0	-0.87	-0.42	0.17	1.95e-04	2.51e-03	-0.14
71	93	0.0	6.22e-03	-3.42e-05	-0.13	0.0	0.28	-0.24	0.16	2.06e-04	-0.06	0.0
		-0.12	-0.06	-3.12e-06	0.0	40.0	0.28	-0.36	0.16	2.06e-04	6.22e-03	-0.12
71	98	0.0	7.05e-03	-1.94e-05	-0.13	0.0	0.69	-0.80	0.19	2.21e-04	-0.07	0.0
		-0.34	-0.07	-3.76e-06	0.0	40.0	0.69	-0.92	0.19	2.21e-04	7.05e-03	-0.34
71	99	0.0	5.75e-03	-3.05e-05	-0.13	0.0	0.15	-0.32	0.15	1.90e-04	-0.05	0.0
		-0.15	-0.05	-2.89e-06	0.0	40.0	0.15	-0.44	0.15	1.90e-04	5.75e-03	-0.15
71	103	0.0	7.31e-03	-2.05e-05	-0.13	0.0	0.77	-0.74	0.18	2.09e-04	-0.07	0.0
		-0.32	-0.07	-3.70e-06	0.0	40.0	0.77	-0.86	0.18	2.09e-04	7.31e-03	-0.32
71	104	0.0	5.01e-03	-2.99e-05	-0.13	0.0	-0.08	-0.33	0.15	1.88e-04	-0.06	0.0
		-0.16	-0.06	-2.82e-06	0.0	40.0	-0.08	-0.46	0.15	1.88e-04	5.01e-03	-0.16
71	105	0.0	6.22e-03	-2.12e-05	-0.13	0.0	0.41	-0.72	0.19	2.18e-04	-0.07	0.0
		-0.31	-0.07	-3.62e-06	0.0	40.0	0.41	-0.85	0.19	2.18e-04	6.22e-03	-0.31
71	106	0.0	5.64e-03	-2.95e-05	-0.13	0.0	0.12	-0.34	0.15	1.86e-04	-0.05	0.0
		-0.16	-0.05	-2.84e-06	0.0	40.0	0.12	-0.46	0.15	1.86e-04	5.64e-03	-0.16
71	107	0.0	6.84e-03	-2.08e-05	-0.13	0.0	0.61	-0.73	0.19	2.16e-04	-0.07	0.0
		-0.32	-0.07	-3.63e-06	0.0	40.0	0.61	-0.86	0.19	2.16e-04	6.84e-03	-0.32
71	113	1.36	-0.03	-7.84e-04	-0.13	0.0	-1.47	3.46	0.66	-9.35e-03	-0.30	0.0
		0.0	-0.30	1.21e-04	0.0	40.0	-1.47	3.33	0.66	-9.35e-03	-0.13	1.36
71	114	0.0	0.16	7.43e-04	-0.13	0.0	2.68	-4.92	-0.29	9.79e-03	0.16	0.0
		-1.99	0.04	-1.28e-04	0.0	40.0	2.68	-5.05	-0.29	9.79e-03	0.04	-1.99
71	121	1.27	-0.03	-1.75e-04	-0.13	0.0	-1.64	3.24	0.67	7.77e-03	-0.30	0.0
		0.0	-0.30	1.24e-04	0.0	40.0	-1.64	3.12	0.67	7.77e-03	-0.03	1.27
71	122	0.0	0.16	1.33e-04	-0.13	0.0	2.85	-4.70	-0.30	-7.34e-03	0.16	0.0
		-1.91	0.05	-1.32e-04	0.0	40.0	2.85	-4.83	-0.30	-7.34e-03	0.05	-1.91
71	137	0.69	-0.02	-9.68e-05	-0.13	0.0	-4.35	1.79	0.67	-1.12e-03	-0.29	0.0
		0.0	-0.29	1.83e-05	0.0	40.0	-4.35	1.66	0.67	-1.12e-03	-0.02	0.69
71	138	0.0	0.15	5.52e-05	-0.13	0.0	5.56	-3.25	-0.30	1.55e-03	0.15	0.0
		-1.33	0.03	-2.55e-05	0.0	40.0	5.56	-3.38	-0.30	1.55e-03	0.03	-1.33
71	145	1.57	-0.04	-8.80e-04	-0.13	0.0	-1.73	3.99	0.72	-0.01	-0.32	0.0
		0.0	-0.32	1.37e-04	0.0	40.0	-1.73	3.87	0.72	-0.01	-0.04	1.57
71	146	0.0	0.19	8.38e-04	-0.13	0.0	2.94	-5.45	-0.35	0.01	0.19	0.0
		-2.21	0.05	-1.44e-04	0.0	40.0	2.94	-5.58	-0.35	0.01	0.05	-2.21
71	153	1.48	-0.04	-1.96e-04	-0.13	0.0	-1.91	3.76	0.73	8.72e-03	-0.33	0.0
		0.0	-0.33	1.41e-04	0.0	40.0	-1.91	3.64	0.73	8.72e-03	-0.04	1.48
71	154	0.0	0.19	1.54e-04	-0.13	0.0	3.12	-5.23	-0.36	-8.28e-03	0.19	0.0
		-2.12	0.05	-1.48e-04	0.0	40.0	3.12	-5.35	-0.36	-8.28e-03	0.05	-2.12
71	169	0.82	-0.02	-1.07e-04	-0.13	0.0	-4.96	2.12	0.73	-1.29e-03	-0.31	0.0
		0.0	-0.31	2.10e-05	0.0	40.0	-4.96	1.99	0.73	-1.29e-03	-0.02	0.82
71	170	0.0	0.18	6.50e-05	-0.13	0.0	6.17	-3.58	-0.36	1.72e-03	0.18	0.0
		-1.46	0.04	-2.82e-05	0.0	40.0	6.17	-3.70	-0.36	1.72e-03	0.04	-1.46
71	177	1.58	-0.04	-8.57e-04	-0.13	0.0	-1.64	4.01	0.72	-0.01	-0.32	0.0
		0.0	-0.32	1.35e-04	0.0	40.0	-1.64	3.89	0.72	-0.01	-0.04	1.58
71	178	0.0	0.19	8.16e-04	-0.13	0.0	2.85	-5.48	-0.35	0.01	0.19	0.0
		-2.22	0.05	-1.42e-04	0.0	40.0	2.85	-5.60	-0.35	0.01	0.05	-2.22
71	185	1.54	-0.04	-2.09e-04	-0.13	0.0	-1.84	3.92	0.75	8.56e-03	-0.34	0.0
		0.0	-0.34	1.44e-04	0.0	40.0	-1.84	3.80	0.75	8.56e-03	-0.04	1.54
71	186	0.0	0.20	1.68e-04	-0.13	0.0	3.05	-5.38	-0.37	-8.13e-03	0.20	0.0
		-2.18	0.05	-1.51e-04	0.0	40.0	3.05	-5.51	-0.37	-8.13e-03	0.05	-2.18
71	201	0.84	-0.02	-1.08e-04	-0.13	0.0	-4.84	2.17	0.72	-1.24e-03	-0.31	0.0
		0.0	-0.31	2.01e-05	0.0	40.0	-4.84	2.04	0.72	-1.24e-03	-0.02	0.84
71	202	0.0	0.18	6.67e-05	-0.13	0.0	6.05	-3.63	-0.35	1.67e-03	0.18	0.0
		-1.48	0.04	-2.74e-05	0.0	40.0	6.05	-3.76	-0.35	1.67e-03	0.04	-1.48
71	217	1.93	-0.05	-2.52e-04	-0.13	0.0	-2.24	4.89	0.86	0.01	-0.39	0.0
		0.0	-0.39	1.74e-04	0.0	40.0	-2.24	4.76	0.86	0.01	-0.05	1.93
71	218	0.0	0.25	2.10e-04	-0.13	0.0	3.45	-6.35	-0.49	-9.69e-03	0.25	0.0
		-2.56	0.06	-1.81e-04	0.0	40.0	3.45	-6.47	-0.49	-9.69e-03	0.06	-2.56
71	233	1.07	-0.03	-1.24e-04	-0.13	0.0	-5.72	2.73	0.82	-1.45e-03	-0.35	0.0
		0.0	-0.35	2.44e-05	0.0	40.0	-5.72	2.60	0.82	-1.45e-03	-0.03	1.07
71	234	0.0	0.22	8.29e-05	-0.13	0.0	6.93	-4.19	-0.45	1.88e-03	0.22	0.0

		-1.70	0.04	-3.16e-05	0.0	40.0	6.93	-4.32	-0.45	1.88e-03	0.04	-1.70
72	3	-0.50	0.05	-4.30e-05	-0.16	0.0	2.87	0.42	0.09	2.91e-04	0.01	-0.64
		-0.64	0.01	-3.97e-06	0.0	40.0	2.87	0.26	0.09	2.91e-04	0.05	-0.50
72	4	-0.45	0.05	-4.57e-05	-0.16	0.0	3.03	0.46	0.10	3.06e-04	0.01	-0.61
		-0.61	0.01	-4.11e-06	0.0	40.0	3.03	0.30	0.10	3.06e-04	0.05	-0.45
72	18	-0.38	0.05	-4.60e-05	-0.16	0.0	3.15	0.37	0.08	2.64e-04	0.01	-0.50
		-0.50	0.01	-3.88e-06	0.0	40.0	3.15	0.21	0.08	2.64e-04	0.05	-0.38
72	36	-0.03	0.02	-4.28e-05	-0.13	0.0	0.08	0.16	0.05	2.19e-04	3.50e-03	-0.07
		-0.07	3.50e-03	-1.99e-06	0.0	40.0	0.08	0.04	0.05	2.19e-04	0.02	-0.03
72	45	-0.10	0.02	-3.79e-05	-0.13	0.0	-0.82	0.08	0.05	1.95e-04	7.57e-04	-0.11
		-0.11	7.57e-04	-1.75e-06	0.0	40.0	-0.82	-0.05	0.05	1.95e-04	0.02	-0.11
72	67	-0.34	0.04	-3.35e-05	-0.13	0.0	1.95	0.28	0.07	2.16e-04	9.04e-03	-0.43
		-0.43	9.04e-03	-2.82e-06	0.0	40.0	1.95	0.15	0.07	2.16e-04	0.04	-0.34
72	68	-0.31	0.04	-3.53e-05	-0.13	0.0	2.06	0.31	0.07	2.25e-04	9.33e-03	-0.41
		-0.41	9.33e-03	-2.91e-06	0.0	40.0	2.06	0.18	0.07	2.25e-04	0.04	-0.31
72	75	-0.27	0.03	-3.55e-05	-0.13	0.0	2.14	0.25	0.06	1.97e-04	9.66e-03	-0.34
		-0.34	9.66e-03	-2.76e-06	0.0	40.0	2.14	0.12	0.06	1.97e-04	0.03	-0.27
72	81	-0.07	0.03	-4.06e-05	-0.13	0.0	0.33	0.15	0.05	2.11e-04	4.34e-03	-0.11
		-0.11	4.34e-03	-1.97e-06	0.0	40.0	0.33	0.03	0.05	2.11e-04	0.03	-0.07
72	85	-0.13	0.02	-3.73e-05	-0.13	0.0	-0.27	0.10	0.05	1.95e-04	2.51e-03	-0.14
		-0.14	2.51e-03	-1.81e-06	0.0	40.0	-0.27	-0.03	0.05	1.95e-04	0.02	-0.13
72	98	-0.28	0.03	-3.48e-05	-0.13	0.0	1.24	0.23	0.06	2.21e-04	7.05e-03	-0.34
		-0.34	7.05e-03	-2.38e-06	0.0	40.0	1.24	0.10	0.06	2.21e-04	0.03	-0.28
72	99	-0.13	0.02	-3.69e-05	-0.13	0.0	0.73	0.11	0.04	1.90e-04	5.75e-03	-0.15
		-0.15	5.75e-03	-1.79e-06	0.0	40.0	0.73	-0.02	0.04	1.90e-04	0.02	-0.14
72	103	-0.26	0.03	-3.47e-05	-0.13	0.0	1.32	0.21	0.06	2.09e-04	7.31e-03	-0.32
		-0.32	7.31e-03	-2.35e-06	0.0	40.0	1.32	0.08	0.06	2.09e-04	0.03	-0.26
72	104	-0.14	0.02	-3.64e-05	-0.13	0.0	0.49	0.09	0.04	1.88e-04	5.01e-03	-0.16
		-0.16	5.01e-03	-1.77e-06	0.0	40.0	0.49	-0.03	0.04	1.88e-04	0.02	-0.14
72	106	-0.15	0.02	-3.62e-05	-0.13	0.0	0.68	0.09	0.04	1.86e-04	5.64e-03	-0.16
		-0.16	5.64e-03	-1.76e-06	0.0	40.0	0.68	-0.03	0.04	1.86e-04	0.02	-0.15
72	107	-0.26	0.03	-3.50e-05	-0.13	0.0	1.16	0.21	0.06	2.16e-04	6.84e-03	-0.32
		-0.32	6.84e-03	-2.29e-06	0.0	40.0	1.16	0.08	0.06	2.16e-04	0.03	-0.26
72	112	3.71	0.02	-1.93e-04	-0.13	0.0	5.18	5.97	0.10	-6.98e-03	-0.02	1.01
		1.01	-0.02	1.32e-04	0.0	40.0	5.18	5.84	0.10	-6.98e-03	0.02	3.71
72	115	-1.64	0.04	1.23e-04	-0.13	0.0	-2.85	-5.55	0.02	7.41e-03	0.03	-1.64
		-4.23	0.03	-1.37e-04	0.0	40.0	-2.85	-5.67	0.02	7.41e-03	0.04	-4.23
72	121	2.75	0.02	-1.98e-04	-0.13	0.0	2.35	4.63	0.13	7.77e-03	-0.03	1.27
		1.27	-0.03	1.25e-04	0.0	40.0	2.35	4.50	0.13	7.77e-03	0.02	2.75
72	122	-1.91	0.05	1.28e-04	-0.13	0.0	-0.03	-4.21	-0.02	-7.34e-03	0.05	-1.91
		-3.27	0.04	-1.30e-04	0.0	40.0	-0.03	-4.33	-0.02	-7.34e-03	0.04	-3.27
72	132	2.09	0.02	-6.19e-05	-0.13	0.0	6.05	3.54	0.02	1.66e-03	0.01	-0.45
		-0.45	0.01	5.33e-05	0.0	40.0	6.05	3.41	0.02	1.66e-03	0.02	2.09
72	135	-0.18	0.04	-8.02e-06	-0.13	0.0	-3.73	-3.12	0.10	-1.23e-03	3.44e-04	-0.18
		-2.61	3.44e-04	-5.78e-05	0.0	40.0	-3.73	-3.25	0.10	-1.23e-03	0.04	-2.61
72	144	4.22	0.01	-2.13e-04	-0.13	0.0	5.68	6.70	0.10	-7.88e-03	-0.02	1.18
		1.18	-0.02	1.49e-04	0.0	40.0	5.68	6.57	0.10	-7.88e-03	0.01	4.22
72	147	-1.81	0.05	1.43e-04	-0.13	0.0	-3.36	-6.28	0.01	8.31e-03	0.04	-1.81
		-4.74	0.04	-1.54e-04	0.0	40.0	-3.36	-6.40	0.01	8.31e-03	0.05	-4.74
72	153	3.15	0.02	-2.19e-04	-0.13	0.0	2.52	5.21	0.14	8.72e-03	-0.04	1.48
		1.48	-0.04	1.42e-04	0.0	40.0	2.52	5.09	0.14	8.72e-03	0.02	3.15
72	154	-2.12	0.05	1.49e-04	-0.13	0.0	-0.19	-4.79	-0.03	-8.28e-03	0.05	-2.12
		-3.67	0.04	-1.46e-04	0.0	40.0	-0.19	-4.92	-0.03	-8.28e-03	0.04	-3.67
72	164	2.39	0.02	-6.58e-05	-0.13	0.0	6.66	3.97	0.02	1.84e-03	0.01	-0.47
		-0.47	0.01	6.05e-05	0.0	40.0	6.66	3.84	0.02	1.84e-03	0.02	2.39
72	167	-0.17	0.04	-4.20e-06	-0.13	0.0	-4.34	-3.55	0.10	-1.41e-03	-4.67e-04	-0.17
		-2.91	-4.67e-04	-6.51e-05	0.0	40.0	-4.34	-3.67	0.10	-1.41e-03	0.04	-2.91
72	176	4.24	0.01	-2.18e-04	-0.13	0.0	5.66	6.74	0.10	-7.51e-03	-0.02	1.18
		1.18	-0.02	1.49e-04	0.0	40.0	5.66	6.61	0.10	-7.51e-03	0.01	4.24
72	179	-1.82	0.05	1.48e-04	-0.13	0.0	-3.34	-6.32	0.01	7.94e-03	0.04	-1.82
		-4.76	0.04	-1.53e-04	0.0	40.0	-3.34	-6.44	0.01	7.94e-03	0.05	-4.76
72	185	3.29	0.02	-2.29e-04	-0.13	0.0	2.61	5.41	0.14	8.56e-03	-0.04	1.54
		1.54	-0.04	1.45e-04	0.0	40.0	2.61	5.29	0.14	8.56e-03	0.02	3.29
72	186	-2.18	0.05	1.60e-04	-0.13	0.0	-0.29	-5.00	-0.03	-8.13e-03	0.05	-2.18
		-3.81	0.04	-1.49e-04	0.0	40.0	-0.29	-5.12	-0.03	-8.13e-03	0.04	-3.81
72	196	2.42	0.02	-6.96e-05	-0.13	0.0	6.61	4.02	0.02	1.86e-03	0.01	-0.47
		-0.47	0.01	6.22e-05	0.0	40.0	6.61	3.89	0.02	1.86e-03	0.02	2.42
72	199	-0.17	0.04	2.23e-06	-0.13	0.0	-4.28	-3.60	0.10	-1.43e-03	-3.22e-04	-0.17
		-2.93	-3.22e-04	-6.68e-05	0.0	40.0	-4.28	-3.73	0.10	-1.43e-03	0.04	-2.93
72	216	5.09	0.01	-2.57e-04	-0.13	0.0	6.12	7.98	0.12	0.01	-0.03	1.46
		1.46	-0.03	1.90e-04	0.0	40.0	6.12	7.85	0.12	0.01	0.01	5.09
72	217	4.05	0.02	-2.71e-04	-0.13	0.0	2.97	6.52	0.16	0.01	-0.05	1.93
		1.93	-0.05	1.75e-04	0.0	40.0	2.97	6.40	0.16	0.01	0.02	4.05
72	218	-2.56	0.06	2.01e-04	-0.13	0.0	-0.64	-6.10	-0.04	-9.69e-03	0.06	-2.56
		-4.57	0.04	-1.79e-04	0.0	40.0	-0.64	-6.23	-0.04	-9.69e-03	0.04	-4.57

72	219	-2.10	0.05	1.87e-04	-0.13	0.0	-3.79	-7.56	-3.10e-03	-0.01	0.05	-2.10
		-5.61	0.05	-1.95e-04	0.0	40.0	-3.79	-7.68	-3.10e-03	-0.01	0.05	-5.61
72	228	2.91	0.02	-7.86e-05	-0.13	0.0	7.52	4.73	0.01	2.19e-03	0.02	-0.50
		-0.50	0.01	7.46e-05	0.0	40.0	7.52	4.60	0.01	2.19e-03	0.01	2.91
72	231	-0.14	0.05	9.09e-06	-0.13	0.0	-5.20	-4.31	0.11	-1.76e-03	-1.48e-03	-0.14
		-3.42	-1.48e-03	-7.92e-05	0.0	40.0	-5.20	-4.43	0.11	-1.76e-03	0.05	-3.42
73	3	-0.25	0.05	-5.26e-05	-0.16	0.0	2.59	0.71	-0.11	2.91e-04	0.05	-0.50
		-0.50	5.03e-03	1.34e-06	0.0	40.0	2.59	0.55	-0.11	2.91e-04	5.03e-03	-0.25
73	4	-0.20	0.05	-5.44e-05	-0.16	0.0	2.72	0.72	-0.12	3.06e-04	0.05	-0.45
		-0.45	5.24e-03	1.41e-06	0.0	40.0	2.72	0.56	-0.12	3.06e-04	5.24e-03	-0.20
73	18	-0.18	0.05	-5.32e-05	-0.16	0.0	2.84	0.59	-0.11	2.64e-04	0.05	-0.38
		-0.38	4.48e-03	1.13e-06	0.0	40.0	2.84	0.42	-0.11	2.64e-04	4.48e-03	-0.18
73	19	-0.13	0.02	-3.76e-05	-0.13	0.0	1.67	0.15	-0.05	1.32e-04	0.02	-0.16
		-0.16	1.99e-03	0.0	0.0	40.0	1.67	0.03	-0.05	1.32e-04	1.99e-03	-0.13
73	36	0.01	0.02	-4.30e-05	-0.13	0.0	0.18	0.16	-0.05	2.19e-04	0.02	-0.03
		-0.03	3.66e-03	0.0	0.0	40.0	0.18	0.03	-0.05	2.19e-04	3.66e-03	0.01
73	45	-0.08	0.02	-3.99e-05	-0.13	0.0	-0.59	0.14	-0.04	1.95e-04	0.02	-0.11
		-0.11	3.73e-03	0.0	0.0	40.0	-0.59	0.01	-0.04	1.95e-04	3.73e-03	-0.08
73	67	-0.18	0.04	-4.01e-05	-0.13	0.0	1.78	0.48	-0.08	2.16e-04	0.04	-0.34
		-0.34	3.63e-03	0.0	0.0	40.0	1.78	0.36	-0.08	2.16e-04	3.63e-03	-0.18
73	68	-0.14	0.04	-4.13e-05	-0.13	0.0	1.87	0.49	-0.08	2.25e-04	0.04	-0.31
		-0.31	3.77e-03	1.02e-06	0.0	40.0	1.87	0.36	-0.08	2.25e-04	3.77e-03	-0.14
73	72	-0.12	0.02	-3.82e-05	-0.13	0.0	1.39	0.18	-0.05	1.53e-04	0.02	-0.17
		-0.17	2.29e-03	0.0	0.0	40.0	1.39	0.05	-0.05	1.53e-04	2.29e-03	-0.12
73	75	-0.13	0.03	-4.05e-05	-0.13	0.0	1.94	0.40	-0.08	1.97e-04	0.03	-0.27
		-0.27	3.27e-03	0.0	0.0	40.0	1.94	0.27	-0.08	1.97e-04	3.27e-03	-0.13
73	81	-0.03	0.03	-4.18e-05	-0.13	0.0	0.39	0.18	-0.05	2.11e-04	0.03	-0.07
		-0.07	3.40e-03	0.0	0.0	40.0	0.39	0.06	-0.05	2.11e-04	3.40e-03	-0.03
73	85	-0.09	0.02	-3.97e-05	-0.13	0.0	-0.12	0.17	-0.05	1.95e-04	0.02	-0.13
		-0.13	3.45e-03	0.0	0.0	40.0	-0.12	0.04	-0.05	1.95e-04	3.45e-03	-0.09
73	98	-0.15	0.03	-4.01e-05	-0.13	0.0	1.17	0.39	-0.07	2.21e-04	0.03	-0.28
		-0.28	3.48e-03	0.0	0.0	40.0	1.17	0.27	-0.07	2.21e-04	3.48e-03	-0.15
73	99	-0.09	0.02	-3.95e-05	-0.13	0.0	0.74	0.18	-0.05	1.90e-04	0.02	-0.14
		-0.14	2.70e-03	0.0	0.0	40.0	0.74	0.05	-0.05	1.90e-04	2.70e-03	-0.09
73	102	-0.11	0.02	-3.88e-05	-0.13	0.0	0.84	0.18	-0.05	1.80e-04	0.02	-0.15
		-0.15	2.57e-03	0.0	0.0	40.0	0.84	0.05	-0.05	1.80e-04	2.57e-03	-0.11
73	103	-0.14	0.03	-3.98e-05	-0.13	0.0	1.24	0.36	-0.07	2.09e-04	0.03	-0.26
		-0.26	3.29e-03	0.0	0.0	40.0	1.24	0.23	-0.07	2.09e-04	3.29e-03	-0.14
73	104	-0.10	0.02	-3.91e-05	-0.13	0.0	0.54	0.17	-0.05	1.88e-04	0.02	-0.14
		-0.14	2.80e-03	0.0	0.0	40.0	0.54	0.05	-0.05	1.88e-04	2.80e-03	-0.10
73	106	-0.10	0.02	-3.90e-05	-0.13	0.0	0.71	0.18	-0.05	1.86e-04	0.02	-0.15
		-0.15	2.64e-03	0.0	0.0	40.0	0.71	0.05	-0.05	1.86e-04	2.64e-03	-0.10
73	107	-0.14	0.03	-3.99e-05	-0.13	0.0	1.10	0.36	-0.07	2.16e-04	0.03	-0.26
		-0.26	3.36e-03	0.0	0.0	40.0	1.10	0.23	-0.07	2.16e-04	3.36e-03	-0.14
73	112	5.83	0.02	-1.57e-04	-0.13	0.0	4.13	5.36	-0.04	-6.98e-03	0.02	3.71
		3.71	1.89e-03	1.34e-04	0.0	40.0	4.13	5.24	-0.04	-6.98e-03	1.89e-03	5.83
73	115	-4.23	0.04	7.69e-05	-0.13	0.0	-1.93	-4.64	-0.10	7.41e-03	0.04	-4.23
		-6.11	4.83e-03	-1.32e-04	0.0	40.0	-1.93	-4.77	-0.10	7.41e-03	4.83e-03	-6.11
73	127	-0.02	0.04	1.83e-05	-0.13	0.0	-2.59	0.53	-0.10	6.82e-03	0.04	-0.19
		-0.19	5.57e-03	-2.90e-05	0.0	40.0	-2.59	0.40	-0.10	6.82e-03	5.57e-03	-0.02
73	132	3.34	0.02	-6.21e-05	-0.13	0.0	5.14	3.23	-0.04	1.66e-03	0.02	2.09
		2.09	1.12e-03	5.47e-05	0.0	40.0	5.14	3.10	-0.04	1.66e-03	1.12e-03	3.34
73	135	-2.61	0.04	-1.78e-05	-0.13	0.0	-2.94	-2.51	-0.09	-1.23e-03	0.04	-2.61
		-3.62	5.60e-03	-5.29e-05	0.0	40.0	-2.94	-2.63	-0.09	-1.23e-03	5.60e-03	-3.62
73	144	6.59	0.01	-1.72e-04	-0.13	0.0	4.51	6.00	-0.03	-7.88e-03	0.01	4.22
		4.22	1.71e-03	1.51e-04	0.0	40.0	4.51	5.87	-0.03	-7.88e-03	1.71e-03	6.59
73	147	-4.74	0.05	9.18e-05	-0.13	0.0	-2.31	-5.28	-0.10	8.31e-03	0.05	-4.74
		-6.87	5.02e-03	-1.49e-04	0.0	40.0	-2.31	-5.41	-0.10	8.31e-03	5.02e-03	-6.87
73	159	5.24e-03	0.05	2.55e-05	-0.13	0.0	-3.04	0.55	-0.10	7.65e-03	0.05	-0.17
		-0.17	5.84e-03	-3.26e-05	0.0	40.0	-3.04	0.43	-0.10	7.65e-03	5.84e-03	5.24e-03
73	164	3.79	0.02	-6.52e-05	-0.13	0.0	5.65	3.60	-0.04	1.84e-03	0.02	2.39
		2.39	8.44e-04	6.18e-05	0.0	40.0	5.65	3.47	-0.04	1.84e-03	8.44e-04	3.79
73	167	-2.91	0.04	-1.47e-05	-0.13	0.0	-3.44	-2.88	-0.10	-1.41e-03	0.04	-2.91
		-4.07	5.88e-03	-5.99e-05	0.0	40.0	-3.44	-3.01	-0.10	-1.41e-03	5.88e-03	-4.07
73	176	6.63	0.01	-1.75e-04	-0.13	0.0	4.48	6.04	-0.03	-7.51e-03	0.01	4.24
		4.24	1.73e-03	1.51e-04	0.0	40.0	4.48	5.91	-0.03	-7.51e-03	1.73e-03	6.63
73	179	-4.76	0.05	9.47e-05	-0.13	0.0	-2.27	-5.32	-0.10	7.94e-03	0.05	-4.76
		-6.91	5.00e-03	-1.49e-04	0.0	40.0	-2.27	-5.44	-0.10	7.94e-03	5.00e-03	-6.91
73	195	0.08	0.05	2.37e-05	-0.13	0.0	-2.82	0.60	-0.10	1.82e-03	0.05	-0.12
		-0.12	5.79e-03	-3.32e-05	0.0	40.0	-2.82	0.47	-0.10	1.82e-03	5.79e-03	0.08
73	196	3.84	0.02	-6.77e-05	-0.13	0.0	5.58	3.65	-0.04	1.86e-03	0.02	2.42
		2.42	8.91e-04	6.34e-05	0.0	40.0	5.58	3.53	-0.04	1.86e-03	8.91e-04	3.84
73	199	-2.93	0.04	-1.22e-05	-0.13	0.0	-3.38	-2.93	-0.10	-1.43e-03	0.04	-2.93
		-4.12	5.84e-03	-6.16e-05	0.0	40.0	-3.38	-3.06	-0.10	-1.43e-03	5.84e-03	-4.12
73	200	3.80	0.02	-6.59e-05	-0.13	0.0	5.45	3.63	-0.04	7.47e-03	0.02	2.39

		2.39	8.84e-04	6.60e-05	0.0	40.0	5.45	3.50	-0.04	7.47e-03	8.84e-04	3.80
73	215	-4.61	0.05	1.30e-04	-0.13	0.0	-2.25	-5.16	-0.11	-9.64e-03	0.05	-4.61
		-6.70	5.32e-03	-1.78e-04	0.0	40.0	-2.25	-5.29	-0.11	-9.64e-03	5.32e-03	-6.70
73	216	7.91	0.01	-1.97e-04	-0.13	0.0	4.61	7.14	-0.02	0.01	0.01	5.09
		5.09	1.38e-03	1.92e-04	0.0	40.0	4.61	7.01	-0.02	0.01	1.38e-03	7.91
73	219	-5.61	0.05	1.17e-04	-0.13	0.0	-2.41	-6.42	-0.11	-0.01	0.05	-5.61
		-8.19	5.34e-03	-1.90e-04	0.0	40.0	-2.41	-6.54	-0.11	-0.01	5.34e-03	-8.19
73	228	4.57	0.01	-7.46e-05	-0.13	0.0	6.33	4.27	-0.03	2.19e-03	0.01	2.91
		2.91	4.78e-04	7.55e-05	0.0	40.0	6.33	4.14	-0.03	2.19e-03	4.78e-04	4.57
73	231	-3.42	0.05	-5.31e-06	-0.13	0.0	-4.12	-3.55	-0.10	-1.76e-03	0.05	-3.42
		-4.85	6.25e-03	-7.36e-05	0.0	40.0	-4.12	-3.67	-0.10	-1.76e-03	6.25e-03	-4.85
73	232	4.59	0.01	-7.38e-05	-0.13	0.0	6.20	4.29	-0.03	8.74e-03	0.01	2.92
		2.92	4.59e-04	8.00e-05	0.0	40.0	6.20	4.17	-0.03	8.74e-03	4.59e-04	4.59
74	3	0.27	5.03e-03	-8.72e-05	-0.24	0.0	2.86	0.99	-9.29e-03	2.91e-04	5.03e-03	-0.25
		-0.25	-5.39e-04	1.77e-06	0.0	60.0	2.86	0.75	-9.29e-03	2.91e-04	-5.39e-04	0.27
74	18	0.30	4.48e-03	-8.76e-05	-0.24	0.0	3.10	0.93	-8.47e-03	2.64e-04	4.48e-03	-0.18
		-0.18	-5.97e-04	1.42e-06	0.0	60.0	3.10	0.68	-8.47e-03	2.64e-04	-5.97e-04	0.30
74	28	0.32	6.28e-03	-8.93e-05	-0.24	0.0	1.70	0.94	-0.01	3.44e-04	6.28e-03	-0.17
		-0.17	-1.86e-04	2.18e-06	0.0	60.0	1.70	0.70	-0.01	3.44e-04	-1.86e-04	0.32
74	33	0.37	4.68e-03	-8.96e-05	-0.24	0.0	0.88	0.78	-7.89e-03	2.85e-04	4.68e-03	-0.02
		-0.02	-5.21e-05	1.54e-06	0.0	60.0	0.88	0.53	-7.89e-03	2.85e-04	-5.21e-05	0.37
74	45	0.24	3.73e-03	-6.81e-05	-0.19	0.0	-0.28	0.63	-5.85e-03	1.95e-04	3.73e-03	-0.08
		-0.08	2.20e-04	0.0	0.0	60.0	-0.28	0.44	-5.85e-03	1.95e-04	2.20e-04	0.24
74	67	0.21	3.63e-03	-6.70e-05	-0.19	0.0	1.99	0.74	-6.68e-03	2.16e-04	3.63e-03	-0.18
		-0.18	-3.79e-04	1.28e-06	0.0	60.0	1.99	0.56	-6.68e-03	2.16e-04	-3.79e-04	0.21
74	75	0.23	3.27e-03	-6.72e-05	-0.19	0.0	2.16	0.70	-6.14e-03	1.97e-04	3.27e-03	-0.13
		-0.13	-4.17e-04	1.05e-06	0.0	60.0	2.16	0.51	-6.14e-03	1.97e-04	-4.17e-04	0.23
74	80	0.25	4.46e-03	-6.84e-05	-0.19	0.0	1.22	0.71	-7.68e-03	2.51e-04	4.46e-03	-0.12
		-0.12	-1.43e-04	1.56e-06	0.0	60.0	1.22	0.52	-7.68e-03	2.51e-04	-1.43e-04	0.25
74	81	0.28	3.40e-03	-6.86e-05	-0.19	0.0	0.67	0.60	-5.75e-03	2.11e-04	3.40e-03	-0.03
		-0.03	-5.43e-05	1.13e-06	0.0	60.0	0.67	0.41	-5.75e-03	2.11e-04	-5.43e-05	0.28
74	85	0.24	3.45e-03	-6.78e-05	-0.19	0.0	0.17	0.64	-5.62e-03	1.95e-04	3.45e-03	-0.09
		-0.09	7.58e-05	0.0	0.0	60.0	0.17	0.45	-5.62e-03	1.95e-04	7.58e-05	0.24
74	98	0.22	3.48e-03	-6.72e-05	-0.19	0.0	1.41	0.71	-6.24e-03	2.21e-04	3.48e-03	-0.15
		-0.15	-2.63e-04	1.36e-06	0.0	60.0	1.41	0.52	-6.24e-03	2.21e-04	-2.63e-04	0.22
74	99	0.24	2.70e-03	-6.72e-05	-0.19	0.0	1.00	0.64	-4.82e-03	1.90e-04	2.70e-03	-0.09
		-0.09	-1.98e-04	1.04e-06	0.0	60.0	1.00	0.45	-4.82e-03	1.90e-04	-1.98e-04	0.24
74	103	0.22	3.29e-03	-6.70e-05	-0.19	0.0	1.48	0.70	-5.96e-03	2.09e-04	3.29e-03	-0.14
		-0.14	-2.82e-04	1.24e-06	0.0	60.0	1.48	0.51	-5.96e-03	2.09e-04	-2.82e-04	0.22
74	104	0.23	2.80e-03	-6.71e-05	-0.19	0.0	0.81	0.65	-4.90e-03	1.88e-04	2.80e-03	-0.10
		-0.10	-1.39e-04	1.00e-06	0.0	60.0	0.81	0.46	-4.90e-03	1.88e-04	-1.39e-04	0.23
74	105	0.23	3.52e-03	-6.73e-05	-0.19	0.0	1.19	0.70	-6.21e-03	2.18e-04	3.52e-03	-0.14
		-0.14	-1.99e-04	1.31e-06	0.0	60.0	1.19	0.51	-6.21e-03	2.18e-04	-1.99e-04	0.23
74	106	0.23	2.64e-03	-6.69e-05	-0.19	0.0	0.97	0.65	-4.73e-03	1.86e-04	2.64e-03	-0.10
		-0.10	-1.93e-04	1.01e-06	0.0	60.0	0.97	0.46	-4.73e-03	1.86e-04	-1.93e-04	0.23
74	107	0.22	3.36e-03	-6.71e-05	-0.19	0.0	1.35	0.70	-6.03e-03	2.16e-04	3.36e-03	-0.14
		-0.14	-2.53e-04	1.31e-06	0.0	60.0	1.35	0.51	-6.03e-03	2.16e-04	-2.53e-04	0.22
74	112	5.83	1.89e-03	-1.28e-05	-0.19	0.0	4.74	-3.88	-3.79e-03	-6.98e-03	1.89e-03	5.83
		3.44	-3.91e-04	2.01e-04	0.0	60.0	4.74	-4.07	-3.79e-03	-6.98e-03	-3.91e-04	3.44
74	115	-3.00	4.83e-03	-1.45e-04	-0.19	0.0	-2.04	5.28	-8.26e-03	7.41e-03	4.83e-03	-6.11
		-6.11	-1.15e-04	-1.98e-04	0.0	60.0	-2.04	5.10	-8.26e-03	7.41e-03	-1.15e-04	-3.00
74	132	3.34	1.12e-03	-3.40e-05	-0.19	0.0	5.39	-1.98	-2.53e-03	1.66e-03	1.12e-03	3.34
		2.10	-4.01e-04	8.10e-05	0.0	60.0	5.39	-2.17	-2.53e-03	1.66e-03	-4.01e-04	2.10
74	135	-1.65	5.60e-03	-1.00e-04	-0.19	0.0	-2.69	3.38	-9.53e-03	-1.23e-03	5.60e-03	-3.62
		-3.62	-1.05e-04	-7.83e-05	0.0	60.0	-2.69	3.19	-9.53e-03	-1.23e-03	-1.05e-04	-1.65
74	136	3.25	1.13e-03	-3.27e-05	-0.19	0.0	5.27	-1.91	-2.53e-03	6.80e-03	1.13e-03	3.25
		2.05	-4.01e-04	8.25e-05	0.0	60.0	5.27	-2.10	-2.53e-03	6.80e-03	-4.01e-04	2.05
74	144	6.59	1.71e-03	2.09e-05	-0.19	0.0	5.16	-4.47	-3.51e-03	-7.88e-03	1.71e-03	6.59
		3.85	-4.09e-04	2.26e-04	0.0	60.0	5.16	-4.65	-3.51e-03	-7.88e-03	-4.09e-04	3.85
74	147	-3.41	5.02e-03	-1.55e-04	-0.19	0.0	-2.47	5.87	-8.54e-03	8.31e-03	5.02e-03	-6.87
		-6.87	-9.78e-05	-2.23e-04	0.0	60.0	-2.47	5.68	-8.54e-03	8.31e-03	-9.78e-05	-3.41
74	164	3.79	8.44e-04	-3.08e-05	-0.19	0.0	5.89	-2.32	-2.09e-03	1.84e-03	8.44e-04	3.79
		2.34	-4.20e-04	9.14e-05	0.0	60.0	5.89	-2.51	-2.09e-03	1.84e-03	-4.20e-04	2.34
74	167	-1.89	5.88e-03	-1.05e-04	-0.19	0.0	-3.20	3.72	-9.96e-03	-1.41e-03	5.88e-03	-4.07
		-4.07	-8.67e-05	-8.88e-05	0.0	60.0	-3.20	3.54	-9.96e-03	-1.41e-03	-8.67e-05	-1.89
74	168	3.70	8.47e-04	-2.93e-05	-0.19	0.0	5.76	-2.25	-2.10e-03	7.63e-03	8.47e-04	3.70
		2.29	-4.20e-04	9.33e-05	0.0	60.0	5.76	-2.44	-2.10e-03	7.63e-03	-4.20e-04	2.29
74	176	6.63	1.73e-03	2.11e-05	-0.19	0.0	5.14	-4.50	-3.55e-03	-7.51e-03	1.73e-03	6.63
		3.88	-4.08e-04	2.26e-04	0.0	60.0	5.14	-4.69	-3.55e-03	-7.51e-03	-4.08e-04	3.88
74	179	-3.43	5.00e-03	-1.55e-04	-0.19	0.0	-2.45	5.90	-8.51e-03	7.94e-03	5.00e-03	-6.91
		-6.91	-9.87e-05	-2.23e-04	0.0	60.0	-2.45	5.71	-8.51e-03	7.94e-03	-9.87e-05	-3.43
74	196	3.84	8.91e-04	-2.98e-05	-0.19	0.0	5.84	-2.36	-2.17e-03	1.86e-03	8.91e-04	3.84
		2.37	-4.19e-04	9.39e-05	0.0	60.0	5.84	-2.55	-2.17e-03	1.86e-03	-4.19e-04	2.37
74	199	-1.92	5.84e-03	-1.06e-04	-0.19	0.0	-3.15	3.76	-9.88e-03	-1.43e-03	5.84e-03	-4.12
		-4.12	-8.75e-05	-9.12e-05	0.0	60.0	-3.15	3.57	-9.88e-03	-1.43e-03	-8.75e-05	-1.92

74	200	3.80	8.84e-04	-2.78e-05	-0.19	0.0	5.73	-2.33	-2.16e-03	7.47e-03	8.84e-04	3.80
		2.35	-4.20e-04	9.78e-05	0.0	60.0	5.73	-2.52	-2.16e-03	7.47e-03	-4.20e-04	2.35
74	203	-1.90	5.84e-03	-1.09e-04	-0.19	0.0	-3.04	3.73	-9.89e-03	-7.04e-03	5.84e-03	-4.08
		-4.08	-8.63e-05	-9.52e-05	0.0	60.0	-3.04	3.55	-9.89e-03	-7.04e-03	-8.63e-05	-1.90
74	216	7.91	1.38e-03	4.91e-05	-0.19	0.0	5.45	-5.48	-3.03e-03	0.01	1.38e-03	7.91
		4.57	-4.43e-04	2.87e-04	0.0	60.0	5.45	-5.67	-3.03e-03	0.01	-4.43e-04	4.57
74	219	-4.12	5.34e-03	-1.83e-04	-0.19	0.0	-2.75	6.89	-9.02e-03	-0.01	5.34e-03	-8.19
		-8.19	-6.35e-05	-2.85e-04	0.0	60.0	-2.75	6.70	-9.02e-03	-0.01	-6.35e-05	-4.12
74	228	4.57	4.78e-04	-2.58e-05	-0.19	0.0	6.60	-2.92	-1.53e-03	2.19e-03	4.78e-04	4.57
		2.76	-4.47e-04	1.12e-04	0.0	60.0	6.60	-3.11	-1.53e-03	2.19e-03	-4.47e-04	2.76
74	231	-2.31	6.25e-03	-1.14e-04	-0.19	0.0	-3.91	4.32	-0.01	-1.76e-03	6.25e-03	-4.85
		-4.85	-5.92e-05	-1.09e-04	0.0	60.0	-3.91	4.14	-0.01	-1.76e-03	-5.92e-05	-2.31
74	232	4.59	4.59e-04	-2.34e-05	-0.19	0.0	6.49	-2.94	-1.50e-03	8.74e-03	4.59e-04	4.59
		2.77	-4.50e-04	1.19e-04	0.0	60.0	6.49	-3.13	-1.50e-03	8.74e-03	-4.50e-04	2.77
74	235	-2.32	6.27e-03	-1.18e-04	-0.19	0.0	-3.80	4.34	-0.01	-8.31e-03	6.27e-03	-4.87
		-4.87	-5.66e-05	-1.16e-04	0.0	60.0	-3.80	4.15	-0.01	-8.31e-03	-5.66e-05	-2.32
75	18	1.16	1.88e-03	-6.30e-06	-0.12	0.0	8.54	0.70	7.42e-03	2.64e-04	-3.41e-04	0.97
		0.97	-3.41e-04	0.0	0.0	30.0	8.54	0.58	7.42e-03	2.64e-04	1.88e-03	1.16
75	21	0.88	1.89e-03	-4.92e-06	-0.09	0.0	6.93	0.51	7.84e-03	1.83e-04	-4.61e-04	0.74
		0.74	-4.61e-04	0.0	0.0	30.0	6.93	0.42	7.84e-03	1.83e-04	1.89e-03	0.88
75	35	1.21	1.49e-03	-6.21e-06	-0.12	0.0	5.27	0.76	-0.01	3.36e-04	1.49e-03	1.00
		1.00	-2.26e-03	1.20e-06	0.0	30.0	5.27	0.63	-0.01	3.36e-04	-2.26e-03	1.21
75	44	1.19	2.13e-03	-6.11e-06	-0.12	0.0	4.05	0.71	-0.02	3.27e-04	2.13e-03	1.00
		1.00	-3.74e-03	1.24e-06	0.0	30.0	4.05	0.59	-0.02	3.27e-04	-3.74e-03	1.19
75	45	0.87	1.92e-03	-3.67e-06	-0.09	0.0	1.35	0.36	-0.02	1.95e-04	1.92e-03	0.78
		0.78	-3.71e-03	0.0	0.0	30.0	1.35	0.26	-0.02	1.95e-04	-3.71e-03	0.87
75	48	0.93	2.03e-03	-4.80e-06	-0.09	0.0	2.68	0.56	-0.02	2.61e-04	2.03e-03	0.77
		0.77	-3.75e-03	1.04e-06	0.0	30.0	2.68	0.47	-0.02	2.61e-04	-3.75e-03	0.93
75	74	0.87	1.27e-03	-4.61e-06	-0.09	0.0	5.99	0.48	4.94e-03	1.87e-04	-2.14e-04	0.74
		0.74	-2.14e-04	0.0	0.0	30.0	5.99	0.38	4.94e-03	1.87e-04	1.27e-03	0.87
75	75	0.89	1.26e-03	-4.65e-06	-0.09	0.0	6.15	0.51	4.87e-03	1.97e-04	-1.98e-04	0.75
		0.75	-1.98e-04	0.0	0.0	30.0	6.15	0.41	4.87e-03	1.97e-04	1.26e-03	0.89
75	83	0.92	1.02e-03	-4.60e-06	-0.09	0.0	3.97	0.54	-8.40e-03	2.46e-04	1.02e-03	0.77
		0.77	-1.50e-03	0.0	0.0	30.0	3.97	0.45	-8.40e-03	2.46e-04	-1.50e-03	0.92
75	85	0.87	1.37e-03	-3.78e-06	-0.09	0.0	2.27	0.37	-0.01	1.95e-04	1.37e-03	0.77
		0.77	-2.46e-03	0.0	0.0	30.0	2.27	0.28	-0.01	1.95e-04	-2.46e-03	0.87
75	88	0.91	1.45e-03	-4.53e-06	-0.09	0.0	3.16	0.51	-0.01	2.39e-04	1.45e-03	0.77
		0.77	-2.49e-03	0.0	0.0	30.0	3.16	0.42	-0.01	2.39e-04	-2.49e-03	0.91
75	101	0.89	3.21e-04	-4.46e-06	-0.09	0.0	4.60	0.48	-1.04e-03	2.20e-04	3.21e-04	0.75
		0.75	7.63e-06	0.0	0.0	30.0	4.60	0.39	-1.04e-03	2.20e-04	7.63e-06	0.89
75	103	0.88	2.62e-04	-4.45e-06	-0.09	0.0	4.81	0.47	1.84e-04	2.09e-04	2.07e-04	0.75
		0.75	2.07e-04	0.0	0.0	30.0	4.81	0.37	1.84e-04	2.09e-04	2.62e-04	0.88
75	104	0.86	4.84e-04	-3.82e-06	-0.09	0.0	3.58	0.38	-3.18e-03	1.88e-04	4.84e-04	0.76
		0.76	-4.71e-04	0.0	0.0	30.0	3.58	0.28	-3.18e-03	1.88e-04	-4.71e-04	0.86
75	105	0.88	5.37e-04	-4.43e-06	-0.09	0.0	4.21	0.47	-3.42e-03	2.18e-04	5.37e-04	0.76
		0.76	-4.88e-04	0.0	0.0	30.0	4.21	0.37	-3.42e-03	2.18e-04	-4.88e-04	0.88
75	106	0.86	2.63e-04	-3.83e-06	-0.09	0.0	3.91	0.38	-7.84e-04	1.86e-04	2.63e-04	0.76
		0.76	2.72e-05	0.0	0.0	30.0	3.91	0.28	-7.84e-04	1.86e-04	2.72e-05	0.86
75	107	0.88	3.15e-04	-4.44e-06	-0.09	0.0	4.54	0.47	-1.02e-03	2.16e-04	3.15e-04	0.75
		0.75	1.02e-05	0.0	0.0	30.0	4.54	0.38	-1.02e-03	2.16e-04	1.02e-05	0.88
75	109	2.06	1.40e-03	-3.24e-05	-0.09	0.0	4.74	10.55	-8.05e-03	-6.94e-03	1.40e-03	-1.10
		-1.10	-1.06e-03	1.43e-04	0.0	30.0	4.74	10.46	-8.05e-03	-6.94e-03	-1.06e-03	2.06
75	112	2.06	1.41e-03	-3.30e-05	-0.09	0.0	8.19	10.58	-6.66e-03	-6.98e-03	1.41e-03	-1.10
		-1.10	-7.53e-04	1.43e-04	0.0	30.0	8.19	10.49	-6.66e-03	-6.98e-03	-7.53e-04	2.06
75	115	2.61	7.73e-04	2.41e-05	-0.09	0.0	0.89	-9.64	4.63e-03	7.41e-03	-7.78e-04	2.61
		-0.31	-7.78e-04	-1.42e-04	0.0	30.0	0.89	-9.74	4.63e-03	7.41e-03	7.73e-04	-0.31
75	124	0.85	3.32e-04	-2.44e-05	-0.09	0.0	11.01	0.22	-2.93e-04	-6.39e-03	2.94e-04	0.80
		0.80	2.94e-04	3.34e-05	0.0	30.0	11.01	0.13	-2.93e-04	-6.39e-03	3.32e-04	0.85
75	127	0.91	3.36e-04	1.55e-05	-0.09	0.0	-1.93	0.72	-1.74e-03	6.82e-03	3.36e-04	0.70
		0.70	-3.11e-04	-3.21e-05	0.0	30.0	-1.93	0.62	-1.74e-03	6.82e-03	-3.11e-04	0.91
75	141	2.21	1.53e-03	-3.61e-05	-0.09	0.0	4.77	11.84	-8.95e-03	-7.84e-03	1.53e-03	-1.33
		-1.33	-1.19e-03	1.61e-04	0.0	30.0	4.77	11.74	-8.95e-03	-7.84e-03	-1.19e-03	2.21
75	144	2.21	1.55e-03	-3.67e-05	-0.09	0.0	8.64	11.87	-7.38e-03	-7.88e-03	1.55e-03	-1.34
		-1.34	-8.50e-04	1.61e-04	0.0	30.0	8.64	11.77	-7.38e-03	-7.88e-03	-8.50e-04	2.21
75	147	2.85	8.70e-04	2.78e-05	-0.09	0.0	0.43	-10.93	5.35e-03	8.31e-03	-9.16e-04	2.85
		-0.46	-9.16e-04	-1.60e-04	0.0	30.0	0.43	-11.02	5.35e-03	8.31e-03	8.70e-04	-0.46
75	156	0.85	3.73e-04	-2.69e-05	-0.09	0.0	11.81	0.18	-1.95e-04	-7.22e-03	2.90e-04	0.81
		0.81	2.90e-04	3.74e-05	0.0	30.0	11.81	0.08	-1.95e-04	-7.22e-03	3.73e-04	0.85
75	159	0.91	3.39e-04	1.80e-05	-0.09	0.0	-2.74	0.76	-1.84e-03	7.65e-03	3.39e-04	0.70
		0.70	-3.52e-04	-3.61e-05	0.0	30.0	-2.74	0.67	-1.84e-03	7.65e-03	-3.52e-04	0.91
75	173	2.22	1.53e-03	-3.71e-05	-0.09	0.0	4.80	11.91	-8.93e-03	-7.47e-03	1.53e-03	-1.35
		-1.35	-1.19e-03	1.61e-04	0.0	30.0	4.80	11.82	-8.93e-03	-7.47e-03	-1.19e-03	2.22
75	176	2.22	1.55e-03	-3.77e-05	-0.09	0.0	8.60	11.94	-7.35e-03	-7.51e-03	1.55e-03	-1.36
		-1.36	-8.49e-04	1.61e-04	0.0	30.0	8.60	11.85	-7.35e-03	-7.51e-03	-8.49e-04	2.22
75	179	2.86	8.70e-04	2.89e-05	-0.09	0.0	0.48	-11.00	5.32e-03	7.94e-03	-9.16e-04	2.86

		-0.46	-9.16e-04	-1.59e-04	0.0	30.0	0.48	-11.10	5.32e-03	7.94e-03	8.70e-04	-0.46
75	188	0.84	3.73e-04	-2.70e-05	-0.09	0.0	11.66	0.12	-1.59e-04	-6.99e-03	2.87e-04	0.82
		0.82	2.87e-04	3.57e-05	0.0	30.0	11.66	0.02	-1.59e-04	-6.99e-03	3.73e-04	0.84
75	191	0.92	3.42e-04	1.81e-05	-0.09	0.0	-2.58	0.82	-1.87e-03	7.43e-03	3.42e-04	0.69
		0.69	-3.52e-04	-3.44e-05	0.0	30.0	-2.58	0.73	-1.87e-03	7.43e-03	-3.52e-04	0.92
75	205	2.46	1.75e-03	-4.33e-05	-0.09	0.0	4.88	13.97	-0.01	-8.60e-03	1.75e-03	-1.73
		-1.73	-1.40e-03	1.89e-04	0.0	30.0	4.88	13.88	-0.01	-8.60e-03	-1.40e-03	2.46
75	208	2.46	1.76e-03	-4.40e-05	-0.09	0.0	9.29	14.01	-8.46e-03	-8.65e-03	1.76e-03	-1.74
		-1.74	-1.00e-03	1.88e-04	0.0	30.0	9.29	13.92	-8.46e-03	-8.65e-03	-1.00e-03	2.46
75	216	2.47	1.63e-03	-3.93e-05	-0.09	0.0	9.13	14.14	-7.58e-03	0.01	1.63e-03	-1.76
		-1.76	-8.69e-04	1.65e-04	0.0	30.0	9.13	14.04	-7.58e-03	0.01	-8.69e-04	2.47
75	219	3.27	8.90e-04	3.04e-05	-0.09	0.0	-0.06	-13.20	5.55e-03	-0.01	-1.00e-03	3.27
		-0.71	-1.00e-03	-1.64e-04	0.0	30.0	-0.06	-13.29	5.55e-03	-0.01	8.90e-04	-0.71
75	220	0.84	4.37e-04	-3.08e-05	-0.09	0.0	12.81	8.74e-03	2.69e-05	-8.17e-03	2.78e-04	0.84
		0.83	2.78e-04	4.09e-05	0.0	30.0	12.81	-0.09	2.69e-05	-8.17e-03	4.37e-04	0.83
75	223	0.93	3.52e-04	2.19e-05	-0.09	0.0	-3.73	0.93	-2.06e-03	8.60e-03	3.52e-04	0.67
		0.67	-4.17e-04	-3.96e-05	0.0	30.0	-3.73	0.84	-2.06e-03	8.60e-03	-4.17e-04	0.93
76	15	1.17	1.92e-03	4.63e-06	-0.12	0.0	3.09	0.30	-3.96e-03	1.97e-04	1.92e-03	1.10
		1.10	7.36e-04	0.0	0.0	30.0	3.09	0.18	-3.96e-03	1.97e-04	7.36e-04	1.17
76	18	1.29	1.88e-03	4.16e-06	-0.12	0.0	3.76	0.48	-3.86e-03	2.64e-04	1.88e-03	1.16
		1.16	7.28e-04	0.0	0.0	30.0	3.76	0.36	-3.86e-03	2.64e-04	7.28e-04	1.29
76	19	0.88	1.92e-03	3.58e-06	-0.09	0.0	2.51	0.20	-3.97e-03	1.32e-04	1.92e-03	0.84
		0.84	7.32e-04	0.0	0.0	30.0	2.51	0.11	-3.97e-03	1.32e-04	7.32e-04	0.88
76	28	1.36	-8.44e-04	4.11e-06	-0.12	0.0	2.38	0.57	4.72e-03	3.43e-04	-2.26e-03	1.21
		1.21	-2.26e-03	1.04e-06	0.0	30.0	2.38	0.45	4.72e-03	3.43e-04	-8.44e-04	1.36
76	45	0.92	-1.41e-03	3.83e-06	-0.09	0.0	0.44	0.23	7.67e-03	1.95e-04	-3.71e-03	0.87
		0.87	-3.71e-03	0.0	0.0	30.0	0.44	0.14	7.67e-03	1.95e-04	-1.41e-03	0.92
76	48	1.04	-1.41e-03	3.36e-06	-0.09	0.0	1.11	0.41	7.77e-03	2.61e-04	-3.75e-03	0.93
		0.93	-3.75e-03	0.0	0.0	30.0	1.11	0.32	7.77e-03	2.61e-04	-1.41e-03	1.04
76	72	0.90	1.29e-03	3.60e-06	-0.09	0.0	2.25	0.22	-2.65e-03	1.53e-04	1.29e-03	0.85
		0.85	4.93e-04	0.0	0.0	30.0	2.25	0.13	-2.65e-03	1.53e-04	4.93e-04	0.90
76	75	0.98	1.26e-03	3.29e-06	-0.09	0.0	2.69	0.34	-2.58e-03	1.97e-04	1.26e-03	0.89
		0.89	4.88e-04	0.0	0.0	30.0	2.69	0.25	-2.58e-03	1.97e-04	4.88e-04	0.98
76	80	1.02	-5.60e-04	3.25e-06	-0.09	0.0	1.77	0.40	3.14e-03	2.51e-04	-1.50e-03	0.91
		0.91	-1.50e-03	0.0	0.0	30.0	1.77	0.31	3.14e-03	2.51e-04	-5.60e-04	1.02
76	85	0.93	-9.33e-04	3.77e-06	-0.09	0.0	0.87	0.24	5.10e-03	1.95e-04	-2.46e-03	0.87
		0.87	-2.46e-03	0.0	0.0	30.0	0.87	0.15	5.10e-03	1.95e-04	-9.33e-04	0.93
76	88	1.00	-9.38e-04	3.45e-06	-0.09	0.0	1.31	0.36	5.17e-03	2.39e-04	-2.49e-03	0.91
		0.91	-2.49e-03	0.0	0.0	30.0	1.31	0.27	5.17e-03	2.39e-04	-9.38e-04	1.00
76	101	0.97	1.17e-05	3.39e-06	-0.09	0.0	1.97	0.33	1.37e-05	2.20e-04	7.63e-06	0.89
		0.89	7.63e-06	0.0	0.0	30.0	1.97	0.24	1.37e-05	2.20e-04	1.17e-05	0.97
76	102	0.91	2.79e-04	3.68e-06	-0.09	0.0	1.74	0.24	-5.61e-04	1.80e-04	2.79e-04	0.85
		0.85	1.11e-04	0.0	0.0	30.0	1.74	0.14	-5.61e-04	1.80e-04	1.11e-04	0.91
76	103	0.96	2.62e-04	3.33e-06	-0.09	0.0	2.06	0.32	-5.16e-04	2.09e-04	2.62e-04	0.88
		0.88	1.08e-04	0.0	0.0	30.0	2.06	0.22	-5.16e-04	2.09e-04	1.08e-04	0.96
76	104	0.92	-1.74e-04	3.71e-06	-0.09	0.0	1.47	0.24	9.90e-04	1.88e-04	-4.71e-04	0.86
		0.86	-4.71e-04	0.0	0.0	30.0	1.47	0.14	9.90e-04	1.88e-04	-1.74e-04	0.92
76	105	0.96	-1.77e-04	3.36e-06	-0.09	0.0	1.79	0.32	1.04e-03	2.18e-04	-4.88e-04	0.88
		0.88	-4.88e-04	0.0	0.0	30.0	1.79	0.23	1.04e-03	2.18e-04	-1.77e-04	0.96
76	106	0.91	2.72e-05	3.70e-06	-0.09	0.0	1.62	0.24	-3.88e-05	1.86e-04	2.72e-05	0.86
		0.86	1.56e-05	0.0	0.0	30.0	1.62	0.14	-3.88e-05	1.86e-04	1.56e-05	0.91
76	107	0.96	1.23e-05	3.35e-06	-0.09	0.0	1.94	0.32	6.97e-06	2.16e-04	1.02e-05	0.88
		0.88	1.02e-05	0.0	0.0	30.0	1.94	0.23	6.97e-06	2.16e-04	1.23e-05	0.96
76	109	4.96	-2.34e-04	-1.41e-05	-0.09	0.0	1.90	9.73	2.75e-03	-6.94e-03	-1.06e-03	2.06
		2.06	-1.06e-03	6.21e-05	0.0	30.0	1.90	9.64	2.75e-03	-6.94e-03	-2.34e-04	4.96
76	110	-0.30	1.08e-03	2.08e-05	-0.09	0.0	1.97	-9.09	-2.74e-03	7.37e-03	1.08e-03	-0.30
		-3.04	2.59e-04	-6.08e-05	0.0	30.0	1.97	-9.19	-2.74e-03	7.37e-03	2.59e-04	-3.04
76	112	4.97	-1.36e-04	-1.45e-05	-0.09	0.0	3.68	9.76	2.05e-03	-6.98e-03	-7.53e-04	2.06
		2.06	-7.53e-04	6.18e-05	0.0	30.0	3.68	9.67	2.05e-03	-6.98e-03	-1.36e-04	4.97
76	115	-0.31	7.73e-04	2.12e-05	-0.09	0.0	0.19	-9.12	-2.04e-03	7.41e-03	7.73e-04	-0.31
		-3.05	1.60e-04	-6.05e-05	0.0	30.0	0.19	-9.21	-2.04e-03	7.41e-03	1.60e-04	-3.05
76	124	0.86	3.32e-04	-1.24e-05	-0.09	0.0	5.26	0.09	-6.34e-04	-6.39e-03	3.32e-04	0.85
		0.85	1.46e-04	8.81e-06	0.0	30.0	5.26	-5.62e-03	-6.34e-04	-6.39e-03	1.46e-04	0.86
76	127	1.06	-1.21e-04	1.91e-05	-0.09	0.0	-1.39	0.55	6.48e-04	6.82e-03	-3.11e-04	0.91
		0.91	-3.11e-04	-7.50e-06	0.0	30.0	-1.39	0.46	6.48e-04	6.82e-03	-1.21e-04	1.06
76	141	5.47	-2.65e-04	-1.64e-05	-0.09	0.0	1.90	10.93	3.10e-03	-7.84e-03	-1.19e-03	2.21
		2.21	-1.19e-03	6.99e-05	0.0	30.0	1.90	10.84	3.10e-03	-7.84e-03	-2.65e-04	5.47
76	142	-0.45	1.21e-03	2.30e-05	-0.09	0.0	1.97	-10.29	-3.08e-03	8.27e-03	1.21e-03	-0.45
		-3.55	2.90e-04	-6.86e-05	0.0	30.0	1.97	-10.38	-3.08e-03	8.27e-03	2.90e-04	-3.55
76	144	5.48	-1.54e-04	-1.68e-05	-0.09	0.0	3.90	10.96	2.31e-03	-7.88e-03	-8.50e-04	2.21
		2.21	-8.50e-04	6.96e-05	0.0	30.0	3.90	10.87	2.31e-03	-7.88e-03	-1.54e-04	5.48
76	147	-0.46	8.70e-04	2.35e-05	-0.09	0.0	-0.03	-10.32	-2.30e-03	8.31e-03	8.70e-04	-0.46
		-3.56	1.79e-04	-6.83e-05	0.0	30.0	-0.03	-10.42	-2.30e-03	8.31e-03	1.79e-04	-3.56
76	156	0.85	3.73e-04	-1.44e-05	-0.09	0.0	5.68	0.05	-7.17e-04	-7.22e-03	3.73e-04	0.85
		0.85	1.62e-04	9.70e-06	0.0	30.0	5.68	-0.05	-7.17e-04	-7.22e-03	1.62e-04	0.85

76	159	1.08	-1.38e-04	2.11e-05	-0.09	0.0	-1.80	0.59	7.31e-04	7.65e-03	-3.52e-04	0.91
		0.91	-3.52e-04	-8.39e-06	0.0	30.0	-1.80	0.50	7.31e-04	7.65e-03	-1.38e-04	1.08
76	173	5.50	-2.63e-04	-1.69e-05	-0.09	0.0	1.92	11.00	3.09e-03	-7.47e-03	-1.19e-03	2.22
		2.22	-1.19e-03	6.98e-05	0.0	30.0	1.92	10.91	3.09e-03	-7.47e-03	-2.63e-04	5.50
76	174	-0.46	1.21e-03	2.36e-05	-0.09	0.0	1.95	-10.36	-3.08e-03	7.90e-03	1.21e-03	-0.46
		-3.58	2.87e-04	-6.85e-05	0.0	30.0	1.95	-10.45	-3.08e-03	7.90e-03	2.87e-04	-3.58
76	176	5.51	-1.54e-04	-1.74e-05	-0.09	0.0	3.88	11.03	2.31e-03	-7.51e-03	-8.49e-04	2.22
		2.22	-8.49e-04	6.95e-05	0.0	30.0	3.88	10.94	2.31e-03	-7.51e-03	-1.54e-04	5.51
76	179	-0.46	8.70e-04	2.41e-05	-0.09	0.0	-0.01	-10.39	-2.29e-03	7.94e-03	8.70e-04	-0.46
		-3.59	1.79e-04	-6.82e-05	0.0	30.0	-0.01	-10.49	-2.29e-03	7.94e-03	1.79e-04	-3.59
76	188	0.84	3.73e-04	-1.45e-05	-0.09	0.0	5.60	-7.29e-03	-7.22e-04	-6.99e-03	3.73e-04	0.84
		0.82	1.61e-04	8.13e-06	0.0	30.0	5.60	-0.10	-7.22e-04	-6.99e-03	1.61e-04	0.82
76	191	1.10	-1.36e-04	2.12e-05	-0.09	0.0	-1.73	0.65	7.36e-04	7.43e-03	-3.52e-04	0.92
		0.92	-3.52e-04	-6.83e-06	0.0	30.0	-1.73	0.55	7.36e-04	7.43e-03	-1.36e-04	1.10
76	205	6.32	-3.10e-04	-2.06e-05	-0.09	0.0	1.94	12.93	3.63e-03	-8.60e-03	-1.40e-03	2.46
		2.46	-1.40e-03	8.17e-05	0.0	30.0	1.94	12.83	3.63e-03	-8.60e-03	-3.10e-04	6.32
76	206	-0.70	1.42e-03	2.73e-05	-0.09	0.0	1.93	-12.29	-3.62e-03	9.04e-03	1.42e-03	-0.70
		-4.39	3.35e-04	-8.04e-05	0.0	30.0	1.93	-12.38	-3.62e-03	9.04e-03	3.35e-04	-4.39
76	216	6.38	-1.51e-04	-1.55e-05	-0.09	0.0	4.22	13.08	2.38e-03	0.01	-8.69e-04	2.47
		2.47	-8.69e-04	1.22e-04	0.0	30.0	4.22	12.99	2.38e-03	0.01	-1.51e-04	6.38
76	219	-0.71	8.90e-04	2.20e-05	-0.09	0.0	-0.34	-12.44	-2.37e-03	-0.01	8.90e-04	-0.71
		-4.46	1.76e-04	-1.21e-04	0.0	30.0	-0.34	-12.53	-2.37e-03	-0.01	1.76e-04	-4.46
76	224	0.83	4.77e-04	-1.57e-05	-0.09	0.0	6.19	-0.07	-9.55e-04	-1.61e-03	4.77e-04	0.83
		0.79	1.96e-04	2.07e-05	0.0	30.0	6.19	-0.17	-9.55e-04	-1.61e-03	1.96e-04	0.79
76	227	1.13	-1.71e-04	2.24e-05	-0.09	0.0	-2.32	0.71	9.69e-04	2.05e-03	-4.56e-04	0.93
		0.93	-4.56e-04	-1.94e-05	0.0	30.0	-2.32	0.62	9.69e-04	2.05e-03	-1.71e-04	1.13
77	15	1.17	7.36e-04	4.76e-05	-0.24	0.0	3.03	-0.44	-1.14e-03	1.97e-04	7.36e-04	1.17
		0.84	5.16e-05	0.0	0.0	60.0	3.03	-0.68	-1.14e-03	1.97e-04	5.16e-05	0.84
77	18	1.29	7.28e-04	5.41e-05	-0.24	0.0	3.70	-0.56	-1.12e-03	2.64e-04	7.28e-04	1.29
		0.88	5.42e-05	1.53e-06	0.0	60.0	3.70	-0.81	-1.12e-03	2.64e-04	5.42e-05	0.88
77	19	0.88	7.32e-04	3.54e-05	-0.19	0.0	2.46	-0.31	-1.14e-03	1.32e-04	7.32e-04	0.88
		0.64	4.94e-05	0.0	0.0	60.0	2.46	-0.50	-1.14e-03	1.32e-04	4.94e-05	0.64
77	28	1.36	-4.07e-05	5.79e-05	-0.24	0.0	2.32	-0.63	1.34e-03	3.44e-04	-8.44e-04	1.36
		0.91	-8.44e-04	2.03e-06	0.0	60.0	2.32	-0.87	1.34e-03	3.44e-04	-4.07e-05	0.91
77	45	0.92	-8.14e-05	3.77e-05	-0.19	0.0	0.40	-0.34	2.21e-03	1.95e-04	-1.41e-03	0.92
		0.66	-1.41e-03	0.0	0.0	60.0	0.40	-0.53	2.21e-03	1.95e-04	-8.14e-05	0.66
77	48	1.04	-7.87e-05	4.42e-05	-0.19	0.0	1.06	-0.47	2.23e-03	2.61e-04	-1.41e-03	1.04
		0.70	-1.41e-03	1.30e-06	0.0	60.0	1.06	-0.66	2.23e-03	2.61e-04	-7.87e-05	0.70
77	72	0.90	4.93e-04	3.64e-05	-0.19	0.0	2.20	-0.33	-7.63e-04	1.53e-04	4.93e-04	0.90
		0.64	3.50e-05	0.0	0.0	60.0	2.20	-0.52	-7.63e-04	1.53e-04	3.50e-05	0.64
77	75	0.98	4.88e-04	4.07e-05	-0.19	0.0	2.64	-0.41	-7.52e-04	1.97e-04	4.88e-04	0.98
		0.67	3.68e-05	1.13e-06	0.0	60.0	2.64	-0.60	-7.52e-04	1.97e-04	3.68e-05	0.67
77	80	1.02	-2.65e-05	4.32e-05	-0.19	0.0	1.73	-0.46	8.90e-04	2.51e-04	-5.60e-04	1.02
		0.69	-5.60e-04	1.46e-06	0.0	60.0	1.73	-0.65	8.90e-04	2.51e-04	-2.65e-05	0.69
77	85	0.93	-5.22e-05	3.79e-05	-0.19	0.0	0.82	-0.35	1.47e-03	1.95e-04	-9.33e-04	0.93
		0.66	-9.33e-04	0.0	0.0	60.0	0.82	-0.54	1.47e-03	1.95e-04	-5.22e-05	0.66
77	88	1.00	-5.04e-05	4.22e-05	-0.19	0.0	1.27	-0.43	1.48e-03	2.39e-04	-9.38e-04	1.00
		0.69	-9.38e-04	1.23e-06	0.0	60.0	1.27	-0.62	1.48e-03	2.39e-04	-5.04e-05	0.69
77	101	0.97	1.17e-05	4.04e-05	-0.19	0.0	1.92	-0.40	-7.48e-06	2.20e-04	1.17e-05	0.97
		0.67	7.24e-06	1.34e-06	0.0	60.0	1.92	-0.59	-7.48e-06	2.20e-04	7.24e-06	0.67
77	102	0.91	1.11e-04	3.71e-05	-0.19	0.0	1.70	-0.34	-1.66e-04	1.80e-04	1.11e-04	0.91
		0.65	1.16e-05	0.0	0.0	60.0	1.70	-0.53	-1.66e-04	1.80e-04	1.16e-05	0.65
77	103	0.96	1.08e-04	3.97e-05	-0.19	0.0	2.02	-0.39	-1.58e-04	2.09e-04	1.08e-04	0.96
		0.67	1.30e-05	1.25e-06	0.0	60.0	2.02	-0.58	-1.58e-04	2.09e-04	1.30e-05	0.67
77	104	0.92	-5.81e-06	3.75e-05	-0.19	0.0	1.42	-0.34	2.81e-04	1.88e-04	-1.74e-04	0.92
		0.65	-1.74e-04	0.0	0.0	60.0	1.42	-0.53	2.81e-04	1.88e-04	-5.81e-06	0.65
77	105	0.96	-4.40e-06	4.00e-05	-0.19	0.0	1.74	-0.40	2.88e-04	2.18e-04	-1.77e-04	0.96
		0.67	-1.77e-04	1.27e-06	0.0	60.0	1.74	-0.59	2.88e-04	2.18e-04	-4.40e-06	0.67
77	106	0.91	1.56e-05	3.73e-05	-0.19	0.0	1.57	-0.34	-1.63e-05	1.86e-04	1.56e-05	0.91
		0.65	5.78e-06	1.01e-06	0.0	60.0	1.57	-0.53	-1.63e-05	1.86e-04	5.78e-06	0.65
77	107	0.96	1.23e-05	3.98e-05	-0.19	0.0	1.89	-0.40	-8.46e-06	2.16e-04	1.23e-05	0.96
		0.67	7.18e-06	1.31e-06	0.0	60.0	1.89	-0.58	-8.46e-06	2.16e-04	7.18e-06	0.67
77	112	4.97	-3.50e-05	2.09e-04	-0.19	0.0	3.37	-4.81	1.83e-04	-6.98e-03	-1.36e-04	4.97
		2.03	-1.36e-04	1.97e-04	0.0	60.0	3.37	-5.00	1.83e-04	-6.98e-03	-3.50e-05	2.03
77	115	-0.70	1.60e-04	-1.29e-04	-0.19	0.0	0.41	4.02	-2.00e-04	7.41e-03	1.60e-04	-3.05
		-3.05	4.93e-05	-1.94e-04	0.0	60.0	0.41	3.83	-2.00e-04	7.41e-03	4.93e-05	-0.70
77	125	3.25	-1.59e-05	8.97e-05	-0.19	0.0	-1.11	-2.91	3.81e-04	1.79e-03	-2.35e-04	3.25
		1.45	-2.35e-04	7.82e-05	0.0	60.0	-1.11	-3.09	3.81e-04	1.79e-03	-1.59e-05	1.45
77	126	-0.11	2.59e-04	-9.98e-06	-0.19	0.0	4.90	2.11	-3.97e-04	-1.36e-03	2.59e-04	-1.32
		-1.32	3.03e-05	-7.56e-05	0.0	60.0	4.90	1.92	-3.97e-04	-1.36e-03	3.03e-05	-0.11
77	128	0.81	1.55e-04	8.94e-05	-0.19	0.0	5.25	-0.23	-2.58e-04	-1.25e-03	1.55e-04	0.81
		0.61	8.67e-06	4.09e-05	0.0	60.0	5.25	-0.42	-2.58e-04	-1.25e-03	8.67e-06	0.61
77	131	1.12	5.69e-06	-1.02e-05	-0.19	0.0	-1.47	-0.57	2.41e-04	1.68e-03	-1.31e-04	1.12
		0.72	-1.31e-04	-3.82e-05	0.0	60.0	-1.47	-0.75	2.41e-04	1.68e-03	5.69e-06	0.72
77	144	5.48	-4.03e-05	2.31e-04	-0.19	0.0	3.55	-5.37	2.07e-04	-7.88e-03	-1.54e-04	5.48

		2.21	-1.54e-04	2.22e-04	0.0	60.0	3.55	-5.56	2.07e-04	-7.88e-03	-4.03e-05	2.21
77	147	-0.87	1.79e-04	-1.51e-04	-0.19	0.0	0.23	4.58	-2.24e-04	8.31e-03	1.79e-04	-3.56
		-3.56	5.47e-05	-2.19e-04	0.0	60.0	0.23	4.39	-2.24e-04	8.31e-03	5.47e-05	-0.87
77	157	3.54	-1.89e-05	9.65e-05	-0.19	0.0	-1.49	-3.23	4.29e-04	1.99e-03	-2.66e-04	3.54
		1.55	-2.66e-04	8.83e-05	0.0	60.0	-1.49	-3.42	4.29e-04	1.99e-03	-1.89e-05	1.55
77	158	-0.21	2.90e-04	-1.68e-05	-0.19	0.0	5.27	2.44	-4.46e-04	-1.56e-03	2.90e-04	-1.62
		-1.62	3.32e-05	-8.56e-05	0.0	60.0	5.27	2.25	-4.46e-04	-1.56e-03	3.32e-05	-0.21
77	160	0.79	1.73e-04	9.59e-05	-0.19	0.0	5.67	-0.21	-2.89e-04	-1.44e-03	1.73e-04	0.79
		0.61	8.86e-06	4.58e-05	0.0	60.0	5.67	-0.39	-2.89e-04	-1.44e-03	8.86e-06	0.61
77	163	1.14	5.51e-06	-1.62e-05	-0.19	0.0	-1.89	-0.59	2.72e-04	1.87e-03	-1.49e-04	1.14
		0.73	-1.49e-04	-4.32e-05	0.0	60.0	-1.89	-0.77	2.72e-04	1.87e-03	5.51e-06	0.73
77	176	5.51	-4.05e-05	2.39e-04	-0.19	0.0	3.53	-5.40	2.07e-04	-7.51e-03	-1.54e-04	5.51
		2.22	-1.54e-04	2.21e-04	0.0	60.0	3.53	-5.59	2.07e-04	-7.51e-03	-4.05e-05	2.22
77	179	-0.88	1.79e-04	-1.59e-04	-0.19	0.0	0.25	4.61	-2.23e-04	7.94e-03	1.79e-04	-3.59
		-3.59	5.48e-05	-2.19e-04	0.0	60.0	0.25	4.42	-2.23e-04	7.94e-03	5.48e-05	-0.88
77	189	3.57	-1.92e-05	1.02e-04	-0.19	0.0	-1.41	-3.27	4.24e-04	2.01e-03	-2.63e-04	3.57
		1.56	-2.63e-04	9.07e-05	0.0	60.0	-1.41	-3.46	4.24e-04	2.01e-03	-1.92e-05	1.56
77	190	-0.22	2.88e-04	-2.19e-05	-0.19	0.0	5.19	2.48	-4.41e-04	-1.57e-03	2.88e-04	-1.65
		-1.65	3.36e-05	-8.81e-05	0.0	60.0	5.19	2.29	-4.41e-04	-1.57e-03	3.36e-05	-0.22
77	192	0.80	1.71e-04	9.72e-05	-0.19	0.0	5.60	-0.22	-2.84e-04	-1.39e-03	1.71e-04	0.80
		0.61	8.79e-06	4.46e-05	0.0	60.0	5.60	-0.41	-2.84e-04	-1.39e-03	8.79e-06	0.61
77	195	1.12	5.57e-06	-1.75e-05	-0.19	0.0	-1.82	-0.57	2.67e-04	1.82e-03	-1.46e-04	1.12
		0.72	-1.46e-04	-4.20e-05	0.0	60.0	-1.82	-0.76	2.67e-04	1.82e-03	5.57e-06	0.72
77	216	6.38	-4.59e-05	2.83e-04	-0.19	0.0	3.86	-6.35	1.95e-04	0.01	-1.51e-04	6.38
		2.51	-1.51e-04	2.85e-04	0.0	60.0	3.86	-6.54	1.95e-04	0.01	-4.59e-05	2.51
77	219	-1.18	1.76e-04	-2.04e-04	-0.19	0.0	-0.08	5.56	-2.12e-04	-0.01	1.76e-04	-4.46
		-4.46	6.03e-05	-2.82e-04	0.0	60.0	-0.08	5.37	-2.12e-04	-0.01	6.03e-05	-1.18
77	221	4.06	-2.42e-05	1.15e-04	-0.19	0.0	-1.93	-3.80	4.97e-04	2.36e-03	-3.10e-04	4.06
		1.72	-3.10e-04	1.08e-04	0.0	60.0	-1.93	-3.99	4.97e-04	2.36e-03	-2.42e-05	1.72
77	222	-0.39	3.35e-04	-3.58e-05	-0.19	0.0	5.72	3.01	-5.14e-04	-1.93e-03	3.35e-04	-2.14
		-2.14	3.86e-05	-1.05e-04	0.0	60.0	5.72	2.82	-5.14e-04	-1.93e-03	3.86e-05	-0.39
77	224	0.79	1.96e-04	1.08e-04	-0.19	0.0	6.21	-0.21	-3.29e-04	-1.61e-03	1.96e-04	0.79
		0.61	8.96e-06	5.25e-05	0.0	60.0	6.21	-0.40	-3.29e-04	-1.61e-03	8.96e-06	0.61
77	227	1.13	5.40e-06	-2.86e-05	-0.19	0.0	-2.42	-0.58	3.12e-04	2.05e-03	-1.71e-04	1.13
		0.72	-1.71e-04	-4.99e-05	0.0	60.0	-2.42	-0.77	3.12e-04	2.05e-03	5.40e-06	0.72
78	4	-1.00	0.05	3.27e-05	-0.24	0.0	2.07	0.55	0.07	3.06e-04	7.55e-03	-1.26
		-1.26	7.55e-03	3.45e-06	0.0	60.0	2.07	0.31	0.07	3.06e-04	0.05	-1.00
78	18	-0.86	0.04	3.68e-05	-0.24	0.0	2.25	0.56	0.06	2.64e-04	6.60e-03	-1.12
		-1.12	6.60e-03	2.84e-06	0.0	60.0	2.25	0.32	0.06	2.64e-04	0.04	-0.86
78	19	-0.35	0.02	3.77e-05	-0.19	0.0	1.38	0.44	0.03	1.32e-04	3.07e-03	-0.55
		-0.55	3.07e-03	1.12e-06	0.0	60.0	1.38	0.25	0.03	1.32e-04	0.02	-0.35
78	28	-1.00	0.05	3.33e-05	-0.24	0.0	0.65	0.58	0.06	3.43e-04	8.49e-03	-1.27
		-1.27	8.49e-03	3.77e-06	0.0	60.0	0.65	0.33	0.06	3.43e-04	0.05	-1.00
78	45	-0.36	0.02	3.88e-05	-0.19	0.0	-0.99	0.47	0.02	1.95e-04	4.62e-03	-0.58
		-0.58	4.62e-03	1.66e-06	0.0	60.0	-0.99	0.28	0.02	1.95e-04	0.02	-0.36
78	68	-0.70	0.03	2.73e-05	-0.19	0.0	1.39	0.43	0.05	2.25e-04	5.42e-03	-0.90
		-0.90	5.42e-03	2.48e-06	0.0	60.0	1.39	0.24	0.05	2.25e-04	0.03	-0.70
78	72	-0.38	0.02	3.70e-05	-0.19	0.0	1.07	0.44	0.03	1.53e-04	3.39e-03	-0.59
		-0.59	3.39e-03	1.38e-06	0.0	60.0	1.07	0.25	0.03	1.53e-04	0.02	-0.38
78	75	-0.61	0.03	3.00e-05	-0.19	0.0	1.52	0.44	0.04	1.97e-04	4.78e-03	-0.81
		-0.81	4.78e-03	2.08e-06	0.0	60.0	1.52	0.25	0.04	1.97e-04	0.03	-0.61
78	80	-0.70	0.03	2.77e-05	-0.19	0.0	0.45	0.45	0.04	2.51e-04	6.04e-03	-0.91
		-0.91	6.04e-03	2.70e-06	0.0	60.0	0.45	0.26	0.04	2.51e-04	0.03	-0.70
78	85	-0.38	0.02	3.77e-05	-0.19	0.0	-0.51	0.47	0.03	1.95e-04	4.43e-03	-0.61
		-0.61	4.43e-03	1.75e-06	0.0	60.0	-0.51	0.28	0.03	1.95e-04	0.02	-0.38
78	98	-0.60	0.03	3.05e-05	-0.19	0.0	0.74	0.43	0.04	2.21e-04	4.90e-03	-0.80
		-0.80	4.90e-03	2.35e-06	0.0	60.0	0.74	0.24	0.04	2.21e-04	0.03	-0.60
78	102	-0.38	0.02	3.71e-05	-0.19	0.0	0.49	0.45	0.03	1.80e-04	3.64e-03	-0.60
		-0.60	3.64e-03	1.69e-06	0.0	60.0	0.49	0.27	0.03	1.80e-04	0.02	-0.38
78	103	-0.57	0.03	3.14e-05	-0.19	0.0	0.83	0.43	0.04	2.09e-04	4.66e-03	-0.77
		-0.77	4.66e-03	2.19e-06	0.0	60.0	0.83	0.24	0.04	2.09e-04	0.03	-0.57
78	104	-0.38	0.02	3.73e-05	-0.19	0.0	0.18	0.46	0.03	1.88e-04	3.84e-03	-0.60
		-0.60	3.84e-03	1.76e-06	0.0	60.0	0.18	0.27	0.03	1.88e-04	0.02	-0.38
78	106	-0.38	0.02	3.72e-05	-0.19	0.0	0.35	0.46	0.03	1.86e-04	3.70e-03	-0.60
		-0.60	3.70e-03	1.76e-06	0.0	60.0	0.35	0.27	0.03	1.86e-04	0.02	-0.38
78	107	-0.57	0.03	3.15e-05	-0.19	0.0	0.68	0.43	0.04	2.16e-04	4.73e-03	-0.77
		-0.77	4.73e-03	2.26e-06	0.0	60.0	0.68	0.24	0.04	2.16e-04	0.03	-0.57
78	112	-4.21	0.03	-1.36e-04	-0.19	0.0	-0.84	6.81	0.04	-6.98e-03	3.55e-03	-8.24
		-8.24	3.55e-03	1.98e-04	0.0	60.0	-0.84	6.63	0.04	-6.98e-03	0.03	-4.21
78	115	6.70	0.03	1.99e-04	-0.19	0.0	2.21	-5.95	0.03	7.41e-03	5.90e-03	6.70
		3.07	5.90e-03	-1.94e-04	0.0	60.0	2.21	-6.14	0.03	7.41e-03	0.03	3.07
78	124	-0.46	0.02	-4.29e-05	-0.19	0.0	3.62	0.29	0.03	-6.39e-03	1.60e-03	-0.59
		-0.59	1.60e-03	3.56e-05	0.0	60.0	3.62	0.10	0.03	-6.39e-03	0.02	-0.46
78	125	-2.66	0.04	1.32e-05	-0.19	0.0	-3.76	4.04	0.06	1.79e-03	7.61e-03	-5.02
		-5.02	7.61e-03	8.47e-05	0.0	60.0	-3.76	3.86	0.06	1.79e-03	0.04	-2.66

78	126	3.48	0.01	6.44e-05	-0.19	0.0	5.13	-3.18	0.02	-1.36e-03	1.84e-03	3.48
		1.52	1.84e-03	-8.02e-05	0.0	60.0	5.13	-3.37	0.02	-1.36e-03	0.01	1.52
78	133	-0.46	0.04	-6.09e-05	-0.19	0.0	-3.38	0.19	0.06	-6.26e-03	7.17e-03	-0.52
		-0.52	7.17e-03	4.93e-05	0.0	60.0	-3.38	5.78e-03	0.06	-6.26e-03	0.04	-0.46
78	144	-4.67	0.03	-1.57e-04	-0.19	0.0	-1.03	7.63	0.05	-7.88e-03	3.40e-03	-9.19
		-9.19	3.40e-03	2.23e-04	0.0	60.0	-1.03	7.44	0.05	-7.88e-03	0.03	-4.67
78	147	7.65	0.02	2.20e-04	-0.19	0.0	2.40	-6.76	0.03	8.31e-03	6.05e-03	7.65
		3.54	6.05e-03	-2.19e-04	0.0	60.0	2.40	-6.95	0.03	8.31e-03	0.02	3.54
78	156	-0.45	0.02	-5.20e-05	-0.19	0.0	3.99	0.27	0.03	-7.22e-03	1.21e-03	-0.55
		-0.55	1.21e-03	3.95e-05	0.0	60.0	3.99	0.08	0.03	-7.22e-03	0.02	-0.45
78	157	-2.93	0.04	1.27e-05	-0.19	0.0	-4.32	4.51	0.06	1.99e-03	7.96e-03	-5.57
		-5.57	7.96e-03	9.55e-05	0.0	60.0	-4.32	4.32	0.06	1.99e-03	0.04	-2.93
78	158	4.03	0.01	6.90e-05	-0.19	0.0	5.69	-3.65	0.02	-1.56e-03	1.49e-03	4.03
		1.79	1.49e-03	-9.10e-05	0.0	60.0	5.69	-3.84	0.02	-1.56e-03	0.01	1.79
78	165	-0.44	0.04	-7.25e-05	-0.19	0.0	-3.89	0.16	0.06	-7.07e-03	7.47e-03	-0.48
		-0.48	7.47e-03	5.50e-05	0.0	60.0	-3.89	-0.03	0.06	-7.07e-03	0.04	-0.44
78	176	-4.70	0.03	-1.62e-04	-0.19	0.0	-1.05	7.67	0.05	-7.51e-03	3.45e-03	-9.24
		-9.24	3.45e-03	2.23e-04	0.0	60.0	-1.05	7.48	0.05	-7.51e-03	0.03	-4.70
78	179	7.70	0.02	2.25e-04	-0.19	0.0	2.42	-6.81	0.03	7.94e-03	6.00e-03	7.70
		3.56	6.00e-03	-2.18e-04	0.0	60.0	2.42	-7.00	0.03	7.94e-03	0.02	3.56
78	188	-0.43	0.02	-5.06e-05	-0.19	0.0	3.94	0.23	0.03	-6.99e-03	1.30e-03	-0.51
		-0.51	1.30e-03	3.62e-05	0.0	60.0	3.94	0.04	0.03	-6.99e-03	0.02	-0.43
78	189	-2.96	0.04	1.12e-05	-0.19	0.0	-4.26	4.57	0.06	2.01e-03	7.89e-03	-5.64
		-5.64	7.89e-03	9.79e-05	0.0	60.0	-4.26	4.38	0.06	2.01e-03	0.04	-2.96
78	190	4.10	0.01	7.30e-05	-0.19	0.0	5.63	-3.71	0.02	-1.57e-03	1.56e-03	4.10
		1.82	1.56e-03	-9.34e-05	0.0	60.0	5.63	-3.90	0.02	-1.57e-03	0.01	1.82
78	201	-0.38	0.04	-7.04e-05	-0.19	0.0	-3.66	0.09	0.06	-1.24e-03	7.40e-03	-0.40
		-0.40	7.40e-03	5.58e-05	0.0	60.0	-3.66	-0.10	0.06	-1.24e-03	0.04	-0.40
78	216	-5.48	0.03	-1.97e-04	-0.19	0.0	-0.98	9.05	0.05	0.01	3.28e-03	-10.85
		-10.85	3.28e-03	2.84e-04	0.0	60.0	-0.98	8.87	0.05	0.01	0.03	-5.48
78	219	9.31	0.02	2.60e-04	-0.19	0.0	2.34	-8.19	0.03	-0.01	6.17e-03	9.31
		4.34	6.17e-03	-2.79e-04	0.0	60.0	2.34	-8.38	0.03	-0.01	0.02	4.34
78	220	-0.39	0.02	-6.35e-05	-0.19	0.0	4.47	0.16	0.02	-8.17e-03	7.48e-04	-0.43
		-0.43	7.48e-04	4.02e-05	0.0	60.0	4.47	-0.03	0.02	-8.17e-03	0.02	-0.39
78	221	-3.40	0.05	-2.04e-05	-0.19	0.0	-5.10	5.35	0.06	2.36e-03	8.41e-03	-6.54
		-6.54	8.41e-03	1.16e-04	0.0	60.0	-5.10	5.16	0.06	2.36e-03	0.05	-3.40
78	222	5.00	0.01	8.33e-05	-0.19	0.0	6.46	-4.48	0.02	-1.93e-03	1.05e-03	5.00
		2.26	1.05e-03	-1.12e-04	0.0	60.0	6.46	-4.67	0.02	-1.93e-03	0.01	2.26
78	233	-0.36	0.05	-8.98e-05	-0.19	0.0	-4.38	0.07	0.06	-1.45e-03	7.83e-03	-0.37
		-0.38	7.83e-03	6.57e-05	0.0	60.0	-4.38	-0.12	0.06	-1.45e-03	0.05	-0.38
79	4	0.0	0.05	-1.43e-05	-0.24	0.0	1.93	1.79	-0.20	3.06e-04	0.05	-1.00
		-1.00	-0.07	1.19e-05	0.0	60.0	1.93	1.54	-0.20	3.06e-04	-0.07	0.0
79	18	0.0	0.04	-2.47e-06	-0.24	0.0	2.12	1.55	-0.17	2.64e-04	0.04	-0.86
		-0.86	-0.06	1.06e-05	0.0	60.0	2.12	1.31	-0.17	2.64e-04	-0.06	0.0
79	44	0.0	0.04	-1.24e-06	-0.24	0.0	-0.62	1.56	-0.23	3.27e-04	0.04	-0.87
		-0.87	-0.10	1.05e-05	0.0	60.0	-0.62	1.32	-0.23	3.27e-04	-0.10	0.0
79	45	0.0	0.02	2.54e-05	-0.19	0.0	-1.55	0.69	-0.14	1.95e-04	0.02	-0.36
		-0.36	-0.06	5.04e-06	0.0	60.0	-1.55	0.50	-0.14	1.95e-04	-0.06	0.0
79	52	0.0	0.05	-1.42e-05	-0.24	0.0	1.18	1.80	-0.22	3.36e-04	0.05	-1.00
		-1.00	-0.08	1.21e-05	0.0	60.0	1.18	1.55	-0.22	3.36e-04	-0.08	0.0
79	57	0.0	0.03	2.44e-05	-0.24	0.0	0.23	1.07	-0.16	2.77e-04	0.03	-0.57
		-0.57	-0.06	8.53e-06	0.0	60.0	0.23	0.82	-0.16	2.77e-04	-0.06	0.0
79	68	0.0	0.03	-5.07e-06	-0.19	0.0	1.25	1.26	-0.15	2.25e-04	0.03	-0.70
		-0.70	-0.05	8.54e-06	0.0	60.0	1.25	1.07	-0.15	2.25e-04	-0.05	0.0
79	75	0.0	0.03	2.82e-06	-0.19	0.0	1.37	1.10	-0.13	1.97e-04	0.03	-0.61
		-0.61	-0.04	7.68e-06	0.0	60.0	1.37	0.91	-0.13	1.97e-04	-0.04	0.0
79	85	0.0	0.02	2.28e-05	-0.19	0.0	-0.99	0.73	-0.13	1.95e-04	0.02	-0.38
		-0.38	-0.06	5.41e-06	0.0	60.0	-0.99	0.54	-0.13	1.95e-04	-0.06	0.0
79	88	0.0	0.03	3.64e-06	-0.19	0.0	-0.45	1.11	-0.17	2.39e-04	0.03	-0.61
		-0.61	-0.07	7.60e-06	0.0	60.0	-0.45	0.92	-0.17	2.39e-04	-0.07	0.0
79	92	0.0	0.03	-5.01e-06	-0.19	0.0	0.75	1.26	-0.16	2.45e-04	0.03	-0.70
		-0.70	-0.06	8.64e-06	0.0	60.0	0.75	1.08	-0.16	2.45e-04	-0.06	0.0
79	93	0.0	0.02	2.07e-05	-0.19	0.0	0.11	0.78	-0.12	2.06e-04	0.02	-0.41
		-0.41	-0.05	6.27e-06	0.0	60.0	0.11	0.59	-0.12	2.06e-04	-0.05	0.0
79	98	0.0	0.03	3.56e-06	-0.19	0.0	0.48	1.09	-0.14	2.21e-04	0.03	-0.60
		-0.60	-0.05	7.52e-06	0.0	60.0	0.48	0.90	-0.14	2.21e-04	-0.05	0.0
79	99	0.0	0.02	2.18e-05	-0.19	0.0	0.02	0.74	-0.11	1.90e-04	0.02	-0.39
		-0.39	-0.04	5.77e-06	0.0	60.0	0.02	0.56	-0.11	1.90e-04	-0.04	0.0
79	103	0.0	0.03	6.18e-06	-0.19	0.0	0.58	1.04	-0.13	2.09e-04	0.03	-0.57
		-0.57	-0.05	7.22e-06	0.0	60.0	0.58	0.85	-0.13	2.09e-04	-0.05	0.0
79	104	0.0	0.02	2.22e-05	-0.19	0.0	-0.20	0.73	-0.11	1.88e-04	0.02	-0.38
		-0.38	-0.05	5.60e-06	0.0	60.0	-0.20	0.55	-0.11	1.88e-04	-0.05	0.0
79	105	0.0	0.03	6.35e-06	-0.19	0.0	0.22	1.04	-0.14	2.18e-04	0.03	-0.57
		-0.57	-0.06	7.21e-06	0.0	60.0	0.22	0.85	-0.14	2.18e-04	-0.06	0.0
79	106	0.0	0.02	2.20e-05	-0.19	0.0	-1.36e-03	0.73	-0.11	1.86e-04	0.02	-0.38

		-0.38	-0.04	5.65e-06	0.0	60.0	-1.36e-03	0.55	-0.11	1.86e-04	-0.04	0.0
79	107	0.0	0.03	6.20e-06	-0.19	0.0	0.41	1.04	-0.13	2.16e-04	0.03	-0.57
		-0.57	-0.05	7.25e-06	0.0	60.0	0.41	0.85	-0.13	2.16e-04	-0.05	0.0
79	112	0.0	0.15	-8.08e-04	-0.19	0.0	-0.59	7.11	0.19	-6.98e-03	0.03	-4.21
		-4.21	0.03	2.04e-04	0.0	60.0	-0.59	6.92	0.19	-6.98e-03	0.15	0.0
79	115	3.07	0.03	8.20e-04	-0.19	0.0	1.41	-5.03	-0.46	7.41e-03	0.03	3.07
		0.0	-0.25	-1.89e-04	0.0	60.0	1.41	-5.22	-0.46	7.41e-03	-0.25	0.0
79	116	0.0	0.17	-2.30e-04	-0.19	0.0	-0.04	5.70	0.23	7.73e-03	0.03	-3.37
		-3.37	0.03	1.98e-04	0.0	60.0	-0.04	5.52	0.23	7.73e-03	0.17	0.0
79	119	2.23	0.03	2.42e-04	-0.19	0.0	0.87	-3.63	-0.50	-7.30e-03	0.03	2.23
		0.0	-0.27	-1.84e-04	0.0	60.0	0.87	-3.81	-0.50	-7.30e-03	-0.27	0.0
79	125	0.0	0.04	-2.09e-04	-0.19	0.0	-4.84	4.52	-0.33	1.79e-03	0.04	-2.66
		-2.66	-0.16	9.29e-05	0.0	60.0	-4.84	4.33	-0.33	1.79e-03	-0.16	0.0
79	126	1.52	0.05	2.22e-04	-0.19	0.0	5.67	-2.44	0.06	-1.36e-03	0.01	1.52
		0.0	0.01	-7.84e-05	0.0	60.0	5.67	-2.63	0.06	-1.36e-03	0.05	0.0
79	144	0.0	0.17	-9.11e-04	-0.19	0.0	-0.72	7.88	0.23	-7.88e-03	0.03	-4.67
		-4.67	0.03	2.29e-04	0.0	60.0	-0.72	7.69	0.23	-7.88e-03	0.17	0.0
79	147	3.54	0.02	9.23e-04	-0.19	0.0	1.54	-5.80	-0.50	8.31e-03	0.02	3.54
		0.0	-0.28	-2.14e-04	0.0	60.0	1.54	-5.99	-0.50	8.31e-03	-0.28	0.0
79	148	0.0	0.20	-2.62e-04	-0.19	0.0	-0.11	6.32	0.28	8.67e-03	0.03	-3.74
		-3.74	0.03	2.23e-04	0.0	60.0	-0.11	6.14	0.28	8.67e-03	0.20	0.0
79	151	2.60	0.02	2.75e-04	-0.19	0.0	0.94	-4.24	-0.55	-8.24e-03	0.02	2.60
		0.0	-0.30	-2.09e-04	0.0	60.0	0.94	-4.43	-0.55	-8.24e-03	-0.30	0.0
79	157	0.0	0.04	-2.37e-04	-0.19	0.0	-5.50	4.97	-0.36	1.99e-03	0.04	-2.93
		-2.93	-0.17	1.04e-04	0.0	60.0	-5.50	4.78	-0.36	1.99e-03	-0.17	0.0
79	158	1.79	0.07	2.49e-04	-0.19	0.0	6.33	-2.89	0.09	-1.56e-03	0.01	1.79
		0.0	0.01	-8.96e-05	0.0	60.0	6.33	-3.08	0.09	-1.56e-03	0.07	0.0
79	176	0.0	0.17	-8.94e-04	-0.19	0.0	-0.73	7.92	0.23	-7.51e-03	0.03	-4.70
		-4.70	0.03	2.28e-04	0.0	60.0	-0.73	7.73	0.23	-7.51e-03	0.17	0.0
79	179	3.56	0.02	9.06e-04	-0.19	0.0	1.56	-5.84	-0.50	7.94e-03	0.02	3.56
		0.0	-0.28	-2.14e-04	0.0	60.0	1.56	-6.03	-0.50	7.94e-03	-0.28	0.0
79	180	0.0	0.20	-2.83e-04	-0.19	0.0	-0.15	6.54	0.29	8.52e-03	0.03	-3.87
		-3.87	0.03	2.28e-04	0.0	60.0	-0.15	6.35	0.29	8.52e-03	0.20	0.0
79	183	2.73	0.02	2.95e-04	-0.19	0.0	0.98	-4.46	-0.55	-8.09e-03	0.02	2.73
		0.0	-0.31	-2.13e-04	0.0	60.0	0.98	-4.65	-0.55	-8.09e-03	-0.31	0.0
79	189	0.0	0.04	-2.35e-04	-0.19	0.0	-5.42	5.02	-0.35	2.01e-03	0.04	-2.96
		-2.96	-0.17	1.06e-04	0.0	60.0	-5.42	4.83	-0.35	2.01e-03	-0.17	0.0
79	190	1.82	0.06	2.48e-04	-0.19	0.0	6.24	-2.94	0.08	-1.57e-03	0.01	1.82
		0.0	0.01	-9.20e-05	0.0	60.0	6.24	-3.13	0.08	-1.57e-03	0.06	0.0
79	212	0.0	0.26	-3.48e-04	-0.19	0.0	-0.32	7.71	0.37	0.01	0.03	-4.57
		-4.57	0.03	2.73e-04	0.0	60.0	-0.32	7.52	0.37	0.01	0.26	0.0
79	215	3.44	0.02	3.60e-04	-0.19	0.0	1.14	-5.63	-0.64	-9.64e-03	0.02	3.44
		0.0	-0.36	-2.58e-04	0.0	60.0	1.14	-5.82	-0.64	-9.64e-03	-0.36	0.0
79	216	0.0	0.23	-3.22e-04	-0.19	0.0	-0.61	9.22	0.33	0.01	0.03	-5.48
		-5.48	0.03	2.90e-04	0.0	60.0	-0.61	9.04	0.33	0.01	0.23	0.0
79	219	4.34	0.02	3.35e-04	-0.19	0.0	1.44	-7.15	-0.59	-0.01	0.02	4.34
		0.0	-0.33	-2.75e-04	0.0	60.0	1.44	-7.33	-0.59	-0.01	-0.33	0.0
79	221	0.0	0.05	-2.78e-04	-0.19	0.0	-6.38	5.76	-0.38	2.36e-03	0.05	-3.40
		-3.40	-0.19	1.26e-04	0.0	60.0	-6.38	5.57	-0.38	2.36e-03	-0.19	0.0
79	222	2.26	0.08	2.90e-04	-0.19	0.0	7.21	-3.68	0.11	-1.93e-03	0.01	2.26
		0.0	0.01	-1.11e-04	0.0	60.0	7.21	-3.87	0.11	-1.93e-03	0.08	0.0
80	3	0.0	0.01	1.11e-06	-0.16	0.0	2.08	-1.05	0.24	9.05e-03	-0.08	0.0
		-0.45	-0.08	-1.46e-06	0.0	40.0	2.08	-1.22	0.24	9.05e-03	0.01	-0.45
80	18	0.0	0.01	-9.47e-06	-0.16	0.0	2.32	-0.76	0.20	8.68e-03	-0.07	0.0
		-0.34	-0.07	0.0	0.0	40.0	2.32	-0.92	0.20	8.68e-03	0.01	-0.34
80	36	0.04	2.90e-03	-3.12e-05	-0.13	0.0	-0.65	0.17	0.21	5.82e-03	-0.08	0.0
		0.0	-0.08	-4.08e-06	0.0	40.0	-0.65	0.04	0.21	5.82e-03	2.90e-03	0.04
80	44	0.0	4.87e-03	-1.32e-05	-0.16	0.0	-0.34	-0.55	0.34	9.08e-03	-0.13	0.0
		-0.25	-0.13	-6.49e-06	0.0	40.0	-0.34	-0.72	0.34	9.08e-03	4.87e-03	-0.25
80	45	4.91e-04	9.43e-05	-2.67e-05	-0.13	0.0	-1.46	0.02	0.22	4.94e-03	-0.09	0.0
		-0.02	-0.09	-5.41e-06	0.0	40.0	-1.46	-0.11	0.22	4.94e-03	9.43e-05	-0.02
80	67	0.0	9.25e-03	-3.34e-06	-0.13	0.0	1.35	-0.69	0.18	6.57e-03	-0.06	0.0
		-0.30	-0.06	-1.19e-06	0.0	40.0	1.35	-0.82	0.18	6.57e-03	9.25e-03	-0.30
80	75	0.0	0.01	-1.04e-05	-0.13	0.0	1.51	-0.50	0.15	6.32e-03	-0.05	0.0
		-0.22	-0.05	0.0	0.0	40.0	1.51	-0.62	0.15	6.32e-03	0.01	-0.22
80	81	3.05e-03	3.79e-03	-2.75e-05	-0.13	0.0	-0.36	0.04	0.19	5.63e-03	-0.07	0.0
		-7.55e-03	-0.07	-3.38e-06	0.0	40.0	-0.36	-0.08	0.19	5.63e-03	3.79e-03	-7.55e-03
80	85	0.0	1.92e-03	-2.45e-05	-0.13	0.0	-0.90	-0.06	0.20	5.04e-03	-0.08	0.0
		-0.05	-0.08	-4.26e-06	0.0	40.0	-0.90	-0.18	0.20	5.04e-03	1.92e-03	-0.05
80	88	0.0	3.79e-03	-1.29e-05	-0.13	0.0	-0.27	-0.36	0.24	6.59e-03	-0.09	0.0
		-0.17	-0.09	-4.55e-06	0.0	40.0	-0.27	-0.48	0.24	6.59e-03	3.79e-03	-0.17
80	98	0.0	6.72e-03	-9.80e-06	-0.13	0.0	0.63	-0.50	0.19	6.12e-03	-0.07	0.0
		-0.22	-0.07	-2.12e-06	0.0	40.0	0.63	-0.62	0.19	6.12e-03	6.72e-03	-0.22
80	103	0.0	7.11e-03	-1.15e-05	-0.13	0.0	0.71	-0.46	0.17	5.92e-03	-0.06	0.0
		-0.21	-0.06	-1.74e-06	0.0	40.0	0.71	-0.58	0.17	5.92e-03	7.11e-03	-0.21

80	104	0.0	4.49e-03	-2.35e-05	-0.13	0.0	-0.13	-0.12	0.16	4.93e-03	-0.06	0.0
		-0.07	-0.06	-2.35e-06	0.0	40.0	-0.13	-0.24	0.16	4.93e-03	4.49e-03	-0.07
80	105	0.0	5.85e-03	-1.20e-05	-0.13	0.0	0.35	-0.43	0.19	5.98e-03	-0.07	0.0
		-0.20	-0.07	-2.56e-06	0.0	40.0	0.35	-0.56	0.19	5.98e-03	5.85e-03	-0.20
80	106	0.0	5.13e-03	-2.32e-05	-0.13	0.0	0.07	-0.13	0.15	4.90e-03	-0.05	0.0
		-0.08	-0.05	-1.87e-06	0.0	40.0	0.07	-0.26	0.15	4.90e-03	5.13e-03	-0.08
80	107	0.0	6.49e-03	-1.17e-05	-0.13	0.0	0.55	-0.45	0.18	5.95e-03	-0.07	0.0
		-0.20	-0.07	-2.08e-06	0.0	40.0	0.55	-0.57	0.18	5.95e-03	6.49e-03	-0.20
80	113	1.51	-0.02	2.97e-05	-0.13	0.0	0.45	3.83	0.67	-1.53e-03	-0.28	0.0
		0.0	-0.28	1.22e-04	0.0	40.0	0.45	3.71	0.67	-1.53e-03	-0.02	1.51
80	114	0.0	0.15	-5.31e-05	-0.13	0.0	0.64	-4.73	-0.31	0.01	0.15	0.0
		-1.92	0.03	-1.26e-04	0.0	40.0	0.64	-4.85	-0.31	0.01	0.03	-1.92
80	124	0.0	0.06	-7.28e-06	-0.13	0.0	5.45	-0.60	-0.11	6.64e-05	0.06	0.0
		-0.26	0.02	3.56e-05	0.0	40.0	5.45	-0.72	-0.11	6.64e-05	0.02	-0.26
80	127	0.0	-3.61e-03	-1.61e-05	-0.13	0.0	-4.36	-0.29	0.47	0.01	-0.19	0.0
		-0.14	-0.19	-3.98e-05	0.0	40.0	-4.36	-0.42	0.47	0.01	-3.61e-03	-0.14
80	129	0.75	-0.01	-1.61e-04	-0.13	0.0	-3.80	1.95	0.70	8.09e-03	-0.29	0.0
		0.0	-0.29	3.88e-05	0.0	40.0	-3.80	1.82	0.70	8.09e-03	-0.01	0.75
80	130	0.0	0.16	1.38e-04	-0.13	0.0	4.89	-2.84	-0.34	3.80e-03	0.16	0.0
		-1.16	0.03	-4.30e-05	0.0	40.0	4.89	-2.96	-0.34	3.80e-03	0.03	-1.16
80	145	1.73	-0.02	3.53e-05	-0.13	0.0	0.44	4.38	0.73	-2.46e-03	-0.31	0.0
		0.0	-0.31	1.38e-04	0.0	40.0	0.44	4.25	0.73	-2.46e-03	-0.02	1.73
80	146	0.0	0.18	-5.88e-05	-0.13	0.0	0.66	-5.27	-0.37	0.01	0.18	0.0
		-2.13	0.03	-1.42e-04	0.0	40.0	0.66	-5.39	-0.37	0.01	0.03	-2.13
80	156	0.0	0.08	-6.33e-06	-0.13	0.0	6.06	-0.62	-0.15	-6.63e-04	0.08	0.0
		-0.27	0.02	4.01e-05	0.0	40.0	6.06	-0.75	-0.15	-6.63e-04	0.02	-0.27
80	159	0.0	-4.89e-03	-1.71e-05	-0.13	0.0	-4.97	-0.27	0.51	0.01	-0.21	0.0
		-0.13	-0.21	-4.43e-05	0.0	40.0	-4.97	-0.39	0.51	0.01	-4.89e-03	-0.13
80	161	0.88	-0.02	-1.80e-04	-0.13	0.0	-4.34	2.26	0.76	8.37e-03	-0.32	0.0
		0.0	-0.32	4.44e-05	0.0	40.0	-4.34	2.14	0.76	8.37e-03	-0.02	0.88
80	162	0.0	0.19	1.56e-04	-0.13	0.0	5.43	-3.15	-0.40	3.53e-03	0.19	0.0
		-1.29	0.03	-4.86e-05	0.0	40.0	5.43	-3.28	-0.40	3.53e-03	0.03	-1.29
80	177	1.73	-0.02	4.33e-05	-0.13	0.0	0.41	4.40	0.73	-1.86e-03	-0.31	0.0
		0.0	-0.31	1.37e-04	0.0	40.0	0.41	4.27	0.73	-1.86e-03	-0.02	1.73
80	178	0.0	0.18	-6.67e-05	-0.13	0.0	0.69	-5.29	-0.37	0.01	0.18	0.0
		-2.14	0.03	-1.41e-04	0.0	40.0	0.69	-5.41	-0.37	0.01	0.03	-2.14
80	181	1.69	-0.02	-5.77e-04	-0.13	0.0	-0.09	4.30	0.76	1.08e-03	-0.32	0.0
		0.0	-0.32	1.53e-04	0.0	40.0	-0.09	4.17	0.76	1.08e-03	-0.02	1.69
80	182	0.0	0.19	5.53e-04	-0.13	0.0	1.18	-5.19	-0.40	0.01	0.19	0.0
		-2.10	0.03	-1.57e-04	0.0	40.0	1.18	-5.31	-0.40	0.01	0.03	-2.10
80	188	0.0	0.07	-1.91e-06	-0.13	0.0	5.94	-0.66	-0.14	-3.61e-04	0.07	0.0
		-0.29	0.02	3.77e-05	0.0	40.0	5.94	-0.79	-0.14	-3.61e-04	0.02	-0.29
80	191	0.0	-4.86e-03	-2.15e-05	-0.13	0.0	-4.85	-0.23	0.50	0.01	-0.21	0.0
		-0.12	-0.21	-4.19e-05	0.0	40.0	-4.85	-0.35	0.50	0.01	-4.86e-03	-0.12
80	213	2.09	-0.03	-6.71e-04	-0.13	0.0	-0.21	5.29	0.87	3.59e-04	-0.37	0.0
		0.0	-0.37	1.86e-04	0.0	40.0	-0.21	5.17	0.87	3.59e-04	-0.03	2.09
80	214	0.0	0.24	6.47e-04	-0.13	0.0	1.30	-6.18	-0.51	0.01	0.24	0.0
		-2.50	0.04	-1.90e-04	0.0	40.0	1.30	-6.31	-0.51	0.01	0.04	-2.50
80	217	2.11	-0.02	-6.86e-04	-0.13	0.0	0.18	5.35	0.86	-2.39e-03	-0.37	0.0
		0.0	-0.37	1.77e-04	0.0	40.0	0.18	5.22	0.86	-2.39e-03	-0.02	2.11
80	218	0.0	0.24	6.62e-04	-0.13	0.0	0.91	-6.24	-0.50	0.01	0.24	0.0
		-2.52	0.04	-1.81e-04	0.0	40.0	0.91	-6.36	-0.50	0.01	0.04	-2.52
80	220	0.0	0.10	2.91e-06	-0.13	0.0	6.81	-0.73	-0.20	-1.30e-03	0.10	0.0
		-0.32	0.02	4.31e-05	0.0	40.0	6.81	-0.86	-0.20	-1.30e-03	0.02	-0.32
80	223	0.0	-6.83e-03	-2.63e-05	-0.13	0.0	-5.72	-0.16	0.56	0.01	-0.23	0.0
		-0.09	-0.23	-4.73e-05	0.0	40.0	-5.72	-0.28	0.56	0.01	-6.83e-03	-0.09
81	3	-0.07	0.04	-2.71e-05	-0.16	0.0	2.91	1.03	0.07	9.05e-03	0.01	-0.45
		-0.45	0.01	0.0	0.0	40.0	2.91	0.87	0.07	9.05e-03	0.04	-0.07
81	18	-3.85e-03	0.04	-3.17e-05	-0.16	0.0	3.11	0.91	0.06	8.68e-03	0.01	-0.34
		-0.34	0.01	1.74e-06	0.0	40.0	3.11	0.75	0.06	8.68e-03	0.04	-3.85e-03
81	33	0.24	0.04	-4.22e-05	-0.16	0.0	0.64	0.70	0.09	7.65e-03	4.86e-03	-0.01
		-0.01	4.86e-03	-3.30e-06	0.0	40.0	0.64	0.54	0.09	7.65e-03	0.04	0.24
81	44	0.13	0.06	-3.35e-05	-0.16	0.0	0.85	1.04	0.13	9.08e-03	4.87e-03	-0.25
		-0.25	4.87e-03	-4.78e-06	0.0	40.0	0.85	0.88	0.13	9.08e-03	0.06	0.13
81	45	0.11	0.03	-3.09e-05	-0.13	0.0	-0.57	0.40	0.08	4.94e-03	9.43e-05	-0.02
		-0.02	9.43e-05	-4.60e-06	0.0	40.0	-0.57	0.27	0.08	4.94e-03	0.03	0.11
81	67	-0.04	0.03	-2.23e-05	-0.13	0.0	1.99	0.71	0.05	6.57e-03	9.25e-03	-0.30
		-0.30	9.25e-03	0.0	0.0	40.0	1.99	0.59	0.05	6.57e-03	0.03	-0.04
81	75	4.26e-03	0.03	-2.54e-05	-0.13	0.0	2.12	0.63	0.04	6.32e-03	0.01	-0.22
		-0.22	0.01	1.05e-06	0.0	40.0	2.12	0.51	0.04	6.32e-03	0.03	4.26e-03
81	81	0.16	0.03	-3.24e-05	-0.13	0.0	0.48	0.49	0.06	5.63e-03	3.79e-03	-7.55e-03
		-7.55e-03	3.79e-03	-2.30e-06	0.0	40.0	0.48	0.37	0.06	5.63e-03	0.03	0.16
81	85	0.09	0.03	-3.01e-05	-0.13	0.0	-0.08	0.41	0.07	5.04e-03	1.92e-03	-0.05
		-0.05	1.92e-03	-3.34e-06	0.0	40.0	-0.08	0.28	0.07	5.04e-03	0.03	0.09
81	88	0.09	0.04	-2.66e-05	-0.13	0.0	0.61	0.72	0.09	6.59e-03	3.79e-03	-0.17

		-0.17	3.79e-03	-3.29e-06	0.0	40.0	0.61	0.60	0.09	6.59e-03	0.04	0.09
81	98	2.63e-03	0.03	-2.47e-05	-0.13	0.0	1.33	0.63	0.06	6.12e-03	6.72e-03	-0.22
		-0.22	6.72e-03	0.0	0.0	40.0	1.33	0.50	0.06	6.12e-03	0.03	2.63e-03
81	99	0.06	0.02	-3.00e-05	-0.13	0.0	0.79	0.39	0.04	5.03e-03	5.25e-03	-0.07
		-0.07	5.25e-03	0.0	0.0	40.0	0.79	0.26	0.04	5.03e-03	0.02	0.06
81	103	-2.43e-04	0.03	-2.53e-05	-0.13	0.0	1.38	0.58	0.05	5.92e-03	7.11e-03	-0.21
		-0.21	7.11e-03	0.0	0.0	40.0	1.38	0.46	0.05	5.92e-03	0.03	-2.43e-04
81	104	0.05	0.02	-2.96e-05	-0.13	0.0	0.58	0.38	0.05	4.93e-03	4.49e-03	-0.07
		-0.07	4.49e-03	-1.32e-06	0.0	40.0	0.58	0.25	0.05	4.93e-03	0.02	0.05
81	105	0.02	0.03	-2.55e-05	-0.13	0.0	1.08	0.60	0.06	5.98e-03	5.85e-03	-0.20
		-0.20	5.85e-03	-1.29e-06	0.0	40.0	1.08	0.48	0.06	5.98e-03	0.03	0.02
81	106	0.04	0.02	-2.95e-05	-0.13	0.0	0.75	0.37	0.04	4.90e-03	5.13e-03	-0.08
		-0.08	5.13e-03	0.0	0.0	40.0	0.75	0.24	0.04	4.90e-03	0.02	0.04
81	107	8.66e-03	0.03	-2.54e-05	-0.13	0.0	1.25	0.59	0.05	5.95e-03	6.49e-03	-0.20
		-0.20	6.49e-03	0.0	0.0	40.0	1.25	0.47	0.05	5.95e-03	0.03	8.66e-03
81	112	3.97	0.03	-1.07e-04	-0.13	0.0	5.64	6.22	0.10	5.16e-04	-7.54e-03	1.15
		1.15	-7.54e-03	1.33e-04	0.0	40.0	5.64	6.09	0.10	5.16e-04	0.03	3.97
81	115	-1.55	0.03	5.59e-05	-0.13	0.0	-3.15	-5.03	0.01	0.01	0.02	-1.55
		-3.95	0.02	-1.35e-04	0.0	40.0	-3.15	-5.16	0.01	0.01	0.03	-3.95
81	117	3.75	0.04	-5.27e-05	-0.13	0.0	3.32	5.92	0.14	1.13e-03	-0.02	1.41
		1.41	-0.02	1.33e-04	0.0	40.0	3.32	5.80	0.14	1.13e-03	0.04	3.75
81	124	-0.08	0.02	-7.28e-05	-0.13	0.0	6.41	0.48	-1.59e-03	6.64e-05	0.02	-0.26
		-0.26	0.02	3.58e-05	0.0	40.0	6.41	0.36	-1.59e-03	6.64e-05	0.02	-0.08
81	125	2.23	0.04	-3.11e-05	-0.13	0.0	-1.79	3.76	0.15	7.95e-03	-0.01	0.78
		0.78	-0.01	4.02e-05	0.0	40.0	-1.79	3.63	0.15	7.95e-03	0.04	2.23
81	127	0.09	0.04	2.20e-05	-0.13	0.0	-3.92	0.70	0.11	0.01	-3.61e-03	-0.14
		-0.14	-3.61e-03	-3.74e-05	0.0	40.0	-3.92	0.58	0.11	0.01	0.04	0.09
81	144	4.47	0.03	-1.17e-04	-0.13	0.0	6.20	6.93	0.10	-1.58e-04	-9.33e-03	1.32
		1.32	-9.33e-03	1.50e-04	0.0	40.0	6.20	6.81	0.10	-1.58e-04	0.03	4.47
81	147	-1.72	0.02	6.64e-05	-0.13	0.0	-3.71	-5.75	5.51e-03	0.01	0.02	-1.72
		-4.45	0.02	-1.52e-04	0.0	40.0	-3.71	-5.87	5.51e-03	0.01	0.02	-4.45
81	149	4.24	0.04	-5.64e-05	-0.13	0.0	3.61	6.63	0.15	5.71e-04	-0.02	1.62
		1.62	-0.02	1.51e-04	0.0	40.0	3.61	6.50	0.15	5.71e-04	0.04	4.24
81	156	-0.09	0.02	-7.85e-05	-0.13	0.0	7.06	0.46	-8.49e-03	-6.63e-04	0.02	-0.27
		-0.27	0.01	4.02e-05	0.0	40.0	7.06	0.33	-8.49e-03	-6.63e-04	0.01	-0.09
81	157	2.52	0.05	-3.22e-05	-0.13	0.0	-2.16	4.17	0.16	8.20e-03	-0.02	0.90
		0.90	-0.02	4.57e-05	0.0	40.0	-2.16	4.04	0.16	8.20e-03	0.05	2.52
81	159	0.11	0.04	2.77e-05	-0.13	0.0	-4.56	0.72	0.12	0.01	-4.89e-03	-0.13
		-0.13	-4.89e-03	-4.18e-05	0.0	40.0	-4.56	0.60	0.12	0.01	0.04	0.11
81	176	4.49	0.03	-1.22e-04	-0.13	0.0	6.20	6.97	0.10	3.24e-04	-9.44e-03	1.32
		1.32	-9.44e-03	1.50e-04	0.0	40.0	6.20	6.84	0.10	3.24e-04	0.03	4.49
81	179	-1.73	0.02	7.10e-05	-0.13	0.0	-3.71	-5.78	4.76e-03	0.01	0.02	-1.73
		-4.48	0.02	-1.52e-04	0.0	40.0	-3.71	-5.91	4.76e-03	0.01	0.02	-4.48
81	181	4.40	0.04	-5.91e-05	-0.13	0.0	3.77	6.85	0.15	1.08e-03	-0.02	1.69
		1.69	-0.02	1.55e-04	0.0	40.0	3.77	6.73	0.15	1.08e-03	0.04	4.40
81	188	-0.13	0.02	-7.76e-05	-0.13	0.0	6.96	0.42	-7.42e-03	-3.61e-04	0.02	-0.29
		-0.29	0.01	3.78e-05	0.0	40.0	6.96	0.29	-7.42e-03	-3.61e-04	0.01	-0.13
81	189	2.57	0.05	-3.54e-05	-0.13	0.0	-2.06	4.23	0.16	8.23e-03	-0.02	0.92
		0.92	-0.02	4.77e-05	0.0	40.0	-2.06	4.10	0.16	8.23e-03	0.05	2.57
81	191	0.15	0.04	2.68e-05	-0.13	0.0	-4.47	0.77	0.12	0.01	-4.86e-03	-0.12
		-0.12	-4.86e-03	-3.94e-05	0.0	40.0	-4.47	0.64	0.12	0.01	0.04	0.15
81	213	5.33	0.04	-6.75e-05	-0.13	0.0	4.36	8.17	0.17	3.59e-04	-0.03	2.09
		2.09	-0.03	1.88e-04	0.0	40.0	4.36	8.04	0.17	3.59e-04	0.04	5.33
81	216	5.37	0.03	-6.64e-05	-0.13	0.0	7.04	8.21	0.12	1.27e-04	-0.01	1.63
		1.63	-0.01	1.93e-04	0.0	40.0	7.04	8.08	0.12	1.27e-04	0.03	5.37
81	219	-2.04	0.03	1.66e-05	-0.13	0.0	-4.55	-7.02	-8.69e-03	0.01	0.03	-2.04
		-5.35	0.02	-1.94e-04	0.0	40.0	-4.55	-7.15	-8.69e-03	0.01	0.02	-5.35
81	220	-0.18	0.02	-8.60e-05	-0.13	0.0	7.89	0.35	-0.02	-1.30e-03	0.02	-0.32
		-0.32	0.01	4.30e-05	0.0	40.0	7.89	0.23	-0.02	-1.30e-03	0.01	-0.18
81	223	0.20	0.04	3.52e-05	-0.13	0.0	-5.40	0.83	0.13	0.01	-6.83e-03	-0.09
		-0.09	-6.83e-03	-4.46e-05	0.0	40.0	-5.40	0.71	0.13	0.01	0.04	0.20
81	225	3.07	0.05	-1.70e-05	-0.13	0.0	-2.58	4.94	0.18	8.80e-03	-0.02	1.15
		1.15	-0.02	6.25e-05	0.0	40.0	-2.58	4.81	0.18	8.80e-03	0.05	3.07
82	7	0.28	0.03	-2.15e-05	-0.13	0.0	2.27	0.97	-0.16	7.22e-03	0.03	-0.08
		-0.08	-0.03	4.95e-06	0.0	40.0	2.27	0.85	-0.16	7.22e-03	-0.03	0.28
82	18	0.36	0.04	-3.24e-05	-0.16	0.0	2.82	0.99	-0.22	8.68e-03	0.04	-3.85e-03
		-3.85e-03	-0.05	6.41e-06	0.0	40.0	2.82	0.82	-0.22	8.68e-03	-0.05	0.36
82	19	0.08	0.01	-2.97e-05	-0.13	0.0	1.60	0.31	-0.16	4.53e-03	0.01	-0.02
		-0.02	-0.05	4.22e-06	0.0	40.0	1.60	0.18	-0.16	4.53e-03	-0.05	0.08
82	35	0.57	0.06	-3.24e-05	-0.16	0.0	1.42	1.07	0.03	9.48e-03	0.05	0.17
		0.17	0.05	1.56e-06	0.0	40.0	1.42	0.91	0.03	9.48e-03	0.06	0.57
82	44	0.52	0.11	-3.18e-05	-0.16	0.0	0.85	1.05	0.12	9.08e-03	0.06	0.13
		0.13	0.06	0.0	0.0	40.0	0.85	0.89	0.12	9.08e-03	0.11	0.52
82	45	0.24	0.10	-2.91e-05	-0.13	0.0	-0.37	0.37	0.18	4.94e-03	0.03	0.11
		0.11	0.03	-2.41e-06	0.0	40.0	-0.37	0.25	0.18	4.94e-03	0.10	0.24

82	67	0.25	0.03	-2.37e-05	-0.13	0.0	1.82	0.80	-0.12	6.57e-03	0.03	-0.04
		-0.04	-0.02	3.88e-06	0.0	40.0	1.82	0.68	-0.12	6.57e-03	-0.02	0.25
82	72	0.12	0.02	-2.92e-05	-0.13	0.0	1.37	0.36	-0.13	4.77e-03	0.02	3.43e-04
		3.43e-04	-0.03	3.39e-06	0.0	40.0	1.37	0.23	-0.13	4.77e-03	-0.03	0.12
82	75	0.25	0.03	-2.58e-05	-0.13	0.0	1.94	0.68	-0.15	6.32e-03	0.03	4.26e-03
		4.26e-03	-0.03	4.40e-06	0.0	40.0	1.94	0.56	-0.15	6.32e-03	-0.03	0.25
82	83	0.39	0.04	-2.58e-05	-0.13	0.0	1.01	0.74	0.01	6.85e-03	0.04	0.12
		0.12	0.04	1.17e-06	0.0	40.0	1.01	0.62	0.01	6.85e-03	0.04	0.39
82	85	0.23	0.07	-2.88e-05	-0.13	0.0	0.05	0.40	0.10	5.04e-03	0.03	0.09
		0.09	0.03	-1.16e-06	0.0	40.0	0.05	0.28	0.10	5.04e-03	0.07	0.23
82	88	0.36	0.07	-2.53e-05	-0.13	0.0	0.63	0.73	0.08	6.59e-03	0.04	0.09
		0.09	0.04	0.0	0.0	40.0	0.63	0.60	0.08	6.59e-03	0.07	0.36
82	101	0.26	0.03	-2.59e-05	-0.13	0.0	1.22	0.65	-0.07	6.08e-03	0.03	0.03
		0.03	1.11e-03	2.32e-06	0.0	40.0	1.22	0.53	-0.07	6.08e-03	1.11e-03	0.26
82	102	0.16	0.02	-2.90e-05	-0.13	0.0	0.89	0.38	-0.07	4.87e-03	0.02	0.04
		0.04	-5.97e-03	1.90e-06	0.0	40.0	0.89	0.25	-0.07	4.87e-03	-5.97e-03	0.16
82	103	0.23	0.03	-2.58e-05	-0.13	0.0	1.30	0.64	-0.08	5.92e-03	0.03	-2.43e-04
		-2.43e-04	-5.83e-03	2.64e-06	0.0	40.0	1.30	0.51	-0.08	5.92e-03	-5.83e-03	0.23
82	104	0.18	0.02	-2.90e-05	-0.13	0.0	0.63	0.39	-0.02	4.93e-03	0.02	0.05
		0.05	0.01	1.02e-06	0.0	40.0	0.63	0.26	-0.02	4.93e-03	0.01	0.18
82	105	0.25	0.03	-2.57e-05	-0.13	0.0	1.04	0.65	-0.04	5.98e-03	0.03	0.02
		0.02	0.01	1.76e-06	0.0	40.0	1.04	0.52	-0.04	5.98e-03	0.01	0.25
82	106	0.17	0.02	-2.90e-05	-0.13	0.0	0.77	0.38	-0.05	4.90e-03	0.02	0.04
		0.04	9.58e-04	1.52e-06	0.0	40.0	0.77	0.26	-0.05	4.90e-03	9.58e-04	0.17
82	107	0.24	0.03	-2.58e-05	-0.13	0.0	1.18	0.64	-0.07	5.95e-03	0.03	8.66e-03
		8.66e-03	1.10e-03	2.26e-06	0.0	40.0	1.18	0.52	-0.07	5.95e-03	1.10e-03	0.24
82	112	6.12	0.03	-1.36e-04	-0.13	0.0	4.85	5.45	-0.11	5.16e-04	0.03	3.97
		3.97	-0.03	1.37e-04	0.0	40.0	4.85	5.32	-0.11	5.16e-04	-0.03	6.12
82	115	-3.95	0.03	8.43e-05	-0.13	0.0	-2.48	-4.16	-0.02	0.01	0.03	-3.95
		-5.64	0.03	-1.32e-04	0.0	40.0	-2.48	-4.29	-0.02	0.01	0.03	-5.64
82	124	0.13	0.02	-8.62e-05	-0.13	0.0	5.41	0.52	-0.16	6.64e-05	0.02	-0.08
		-0.08	-0.05	3.76e-05	0.0	40.0	5.41	0.39	-0.16	6.64e-05	-0.05	0.13
82	127	0.35	0.06	3.46e-05	-0.13	0.0	-3.04	0.77	0.03	0.01	0.04	0.09
		0.09	0.04	-3.31e-05	0.0	40.0	-3.04	0.64	0.03	0.01	0.06	0.35
82	144	6.86	0.03	-1.50e-04	-0.13	0.0	5.31	6.06	-0.12	-1.58e-04	0.03	4.47
		4.47	-0.03	1.54e-04	0.0	40.0	5.31	5.93	-0.12	-1.58e-04	-0.03	6.86
82	147	-4.45	0.03	9.84e-05	-0.13	0.0	-2.94	-4.77	-0.02	0.01	0.02	-4.45
		-6.38	0.02	-1.49e-04	0.0	40.0	-2.94	-4.90	-0.02	0.01	0.03	-6.38
82	156	0.10	0.01	-9.37e-05	-0.13	0.0	5.93	0.50	-0.18	-6.63e-04	0.01	-0.09
		-0.09	-0.06	4.18e-05	0.0	40.0	5.93	0.37	-0.18	-6.63e-04	-0.06	0.10
82	159	0.38	0.06	4.21e-05	-0.13	0.0	-3.56	0.79	0.04	0.01	0.04	0.11
		0.11	0.04	-3.73e-05	0.0	40.0	-3.56	0.67	0.04	0.01	0.06	0.38
82	176	6.90	0.03	-1.54e-04	-0.13	0.0	5.31	6.09	-0.12	3.24e-04	0.03	4.49
		4.49	-0.03	1.53e-04	0.0	40.0	5.31	5.97	-0.12	3.24e-04	-0.03	6.90
82	179	-4.48	0.03	1.02e-04	-0.13	0.0	-2.94	-4.81	-0.02	0.01	0.02	-4.48
		-6.42	0.02	-1.49e-04	0.0	40.0	-2.94	-4.93	-0.02	0.01	0.03	-6.42
82	188	0.06	0.01	-9.32e-05	-0.13	0.0	5.85	0.47	-0.17	-3.61e-04	0.01	-0.13
		-0.13	-0.06	3.94e-05	0.0	40.0	5.85	0.34	-0.17	-3.61e-04	-0.06	0.06
82	191	0.42	0.06	4.16e-05	-0.13	0.0	-3.48	0.82	0.04	0.01	0.04	0.15
		0.15	0.04	-3.49e-05	0.0	40.0	-3.48	0.69	0.04	0.01	0.06	0.42
82	216	8.20	0.03	-1.61e-04	-0.13	0.0	5.84	7.15	-0.12	1.27e-04	0.03	5.37
		5.37	-0.03	1.96e-04	0.0	40.0	5.84	7.03	-0.12	1.27e-04	-0.03	8.20
82	219	-5.35	0.03	1.09e-04	-0.13	0.0	-3.47	-5.87	-0.02	0.01	0.02	-5.35
		-7.72	0.02	-1.92e-04	0.0	40.0	-3.47	-5.99	-0.02	0.01	0.03	-7.72
82	220	-0.01	0.01	-1.04e-04	-0.13	0.0	6.61	0.42	-0.19	-1.30e-03	0.01	-0.18
		-0.18	-0.07	4.44e-05	0.0	40.0	6.61	0.29	-0.19	-1.30e-03	-0.07	-0.01
82	223	0.49	0.07	5.29e-05	-0.13	0.0	-4.24	0.87	0.06	0.01	0.04	0.20
		0.20	0.04	-3.98e-05	0.0	40.0	-4.24	0.75	0.06	0.01	0.07	0.49
83	4	0.69	0.01	-2.16e-05	-0.24	0.0	2.54	0.53	0.07	9.54e-03	-0.03	0.44
		0.44	-0.03	2.63e-06	0.0	60.0	2.54	0.28	0.07	9.54e-03	0.01	0.69
83	19	0.34	0.02	-4.48e-05	-0.19	0.0	0.70	0.53	0.12	4.53e-03	-0.05	0.08
		0.08	-0.05	-2.91e-06	0.0	60.0	0.70	0.34	0.12	4.53e-03	0.02	0.34
83	35	0.75	0.06	-2.28e-05	-0.24	0.0	1.53	0.43	-0.14	9.48e-03	0.06	0.57
		0.57	-0.02	1.23e-05	0.0	60.0	1.53	0.18	-0.14	9.48e-03	-0.02	0.75
83	44	0.73	0.11	-2.39e-05	-0.24	0.0	1.05	0.46	-0.24	9.08e-03	0.11	0.52
		0.52	-0.04	1.69e-05	0.0	60.0	1.05	0.22	-0.24	9.08e-03	-0.04	0.73
83	45	0.44	0.10	-3.73e-05	-0.19	0.0	-0.54	0.43	-0.24	4.94e-03	0.10	0.24
		0.24	-0.04	1.40e-05	0.0	60.0	-0.54	0.24	-0.24	4.94e-03	-0.04	0.44
83	68	0.50	0.01	-2.08e-05	-0.19	0.0	1.67	0.42	0.05	6.89e-03	-0.02	0.31
		0.31	-0.02	1.92e-06	0.0	60.0	1.67	0.23	0.05	6.89e-03	0.01	0.50
83	72	0.36	0.01	-4.19e-05	-0.19	0.0	0.62	0.50	0.08	4.77e-03	-0.03	0.12
		0.12	-0.03	-1.19e-06	0.0	60.0	0.62	0.32	0.08	4.77e-03	0.01	0.36
83	83	0.55	0.04	-2.16e-05	-0.19	0.0	0.99	0.35	-0.09	6.85e-03	0.04	0.39
		0.39	-0.01	8.38e-06	0.0	60.0	0.99	0.16	-0.09	6.85e-03	-0.01	0.55
83	85	0.43	0.07	-3.68e-05	-0.19	0.0	-0.20	0.44	-0.16	5.04e-03	0.07	0.23

		0.23	-0.03	1.01e-05	0.0	60.0	-0.20	0.25	-0.16	5.04e-03	-0.03	0.43
83	88	0.53	0.07	-2.23e-05	-0.19	0.0	0.67	0.38	-0.16	6.59e-03	0.07	0.36
		0.36	-0.02	1.14e-05	0.0	60.0	0.67	0.19	-0.16	6.59e-03	-0.02	0.53
83	98	0.46	1.74e-03	-2.65e-05	-0.19	0.0	1.00	0.44	1.04e-03	6.12e-03	1.12e-03	0.25
		0.25	1.12e-03	3.12e-06	0.0	60.0	1.00	0.26	1.04e-03	6.12e-03	1.74e-03	0.46
83	101	0.47	1.71e-03	-2.76e-05	-0.19	0.0	0.95	0.43	1.00e-03	6.08e-03	1.11e-03	0.26
		0.26	1.11e-03	3.03e-06	0.0	60.0	0.95	0.25	1.00e-03	6.08e-03	1.71e-03	0.47
83	102	0.39	3.94e-03	-3.99e-05	-0.19	0.0	0.34	0.48	0.02	4.87e-03	-5.97e-03	0.16
		0.16	-5.97e-03	1.33e-06	0.0	60.0	0.34	0.29	0.02	4.87e-03	3.94e-03	0.39
83	104	0.40	0.01	-3.88e-05	-0.19	0.0	0.17	0.46	-0.03	4.93e-03	0.01	0.18
		0.18	-4.08e-03	3.59e-06	0.0	60.0	0.17	0.27	-0.03	4.93e-03	-4.08e-03	0.40
83	105	0.46	0.01	-2.78e-05	-0.19	0.0	0.80	0.44	-0.03	5.98e-03	0.01	0.25
		0.25	-3.66e-03	4.58e-06	0.0	60.0	0.80	0.25	-0.03	5.98e-03	-3.66e-03	0.46
83	106	0.40	1.26e-03	-3.93e-05	-0.19	0.0	0.27	0.47	5.08e-04	4.90e-03	9.58e-04	0.17
		0.17	9.58e-04	1.97e-06	0.0	60.0	0.27	0.28	5.08e-04	4.90e-03	1.26e-03	0.40
83	107	0.45	1.68e-03	-2.83e-05	-0.19	0.0	0.90	0.45	9.62e-04	5.95e-03	1.10e-03	0.24
		0.24	1.10e-03	2.96e-06	0.0	60.0	0.90	0.26	9.62e-04	5.95e-03	1.68e-03	0.45
83	108	5.04	0.02	-3.32e-05	-0.19	0.0	12.31	-3.24	0.07	-1.69e-03	-0.03	5.04
		3.04	-0.03	1.96e-04	0.0	60.0	12.31	-3.42	0.07	-1.69e-03	0.02	3.04
83	111	-2.14	0.03	-2.72e-05	-0.19	0.0	-10.51	4.13	-0.07	0.01	0.03	-4.56
		-4.56	-0.01	-1.91e-04	0.0	60.0	-10.51	3.94	-0.07	0.01	-0.01	-2.14
83	112	6.12	0.01	-3.08e-05	-0.19	0.0	12.07	-4.06	0.06	5.16e-04	-0.03	6.12
		3.62	-0.03	2.05e-04	0.0	60.0	12.07	-4.25	0.06	5.16e-04	0.01	3.62
83	115	-2.72	0.03	-3.45e-05	-0.19	0.0	-10.27	4.96	-0.06	0.01	0.03	-5.64
		-5.64	-9.67e-03	-1.99e-04	0.0	60.0	-10.27	4.77	-0.06	0.01	-9.67e-03	-2.72
83	124	0.39	0.03	-5.75e-05	-0.19	0.0	8.05	0.54	0.13	6.65e-05	-0.05	0.13
		0.13	-0.05	4.79e-05	0.0	60.0	8.05	0.35	0.13	6.65e-05	0.03	0.39
83	127	0.51	0.06	-1.62e-06	-0.19	0.0	-6.25	0.36	-0.13	0.01	0.06	0.35
		0.35	-0.02	-4.20e-05	0.0	60.0	-6.25	0.17	-0.13	0.01	-0.02	0.51
83	140	5.65	0.02	-3.46e-05	-0.19	0.0	13.76	-3.70	0.08	-2.64e-03	-0.03	5.65
		3.37	-0.03	2.21e-04	0.0	60.0	13.76	-3.89	0.08	-2.64e-03	0.02	3.37
83	143	-2.46	0.04	-2.72e-05	-0.19	0.0	-11.96	4.60	-0.08	0.01	0.04	-5.17
		-5.17	-0.01	-2.15e-04	0.0	60.0	-11.96	4.41	-0.08	0.01	-0.01	-2.46
83	144	6.86	0.01	-3.22e-05	-0.19	0.0	13.49	-4.64	0.07	-1.58e-04	-0.03	6.86
		4.03	-0.03	2.30e-04	0.0	60.0	13.49	-4.83	0.07	-1.58e-04	0.01	4.03
83	147	-3.12	0.03	-3.55e-05	-0.19	0.0	-11.70	5.53	-0.07	0.01	0.03	-6.38
		-6.38	-0.01	-2.25e-04	0.0	60.0	-11.70	5.35	-0.07	0.01	-0.01	-3.12
83	156	0.38	0.03	-6.12e-05	-0.19	0.0	8.96	0.55	0.15	-6.63e-04	-0.06	0.10
		0.10	-0.06	5.32e-05	0.0	60.0	8.96	0.37	0.15	-6.63e-04	0.03	0.38
83	159	0.53	0.06	4.58e-06	-0.19	0.0	-7.16	0.34	-0.15	0.01	0.06	0.38
		0.38	-0.03	-4.73e-05	0.0	60.0	-7.16	0.15	-0.15	0.01	-0.03	0.53
83	172	5.66	0.02	-3.12e-05	-0.19	0.0	13.82	-3.71	0.08	-2.06e-03	-0.03	5.66
		3.38	-0.03	2.19e-04	0.0	60.0	13.82	-3.90	0.08	-2.06e-03	0.02	3.38
83	175	-2.47	0.04	-3.21e-05	-0.19	0.0	-12.02	4.61	-0.08	0.01	0.04	-5.18
		-5.18	-0.01	-2.13e-04	0.0	60.0	-12.02	4.42	-0.08	0.01	-0.01	-2.47
83	176	6.90	0.01	-2.90e-05	-0.19	0.0	13.59	-4.67	0.07	3.24e-04	-0.03	6.90
		4.04	-0.03	2.30e-04	0.0	60.0	13.59	-4.85	0.07	3.24e-04	0.01	4.04
83	179	-3.14	0.03	-4.10e-05	-0.19	0.0	-11.79	5.56	-0.07	0.01	0.03	-6.42
		-6.42	-0.01	-2.24e-04	0.0	60.0	-11.79	5.38	-0.07	0.01	-0.01	-3.14
83	188	0.35	0.03	-5.99e-05	-0.19	0.0	8.98	0.59	0.15	-3.61e-04	-0.06	0.06
		0.06	-0.06	4.97e-05	0.0	60.0	8.98	0.40	0.15	-3.61e-04	0.03	0.35
83	191	0.55	0.06	3.32e-06	-0.19	0.0	-7.18	0.31	-0.15	0.01	0.06	0.42
		0.42	-0.03	-4.38e-05	0.0	60.0	-7.18	0.12	-0.15	0.01	-0.03	0.55
83	212	6.72	0.02	-2.33e-05	-0.19	0.0	16.40	-4.53	0.09	-2.63e-03	-0.04	6.72
		3.95	-0.04	2.80e-04	0.0	60.0	16.40	-4.71	0.09	-2.63e-03	0.02	3.95
83	215	-3.04	0.04	-5.05e-05	-0.19	0.0	-14.60	5.42	-0.09	0.01	0.04	-6.24
		-6.24	-0.01	-2.74e-04	0.0	60.0	-14.60	5.23	-0.09	0.01	-0.01	-3.04
83	216	8.20	0.01	-2.23e-05	-0.19	0.0	16.15	-5.66	0.08	1.27e-04	-0.03	8.20
		4.75	-0.03	2.94e-04	0.0	60.0	16.15	-5.85	0.08	1.27e-04	0.01	4.75
83	219	-3.84	0.03	-6.13e-05	-0.19	0.0	-14.36	6.56	-0.07	0.01	0.03	-7.72
		-7.72	-0.01	-2.88e-04	0.0	60.0	-14.36	6.37	-0.07	0.01	-0.01	-3.84
83	220	0.32	0.03	-6.46e-05	-0.19	0.0	10.42	0.64	0.17	-1.30e-03	-0.07	0.32
		-0.01	-0.07	5.56e-05	0.0	60.0	10.42	0.46	0.17	-1.30e-03	0.03	0.32
83	223	0.59	0.07	8.00e-06	-0.19	0.0	-8.62	0.25	-0.17	0.01	0.07	0.49
		0.49	-0.03	-4.96e-05	0.0	60.0	-8.62	0.06	-0.17	0.01	-0.03	0.59
84	7	1.06	-0.02	1.85e-05	-0.09	0.0	5.90	1.27	0.07	7.22e-03	-0.04	0.69
		0.69	-0.04	3.54e-06	0.0	30.0	5.90	1.18	0.07	7.22e-03	-0.02	1.06
84	18	1.35	-0.03	2.00e-05	-0.12	0.0	7.60	1.46	0.13	8.68e-03	-0.07	0.93
		0.93	-0.07	4.58e-06	0.0	30.0	7.60	1.34	0.13	8.68e-03	-0.03	1.35
84	28	1.43	0.08	2.68e-05	-0.12	0.0	6.11	1.77	-0.15	9.78e-03	0.08	0.91
		0.91	0.04	1.40e-06	0.0	30.0	6.11	1.65	-0.15	9.78e-03	0.04	1.43
84	45	0.99	0.14	1.11e-05	-0.09	0.0	2.89	0.82	-0.25	4.94e-03	0.14	0.76
		0.76	0.06	-1.64e-06	0.0	30.0	2.89	0.73	-0.25	4.94e-03	0.06	0.99
84	67	1.04	-0.01	1.59e-05	-0.09	0.0	5.40	1.13	0.05	6.57e-03	-0.03	0.71
		0.71	-0.03	2.77e-06	0.0	30.0	5.40	1.04	0.05	6.57e-03	-0.01	1.04

84	75	1.02	-0.02	1.41e-05	-0.09	0.0	5.59	1.05	0.08	6.32e-03	-0.05	0.72
		0.72	-0.05	3.15e-06	0.0	30.0	5.59	0.96	0.08	6.32e-03	-0.02	1.02
84	80	1.08	0.05	1.87e-05	-0.09	0.0	4.60	1.26	-0.10	7.05e-03	0.05	0.71
		0.71	0.02	1.03e-06	0.0	30.0	4.60	1.17	-0.10	7.05e-03	0.02	1.08
84	85	0.99	0.09	1.11e-05	-0.09	0.0	3.40	0.83	-0.17	5.04e-03	0.09	0.75
		0.75	0.04	0.0	0.0	30.0	3.40	0.74	-0.17	5.04e-03	0.04	0.99
84	98	1.02	-6.80e-04	1.46e-05	-0.09	0.0	4.78	1.05	8.87e-05	6.12e-03	-7.06e-04	0.72
		0.72	-7.06e-04	1.71e-06	0.0	30.0	4.78	0.96	8.87e-05	6.12e-03	-6.80e-04	1.02
84	103	1.01	-4.90e-03	1.36e-05	-0.09	0.0	4.85	1.00	0.02	5.92e-03	-9.95e-03	0.73
		0.73	-9.95e-03	1.88e-06	0.0	30.0	4.85	0.91	0.02	5.92e-03	-4.90e-03	1.01
84	104	0.97	0.02	9.84e-06	-0.09	0.0	4.11	0.79	-0.03	4.93e-03	0.02	0.75
		0.75	8.08e-03	0.0	0.0	30.0	4.11	0.70	-0.03	4.93e-03	8.08e-03	0.97
84	106	0.97	-4.25e-04	9.53e-06	-0.09	0.0	4.28	0.78	4.03e-04	4.90e-03	-5.46e-04	0.75
		0.75	-5.46e-04	1.08e-06	0.0	30.0	4.28	0.68	4.03e-04	4.90e-03	-4.25e-04	0.97
84	107	1.02	-6.43e-04	1.39e-05	-0.09	0.0	4.71	1.01	1.34e-04	5.95e-03	-6.83e-04	0.73
		0.73	-6.83e-04	1.62e-06	0.0	30.0	4.71	0.92	1.34e-04	5.95e-03	-6.43e-04	1.02
84	112	1.92	-0.02	2.40e-06	-0.09	0.0	6.78	10.84	-0.01	5.16e-04	-0.03	-1.12
		-1.12	-0.03	1.02e-04	0.0	30.0	6.78	10.75	-0.01	5.16e-04	-0.02	1.92
84	115	2.57	0.03	2.54e-05	-0.09	0.0	2.64	-8.81	0.01	0.01	0.03	2.57
		0.12	0.02	-9.83e-05	0.0	30.0	2.64	-8.91	0.01	0.01	0.02	0.12
84	124	0.99	-0.03	-9.34e-06	-0.09	0.0	7.88	0.81	0.08	6.64e-05	-0.06	0.77
		0.77	-0.06	2.57e-05	0.0	30.0	7.88	0.72	0.08	6.64e-05	-0.03	0.99
84	127	1.04	0.06	3.71e-05	-0.09	0.0	1.54	1.21	-0.08	0.01	0.06	0.68
		0.68	0.03	-2.25e-05	0.0	30.0	1.54	1.12	-0.08	0.01	0.03	1.04
84	128	0.98	-0.03	-4.80e-06	-0.09	0.0	7.88	0.68	0.08	2.03e-04	-0.06	0.79
		0.79	-0.06	2.66e-05	0.0	30.0	7.88	0.59	0.08	2.03e-04	-0.03	0.98
84	131	1.06	0.06	3.26e-05	-0.09	0.0	1.54	1.34	-0.08	0.01	0.06	0.66
		0.66	0.03	-2.33e-05	0.0	30.0	1.54	1.25	-0.08	0.01	0.03	1.06
84	144	2.03	-0.02	1.01e-06	-0.09	0.0	7.04	12.09	-0.02	-1.58e-04	-0.04	-1.35
		-1.35	-0.04	1.14e-04	0.0	30.0	7.04	12.00	-0.02	-1.58e-04	-0.02	2.03
84	147	2.80	0.04	2.68e-05	-0.09	0.0	2.38	-10.07	0.02	0.01	0.04	2.80
		2.98e-03	0.02	-1.11e-04	0.0	30.0	2.38	-10.16	0.02	0.01	0.02	2.98e-03
84	156	0.99	-0.03	-1.22e-05	-0.09	0.0	8.27	0.78	0.09	-6.63e-04	-0.07	0.78
		0.78	-0.07	2.85e-05	0.0	30.0	8.27	0.68	0.09	-6.63e-04	-0.03	0.99
84	159	1.05	0.06	4.00e-05	-0.09	0.0	1.15	1.25	-0.09	0.01	0.06	0.68
		0.68	0.03	-2.53e-05	0.0	30.0	1.15	1.16	-0.09	0.01	0.03	1.05
84	160	0.97	-0.03	-6.90e-06	-0.09	0.0	8.28	0.64	0.09	-4.99e-04	-0.07	0.80
		0.80	-0.07	2.96e-05	0.0	30.0	8.28	0.55	0.09	-4.99e-04	-0.03	0.97
84	163	1.06	0.06	3.47e-05	-0.09	0.0	1.14	1.38	-0.09	0.01	0.06	0.65
		0.65	0.03	-2.64e-05	0.0	30.0	1.14	1.29	-0.09	0.01	0.03	1.06
84	176	2.03	-0.02	3.27e-06	-0.09	0.0	7.00	12.16	-0.02	3.24e-04	-0.04	-1.36
		-1.36	-0.04	1.14e-04	0.0	30.0	7.00	12.06	-0.02	3.24e-04	-0.02	2.03
84	179	2.82	0.03	2.45e-05	-0.09	0.0	2.42	-10.13	0.02	0.01	0.03	2.82
		1.02e-03	0.02	-1.11e-04	0.0	30.0	2.42	-10.23	0.02	0.01	0.02	1.02e-03
84	188	0.98	-0.03	-1.09e-05	-0.09	0.0	8.20	0.70	0.08	-3.61e-04	-0.06	0.79
		0.79	-0.06	2.67e-05	0.0	30.0	8.20	0.61	0.08	-3.61e-04	-0.03	0.98
84	191	1.06	0.06	3.87e-05	-0.09	0.0	1.23	1.32	-0.08	0.01	0.06	0.66
		0.66	0.03	-2.35e-05	0.0	30.0	1.23	1.23	-0.08	0.01	0.03	1.06
84	192	0.97	-0.03	-4.55e-06	-0.09	0.0	8.22	0.67	0.09	-1.94e-04	-0.06	0.80
		0.80	-0.06	2.89e-05	0.0	30.0	8.22	0.57	0.09	-1.94e-04	-0.03	0.97
84	195	1.06	0.06	3.24e-05	-0.09	0.0	1.20	1.36	-0.09	0.01	0.06	0.66
		0.66	0.03	-2.57e-05	0.0	30.0	1.20	1.26	-0.09	0.01	0.03	1.06
84	216	2.23	-0.02	2.95e-05	-0.09	0.0	7.56	14.34	-0.02	1.27e-04	-0.04	-1.77
		-1.77	-0.04	1.46e-04	0.0	30.0	7.56	14.24	-0.02	1.27e-04	-0.02	2.23
84	219	3.22	0.04	-2.36e-06	-0.09	0.0	1.86	-12.31	0.02	0.01	0.04	3.22
		-0.20	0.02	-1.43e-04	0.0	30.0	1.86	-12.40	0.02	0.01	0.02	-0.20
84	220	0.96	-0.04	-1.43e-05	-0.09	0.0	8.76	0.59	0.10	-1.30e-03	-0.08	0.81
		0.81	-0.08	2.99e-05	0.0	30.0	8.76	0.50	0.10	-1.30e-03	-0.04	0.96
84	223	1.07	0.07	4.21e-05	-0.09	0.0	0.66	1.43	-0.10	0.01	0.07	0.64
		0.64	0.04	-2.67e-05	0.0	30.0	0.66	1.34	-0.10	0.01	0.04	1.07
84	224	0.97	-0.04	-6.23e-06	-0.09	0.0	8.81	0.65	0.10	-1.15e-03	-0.07	0.80
		0.80	-0.07	3.36e-05	0.0	30.0	8.81	0.55	0.10	-1.15e-03	-0.04	0.97
84	227	1.06	0.07	3.40e-05	-0.09	0.0	0.61	1.38	-0.10	0.01	0.07	0.65
		0.65	0.04	-3.03e-05	0.0	30.0	0.61	1.29	-0.10	0.01	0.04	1.06
85	18	1.68	-0.03	3.25e-05	-0.12	0.0	2.96	1.16	-0.14	8.68e-03	-0.03	1.35
		1.35	-0.07	4.70e-06	0.0	30.0	2.96	1.04	-0.14	8.68e-03	-0.07	1.68
85	19	1.06	-0.03	1.51e-05	-0.09	0.0	2.00	0.48	-0.13	4.53e-03	-0.03	0.93
		0.93	-0.07	3.13e-06	0.0	30.0	2.00	0.38	-0.13	4.53e-03	-0.07	1.06
85	28	1.85	0.08	4.00e-05	-0.12	0.0	2.37	1.46	0.14	9.78e-03	0.04	1.43
		1.43	0.04	1.28e-06	0.0	30.0	2.37	1.34	0.14	9.78e-03	0.08	1.85
85	45	1.17	0.14	1.98e-05	-0.09	0.0	1.05	0.66	0.25	4.94e-03	0.06	0.99
		0.99	0.06	-1.87e-06	0.0	30.0	1.05	0.57	0.25	4.94e-03	0.14	1.17
85	72	1.10	-0.02	1.67e-05	-0.09	0.0	1.89	0.54	-0.09	4.77e-03	-0.02	0.95
		0.95	-0.05	2.51e-06	0.0	30.0	1.89	0.45	-0.09	4.77e-03	-0.05	1.10
85	75	1.26	-0.02	2.36e-05	-0.09	0.0	2.17	0.83	-0.09	6.32e-03	-0.02	1.02

		1.02	-0.05	3.23e-06	0.0	30.0	2.17	0.74	-0.09	6.32e-03	-0.05	1.26
85	80	1.37	0.05	2.86e-05	-0.09	0.0	1.78	1.03	0.09	7.05e-03	0.02	1.08
		1.08	0.02	0.0	0.0	30.0	1.78	0.94	0.09	7.05e-03	0.05	1.37
85	85	1.17	0.09	1.98e-05	-0.09	0.0	1.26	0.66	0.16	5.04e-03	0.04	0.99
		0.99	0.04	0.0	0.0	30.0	1.26	0.57	0.16	5.04e-03	0.09	1.17
85	98	1.26	-6.80e-04	2.40e-05	-0.09	0.0	1.83	0.84	-7.35e-03	6.12e-03	-6.80e-04	1.02
		1.02	-2.88e-03	1.72e-06	0.0	30.0	1.83	0.75	-7.35e-03	6.12e-03	-2.88e-03	1.26
85	102	1.13	-4.68e-03	1.79e-05	-0.09	0.0	1.66	0.59	-0.02	4.87e-03	-4.68e-03	0.97
		0.97	-0.01	1.38e-06	0.0	30.0	1.66	0.50	-0.02	4.87e-03	-0.01	1.13
85	103	1.24	-4.90e-03	2.29e-05	-0.09	0.0	1.86	0.79	-0.02	5.92e-03	-4.90e-03	1.01
		1.01	-0.01	1.91e-06	0.0	30.0	1.86	0.70	-0.02	5.92e-03	-0.01	1.24
85	104	1.14	0.02	1.85e-05	-0.09	0.0	1.54	0.61	0.03	4.93e-03	8.08e-03	0.97
		0.97	8.08e-03	0.0	0.0	30.0	1.54	0.52	0.03	4.93e-03	0.02	1.14
85	106	1.14	-4.25e-04	1.82e-05	-0.09	0.0	1.61	0.60	-5.74e-03	4.90e-03	-4.25e-04	0.97
		0.97	-2.15e-03	1.10e-06	0.0	30.0	1.61	0.51	-5.74e-03	4.90e-03	-2.15e-03	1.14
85	107	1.24	-6.43e-04	2.32e-05	-0.09	0.0	1.80	0.81	-7.12e-03	5.95e-03	-6.43e-04	1.02
		1.02	-2.78e-03	1.63e-06	0.0	30.0	1.80	0.71	-7.12e-03	5.95e-03	-2.78e-03	1.24
85	108	4.42	-0.02	-3.39e-06	-0.09	0.0	4.19	8.36	-0.08	-1.69e-03	-0.02	1.92
		1.92	-0.04	9.76e-05	0.0	30.0	4.19	8.27	-0.08	-1.69e-03	-0.04	4.42
85	111	0.11	0.04	4.70e-05	-0.09	0.0	-0.59	-6.75	0.07	0.01	0.02	0.11
		-1.93	0.02	-9.44e-05	0.0	30.0	-0.59	-6.84	0.07	0.01	0.04	-1.93
85	112	5.12	-0.02	5.95e-06	-0.09	0.0	4.05	10.04	-0.07	5.16e-04	-0.02	1.92
		1.92	-0.04	1.01e-04	0.0	30.0	4.05	9.95	-0.07	5.16e-04	-0.04	5.12
85	115	0.12	0.03	4.04e-05	-0.09	0.0	-0.44	-8.43	0.06	0.01	0.02	0.12
		-2.63	0.02	-9.81e-05	0.0	30.0	-0.44	-8.52	0.06	0.01	0.03	-2.63
85	124	1.17	-0.03	-2.34e-06	-0.09	0.0	3.99	0.62	-0.11	6.64e-05	-0.03	0.99
		0.99	-0.06	2.53e-05	0.0	30.0	3.99	0.52	-0.11	6.64e-05	-0.06	1.17
85	127	1.32	0.06	4.84e-05	-0.09	0.0	-0.39	1.00	0.09	0.01	0.03	1.04
		1.04	0.03	-2.20e-05	0.0	30.0	-0.39	0.90	0.09	0.01	0.06	1.32
85	140	4.82	-0.02	-5.40e-06	-0.09	0.0	4.49	9.32	-0.09	-2.64e-03	-0.02	2.04
		2.04	-0.05	1.10e-04	0.0	30.0	4.49	9.22	-0.09	-2.64e-03	-0.05	4.82
85	143	-4.75e-03	0.04	4.99e-05	-0.09	0.0	-0.89	-7.70	0.08	0.01	0.02	-4.75e-03
		-2.33	0.02	-1.06e-04	0.0	30.0	-0.89	-7.80	0.08	0.01	0.04	-2.33
85	144	5.62	-0.02	3.82e-06	-0.09	0.0	4.33	11.22	-0.08	-1.58e-04	-0.02	2.03
		2.03	-0.04	1.14e-04	0.0	30.0	4.33	11.12	-0.08	-1.58e-04	-0.04	5.62
85	147	2.98e-03	0.04	4.25e-05	-0.09	0.0	-0.73	-9.60	0.07	0.01	0.02	2.98e-03
		-3.13	0.02	-1.11e-04	0.0	30.0	-0.73	-9.70	0.07	0.01	0.04	-3.13
85	156	1.15	-0.03	-5.10e-06	-0.09	0.0	4.26	0.58	-0.12	-6.63e-04	-0.03	0.99
		0.99	-0.07	2.81e-05	0.0	30.0	4.26	0.49	-0.12	-6.63e-04	-0.07	1.15
85	159	1.34	0.06	5.15e-05	-0.09	0.0	-0.66	1.03	0.11	0.01	0.03	1.05
		1.05	0.03	-2.48e-05	0.0	30.0	-0.66	0.94	0.11	0.01	0.06	1.34
85	176	5.64	-0.02	5.72e-06	-0.09	0.0	4.35	11.28	-0.08	3.24e-04	-0.02	2.03
		2.03	-0.04	1.14e-04	0.0	30.0	4.35	11.19	-0.08	3.24e-04	-0.04	5.64
85	179	1.02e-03	0.04	4.06e-05	-0.09	0.0	-0.74	-9.67	0.06	0.01	0.02	1.02e-03
		-3.15	0.02	-1.11e-04	0.0	30.0	-0.74	-9.76	0.06	0.01	0.04	-3.15
85	180	4.78	-0.02	1.55e-05	-0.09	0.0	4.54	9.22	-0.08	-1.50e-03	-0.02	2.03
		2.03	-0.04	1.16e-04	0.0	30.0	4.54	9.13	-0.08	-1.50e-03	-0.04	4.78
85	183	6.99e-03	0.04	3.08e-05	-0.09	0.0	-0.93	-7.61	0.07	0.01	0.02	6.99e-03
		-2.29	0.02	-1.13e-04	0.0	30.0	-0.93	-7.70	0.07	0.01	0.04	-2.29
85	188	1.12	-0.03	-4.07e-06	-0.09	0.0	4.23	0.52	-0.12	-3.61e-04	-0.03	0.98
		0.98	-0.07	2.63e-05	0.0	30.0	4.23	0.42	-0.12	-3.61e-04	-0.07	1.12
85	191	1.37	0.06	5.04e-05	-0.09	0.0	-0.63	1.10	0.10	0.01	0.03	1.06
		1.06	0.03	-2.30e-05	0.0	30.0	-0.63	1.00	0.10	0.01	0.06	1.37
85	212	5.53	-0.02	1.68e-05	-0.09	0.0	5.09	11.01	-0.10	-2.63e-03	-0.02	2.24
		2.24	-0.05	1.39e-04	0.0	30.0	5.09	10.92	-0.10	-2.63e-03	-0.05	5.53
85	215	-0.21	0.05	2.96e-05	-0.09	0.0	-1.48	-9.40	0.08	0.01	0.02	-0.21
		-3.04	0.02	-1.36e-04	0.0	30.0	-1.48	-9.49	0.08	0.01	0.05	-3.04
85	216	6.50	-0.02	2.52e-05	-0.09	0.0	4.92	13.32	-0.08	1.27e-04	-0.02	2.23
		2.23	-0.04	1.46e-04	0.0	30.0	4.92	13.23	-0.08	1.27e-04	-0.04	6.50
85	219	-0.20	0.04	2.12e-05	-0.09	0.0	-1.32	-11.71	0.07	0.01	0.02	-0.20
		-4.01	0.02	-1.42e-04	0.0	30.0	-1.32	-11.81	0.07	0.01	0.04	-4.01
85	220	1.08	-0.04	-8.06e-06	-0.09	0.0	4.63	0.41	-0.14	-1.30e-03	-0.04	0.96
		0.96	-0.08	2.94e-05	0.0	30.0	4.63	0.32	-0.14	-1.30e-03	-0.08	1.08
85	223	1.41	0.07	5.44e-05	-0.09	0.0	-1.03	1.20	0.12	0.01	0.04	1.07
		1.07	0.04	-2.61e-05	0.0	30.0	-1.03	1.11	0.12	0.01	0.07	1.41
86	4	1.78	0.03	1.52e-04	-0.24	0.0	6.31	-1.06	0.12	9.54e-03	-0.05	1.78
		1.07	-0.05	1.12e-06	0.0	60.0	6.31	-1.30	0.12	9.54e-03	0.03	1.07
86	19	1.06	0.04	6.93e-05	-0.19	0.0	3.62	-0.48	0.19	4.53e-03	-0.07	1.06
		0.72	-0.07	-5.10e-06	0.0	60.0	3.62	-0.67	0.19	4.53e-03	0.04	0.72
86	28	1.85	0.08	1.62e-04	-0.24	0.0	6.10	-1.10	-0.22	9.78e-03	0.08	1.85
		1.11	-0.05	1.51e-05	0.0	60.0	6.10	-1.35	-0.22	9.78e-03	-0.05	1.11
86	45	1.17	0.14	8.55e-05	-0.19	0.0	3.27	-0.56	-0.37	4.94e-03	0.14	1.17
		0.78	-0.09	1.81e-05	0.0	60.0	3.27	-0.75	-0.37	4.94e-03	-0.09	0.78
86	47	1.36	0.14	1.16e-04	-0.19	0.0	4.17	-0.77	-0.37	6.77e-03	0.14	1.36
		0.84	-0.09	1.98e-05	0.0	60.0	4.17	-0.96	-0.37	6.77e-03	-0.09	0.84

86	68	1.33	0.02	1.10e-04	-0.19	0.0	4.63	-0.76	0.08	6.89e-03	-0.03	1.33
		0.81	-0.03	0.0	0.0	60.0	4.63	-0.95	0.08	6.89e-03	0.02	0.81
86	72	1.10	0.03	7.49e-05	-0.19	0.0	3.67	-0.51	0.13	4.77e-03	-0.05	1.10
		0.73	-0.05	-2.70e-06	0.0	60.0	3.67	-0.70	0.13	4.77e-03	0.03	0.73
86	80	1.37	0.05	1.17e-04	-0.19	0.0	4.49	-0.79	-0.14	7.05e-03	0.05	1.37
		0.84	-0.03	1.02e-05	0.0	60.0	4.49	-0.98	-0.14	7.05e-03	-0.03	0.84
86	85	1.17	0.09	8.56e-05	-0.19	0.0	3.44	-0.57	-0.25	5.04e-03	0.09	1.17
		0.78	-0.06	1.28e-05	0.0	60.0	3.44	-0.75	-0.25	5.04e-03	-0.06	0.78
86	87	1.30	0.09	1.06e-04	-0.19	0.0	4.03	-0.71	-0.25	6.27e-03	0.09	1.30
		0.82	-0.06	1.39e-05	0.0	60.0	4.03	-0.90	-0.25	6.27e-03	-0.06	0.82
86	98	1.26	4.17e-05	1.01e-04	-0.19	0.0	4.19	-0.69	4.88e-03	6.12e-03	-2.88e-03	1.26
		0.79	-2.88e-03	2.95e-06	0.0	60.0	4.19	-0.88	4.88e-03	6.12e-03	4.17e-05	0.79
86	102	1.13	5.76e-03	7.92e-05	-0.19	0.0	3.61	-0.54	0.03	4.87e-03	-0.01	1.13
		0.75	-0.01	0.0	0.0	60.0	3.61	-0.73	0.03	4.87e-03	5.76e-03	0.75
86	103	1.24	5.76e-03	9.67e-05	-0.19	0.0	4.12	-0.66	0.03	5.92e-03	-0.01	1.24
		0.78	-0.01	1.89e-06	0.0	60.0	4.12	-0.85	0.03	5.92e-03	5.76e-03	0.78
86	104	1.14	0.02	8.13e-05	-0.19	0.0	3.56	-0.55	-0.05	4.93e-03	0.02	1.14
		0.76	-0.01	4.03e-06	0.0	60.0	3.56	-0.74	-0.05	4.93e-03	-0.01	0.76
86	106	1.14	4.53e-05	8.03e-05	-0.19	0.0	3.59	-0.54	3.65e-03	4.90e-03	-2.15e-03	1.14
		0.75	-2.15e-03	1.84e-06	0.0	60.0	3.59	-0.73	3.65e-03	4.90e-03	4.53e-05	0.75
86	107	1.24	4.22e-05	9.77e-05	-0.19	0.0	4.11	-0.67	4.70e-03	5.95e-03	-2.78e-03	1.24
		0.79	-2.78e-03	2.79e-06	0.0	60.0	4.11	-0.85	4.70e-03	5.95e-03	4.22e-05	0.79
86	109	5.10	5.81e-03	1.94e-05	-0.19	0.0	15.80	-4.80	0.03	6.76e-04	-0.01	5.10
		2.16	-0.01	2.08e-04	0.0	60.0	15.80	-4.99	0.03	6.76e-04	5.81e-03	2.16
86	110	-0.59	6.94e-03	1.76e-04	-0.19	0.0	-7.58	3.47	-0.02	0.01	6.94e-03	-2.61
		-2.61	-5.72e-03	-2.02e-04	0.0	60.0	-7.58	3.28	-0.02	0.01	-5.72e-03	-0.59
86	112	5.12	0.02	-1.42e-05	-0.19	0.0	15.80	-4.83	0.10	5.16e-04	-0.04	5.12
		2.17	-0.04	2.04e-04	0.0	60.0	15.80	-5.01	0.10	5.16e-04	0.02	2.17
86	115	-0.59	0.03	1.96e-04	-0.19	0.0	-7.58	3.49	-0.09	0.01	0.03	-2.63
		-2.63	-0.02	-1.99e-04	0.0	60.0	-7.58	3.31	-0.09	0.01	-0.02	-0.59
86	124	1.17	0.03	3.46e-05	-0.19	0.0	3.69	-0.58	0.16	6.65e-05	-0.06	1.17
		0.76	-0.06	4.28e-05	0.0	60.0	3.69	-0.77	0.16	6.65e-05	0.03	0.76
86	127	1.32	0.06	1.61e-04	-0.19	0.0	4.52	-0.75	-0.15	0.01	0.06	1.32
		0.82	-0.03	-3.72e-05	0.0	60.0	4.52	-0.94	-0.15	0.01	-0.03	0.82
86	141	5.59	6.54e-03	-1.11e-05	-0.19	0.0	17.29	-5.32	0.03	2.30e-05	-0.01	5.59
		2.34	-0.01	2.34e-04	0.0	60.0	17.29	-5.51	0.03	2.30e-05	6.54e-03	2.34
86	142	-0.76	8.17e-03	1.86e-04	-0.19	0.0	-9.07	3.99	-0.02	0.01	8.17e-03	-3.10
		-3.10	-6.46e-03	-2.28e-04	0.0	60.0	-9.07	3.80	-0.02	0.01	-6.46e-03	-0.76
86	144	5.62	0.02	-2.20e-05	-0.19	0.0	17.29	-5.36	0.11	-1.58e-04	-0.04	5.62
		2.35	-0.04	2.30e-04	0.0	60.0	17.29	-5.54	0.11	-1.58e-04	0.02	2.35
86	147	-0.77	0.04	2.08e-04	-0.19	0.0	-9.07	4.02	-0.10	0.01	0.04	-3.13
		-3.13	-0.02	-2.24e-04	0.0	60.0	-9.07	3.83	-0.10	0.01	-0.02	-0.77
86	156	1.15	0.04	2.63e-05	-0.19	0.0	3.63	-0.57	0.18	-6.63e-04	-0.07	1.15
		0.75	-0.07	4.74e-05	0.0	60.0	3.63	-0.76	0.18	-6.63e-04	0.04	0.75
86	159	1.34	0.06	1.69e-04	-0.19	0.0	4.58	-0.77	-0.17	0.01	0.06	1.34
		0.82	-0.04	-4.18e-05	0.0	60.0	4.58	-0.95	-0.17	0.01	-0.04	0.82
86	176	5.64	0.02	-2.15e-05	-0.19	0.0	17.38	-5.38	0.10	3.24e-04	-0.04	5.64
		2.36	-0.04	2.29e-04	0.0	60.0	17.38	-5.57	0.10	3.24e-04	0.02	2.36
86	179	-0.78	0.04	2.07e-04	-0.19	0.0	-9.17	4.05	-0.09	0.01	0.04	-3.15
		-3.15	-0.02	-2.24e-04	0.0	60.0	-9.17	3.86	-0.09	0.01	-0.02	-0.78
86	184	5.59	0.02	-8.41e-05	-0.19	0.0	17.54	-5.33	0.10	8.80e-04	-0.04	5.59
		2.34	-0.04	2.43e-04	0.0	60.0	17.54	-5.52	0.10	8.80e-04	0.02	2.34
86	187	-0.76	0.03	2.80e-04	-0.19	0.0	-9.33	4.00	-0.09	0.01	0.03	-3.10
		-3.10	-0.02	-2.38e-04	0.0	60.0	-9.33	3.81	-0.09	0.01	-0.02	-0.76
86	188	1.12	0.04	2.41e-05	-0.19	0.0	3.57	-0.54	0.17	-3.61e-04	-0.07	1.12
		0.74	-0.07	4.39e-05	0.0	60.0	3.57	-0.72	0.17	-3.61e-04	0.04	0.74
86	191	1.37	0.06	1.71e-04	-0.19	0.0	4.65	-0.80	-0.16	0.01	0.06	1.37
		0.83	-0.04	-3.83e-05	0.0	60.0	4.65	-0.99	-0.16	0.01	-0.04	0.83
86	216	6.50	0.02	-1.26e-04	-0.19	0.0	20.35	-6.30	0.11	1.27e-04	-0.04	6.50
		2.66	-0.04	2.93e-04	0.0	60.0	20.35	-6.49	0.11	1.27e-04	0.02	2.66
86	219	-1.09	0.04	3.22e-04	-0.19	0.0	-12.14	4.97	-0.10	0.01	0.04	-4.01
		-4.01	-0.02	-2.87e-04	0.0	60.0	-12.14	4.78	-0.10	0.01	-0.02	-1.09
86	220	1.08	0.04	9.61e-06	-0.19	0.0	3.42	-0.49	0.20	-1.30e-03	-0.08	1.08
		0.73	-0.08	4.87e-05	0.0	60.0	3.42	-0.68	0.20	-1.30e-03	0.04	0.73
86	223	1.41	0.07	1.86e-04	-0.19	0.0	4.79	-0.84	-0.19	0.01	0.07	1.41
		0.85	-0.04	-4.31e-05	0.0	60.0	4.79	-1.03	-0.19	0.01	-0.04	0.85
87	15	-0.69	9.38e-03	7.06e-05	-0.23	0.0	0.60	0.96	0.10	6.36e-03	-0.04	-1.16
		-1.16	-0.04	8.85e-06	0.0	56.0	0.60	0.73	0.10	6.36e-03	9.38e-03	-0.69
87	19	-0.47	6.11e-03	5.28e-05	-0.18	0.0	0.54	0.69	0.09	4.53e-03	-0.05	-0.80
		-0.80	-0.05	7.22e-06	0.0	56.0	0.54	0.51	0.09	4.53e-03	6.11e-03	-0.47
87	28	-1.27	0.08	8.34e-05	-0.23	0.0	-0.05	1.44	-0.11	9.78e-03	0.08	-2.01
		-2.01	0.02	6.62e-06	0.0	56.0	-0.05	1.21	-0.11	9.78e-03	0.02	-1.27
87	44	-1.13	0.12	8.39e-05	-0.23	0.0	-0.12	1.39	-0.19	9.08e-03	0.12	-1.84
		-1.84	0.02	3.53e-06	0.0	56.0	-0.12	1.16	-0.19	9.08e-03	0.02	-1.13
87	48	-0.91	0.12	6.61e-05	-0.18	0.0	-0.18	1.11	-0.19	7.25e-03	0.12	-1.48

		-1.48	0.01	1.90e-06	0.0	56.0	-0.18	0.94	-0.19	7.25e-03	0.01	-0.91
87	72	-0.51	7.15e-03	5.44e-05	-0.18	0.0	0.44	0.73	0.06	4.77e-03	-0.03	-0.87
		-0.87	-0.03	6.27e-06	0.0	56.0	0.44	0.56	0.06	4.77e-03	7.15e-03	-0.51
87	80	-0.90	0.06	6.29e-05	-0.18	0.0	0.01	1.05	-0.07	7.05e-03	0.06	-1.43
		-1.43	0.01	4.78e-06	0.0	56.0	0.01	0.87	-0.07	7.05e-03	0.01	-0.90
87	88	-0.80	0.08	6.33e-05	-0.18	0.0	-0.03	1.02	-0.13	6.59e-03	0.08	-1.32
		-1.32	0.01	2.72e-06	0.0	56.0	-0.03	0.84	-0.13	6.59e-03	0.01	-0.80
87	98	-0.76	0.01	5.91e-05	-0.18	0.0	0.19	0.92	9.43e-04	6.12e-03	0.01	-1.23
		-1.23	0.01	5.69e-06	0.0	56.0	0.19	0.74	9.43e-04	6.12e-03	0.01	-0.76
87	102	-0.52	8.23e-03	5.65e-05	-0.18	0.0	0.31	0.78	0.01	4.87e-03	7.37e-04	-0.91
		-0.91	7.37e-04	4.39e-06	0.0	56.0	0.31	0.60	0.01	4.87e-03	8.23e-03	-0.52
87	105	-0.73	0.02	5.94e-05	-0.18	0.0	0.16	0.91	-0.02	5.98e-03	0.02	-1.19
		-1.19	0.01	4.79e-06	0.0	56.0	0.16	0.73	-0.02	5.98e-03	0.01	-0.73
87	106	-0.53	8.51e-03	5.70e-05	-0.18	0.0	0.28	0.79	8.58e-04	4.90e-03	8.03e-03	-0.92
		-0.92	8.03e-03	3.92e-06	0.0	56.0	0.28	0.61	8.58e-04	4.90e-03	8.51e-03	-0.53
87	107	-0.73	0.01	5.88e-05	-0.18	0.0	0.20	0.90	9.31e-04	5.95e-03	0.01	-1.18
		-1.18	0.01	5.44e-06	0.0	56.0	0.20	0.72	9.31e-04	5.95e-03	0.01	-0.73
87	112	-3.95	0.05	-1.95e-03	-0.18	0.0	-3.23	7.63	0.06	5.16e-04	0.05	-8.17
		-8.17	0.03	1.94e-04	0.0	56.0	-3.23	7.45	0.06	5.16e-04	0.03	-3.95
87	113	-3.36	0.07	-1.97e-03	-0.18	0.0	-4.09	6.35	0.03	-1.53e-03	0.07	-6.87
		-6.87	0.04	1.92e-04	0.0	56.0	-4.09	6.17	0.03	-1.53e-03	0.04	-3.36
87	114	4.50	-0.02	2.09e-03	-0.18	0.0	4.49	-4.55	-0.03	0.01	-0.05	4.50
		1.90	-0.05	-1.81e-04	0.0	56.0	4.49	-4.73	-0.03	0.01	-0.02	1.90
87	115	5.81	-0.01	2.07e-03	-0.18	0.0	3.63	-5.84	-0.06	0.01	-0.03	5.81
		2.50	-0.03	-1.83e-04	0.0	56.0	3.63	-6.01	-0.06	0.01	-0.01	2.50
87	125	-2.57	0.09	-5.14e-04	-0.18	0.0	-2.15	4.68	-0.06	7.95e-03	0.09	-5.13
		-5.13	0.04	8.05e-05	0.0	56.0	-2.15	4.51	-0.06	7.95e-03	0.04	-2.57
87	126	2.77	-0.02	6.31e-04	-0.18	0.0	2.54	-2.89	0.07	3.94e-03	-0.07	2.77
		1.11	-0.07	-6.96e-05	0.0	56.0	2.54	-3.07	0.07	3.94e-03	-0.02	1.11
87	144	-4.36	0.05	-2.21e-03	-0.18	0.0	-3.67	8.49	0.07	-1.58e-04	0.05	-9.06
		-9.06	0.04	2.18e-04	0.0	56.0	-3.67	8.31	0.07	-1.58e-04	0.04	-4.36
87	145	-3.69	0.08	-2.22e-03	-0.18	0.0	-4.64	7.04	0.03	-2.46e-03	0.08	-7.59
		-7.59	0.05	2.15e-04	0.0	56.0	-4.64	6.86	0.03	-2.46e-03	0.05	-3.69
87	146	5.22	-0.03	2.34e-03	-0.18	0.0	5.03	-5.24	-0.03	0.01	-0.06	5.22
		2.24	-0.06	-2.04e-04	0.0	56.0	5.03	-5.42	-0.03	0.01	-0.03	2.24
87	147	6.70	-0.01	2.32e-03	-0.18	0.0	4.07	-6.69	-0.06	0.01	-0.03	6.70
		2.91	-0.03	-2.07e-04	0.0	56.0	4.07	-6.87	-0.06	0.01	-0.01	2.91
87	157	-2.80	0.10	-5.86e-04	-0.18	0.0	-2.45	5.17	-0.07	8.20e-03	0.10	-5.64
		-5.64	0.04	9.04e-05	0.0	56.0	-2.45	5.00	-0.07	8.20e-03	0.04	-2.80
87	158	3.28	-0.02	7.03e-04	-0.18	0.0	2.85	-3.38	0.07	3.69e-03	-0.08	3.28
		1.35	-0.08	-7.95e-05	0.0	56.0	2.85	-3.56	0.07	3.69e-03	-0.02	1.35
87	176	-4.39	0.05	-2.13e-03	-0.18	0.0	-3.68	8.53	0.06	3.24e-04	0.05	-9.11
		-9.11	0.04	2.17e-04	0.0	56.0	-3.68	8.35	0.06	3.24e-04	0.04	-4.39
87	177	-3.70	0.08	-2.15e-03	-0.18	0.0	-4.66	7.06	0.03	-1.86e-03	0.08	-7.61
		-7.61	0.05	2.14e-04	0.0	56.0	-4.66	6.88	0.03	-1.86e-03	0.05	-3.70
87	178	5.24	-0.03	2.27e-03	-0.18	0.0	5.05	-5.26	-0.03	0.01	-0.06	5.24
		2.25	-0.06	-2.03e-04	0.0	56.0	5.05	-5.44	-0.03	0.01	-0.03	2.25
87	179	6.75	-0.01	2.25e-03	-0.18	0.0	4.08	-6.73	-0.06	0.01	-0.03	6.75
		2.93	-0.03	-2.06e-04	0.0	56.0	4.08	-6.91	-0.06	0.01	-0.01	2.93
87	189	-2.83	0.10	-5.66e-04	-0.18	0.0	-2.50	5.25	-0.07	8.23e-03	0.10	-5.71
		-5.71	0.04	9.32e-05	0.0	56.0	-2.50	5.07	-0.07	8.23e-03	0.04	-2.83
87	190	3.35	-0.02	6.84e-04	-0.18	0.0	2.89	-3.45	0.07	3.67e-03	-0.08	3.35
		1.38	-0.08	-8.23e-05	0.0	56.0	2.89	-3.63	0.07	3.67e-03	-0.02	1.38
87	209	-4.23	0.09	-2.50e-03	-0.18	0.0	-5.53	8.15	0.04	-2.90e-03	0.09	-8.75
		-8.75	0.05	2.50e-04	0.0	56.0	-5.53	7.98	0.04	-2.90e-03	0.05	-4.23
87	210	6.39	-0.03	2.61e-03	-0.18	0.0	5.92	-6.36	-0.04	0.01	-0.07	6.39
		2.77	-0.07	-2.39e-04	0.0	56.0	5.92	-6.53	-0.04	0.01	-0.03	2.77
87	216	-5.08	0.06	-1.30e-04	-0.18	0.0	-4.26	10.03	0.07	1.27e-04	0.06	-10.65
		-10.65	0.04	2.77e-04	0.0	56.0	-4.26	9.85	0.07	1.27e-04	0.04	-5.08
87	219	8.28	-0.02	2.48e-04	-0.18	0.0	4.66	-8.23	-0.07	0.01	-0.04	8.28
		3.63	-0.04	-2.66e-04	0.0	56.0	4.66	-8.41	-0.07	0.01	-0.02	3.63
87	221	-3.22	0.11	-6.66e-04	-0.18	0.0	-3.00	6.07	-0.08	8.65e-03	0.11	-6.56
		-6.56	0.05	1.11e-04	0.0	56.0	-3.00	5.89	-0.08	8.65e-03	0.05	-3.22
87	222	4.19	-0.03	7.83e-04	-0.18	0.0	3.40	-4.27	0.09	3.25e-03	-0.09	4.19
		1.77	-0.09	-9.99e-05	0.0	56.0	3.40	-4.45	0.09	3.25e-03	-0.03	1.77
88	16	0.0	9.94e-03	4.87e-05	-0.23	0.0	0.07	1.40	-0.05	6.84e-03	9.94e-03	-0.72
		-0.72	-0.02	1.10e-05	0.0	56.0	0.07	1.18	-0.05	6.84e-03	-0.02	0.0
88	18	0.0	0.01	3.68e-05	-0.23	0.0	-0.06	2.03	-0.07	8.68e-03	0.01	-1.07
		-1.07	-0.02	1.44e-05	0.0	56.0	-0.06	1.81	-0.07	8.68e-03	-0.02	0.0
88	19	0.0	6.11e-03	3.77e-05	-0.18	0.0	0.09	0.92	-0.03	4.53e-03	6.11e-03	-0.47
		-0.47	-0.01	8.35e-06	0.0	56.0	0.09	0.75	-0.03	4.53e-03	-0.01	0.0
88	28	0.0	0.02	3.79e-05	-0.23	0.0	-0.24	2.38	-0.05	9.78e-03	0.02	-1.27
		-1.27	-7.60e-03	9.59e-06	0.0	56.0	-0.24	2.15	-0.05	9.78e-03	-7.60e-03	0.0
88	72	0.0	7.15e-03	3.79e-05	-0.18	0.0	0.06	1.00	-0.03	4.77e-03	7.15e-03	-0.51
		-0.51	-0.01	7.53e-06	0.0	56.0	0.06	0.82	-0.03	4.77e-03	-0.01	0.0

88	73	0.0	7.52e-03	3.85e-05	-0.18	0.0	0.06	1.04	-0.03	5.10e-03	7.52e-03	-0.53
		-0.53	-0.01	7.88e-06	0.0	56.0	0.06	0.86	-0.03	5.10e-03	-0.01	0.0
88	75	0.0	0.01	3.05e-05	-0.18	0.0	-0.03	1.46	-0.05	6.32e-03	0.01	-0.77
		-0.77	-0.02	1.01e-05	0.0	56.0	-0.03	1.28	-0.05	6.32e-03	-0.02	0.0
88	80	0.0	0.01	3.12e-05	-0.18	0.0	-0.15	1.69	-0.03	7.05e-03	0.01	-0.90
		-0.90	-4.98e-03	6.91e-06	0.0	56.0	-0.15	1.51	-0.03	7.05e-03	-4.98e-03	0.0
88	98	0.0	0.01	3.23e-05	-0.18	0.0	-0.08	1.45	-0.03	6.12e-03	0.01	-0.76
		-0.76	-7.58e-03	7.53e-06	0.0	56.0	-0.08	1.27	-0.03	6.12e-03	-7.58e-03	0.0
88	102	0.0	8.23e-03	3.98e-05	-0.18	0.0	0.02	1.02	-0.02	4.87e-03	8.23e-03	-0.52
		-0.52	-4.13e-03	5.76e-06	0.0	56.0	0.02	0.85	-0.02	4.87e-03	-4.13e-03	0.0
88	103	0.0	0.01	3.29e-05	-0.18	0.0	-0.05	1.38	-0.03	5.92e-03	0.01	-0.72
		-0.72	-8.40e-03	7.66e-06	0.0	56.0	-0.05	1.21	-0.03	5.92e-03	-8.40e-03	0.0
88	106	0.0	8.51e-03	4.02e-05	-0.18	0.0	0.02	1.03	-0.02	4.90e-03	8.51e-03	-0.53
		-0.53	-2.60e-03	5.32e-06	0.0	56.0	0.02	0.85	-0.02	4.90e-03	-2.60e-03	0.0
88	107	0.0	0.01	3.34e-05	-0.18	0.0	-0.06	1.39	-0.03	5.95e-03	0.01	-0.73
		-0.73	-6.87e-03	7.22e-06	0.0	56.0	-0.06	1.21	-0.03	5.95e-03	-6.87e-03	0.0
88	112	0.0	0.10	1.55e-04	-0.18	0.0	-1.28	7.15	0.12	5.16e-04	0.03	-3.95
		-3.95	0.03	1.98e-04	0.0	56.0	-1.28	6.97	0.12	5.16e-04	0.10	0.0
88	115	2.50	-0.01	-8.84e-05	-0.18	0.0	1.15	-4.37	-0.18	0.01	-0.01	2.50
		0.0	-0.11	-1.84e-04	0.0	56.0	1.15	-4.54	-0.18	0.01	-0.11	0.0
88	121	0.0	0.14	-1.26e-04	-0.18	0.0	-0.82	5.81	0.18	-1.08e-03	0.04	-3.20
		-3.20	0.04	2.04e-04	0.0	56.0	-0.82	5.63	0.18	-1.08e-03	0.14	0.0
88	122	1.75	-0.02	1.93e-04	-0.18	0.0	0.70	-3.03	-0.24	0.01	-0.02	1.75
		0.0	-0.16	-1.90e-04	0.0	56.0	0.70	-3.21	-0.24	0.01	-0.16	0.0
88	144	0.0	0.11	1.71e-04	-0.18	0.0	-1.43	7.88	0.14	-1.58e-04	0.04	-4.36
		-4.36	0.04	2.23e-04	0.0	56.0	-1.43	7.70	0.14	-1.58e-04	0.11	0.0
88	147	2.91	-0.01	-1.04e-04	-0.18	0.0	1.31	-5.10	-0.20	0.01	-0.01	2.91
		0.0	-0.13	-2.08e-04	0.0	56.0	1.31	-5.28	-0.20	0.01	-0.13	0.0
88	153	0.0	0.16	-1.49e-04	-0.18	0.0	-0.92	6.40	0.20	-1.91e-03	0.05	-3.53
		-3.53	0.05	2.30e-04	0.0	56.0	-0.92	6.22	0.20	-1.91e-03	0.16	0.0
88	154	2.08	-0.03	2.16e-04	-0.18	0.0	0.80	-3.62	-0.27	0.01	-0.03	2.08
		0.0	-0.18	-2.16e-04	0.0	56.0	0.80	-3.79	-0.27	0.01	-0.18	0.0
88	176	0.0	0.11	1.84e-04	-0.18	0.0	-1.43	7.92	0.14	3.24e-04	0.04	-4.39
		-4.39	0.04	2.22e-04	0.0	56.0	-1.43	7.74	0.14	3.24e-04	0.11	0.0
88	179	2.93	-0.01	-1.17e-04	-0.18	0.0	1.30	-5.14	-0.20	0.01	-0.01	2.93
		0.0	-0.13	-2.08e-04	0.0	56.0	1.30	-5.32	-0.20	0.01	-0.13	0.0
88	185	0.0	0.17	-1.75e-04	-0.18	0.0	-0.94	6.60	0.21	-1.31e-03	0.05	-3.65
		-3.65	0.05	2.36e-04	0.0	56.0	-0.94	6.42	0.21	-1.31e-03	0.17	0.0
88	186	2.19	-0.03	2.42e-04	-0.18	0.0	0.82	-3.82	-0.28	0.01	-0.03	2.19
		0.0	-0.18	-2.21e-04	0.0	56.0	0.82	-4.00	-0.28	0.01	-0.18	0.0
88	208	0.0	0.14	2.18e-04	-0.18	0.0	-1.67	9.10	0.17	-3.77e-04	0.04	-5.04
		-5.04	0.04	2.60e-04	0.0	56.0	-1.67	8.92	0.17	-3.77e-04	0.14	0.0
88	211	3.59	-0.02	-1.51e-04	-0.18	0.0	1.55	-6.32	-0.24	0.01	-0.02	3.59
		0.0	-0.15	-2.45e-04	0.0	56.0	1.55	-6.50	-0.24	0.01	-0.15	0.0
88	216	0.0	0.15	-2.05e-04	-0.18	0.0	-1.41	9.16	0.20	1.27e-04	0.04	-5.08
		-5.08	0.04	2.83e-04	0.0	56.0	-1.41	8.99	0.20	1.27e-04	0.15	0.0
88	217	0.0	0.20	-2.27e-04	-0.18	0.0	-1.13	7.71	0.26	-2.39e-03	0.06	-4.27
		-4.27	0.06	2.83e-04	0.0	56.0	-1.13	7.53	0.26	-2.39e-03	0.20	0.0
88	218	2.81	-0.04	2.94e-04	-0.18	0.0	1.00	-4.93	-0.33	0.01	-0.04	2.81
		0.0	-0.22	-2.68e-04	0.0	56.0	1.00	-5.11	-0.33	0.01	-0.22	0.0
88	219	3.63	-0.02	2.72e-04	-0.18	0.0	1.29	-6.39	-0.26	0.01	-0.02	3.63
		0.0	-0.17	-2.69e-04	0.0	56.0	1.29	-6.56	-0.26	0.01	-0.17	0.0
89	4	0.0	0.06	-9.32e-05	-0.23	0.0	0.22	-1.42	-0.18	0.01	0.06	0.0
		-0.86	-0.04	9.25e-06	0.0	56.0	0.22	-1.65	-0.18	0.01	-0.04	-0.86
89	16	0.0	0.03	-8.92e-05	-0.23	0.0	0.22	-0.80	-0.09	8.56e-03	0.03	0.0
		-0.51	-0.02	3.78e-06	0.0	56.0	0.22	-1.03	-0.09	8.56e-03	-0.02	-0.51
89	21	0.0	0.03	-6.92e-05	-0.18	0.0	0.11	-0.97	-0.10	8.23e-03	0.03	0.0
		-0.59	-0.02	3.69e-06	0.0	56.0	0.11	-1.15	-0.10	8.23e-03	-0.02	-0.59
89	28	0.0	0.08	-9.02e-05	-0.23	0.0	0.34	-1.40	-0.20	0.01	0.08	0.0
		-0.85	-0.03	1.44e-05	0.0	56.0	0.34	-1.63	-0.20	0.01	-0.03	-0.85
89	42	0.0	0.06	-8.42e-05	-0.23	0.0	0.41	-0.77	-0.14	8.19e-03	0.06	0.0
		-0.49	-0.02	1.23e-05	0.0	56.0	0.41	-1.00	-0.14	8.19e-03	-0.02	-0.49
89	68	0.0	0.05	-7.02e-05	-0.18	0.0	0.18	-1.00	-0.13	8.67e-03	0.05	0.0
		-0.61	-0.03	6.81e-06	0.0	56.0	0.18	-1.17	-0.13	8.67e-03	-0.03	-0.61
89	73	0.0	0.02	-6.76e-05	-0.18	0.0	0.18	-0.58	-0.07	6.32e-03	0.02	0.0
		-0.38	-0.02	3.17e-06	0.0	56.0	0.18	-0.76	-0.07	6.32e-03	-0.02	-0.38
89	74	0.0	0.03	-6.74e-05	-0.18	0.0	0.15	-0.86	-0.10	7.58e-03	0.03	0.0
		-0.53	-0.02	4.63e-06	0.0	56.0	0.15	-1.04	-0.10	7.58e-03	-0.02	-0.53
89	80	0.0	0.06	-6.82e-05	-0.18	0.0	0.26	-0.98	-0.14	8.52e-03	0.06	0.0
		-0.60	-0.02	1.02e-05	0.0	56.0	0.26	-1.16	-0.14	8.52e-03	-0.02	-0.60
89	86	0.0	0.04	-6.42e-05	-0.18	0.0	0.30	-0.56	-0.10	6.07e-03	0.04	0.0
		-0.36	-0.01	8.87e-06	0.0	56.0	0.30	-0.74	-0.10	6.07e-03	-0.01	-0.36
89	98	0.0	0.04	-6.54e-05	-0.18	0.0	0.21	-0.86	-0.12	7.47e-03	0.04	0.0
		-0.53	-0.02	7.72e-06	0.0	56.0	0.21	-1.03	-0.12	7.47e-03	-0.02	-0.53
89	102	0.0	0.03	-6.34e-05	-0.18	0.0	0.22	-0.57	-0.08	5.81e-03	0.03	0.0

		-0.37	-0.02	5.42e-06	0.0	56.0	0.22	-0.74	-0.08	5.81e-03	-0.02	-0.37
89	103	0.0	0.04	-6.54e-05	-0.18	0.0	0.20	-0.82	-0.11	7.25e-03	0.04	0.0
		-0.51	-0.02	6.86e-06	0.0	56.0	0.20	-0.99	-0.11	7.25e-03	-0.02	-0.51
89	104	0.0	0.03	-6.27e-05	-0.18	0.0	0.24	-0.56	-0.09	5.76e-03	0.03	0.0
		-0.36	-0.02	6.56e-06	0.0	56.0	0.24	-0.74	-0.09	5.76e-03	-0.02	-0.36
89	105	0.0	0.04	-6.48e-05	-0.18	0.0	0.23	-0.81	-0.11	7.20e-03	0.04	0.0
		-0.50	-0.02	8.00e-06	0.0	56.0	0.23	-0.99	-0.11	7.20e-03	-0.02	-0.50
89	106	0.0	0.03	-6.30e-05	-0.18	0.0	0.23	-0.57	-0.08	5.79e-03	0.03	0.0
		-0.37	-0.02	6.04e-06	0.0	56.0	0.23	-0.74	-0.08	5.79e-03	-0.02	-0.37
89	107	0.0	0.04	-6.50e-05	-0.18	0.0	0.22	-0.81	-0.11	7.23e-03	0.04	0.0
		-0.51	-0.02	7.48e-06	0.0	56.0	0.22	-0.99	-0.11	7.23e-03	-0.02	-0.51
89	108	3.01	0.16	-1.81e-04	-0.18	0.0	1.87	5.47	-0.30	0.02	0.16	0.0
		0.0	0.03	1.90e-04	0.0	56.0	1.87	5.30	-0.30	0.02	0.03	3.01
89	111	0.0	-0.07	5.09e-05	-0.18	0.0	-1.43	-7.10	0.08	-7.76e-04	-0.07	0.0
		-4.03	-0.07	-1.75e-04	0.0	56.0	-1.43	-7.28	0.08	-7.76e-04	-0.07	-4.03
89	113	2.98	0.20	-1.74e-04	-0.18	0.0	1.84	5.41	-0.26	0.02	0.20	0.0
		0.0	0.05	1.79e-04	0.0	56.0	1.84	5.23	-0.26	0.02	0.05	2.98
89	114	0.0	-0.09	4.44e-05	-0.18	0.0	-1.40	-7.04	0.04	-7.66e-04	-0.11	0.0
		-3.99	-0.11	-1.64e-04	0.0	56.0	-1.40	-7.21	0.04	-7.66e-04	-0.09	-3.99
89	140	3.45	0.17	-1.96e-04	-0.18	0.0	2.07	6.26	-0.33	0.02	0.17	0.0
		0.0	0.03	2.13e-04	0.0	56.0	2.07	6.08	-0.33	0.02	0.03	3.45
89	143	0.0	-0.07	6.63e-05	-0.18	0.0	-1.64	-7.89	0.11	-1.79e-03	-0.09	0.0
		-4.46	-0.09	-1.98e-04	0.0	56.0	-1.64	-8.06	0.11	-1.79e-03	-0.07	-4.46
89	145	3.41	0.21	-1.89e-04	-0.18	0.0	2.04	6.18	-0.28	0.02	0.21	0.0
		0.0	0.06	2.01e-04	0.0	56.0	2.04	6.01	-0.28	0.02	0.06	3.41
89	146	0.0	-0.10	5.88e-05	-0.18	0.0	-1.60	-7.81	0.06	-1.77e-03	-0.13	0.0
		-4.42	-0.13	-1.86e-04	0.0	56.0	-1.60	-7.99	0.06	-1.77e-03	-0.10	-4.42
89	172	3.27	0.17	-2.18e-04	-0.18	0.0	1.99	5.93	-0.32	0.02	0.17	0.0
		0.0	0.03	2.10e-04	0.0	56.0	1.99	5.75	-0.32	0.02	0.03	3.27
89	175	0.0	-0.07	8.79e-05	-0.18	0.0	-1.56	-7.56	0.10	-1.77e-03	-0.08	0.0
		-4.28	-0.08	-1.95e-04	0.0	56.0	-1.56	-7.73	0.10	-1.77e-03	-0.07	-4.28
89	177	3.23	0.21	-2.09e-04	-0.18	0.0	1.96	5.86	-0.28	0.02	0.21	0.0
		0.0	0.05	1.98e-04	0.0	56.0	1.96	5.68	-0.28	0.02	0.05	3.23
89	178	0.0	-0.10	7.88e-05	-0.18	0.0	-1.52	-7.49	0.05	-1.75e-03	-0.12	0.0
		-4.24	-0.12	-1.83e-04	0.0	56.0	-1.52	-7.66	0.05	-1.75e-03	-0.10	-4.24
89	204	3.83	0.19	-2.57e-04	-0.18	0.0	2.26	6.92	-0.36	0.02	0.19	0.0
		0.0	0.04	2.45e-04	0.0	56.0	2.26	6.75	-0.36	0.02	0.04	3.83
89	207	0.0	-0.08	1.27e-04	-0.18	0.0	-1.83	-8.55	0.13	-3.35e-03	-0.10	0.0
		-4.84	-0.10	-2.30e-04	0.0	56.0	-1.83	-8.73	0.13	-3.35e-03	-0.08	-4.84
89	209	3.78	0.23	-2.45e-04	-0.18	0.0	2.22	6.84	-0.30	0.02	0.23	0.0
		0.0	0.06	2.30e-04	0.0	56.0	2.22	6.66	-0.30	0.02	0.06	3.78
89	210	0.0	-0.11	1.15e-04	-0.18	0.0	-1.78	-8.47	0.08	-3.31e-03	-0.15	0.0
		-4.79	-0.15	-2.15e-04	0.0	56.0	-1.78	-8.64	0.08	-3.31e-03	-0.11	-4.79
90	4	-0.86	-0.04	-1.27e-04	-0.23	0.0	-0.71	-0.55	-0.09	0.01	-0.04	-0.86
		-1.23	-0.09	3.64e-06	0.0	56.0	-0.71	-0.78	-0.09	0.01	-0.09	-1.23
90	18	-0.76	-0.03	-1.21e-04	-0.23	0.0	-0.55	-0.56	-0.17	0.01	-0.03	-0.76
		-1.13	-0.13	2.28e-06	0.0	56.0	-0.55	-0.78	-0.17	0.01	-0.13	-1.13
90	19	-0.35	-0.02	-7.64e-05	-0.18	0.0	-0.07	-0.39	-0.18	5.71e-03	-0.02	-0.35
		-0.62	-0.12	-1.44e-06	0.0	56.0	-0.07	-0.57	-0.18	5.71e-03	-0.12	-0.62
90	28	-0.85	0.01	-1.24e-04	-0.23	0.0	-0.73	-0.50	0.08	0.01	-0.03	-0.85
		-1.19	-0.03	8.96e-06	0.0	56.0	-0.73	-0.73	0.08	0.01	0.01	-1.19
90	45	-0.33	0.05	-7.16e-05	-0.18	0.0	-0.11	-0.31	0.10	5.34e-03	-0.01	-0.33
		-0.55	-0.01	7.70e-06	0.0	56.0	-0.11	-0.48	0.10	5.34e-03	0.05	-0.55
90	68	-0.61	-0.03	-9.37e-05	-0.18	0.0	-0.47	-0.41	-0.06	8.67e-03	-0.03	-0.61
		-0.89	-0.06	2.75e-06	0.0	56.0	-0.47	-0.59	-0.06	8.67e-03	-0.06	-0.89
90	72	-0.37	-0.02	-7.69e-05	-0.18	0.0	-0.10	-0.38	-0.12	5.90e-03	-0.02	-0.37
		-0.63	-0.08	1.15e-06	0.0	56.0	-0.10	-0.56	-0.12	5.90e-03	-0.08	-0.63
90	75	-0.54	-0.02	-9.00e-05	-0.18	0.0	-0.36	-0.42	-0.11	7.99e-03	-0.02	-0.54
		-0.82	-0.09	1.78e-06	0.0	56.0	-0.36	-0.59	-0.11	7.99e-03	-0.09	-0.82
90	80	-0.60	7.69e-03	-9.18e-05	-0.18	0.0	-0.48	-0.38	0.05	8.52e-03	-0.02	-0.60
		-0.86	-0.02	6.34e-06	0.0	56.0	-0.48	-0.55	0.05	8.52e-03	7.69e-03	-0.86
90	85	-0.36	0.03	-7.37e-05	-0.18	0.0	-0.13	-0.33	0.07	5.65e-03	-0.01	-0.36
		-0.59	-0.01	6.32e-06	0.0	56.0	-0.13	-0.50	0.07	5.65e-03	0.03	-0.59
90	98	-0.53	-0.01	-8.55e-05	-0.18	0.0	-0.35	-0.37	0.02	7.47e-03	-0.02	-0.53
		-0.79	-0.02	4.12e-06	0.0	56.0	-0.35	-0.55	0.02	7.47e-03	-0.01	-0.79
90	102	-0.37	-0.02	-7.54e-05	-0.18	0.0	-0.11	-0.36	-0.01	5.81e-03	-0.02	-0.37
		-0.62	-0.02	2.70e-06	0.0	56.0	-0.11	-0.54	-0.01	5.81e-03	-0.02	-0.62
90	103	-0.51	-0.02	-8.44e-05	-0.18	0.0	-0.31	-0.37	-0.01	7.25e-03	-0.02	-0.51
		-0.76	-0.03	3.38e-06	0.0	56.0	-0.31	-0.55	-0.01	7.25e-03	-0.03	-0.76
90	104	-0.36	-2.36e-03	-7.48e-05	-0.18	0.0	-0.12	-0.35	0.02	5.76e-03	-0.02	-0.36
		-0.61	-0.02	3.92e-06	0.0	56.0	-0.12	-0.53	0.02	5.76e-03	-2.36e-03	-0.61
90	106	-0.37	-9.69e-03	-7.51e-05	-0.18	0.0	-0.11	-0.36	0.01	5.79e-03	-0.02	-0.37
		-0.62	-0.02	3.32e-06	0.0	56.0	-0.11	-0.54	0.01	5.79e-03	-9.69e-03	-0.62
90	107	-0.51	-0.01	-8.40e-05	-0.18	0.0	-0.31	-0.37	0.02	7.23e-03	-0.02	-0.51
		-0.76	-0.02	4.00e-06	0.0	56.0	-0.31	-0.55	0.02	7.23e-03	-0.01	-0.76

90	108	6.67	0.03	-1.94e-03	-0.18	0.0	3.94	6.61	-0.04	0.02	0.03	3.01
		3.01	0.01	1.83e-04	0.0	56.0	3.94	6.44	-0.04	0.02	0.01	6.67
90	111	-4.03	-0.04	1.77e-03	-0.18	0.0	-4.56	-7.35	0.07	-7.76e-04	-0.07	-4.03
		-8.19	-0.07	-1.75e-04	0.0	56.0	-4.56	-7.53	0.07	-7.76e-04	-0.04	-8.19
90	113	6.68	0.05	-1.94e-03	-0.18	0.0	2.87	6.69	-0.02	0.02	0.05	2.98
		2.98	0.05	1.76e-04	0.0	56.0	2.87	6.52	-0.02	0.02	0.05	6.68
90	114	-3.99	-0.07	1.77e-03	-0.18	0.0	-3.49	-7.43	0.05	-7.66e-04	-0.09	-3.99
		-8.20	-0.09	-1.68e-04	0.0	56.0	-3.49	-7.61	0.05	-7.66e-04	-0.07	-8.20
90	133	4.43	0.07	-7.10e-04	-0.18	0.0	-0.36	4.68	0.04	6.72e-03	0.05	1.86
		1.86	0.05	3.25e-05	0.0	56.0	-0.36	4.50	0.04	6.72e-03	0.07	4.43
90	134	-2.88	-0.09	5.42e-04	-0.18	0.0	-0.27	-5.42	-8.21e-03	7.74e-03	-0.09	-2.88
		-5.96	-0.10	-2.45e-05	0.0	56.0	-0.27	-5.59	-8.21e-03	7.74e-03	-0.10	-5.96
90	140	7.59	0.03	-2.17e-03	-0.18	0.0	4.47	7.48	-0.05	0.02	0.03	3.45
		3.45	0.02	2.05e-04	0.0	56.0	4.47	7.31	-0.05	0.02	0.02	7.59
90	143	-4.46	-0.04	2.00e-03	-0.18	0.0	-5.09	-8.22	0.08	-1.79e-03	-0.07	-4.46
		-9.12	-0.07	-1.97e-04	0.0	56.0	-5.09	-8.40	0.08	-1.79e-03	-0.04	-9.12
90	145	7.60	0.06	-2.17e-03	-0.18	0.0	3.27	7.57	-0.02	0.02	0.06	3.41
		3.41	0.06	1.98e-04	0.0	56.0	3.27	7.40	-0.02	0.02	0.06	7.60
90	146	-4.42	-0.08	2.00e-03	-0.18	0.0	-3.89	-8.31	0.05	-1.77e-03	-0.10	-4.42
		-9.13	-0.10	-1.90e-04	0.0	56.0	-3.89	-8.49	0.05	-1.77e-03	-0.08	-9.13
90	165	5.08	0.08	-7.88e-04	-0.18	0.0	-0.36	5.30	0.04	6.64e-03	0.06	2.16
		2.16	0.06	3.57e-05	0.0	56.0	-0.36	5.13	0.04	6.64e-03	0.08	5.08
90	166	-3.17	-0.10	6.20e-04	-0.18	0.0	-0.26	-6.04	-0.01	7.82e-03	-0.10	-3.17
		-6.60	-0.11	-2.77e-05	0.0	56.0	-0.26	-6.22	-0.01	7.82e-03	-0.11	-6.60
90	172	7.19	0.03	-2.10e-03	-0.18	0.0	4.32	7.09	-0.05	0.02	0.03	3.27
		3.27	0.02	2.04e-04	0.0	56.0	4.32	6.91	-0.05	0.02	0.02	7.19
90	175	-4.28	-0.04	1.93e-03	-0.18	0.0	-4.94	-7.83	0.08	-1.77e-03	-0.07	-4.28
		-8.71	-0.07	-1.96e-04	0.0	56.0	-4.94	-8.00	0.08	-1.77e-03	-0.04	-8.71
90	177	7.20	0.05	-2.10e-03	-0.18	0.0	3.15	7.18	-0.02	0.02	0.05	3.23
		3.23	0.05	1.96e-04	0.0	56.0	3.15	7.01	-0.02	0.02	0.05	7.20
90	178	-4.24	-0.08	1.93e-03	-0.18	0.0	-3.78	-7.92	0.05	-1.75e-03	-0.10	-4.24
		-8.72	-0.10	-1.88e-04	0.0	56.0	-3.78	-8.10	0.05	-1.75e-03	-0.08	-8.72
90	197	4.83	0.08	-7.64e-04	-0.18	0.0	-0.34	5.07	0.04	6.56e-03	0.06	2.05
		2.05	0.06	3.24e-05	0.0	56.0	-0.34	4.90	0.04	6.56e-03	0.08	4.83
90	198	-3.06	-0.10	5.96e-04	-0.18	0.0	-0.29	-5.81	-9.51e-03	7.90e-03	-0.10	-3.06
		-6.36	-0.11	-2.44e-05	0.0	56.0	-0.29	-5.99	-9.51e-03	7.90e-03	-0.11	-6.36
90	204	8.35	0.04	-2.42e-03	-0.18	0.0	5.05	8.17	-0.06	0.02	0.04	3.83
		3.83	0.02	2.38e-04	0.0	56.0	5.05	7.99	-0.06	0.02	0.02	8.35
90	207	-4.84	-0.04	2.25e-03	-0.18	0.0	-5.67	-8.91	0.09	-3.35e-03	-0.08	-4.84
		-9.87	-0.08	-2.30e-04	0.0	56.0	-5.67	-9.08	0.09	-3.35e-03	-0.04	-9.87
90	209	8.37	0.06	-2.41e-03	-0.18	0.0	3.70	8.28	-0.02	0.02	0.06	3.78
		3.78	0.06	2.28e-04	0.0	56.0	3.70	8.11	-0.02	0.02	0.06	8.37
90	210	-4.79	-0.09	2.24e-03	-0.18	0.0	-4.32	-9.02	0.05	-3.31e-03	-0.11	-4.79
		-9.89	-0.11	-2.20e-04	0.0	56.0	-4.32	-9.20	0.05	-3.31e-03	-0.09	-9.89
90	229	5.67	0.10	-8.70e-04	-0.18	0.0	-0.34	5.89	0.04	6.38e-03	0.07	2.43
		2.43	0.07	3.51e-05	0.0	56.0	-0.34	5.72	0.04	6.38e-03	0.10	5.67
90	230	-3.44	-0.11	7.02e-04	-0.18	0.0	-0.29	-6.63	-0.01	8.08e-03	-0.11	-3.44
		-7.20	-0.12	-2.71e-05	0.0	56.0	-0.29	-6.81	-0.01	8.08e-03	-0.12	-7.20
91	4	-0.29	0.02	-2.03e-04	-0.24	0.0	-1.91	1.70	0.17	0.01	-0.09	-1.23
		-1.23	-0.09	-1.15e-05	0.0	60.0	-1.91	1.45	0.17	0.01	0.02	-0.29
91	18	-0.23	0.04	-1.94e-04	-0.24	0.0	-1.93	1.63	0.27	0.01	-0.13	-1.13
		-1.13	-0.13	-2.15e-05	0.0	60.0	-1.93	1.38	0.27	0.01	0.04	-0.23
91	45	-0.02	0.05	-1.11e-04	-0.19	0.0	-0.45	0.98	-0.12	5.35e-03	0.05	-0.55
		-0.55	-0.03	1.64e-05	0.0	60.0	-0.45	0.79	-0.12	5.35e-03	-0.03	-0.02
91	68	-0.19	0.01	-1.50e-04	-0.19	0.0	-1.38	1.26	0.11	8.68e-03	-0.06	-0.89
		-0.89	-0.06	-7.47e-06	0.0	60.0	-1.38	1.07	0.11	8.68e-03	0.01	-0.19
91	75	-0.15	0.02	-1.43e-04	-0.19	0.0	-1.40	1.21	0.18	8.00e-03	-0.09	-0.82
		-0.82	-0.09	-1.41e-05	0.0	60.0	-1.40	1.02	0.18	8.00e-03	0.02	-0.15
91	85	-0.04	0.03	-1.15e-04	-0.19	0.0	-0.63	1.01	-0.08	5.66e-03	0.03	-0.59
		-0.59	-0.02	1.16e-05	0.0	60.0	-0.63	0.82	-0.08	5.66e-03	-0.02	-0.04
91	98	-0.14	-7.13e-03	-1.36e-04	-0.19	0.0	-1.12	1.17	9.18e-03	7.48e-03	-0.01	-0.79
		-0.79	-0.01	2.17e-06	0.0	60.0	-1.12	0.98	9.18e-03	7.48e-03	-7.13e-03	-0.14
91	102	-0.05	6.88e-04	-1.19e-04	-0.19	0.0	-0.98	1.04	0.04	5.82e-03	-0.02	-0.62
		-0.62	-0.02	-1.42e-06	0.0	60.0	-0.98	0.86	0.04	5.82e-03	6.88e-04	-0.05
91	103	-0.13	-7.88e-04	-1.34e-04	-0.19	0.0	-1.14	1.16	0.04	7.26e-03	-0.03	-0.76
		-0.76	-0.03	-1.14e-06	0.0	60.0	-1.14	0.97	0.04	7.26e-03	-7.88e-04	-0.13
91	104	-0.05	-2.36e-03	-1.17e-04	-0.19	0.0	-0.87	1.03	-0.01	5.77e-03	-2.36e-03	-0.61
		-0.61	-8.43e-03	3.79e-06	0.0	60.0	-0.87	0.84	-0.01	5.77e-03	-8.43e-03	-0.05
91	106	-0.05	-5.40e-03	-1.18e-04	-0.19	0.0	-0.93	1.04	7.15e-03	5.80e-03	-9.69e-03	-0.62
		-0.62	-9.69e-03	1.84e-06	0.0	60.0	-0.93	0.85	7.15e-03	5.80e-03	-5.40e-03	-0.05
91	107	-0.13	-6.88e-03	-1.33e-04	-0.19	0.0	-1.09	1.15	8.89e-03	7.24e-03	-0.01	-0.76
		-0.76	-0.01	2.13e-06	0.0	60.0	-1.09	0.96	8.89e-03	7.24e-03	-6.88e-03	-0.13
91	113	6.68	0.05	-3.74e-05	-0.19	0.0	12.52	-4.96	-0.12	0.02	0.05	6.68
		3.65	4.22e-03	1.87e-04	0.0	60.0	12.52	-5.15	-0.12	0.02	4.22e-03	3.65
91	114	-3.90	-0.02	-2.36e-04	-0.19	0.0	-14.70	7.26	0.14	-7.42e-04	-0.07	-8.20

		-8.20	-0.07	-1.83e-04	0.0	60.0	-14.70	7.07	0.14	-7.42e-04	-0.02	-3.90
91	133	4.43	0.07	-4.59e-05	-0.19	0.0	8.82	-3.11	-0.17	6.72e-03	0.07	4.43
		2.51	-0.02	4.50e-05	0.0	60.0	8.82	-3.30	-0.17	6.72e-03	-0.02	2.51
91	134	-2.77	5.42e-03	-2.21e-04	-0.19	0.0	-11.00	5.41	0.18	7.75e-03	-0.10	-5.96
		-5.96	-0.10	-4.07e-05	0.0	60.0	-11.00	5.22	0.18	7.75e-03	5.42e-03	-2.77
91	145	7.60	0.06	-3.18e-05	-0.19	0.0	14.22	-5.72	-0.13	0.02	0.06	7.60
		4.12	5.64e-03	2.10e-04	0.0	60.0	14.22	-5.91	-0.13	0.02	5.64e-03	4.12
91	146	-4.37	-0.02	-2.49e-04	-0.19	0.0	-16.40	8.02	0.15	-1.75e-03	-0.08	-9.13
		-9.13	-0.08	-2.06e-04	0.0	60.0	-16.40	7.83	0.15	-1.75e-03	-0.02	-4.37
91	165	5.08	0.08	-3.71e-05	-0.19	0.0	10.04	-3.64	-0.19	6.64e-03	0.08	5.08
		2.84	-0.02	5.00e-05	0.0	60.0	10.04	-3.82	-0.19	6.64e-03	-0.02	2.84
91	166	-3.09	6.91e-03	-2.32e-04	-0.19	0.0	-12.23	5.93	0.21	7.83e-03	-0.11	-6.60
		-6.60	-0.11	-4.57e-05	0.0	60.0	-12.23	5.75	0.21	7.83e-03	6.91e-03	-3.09
91	177	7.20	0.05	-3.77e-05	-0.19	0.0	13.50	-5.39	-0.13	0.02	0.05	7.20
		3.91	5.63e-03	2.08e-04	0.0	60.0	13.50	-5.58	-0.13	0.02	5.63e-03	3.91
91	178	-4.17	-0.02	-2.38e-04	-0.19	0.0	-15.68	7.69	0.15	-1.72e-03	-0.08	-8.72
		-8.72	-0.08	-2.04e-04	0.0	60.0	-15.68	7.50	0.15	-1.72e-03	-0.02	-4.17
91	197	4.83	0.08	-3.97e-05	-0.19	0.0	9.63	-3.44	-0.18	6.56e-03	0.08	4.83
		2.72	-0.02	4.63e-05	0.0	60.0	9.63	-3.62	-0.18	6.56e-03	-0.02	2.72
91	198	-2.97	6.44e-03	-2.28e-04	-0.19	0.0	-11.81	5.74	0.20	7.91e-03	-0.11	-6.36
		-6.36	-0.11	-4.21e-05	0.0	60.0	-11.81	5.55	0.20	7.91e-03	6.44e-03	-2.97
91	209	8.37	0.06	-3.37e-05	-0.19	0.0	15.64	-6.34	-0.15	0.02	0.06	8.37
		4.50	7.80e-03	2.43e-04	0.0	60.0	15.64	-6.53	-0.15	0.02	7.80e-03	4.50
91	210	-4.76	-0.02	-2.49e-04	-0.19	0.0	-17.83	8.64	0.17	-3.28e-03	-0.09	-9.89
		-9.89	-0.09	-2.39e-04	0.0	60.0	-17.83	8.45	0.17	-3.28e-03	-0.02	-4.76
91	229	5.67	0.10	-3.08e-05	-0.19	0.0	11.25	-4.12	-0.21	6.37e-03	0.10	5.67
		3.14	-0.02	5.15e-05	0.0	60.0	11.25	-4.31	-0.21	6.37e-03	-0.02	3.14
91	230	-3.40	8.72e-03	-2.42e-04	-0.19	0.0	-13.43	6.42	0.23	8.10e-03	-0.12	-7.20
		-7.20	-0.12	-4.73e-05	0.0	60.0	-13.43	6.23	0.23	8.10e-03	8.72e-03	-3.40
92	4	1.43	-0.02	-5.26e-05	-0.12	0.0	3.17	-0.53	0.22	0.01	-0.09	1.43
		1.25	-0.09	-3.55e-06	0.0	30.0	3.17	-0.66	0.22	0.01	-0.02	1.25
92	18	1.41	-0.04	-4.76e-05	-0.12	0.0	2.70	-0.49	0.35	0.01	-0.14	1.41
		1.24	-0.14	-4.71e-06	0.0	30.0	2.70	-0.61	0.35	0.01	-0.04	1.24
92	19	1.00	-0.04	-2.34e-05	-0.09	0.0	1.51	-0.23	0.33	5.72e-03	-0.14	1.00
		0.91	-0.14	-3.95e-06	0.0	30.0	1.51	-0.32	0.33	5.72e-03	-0.04	0.91
92	44	1.35	0.06	-4.57e-05	-0.12	0.0	4.25	-0.39	-0.13	0.01	0.06	1.35
		1.21	0.02	1.48e-06	0.0	30.0	4.25	-0.51	-0.13	0.01	0.02	1.21
92	45	0.94	0.07	-2.15e-05	-0.09	0.0	3.06	-0.13	-0.14	5.35e-03	0.07	0.94
		0.88	0.02	2.24e-06	0.0	30.0	3.06	-0.22	-0.14	5.35e-03	0.02	0.88
92	68	1.08	-0.02	-3.75e-05	-0.09	0.0	2.40	-0.37	0.15	8.67e-03	-0.06	1.08
		0.95	-0.06	-2.42e-06	0.0	30.0	2.40	-0.47	0.15	8.67e-03	-0.02	0.95
92	72	0.99	-0.03	-2.42e-05	-0.09	0.0	1.81	-0.23	0.23	5.90e-03	-0.10	0.99
		0.91	-0.10	-2.87e-06	0.0	30.0	1.81	-0.32	0.23	5.90e-03	-0.03	0.91
92	75	1.06	-0.03	-3.41e-05	-0.09	0.0	2.09	-0.34	0.23	8.00e-03	-0.10	1.06
		0.95	-0.10	-3.20e-06	0.0	30.0	2.09	-0.44	0.23	8.00e-03	-0.03	0.95
92	85	0.95	0.04	-2.30e-05	-0.09	0.0	2.85	-0.16	-0.09	5.66e-03	0.04	0.95
		0.89	0.02	1.26e-06	0.0	30.0	2.85	-0.25	-0.09	5.66e-03	0.02	0.89
92	88	1.02	0.04	-3.29e-05	-0.09	0.0	3.13	-0.28	-0.09	7.75e-03	0.04	1.02
		0.93	0.02	0.0	0.0	30.0	3.13	-0.37	-0.09	7.75e-03	0.02	0.93
92	98	1.03	1.49e-03	-3.20e-05	-0.09	0.0	2.58	-0.29	0.02	7.47e-03	-4.24e-03	1.03
		0.93	-4.24e-03	0.0	0.0	30.0	2.58	-0.39	0.02	7.47e-03	1.49e-03	0.93
92	102	0.98	-4.58e-03	-2.38e-05	-0.09	0.0	2.24	-0.20	0.06	5.82e-03	-0.02	0.98
		0.91	-0.02	-1.08e-06	0.0	30.0	2.24	-0.30	0.06	5.82e-03	-4.58e-03	0.91
92	103	1.03	-4.26e-03	-3.09e-05	-0.09	0.0	2.44	-0.29	0.06	7.25e-03	-0.02	1.03
		0.93	-0.02	-1.32e-06	0.0	30.0	2.44	-0.38	0.06	7.25e-03	-4.26e-03	0.93
92	104	0.97	5.77e-03	-2.35e-05	-0.09	0.0	2.45	-0.19	-5.86e-03	5.77e-03	5.77e-03	0.97
		0.90	4.01e-03	0.0	0.0	30.0	2.45	-0.28	-5.86e-03	5.77e-03	4.01e-03	0.90
92	105	1.02	5.07e-03	-3.07e-05	-0.09	0.0	2.65	-0.27	-2.47e-03	7.20e-03	5.07e-03	1.02
		0.92	4.33e-03	0.0	0.0	30.0	2.65	-0.37	-2.47e-03	7.20e-03	4.33e-03	0.92
92	106	0.98	1.12e-03	-2.36e-05	-0.09	0.0	2.35	-0.20	0.02	5.79e-03	-3.43e-03	0.98
		0.90	-3.43e-03	0.0	0.0	30.0	2.35	-0.29	0.02	5.79e-03	1.12e-03	0.90
92	107	1.02	1.44e-03	-3.08e-05	-0.09	0.0	2.55	-0.28	0.02	7.23e-03	-4.13e-03	1.02
		0.92	-4.13e-03	0.0	0.0	30.0	2.55	-0.37	0.02	7.23e-03	1.44e-03	0.92
92	113	-0.11	0.04	-8.12e-05	-0.09	0.0	1.27	9.58	-0.08	0.02	0.04	-2.96
		-2.96	-4.79e-03	9.47e-05	0.0	30.0	1.27	9.49	-0.08	0.02	-4.79e-03	-0.11
92	114	5.01	7.67e-03	1.96e-05	-0.09	0.0	3.83	-10.14	0.11	-7.60e-04	-0.05	5.01
		1.96	-0.05	-9.65e-05	0.0	30.0	3.83	-10.23	0.11	-7.60e-04	7.67e-03	1.96
92	124	0.19	-0.02	-6.49e-05	-0.09	0.0	0.52	6.50	0.08	6.75e-03	-0.04	-1.74
		-1.74	-0.04	2.09e-05	0.0	30.0	0.52	6.41	0.08	6.75e-03	-0.02	0.19
92	127	3.78	0.03	3.36e-06	-0.09	0.0	4.58	-7.06	-0.04	7.71e-03	0.03	3.78
		1.66	0.02	-2.27e-05	0.0	30.0	4.58	-7.15	-0.04	7.71e-03	0.02	1.66
92	133	0.18	0.07	-5.57e-05	-0.09	0.0	2.83	6.64	-0.12	6.72e-03	0.07	-1.80
		-1.80	0.02	2.24e-05	0.0	30.0	2.83	6.55	-0.12	6.72e-03	0.02	0.18
92	134	3.84	-0.02	-6.32e-06	-0.09	0.0	2.27	-7.20	0.16	7.74e-03	-0.08	3.84
		1.67	-0.08	-2.42e-05	0.0	30.0	2.27	-7.30	0.16	7.74e-03	-0.02	1.67

92	145	-0.24	0.05	-8.76e-05	-0.09	0.0	1.11	10.81	-0.09	0.02	0.05	-3.46
		-3.46	-5.58e-03	1.07e-04	0.0	30.0	1.11	10.72	-0.09	0.02	-5.58e-03	-0.24
92	146	5.50	8.46e-03	2.60e-05	-0.09	0.0	3.99	-11.37	0.12	-1.77e-03	-0.06	5.50
		2.08	-0.06	-1.09e-04	0.0	30.0	3.99	-11.47	0.12	-1.77e-03	8.46e-03	2.08
92	156	0.10	-0.02	-6.92e-05	-0.09	0.0	0.26	7.34	0.09	6.69e-03	-0.04	-2.08
		-2.08	-0.04	2.36e-05	0.0	30.0	0.26	7.24	0.09	6.69e-03	-0.02	0.10
92	159	4.12	0.03	7.65e-06	-0.09	0.0	4.83	-7.90	-0.05	7.78e-03	0.03	4.12
		1.75	0.03	-2.54e-05	0.0	30.0	4.83	-7.99	-0.05	7.78e-03	0.03	1.75
92	165	0.08	0.08	-5.87e-05	-0.09	0.0	2.86	7.50	-0.14	6.64e-03	0.08	-2.15
		-2.15	0.03	2.52e-05	0.0	30.0	2.86	7.41	-0.14	6.64e-03	0.03	0.08
92	166	4.19	-0.02	-4.40e-06	-0.09	0.0	2.24	-8.06	0.18	7.82e-03	-0.08	4.19
		1.76	-0.08	-2.69e-05	0.0	30.0	2.24	-8.15	0.18	7.82e-03	-0.02	1.76
92	177	-0.17	0.05	-8.83e-05	-0.09	0.0	1.18	10.28	-0.08	0.02	0.05	-3.24
		-3.24	-5.46e-03	1.06e-04	0.0	30.0	1.18	10.18	-0.08	0.02	-5.46e-03	-0.17
92	178	5.28	8.34e-03	2.67e-05	-0.09	0.0	3.91	-10.84	0.12	-1.74e-03	-0.06	5.28
		2.02	-0.06	-1.08e-04	0.0	30.0	3.91	-10.93	0.12	-1.74e-03	8.34e-03	2.02
92	188	0.14	-0.02	-6.94e-05	-0.09	0.0	0.32	7.01	0.08	6.66e-03	-0.04	-1.94
		-1.94	-0.04	2.26e-05	0.0	30.0	0.32	6.92	0.08	6.66e-03	-0.02	0.14
92	191	3.99	0.03	7.82e-06	-0.09	0.0	4.77	-7.57	-0.05	7.81e-03	0.03	3.99
		1.71	0.03	-2.43e-05	0.0	30.0	4.77	-7.66	-0.05	7.81e-03	0.03	1.71
92	197	0.12	0.07	-5.84e-05	-0.09	0.0	2.80	7.18	-0.14	6.56e-03	0.07	-2.01
		-2.01	0.02	2.33e-05	0.0	30.0	2.80	7.09	-0.14	6.56e-03	0.02	0.12
92	198	4.06	-0.02	-4.50e-06	-0.09	0.0	2.29	-7.74	0.17	7.90e-03	-0.08	4.06
		1.73	-0.08	-2.51e-05	0.0	30.0	2.29	-7.84	0.17	7.90e-03	-0.02	1.73
92	209	-0.33	0.06	-9.87e-05	-0.09	0.0	0.99	11.82	-0.10	0.02	0.06	-3.85
		-3.85	-6.62e-03	1.24e-04	0.0	30.0	0.99	11.73	-0.10	0.02	-6.62e-03	-0.33
92	210	5.90	9.50e-03	3.71e-05	-0.09	0.0	4.10	-12.38	0.14	-3.30e-03	-0.07	5.90
		2.18	-0.07	-1.26e-04	0.0	30.0	4.10	-12.48	0.14	-3.30e-03	9.50e-03	2.18
92	220	0.03	-0.03	-7.60e-05	-0.09	0.0	-0.03	8.10	0.09	6.51e-03	-0.04	-2.38
		-2.38	-0.04	2.62e-05	0.0	30.0	-0.03	8.00	0.09	6.51e-03	-0.03	0.03
92	223	4.43	0.04	1.45e-05	-0.09	0.0	5.12	-8.66	-0.06	7.96e-03	0.04	4.43
		1.82	0.03	-2.80e-05	0.0	30.0	5.12	-8.75	-0.06	7.96e-03	0.03	1.82
92	229	3.03e-03	0.09	-6.29e-05	-0.09	0.0	2.83	8.30	-0.16	6.38e-03	0.09	-2.47
		-2.47	0.03	2.63e-05	0.0	30.0	2.83	8.21	-0.16	6.38e-03	0.03	3.03e-03
92	230	4.51	-0.03	-2.50e-06	-0.09	0.0	2.27	-8.86	0.20	8.09e-03	-0.10	4.51
		1.85	-0.10	-2.80e-05	0.0	30.0	2.27	-8.96	0.20	8.09e-03	-0.03	1.85
93	4	1.25	-0.02	-4.16e-05	-0.12	0.0	3.01	-0.73	-0.21	0.01	-0.02	1.25
		1.01	-0.09	-1.92e-06	0.0	30.0	3.01	-0.86	-0.21	0.01	-0.09	1.01
93	18	1.24	-0.04	-3.68e-05	-0.12	0.0	2.53	-0.67	-0.33	0.01	-0.04	1.24
		1.02	-0.14	-2.33e-06	0.0	30.0	2.53	-0.80	-0.33	0.01	-0.14	1.02
93	19	0.91	-0.04	-1.56e-05	-0.09	0.0	1.38	-0.34	-0.32	5.72e-03	-0.04	0.91
		0.80	-0.14	-1.76e-06	0.0	30.0	1.38	-0.44	-0.32	5.72e-03	-0.14	0.80
93	31	0.94	0.04	-3.14e-05	-0.09	0.0	3.20	-0.53	0.07	9.02e-03	0.01	0.94
		0.77	0.01	0.0	0.0	30.0	3.20	-0.62	0.07	9.02e-03	0.04	0.77
93	44	1.21	0.06	-3.50e-05	-0.12	0.0	4.20	-0.60	0.13	0.01	0.02	1.21
		1.01	0.02	0.0	0.0	30.0	4.20	-0.72	0.13	0.01	0.06	1.01
93	45	0.88	0.06	-1.38e-05	-0.09	0.0	3.06	-0.27	0.13	5.35e-03	0.02	0.88
		0.79	0.02	1.53e-06	0.0	30.0	3.06	-0.36	0.13	5.35e-03	0.06	0.79
93	68	0.95	-0.02	-2.91e-05	-0.09	0.0	2.29	-0.52	-0.14	8.67e-03	-0.02	0.95
		0.78	-0.06	-1.32e-06	0.0	30.0	2.29	-0.62	-0.14	8.67e-03	-0.06	0.78
93	72	0.91	-0.03	-1.64e-05	-0.09	0.0	1.70	-0.35	-0.22	5.90e-03	-0.03	0.91
		0.79	-0.09	-1.33e-06	0.0	30.0	1.70	-0.44	-0.22	5.90e-03	-0.09	0.79
93	75	0.95	-0.03	-2.59e-05	-0.09	0.0	1.97	-0.48	-0.22	8.00e-03	-0.03	0.95
		0.79	-0.09	-1.59e-06	0.0	30.0	1.97	-0.58	-0.22	8.00e-03	-0.09	0.79
93	79	0.93	0.02	-2.69e-05	-0.09	0.0	2.91	-0.47	0.04	8.11e-03	0.01	0.93
		0.78	0.01	0.0	0.0	30.0	2.91	-0.57	0.04	8.11e-03	0.02	0.78
93	85	0.89	0.04	-1.52e-05	-0.09	0.0	2.82	-0.30	0.09	5.66e-03	0.02	0.89
		0.79	0.02	0.0	0.0	30.0	2.82	-0.39	0.09	5.66e-03	0.04	0.79
93	88	0.93	0.04	-2.47e-05	-0.09	0.0	3.09	-0.43	0.08	7.75e-03	0.02	0.93
		0.78	0.02	0.0	0.0	30.0	3.09	-0.53	0.08	7.75e-03	0.04	0.78
93	98	0.93	1.49e-03	-2.39e-05	-0.09	0.0	2.50	-0.44	-0.01	7.47e-03	1.49e-03	0.93
		0.78	-2.84e-03	0.0	0.0	30.0	2.50	-0.54	-0.01	7.47e-03	-2.84e-03	0.78
93	101	0.93	1.46e-03	-2.33e-05	-0.09	0.0	2.49	-0.44	-0.01	7.40e-03	1.46e-03	0.93
		0.78	-2.79e-03	0.0	0.0	30.0	2.49	-0.53	-0.01	7.40e-03	-2.79e-03	0.78
93	102	0.91	-4.58e-03	-1.59e-05	-0.09	0.0	2.17	-0.33	-0.05	5.82e-03	-4.58e-03	0.91
		0.79	-0.02	0.0	0.0	30.0	2.17	-0.43	-0.05	5.82e-03	-0.02	0.79
93	103	0.93	-4.26e-03	-2.28e-05	-0.09	0.0	2.35	-0.43	-0.05	7.25e-03	-4.26e-03	0.93
		0.78	-0.02	0.0	0.0	30.0	2.35	-0.52	-0.05	7.25e-03	-0.02	0.78
93	104	0.90	6.46e-03	-1.57e-05	-0.09	0.0	2.39	-0.32	8.15e-03	5.77e-03	4.01e-03	0.90
		0.79	4.01e-03	0.0	0.0	30.0	2.39	-0.42	8.15e-03	5.77e-03	6.46e-03	0.79
93	105	0.92	5.96e-03	-2.26e-05	-0.09	0.0	2.58	-0.42	5.42e-03	7.20e-03	4.33e-03	0.92
		0.78	4.33e-03	0.0	0.0	30.0	2.58	-0.51	5.42e-03	7.20e-03	5.96e-03	0.78
93	106	0.90	1.12e-03	-1.58e-05	-0.09	0.0	2.28	-0.33	-0.01	5.79e-03	1.12e-03	0.90
		0.79	-2.26e-03	0.0	0.0	30.0	2.28	-0.42	-0.01	5.79e-03	-2.26e-03	0.79
93	107	0.92	1.44e-03	-2.27e-05	-0.09	0.0	2.47	-0.43	-0.01	7.23e-03	1.44e-03	0.92

		0.78	-2.76e-03	0.0	0.0	30.0	2.47	-0.52	-0.01	7.23e-03	-2.76e-03	0.78
93	113	2.89	-4.79e-03	-7.56e-05	-0.09	0.0	1.79	10.00	0.04	0.02	-4.79e-03	-0.11
		-0.11	-9.35e-03	9.49e-05	0.0	30.0	1.79	9.91	0.04	0.02	-9.35e-03	2.89
93	114	1.96	7.67e-03	3.02e-05	-0.09	0.0	3.15	-10.86	-0.07	-7.60e-04	7.67e-03	1.96
		-1.33	3.83e-03	-9.61e-05	0.0	30.0	3.15	-10.95	-0.07	-7.60e-04	3.83e-03	-1.33
93	124	2.21	-0.02	-6.12e-05	-0.09	0.0	0.64	6.75	-0.07	6.75e-03	-0.02	0.19
		0.19	-0.05	2.09e-05	0.0	30.0	0.64	6.66	-0.07	6.75e-03	-0.05	2.21
93	127	1.66	0.04	1.58e-05	-0.09	0.0	4.30	-7.60	0.04	7.71e-03	0.02	1.66
		-0.65	0.02	-2.21e-05	0.0	30.0	4.30	-7.70	0.04	7.71e-03	0.04	-0.65
93	132	1.14	-0.03	-2.18e-05	-0.09	0.0	1.22	-2.34	-0.09	0.01	-0.03	1.14
		0.42	-0.06	3.44e-05	0.0	30.0	1.22	-2.43	-0.09	0.01	-0.06	0.42
93	135	1.14	0.06	-2.36e-05	-0.09	0.0	3.71	1.48	0.06	1.35e-03	0.03	0.71
		0.71	0.03	-3.56e-05	0.0	30.0	3.71	1.39	0.06	1.35e-03	0.06	1.14
93	145	3.15	-5.58e-03	-8.24e-05	-0.09	0.0	1.70	11.31	0.05	0.02	-5.58e-03	-0.24
		-0.24	-0.01	1.07e-04	0.0	30.0	1.70	11.21	0.05	0.02	-0.01	3.15
93	146	2.08	8.46e-03	3.70e-05	-0.09	0.0	3.23	-12.16	-0.07	-1.77e-03	8.46e-03	2.08
		-1.59	4.67e-03	-1.08e-04	0.0	30.0	3.23	-12.25	-0.07	-1.77e-03	4.67e-03	-1.59
93	156	2.39	-0.02	-6.60e-05	-0.09	0.0	0.41	7.64	-0.08	6.69e-03	-0.02	0.10
		0.10	-0.05	2.35e-05	0.0	30.0	0.41	7.54	-0.08	6.69e-03	-0.05	2.39
93	159	1.75	0.05	2.06e-05	-0.09	0.0	4.53	-8.49	0.05	7.78e-03	0.03	1.75
		-0.83	0.03	-2.47e-05	0.0	30.0	4.53	-8.58	0.05	7.78e-03	0.05	-0.83
93	164	1.16	-0.03	-2.18e-05	-0.09	0.0	1.07	-2.57	-0.10	0.01	-0.03	1.16
		0.38	-0.07	3.90e-05	0.0	30.0	1.07	-2.66	-0.10	0.01	-0.07	0.38
93	167	1.19	0.06	-2.36e-05	-0.09	0.0	3.86	1.71	0.07	5.90e-04	0.03	0.68
		0.68	0.03	-4.02e-05	0.0	30.0	3.86	1.62	0.07	5.90e-04	0.06	1.19
93	177	3.05	-5.46e-03	-8.37e-05	-0.09	0.0	1.76	10.74	0.04	0.02	-5.46e-03	-0.17
		-0.17	-9.84e-03	1.06e-04	0.0	30.0	1.76	10.64	0.04	0.02	-9.84e-03	3.05
93	178	2.02	8.34e-03	3.83e-05	-0.09	0.0	3.18	-11.59	-0.07	-1.74e-03	8.34e-03	2.02
		-1.48	4.32e-03	-1.07e-04	0.0	30.0	3.18	-11.69	-0.07	-1.74e-03	4.32e-03	-1.48
93	188	2.32	-0.02	-6.65e-05	-0.09	0.0	0.45	7.29	-0.08	6.66e-03	-0.02	0.14
		0.14	-0.05	2.24e-05	0.0	30.0	0.45	7.19	-0.08	6.66e-03	-0.05	2.32
93	191	1.71	0.05	2.11e-05	-0.09	0.0	4.48	-8.14	0.05	7.81e-03	0.03	1.71
		-0.76	0.03	-2.36e-05	0.0	30.0	4.48	-8.23	0.05	7.81e-03	0.05	-0.76
93	196	1.16	-0.03	-2.28e-05	-0.09	0.0	1.16	-2.53	-0.10	0.01	-0.03	1.16
		0.39	-0.07	4.06e-05	0.0	30.0	1.16	-2.63	-0.10	0.01	-0.07	0.39
93	199	1.18	0.06	-2.26e-05	-0.09	0.0	3.78	1.68	0.07	5.15e-04	0.03	0.69
		0.69	0.03	-4.18e-05	0.0	30.0	3.78	1.59	0.07	5.15e-04	0.06	1.18
93	209	3.38	-6.62e-03	-9.51e-05	-0.09	0.0	1.67	12.37	0.05	0.02	-6.62e-03	-0.33
		-0.33	-0.01	1.24e-04	0.0	30.0	1.67	12.27	0.05	0.02	-0.01	3.38
93	210	2.18	9.50e-03	4.97e-05	-0.09	0.0	3.27	-13.22	-0.08	-3.30e-03	9.50e-03	2.18
		-1.82	5.41e-03	-1.25e-04	0.0	30.0	3.27	-13.32	-0.08	-3.30e-03	5.41e-03	-1.82
93	220	2.56	-0.03	-7.41e-05	-0.09	0.0	0.14	8.44	-0.09	6.51e-03	-0.03	0.03
		0.03	-0.06	2.60e-05	0.0	30.0	0.14	8.34	-0.09	6.51e-03	-0.06	2.56
93	223	1.82	0.05	2.87e-05	-0.09	0.0	4.80	-9.29	0.06	7.96e-03	0.03	1.82
		-0.99	0.03	-2.72e-05	0.0	30.0	4.80	-9.39	0.06	7.96e-03	0.05	-0.99
93	228	1.20	-0.04	-2.37e-05	-0.09	0.0	0.97	-2.88	-0.11	0.02	-0.04	1.20
		0.32	-0.08	4.90e-05	0.0	30.0	0.97	-2.98	-0.11	0.02	-0.08	0.32
93	231	1.24	0.07	-2.17e-05	-0.09	0.0	3.96	2.03	0.09	-7.36e-04	0.04	0.65
		0.65	0.04	-5.02e-05	0.0	30.0	3.96	1.94	0.09	-7.36e-04	0.07	1.24
94	9	1.04	0.05	-3.55e-05	-0.24	0.0	2.78	-0.16	0.22	9.11e-03	-0.08	1.04
		0.87	-0.08	-1.70e-05	0.0	60.0	2.78	-0.41	0.22	9.11e-03	0.05	0.87
94	18	1.02	0.08	-5.90e-05	-0.24	0.0	2.42	-0.15	0.37	0.01	-0.14	1.02
		0.86	-0.14	-2.76e-05	0.0	60.0	2.42	-0.39	0.37	0.01	0.08	0.86
94	19	0.80	0.09	-1.65e-05	-0.19	0.0	1.68	-0.13	0.37	5.71e-03	-0.14	0.80
		0.66	-0.14	-2.61e-05	0.0	60.0	1.68	-0.32	0.37	5.71e-03	0.09	0.66
94	21	0.78	0.09	-4.40e-05	-0.19	0.0	1.66	-0.12	0.37	8.23e-03	-0.14	0.78
		0.66	-0.14	-2.69e-05	0.0	60.0	1.66	-0.30	0.37	8.23e-03	0.09	0.66
94	42	1.03	0.06	-2.64e-05	-0.24	0.0	4.11	-0.18	-0.19	8.18e-03	0.06	1.03
		0.85	-0.05	1.27e-05	0.0	60.0	4.11	-0.43	-0.19	8.18e-03	-0.05	0.85
94	47	0.77	0.06	-3.90e-05	-0.19	0.0	3.32	-0.13	-0.19	7.86e-03	0.06	0.77
		0.64	-0.05	1.25e-05	0.0	60.0	3.32	-0.32	-0.19	7.86e-03	-0.05	0.64
94	69	0.80	0.03	-2.42e-05	-0.19	0.0	2.18	-0.13	0.15	6.68e-03	-0.06	0.80
		0.67	-0.06	-1.15e-05	0.0	60.0	2.18	-0.32	0.15	6.68e-03	0.03	0.67
94	72	0.79	0.06	-1.82e-05	-0.19	0.0	1.94	-0.14	0.25	5.90e-03	-0.09	0.79
		0.66	-0.09	-1.79e-05	0.0	60.0	1.94	-0.32	0.25	5.90e-03	0.06	0.66
94	74	0.78	0.06	-3.66e-05	-0.19	0.0	1.93	-0.12	0.25	7.57e-03	-0.09	0.78
		0.65	-0.09	-1.84e-05	0.0	60.0	1.93	-0.31	0.25	7.57e-03	0.06	0.65
94	75	0.79	0.06	-3.99e-05	-0.19	0.0	1.94	-0.12	0.25	7.99e-03	-0.09	0.79
		0.66	-0.09	-1.85e-05	0.0	60.0	1.94	-0.31	0.25	7.99e-03	0.06	0.66
94	86	0.79	0.04	-1.82e-05	-0.19	0.0	3.06	-0.14	-0.12	6.07e-03	0.04	0.79
		0.65	-0.03	8.32e-06	0.0	60.0	3.06	-0.33	-0.12	6.07e-03	-0.03	0.65
94	87	0.78	0.04	-3.32e-05	-0.19	0.0	3.04	-0.13	-0.12	7.33e-03	0.04	0.78
		0.64	-0.03	7.87e-06	0.0	60.0	3.04	-0.32	-0.12	7.33e-03	-0.03	0.64
94	99	0.79	-2.29e-03	-1.80e-05	-0.19	0.0	2.47	-0.14	-1.81e-04	5.95e-03	-2.29e-03	0.79
		0.65	-2.39e-03	-1.33e-06	0.0	60.0	2.47	-0.33	-1.81e-04	5.95e-03	-2.39e-03	0.65

94	102	0.79	9.41e-03	-1.70e-05	-0.19	0.0	2.36	-0.14	0.05	5.81e-03	-0.02	0.79
		0.65	-0.02	-4.60e-06	0.0	60.0	2.36	-0.33	0.05	5.81e-03	9.41e-03	0.65
94	103	0.78	8.88e-03	-3.27e-05	-0.19	0.0	2.35	-0.13	0.05	7.25e-03	-0.02	0.78
		0.65	-0.02	-5.08e-06	0.0	60.0	2.35	-0.32	0.05	7.25e-03	8.88e-03	0.65
94	104	0.79	6.46e-03	-1.63e-05	-0.19	0.0	2.58	-0.14	-0.02	5.76e-03	6.46e-03	0.79
		0.65	-8.46e-03	0.0	0.0	60.0	2.58	-0.33	-0.02	5.76e-03	-8.46e-03	0.65
94	105	0.78	5.96e-03	-3.21e-05	-0.19	0.0	2.57	-0.13	-0.02	7.20e-03	5.96e-03	0.78
		0.65	-8.99e-03	0.0	0.0	60.0	2.57	-0.32	-0.02	7.20e-03	-8.99e-03	0.65
94	106	0.79	-2.26e-03	-1.67e-05	-0.19	0.0	2.47	-0.14	-1.73e-04	5.79e-03	-2.26e-03	0.79
		0.65	-2.36e-03	-1.28e-06	0.0	60.0	2.47	-0.33	-1.73e-04	5.79e-03	-2.36e-03	0.65
94	107	0.78	-2.76e-03	-3.24e-05	-0.19	0.0	2.45	-0.13	-2.27e-04	7.23e-03	-2.76e-03	0.78
		0.65	-2.90e-03	-1.76e-06	0.0	60.0	2.45	-0.32	-2.27e-04	7.23e-03	-2.90e-03	0.65
94	113	2.89	-9.35e-03	-1.71e-05	-0.19	0.0	11.11	-2.79	0.02	0.02	-9.35e-03	2.89
		1.03	-0.02	1.89e-04	0.0	60.0	11.11	-2.98	0.02	0.02	-0.02	1.03
94	114	0.26	0.02	-4.92e-05	-0.19	0.0	-6.20	2.53	-0.02	-7.61e-04	3.83e-03	-1.33
		-1.33	3.83e-03	-1.92e-04	0.0	60.0	-6.20	2.34	-0.02	-7.61e-04	0.02	0.26
94	132	1.00	0.02	-8.70e-05	-0.19	0.0	-0.92	0.34	0.15	0.01	-0.06	0.42
		0.42	-0.06	5.87e-05	0.0	60.0	-0.92	0.15	0.15	0.01	0.02	1.00
94	135	1.14	0.06	2.21e-05	-0.19	0.0	5.83	-0.60	-0.15	1.34e-03	0.06	1.14
		0.30	-0.03	-6.22e-05	0.0	60.0	5.83	-0.79	-0.15	1.34e-03	-0.03	0.30
94	145	3.15	-0.01	-1.60e-05	-0.19	0.0	12.19	-3.12	0.02	0.02	-0.01	3.15
		1.08	-0.03	2.13e-04	0.0	60.0	12.19	-3.31	0.02	0.02	-0.03	1.08
94	146	0.21	0.02	-5.14e-05	-0.19	0.0	-7.28	2.86	-0.02	-1.77e-03	4.67e-03	-1.59
		-1.59	4.67e-03	-2.16e-04	0.0	60.0	-7.28	2.67	-0.02	-1.77e-03	0.02	0.21
94	164	1.04	0.02	-9.38e-05	-0.19	0.0	-1.33	0.40	0.17	0.01	-0.07	0.38
		0.38	-0.07	6.68e-05	0.0	60.0	-1.33	0.21	0.17	0.01	0.02	1.04
94	167	1.19	0.06	2.89e-05	-0.19	0.0	6.24	-0.66	-0.17	5.85e-04	0.06	1.19
		0.25	-0.03	-7.03e-05	0.0	60.0	6.24	-0.85	-0.17	5.85e-04	-0.03	0.25
94	177	3.05	-9.84e-03	-1.42e-05	-0.19	0.0	11.77	-2.98	0.02	0.02	-9.84e-03	3.05
		1.06	-0.02	2.11e-04	0.0	60.0	11.77	-3.17	0.02	0.02	-0.02	1.06
94	178	0.23	0.02	-5.39e-05	-0.19	0.0	-6.87	2.72	-0.02	-1.74e-03	4.32e-03	-1.48
		-1.48	4.32e-03	-2.14e-04	0.0	60.0	-6.87	2.53	-0.02	-1.74e-03	0.02	0.23
94	196	1.03	0.02	-9.36e-05	-0.19	0.0	-1.33	0.39	0.16	0.01	-0.07	0.39
		0.39	-0.07	7.00e-05	0.0	60.0	-1.33	0.20	0.16	0.01	0.02	1.03
94	199	1.18	0.06	2.87e-05	-0.19	0.0	6.23	-0.65	-0.16	5.11e-04	0.06	1.18
		0.27	-0.03	-7.36e-05	0.0	60.0	6.23	-0.84	-0.16	5.11e-04	-0.03	0.27
94	209	3.38	-0.01	-1.20e-05	-0.19	0.0	13.16	-3.40	0.02	0.02	-0.01	3.38
		1.13	-0.03	2.47e-04	0.0	60.0	13.16	-3.59	0.02	0.02	-0.03	1.13
94	210	0.17	0.02	-5.88e-05	-0.19	0.0	-8.25	3.14	-0.02	-3.30e-03	5.41e-03	-1.82
		-1.82	5.41e-03	-2.50e-04	0.0	60.0	-8.25	2.95	-0.02	-3.30e-03	0.02	0.17
94	228	1.08	0.03	-1.04e-04	-0.19	0.0	-1.96	0.47	0.19	0.02	-0.08	0.32
		0.32	-0.08	8.50e-05	0.0	60.0	-1.96	0.28	0.19	0.02	0.03	1.08
94	231	1.24	0.07	3.89e-05	-0.19	0.0	6.87	-0.73	-0.19	-7.41e-04	0.07	1.24
		0.21	-0.03	-8.85e-05	0.0	60.0	6.87	-0.92	-0.19	-7.41e-04	-0.03	0.21
95	12	0.03	-0.03	1.32e-05	-0.13	0.0	-0.28	-0.04	0.10	6.90e-03	-0.07	0.03
		-8.58e-03	-0.07	-4.15e-06	0.0	40.0	-0.28	-0.16	0.10	6.90e-03	-0.03	-8.58e-03
95	18	-0.08	-0.05	0.0	-0.16	0.0	-0.25	-0.43	0.17	0.01	-0.12	-0.08
		-0.28	-0.12	-7.02e-06	0.0	40.0	-0.25	-0.60	0.17	0.01	-0.05	-0.28
95	19	-0.04	-0.03	1.64e-05	-0.13	0.0	-0.84	-0.03	0.20	5.72e-03	-0.11	-0.04
		-0.07	-0.11	-4.69e-06	0.0	40.0	-0.84	-0.16	0.20	5.72e-03	-0.03	-0.07
95	27	-0.22	0.02	-4.92e-06	-0.16	0.0	1.55	-0.56	-0.14	0.01	0.02	-0.22
		-0.48	-0.04	-4.13e-06	0.0	40.0	1.55	-0.73	-0.14	0.01	-0.04	-0.48
95	44	-0.18	0.04	0.0	-0.16	0.0	1.90	-0.42	-0.18	0.01	0.04	-0.18
		-0.38	-0.03	-3.20e-06	0.0	40.0	1.90	-0.58	-0.18	0.01	-0.03	-0.38
95	45	-0.14	0.04	1.55e-05	-0.13	0.0	1.31	-0.02	-0.14	5.35e-03	0.04	-0.14
		-0.17	-0.01	0.0	0.0	40.0	1.31	-0.14	-0.14	5.35e-03	-0.01	-0.17
95	69	-8.35e-03	-0.03	1.28e-05	-0.13	0.0	-0.09	-0.06	0.06	6.69e-03	-0.05	-8.35e-03
		-0.06	-0.05	-3.68e-06	0.0	40.0	-0.09	-0.19	0.06	6.69e-03	-0.03	-0.06
95	72	-0.05	-0.03	1.49e-05	-0.13	0.0	-0.46	-0.06	0.12	5.90e-03	-0.08	-0.05
		-0.10	-0.08	-4.04e-06	0.0	40.0	-0.46	-0.18	0.12	5.90e-03	-0.03	-0.10
95	75	-0.06	-0.04	3.45e-06	-0.13	0.0	-0.16	-0.28	0.11	8.00e-03	-0.08	-0.06
		-0.20	-0.08	-4.94e-06	0.0	40.0	-0.16	-0.40	0.11	8.00e-03	-0.04	-0.20
95	79	-0.16	0.01	0.0	-0.13	0.0	1.04	-0.37	-0.10	8.11e-03	0.01	-0.16
		-0.33	-0.03	-3.01e-06	0.0	40.0	1.04	-0.49	-0.10	8.11e-03	-0.03	-0.33
95	85	-0.12	0.03	1.44e-05	-0.13	0.0	0.98	-0.05	-0.10	5.66e-03	0.03	-0.12
		-0.16	-0.01	-1.49e-06	0.0	40.0	0.98	-0.18	-0.10	5.66e-03	-0.01	-0.16
95	88	-0.13	0.02	2.90e-06	-0.13	0.0	1.27	-0.27	-0.12	7.75e-03	0.02	-0.13
		-0.26	-0.02	-2.39e-06	0.0	40.0	1.27	-0.39	-0.12	7.75e-03	-0.02	-0.26
95	98	-0.12	-8.51e-03	4.18e-06	-0.13	0.0	0.48	-0.28	-0.05	7.47e-03	-8.51e-03	-0.12
		-0.26	-0.03	-3.29e-06	0.0	40.0	0.48	-0.40	-0.05	7.47e-03	-0.03	-0.26
95	99	-0.07	-6.80e-03	1.42e-05	-0.13	0.0	0.25	-0.06	-0.03	5.96e-03	-6.80e-03	-0.07
		-0.12	-0.02	-2.56e-06	0.0	40.0	0.25	-0.19	-0.03	5.96e-03	-0.02	-0.12
95	102	-0.08	-0.02	1.47e-05	-0.13	0.0	0.10	-0.06	-1.09e-03	5.82e-03	-0.02	-0.08
		-0.13	-0.02	-2.82e-06	0.0	40.0	0.10	-0.18	-1.09e-03	5.82e-03	-0.02	-0.13
95	103	-0.11	-0.02	5.73e-06	-0.13	0.0	0.31	-0.25	-0.01	7.26e-03	-0.02	-0.11

		-0.23	-0.03	-3.49e-06	0.0	40.0	0.31	-0.37	-0.01	7.26e-03	-0.03	-0.23
95	104	-0.09	4.29e-05	1.46e-05	-0.13	0.0	0.38	-0.06	-0.05	5.77e-03	4.29e-05	-0.09
		-0.14	-0.02	-2.31e-06	0.0	40.0	0.38	-0.18	-0.05	5.77e-03	-0.02	-0.14
95	105	-0.12	-1.51e-03	5.62e-06	-0.13	0.0	0.60	-0.24	-0.06	7.21e-03	-1.51e-03	-0.12
		-0.25	-0.03	-2.98e-06	0.0	40.0	0.60	-0.37	-0.06	7.21e-03	-0.03	-0.25
95	106	-0.08	-6.69e-03	1.46e-05	-0.13	0.0	0.23	-0.06	-0.03	5.80e-03	-6.69e-03	-0.08
		-0.13	-0.02	-2.52e-06	0.0	40.0	0.23	-0.18	-0.03	5.80e-03	-0.02	-0.13
95	107	-0.12	-8.25e-03	5.67e-06	-0.13	0.0	0.45	-0.25	-0.04	7.23e-03	-8.25e-03	-0.12
		-0.24	-0.03	-3.18e-06	0.0	40.0	0.45	-0.37	-0.04	7.23e-03	-0.03	-0.24
95	113	-4.32	-0.01	-1.51e-04	-0.13	0.0	-1.36	4.86	-0.10	0.02	-0.01	-6.24
		-6.24	-0.03	1.25e-04	0.0	40.0	-1.36	4.74	-0.10	0.02	-0.03	-4.32
95	114	6.01	-4.00e-03	1.62e-04	-0.13	0.0	2.25	-5.35	0.01	-7.61e-04	-4.00e-03	6.01
		3.84	-0.02	-1.32e-04	0.0	40.0	2.25	-5.48	0.01	-7.61e-04	-0.02	3.84
95	124	-2.89	-0.05	-9.88e-05	-0.13	0.0	-4.47	3.42	-2.82e-03	6.76e-03	-0.05	-4.22
		-4.22	-0.05	2.23e-05	0.0	40.0	-4.47	3.30	-2.82e-03	6.76e-03	-0.05	-2.89
95	127	3.99	0.03	1.10e-04	-0.13	0.0	5.36	-3.92	-0.09	7.71e-03	0.03	3.99
		2.41	-6.41e-03	-2.86e-05	0.0	40.0	5.36	-4.04	-0.09	7.71e-03	-6.41e-03	2.41
95	132	1.13	-0.05	1.39e-05	-0.13	0.0	-2.91	-1.04	0.03	0.01	-0.06	1.13
		0.70	-0.06	4.03e-05	0.0	40.0	-2.91	-1.16	0.03	0.01	-0.05	0.70
95	135	-1.18	0.05	-2.57e-06	-0.13	0.0	3.80	0.55	-0.12	1.35e-03	0.05	-1.36
		-1.36	-7.07e-03	-4.66e-05	0.0	40.0	3.80	0.42	-0.12	1.35e-03	-7.07e-03	-1.18
95	145	-4.83	-0.01	-1.71e-04	-0.13	0.0	-1.58	5.50	-0.11	0.02	-0.01	-7.00
		-7.00	-0.03	1.42e-04	0.0	40.0	-1.58	5.37	-0.11	0.02	-0.03	-4.83
95	146	6.77	-3.45e-03	1.82e-04	-0.13	0.0	2.48	-5.99	0.02	-1.77e-03	-3.45e-03	6.77
		4.35	-0.02	-1.48e-04	0.0	40.0	2.48	-6.12	0.02	-1.77e-03	-0.02	4.35
95	156	-3.21	-0.05	-1.12e-04	-0.13	0.0	-5.08	3.88	2.31e-03	6.69e-03	-0.06	-4.73
		-4.73	-0.06	2.54e-05	0.0	40.0	-5.08	3.75	2.31e-03	6.69e-03	-0.05	-3.21
95	159	4.50	0.04	1.23e-04	-0.13	0.0	5.98	-4.37	-0.09	7.78e-03	0.04	4.50
		2.73	-4.00e-03	-3.17e-05	0.0	40.0	5.98	-4.50	-0.09	7.78e-03	-4.00e-03	2.73
95	164	1.28	-0.05	1.48e-05	-0.13	0.0	-3.32	-1.13	0.04	0.01	-0.07	1.28
		0.81	-0.07	4.61e-05	0.0	40.0	-3.32	-1.26	0.04	0.01	-0.05	0.81
95	167	-1.29	0.05	-3.50e-06	-0.13	0.0	4.21	0.64	-0.13	5.92e-04	0.05	-1.52
		-1.52	-4.73e-03	-5.24e-05	0.0	40.0	4.21	0.51	-0.13	5.92e-04	-4.73e-03	-1.29
95	177	-4.60	-0.01	-1.66e-04	-0.13	0.0	-1.46	5.22	-0.10	0.02	-0.01	-6.66
		-6.66	-0.03	1.40e-04	0.0	40.0	-1.46	5.10	-0.10	0.02	-0.03	-4.60
95	178	6.43	-3.72e-03	1.78e-04	-0.13	0.0	2.35	-5.72	0.01	-1.74e-03	-3.72e-03	6.43
		4.12	-0.02	-1.47e-04	0.0	40.0	2.35	-5.84	0.01	-1.74e-03	-0.02	4.12
95	188	-3.06	-0.05	-1.10e-04	-0.13	0.0	-4.96	3.71	1.20e-03	6.66e-03	-0.05	-4.52
		-4.52	-0.05	2.37e-05	0.0	40.0	-4.96	3.59	1.20e-03	6.66e-03	-0.05	-3.06
95	191	4.29	0.04	1.22e-04	-0.13	0.0	5.86	-4.21	-0.09	7.81e-03	0.04	4.29
		2.58	-4.59e-03	-3.01e-05	0.0	40.0	5.86	-4.33	-0.09	7.81e-03	-4.59e-03	2.58
95	196	1.27	-0.05	1.60e-05	-0.13	0.0	-3.12	-1.11	0.04	0.01	-0.07	1.27
		0.80	-0.07	4.81e-05	0.0	40.0	-3.12	-1.24	0.04	0.01	-0.05	0.80
95	199	-1.28	0.05	-4.67e-06	-0.13	0.0	4.02	0.62	-0.13	5.17e-04	0.05	-1.50
		-1.50	-5.25e-03	-5.45e-05	0.0	40.0	4.02	0.49	-0.13	5.17e-04	-5.25e-03	-1.28
95	209	-5.24	-0.01	-1.94e-04	-0.13	0.0	-1.72	6.02	-0.11	0.02	-0.01	-7.62
		-7.62	-0.04	1.65e-04	0.0	40.0	-1.72	5.90	-0.11	0.02	-0.04	-5.24
95	210	7.38	-3.04e-03	2.05e-04	-0.13	0.0	2.62	-6.52	0.02	-3.30e-03	-3.04e-03	7.38
		4.76	-0.02	-1.71e-04	0.0	40.0	2.62	-6.64	0.02	-3.30e-03	-0.02	4.76
95	220	-3.48	-0.05	-1.29e-04	-0.13	0.0	-5.82	4.31	8.53e-03	6.51e-03	-0.06	-5.17
		-5.17	-0.06	2.76e-05	0.0	40.0	-5.82	4.18	8.53e-03	6.51e-03	-0.05	-3.48
95	223	4.94	0.04	1.40e-04	-0.13	0.0	6.72	-4.80	-0.10	7.96e-03	0.04	4.94
		3.00	-1.10e-03	-3.40e-05	0.0	40.0	6.72	-4.93	-0.10	7.96e-03	-1.10e-03	3.00
95	228	1.50	-0.05	1.76e-05	-0.13	0.0	-3.66	-1.25	0.05	0.02	-0.08	1.50
		0.98	-0.08	5.86e-05	0.0	40.0	-3.66	-1.38	0.05	0.02	-0.05	0.98
95	231	-1.46	0.06	-6.25e-06	-0.13	0.0	4.56	0.76	-0.14	-7.35e-04	0.06	-1.73
		-1.73	-1.71e-03	-6.50e-05	0.0	40.0	4.56	0.63	-0.14	-7.35e-04	-1.71e-03	-1.46
96	12	-8.58e-03	3.04e-03	1.31e-05	-0.13	0.0	-0.15	-0.04	0.08	6.90e-03	-0.03	-8.58e-03
		-0.05	-0.03	-6.53e-06	0.0	40.0	-0.15	-0.16	0.08	6.90e-03	3.04e-03	-0.05
96	18	-0.28	6.10e-03	-4.58e-06	-0.16	0.0	0.02	-0.26	0.15	0.01	-0.05	-0.28
		-0.42	-0.05	-1.13e-05	0.0	40.0	0.02	-0.42	0.15	0.01	6.10e-03	-0.42
96	19	-0.07	2.05e-03	1.49e-05	-0.13	0.0	-0.67	0.02	0.08	5.72e-03	-0.03	-0.07
		-0.09	-0.03	-6.61e-06	0.0	40.0	-0.67	-0.11	0.08	5.72e-03	2.05e-03	-0.09
96	27	-0.48	8.78e-03	-1.44e-05	-0.16	0.0	1.58	-0.26	0.12	0.01	-0.04	-0.48
		-0.62	-0.04	-8.80e-06	0.0	40.0	1.58	-0.43	0.12	0.01	8.78e-03	-0.62
96	28	-0.44	9.03e-03	-1.50e-05	-0.16	0.0	1.66	-0.30	0.12	0.01	-0.04	-0.44
		-0.59	-0.04	-9.20e-06	0.0	40.0	1.66	-0.46	0.12	0.01	9.03e-03	-0.59
96	44	-0.38	8.53e-03	-7.22e-06	-0.16	0.0	1.85	-0.19	0.10	0.01	-0.03	-0.38
		-0.49	-0.03	-7.50e-06	0.0	40.0	1.85	-0.35	0.10	0.01	8.53e-03	-0.49
96	69	-0.06	3.33e-03	1.18e-05	-0.13	0.0	0.01	-0.03	0.08	6.69e-03	-0.03	-0.06
		-0.10	-0.03	-6.07e-06	0.0	40.0	0.01	-0.16	0.08	6.69e-03	3.33e-03	-0.10
96	72	-0.10	2.67e-03	1.29e-05	-0.13	0.0	-0.33	5.42e-03	0.08	5.90e-03	-0.03	-0.10
		-0.13	-0.03	-6.11e-06	0.0	40.0	-0.33	-0.12	0.08	5.90e-03	2.67e-03	-0.13
96	75	-0.20	4.38e-03	0.0	-0.13	0.0	0.02	-0.16	0.10	8.00e-03	-0.04	-0.20
		-0.29	-0.04	-8.00e-06	0.0	40.0	0.02	-0.28	0.10	8.00e-03	4.38e-03	-0.29

96	79	-0.33	6.17e-03	-6.97e-06	-0.13	0.0	1.06	-0.16	0.08	8.11e-03	-0.03	-0.33
		-0.42	-0.03	-6.34e-06	0.0	40.0	1.06	-0.28	0.08	8.11e-03	6.17e-03	-0.42
96	80	-0.30	6.34e-03	-7.39e-06	-0.13	0.0	1.12	-0.18	0.09	8.53e-03	-0.03	-0.30
		-0.40	-0.03	-6.60e-06	0.0	40.0	1.12	-0.31	0.09	8.53e-03	6.34e-03	-0.40
96	88	-0.26	6.01e-03	-2.19e-06	-0.13	0.0	1.24	-0.11	0.07	7.75e-03	-0.02	-0.26
		-0.33	-0.02	-5.47e-06	0.0	40.0	1.24	-0.24	0.07	7.75e-03	6.01e-03	-0.33
96	98	-0.26	5.02e-03	0.0	-0.13	0.0	0.56	-0.11	0.08	7.47e-03	-0.03	-0.26
		-0.33	-0.03	-6.30e-06	0.0	40.0	0.56	-0.24	0.08	7.47e-03	5.02e-03	-0.33
96	99	-0.12	3.55e-03	1.19e-05	-0.13	0.0	0.28	0.02	0.06	5.96e-03	-0.02	-0.12
		-0.14	-0.02	-4.78e-06	0.0	40.0	0.28	-0.11	0.06	5.96e-03	3.55e-03	-0.14
96	102	-0.13	3.32e-03	1.22e-05	-0.13	0.0	0.14	0.02	0.06	5.82e-03	-0.02	-0.13
		-0.14	-0.02	-4.96e-06	0.0	40.0	0.14	-0.11	0.06	5.82e-03	3.32e-03	-0.14
96	103	-0.23	4.64e-03	1.13e-06	-0.13	0.0	0.40	-0.10	0.08	7.26e-03	-0.03	-0.23
		-0.30	-0.03	-6.36e-06	0.0	40.0	0.40	-0.22	0.08	7.26e-03	4.64e-03	-0.30
96	105	-0.25	4.96e-03	0.0	-0.13	0.0	0.64	-0.09	0.07	7.21e-03	-0.03	-0.25
		-0.31	-0.03	-5.85e-06	0.0	40.0	0.64	-0.22	0.07	7.21e-03	4.96e-03	-0.31
96	106	-0.13	3.48e-03	1.20e-05	-0.13	0.0	0.26	0.02	0.06	5.80e-03	-0.02	-0.13
		-0.15	-0.02	-4.68e-06	0.0	40.0	0.26	-0.10	0.06	5.80e-03	3.48e-03	-0.15
96	107	-0.24	4.80e-03	0.0	-0.13	0.0	0.52	-0.10	0.08	7.23e-03	-0.03	-0.24
		-0.30	-0.03	-6.07e-06	0.0	40.0	0.52	-0.22	0.08	7.23e-03	4.80e-03	-0.30
96	113	-2.07	-0.03	-1.73e-04	-0.13	0.0	-1.08	5.70	-0.01	0.02	-0.03	-4.32
		-4.32	-0.03	1.22e-04	0.0	40.0	-1.08	5.57	-0.01	0.02	-0.03	-2.07
96	114	3.84	0.04	1.75e-04	-0.13	0.0	2.11	-5.89	0.17	-7.61e-04	-0.02	3.84
		1.46	-0.02	-1.34e-04	0.0	40.0	2.11	-6.01	0.17	-7.61e-04	0.04	1.46
96	124	-0.13	6.07e-03	-1.20e-04	-0.13	0.0	-4.07	3.88	0.10	6.76e-03	-0.05	-2.89
		-2.89	-0.05	1.75e-05	0.0	40.0	-4.07	3.76	0.10	6.76e-03	6.07e-03	-0.13
96	127	2.41	3.53e-03	1.22e-04	-0.13	0.0	5.10	-4.07	0.06	7.71e-03	-6.41e-03	2.41
		-0.47	-6.41e-03	-2.96e-05	0.0	40.0	5.10	-4.20	0.06	7.71e-03	3.53e-03	-0.47
96	145	-2.29	-0.03	-1.95e-04	-0.13	0.0	-1.28	6.42	-0.02	0.02	-0.03	-4.83
		-4.83	-0.04	1.39e-04	0.0	40.0	-1.28	6.30	-0.02	0.02	-0.04	-2.29
96	146	4.35	0.05	1.97e-04	-0.13	0.0	2.31	-6.61	0.18	-1.77e-03	-0.02	4.35
		1.68	-0.02	-1.51e-04	0.0	40.0	2.31	-6.74	0.18	-1.77e-03	0.05	1.68
96	156	-0.11	6.19e-03	-1.35e-04	-0.13	0.0	-4.64	4.38	0.10	6.69e-03	-0.05	-3.21
		-3.21	-0.05	2.03e-05	0.0	40.0	-4.64	4.25	0.10	6.69e-03	6.19e-03	-0.11
96	159	2.73	3.41e-03	1.37e-04	-0.13	0.0	5.67	-4.57	0.05	7.78e-03	-4.00e-03	2.73
		-0.49	-4.00e-03	-3.25e-05	0.0	40.0	5.67	-4.69	0.05	7.78e-03	3.41e-03	-0.49
96	177	-2.19	-0.03	-1.94e-04	-0.13	0.0	-1.18	6.10	-0.02	0.02	-0.03	-4.60
		-4.60	-0.04	1.37e-04	0.0	40.0	-1.18	5.97	-0.02	0.02	-0.04	-2.19
96	178	4.12	0.05	1.95e-04	-0.13	0.0	2.21	-6.29	0.17	-1.74e-03	-0.02	4.12
		1.59	-0.02	-1.49e-04	0.0	40.0	2.21	-6.41	0.17	-1.74e-03	0.05	1.59
96	188	-0.13	5.76e-03	-1.35e-04	-0.13	0.0	-4.53	4.18	0.10	6.66e-03	-0.05	-3.06
		-3.06	-0.05	1.87e-05	0.0	40.0	-4.53	4.05	0.10	6.66e-03	5.76e-03	-0.13
96	191	2.58	3.83e-03	1.37e-04	-0.13	0.0	5.57	-4.37	0.06	7.81e-03	-4.59e-03	2.58
		-0.48	-4.59e-03	-3.08e-05	0.0	40.0	5.57	-4.49	0.06	7.81e-03	3.83e-03	-0.48
96	209	-2.46	-0.04	-2.26e-04	-0.13	0.0	-1.42	7.00	-0.03	0.02	-0.04	-5.24
		-5.24	-0.04	1.62e-04	0.0	40.0	-1.42	6.87	-0.03	0.02	-0.04	-2.46
96	210	4.76	0.05	2.28e-04	-0.13	0.0	2.45	-7.19	0.19	-3.30e-03	-0.02	4.76
		1.86	-0.02	-1.74e-04	0.0	40.0	2.45	-7.31	0.19	-3.30e-03	0.05	1.86
96	220	-0.10	5.79e-03	-1.58e-04	-0.13	0.0	-5.34	4.81	0.10	6.51e-03	-0.05	-3.48
		-3.48	-0.05	2.22e-05	0.0	40.0	-5.34	4.69	0.10	6.51e-03	5.79e-03	-0.10
96	223	3.00	3.81e-03	1.60e-04	-0.13	0.0	6.37	-5.00	0.05	7.96e-03	-1.10e-03	3.00
		-0.50	-1.10e-03	-3.44e-05	0.0	40.0	6.37	-5.13	0.05	7.96e-03	3.81e-03	-0.50
97	4	0.0	0.22	-3.97e-05	-0.16	0.0	-0.58	1.46	0.53	0.01	7.57e-03	-0.55
		-0.55	7.57e-03	-1.31e-05	0.0	40.0	-0.58	1.29	0.53	0.01	0.22	0.0
97	15	0.0	0.14	7.38e-06	-0.16	0.0	-1.57	0.53	0.35	7.94e-03	3.54e-03	-0.18
		-0.18	3.54e-03	-9.64e-06	0.0	40.0	-1.57	0.36	0.35	7.94e-03	0.14	0.0
97	19	0.0	0.11	1.07e-05	-0.13	0.0	-1.50	0.30	0.26	5.72e-03	2.05e-03	-0.09
		-0.09	2.05e-03	-7.49e-06	0.0	40.0	-1.50	0.17	0.26	5.72e-03	0.11	0.0
97	27	0.0	0.20	-4.26e-05	-0.16	0.0	0.59	1.63	0.47	0.01	8.78e-03	-0.62
		-0.62	8.78e-03	-1.02e-05	0.0	40.0	0.59	1.46	0.47	0.01	0.20	0.0
97	48	0.0	0.14	-2.60e-05	-0.13	0.0	0.94	1.07	0.34	8.49e-03	7.05e-03	-0.40
		-0.40	7.05e-03	-6.63e-06	0.0	40.0	0.94	0.94	0.34	8.49e-03	0.14	0.0
97	55	0.0	0.16	-3.80e-05	-0.13	0.0	0.06	1.35	0.39	9.15e-03	6.56e-03	-0.52
		-0.52	6.56e-03	-9.14e-06	0.0	40.0	0.06	1.22	0.39	9.15e-03	0.16	0.0
97	68	0.0	0.16	-2.40e-05	-0.13	0.0	-0.47	1.00	0.37	8.67e-03	5.37e-03	-0.37
		-0.37	5.37e-03	-9.30e-06	0.0	40.0	-0.47	0.87	0.37	8.67e-03	0.16	0.0
97	72	0.0	0.11	7.39e-06	-0.13	0.0	-1.14	0.38	0.26	5.90e-03	2.67e-03	-0.13
		-0.13	2.67e-03	-6.99e-06	0.0	40.0	-1.14	0.25	0.26	5.90e-03	0.11	0.0
97	79	0.0	0.14	-2.60e-05	-0.13	0.0	0.31	1.11	0.34	8.11e-03	6.17e-03	-0.42
		-0.42	6.17e-03	-7.37e-06	0.0	40.0	0.31	0.98	0.34	8.11e-03	0.14	0.0
97	88	0.0	0.13	-1.71e-05	-0.13	0.0	0.49	0.89	0.31	7.75e-03	6.01e-03	-0.33
		-0.33	6.01e-03	-6.42e-06	0.0	40.0	0.49	0.76	0.31	7.75e-03	0.13	0.0
97	91	0.0	0.15	-2.51e-05	-0.13	0.0	-0.10	1.08	0.35	8.19e-03	5.68e-03	-0.41
		-0.41	5.68e-03	-8.09e-06	0.0	40.0	-0.10	0.95	0.35	8.19e-03	0.15	0.0
97	98	0.0	0.13	-1.58e-05	-0.13	0.0	-0.21	0.88	0.32	7.47e-03	5.02e-03	-0.33

		-0.33	5.02e-03	-7.31e-06	0.0	40.0	-0.21	0.76	0.32	7.47e-03	0.13	0.0
97	102	0.0	0.10	6.11e-06	-0.13	0.0	-0.61	0.42	0.24	5.82e-03	3.32e-03	-0.14
		-0.14	3.32e-03	-5.78e-06	0.0	40.0	-0.61	0.30	0.24	5.82e-03	0.10	0.0
97	105	0.0	0.13	-1.30e-05	-0.13	0.0	-0.12	0.83	0.30	7.21e-03	4.96e-03	-0.31
		-0.31	4.96e-03	-6.81e-06	0.0	40.0	-0.12	0.71	0.30	7.21e-03	0.13	0.0
97	106	0.0	0.10	5.79e-06	-0.13	0.0	-0.48	0.43	0.24	5.80e-03	3.48e-03	-0.15
		-0.15	3.48e-03	-5.48e-06	0.0	40.0	-0.48	0.31	0.24	5.80e-03	0.10	0.0
97	107	0.0	0.13	-1.27e-05	-0.13	0.0	-0.25	0.82	0.30	7.23e-03	4.80e-03	-0.30
		-0.30	4.80e-03	-7.04e-06	0.0	40.0	-0.25	0.69	0.30	7.23e-03	0.13	0.0
97	113	0.0	-0.03	-1.08e-04	-0.13	0.0	1.76	5.24	-0.26	0.02	-0.03	-2.07
		-2.07	-0.14	1.21e-04	0.0	40.0	1.76	5.11	-0.26	0.02	-0.14	0.0
97	114	1.46	0.39	8.22e-05	-0.13	0.0	-2.26	-3.60	0.87	-7.61e-04	0.04	1.46
		0.0	0.04	-1.35e-04	0.0	40.0	-2.26	-3.72	0.87	-7.61e-04	0.39	0.0
97	133	0.0	-0.03	-1.25e-04	-0.13	0.0	4.21	4.28	-0.36	6.72e-03	-0.03	-1.69
		-1.69	-0.17	3.02e-05	0.0	40.0	4.21	4.16	-0.36	6.72e-03	-0.17	0.0
97	134	1.08	0.42	9.97e-05	-0.13	0.0	-4.72	-2.64	0.97	7.74e-03	0.04	1.08
		0.0	0.04	-4.43e-05	0.0	40.0	-4.72	-2.77	0.97	7.74e-03	0.42	0.0
97	145	0.0	-0.04	-1.20e-04	-0.13	0.0	2.01	5.79	-0.33	0.02	-0.04	-2.29
		-2.29	-0.17	1.37e-04	0.0	40.0	2.01	5.66	-0.33	0.02	-0.17	0.0
97	146	1.68	0.42	9.46e-05	-0.13	0.0	-2.51	-4.15	0.94	-1.77e-03	0.05	1.68
		0.0	0.05	-1.51e-04	0.0	40.0	-2.51	-4.27	0.94	-1.77e-03	0.42	0.0
97	165	0.0	-0.03	-1.39e-04	-0.13	0.0	4.77	4.71	-0.44	6.65e-03	-0.03	-1.86
		-1.86	-0.21	3.47e-05	0.0	40.0	4.77	4.59	-0.44	6.65e-03	-0.21	0.0
97	166	1.25	0.46	1.14e-04	-0.13	0.0	-5.27	-3.07	1.05	7.82e-03	0.04	1.25
		0.0	0.04	-4.88e-05	0.0	40.0	-5.27	-3.20	1.05	7.82e-03	0.46	0.0
97	177	0.0	-0.04	-1.31e-04	-0.13	0.0	1.91	5.54	-0.30	0.02	-0.04	-2.19
		-2.19	-0.16	1.36e-04	0.0	40.0	1.91	5.42	-0.30	0.02	-0.16	0.0
97	178	1.59	0.41	1.06e-04	-0.13	0.0	-2.42	-3.90	0.91	-1.74e-03	0.05	1.59
		0.0	0.05	-1.50e-04	0.0	40.0	-2.42	-4.03	0.91	-1.74e-03	0.41	0.0
97	197	0.0	-0.03	-1.42e-04	-0.13	0.0	4.66	4.57	-0.42	6.57e-03	-0.03	-1.80
		-1.80	-0.20	3.23e-05	0.0	40.0	4.66	4.45	-0.42	6.57e-03	-0.20	0.0
97	198	1.20	0.45	1.16e-04	-0.13	0.0	-5.16	-2.93	1.03	7.90e-03	0.04	1.20
		0.0	0.04	-4.63e-05	0.0	40.0	-5.16	-3.06	1.03	7.90e-03	0.45	0.0
97	209	0.0	-0.04	-1.58e-04	-0.13	0.0	2.24	6.22	-0.39	0.02	-0.04	-2.46
		-2.46	-0.20	1.60e-04	0.0	40.0	2.24	6.10	-0.39	0.02	-0.20	0.0
97	210	1.86	0.45	1.32e-04	-0.13	0.0	-2.75	-4.58	1.00	-3.30e-03	0.05	1.86
		0.0	0.05	-1.74e-04	0.0	40.0	-2.75	-4.71	1.00	-3.30e-03	0.45	0.0
97	229	0.0	-0.04	-1.65e-04	-0.13	0.0	5.44	5.14	-0.54	6.38e-03	-0.04	-2.03
		-2.03	-0.25	3.75e-05	0.0	40.0	5.44	5.02	-0.54	6.38e-03	-0.25	0.0
97	230	1.43	0.50	1.39e-04	-0.13	0.0	-5.95	-3.50	1.15	8.09e-03	0.05	1.43
		0.0	0.05	-5.16e-05	0.0	40.0	-5.95	-3.63	1.15	8.09e-03	0.50	0.0
98	4	0.0	0.20	-1.71e-05	-0.16	0.0	-0.69	-1.33	-0.49	4.10e-04	0.20	0.0
		-0.56	5.83e-03	1.03e-05	0.0	40.0	-0.69	-1.49	-0.49	4.10e-04	5.83e-03	-0.56
98	15	0.0	0.13	-3.48e-05	-0.16	0.0	-1.71	-0.52	-0.32	2.96e-04	0.13	0.0
		-0.24	1.79e-03	5.78e-06	0.0	40.0	-1.71	-0.68	-0.32	2.96e-04	1.79e-03	-0.24
98	19	0.0	0.09	-2.89e-05	-0.13	0.0	-1.62	-0.31	-0.23	2.10e-04	0.09	0.0
		-0.15	4.53e-04	3.72e-06	0.0	40.0	-1.62	-0.43	-0.23	2.10e-04	4.53e-04	-0.15
98	27	0.0	0.19	-1.47e-05	-0.16	0.0	0.58	-1.37	-0.46	3.97e-04	0.19	0.0
		-0.58	8.93e-03	1.15e-05	0.0	40.0	0.58	-1.53	-0.46	3.97e-04	8.93e-03	-0.58
98	28	0.0	0.20	-1.62e-05	-0.16	0.0	0.60	-1.34	-0.48	4.19e-04	0.20	0.0
		-0.57	9.21e-03	1.19e-05	0.0	40.0	0.60	-1.51	-0.48	4.19e-04	9.21e-03	-0.57
98	48	0.0	0.15	-1.58e-05	-0.13	0.0	0.96	-0.89	-0.34	3.03e-04	0.15	0.0
		-0.38	8.30e-03	9.36e-06	0.0	40.0	0.96	-1.01	-0.34	3.03e-04	8.30e-03	-0.38
98	68	0.0	0.14	-1.56e-05	-0.13	0.0	-0.55	-0.90	-0.35	3.02e-04	0.14	0.0
		-0.39	4.18e-03	7.43e-06	0.0	40.0	-0.55	-1.03	-0.35	3.02e-04	4.18e-03	-0.39
98	72	0.0	0.10	-2.74e-05	-0.13	0.0	-1.24	-0.37	-0.24	2.26e-04	0.10	0.0
		-0.17	1.49e-03	4.40e-06	0.0	40.0	-1.24	-0.49	-0.24	2.26e-04	1.49e-03	-0.17
98	79	0.0	0.14	-1.40e-05	-0.13	0.0	0.29	-0.93	-0.33	2.94e-04	0.14	0.0
		-0.40	6.25e-03	8.24e-06	0.0	40.0	0.29	-1.06	-0.33	2.94e-04	6.25e-03	-0.40
98	80	0.0	0.14	-1.50e-05	-0.13	0.0	0.31	-0.91	-0.34	3.08e-04	0.14	0.0
		-0.39	6.44e-03	8.52e-06	0.0	40.0	0.31	-1.04	-0.34	3.08e-04	6.44e-03	-0.39
98	88	0.0	0.13	-1.87e-05	-0.13	0.0	0.48	-0.75	-0.31	2.88e-04	0.13	0.0
		-0.33	6.72e-03	8.16e-06	0.0	40.0	0.48	-0.88	-0.31	2.88e-04	6.72e-03	-0.33
98	98	0.0	0.12	-1.79e-05	-0.13	0.0	-0.26	-0.77	-0.30	2.83e-04	0.12	0.0
		-0.33	4.45e-03	6.97e-06	0.0	40.0	-0.26	-0.89	-0.30	2.83e-04	4.45e-03	-0.33
98	102	0.0	0.09	-2.68e-05	-0.13	0.0	-0.68	-0.38	-0.23	2.41e-04	0.09	0.0
		-0.18	2.83e-03	5.11e-06	0.0	40.0	-0.68	-0.51	-0.23	2.41e-04	2.83e-03	-0.18
98	105	0.0	0.12	-1.91e-05	-0.13	0.0	-0.16	-0.71	-0.29	2.76e-04	0.12	0.0
		-0.31	4.68e-03	6.91e-06	0.0	40.0	-0.16	-0.84	-0.29	2.76e-04	4.68e-03	-0.31
98	106	0.0	0.09	-2.66e-05	-0.13	0.0	-0.54	-0.38	-0.23	2.45e-04	0.09	0.0
		-0.18	3.17e-03	5.29e-06	0.0	40.0	-0.54	-0.51	-0.23	2.45e-04	3.17e-03	-0.18
98	107	0.0	0.12	-1.91e-05	-0.13	0.0	-0.30	-0.71	-0.29	2.78e-04	0.12	0.0
		-0.31	4.27e-03	6.73e-06	0.0	40.0	-0.30	-0.84	-0.29	2.78e-04	4.27e-03	-0.31
98	108	2.04	0.28	-7.42e-04	-0.13	0.0	1.72	5.16	-0.66	7.83e-03	0.28	0.0
		0.0	0.02	1.35e-04	0.0	40.0	1.72	5.03	-0.66	7.83e-03	0.02	2.04

98	111	0.0	-0.01	7.04e-04	-0.13	0.0	-2.33	-6.58	0.08	-7.28e-03	-0.04	0.0
		-2.66	-0.04	-1.21e-04	0.0	40.0	-2.33	-6.71	0.08	-7.28e-03	-0.01	-2.66
98	124	1.38	0.30	-3.08e-04	-0.13	0.0	-2.41	3.50	-0.71	-8.60e-04	0.30	0.0
		0.0	0.02	3.99e-05	0.0	40.0	-2.41	3.38	-0.71	-8.60e-04	0.02	1.38
98	127	0.0	-6.99e-03	2.69e-04	-0.13	0.0	1.80	-4.93	0.13	1.42e-03	-0.06	0.0
		-2.00	-0.06	-2.64e-05	0.0	40.0	1.80	-5.05	0.13	1.42e-03	-6.99e-03	-2.00
98	133	1.25	0.07	-3.05e-04	-0.13	0.0	6.06	3.20	-0.15	-8.33e-04	0.07	0.0
		0.0	2.65e-03	2.80e-05	0.0	40.0	6.06	3.07	-0.15	-8.33e-04	2.65e-03	1.25
98	134	0.0	0.17	2.67e-04	-0.13	0.0	-6.66	-4.62	-0.43	1.39e-03	0.17	0.0
		-1.87	5.89e-03	-1.45e-05	0.0	40.0	-6.66	-4.75	-0.43	1.39e-03	5.89e-03	-1.87
98	140	2.33	0.30	-8.33e-04	-0.13	0.0	1.98	5.89	-0.71	8.78e-03	0.30	0.0
		0.0	0.02	1.51e-04	0.0	40.0	1.98	5.77	-0.71	8.78e-03	0.02	2.33
98	143	0.0	-0.01	7.95e-04	-0.13	0.0	-2.59	-7.32	0.13	-8.23e-03	-0.06	0.0
		-2.95	-0.06	-1.37e-04	0.0	40.0	-2.59	-7.44	0.13	-8.23e-03	-0.01	-2.95
98	156	1.59	0.32	-3.44e-04	-0.13	0.0	-2.66	4.03	-0.77	-1.01e-03	0.32	0.0
		0.0	0.02	4.39e-05	0.0	40.0	-2.66	3.90	-0.77	-1.01e-03	0.02	1.59
98	159	0.0	-8.38e-03	3.05e-04	-0.13	0.0	2.06	-5.45	0.19	1.57e-03	-0.08	0.0
		-2.20	-0.08	-3.05e-05	0.0	40.0	2.06	-5.57	0.19	1.57e-03	-8.38e-03	-2.20
98	165	1.45	0.06	-3.40e-04	-0.13	0.0	6.85	3.68	-0.13	-9.79e-04	0.06	0.0
		0.0	2.47e-03	3.05e-05	0.0	40.0	6.85	3.56	-0.13	-9.79e-04	2.47e-03	1.45
98	166	0.0	0.18	3.02e-04	-0.13	0.0	-7.46	-5.11	-0.45	1.53e-03	0.18	0.0
		-2.07	6.07e-03	-1.70e-05	0.0	40.0	-7.46	-5.23	-0.45	1.53e-03	6.07e-03	-2.07
98	172	2.21	0.30	-7.95e-04	-0.13	0.0	1.84	5.58	-0.69	8.55e-03	0.30	0.0
		0.0	0.02	1.49e-04	0.0	40.0	1.84	5.45	-0.69	8.55e-03	0.02	2.21
98	175	0.0	-0.01	7.57e-04	-0.13	0.0	-2.45	-7.00	0.11	-8.00e-03	-0.06	0.0
		-2.83	-0.06	-1.36e-04	0.0	40.0	-2.45	-7.13	0.11	-8.00e-03	-0.01	-2.83
98	188	1.51	0.32	-3.33e-04	-0.13	0.0	-2.58	3.84	-0.76	-1.04e-03	0.32	0.0
		0.0	0.02	4.19e-05	0.0	40.0	-2.58	3.71	-0.76	-1.04e-03	0.02	1.51
98	191	0.0	-7.74e-03	2.95e-04	-0.13	0.0	1.97	-5.26	0.18	1.59e-03	-0.08	0.0
		-2.13	-0.08	-2.84e-05	0.0	40.0	1.97	-5.38	0.18	1.59e-03	-7.74e-03	-2.13
98	197	1.37	0.06	-3.28e-04	-0.13	0.0	6.70	3.49	-0.14	-1.01e-03	0.06	0.0
		0.0	2.68e-03	2.83e-05	0.0	40.0	6.70	3.36	-0.14	-1.01e-03	2.68e-03	1.37
98	198	0.0	0.18	2.90e-04	-0.13	0.0	-7.30	-4.91	-0.44	1.57e-03	0.18	0.0
		-1.99	5.86e-03	-1.48e-05	0.0	40.0	-7.30	-5.04	-0.44	1.57e-03	5.86e-03	-1.99
98	204	2.57	0.32	-9.09e-04	-0.13	0.0	2.14	6.50	-0.76	9.87e-03	0.32	0.0
		0.0	0.02	1.74e-04	0.0	40.0	2.14	6.37	-0.76	9.87e-03	0.02	2.57
98	207	0.0	-0.01	8.71e-04	-0.13	0.0	-2.75	-7.92	0.18	-9.32e-03	-0.08	0.0
		-3.19	-0.08	-1.60e-04	0.0	40.0	-2.75	-8.05	0.18	-9.32e-03	-0.01	-3.19
98	220	1.78	0.35	-3.81e-04	-0.13	0.0	-2.94	4.52	-0.83	-1.31e-03	0.35	0.0
		0.0	0.02	4.69e-05	0.0	40.0	-2.94	4.40	-0.83	-1.31e-03	0.02	1.78
98	223	0.0	-9.48e-03	3.43e-04	-0.13	0.0	2.33	-5.94	0.25	1.87e-03	-0.11	0.0
		-2.40	-0.11	-3.35e-05	0.0	40.0	2.33	-6.07	0.25	1.87e-03	-9.48e-03	-2.40
98	229	1.62	0.06	-3.74e-04	-0.13	0.0	7.81	4.11	-0.11	-1.29e-03	0.06	0.0
		0.0	2.45e-03	3.06e-05	0.0	40.0	7.81	3.99	-0.11	-1.29e-03	2.45e-03	1.62
98	230	0.0	0.18	3.36e-04	-0.13	0.0	-8.42	-5.54	-0.47	1.84e-03	0.18	0.0
		-2.24	6.09e-03	-1.72e-05	0.0	40.0	-8.42	-5.66	-0.47	1.84e-03	6.09e-03	-2.24
99	12	-0.13	2.03e-03	-3.62e-05	-0.13	0.0	-0.51	0.01	-0.08	2.65e-04	2.03e-03	-0.13
		-0.15	-0.03	4.11e-06	0.0	40.0	-0.51	-0.11	-0.08	2.65e-04	-0.03	-0.15
99	18	-0.37	4.00e-03	-4.37e-05	-0.16	0.0	-0.40	0.30	-0.13	3.74e-04	4.00e-03	-0.37
		-0.46	-0.05	7.14e-06	0.0	40.0	-0.40	0.13	-0.13	3.74e-04	-0.05	-0.37
99	19	-0.15	4.53e-04	-3.40e-05	-0.13	0.0	-1.03	-8.98e-03	-0.08	2.10e-04	4.53e-04	-0.15
		-0.18	-0.03	2.82e-06	0.0	40.0	-1.03	-0.13	-0.08	2.10e-04	-0.03	-0.18
99	27	-0.45	8.93e-03	-4.12e-05	-0.16	0.0	1.53	0.41	-0.10	3.97e-04	8.93e-03	-0.45
		-0.58	-0.03	1.01e-05	0.0	40.0	1.53	0.25	-0.10	3.97e-04	-0.03	-0.58
99	44	-0.37	9.63e-03	-4.30e-05	-0.16	0.0	1.84	0.33	-0.09	3.88e-04	9.63e-03	-0.37
		-0.47	-0.03	1.01e-05	0.0	40.0	1.84	0.16	-0.09	3.88e-04	-0.03	-0.37
99	69	-0.16	2.54e-03	-3.51e-05	-0.13	0.0	-0.29	0.03	-0.07	2.62e-04	2.54e-03	-0.16
		-0.18	-0.03	4.37e-06	0.0	40.0	-0.29	-0.10	-0.07	2.62e-04	-0.03	-0.18
99	72	-0.17	1.49e-03	-3.37e-05	-0.13	0.0	-0.63	0.01	-0.07	2.26e-04	1.49e-03	-0.17
		-0.19	-0.03	3.51e-06	0.0	40.0	-0.63	-0.11	-0.07	2.26e-04	-0.03	-0.19
99	75	-0.27	2.96e-03	-3.36e-05	-0.13	0.0	-0.28	0.19	-0.09	2.78e-04	2.96e-03	-0.27
		-0.32	-0.03	5.22e-06	0.0	40.0	-0.28	0.06	-0.09	2.78e-04	-0.03	-0.32
99	79	-0.32	6.25e-03	-3.20e-05	-0.13	0.0	1.01	0.27	-0.07	2.94e-04	6.25e-03	-0.32
		-0.40	-0.02	7.21e-06	0.0	40.0	1.01	0.14	-0.07	2.94e-04	-0.02	-0.40
99	88	-0.27	6.72e-03	-3.31e-05	-0.13	0.0	1.21	0.21	-0.07	2.88e-04	6.72e-03	-0.27
		-0.33	-0.02	7.23e-06	0.0	40.0	1.21	0.08	-0.07	2.88e-04	-0.02	-0.33
99	98	-0.28	4.45e-03	-3.24e-05	-0.13	0.0	0.40	0.19	-0.07	2.83e-04	4.45e-03	-0.28
		-0.33	-0.02	5.96e-06	0.0	40.0	0.40	0.06	-0.07	2.83e-04	-0.02	-0.33
99	99	-0.18	3.24e-03	-3.36e-05	-0.13	0.0	0.09	0.02	-0.05	2.51e-04	3.24e-03	-0.18
		-0.19	-0.02	4.58e-06	0.0	40.0	0.09	-0.10	-0.05	2.51e-04	-0.02	-0.19
99	102	-0.18	2.83e-03	-3.33e-05	-0.13	0.0	-0.06	0.02	-0.06	2.41e-04	2.83e-03	-0.18
		-0.20	-0.02	4.29e-06	0.0	40.0	-0.06	-0.11	-0.06	2.41e-04	-0.02	-0.20
99	103	-0.27	3.93e-03	-3.26e-05	-0.13	0.0	0.21	0.16	-0.07	2.74e-04	3.93e-03	-0.27
		-0.31	-0.03	5.56e-06	0.0	40.0	0.21	0.04	-0.07	2.74e-04	-0.03	-0.31
99	105	-0.27	4.68e-03	-3.25e-05	-0.13	0.0	0.51	0.16	-0.07	2.76e-04	4.68e-03	-0.27

		-0.31	-0.02	5.96e-06	0.0	40.0	0.51	0.04	-0.07	2.76e-04	-0.02	-0.27
99	106	-0.18	3.17e-03	-3.32e-05	-0.13	0.0	0.08	0.02	-0.05	2.45e-04	3.17e-03	-0.18
		-0.20	-0.02	4.49e-06	0.0	40.0	0.08	-0.11	-0.05	2.45e-04	-0.02	-0.20
99	107	-0.27	4.27e-03	-3.25e-05	-0.13	0.0	0.36	0.16	-0.07	2.78e-04	4.27e-03	-0.31
		-0.31	-0.02	5.75e-06	0.0	40.0	0.36	0.04	-0.07	2.78e-04	-0.02	-0.27
99	108	5.14	0.02	-1.95e-04	-0.13	0.0	5.17	7.81	-0.13	7.83e-03	0.02	2.04
		2.04	-0.04	1.33e-04	0.0	40.0	5.17	7.68	-0.13	7.83e-03	-0.04	5.14
99	111	-2.66	-8.62e-03	1.30e-04	-0.13	0.0	-4.46	-7.48	-7.57e-03	-7.28e-03	-0.01	-2.66
		-5.68	-0.01	-1.21e-04	0.0	40.0	-4.46	-7.61	-7.57e-03	-7.28e-03	-8.62e-03	-5.68
99	124	3.53	0.02	-1.43e-04	-0.13	0.0	-0.49	5.46	-0.14	-8.60e-04	0.02	1.38
		1.38	-0.05	3.70e-05	0.0	40.0	-0.49	5.34	-0.14	-8.60e-04	-0.05	3.53
99	133	3.44	2.65e-03	-1.53e-04	-0.13	0.0	8.36	5.53	-0.04	-8.33e-04	2.65e-03	1.25
		1.25	-6.55e-03	2.85e-05	0.0	40.0	8.36	5.41	-0.04	-8.33e-04	-6.55e-03	3.44
99	134	-1.87	5.89e-03	8.80e-05	-0.13	0.0	-7.65	-5.21	-0.10	1.39e-03	5.89e-03	-1.87
		-3.98	-0.04	-1.70e-05	0.0	40.0	-7.65	-5.33	-0.10	1.39e-03	-0.04	-3.98
99	140	5.81	0.02	-2.15e-04	-0.13	0.0	5.78	8.76	-0.14	8.78e-03	0.02	2.33
		2.33	-0.04	1.49e-04	0.0	40.0	5.78	8.63	-0.14	8.78e-03	-0.04	5.81
99	143	-2.95	-6.77e-03	1.50e-04	-0.13	0.0	-5.07	-8.44	1.48e-04	-8.23e-03	-0.01	-2.95
		-6.35	-0.01	-1.37e-04	0.0	40.0	-5.07	-8.56	1.48e-04	-8.23e-03	-6.77e-03	-6.35
99	160	3.57	0.02	-1.35e-04	-0.13	0.0	-1.03	5.49	-0.15	-8.62e-04	0.02	1.39
		1.39	-0.05	4.21e-05	0.0	40.0	-1.03	5.37	-0.15	-8.62e-04	-0.05	3.57
99	165	3.90	2.47e-03	-1.68e-04	-0.13	0.0	9.36	6.20	-0.03	-9.79e-04	2.47e-03	1.45
		1.45	-4.47e-03	3.11e-05	0.0	40.0	9.36	6.07	-0.03	-9.79e-04	-4.47e-03	3.90
99	166	-2.07	6.07e-03	1.03e-04	-0.13	0.0	-8.64	-5.87	-0.11	1.53e-03	6.07e-03	-2.07
		-4.44	-0.04	-1.96e-05	0.0	40.0	-8.64	-6.00	-0.11	1.53e-03	-0.04	-4.44
99	172	5.52	0.02	-2.01e-04	-0.13	0.0	5.53	8.34	-0.14	8.55e-03	0.02	2.21
		2.21	-0.04	1.47e-04	0.0	40.0	5.53	8.22	-0.14	8.55e-03	-0.04	5.52
99	175	-2.83	-6.96e-03	1.36e-04	-0.13	0.0	-4.82	-8.02	-1.85e-03	-8.00e-03	-0.01	-2.83
		-6.06	-0.01	-1.36e-04	0.0	40.0	-4.82	-8.14	-1.85e-03	-8.00e-03	-6.96e-03	-6.06
99	192	3.36	0.01	-1.28e-04	-0.13	0.0	-0.92	5.19	-0.15	-8.06e-04	0.01	1.31
		1.31	-0.05	4.14e-05	0.0	40.0	-0.92	5.07	-0.15	-8.06e-04	-0.05	3.36
99	197	3.72	2.68e-03	-1.62e-04	-0.13	0.0	9.14	5.95	-0.04	-1.01e-03	2.68e-03	1.37
		1.37	-5.03e-03	2.89e-05	0.0	40.0	9.14	5.82	-0.04	-1.01e-03	-5.03e-03	3.72
99	198	-1.99	5.86e-03	9.71e-05	-0.13	0.0	-8.43	-5.63	-0.10	1.57e-03	5.86e-03	-1.99
		-4.26	-0.04	-1.74e-05	0.0	40.0	-8.43	-5.75	-0.10	1.57e-03	-0.04	-4.26
99	204	6.36	0.02	-2.22e-04	-0.13	0.0	6.29	9.54	-0.15	9.87e-03	0.02	2.57
		2.57	-0.04	1.71e-04	0.0	40.0	6.29	9.41	-0.15	9.87e-03	-0.04	6.36
99	207	-3.19	-4.15e-03	1.57e-04	-0.13	0.0	-5.58	-9.21	8.80e-03	-9.32e-03	-0.01	-3.19
		-6.90	-0.01	-1.60e-04	0.0	40.0	-5.58	-9.34	8.80e-03	-9.32e-03	-4.15e-03	-6.90
99	224	3.90	0.02	-1.41e-04	-0.13	0.0	-1.09	5.94	-0.16	-9.43e-04	0.02	1.55
		1.55	-0.05	4.80e-05	0.0	40.0	-1.09	5.81	-0.16	-9.43e-04	-0.05	3.90
99	229	4.32	2.45e-03	-1.81e-04	-0.13	0.0	10.53	6.82	-0.03	-1.29e-03	2.45e-03	1.62
		1.62	-2.00e-03	3.16e-05	0.0	40.0	10.53	6.69	-0.03	-1.29e-03	-2.00e-03	4.32
99	230	-2.24	6.09e-03	1.16e-04	-0.13	0.0	-9.82	-6.49	-0.11	1.84e-03	6.09e-03	-2.24
		-4.86	-0.04	-2.01e-05	0.0	40.0	-9.82	-6.62	-0.11	1.84e-03	-0.04	-4.86
100	18	-0.20	-0.05	-5.09e-05	-0.16	0.0	-0.81	0.52	-0.17	3.74e-04	-0.05	-0.37
		-0.37	-0.12	3.28e-06	0.0	40.0	-0.81	0.35	-0.17	3.74e-04	-0.12	-0.20
100	19	-0.16	-0.03	-3.75e-05	-0.13	0.0	-1.26	0.11	-0.21	2.10e-04	-0.03	-0.18
		-0.18	-0.11	1.41e-06	0.0	40.0	-1.26	-0.02	-0.21	2.10e-04	-0.11	-0.16
100	36	-0.13	0.02	-3.88e-05	-0.13	0.0	0.81	0.13	0.09	2.73e-04	-0.01	-0.15
		-0.15	-0.01	3.87e-06	0.0	40.0	0.81	5.69e-03	0.09	2.73e-04	0.02	-0.13
100	44	-0.20	0.04	-5.00e-05	-0.16	0.0	1.74	0.53	0.16	3.88e-04	-0.03	-0.37
		-0.37	-0.03	6.45e-06	0.0	40.0	1.74	0.36	0.16	3.88e-04	0.04	-0.20
100	45	-0.15	0.04	-3.66e-05	-0.13	0.0	1.29	0.12	0.13	2.24e-04	-7.30e-03	-0.18
		-0.18	-7.30e-03	4.26e-06	0.0	40.0	1.29	-4.36e-03	0.13	2.24e-04	0.04	-0.15
100	51	-0.23	-0.01	-4.97e-05	-0.16	0.0	0.53	0.64	0.06	4.06e-04	-0.04	-0.45
		-0.45	-0.04	4.95e-06	0.0	40.0	0.53	0.48	0.06	4.06e-04	-0.01	-0.23
100	72	-0.16	-0.03	-3.74e-05	-0.13	0.0	-0.83	0.13	-0.13	2.26e-04	-0.03	-0.19
		-0.19	-0.08	1.69e-06	0.0	40.0	-0.83	9.08e-03	-0.13	2.26e-04	-0.08	-0.16
100	75	-0.16	-0.03	-3.88e-05	-0.13	0.0	-0.56	0.35	-0.11	2.78e-04	-0.03	-0.27
		-0.27	-0.08	2.44e-06	0.0	40.0	-0.56	0.22	-0.11	2.78e-04	-0.08	-0.16
100	81	-0.14	0.01	-3.83e-05	-0.13	0.0	0.56	0.15	0.07	2.68e-04	-0.02	-0.18
		-0.18	-0.02	3.50e-06	0.0	40.0	0.56	0.02	0.07	2.68e-04	0.01	-0.14
100	85	-0.16	0.03	-3.68e-05	-0.13	0.0	0.87	0.14	0.09	2.35e-04	-0.01	-0.19
		-0.19	-0.01	3.76e-06	0.0	40.0	0.87	0.02	0.09	2.35e-04	0.03	-0.16
100	88	-0.15	0.02	-3.82e-05	-0.13	0.0	1.14	0.35	0.11	2.88e-04	-0.02	-0.27
		-0.27	-0.02	4.57e-06	0.0	40.0	1.14	0.23	0.11	2.88e-04	0.02	-0.15
100	91	-0.17	-9.49e-03	-3.80e-05	-0.13	0.0	0.33	0.43	0.04	2.99e-04	-0.03	-0.32
		-0.32	-0.03	3.57e-06	0.0	40.0	0.33	0.30	0.04	2.99e-04	-9.49e-03	-0.17
100	98	-0.17	-8.68e-03	-3.77e-05	-0.13	0.0	0.22	0.34	0.04	2.83e-04	-0.02	-0.28
		-0.28	-0.02	3.27e-06	0.0	40.0	0.22	0.22	0.04	2.83e-04	-8.68e-03	-0.17
100	99	-0.16	-6.91e-03	-3.73e-05	-0.13	0.0	-0.01	0.14	0.03	2.51e-04	-0.02	-0.19
		-0.19	-0.02	2.61e-06	0.0	40.0	-0.01	0.01	0.03	2.51e-04	-6.91e-03	-0.16
100	102	-0.17	-0.02	-3.71e-05	-0.13	0.0	-0.18	0.14	-4.04e-03	2.41e-04	-0.02	-0.20
		-0.20	-0.02	2.38e-06	0.0	40.0	-0.18	0.01	-4.04e-03	2.41e-04	-0.02	-0.17

100	103	-0.17	-0.02	-3.77e-05	-0.13	0.0	0.03	0.31	6.70e-03	2.74e-04	-0.03	-0.27
		-0.27	-0.03	2.98e-06	0.0	40.0	0.03	0.19	6.70e-03	2.74e-04	-0.02	-0.17
100	104	-0.17	-1.13e-04	-3.70e-05	-0.13	0.0	0.16	0.14	0.04	2.43e-04	-0.02	-0.20
		-0.20	-0.02	2.81e-06	0.0	40.0	0.16	0.01	0.04	2.43e-04	-1.13e-04	-0.17
100	105	-0.17	-1.73e-03	-3.76e-05	-0.13	0.0	0.37	0.31	0.05	2.76e-04	-0.02	-0.27
		-0.27	-0.02	3.41e-06	0.0	40.0	0.37	0.19	0.05	2.76e-04	-1.73e-03	-0.17
100	106	-0.17	-6.80e-03	-3.70e-05	-0.13	0.0	-0.02	0.14	0.03	2.45e-04	-0.02	-0.20
		-0.20	-0.02	2.57e-06	0.0	40.0	-0.02	0.01	0.03	2.45e-04	-6.80e-03	-0.17
100	107	-0.17	-8.42e-03	-3.76e-05	-0.13	0.0	0.19	0.31	0.04	2.78e-04	-0.02	-0.27
		-0.27	-0.02	3.17e-06	0.0	40.0	0.19	0.19	0.04	2.78e-04	-8.42e-03	-0.17
100	108	7.63	-0.01	-1.53e-04	-0.13	0.0	5.80	6.29	0.04	7.83e-03	-0.04	5.14
		5.14	-0.04	1.29e-04	0.0	40.0	5.80	6.17	0.04	7.83e-03	-0.01	7.63
100	111	-5.68	-2.64e-03	7.81e-05	-0.13	0.0	-5.42	-5.67	0.03	-7.28e-03	-8.62e-03	-5.68
		-7.97	-8.62e-03	-1.22e-04	0.0	40.0	-5.42	-5.79	0.03	-7.28e-03	-2.64e-03	-7.97
100	133	5.24	0.04	-1.17e-04	-0.13	0.0	8.97	4.57	0.10	-8.33e-04	-6.55e-03	3.44
		3.44	-6.55e-03	2.75e-05	0.0	40.0	8.97	4.44	0.10	-8.33e-04	0.04	5.24
100	134	-3.98	-0.04	4.22e-05	-0.13	0.0	-8.59	-3.94	-0.03	1.39e-03	-0.04	-3.98
		-5.58	-0.05	-2.12e-05	0.0	40.0	-8.59	-4.07	-0.03	1.39e-03	-0.05	-5.58
100	140	8.60	-0.01	-1.68e-04	-0.13	0.0	6.51	7.04	0.04	8.78e-03	-0.04	5.81
		5.81	-0.04	1.44e-04	0.0	40.0	6.51	6.91	0.04	8.78e-03	-0.01	8.60
100	143	-6.35	-1.93e-03	9.26e-05	-0.13	0.0	-6.13	-6.41	0.03	-8.23e-03	-6.77e-03	-6.35
		-8.94	-6.77e-03	-1.38e-04	0.0	40.0	-6.13	-6.54	0.03	-8.23e-03	-1.93e-03	-8.94
100	165	5.91	0.04	-1.27e-04	-0.13	0.0	10.06	5.09	0.11	-9.79e-04	-4.47e-03	3.90
		3.90	-4.47e-03	3.03e-05	0.0	40.0	10.06	4.97	0.11	-9.79e-04	0.04	5.91
100	166	-4.44	-0.04	5.21e-05	-0.13	0.0	-9.68	-4.47	-0.04	1.53e-03	-0.04	-4.44
		-6.25	-0.06	-2.40e-05	0.0	40.0	-9.68	-4.59	-0.04	1.53e-03	-0.06	-6.25
100	172	8.18	-0.01	-1.62e-04	-0.13	0.0	6.23	6.71	0.04	8.55e-03	-0.04	5.52
		5.52	-0.04	1.43e-04	0.0	40.0	6.23	6.58	0.04	8.55e-03	-0.01	8.18
100	175	-6.06	-1.91e-03	8.68e-05	-0.13	0.0	-5.85	-6.08	0.03	-8.00e-03	-6.96e-03	-6.06
		-8.52	-6.96e-03	-1.37e-04	0.0	40.0	-5.85	-6.21	0.03	-8.00e-03	-1.91e-03	-8.52
100	197	5.66	0.04	-1.24e-04	-0.13	0.0	9.82	4.90	0.11	-1.01e-03	-5.03e-03	3.72
		3.72	-5.03e-03	2.81e-05	0.0	40.0	9.82	4.77	0.11	-1.01e-03	0.04	5.66
100	198	-4.26	-0.04	4.91e-05	-0.13	0.0	-9.44	-4.27	-0.03	1.57e-03	-0.04	-4.26
		-6.00	-0.06	-2.18e-05	0.0	40.0	-9.44	-4.40	-0.03	1.57e-03	-0.06	-6.00
100	204	9.40	-0.02	-1.80e-04	-0.13	0.0	7.12	7.64	0.04	9.87e-03	-0.04	6.36
		6.36	-0.04	1.67e-04	0.0	40.0	7.12	7.52	0.04	9.87e-03	-0.02	9.40
100	207	-6.90	-7.58e-04	1.05e-04	-0.13	0.0	-6.74	-7.02	0.03	-9.32e-03	-4.15e-03	-6.90
		-9.74	-4.15e-03	-1.60e-04	0.0	40.0	-6.74	-7.14	0.03	-9.32e-03	-7.58e-04	-9.74
100	229	6.53	0.05	-1.37e-04	-0.13	0.0	11.34	5.59	0.12	-1.29e-03	-2.00e-03	4.32
		4.32	-2.00e-03	3.11e-05	0.0	40.0	11.34	5.46	0.12	-1.29e-03	0.05	6.53
100	230	-4.86	-0.04	6.20e-05	-0.13	0.0	-10.96	-4.96	-0.05	1.84e-03	-0.04	-4.86
		-6.87	-0.07	-2.47e-05	0.0	40.0	-10.96	-5.09	-0.05	1.84e-03	-0.07	-6.87
101	18	0.28	0.03	-8.58e-05	-0.24	0.0	-0.66	0.93	0.25	3.76e-04	-0.12	-0.20
		-0.20	-0.12	-1.48e-05	0.0	60.0	-0.66	0.69	0.25	3.76e-04	0.03	0.28
101	19	0.19	0.04	-6.77e-05	-0.19	0.0	-1.46	0.68	0.25	2.11e-04	-0.11	-0.16
		-0.16	-0.11	-1.75e-05	0.0	60.0	-1.46	0.49	0.25	2.11e-04	0.04	0.19
101	35	0.30	0.02	-8.53e-05	-0.24	0.0	1.32	0.92	-0.06	4.17e-04	0.02	-0.18
		-0.18	-0.02	1.26e-05	0.0	60.0	1.32	0.68	-0.06	4.17e-04	-0.02	0.30
101	44	0.29	0.04	-8.40e-05	-0.24	0.0	1.75	0.93	-0.11	3.90e-04	0.04	-0.20
		-0.20	-0.03	1.68e-05	0.0	60.0	1.75	0.68	-0.11	3.90e-04	-0.03	0.29
101	45	0.19	0.04	-6.59e-05	-0.19	0.0	0.96	0.67	-0.12	2.26e-04	0.04	-0.15
		-0.15	-0.03	1.41e-05	0.0	60.0	0.96	0.49	-0.12	2.26e-04	-0.03	0.19
101	51	0.28	-7.86e-03	-8.29e-05	-0.24	0.0	0.69	0.96	8.83e-03	4.08e-04	-0.01	-0.23
		-0.23	-0.01	5.97e-06	0.0	60.0	0.69	0.71	8.83e-03	4.08e-04	-7.86e-03	0.28
101	72	0.19	0.02	-6.73e-05	-0.19	0.0	-1.02	0.69	0.17	2.27e-04	-0.08	-0.16
		-0.16	-0.08	-1.06e-05	0.0	60.0	-1.02	0.50	0.17	2.27e-04	0.02	0.19
101	75	0.21	0.02	-6.62e-05	-0.19	0.0	-0.51	0.71	0.17	2.79e-04	-0.08	-0.16
		-0.16	-0.08	-9.55e-06	0.0	60.0	-0.51	0.52	0.17	2.79e-04	0.02	0.21
101	83	0.22	0.01	-6.59e-05	-0.19	0.0	0.81	0.70	-0.04	3.07e-04	0.01	-0.14
		-0.14	-0.01	8.70e-06	0.0	60.0	0.81	0.52	-0.04	3.07e-04	-0.01	0.22
101	85	0.19	0.03	-6.61e-05	-0.19	0.0	0.59	0.68	-0.08	2.36e-04	0.03	-0.16
		-0.16	-0.02	1.05e-05	0.0	60.0	0.59	0.49	-0.08	2.36e-04	-0.02	0.19
101	88	0.22	0.02	-6.50e-05	-0.19	0.0	1.10	0.71	-0.07	2.89e-04	0.02	-0.15
		-0.15	-0.02	1.16e-05	0.0	60.0	1.10	0.52	-0.07	2.89e-04	-0.02	0.22
101	91	0.21	-5.67e-03	-6.43e-05	-0.19	0.0	0.39	0.73	6.37e-03	3.01e-04	-9.49e-03	-0.17
		-0.17	-9.49e-03	4.31e-06	0.0	60.0	0.39	0.54	6.37e-03	3.01e-04	-5.67e-03	0.21
101	98	0.20	-5.18e-03	-6.50e-05	-0.19	0.0	0.19	0.72	5.83e-03	2.85e-04	-8.68e-03	-0.17
		-0.17	-8.68e-03	3.93e-06	0.0	60.0	0.19	0.53	5.83e-03	2.85e-04	-5.18e-03	0.20
101	101	0.20	-5.09e-03	-6.55e-05	-0.19	0.0	0.15	0.71	5.73e-03	2.85e-04	-8.53e-03	-0.17
		-0.17	-8.53e-03	3.86e-06	0.0	60.0	0.15	0.52	5.73e-03	2.85e-04	-5.09e-03	0.20
101	102	0.19	1.18e-03	-6.69e-05	-0.19	0.0	-0.41	0.69	0.04	2.42e-04	-0.02	-0.17
		-0.17	-0.02	0.0	0.0	60.0	-0.41	0.50	0.04	2.42e-04	1.18e-03	0.19
101	103	0.20	2.13e-04	-6.54e-05	-0.19	0.0	-0.02	0.71	0.04	2.75e-04	-0.02	-0.17
		-0.17	-0.02	1.08e-06	0.0	60.0	-0.02	0.52	0.04	2.75e-04	2.13e-04	0.20
101	105	0.20	-1.73e-03	-6.52e-05	-0.19	0.0	0.30	0.71	-0.01	2.77e-04	-1.73e-03	-0.17

		-0.17	-7.93e-03	5.30e-06	0.0	60.0	0.30	0.52	-0.01	2.77e-04	-7.93e-03	0.20
101	106	0.19	-4.06e-03	-6.68e-05	-0.19	0.0	-0.26	0.69	4.58e-03	2.46e-04	-6.80e-03	-0.17
		-0.17	-6.80e-03	3.05e-06	0.0	60.0	-0.26	0.50	4.58e-03	2.46e-04	-4.06e-03	0.19
101	107	0.20	-5.02e-03	-6.53e-05	-0.19	0.0	0.13	0.71	5.65e-03	2.79e-04	-8.42e-03	-0.17
		-0.17	-8.42e-03	3.80e-06	0.0	60.0	0.13	0.52	5.65e-03	2.79e-04	-5.02e-03	0.20
101	108	7.63	-5.35e-03	9.53e-05	-0.19	0.0	12.35	-5.64	0.02	7.83e-03	-0.01	7.63
		4.19	-0.01	1.89e-04	0.0	60.0	12.35	-5.83	0.02	7.83e-03	-5.35e-03	4.19
101	111	-3.78	-2.64e-03	-2.26e-04	-0.19	0.0	-12.10	7.07	-4.09e-03	-7.28e-03	-2.64e-03	-7.97
		-7.97	-4.70e-03	-1.82e-04	0.0	60.0	-12.10	6.88	-4.09e-03	-7.28e-03	-4.70e-03	-3.78
101	113	7.62	0.01	9.86e-05	-0.19	0.0	16.77	-5.62	-0.05	7.84e-03	0.01	7.62
		4.19	-0.02	1.92e-04	0.0	60.0	16.77	-5.81	-0.05	7.84e-03	-0.02	4.19
101	114	-3.79	8.79e-03	-2.29e-04	-0.19	0.0	-16.51	7.05	0.06	-7.29e-03	-0.03	-7.96
		-7.96	-0.03	-1.84e-04	0.0	60.0	-16.51	6.86	0.06	-7.29e-03	8.79e-03	-3.79
101	133	5.24	0.04	4.30e-05	-0.19	0.0	13.94	-3.68	-0.11	-8.44e-04	0.04	5.24
		2.98	-0.03	4.78e-05	0.0	60.0	13.94	-3.86	-0.11	-8.44e-04	-0.03	2.98
101	134	-2.58	0.02	-1.74e-04	-0.19	0.0	-13.68	5.10	0.13	1.40e-03	-0.05	-5.58
		-5.58	-0.05	-4.02e-05	0.0	60.0	-13.68	4.91	0.13	1.40e-03	0.02	-2.58
101	140	8.60	-5.39e-03	1.15e-04	-0.19	0.0	13.89	-6.44	0.02	8.78e-03	-0.01	8.60
		4.68	-0.01	2.13e-04	0.0	60.0	13.89	-6.62	0.02	8.78e-03	-5.39e-03	4.68
101	143	-4.28	-1.93e-03	-2.46e-04	-0.19	0.0	-13.63	7.86	-5.28e-03	-8.23e-03	-1.93e-03	-8.94
		-8.94	-4.66e-03	-2.05e-04	0.0	60.0	-13.63	7.67	-5.28e-03	-8.23e-03	-4.66e-03	-4.28
101	145	8.59	0.01	1.19e-04	-0.19	0.0	18.84	-6.41	-0.05	8.79e-03	0.01	8.59
		4.69	-0.02	2.15e-04	0.0	60.0	18.84	-6.60	-0.05	8.79e-03	-0.02	4.69
101	146	-4.28	0.01	-2.50e-04	-0.19	0.0	-18.59	7.84	0.07	-8.23e-03	-0.03	-8.93
		-8.93	-0.03	-2.08e-04	0.0	60.0	-18.59	7.65	0.07	-8.23e-03	0.01	-4.28
101	165	5.91	0.04	5.66e-05	-0.19	0.0	15.66	-4.22	-0.13	-9.92e-04	0.04	5.91
		3.33	-0.04	5.30e-05	0.0	60.0	15.66	-4.41	-0.13	-9.92e-04	-0.04	3.33
101	166	-2.92	0.03	-1.87e-04	-0.19	0.0	-15.40	5.64	0.14	1.55e-03	-0.06	-6.25
		-6.25	-0.06	-4.54e-05	0.0	60.0	-15.40	5.46	0.14	1.55e-03	0.03	-2.92
101	172	8.18	-5.07e-03	1.05e-04	-0.19	0.0	13.25	-6.09	0.02	8.55e-03	-0.01	8.18
		4.47	-0.01	2.10e-04	0.0	60.0	13.25	-6.28	0.02	8.55e-03	-5.07e-03	4.47
101	175	-4.06	-1.91e-03	-2.35e-04	-0.19	0.0	-12.99	7.51	-5.90e-03	-7.99e-03	-1.91e-03	-8.52
		-8.52	-4.98e-03	-2.03e-04	0.0	60.0	-12.99	7.33	-5.90e-03	-7.99e-03	-4.98e-03	-4.06
101	177	8.17	0.01	1.07e-04	-0.19	0.0	17.99	-6.07	-0.05	8.56e-03	0.01	8.17
		4.47	-0.02	2.13e-04	0.0	60.0	17.99	-6.25	-0.05	8.56e-03	-0.02	4.47
101	178	-4.07	9.76e-03	-2.38e-04	-0.19	0.0	-17.74	7.49	0.06	-8.00e-03	-0.03	-8.51
		-8.51	-0.03	-2.05e-04	0.0	60.0	-17.74	7.30	0.06	-8.00e-03	9.76e-03	-4.07
101	197	5.66	0.04	5.28e-05	-0.19	0.0	15.18	-4.01	-0.13	-1.02e-03	0.04	5.66
		3.20	-0.03	4.95e-05	0.0	60.0	15.18	-4.20	-0.13	-1.02e-03	-0.03	3.20
101	198	-2.79	0.02	-1.83e-04	-0.19	0.0	-14.93	5.44	0.14	1.58e-03	-0.06	-6.00
		-6.00	-0.06	-4.19e-05	0.0	60.0	-14.93	5.25	0.14	1.58e-03	0.02	-2.79
101	204	9.40	-4.88e-03	1.28e-04	-0.19	0.0	15.16	-7.08	0.02	9.87e-03	-0.02	9.40
		5.09	-0.02	2.46e-04	0.0	60.0	15.16	-7.27	0.02	9.87e-03	-4.88e-03	5.09
101	207	-4.69	-7.58e-04	-2.58e-04	-0.19	0.0	-14.91	8.51	-8.32e-03	-9.31e-03	-7.58e-04	-9.74
		-9.74	-5.17e-03	-2.38e-04	0.0	60.0	-14.91	8.32	-8.32e-03	-9.31e-03	-5.17e-03	-4.69
101	209	9.38	0.02	1.31e-04	-0.19	0.0	20.63	-7.06	-0.06	9.87e-03	0.02	9.38
		5.09	-0.02	2.48e-04	0.0	60.0	20.63	-7.24	-0.06	9.87e-03	-0.02	5.09
101	210	-4.69	0.01	-2.61e-04	-0.19	0.0	-20.37	8.48	0.07	-9.32e-03	-0.03	-9.72
		-9.72	-0.03	-2.41e-04	0.0	60.0	-20.37	8.29	0.07	-9.32e-03	0.01	-4.69
101	229	6.53	0.05	7.08e-05	-0.19	0.0	17.51	-4.72	-0.15	-1.30e-03	0.05	6.53
		3.64	-0.04	5.54e-05	0.0	60.0	17.51	-4.91	-0.15	-1.30e-03	-0.04	3.64
101	230	-3.24	0.03	-2.01e-04	-0.19	0.0	-17.26	6.14	0.16	1.86e-03	-0.07	-6.87
		-6.87	-0.07	-4.77e-05	0.0	60.0	-17.26	5.95	0.16	1.86e-03	0.03	-3.24
102	9	1.04	-0.02	-6.56e-06	-0.12	0.0	1.63	0.41	0.20	3.53e-04	-0.08	0.93
		0.93	-0.08	0.0	0.0	30.0	1.63	0.29	0.20	3.53e-04	-0.02	1.04
102	18	1.02	-0.04	-6.42e-06	-0.12	0.0	1.24	0.54	0.32	3.77e-04	-0.14	0.88
		0.88	-0.14	0.0	0.0	30.0	1.24	0.42	0.32	3.77e-04	-0.04	1.02
102	19	0.79	-0.04	-4.62e-06	-0.09	0.0	0.31	0.26	0.31	2.12e-04	-0.14	0.72
		0.72	-0.14	0.0	0.0	30.0	0.31	0.17	0.31	2.12e-04	-0.04	0.79
102	31	0.75	0.04	-4.54e-06	-0.09	0.0	3.15	0.48	-0.07	3.15e-04	0.04	0.62
		0.62	0.01	0.0	0.0	30.0	3.15	0.38	-0.07	3.15e-04	0.01	0.75
102	44	1.00	0.06	-6.14e-06	-0.12	0.0	4.33	0.55	-0.12	3.92e-04	0.06	0.85
		0.85	0.02	1.21e-06	0.0	30.0	4.33	0.42	-0.12	3.92e-04	0.02	1.00
102	45	0.77	0.06	-4.34e-06	-0.09	0.0	3.40	0.27	-0.13	2.26e-04	0.06	0.70
		0.70	0.02	0.0	0.0	30.0	3.40	0.18	-0.13	2.26e-04	0.02	0.77
102	69	0.80	-0.02	-4.96e-06	-0.09	0.0	1.31	0.30	0.13	2.64e-04	-0.06	0.72
		0.72	-0.06	0.0	0.0	30.0	1.31	0.21	0.13	2.64e-04	-0.02	0.80
102	72	0.79	-0.03	-4.61e-06	-0.09	0.0	0.84	0.28	0.21	2.28e-04	-0.09	0.72
		0.72	-0.09	0.0	0.0	30.0	0.84	0.18	0.21	2.28e-04	-0.03	0.79
102	75	0.78	-0.03	-4.87e-06	-0.09	0.0	1.05	0.39	0.22	2.80e-04	-0.09	0.68
		0.68	-0.09	0.0	0.0	30.0	1.05	0.29	0.22	2.80e-04	-0.03	0.78
102	79	0.76	0.02	-4.56e-06	-0.09	0.0	2.73	0.42	-0.04	2.96e-04	0.02	0.65
		0.65	0.01	0.0	0.0	30.0	2.73	0.32	-0.04	2.96e-04	0.01	0.76
102	85	0.77	0.04	-4.43e-06	-0.09	0.0	2.90	0.28	-0.08	2.37e-04	0.04	0.70
		0.70	0.02	0.0	0.0	30.0	2.90	0.19	-0.08	2.37e-04	0.02	0.77

102	88	0.77	0.04	-4.68e-06	-0.09	0.0	3.11	0.39	-0.08	2.90e-04	0.04	0.67
		0.67	0.02	0.0	0.0	30.0	3.11	0.30	-0.08	2.90e-04	0.02	0.77
102	98	0.77	1.15e-03	-4.59e-06	-0.09	0.0	2.02	0.37	0.01	2.85e-04	-2.73e-03	0.67
		0.67	-2.73e-03	0.0	0.0	30.0	2.02	0.28	0.01	2.85e-04	1.15e-03	0.77
102	99	0.78	8.84e-04	-4.61e-06	-0.09	0.0	1.86	0.28	0.01	2.53e-04	-2.25e-03	0.71
		0.71	-2.25e-03	0.0	0.0	30.0	1.86	0.18	0.01	2.53e-04	8.84e-04	0.78
102	102	0.78	-4.77e-03	-4.55e-06	-0.09	0.0	1.64	0.27	0.05	2.43e-04	-0.02	0.71
		0.71	-0.02	0.0	0.0	30.0	1.64	0.18	0.05	2.43e-04	-4.77e-03	0.78
102	103	0.77	-4.52e-03	-4.60e-06	-0.09	0.0	1.80	0.36	0.05	2.76e-04	-0.02	0.68
		0.68	-0.02	0.0	0.0	30.0	1.80	0.26	0.05	2.76e-04	-4.52e-03	0.77
102	104	0.78	6.37e-03	-4.51e-06	-0.09	0.0	2.05	0.27	-8.64e-03	2.45e-04	6.37e-03	0.71
		0.71	3.78e-03	0.0	0.0	30.0	2.05	0.18	-8.64e-03	2.45e-04	3.78e-03	0.78
102	105	0.77	5.95e-03	-4.56e-06	-0.09	0.0	2.21	0.36	-6.42e-03	2.78e-04	5.95e-03	0.68
		0.68	4.02e-03	0.0	0.0	30.0	2.21	0.26	-6.42e-03	2.78e-04	4.02e-03	0.77
102	106	0.78	8.69e-04	-4.53e-06	-0.09	0.0	1.84	0.27	0.01	2.47e-04	-2.23e-03	0.71
		0.71	-2.23e-03	0.0	0.0	30.0	1.84	0.18	0.01	2.47e-04	8.69e-04	0.78
102	107	0.77	1.11e-03	-4.59e-06	-0.09	0.0	2.00	0.36	0.01	2.80e-04	-2.66e-03	0.68
		0.68	-2.66e-03	0.0	0.0	30.0	2.00	0.26	0.01	2.80e-04	1.11e-03	0.77
102	108	-0.37	-5.07e-03	-4.60e-05	-0.09	0.0	-0.41	10.58	0.02	7.83e-03	-0.01	-3.53
		-3.53	-0.01	1.36e-04	0.0	30.0	-0.41	10.49	0.02	7.83e-03	-5.07e-03	-0.37
102	111	4.89	7.30e-03	3.68e-05	-0.09	0.0	4.41	-9.87	5.71e-03	-7.28e-03	5.92e-03	4.89
		1.92	5.92e-03	-1.35e-04	0.0	30.0	4.41	-9.96	5.71e-03	-7.28e-03	7.30e-03	1.92
102	124	-0.06	-0.02	-2.76e-05	-0.09	0.0	-2.57	7.46	0.07	-8.60e-04	-0.04	-2.28
		-2.28	-0.04	3.29e-05	0.0	30.0	-2.57	7.37	0.07	-8.60e-04	-0.02	-0.06
102	127	3.64	0.04	1.84e-05	-0.09	0.0	6.56	-6.75	-0.05	1.42e-03	0.04	3.64
		1.60	0.02	-3.18e-05	0.0	30.0	6.56	-6.85	-0.05	1.42e-03	0.02	1.60
102	133	-0.02	0.04	-2.59e-05	-0.09	0.0	5.02	7.48	-0.06	-8.32e-04	0.04	-2.25
		-2.25	0.03	3.30e-05	0.0	30.0	5.02	7.39	-0.06	-8.32e-04	0.03	-0.02
102	134	3.61	-0.02	1.67e-05	-0.09	0.0	-1.03	-6.77	0.09	1.39e-03	-0.05	3.61
		1.56	-0.05	-3.18e-05	0.0	30.0	-1.03	-6.87	0.09	1.39e-03	-0.02	1.56
102	140	-0.52	-5.84e-03	-5.12e-05	-0.09	0.0	-0.71	11.86	0.02	8.78e-03	-0.01	-4.06
		-4.06	-0.01	1.53e-04	0.0	30.0	-0.71	11.76	0.02	8.78e-03	-5.84e-03	-0.52
102	143	5.42	8.07e-03	4.21e-05	-0.09	0.0	4.71	-11.15	4.88e-03	-8.22e-03	6.97e-03	5.42
		2.06	6.97e-03	-1.52e-04	0.0	30.0	4.71	-11.24	4.88e-03	-8.22e-03	8.07e-03	2.06
102	156	-0.16	-0.03	-3.05e-05	-0.09	0.0	-3.14	8.34	0.08	-1.01e-03	-0.05	-2.64
		-2.64	-0.05	3.68e-05	0.0	30.0	-3.14	8.25	0.08	-1.01e-03	-0.03	-0.16
102	159	4.00	0.04	2.13e-05	-0.09	0.0	7.13	-7.63	-0.05	1.57e-03	0.04	4.00
		1.70	0.03	-3.57e-05	0.0	30.0	7.13	-7.73	-0.05	1.57e-03	0.03	1.70
102	165	-0.12	0.05	-2.85e-05	-0.09	0.0	5.40	8.36	-0.07	-9.79e-04	0.05	-2.61
		-2.61	0.03	3.69e-05	0.0	30.0	5.40	8.27	-0.07	-9.79e-04	0.03	-0.12
102	166	3.97	-0.03	1.94e-05	-0.09	0.0	-1.41	-7.65	0.10	1.54e-03	-0.05	3.97
		1.66	-0.05	-3.58e-05	0.0	30.0	-1.41	-7.75	0.10	1.54e-03	-0.03	1.66
102	172	-0.45	-5.74e-03	-5.13e-05	-0.09	0.0	-0.62	11.30	0.02	8.55e-03	-0.01	-3.82
		-3.82	-0.01	1.52e-04	0.0	30.0	-0.62	11.21	0.02	8.55e-03	-5.74e-03	-0.45
102	175	5.18	7.96e-03	4.21e-05	-0.09	0.0	4.62	-10.59	4.99e-03	-7.99e-03	6.82e-03	5.18
		1.99	6.82e-03	-1.50e-04	0.0	30.0	4.62	-10.69	4.99e-03	-7.99e-03	7.96e-03	1.99
102	188	-0.12	-0.02	-3.02e-05	-0.09	0.0	-3.04	8.01	0.08	-1.04e-03	-0.05	-2.50
		-2.50	-0.05	3.50e-05	0.0	30.0	-3.04	7.91	0.08	-1.04e-03	-0.02	-0.12
102	191	3.86	0.04	2.10e-05	-0.09	0.0	7.03	-7.30	-0.05	1.60e-03	0.04	3.86
		1.66	0.03	-3.39e-05	0.0	30.0	7.03	-7.39	-0.05	1.60e-03	0.03	1.66
102	197	-0.08	0.05	-2.83e-05	-0.09	0.0	5.32	8.03	-0.07	-1.01e-03	0.05	-2.47
		-2.47	0.03	3.51e-05	0.0	30.0	5.32	7.94	-0.07	-1.01e-03	0.03	-0.08
102	198	3.83	-0.03	1.92e-05	-0.09	0.0	-1.33	-7.32	0.09	1.57e-03	-0.05	3.83
		1.62	-0.05	-3.40e-05	0.0	30.0	-1.33	-7.42	0.09	1.57e-03	-0.03	1.62
102	204	-0.63	-6.86e-03	-5.95e-05	-0.09	0.0	-1.03	12.90	0.02	9.87e-03	-0.01	-4.48
		-4.48	-0.01	1.77e-04	0.0	30.0	-1.03	12.81	0.02	9.87e-03	-6.86e-03	-0.63
102	207	5.84	9.09e-03	5.03e-05	-0.09	0.0	5.02	-12.19	3.78e-03	-9.31e-03	8.38e-03	5.84
		2.17	8.38e-03	-1.76e-04	0.0	30.0	5.02	-12.29	3.78e-03	-9.31e-03	9.09e-03	2.17
102	220	-0.25	-0.03	-3.43e-05	-0.09	0.0	-3.85	9.15	0.09	-1.31e-03	-0.05	-2.98
		-2.98	-0.05	4.01e-05	0.0	30.0	-3.85	9.06	0.09	-1.31e-03	-0.03	-0.25
102	223	4.34	0.05	2.52e-05	-0.09	0.0	7.84	-8.44	-0.06	1.87e-03	0.05	4.34
		1.79	0.03	-3.90e-05	0.0	30.0	7.84	-8.53	-0.06	1.87e-03	0.03	1.79
102	229	-0.20	0.06	-3.22e-05	-0.09	0.0	5.86	9.18	-0.08	-1.29e-03	0.06	-2.94
		-2.94	0.03	4.01e-05	0.0	30.0	5.86	9.09	-0.08	-1.29e-03	0.03	-0.20
102	230	4.30	-0.03	2.30e-05	-0.09	0.0	-1.86	-8.47	0.11	1.85e-03	-0.06	4.30
		1.75	-0.06	-3.90e-05	0.0	30.0	-1.86	-8.57	0.11	1.85e-03	-0.03	1.75
103	11	1.15	-0.02	1.54e-06	-0.12	0.0	1.94	0.49	-0.20	4.10e-04	-0.02	1.02
		1.02	-0.08	1.65e-06	0.0	30.0	1.94	0.36	-0.20	4.10e-04	-0.08	1.15
103	18	1.14	-0.04	1.73e-06	-0.12	0.0	1.30	0.47	-0.33	3.77e-04	-0.04	1.02
		1.02	-0.14	1.89e-06	0.0	30.0	1.30	0.35	-0.33	3.77e-04	-0.14	1.14
103	19	0.83	-0.04	1.84e-06	-0.09	0.0	0.36	0.20	-0.32	2.12e-04	-0.04	0.79
		0.79	-0.14	1.38e-06	0.0	30.0	0.36	0.10	-0.32	2.12e-04	-0.14	0.83
103	31	0.87	0.04	1.53e-06	-0.09	0.0	3.13	0.42	0.07	3.15e-04	0.01	0.75
		0.75	0.01	0.0	0.0	30.0	3.13	0.33	0.07	3.15e-04	0.04	0.87
103	44	1.12	0.06	2.00e-06	-0.12	0.0	4.30	0.46	0.12	3.92e-04	0.02	1.00

		1.00	0.02	0.0	0.0	30.0	4.30	0.34	0.12	3.92e-04	0.06	1.12
103	45	0.81	0.06	2.10e-06	-0.09	0.0	3.36	0.19	0.13	2.26e-04	0.02	0.77
		0.77	0.02	0.0	0.0	30.0	3.36	0.09	0.13	2.26e-04	0.06	0.81
103	71	0.87	-0.02	1.31e-06	-0.09	0.0	1.52	0.34	-0.14	3.02e-04	-0.02	0.79
		0.79	-0.06	1.16e-06	0.0	30.0	1.52	0.25	-0.14	3.02e-04	-0.06	0.87
103	72	0.83	-0.03	1.84e-06	-0.09	0.0	0.87	0.20	-0.22	2.28e-04	-0.03	0.79
		0.79	-0.09	1.11e-06	0.0	30.0	0.87	0.11	-0.22	2.28e-04	-0.09	0.83
103	75	0.87	-0.03	1.44e-06	-0.09	0.0	1.09	0.33	-0.22	2.80e-04	-0.03	0.78
		0.78	-0.09	1.32e-06	0.0	30.0	1.09	0.24	-0.22	2.80e-04	-0.09	0.87
103	79	0.86	0.02	1.63e-06	-0.09	0.0	2.72	0.36	0.04	2.96e-04	0.01	0.76
		0.76	0.01	0.0	0.0	30.0	2.72	0.26	0.04	2.96e-04	0.02	0.86
103	85	0.82	0.04	2.01e-06	-0.09	0.0	2.87	0.20	0.08	2.37e-04	0.02	0.77
		0.77	0.02	0.0	0.0	30.0	2.87	0.11	0.08	2.37e-04	0.04	0.82
103	88	0.85	0.04	1.61e-06	-0.09	0.0	3.09	0.33	0.08	2.90e-04	0.02	0.77
		0.77	0.02	0.0	0.0	30.0	3.09	0.23	0.08	2.90e-04	0.04	0.85
103	101	0.85	1.13e-03	1.65e-06	-0.09	0.0	2.02	0.30	-0.01	2.86e-04	1.13e-03	0.77
		0.77	-2.91e-03	0.0	0.0	30.0	2.02	0.20	-0.01	2.86e-04	-2.91e-03	0.85
103	102	0.83	-4.77e-03	1.90e-06	-0.09	0.0	1.65	0.20	-0.05	2.43e-04	-4.77e-03	0.78
		0.78	-0.02	0.0	0.0	30.0	1.65	0.10	-0.05	2.43e-04	-0.02	0.83
103	103	0.85	-4.52e-03	1.69e-06	-0.09	0.0	1.81	0.29	-0.05	2.76e-04	-4.52e-03	0.77
		0.77	-0.02	0.0	0.0	30.0	1.81	0.20	-0.05	2.76e-04	-0.02	0.85
103	104	0.82	6.10e-03	1.93e-06	-0.09	0.0	2.05	0.20	7.74e-03	2.45e-04	3.78e-03	0.78
		0.78	3.78e-03	0.0	0.0	30.0	2.05	0.10	7.74e-03	2.45e-04	6.10e-03	0.82
103	105	0.84	5.74e-03	1.73e-06	-0.09	0.0	2.21	0.29	5.71e-03	2.78e-04	4.02e-03	0.77
		0.77	4.02e-03	0.0	0.0	30.0	2.21	0.20	5.71e-03	2.78e-04	5.74e-03	0.84
103	106	0.82	8.69e-04	1.92e-06	-0.09	0.0	1.85	0.20	-0.01	2.47e-04	8.69e-04	0.78
		0.78	-2.52e-03	0.0	0.0	30.0	1.85	0.10	-0.01	2.47e-04	-2.52e-03	0.82
103	107	0.84	1.11e-03	1.71e-06	-0.09	0.0	2.00	0.29	-0.01	2.80e-04	1.11e-03	0.77
		0.77	-2.88e-03	0.0	0.0	30.0	2.00	0.20	-0.01	2.80e-04	-2.88e-03	0.84
103	113	2.98	0.01	-4.71e-05	-0.09	0.0	2.03	11.17	0.02	7.84e-03	9.20e-03	-0.36
		-0.36	9.20e-03	5.84e-05	0.0	30.0	2.03	11.07	0.02	7.84e-03	0.01	2.98
103	114	1.91	-6.97e-03	5.06e-05	-0.09	0.0	1.97	-10.59	-0.05	-7.28e-03	-6.97e-03	1.91
		-1.29	-0.02	-5.68e-05	0.0	30.0	1.97	-10.68	-0.05	-7.28e-03	-0.02	-1.29
103	124	2.29	-0.02	-2.83e-05	-0.09	0.0	-2.29	7.85	-0.08	-8.60e-04	-0.02	-0.06
		-0.06	-0.05	9.13e-06	0.0	30.0	-2.29	7.76	-0.08	-8.60e-04	-0.05	2.29
103	125	1.01	0.04	4.98e-06	-0.09	0.0	5.73	-1.60	0.06	6.63e-03	0.03	1.01
		0.51	0.03	2.85e-05	0.0	30.0	5.73	-1.70	0.06	6.63e-03	0.04	0.51
103	126	1.18	-0.02	-1.89e-06	-0.09	0.0	-1.72	2.18	-0.09	-6.07e-03	-0.02	0.54
		0.54	-0.05	-2.70e-05	0.0	30.0	-1.72	2.09	-0.09	-6.07e-03	-0.05	1.18
103	127	1.60	0.04	3.17e-05	-0.09	0.0	6.30	-7.28	0.05	1.42e-03	0.02	1.60
		-0.60	0.02	-7.58e-06	0.0	30.0	6.30	-7.37	0.05	1.42e-03	0.04	-0.60
103	145	3.24	0.02	-5.33e-05	-0.09	0.0	2.04	12.52	0.02	8.79e-03	0.01	-0.51
		-0.51	0.01	6.56e-05	0.0	30.0	2.04	12.43	0.02	8.79e-03	0.02	3.24
103	146	2.05	-7.96e-03	5.68e-05	-0.09	0.0	1.97	-11.94	-0.05	-8.23e-03	-7.96e-03	2.05
		-1.55	-0.02	-6.41e-05	0.0	30.0	1.97	-12.04	-0.05	-8.23e-03	-0.02	-1.55
103	156	2.47	-0.03	-3.20e-05	-0.09	0.0	-2.82	8.79	-0.09	-1.01e-03	-0.03	-0.16
		-0.16	-0.05	1.00e-05	0.0	30.0	-2.82	8.70	-0.09	-1.01e-03	-0.05	2.47
103	157	1.04	0.05	5.32e-06	-0.09	0.0	6.19	-1.83	0.07	7.43e-03	0.03	1.04
		0.47	0.03	3.22e-05	0.0	30.0	6.19	-1.93	0.07	7.43e-03	0.05	0.47
103	158	1.22	-0.03	-2.15e-06	-0.09	0.0	-2.18	2.41	-0.10	-6.87e-03	-0.03	0.51
		0.51	-0.05	-3.06e-05	0.0	30.0	-2.18	2.32	-0.10	-6.87e-03	-0.05	1.22
103	159	1.70	0.05	3.54e-05	-0.09	0.0	6.83	-8.21	0.06	1.57e-03	0.03	1.70
		-0.78	0.03	-8.49e-06	0.0	30.0	6.83	-8.31	0.06	1.57e-03	0.05	-0.78
103	177	3.13	0.02	-5.27e-05	-0.09	0.0	2.07	11.93	0.02	8.56e-03	9.85e-03	-0.44
		-0.44	9.85e-03	6.47e-05	0.0	30.0	2.07	11.84	0.02	8.56e-03	0.02	3.13
103	178	1.98	-7.62e-03	5.61e-05	-0.09	0.0	1.94	-11.35	-0.05	-8.00e-03	-7.62e-03	1.98
		-1.44	-0.02	-6.31e-05	0.0	30.0	1.94	-11.45	-0.05	-8.00e-03	-0.02	-1.44
103	188	2.40	-0.02	-3.15e-05	-0.09	0.0	-2.73	8.43	-0.09	-1.04e-03	-0.02	-0.12
		-0.12	-0.05	8.51e-06	0.0	30.0	-2.73	8.34	-0.09	-1.04e-03	-0.05	2.40
103	189	1.03	0.05	5.13e-06	-0.09	0.0	6.13	-1.79	0.07	7.31e-03	0.03	1.03
		0.48	0.03	3.34e-05	0.0	30.0	6.13	-1.88	0.07	7.31e-03	0.05	0.48
103	190	1.21	-0.02	-2.00e-06	-0.09	0.0	-2.12	2.37	-0.10	-6.75e-03	-0.02	0.51
		0.51	-0.05	-3.19e-05	0.0	30.0	-2.12	2.27	-0.10	-6.75e-03	-0.05	1.21
103	191	1.66	0.04	3.49e-05	-0.09	0.0	6.74	-7.85	0.06	1.60e-03	0.03	1.66
		-0.71	0.03	-6.95e-06	0.0	30.0	6.74	-7.94	0.06	1.60e-03	0.04	-0.71
103	209	3.47	0.02	-6.17e-05	-0.09	0.0	2.09	13.63	0.03	9.88e-03	0.01	-0.61
		-0.61	0.01	7.53e-05	0.0	30.0	2.09	13.54	0.03	9.88e-03	0.02	3.47
103	210	2.16	-9.01e-03	6.51e-05	-0.09	0.0	1.92	-13.05	-0.06	-9.32e-03	-9.01e-03	2.16
		-1.78	-0.02	-7.37e-05	0.0	30.0	1.92	-13.15	-0.06	-9.32e-03	-0.02	-1.78
103	220	2.64	-0.03	-3.67e-05	-0.09	0.0	-3.49	9.65	-0.10	-1.31e-03	-0.03	-0.25
		-0.25	-0.06	8.92e-06	0.0	30.0	-3.49	9.55	-0.10	-1.31e-03	-0.06	2.64
103	221	1.08	0.06	5.43e-06	-0.09	0.0	6.80	-2.13	0.08	8.51e-03	0.03	1.08
		0.42	0.03	3.99e-05	0.0	30.0	6.80	-2.22	0.08	8.51e-03	0.06	0.42
103	222	1.27	-0.03	-2.24e-06	-0.09	0.0	-2.80	2.71	-0.11	-7.95e-03	-0.03	0.47
		0.47	-0.06	-3.83e-05	0.0	30.0	-2.80	2.61	-0.11	-7.95e-03	-0.06	1.27

103	223	1.79	0.05	4.01e-05	-0.09	0.0	7.50	-9.07	0.07	1.87e-03	0.03	1.79
		-0.95	0.03	-7.36e-06	0.0	30.0	7.50	-9.16	0.07	1.87e-03	0.05	-0.95
104	11	1.15	0.05	4.34e-05	-0.24	0.0	3.51	-0.39	0.22	4.01e-04	-0.08	1.15
		0.84	-0.08	-1.08e-05	0.0	60.0	3.51	-0.64	0.22	4.01e-04	0.05	0.84
104	18	1.14	0.08	4.32e-05	-0.24	0.0	2.98	-0.39	0.37	3.68e-04	-0.14	1.14
		0.83	-0.14	-1.92e-05	0.0	60.0	2.98	-0.63	0.37	3.68e-04	0.08	0.83
104	19	0.83	0.09	2.97e-05	-0.19	0.0	1.60	-0.24	0.37	2.05e-04	-0.14	0.83
		0.63	-0.14	-2.00e-05	0.0	60.0	1.60	-0.43	0.37	2.05e-04	0.09	0.63
104	44	1.12	0.06	4.29e-05	-0.24	0.0	5.31	-0.38	-0.18	3.82e-04	0.06	1.12
		0.82	-0.05	1.12e-05	0.0	60.0	5.31	-0.62	-0.18	3.82e-04	-0.05	0.82
104	45	0.81	0.06	2.94e-05	-0.19	0.0	3.93	-0.23	-0.18	2.19e-04	0.06	0.81
		0.62	-0.05	1.04e-05	0.0	60.0	3.93	-0.42	-0.18	2.19e-04	-0.05	0.62
104	71	0.87	0.03	3.27e-05	-0.19	0.0	2.68	-0.29	0.15	2.95e-04	-0.06	0.87
		0.64	-0.06	-7.13e-06	0.0	60.0	2.68	-0.48	0.15	2.95e-04	0.03	0.64
104	72	0.83	0.06	2.98e-05	-0.19	0.0	2.01	-0.24	0.25	2.21e-04	-0.09	0.83
		0.63	-0.09	-1.31e-05	0.0	60.0	2.01	-0.43	0.25	2.21e-04	0.06	0.63
104	75	0.87	0.06	3.25e-05	-0.19	0.0	2.33	-0.29	0.25	2.73e-04	-0.09	0.87
		0.64	-0.09	-1.27e-05	0.0	60.0	2.33	-0.48	0.25	2.73e-04	0.06	0.64
104	85	0.82	0.04	2.97e-05	-0.19	0.0	3.56	-0.24	-0.12	2.30e-04	0.04	0.82
		0.62	-0.03	7.17e-06	0.0	60.0	3.56	-0.42	-0.12	2.30e-04	-0.03	0.62
104	88	0.85	0.04	3.24e-05	-0.19	0.0	3.88	-0.28	-0.12	2.83e-04	0.04	0.85
		0.63	-0.03	7.55e-06	0.0	60.0	3.88	-0.47	-0.12	2.83e-04	-0.03	0.63
104	101	0.85	-2.91e-03	3.17e-05	-0.19	0.0	2.99	-0.27	-2.39e-05	2.79e-04	-2.91e-03	0.85
		0.63	-2.92e-03	1.01e-06	0.0	60.0	2.99	-0.46	-2.39e-05	2.79e-04	-2.92e-03	0.63
104	102	0.83	9.35e-03	2.96e-05	-0.19	0.0	2.59	-0.24	0.05	2.36e-04	-0.02	0.83
		0.63	-0.02	-2.05e-06	0.0	60.0	2.59	-0.43	0.05	2.36e-04	9.35e-03	0.63
104	103	0.85	8.92e-03	3.17e-05	-0.19	0.0	2.82	-0.27	0.05	2.69e-04	-0.02	0.85
		0.63	-0.02	-1.78e-06	0.0	60.0	2.82	-0.46	0.05	2.69e-04	8.92e-03	0.63
104	104	0.82	6.10e-03	2.96e-05	-0.19	0.0	2.91	-0.24	-0.02	2.38e-04	6.10e-03	0.82
		0.62	-8.61e-03	2.01e-06	0.0	60.0	2.91	-0.43	-0.02	2.38e-04	-8.61e-03	0.62
104	105	0.84	5.74e-03	3.17e-05	-0.19	0.0	3.13	-0.27	-0.02	2.71e-04	5.74e-03	0.84
		0.63	-9.04e-03	2.28e-06	0.0	60.0	3.13	-0.46	-0.02	2.71e-04	-9.04e-03	0.63
104	106	0.82	-2.46e-03	2.96e-05	-0.19	0.0	2.74	-0.24	1.02e-04	2.40e-04	-2.52e-03	0.82
		0.63	-2.52e-03	0.0	0.0	60.0	2.74	-0.43	1.02e-04	2.40e-04	-2.46e-03	0.63
104	107	0.84	-2.88e-03	3.17e-05	-0.19	0.0	2.97	-0.27	-1.15e-05	2.73e-04	-2.88e-03	0.84
		0.63	-2.89e-03	0.0	0.0	60.0	2.97	-0.46	-1.15e-05	2.73e-04	-2.89e-03	0.63
104	113	2.98	0.01	1.85e-04	-0.19	0.0	11.83	-3.00	-0.04	7.84e-03	0.01	2.98
		1.12	-7.91e-03	1.90e-04	0.0	60.0	11.83	-3.19	-0.04	7.84e-03	-7.91e-03	1.12
104	114	0.13	2.13e-03	-1.22e-04	-0.19	0.0	-5.90	2.46	0.04	-7.29e-03	-0.02	-1.29
		-1.29	-0.02	-1.88e-04	0.0	60.0	-5.90	2.27	0.04	-7.29e-03	2.13e-03	0.13
104	125	0.56	0.04	1.56e-05	-0.19	0.0	7.57	0.18	-0.12	6.62e-03	0.04	0.51
		0.51	-0.03	8.53e-05	0.0	60.0	7.57	-4.93e-03	-0.12	6.62e-03	-0.03	0.56
104	126	1.18	0.02	4.77e-05	-0.19	0.0	-1.64	-0.72	0.12	-6.08e-03	-0.05	1.18
		0.69	-0.05	-8.34e-05	0.0	60.0	-1.64	-0.91	0.12	-6.08e-03	0.02	0.69
104	145	3.24	0.02	2.04e-04	-0.19	0.0	12.94	-3.34	-0.05	8.79e-03	0.02	3.24
		1.18	-8.53e-03	2.13e-04	0.0	60.0	12.94	-3.53	-0.05	8.79e-03	-8.53e-03	1.18
104	146	0.07	2.75e-03	-1.41e-04	-0.19	0.0	-7.00	2.80	0.05	-8.24e-03	-0.02	-1.55
		-1.55	-0.02	-2.11e-04	0.0	60.0	-7.00	2.61	0.05	-8.24e-03	2.75e-03	0.07
104	157	0.55	0.05	1.35e-05	-0.19	0.0	8.13	0.24	-0.14	7.43e-03	0.05	0.47
		0.47	-0.03	9.63e-05	0.0	60.0	8.13	0.05	-0.14	7.43e-03	-0.03	0.55
104	158	1.22	0.03	4.98e-05	-0.19	0.0	-2.20	-0.78	0.14	-6.88e-03	-0.05	1.22
		0.70	-0.05	-9.43e-05	0.0	60.0	-2.20	-0.97	0.14	-6.88e-03	0.03	0.70
104	177	3.13	0.02	1.94e-04	-0.19	0.0	12.51	-3.20	-0.05	8.55e-03	0.02	3.13
		1.16	-8.44e-03	2.11e-04	0.0	60.0	12.51	-3.39	-0.05	8.55e-03	-8.44e-03	1.16
104	178	0.09	2.66e-03	-1.31e-04	-0.19	0.0	-6.58	2.66	0.05	-8.01e-03	-0.02	-1.44
		-1.44	-0.02	-2.09e-04	0.0	60.0	-6.58	2.47	0.05	-8.01e-03	2.66e-03	0.09
104	189	0.55	0.05	9.97e-06	-0.19	0.0	7.73	0.23	-0.13	7.31e-03	0.05	0.48
		0.48	-0.03	9.85e-05	0.0	60.0	7.73	0.04	-0.13	7.31e-03	-0.03	0.55
104	190	1.21	0.02	5.33e-05	-0.19	0.0	-1.79	-0.77	0.13	-6.76e-03	-0.05	1.21
		0.70	-0.05	-9.66e-05	0.0	60.0	-1.79	-0.96	0.13	-6.76e-03	0.02	0.70
104	209	3.47	0.02	2.16e-04	-0.19	0.0	13.93	-3.63	-0.05	9.87e-03	0.02	3.47
		1.24	-9.38e-03	2.47e-04	0.0	60.0	13.93	-3.82	-0.05	9.87e-03	-9.38e-03	1.24
104	210	0.02	3.60e-03	-1.53e-04	-0.19	0.0	-8.00	3.09	0.05	-9.33e-03	-0.02	-1.78
		-1.78	-0.02	-2.45e-04	0.0	60.0	-8.00	2.90	0.05	-9.33e-03	3.60e-03	0.02
104	221	0.54	0.06	4.56e-06	-0.19	0.0	8.37	0.31	-0.15	8.51e-03	0.06	0.42
		0.42	-0.03	1.17e-04	0.0	60.0	8.37	0.12	-0.15	8.51e-03	-0.03	0.54
104	222	1.27	0.03	5.87e-05	-0.19	0.0	-2.44	-0.85	0.15	-7.97e-03	-0.06	1.27
		0.71	-0.06	-1.15e-04	0.0	60.0	-2.44	-1.04	0.15	-7.97e-03	0.03	0.71
105	18	-0.89	-0.06	3.10e-05	-0.16	0.0	-1.04	0.17	0.15	3.81e-04	-0.12	-0.93
		-0.93	-0.12	0.0	0.0	40.0	-1.04	0.01	0.15	3.81e-04	-0.06	-0.89
105	19	-0.35	-0.03	2.93e-05	-0.13	0.0	-1.31	0.25	0.19	2.14e-04	-0.11	-0.42
		-0.42	-0.11	0.0	0.0	40.0	-1.31	0.12	0.19	2.14e-04	-0.03	-0.35
105	20	-0.34	-0.04	2.94e-05	-0.13	0.0	-1.26	0.28	0.19	2.36e-04	-0.11	-0.42
		-0.42	-0.11	0.0	0.0	40.0	-1.26	0.15	0.19	2.36e-04	-0.04	-0.34
105	27	-1.09	0.02	2.70e-05	-0.16	0.0	1.02	0.06	-0.15	4.06e-04	0.02	-1.10

		-1.11	-0.04	-2.77e-06	0.0	40.0	1.02	-0.11	-0.15	4.06e-04	-0.04	-1.11
105	44	-0.95	0.04	2.94e-05	-0.16	0.0	1.51	0.15	-0.19	3.96e-04	0.04	-0.97
		-0.97	-0.04	-3.43e-06	0.0	40.0	1.51	-0.02	-0.19	3.96e-04	-0.04	-0.95
105	45	-0.40	0.04	2.77e-05	-0.13	0.0	1.24	0.22	-0.15	2.29e-04	0.04	-0.47
		-0.47	-0.01	-2.87e-06	0.0	40.0	1.24	0.09	-0.15	2.29e-04	-0.01	-0.40
105	72	-0.39	-0.03	2.86e-05	-0.13	0.0	-0.88	0.23	0.11	2.30e-04	-0.08	-0.45
		-0.45	-0.08	0.0	0.0	40.0	-0.88	0.10	0.11	2.30e-04	-0.03	-0.39
105	73	-0.38	-0.03	2.87e-05	-0.13	0.0	-0.85	0.25	0.11	2.44e-04	-0.08	-0.45
		-0.45	-0.08	0.0	0.0	40.0	-0.85	0.12	0.11	2.44e-04	-0.03	-0.38
105	75	-0.63	-0.04	2.47e-05	-0.13	0.0	-0.72	0.15	0.10	2.83e-04	-0.08	-0.66
		-0.66	-0.08	0.0	0.0	40.0	-0.72	0.03	0.10	2.83e-04	-0.04	-0.63
105	80	-0.76	0.01	2.21e-05	-0.13	0.0	0.69	0.09	-0.11	3.14e-04	0.01	-0.78
		-0.78	-0.03	-1.98e-06	0.0	40.0	0.69	-0.03	-0.11	3.14e-04	-0.03	-0.77
105	85	-0.42	0.03	2.75e-05	-0.13	0.0	0.82	0.21	-0.11	2.40e-04	0.03	-0.48
		-0.48	-0.02	-2.29e-06	0.0	40.0	0.82	0.08	-0.11	2.40e-04	-0.02	-0.42
105	88	-0.67	0.03	2.36e-05	-0.13	0.0	0.98	0.13	-0.13	2.93e-04	0.03	-0.69
		-0.69	-0.03	-2.41e-06	0.0	40.0	0.98	7.52e-03	-0.13	2.93e-04	-0.03	-0.67
105	98	-0.65	-8.06e-03	2.41e-05	-0.13	0.0	0.07	0.12	-0.05	2.89e-04	-8.06e-03	-0.68
		-0.68	-0.03	-1.19e-06	0.0	40.0	0.07	-8.80e-03	-0.05	2.89e-04	-0.03	-0.65
105	102	-0.40	-0.02	2.82e-05	-0.13	0.0	-0.23	0.22	-8.24e-03	2.45e-04	-0.02	-0.46
		-0.46	-0.02	0.0	0.0	40.0	-0.23	0.09	-8.24e-03	2.45e-04	-0.02	-0.40
105	103	-0.61	-0.02	2.47e-05	-0.13	0.0	-0.11	0.13	-0.02	2.79e-04	-0.02	-0.64
		-0.64	-0.03	-1.07e-06	0.0	40.0	-0.11	8.01e-03	-0.02	2.79e-04	-0.03	-0.61
105	104	-0.41	3.11e-04	2.80e-05	-0.13	0.0	0.11	0.21	-0.05	2.47e-04	3.11e-04	-0.47
		-0.47	-0.02	-1.32e-06	0.0	40.0	0.11	0.09	-0.05	2.47e-04	-0.02	-0.41
105	105	-0.62	-1.11e-03	2.45e-05	-0.13	0.0	0.23	0.13	-0.07	2.81e-04	-1.11e-03	-0.65
		-0.65	-0.03	-1.42e-06	0.0	40.0	0.23	4.35e-03	-0.07	2.81e-04	-0.03	-0.62
105	106	-0.40	-6.40e-03	2.81e-05	-0.13	0.0	-0.07	0.21	-0.04	2.49e-04	-6.40e-03	-0.46
		-0.46	-0.02	-1.07e-06	0.0	40.0	-0.07	0.09	-0.04	2.49e-04	-0.02	-0.40
105	107	-0.62	-7.82e-03	2.46e-05	-0.13	0.0	0.05	0.13	-0.05	2.83e-04	-7.82e-03	-0.65
		-0.65	-0.03	-1.17e-06	0.0	40.0	0.05	5.08e-03	-0.05	2.83e-04	-0.03	-0.62
105	113	-4.83	-1.62e-03	-1.11e-04	-0.13	0.0	-4.17	5.47	-0.06	7.85e-03	-1.62e-03	-6.99
		-6.99	-0.02	1.25e-04	0.0	40.0	-4.17	5.34	-0.06	7.85e-03	-0.02	-4.83
105	114	5.70	-0.01	1.60e-04	-0.13	0.0	4.27	-5.21	-0.05	-7.28e-03	-0.01	5.70
		3.59	-0.04	-1.27e-04	0.0	40.0	4.27	-5.33	-0.05	-7.28e-03	-0.04	3.59
105	124	-3.36	-0.04	-6.81e-05	-0.13	0.0	-7.65	4.01	0.02	-8.55e-04	-0.05	-4.94
		-4.94	-0.05	2.25e-05	0.0	40.0	-7.65	3.88	0.02	-8.55e-04	-0.04	-3.36
105	127	3.65	0.04	1.17e-04	-0.13	0.0	7.75	-3.75	-0.13	1.42e-03	0.04	3.65
		2.13	-0.02	-2.49e-05	0.0	40.0	7.75	-3.87	-0.13	1.42e-03	-0.02	2.13
105	145	-5.35	-8.68e-04	-1.27e-04	-0.13	0.0	-4.70	6.13	-0.06	8.80e-03	-8.68e-04	-7.78
		-7.78	-0.02	1.41e-04	0.0	40.0	-4.70	6.01	-0.06	8.80e-03	-0.02	-5.35
105	146	6.49	-0.01	1.77e-04	-0.13	0.0	4.80	-5.87	-0.05	-8.23e-03	-0.01	6.49
		4.11	-0.04	-1.43e-04	0.0	40.0	4.80	-6.00	-0.05	-8.23e-03	-0.04	4.11
105	156	-3.70	-0.04	-7.96e-05	-0.13	0.0	-8.61	4.49	0.03	-1.00e-03	-0.06	-5.47
		-5.47	-0.06	2.53e-05	0.0	40.0	-8.61	4.36	0.03	-1.00e-03	-0.04	-3.70
105	159	4.18	0.04	1.29e-04	-0.13	0.0	8.71	-4.23	-0.14	1.57e-03	0.04	4.18
		2.47	-0.01	-2.76e-05	0.0	40.0	8.71	-4.35	-0.14	1.57e-03	-0.01	2.47
105	177	-5.12	-9.92e-04	-1.20e-04	-0.13	0.0	-4.50	5.84	-0.06	8.56e-03	-9.92e-04	-7.43
		-7.43	-0.02	1.40e-04	0.0	40.0	-4.50	5.71	-0.06	8.56e-03	-0.02	-5.12
105	178	6.14	-0.01	1.69e-04	-0.13	0.0	4.59	-5.58	-0.05	-8.00e-03	-0.01	6.14
		3.89	-0.04	-1.42e-04	0.0	40.0	4.59	-5.70	-0.05	-8.00e-03	-0.04	3.89
105	188	-3.56	-0.04	-7.60e-05	-0.13	0.0	-8.41	4.31	0.03	-1.03e-03	-0.06	-5.25
		-5.25	-0.06	2.31e-05	0.0	40.0	-8.41	4.19	0.03	-1.03e-03	-0.04	-3.56
105	191	3.96	0.04	1.25e-04	-0.13	0.0	8.51	-4.05	-0.14	1.60e-03	0.04	3.96
		2.32	-0.01	-2.55e-05	0.0	40.0	8.51	-4.17	-0.14	1.60e-03	-0.01	2.32
105	209	-5.78	1.56e-04	-1.41e-04	-0.13	0.0	-5.17	6.67	-0.06	9.89e-03	1.56e-04	-8.42
		-8.42	-0.01	1.64e-04	0.0	40.0	-5.17	6.54	-0.06	9.89e-03	-0.01	-5.78
105	210	7.13	-0.02	1.90e-04	-0.13	0.0	5.27	-6.41	-0.04	-9.32e-03	-0.02	7.13
		4.55	-0.04	-1.66e-04	0.0	40.0	5.27	-6.53	-0.04	-9.32e-03	-0.04	4.55
105	220	-3.99	-0.05	-9.11e-05	-0.13	0.0	-9.76	4.94	0.04	-1.31e-03	-0.07	-5.94
		-5.94	-0.07	2.60e-05	0.0	40.0	-9.76	4.81	0.04	-1.31e-03	-0.05	-3.99
105	223	4.65	0.05	1.40e-04	-0.13	0.0	9.85	-4.68	-0.15	1.87e-03	0.05	4.65
		2.76	-0.01	-2.84e-05	0.0	40.0	9.85	-4.80	-0.15	1.87e-03	-0.01	2.76
106	12	-0.20	-8.28e-04	2.37e-05	-0.13	0.0	-0.54	0.41	0.08	2.69e-04	-0.03	-0.34
		-0.34	-0.03	-3.29e-06	0.0	40.0	-0.54	0.29	0.08	2.69e-04	-8.28e-04	-0.20
106	18	-0.69	-5.35e-04	1.50e-05	-0.16	0.0	-0.65	0.57	0.14	3.81e-04	-0.06	-0.89
		-0.89	-0.06	-5.57e-06	0.0	40.0	-0.65	0.41	0.14	3.81e-04	-5.35e-04	-0.69
106	19	-0.22	-1.70e-03	2.32e-05	-0.13	0.0	-1.09	0.39	0.08	2.14e-04	-0.03	-0.35
		-0.35	-0.03	-2.49e-06	0.0	40.0	-1.09	0.27	0.08	2.14e-04	-1.70e-03	-0.22
106	27	-0.90	3.65e-03	6.73e-06	-0.16	0.0	1.21	0.59	0.12	4.06e-04	-0.04	-1.11
		-1.11	-0.04	-7.92e-06	0.0	40.0	1.21	0.43	0.12	4.06e-04	3.65e-03	-0.90
106	43	-0.76	4.31e-03	1.18e-05	-0.16	0.0	1.55	0.58	0.10	3.75e-04	-0.03	-0.96
		-0.96	-0.03	-8.00e-06	0.0	40.0	1.55	0.42	0.10	3.75e-04	4.31e-03	-0.76
106	44	-0.74	4.29e-03	1.23e-05	-0.16	0.0	1.61	0.59	0.10	3.96e-04	-0.04	-0.95
		-0.95	-0.04	-8.23e-06	0.0	40.0	1.61	0.43	0.10	3.96e-04	4.29e-03	-0.74

106	69	-0.24	-2.68e-04	2.21e-05	-0.13	0.0	-0.33	0.41	0.08	2.66e-04	-0.03	-0.38
		-0.38	-0.03	-3.44e-06	0.0	40.0	-0.33	0.28	0.08	2.66e-04	-2.68e-04	-0.24
106	72	-0.25	-8.52e-04	2.18e-05	-0.13	0.0	-0.70	0.39	0.08	2.30e-04	-0.03	-0.39
		-0.39	-0.03	-2.92e-06	0.0	40.0	-0.70	0.27	0.08	2.30e-04	-8.52e-04	-0.25
106	75	-0.48	-3.23e-04	1.34e-05	-0.13	0.0	-0.45	0.43	0.10	2.83e-04	-0.04	-0.63
		-0.63	-0.04	-4.08e-06	0.0	40.0	-0.45	0.31	0.10	2.83e-04	-3.23e-04	-0.48
106	79	-0.62	2.47e-03	7.90e-06	-0.13	0.0	0.79	0.45	0.08	3.00e-04	-0.03	-0.77
		-0.77	-0.03	-5.64e-06	0.0	40.0	0.79	0.32	0.08	3.00e-04	2.47e-03	-0.62
106	87	-0.52	2.91e-03	1.13e-05	-0.13	0.0	1.02	0.44	0.07	2.79e-04	-0.03	-0.67
		-0.67	-0.03	-5.70e-06	0.0	40.0	1.02	0.31	0.07	2.79e-04	2.91e-03	-0.52
106	88	-0.51	2.89e-03	1.16e-05	-0.13	0.0	1.06	0.44	0.07	2.93e-04	-0.03	-0.67
		-0.67	-0.03	-5.85e-06	0.0	40.0	1.06	0.32	0.07	2.93e-04	2.89e-03	-0.51
106	98	-0.51	1.23e-03	1.22e-05	-0.13	0.0	0.23	0.43	0.08	2.89e-04	-0.03	-0.65
		-0.65	-0.03	-4.47e-06	0.0	40.0	0.23	0.30	0.08	2.89e-04	1.23e-03	-0.51
106	99	-0.27	6.76e-04	2.10e-05	-0.13	0.0	0.04	0.40	0.06	2.55e-04	-0.02	-0.40
		-0.40	-0.02	-3.52e-06	0.0	40.0	0.04	0.27	0.06	2.55e-04	6.76e-04	-0.27
106	102	-0.27	3.75e-04	2.10e-05	-0.13	0.0	-0.12	0.40	0.06	2.45e-04	-0.02	-0.40
		-0.40	-0.02	-3.35e-06	0.0	40.0	-0.12	0.27	0.06	2.45e-04	3.75e-04	-0.27
106	103	-0.47	8.41e-04	1.36e-05	-0.13	0.0	0.06	0.42	0.08	2.79e-04	-0.03	-0.61
		-0.61	-0.03	-4.22e-06	0.0	40.0	0.06	0.30	0.08	2.79e-04	8.41e-04	-0.47
106	105	-0.48	1.48e-03	1.32e-05	-0.13	0.0	0.36	0.43	0.07	2.81e-04	-0.03	-0.62
		-0.62	-0.03	-4.57e-06	0.0	40.0	0.36	0.30	0.07	2.81e-04	1.48e-03	-0.48
106	106	-0.27	6.82e-04	2.08e-05	-0.13	0.0	0.03	0.40	0.06	2.49e-04	-0.02	-0.40
		-0.40	-0.02	-3.46e-06	0.0	40.0	0.03	0.27	0.06	2.49e-04	6.82e-04	-0.27
106	107	-0.47	1.15e-03	1.34e-05	-0.13	0.0	0.20	0.42	0.08	2.83e-04	-0.03	-0.62
		-0.62	-0.03	-4.33e-06	0.0	40.0	0.20	0.30	0.08	2.83e-04	1.15e-03	-0.47
106	113	-2.28	-0.02	-1.44e-04	-0.13	0.0	-3.53	6.44	0.01	7.85e-03	-0.02	-4.83
		-4.83	-0.02	1.23e-04	0.0	40.0	-3.53	6.31	0.01	7.85e-03	-0.02	-2.28
106	114	3.59	0.02	1.70e-04	-0.13	0.0	3.94	-5.59	0.14	-7.28e-03	-0.04	3.59
		1.33	-0.04	-1.32e-04	0.0	40.0	3.94	-5.72	0.14	-7.28e-03	0.02	1.33
106	124	-0.31	2.55e-03	-9.94e-05	-0.13	0.0	-6.91	4.60	0.10	-8.55e-04	-0.04	-3.36
		-3.36	-0.04	1.82e-05	0.0	40.0	-6.91	4.47	0.10	-8.55e-04	2.55e-03	-0.31
106	127	2.13	-2.58e-04	1.26e-04	-0.13	0.0	7.32	-3.75	0.05	1.42e-03	-0.02	2.13
		-0.64	-0.02	-2.69e-05	0.0	40.0	7.32	-3.88	0.05	1.42e-03	-2.58e-04	-0.64
106	138	2.16	0.01	1.10e-04	-0.13	0.0	-1.25	-3.39	0.14	1.27e-03	-0.05	2.16
		0.79	-0.05	-3.75e-05	0.0	40.0	-1.25	-3.52	0.14	1.27e-03	0.01	0.79
106	145	-2.50	-0.02	-1.63e-04	-0.13	0.0	-4.00	7.19	5.44e-03	8.80e-03	-0.02	-5.35
		-5.35	-0.02	1.39e-04	0.0	40.0	-4.00	7.06	5.44e-03	8.80e-03	-0.02	-2.50
106	146	4.11	0.02	1.90e-04	-0.13	0.0	4.41	-6.34	0.14	-8.23e-03	-0.04	4.11
		1.55	-0.04	-1.48e-04	0.0	40.0	4.41	-6.47	0.14	-8.23e-03	0.02	1.55
106	156	-0.29	2.70e-03	-1.13e-04	-0.13	0.0	-7.80	5.11	0.10	-1.00e-03	-0.04	-3.70
		-3.70	-0.04	2.09e-05	0.0	40.0	-7.80	4.99	0.10	-1.00e-03	2.70e-03	-0.29
106	159	2.47	-4.04e-04	1.40e-04	-0.13	0.0	8.21	-4.27	0.05	1.57e-03	-0.01	2.47
		-0.66	-0.01	-2.95e-05	0.0	40.0	8.21	-4.39	0.05	1.57e-03	-4.04e-04	-0.66
106	170	2.50	0.01	1.21e-04	-0.13	0.0	-1.43	-3.85	0.15	1.39e-03	-0.05	2.50
		0.94	-0.05	-4.17e-05	0.0	40.0	-1.43	-3.98	0.15	1.39e-03	0.01	0.94
106	177	-2.41	-0.02	-1.49e-04	-0.13	0.0	-3.82	6.85	7.73e-03	8.56e-03	-0.02	-5.12
		-5.12	-0.02	1.38e-04	0.0	40.0	-3.82	6.73	7.73e-03	8.56e-03	-0.02	-2.41
106	178	3.89	0.02	1.76e-04	-0.13	0.0	4.22	-6.01	0.14	-8.00e-03	-0.04	3.89
		1.46	-0.04	-1.46e-04	0.0	40.0	4.22	-6.13	0.14	-8.00e-03	0.02	1.46
106	188	-0.30	2.40e-03	-1.08e-04	-0.13	0.0	-7.62	4.91	0.10	-1.03e-03	-0.04	-3.56
		-3.56	-0.04	1.87e-05	0.0	40.0	-7.62	4.78	0.10	-1.03e-03	2.40e-03	-0.30
106	191	2.32	-1.10e-04	1.34e-04	-0.13	0.0	8.03	-4.06	0.05	1.60e-03	-0.01	2.32
		-0.65	-0.01	-2.74e-05	0.0	40.0	8.03	-4.19	0.05	1.60e-03	-1.10e-04	-0.65
106	202	2.34	0.01	1.15e-04	-0.13	0.0	-1.34	-3.62	0.14	1.34e-03	-0.05	2.34
		0.87	-0.05	-4.10e-05	0.0	40.0	-1.34	-3.74	0.14	1.34e-03	0.01	0.87
106	209	-2.69	-0.01	-1.69e-04	-0.13	0.0	-4.41	7.79	-2.75e-03	9.89e-03	-0.01	-5.78
		-5.78	-0.02	1.62e-04	0.0	40.0	-4.41	7.66	-2.75e-03	9.89e-03	-0.02	-2.69
106	210	4.55	0.02	1.95e-04	-0.13	0.0	4.81	-6.94	0.15	-9.32e-03	-0.04	4.55
		1.75	-0.04	-1.71e-04	0.0	40.0	4.81	-7.07	0.15	-9.32e-03	0.02	1.75
106	220	-0.27	2.53e-03	-1.25e-04	-0.13	0.0	-8.86	5.58	0.10	-1.31e-03	-0.05	-3.99
		-3.99	-0.05	2.14e-05	0.0	40.0	-8.86	5.45	0.10	-1.31e-03	2.53e-03	-0.27
106	223	2.76	-2.37e-04	1.52e-04	-0.13	0.0	9.27	-4.73	0.05	1.87e-03	-0.01	2.76
		-0.67	-0.01	-3.01e-05	0.0	40.0	9.27	-4.85	0.05	1.87e-03	-2.37e-04	-0.67
106	234	2.79	0.02	1.28e-04	-0.13	0.0	-1.56	-4.22	0.16	1.48e-03	-0.05	2.79
		1.08	-0.05	-4.77e-05	0.0	40.0	-1.56	-4.34	0.16	1.48e-03	0.02	1.08
107	4	0.0	0.18	-1.97e-05	-0.16	0.0	-0.59	2.23	0.45	4.18e-04	7.35e-04	-0.86
		-0.86	7.35e-04	-8.32e-06	0.0	40.0	-0.59	2.06	0.45	4.18e-04	0.18	0.0
107	15	0.0	0.12	1.82e-05	-0.16	0.0	-1.63	0.96	0.30	3.01e-04	-1.33e-03	-0.35
		-0.35	-1.33e-03	-5.09e-06	0.0	40.0	-1.63	0.80	0.30	3.01e-04	0.12	0.0
107	20	0.0	0.09	1.94e-05	-0.13	0.0	-1.53	0.57	0.23	2.36e-04	-1.73e-03	-0.20
		-0.20	-1.73e-03	-3.73e-06	0.0	40.0	-1.53	0.44	0.23	2.36e-04	0.09	0.0
107	27	0.0	0.17	-2.37e-05	-0.16	0.0	0.69	2.34	0.42	4.06e-04	3.65e-03	-0.90
		-0.90	3.65e-03	-9.46e-06	0.0	40.0	0.69	2.17	0.42	4.06e-04	0.17	0.0
107	48	0.0	0.13	-1.19e-05	-0.13	0.0	1.07	1.58	0.31	3.09e-04	3.91e-03	-0.61

		-0.61	3.91e-03	-7.99e-06	0.0	40.0	1.07	1.45	0.31	3.09e-04	0.13	0.0
107	68	0.0	0.13	-9.98e-06	-0.13	0.0	-0.48	1.54	0.32	3.08e-04	5.23e-04	-0.59
		-0.59	5.23e-04	-6.00e-06	0.0	40.0	-0.48	1.41	0.32	3.08e-04	0.13	0.0
107	72	0.0	0.09	1.53e-05	-0.13	0.0	-1.17	0.69	0.22	2.30e-04	-8.52e-04	-0.25
		-0.25	-8.52e-04	-3.85e-06	0.0	40.0	-1.17	0.57	0.22	2.30e-04	0.09	0.0
107	73	0.0	0.09	1.61e-05	-0.13	0.0	-1.15	0.67	0.23	2.44e-04	-8.66e-04	-0.24
		-0.24	-8.66e-04	-4.05e-06	0.0	40.0	-1.15	0.54	0.23	2.44e-04	0.09	0.0
107	79	0.0	0.12	-1.26e-05	-0.13	0.0	0.38	1.61	0.30	3.00e-04	2.47e-03	-0.62
		-0.62	2.47e-03	-6.77e-06	0.0	40.0	0.38	1.48	0.30	3.00e-04	0.12	0.0
107	88	0.0	0.12	-4.71e-06	-0.13	0.0	0.58	1.34	0.29	2.93e-04	2.89e-03	-0.51
		-0.51	2.89e-03	-6.89e-06	0.0	40.0	0.58	1.22	0.29	2.93e-04	0.12	0.0
107	98	0.0	0.11	-4.12e-06	-0.13	0.0	-0.19	1.33	0.28	2.89e-04	1.23e-03	-0.51
		-0.51	1.23e-03	-5.56e-06	0.0	40.0	-0.19	1.21	0.28	2.89e-04	0.11	0.0
107	102	0.0	0.08	1.40e-05	-0.13	0.0	-0.60	0.73	0.21	2.45e-04	3.75e-04	-0.27
		-0.27	3.75e-04	-4.23e-06	0.0	40.0	-0.60	0.60	0.21	2.45e-04	0.08	0.0
107	105	0.0	0.11	-1.86e-06	-0.13	0.0	-0.08	1.25	0.27	2.81e-04	1.48e-03	-0.48
		-0.48	1.48e-03	-5.61e-06	0.0	40.0	-0.08	1.13	0.27	2.81e-04	0.11	0.0
107	106	0.0	0.08	1.37e-05	-0.13	0.0	-0.46	0.74	0.21	2.49e-04	6.82e-04	-0.27
		-0.27	6.82e-04	-4.33e-06	0.0	40.0	-0.46	0.61	0.21	2.49e-04	0.08	0.0
107	107	0.0	0.11	-1.58e-06	-0.13	0.0	-0.23	1.25	0.27	2.83e-04	1.15e-03	-0.47
		-0.47	1.15e-03	-5.39e-06	0.0	40.0	-0.23	1.12	0.27	2.83e-04	0.11	0.0
107	113	0.0	-0.02	-6.97e-04	-0.13	0.0	-1.18	5.76	-0.10	7.85e-03	-0.02	-2.28
		-2.28	-0.06	1.23e-04	0.0	40.0	-1.18	5.63	-0.10	7.85e-03	-0.06	0.0
107	114	1.33	0.27	6.94e-04	-0.13	0.0	0.72	-3.26	0.64	-7.28e-03	0.02	1.33
		0.0	0.02	-1.34e-04	0.0	40.0	0.72	-3.39	0.64	-7.28e-03	0.27	0.0
107	124	0.0	0.16	-2.67e-04	-0.13	0.0	-5.87	0.83	0.40	-8.55e-04	2.55e-03	-0.31
		-0.31	2.55e-03	1.57e-05	0.0	40.0	-5.87	0.70	0.40	-8.55e-04	0.16	0.0
107	127	0.0	0.06	2.64e-04	-0.13	0.0	5.42	1.67	0.13	1.42e-03	-2.58e-04	-0.64
		-0.64	-2.58e-04	-2.65e-05	0.0	40.0	5.42	1.54	0.13	1.42e-03	0.06	0.0
107	133	0.0	-0.01	-2.89e-04	-0.13	0.0	2.46	4.71	-0.15	-8.27e-04	-0.01	-1.86
		-1.86	-0.07	2.86e-05	0.0	40.0	2.46	4.58	-0.15	-8.27e-04	-0.07	0.0
107	134	0.91	0.29	2.86e-04	-0.13	0.0	-2.91	-2.21	0.69	1.39e-03	0.01	0.91
		0.0	0.01	-3.94e-05	0.0	40.0	-2.91	-2.34	0.69	1.39e-03	0.29	0.0
107	145	0.0	-0.02	-7.83e-04	-0.13	0.0	-1.29	6.32	-0.15	8.80e-03	-0.02	-2.50
		-2.50	-0.08	1.39e-04	0.0	40.0	-1.29	6.19	-0.15	8.80e-03	-0.08	0.0
107	146	1.55	0.29	7.80e-04	-0.13	0.0	0.84	-3.82	0.68	-8.23e-03	0.02	1.55
		0.0	0.02	-1.50e-04	0.0	40.0	0.84	-3.95	0.68	-8.23e-03	0.29	0.0
107	156	0.0	0.16	-3.00e-04	-0.13	0.0	-6.57	0.78	0.42	-1.00e-03	2.70e-03	-0.29
		-0.29	2.70e-03	1.82e-05	0.0	40.0	-6.57	0.65	0.42	-1.00e-03	0.16	0.0
107	159	0.0	0.05	2.97e-04	-0.13	0.0	6.12	1.72	0.11	1.57e-03	-4.04e-04	-0.66
		-0.66	-4.04e-04	-2.89e-05	0.0	40.0	6.12	1.59	0.11	1.57e-03	0.05	0.0
107	165	0.0	-0.01	-3.25e-04	-0.13	0.0	2.79	5.13	-0.21	-9.73e-04	-0.01	-2.03
		-2.03	-0.09	3.28e-05	0.0	40.0	2.79	5.01	-0.21	-9.73e-04	-0.09	0.0
107	166	1.08	0.31	3.22e-04	-0.13	0.0	-3.25	-2.64	0.74	1.54e-03	0.02	1.08
		0.0	0.02	-4.35e-05	0.0	40.0	-3.25	-2.77	0.74	1.54e-03	0.31	0.0
107	177	0.0	-0.02	-7.47e-04	-0.13	0.0	-1.23	6.09	-0.14	8.56e-03	-0.02	-2.41
		-2.41	-0.07	1.38e-04	0.0	40.0	-1.23	5.96	-0.14	8.56e-03	-0.07	0.0
107	178	1.46	0.29	7.44e-04	-0.13	0.0	0.77	-3.59	0.67	-8.00e-03	0.02	1.46
		0.0	0.02	-1.49e-04	0.0	40.0	0.77	-3.72	0.67	-8.00e-03	0.29	0.0
107	188	0.0	0.16	-2.88e-04	-0.13	0.0	-6.44	0.81	0.41	-1.03e-03	2.40e-03	-0.30
		-0.30	2.40e-03	1.60e-05	0.0	40.0	-6.44	0.68	0.41	-1.03e-03	0.16	0.0
107	191	0.0	0.05	2.85e-04	-0.13	0.0	5.99	1.68	0.12	1.60e-03	-1.10e-04	-0.65
		-0.65	-1.10e-04	-2.68e-05	0.0	40.0	5.99	1.56	0.12	1.60e-03	0.05	0.0
107	197	0.0	-0.01	-3.15e-04	-0.13	0.0	2.71	5.00	-0.20	-1.01e-03	-0.01	-1.97
		-1.97	-0.09	3.07e-05	0.0	40.0	2.71	4.87	-0.20	-1.01e-03	-0.09	0.0
107	198	1.03	0.31	3.11e-04	-0.13	0.0	-3.17	-2.51	0.73	1.57e-03	0.02	1.03
		0.0	0.02	-4.15e-05	0.0	40.0	-3.17	-2.63	0.73	1.57e-03	0.31	0.0
107	209	0.0	-0.02	-8.58e-04	-0.13	0.0	-1.36	6.80	-0.20	9.89e-03	-0.02	-2.69
		-2.69	-0.10	1.62e-04	0.0	40.0	-1.36	6.67	-0.20	9.89e-03	-0.10	0.0
107	210	1.75	0.31	8.55e-04	-0.13	0.0	0.91	-4.30	0.73	-9.32e-03	0.02	1.75
		0.0	0.02	-1.73e-04	0.0	40.0	0.91	-4.43	0.73	-9.32e-03	0.31	0.0
107	220	0.0	0.17	-3.31e-04	-0.13	0.0	-7.44	0.75	0.43	-1.31e-03	2.53e-03	-0.27
		-0.27	2.53e-03	1.84e-05	0.0	40.0	-7.44	0.62	0.43	-1.31e-03	0.17	0.0
107	223	0.0	0.05	3.28e-04	-0.13	0.0	6.98	1.75	0.10	1.87e-03	-2.37e-04	-0.67
		-0.67	-2.37e-04	-2.92e-05	0.0	40.0	6.98	1.62	0.10	1.87e-03	0.05	0.0
107	229	0.0	-0.02	-3.63e-04	-0.13	0.0	3.19	5.57	-0.27	-1.28e-03	-0.02	-2.20
		-2.20	-0.12	3.59e-05	0.0	40.0	3.19	5.45	-0.27	-1.28e-03	-0.12	0.0
107	230	1.26	0.34	3.60e-04	-0.13	0.0	-3.64	-3.08	0.80	1.85e-03	0.02	1.26
		0.0	0.02	-4.67e-05	0.0	40.0	-3.64	-3.21	0.80	1.85e-03	0.34	0.0
108	4	0.0	0.23	7.00e-06	-0.16	0.0	-0.08	-0.46	-0.56	-9.99e-03	0.23	0.0
		-0.22	9.36e-03	1.47e-05	0.0	40.0	-0.08	-0.62	-0.56	-9.99e-03	9.36e-03	-0.22
108	12	0.03	0.13	-2.04e-05	-0.13	0.0	-0.84	0.14	-0.30	-5.46e-03	0.13	0.0
		0.0	4.27e-03	8.11e-06	0.0	40.0	-0.84	0.02	-0.30	-5.46e-03	4.27e-03	0.03
108	19	1.62e-03	0.11	-2.03e-05	-0.13	0.0	-1.33	0.03	-0.28	-4.48e-03	0.11	0.0
		-0.01	3.39e-03	7.76e-06	0.0	40.0	-1.33	-0.09	-0.28	-4.48e-03	3.39e-03	-0.01

108	27	0.0	0.21	8.16e-06	-0.16	0.0	1.11	-0.57	-0.49	-9.35e-03	0.21	0.0
		-0.26	9.43e-03	1.16e-05	0.0	40.0	1.11	-0.73	-0.49	-9.35e-03	9.43e-03	-0.26
108	44	0.0	0.19	0.0	-0.16	0.0	1.34	-0.37	-0.45	-8.85e-03	0.19	0.0
		-0.18	8.87e-03	9.87e-06	0.0	40.0	1.34	-0.54	-0.45	-8.85e-03	8.87e-03	-0.18
108	68	0.0	0.16	1.22e-06	-0.13	0.0	-0.12	-0.29	-0.40	-7.13e-03	0.16	0.0
		-0.14	6.59e-03	1.04e-05	0.0	40.0	-0.12	-0.42	-0.40	-7.13e-03	6.59e-03	-0.14
108	69	6.28e-03	0.12	-1.83e-05	-0.13	0.0	-0.62	0.06	-0.29	-5.31e-03	0.12	0.0
		0.0	4.33e-03	7.66e-06	0.0	40.0	-0.62	-0.06	-0.29	-5.31e-03	4.33e-03	1.26e-05
108	72	0.0	0.11	-1.82e-05	-0.13	0.0	-0.95	-0.01	-0.28	-4.66e-03	0.11	0.0
		-0.03	3.74e-03	7.43e-06	0.0	40.0	-0.95	-0.14	-0.28	-4.66e-03	3.74e-03	-0.03
108	79	0.0	0.15	2.00e-06	-0.13	0.0	0.67	-0.37	-0.35	-6.70e-03	0.15	0.0
		-0.17	6.64e-03	8.39e-06	0.0	40.0	0.67	-0.49	-0.35	-6.70e-03	6.64e-03	-0.17
108	88	0.0	0.14	-3.95e-06	-0.13	0.0	0.83	-0.24	-0.32	-6.37e-03	0.14	0.0
		-0.12	6.27e-03	7.20e-06	0.0	40.0	0.83	-0.36	-0.32	-6.37e-03	6.27e-03	-0.12
108	98	0.0	0.14	-3.88e-06	-0.13	0.0	0.09	-0.26	-0.33	-6.09e-03	0.14	0.0
		-0.13	5.69e-03	8.37e-06	0.0	40.0	0.09	-0.39	-0.33	-6.09e-03	5.69e-03	-0.13
108	102	0.0	0.11	-1.76e-05	-0.13	0.0	-0.41	-0.04	-0.25	-4.60e-03	0.11	0.0
		-0.04	3.89e-03	6.43e-06	0.0	40.0	-0.41	-0.16	-0.25	-4.60e-03	3.89e-03	-0.04
108	104	0.0	0.10	-1.74e-05	-0.13	0.0	-0.14	-0.05	-0.24	-4.57e-03	0.10	0.0
		-0.04	3.99e-03	5.87e-06	0.0	40.0	-0.14	-0.17	-0.24	-4.57e-03	3.99e-03	-0.04
108	105	0.0	0.13	-5.79e-06	-0.13	0.0	0.18	-0.24	-0.31	-5.86e-03	0.13	0.0
		-0.12	5.50e-03	7.75e-06	0.0	40.0	0.18	-0.36	-0.31	-5.86e-03	5.50e-03	-0.12
108	106	0.0	0.10	-1.74e-05	-0.13	0.0	-0.28	-0.05	-0.25	-4.58e-03	0.10	0.0
		-0.04	3.93e-03	6.18e-06	0.0	40.0	-0.28	-0.17	-0.25	-4.58e-03	3.93e-03	-0.04
108	107	0.0	0.13	-5.81e-06	-0.13	0.0	0.04	-0.23	-0.32	-5.88e-03	0.13	0.0
		-0.12	5.44e-03	8.06e-06	0.0	40.0	0.04	-0.36	-0.32	-5.88e-03	5.44e-03	-0.12
108	108	2.15	0.40	-1.24e-04	-0.13	0.0	-1.64	5.44	-0.90	1.74e-03	0.40	0.0
		0.0	0.04	1.36e-04	0.0	40.0	-1.64	5.31	-0.90	1.74e-03	0.04	2.15
108	111	0.0	-0.03	1.12e-04	-0.13	0.0	1.71	-5.90	0.27	-0.01	-0.14	0.0
		-2.39	-0.14	-1.20e-04	0.0	40.0	1.71	-6.03	0.27	-0.01	-0.03	-2.39
108	124	1.53	0.44	-1.16e-04	-0.13	0.0	-4.08	3.88	-1.01	-6.28e-03	0.44	0.0
		0.0	0.04	4.56e-05	0.0	40.0	-4.08	3.75	-1.01	-6.28e-03	0.04	1.53
108	127	0.0	-0.03	1.05e-04	-0.13	0.0	4.16	-4.34	0.37	-5.47e-03	-0.18	0.0
		-1.76	-0.18	-2.95e-05	0.0	40.0	4.16	-4.47	0.37	-5.47e-03	-0.03	-1.76
108	140	2.43	0.44	-1.39e-04	-0.13	0.0	-1.84	6.15	-0.98	2.71e-03	0.44	0.0
		0.0	0.05	1.53e-04	0.0	40.0	-1.84	6.02	-0.98	2.71e-03	0.05	2.43
108	143	0.0	-0.04	1.27e-04	-0.13	0.0	1.92	-6.61	0.34	-0.01	-0.17	0.0
		-2.67	-0.17	-1.37e-04	0.0	40.0	1.92	-6.74	0.34	-0.01	-0.04	-2.67
108	156	1.73	0.48	-1.30e-04	-0.13	0.0	-4.59	4.39	-1.10	-6.35e-03	0.48	0.0
		0.0	0.04	5.01e-05	0.0	40.0	-4.59	4.26	-1.10	-6.35e-03	0.04	1.73
108	159	0.0	-0.03	1.18e-04	-0.13	0.0	4.66	-4.85	0.46	-5.40e-03	-0.21	0.0
		-1.97	-0.21	-3.40e-05	0.0	40.0	4.66	-4.98	0.46	-5.40e-03	-0.03	-1.97
108	172	2.31	0.42	-1.49e-04	-0.13	0.0	-1.75	5.83	-0.95	2.70e-03	0.42	0.0
		0.0	0.05	1.51e-04	0.0	40.0	-1.75	5.71	-0.95	2.70e-03	0.05	2.31
108	175	0.0	-0.03	1.37e-04	-0.13	0.0	1.83	-6.30	0.31	-0.01	-0.16	0.0
		-2.55	-0.16	-1.35e-04	0.0	40.0	1.83	-6.43	0.31	-0.01	-0.03	-2.55
108	188	1.66	0.47	-1.32e-04	-0.13	0.0	-4.47	4.20	-1.08	-6.40e-03	0.47	0.0
		0.0	0.04	4.77e-05	0.0	40.0	-4.47	4.08	-1.08	-6.40e-03	0.04	1.66
108	191	0.0	-0.03	1.21e-04	-0.13	0.0	4.55	-4.67	0.44	-5.35e-03	-0.21	0.0
		-1.89	-0.21	-3.16e-05	0.0	40.0	4.55	-4.79	0.44	-5.35e-03	-0.03	-1.89
108	204	2.66	0.47	-1.79e-04	-0.13	0.0	-2.03	6.72	-1.04	4.19e-03	0.47	0.0
		0.0	0.05	1.76e-04	0.0	40.0	-2.03	6.59	-1.04	4.19e-03	0.05	2.66
108	207	0.0	-0.04	1.67e-04	-0.13	0.0	2.11	-7.18	0.40	-0.02	-0.20	0.0
		-2.90	-0.20	-1.60e-04	0.0	40.0	2.11	-7.31	0.40	-0.02	-0.04	-2.90
108	220	1.92	0.52	-1.55e-04	-0.13	0.0	-5.19	4.87	-1.20	-6.54e-03	0.52	0.0
		0.0	0.05	5.31e-05	0.0	40.0	-5.19	4.74	-1.20	-6.54e-03	0.05	1.92
108	223	0.0	-0.04	1.43e-04	-0.13	0.0	5.27	-5.34	0.56	-5.21e-03	-0.26	0.0
		-2.16	-0.26	-3.70e-05	0.0	40.0	5.27	-5.46	0.56	-5.21e-03	-0.04	-2.16
109	11	0.31	8.61e-03	-1.90e-05	-0.16	0.0	1.16	1.18	-0.14	-9.53e-03	8.61e-03	-0.13
		-0.13	-0.05	1.22e-05	0.0	40.0	1.16	1.02	-0.14	-9.53e-03	-0.05	0.31
109	18	0.27	8.11e-03	-1.94e-05	-0.16	0.0	0.71	1.13	-0.14	-9.06e-03	8.11e-03	-0.15
		-0.15	-0.05	1.25e-05	0.0	40.0	0.71	0.97	-0.14	-9.06e-03	-0.05	0.27
109	19	0.11	3.39e-03	-2.39e-05	-0.13	0.0	-0.42	0.36	-0.08	-4.48e-03	3.39e-03	-0.01
		-0.01	-0.03	6.87e-06	0.0	40.0	-0.42	0.23	-0.08	-4.48e-03	-0.03	0.11
109	27	0.22	9.43e-03	-1.49e-05	-0.16	0.0	2.42	1.27	-0.11	-9.35e-03	9.43e-03	-0.26
		-0.26	-0.04	1.01e-05	0.0	40.0	2.42	1.11	-0.11	-9.35e-03	-0.04	0.22
109	28	0.27	9.81e-03	-1.47e-05	-0.16	0.0	2.51	1.33	-0.12	-9.86e-03	9.81e-03	-0.23
		-0.23	-0.04	1.06e-05	0.0	40.0	2.51	1.17	-0.12	-9.86e-03	-0.04	0.27
109	44	0.23	8.87e-03	-1.89e-05	-0.16	0.0	2.59	1.11	-0.10	-8.85e-03	8.87e-03	-0.18
		-0.18	-0.03	8.48e-06	0.0	40.0	2.59	0.94	-0.10	-8.85e-03	-0.03	0.23
109	71	0.21	6.09e-03	-1.62e-05	-0.13	0.0	0.81	0.81	-0.10	-6.82e-03	6.09e-03	-0.09
		-0.09	-0.03	8.68e-06	0.0	40.0	0.81	0.68	-0.10	-6.82e-03	-0.03	0.21
109	72	0.10	3.74e-03	-2.29e-05	-0.13	0.0	-0.05	0.40	-0.08	-4.66e-03	3.74e-03	-0.03
		-0.03	-0.03	6.54e-06	0.0	40.0	-0.05	0.27	-0.08	-4.66e-03	-0.03	0.10
109	75	0.19	5.76e-03	-1.64e-05	-0.13	0.0	0.50	0.78	-0.10	-6.51e-03	5.76e-03	-0.10

		-0.10	-0.03	8.84e-06	0.0	40.0	0.50	0.65	-0.10	-6.51e-03	-0.03	0.19
109	79	0.15	6.64e-03	-1.35e-05	-0.13	0.0	1.64	0.87	-0.08	-6.70e-03	6.64e-03	-0.17
		-0.17	-0.03	7.29e-06	0.0	40.0	1.64	0.75	-0.08	-6.70e-03	-0.03	0.15
109	80	0.18	6.90e-03	-1.34e-05	-0.13	0.0	1.71	0.91	-0.08	-7.04e-03	6.90e-03	-0.16
		-0.16	-0.03	7.62e-06	0.0	40.0	1.71	0.78	-0.08	-7.04e-03	-0.03	0.18
109	88	0.16	6.27e-03	-1.61e-05	-0.13	0.0	1.76	0.76	-0.07	-6.37e-03	6.27e-03	-0.12
		-0.12	-0.02	6.19e-06	0.0	40.0	1.76	0.63	-0.07	-6.37e-03	-0.02	0.16
109	98	0.14	5.69e-03	-1.61e-05	-0.13	0.0	1.04	0.73	-0.08	-6.09e-03	5.69e-03	-0.13
		-0.13	-0.03	7.32e-06	0.0	40.0	1.04	0.60	-0.08	-6.09e-03	-0.03	0.14
109	101	0.14	5.54e-03	-1.70e-05	-0.13	0.0	1.00	0.69	-0.08	-6.01e-03	5.54e-03	-0.11
		-0.11	-0.02	7.16e-06	0.0	40.0	1.00	0.57	-0.08	-6.01e-03	-0.02	0.14
109	102	0.09	3.89e-03	-2.26e-05	-0.13	0.0	0.43	0.39	-0.06	-4.60e-03	3.89e-03	-0.04
		-0.04	-0.02	5.58e-06	0.0	40.0	0.43	0.26	-0.06	-4.60e-03	-0.02	0.09
109	103	0.13	5.40e-03	-1.71e-05	-0.13	0.0	0.85	0.68	-0.08	-5.89e-03	5.40e-03	-0.12
		-0.12	-0.03	7.27e-06	0.0	40.0	0.85	0.56	-0.08	-5.89e-03	-0.03	0.13
109	105	0.13	5.50e-03	-1.71e-05	-0.13	0.0	1.10	0.68	-0.07	-5.86e-03	5.50e-03	-0.12
		-0.12	-0.02	6.74e-06	0.0	40.0	1.10	0.55	-0.07	-5.86e-03	-0.02	0.13
109	106	0.08	3.93e-03	-2.25e-05	-0.13	0.0	0.55	0.38	-0.06	-4.58e-03	3.93e-03	-0.04
		-0.04	-0.02	5.34e-06	0.0	40.0	0.55	0.26	-0.06	-4.58e-03	-0.02	0.08
109	107	0.13	5.44e-03	-1.70e-05	-0.13	0.0	0.97	0.68	-0.07	-5.88e-03	5.44e-03	-0.12
		-0.12	-0.02	7.04e-06	0.0	40.0	0.97	0.55	-0.07	-5.88e-03	-0.02	0.13
109	108	5.33	0.04	-2.05e-04	-0.13	0.0	3.62	8.01	-0.17	1.74e-03	0.04	2.15
		2.15	-0.02	1.36e-04	0.0	40.0	3.62	7.89	-0.17	1.74e-03	-0.02	5.33
109	111	-2.39	-0.03	1.71e-04	-0.13	0.0	-1.68	-6.66	0.02	-0.01	-0.03	-2.39
		-5.07	-0.03	-1.22e-04	0.0	40.0	-1.68	-6.78	0.02	-0.01	-0.03	-5.07
109	126	1.11	0.02	-3.83e-05	-0.13	0.0	-2.49	1.96	-0.15	-0.01	0.02	0.36
		0.36	-0.04	-3.43e-05	0.0	40.0	-2.49	1.83	-0.15	-0.01	-0.04	1.11
109	133	3.67	4.57e-03	-1.50e-04	-0.13	0.0	6.49	5.78	-0.05	-6.37e-03	4.57e-03	1.38
		1.38	-5.30e-03	3.09e-05	0.0	40.0	6.49	5.66	-0.05	-6.37e-03	-5.30e-03	3.67
109	134	-1.62	6.31e-03	1.16e-04	-0.13	0.0	-4.54	-4.43	-0.10	-5.38e-03	6.31e-03	-1.62
		-3.41	-0.04	-1.69e-05	0.0	40.0	-4.54	-4.55	-0.10	-5.38e-03	-0.04	-3.41
109	140	5.98	0.05	-2.29e-04	-0.13	0.0	3.96	8.93	-0.18	2.71e-03	0.05	2.43
		2.43	-0.02	1.52e-04	0.0	40.0	3.96	8.80	-0.18	2.71e-03	-0.02	5.98
109	143	-2.67	-0.03	1.95e-04	-0.13	0.0	-2.01	-7.57	0.03	-0.01	-0.04	-2.67
		-5.72	-0.04	-1.38e-04	0.0	40.0	-2.01	-7.70	0.03	-0.01	-0.03	-5.72
109	158	1.23	0.02	-4.08e-05	-0.13	0.0	-2.91	2.11	-0.16	-0.01	0.02	0.41
		0.41	-0.05	-3.98e-05	0.0	40.0	-2.91	1.98	-0.16	-0.01	-0.05	1.23
109	165	4.11	4.50e-03	-1.67e-04	-0.13	0.0	7.18	6.41	-0.05	-6.44e-03	4.50e-03	1.57
		1.57	-2.98e-03	3.38e-05	0.0	40.0	7.18	6.29	-0.05	-6.44e-03	-2.98e-03	4.11
109	166	-1.80	6.38e-03	1.32e-04	-0.13	0.0	-5.23	-5.06	-0.10	-5.31e-03	6.38e-03	-1.80
		-3.85	-0.05	-1.98e-05	0.0	40.0	-5.23	-5.18	-0.10	-5.31e-03	-0.05	-3.85
109	172	5.69	0.05	-2.27e-04	-0.13	0.0	3.81	8.53	-0.17	2.70e-03	0.05	2.31
		2.31	-0.02	1.51e-04	0.0	40.0	3.81	8.40	-0.17	2.70e-03	-0.02	5.69
109	175	-2.55	-0.03	1.93e-04	-0.13	0.0	-1.86	-7.17	0.03	-0.01	-0.03	-2.55
		-5.44	-0.03	-1.36e-04	0.0	40.0	-1.86	-7.30	0.03	-0.01	-0.03	-5.44
109	190	1.21	0.02	-4.11e-05	-0.13	0.0	-2.70	2.08	-0.16	-0.01	0.02	0.41
		0.41	-0.05	-4.18e-05	0.0	40.0	-2.70	1.95	-0.16	-0.01	-0.05	1.21
109	197	3.93	4.99e-03	-1.66e-04	-0.13	0.0	7.04	6.17	-0.05	-6.49e-03	4.99e-03	1.49
		1.49	-3.60e-03	3.22e-05	0.0	40.0	7.04	6.05	-0.05	-6.49e-03	-3.60e-03	3.93
109	198	-1.73	5.90e-03	1.32e-04	-0.13	0.0	-5.10	-4.82	-0.10	-5.26e-03	5.90e-03	-1.73
		-3.68	-0.04	-1.81e-05	0.0	40.0	-5.10	-4.94	-0.10	-5.26e-03	-0.04	-3.68
109	204	6.51	0.05	-2.62e-04	-0.13	0.0	4.21	9.68	-0.19	4.19e-03	0.05	2.66
		2.66	-0.02	1.75e-04	0.0	40.0	4.21	9.55	-0.19	4.19e-03	-0.02	6.51
109	207	-2.90	-0.03	2.28e-04	-0.13	0.0	-2.27	-8.32	0.04	-0.02	-0.04	-2.90
		-6.25	-0.04	-1.61e-04	0.0	40.0	-2.27	-8.45	0.04	-0.02	-0.03	-6.25
109	226	1.92	0.03	-6.80e-05	-0.13	0.0	-2.79	3.05	-0.18	-0.01	0.03	0.72
		0.72	-0.05	-5.66e-05	0.0	40.0	-2.79	2.93	-0.18	-0.01	-0.05	1.92
109	229	4.50	5.06e-03	-1.91e-04	-0.13	0.0	8.01	7.00	-0.05	-6.65e-03	5.06e-03	1.73
		1.73	-2.66e-04	3.58e-05	0.0	40.0	8.01	6.87	-0.05	-6.65e-03	-2.66e-04	4.50
109	230	-1.96	5.82e-03	1.56e-04	-0.13	0.0	-6.06	-5.64	-0.10	-5.10e-03	5.82e-03	-1.96
		-4.25	-0.05	-2.17e-05	0.0	40.0	-6.06	-5.77	-0.10	-5.10e-03	-0.05	-4.25
110	4	0.78	-0.05	-1.08e-05	-0.16	0.0	1.15	1.31	-0.08	-9.99e-03	-0.05	0.29
		0.29	-0.08	8.54e-06	0.0	40.0	1.15	1.15	-0.08	-9.99e-03	-0.08	0.78
110	18	0.68	-0.05	-1.55e-05	-0.16	0.0	0.45	1.11	-0.18	-9.06e-03	-0.05	0.27
		0.27	-0.12	8.56e-06	0.0	40.0	0.45	0.95	-0.18	-9.06e-03	-0.12	0.68
110	19	0.23	-0.03	-2.26e-05	-0.13	0.0	-0.57	0.37	-0.21	-4.48e-03	-0.03	0.11
		0.11	-0.11	5.16e-06	0.0	40.0	-0.57	0.25	-0.21	-4.48e-03	-0.11	0.23
110	44	0.63	0.04	-1.55e-05	-0.16	0.0	2.63	1.08	0.17	-8.85e-03	-0.03	0.23
		0.23	-0.03	4.49e-06	0.0	40.0	2.63	0.92	0.17	-8.85e-03	0.04	0.63
110	45	0.18	0.04	-2.27e-05	-0.13	0.0	1.61	0.34	0.13	-4.27e-03	-9.57e-03	0.06
		0.06	-9.57e-03	1.09e-06	0.0	40.0	1.61	0.22	0.13	-4.27e-03	0.04	0.18
110	68	0.54	-0.03	-1.06e-05	-0.13	0.0	0.80	0.90	-0.05	-7.13e-03	-0.03	0.20
		0.20	-0.05	6.03e-06	0.0	40.0	0.80	0.78	-0.05	-7.13e-03	-0.05	0.54
110	72	0.24	-0.03	-2.16e-05	-0.13	0.0	-0.16	0.41	-0.13	-4.66e-03	-0.03	0.10
		0.10	-0.08	4.66e-06	0.0	40.0	-0.16	0.28	-0.13	-4.66e-03	-0.08	0.24

110	75	0.47	-0.03	-1.38e-05	-0.13	0.0	0.33	0.76	-0.12	-6.51e-03	-0.03	0.19
		0.19	-0.08	6.05e-06	0.0	40.0	0.33	0.64	-0.12	-6.51e-03	-0.08	0.47
110	85	0.21	0.03	-2.16e-05	-0.13	0.0	1.29	0.39	0.10	-4.51e-03	-0.01	0.08
		0.08	-0.01	1.95e-06	0.0	40.0	1.29	0.26	0.10	-4.51e-03	0.03	0.21
110	88	0.43	0.02	-1.38e-05	-0.13	0.0	1.78	0.74	0.11	-6.37e-03	-0.02	0.16
		0.16	-0.02	3.33e-06	0.0	40.0	1.78	0.62	0.11	-6.37e-03	0.02	0.43
110	98	0.40	-9.56e-03	-1.43e-05	-0.13	0.0	0.97	0.73	0.04	-6.09e-03	-0.03	0.14
		0.14	-0.03	4.53e-06	0.0	40.0	0.97	0.60	0.04	-6.09e-03	-9.56e-03	0.40
110	102	0.22	-0.02	-2.15e-05	-0.13	0.0	0.39	0.40	-5.15e-03	-4.60e-03	-0.02	0.09
		0.09	-0.02	3.61e-06	0.0	40.0	0.39	0.27	-5.15e-03	-4.60e-03	-0.02	0.22
110	103	0.38	-0.02	-1.53e-05	-0.13	0.0	0.77	0.68	5.75e-03	-5.89e-03	-0.03	0.13
		0.13	-0.03	4.63e-06	0.0	40.0	0.77	0.56	5.75e-03	-5.89e-03	-0.02	0.38
110	104	0.22	-8.09e-04	-2.15e-05	-0.13	0.0	0.68	0.39	0.04	-4.57e-03	-0.02	0.08
		0.08	-0.02	3.07e-06	0.0	40.0	0.68	0.27	0.04	-4.57e-03	-8.09e-04	0.22
110	105	0.37	-2.48e-03	-1.53e-05	-0.13	0.0	1.06	0.68	0.05	-5.86e-03	-0.02	0.13
		0.13	-0.02	4.08e-06	0.0	40.0	1.06	0.55	0.05	-5.86e-03	-2.48e-03	0.37
110	106	0.22	-7.62e-03	-2.14e-05	-0.13	0.0	0.53	0.40	0.03	-4.58e-03	-0.02	0.08
		0.08	-0.02	3.35e-06	0.0	40.0	0.53	0.27	0.03	-4.58e-03	-7.62e-03	0.22
110	107	0.37	-9.29e-03	-1.53e-05	-0.13	0.0	0.91	0.68	0.04	-5.88e-03	-0.02	0.13
		0.13	-0.02	4.36e-06	0.0	40.0	0.91	0.55	0.04	-5.88e-03	-9.29e-03	0.37
110	108	7.86	-4.85e-03	-1.60e-04	-0.13	0.0	4.05	6.40	-0.01	1.74e-03	-0.02	5.33
		5.33	-0.02	1.33e-04	0.0	40.0	4.05	6.27	-0.01	1.74e-03	-4.85e-03	7.86
110	111	-5.07	-0.01	1.29e-04	-0.13	0.0	-2.24	-5.04	0.09	-0.01	-0.03	-5.07
		-7.11	-0.03	-1.24e-04	0.0	40.0	-2.24	-5.16	0.09	-0.01	-0.01	-7.11
110	125	-0.86	0.04	-1.47e-05	-0.13	0.0	4.54	-0.27	0.11	-3.64e-04	-4.96e-03	-0.86
		-0.99	-4.96e-03	4.76e-05	0.0	40.0	4.54	-0.40	0.11	-3.64e-04	0.04	-0.99
110	126	1.74	-0.04	-1.59e-05	-0.13	0.0	-2.73	1.63	-0.04	-0.01	-0.04	1.11
		1.11	-0.06	-3.89e-05	0.0	40.0	-2.73	1.50	-0.04	-0.01	-0.06	1.74
110	133	5.52	0.03	-1.11e-04	-0.13	0.0	6.88	4.70	0.08	-6.37e-03	-5.30e-03	3.67
		3.67	-5.30e-03	3.01e-05	0.0	40.0	6.88	4.58	0.08	-6.37e-03	0.03	5.52
110	134	-3.41	-0.04	8.04e-05	-0.13	0.0	-5.06	-3.34	-8.21e-03	-5.38e-03	-0.04	-3.41
		-4.77	-0.05	-2.14e-05	0.0	40.0	-5.06	-3.47	-8.21e-03	-5.38e-03	-0.05	-4.77
110	140	8.80	-4.26e-03	-1.78e-04	-0.13	0.0	4.45	7.11	-0.02	2.71e-03	-0.02	5.98
		5.98	-0.02	1.49e-04	0.0	40.0	4.45	6.98	-0.02	2.71e-03	-4.26e-03	8.80
110	143	-5.72	-0.01	1.47e-04	-0.13	0.0	-2.63	-5.75	0.10	-0.01	-0.03	-5.72
		-8.05	-0.03	-1.41e-04	0.0	40.0	-2.63	-5.88	0.10	-0.01	-0.01	-8.05
110	157	-0.97	0.05	-1.47e-05	-0.13	0.0	4.98	-0.39	0.12	3.47e-04	-2.58e-03	-0.97
		-1.15	-2.58e-03	5.34e-05	0.0	40.0	4.98	-0.51	0.12	3.47e-04	0.05	-1.15
110	158	1.90	-0.05	-1.59e-05	-0.13	0.0	-3.17	1.74	-0.05	-0.01	-0.05	1.23
		1.23	-0.07	-4.47e-05	0.0	40.0	-3.17	1.62	-0.05	-0.01	-0.07	1.90
110	165	6.16	0.04	-1.23e-04	-0.13	0.0	7.62	5.20	0.09	-6.44e-03	-2.98e-03	4.11
		4.11	-2.98e-03	3.33e-05	0.0	40.0	7.62	5.08	0.09	-6.44e-03	0.04	6.16
110	166	-3.85	-0.05	9.24e-05	-0.13	0.0	-5.81	-3.84	-0.01	-5.31e-03	-0.05	-3.85
		-5.41	-0.06	-2.46e-05	0.0	40.0	-5.81	-3.97	-0.01	-5.31e-03	-0.06	-5.41
110	172	8.39	-4.34e-03	-1.74e-04	-0.13	0.0	4.26	6.80	-0.02	2.70e-03	-0.02	5.69
		5.69	-0.02	1.48e-04	0.0	40.0	4.26	6.67	-0.02	2.70e-03	-4.34e-03	8.39
110	175	-5.44	-0.01	1.44e-04	-0.13	0.0	-2.45	-5.44	0.09	-0.01	-0.03	-5.44
		-7.64	-0.03	-1.39e-04	0.0	40.0	-2.45	-5.57	0.09	-0.01	-0.01	-7.64
110	189	-0.96	0.05	-1.39e-05	-0.13	0.0	4.72	-0.36	0.12	4.00e-04	-3.08e-03	-0.96
		-1.13	-3.08e-03	5.54e-05	0.0	40.0	4.72	-0.49	0.12	4.00e-04	0.05	-1.13
110	190	1.87	-0.05	-1.67e-05	-0.13	0.0	-2.90	1.72	-0.04	-0.01	-0.05	1.21
		1.21	-0.07	-4.67e-05	0.0	40.0	-2.90	1.59	-0.04	-0.01	-0.07	1.87
110	197	5.91	0.04	-1.22e-04	-0.13	0.0	7.46	5.02	0.09	-6.49e-03	-3.60e-03	3.93
		3.93	-3.60e-03	3.16e-05	0.0	40.0	7.46	4.89	0.09	-6.49e-03	0.04	5.91
110	198	-3.68	-0.04	9.10e-05	-0.13	0.0	-5.65	-3.66	-0.01	-5.26e-03	-0.04	-3.68
		-5.17	-0.06	-2.29e-05	0.0	40.0	-5.65	-3.78	-0.01	-5.26e-03	-0.06	-5.17
110	204	9.56	-3.50e-03	-2.00e-04	-0.13	0.0	4.74	7.69	-0.03	4.19e-03	-0.02	6.51
		6.51	-0.02	1.72e-04	0.0	40.0	4.74	7.57	-0.03	4.19e-03	-3.50e-03	9.56
110	207	-6.25	-0.02	1.69e-04	-0.13	0.0	-2.93	-6.34	0.10	-0.02	-0.03	-6.25
		-8.81	-0.03	-1.64e-04	0.0	40.0	-2.93	-6.46	0.10	-0.02	-0.02	-8.81
110	221	-1.13	0.06	-1.40e-05	-0.13	0.0	5.26	-0.53	0.13	1.56e-03	4.93e-04	-1.13
		-1.37	4.93e-04	6.58e-05	0.0	40.0	5.26	-0.66	0.13	1.56e-03	0.06	-1.37
110	222	2.12	-0.05	-1.66e-05	-0.13	0.0	-3.45	1.89	-0.06	-0.01	-0.05	1.39
		1.39	-0.08	-5.70e-05	0.0	40.0	-3.45	1.76	-0.06	-0.01	-0.08	2.12
110	229	6.74	0.04	-1.39e-04	-0.13	0.0	8.50	5.67	0.09	-6.65e-03	-2.66e-04	4.50
		4.50	-2.66e-04	3.56e-05	0.0	40.0	8.50	5.54	0.09	-6.65e-03	0.04	6.74
110	230	-4.25	-0.05	1.08e-04	-0.13	0.0	-6.69	-4.31	-0.02	-5.10e-03	-0.05	-4.25
		-5.99	-0.06	-2.69e-05	0.0	40.0	-6.69	-4.44	-0.02	-5.10e-03	-0.06	-5.99
111	4	0.83	0.01	2.21e-05	-0.24	0.0	2.93	0.20	0.15	-9.99e-03	-0.08	0.78
		0.78	-0.08	0.0	0.0	60.0	2.93	-0.04	0.15	-9.99e-03	0.01	0.83
111	18	0.77	0.03	8.23e-06	-0.24	0.0	2.03	0.27	0.25	-9.07e-03	-0.12	0.68
		0.68	-0.12	-7.19e-06	0.0	60.0	2.03	0.02	0.25	-9.07e-03	0.03	0.77
111	19	0.41	0.03	-2.74e-05	-0.19	0.0	-0.07	0.40	0.25	-4.49e-03	-0.11	0.23
		0.23	-0.11	-1.16e-05	0.0	60.0	-0.07	0.21	0.25	-4.49e-03	0.03	0.41
111	28	0.81	0.02	2.07e-05	-0.24	0.0	3.83	0.22	-0.06	-9.86e-03	0.02	0.75

		0.75	-0.02	1.27e-05	0.0	60.0	3.83	-0.02	-0.06	-9.86e-03	-0.02	0.81
111	45	0.38	0.04	-2.98e-05	-0.19	0.0	1.44	0.43	-0.12	-4.27e-03	0.04	0.18
		0.18	-0.03	9.46e-06	0.0	60.0	1.44	0.24	-0.12	-4.27e-03	-0.03	0.38
111	68	0.60	8.56e-03	9.38e-06	-0.19	0.0	1.97	0.20	0.10	-7.13e-03	-0.05	0.54
		0.54	-0.05	0.0	0.0	60.0	1.97	0.01	0.10	-7.13e-03	8.56e-03	0.60
111	72	0.42	0.02	-2.50e-05	-0.19	0.0	0.30	0.39	0.17	-4.66e-03	-0.08	0.24
		0.24	-0.08	-6.25e-06	0.0	60.0	0.30	0.20	0.17	-4.66e-03	0.02	0.42
111	75	0.56	0.02	-2.27e-06	-0.19	0.0	1.37	0.24	0.17	-6.51e-03	-0.08	0.47
		0.47	-0.08	-4.39e-06	0.0	60.0	1.37	0.05	0.17	-6.51e-03	0.02	0.56
111	80	0.58	9.71e-03	8.43e-06	-0.19	0.0	2.58	0.21	-0.04	-7.04e-03	9.71e-03	0.51
		0.51	-0.02	8.86e-06	0.0	60.0	2.58	0.02	-0.04	-7.04e-03	-0.02	0.58
111	85	0.40	0.03	-2.65e-05	-0.19	0.0	1.30	0.41	-0.08	-4.52e-03	0.03	0.21
		0.21	-0.02	7.81e-06	0.0	60.0	1.30	0.22	-0.08	-4.52e-03	-0.02	0.40
111	98	0.52	-6.11e-03	-4.26e-06	-0.19	0.0	1.73	0.29	5.75e-03	-6.09e-03	-9.56e-03	0.40
		0.40	-9.56e-03	5.68e-06	0.0	60.0	1.73	0.10	5.75e-03	-6.09e-03	-6.11e-03	0.52
111	102	0.41	3.32e-04	-2.56e-05	-0.19	0.0	0.69	0.40	0.04	-4.60e-03	-0.02	0.22
		0.22	-0.02	2.02e-06	0.0	60.0	0.69	0.21	0.04	-4.60e-03	3.32e-04	0.41
111	103	0.50	-7.82e-04	-6.62e-06	-0.19	0.0	1.50	0.30	0.04	-5.89e-03	-0.02	0.38
		0.38	-0.02	3.39e-06	0.0	60.0	1.50	0.11	0.04	-5.89e-03	-7.82e-04	0.50
111	104	0.40	-8.09e-04	-2.59e-05	-0.19	0.0	0.89	0.40	-0.01	-4.57e-03	-8.09e-04	0.22
		0.22	-7.62e-03	4.83e-06	0.0	60.0	0.89	0.22	-0.01	-4.57e-03	-7.62e-03	0.40
111	106	0.40	-4.82e-03	-2.57e-05	-0.19	0.0	0.78	0.40	4.67e-03	-4.58e-03	-7.62e-03	0.22
		0.22	-7.62e-03	4.08e-06	0.0	60.0	0.78	0.22	4.67e-03	-4.58e-03	-4.82e-03	0.40
111	107	0.50	-5.93e-03	-6.75e-06	-0.19	0.0	1.59	0.30	5.60e-03	-5.88e-03	-9.29e-03	0.37
		0.37	-9.29e-03	5.45e-06	0.0	60.0	1.59	0.11	5.60e-03	-5.88e-03	-5.93e-03	0.50
111	108	7.86	-4.85e-03	5.55e-05	-0.19	0.0	12.28	-5.84	-5.03e-03	1.72e-03	-4.85e-03	7.86
		4.30	-8.37e-03	1.99e-04	0.0	60.0	12.28	-6.03	-5.03e-03	1.72e-03	-8.37e-03	4.30
111	111	-3.30	-3.48e-03	-6.88e-05	-0.19	0.0	-9.09	6.45	0.02	-0.01	-0.01	-7.11
		-7.11	-0.01	-1.88e-04	0.0	60.0	-9.09	6.26	0.02	-0.01	-3.48e-03	-3.30
111	113	7.83	0.02	5.22e-05	-0.19	0.0	15.96	-5.80	-0.07	1.70e-03	0.02	7.83
		4.29	-0.02	2.00e-04	0.0	60.0	15.96	-5.99	-0.07	1.70e-03	-0.02	4.29
111	114	-3.29	9.16e-03	-6.55e-05	-0.19	0.0	-12.77	6.41	0.08	-0.01	-0.04	-7.08
		-7.08	-0.04	-1.89e-04	0.0	60.0	-12.77	6.22	0.08	-0.01	9.16e-03	-3.29
111	125	-0.18	0.04	-4.61e-05	-0.19	0.0	10.18	1.45	-0.13	-3.70e-04	0.04	-0.99
		-0.99	-0.03	7.99e-05	0.0	60.0	10.18	1.26	-0.13	-3.70e-04	-0.03	-0.18
111	126	1.74	0.02	3.29e-05	-0.19	0.0	-7.00	-0.84	0.14	-0.01	-0.06	1.74
		1.18	-0.06	-6.90e-05	0.0	60.0	-7.00	-1.03	0.14	-0.01	0.02	1.18
111	140	8.80	-4.26e-03	6.32e-05	-0.19	0.0	13.62	-6.61	-6.45e-03	2.68e-03	-4.26e-03	8.80
		4.77	-8.70e-03	2.23e-04	0.0	60.0	13.62	-6.80	-6.45e-03	2.68e-03	-8.70e-03	4.77
111	143	-3.78	-3.15e-03	-7.65e-05	-0.19	0.0	-10.43	7.22	0.02	-0.01	-0.01	-8.05
		-8.05	-0.01	-2.12e-04	0.0	60.0	-10.43	7.03	0.02	-0.01	-3.15e-03	-3.78
111	145	8.76	0.02	5.95e-05	-0.19	0.0	17.75	-6.57	-0.08	2.66e-03	0.02	8.76
		4.76	-0.02	2.24e-04	0.0	60.0	17.75	-6.75	-0.08	2.66e-03	-0.02	4.76
111	146	-3.76	0.01	-7.28e-05	-0.19	0.0	-14.57	7.17	0.09	-0.01	-0.04	-8.01
		-8.01	-0.04	-2.13e-04	0.0	60.0	-14.57	6.98	0.09	-0.01	0.01	-3.76
111	157	-0.26	0.05	-5.12e-05	-0.19	0.0	11.24	1.58	-0.14	3.40e-04	0.05	-1.15
		-1.15	-0.03	8.98e-05	0.0	60.0	11.24	1.40	-0.14	3.40e-04	-0.03	-0.26
111	158	1.90	0.02	3.79e-05	-0.19	0.0	-8.06	-0.98	0.15	-0.01	-0.07	1.90
		1.26	-0.07	-7.89e-05	0.0	60.0	-8.06	-1.17	0.15	-0.01	0.02	1.26
111	172	8.39	-4.34e-03	5.85e-05	-0.19	0.0	13.03	-6.27	-6.78e-03	2.67e-03	-4.34e-03	8.39
		4.57	-8.90e-03	2.21e-04	0.0	60.0	13.03	-6.46	-6.78e-03	2.67e-03	-8.90e-03	4.57
111	175	-3.57	-2.95e-03	-7.18e-05	-0.19	0.0	-9.84	6.88	0.02	-0.01	-0.01	-7.64
		-7.64	-0.01	-2.10e-04	0.0	60.0	-9.84	6.69	0.02	-0.01	-2.95e-03	-3.57
111	177	8.35	0.02	5.46e-05	-0.19	0.0	17.00	-6.23	-0.08	2.65e-03	0.02	8.35
		4.56	-0.02	2.22e-04	0.0	60.0	17.00	-6.42	-0.08	2.65e-03	-0.02	4.56
111	178	-3.56	0.01	-6.78e-05	-0.19	0.0	-13.81	6.84	0.09	-0.01	-0.04	-7.60
		-7.60	-0.04	-2.12e-04	0.0	60.0	-13.81	6.65	0.09	-0.01	0.01	-3.56
111	189	-0.25	0.05	-5.39e-05	-0.19	0.0	10.70	1.56	-0.14	3.91e-04	0.05	-1.13
		-1.13	-0.03	9.27e-05	0.0	60.0	10.70	1.37	-0.14	3.91e-04	-0.03	-0.25
111	190	1.87	0.02	4.07e-05	-0.19	0.0	-7.51	-0.96	0.15	-0.01	-0.07	1.87
		1.24	-0.07	-8.17e-05	0.0	60.0	-7.51	-1.14	0.15	-0.01	0.02	1.24
111	204	9.56	-3.50e-03	6.70e-05	-0.19	0.0	14.69	-7.23	-9.13e-03	4.16e-03	-3.50e-03	9.56
		5.16	-9.53e-03	2.58e-04	0.0	60.0	14.69	-7.42	-9.13e-03	4.16e-03	-9.53e-03	5.16
111	207	-4.16	-2.33e-03	-8.03e-05	-0.19	0.0	-11.50	7.84	0.02	-0.02	-0.02	-8.81
		-8.81	-0.02	-2.47e-04	0.0	60.0	-11.50	7.65	0.02	-0.02	-2.33e-03	-4.16
111	209	9.52	0.03	6.23e-05	-0.19	0.0	19.26	-7.18	-0.09	4.13e-03	0.03	9.52
		5.15	-0.03	2.60e-04	0.0	60.0	19.26	-7.37	-0.09	4.13e-03	-0.03	5.15
111	210	-4.15	0.01	-7.56e-05	-0.19	0.0	-16.07	7.79	0.10	-0.02	-0.05	-8.77
		-8.77	-0.05	-2.49e-04	0.0	60.0	-16.07	7.60	0.10	-0.02	0.01	-4.15
111	221	-0.37	0.06	-6.32e-05	-0.19	0.0	12.01	1.77	-0.16	1.55e-03	0.06	-1.37
		-1.37	-0.04	1.10e-04	0.0	60.0	12.01	1.58	-0.16	1.55e-03	-0.04	-0.37
111	222	2.12	0.03	4.99e-05	-0.19	0.0	-8.82	-1.16	0.18	-0.01	-0.08	2.12
		1.37	-0.08	-9.91e-05	0.0	60.0	-8.82	-1.35	0.18	-0.01	0.03	1.37
112	8	0.60	-0.02	2.92e-05	-0.09	0.0	1.96	1.35	0.21	-8.18e-03	-0.08	0.21
		0.21	-0.08	2.43e-06	0.0	30.0	1.96	1.26	0.21	-8.18e-03	-0.02	0.60

112	15	0.93	-0.04	1.68e-05	-0.12	0.0	1.98	0.97	0.33	-6.28e-03	-0.14	0.66
		0.66	-0.14	1.97e-06	0.0	30.0	1.98	0.85	0.33	-6.28e-03	-0.04	0.93
112	18	0.84	-0.04	3.00e-05	-0.12	0.0	2.24	1.46	0.33	-9.06e-03	-0.14	0.42
		0.42	-0.14	2.82e-06	0.0	30.0	2.24	1.34	0.33	-9.06e-03	-0.04	0.84
112	19	0.73	-0.04	1.13e-05	-0.09	0.0	1.30	0.69	0.32	-4.48e-03	-0.14	0.54
		0.54	-0.14	1.60e-06	0.0	30.0	1.30	0.59	0.32	-4.48e-03	-0.04	0.73
112	44	0.83	0.06	2.88e-05	-0.12	0.0	3.82	1.41	-0.13	-8.84e-03	0.06	0.43
		0.43	0.02	0.0	0.0	30.0	3.82	1.28	-0.13	-8.84e-03	0.02	0.83
112	45	0.72	0.06	1.01e-05	-0.09	0.0	2.89	0.63	-0.14	-4.27e-03	0.06	0.55
		0.55	0.02	-1.27e-06	0.0	30.0	2.89	0.54	-0.14	-4.27e-03	0.02	0.72
112	68	0.63	-0.01	2.40e-05	-0.09	0.0	2.04	1.15	0.14	-7.13e-03	-0.06	0.30
		0.30	-0.06	1.94e-06	0.0	30.0	2.04	1.06	0.14	-7.13e-03	-0.01	0.63
112	72	0.72	-0.03	1.21e-05	-0.09	0.0	1.59	0.71	0.22	-4.66e-03	-0.09	0.52
		0.52	-0.09	1.38e-06	0.0	30.0	1.59	0.62	0.22	-4.66e-03	-0.03	0.72
112	75	0.66	-0.03	2.09e-05	-0.09	0.0	1.76	1.04	0.22	-6.51e-03	-0.09	0.36
		0.36	-0.09	1.95e-06	0.0	30.0	1.76	0.95	0.22	-6.51e-03	-0.03	0.66
112	85	0.72	0.04	1.13e-05	-0.09	0.0	2.65	0.68	-0.09	-4.51e-03	0.04	0.53
		0.53	0.02	0.0	0.0	30.0	2.65	0.58	-0.09	-4.51e-03	0.02	0.72
112	88	0.66	0.04	2.01e-05	-0.09	0.0	2.82	1.00	-0.08	-6.36e-03	0.04	0.37
		0.37	0.02	0.0	0.0	30.0	2.82	0.91	-0.08	-6.36e-03	0.02	0.66
112	98	0.66	2.16e-03	1.94e-05	-0.09	0.0	2.27	0.97	0.02	-6.09e-03	-2.69e-03	0.38
		0.38	-2.69e-03	1.31e-06	0.0	30.0	2.27	0.88	0.02	-6.09e-03	2.16e-03	0.66
112	102	0.72	-4.04e-03	1.18e-05	-0.09	0.0	2.03	0.69	0.05	-4.59e-03	-0.02	0.53
		0.53	-0.02	0.0	0.0	30.0	2.03	0.60	0.05	-4.59e-03	-4.04e-03	0.72
112	103	0.67	-3.60e-03	1.84e-05	-0.09	0.0	2.14	0.94	0.06	-5.89e-03	-0.02	0.40
		0.40	-0.02	1.35e-06	0.0	30.0	2.14	0.84	0.06	-5.89e-03	-3.60e-03	0.67
112	104	0.72	6.68e-03	1.17e-05	-0.09	0.0	2.24	0.69	-7.19e-03	-4.57e-03	6.68e-03	0.53
		0.53	4.52e-03	0.0	0.0	30.0	2.24	0.59	-7.19e-03	-4.57e-03	4.52e-03	0.72
112	105	0.67	6.25e-03	1.82e-05	-0.09	0.0	2.35	0.93	-4.27e-03	-5.86e-03	6.25e-03	0.40
		0.40	4.97e-03	0.0	0.0	30.0	2.35	0.83	-4.27e-03	-5.86e-03	4.97e-03	0.67
112	106	0.72	1.64e-03	1.17e-05	-0.09	0.0	2.13	0.69	0.01	-4.58e-03	-2.18e-03	0.53
		0.53	-2.18e-03	0.0	0.0	30.0	2.13	0.59	0.01	-4.58e-03	1.64e-03	0.72
112	107	0.67	2.08e-03	1.83e-05	-0.09	0.0	2.25	0.93	0.02	-5.87e-03	-2.61e-03	0.40
		0.40	-2.61e-03	1.24e-06	0.0	30.0	2.25	0.84	0.02	-5.87e-03	2.08e-03	0.67
112	108	-0.43	8.00e-03	-4.99e-06	-0.09	0.0	0.40	10.74	0.07	1.74e-03	3.57e-03	-3.63
		-3.63	3.57e-03	9.71e-05	0.0	30.0	0.40	10.65	0.07	1.74e-03	8.00e-03	-0.43
112	111	4.44	-3.83e-03	4.16e-05	-0.09	0.0	4.10	-8.88	-0.04	-0.01	-8.79e-03	4.44
		1.77	-8.79e-03	-9.46e-05	0.0	30.0	4.10	-8.98	-0.04	-0.01	-3.83e-03	1.77
112	124	-0.14	-0.02	-1.16e-06	-0.09	0.0	0.09	7.78	0.12	-6.28e-03	-0.05	-2.45
		-2.45	-0.05	2.47e-05	0.0	30.0	0.09	7.69	0.12	-6.28e-03	-0.02	-0.14
112	125	1.17	0.06	2.63e-05	-0.09	0.0	3.62	-0.81	-0.07	-3.63e-04	0.06	1.17
		0.91	0.03	3.64e-05	0.0	30.0	3.62	-0.90	-0.07	-3.63e-04	0.03	0.91
112	126	0.43	-0.03	1.04e-05	-0.09	0.0	0.88	2.67	0.10	-0.01	-0.06	-0.36
		-0.36	-0.06	-3.39e-05	0.0	30.0	0.88	2.57	0.10	-0.01	-0.03	0.43
112	127	3.26	0.04	3.78e-05	-0.09	0.0	4.41	-5.92	-0.09	-5.46e-03	0.04	3.26
		1.48	0.02	-2.22e-05	0.0	30.0	4.41	-6.01	-0.09	-5.46e-03	0.02	1.48
112	140	-0.56	8.76e-03	-8.06e-06	-0.09	0.0	0.17	11.97	0.08	2.70e-03	4.37e-03	-4.14
		-4.14	4.37e-03	1.09e-04	0.0	30.0	0.17	11.87	0.08	2.70e-03	8.76e-03	-0.56
112	143	4.95	-4.59e-03	4.47e-05	-0.09	0.0	4.33	-10.11	-0.05	-0.01	-9.60e-03	4.95
		1.90	-9.60e-03	-1.07e-04	0.0	30.0	4.33	-10.20	-0.05	-0.01	-4.59e-03	1.90
112	156	-0.24	-0.02	-3.57e-06	-0.09	0.0	-0.18	8.63	0.13	-6.35e-03	-0.05	-2.81
		-2.81	-0.05	2.74e-05	0.0	30.0	-0.18	8.54	0.13	-6.35e-03	-0.02	-0.24
112	157	1.26	0.06	2.71e-05	-0.09	0.0	3.79	-1.01	-0.08	3.48e-04	0.06	1.26
		0.94	0.03	4.10e-05	0.0	30.0	3.79	-1.11	-0.08	3.48e-04	0.03	0.94
112	158	0.40	-0.03	9.49e-06	-0.09	0.0	0.71	2.88	0.11	-0.01	-0.07	-0.45
		-0.45	-0.07	-3.85e-05	0.0	30.0	0.71	2.78	0.11	-0.01	-0.03	0.40
112	159	3.62	0.05	4.02e-05	-0.09	0.0	4.68	-6.77	-0.10	-5.40e-03	0.05	3.62
		1.58	0.03	-2.50e-05	0.0	30.0	4.68	-6.86	-0.10	-5.40e-03	0.03	1.58
112	172	-0.50	8.78e-03	-1.21e-05	-0.09	0.0	0.25	11.44	0.08	2.69e-03	4.19e-03	-3.91
		-3.91	4.19e-03	1.08e-04	0.0	30.0	0.25	11.34	0.08	2.69e-03	8.78e-03	-0.50
112	175	4.72	-4.62e-03	4.87e-05	-0.09	0.0	4.25	-9.58	-0.05	-0.01	-9.41e-03	4.72
		1.84	-9.41e-03	-1.06e-04	0.0	30.0	4.25	-9.67	-0.05	-0.01	-4.62e-03	1.84
112	188	-0.20	-0.02	-4.19e-06	-0.09	0.0	-0.13	8.31	0.13	-6.40e-03	-0.05	-2.67
		-2.67	-0.05	2.56e-05	0.0	30.0	-0.13	8.21	0.13	-6.40e-03	-0.02	-0.20
112	189	1.24	0.06	2.52e-05	-0.09	0.0	3.78	-0.98	-0.08	4.01e-04	0.06	1.24
		0.94	0.03	4.25e-05	0.0	30.0	3.78	-1.07	-0.08	4.01e-04	0.03	0.94
112	190	0.40	-0.03	1.14e-05	-0.09	0.0	0.72	2.84	0.11	-0.01	-0.07	-0.43
		-0.43	-0.07	-4.00e-05	0.0	30.0	0.72	2.75	0.11	-0.01	-0.03	0.40
112	191	3.48	0.05	4.08e-05	-0.09	0.0	4.63	-6.45	-0.10	-5.35e-03	0.05	3.48
		1.54	0.02	-2.32e-05	0.0	30.0	4.63	-6.54	-0.10	-5.35e-03	0.02	1.54
112	204	-0.66	9.97e-03	-1.97e-05	-0.09	0.0	-0.06	12.97	0.09	4.19e-03	5.29e-03	-4.54
		-4.54	5.29e-03	1.26e-04	0.0	30.0	-0.06	12.88	0.09	4.19e-03	9.97e-03	-0.66
112	207	5.35	-5.80e-03	5.63e-05	-0.09	0.0	4.56	-11.11	-0.06	-0.02	-0.01	5.35
		2.00	-0.01	-1.24e-04	0.0	30.0	4.56	-11.21	-0.06	-0.02	-5.80e-03	2.00
112	220	-0.33	-0.02	-8.30e-06	-0.09	0.0	-0.51	9.41	0.15	-6.54e-03	-0.06	-3.13

		-3.13	-0.06	2.87e-05	0.0	30.0	-0.51	9.32	0.15	-6.54e-03	-0.02	-0.33
112	221	1.38	0.07	2.52e-05	-0.09	0.0	4.03	-1.29	-0.09	1.56e-03	0.07	1.38
		0.98	0.04	5.09e-05	0.0	30.0	4.03	-1.38	-0.09	1.56e-03	0.04	0.98
112	222	0.36	-0.03	1.15e-05	-0.09	0.0	0.47	3.15	0.12	-0.01	-0.08	-0.57
		-0.57	-0.08	-4.84e-05	0.0	30.0	0.47	3.06	0.12	-0.01	-0.03	0.36
112	223	3.94	0.06	4.49e-05	-0.09	0.0	5.01	-7.55	-0.12	-5.21e-03	0.06	3.94
		1.66	0.03	-2.62e-05	0.0	30.0	5.01	-7.65	-0.12	-5.21e-03	0.03	1.66
113	4	1.28	-0.02	4.04e-05	-0.12	0.0	2.92	1.66	-0.23	-9.99e-03	-0.02	0.80
		0.80	-0.09	4.58e-06	0.0	30.0	2.92	1.54	-0.23	-9.99e-03	-0.09	1.28
113	18	1.27	-0.04	3.60e-05	-0.12	0.0	2.50	1.49	-0.36	-9.06e-03	-0.04	0.84
		0.84	-0.15	5.36e-06	0.0	30.0	2.50	1.36	-0.36	-9.06e-03	-0.15	1.27
113	19	0.92	-0.04	1.69e-05	-0.09	0.0	1.46	0.67	-0.34	-4.48e-03	-0.04	0.73
		0.73	-0.14	3.89e-06	0.0	30.0	1.46	0.58	-0.34	-4.48e-03	-0.14	0.92
113	32	0.98	0.04	3.28e-05	-0.09	0.0	3.07	1.33	0.06	-8.05e-03	0.02	0.60
		0.60	0.02	0.0	0.0	30.0	3.07	1.24	0.06	-8.05e-03	0.04	0.98
113	44	1.23	0.06	3.51e-05	-0.12	0.0	3.97	1.39	0.12	-8.84e-03	0.02	0.83
		0.83	0.02	0.0	0.0	30.0	3.97	1.27	0.12	-8.84e-03	0.06	1.23
113	45	0.88	0.07	1.60e-05	-0.09	0.0	2.93	0.58	0.14	-4.27e-03	0.02	0.72
		0.72	0.02	-1.96e-06	0.0	30.0	2.93	0.48	0.14	-4.27e-03	0.07	0.88
113	68	0.97	-0.01	2.86e-05	-0.09	0.0	2.23	1.17	-0.16	-7.13e-03	-0.01	0.63
		0.63	-0.06	3.15e-06	0.0	30.0	2.23	1.07	-0.16	-7.13e-03	-0.06	0.97
113	72	0.91	-0.03	1.77e-05	-0.09	0.0	1.74	0.69	-0.23	-4.66e-03	-0.03	0.72
		0.72	-0.10	3.01e-06	0.0	30.0	1.74	0.60	-0.23	-4.66e-03	-0.10	0.91
113	75	0.96	-0.03	2.57e-05	-0.09	0.0	1.95	1.05	-0.24	-6.51e-03	-0.03	0.66
		0.66	-0.10	3.67e-06	0.0	30.0	1.95	0.96	-0.24	-6.51e-03	-0.10	0.96
113	80	0.96	0.02	2.83e-05	-0.09	0.0	2.81	1.13	0.04	-7.04e-03	0.01	0.63
		0.63	0.01	0.0	0.0	30.0	2.81	1.04	0.04	-7.04e-03	0.02	0.96
113	85	0.89	0.04	1.71e-05	-0.09	0.0	2.72	0.63	0.09	-4.51e-03	0.02	0.72
		0.72	0.02	0.0	0.0	30.0	2.72	0.53	0.09	-4.51e-03	0.04	0.89
113	88	0.94	0.04	2.51e-05	-0.09	0.0	2.93	0.99	0.08	-6.36e-03	0.02	0.66
		0.66	0.02	0.0	0.0	30.0	2.93	0.89	0.08	-6.36e-03	0.04	0.94
113	98	0.94	2.16e-03	2.44e-05	-0.09	0.0	2.41	0.96	-0.02	-6.09e-03	2.16e-03	0.66
		0.66	-5.24e-03	1.67e-06	0.0	30.0	2.41	0.87	-0.02	-6.09e-03	-5.24e-03	0.94
113	102	0.90	-4.04e-03	1.75e-05	-0.09	0.0	2.14	0.66	-0.06	-4.59e-03	-4.04e-03	0.72
		0.72	-0.02	1.48e-06	0.0	30.0	2.14	0.56	-0.06	-4.59e-03	-0.02	0.90
113	103	0.93	-3.60e-03	2.35e-05	-0.09	0.0	2.29	0.92	-0.07	-5.89e-03	-3.60e-03	0.67
		0.67	-0.02	1.97e-06	0.0	30.0	2.29	0.83	-0.07	-5.89e-03	-0.02	0.93
113	104	0.90	5.17e-03	1.74e-05	-0.09	0.0	2.34	0.65	2.16e-03	-4.57e-03	4.52e-03	0.72
		0.72	4.52e-03	0.0	0.0	30.0	2.34	0.55	2.16e-03	-4.57e-03	5.17e-03	0.90
113	105	0.93	4.97e-03	2.33e-05	-0.09	0.0	2.48	0.91	-2.59e-03	-5.86e-03	4.97e-03	0.67
		0.67	4.19e-03	1.19e-06	0.0	30.0	2.48	0.82	-2.59e-03	-5.86e-03	4.19e-03	0.93
113	106	0.90	1.64e-03	1.74e-05	-0.09	0.0	2.24	0.65	-0.02	-4.58e-03	1.64e-03	0.72
		0.72	-4.09e-03	1.10e-06	0.0	30.0	2.24	0.56	-0.02	-4.58e-03	-4.09e-03	0.90
113	107	0.93	2.08e-03	2.34e-05	-0.09	0.0	2.39	0.92	-0.02	-5.87e-03	2.08e-03	0.67
		0.67	-5.07e-03	1.59e-06	0.0	30.0	2.39	0.82	-0.02	-5.87e-03	-5.07e-03	0.93
113	113	2.97	0.02	-5.91e-06	-0.09	0.0	1.75	11.30	-0.06	1.72e-03	0.02	-0.41
		-0.41	-0.02	9.73e-05	0.0	30.0	1.75	11.20	-0.06	1.72e-03	-0.02	2.97
113	114	1.75	0.01	5.27e-05	-0.09	0.0	3.03	-9.46	0.01	-0.01	-0.02	1.75
		-1.11	-0.02	-9.41e-05	0.0	30.0	3.03	-9.56	0.01	-0.01	0.01	-1.11
113	124	2.32	-0.02	-2.52e-06	-0.09	0.0	0.81	8.20	-0.18	-6.28e-03	-0.02	-0.14
		-0.14	-0.08	2.51e-05	0.0	30.0	0.81	8.11	-0.18	-6.28e-03	-0.08	2.32
113	127	1.48	0.07	4.89e-05	-0.09	0.0	3.97	-6.37	0.13	-5.46e-03	0.02	1.48
		-0.46	0.02	-2.19e-05	0.0	30.0	3.97	-6.46	0.13	-5.46e-03	0.07	-0.46
113	145	3.23	0.02	-9.73e-06	-0.09	0.0	1.67	12.59	-0.06	2.68e-03	0.02	-0.54
		-0.54	-0.02	1.09e-04	0.0	30.0	1.67	12.50	-0.06	2.68e-03	-0.02	3.23
113	146	1.88	0.01	5.66e-05	-0.09	0.0	3.11	-10.76	0.02	-0.01	-0.02	1.88
		-1.37	-0.02	-1.06e-04	0.0	30.0	3.11	-10.85	0.02	-0.01	0.01	-1.37
113	156	2.49	-0.02	-5.25e-06	-0.09	0.0	0.61	9.10	-0.20	-6.35e-03	-0.02	-0.24
		-0.24	-0.09	2.79e-05	0.0	30.0	0.61	9.01	-0.20	-6.35e-03	-0.09	2.49
113	159	1.58	0.08	5.21e-05	-0.09	0.0	4.17	-7.27	0.15	-5.40e-03	0.03	1.58
		-0.63	0.03	-2.47e-05	0.0	30.0	4.17	-7.37	0.15	-5.40e-03	0.08	-0.63
113	177	3.13	0.02	-1.46e-05	-0.09	0.0	1.70	12.03	-0.06	2.67e-03	0.02	-0.47
		-0.47	-0.02	1.09e-04	0.0	30.0	1.70	11.93	-0.06	2.67e-03	-0.02	3.13
113	178	1.81	0.01	6.14e-05	-0.09	0.0	3.08	-10.19	0.01	-0.01	-0.02	1.81
		-1.26	-0.02	-1.06e-04	0.0	30.0	3.08	-10.29	0.01	-0.01	0.01	-1.26
113	188	2.43	-0.02	-5.94e-06	-0.09	0.0	0.65	8.76	-0.19	-6.40e-03	-0.02	-0.20
		-0.20	-0.09	2.61e-05	0.0	30.0	0.65	8.67	-0.19	-6.40e-03	-0.09	2.43
113	191	1.54	0.08	5.28e-05	-0.09	0.0	4.13	-6.93	0.14	-5.35e-03	0.02	1.54
		-0.56	0.02	-2.29e-05	0.0	30.0	4.13	-7.02	0.14	-5.35e-03	0.08	-0.56
113	209	3.45	0.03	-2.39e-05	-0.09	0.0	1.59	13.65	-0.07	4.16e-03	0.03	-0.64
		-0.64	-0.03	1.27e-04	0.0	30.0	1.59	13.56	-0.07	4.16e-03	-0.03	3.45
113	210	1.98	0.02	7.07e-05	-0.09	0.0	3.18	-11.82	0.02	-0.02	-0.02	1.98
		-1.59	-0.02	-1.24e-04	0.0	30.0	3.18	-11.91	0.02	-0.02	0.02	-1.59
113	220	2.65	-0.02	-1.13e-05	-0.09	0.0	0.37	9.94	-0.22	-6.54e-03	-0.02	-0.33
		-0.33	-0.10	2.91e-05	0.0	30.0	0.37	9.84	-0.22	-6.54e-03	-0.10	2.65

113	223	1.66	0.09	5.81e-05	-0.09	0.0	4.41	-8.10	0.17	-5.21e-03	0.03	1.66
		-0.79	0.03	-2.60e-05	0.0	30.0	4.41	-8.20	0.17	-5.21e-03	0.09	-0.79
114	4	1.28	0.04	1.47e-04	-0.24	0.0	5.35	-0.64	0.22	-1.00e-02	-0.09	1.28
		0.82	-0.09	-6.30e-06	0.0	60.0	5.35	-0.88	0.22	-1.00e-02	0.04	0.82
114	18	1.27	0.08	1.34e-04	-0.24	0.0	4.94	-0.59	0.37	-9.07e-03	-0.15	1.27
		0.84	-0.15	-1.38e-05	0.0	60.0	4.94	-0.83	0.37	-9.07e-03	0.08	0.84
114	19	0.92	0.08	7.06e-05	-0.19	0.0	3.02	-0.33	0.37	-4.49e-03	-0.14	0.92
		0.66	-0.14	-1.60e-05	0.0	60.0	3.02	-0.52	0.37	-4.49e-03	0.08	0.66
114	28	1.26	0.03	1.45e-04	-0.24	0.0	5.73	-0.64	-0.11	-9.87e-03	0.03	1.26
		0.80	-0.03	7.38e-06	0.0	60.0	5.73	-0.89	-0.11	-9.87e-03	-0.03	0.80
114	31	0.96	0.04	1.12e-04	-0.19	0.0	4.45	-0.50	-0.11	-7.55e-03	0.04	0.96
		0.61	-0.03	6.51e-06	0.0	60.0	4.45	-0.69	-0.11	-7.55e-03	-0.03	0.61
114	68	0.97	0.03	1.06e-04	-0.19	0.0	3.98	-0.47	0.15	-7.13e-03	-0.06	0.97
		0.64	-0.06	-4.09e-06	0.0	60.0	3.98	-0.65	0.15	-7.13e-03	0.03	0.64
114	72	0.91	0.05	7.27e-05	-0.19	0.0	3.19	-0.34	0.25	-4.67e-03	-0.10	0.91
		0.65	-0.10	-1.02e-05	0.0	60.0	3.19	-0.53	0.25	-4.67e-03	0.05	0.65
114	75	0.96	0.05	9.72e-05	-0.19	0.0	3.71	-0.43	0.25	-6.52e-03	-0.10	0.96
		0.65	-0.10	-9.09e-06	0.0	60.0	3.71	-0.62	0.25	-6.52e-03	0.05	0.65
114	79	0.95	0.02	1.01e-04	-0.19	0.0	4.15	-0.45	-0.08	-6.70e-03	0.02	0.95
		0.62	-0.02	4.88e-06	0.0	60.0	4.15	-0.64	-0.08	-6.70e-03	-0.02	0.62
114	80	0.96	0.02	1.04e-04	-0.19	0.0	4.23	-0.47	-0.08	-7.05e-03	0.02	0.96
		0.62	-0.02	5.03e-06	0.0	60.0	4.23	-0.65	-0.08	-7.05e-03	-0.02	0.62
114	98	0.94	-5.24e-03	9.23e-05	-0.19	0.0	3.84	-0.42	-6.16e-04	-6.10e-03	-5.24e-03	0.94
		0.63	-5.61e-03	2.29e-06	0.0	60.0	3.84	-0.61	-6.16e-04	-6.10e-03	-5.61e-03	0.63
114	102	0.90	7.05e-03	7.16e-05	-0.19	0.0	3.37	-0.34	0.05	-4.60e-03	-0.02	0.90
		0.64	-0.02	0.0	0.0	60.0	3.37	-0.53	0.05	-4.60e-03	7.05e-03	0.64
114	103	0.93	5.96e-03	8.96e-05	-0.19	0.0	3.74	-0.41	0.05	-5.90e-03	-0.02	0.93
		0.63	-0.02	0.0	0.0	60.0	3.74	-0.60	0.05	-5.90e-03	5.96e-03	0.63
114	105	0.93	4.19e-03	8.91e-05	-0.19	0.0	3.82	-0.41	-0.03	-5.87e-03	4.19e-03	0.93
		0.63	-0.01	2.89e-06	0.0	60.0	3.82	-0.60	-0.03	-5.87e-03	-0.01	0.63
114	106	0.90	-4.09e-03	7.13e-05	-0.19	0.0	3.42	-0.34	-4.10e-04	-4.59e-03	-4.09e-03	0.90
		0.64	-4.34e-03	1.39e-06	0.0	60.0	3.42	-0.53	-4.10e-04	-4.59e-03	-4.34e-03	0.64
114	107	0.93	-5.07e-03	8.93e-05	-0.19	0.0	3.78	-0.41	-5.87e-04	-5.88e-03	-5.07e-03	0.93
		0.63	-5.43e-03	2.16e-06	0.0	60.0	3.78	-0.60	-5.87e-04	-5.88e-03	-5.43e-03	0.63
114	113	2.97	-0.02	5.09e-05	-0.19	0.0	11.82	-3.03	-0.10	1.70e-03	-0.02	2.97
		0.98	-0.03	2.00e-04	0.0	60.0	11.82	-3.22	-0.10	1.70e-03	-0.03	0.98
114	114	0.28	0.01	1.28e-04	-0.19	0.0	-4.26	2.22	0.10	-0.01	0.01	-1.11
		-1.11	0.01	-1.96e-04	0.0	60.0	-4.26	2.03	0.10	-0.01	0.01	0.28
114	124	2.32	9.04e-03	1.24e-04	-0.19	0.0	9.27	-2.20	0.12	-6.29e-03	-0.08	2.32
		0.95	-0.08	3.95e-05	0.0	60.0	9.27	-2.38	0.12	-6.29e-03	9.04e-03	0.95
114	127	0.31	0.07	5.50e-05	-0.19	0.0	-1.70	1.38	-0.12	-5.47e-03	0.07	-0.46
		-0.46	-0.02	-3.52e-05	0.0	60.0	-1.70	1.19	-0.12	-5.47e-03	-0.02	0.31
114	145	3.23	-0.02	4.63e-05	-0.19	0.0	12.83	-3.36	-0.11	2.66e-03	-0.02	3.23
		1.02	-0.03	2.25e-04	0.0	60.0	12.83	-3.55	-0.11	2.66e-03	-0.03	1.02
114	146	0.24	0.02	1.32e-04	-0.19	0.0	-5.26	2.55	0.11	-0.01	0.01	-1.37
		-1.37	0.01	-2.21e-04	0.0	60.0	-5.26	2.36	0.11	-0.01	0.02	0.24
114	156	2.49	0.01	1.28e-04	-0.19	0.0	9.95	-2.42	0.13	-6.36e-03	-0.09	2.49
		0.99	-0.09	4.38e-05	0.0	60.0	9.95	-2.61	0.13	-6.36e-03	0.01	0.99
114	159	0.27	0.08	5.06e-05	-0.19	0.0	-2.38	1.60	-0.13	-5.41e-03	0.08	-0.63
		-0.63	-0.02	-3.95e-05	0.0	60.0	-2.38	1.41	-0.13	-5.41e-03	-0.02	0.27
114	177	3.13	-0.02	5.61e-05	-0.19	0.0	12.39	-3.22	-0.11	2.65e-03	-0.02	3.13
		1.00	-0.03	2.24e-04	0.0	60.0	12.39	-3.41	-0.11	2.65e-03	-0.03	1.00
114	178	0.26	0.02	1.23e-04	-0.19	0.0	-4.83	2.41	0.11	-0.01	0.01	-1.26
		-1.26	0.01	-2.19e-04	0.0	60.0	-4.83	2.22	0.11	-0.01	0.02	0.26
114	188	2.43	0.01	1.31e-04	-0.19	0.0	9.68	-2.33	0.13	-6.41e-03	-0.09	2.43
		0.97	-0.09	4.03e-05	0.0	60.0	9.68	-2.52	0.13	-6.41e-03	0.01	0.97
114	191	0.29	0.08	4.78e-05	-0.19	0.0	-2.11	1.52	-0.13	-5.36e-03	0.08	-0.56
		-0.56	-0.02	-3.60e-05	0.0	60.0	-2.11	1.33	-0.13	-5.36e-03	-0.02	0.29
114	209	3.45	-0.03	5.57e-05	-0.19	0.0	13.65	-3.64	-0.13	4.14e-03	-0.03	3.45
		1.06	-0.03	2.62e-04	0.0	60.0	13.65	-3.83	-0.13	4.14e-03	-0.03	1.06
114	210	0.20	0.02	1.23e-04	-0.19	0.0	-6.09	2.82	0.13	-0.02	0.02	-1.59
		-1.59	0.02	-2.57e-04	0.0	60.0	-6.09	2.64	0.13	-0.02	0.02	0.20
114	220	2.65	0.01	1.39e-04	-0.19	0.0	10.56	-2.62	0.15	-6.55e-03	-0.10	2.65
		1.02	-0.10	4.46e-05	0.0	60.0	10.56	-2.81	0.15	-6.55e-03	0.01	1.02
114	223	0.23	0.09	3.94e-05	-0.19	0.0	-2.99	1.81	-0.15	-5.21e-03	0.09	-0.79
		-0.79	-0.02	-4.02e-05	0.0	60.0	-2.99	1.62	-0.15	-5.21e-03	-0.02	0.23
115	18	-0.92	-0.03	7.55e-05	-0.23	0.0	-0.87	1.27	0.18	-9.06e-03	-0.13	-1.57
		-1.57	-0.13	-2.76e-06	0.0	56.0	-0.87	1.04	0.18	-9.06e-03	-0.03	-0.92
115	19	-0.37	-0.02	5.64e-05	-0.18	0.0	-0.14	0.75	0.19	-4.48e-03	-0.12	-0.74
		-0.74	-0.12	1.28e-06	0.0	56.0	-0.14	0.57	0.19	-4.48e-03	-0.02	-0.37
115	28	-1.11	6.97e-03	7.10e-05	-0.23	0.0	-1.20	1.32	-0.07	-9.85e-03	6.97e-03	-1.78
		-1.78	-0.03	-9.17e-06	0.0	56.0	-1.20	1.09	-0.07	-9.85e-03	-0.03	-1.11
115	45	-0.41	0.04	5.04e-05	-0.18	0.0	-0.28	0.70	-0.10	-4.26e-03	0.04	-0.75
		-0.75	-0.01	-8.07e-06	0.0	56.0	-0.28	0.52	-0.10	-4.26e-03	-0.01	-0.41
115	72	-0.40	-0.02	5.55e-05	-0.18	0.0	-0.20	0.76	0.12	-4.65e-03	-0.09	-0.78

		-0.78	-0.09	-1.50e-06	0.0	56.0	-0.20	0.58	0.12	-4.65e-03	-0.02	-0.40
115	75	-0.65	-0.02	5.73e-05	-0.18	0.0	-0.58	0.93	0.12	-6.51e-03	-0.09	-1.12
		-1.12	-0.09	-2.26e-06	0.0	56.0	-0.58	0.76	0.12	-6.51e-03	-0.02	-0.65
115	80	-0.77	3.32e-03	5.43e-05	-0.18	0.0	-0.81	0.96	-0.05	-7.03e-03	3.32e-03	-1.26
		-1.26	-0.02	-6.53e-06	0.0	56.0	-0.81	0.79	-0.05	-7.03e-03	-0.02	-0.77
115	85	-0.43	0.02	5.16e-05	-0.18	0.0	-0.30	0.72	-0.07	-4.51e-03	0.02	-0.79
		-0.79	-0.01	-6.68e-06	0.0	56.0	-0.30	0.55	-0.07	-4.51e-03	-0.01	-0.43
115	98	-0.66	-0.02	5.40e-05	-0.18	0.0	-0.59	0.87	-7.76e-03	-6.09e-03	-0.02	-1.10
		-1.10	-0.02	-4.36e-06	0.0	56.0	-0.59	0.70	-7.76e-03	-6.09e-03	-0.02	-0.66
115	102	-0.42	-0.02	5.38e-05	-0.18	0.0	-0.24	0.74	0.02	-4.59e-03	-0.03	-0.78
		-0.78	-0.03	-3.25e-06	0.0	56.0	-0.24	0.56	0.02	-4.59e-03	-0.02	-0.42
115	103	-0.62	-0.02	5.43e-05	-0.18	0.0	-0.54	0.86	0.02	-5.89e-03	-0.03	-1.05
		-1.05	-0.03	-3.82e-06	0.0	56.0	-0.54	0.68	0.02	-5.89e-03	-0.02	-0.62
115	104	-0.42	-5.27e-03	5.30e-05	-0.18	0.0	-0.26	0.73	-0.02	-4.56e-03	-5.27e-03	-0.78
		-0.78	-0.02	-4.29e-06	0.0	56.0	-0.26	0.56	-0.02	-4.56e-03	-0.02	-0.42
115	106	-0.42	-0.01	5.34e-05	-0.18	0.0	-0.25	0.74	-5.88e-03	-4.58e-03	-0.01	-0.78
		-0.78	-0.02	-3.69e-06	0.0	56.0	-0.25	0.56	-5.88e-03	-4.58e-03	-0.02	-0.42
115	107	-0.62	-0.02	5.39e-05	-0.18	0.0	-0.55	0.85	-7.49e-03	-5.87e-03	-0.02	-1.05
		-1.05	-0.02	-4.26e-06	0.0	56.0	-0.55	0.68	-7.49e-03	-5.87e-03	-0.02	-0.62
115	113	-3.31	-0.04	-1.77e-03	-0.18	0.0	-4.50	6.83	-0.06	1.72e-03	-0.04	-7.07
		-7.07	-0.06	1.76e-04	0.0	56.0	-4.50	6.65	-0.06	1.72e-03	-0.06	-3.31
115	114	4.97	0.02	1.87e-03	-0.18	0.0	3.41	-5.12	0.04	-0.01	0.01	4.97
		2.06	0.01	-1.85e-04	0.0	56.0	3.41	-5.30	0.04	-0.01	0.02	2.06
115	124	-0.36	-0.08	-5.68e-04	-0.18	0.0	-0.53	5.17	0.04	-6.28e-03	-0.11	-5.09
		-5.09	-0.11	2.24e-05	0.0	56.0	-0.53	4.99	0.04	-6.28e-03	-0.08	-0.36
115	127	2.99	0.07	6.76e-04	-0.18	0.0	-0.56	-3.46	-0.06	-5.46e-03	0.07	2.99
		-0.88	0.04	-3.09e-05	0.0	56.0	-0.56	-3.64	-0.06	-5.46e-03	0.04	-0.88
115	145	-3.64	-0.05	-1.99e-03	-0.18	0.0	-5.00	7.57	-0.06	2.68e-03	-0.05	-7.83
		-7.83	-0.07	1.99e-04	0.0	56.0	-5.00	7.40	-0.06	2.68e-03	-0.07	-3.64
115	146	5.72	0.03	2.10e-03	-0.18	0.0	3.91	-5.87	0.05	-0.01	0.02	5.72
		2.40	0.02	-2.08e-04	0.0	56.0	3.91	-6.04	0.05	-0.01	0.03	2.40
115	156	-0.33	-0.09	-6.46e-04	-0.18	0.0	-0.53	5.70	0.05	-6.34e-03	-0.12	-5.59
		-5.59	-0.12	2.54e-05	0.0	56.0	-0.53	5.53	0.05	-6.34e-03	-0.09	-0.33
115	159	3.49	0.09	7.53e-04	-0.18	0.0	-0.56	-3.99	-0.06	-5.40e-03	0.09	3.49
		-0.91	0.05	-3.39e-05	0.0	56.0	-0.56	-4.17	-0.06	-5.40e-03	0.05	-0.91
115	177	-3.52	-0.04	-1.93e-03	-0.18	0.0	-4.87	7.24	-0.06	2.67e-03	-0.04	-7.51
		-7.51	-0.06	1.97e-04	0.0	56.0	-4.87	7.06	-0.06	2.67e-03	-0.06	-3.52
115	178	5.41	0.02	2.04e-03	-0.18	0.0	3.77	-5.53	0.05	-0.01	0.01	5.41
		2.27	0.01	-2.06e-04	0.0	56.0	3.77	-5.71	0.05	-0.01	0.02	2.27
115	188	-0.35	-0.09	-6.22e-04	-0.18	0.0	-0.56	5.50	0.05	-6.39e-03	-0.12	-5.39
		-5.39	-0.12	2.22e-05	0.0	56.0	-0.56	5.32	0.05	-6.39e-03	-0.09	-0.35
115	191	3.29	0.08	7.30e-04	-0.18	0.0	-0.53	-3.79	-0.06	-5.35e-03	0.08	3.29
		-0.90	0.05	-3.07e-05	0.0	56.0	-0.53	-3.97	-0.06	-5.35e-03	0.05	-0.90
115	209	-3.95	-0.05	-2.24e-03	-0.18	0.0	-5.55	8.16	-0.07	4.16e-03	-0.05	-8.46
		-8.46	-0.07	2.32e-04	0.0	56.0	-5.55	7.98	-0.07	4.16e-03	-0.07	-3.95
115	210	6.36	0.03	2.35e-03	-0.18	0.0	4.46	-6.45	0.06	-0.02	0.02	6.36
		2.71	0.02	-2.40e-04	0.0	56.0	4.46	-6.63	0.06	-0.02	0.03	2.71
115	220	-0.31	-0.10	-7.27e-04	-0.18	0.0	-0.57	6.20	0.05	-6.54e-03	-0.13	-6.04
		-6.04	-0.13	2.46e-05	0.0	56.0	-0.57	6.02	0.05	-6.54e-03	-0.10	-0.31
115	223	3.94	0.10	8.35e-04	-0.18	0.0	-0.52	-4.49	-0.07	-5.20e-03	0.10	3.94
		-0.94	0.06	-3.31e-05	0.0	56.0	-0.52	-4.67	-0.07	-5.20e-03	0.06	-0.94
116	3	0.0	0.06	3.54e-05	-0.23	0.0	0.09	2.02	0.17	-9.47e-03	-0.03	-1.07
		-1.07	-0.03	-9.66e-06	0.0	56.0	0.09	1.79	0.17	-9.47e-03	0.06	0.0
116	4	0.0	0.06	3.73e-05	-0.23	0.0	0.11	2.04	0.17	-9.98e-03	-0.03	-1.08
		-1.08	-0.03	-1.00e-05	0.0	56.0	0.11	1.81	0.17	-9.98e-03	0.06	0.0
116	7	0.0	0.05	2.50e-05	-0.18	0.0	0.04	1.67	0.13	-7.67e-03	-0.03	-0.88
		-0.88	-0.03	-7.31e-06	0.0	56.0	0.04	1.49	0.13	-7.67e-03	0.05	0.0
116	28	0.0	0.08	3.20e-05	-0.23	0.0	0.18	2.09	0.20	-9.85e-03	-0.03	-1.11
		-1.11	-0.03	-1.45e-05	0.0	56.0	0.18	1.86	0.20	-9.85e-03	0.08	0.0
116	42	0.0	0.06	5.06e-05	-0.23	0.0	0.33	1.20	0.14	-6.57e-03	-0.02	-0.61
		-0.61	-0.02	-1.30e-05	0.0	56.0	0.33	0.97	0.14	-6.57e-03	0.06	0.0
116	67	0.0	0.04	2.98e-05	-0.18	0.0	0.09	1.42	0.12	-6.78e-03	-0.02	-0.75
		-0.75	-0.02	-7.14e-06	0.0	56.0	0.09	1.25	0.12	-6.78e-03	0.04	0.0
116	68	0.0	0.05	3.11e-05	-0.18	0.0	0.10	1.44	0.12	-7.12e-03	-0.02	-0.76
		-0.76	-0.02	-7.38e-06	0.0	56.0	0.10	1.26	0.12	-7.12e-03	0.05	0.0
116	80	0.0	0.06	2.75e-05	-0.18	0.0	0.15	1.47	0.14	-7.03e-03	-0.02	-0.77
		-0.77	-0.02	-1.04e-05	0.0	56.0	0.15	1.30	0.14	-7.03e-03	0.06	0.0
116	86	0.0	0.04	3.99e-05	-0.18	0.0	0.25	0.88	0.10	-4.85e-03	-0.01	-0.44
		-0.44	-0.01	-9.35e-06	0.0	56.0	0.25	0.70	0.10	-4.85e-03	0.04	0.0
116	98	0.0	0.04	3.19e-05	-0.18	0.0	0.14	1.26	0.12	-6.09e-03	-0.02	-0.66
		-0.66	-0.02	-7.86e-06	0.0	56.0	0.14	1.08	0.12	-6.09e-03	0.04	0.0
116	103	0.0	0.04	3.39e-05	-0.18	0.0	0.14	1.19	0.11	-5.89e-03	-0.02	-0.62
		-0.62	-0.02	-7.19e-06	0.0	56.0	0.14	1.02	0.11	-5.89e-03	0.04	0.0
116	104	0.0	0.03	4.08e-05	-0.18	0.0	0.20	0.84	0.09	-4.56e-03	-0.02	-0.42
		-0.42	-0.02	-6.91e-06	0.0	56.0	0.20	0.67	0.09	-4.56e-03	0.03	0.0

116	105	0.0	0.04	3.27e-05	-0.18	0.0	0.16	1.20	0.12	-5.86e-03	-0.02	-0.63
		-0.63	-0.02	-8.20e-06	0.0	56.0	0.16	1.03	0.12	-5.86e-03	0.04	0.0
116	106	0.0	0.03	4.14e-05	-0.18	0.0	0.19	0.84	0.09	-4.58e-03	-0.02	-0.42
		-0.42	-0.02	-6.36e-06	0.0	56.0	0.19	0.66	0.09	-4.58e-03	0.03	0.0
116	107	0.0	0.04	3.33e-05	-0.18	0.0	0.15	1.20	0.11	-5.87e-03	-0.02	-0.62
		-0.62	-0.02	-7.65e-06	0.0	56.0	0.15	1.02	0.11	-5.87e-03	0.04	0.0
116	108	0.0	-0.08	-7.41e-05	-0.18	0.0	-0.87	4.78	-0.04	1.75e-03	-0.08	-2.63
		-2.63	-0.11	1.64e-04	0.0	56.0	-0.87	4.61	-0.04	1.75e-03	-0.11	0.0
116	111	1.39	0.20	1.41e-04	-0.18	0.0	1.16	-2.39	0.27	-0.01	0.04	1.39
		0.0	0.04	-1.80e-04	0.0	56.0	1.16	-2.56	0.27	-0.01	0.20	0.0
116	113	0.0	-0.06	-8.65e-05	-0.18	0.0	-1.22	6.00	-0.08	1.72e-03	-0.06	-3.31
		-3.31	-0.07	1.75e-04	0.0	56.0	-1.22	5.82	-0.08	1.72e-03	-0.07	0.0
116	114	2.06	0.16	1.53e-04	-0.18	0.0	1.51	-3.60	0.31	-0.01	0.02	2.06
		0.0	0.02	-1.91e-04	0.0	56.0	1.51	-3.77	0.31	-0.01	0.16	0.0
116	140	0.0	-0.09	-8.82e-05	-0.18	0.0	-0.99	5.24	-0.06	2.71e-03	-0.09	-2.88
		-2.88	-0.13	1.86e-04	0.0	56.0	-0.99	5.06	-0.06	2.71e-03	-0.13	0.0
116	143	1.64	0.22	1.55e-04	-0.18	0.0	1.29	-2.84	0.29	-0.01	0.05	1.64
		0.0	0.05	-2.01e-04	0.0	56.0	1.29	-3.01	0.29	-0.01	0.22	0.0
116	145	0.0	-0.07	-1.02e-04	-0.18	0.0	-1.38	6.59	-0.11	2.68e-03	-0.07	-3.64
		-3.64	-0.09	1.98e-04	0.0	56.0	-1.38	6.42	-0.11	2.68e-03	-0.09	0.0
116	146	2.40	0.17	1.69e-04	-0.18	0.0	1.68	-4.20	0.33	-0.01	0.03	2.40
		0.0	0.03	-2.14e-04	0.0	56.0	1.68	-4.37	0.33	-0.01	0.17	0.0
116	172	0.0	-0.08	-1.07e-04	-0.18	0.0	-0.94	5.06	-0.06	2.70e-03	-0.08	-2.78
		-2.78	-0.12	1.83e-04	0.0	56.0	-0.94	4.88	-0.06	2.70e-03	-0.12	0.0
116	175	1.54	0.21	1.73e-04	-0.18	0.0	1.23	-2.66	0.28	-0.01	0.04	1.54
		0.0	0.04	-1.99e-04	0.0	56.0	1.23	-2.83	0.28	-0.01	0.21	0.0
116	177	0.0	-0.06	-1.23e-04	-0.18	0.0	-1.31	6.37	-0.10	2.67e-03	-0.06	-3.52
		-3.52	-0.08	1.96e-04	0.0	56.0	-1.31	6.19	-0.10	2.67e-03	-0.08	0.0
116	178	2.27	0.17	1.89e-04	-0.18	0.0	1.61	-3.97	0.33	-0.01	0.02	2.27
		0.0	0.02	-2.11e-04	0.0	56.0	1.61	-4.14	0.33	-0.01	0.17	0.0
116	204	0.0	-0.09	-1.42e-04	-0.18	0.0	-1.10	5.63	-0.08	4.20e-03	-0.09	-3.10
		-3.10	-0.15	2.15e-04	0.0	56.0	-1.10	5.46	-0.08	4.20e-03	-0.15	0.0
116	207	1.86	0.23	2.08e-04	-0.18	0.0	1.40	-3.23	0.31	-0.02	0.05	1.86
		0.0	0.05	-2.31e-04	0.0	56.0	1.40	-3.41	0.31	-0.02	0.23	0.0
116	209	0.0	-0.07	-1.61e-04	-0.18	0.0	-1.54	7.14	-0.14	4.16e-03	-0.07	-3.95
		-3.95	-0.10	2.31e-04	0.0	56.0	-1.54	6.97	-0.14	4.16e-03	-0.10	0.0
116	210	2.71	0.19	2.27e-04	-0.18	0.0	1.83	-4.74	0.36	-0.02	0.03	2.71
		0.0	0.03	-2.46e-04	0.0	56.0	1.83	-4.92	0.36	-0.02	0.19	0.0
117	4	5.58	0.12	-3.28e-04	-15.03	0.0	-4.36	29.53	-0.30	3.37e-03	0.12	-5.74
		-5.74	-0.04	6.61e-06	0.0	51.4	-4.36	14.50	-0.30	3.37e-03	-0.04	5.58
117	28	5.15	0.10	-3.24e-04	-15.03	0.0	-4.42	29.88	-0.27	3.56e-03	0.10	-6.35
		-6.35	-0.04	6.07e-06	0.0	51.4	-4.42	14.85	-0.27	3.56e-03	-0.04	5.15
117	53	1.83	0.04	-1.11e-04	-4.00	0.0	-2.01	9.63	-0.10	1.82e-03	0.04	-2.09
		-2.09	-0.01	2.14e-06	0.0	51.4	-2.01	5.63	-0.10	1.82e-03	-0.01	1.83
117	68	3.89	0.08	-2.29e-04	-10.34	0.0	-3.13	20.57	-0.21	2.46e-03	0.08	-4.02
		-4.02	-0.03	4.60e-06	0.0	51.4	-3.13	10.22	-0.21	2.46e-03	-0.03	3.89
117	80	3.60	0.07	-2.26e-04	-10.34	0.0	-3.17	20.80	-0.19	2.59e-03	0.07	-4.43
		-4.43	-0.03	4.24e-06	0.0	51.4	-3.17	10.46	-0.19	2.59e-03	-0.03	3.60
117	89	1.97	0.04	-1.19e-04	-4.39	0.0	-2.10	10.38	-0.10	1.88e-03	0.04	-2.24
		-2.24	-0.01	2.30e-06	0.0	51.4	-2.10	5.99	-0.10	1.88e-03	-0.01	1.97
117	97	1.97	0.04	-1.19e-04	-4.39	0.0	-2.10	10.38	-0.10	1.88e-03	0.04	-2.24
		-2.24	-0.01	2.30e-06	0.0	51.4	-2.10	5.99	-0.10	1.88e-03	-0.01	1.97
117	98	3.09	0.06	-1.88e-04	-8.56	0.0	-2.72	17.13	-0.17	2.22e-03	0.06	-3.51
		-3.51	-0.02	3.74e-06	0.0	51.4	-2.72	8.57	-0.17	2.22e-03	-0.02	3.09
117	106	1.97	0.04	-1.19e-04	-4.39	0.0	-2.10	10.38	-0.10	1.88e-03	0.04	-2.24
		-2.24	-0.01	2.30e-06	0.0	51.4	-2.10	5.99	-0.10	1.88e-03	-0.01	1.97
117	107	2.93	0.06	-1.79e-04	-7.96	0.0	-2.63	16.16	-0.16	2.17e-03	0.06	-3.33
		-3.33	-0.02	3.54e-06	0.0	51.4	-2.63	8.20	-0.16	2.17e-03	-0.02	2.93
117	108	2.39	0.71	-1.28e-04	-7.96	0.0	16.28	11.43	-1.34	-0.03	0.71	-0.08
		-0.08	0.01	-5.22e-04	0.0	51.4	16.28	3.47	-1.34	-0.03	0.01	2.39
117	111	3.47	-0.06	-2.29e-04	-7.96	0.0	-21.55	20.90	1.02	0.03	-0.59	-6.58
		-6.58	-0.59	5.29e-04	0.0	51.4	-21.55	12.93	1.02	0.03	-0.06	3.47
117	136	4.73	0.40	-1.90e-04	-7.96	0.0	8.07	12.65	-0.76	-0.01	0.40	0.14
		0.14	-0.03	2.43e-03	0.0	51.4	8.07	4.68	-0.76	-0.01	-0.03	4.73
117	139	1.13	-9.58e-03	-1.67e-04	-7.96	0.0	-13.33	19.68	0.44	0.02	-0.28	-6.80
		-6.80	-0.28	-2.43e-03	0.0	51.4	-13.33	11.71	0.44	0.02	-9.58e-03	1.13
117	140	2.32	0.79	-1.22e-04	-7.96	0.0	18.68	10.83	-1.49	-0.03	0.79	0.33
		0.33	0.02	-5.88e-04	0.0	51.4	18.68	2.87	-1.49	-0.03	0.02	2.32
117	143	3.54	-0.06	-2.35e-04	-7.96	0.0	-23.95	21.49	1.17	0.03	-0.67	-6.99
		-6.99	-0.67	5.95e-04	0.0	51.4	-23.95	13.53	1.17	0.03	-0.06	3.54
117	168	4.96	0.44	-1.92e-04	-7.96	0.0	9.45	12.19	-0.84	-0.02	0.44	0.58
		0.58	-0.04	2.74e-03	0.0	51.4	9.45	4.23	-0.84	-0.02	-0.04	4.96
117	171	0.90	-8.11e-03	-1.65e-04	-7.96	0.0	-14.71	20.13	0.52	0.02	-0.32	-7.24
		-7.24	-0.32	-2.73e-03	0.0	51.4	-14.71	12.17	0.52	0.02	-8.11e-03	0.90
117	172	2.36	0.79	-1.22e-04	-7.96	0.0	18.63	10.83	-1.48	-0.03	0.79	0.31

		0.31	0.02	-5.73e-04	0.0	51.4	18.63	2.87	-1.48	-0.03	0.02	2.36
117	175	3.50	-0.06	-2.35e-04	-7.96	0.0	-23.90	21.49	1.17	0.03	-0.67	-6.97
		-6.97	-0.67	5.80e-04	0.0	51.4	-23.90	13.53	1.17	0.03	-0.06	3.50
117	200	4.93	0.44	-1.92e-04	-7.96	0.0	9.60	12.13	-0.85	-0.01	0.44	0.60
		0.60	-0.03	2.72e-03	0.0	51.4	9.60	4.17	-0.85	-0.01	-0.03	4.93
117	203	0.93	-8.49e-03	-1.65e-04	-7.96	0.0	-14.87	20.19	0.53	0.02	-0.32	-7.26
		-7.26	-0.32	-2.72e-03	0.0	51.4	-14.87	12.23	0.53	0.02	-8.49e-03	0.93
117	204	2.34	0.91	-1.13e-04	-7.96	0.0	22.33	9.90	-1.71	-0.03	0.91	0.94
		0.94	0.02	-6.65e-04	0.0	51.4	22.33	1.93	-1.71	-0.03	0.02	2.29
117	207	3.57	-0.07	-2.44e-04	-7.96	0.0	-27.60	22.43	1.40	0.04	-0.79	-7.60
		-7.60	-0.79	6.72e-04	0.0	51.4	-27.60	14.46	1.40	0.04	-0.07	3.57
117	232	5.27	0.52	-1.94e-04	-7.96	0.0	11.92	11.37	-0.98	-0.02	0.52	1.31
		1.31	-0.04	3.19e-03	0.0	51.4	11.92	3.40	-0.98	-0.02	-0.04	5.27
117	235	0.59	-6.69e-03	-1.63e-04	-7.96	0.0	-17.18	20.96	0.66	0.02	-0.40	-7.97
		-7.97	-0.40	-3.18e-03	0.0	51.4	-17.18	12.99	0.66	0.02	-6.69e-03	0.59
118	4	9.76	-4.14e-03	-1.41e-04	-15.01	0.0	-2.17	15.63	0.07	3.37e-03	-0.04	5.58
		5.58	-0.04	1.91e-06	0.0	51.4	-2.17	0.62	0.07	3.37e-03	-4.14e-03	9.76
118	15	5.22	-2.37e-03	-7.42e-05	-6.10	0.0	-2.87	7.27	0.04	2.39e-03	-0.02	3.05
		3.05	-0.02	0.0	0.0	51.4	-2.87	1.17	0.04	2.39e-03	-2.37e-03	5.22
118	45	2.90	-1.55e-03	-4.32e-05	-3.99	0.0	0.36	4.77	0.02	2.03e-03	-0.01	1.47
		1.47	-0.01	0.0	0.0	51.4	0.36	0.79	0.02	2.03e-03	-1.55e-03	2.90
118	48	6.33	-2.85e-03	-9.34e-05	-10.23	0.0	0.40	10.76	0.05	2.75e-03	-0.03	3.42
		3.42	-0.03	0.0	0.0	51.4	0.40	0.54	0.05	2.75e-03	-2.85e-03	6.33
118	68	6.82	-2.93e-03	-9.88e-05	-10.32	0.0	-1.56	10.85	0.05	2.46e-03	-0.03	3.89
		3.89	-0.03	1.31e-06	0.0	51.4	-1.56	0.53	0.05	2.46e-03	-2.93e-03	6.82
118	72	3.79	-1.75e-03	-5.39e-05	-4.38	0.0	-2.03	5.28	0.03	1.81e-03	-0.02	2.21
		2.21	-0.02	0.0	0.0	51.4	-2.03	0.89	0.03	1.81e-03	-1.75e-03	3.79
118	85	3.27	-1.67e-03	-4.81e-05	-4.38	0.0	-0.07	5.19	0.02	2.02e-03	-0.01	1.73
		1.73	-0.01	0.0	0.0	51.4	-0.07	0.81	0.02	2.02e-03	-1.67e-03	3.27
118	88	5.56	-2.53e-03	-8.16e-05	-8.54	0.0	-0.05	9.19	0.04	2.50e-03	-0.02	3.03
		3.03	-0.02	0.0	0.0	51.4	-0.05	0.65	0.04	2.50e-03	-2.53e-03	5.56
118	98	5.51	-2.47e-03	-8.03e-05	-8.54	0.0	-0.92	8.96	0.04	2.22e-03	-0.02	3.09
		3.09	-0.02	1.07e-06	0.0	51.4	-0.92	0.42	0.04	2.22e-03	-2.47e-03	5.51
118	102	3.59	-1.72e-03	-5.16e-05	-4.38	0.0	-1.14	5.24	0.03	1.86e-03	-0.01	2.02
		2.02	-0.01	0.0	0.0	51.4	-1.14	0.86	0.03	1.86e-03	-1.72e-03	3.59
118	104	3.48	-1.70e-03	-5.05e-05	-4.38	0.0	-0.75	5.23	0.03	1.90e-03	-0.01	1.92
		1.92	-0.01	0.0	0.0	51.4	-0.75	0.84	0.03	1.90e-03	-1.70e-03	3.48
118	105	5.17	-2.36e-03	-7.55e-05	-7.95	0.0	-0.75	8.42	0.04	2.20e-03	-0.02	2.88
		2.88	-0.02	0.0	0.0	51.4	-0.75	0.48	0.04	2.20e-03	-2.36e-03	5.17
118	106	3.54	-1.71e-03	-5.11e-05	-4.38	0.0	-0.92	5.24	0.03	1.88e-03	-0.01	1.97
		1.97	-0.01	0.0	0.0	51.4	-0.92	0.85	0.03	1.88e-03	-1.71e-03	3.54
118	107	5.23	-2.36e-03	-7.61e-05	-7.95	0.0	-0.92	8.43	0.04	2.17e-03	-0.02	2.93
		2.93	-0.02	0.0	0.0	51.4	-0.92	0.48	0.04	2.17e-03	-2.36e-03	5.23
118	113	3.36	0.02	-2.02e-05	-7.95	0.0	12.25	6.57	-0.04	-0.02	0.02	1.61
		1.61	1.91e-03	1.70e-04	0.0	51.4	12.25	-1.37	-0.04	-0.02	1.91e-03	3.36
118	114	7.10	-6.64e-03	-1.40e-04	-7.95	0.0	-14.09	10.29	0.12	0.02	-0.07	4.25
		4.25	-0.07	-1.68e-04	0.0	51.4	-14.09	2.34	0.12	0.02	-6.64e-03	7.10
118	133	3.02	0.01	-3.01e-05	-7.95	0.0	13.89	8.62	-0.02	5.06e-03	0.01	1.13
		1.13	1.70e-03	7.43e-06	0.0	51.4	13.89	0.67	-0.02	5.06e-03	1.70e-03	3.02
118	134	7.43	-6.43e-03	-1.25e-04	-7.95	0.0	-15.73	8.24	0.09	-7.21e-04	-0.05	4.73
		4.73	-0.05	-5.43e-06	0.0	51.4	-15.73	0.30	0.09	-7.21e-04	-6.43e-03	7.43
118	139	3.73	-2.54e-04	-5.47e-05	-7.95	0.0	8.73	9.76	0.02	0.02	-9.58e-03	1.13
		1.13	-9.58e-03	-1.04e-04	0.0	51.4	8.73	1.81	0.02	0.02	-2.54e-04	3.73
118	145	3.14	0.03	-1.53e-05	-7.95	0.0	13.90	6.34	-0.05	-0.02	0.03	1.45
		1.45	2.44e-03	1.92e-04	0.0	51.4	13.90	-1.61	-0.05	-0.02	2.44e-03	3.14
118	146	7.33	-7.17e-03	-1.48e-04	-7.95	0.0	-15.74	10.52	0.13	0.03	-0.07	4.41
		4.41	-0.07	-1.90e-04	0.0	51.4	-15.74	2.58	0.13	0.03	-7.17e-03	7.33
118	165	2.75	0.02	-2.54e-05	-7.95	0.0	15.74	8.64	-0.03	5.39e-03	0.02	0.90
		0.90	2.21e-03	7.88e-06	0.0	51.4	15.74	0.69	-0.03	5.39e-03	2.21e-03	2.75
118	166	7.70	-6.93e-03	-1.31e-04	-7.95	0.0	-17.57	8.22	0.10	-1.05e-03	-0.06	4.96
		4.96	-0.06	-5.88e-06	0.0	51.4	-17.57	0.27	0.10	-1.05e-03	-6.93e-03	7.70
118	171	3.54	8.85e-06	-5.21e-05	-7.95	0.0	9.93	9.93	0.02	0.02	-8.11e-03	0.90
		0.90	-8.11e-03	-1.18e-04	0.0	51.4	9.93	1.98	0.02	0.02	8.85e-06	3.54
118	177	3.23	0.03	-1.60e-05	-7.95	0.0	13.49	6.36	-0.05	-0.02	0.03	1.50
		1.50	2.25e-03	1.97e-04	0.0	51.4	13.49	-1.59	-0.05	-0.02	2.25e-03	3.23
118	178	7.23	-6.98e-03	-1.47e-04	-7.95	0.0	-15.33	10.51	0.13	0.02	-0.07	4.36
		4.36	-0.07	-1.95e-04	0.0	51.4	-15.33	2.56	0.13	0.02	-6.98e-03	7.23
118	197	2.81	0.01	-2.63e-05	-7.95	0.0	15.43	8.63	-0.03	5.19e-03	0.01	0.93
		0.93	2.10e-03	6.10e-06	0.0	51.4	15.43	0.68	-0.03	5.19e-03	2.10e-03	2.81
118	198	7.65	-6.82e-03	-1.30e-04	-7.95	0.0	-17.26	8.23	0.10	-8.49e-04	-0.06	4.93
		4.93	-0.06	-4.10e-06	0.0	51.4	-17.26	0.28	0.10	-8.49e-04	-6.82e-03	7.65
118	203	3.53	-2.91e-05	-5.28e-05	-7.95	0.0	9.81	9.91	0.02	0.02	-8.49e-03	0.93
		0.93	-8.49e-03	-1.27e-04	0.0	51.4	9.81	1.97	0.02	0.02	-2.91e-05	3.53
118	209	2.95	0.04	-9.89e-06	-7.95	0.0	15.76	6.00	-0.06	-0.02	0.04	1.29
		1.29	2.98e-03	2.34e-04	0.0	51.4	15.76	-1.94	-0.06	-0.02	2.98e-03	2.95

118	210	7.52	-7.71e-03	-1.59e-04	-7.95	0.0	-17.60	10.86	0.14	0.03	-0.08	4.57
		4.57	-0.08	-2.32e-04	0.0	51.4	-17.60	2.91	0.14	0.03	-7.71e-03	7.52
118	229	2.43	0.02	-2.01e-05	-7.95	0.0	18.05	8.67	-0.04	5.67e-03	0.02	0.60
		0.60	2.81e-03	5.68e-06	0.0	51.4	18.05	0.72	-0.04	5.67e-03	2.81e-03	2.42
118	230	8.03	-7.54e-03	-1.39e-04	-7.95	0.0	-19.88	8.20	0.11	-1.34e-03	-0.06	5.26
		5.26	-0.06	-3.69e-06	0.0	51.4	-19.88	0.25	0.11	-1.34e-03	-7.54e-03	8.03
118	235	3.24	3.17e-04	-4.95e-05	-7.95	0.0	11.49	10.18	0.01	0.02	-6.69e-03	0.59
		0.59	-6.69e-03	-1.56e-04	0.0	51.4	11.49	2.23	0.01	0.02	3.17e-04	3.24
119	4	11.03	-9.76e-04	-2.54e-05	-15.03	0.0	-2.22	8.62	6.16e-03	3.37e-03	-4.14e-03	9.76
		9.76	-4.14e-03	1.65e-06	0.0	51.4	-2.22	-6.42	6.16e-03	3.37e-03	-9.76e-04	10.33
119	15	5.85	-6.91e-04	-1.22e-05	-6.11	0.0	-2.88	3.87	3.27e-03	2.39e-03	-2.37e-03	5.22
		5.22	-2.37e-03	0.0	0.0	51.4	-2.88	-2.24	3.27e-03	2.39e-03	-6.91e-04	5.64
119	21	7.54	-3.90e-04	-1.82e-05	-10.25	0.0	-2.55	5.97	4.73e-03	2.23e-03	-2.82e-03	6.64
		6.64	-2.82e-03	1.08e-06	0.0	51.4	-2.55	-4.27	4.73e-03	2.23e-03	-3.90e-04	7.08
119	45	3.20	-1.47e-03	7.00e-06	-4.00	0.0	0.20	2.18	1.56e-04	2.03e-03	-1.55e-03	2.90
		2.90	-1.55e-03	0.0	0.0	51.4	0.20	-1.82	1.56e-04	2.03e-03	-1.47e-03	2.99
119	48	7.11	-1.54e-03	-1.50e-05	-10.25	0.0	0.23	5.59	2.55e-03	2.75e-03	-2.85e-03	6.33
		6.33	-2.85e-03	0.0	0.0	51.4	0.23	-4.66	2.55e-03	2.75e-03	-1.54e-03	6.57
119	68	7.70	-7.70e-04	-1.75e-05	-10.34	0.0	-1.60	5.95	4.20e-03	2.46e-03	-2.93e-03	6.82
		6.82	-2.93e-03	1.13e-06	0.0	51.4	-1.60	-4.40	4.20e-03	2.46e-03	-7.70e-04	7.22
119	72	4.25	-5.80e-04	-8.71e-06	-4.39	0.0	-2.05	2.78	2.27e-03	1.81e-03	-1.75e-03	3.79
		3.79	-1.75e-03	0.0	0.0	51.4	-2.05	-1.61	2.27e-03	1.81e-03	-5.80e-04	4.10
119	74	6.52	-5.77e-04	-1.51e-05	-8.56	0.0	-2.04	5.01	3.77e-03	2.15e-03	-2.51e-03	5.77
		5.77	-2.51e-03	0.0	0.0	51.4	-2.04	-3.55	3.77e-03	2.15e-03	-5.77e-04	6.14
119	85	3.63	-1.30e-03	-6.43e-06	-4.39	0.0	-0.21	2.48	7.15e-04	2.02e-03	-1.67e-03	3.27
		3.27	-1.67e-03	0.0	0.0	51.4	-0.21	-1.92	7.15e-04	2.02e-03	-1.30e-03	3.42
119	88	6.23	-1.35e-03	-1.29e-05	-8.56	0.0	-0.19	4.75	2.31e-03	2.50e-03	-2.53e-03	5.56
		5.56	-2.53e-03	0.0	0.0	51.4	-0.19	-3.81	2.31e-03	2.50e-03	-1.35e-03	5.80
119	98	6.21	-9.33e-04	-1.39e-05	-8.56	0.0	-0.99	4.86	3.00e-03	2.22e-03	-2.47e-03	5.51
		5.51	-2.47e-03	0.0	0.0	51.4	-0.99	-3.70	3.00e-03	2.22e-03	-9.33e-04	5.80
119	102	4.00	-8.64e-04	-7.80e-06	-4.39	0.0	-1.21	2.66	1.66e-03	1.86e-03	-1.72e-03	3.59
		3.59	-1.72e-03	0.0	0.0	51.4	-1.21	-1.73	1.66e-03	1.86e-03	-8.64e-04	3.83
119	103	5.95	-8.62e-04	-1.33e-05	-7.96	0.0	-1.20	4.57	2.94e-03	2.16e-03	-2.37e-03	5.28
		5.28	-2.37e-03	0.0	0.0	51.4	-1.20	-3.40	2.94e-03	2.16e-03	-8.62e-04	5.58
119	104	3.88	-1.01e-03	-7.35e-06	-4.39	0.0	-0.84	2.60	1.35e-03	1.90e-03	-1.70e-03	3.48
		3.48	-1.70e-03	0.0	0.0	51.4	-0.84	-1.79	1.35e-03	1.90e-03	-1.01e-03	3.69
119	105	5.83	-1.01e-03	-1.28e-05	-7.96	0.0	-0.84	4.51	2.63e-03	2.20e-03	-2.36e-03	5.17
		5.17	-2.36e-03	0.0	0.0	51.4	-0.84	-3.46	2.63e-03	2.20e-03	-1.01e-03	5.44
119	106	3.94	-9.35e-04	-7.57e-06	-4.39	0.0	-1.00	2.63	1.50e-03	1.88e-03	-1.71e-03	3.54
		3.54	-1.71e-03	0.0	0.0	51.4	-1.00	-1.76	1.50e-03	1.88e-03	-9.35e-04	3.76
119	107	5.89	-9.33e-04	-1.30e-05	-7.96	0.0	-1.00	4.54	2.78e-03	2.17e-03	-2.36e-03	5.23
		5.23	-2.36e-03	0.0	0.0	51.4	-1.00	-3.43	2.78e-03	2.17e-03	-9.33e-04	5.51
119	108	4.32	0.01	5.65e-05	-7.96	0.0	9.06	2.27	0.02	-0.03	6.32e-04	4.14
		3.31	6.32e-04	1.74e-04	0.0	51.4	9.06	-5.69	0.02	-0.03	0.01	3.31
119	111	7.76	-5.36e-03	-4.57e-05	-7.96	0.0	-11.05	6.80	-0.02	0.03	-5.36e-03	6.31
		6.31	-0.01	-1.72e-04	0.0	51.4	-11.05	-1.16	-0.02	0.03	-0.01	7.72
119	133	3.17	1.70e-03	5.26e-05	-7.96	0.0	14.82	2.04	-1.26e-03	5.06e-03	1.70e-03	3.02
		2.08	-1.18e-03	5.85e-06	0.0	51.4	14.82	-5.92	-1.26e-03	5.06e-03	-1.18e-03	2.08
119	134	8.98	-6.87e-04	-4.36e-05	-7.96	0.0	-16.81	7.04	6.82e-03	-7.21e-04	-6.43e-03	7.43
		7.43	-6.43e-03	-4.15e-06	0.0	51.4	-16.81	-0.93	6.82e-03	-7.21e-04	-6.87e-04	8.95
119	140	4.15	0.01	6.27e-05	-7.96	0.0	10.33	1.99	0.02	-0.03	9.99e-04	4.01
		3.03	9.99e-04	1.96e-04	0.0	51.4	10.33	-5.97	0.02	-0.03	0.01	3.03
119	143	8.02	-5.73e-03	-5.09e-05	-7.96	0.0	-12.32	7.09	-0.02	0.03	-5.73e-03	6.44
		6.44	-0.02	-1.94e-04	0.0	51.4	-12.32	-0.88	-0.02	0.03	-0.02	7.99
119	165	2.86	2.21e-03	5.83e-05	-7.96	0.0	16.79	1.73	-1.79e-03	5.39e-03	2.21e-03	2.75
		1.65	-1.23e-03	6.11e-06	0.0	51.4	16.79	-6.23	-1.79e-03	5.39e-03	-1.23e-03	1.65
119	166	9.39	-6.38e-04	-4.82e-05	-7.96	0.0	-18.78	7.35	7.36e-03	-1.05e-03	-6.93e-03	7.70
		7.70	-6.93e-03	-4.42e-06	0.0	51.4	-18.78	-0.62	7.36e-03	-1.05e-03	-6.38e-04	9.37
119	172	4.23	0.01	6.22e-05	-7.96	0.0	10.01	2.04	0.02	-0.03	8.40e-04	4.09
		3.13	8.40e-04	2.00e-04	0.0	51.4	10.01	-5.92	0.02	-0.03	0.01	3.13
119	175	7.93	-5.57e-03	-5.05e-05	-7.96	0.0	-12.00	7.03	-0.02	0.03	-5.57e-03	6.36
		6.36	-0.02	-1.99e-04	0.0	51.4	-12.00	-0.93	-0.02	0.03	-0.02	7.89
119	197	2.92	2.10e-03	5.73e-05	-7.96	0.0	16.46	1.79	-1.87e-03	5.19e-03	2.10e-03	2.80
		1.74	-1.34e-03	4.23e-06	0.0	51.4	16.46	-6.18	-1.87e-03	5.19e-03	-1.34e-03	1.74
119	198	9.31	-5.30e-04	-4.73e-05	-7.96	0.0	-18.45	7.29	7.44e-03	-8.49e-04	-6.82e-03	7.65
		7.65	-6.82e-03	-2.54e-06	0.0	51.4	-18.45	-0.68	7.44e-03	-8.49e-04	-5.30e-04	9.29
119	204	4.03	0.02	7.16e-05	-7.96	0.0	11.76	1.64	0.03	-0.03	1.34e-03	3.93
		2.77	1.34e-03	2.38e-04	0.0	51.4	11.76	-6.33	0.03	-0.03	0.02	2.77
119	207	8.26	-6.06e-03	-5.88e-05	-7.96	0.0	-13.75	7.44	-0.02	0.04	-6.06e-03	6.52
		6.52	-0.02	-2.36e-04	0.0	51.4	-13.75	-0.53	-0.02	0.04	-0.02	8.25
119	229	2.49	2.81e-03	6.54e-05	-7.96	0.0	19.26	1.34	-2.75e-03	5.67e-03	2.81e-03	2.42
		1.14	-1.49e-03	3.43e-06	0.0	51.4	19.26	-6.62	-2.75e-03	5.67e-03	-1.49e-03	1.14
119	230	9.89	-3.76e-04	-5.42e-05	-7.96	0.0	-21.25	7.73	8.31e-03	-1.34e-03	-7.54e-03	8.03
		8.03	-7.54e-03	-1.74e-06	0.0	51.4	-21.25	-0.23	8.31e-03	-1.34e-03	-3.76e-04	9.88
120	4	10.37	-9.76e-04	1.68e-04	-15.03	0.0	-3.34	1.55	-0.03	3.37e-03	-9.76e-04	10.33

		7.26	-0.02	1.64e-06	0.0	51.4	-3.34	-13.49	-0.03	3.37e-03	-0.02	7.26
120	17	8.75	-6.88e-04	1.39e-04	-12.36	0.0	-4.39	1.38	-0.03	2.90e-03	-6.88e-04	8.71
		6.24	-0.02	1.33e-06	0.0	51.4	-4.39	-10.98	-0.03	2.90e-03	-0.02	6.24
120	21	7.12	-3.90e-04	1.12e-04	-10.25	0.0	-4.00	1.28	-0.02	2.23e-03	-3.90e-04	7.08
		5.10	-0.01	1.11e-06	0.0	51.4	-4.00	-8.97	-0.02	2.23e-03	-0.01	5.10
120	45	2.99	-1.47e-03	5.51e-05	-4.00	0.0	1.25	-0.14	-7.78e-03	2.03e-03	-1.47e-03	2.99
		1.89	-5.47e-03	0.0	0.0	51.4	1.25	-4.14	-7.78e-03	2.03e-03	-5.47e-03	1.89
120	46	3.50	-1.55e-03	6.30e-05	-4.00	0.0	1.26	-0.40	-9.39e-03	2.24e-03	-1.55e-03	3.50
		2.27	-6.37e-03	0.0	0.0	51.4	1.26	-4.39	-9.39e-03	2.24e-03	-6.37e-03	2.27
120	68	7.24	-7.70e-04	1.18e-04	-10.34	0.0	-2.36	1.01	-0.02	2.46e-03	-7.70e-04	7.22
		5.08	-0.01	1.11e-06	0.0	51.4	-2.36	-9.34	-0.02	2.46e-03	-0.01	5.08
120	74	6.16	-5.77e-04	9.78e-05	-8.56	0.0	-3.06	0.90	-0.02	2.15e-03	-5.77e-04	6.14
		4.40	-0.01	0.0	0.0	51.4	-3.06	-7.66	-0.02	2.15e-03	-0.01	4.40
120	85	3.42	-1.30e-03	6.00e-05	-4.39	0.0	0.44	-0.05	-9.85e-03	2.02e-03	-1.30e-03	3.42
		2.26	-6.36e-03	0.0	0.0	51.4	0.44	-4.44	-9.85e-03	2.02e-03	-6.36e-03	2.26
120	86	3.75	-1.35e-03	6.53e-05	-4.39	0.0	0.44	-0.22	-0.01	2.16e-03	-1.35e-03	3.75
		2.51	-6.96e-03	0.0	0.0	51.4	0.44	-4.61	-0.01	2.16e-03	-6.96e-03	2.51
120	98	5.82	-9.33e-04	9.65e-05	-8.56	0.0	-1.23	0.80	-0.02	2.22e-03	-9.33e-04	5.80
		4.01	-0.01	0.0	0.0	51.4	-1.23	-7.76	-0.02	2.22e-03	-0.01	4.01
120	103	5.59	-8.62e-04	9.17e-05	-7.96	0.0	-1.59	0.71	-0.02	2.16e-03	-8.62e-04	5.58
		3.90	-0.01	0.0	0.0	51.4	-1.59	-7.25	-0.02	2.16e-03	-0.01	3.90
120	104	3.69	-1.01e-03	6.11e-05	-4.39	0.0	-0.82	0.03	-0.01	1.90e-03	-1.01e-03	3.69
		2.58	-7.17e-03	0.0	0.0	51.4	-0.82	-4.36	-0.01	1.90e-03	-7.17e-03	2.58
120	106	3.76	-9.35e-04	6.14e-05	-4.39	0.0	-1.14	0.05	-0.01	1.88e-03	-9.35e-04	3.76
		2.66	-7.38e-03	0.0	0.0	51.4	-1.14	-4.34	-0.01	1.88e-03	-7.38e-03	2.66
120	107	5.53	-9.33e-04	9.15e-05	-7.96	0.0	-1.22	0.69	-0.02	2.17e-03	-9.33e-04	5.51
		3.82	-9.90e-03	0.0	0.0	51.4	-1.22	-7.27	-0.02	2.17e-03	-9.90e-03	3.82
120	117	3.33	0.02	1.28e-04	-7.96	0.0	8.92	-2.43	0.01	-0.01	7.03e-03	3.33
		0.04	7.03e-02	2.13e-04	0.0	51.4	8.92	-10.40	0.01	-0.01	0.02	0.04
120	118	8.16	-8.89e-03	5.47e-05	-7.96	0.0	-11.37	3.82	-0.05	0.02	-8.89e-03	7.70
		7.60	-0.04	-2.11e-04	0.0	51.4	-11.37	-4.15	-0.05	0.02	-0.04	7.60
120	133	2.08	-1.18e-03	1.35e-04	-7.96	0.0	19.93	-4.22	2.26e-04	5.06e-03	-1.18e-03	2.08
		-2.14	-0.01	4.73e-06	0.0	51.4	19.93	-12.18	2.26e-04	5.06e-03	-0.01	-2.14
120	134	9.96	-6.87e-04	4.79e-05	-7.96	0.0	-22.37	5.60	-0.04	-7.21e-04	-6.87e-04	8.95
		8.95	-8.74e-03	-3.12e-06	0.0	51.4	-22.37	-2.36	-0.04	-7.21e-04	-8.74e-03	9.78
120	149	3.07	0.02	1.33e-04	-7.96	0.0	10.11	-2.81	0.02	-0.01	8.08e-03	3.07
		-0.41	8.08e-03	2.42e-04	0.0	51.4	10.11	-10.78	0.02	-0.01	0.02	-0.41
120	150	8.52	-9.95e-03	5.00e-05	-7.96	0.0	-12.55	4.20	-0.05	0.02	-9.95e-03	7.95
		7.95	-0.04	-2.40e-04	0.0	51.4	-12.55	-3.77	-0.05	0.02	-0.04	8.05
120	165	1.65	-1.23e-03	1.40e-04	-7.96	0.0	22.57	-4.83	2.47e-03	5.39e-03	-1.23e-03	1.65
		-2.88	-0.01	4.84e-06	0.0	51.4	22.57	-12.80	2.47e-03	5.39e-03	-0.01	-2.88
120	166	10.62	-6.38e-04	4.25e-05	-7.96	0.0	-25.01	6.22	-0.04	-1.05e-03	-6.38e-04	9.37
		9.37	-8.56e-03	-3.24e-06	0.0	51.4	-25.01	-1.75	-0.04	-1.05e-03	-8.56e-03	10.52
120	181	3.26	0.02	1.33e-04	-7.96	0.0	9.10	-2.60	0.02	-0.01	8.43e-03	3.26
		-0.12	8.43e-03	2.58e-04	0.0	51.4	9.10	-10.57	0.02	-0.01	0.02	-0.12
120	182	8.27	-0.01	4.99e-05	-7.96	0.0	-11.54	3.99	-0.05	0.02	-0.01	7.76
		7.76	-0.04	-2.56e-04	0.0	51.4	-11.54	-3.98	-0.05	0.02	-0.04	7.76
120	197	1.74	-1.34e-03	1.40e-04	-7.96	0.0	22.10	-4.72	2.40e-03	5.19e-03	-1.34e-03	1.74
		-2.73	-0.01	2.88e-06	0.0	51.4	22.10	-12.68	2.40e-03	5.19e-03	-0.01	-2.73
120	198	10.48	-5.30e-04	4.34e-05	-7.96	0.0	-24.54	6.10	-0.04	-8.49e-04	-5.30e-04	9.29
		9.29	-8.38e-03	-1.28e-06	0.0	51.4	-24.54	-1.86	-0.04	-8.49e-04	-8.38e-03	10.37
120	213	2.92	0.03	1.41e-04	-7.96	0.0	10.50	-3.13	0.03	-0.01	0.01	2.92
		-0.72	0.01	3.15e-04	0.0	51.4	10.50	-11.10	0.03	-0.01	0.03	-0.72
120	214	8.75	-0.01	4.17e-05	-7.96	0.0	-12.94	4.51	-0.06	0.02	-0.01	8.10
		8.10	-0.05	-3.13e-04	0.0	51.4	-12.94	-3.45	-0.06	0.02	-0.05	8.36
120	229	1.14	-1.49e-03	1.47e-04	-7.96	0.0	25.81	-5.58	5.92e-03	5.67e-03	-1.49e-03	1.14
		-3.77	-0.01	1.77e-06	0.0	51.4	25.81	-13.54	5.92e-03	5.67e-03	-0.01	-3.77
120	230	11.44	-3.76e-04	3.56e-05	-7.96	0.0	-28.25	6.96	-0.04	-1.34e-03	-3.76e-04	9.88
		9.88	-7.97e-03	0.0	0.0	51.4	-28.25	-1.00	-0.04	-1.34e-03	-7.97e-03	11.41
121	4	7.26	-0.02	3.83e-04	-15.03	0.0	-7.31	-13.82	-0.06	3.37e-03	-0.02	7.26
		-3.71	-0.05	0.0	0.0	51.4	-7.31	-28.86	-0.06	3.37e-03	-0.05	-3.71
121	18	6.62	-0.02	3.41e-04	-12.36	0.0	-8.63	-12.75	-0.06	3.11e-03	-0.02	6.62
		-3.11	-0.05	0.0	0.0	51.4	-8.63	-25.11	-0.06	3.11e-03	-0.05	-3.11
121	28	6.56	-0.02	3.61e-04	-15.03	0.0	-2.16	-12.54	-0.04	3.56e-03	-0.02	6.56
		-3.75	-0.04	0.0	0.0	51.4	-2.16	-27.57	-0.04	3.56e-03	-0.04	-3.75
121	45	1.89	-5.47e-03	1.09e-04	-4.00	0.0	2.01	-3.94	-6.80e-03	2.03e-03	-5.47e-03	1.89
		-1.16	-8.97e-03	0.0	0.0	51.4	2.01	-7.94	-6.80e-03	2.03e-03	-8.97e-03	-1.16
121	68	5.08	-0.01	2.68e-04	-10.34	0.0	-5.10	-9.71	-0.04	2.46e-03	-0.01	5.08
		-2.57	-0.03	0.0	0.0	51.4	-5.10	-20.06	-0.04	2.46e-03	-0.03	-2.57
121	75	4.65	-0.01	2.39e-04	-8.56	0.0	-5.98	-9.00	-0.04	2.29e-03	-0.01	4.65
		-2.17	-0.03	0.0	0.0	51.4	-5.98	-17.56	-0.04	2.29e-03	-0.03	-2.17
121	80	4.61	-0.01	2.53e-04	-10.34	0.0	-1.67	-8.86	-0.03	2.59e-03	-0.01	4.61
		-2.60	-0.03	0.0	0.0	51.4	-1.67	-19.20	-0.03	2.59e-03	-0.03	-2.60
121	85	2.26	-6.36e-03	1.25e-04	-4.39	0.0	0.54	-4.63	-0.01	2.02e-03	-6.36e-03	2.26
		-1.25	-0.01	0.0	0.0	51.4	0.54	-9.02	-0.01	2.02e-03	-0.01	-1.25

121	98	4.01	-0.01	2.15e-04	-8.56	0.0	-2.92	-7.68	-0.03	2.22e-03	-0.01	4.01
		-2.13	-0.03	0.0	0.0	51.4	-2.92	-16.24	-0.03	2.22e-03	-0.03	-2.13
121	103	3.90	-0.01	2.07e-04	-7.96	0.0	-3.41	-7.49	-0.03	2.16e-03	-0.01	3.90
		-2.00	-0.03	0.0	0.0	51.4	-3.41	-15.45	-0.03	2.16e-03	-0.03	-2.00
121	104	2.58	-7.17e-03	1.35e-04	-4.39	0.0	-1.65	-5.21	-0.02	1.90e-03	-7.17e-03	2.58
		-1.23	-0.02	0.0	0.0	51.4	-1.65	-9.60	-0.02	1.90e-03	-0.02	-1.23
121	106	2.66	-7.38e-03	1.38e-04	-4.39	0.0	-2.19	-5.36	-0.02	1.88e-03	-7.38e-03	2.66
		-1.23	-0.02	0.0	0.0	51.4	-2.19	-9.75	-0.02	1.88e-03	-0.02	-1.23
121	107	3.82	-9.90e-03	2.04e-04	-7.96	0.0	-2.82	-7.35	-0.03	2.17e-03	-9.90e-03	3.82
		-2.00	-0.03	0.0	0.0	51.4	-2.82	-15.31	-0.03	2.17e-03	-0.03	-2.00
121	112	0.82	0.11	2.29e-04	-7.96	0.0	1.13	-14.73	0.20	-0.03	0.01	0.82
		-8.33	0.01	2.14e-04	0.0	51.4	1.13	-22.69	0.20	-0.03	0.11	-8.33
121	117	0.04	0.18	2.03e-04	-7.96	0.0	15.07	-11.52	0.33	-0.01	0.02	0.04
		-6.07	0.02	2.17e-04	0.0	51.4	15.07	-19.48	0.33	-0.01	0.18	-6.07
121	118	7.60	-0.04	2.06e-04	-7.96	0.0	-20.70	-3.18	-0.39	0.02	-0.04	7.60
		2.06	-0.23	-2.17e-04	0.0	51.4	-20.70	-11.15	-0.39	0.02	-0.23	2.06
121	133	-1.24	0.10	1.06e-04	-7.96	0.0	29.53	-2.69	0.19	5.06e-03	-0.01	-2.14
		-2.14	-0.01	2.81e-06	0.0	51.4	29.53	-10.65	0.19	5.06e-03	0.10	-1.47
121	134	9.78	-8.74e-03	3.02e-04	-7.96	0.0	-35.16	-12.01	-0.25	-7.21e-04	-8.74e-03	9.78
		-2.54	-0.15	-3.08e-06	0.0	51.4	-35.16	-19.98	-0.25	-7.21e-04	-0.15	-2.54
121	144	0.45	0.12	2.32e-04	-7.96	0.0	1.62	-15.66	0.22	-0.03	0.02	0.45
		-9.13	0.02	2.41e-04	0.0	51.4	1.62	-23.63	0.22	-0.03	0.12	-9.13
121	149	-0.41	0.21	2.04e-04	-7.96	0.0	17.27	-12.07	0.37	-0.01	0.02	-0.41
		-6.60	0.02	2.47e-04	0.0	51.4	17.27	-20.03	0.37	-0.01	0.21	-6.60
121	150	8.05	-0.04	2.04e-04	-7.96	0.0	-22.90	-2.63	-0.43	0.02	-0.04	8.05
		2.59	-0.26	-2.47e-04	0.0	51.4	-22.90	-10.60	-0.43	0.02	-0.26	2.59
121	165	-1.36	0.12	9.41e-05	-7.96	0.0	33.58	-2.10	0.22	5.39e-03	-0.01	-2.88
		-2.88	-0.01	2.79e-06	0.0	51.4	33.58	-10.06	0.22	5.39e-03	0.12	-1.40
121	166	10.52	-8.56e-03	3.14e-04	-7.96	0.0	-39.22	-12.60	-0.28	-1.05e-03	-8.56e-03	10.52
		-2.61	-0.17	-3.06e-06	0.0	51.4	-39.22	-20.57	-0.28	-1.05e-03	-0.17	-2.61
121	176	0.62	0.12	2.38e-04	-7.96	0.0	0.96	-15.57	0.22	-0.03	0.02	0.62
		-9.10	0.02	2.47e-04	0.0	51.4	0.96	-23.54	0.22	-0.03	0.12	-9.10
121	181	-0.12	0.21	2.18e-04	-7.96	0.0	16.53	-12.23	0.37	-0.01	0.02	-0.12
		-6.72	0.02	2.62e-04	0.0	51.4	16.53	-20.19	0.37	-0.01	0.21	-6.72
121	182	7.76	-0.04	1.91e-04	-7.96	0.0	-22.17	-2.47	-0.43	0.02	-0.04	7.76
		2.71	-0.26	-2.62e-04	0.0	51.4	-22.17	-10.44	-0.43	0.02	-0.26	2.71
121	197	-1.35	0.11	9.75e-05	-7.96	0.0	33.06	-2.08	0.21	5.19e-03	-0.01	-2.73
		-2.73	-0.01	0.0	0.0	51.4	33.06	-10.04	0.21	5.19e-03	0.11	-1.42
121	198	10.37	-8.38e-03	3.11e-04	-7.96	0.0	-38.69	-12.62	-0.27	-8.49e-04	-8.38e-03	10.37
		-2.59	-0.16	-1.03e-06	0.0	51.4	-38.69	-20.58	-0.27	-8.49e-04	-0.16	-2.59
121	208	0.14	0.14	2.47e-04	-7.96	0.0	1.29	-16.97	0.25	-0.03	0.02	0.14
		-10.33	0.02	2.94e-04	0.0	51.4	1.29	-24.93	0.25	-0.03	0.14	-10.33
121	213	-0.72	0.25	2.27e-04	-7.96	0.0	19.76	-13.29	0.45	-0.01	0.03	-0.72
		-7.71	0.03	3.20e-04	0.0	51.4	19.76	-21.25	0.45	-0.01	0.25	-7.71
121	214	8.36	-0.05	1.81e-04	-7.96	0.0	-25.40	-1.41	-0.51	0.02	-0.05	8.36
		3.70	-0.30	-3.20e-04	0.0	51.4	-25.40	-9.37	-0.51	0.02	-0.30	3.70
121	229	-1.32	0.13	8.15e-05	-7.96	0.0	38.92	-1.17	0.25	5.67e-03	-0.01	-3.77
		-3.77	-0.01	-1.16e-06	0.0	51.4	38.92	-9.13	0.25	5.67e-03	0.13	-1.32
121	230	11.41	-7.97e-03	3.27e-04	-7.96	0.0	-44.55	-13.53	-0.31	-1.34e-03	-7.97e-03	11.41
		-2.69	-0.18	1.40e-06	0.0	51.4	-44.55	-21.49	-0.31	-1.34e-03	-0.18	-2.69
122	4	8.22	1.76e-03	-5.81e-04	-29.93	0.0	-3.08	57.16	-3.25e-03	3.79e-03	1.76e-03	-13.50
		-13.50	8.13e-05	0.0	0.0	51.5	-3.08	27.23	-3.25e-03	3.79e-03	8.13e-05	8.22
122	19	2.77	1.81e-03	-1.84e-04	-7.80	0.0	-1.25	17.09	-3.12e-03	2.06e-03	1.81e-03	-4.02
		-4.02	2.05e-04	0.0	0.0	51.5	-1.25	9.29	-3.12e-03	2.06e-03	2.05e-04	2.77
122	21	5.49	2.55e-03	-3.80e-04	-20.37	0.0	-1.95	37.57	-4.45e-03	2.47e-03	2.55e-03	-8.61
		-8.61	2.63e-04	0.0	0.0	51.5	-1.95	17.20	-4.45e-03	2.47e-03	2.63e-04	5.49
122	28	7.92	-3.78e-04	-5.82e-04	-29.93	0.0	-3.92	57.65	1.73e-03	3.99e-03	-1.27e-03	-14.05
		-14.05	-1.27e-03	0.0	0.0	51.5	-3.92	27.72	1.73e-03	3.99e-03	-3.78e-04	7.92
122	42	3.94	-6.16e-04	-3.01e-04	-11.98	0.0	-3.36	28.56	5.30e-03	3.44e-03	-3.34e-03	-7.68
		-7.68	-3.34e-03	0.0	0.0	51.5	-3.36	16.58	5.30e-03	3.44e-03	-6.16e-04	3.94
122	44	6.65	-5.58e-04	-4.98e-04	-24.54	0.0	-4.06	49.04	3.97e-03	3.85e-03	-2.60e-03	-12.27
		-12.27	-2.60e-03	0.0	0.0	51.5	-4.06	24.49	3.97e-03	3.85e-03	-5.58e-04	6.65
122	68	5.70	1.06e-03	-4.04e-04	-20.57	0.0	-2.22	39.63	-2.00e-03	2.81e-03	1.06e-03	-9.40
		-9.40	3.07e-05	0.0	0.0	51.5	-2.22	19.06	-2.00e-03	2.81e-03	3.07e-05	5.70
122	72	2.90	1.02e-03	-1.99e-04	-8.60	0.0	-1.42	18.74	-1.83e-03	2.19e-03	1.02e-03	-4.53
		-4.53	8.19e-05	0.0	0.0	51.5	-1.42	10.14	-1.83e-03	2.19e-03	8.19e-05	2.90
122	74	4.71	1.52e-03	-3.30e-04	-16.98	0.0	-1.88	32.39	-2.71e-03	2.47e-03	1.52e-03	-7.59
		-7.59	1.20e-04	0.0	0.0	51.5	-1.88	15.42	-2.71e-03	2.47e-03	1.20e-04	4.71
122	80	5.50	-2.75e-04	-4.04e-04	-20.57	0.0	-2.78	39.95	1.32e-03	2.94e-03	-9.57e-04	-9.77
		-9.77	-9.57e-04	0.0	0.0	51.5	-2.78	19.38	1.32e-03	2.94e-03	-2.75e-04	5.50
122	86	2.84	-4.34e-04	-2.17e-04	-8.60	0.0	-2.41	20.56	3.70e-03	2.57e-03	-2.34e-03	-5.53
		-5.53	-2.34e-03	0.0	0.0	51.5	-2.41	11.96	3.70e-03	2.57e-03	-4.34e-04	2.84
122	88	4.66	-3.96e-04	-3.48e-04	-16.98	0.0	-2.88	34.21	2.82e-03	2.84e-03	-1.85e-03	-8.58
		-8.58	-1.85e-03	0.0	0.0	51.5	-2.88	17.24	2.82e-03	2.84e-03	-3.96e-04	4.66
122	98	4.55	-1.30e-04	-3.31e-04	-16.98	0.0	-2.08	32.66	3.23e-05	2.63e-03	-1.47e-04	-7.88

		-7.88	-1.47e-04	0.0	0.0	51.5	-2.08	15.68	3.23e-05	2.63e-03	-1.30e-04	4.55
122	102	2.77	-1.18e-04	-2.00e-04	-8.60	0.0	-1.58	18.95	3.67e-04	2.32e-03	-3.07e-04	-4.77
		-4.77	-3.07e-04	0.0	0.0	51.5	-1.58	10.35	3.67e-04	2.32e-03	-1.18e-04	2.77
122	103	4.33	1.15e-04	-3.12e-04	-15.78	0.0	-1.98	30.65	-3.90e-04	2.56e-03	1.15e-04	-7.39
		-7.39	-8.56e-05	0.0	0.0	51.5	-1.98	14.87	-3.90e-04	2.56e-03	-8.56e-05	4.33
122	104	2.71	-2.20e-04	-2.00e-04	-8.60	0.0	-1.77	19.06	1.47e-03	2.37e-03	-9.80e-04	-4.89
		-4.89	-9.80e-04	0.0	0.0	51.5	-1.77	10.46	1.47e-03	2.37e-03	-2.20e-04	2.71
122	105	4.26	-1.88e-04	-3.12e-04	-15.78	0.0	-2.16	30.76	7.17e-04	2.60e-03	-5.57e-04	-7.51
		-7.51	-5.57e-04	0.0	0.0	51.5	-2.16	14.98	7.17e-04	2.60e-03	-1.88e-04	4.26
122	106	2.74	-1.68e-04	-2.00e-04	-8.60	0.0	-1.62	19.00	9.16e-04	2.36e-03	-6.40e-04	-4.83
		-4.83	-6.40e-04	0.0	0.0	51.5	-1.62	10.40	9.16e-04	2.36e-03	-1.68e-04	2.74
122	107	4.29	-1.36e-04	-3.12e-04	-15.78	0.0	-2.02	30.70	1.59e-04	2.59e-03	-2.17e-04	-7.45
		-7.45	-2.17e-04	0.0	0.0	51.5	-2.02	14.92	1.59e-04	2.59e-03	-1.36e-04	4.29
122	108	4.98	0.68	-3.21e-04	-15.78	0.0	0.51	30.93	-1.26	-0.02	0.68	-7.33
		-7.33	0.03	-5.23e-04	0.0	51.5	0.51	15.15	-1.26	-0.02	0.03	4.98
122	111	3.60	-0.03	-3.03e-04	-15.78	0.0	-4.54	30.48	1.26	0.03	-0.68	-7.56
		-7.56	-0.68	5.23e-04	0.0	51.5	-4.54	14.70	1.26	0.03	-0.03	3.60
122	124	5.24	0.43	-3.00e-04	-15.78	0.0	2.21	28.27	-0.80	-0.02	0.43	-5.40
		-5.40	0.02	-2.29e-03	0.0	51.5	2.21	12.49	-0.80	-0.02	0.02	5.24
122	132	5.22	0.42	-2.88e-04	-15.78	0.0	2.24	27.53	-0.78	7.20e-03	0.42	-5.04
		-5.04	0.02	2.43e-03	0.0	51.5	2.24	11.75	-0.78	7.20e-03	0.02	5.22
122	135	3.37	-0.02	-3.36e-04	-15.78	0.0	-6.28	33.88	0.78	-2.02e-03	-0.42	-9.86
		-9.86	-0.42	-2.43e-03	0.0	51.5	-6.28	18.10	0.78	-2.02e-03	-0.02	3.37
122	139	3.40	-0.02	-3.38e-04	-15.78	0.0	-6.27	33.97	0.72	-3.11e-03	-0.39	-10.19
		-10.19	-0.39	-2.43e-03	0.0	51.5	-6.27	18.19	0.72	-3.11e-03	-0.02	3.40
122	140	5.07	0.77	-3.22e-04	-15.78	0.0	0.82	30.95	-1.42	-0.03	0.77	-7.32
		-7.32	0.03	-5.88e-04	0.0	51.5	0.82	15.17	-1.42	-0.03	0.03	5.07
122	143	3.52	-0.03	-3.02e-04	-15.78	0.0	-4.86	30.46	1.42	0.03	-0.77	-7.58
		-7.58	-0.77	5.88e-04	0.0	51.5	-4.86	14.68	1.42	0.03	-0.03	3.52
122	156	5.35	0.48	-2.99e-04	-15.78	0.0	2.73	27.97	-0.90	-0.02	0.48	-5.15
		-5.15	0.02	-2.58e-03	0.0	51.5	2.73	12.19	-0.90	-0.02	0.02	5.35
122	164	5.33	0.47	-2.85e-04	-15.78	0.0	2.77	27.13	-0.88	7.76e-03	0.47	-4.74
		-4.74	0.02	2.73e-03	0.0	51.5	2.77	11.35	-0.88	7.76e-03	0.02	5.33
122	165	3.55	-2.53e-03	-3.48e-04	-15.78	0.0	-5.88	34.98	0.12	-0.02	-0.06	-10.53
		-10.53	-0.06	-2.61e-03	0.0	51.5	-5.88	19.20	0.12	-0.02	-2.53e-03	3.55
122	167	3.25	-0.02	-3.39e-04	-15.78	0.0	-6.81	34.28	0.88	-2.58e-03	-0.47	-10.16
		-10.16	-0.47	-2.73e-03	0.0	51.5	-6.81	18.50	0.88	-2.58e-03	-0.02	3.25
122	172	5.03	0.76	-3.21e-04	-15.78	0.0	0.79	30.84	-1.41	-0.02	0.76	-7.30
		-7.30	0.03	-5.74e-04	0.0	51.5	0.79	15.05	-1.41	-0.02	0.03	5.03
122	175	3.56	-0.03	-3.03e-04	-15.78	0.0	-4.83	30.57	1.41	0.03	-0.76	-7.60
		-7.60	-0.76	5.74e-04	0.0	51.5	-4.83	14.79	1.41	0.03	-0.03	3.56
122	188	5.33	0.48	-2.99e-04	-15.78	0.0	2.65	28.00	-0.89	-0.02	0.48	-5.19
		-5.19	0.02	-2.55e-03	0.0	51.5	2.65	12.21	-0.89	-0.02	0.02	5.33
122	200	5.29	0.44	-2.83e-04	-15.78	0.0	2.73	27.05	-0.81	9.03e-03	0.44	-4.41
		-4.41	0.02	2.72e-03	0.0	51.5	2.73	11.27	-0.81	9.03e-03	0.02	5.29
122	203	3.30	-0.02	-3.41e-04	-15.78	0.0	-6.77	34.35	0.81	-3.84e-03	-0.44	-10.49
		-10.49	-0.44	-2.72e-03	0.0	51.5	-6.77	18.57	0.81	-3.84e-03	-0.02	3.30
122	204	5.15	0.89	-3.23e-04	-15.78	0.0	1.27	30.83	-1.65	-0.03	0.89	-7.26
		-7.26	0.04	-6.66e-04	0.0	51.5	1.27	15.05	-1.65	-0.03	0.04	5.15
122	207	3.44	-0.04	-3.01e-04	-15.78	0.0	-5.30	30.58	1.65	0.03	-0.89	-7.63
		-7.63	-0.89	6.66e-04	0.0	51.5	-5.30	14.80	1.65	0.03	-0.04	3.44
122	220	5.49	0.56	-2.97e-04	-15.78	0.0	3.40	27.55	-1.04	-0.02	0.56	-4.82
		-4.82	0.03	-2.98e-03	0.0	51.5	3.40	11.77	-1.04	-0.02	0.03	5.49
122	232	5.46	0.52	-2.79e-04	-15.78	0.0	3.54	26.45	-0.96	0.01	0.52	-3.91
		-3.91	0.02	3.18e-03	0.0	51.5	3.54	10.67	-0.96	0.01	0.02	5.46
122	235	3.13	-0.02	-3.45e-04	-15.78	0.0	-7.57	34.96	0.96	-4.88e-03	-0.52	-10.99
		-10.99	-0.52	-3.18e-03	0.0	51.5	-7.57	19.17	0.96	-4.88e-03	-0.02	3.13
123	4	15.28	8.13e-05	-2.23e-04	-29.99	0.0	0.35	28.68	-3.95e-03	3.79e-03	8.13e-05	8.22
		8.22	-1.96e-03	0.0	0.0	51.5	0.35	-1.30	-3.95e-03	3.79e-03	-1.96e-03	15.27
123	19	5.04	2.05e-04	-7.20e-05	-7.82	0.0	-0.76	8.33	-1.96e-03	2.06e-03	2.05e-04	2.77
		2.77	-8.02e-04	0.0	0.0	51.5	-0.76	0.51	-1.96e-03	2.06e-03	-8.02e-04	5.04
123	21	10.09	2.63e-04	-1.46e-04	-20.41	0.0	-0.21	19.11	-3.36e-03	2.47e-03	2.63e-04	5.49
		5.49	-1.47e-03	0.0	0.0	51.5	-0.21	-1.30	-3.36e-03	2.47e-03	-1.47e-03	10.07
123	45	4.64	-2.49e-04	-7.11e-05	-7.82	0.0	-0.50	8.51	6.04e-04	2.39e-03	-5.60e-04	2.27
		2.27	-5.60e-04	0.0	0.0	51.5	-0.50	0.69	6.04e-04	2.39e-03	-2.49e-04	4.64
123	52	15.16	-1.44e-04	-2.22e-04	-29.99	0.0	0.68	28.74	-3.17e-03	3.94e-03	-1.44e-04	8.07
		8.07	-1.78e-03	0.0	0.0	51.5	0.68	-1.25	-3.17e-03	3.94e-03	-1.78e-03	15.15
123	68	10.61	3.07e-05	-1.55e-04	-20.61	0.0	0.19	19.84	-2.67e-03	2.81e-03	3.07e-05	5.70
		5.70	-1.34e-03	0.0	0.0	51.5	0.19	-0.77	-2.67e-03	2.81e-03	-1.34e-03	10.61
123	72	5.38	8.19e-05	-7.77e-05	-8.62	0.0	-0.54	9.12	-1.62e-03	2.19e-03	8.19e-05	2.90
		2.90	-7.54e-04	0.0	0.0	51.5	-0.54	0.50	-1.62e-03	2.19e-03	-7.54e-04	5.38
123	74	8.74	1.20e-04	-1.27e-04	-17.01	0.0	-0.18	16.30	-2.56e-03	2.47e-03	1.20e-04	4.71
		4.71	-1.20e-03	0.0	0.0	51.5	-0.18	-0.71	-2.56e-03	2.47e-03	-1.20e-03	8.73
123	85	5.11	-3.85e-04	-7.71e-05	-8.62	0.0	-0.37	9.24	8.45e-05	2.41e-03	-4.28e-04	2.57
		2.57	-4.28e-04	0.0	0.0	51.5	-0.37	0.62	8.45e-05	2.41e-03	-3.85e-04	5.11

123	92	10.53	-1.20e-04	-1.55e-04	-20.61	0.0	0.41	19.87	-2.15e-03	2.91e-03	-1.20e-04	5.60
		5.60	-1.23e-03	0.0	0.0	51.5	0.41	-0.73	-2.15e-03	2.91e-03	-1.23e-03	10.53
123	98	8.60	-1.30e-04	-1.27e-04	-17.01	0.0	0.19	16.36	-1.69e-03	2.63e-03	-1.30e-04	4.55
		4.55	-1.00e-03	0.0	0.0	51.5	0.19	-0.65	-1.69e-03	2.63e-03	-1.00e-03	8.60
123	102	5.27	-1.18e-04	-7.74e-05	-8.62	0.0	-0.25	9.16	-9.28e-04	2.32e-03	-1.18e-04	2.77
		2.77	-5.96e-04	0.0	0.0	51.5	-0.25	0.55	-9.28e-04	2.32e-03	-5.96e-04	5.27
123	103	8.15	-8.56e-05	-1.20e-04	-15.81	0.0	0.06	15.32	-1.73e-03	2.56e-03	-8.56e-05	4.33
		4.33	-9.78e-04	0.0	0.0	51.5	0.06	-0.49	-1.73e-03	2.56e-03	-9.78e-04	8.15
123	104	5.22	-2.20e-04	-7.72e-05	-8.62	0.0	-0.22	9.19	-5.86e-04	2.37e-03	-2.20e-04	2.71
		2.71	-5.22e-04	0.0	0.0	51.5	-0.22	0.57	-5.86e-04	2.37e-03	-5.22e-04	5.22
123	106	5.25	-1.68e-04	-7.73e-05	-8.62	0.0	-0.18	9.18	-7.54e-04	2.36e-03	-1.68e-04	2.74
		2.74	-5.57e-04	0.0	0.0	51.5	-0.18	0.56	-7.54e-04	2.36e-03	-5.57e-04	5.25
123	107	8.12	-1.36e-04	-1.20e-04	-15.81	0.0	0.14	15.33	-1.56e-03	2.59e-03	-1.36e-04	4.29
		4.29	-9.38e-04	0.0	0.0	51.5	0.14	-0.48	-1.56e-03	2.59e-03	-9.38e-04	8.12
123	108	8.90	0.03	-1.32e-04	-15.81	0.0	0.17	15.66	-0.09	-0.02	0.03	4.98
		4.98	-0.01	1.71e-04	0.0	51.5	0.17	-0.15	-0.09	-0.02	-0.01	8.90
123	111	7.34	0.01	-1.08e-04	-15.81	0.0	0.10	15.00	0.08	0.03	-0.03	3.60
		3.60	-0.03	-1.71e-04	0.0	51.5	0.10	-0.81	0.08	0.03	0.01	7.33
123	127	7.47	7.95e-03	-1.18e-04	-15.81	0.0	1.57	15.94	0.05	0.02	-0.02	3.35
		3.35	-0.02	-7.42e-06	0.0	51.5	1.57	0.13	0.05	0.02	7.95e-03	7.47
123	133	8.05	-7.97e-04	-1.35e-04	-15.81	0.0	2.32	16.69	2.69e-03	-0.02	-2.26e-03	3.64
		3.64	-2.26e-03	5.25e-06	0.0	51.5	2.32	0.88	2.69e-03	-0.02	-7.97e-04	8.05
123	134	8.22	1.99e-03	-1.05e-04	-15.81	0.0	-2.04	13.98	-5.81e-03	0.02	1.99e-03	4.95
		4.95	-1.08e-03	-5.05e-06	0.0	51.5	-2.04	-1.83	-5.81e-03	0.02	-1.08e-03	8.18
123	140	9.00	0.03	-1.33e-04	-15.81	0.0	0.18	15.70	-0.10	-0.03	0.03	5.07
		5.07	-0.02	1.93e-04	0.0	51.5	0.18	-0.11	-0.10	-0.03	-0.02	9.00
123	143	7.25	0.01	-1.06e-04	-15.81	0.0	0.10	14.96	0.09	0.03	-0.03	3.52
		3.52	-0.03	-1.93e-04	0.0	51.5	0.10	-0.85	0.09	0.03	0.01	7.24
123	159	7.39	9.07e-03	-1.18e-04	-15.81	0.0	1.74	16.02	0.06	0.02	-0.02	3.23
		3.23	-0.02	-8.02e-06	0.0	51.5	1.74	0.20	0.06	0.02	9.07e-03	7.39
123	165	8.05	-7.73e-04	-1.36e-04	-15.81	0.0	2.59	16.86	3.25e-03	-0.02	-2.53e-03	3.55
		3.55	-2.53e-03	5.54e-06	0.0	51.5	2.59	1.05	3.25e-03	-0.02	-7.73e-04	8.05
123	166	8.24	2.26e-03	-1.03e-04	-15.81	0.0	-2.31	13.81	-6.36e-03	0.02	2.26e-03	5.03
		5.03	-1.10e-03	-5.35e-06	0.0	51.5	-2.31	-2.00	-6.36e-03	0.02	-1.10e-03	8.19
123	172	8.95	0.03	-1.33e-04	-15.81	0.0	0.13	15.67	-0.10	-0.02	0.03	5.03
		5.03	-0.02	1.98e-04	0.0	51.5	0.13	-0.14	-0.10	-0.02	-0.02	8.95
123	175	7.29	0.01	-1.07e-04	-15.81	0.0	0.14	14.99	0.09	0.03	-0.03	3.56
		3.56	-0.03	-1.98e-04	0.0	51.5	0.14	-0.82	0.09	0.03	0.01	7.29
123	191	7.41	8.97e-03	-1.18e-04	-15.81	0.0	1.72	16.01	0.06	0.02	-0.02	3.26
		3.26	-0.02	-6.29e-06	0.0	51.5	1.72	0.19	0.06	0.02	8.97e-03	7.41
123	197	8.04	-7.43e-04	-1.36e-04	-15.81	0.0	2.53	16.83	3.36e-03	-0.02	-2.57e-03	3.55
		3.55	-2.57e-03	3.82e-06	0.0	51.5	2.53	1.02	3.36e-03	-0.02	-7.43e-04	8.04
123	198	8.25	2.30e-03	-1.04e-04	-15.81	0.0	-2.26	13.84	-6.48e-03	0.02	2.30e-03	5.03
		5.03	-1.13e-03	-3.62e-06	0.0	51.5	-2.26	-1.97	-6.48e-03	0.02	-1.13e-03	8.20
123	204	9.09	0.04	-1.35e-04	-15.81	0.0	0.12	15.72	-0.11	-0.03	0.04	5.15
		5.15	-0.02	2.36e-04	0.0	51.5	0.12	-0.09	-0.11	-0.03	-0.02	9.09
123	207	7.16	0.02	-1.04e-04	-15.81	0.0	0.15	14.94	0.11	0.03	-0.04	3.44
		3.44	-0.04	-2.36e-04	0.0	51.5	0.15	-0.87	0.11	0.03	0.02	7.15
123	223	7.30	0.01	-1.18e-04	-15.81	0.0	1.98	16.12	0.07	0.03	-0.03	3.10
		3.10	-0.03	-6.19e-06	0.0	51.5	1.98	0.30	0.07	0.03	0.01	7.30
123	229	8.02	-6.76e-04	-1.39e-04	-15.81	0.0	2.92	17.07	4.32e-03	-0.02	-3.01e-03	3.43
		3.43	-3.01e-03	3.22e-06	0.0	51.5	2.92	1.26	4.32e-03	-0.02	-6.76e-04	8.02
123	230	8.28	2.74e-03	-1.01e-04	-15.81	0.0	-2.65	13.60	-7.44e-03	0.02	2.74e-03	5.16
		5.16	-1.20e-03	-3.02e-06	0.0	51.5	-2.65	-2.21	-7.44e-03	0.02	-1.20e-03	8.22
124	4	17.00	2.82e-03	5.28e-05	-29.99	0.0	0.15	14.25	9.28e-03	3.79e-03	-1.96e-03	15.27
		14.88	-1.96e-03	0.0	0.0	51.5	0.15	-15.74	9.28e-03	3.79e-03	2.82e-03	14.88
124	15	8.16	1.64e-03	2.31e-05	-12.00	0.0	-1.15	5.88	5.25e-03	2.87e-03	-1.07e-03	7.42
		7.36	-1.07e-03	0.0	0.0	51.5	-1.15	-6.12	5.25e-03	2.87e-03	1.64e-03	7.36
124	32	14.13	1.95e-03	4.50e-05	-25.80	0.0	0.66	12.18	6.42e-03	3.18e-03	-1.36e-03	12.65
		12.28	-1.36e-03	0.0	0.0	51.5	0.66	-13.62	6.42e-03	3.18e-03	1.95e-03	12.28
124	45	5.11	4.49e-04	1.56e-05	-7.82	0.0	-0.30	3.78	1.35e-03	2.39e-03	-2.49e-04	4.64
		4.57	-2.49e-04	0.0	0.0	51.5	-0.30	-4.04	1.35e-03	2.39e-03	4.49e-04	4.57
124	68	11.81	1.96e-03	3.64e-05	-20.61	0.0	0.04	9.81	6.41e-03	2.81e-03	-1.34e-03	10.61
		10.36	-1.34e-03	0.0	0.0	51.5	0.04	-10.80	6.41e-03	2.81e-03	1.96e-03	10.36
124	72	5.91	1.16e-03	1.67e-05	-8.62	0.0	-0.83	4.23	3.72e-03	2.19e-03	-7.54e-04	5.38
		5.34	-7.54e-04	0.0	0.0	51.5	-0.83	-4.39	3.72e-03	2.19e-03	1.16e-03	5.34
124	80	11.64	1.64e-03	3.66e-05	-20.61	0.0	0.37	9.77	5.37e-03	2.94e-03	-1.12e-03	10.45
		10.18	-1.12e-03	0.0	0.0	51.5	0.37	-10.84	5.37e-03	2.94e-03	1.64e-03	10.18
124	85	5.63	6.42e-04	1.71e-05	-8.62	0.0	-0.27	4.16	1.99e-03	2.41e-03	-3.85e-04	5.11
		5.04	-3.85e-04	0.0	0.0	51.5	-0.27	-4.45	1.99e-03	2.41e-03	6.42e-04	5.04
124	98	9.59	1.47e-03	2.95e-05	-17.01	0.0	0.14	8.11	4.80e-03	2.63e-03	-1.00e-03	8.60
		8.39	-1.00e-03	0.0	0.0	51.5	0.14	-8.90	4.80e-03	2.63e-03	1.47e-03	8.39
124	102	5.80	9.46e-04	1.69e-05	-8.62	0.0	-0.38	4.20	2.99e-03	2.32e-03	-5.96e-04	5.27
		5.22	-5.96e-04	0.0	0.0	51.5	-0.38	-4.41	2.99e-03	2.32e-03	9.46e-04	5.22
124	104	5.74	8.41e-04	1.70e-05	-8.62	0.0	-0.27	4.19	2.65e-03	2.37e-03	-5.22e-04	5.22

		5.16	-5.22e-04	0.0	0.0	51.5	-0.27	-4.43	2.65e-03	2.37e-03	8.41e-04	5.16
124	106	5.77	8.91e-04	1.69e-05	-8.62	0.0	-0.27	4.20	2.81e-03	2.36e-03	-5.57e-04	5.25
		5.19	-5.57e-04	0.0	0.0	51.5	-0.27	-4.42	2.81e-03	2.36e-03	8.91e-04	5.19
124	107	9.05	1.39e-03	2.77e-05	-15.81	0.0	0.08	7.55	4.51e-03	2.59e-03	-9.38e-04	8.12
		7.94	-9.38e-04	0.0	0.0	51.5	0.08	-8.26	4.51e-03	2.59e-03	1.39e-03	7.94
124	108	9.81	9.94e-03	-2.18e-05	-15.81	0.0	-0.05	8.13	0.05	-0.02	-0.01	8.90
		8.69	-0.01	1.73e-04	0.0	51.5	-0.05	-7.69	0.05	-0.02	9.94e-03	8.69
124	110	8.32	8.83e-03	3.65e-05	-15.81	0.0	-1.50	6.78	-0.03	0.02	8.83e-03	7.61
		6.95	-4.89e-03	-2.03e-04	0.0	51.5	-1.50	-9.03	-0.03	0.02	-4.89e-03	6.95
124	111	8.28	0.01	3.63e-05	-15.81	0.0	0.21	6.98	-0.04	0.03	0.01	7.33
		7.18	-7.17e-03	-1.73e-04	0.0	51.5	0.21	-8.83	-0.04	0.03	-7.17e-03	7.18
124	133	9.31	1.32e-03	-2.17e-05	-15.81	0.0	3.78	8.46	4.13e-03	-0.02	-7.97e-04	8.05
		8.05	-7.97e-04	3.94e-06	0.0	51.5	3.78	-7.35	4.13e-03	-0.02	1.32e-03	8.50
124	134	8.83	1.46e-03	3.73e-05	-15.81	0.0	-3.62	6.64	4.89e-03	0.02	-1.08e-03	8.18
		7.37	-1.08e-03	-3.95e-06	0.0	51.5	-3.62	-9.17	4.89e-03	0.02	1.46e-03	7.37
124	140	9.91	0.01	-2.24e-05	-15.81	0.0	-0.07	8.20	0.05	-0.03	-0.02	9.00
		8.78	-0.02	1.95e-04	0.0	51.5	-0.07	-7.62	0.05	-0.03	0.01	8.78
124	142	8.23	0.01	3.77e-05	-15.81	0.0	-1.70	6.68	-0.03	0.02	0.01	7.55
		6.82	-5.69e-03	-2.29e-04	0.0	51.5	-1.70	-9.13	-0.03	0.02	-5.69e-03	6.82
124	143	8.18	0.01	3.74e-05	-15.81	0.0	0.23	6.91	-0.04	0.03	0.01	7.24
		7.09	-8.25e-03	-1.95e-04	0.0	51.5	0.23	-8.91	-0.04	0.03	-8.25e-03	7.09
124	165	9.34	1.30e-03	-2.23e-05	-15.81	0.0	4.24	8.58	4.06e-03	-0.02	-7.73e-04	8.05
		8.05	-7.73e-04	4.08e-06	0.0	51.5	4.24	-7.23	4.06e-03	-0.02	1.30e-03	8.57
124	166	8.81	1.47e-03	3.85e-05	-15.81	0.0	-4.08	6.53	4.97e-03	0.02	-1.10e-03	8.19
		7.30	-1.10e-03	-4.09e-06	0.0	51.5	-4.08	-9.29	4.97e-03	0.02	1.47e-03	7.30
124	172	9.87	0.01	-2.24e-05	-15.81	0.0	-0.12	8.17	0.05	-0.02	-0.02	8.95
		8.76	-0.02	2.00e-04	0.0	51.5	-0.12	-7.64	0.05	-0.02	0.01	8.76
124	174	8.27	0.01	3.79e-05	-15.81	0.0	-1.61	6.71	-0.03	0.02	0.01	7.59
		6.85	-5.65e-03	-2.36e-04	0.0	51.5	-1.61	-9.10	-0.03	0.02	-5.65e-03	6.85
124	175	8.22	0.01	3.76e-05	-15.81	0.0	0.28	6.93	-0.04	0.03	0.01	7.29
		7.11	-8.18e-03	-2.00e-04	0.0	51.5	0.28	-8.88	-0.04	0.03	-8.18e-03	7.11
124	197	9.33	1.26e-03	-2.22e-05	-15.81	0.0	4.17	8.55	3.93e-03	-0.02	-7.43e-04	8.04
		8.04	-7.43e-04	2.26e-06	0.0	51.5	4.17	-7.26	3.93e-03	-0.02	1.26e-03	8.56
124	198	8.82	1.51e-03	3.85e-05	-15.81	0.0	-4.01	6.55	5.10e-03	0.02	-1.13e-03	8.20
		7.31	-1.13e-03	-2.28e-06	0.0	51.5	-4.01	-9.26	5.10e-03	0.02	1.51e-03	7.31
124	204	10.01	0.01	-2.33e-05	-15.81	0.0	-0.18	8.27	0.06	-0.03	-0.02	9.09
		8.90	-0.02	2.37e-04	0.0	51.5	-0.18	-7.54	0.06	-0.03	0.01	8.90
124	206	8.14	0.01	3.97e-05	-15.81	0.0	-1.85	6.58	-0.04	0.02	0.01	7.50
		6.67	-6.88e-03	-2.81e-04	0.0	51.5	-1.85	-9.23	-0.04	0.02	-6.88e-03	6.67
124	207	8.08	0.02	3.94e-05	-15.81	0.0	0.33	6.83	-0.05	0.03	0.02	7.15
		6.98	-9.82e-03	-2.37e-04	0.0	51.5	0.33	-8.98	-0.05	0.03	-9.82e-03	6.98
124	209	10.01	0.01	-2.46e-05	-15.81	0.0	2.27	8.67	0.05	-0.03	-0.01	8.81
		8.81	-0.01	2.36e-04	0.0	51.5	2.27	-7.14	0.05	-0.03	0.01	9.17
124	229	9.38	1.20e-03	-2.30e-05	-15.81	0.0	4.83	8.71	3.69e-03	-0.02	-6.76e-04	8.02
		8.02	-6.76e-04	1.33e-06	0.0	51.5	4.83	-7.10	3.69e-03	-0.02	1.20e-03	8.67
124	230	8.79	1.57e-03	4.02e-05	-15.81	0.0	-4.67	6.39	5.34e-03	0.02	-1.20e-03	8.22
		7.21	-1.20e-03	-1.34e-06	0.0	51.5	-4.67	-9.42	5.34e-03	0.02	1.57e-03	7.21
125	4	14.90	2.82e-03	3.07e-04	-29.99	0.0	-0.89	1.60	-8.06e-03	3.79e-03	2.82e-03	14.88
		7.98	-1.33e-03	0.0	0.0	51.5	-0.89	-28.39	-8.06e-03	3.79e-03	-1.33e-03	7.98
125	11	13.57	2.56e-03	2.77e-04	-24.59	0.0	-0.97	0.38	-7.61e-03	3.85e-03	2.56e-03	13.57
		7.43	-1.35e-03	0.0	0.0	51.5	-0.97	-24.21	-7.61e-03	3.85e-03	-1.35e-03	7.43
125	15	7.36	1.64e-03	1.45e-04	-12.00	0.0	-1.81	-0.08	-5.22e-03	2.87e-03	1.64e-03	7.36
		4.22	-1.05e-03	0.0	0.0	51.5	-1.81	-12.09	-5.22e-03	2.87e-03	-1.05e-03	4.22
125	45	4.57	4.49e-04	9.49e-05	-7.82	0.0	-0.08	-0.27	-2.22e-03	2.39e-03	4.49e-04	4.57
		2.42	-6.92e-04	0.0	0.0	51.5	-0.08	-8.09	-2.22e-03	2.39e-03	-6.92e-04	2.42
125	48	10.13	1.43e-03	2.13e-04	-20.41	0.0	0.24	0.77	-4.58e-03	3.04e-03	1.43e-03	10.13
		5.27	-9.29e-04	0.0	0.0	51.5	0.24	-19.64	-4.58e-03	3.04e-03	-9.29e-04	5.27
125	68	10.37	1.96e-03	2.13e-04	-20.61	0.0	-0.66	1.02	-5.68e-03	2.81e-03	1.96e-03	10.36
		5.57	-9.71e-04	0.0	0.0	51.5	-0.66	-19.59	-5.68e-03	2.81e-03	-9.71e-04	5.57
125	71	9.48	1.78e-03	1.93e-04	-17.01	0.0	-0.71	0.21	-5.38e-03	2.85e-03	1.78e-03	9.48
		5.21	-9.89e-04	0.0	0.0	51.5	-0.71	-16.80	-5.38e-03	2.85e-03	-9.89e-04	5.21
125	72	5.34	1.16e-03	1.05e-04	-8.62	0.0	-1.27	-0.10	-3.79e-03	2.19e-03	1.16e-03	5.34
		3.07	-7.87e-04	0.0	0.0	51.5	-1.27	-8.72	-3.79e-03	2.19e-03	-7.87e-04	3.07
125	85	5.04	6.42e-04	1.04e-04	-8.62	0.0	-0.21	-0.20	-2.65e-03	2.41e-03	6.42e-04	5.04
		2.71	-7.23e-04	0.0	0.0	51.5	-0.21	-8.82	-2.65e-03	2.41e-03	-7.23e-04	2.71
125	88	8.74	1.29e-03	1.82e-04	-17.01	0.0	4.82e-03	0.49	-4.23e-03	2.84e-03	1.29e-03	8.74
		4.61	-8.81e-04	0.0	0.0	51.5	4.82e-03	-16.52	-4.23e-03	2.84e-03	-8.81e-04	4.61
125	98	8.41	1.47e-03	1.74e-04	-17.01	0.0	-0.29	0.90	-4.49e-03	2.63e-03	1.47e-03	8.39
		4.48	-8.44e-04	0.0	0.0	51.5	-0.29	-16.11	-4.49e-03	2.63e-03	-8.44e-04	4.48
125	101	8.14	1.42e-03	1.68e-04	-15.81	0.0	-0.31	0.60	-4.41e-03	2.66e-03	1.42e-03	8.14
		4.37	-8.54e-04	0.0	0.0	51.5	-0.31	-15.21	-4.41e-03	2.66e-03	-8.54e-04	4.37
125	102	5.22	9.46e-04	1.05e-04	-8.62	0.0	-0.64	-0.14	-3.30e-03	2.32e-03	9.46e-04	5.22
		2.93	-7.55e-04	0.0	0.0	51.5	-0.64	-8.76	-3.30e-03	2.32e-03	-7.55e-04	2.93
125	104	5.16	8.41e-04	1.04e-04	-8.62	0.0	-0.42	-0.16	-3.07e-03	2.37e-03	8.41e-04	5.16
		2.86	-7.42e-04	0.0	0.0	51.5	-0.42	-8.78	-3.07e-03	2.37e-03	-7.42e-04	2.86

125	105	7.91	1.34e-03	1.64e-04	-15.81	0.0	-0.26	0.74	-4.20e-03	2.60e-03	1.34e-03	7.91
		4.21	-8.26e-04	0.0	0.0	51.5	-0.26	-15.08	-4.20e-03	2.60e-03	-8.26e-04	4.21
125	106	5.19	8.91e-04	1.04e-04	-8.62	0.0	-0.48	-0.15	-3.18e-03	2.36e-03	8.91e-04	5.19
		2.89	-7.47e-04	0.0	0.0	51.5	-0.48	-8.77	-3.18e-03	2.36e-03	-7.47e-04	2.89
125	107	7.94	1.39e-03	1.64e-04	-15.81	0.0	-0.32	0.75	-4.30e-03	2.59e-03	1.39e-03	7.94
		4.25	-8.30e-04	0.0	0.0	51.5	-0.32	-15.07	-4.30e-03	2.59e-03	-8.30e-04	4.25
125	109	8.93	0.01	1.64e-04	-15.81	0.0	2.26	1.21	0.01	-0.02	7.66e-03	8.93
		5.11	7.66e-03	2.08e-04	0.0	51.5	2.26	-14.60	0.01	-0.02	0.01	5.11
125	111	7.18	-7.17e-03	1.70e-04	-15.81	0.0	0.03	-0.41	-0.02	0.03	-7.17e-03	7.18
		2.81	-0.01	-1.76e-04	0.0	51.5	0.03	-16.23	-0.02	0.03	-0.01	2.81
125	120	8.54	0.02	1.58e-04	-15.81	0.0	-3.14	1.70	0.01	-0.01	8.39e-03	8.49
		5.31	8.39e-03	2.12e-04	0.0	51.5	-3.14	-14.11	0.01	-0.01	0.02	5.31
125	123	7.38	-5.62e-03	1.70e-04	-15.81	0.0	2.50	-0.21	-0.02	0.02	-5.62e-03	7.38
		3.19	-0.02	-2.12e-04	0.0	51.5	2.50	-16.02	-0.02	0.02	-0.02	3.19
125	136	7.92	9.23e-03	1.54e-04	-15.81	0.0	-6.29	1.92	-5.06e-03	8.29e-03	5.57e-03	7.82
		5.00	5.57e-03	1.14e-04	0.0	51.5	-6.29	-13.89	-5.06e-03	8.29e-03	9.23e-03	5.00
125	139	8.05	-2.80e-03	1.74e-04	-15.81	0.0	5.65	-0.43	-3.55e-03	-3.11e-03	-2.80e-03	8.05
		3.50	-0.01	-1.13e-04	0.0	51.5	5.65	-16.24	-3.55e-03	-3.11e-03	-0.01	3.50
125	141	9.05	0.02	1.64e-04	-15.81	0.0	2.58	1.27	0.02	-0.02	8.46e-03	9.05
		5.22	8.46e-03	2.35e-04	0.0	51.5	2.58	-14.54	0.02	-0.02	0.02	5.22
125	143	7.09	-8.25e-03	1.71e-04	-15.81	0.0	0.08	-0.56	-0.02	0.03	-8.25e-03	7.09
		2.63	-0.02	-1.99e-04	0.0	51.5	0.08	-16.37	-0.02	0.03	-0.02	2.63
125	152	8.62	0.02	1.57e-04	-15.81	0.0	-3.49	1.82	0.02	-0.01	9.30e-03	8.56
		5.45	9.30e-03	2.41e-04	0.0	51.5	-3.49	-13.99	0.02	-0.01	0.02	5.45
125	155	7.31	-6.53e-03	1.71e-04	-15.81	0.0	2.85	-0.33	-0.03	0.02	-6.53e-03	7.31
		3.05	-0.02	-2.41e-04	0.0	51.5	2.85	-16.14	-0.03	0.02	-0.02	3.05
125	168	7.92	0.01	1.53e-04	-15.81	0.0	-7.03	2.06	-5.14e-03	9.03e-03	6.12e-03	7.81
		5.10	6.12e-03	1.29e-04	0.0	51.5	-7.03	-13.75	-5.14e-03	9.03e-03	0.01	5.10
125	171	8.06	-3.35e-03	1.75e-04	-15.81	0.0	6.40	-0.57	-3.47e-03	-3.84e-03	-3.35e-03	8.06
		3.40	-0.01	-1.29e-04	0.0	51.5	6.40	-16.38	-3.47e-03	-3.84e-03	-0.01	3.40
125	173	9.02	0.02	1.63e-04	-15.81	0.0	2.47	1.23	0.02	-0.02	8.42e-03	9.02
		5.22	8.42e-03	2.41e-04	0.0	51.5	2.47	-14.58	0.02	-0.02	0.02	5.22
125	175	7.11	-8.18e-03	1.71e-04	-15.81	0.0	0.12	-0.50	-0.02	0.03	-8.18e-03	7.11
		2.65	-0.02	-2.03e-04	0.0	51.5	0.12	-16.31	-0.02	0.03	-0.02	2.65
125	184	8.62	0.02	1.57e-04	-15.81	0.0	-3.41	1.81	0.02	-0.01	9.46e-03	8.56
		5.46	9.46e-03	2.57e-04	0.0	51.5	-3.41	-14.00	0.02	-0.01	0.02	5.46
125	187	7.31	-6.69e-03	1.71e-04	-15.81	0.0	2.78	-0.31	-0.03	0.02	-6.69e-03	7.31
		3.04	-0.02	-2.57e-04	0.0	51.5	2.78	-16.13	-0.03	0.02	-0.02	3.04
125	200	7.93	0.01	1.53e-04	-15.81	0.0	-6.94	2.04	-4.90e-03	9.03e-03	6.19e-03	7.82
		5.09	6.19e-03	1.37e-04	0.0	51.5	-6.94	-13.78	-4.90e-03	9.03e-03	0.01	5.09
125	203	8.06	-3.42e-03	1.75e-04	-15.81	0.0	6.31	-0.54	-3.71e-03	-3.84e-03	-3.42e-03	8.06
		3.40	-0.01	-1.37e-04	0.0	51.5	6.31	-16.36	-3.71e-03	-3.84e-03	-0.01	3.40
125	205	9.20	0.02	1.63e-04	-15.81	0.0	2.90	1.31	0.02	-0.02	9.65e-03	9.20
		5.39	9.65e-03	2.87e-04	0.0	51.5	2.90	-14.50	0.02	-0.02	0.02	5.39
125	207	6.98	-9.82e-03	1.73e-04	-15.81	0.0	0.21	-0.70	-0.02	0.03	-9.82e-03	6.98
		2.37	-0.02	-2.41e-04	0.0	51.5	0.21	-16.52	-0.02	0.03	-0.02	2.37
125	216	8.76	0.02	1.55e-04	-15.81	0.0	-3.93	2.01	0.02	-0.02	0.01	8.69
		5.70	0.01	3.14e-04	0.0	51.5	-3.93	-13.81	0.02	-0.02	0.02	5.70
125	219	7.18	-8.32e-03	1.72e-04	-15.81	0.0	3.30	-0.51	-0.03	0.02	-8.32e-03	7.18
		2.80	-0.03	-3.14e-04	0.0	51.5	3.30	-16.32	-0.03	0.02	-0.03	2.80
125	232	7.95	0.01	1.51e-04	-15.81	0.0	-8.03	2.26	-4.82e-03	0.01	7.13e-03	7.80
		5.25	7.13e-03	1.67e-04	0.0	51.5	-8.03	-13.55	-4.82e-03	0.01	0.01	5.25
125	235	8.07	-4.35e-03	1.76e-04	-15.81	0.0	7.40	-0.77	-3.79e-03	-4.88e-03	-4.35e-03	8.07
		3.25	-0.01	-1.66e-04	0.0	51.5	7.40	-16.58	-3.79e-03	-4.88e-03	-0.01	3.25
126	4	7.98	-1.33e-03	5.98e-04	-29.70	0.0	-4.82	-20.93	-0.07	3.79e-03	-1.33e-03	7.98
		-10.27	-0.04	0.0	0.0	51.0	-4.82	-50.63	-0.07	3.79e-03	-0.04	-10.27
126	18	7.07	-1.29e-03	5.16e-04	-24.35	0.0	-5.26	-18.59	-0.07	3.52e-03	-1.29e-03	7.07
		-8.62	-0.04	0.0	0.0	51.0	-5.26	-42.95	-0.07	3.52e-03	-0.04	-8.62
126	45	2.42	-6.92e-04	1.79e-04	-7.74	0.0	-0.26	-6.78	-0.03	2.39e-03	-6.92e-04	2.42
		-3.01	-0.01	0.0	0.0	51.0	-0.26	-14.52	-0.03	2.39e-03	-0.01	-3.01
126	52	7.83	-1.29e-03	5.92e-04	-29.70	0.0	-3.56	-20.64	-0.07	3.94e-03	-1.29e-03	7.83
		-10.27	-0.04	0.0	0.0	51.0	-3.56	-50.33	-0.07	3.94e-03	-0.04	-10.27
126	68	5.57	-9.71e-04	4.15e-04	-20.41	0.0	-3.37	-14.64	-0.05	2.81e-03	-9.71e-04	5.57
		-7.10	-0.03	0.0	0.0	51.0	-3.37	-35.05	-0.05	2.81e-03	-0.03	-7.10
126	75	4.96	-9.45e-04	3.61e-04	-16.85	0.0	-3.66	-13.08	-0.05	2.62e-03	-9.45e-04	4.96
		-6.00	-0.03	0.0	0.0	51.0	-3.66	-29.93	-0.05	2.62e-03	-0.03	-6.00
126	85	2.71	-7.23e-04	1.98e-04	-8.53	0.0	-0.75	-7.49	-0.03	2.41e-03	-7.23e-04	2.71
		-3.28	-0.02	0.0	0.0	51.0	-0.75	-16.02	-0.03	2.41e-03	-0.02	-3.28
126	92	5.47	-9.46e-04	4.12e-04	-20.41	0.0	-2.53	-14.44	-0.05	2.91e-03	-9.46e-04	5.47
		-7.10	-0.03	0.0	0.0	51.0	-2.53	-34.85	-0.05	2.91e-03	-0.03	-7.10
126	98	4.48	-8.44e-04	3.37e-04	-16.85	0.0	-2.19	-11.79	-0.04	2.63e-03	-8.44e-04	4.48
		-5.83	-0.02	0.0	0.0	51.0	-2.19	-28.63	-0.04	2.63e-03	-0.02	-5.83
126	103	4.28	-8.38e-04	3.19e-04	-15.66	0.0	-2.38	-11.29	-0.04	2.56e-03	-8.38e-04	4.28
		-5.46	-0.02	0.0	0.0	51.0	-2.38	-26.95	-0.04	2.56e-03	-0.02	-5.46
126	104	2.86	-7.42e-04	2.03e-04	-8.53	0.0	-1.41	-7.76	-0.03	2.37e-03	-7.42e-04	2.86

		-3.28	-0.02	0.0	0.0	51.0	-1.41	-16.30	-0.03	2.37e-03	-0.02	-3.28
126	106	2.89	-7.47e-04	2.04e-04	-8.53	0.0	-1.57	-7.83	-0.03	2.36e-03	-7.47e-04	2.89
		-3.28	-0.02	0.0	0.0	51.0	-1.57	-16.37	-0.03	2.36e-03	-0.02	-3.28
126	107	4.25	-8.30e-04	3.18e-04	-15.66	0.0	-2.10	-11.22	-0.04	2.59e-03	-8.30e-04	4.25
		-5.47	-0.02	0.0	0.0	51.0	-2.10	-26.88	-0.04	2.59e-03	-0.02	-5.47
126	108	5.69	0.01	3.56e-04	-15.66	0.0	-7.84	-13.85	-0.43	-0.02	0.01	5.69
		-5.20	-0.22	1.78e-04	0.0	51.0	-7.84	-29.51	-0.43	-0.02	-0.22	-5.20
126	111	2.81	0.18	2.80e-04	-15.66	0.0	3.64	-8.59	0.35	0.03	-0.01	2.81
		-5.73	-0.01	-1.78e-04	0.0	51.0	3.64	-24.25	0.35	0.03	0.18	-5.73
126	134	4.38	0.11	3.29e-04	-15.66	0.0	-12.86	-12.55	0.21	0.02	1.77e-04	4.38
		-6.35	1.77e-04	-1.76e-06	0.0	51.0	-12.86	-28.21	0.21	0.02	0.11	-6.35
126	136	5.00	0.11	3.44e-04	-15.66	0.0	-14.45	-13.60	0.20	8.29e-03	9.23e-03	5.00
		-6.13	9.23e-03	1.16e-04	0.0	51.0	-14.45	-29.25	0.20	8.29e-03	0.11	-6.13
126	139	3.50	-0.01	2.92e-04	-15.66	0.0	10.24	-8.85	-0.29	-3.11e-03	-0.01	3.50
		-4.80	-0.15	-1.16e-04	0.0	51.0	10.24	-24.50	-0.29	-3.11e-03	-0.15	-4.80
126	140	5.87	0.01	3.61e-04	-15.66	0.0	-8.56	-14.18	-0.48	-0.03	0.01	5.87
		-5.17	-0.25	2.01e-04	0.0	51.0	-8.56	-29.84	-0.48	-0.03	-0.25	-5.17
126	143	2.63	0.21	2.75e-04	-15.66	0.0	4.36	-8.26	0.40	0.03	-0.02	2.63
		-5.77	-0.02	-2.01e-04	0.0	51.0	4.36	-23.92	0.40	0.03	0.21	-5.77
126	166	4.40	0.13	3.30e-04	-15.66	0.0	-14.20	-12.72	0.24	0.02	3.24e-04	4.40
		-6.45	3.24e-04	-1.72e-06	0.0	51.0	-14.20	-28.38	0.24	0.02	0.13	-6.45
126	168	5.10	0.12	3.48e-04	-15.66	0.0	-16.00	-13.90	0.23	9.03e-03	0.01	5.10
		-6.21	0.01	1.32e-04	0.0	51.0	-16.00	-29.56	0.23	9.03e-03	0.12	-6.21
126	171	3.40	-0.01	2.88e-04	-15.66	0.0	11.79	-8.54	-0.31	-3.84e-03	-0.01	3.40
		-4.72	-0.17	-1.31e-04	0.0	51.0	11.79	-24.20	-0.31	-3.84e-03	-0.17	-4.72
126	172	5.85	0.01	3.61e-04	-15.66	0.0	-8.42	-14.15	-0.45	-0.02	0.01	5.85
		-5.19	-0.23	2.05e-04	0.0	51.0	-8.42	-29.81	-0.45	-0.02	-0.23	-5.19
126	175	2.65	0.19	2.75e-04	-15.66	0.0	4.21	-8.29	0.37	0.03	-0.02	2.65
		-5.74	-0.02	-2.04e-04	0.0	51.0	4.21	-23.95	0.37	0.03	0.19	-5.74
126	198	4.39	0.12	3.31e-04	-15.66	0.0	-14.08	-12.71	0.22	0.02	4.18e-04	4.39
		-6.41	4.18e-04	0.0	0.0	51.0	-14.08	-28.37	0.22	0.02	0.12	-6.41
126	200	5.09	0.11	3.49e-04	-15.66	0.0	-15.85	-13.89	0.22	9.03e-03	0.01	5.09
		-6.19	0.01	1.39e-04	0.0	51.0	-15.85	-29.55	0.22	9.03e-03	0.11	-6.19
126	203	3.40	-0.01	2.88e-04	-15.66	0.0	11.65	-8.55	-0.30	-3.84e-03	-0.01	3.40
		-4.74	-0.16	-1.39e-04	0.0	51.0	11.65	-24.21	-0.30	-3.84e-03	-0.16	-4.74
126	204	6.12	0.02	3.68e-04	-15.66	0.0	-9.43	-14.65	-0.50	-0.03	0.02	6.12
		-5.16	-0.26	2.43e-04	0.0	51.0	-9.43	-30.31	-0.50	-0.03	-0.26	-5.16
126	207	2.37	0.22	2.68e-04	-15.66	0.0	5.22	-7.79	0.42	0.03	-0.02	2.37
		-5.77	-0.02	-2.42e-04	0.0	51.0	5.22	-23.45	0.42	0.03	0.22	-5.77
126	230	4.42	0.14	3.33e-04	-15.66	0.0	-16.05	-12.96	0.26	0.02	7.19e-04	4.42
		-6.56	7.19e-04	1.98e-06	0.0	51.0	-16.05	-28.62	0.26	0.02	0.14	-6.56
126	232	5.25	0.14	3.54e-04	-15.66	0.0	-18.14	-14.37	0.25	0.01	0.01	5.25
		-6.31	0.01	1.69e-04	0.0	51.0	-18.14	-30.03	0.25	0.01	0.14	-6.31
126	235	3.25	-0.01	2.82e-04	-15.66	0.0	13.94	-8.07	-0.33	-4.88e-03	-0.01	3.25
		-4.63	-0.18	-1.69e-04	0.0	51.0	13.94	-23.73	-0.33	-4.88e-03	-0.18	-4.63
127	4	8.28	1.58e-03	-6.03e-04	-29.93	0.0	-3.52	58.32	-3.65e-03	8.23e-03	1.58e-03	-14.00
		-14.00	-2.95e-04	0.0	0.0	51.4	-3.52	28.39	-3.65e-03	8.23e-03	-2.95e-04	8.28
127	19	2.80	-2.90e-04	-1.91e-04	-7.80	0.0	-1.33	17.50	5.46e-04	4.97e-03	-5.71e-04	-4.19
		-4.19	-5.71e-04	0.0	0.0	51.4	-1.33	9.70	5.46e-04	4.97e-03	-2.90e-04	2.80
127	28	7.97	4.43e-03	-6.02e-04	-29.93	0.0	-4.61	58.75	-8.25e-03	8.30e-03	4.43e-03	-14.53
		-14.53	1.83e-04	0.0	0.0	51.4	-4.61	28.82	-8.25e-03	8.30e-03	1.83e-04	7.97
127	44	6.70	5.26e-03	-5.15e-04	-24.54	0.0	-4.79	49.97	-9.45e-03	8.01e-03	5.26e-03	-12.68
		-12.68	3.96e-04	0.0	0.0	51.4	-4.79	25.42	-9.45e-03	8.01e-03	3.96e-04	6.70
127	68	5.74	1.26e-03	-4.19e-04	-20.57	0.0	-2.55	40.43	-2.80e-03	6.12e-03	1.26e-03	-9.75
		-9.75	-1.79e-04	0.0	0.0	51.4	-2.55	19.87	-2.80e-03	6.12e-03	-1.79e-04	5.74
127	72	2.93	2.37e-04	-2.07e-04	-8.60	0.0	-1.57	19.17	-7.85e-04	5.11e-03	2.37e-04	-4.71
		-4.71	-1.67e-04	0.0	0.0	51.4	-1.57	10.57	-7.85e-04	5.11e-03	-1.67e-04	2.93
127	75	5.03	5.51e-04	-3.61e-04	-16.98	0.0	-2.19	34.39	-1.56e-03	5.89e-03	5.51e-04	-8.28
		-8.28	-2.50e-04	0.0	0.0	51.4	-2.19	17.41	-1.56e-03	5.89e-03	-2.50e-04	5.03
127	80	5.54	3.16e-03	-4.18e-04	-20.57	0.0	-3.27	40.72	-5.87e-03	6.17e-03	3.16e-03	-10.11
		-10.11	1.40e-04	0.0	0.0	51.4	-3.27	20.15	-5.87e-03	6.17e-03	1.40e-04	5.54
127	88	4.69	3.71e-03	-3.60e-04	-16.98	0.0	-3.39	34.87	-6.67e-03	5.97e-03	3.71e-03	-8.87
		-8.87	2.81e-04	0.0	0.0	51.4	-3.39	17.89	-6.67e-03	5.97e-03	2.81e-04	4.69
127	98	4.58	2.00e-03	-3.42e-04	-16.98	0.0	-2.44	33.29	-3.86e-03	5.66e-03	2.00e-03	-8.16
		-8.16	1.54e-05	0.0	0.0	51.4	-2.44	16.31	-3.86e-03	5.66e-03	1.54e-05	4.58
127	102	2.80	1.46e-03	-2.07e-04	-8.60	0.0	-1.84	19.35	-2.76e-03	5.19e-03	1.46e-03	-4.94
		-4.94	4.23e-05	0.0	0.0	51.4	-1.84	10.75	-2.76e-03	5.19e-03	4.23e-05	2.80
127	103	4.36	1.66e-03	-3.23e-04	-15.78	0.0	-2.30	31.26	-3.28e-03	5.57e-03	1.66e-03	-7.65
		-7.65	-2.55e-05	0.0	0.0	51.4	-2.30	15.48	-3.28e-03	5.57e-03	-2.55e-05	4.36
127	105	4.29	2.29e-03	-3.23e-04	-15.78	0.0	-2.54	31.36	-4.30e-03	5.59e-03	2.29e-03	-7.77
		-7.77	8.07e-05	0.0	0.0	51.4	-2.54	15.57	-4.30e-03	5.59e-03	8.07e-05	4.29
127	106	2.76	1.77e-03	-2.07e-04	-8.60	0.0	-1.91	19.40	-3.25e-03	5.21e-03	1.77e-03	-5.00
		-5.00	9.46e-05	0.0	0.0	51.4	-1.91	10.80	-3.25e-03	5.21e-03	9.46e-05	2.76
127	107	4.32	1.96e-03	-3.23e-04	-15.78	0.0	-2.37	31.31	-3.77e-03	5.59e-03	1.96e-03	-7.71
		-7.71	2.67e-05	0.0	0.0	51.4	-2.37	15.53	-3.77e-03	5.59e-03	2.67e-05	4.32

127	113	3.75	0.68	-3.56e-04	-15.78	0.0	-5.10	34.82	-1.26	-0.02	0.68	-9.79
		-9.79	0.03	-5.32e-04	0.0	51.4	-5.10	19.04	-1.26	-0.02	0.03	3.75
127	114	4.90	-0.03	-2.90e-04	-15.78	0.0	0.37	27.79	1.25	0.03	-0.67	-5.63
		-5.63	-0.67	5.32e-04	0.0	51.4	0.37	12.01	1.25	0.03	-0.03	4.90
127	126	5.31	-0.02	-3.09e-04	-15.78	0.0	2.44	28.02	0.77	3.10e-03	-0.41	-5.15
		-5.15	-0.41	-2.40e-03	0.0	51.4	2.44	12.24	0.77	3.10e-03	-0.02	5.31
127	129	3.36	0.38	-3.46e-04	-15.78	0.0	-7.18	34.47	-0.71	0.02	0.38	-10.23
		-10.23	0.02	2.40e-03	0.0	51.4	-7.18	18.69	-0.71	0.02	0.02	3.36
127	130	5.29	-0.02	-3.00e-04	-15.78	0.0	2.45	28.14	0.71	-0.01	-0.38	-5.19
		-5.19	-0.38	-2.40e-03	0.0	51.4	2.45	12.36	0.71	-0.01	-0.02	5.29
127	133	3.43	0.43	-3.56e-04	-15.78	0.0	-7.08	35.35	-0.80	-0.01	0.43	-10.57
		-10.57	0.02	-2.32e-03	0.0	51.4	-7.08	19.57	-0.80	-0.01	0.02	3.43
127	145	3.68	0.76	-3.60e-04	-15.78	0.0	-5.45	35.26	-1.42	-0.02	0.76	-10.06
		-10.06	0.03	-5.99e-04	0.0	51.4	-5.45	19.48	-1.42	-0.02	0.03	3.68
127	146	4.97	-0.03	-2.86e-04	-15.78	0.0	0.72	27.36	1.41	0.03	-0.76	-5.37
		-5.37	-0.76	5.99e-04	0.0	51.4	0.72	11.57	1.41	0.03	-0.03	4.97
127	158	5.44	-0.02	-3.08e-04	-15.78	0.0	3.04	27.60	0.86	2.78e-03	-0.46	-4.83
		-4.83	-0.46	-2.70e-03	0.0	51.4	3.04	11.82	0.86	2.78e-03	-0.02	5.44
127	161	3.24	0.43	-3.49e-04	-15.78	0.0	-7.78	34.87	-0.81	0.02	0.43	-10.55
		-10.55	0.02	2.70e-03	0.0	51.4	-7.78	19.09	-0.81	0.02	0.02	3.24
127	162	5.41	-0.02	-2.97e-04	-15.78	0.0	3.05	27.74	0.80	-0.01	-0.43	-4.87
		-4.87	-0.43	-2.70e-03	0.0	51.4	3.05	11.96	0.80	-0.01	-0.02	5.41
127	165	3.32	0.48	-3.60e-04	-15.78	0.0	-7.66	35.85	-0.90	-0.01	0.48	-10.93
		-10.93	0.02	-2.61e-03	0.0	51.4	-7.66	20.07	-0.90	-0.01	0.02	3.32
127	177	3.73	0.76	-3.59e-04	-15.78	0.0	-5.42	35.20	-1.40	-0.02	0.76	-10.05
		-10.05	0.03	-5.86e-04	0.0	51.4	-5.42	19.42	-1.40	-0.02	0.03	3.73
127	178	4.91	-0.03	-2.88e-04	-15.78	0.0	0.69	27.41	1.40	0.03	-0.75	-5.38
		-5.38	-0.75	5.85e-04	0.0	51.4	0.69	11.63	1.40	0.03	-0.03	4.91
127	190	5.41	-0.02	-3.08e-04	-15.78	0.0	2.99	27.64	0.86	2.72e-03	-0.46	-4.85
		-4.85	-0.46	-2.68e-03	0.0	51.4	2.99	11.86	0.86	2.72e-03	-0.02	5.41
127	193	3.26	0.43	-3.48e-04	-15.78	0.0	-7.74	34.87	-0.80	0.02	0.43	-10.54
		-10.54	0.02	2.68e-03	0.0	51.4	-7.74	19.08	-0.80	0.02	0.02	3.26
127	194	5.39	-0.02	-2.98e-04	-15.78	0.0	3.01	27.75	0.80	-0.01	-0.43	-4.88
		-4.88	-0.43	-2.68e-03	0.0	51.4	3.01	11.97	0.80	-0.01	-0.02	5.39
127	197	3.35	0.48	-3.59e-04	-15.78	0.0	-7.57	35.77	-0.89	-0.01	0.48	-10.88
		-10.88	0.02	-2.59e-03	0.0	51.4	-7.57	19.99	-0.89	-0.01	0.02	3.35
127	209	3.65	0.88	-3.64e-04	-15.78	0.0	-5.94	35.86	-1.64	-0.03	0.88	-10.45
		-10.45	0.04	-6.80e-04	0.0	51.4	-5.94	20.08	-1.64	-0.03	0.04	3.65
127	210	5.00	-0.04	-2.82e-04	-15.78	0.0	1.21	26.75	1.64	0.04	-0.88	-4.97
		-4.97	-0.88	6.80e-04	0.0	51.4	1.21	10.97	1.64	0.04	-0.04	5.00
127	222	5.58	-0.02	-3.05e-04	-15.78	0.0	3.88	27.01	1.00	2.10e-03	-0.54	-4.37
		-4.37	-0.54	-3.13e-03	0.0	51.4	3.88	11.23	1.00	2.10e-03	-0.02	5.58
127	225	3.08	0.51	-3.52e-04	-15.78	0.0	-8.66	35.50	-0.95	0.03	0.51	-11.04
		-11.04	0.02	3.14e-03	0.0	51.4	-8.66	19.72	-0.95	0.03	0.02	3.08
127	226	5.57	-0.02	-2.94e-04	-15.78	0.0	3.93	27.11	0.94	-0.02	-0.51	-4.39
		-4.39	-0.51	-3.14e-03	0.0	51.4	3.93	11.33	0.94	-0.02	-0.02	5.57
127	229	3.20	0.56	-3.65e-04	-15.78	0.0	-8.41	36.49	-1.04	-0.02	0.56	-11.40
		-11.40	0.03	-3.02e-03	0.0	51.4	-8.41	20.71	-1.04	-0.02	0.03	3.20
128	4	15.75	-2.95e-04	-2.41e-04	-29.90	0.0	0.06	29.46	-1.22e-03	8.23e-03	-2.95e-04	8.28
		8.28	-9.21e-04	0.0	0.0	51.4	0.06	-0.44	-1.22e-03	8.23e-03	-9.21e-04	15.75
128	17	12.84	-3.95e-04	-1.96e-04	-24.52	0.0	-0.35	24.02	-1.13e-03	7.39e-03	-3.95e-04	6.79
		6.79	-9.77e-04	0.0	0.0	51.4	-0.35	-0.50	-1.13e-03	7.39e-03	-9.77e-04	12.84
128	41	7.22	5.21e-04	-1.14e-04	-11.97	0.0	-1.09	13.12	-1.06e-03	6.85e-03	5.21e-04	3.55
		3.55	-2.38e-05	0.0	0.0	51.4	-1.09	1.15	-1.06e-03	6.85e-03	-2.38e-05	7.22
128	45	4.77	5.06e-04	-7.60e-05	-7.80	0.0	-1.01	8.73	-8.16e-04	5.09e-03	5.06e-04	2.29
		2.29	8.71e-05	0.0	0.0	51.4	-1.01	0.93	-8.16e-04	5.09e-03	8.71e-05	4.77
128	56	13.16	-7.38e-05	-2.03e-04	-25.73	0.0	0.32	25.10	-9.95e-04	6.56e-03	-7.38e-05	6.86
		6.86	-5.85e-04	0.0	0.0	51.4	0.32	-0.63	-9.95e-04	6.56e-03	-5.85e-04	13.16
128	68	10.94	-1.79e-04	-1.68e-04	-20.55	0.0	-0.04	20.38	-8.94e-04	6.12e-03	-1.79e-04	5.74
		5.74	-6.39e-04	0.0	0.0	51.4	-0.04	-0.17	-8.94e-04	6.12e-03	-6.39e-04	10.94
128	74	9.01	-2.46e-04	-1.38e-04	-16.96	0.0	-0.31	16.75	-8.37e-04	5.56e-03	-2.46e-04	4.75
		4.75	-6.76e-04	0.0	0.0	51.4	-0.31	-0.21	-8.37e-04	5.56e-03	-6.76e-04	9.01
128	85	5.26	3.64e-04	-8.26e-05	-8.59	0.0	-0.80	9.49	-7.88e-04	5.19e-03	3.64e-04	2.59
		2.59	-4.07e-05	0.0	0.0	51.4	-0.80	0.89	-7.88e-04	5.19e-03	-4.07e-05	5.26
128	92	10.85	-2.23e-05	-1.67e-04	-20.55	0.0	0.08	20.40	-9.08e-04	6.18e-03	-2.23e-05	5.64
		5.64	-4.89e-04	0.0	0.0	51.4	0.08	-0.15	-9.08e-04	6.18e-03	-4.89e-04	10.85
128	98	8.86	1.54e-05	-1.37e-04	-16.96	0.0	-0.10	16.79	-8.59e-04	5.66e-03	1.54e-05	4.58
		4.58	-4.26e-04	0.0	0.0	51.4	-0.10	-0.17	-8.59e-04	5.66e-03	-4.26e-04	8.86
128	103	8.40	-2.55e-05	-1.29e-04	-15.77	0.0	-0.19	15.73	-8.32e-04	5.57e-03	-2.55e-05	4.36
		4.36	-4.53e-04	0.0	0.0	51.4	-0.19	-0.03	-8.32e-04	5.57e-03	-4.53e-04	8.40
128	104	5.38	1.49e-04	-8.32e-05	-8.59	0.0	-0.51	9.45	-7.17e-04	5.21e-03	1.49e-04	2.73
		2.73	-2.20e-04	0.0	0.0	51.4	-0.51	0.86	-7.17e-04	5.21e-03	-2.20e-04	5.38
128	106	5.41	9.46e-05	-8.33e-05	-8.59	0.0	-0.43	9.44	-7.00e-04	5.21e-03	9.46e-05	2.76
		2.76	-2.65e-04	0.0	0.0	51.4	-0.43	0.85	-7.00e-04	5.21e-03	-2.65e-04	5.41
128	107	8.37	2.67e-05	-1.29e-04	-15.77	0.0	-0.15	15.74	-8.37e-04	5.59e-03	2.67e-05	4.32

		4.32	-4.03e-04	0.0	0.0	51.4	-0.15	-0.03	-8.37e-04	5.59e-03	-4.03e-04	8.37
128	108	9.25	0.02	-1.60e-04	-15.77	0.0	-0.22	16.75	-0.07	-0.02	0.02	4.25
		4.25	-6.52e-03	1.70e-04	0.0	51.4	-0.22	0.99	-0.07	-0.02	-6.52e-03	9.25
128	113	8.95	0.03	-1.61e-04	-15.77	0.0	0.48	17.27	-0.06	-0.02	0.03	3.75
		3.75	-4.99e-03	1.69e-04	0.0	51.4	0.48	1.50	-0.06	-0.02	-4.99e-03	8.95
128	114	7.86	4.19e-03	-9.83e-05	-15.77	0.0	-0.78	14.21	0.05	0.03	-0.03	4.90
		4.90	-0.03	-1.69e-04	0.0	51.4	-0.78	-1.55	0.05	0.03	4.19e-03	7.78
128	125	7.91	0.02	-1.31e-04	-15.77	0.0	1.13	16.73	6.43e-03	8.08e-03	0.02	3.34
		3.34	1.67e-03	1.03e-04	0.0	51.4	1.13	0.97	6.43e-03	8.08e-03	1.67e-03	7.91
128	126	8.84	-2.48e-03	-1.27e-04	-15.77	0.0	-1.43	14.75	-8.10e-03	3.10e-03	-0.02	5.31
		5.31	-0.02	-1.03e-04	0.0	51.4	-1.43	-1.02	-8.10e-03	3.10e-03	-2.48e-03	8.82
128	140	9.35	0.03	-1.64e-04	-15.77	0.0	-0.23	16.88	-0.08	-0.02	0.03	4.25
		4.25	-7.29e-03	1.92e-04	0.0	51.4	-0.23	1.11	-0.08	-0.02	-7.29e-03	9.35
128	145	9.02	0.03	-1.65e-04	-15.77	0.0	0.56	17.46	-0.06	-0.02	0.03	3.68
		3.68	-5.57e-03	1.91e-04	0.0	51.4	0.56	1.69	-0.06	-0.02	-5.57e-03	9.02
128	146	7.81	4.76e-03	-9.45e-05	-15.77	0.0	-0.86	14.02	0.06	0.03	-0.03	4.97
		4.97	-0.03	-1.91e-04	0.0	51.4	-0.86	-1.75	0.06	0.03	4.76e-03	7.71
128	157	7.85	0.02	-1.32e-04	-15.77	0.0	1.29	16.86	7.33e-03	8.41e-03	0.02	3.21
		3.21	1.93e-03	1.16e-04	0.0	51.4	1.29	1.09	7.33e-03	8.41e-03	1.93e-03	7.85
128	158	8.90	-2.73e-03	-1.27e-04	-15.77	0.0	-1.59	14.62	-9.00e-03	2.78e-03	-0.02	5.44
		5.44	-0.02	-1.16e-04	0.0	51.4	-1.59	-1.15	-9.00e-03	2.78e-03	-2.73e-03	8.88
128	177	8.97	0.03	-1.64e-04	-15.77	0.0	0.53	17.44	-0.06	-0.02	0.03	3.73
		3.73	-5.47e-03	1.96e-04	0.0	51.4	0.53	1.67	-0.06	-0.02	-5.47e-03	8.97
128	178	7.85	4.67e-03	-9.48e-05	-15.77	0.0	-0.83	14.04	0.06	0.03	-0.03	4.91
		4.91	-0.03	-1.96e-04	0.0	51.4	-0.83	-1.73	0.06	0.03	4.67e-03	7.76
128	188	9.31	-2.29e-03	-1.46e-04	-15.77	0.0	-1.38	15.43	-0.05	-0.01	-2.29e-03	5.21
		5.21	-6.04e-03	6.83e-06	0.0	51.4	-1.38	-0.33	-0.05	-0.01	-6.04e-03	9.31
128	189	7.85	0.02	-1.32e-04	-15.77	0.0	1.26	16.85	7.23e-03	8.46e-03	0.02	3.24
		3.24	1.89e-03	1.22e-04	0.0	51.4	1.26	1.08	7.23e-03	8.46e-03	1.89e-03	7.85
128	190	8.90	-2.70e-03	-1.27e-04	-15.77	0.0	-1.56	14.63	-8.91e-03	2.72e-03	-0.02	5.41
		5.41	-0.02	-1.22e-04	0.0	51.4	-1.56	-1.14	-8.91e-03	2.72e-03	-2.70e-03	8.88
128	209	9.06	0.04	-1.71e-04	-15.77	0.0	0.64	17.73	-0.07	-0.03	0.04	3.65
		3.65	-6.31e-03	2.33e-04	0.0	51.4	0.64	1.96	-0.07	-0.03	-6.31e-03	9.06
128	210	7.79	5.50e-03	-8.93e-05	-15.77	0.0	-0.94	13.75	0.07	0.04	-0.04	5.00
		5.00	-0.04	-2.33e-04	0.0	51.4	-0.94	-2.02	0.07	0.04	5.50e-03	7.67
128	220	9.46	-2.70e-03	-1.49e-04	-15.77	0.0	-1.58	15.38	-0.06	-0.02	-2.70e-03	5.36
		5.36	-6.95e-03	6.79e-06	0.0	51.4	-1.58	-0.39	-0.06	-0.02	-6.95e-03	9.46
128	221	7.76	0.02	-1.33e-04	-15.77	0.0	1.49	17.04	8.54e-03	9.09e-03	0.02	3.06
		3.06	2.25e-03	1.46e-04	0.0	51.4	1.49	1.28	8.54e-03	9.09e-03	2.25e-03	7.76
128	222	8.99	-3.06e-03	-1.26e-04	-15.77	0.0	-1.79	14.43	-0.01	2.10e-03	-0.02	5.58
		5.58	-0.02	-1.47e-04	0.0	51.4	-1.79	-1.33	-0.01	2.10e-03	-3.06e-03	8.97
129	4	17.69	-4.80e-04	-3.95e-05	-29.93	0.0	-0.16	15.03	8.57e-04	8.23e-03	-9.21e-04	15.75
		15.75	-9.21e-04	0.0	0.0	51.4	-0.16	-14.90	8.57e-04	8.23e-03	-4.80e-04	15.78
129	15	8.52	1.58e-04	-1.69e-05	-11.98	0.0	-1.23	6.28	1.74e-03	6.73e-03	-7.35e-04	7.67
		7.67	-7.35e-04	0.0	0.0	51.4	-1.23	-5.70	1.74e-03	6.73e-03	1.58e-04	7.82
129	17	14.45	-1.55e-04	-3.30e-05	-24.54	0.0	-0.68	12.40	1.60e-03	7.39e-03	-9.77e-04	12.84
		12.84	-9.77e-04	0.0	0.0	51.4	-0.68	-12.14	1.60e-03	7.39e-03	-1.55e-04	12.91
129	19	5.79	2.43e-04	-1.14e-05	-7.80	0.0	-1.12	4.16	1.69e-03	4.97e-03	-6.24e-04	5.22
		5.22	-6.24e-04	0.0	0.0	51.4	-1.12	-3.65	1.69e-03	4.97e-03	2.43e-04	5.35
129	45	5.30	8.71e-05	1.16e-05	-7.80	0.0	-0.84	3.99	-9.24e-04	5.09e-03	8.71e-05	4.77
		4.77	-3.88e-04	0.0	0.0	51.4	-0.84	-3.81	-9.24e-04	5.09e-03	-3.88e-04	4.82
129	56	14.81	-5.85e-04	-3.36e-05	-25.75	0.0	0.28	12.85	-2.29e-05	6.56e-03	-5.85e-04	13.16
		13.15	-5.97e-04	0.0	0.0	51.4	0.28	-12.90	-2.29e-05	6.56e-03	-5.97e-04	13.15
129	68	12.28	-3.19e-04	-2.72e-05	-20.57	0.0	-0.20	10.35	6.21e-04	6.12e-03	-6.39e-04	10.94
		10.94	-6.39e-04	0.0	0.0	51.4	-0.20	-10.21	6.21e-04	6.12e-03	-3.19e-04	10.98
129	72	6.17	1.06e-04	-1.22e-05	-8.60	0.0	-0.91	4.52	1.21e-03	5.11e-03	-5.15e-04	5.56
		5.56	-5.15e-04	0.0	0.0	51.4	-0.91	-4.08	1.21e-03	5.11e-03	1.06e-04	5.67
129	74	10.13	-1.03e-04	-2.29e-05	-16.98	0.0	-0.54	8.60	1.12e-03	5.56e-03	-6.76e-04	9.01
		9.01	-6.76e-04	0.0	0.0	51.4	-0.54	-8.38	1.12e-03	5.56e-03	-1.03e-04	9.07
129	85	5.84	-4.07e-05	1.24e-05	-8.60	0.0	-0.72	4.41	-5.32e-04	5.19e-03	-4.07e-05	5.26
		5.26	-3.14e-04	0.0	0.0	51.4	-0.72	-4.19	-5.32e-04	5.19e-03	-3.14e-04	5.32
129	92	12.18	-4.54e-04	-2.70e-05	-20.57	0.0	0.03	10.32	6.89e-05	6.18e-03	-4.89e-04	10.85
		10.85	-4.89e-04	0.0	0.0	51.4	0.03	-10.25	6.89e-05	6.18e-03	-4.54e-04	10.87
129	98	9.96	-3.26e-04	-2.24e-05	-16.98	0.0	-0.17	8.54	1.95e-04	5.66e-03	-4.26e-04	8.86
		8.86	-4.26e-04	0.0	0.0	51.4	-0.17	-8.43	1.95e-04	5.66e-03	-3.26e-04	8.89
129	102	6.04	-7.25e-05	1.19e-05	-8.60	0.0	-0.61	4.48	4.72e-04	5.19e-03	-3.15e-04	5.44
		5.44	-3.15e-04	0.0	0.0	51.4	-0.61	-4.12	4.72e-04	5.19e-03	-7.25e-05	5.53
129	103	9.43	-2.52e-04	-2.10e-05	-15.78	0.0	-0.29	7.97	3.92e-04	5.57e-03	-4.53e-04	8.40
		8.40	-4.53e-04	0.0	0.0	51.4	-0.29	-7.81	3.92e-04	5.57e-03	-2.52e-04	8.44
129	104	5.97	-1.57e-04	1.21e-05	-8.60	0.0	-0.57	4.46	1.24e-04	5.21e-03	-2.20e-04	5.38
		5.38	-2.20e-04	0.0	0.0	51.4	-0.57	-4.15	1.24e-04	5.21e-03	-1.57e-04	5.46
129	106	6.01	-1.17e-04	1.20e-05	-8.60	0.0	-0.53	4.47	2.87e-04	5.21e-03	-2.65e-04	5.41
		5.41	-2.65e-04	0.0	0.0	51.4	-0.53	-4.14	2.87e-04	5.21e-03	-1.17e-04	5.50
129	107	9.40	-2.96e-04	-2.09e-05	-15.78	0.0	-0.22	7.96	2.08e-04	5.59e-03	-4.03e-04	8.37
		8.37	-4.03e-04	0.0	0.0	51.4	-0.22	-7.82	2.08e-04	5.59e-03	-2.96e-04	8.40

129	108	10.59	-4.47e-03	-3.52e-05	-15.78	0.0	-0.39	9.08	3.93e-03	-0.02	-6.52e-03	9.25
		9.25	-6.52e-03	1.73e-04	0.0	51.4	-0.39	-6.71	3.93e-03	-0.02	-4.47e-03	9.85
129	111	8.25	5.71e-03	4.75e-05	-15.78	0.0	-0.04	6.85	-3.51e-03	0.03	5.71e-03	7.48
		6.95	3.88e-03	-1.73e-04	0.0	51.4	-0.04	-8.93	-3.51e-03	0.03	3.88e-03	6.95
129	125	8.96	1.67e-03	-2.04e-05	-15.78	0.0	2.47	8.74	-5.55e-03	8.08e-03	1.67e-03	7.91
		7.91	-2.97e-03	1.06e-04	0.0	51.4	2.47	-7.04	-5.55e-03	8.08e-03	-2.97e-03	7.98
129	126	9.84	2.38e-03	-2.15e-05	-15.78	0.0	-2.91	7.18	5.97e-03	3.10e-03	-2.48e-03	8.82
		8.82	-2.48e-03	-1.06e-04	0.0	51.4	-2.91	-8.60	5.97e-03	3.10e-03	2.38e-03	8.82
129	140	10.74	-5.00e-03	-3.73e-05	-15.78	0.0	-0.42	9.22	4.38e-03	-0.02	-7.29e-03	9.35
		9.35	-7.29e-03	1.95e-04	0.0	51.4	-0.42	-6.56	4.38e-03	-0.02	-5.00e-03	10.03
129	143	8.11	6.48e-03	5.10e-05	-15.78	0.0	-0.02	6.71	-3.97e-03	0.03	6.48e-03	7.38
		6.77	4.41e-03	-1.95e-04	0.0	51.4	-0.02	-9.07	-3.97e-03	0.03	4.41e-03	6.77
129	157	8.90	1.93e-03	-2.03e-05	-15.78	0.0	2.81	8.84	-6.27e-03	8.41e-03	1.93e-03	7.85
		7.85	-3.32e-03	1.19e-04	0.0	51.4	2.81	-6.94	-6.27e-03	8.41e-03	-3.32e-03	7.93
129	158	9.89	2.72e-03	-2.15e-05	-15.78	0.0	-3.24	7.09	6.69e-03	2.78e-03	-2.73e-03	8.88
		8.88	-2.73e-03	-1.20e-04	0.0	51.4	-3.24	-8.70	6.69e-03	2.78e-03	2.72e-03	8.88
129	172	10.69	-4.96e-03	-3.73e-05	-15.78	0.0	-0.43	9.21	4.17e-03	-0.02	-7.16e-03	9.29
		9.29	-7.16e-03	1.99e-04	0.0	51.4	-0.43	-6.58	4.17e-03	-0.02	-4.96e-03	9.99
129	175	8.16	6.35e-03	5.11e-05	-15.78	0.0	-8.44e-03	6.72	-3.75e-03	0.03	6.35e-03	7.44
		6.81	4.37e-03	-2.00e-04	0.0	51.4	-8.44e-03	-9.06	-3.75e-03	0.03	4.37e-03	6.81
129	193	8.83	2.34e-03	2.13e-05	-15.78	0.0	2.77	8.75	-6.41e-03	0.02	2.34e-03	7.78
		7.78	-2.94e-03	1.29e-04	0.0	51.4	2.77	-7.03	-6.41e-03	0.02	-2.94e-03	7.84
129	194	9.97	2.35e-03	-2.21e-05	-15.78	0.0	-3.20	7.18	6.82e-03	-0.01	-3.15e-03	8.95
		8.95	-3.15e-03	-1.30e-04	0.0	51.4	-3.20	-8.60	6.82e-03	-0.01	2.35e-03	8.96
129	204	10.90	-5.76e-03	-4.05e-05	-15.78	0.0	-0.47	9.42	4.75e-03	-0.03	-8.27e-03	9.44
		9.44	-8.27e-03	2.37e-04	0.0	51.4	-0.47	-6.36	4.75e-03	-0.03	-5.76e-03	10.26
129	207	7.96	7.46e-03	5.65e-05	-15.78	0.0	0.03	6.51	-4.34e-03	0.04	7.46e-03	7.29
		6.55	5.17e-03	-2.37e-04	0.0	51.4	0.03	-9.27	-4.34e-03	0.04	5.17e-03	6.55
129	225	8.74	2.76e-03	2.12e-05	-15.78	0.0	3.26	8.89	-7.50e-03	0.03	2.76e-03	7.69
		7.69	-3.44e-03	1.58e-04	0.0	51.4	3.26	-6.89	-7.50e-03	0.03	-3.44e-03	7.76
129	226	10.06	2.85e-03	-2.22e-05	-15.78	0.0	-3.70	7.03	7.92e-03	-0.02	-3.56e-03	9.04
		9.04	-3.56e-03	-1.58e-04	0.0	51.4	-3.70	-8.75	7.92e-03	-0.02	2.85e-03	9.05
130	4	15.82	6.56e-03	3.00e-04	-29.93	0.0	-1.03	2.23	0.01	8.23e-03	-4.80e-04	15.78
		9.24	-4.80e-04	0.0	0.0	51.4	-1.03	-27.70	0.01	8.23e-03	6.56e-03	9.24
130	15	7.82	3.82e-03	1.42e-04	-11.98	0.0	-1.82	0.25	7.12e-03	6.73e-03	1.58e-04	7.82
		4.87	1.58e-04	0.0	0.0	51.4	-1.82	-11.73	7.12e-03	6.73e-03	3.82e-03	4.87
130	28	15.50	5.90e-03	2.99e-04	-29.93	0.0	-0.35	2.13	0.01	8.30e-03	-8.59e-04	15.46
		8.86	-8.59e-04	0.0	0.0	51.4	-0.35	-27.80	0.01	8.30e-03	5.90e-03	8.86
130	32	13.03	4.86e-03	2.52e-04	-25.75	0.0	-0.17	1.99	0.01	6.55e-03	-7.74e-04	12.99
		7.40	-7.74e-04	0.0	0.0	51.4	-0.17	-23.76	0.01	6.55e-03	4.86e-03	7.40
130	45	4.82	1.69e-03	9.28e-05	-7.80	0.0	-0.51	-0.07	4.04e-03	5.09e-03	-3.88e-04	4.82
		2.78	-3.88e-04	0.0	0.0	51.4	-0.51	-7.87	4.04e-03	5.09e-03	1.69e-03	2.78
130	68	11.01	4.59e-03	2.08e-04	-20.57	0.0	-0.78	1.46	9.55e-03	6.12e-03	-3.19e-04	10.98
		6.45	-3.19e-04	0.0	0.0	51.4	-0.78	-19.11	9.55e-03	6.12e-03	4.59e-03	6.45
130	72	5.67	2.76e-03	1.03e-04	-8.60	0.0	-1.30	0.14	5.17e-03	5.11e-03	1.06e-04	5.67
		3.53	1.06e-04	0.0	0.0	51.4	-1.30	-8.47	5.17e-03	5.11e-03	2.76e-03	3.53
130	80	10.79	4.15e-03	2.07e-04	-20.57	0.0	-0.33	1.39	9.19e-03	6.17e-03	-5.72e-04	10.77
		6.19	-5.72e-04	0.0	0.0	51.4	-0.33	-19.18	9.19e-03	6.17e-03	4.15e-03	6.19
130	85	5.32	2.03e-03	1.01e-04	-8.60	0.0	-0.55	0.02	4.57e-03	5.19e-03	-3.14e-04	5.32
		3.12	-3.14e-04	0.0	0.0	51.4	-0.55	-8.59	4.57e-03	5.19e-03	2.03e-03	3.12
130	98	8.91	3.62e-03	1.70e-04	-16.98	0.0	-0.48	1.26	7.68e-03	5.66e-03	-3.26e-04	8.89
		5.17	-3.26e-04	0.0	0.0	51.4	-0.48	-15.72	7.68e-03	5.66e-03	3.62e-03	5.17
130	102	5.53	2.48e-03	1.02e-04	-8.60	0.0	-0.78	0.09	4.97e-03	5.19e-03	-7.25e-05	5.53
		3.37	-7.25e-05	0.0	0.0	51.4	-0.78	-8.51	4.97e-03	5.19e-03	2.48e-03	3.37
130	104	5.46	2.34e-03	1.02e-04	-8.60	0.0	-0.63	0.06	4.85e-03	5.21e-03	-1.57e-04	5.46
		3.28	-1.57e-04	0.0	0.0	51.4	-0.63	-8.54	4.85e-03	5.21e-03	2.34e-03	3.28
130	105	8.39	3.37e-03	1.60e-04	-15.78	0.0	-0.48	1.08	7.21e-03	5.59e-03	-3.36e-04	8.37
		4.87	-3.36e-04	0.0	0.0	51.4	-0.48	-14.70	7.21e-03	5.59e-03	3.37e-03	4.87
130	106	5.50	2.41e-03	1.02e-04	-8.60	0.0	-0.65	0.07	4.92e-03	5.21e-03	-1.17e-04	5.50
		3.32	-1.17e-04	0.0	0.0	51.4	-0.65	-8.53	4.92e-03	5.21e-03	2.41e-03	3.32
130	107	8.42	3.45e-03	1.60e-04	-15.78	0.0	-0.50	1.09	7.28e-03	5.59e-03	-2.96e-04	8.40
		4.91	-2.96e-04	0.0	0.0	51.4	-0.50	-14.69	7.28e-03	5.59e-03	3.45e-03	4.91
130	108	9.99	-3.57e-03	1.37e-04	-15.78	0.0	-0.66	3.05	-0.01	-0.02	-4.47e-03	9.85
		7.28	-4.47e-03	1.75e-04	0.0	51.4	-0.66	-12.73	-0.01	-0.02	-3.57e-03	7.28
130	111	6.95	0.01	1.83e-04	-15.78	0.0	-0.35	-0.87	0.02	0.03	3.88e-03	6.95
		2.54	3.88e-03	-1.75e-04	0.0	51.4	-0.35	-16.65	0.02	0.03	0.01	2.54
130	121	9.26	-4.52e-03	1.48e-04	-15.78	0.0	2.19	1.87	0.02	0.03	-4.52e-03	9.20
		6.11	-7.09e-03	1.78e-04	0.0	51.4	2.19	-13.91	0.02	0.03	-7.09e-03	6.11
130	122	7.61	0.01	1.72e-04	-15.78	0.0	-3.20	0.31	-8.95e-03	-0.02	3.93e-03	7.61
		3.71	3.93e-03	-1.78e-04	0.0	51.4	-3.20	-15.47	-8.95e-03	-0.02	0.01	3.71
130	129	7.89	-2.64e-03	1.73e-04	-15.78	0.0	4.71	-0.34	0.02	0.02	-2.64e-03	7.89
		3.66	-3.04e-03	1.10e-04	0.0	51.4	4.71	-16.12	0.02	0.02	-3.04e-03	3.66
130	130	9.02	9.93e-03	1.47e-04	-15.78	0.0	-5.72	2.53	-5.75e-03	-0.01	2.04e-03	8.92
		6.16	2.04e-03	-1.10e-04	0.0	51.4	-5.72	-13.25	-5.75e-03	-0.01	9.93e-03	6.16
130	140	10.19	-4.45e-03	1.34e-04	-15.78	0.0	-0.68	3.30	-0.01	-0.02	-5.00e-03	10.03

		7.57	-5.00e-03	1.97e-04	0.0	51.4	-0.68	-12.48	-0.01	-0.02	-4.45e-03	7.57
130	143	6.77	0.01	1.86e-04	-15.78	0.0	-0.33	-1.11	0.03	0.03	4.41e-03	6.77
		2.25	4.41e-03	-1.98e-04	0.0	51.4	-0.33	-16.89	0.03	0.03	0.01	2.25
130	153	9.36	-5.06e-03	1.46e-04	-15.78	0.0	2.54	1.97	0.03	0.03	-5.06e-03	9.30
		6.26	-8.36e-03	2.02e-04	0.0	51.4	2.54	-13.81	0.03	0.03	-8.36e-03	6.26
130	154	7.50	0.02	1.74e-04	-15.78	0.0	-3.54	0.21	-0.01	-0.02	4.47e-03	7.50
		3.56	4.47e-03	-2.02e-04	0.0	51.4	-3.54	-15.57	-0.01	-0.02	0.02	3.56
130	161	7.82	-2.94e-03	1.75e-04	-15.78	0.0	5.37	-0.52	0.02	0.02	-2.94e-03	7.82
		3.51	-3.82e-03	1.24e-04	0.0	51.4	5.37	-16.30	0.02	0.02	-3.82e-03	3.51
130	162	9.10	0.01	1.45e-04	-15.78	0.0	-6.37	2.71	-7.38e-03	-0.01	2.35e-03	8.98
		6.31	2.35e-03	-1.25e-04	0.0	51.4	-6.37	-13.07	-7.38e-03	-0.01	0.01	6.31
130	172	10.15	-3.85e-03	1.34e-04	-15.78	0.0	-0.67	3.24	-0.01	-0.02	-4.96e-03	9.99
		7.52	-4.96e-03	2.01e-04	0.0	51.4	-0.67	-12.55	-0.01	-0.02	-3.85e-03	7.52
130	175	6.81	0.01	1.86e-04	-15.78	0.0	-0.34	-1.05	0.03	0.03	4.37e-03	6.81
		2.29	4.37e-03	-2.02e-04	0.0	51.4	-0.34	-16.83	0.03	0.03	0.01	2.29
130	185	9.36	-5.08e-03	1.46e-04	-15.78	0.0	2.54	1.94	0.03	0.03	-5.08e-03	9.29
		6.25	-7.60e-03	2.16e-04	0.0	51.4	2.54	-13.84	0.03	0.03	-7.60e-03	6.25
130	186	7.51	0.01	1.74e-04	-15.78	0.0	-3.55	0.24	-0.01	-0.02	4.48e-03	7.51
		3.57	4.48e-03	-2.16e-04	0.0	51.4	-3.55	-15.54	-0.01	-0.02	0.01	3.57
130	193	7.84	-2.94e-03	1.74e-04	-15.78	0.0	5.32	-0.50	0.02	0.02	-2.94e-03	7.84
		3.54	-3.29e-03	1.32e-04	0.0	51.4	5.32	-16.28	0.02	0.02	-3.29e-03	3.54
130	194	9.08	0.01	1.46e-04	-15.78	0.0	-6.32	2.68	-7.02e-03	-0.01	2.35e-03	8.96
		6.28	2.35e-03	-1.33e-04	0.0	51.4	-6.32	-13.10	-7.02e-03	-0.01	0.01	6.28
130	204	10.44	-4.77e-03	1.30e-04	-15.78	0.0	-0.69	3.58	-0.01	-0.03	-5.76e-03	10.26
		7.95	-5.76e-03	2.39e-04	0.0	51.4	-0.69	-12.20	-0.01	-0.03	-4.77e-03	7.95
130	207	6.55	0.01	1.90e-04	-15.78	0.0	-0.32	-1.39	0.03	0.04	5.17e-03	6.55
		1.86	5.17e-03	-2.39e-04	0.0	51.4	-0.32	-17.17	0.03	0.04	0.01	1.86
130	217	9.54	-5.99e-03	1.44e-04	-15.78	0.0	3.10	2.10	0.03	0.03	-5.99e-03	9.47
		6.50	-9.33e-03	2.64e-04	0.0	51.4	3.10	-13.68	0.03	0.03	-9.33e-03	6.50
130	218	7.34	0.02	1.76e-04	-15.78	0.0	-4.10	0.09	-0.01	-0.02	5.39e-03	7.34
		3.32	5.39e-03	-2.65e-04	0.0	51.4	-4.10	-15.69	-0.01	-0.02	0.02	3.32
130	225	7.76	-3.44e-03	1.76e-04	-15.78	0.0	6.30	-0.75	0.02	0.03	-3.44e-03	7.76
		3.33	-4.28e-03	1.61e-04	0.0	51.4	6.30	-16.53	0.02	0.03	-4.28e-03	3.33
130	226	9.18	0.01	1.44e-04	-15.78	0.0	-7.30	2.93	-9.52e-03	-0.02	2.85e-03	9.05
		6.49	2.85e-03	-1.62e-04	0.0	51.4	-7.30	-12.85	-9.52e-03	-0.02	0.01	6.49
131	4	9.24	6.56e-03	6.18e-04	-29.93	0.0	-5.14	-21.38	-0.04	8.23e-03	6.56e-03	9.24
		-9.44	-0.02	0.0	0.0	51.4	-5.14	-51.31	-0.04	8.23e-03	-0.02	-9.44
131	18	8.18	5.99e-03	5.34e-04	-24.54	0.0	-5.47	-19.00	-0.04	7.89e-03	5.99e-03	8.18
		-7.90	-0.01	0.0	0.0	51.4	-5.47	-43.55	-0.04	7.89e-03	-0.01	-7.90
131	28	8.86	5.90e-03	6.05e-04	-29.93	0.0	-3.46	-20.70	-0.05	8.30e-03	5.90e-03	8.86
		-9.47	-0.02	0.0	0.0	51.4	-3.46	-50.62	-0.05	8.30e-03	-0.02	-9.47
131	44	7.55	4.90e-03	5.13e-04	-24.54	0.0	-2.67	-17.86	-0.05	8.01e-03	4.90e-03	7.55
		-7.94	-0.02	0.0	0.0	51.4	-2.67	-42.41	-0.05	8.01e-03	-0.02	-7.94
131	45	2.78	1.69e-03	1.84e-04	-7.80	0.0	-0.81	-6.80	-0.03	5.09e-03	1.69e-03	2.78
		-2.73	-0.01	0.0	0.0	51.4	-0.81	-14.61	-0.03	5.09e-03	-0.01	-2.73
131	68	6.45	4.59e-03	4.29e-04	-20.57	0.0	-3.62	-14.94	-0.03	6.12e-03	4.59e-03	6.45
		-6.52	-0.01	0.0	0.0	51.4	-3.62	-35.51	-0.03	6.12e-03	-0.01	-6.52
131	75	5.74	4.21e-03	3.73e-04	-16.98	0.0	-3.83	-13.36	-0.03	5.89e-03	4.21e-03	5.74
		-5.49	-9.54e-03	0.0	0.0	51.4	-3.83	-30.34	-0.03	5.89e-03	-9.54e-03	-5.49
131	80	6.19	4.15e-03	4.21e-04	-20.57	0.0	-2.49	-14.49	-0.04	6.17e-03	4.15e-03	6.19
		-6.54	-0.01	0.0	0.0	51.4	-2.49	-35.05	-0.04	6.17e-03	-0.01	-6.54
131	85	3.12	2.03e-03	2.04e-04	-8.60	0.0	-1.22	-7.55	-0.03	5.19e-03	2.03e-03	3.12
		-2.97	-0.01	0.0	0.0	51.4	-1.22	-16.15	-0.03	5.19e-03	-0.01	-2.97
131	88	5.32	3.48e-03	3.59e-04	-16.98	0.0	-1.96	-12.60	-0.04	5.97e-03	3.48e-03	5.32
		-5.52	-0.01	0.0	0.0	51.4	-1.96	-29.58	-0.04	5.97e-03	-0.01	-5.52
131	98	5.17	3.62e-03	3.48e-04	-16.98	0.0	-2.50	-11.98	-0.03	5.66e-03	3.62e-03	5.17
		-5.35	-0.01	0.0	0.0	51.4	-2.50	-28.96	-0.03	5.66e-03	-0.01	-5.35
131	103	4.95	3.52e-03	3.30e-04	-15.78	0.0	-2.65	-11.48	-0.03	5.57e-03	3.52e-03	4.95
		-5.00	-0.01	0.0	0.0	51.4	-2.65	-27.26	-0.03	5.57e-03	-0.01	-5.00
131	104	3.28	2.34e-03	2.09e-04	-8.60	0.0	-1.72	-7.86	-0.02	5.21e-03	2.34e-03	3.28
		-2.97	-9.86e-03	0.0	0.0	51.4	-1.72	-16.46	-0.02	5.21e-03	-9.86e-03	-2.97
131	105	4.87	3.37e-03	3.27e-04	-15.78	0.0	-2.28	-11.33	-0.03	5.59e-03	3.37e-03	4.87
		-5.01	-0.01	0.0	0.0	51.4	-2.28	-27.11	-0.03	5.59e-03	-0.01	-5.01
131	106	3.32	2.41e-03	2.11e-04	-8.60	0.0	-1.84	-7.93	-0.02	5.21e-03	2.41e-03	3.32
		-2.97	-9.31e-03	0.0	0.0	51.4	-1.84	-16.54	-0.02	5.21e-03	-9.31e-03	-2.97
131	107	4.91	3.45e-03	3.28e-04	-15.78	0.0	-2.41	-11.40	-0.03	5.59e-03	3.45e-03	4.91
		-5.01	-0.01	0.0	0.0	51.4	-2.41	-27.18	-0.03	5.59e-03	-0.01	-5.01
131	108	7.28	0.14	3.49e-04	-15.78	0.0	-2.79	-11.36	0.25	-0.02	-3.57e-03	7.28
		-3.35	-3.57e-03	1.77e-04	0.0	51.4	-2.79	-27.15	0.25	-0.02	0.14	-3.35
131	112	6.99	0.19	3.44e-04	-15.78	0.0	-2.62	-11.23	0.35	-0.01	-2.95e-03	6.99
		-3.42	-2.95e-03	2.10e-04	0.0	51.4	-2.62	-27.01	0.35	-0.01	0.19	-3.42
131	114	3.26	0.01	3.24e-04	-15.78	0.0	-8.38	-12.88	-0.29	0.03	0.01	3.26
		-7.17	-0.15	-1.76e-04	0.0	51.4	-8.38	-28.66	-0.29	0.03	-0.15	-7.17
131	115	2.83	9.84e-03	3.12e-04	-15.78	0.0	-2.20	-11.58	-0.40	0.03	9.84e-03	2.83
		-6.60	-0.21	-2.10e-04	0.0	51.4	-2.20	-27.36	-0.40	0.03	-0.21	-6.60

131	129	3.66	0.12	2.93e-04	-15.78	0.0	9.37	-8.55	0.21	0.02	-3.04e-03	3.66
		-3.83	-3.04e-03	1.13e-04	0.0	51.4	9.37	-24.33	0.21	0.02	0.12	-3.83
131	130	6.16	9.93e-03	3.64e-04	-15.78	0.0	-14.18	-14.26	-0.26	-0.01	9.93e-03	6.16
		-6.19	-0.14	-1.12e-04	0.0	51.4	-14.18	-30.04	-0.26	-0.01	-0.14	-6.19
131	140	7.57	0.15	3.52e-04	-15.78	0.0	-2.83	-11.37	0.28	-0.02	-4.45e-03	7.57
		-3.14	-4.45e-03	2.00e-04	0.0	51.4	-2.83	-27.15	0.28	-0.02	0.15	-3.14
131	144	7.25	0.22	3.46e-04	-15.78	0.0	-2.63	-11.21	0.39	-0.02	-3.74e-03	7.25
		-3.22	-3.74e-03	2.37e-04	0.0	51.4	-2.63	-26.99	0.39	-0.02	0.22	-3.22
131	146	3.05	0.01	3.24e-04	-15.78	0.0	-9.13	-13.05	-0.32	0.03	0.01	3.05
		-7.44	-0.17	-1.98e-04	0.0	51.4	-9.13	-28.83	-0.32	0.03	-0.17	-7.44
131	147	2.57	0.01	3.10e-04	-15.78	0.0	-2.18	-11.59	-0.45	0.03	0.01	2.57
		-6.80	-0.24	-2.37e-04	0.0	51.4	-2.18	-27.37	-0.45	0.03	-0.24	-6.80
131	161	3.51	0.13	2.88e-04	-15.78	0.0	10.85	-8.19	0.24	0.02	-3.82e-03	3.51
		-3.68	-3.82e-03	1.28e-04	0.0	51.4	10.85	-23.97	0.24	0.02	0.13	-3.68
131	162	6.31	0.01	3.68e-04	-15.78	0.0	-15.66	-14.61	-0.29	-0.01	0.01	6.31
		-6.33	-0.15	-1.27e-04	0.0	51.4	-15.66	-30.39	-0.29	-0.01	-0.15	-6.33
131	172	7.52	0.14	3.51e-04	-15.78	0.0	-2.81	-11.45	0.26	-0.02	-3.85e-03	7.52
		-3.14	-3.85e-03	2.04e-04	0.0	51.4	-2.81	-27.23	0.26	-0.02	0.14	-3.14
131	178	3.08	0.01	3.25e-04	-15.78	0.0	-9.04	-12.94	-0.29	0.03	0.01	3.08
		-7.42	-0.15	-2.02e-04	0.0	51.4	-9.04	-28.73	-0.29	0.03	-0.15	-7.42
131	184	6.71	0.20	3.39e-04	-15.78	0.0	-2.35	-11.30	0.37	0.04	-3.69e-03	6.71
		-3.56	-3.69e-03	2.58e-04	0.0	51.4	-2.35	-27.08	0.37	0.04	0.20	-3.56
131	187	3.10	0.01	3.17e-04	-15.78	0.0	-2.46	-11.51	-0.42	-0.02	0.01	3.10
		-6.46	-0.22	-2.58e-04	0.0	51.4	-2.46	-27.29	-0.42	-0.02	-0.22	-6.46
131	193	3.54	0.12	2.88e-04	-15.78	0.0	10.74	-8.24	0.22	0.02	-3.29e-03	3.54
		-3.70	-3.29e-03	1.36e-04	0.0	51.4	10.74	-24.02	0.22	0.02	0.12	-3.70
131	194	6.28	0.01	3.68e-04	-15.78	0.0	-15.55	-14.57	-0.28	-0.01	0.01	6.28
		-6.32	-0.14	-1.35e-04	0.0	51.4	-15.55	-30.35	-0.28	-0.01	-0.14	-6.32
131	204	7.95	0.16	3.54e-04	-15.78	0.0	-2.86	-11.48	0.29	-0.03	-4.77e-03	7.95
		-2.82	-4.77e-03	2.41e-04	0.0	51.4	-2.86	-27.26	0.29	-0.03	0.16	-2.82
131	210	2.78	0.02	3.24e-04	-15.78	0.0	-10.14	-13.17	-0.33	0.04	0.02	2.78
		-7.83	-0.17	-2.40e-04	0.0	51.4	-10.14	-28.95	-0.33	0.04	-0.17	-7.83
131	216	7.05	0.24	3.40e-04	-15.78	0.0	-2.19	-11.27	0.43	0.04	-4.79e-03	7.05
		-3.26	-4.79e-03	3.15e-04	0.0	51.4	-2.19	-27.05	0.43	0.04	0.24	-3.26
131	219	2.77	0.01	3.16e-04	-15.78	0.0	-2.63	-11.54	-0.49	-0.03	0.01	2.77
		-6.76	-0.26	-3.15e-04	0.0	51.4	-2.63	-27.32	-0.49	-0.03	-0.26	-6.76
131	225	3.33	0.14	2.82e-04	-15.78	0.0	12.95	-7.71	0.26	0.03	-4.28e-03	3.33
		-3.46	-4.28e-03	1.65e-04	0.0	51.4	12.95	-23.50	0.26	0.03	0.14	-3.46
131	226	6.49	0.01	3.75e-04	-15.78	0.0	-17.77	-15.09	-0.31	-0.02	0.01	6.49
		-6.56	-0.17	-1.64e-04	0.0	51.4	-17.77	-30.87	-0.31	-0.02	-0.17	-6.56
132	4	5.53	0.05	-3.32e-04	-15.03	0.0	-5.38	29.85	0.33	-3.31e-03	-0.12	-5.95
		-5.95	-0.12	-7.20e-06	0.0	51.4	-5.38	14.82	0.33	-3.31e-03	0.05	5.53
132	28	5.10	0.05	-3.29e-04	-15.03	0.0	-5.40	30.27	0.30	-3.76e-03	-0.10	-6.59
		-6.59	-0.10	-6.22e-06	0.0	51.4	-5.40	15.23	0.30	-3.76e-03	0.05	5.10
132	53	1.80	0.02	-1.12e-04	-4.00	0.0	-2.41	9.74	0.11	-1.25e-03	-0.04	-2.18
		-2.18	-0.04	-2.26e-06	0.0	51.4	-2.41	5.75	0.11	-1.25e-03	0.02	1.80
132	68	3.86	0.04	-2.32e-04	-10.34	0.0	-3.85	20.79	0.23	-2.33e-03	-0.08	-4.17
		-4.17	-0.08	-5.01e-06	0.0	51.4	-3.85	10.45	0.23	-2.33e-03	0.04	3.86
132	80	3.57	0.04	-2.30e-04	-10.34	0.0	-3.86	21.07	0.21	-2.63e-03	-0.07	-4.60
		-4.60	-0.07	-4.36e-06	0.0	51.4	-3.86	10.72	0.21	-2.63e-03	0.04	3.57
132	89	1.93	0.02	-1.20e-04	-4.39	0.0	-2.52	10.51	0.11	-1.34e-03	-0.04	-2.34
		-2.34	-0.04	-2.42e-06	0.0	51.4	-2.52	6.12	0.11	-1.34e-03	0.02	1.93
132	97	1.93	0.02	-1.20e-04	-4.39	0.0	-2.52	10.51	0.11	-1.34e-03	-0.04	-2.34
		-2.34	-0.04	-2.42e-06	0.0	51.4	-2.52	6.12	0.11	-1.34e-03	0.02	1.93
132	98	3.05	0.03	-1.91e-04	-8.56	0.0	-3.32	17.32	0.18	-2.01e-03	-0.06	-3.65
		-3.65	-0.06	-3.79e-06	0.0	51.4	-3.32	8.77	0.18	-2.01e-03	0.03	3.05
132	106	1.93	0.02	-1.20e-04	-4.39	0.0	-2.52	10.51	0.11	-1.34e-03	-0.04	-2.34
		-2.34	-0.04	-2.42e-06	0.0	51.4	-2.52	6.12	0.11	-1.34e-03	0.02	1.93
132	107	2.89	0.03	-1.81e-04	-7.96	0.0	-3.20	16.35	0.17	-1.91e-03	-0.06	-3.46
		-3.46	-0.06	-3.59e-06	0.0	51.4	-3.20	8.39	0.17	-1.91e-03	0.03	2.89
132	113	3.40	0.60	-2.50e-04	-7.96	0.0	-22.03	22.11	-1.02	-0.03	0.60	-7.06
		-7.06	0.07	-5.36e-04	0.0	51.4	-22.03	14.15	-1.02	-0.03	0.07	3.40
132	114	2.39	-0.01	-1.12e-04	-7.96	0.0	15.62	10.59	1.36	0.03	-0.72	0.13
		0.13	-0.72	5.29e-04	0.0	51.4	15.62	2.63	1.36	0.03	-0.01	2.39
132	124	4.67	0.07	-2.19e-04	-7.96	0.0	-2.06	15.07	0.19	3.30e-04	-0.08	-1.50
		-1.50	-0.08	-2.30e-03	0.0	51.4	-2.06	7.11	0.19	3.30e-04	0.07	4.67
132	125	1.60	0.31	-1.82e-04	-7.96	0.0	-14.41	20.45	-0.48	-0.02	0.31	-7.09
		-7.09	0.02	2.40e-03	0.0	51.4	-14.41	12.49	-0.48	-0.02	0.02	1.60
132	145	3.46	0.68	-2.58e-04	-7.96	0.0	-24.42	22.84	-1.17	-0.04	0.68	-7.51
		-7.51	0.07	-6.03e-04	0.0	51.4	-24.42	14.87	-1.17	-0.04	0.07	3.46
132	146	2.34	-0.02	-1.03e-04	-7.96	0.0	18.01	9.86	1.52	0.03	-0.80	0.58
		0.58	-0.80	5.96e-04	0.0	51.4	18.01	1.90	1.52	0.03	-0.02	2.33
132	156	4.89	0.07	-2.23e-04	-7.96	0.0	-1.92	14.91	0.20	5.70e-04	-0.08	-1.25
		-1.25	-0.08	-2.59e-03	0.0	51.4	-1.92	6.94	0.20	5.70e-04	0.07	4.89
132	157	1.44	0.35	-1.82e-04	-7.96	0.0	-15.84	20.97	-0.56	-0.02	0.35	-7.55

		-7.55	0.02	2.70e-03	0.0	51.4	-15.84	13.01	-0.56	-0.02	0.02	1.44
132	177	3.41	0.68	-2.58e-04	-7.96	0.0	-24.37	22.84	-1.17	-0.03	0.68	-7.49
		-7.49	0.07	-5.89e-04	0.0	51.4	-24.37	14.87	-1.17	-0.03	0.07	3.41
132	178	2.38	-0.02	-1.03e-04	-7.96	0.0	17.96	9.86	1.51	0.03	-0.80	0.56
		0.56	-0.80	5.82e-04	0.0	51.4	17.96	1.90	1.51	0.03	-0.02	2.37
132	181	3.22	0.57	-2.16e-04	-7.96	0.0	-22.56	22.33	-0.96	-0.02	0.57	-7.62
		-7.62	0.06	1.01e-03	0.0	51.4	-22.56	14.36	-0.96	-0.02	0.06	3.22
132	188	4.85	0.07	-2.22e-04	-7.96	0.0	-1.90	14.89	0.20	2.65e-04	-0.08	-1.25
		-1.25	-0.08	-2.56e-03	0.0	51.4	-1.90	6.93	0.20	2.65e-04	0.07	4.85
132	209	3.48	0.81	-2.72e-04	-7.96	0.0	-28.06	23.98	-1.40	-0.04	0.81	-8.19
		-8.19	0.08	-6.83e-04	0.0	51.4	-28.06	16.01	-1.40	-0.04	0.08	3.48
132	210	2.43	-0.02	-8.93e-05	-7.96	0.0	21.65	8.73	1.74	0.03	-0.93	1.26
		1.26	-0.93	6.76e-04	0.0	51.4	21.65	0.76	1.74	0.03	-0.02	2.31
132	213	3.28	0.70	-2.23e-04	-7.96	0.0	-26.48	23.56	-1.19	-0.03	0.70	-8.46
		-8.46	0.07	1.19e-03	0.0	51.4	-26.48	15.59	-1.19	-0.03	0.07	3.28
132	224	5.18	0.08	-2.18e-04	-7.96	0.0	-1.26	14.57	0.25	3.57e-03	-0.11	-0.93
		-0.93	-0.11	-2.98e-03	0.0	51.4	-1.26	6.61	0.25	3.57e-03	0.08	5.18
133	4	9.82	0.05	-1.45e-04	-15.03	0.0	-3.43	15.86	-0.10	-3.31e-03	0.05	5.53
		5.53	4.12e-04	-1.00e-06	0.0	51.4	-3.43	0.82	-0.10	-3.31e-03	4.12e-04	9.82
133	18	8.69	0.05	-1.27e-04	-12.36	0.0	-3.79	13.44	-0.09	-2.78e-03	0.05	4.96
		4.96	1.56e-04	-1.28e-06	0.0	51.4	-3.79	1.08	-0.09	-2.78e-03	1.56e-04	8.69
133	19	3.68	0.02	-5.18e-05	-4.00	0.0	-2.79	4.94	-0.04	-1.02e-03	0.02	2.17
		2.17	-1.67e-04	-1.00e-06	0.0	51.4	-2.79	0.95	-0.04	-1.02e-03	-1.67e-04	3.68
133	45	2.92	0.02	-4.50e-05	-4.00	0.0	-0.55	4.89	-0.03	-1.77e-03	0.02	1.44
		1.44	7.61e-04	0.0	0.0	51.4	-0.55	0.89	-0.03	-1.77e-03	7.61e-04	2.92
133	68	6.86	0.04	-1.01e-04	-10.34	0.0	-2.45	11.01	-0.07	-2.33e-03	0.04	3.86
		3.86	3.07e-04	0.0	0.0	51.4	-2.45	0.67	-0.07	-2.33e-03	3.07e-04	6.86
133	72	3.79	0.02	-5.42e-05	-4.39	0.0	-2.39	5.34	-0.04	-1.19e-03	0.02	2.18
		2.18	4.83e-06	0.0	0.0	51.4	-2.39	0.95	-0.04	-1.19e-03	4.83e-06	3.79
133	75	6.11	0.03	-8.89e-05	-8.56	0.0	-2.69	9.40	-0.06	-1.98e-03	0.03	3.48
		3.48	1.36e-04	0.0	0.0	51.4	-2.69	0.84	-0.06	-1.98e-03	1.36e-04	6.11
133	85	3.29	0.02	-4.97e-05	-4.39	0.0	-0.89	5.30	-0.04	-1.69e-03	0.02	1.69
		1.69	6.23e-04	0.0	0.0	51.4	-0.89	0.91	-0.04	-1.69e-03	6.23e-04	3.29
133	98	5.53	0.03	-8.21e-05	-8.56	0.0	-1.77	9.10	-0.06	-2.01e-03	0.03	3.05
		3.05	4.25e-04	0.0	0.0	51.4	-1.77	0.54	-0.06	-2.01e-03	4.25e-04	5.53
133	102	3.59	0.02	-5.24e-05	-4.39	0.0	-1.67	5.32	-0.04	-1.31e-03	0.02	1.98
		1.98	2.56e-04	0.0	0.0	51.4	-1.67	0.93	-0.04	-1.31e-03	2.56e-04	3.59
133	103	5.30	0.03	-7.83e-05	-7.96	0.0	-1.91	8.56	-0.06	-1.88e-03	0.03	2.94
		2.94	3.47e-04	0.0	0.0	51.4	-1.91	0.60	-0.06	-1.88e-03	3.47e-04	5.30
133	104	3.49	0.02	-5.15e-05	-4.39	0.0	-1.37	5.32	-0.04	-1.41e-03	0.02	1.89
		1.89	3.80e-04	0.0	0.0	51.4	-1.37	0.92	-0.04	-1.41e-03	3.80e-04	3.49
133	106	3.54	0.02	-5.19e-05	-4.39	0.0	-1.49	5.32	-0.04	-1.34e-03	0.02	1.93
		1.93	3.19e-04	0.0	0.0	51.4	-1.49	0.93	-0.04	-1.34e-03	3.19e-04	3.54
133	107	5.25	0.03	-7.78e-05	-7.96	0.0	-1.73	8.56	-0.06	-1.91e-03	0.03	2.89
		2.89	4.10e-04	0.0	0.0	51.4	-1.73	0.60	-0.06	-1.91e-03	4.10e-04	5.25
133	108	7.38	0.08	-1.56e-04	-7.96	0.0	-15.15	10.97	-0.15	-0.02	0.08	4.15
		4.15	4.24e-03	1.71e-04	0.0	51.4	-15.15	3.01	-0.15	-0.02	4.24e-03	7.38
133	111	3.15	-3.42e-03	-1.29e-05	-7.96	0.0	11.69	6.15	0.04	0.02	-0.02	1.64
		1.64	-0.02	-1.72e-04	0.0	51.4	11.69	-1.81	0.04	0.02	-3.42e-03	3.11
133	124	7.49	0.07	-1.31e-04	-7.96	0.0	-14.98	8.46	-0.13	3.30e-04	0.07	4.67
		4.67	-8.36e-04	8.68e-06	0.0	51.4	-14.98	0.50	-0.13	3.30e-04	-8.36e-04	7.49
133	127	3.00	1.66e-03	-2.80e-05	-7.96	0.0	11.53	8.66	0.02	-4.16e-03	-0.01	1.12
		1.12	-0.01	-9.17e-06	0.0	51.4	11.53	0.70	0.02	-4.16e-03	1.66e-03	3.00
133	140	7.65	0.09	-1.66e-04	-7.96	0.0	-16.83	11.28	-0.16	-0.03	0.09	4.31
		4.31	4.72e-03	1.93e-04	0.0	51.4	-16.83	3.31	-0.16	-0.03	4.72e-03	7.65
133	143	2.90	-3.90e-03	1.07e-05	-7.96	0.0	13.38	5.85	0.05	0.02	-0.03	1.48
		1.48	-0.03	-1.94e-04	0.0	51.4	13.38	-2.12	0.05	0.02	-3.90e-03	2.85
133	156	7.77	0.07	-1.38e-04	-7.96	0.0	-16.64	8.45	-0.14	5.70e-04	0.07	4.89
		4.89	-9.99e-04	9.46e-06	0.0	51.4	-16.64	0.48	-0.14	5.70e-04	-9.99e-04	7.77
133	159	2.73	1.82e-03	-2.31e-05	-7.96	0.0	13.18	8.68	0.03	-4.40e-03	-0.01	0.90
		0.90	-0.01	-9.94e-06	0.0	51.4	13.18	0.71	0.03	-4.40e-03	1.82e-03	2.72
133	172	7.56	0.09	-1.65e-04	-7.96	0.0	-16.52	11.26	-0.16	-0.03	0.09	4.25
		4.25	4.74e-03	1.99e-04	0.0	51.4	-16.52	3.30	-0.16	-0.03	4.74e-03	7.56
133	175	2.99	-3.92e-03	9.78e-06	-7.96	0.0	13.07	5.86	0.05	0.02	-0.03	1.54
		1.54	-0.03	-1.99e-04	0.0	51.4	13.07	-2.10	0.05	0.02	-3.92e-03	2.94
133	188	7.72	0.07	-1.37e-04	-7.96	0.0	-16.38	8.45	-0.14	2.65e-04	0.07	4.85
		4.85	-1.02e-03	7.66e-06	0.0	51.4	-16.38	0.49	-0.14	2.65e-04	-1.02e-03	7.72
133	191	2.78	1.84e-03	-2.39e-05	-7.96	0.0	12.93	8.67	0.03	-4.09e-03	-0.01	0.93
		0.93	-0.01	-8.15e-06	0.0	51.4	12.93	0.71	0.03	-4.09e-03	1.84e-03	2.78
133	204	7.91	0.10	-1.80e-04	-7.96	0.0	-18.93	11.72	-0.18	-0.03	0.10	4.45
		4.45	5.51e-03	2.36e-04	0.0	51.4	-18.93	3.76	-0.18	-0.03	5.51e-03	7.91
133	207	2.67	-4.69e-03	2.46e-05	-7.96	0.0	15.47	5.40	0.07	0.02	-0.04	1.34
		1.34	-0.04	-2.37e-04	0.0	51.4	15.47	-2.57	0.07	0.02	-4.69e-03	2.59
133	220	8.11	0.08	-1.47e-04	-7.96	0.0	-18.74	8.43	-0.15	5.56e-04	0.08	5.17
		5.17	-1.29e-03	7.75e-06	0.0	51.4	-18.74	0.46	-0.15	5.56e-04	-1.29e-03	8.11

133	227	2.56	2.14e-03	-2.14e-05	-7.96	0.0	14.69	8.85	0.04	-7.39e-03	-0.02	0.61
		0.61	-0.02	-1.64e-05	0.0	51.4	14.69	0.89	0.04	-7.39e-03	2.14e-03	2.56
134	4	11.15	3.59e-03	-2.66e-05	-15.03	0.0	-3.53	8.81	6.18e-03	-3.31e-03	4.12e-04	9.82
		9.82	4.12e-04	-1.21e-06	0.0	51.4	-3.53	-6.23	6.18e-03	-3.31e-03	3.59e-03	10.48
134	17	9.33	3.43e-03	-2.25e-05	-12.36	0.0	-4.33	7.34	6.45e-03	-2.60e-03	1.19e-04	8.21
		8.21	1.19e-04	-1.44e-06	0.0	51.4	-4.33	-5.02	6.45e-03	-2.60e-03	3.43e-03	8.81
134	19	4.14	1.99e-03	-8.69e-06	-4.00	0.0	-3.64	2.67	4.20e-03	-1.02e-03	-1.67e-04	3.68
		3.68	-1.67e-04	-1.12e-06	0.0	51.4	-3.64	-1.32	4.20e-03	-1.02e-03	1.99e-03	4.03
134	45	3.25	7.61e-04	-5.92e-06	-4.00	0.0	0.35	2.27	-1.17e-03	-1.77e-03	7.61e-04	2.92
		2.92	1.59e-04	0.0	0.0	51.4	0.35	-1.73	-1.17e-03	-1.77e-03	1.59e-04	3.06
134	46	3.76	7.98e-04	-6.25e-06	-4.00	0.0	0.35	2.36	-1.00e-03	-1.95e-03	7.98e-04	3.40
		3.40	2.83e-04	0.0	0.0	51.4	0.35	-1.64	-1.00e-03	-1.95e-03	2.83e-04	3.59
134	68	7.78	2.50e-03	-1.83e-05	-10.34	0.0	-2.52	6.08	4.26e-03	-2.33e-03	3.07e-04	6.86
		6.86	3.07e-04	0.0	0.0	51.4	-2.52	-4.26	4.26e-03	-2.33e-03	2.50e-03	7.32
134	72	4.26	1.76e-03	-8.86e-06	-4.39	0.0	-2.93	2.83	3.42e-03	-1.19e-03	4.83e-06	3.79
		3.79	4.83e-06	0.0	0.0	51.4	-2.93	-1.56	3.42e-03	-1.19e-03	1.76e-03	4.12
134	74	6.57	2.39e-03	-1.56e-05	-8.56	0.0	-3.06	5.10	4.43e-03	-1.86e-03	1.11e-04	5.79
		5.79	1.11e-04	0.0	0.0	51.4	-3.06	-3.46	4.43e-03	-1.86e-03	2.39e-03	6.21
134	85	3.67	6.23e-04	-7.04e-06	-4.39	0.0	-0.27	2.56	-1.68e-04	-1.69e-03	6.23e-04	3.29
		3.29	5.37e-04	0.0	0.0	51.4	-0.27	-1.83	-1.68e-04	-1.69e-03	5.37e-04	3.48
134	86	4.01	6.48e-04	-7.26e-06	-4.39	0.0	-0.27	2.62	-5.48e-05	-1.81e-03	6.48e-04	3.61
		3.61	6.20e-04	0.0	0.0	51.4	-0.27	-1.77	-5.48e-05	-1.81e-03	6.20e-04	3.83
134	98	6.27	1.77e-03	-1.47e-05	-8.56	0.0	-1.58	4.97	2.62e-03	-2.01e-03	4.25e-04	5.53
		5.53	4.25e-04	0.0	0.0	51.4	-1.58	-3.59	2.62e-03	-2.01e-03	1.77e-03	5.89
134	102	4.02	1.27e-03	-8.11e-06	-4.39	0.0	-1.75	2.72	1.97e-03	-1.31e-03	2.56e-04	3.59
		3.59	2.56e-04	0.0	0.0	51.4	-1.75	-1.67	1.97e-03	-1.31e-03	1.27e-03	3.86
134	103	6.00	1.81e-03	-1.39e-05	-7.96	0.0	-1.86	4.67	2.84e-03	-1.88e-03	3.47e-04	5.30
		5.30	3.47e-04	0.0	0.0	51.4	-1.86	-3.29	2.84e-03	-1.88e-03	1.81e-03	5.65
134	104	3.91	1.02e-03	-7.75e-06	-4.39	0.0	-1.22	2.67	1.25e-03	-1.41e-03	3.80e-04	3.49
		3.49	3.80e-04	0.0	0.0	51.4	-1.22	-1.72	1.25e-03	-1.41e-03	1.02e-03	3.73
134	106	3.97	1.14e-03	-7.93e-06	-4.39	0.0	-1.45	2.70	1.60e-03	-1.34e-03	3.19e-04	3.54
		3.54	3.19e-04	0.0	0.0	51.4	-1.45	-1.70	1.60e-03	-1.34e-03	1.14e-03	3.80
134	107	5.94	1.68e-03	-1.37e-05	-7.96	0.0	-1.56	4.64	2.48e-03	-1.91e-03	4.10e-04	5.25
		5.25	4.10e-04	0.0	0.0	51.4	-1.56	-3.32	2.48e-03	-1.91e-03	1.68e-03	5.59
134	108	9.54	4.24e-03	-6.85e-05	-7.96	0.0	-18.17	8.30	-9.86e-03	-0.02	4.24e-03	7.38
		7.38	-9.56e-04	1.75e-04	0.0	51.4	-18.17	0.33	-9.86e-03	-0.02	-9.56e-04	9.54
134	111	3.15	4.32e-03	7.90e-05	-7.96	0.0	15.05	0.99	0.01	0.02	-3.42e-03	3.11
		1.64	-3.42e-03	-1.75e-04	0.0	51.4	15.05	-6.98	0.01	0.02	4.32e-03	1.64
134	114	3.95	7.37e-03	6.63e-05	-7.96	0.0	7.71	1.81	0.02	0.03	-5.36e-03	3.85
		2.72	-5.36e-03	-1.74e-04	0.0	51.4	7.71	-6.15	0.02	0.03	7.37e-03	2.72
134	124	9.17	5.57e-03	-4.80e-05	-7.96	0.0	-21.63	7.32	0.01	3.30e-04	-8.36e-04	7.49
		7.49	-8.36e-04	7.49e-06	0.0	51.4	-21.63	-0.65	0.01	3.30e-04	5.57e-03	9.16
134	126	7.47	8.08e-03	-2.09e-05	-7.96	0.0	-14.65	5.43	0.02	0.02	-3.61e-03	6.53
		6.53	-3.61e-03	-1.06e-04	0.0	51.4	-14.65	-2.53	0.02	0.02	8.08e-03	7.26
134	127	3.14	1.66e-03	5.54e-05	-7.96	0.0	18.50	1.97	-7.41e-03	-4.16e-03	1.66e-03	3.00
		2.02	-2.21e-03	-8.16e-06	0.0	51.4	18.50	-5.99	-7.41e-03	-4.16e-03	-2.21e-03	2.02
134	140	10.03	4.72e-03	-7.75e-05	-7.96	0.0	-20.25	8.76	-0.01	-0.03	4.72e-03	7.65
		7.65	-1.29e-03	1.97e-04	0.0	51.4	-20.25	0.79	-0.01	-0.03	-1.29e-03	10.03
134	143	2.86	4.66e-03	8.83e-05	-7.96	0.0	17.12	0.53	0.02	0.02	-3.90e-03	2.85
		1.14	-3.90e-03	-1.98e-04	0.0	51.4	17.12	-7.44	0.02	0.02	4.66e-03	1.14
134	146	3.74	8.09e-03	7.40e-05	-7.96	0.0	8.88	1.45	0.03	0.03	-6.08e-03	3.67
		2.36	-6.08e-03	-1.96e-04	0.0	51.4	8.88	-6.51	0.03	0.03	8.09e-03	2.36
134	156	9.61	6.07e-03	-5.33e-05	-7.96	0.0	-24.13	7.65	0.01	5.70e-04	-9.99e-04	7.77
		7.77	-9.99e-04	8.11e-06	0.0	51.4	-24.13	-0.31	0.01	5.70e-04	6.07e-03	9.60
134	158	7.66	8.89e-03	-2.18e-05	-7.96	0.0	-16.27	5.53	0.02	0.02	-4.12e-03	6.69
		6.69	-4.12e-03	-1.20e-04	0.0	51.4	-16.27	-2.43	0.02	0.02	8.89e-03	7.47
134	159	2.82	1.82e-03	6.16e-05	-7.96	0.0	21.00	1.64	-8.67e-03	-4.40e-03	1.82e-03	2.72
		1.57	-2.70e-03	-8.78e-06	0.0	51.4	21.00	-6.33	-8.67e-03	-4.40e-03	-2.70e-03	1.57
134	172	9.91	4.74e-03	-7.66e-05	-7.96	0.0	-19.64	8.69	-0.01	-0.03	4.74e-03	7.56
		7.56	-1.29e-03	2.02e-04	0.0	51.4	-19.64	0.72	-0.01	-0.03	-1.29e-03	9.91
134	175	2.95	4.66e-03	8.75e-05	-7.96	0.0	16.51	0.60	0.02	0.02	-3.92e-03	2.94
		1.27	-3.92e-03	-2.02e-04	0.0	51.4	16.51	-7.37	0.02	0.02	4.66e-03	1.27
134	178	3.81	8.05e-03	7.35e-05	-7.96	0.0	8.43	1.50	0.03	0.03	-6.09e-03	3.74
		2.45	-6.09e-03	-2.01e-04	0.0	51.4	8.43	-6.46	0.03	0.03	8.05e-03	2.45
134	188	9.52	6.05e-03	-5.24e-05	-7.96	0.0	-23.70	7.59	0.01	2.65e-04	-1.02e-03	7.72
		7.72	-1.02e-03	6.20e-06	0.0	51.4	-23.70	-0.37	0.01	2.65e-04	6.05e-03	9.52
134	191	2.88	1.84e-03	6.06e-05	-7.96	0.0	20.57	1.69	-8.67e-03	-4.09e-03	1.84e-03	2.78
		1.66	-2.69e-03	-6.86e-06	0.0	51.4	20.57	-6.27	-8.67e-03	-4.09e-03	-2.69e-03	1.66
134	194	7.89	8.88e-03	-2.43e-05	-7.96	0.0	-17.04	5.74	0.02	0.01	-4.09e-03	6.84
		6.84	-4.09e-03	-1.30e-04	0.0	51.4	-17.04	-2.22	0.02	0.01	8.88e-03	7.72
134	204	10.59	5.51e-03	-9.05e-05	-7.96	0.0	-22.44	9.36	-0.01	-0.03	5.51e-03	7.91
		7.91	-1.82e-03	2.40e-04	0.0	51.4	-22.44	1.39	-0.01	-0.03	-1.82e-03	10.59
134	207	2.59	5.19e-03	1.01e-04	-7.96	0.0	19.31	-0.07	0.02	0.02	-4.69e-03	2.59
		0.58	-4.69e-03	-2.40e-04	0.0	51.4	19.31	-8.04	0.02	0.02	5.19e-03	0.58
134	210	3.54	9.13e-03	8.51e-05	-7.96	0.0	9.92	0.98	0.03	0.03	-7.23e-03	3.52

		1.95	-7.23e-03	-2.38e-04	0.0	51.4	9.92	-6.98	0.03	0.03	9.13e-03	1.95
134	220	10.14	6.79e-03	-6.03e-05	-7.96	0.0	-27.24	8.07	0.02	5.56e-04	-1.29e-03	8.11
		8.11	-1.29e-03	5.94e-06	0.0	51.4	-27.24	0.11	0.02	5.56e-04	6.79e-03	10.14
134	223	2.44	2.11e-03	6.96e-05	-7.96	0.0	24.11	1.21	-0.01	-4.38e-03	2.11e-03	2.39
		1.03	-3.43e-03	-6.61e-06	0.0	51.4	24.11	-6.75	-0.01	-4.38e-03	-3.43e-03	1.03
134	226	8.20	0.01	-2.57e-05	-7.96	0.0	-19.52	5.90	0.03	0.02	-4.95e-03	7.10
		7.10	-4.95e-03	-1.59e-04	0.0	51.4	-19.52	-2.07	0.03	0.02	0.01	8.06
135	4	10.53	0.03	1.67e-04	-15.03	0.0	-4.06	1.69	0.05	-3.31e-03	3.59e-03	10.48
		7.49	3.59e-03	0.0	0.0	51.4	-4.06	-13.34	0.05	-3.31e-03	0.03	7.49
135	18	9.37	0.03	1.46e-04	-12.36	0.0	-5.01	1.24	0.04	-2.78e-03	3.56e-03	9.34
		6.80	3.56e-03	-1.22e-06	0.0	51.4	-5.01	-11.11	0.04	-2.78e-03	0.03	6.80
135	45	3.06	6.67e-03	5.45e-05	-4.00	0.0	0.94	-0.08	0.01	-1.77e-03	1.59e-04	3.06
		2.00	1.59e-04	0.0	0.0	51.4	0.94	-4.07	0.01	-1.77e-03	6.67e-03	2.00
135	68	7.35	0.02	1.17e-04	-10.34	0.0	-2.87	1.11	0.03	-2.33e-03	2.50e-03	7.32
		5.24	2.50e-03	0.0	0.0	51.4	-2.87	-9.23	0.03	-2.33e-03	0.02	5.24
135	75	6.58	0.02	1.03e-04	-8.56	0.0	-3.50	0.81	0.03	-1.98e-03	2.47e-03	6.56
		4.78	2.47e-03	0.0	0.0	51.4	-3.50	-7.75	0.03	-1.98e-03	0.02	4.78
135	85	3.48	8.21e-03	5.95e-05	-4.39	0.0	0.13	0.01	0.01	-1.69e-03	5.37e-04	3.48
		2.36	5.37e-04	0.0	0.0	51.4	0.13	-4.38	0.01	-1.69e-03	8.21e-03	2.36
135	98	5.91	0.01	9.58e-05	-8.56	0.0	-1.64	0.89	0.03	-2.01e-03	1.77e-03	5.89
		4.14	1.77e-03	0.0	0.0	51.4	-1.64	-7.67	0.03	-2.01e-03	0.01	4.14
135	103	5.67	0.01	9.12e-05	-7.96	0.0	-1.98	0.79	0.02	-1.88e-03	1.81e-03	5.65
		4.01	1.81e-03	0.0	0.0	51.4	-1.98	-7.17	0.02	-1.88e-03	0.01	4.01
135	104	3.73	9.67e-03	6.07e-05	-4.39	0.0	-1.09	0.08	0.02	-1.41e-03	1.02e-03	3.73
		2.65	1.02e-03	0.0	0.0	51.4	-1.09	-4.31	0.02	-1.41e-03	9.67e-03	2.65
135	106	3.80	0.01	6.11e-05	-4.39	0.0	-1.40	0.10	0.02	-1.34e-03	1.14e-03	3.80
		2.72	1.14e-03	0.0	0.0	51.4	-1.40	-4.29	0.02	-1.34e-03	0.01	2.72
135	107	5.60	0.01	9.09e-05	-7.96	0.0	-1.61	0.77	0.02	-1.91e-03	1.68e-03	5.59
		3.94	1.68e-03	0.0	0.0	51.4	-1.61	-7.19	0.02	-1.91e-03	0.01	3.94
135	108	10.72	5.55e-03	3.06e-05	-7.96	0.0	-15.09	6.07	-5.19e-03	-0.02	-9.56e-04	9.54
		9.54	-9.56e-04	1.77e-04	0.0	51.4	-15.09	-1.90	-5.19e-03	-0.02	5.55e-03	10.61
135	111	1.64	0.02	1.51e-04	-7.96	0.0	11.88	-4.52	0.05	0.02	4.32e-03	1.64
		-2.73	4.32e-03	-1.78e-04	0.0	51.4	11.88	-12.48	0.05	0.02	0.02	-2.73
135	122	3.54	0.03	1.26e-04	-7.96	0.0	1.47	-1.92	-7.67e-03	0.02	7.23e-03	3.54
		0.50	7.23e-03	-1.80e-04	0.0	51.4	1.47	-9.88	-7.67e-03	0.02	0.03	0.50
135	124	10.20	0.02	4.56e-05	-7.96	0.0	-21.95	5.70	-1.31e-04	3.30e-04	5.57e-03	9.16
		9.16	5.57e-03	6.02e-06	0.0	51.4	-21.95	-2.27	-1.31e-04	3.30e-04	0.02	10.04
135	125	3.91	6.30e-03	1.05e-04	-7.96	0.0	13.87	-1.63	0.03	-0.02	-4.72e-03	3.91
		1.03	-4.72e-03	1.09e-04	0.0	51.4	13.87	-9.60	0.03	-0.02	6.30e-03	1.03
135	127	2.02	0.01	1.36e-04	-7.96	0.0	18.74	-4.15	0.05	-4.16e-03	-2.21e-03	2.02
		-2.16	-2.21e-03	-6.46e-06	0.0	51.4	18.74	-12.11	0.05	-4.16e-03	0.01	-2.16
135	140	11.49	4.46e-03	2.31e-05	-7.96	0.0	-16.77	6.73	-8.90e-03	-0.03	-1.29e-03	10.03
		10.03	-1.29e-03	2.00e-04	0.0	51.4	-16.77	-1.23	-8.90e-03	-0.03	4.46e-03	11.44
135	143	1.14	0.02	1.59e-04	-7.96	0.0	13.56	-5.19	0.06	0.02	4.66e-03	1.14
		-3.57	4.66e-03	-2.00e-04	0.0	51.4	13.56	-13.15	0.06	0.02	0.02	-3.57
135	154	3.29	0.03	1.31e-04	-7.96	0.0	1.79	-2.25	-0.01	0.02	7.95e-03	3.29
		0.08	7.95e-03	-2.04e-04	0.0	51.4	1.79	-10.21	-0.01	0.02	0.03	0.08
135	156	10.89	0.02	4.00e-05	-7.96	0.0	-24.49	6.31	-3.22e-03	5.70e-04	6.07e-03	9.60
		9.60	6.07e-03	6.44e-06	0.0	51.4	-24.49	-1.65	-3.22e-03	5.70e-04	0.02	10.80
135	157	3.71	5.32e-03	1.07e-04	-7.96	0.0	15.81	-1.93	0.04	-0.02	-5.53e-03	3.71
		0.67	-5.53e-03	1.24e-04	0.0	51.4	15.81	-9.89	0.04	-0.02	5.32e-03	0.67
135	159	1.57	0.01	1.42e-04	-7.96	0.0	21.28	-4.76	0.05	-4.40e-03	-2.70e-03	1.57
		-2.92	-2.70e-03	-6.88e-06	0.0	51.4	21.28	-12.73	0.05	-4.40e-03	0.01	-2.92
135	172	11.30	5.19e-03	2.38e-05	-7.96	0.0	-16.04	6.58	-7.21e-03	-0.03	-1.29e-03	9.91
		9.91	-1.29e-03	2.04e-04	0.0	51.4	-16.04	-1.39	-7.21e-03	-0.03	5.19e-03	11.24
135	175	1.27	0.02	1.58e-04	-7.96	0.0	12.83	-5.03	0.06	0.02	4.66e-03	1.27
		-3.37	4.66e-03	-2.04e-04	0.0	51.4	12.83	-12.99	0.06	0.02	0.02	-3.37
135	186	3.39	0.03	1.31e-04	-7.96	0.0	1.06	-2.13	-0.01	0.02	8.06e-03	3.39
		0.24	8.06e-03	-2.18e-04	0.0	51.4	1.06	-10.10	-0.01	0.02	0.03	0.24
135	188	10.75	0.02	4.08e-05	-7.96	0.0	-24.04	6.20	-2.44e-03	2.65e-04	6.05e-03	9.52
		9.52	6.05e-03	4.47e-06	0.0	51.4	-24.04	-1.77	-2.44e-03	2.65e-04	0.02	10.65
135	191	1.66	0.01	1.41e-04	-7.96	0.0	20.83	-4.65	0.05	-4.09e-03	-2.69e-03	1.66
		-2.78	-2.69e-03	-4.91e-06	0.0	51.4	20.83	-12.61	0.05	-4.09e-03	0.01	-2.78
135	193	3.45	5.44e-03	1.10e-04	-7.96	0.0	16.44	-2.26	0.05	-0.02	-5.51e-03	3.45
		0.24	-5.51e-03	1.33e-04	0.0	51.4	16.44	-10.23	0.05	-0.02	5.44e-03	0.24
135	204	12.41	4.04e-03	-1.65e-05	-7.96	0.0	-18.12	7.50	-0.01	-0.03	-1.82e-03	10.59
		10.59	-1.82e-03	2.42e-04	0.0	51.4	-18.12	-0.46	-0.01	-0.03	4.04e-03	12.40
135	207	0.58	0.02	1.69e-04	-7.96	0.0	14.90	-5.96	0.06	0.02	5.19e-03	0.58
		-4.53	5.19e-03	-2.42e-04	0.0	51.4	14.90	-13.92	0.06	0.02	0.02	-4.53
135	218	3.01	0.03	1.39e-04	-7.96	0.0	1.27	-2.64	-0.02	0.02	9.31e-03	3.01
		-0.39	9.31e-03	-2.67e-04	0.0	51.4	1.27	-10.61	-0.02	0.02	0.03	-0.39
135	220	11.75	0.02	3.27e-05	-7.96	0.0	-27.63	7.06	-6.75e-03	5.56e-04	6.79e-03	10.14
		10.14	6.79e-03	3.85e-06	0.0	51.4	-27.63	-0.90	-6.75e-03	5.56e-04	0.02	11.73
135	223	1.03	0.01	1.49e-04	-7.96	0.0	24.41	-5.52	0.06	-4.38e-03	-3.43e-03	1.03
		-3.85	-3.43e-03	-4.29e-06	0.0	51.4	24.41	-13.48	0.06	-4.38e-03	0.01	-3.85

135	225	3.11	4.08e-03	1.13e-04	-7.96	0.0	19.46	-2.74	0.06	-0.02	-6.80e-03	3.11
		-0.34	-6.80e-03	1.62e-04	0.0	51.4	19.46	-10.70	0.06	-0.02	4.08e-03	-0.34
136	4	7.49	0.03	3.87e-04	-15.03	0.0	-7.51	-13.96	-0.13	-3.31e-03	0.03	7.49
		-3.55	-0.04	2.10e-06	0.0	51.4	-7.51	-28.99	-0.13	-3.31e-03	-0.04	-3.55
136	18	6.80	0.03	3.44e-04	-12.36	0.0	-8.75	-12.86	-0.11	-2.78e-03	0.03	6.80
		-2.99	-0.03	1.58e-06	0.0	51.4	-8.75	-25.22	-0.11	-2.78e-03	-0.03	-2.99
136	28	6.83	0.02	3.65e-04	-15.03	0.0	-2.58	-12.70	-0.14	-3.76e-03	0.02	6.83
		-3.56	-0.05	2.47e-06	0.0	51.4	-2.58	-27.74	-0.14	-3.76e-03	-0.05	-3.56
136	45	2.00	6.67e-03	1.11e-04	-4.00	0.0	1.70	-4.00	-0.06	-1.77e-03	6.67e-03	2.00
		-1.09	-0.03	0.0	0.0	51.4	1.70	-8.00	-0.06	-1.77e-03	-0.03	-1.09
136	68	5.24	0.02	2.70e-04	-10.34	0.0	-5.24	-9.80	-0.09	-2.33e-03	0.02	5.24
		-2.46	-0.03	1.50e-06	0.0	51.4	-5.24	-20.15	-0.09	-2.33e-03	-0.03	-2.46
136	75	4.78	0.02	2.41e-04	-8.56	0.0	-6.07	-9.07	-0.08	-1.98e-03	0.02	4.78
		-2.09	-0.02	1.15e-06	0.0	51.4	-6.07	-17.63	-0.08	-1.98e-03	-0.02	-2.09
136	80	4.80	0.02	2.55e-04	-10.34	0.0	-1.95	-8.96	-0.10	-2.63e-03	0.02	4.80
		-2.47	-0.03	1.74e-06	0.0	51.4	-1.95	-19.31	-0.10	-2.63e-03	-0.03	-2.47
136	85	2.36	8.21e-03	1.26e-04	-4.39	0.0	0.31	-4.68	-0.06	-1.69e-03	8.21e-03	2.36
		-1.18	-0.02	1.03e-06	0.0	51.4	0.31	-9.07	-0.06	-1.69e-03	-0.02	-1.18
136	98	4.14	0.01	2.17e-04	-8.56	0.0	-3.06	-7.74	-0.08	-2.01e-03	0.01	4.14
		-2.04	-0.03	1.46e-06	0.0	51.4	-3.06	-16.30	-0.08	-2.01e-03	-0.03	-2.04
136	103	4.01	0.01	2.08e-04	-7.96	0.0	-3.53	-7.54	-0.08	-1.88e-03	0.01	4.01
		-1.91	-0.02	1.32e-06	0.0	51.4	-3.53	-15.51	-0.08	-1.88e-03	-0.02	-1.91
136	104	2.65	9.67e-03	1.36e-04	-4.39	0.0	-1.75	-5.24	-0.06	-1.41e-03	9.67e-03	2.65
		-1.17	-0.02	1.02e-06	0.0	51.4	-1.75	-9.63	-0.06	-1.41e-03	-0.02	-1.17
136	106	2.72	0.01	1.38e-04	-4.39	0.0	-2.27	-5.38	-0.06	-1.34e-03	0.01	2.72
		-1.17	-0.02	1.02e-06	0.0	51.4	-2.27	-9.77	-0.06	-1.34e-03	-0.02	-1.17
136	107	3.94	0.01	2.06e-04	-7.96	0.0	-2.95	-7.40	-0.08	-1.91e-03	0.01	3.94
		-1.91	-0.02	1.40e-06	0.0	51.4	-2.95	-15.37	-0.08	-1.91e-03	-0.02	-1.91
136	108	10.61	0.15	2.52e-04	-7.96	0.0	-22.73	-4.51	0.24	-0.02	5.55e-03	10.61
		3.65	5.55e-03	1.81e-04	0.0	51.4	-22.73	-12.47	0.24	-0.02	0.15	3.65
136	112	9.77	0.17	2.28e-04	-7.96	0.0	-20.56	-4.03	0.27	-0.02	6.16e-03	9.77
		3.57	6.16e-03	2.14e-04	0.0	51.4	-20.56	-12.00	0.27	-0.02	0.17	3.57
136	114	-0.87	0.03	1.91e-04	-7.96	0.0	2.72	-13.55	-0.29	0.03	0.03	-0.87
		-8.90	-0.14	-1.77e-04	0.0	51.4	2.72	-21.52	-0.29	0.03	-0.14	-8.90
136	115	-1.90	0.02	1.84e-04	-7.96	0.0	14.66	-10.78	-0.42	0.02	0.02	-1.90
		-7.40	-0.22	-2.11e-04	0.0	51.4	14.66	-18.74	-0.42	0.02	-0.22	-7.40
136	124	10.04	0.08	3.05e-04	-7.96	0.0	-33.56	-12.19	0.12	3.30e-04	0.02	10.04
		-2.26	0.02	6.63e-06	0.0	51.4	-33.56	-20.16	0.12	3.30e-04	0.08	-2.26
136	127	-1.31	0.01	1.07e-04	-7.96	0.0	27.67	-2.62	-0.28	-4.16e-03	0.01	-2.16
		-2.16	-0.13	-3.83e-06	0.0	51.4	27.67	-10.58	-0.28	-4.16e-03	-0.13	-2.16
136	140	11.44	0.17	2.58e-04	-7.96	0.0	-25.20	-4.14	0.28	-0.03	4.46e-03	11.44
		4.36	4.46e-03	2.04e-04	0.0	51.4	-25.20	-12.11	0.28	-0.03	0.17	4.36
136	144	10.50	0.19	2.30e-04	-7.96	0.0	-22.75	-3.60	0.31	-0.03	5.15e-03	10.50
		4.26	5.15e-03	2.41e-04	0.0	51.4	-22.75	-11.57	0.31	-0.03	0.19	4.26
136	146	-1.47	0.03	1.89e-04	-7.96	0.0	3.44	-14.32	-0.32	0.03	0.03	-1.47
		-9.78	-0.16	-1.99e-04	0.0	51.4	3.44	-22.29	-0.32	0.03	-0.16	-9.78
136	147	-2.63	0.02	1.81e-04	-7.96	0.0	16.86	-11.20	-0.47	0.02	0.02	-2.63
		-8.09	-0.24	-2.39e-04	0.0	51.4	16.86	-19.17	-0.47	0.02	-0.24	-8.09
136	156	10.80	0.10	3.17e-04	-7.96	0.0	-37.40	-12.80	0.15	5.70e-04	0.02	10.80
		-2.31	0.02	6.91e-06	0.0	51.4	-37.40	-20.76	0.15	5.70e-04	0.10	-2.31
136	159	-1.47	0.01	9.43e-05	-7.96	0.0	31.50	-2.01	-0.30	-4.40e-03	0.01	-2.92
		-2.92	-0.15	-4.11e-06	0.0	51.4	31.50	-9.97	-0.30	-4.40e-03	-0.15	-2.92
136	172	11.24	0.15	2.52e-04	-7.96	0.0	-24.47	-4.27	0.25	-0.03	5.19e-03	11.24
		4.35	5.19e-03	2.07e-04	0.0	51.4	-24.47	-12.23	0.25	-0.03	0.15	4.35
136	178	-1.33	0.03	1.93e-04	-7.96	0.0	2.97	-14.14	-0.29	0.03	0.03	-1.33
		-9.76	-0.14	-2.03e-04	0.0	51.4	2.97	-22.11	-0.29	0.03	-0.14	-9.76
136	184	8.73	0.18	2.00e-04	-7.96	0.0	-21.41	-3.17	0.29	-0.01	4.25e-03	8.73
		3.28	4.25e-03	2.63e-04	0.0	51.4	-21.41	-11.14	0.29	-0.01	0.18	3.28
136	187	-0.85	0.02	2.12e-04	-7.96	0.0	15.52	-11.63	-0.44	0.01	0.02	-0.85
		-7.11	-0.23	-2.60e-04	0.0	51.4	15.52	-19.60	-0.44	0.01	-0.23	-7.11
136	188	10.65	0.09	3.14e-04	-7.96	0.0	-36.92	-12.81	0.13	2.65e-04	0.02	10.65
		-2.30	0.02	4.88e-06	0.0	51.4	-36.92	-20.77	0.13	2.65e-04	0.09	-2.30
136	191	-1.45	0.01	9.78e-05	-7.96	0.0	31.03	-2.00	-0.28	-4.09e-03	0.01	-2.78
		-2.78	-0.14	-2.09e-06	0.0	51.4	31.03	-9.96	-0.28	-4.09e-03	-0.14	-2.78
136	204	12.40	0.18	2.56e-04	-7.96	0.0	-27.79	-3.77	0.29	-0.03	4.04e-03	12.40
		5.44	4.04e-03	2.46e-04	0.0	51.4	-27.79	-11.74	0.29	-0.03	0.18	5.44
136	210	-2.16	0.03	1.94e-04	-7.96	0.0	3.77	-15.22	-0.32	0.03	0.03	-2.16
		-11.13	-0.16	-2.41e-04	0.0	51.4	3.77	-23.19	-0.32	0.03	-0.16	-11.13
136	216	9.54	0.21	1.93e-04	-7.96	0.0	-24.55	-2.28	0.35	-0.02	2.59e-03	9.54
		4.37	2.59e-03	3.20e-04	0.0	51.4	-24.55	-10.24	0.35	-0.02	0.21	4.37
136	219	-1.66	0.03	2.19e-04	-7.96	0.0	18.65	-12.53	-0.50	0.01	0.03	-1.66
		-8.20	-0.26	-3.17e-04	0.0	51.4	18.65	-20.49	-0.50	0.01	-0.26	-8.20
136	220	11.73	0.10	3.30e-04	-7.96	0.0	-42.48	-13.74	0.15	5.56e-04	0.02	11.73
		-2.38	0.02	3.99e-06	0.0	51.4	-42.48	-21.70	0.15	5.56e-04	0.10	-2.38
136	223	-1.45	0.01	8.16e-05	-7.96	0.0	36.59	-1.07	-0.31	-4.38e-03	0.01	-3.85

		-3.85	-0.15	-1.20e-06	0.0	51.4	36.59	-9.03	-0.31	-4.38e-03	-0.15	-1.45
137	4	2.36	0.02	-1.62e-04	-16.25	0.0	-1.63	5.67	0.03	-0.01	6.31e-03	1.81
		0.45	6.31e-03	1.41e-06	0.0	55.6	-1.63	-10.58	0.03	-0.01	0.02	0.45
137	19	0.58	3.72e-03	-1.29e-04	-4.32	0.0	-0.86	1.80	-0.01	-0.02	3.72e-03	0.37
		0.17	6.98e-04	0.0	0.0	55.6	-0.86	-2.52	-0.01	-0.02	6.98e-04	0.17
137	28	2.59	0.05	-9.05e-05	-16.25	0.0	-1.59	5.36	0.08	0.04	6.30e-03	2.10
		0.56	6.30e-03	3.54e-06	0.0	55.6	-1.59	-10.90	0.08	0.04	0.05	0.56
137	44	2.29	0.05	-5.98e-05	-13.36	0.0	-1.44	4.26	0.10	0.06	5.78e-03	1.91
		0.57	5.78e-03	3.89e-06	0.0	55.6	-1.44	-9.10	0.10	0.06	0.05	0.57
137	53	0.73	0.02	-7.03e-05	-4.32	0.0	-0.77	1.51	0.02	5.42e-03	4.43e-03	0.59
		0.22	4.43e-03	1.14e-06	0.0	55.6	-0.77	-2.81	0.02	5.42e-03	0.02	0.22
137	68	1.63	0.02	-1.16e-04	-11.18	0.0	-1.18	3.91	0.02	-6.12e-03	4.77e-03	1.26
		0.32	4.77e-03	1.06e-06	0.0	55.6	-1.18	-7.27	0.02	-6.12e-03	0.02	0.32
137	72	0.69	6.93e-03	-1.12e-04	-4.75	0.0	-0.86	1.83	1.34e-03	-0.01	4.01e-03	0.50
		0.20	4.01e-03	0.0	0.0	55.6	-0.86	-2.92	1.34e-03	-0.01	6.93e-03	0.20
137	80	1.79	0.03	-6.84e-05	-11.18	0.0	-1.15	3.70	0.06	0.03	4.76e-03	1.45
		0.40	4.76e-03	2.48e-06	0.0	55.6	-1.15	-7.48	0.06	0.03	0.03	0.40
137	85	0.95	0.03	-3.21e-05	-4.75	0.0	-0.81	1.48	0.06	0.04	4.00e-03	0.82
		0.32	4.00e-03	2.18e-06	0.0	55.6	-0.81	-3.27	0.06	0.04	0.03	0.32
137	88	1.59	0.04	-4.74e-05	-9.25	0.0	-1.05	2.97	0.07	0.04	4.41e-03	1.32
		0.40	4.41e-03	2.71e-06	0.0	55.6	-1.05	-6.28	0.07	0.04	0.04	0.40
137	89	0.80	0.02	-7.22e-05	-4.75	0.0	-0.80	1.64	0.03	5.39e-03	4.48e-03	0.64
		0.23	4.48e-03	1.20e-06	0.0	55.6	-0.80	-3.11	0.03	5.39e-03	0.02	0.23
137	97	0.80	0.02	-7.22e-05	-4.75	0.0	-0.80	1.64	0.03	5.39e-03	4.48e-03	0.64
		0.23	4.48e-03	1.20e-06	0.0	55.6	-0.80	-3.11	0.03	5.39e-03	0.02	0.23
137	98	1.40	0.02	-8.53e-05	-9.25	0.0	-1.03	3.20	0.03	4.97e-03	4.84e-03	1.10
		0.31	4.84e-03	1.58e-06	0.0	55.6	-1.03	-6.05	0.03	4.97e-03	0.02	0.31
137	102	0.78	0.02	-8.01e-05	-4.75	0.0	-0.81	1.68	0.02	1.74e-03	4.39e-03	0.61
		0.23	4.39e-03	0.0	0.0	55.6	-0.81	-3.07	0.02	1.74e-03	0.02	0.23
137	104	0.83	0.02	-6.42e-05	-4.75	0.0	-0.80	1.61	0.03	0.01	4.39e-03	0.68
		0.25	4.39e-03	1.40e-06	0.0	55.6	-0.80	-3.14	0.03	0.01	0.02	0.25
137	105	1.35	0.02	-7.54e-05	-8.61	0.0	-1.00	2.95	0.04	0.01	4.69e-03	1.07
		0.31	4.69e-03	1.72e-06	0.0	55.6	-1.00	-5.66	0.04	0.01	0.02	0.31
137	106	0.80	0.02	-7.22e-05	-4.75	0.0	-0.80	1.64	0.03	5.39e-03	4.48e-03	0.64
		0.23	4.48e-03	1.20e-06	0.0	55.6	-0.80	-3.11	0.03	5.39e-03	0.02	0.23
137	107	1.32	0.02	-8.34e-05	-8.61	0.0	-1.00	2.98	0.03	5.03e-03	4.79e-03	1.03
		0.30	4.79e-03	1.52e-06	0.0	55.6	-1.00	-5.63	0.03	5.03e-03	0.02	0.30
137	116	1.38	0.02	-3.14e-04	-8.61	0.0	-1.33	2.48	0.04	-0.04	-0.01	1.19
		0.15	-0.01	2.30e-04	0.0	55.6	-1.33	-6.13	0.04	-0.04	0.02	0.15
137	119	1.28	0.03	1.48e-04	-8.61	0.0	-0.66	3.48	0.02	0.05	0.02	0.88
		0.44	0.02	-2.27e-04	0.0	55.6	-0.66	-5.13	0.02	0.05	0.03	0.44
137	133	2.46	0.10	3.73e-04	-8.61	0.0	-0.97	-0.09	0.16	0.01	8.71e-03	2.46
		2.09e-03	8.71e-03	-4.50e-06	0.0	55.6	-0.97	-8.70	0.16	0.01	0.10	2.09e-03
137	134	0.79	8.76e-04	-5.40e-04	-8.61	0.0	-1.02	6.05	-0.10	-3.33e-04	8.76e-04	-0.40
		-0.40	-0.05	7.55e-06	0.0	55.6	-1.02	-2.56	-0.10	-3.33e-04	-0.05	0.59
137	148	1.38	0.02	-3.42e-04	-8.61	0.0	-1.38	2.42	0.05	-0.05	-0.02	1.21
		0.13	-0.02	2.61e-04	0.0	55.6	-1.38	-6.19	0.05	-0.05	0.02	0.13
137	151	1.27	0.03	1.75e-04	-8.61	0.0	-0.62	3.54	0.02	0.06	0.02	0.86
		0.46	0.02	-2.57e-04	0.0	55.6	-0.62	-5.07	0.02	0.06	0.03	0.46
137	165	2.64	0.11	4.30e-04	-8.61	0.0	-0.97	-0.48	0.18	0.01	9.22e-03	2.64
		-0.03	9.22e-03	-5.81e-06	0.0	55.6	-0.97	-9.09	0.18	0.01	0.11	-0.03
137	166	0.77	3.63e-04	-5.97e-04	-8.61	0.0	-1.03	6.43	-0.11	-1.08e-03	3.63e-04	-0.57
		-0.57	-0.06	8.86e-06	0.0	55.6	-1.03	-2.18	-0.11	-1.08e-03	-0.06	0.62
137	180	1.37	0.02	-3.28e-04	-8.61	0.0	-1.39	2.45	0.05	-0.05	-0.02	1.18
		0.12	-0.02	2.71e-04	0.0	55.6	-1.39	-6.16	0.05	-0.05	0.02	0.12
137	183	1.29	0.03	1.61e-04	-8.61	0.0	-0.61	3.51	0.02	0.06	0.03	0.88
		0.47	0.03	-2.68e-04	0.0	55.6	-0.61	-5.10	0.02	0.06	0.03	0.47
137	197	2.61	0.11	4.21e-04	-8.61	0.0	-0.96	-0.42	0.18	0.01	9.32e-03	2.61
		-0.03	9.32e-03	-8.49e-06	0.0	55.6	-0.96	-9.03	0.18	0.01	0.11	-0.03
137	198	0.78	2.61e-04	-5.88e-04	-8.61	0.0	-1.03	6.38	-0.11	-1.53e-03	2.61e-04	-0.54
		-0.54	-0.06	1.15e-05	0.0	55.6	-1.03	-2.23	-0.11	-1.53e-03	-0.06	0.62
137	212	1.38	0.01	-3.66e-04	-8.61	0.0	-1.47	2.34	0.05	-0.06	-0.02	1.21
		0.09	-0.02	3.28e-04	0.0	55.6	-1.47	-6.27	0.05	-0.06	0.01	0.09
137	215	1.29	0.03	1.99e-04	-8.61	0.0	-0.53	3.61	0.01	0.07	0.03	0.86
		0.50	0.03	-3.24e-04	0.0	55.6	-0.53	-5.00	0.01	0.07	0.03	0.50
137	229	2.86	0.12	5.02e-04	-8.61	0.0	-0.96	-0.97	0.20	0.01	0.01	2.86
		-0.08	0.01	-1.28e-05	0.0	55.6	-0.96	-9.57	0.20	0.01	0.12	-0.08
137	230	0.76	-5.98e-04	-6.69e-04	-8.61	0.0	-1.04	6.92	-0.14	-3.00e-03	-5.98e-04	-0.80
		-0.80	-0.07	1.58e-05	0.0	55.6	-1.04	-1.69	-0.14	-3.00e-03	-0.07	0.67
138	4	2.42	5.76e-03	-2.33e-04	-16.25	0.0	-1.93	10.30	3.27e-03	-2.00e-03	3.41e-03	0.61
		0.61	3.41e-03	1.32e-06	0.0	55.6	-1.93	-5.96	3.27e-03	-2.00e-03	5.76e-03	1.81
138	19	0.42	5.06e-03	-1.52e-04	-4.32	0.0	-1.03	3.42	-7.27e-03	-6.45e-03	5.06e-03	-0.33
		-0.33	2.46e-03	0.0	0.0	55.6	-1.03	-0.90	-7.27e-03	-6.45e-03	2.46e-03	0.37
138	28	2.79	8.45e-03	-1.63e-04	-16.25	0.0	-1.72	9.88	0.03	0.02	-4.86e-03	1.13
		1.13	-4.86e-03	2.89e-06	0.0	55.6	-1.72	-6.38	0.03	0.02	8.45e-03	2.10

138	44	2.49	9.11e-03	-1.21e-04	-13.36	0.0	-1.47	8.10	0.04	0.02	-8.53e-03	1.12
		1.12	-8.53e-03	3.03e-06	0.0	55.6	-1.47	-5.26	0.04	0.02	9.11e-03	1.91
138	45	1.01	6.95e-03	-3.54e-05	-4.32	0.0	-0.68	2.73	0.04	0.02	-8.72e-03	0.53
		0.53	-8.72e-03	1.88e-06	0.0	55.6	-0.68	-1.59	0.04	0.02	6.95e-03	0.85
138	68	1.66	4.44e-03	-1.66e-04	-11.18	0.0	-1.37	7.14	3.30e-03	-9.20e-04	2.33e-03	0.40
		0.40	2.33e-03	0.0	0.0	55.6	-1.37	-4.05	3.30e-03	-9.20e-04	4.44e-03	1.26
138	72	0.58	3.52e-03	-1.36e-04	-4.75	0.0	-0.99	3.55	-1.84e-03	-3.28e-03	3.52e-03	-0.16
		-0.16	3.27e-03	0.0	0.0	55.6	-0.99	-1.19	-1.84e-03	-3.28e-03	3.27e-03	0.50
138	80	1.91	6.23e-03	-1.19e-04	-11.18	0.0	-1.23	6.86	0.02	0.01	-3.19e-03	0.74
		0.74	-3.19e-03	2.02e-06	0.0	55.6	-1.23	-4.33	0.02	0.01	6.23e-03	1.45
138	85	0.98	6.26e-03	-5.88e-05	-4.75	0.0	-0.75	3.09	0.03	0.02	-5.67e-03	0.42
		0.42	-5.67e-03	1.63e-06	0.0	55.6	-0.75	-1.66	0.03	0.02	6.26e-03	0.82
138	88	1.71	6.67e-03	-9.12e-05	-9.25	0.0	-1.07	5.68	0.03	0.02	-5.64e-03	0.74
		0.74	-5.64e-03	2.12e-06	0.0	55.6	-1.07	-3.58	0.03	0.02	6.67e-03	1.32
138	98	1.44	5.12e-03	-1.27e-04	-9.25	0.0	-1.14	5.86	9.36e-03	2.88e-03	4.53e-04	0.41
		0.41	4.53e-04	1.36e-06	0.0	55.6	-1.14	-3.39	9.36e-03	2.88e-03	5.12e-03	1.10
138	102	0.73	4.47e-03	-1.06e-04	-4.75	0.0	-0.86	3.36	6.70e-03	1.79e-03	1.04e-03	0.07
		0.07	1.04e-03	0.0	0.0	55.6	-0.86	-1.39	6.70e-03	1.79e-03	4.47e-03	0.61
138	104	0.81	5.07e-03	-9.01e-05	-4.75	0.0	-0.82	3.27	0.01	5.59e-03	-7.97e-04	0.18
		0.18	-7.97e-04	1.14e-06	0.0	55.6	-0.82	-1.48	0.01	5.59e-03	5.07e-03	0.68
138	105	1.39	5.37e-03	-1.15e-04	-8.61	0.0	-1.08	5.46	0.01	5.43e-03	-7.70e-04	0.43
		0.43	-7.70e-04	1.43e-06	0.0	55.6	-1.08	-3.15	0.01	5.43e-03	5.37e-03	1.07
138	106	0.76	4.77e-03	-9.79e-05	-4.75	0.0	-0.83	3.31	8.84e-03	3.06e-03	4.22e-04	0.12
		0.12	4.22e-04	1.02e-06	0.0	55.6	-0.83	-1.44	8.84e-03	3.06e-03	4.77e-03	0.64
138	107	1.34	5.07e-03	-1.23e-04	-8.61	0.0	-1.10	5.50	9.29e-03	2.90e-03	4.49e-04	0.37
		0.37	4.49e-04	1.31e-06	0.0	55.6	-1.10	-3.11	9.29e-03	2.90e-03	5.07e-03	1.03
138	116	1.55	2.88e-03	-3.64e-04	-8.61	0.0	-2.32	5.05	-0.04	-0.03	2.88e-03	0.65
		0.65	-0.02	2.31e-04	0.0	55.6	-2.32	-3.56	-0.04	-0.03	-0.02	1.19
138	119	1.14	0.03	1.18e-04	-8.61	0.0	0.13	5.95	0.06	0.04	-1.98e-03	0.09
		0.09	-1.98e-03	-2.29e-04	0.0	55.6	0.13	-2.66	0.06	0.04	0.03	0.88
138	133	4.01	0.01	3.33e-04	-8.61	0.0	-1.02	1.61	0.02	5.35e-03	2.47e-04	3.92
		2.46	2.47e-04	-3.69e-06	0.0	55.6	-1.02	-7.00	0.02	5.35e-03	0.01	2.46
138	134	-0.40	6.50e-04	-5.79e-04	-8.61	0.0	-1.18	9.39	-1.57e-03	4.57e-04	6.50e-04	-3.19
		-3.19	-8.44e-04	6.31e-06	0.0	55.6	-1.18	0.78	-1.57e-03	4.57e-04	-8.44e-04	-0.40
138	148	1.57	3.19e-03	-3.93e-04	-8.61	0.0	-2.48	5.01	-0.05	-0.03	3.19e-03	0.68
		0.68	-0.02	2.62e-04	0.0	55.6	-2.48	-3.60	-0.05	-0.03	-0.02	1.21
138	151	1.12	0.03	1.48e-04	-8.61	0.0	0.29	5.99	0.07	0.04	-2.30e-03	0.06
		0.06	-2.30e-03	-2.59e-04	0.0	55.6	0.29	-2.62	0.07	0.04	0.03	0.86
138	165	4.41	0.01	3.90e-04	-8.61	0.0	-1.00	1.12	0.02	5.71e-03	2.19e-04	4.37
		2.64	2.19e-04	-4.89e-06	0.0	55.6	-1.00	-7.49	0.02	5.71e-03	0.01	2.64
138	166	-0.57	6.79e-04	-6.36e-04	-8.61	0.0	-1.19	9.88	-3.00e-03	9.79e-05	6.79e-04	-3.63
		-3.63	-1.62e-03	7.51e-06	0.0	55.6	-1.19	1.27	-3.00e-03	9.79e-05	-1.62e-03	-0.57
138	180	1.51	3.27e-03	-3.80e-04	-8.61	0.0	-2.52	5.11	-0.05	-0.03	3.27e-03	0.57
		0.57	-0.02	2.72e-04	0.0	55.6	-2.52	-3.50	-0.05	-0.03	-0.02	1.18
138	183	1.17	0.03	1.35e-04	-8.61	0.0	0.33	5.89	0.07	0.04	-2.37e-03	0.17
		0.17	-2.37e-03	-2.70e-04	0.0	55.6	0.33	-2.72	0.07	0.04	0.03	0.88
138	197	4.34	0.01	3.82e-04	-8.61	0.0	-0.99	1.20	0.02	6.03e-03	1.98e-04	4.29
		2.61	1.98e-04	-7.70e-06	0.0	55.6	-0.99	-7.41	0.02	6.03e-03	0.01	2.61
138	198	-0.54	6.99e-04	-6.27e-04	-8.61	0.0	-1.20	9.80	-3.31e-03	-2.17e-04	6.99e-04	-3.55
		-3.55	-1.77e-03	1.03e-05	0.0	55.6	-1.20	1.19	-3.31e-03	-2.17e-04	-1.77e-03	-0.54
138	212	1.53	3.84e-03	-4.21e-04	-8.61	0.0	-2.81	5.07	-0.06	-0.04	3.84e-03	0.57
		0.57	-0.03	3.30e-04	0.0	55.6	-2.81	-3.54	-0.06	-0.04	-0.03	1.21
138	215	1.16	0.04	1.76e-04	-8.61	0.0	0.62	5.93	0.08	0.05	-2.95e-03	0.17
		0.17	-2.95e-03	-3.27e-04	0.0	55.6	0.62	-2.68	0.08	0.05	0.04	0.86
138	229	4.93	0.01	4.63e-04	-8.61	0.0	-0.96	0.51	0.02	6.81e-03	1.38e-04	4.92
		2.86	1.38e-04	-1.19e-05	0.0	55.6	-0.96	-8.10	0.02	6.81e-03	0.01	2.86
138	230	-0.80	7.59e-04	-7.09e-04	-8.61	0.0	-1.23	10.49	-5.71e-03	-9.97e-04	7.59e-04	-4.18
		-4.18	-3.06e-03	1.45e-05	0.0	55.6	-1.23	1.88	-5.71e-03	-9.97e-04	-3.06e-03	-0.80
139	18	0.34	5.00e-03	-2.73e-04	-13.36	0.0	-1.69	11.28	1.69e-03	5.60e-03	4.26e-03	-2.30
		-2.30	4.26e-03	0.0	0.0	55.6	-1.69	-2.08	1.69e-03	5.60e-03	5.00e-03	0.25
139	28	1.35	-4.11e-03	-2.10e-04	-16.25	0.0	-1.87	12.59	2.52e-03	-1.97e-03	-5.01e-03	-1.36
		-1.36	-5.01e-03	2.92e-06	0.0	55.6	-1.87	-3.66	2.52e-03	-1.97e-03	-4.11e-03	1.13
139	41	0.69	-7.47e-03	-9.64e-05	-6.60	0.0	-1.22	5.57	2.92e-03	-4.72e-03	-8.46e-03	-0.62
		-0.62	-8.46e-03	2.32e-06	0.0	55.6	-1.22	-1.03	2.92e-03	-4.72e-03	-7.47e-03	0.64
139	53	0.09	5.86e-04	-1.08e-04	-4.32	0.0	-0.77	4.03	1.59e-03	1.58e-03	-3.79e-05	-0.95
		-0.95	-3.79e-05	0.0	0.0	55.6	-0.77	-0.29	1.59e-03	1.58e-03	5.86e-04	0.09
139	75	0.22	3.41e-03	-1.93e-04	-9.25	0.0	-1.21	7.88	1.34e-03	3.94e-03	2.83e-03	-1.65
		-1.65	2.83e-03	0.0	0.0	55.6	-1.21	-1.37	1.34e-03	3.94e-03	3.41e-03	0.16
139	80	0.89	-2.67e-03	-1.51e-04	-11.18	0.0	-1.33	8.76	1.89e-03	-1.10e-03	-3.35e-03	-1.02
		-1.02	-3.35e-03	2.05e-06	0.0	55.6	-1.33	-2.43	1.89e-03	-1.10e-03	-2.67e-03	0.74
139	85	0.45	-4.91e-03	-7.59e-05	-4.75	0.0	-0.90	4.08	2.16e-03	-2.94e-03	-5.65e-03	-0.52
		-0.52	-5.65e-03	1.65e-06	0.0	55.6	-0.90	-0.67	2.16e-03	-2.94e-03	-4.91e-03	0.42
139	89	0.13	5.90e-04	-1.13e-04	-4.75	0.0	-0.81	4.36	1.59e-03	1.58e-03	-3.40e-05	-0.98
		-0.98	-3.40e-05	1.03e-06	0.0	55.6	-0.81	-0.39	1.59e-03	1.58e-03	5.90e-04	0.12
139	97	0.13	5.90e-04	-1.13e-04	-4.75	0.0	-0.81	4.36	1.59e-03	1.58e-03	-3.40e-05	-0.98

		-0.98	-3.40e-05	1.03e-06	0.0	55.6	-0.81	-0.39	1.59e-03	1.58e-03	5.90e-04	0.12
139	98	0.50	6.12e-04	-1.52e-04	-9.25	0.0	-1.12	7.47	1.55e-03	1.54e-03	0.0	-1.17
		-1.17	0.0	1.38e-06	0.0	55.6	-1.12	-1.78	1.55e-03	1.54e-03	6.12e-04	0.41
139	103	0.39	1.17e-03	-1.54e-04	-8.61	0.0	-1.09	7.08	1.51e-03	2.01e-03	5.60e-04	-1.23
		-1.23	5.60e-04	1.10e-06	0.0	55.6	-1.09	-1.53	1.51e-03	2.01e-03	1.17e-03	0.31
139	104	0.19	-5.09e-04	-1.06e-04	-4.75	0.0	-0.82	4.30	1.71e-03	6.79e-04	-1.16e-03	-0.89
		-0.89	-1.16e-03	1.15e-06	0.0	55.6	-0.82	-0.45	1.71e-03	6.79e-04	-5.09e-04	0.18
139	105	0.51	-4.90e-04	-1.39e-04	-8.61	0.0	-1.10	6.97	1.67e-03	6.44e-04	-1.13e-03	-1.05
		-1.05	-1.13e-03	1.45e-06	0.0	55.6	-1.10	-1.64	1.67e-03	6.44e-04	-4.90e-04	0.43
139	106	0.13	5.90e-04	-1.13e-04	-4.75	0.0	-0.81	4.36	1.59e-03	1.58e-03	-3.40e-05	-0.98
		-0.98	-3.40e-05	1.03e-06	0.0	55.6	-0.81	-0.39	1.59e-03	1.58e-03	5.90e-04	0.12
139	107	0.45	6.09e-04	-1.46e-04	-8.61	0.0	-1.08	7.03	1.56e-03	1.55e-03	-4.31e-06	-1.14
		-1.14	-4.31e-06	1.33e-06	0.0	55.6	-1.08	-1.58	1.56e-03	1.55e-03	6.09e-04	0.37
139	112	0.71	-5.86e-04	-1.13e-04	-8.61	0.0	-2.29	6.65	1.30e-04	-5.82e-03	-1.25e-03	-0.80
		-0.80	-1.25e-03	2.40e-04	0.0	55.6	-2.29	-1.96	1.30e-04	-5.82e-03	-5.86e-04	0.60
139	116	0.79	9.46e-04	-3.80e-04	-8.61	0.0	-2.40	6.36	-1.21e-03	-9.69e-03	9.46e-04	-0.57
		-0.57	-7.26e-04	2.30e-04	0.0	55.6	-2.40	-2.25	-1.21e-03	-9.69e-03	-7.26e-04	0.65
139	119	0.12	1.94e-03	8.73e-05	-8.61	0.0	0.25	7.69	4.33e-03	0.01	-9.54e-04	-1.72
		-1.72	-9.54e-04	-2.28e-04	0.0	55.6	0.25	-0.92	4.33e-03	0.01	1.94e-03	0.09
139	133	5.06	7.35e-04	2.83e-04	-8.61	0.0	-1.00	2.62	-9.60e-04	-9.36e-03	5.13e-04	4.83
		3.92	5.13e-04	-2.67e-06	0.0	55.6	-1.00	-5.99	-9.60e-04	-9.36e-03	7.35e-04	3.92
139	134	-3.19	4.84e-04	-5.76e-04	-8.61	0.0	-1.16	11.43	4.07e-03	0.01	-5.22e-04	-7.11
		-7.11	-5.22e-04	5.33e-06	0.0	55.6	-1.16	2.82	4.07e-03	0.01	4.84e-04	-3.19
139	144	0.74	-7.37e-04	-1.09e-04	-8.61	0.0	-2.44	6.60	-4.62e-05	-6.74e-03	-1.40e-03	-0.76
		-0.76	-1.40e-03	2.71e-04	0.0	55.6	-2.44	-2.01	-4.62e-05	-6.74e-03	-7.37e-04	0.63
139	148	0.83	1.06e-03	-4.09e-04	-8.61	0.0	-2.58	6.28	-1.54e-03	-0.01	1.06e-03	-0.52
		-0.52	-8.95e-04	2.61e-04	0.0	55.6	-2.58	-2.33	-1.54e-03	-0.01	-8.95e-04	0.68
139	151	0.09	2.11e-03	1.16e-04	-8.61	0.0	0.42	7.77	4.65e-03	0.01	-1.07e-03	-1.77
		-1.77	-1.07e-03	-2.58e-04	0.0	55.6	0.42	-0.84	4.65e-03	0.01	2.11e-03	0.06
139	165	5.72	7.51e-04	3.37e-04	-8.61	0.0	-0.99	2.07	-1.27e-03	-0.01	5.78e-04	5.57
		4.37	5.78e-04	-3.76e-06	0.0	55.6	-0.99	-6.54	-1.27e-03	-0.01	7.51e-04	4.37
139	166	-3.63	4.68e-04	-6.30e-04	-8.61	0.0	-1.17	11.99	4.39e-03	0.01	-5.87e-04	-7.86
		-7.86	-5.87e-04	6.41e-06	0.0	55.6	-1.17	3.38	4.39e-03	0.01	4.68e-04	-3.63
139	176	0.65	-7.20e-04	-1.18e-04	-8.61	0.0	-2.45	6.70	1.05e-04	-6.16e-03	-1.36e-03	-0.90
		-0.90	-1.36e-03	2.74e-04	0.0	55.6	-2.45	-1.91	1.05e-04	-6.16e-03	-7.20e-04	0.56
139	180	0.70	9.97e-04	-3.97e-04	-8.61	0.0	-2.62	6.35	-1.28e-03	-9.79e-03	9.97e-04	-0.68
		-0.68	-8.93e-04	2.72e-04	0.0	55.6	-2.62	-2.26	-1.28e-03	-9.79e-03	-8.93e-04	0.57
139	183	0.21	2.11e-03	1.05e-04	-8.61	0.0	0.47	7.70	4.39e-03	0.01	-1.01e-03	-1.61
		-1.61	-1.01e-03	-2.69e-04	0.0	55.6	0.47	-0.91	4.39e-03	0.01	2.11e-03	0.17
139	197	5.60	7.54e-04	3.29e-04	-8.61	0.0	-0.97	2.15	-1.18e-03	-0.01	5.83e-04	5.44
		4.29	5.83e-04	-6.65e-06	0.0	55.6	-0.97	-6.46	-1.18e-03	-0.01	7.54e-04	4.29
139	198	-3.55	4.65e-04	-6.22e-04	-8.61	0.0	-1.18	11.90	4.30e-03	0.01	-5.91e-04	-7.73
		-7.73	-5.91e-04	9.30e-06	0.0	55.6	-1.18	3.29	4.30e-03	0.01	4.65e-04	-3.55
139	208	0.63	-9.49e-04	-1.18e-04	-8.61	0.0	-2.70	6.70	-6.76e-05	-7.18e-03	-1.58e-03	-0.93
		-0.93	-1.58e-03	3.24e-04	0.0	55.6	-2.70	-1.91	-6.76e-05	-7.18e-03	-9.49e-04	0.55
139	212	0.71	1.16e-03	-4.38e-04	-8.61	0.0	-2.94	6.24	-1.68e-03	-0.01	1.16e-03	-0.65
		-0.65	-1.18e-03	3.29e-04	0.0	55.6	-2.94	-2.37	-1.68e-03	-0.01	-1.18e-03	0.57
139	215	0.21	2.40e-03	1.46e-04	-8.61	0.0	0.78	7.81	4.80e-03	0.01	-1.17e-03	-1.64
		-1.64	-1.17e-03	-3.26e-04	0.0	55.6	0.78	-0.80	4.80e-03	0.01	2.40e-03	0.17
139	229	6.57	7.80e-04	4.06e-04	-8.61	0.0	-0.94	1.36	-1.60e-03	-0.01	6.86e-04	6.50
		4.92	6.86e-04	-1.07e-05	0.0	55.6	-0.94	-7.25	-1.60e-03	-0.01	7.80e-04	4.92
139	230	-4.18	4.38e-04	-6.99e-04	-8.61	0.0	-1.21	12.69	4.71e-03	0.02	-6.95e-04	-8.79
		-8.79	-6.95e-04	1.33e-05	0.0	55.6	-1.21	4.08	4.71e-03	0.02	4.38e-04	-4.18
140	4	-1.73	2.84e-03	-2.71e-04	-17.44	0.0	-1.29	12.38	1.29e-03	7.50e-03	2.79e-03	-4.34
		-4.34	2.79e-03	1.44e-06	0.0	59.6	-1.29	-5.05	1.29e-03	7.50e-03	2.84e-03	-2.16
140	28	-0.86	4.66e-03	-2.10e-04	-17.44	0.0	-1.32	12.06	-0.02	-0.01	4.66e-03	-3.35
		-3.35	-5.23e-03	3.13e-06	0.0	59.6	-1.32	-5.38	-0.02	-0.01	-5.23e-03	-1.36
140	44	-0.56	4.93e-03	-1.63e-04	-14.33	0.0	-1.24	9.96	-0.03	-0.02	4.93e-03	-2.63
		-2.63	-8.83e-03	3.29e-06	0.0	59.6	-1.24	-4.37	-0.03	-0.02	-8.83e-03	-0.96
140	45	-0.17	3.53e-03	-5.22e-05	-4.63	0.0	-0.68	3.35	-0.02	-0.02	3.53e-03	-0.89
		-0.89	-8.92e-03	2.03e-06	0.0	59.6	-0.68	-1.29	-0.02	-0.02	-8.92e-03	-0.27
140	53	-0.89	2.57e-03	-1.04e-04	-4.63	0.0	-0.51	3.61	-4.12e-03	1.07e-03	2.57e-03	-1.72
		-1.72	3.30e-05	1.05e-06	0.0	59.6	-0.51	-1.02	-4.12e-03	1.07e-03	3.30e-05	-0.95
140	68	-1.26	2.18e-03	-1.92e-04	-12.00	0.0	-0.91	8.57	3.44e-04	5.14e-03	2.18e-03	-3.08
		-3.08	1.90e-03	1.07e-06	0.0	59.6	-0.91	-3.43	3.44e-04	5.14e-03	1.90e-03	-1.55
140	80	-0.69	3.43e-03	-1.51e-04	-12.00	0.0	-0.94	8.35	-0.01	-6.58e-03	3.43e-03	-2.42
		-2.42	-3.49e-03	2.20e-06	0.0	59.6	-0.94	-3.65	-0.01	-6.58e-03	-3.49e-03	-1.02
140	85	-0.42	3.25e-03	-7.46e-05	-5.09	0.0	-0.65	3.76	-0.02	-0.01	3.25e-03	-1.25
		-1.25	-5.93e-03	1.76e-06	0.0	59.6	-0.65	-1.34	-0.02	-0.01	-5.93e-03	-0.52
140	88	-0.49	3.61e-03	-1.20e-04	-9.93	0.0	-0.88	6.95	-0.02	-0.01	3.61e-03	-1.94
		-1.94	-5.89e-03	2.30e-06	0.0	59.6	-0.88	-2.97	-0.02	-0.01	-5.89e-03	-0.75
140	89	-0.90	2.61e-03	-1.09e-04	-5.09	0.0	-0.54	3.93	-4.18e-03	1.09e-03	2.61e-03	-1.81
		-1.81	3.71e-05	1.10e-06	0.0	59.6	-0.54	-1.16	-4.18e-03	1.09e-03	3.71e-05	-0.98
140	97	-0.90	2.61e-03	-1.09e-04	-5.09	0.0	-0.54	3.93	-4.18e-03	1.09e-03	2.61e-03	-1.81
		-1.81	3.71e-05	1.10e-06	0.0	59.6	-0.54	-1.16	-4.18e-03	1.09e-03	3.71e-05	-0.98

140	98	-0.92	2.79e-03	-1.49e-04	-9.93	0.0	-0.77	7.03	-4.42e-03	1.13e-03	2.79e-03	-2.40
		-2.40	6.88e-05	1.48e-06	0.0	59.6	-0.77	-2.89	-4.42e-03	1.13e-03	6.88e-05	-1.17
140	103	-1.01	2.47e-03	-1.50e-04	-9.24	0.0	-0.75	6.62	-2.67e-03	2.43e-03	2.47e-03	-2.43
		-2.43	6.66e-04	1.18e-06	0.0	59.6	-0.75	-2.61	-2.67e-03	2.43e-03	6.66e-04	-1.23
140	104	-0.80	2.74e-03	-1.02e-04	-5.09	0.0	-0.56	3.90	-6.82e-03	-1.51e-03	2.74e-03	-1.69
		-1.69	-1.16e-03	1.24e-06	0.0	59.6	-0.56	-1.20	-6.82e-03	-1.51e-03	-1.16e-03	-0.89
140	105	-0.82	2.89e-03	-1.36e-04	-9.24	0.0	-0.76	6.55	-7.03e-03	-1.47e-03	2.89e-03	-2.21
		-2.21	-1.13e-03	1.56e-06	0.0	59.6	-0.76	-2.68	-7.03e-03	-1.47e-03	-1.13e-03	-1.05
140	106	-0.90	2.61e-03	-1.09e-04	-5.09	0.0	-0.54	3.93	-4.18e-03	1.09e-03	2.61e-03	-1.81
		-1.81	3.71e-05	1.10e-06	0.0	59.6	-0.54	-1.16	-4.18e-03	1.09e-03	3.71e-05	-0.98
140	107	-0.92	2.76e-03	-1.43e-04	-9.24	0.0	-0.74	6.59	-4.39e-03	1.12e-03	2.76e-03	-2.32
		-2.32	6.43e-05	1.42e-06	0.0	59.6	-0.74	-2.65	-4.39e-03	1.12e-03	6.43e-05	-1.14
140	116	-0.24	1.70e-03	-3.60e-04	-9.24	0.0	-2.59	8.47	0.06	0.02	-0.03	-1.40
		-1.40	-0.03	2.46e-04	0.0	59.6	-2.59	-0.77	0.06	0.02	1.70e-03	-0.57
140	119	-1.58	0.04	7.35e-05	-9.24	0.0	1.12	4.71	-0.07	-0.02	0.04	-3.24
		-3.24	-1.57e-03	-2.43e-04	0.0	59.6	1.12	-4.53	-0.07	-0.02	-1.57e-03	-1.72
140	133	5.62	0.01	2.34e-04	-9.24	0.0	-0.62	4.89	-0.02	-7.10e-03	0.01	5.03
		4.83	-6.02e-04	-1.68e-06	0.0	59.6	-0.62	-4.35	-0.02	-7.10e-03	-6.02e-04	4.83
140	134	-7.11	7.31e-04	-5.21e-04	-9.24	0.0	-0.86	8.29	0.01	9.34e-03	-5.63e-03	-9.67
		-9.67	-5.63e-03	4.53e-06	0.0	59.6	-0.86	-0.95	0.01	9.34e-03	7.31e-04	-7.11
140	148	-0.16	1.91e-03	-3.87e-04	-9.24	0.0	-2.84	8.71	0.07	0.03	-0.04	-1.30
		-1.30	-0.04	2.79e-04	0.0	59.6	-2.84	-0.53	0.07	0.03	1.91e-03	-0.52
140	151	-1.65	0.04	1.00e-04	-9.24	0.0	1.36	4.47	-0.08	-0.02	0.04	-3.34
		-3.34	-1.78e-03	-2.76e-04	0.0	59.6	1.36	-4.77	-0.08	-0.02	-1.78e-03	-1.77
140	165	6.46	0.01	2.82e-04	-9.24	0.0	-0.60	4.67	-0.02	-8.15e-03	0.01	5.95
		5.57	-6.87e-04	-2.70e-06	0.0	59.6	-0.60	-4.56	-0.02	-8.15e-03	-6.87e-04	5.57
140	166	-7.86	8.16e-04	-5.68e-04	-9.24	0.0	-0.88	8.50	0.01	0.01	-6.73e-03	-10.59
		-10.59	-6.73e-03	5.55e-06	0.0	59.6	-0.88	-0.73	0.01	0.01	8.16e-04	-7.86
140	180	-0.32	1.87e-03	-3.78e-04	-9.24	0.0	-2.90	8.71	0.07	0.03	-0.04	-1.44
		-1.44	-0.04	2.91e-04	0.0	59.6	-2.90	-0.53	0.07	0.03	1.87e-03	-0.68
140	183	-1.49	0.05	9.21e-05	-9.24	0.0	1.42	4.47	-0.08	-0.02	0.05	-3.20
		-3.20	-1.75e-03	-2.88e-04	0.0	59.6	1.42	-4.76	-0.08	-0.02	-1.75e-03	-1.61
140	197	6.33	0.01	2.75e-04	-9.24	0.0	-0.58	4.68	-0.02	-8.26e-03	0.01	5.81
		5.44	-6.96e-04	-5.90e-06	0.0	59.6	-0.58	-4.56	-0.02	-8.26e-03	-6.96e-04	5.44
140	198	-7.73	8.24e-04	-5.62e-04	-9.24	0.0	-0.89	8.50	0.01	0.01	-6.89e-03	-10.45
		-10.45	-6.89e-03	8.74e-06	0.0	59.6	-0.89	-0.74	0.01	0.01	8.24e-04	-7.73
140	212	-0.25	2.21e-03	-4.18e-04	-9.24	0.0	-3.34	9.10	0.09	0.03	-0.05	-1.31
		-1.31	-0.05	3.52e-04	0.0	59.6	-3.34	-0.13	0.09	0.03	2.21e-03	-0.65
140	215	-1.54	0.05	1.32e-04	-9.24	0.0	1.86	4.08	-0.09	-0.03	0.05	-3.33
		-3.33	-2.08e-03	-3.49e-04	0.0	59.6	1.86	-5.16	-0.09	-0.03	-2.08e-03	-1.64
140	229	7.53	0.01	3.44e-04	-9.24	0.0	-0.54	4.35	-0.03	-9.97e-03	0.01	7.12
		6.50	-8.32e-04	-1.00e-05	0.0	59.6	-0.54	-4.88	-0.03	-9.97e-03	-8.32e-04	6.50
140	230	-8.79	9.61e-04	-6.30e-04	-9.24	0.0	-0.94	8.82	0.02	0.01	-8.70e-03	-11.76
		-11.76	-8.70e-03	1.29e-05	0.0	59.6	-0.94	-0.41	0.02	0.01	9.61e-04	-8.79
141	4	-3.05	3.21e-03	-2.00e-04	-17.44	0.0	-0.26	8.72	4.97e-03	8.18e-03	1.19e-03	-4.35
		-4.35	1.19e-03	1.35e-06	0.0	59.6	-0.26	-8.71	4.97e-03	8.18e-03	3.21e-03	-4.34
141	17	-3.04	3.28e-03	-1.90e-04	-14.33	0.0	-0.38	7.04	3.45e-04	0.01	3.28e-03	-4.07
		-4.15	2.16e-03	0.0	0.0	59.6	-0.38	-7.29	3.45e-04	0.01	2.16e-03	-4.15
141	44	-1.63	3.98e-03	-1.19e-04	-14.33	0.0	-0.20	7.39	0.02	-0.02	-9.96e-03	-2.76
		-2.76	-9.96e-03	1.76e-06	0.0	59.6	-0.20	-6.94	0.02	-0.02	3.98e-03	-2.63
141	45	-0.57	2.54e-03	-3.71e-05	-4.63	0.0	-0.17	2.40	0.02	-0.02	-9.42e-03	-0.94
		-0.94	-9.42e-03	0.0	0.0	59.6	-0.17	-2.23	0.02	-0.02	2.54e-03	-0.89
141	59	-2.55	4.36e-03	-1.63e-04	-14.33	0.0	-0.03	7.22	0.01	1.61e-03	-1.83e-03	-3.64
		-3.64	-1.83e-03	1.99e-06	0.0	59.6	-0.03	-7.11	0.01	1.61e-03	4.36e-03	-3.60
141	60	-1.64	3.21e-03	-8.68e-05	-4.63	0.0	0.06	2.25	8.18e-03	1.15e-03	-1.42e-03	-1.96
		-2.00	-1.42e-03	1.12e-06	0.0	59.6	0.06	-2.39	8.18e-03	1.15e-03	3.21e-03	-2.00
141	68	-2.19	2.47e-03	-1.41e-04	-12.00	0.0	-0.18	5.99	4.16e-03	5.59e-03	6.46e-04	-3.08
		-3.08	6.46e-04	0.0	0.0	59.6	-0.18	-6.01	4.16e-03	5.59e-03	2.47e-03	-3.08
141	74	-2.18	2.04e-03	-1.34e-04	-9.93	0.0	-0.26	4.86	1.08e-03	8.43e-03	2.04e-03	-2.89
		-2.95	1.77e-03	0.0	0.0	59.6	-0.26	-5.06	1.08e-03	8.43e-03	1.77e-03	-2.95
141	85	-0.88	2.61e-03	-5.38e-05	-5.09	0.0	-0.13	2.58	0.01	-0.01	-6.68e-03	-1.27
		-1.27	-6.68e-03	0.0	0.0	59.6	-0.13	-2.51	0.01	-0.01	2.61e-03	-1.25
141	88	-1.24	2.98e-03	-8.76e-05	-9.93	0.0	-0.14	5.09	0.01	-0.01	-6.79e-03	-2.02
		-2.02	-6.79e-03	1.24e-06	0.0	59.6	-0.14	-4.83	0.01	-0.01	2.98e-03	-1.94
141	93	-1.59	3.06e-03	-8.70e-05	-5.09	0.0	0.02	2.48	7.80e-03	1.12e-03	-1.35e-03	-1.95
		-1.99	-1.35e-03	1.04e-06	0.0	59.6	0.02	-2.61	7.80e-03	1.12e-03	3.06e-03	-1.99
141	95	-1.86	3.24e-03	-1.17e-04	-9.93	0.0	-0.03	4.98	8.16e-03	1.20e-03	-1.37e-03	-2.60
		-2.60	-1.37e-03	1.39e-06	0.0	59.6	-0.03	-4.94	8.16e-03	1.20e-03	3.24e-03	-2.59
141	99	-1.44	2.76e-03	-8.09e-05	-5.09	0.0	-0.04	2.47	7.04e-03	1.06e-03	-1.22e-03	-1.80
		-1.84	-1.22e-03	0.0	0.0	59.6	-0.04	-2.62	7.04e-03	1.06e-03	2.76e-03	-1.84
141	101	-1.67	2.91e-03	-1.07e-04	-9.24	0.0	-0.08	4.62	7.35e-03	1.13e-03	-1.24e-03	-2.36
		-2.36	-1.24e-03	1.12e-06	0.0	59.6	-0.08	-4.62	7.35e-03	1.13e-03	2.91e-03	-2.36
141	103	-1.73	2.62e-03	-1.10e-04	-9.24	0.0	-0.13	4.59	5.93e-03	2.58e-03	-5.57e-04	-2.41
		-2.43	-5.57e-04	0.0	0.0	59.6	-0.13	-4.64	5.93e-03	2.58e-03	2.62e-03	-2.43
141	104	-1.30	2.67e-03	-7.42e-05	-5.09	0.0	-0.07	2.49	8.19e-03	-1.88e-03	-2.29e-03	-1.66

		-1.69	-2.29e-03	0.0	0.0	59.6	-0.07	-2.60	8.19e-03	-1.88e-03	2.67e-03	-1.69
141	105	-1.53	2.82e-03	-9.99e-05	-9.24	0.0	-0.11	4.64	8.50e-03	-1.81e-03	-2.30e-03	-2.22
		-2.22	-2.30e-03	1.06e-06	0.0	59.6	-0.11	-4.60	8.50e-03	-1.81e-03	2.82e-03	-2.21
141	106	-1.40	2.68e-03	-7.93e-05	-5.09	0.0	-0.05	2.47	6.85e-03	1.04e-03	-1.19e-03	-1.76
		-1.81	-1.19e-03	0.0	0.0	59.6	-0.05	-2.63	6.85e-03	1.04e-03	2.68e-03	-1.81
141	107	-1.63	2.83e-03	-1.05e-04	-9.24	0.0	-0.10	4.62	7.16e-03	1.11e-03	-1.21e-03	-2.32
		-2.32	-1.21e-03	1.06e-06	0.0	59.6	-0.10	-4.62	7.16e-03	1.11e-03	2.83e-03	-2.32
141	116	-0.70	0.01	-2.56e-04	-9.24	0.0	-3.13	4.85	-0.07	0.03	0.01	-1.38
		-1.40	-0.03	2.48e-04	0.0	59.6	-3.13	-4.39	-0.07	0.03	-0.03	-1.40
141	119	-2.56	0.04	4.61e-05	-9.24	0.0	2.94	4.38	0.09	-0.02	-0.02	-3.26
		-3.26	-0.02	-2.46e-04	0.0	59.6	2.94	-4.85	0.09	-0.02	0.04	-3.24
141	133	5.29	0.01	1.48e-04	-9.24	0.0	0.12	6.52	0.02	-7.55e-03	-4.06e-03	3.96
		3.96	-4.06e-03	0.0	0.0	59.6	0.12	-2.72	0.02	-7.55e-03	0.01	5.03
141	134	-8.34	1.65e-03	-3.58e-04	-9.24	0.0	-0.31	2.71	-9.67e-03	9.78e-03	1.65e-03	-8.60
		-9.67	-4.34e-03	2.33e-06	0.0	59.6	-0.31	-6.53	-9.67e-03	9.78e-03	-4.34e-03	-9.67
141	148	-0.59	0.01	-2.75e-04	-9.24	0.0	-3.53	4.87	-0.09	0.03	0.01	-1.26
		-1.30	-0.04	2.81e-04	0.0	59.6	-3.53	-4.37	-0.09	0.03	-0.04	-1.30
141	151	-2.67	0.04	6.49e-05	-9.24	0.0	3.34	4.36	0.10	-0.03	-0.02	-3.37
		-3.37	-0.02	-2.78e-04	0.0	59.6	3.34	-4.88	0.10	-0.03	0.04	-3.34
141	165	6.17	0.01	1.80e-04	-9.24	0.0	0.16	6.76	0.03	-8.66e-03	-4.44e-03	4.75
		4.75	-4.44e-03	-1.02e-06	0.0	59.6	0.16	-2.48	0.03	-8.66e-03	0.01	5.95
141	166	-9.17	2.03e-03	-3.89e-04	-9.24	0.0	-0.35	2.47	-0.01	0.01	2.03e-03	-9.39
		-10.59	-5.28e-03	3.15e-06	0.0	59.6	-0.35	-6.76	-0.01	0.01	-5.28e-03	-10.59
141	180	-0.71	0.02	-2.70e-04	-9.24	0.0	-3.63	4.82	-0.09	0.03	0.02	-1.35
		-1.44	-0.04	2.93e-04	0.0	59.6	-3.63	-4.41	-0.09	0.03	-0.04	-1.44
141	183	-2.55	0.04	6.03e-05	-9.24	0.0	3.44	4.41	0.10	-0.03	-0.02	-3.28
		-3.28	-0.02	-2.91e-04	0.0	59.6	3.44	-4.83	0.10	-0.03	0.04	-3.20
141	197	6.03	0.01	1.76e-04	-9.24	0.0	0.19	6.71	0.03	-8.80e-03	-4.48e-03	4.64
		4.64	-4.48e-03	-4.42e-06	0.0	59.6	0.19	-2.52	0.03	-8.80e-03	0.01	5.81
141	198	-9.05	2.07e-03	-3.86e-04	-9.24	0.0	-0.38	2.52	-0.01	0.01	2.07e-03	-9.27
		-10.45	-5.41e-03	6.55e-06	0.0	59.6	-0.38	-6.72	-0.01	0.01	-5.41e-03	-10.45
141	212	-0.55	0.02	-2.99e-04	-9.24	0.0	-4.36	4.85	-0.11	0.03	0.02	-1.18
		-1.31	-0.05	3.56e-04	0.0	59.6	-4.36	-4.39	-0.11	0.03	-0.05	-1.31
141	215	-2.71	0.05	8.89e-05	-9.24	0.0	4.16	4.39	0.12	-0.03	-0.02	-3.46
		-3.46	-0.02	-3.54e-04	0.0	59.6	4.16	-4.85	0.12	-0.03	0.05	-3.33
141	229	7.30	0.01	2.22e-04	-9.24	0.0	0.26	7.05	0.03	-0.01	-5.10e-03	5.77
		5.77	-5.10e-03	-8.36e-06	0.0	59.6	0.26	-2.19	0.03	-0.01	0.01	7.12
141	230	-10.23	2.69e-03	-4.32e-04	-9.24	0.0	-0.45	2.18	-0.02	0.01	2.69e-03	-10.40
		-11.76	-6.95e-03	1.05e-05	0.0	59.6	-0.45	-7.06	-0.02	0.01	-6.95e-03	-11.76
142	4	-2.07	1.64e-03	-1.38e-04	-17.44	0.0	-0.66	5.89	2.90e-03	6.96e-03	7.63e-04	-2.66
		-4.35	7.63e-04	1.38e-06	0.0	59.6	-0.66	-11.55	2.90e-03	6.96e-03	1.64e-03	-4.35
142	19	-1.39	4.33e-03	-7.86e-05	-4.63	0.0	-0.17	0.68	8.62e-03	0.01	5.32e-04	-1.42
		-2.39	5.32e-04	0.0	0.0	59.6	-0.17	-3.95	8.62e-03	0.01	4.33e-03	-2.39
142	44	-1.11	-7.79e-04	-8.15e-05	-14.33	0.0	-1.05	5.42	-0.02	-0.02	-7.79e-04	-1.72
		-2.76	-0.01	2.41e-06	0.0	59.6	-1.05	-8.91	-0.02	-0.02	-0.01	-2.76
142	45	-0.39	-1.05e-03	-2.46e-05	-4.63	0.0	-0.70	1.72	-0.02	-0.02	-1.05e-03	-0.58
		-0.94	-0.01	1.27e-06	0.0	59.6	-0.70	-2.92	-0.02	-0.02	-0.01	-0.94
142	68	-1.49	9.53e-04	-9.75e-05	-12.00	0.0	-0.47	3.99	1.66e-03	4.73e-03	5.41e-04	-1.88
		-3.08	5.41e-04	1.00e-06	0.0	59.6	-0.47	-8.00	1.66e-03	4.73e-03	9.53e-04	-3.08
142	72	-1.27	2.51e-03	-7.24e-05	-5.09	0.0	-0.23	1.03	4.96e-03	7.20e-03	4.61e-04	-1.33
		-2.24	4.61e-04	0.0	0.0	59.6	-0.23	-4.07	4.96e-03	7.20e-03	2.51e-03	-2.24
142	85	-0.60	-5.96e-04	-3.64e-05	-5.09	0.0	-0.58	1.72	-0.01	-0.01	-5.96e-04	-0.77
		-1.27	-7.38e-03	1.18e-06	0.0	59.6	-0.58	-3.38	-0.01	-0.01	-7.38e-03	-1.27
142	88	-0.84	-4.88e-04	-5.98e-05	-9.93	0.0	-0.73	3.68	-0.01	-0.01	-4.88e-04	-1.25
		-2.02	-7.48e-03	1.69e-06	0.0	59.6	-0.73	-6.25	-0.01	-0.01	-7.48e-03	-2.02
142	102	-1.01	3.29e-04	-5.81e-05	-5.09	0.0	-0.29	1.30	-8.34e-04	2.02e-03	3.29e-04	-1.11
		-1.85	-3.91e-04	0.0	0.0	59.6	-0.29	-3.79	-8.34e-04	2.02e-03	-3.91e-04	-1.85
142	103	-1.18	4.03e-04	-7.59e-05	-9.24	0.0	-0.42	3.04	-9.73e-04	2.10e-03	4.03e-04	-1.47
		-2.41	-4.07e-04	1.02e-06	0.0	59.6	-0.42	-6.20	-9.73e-04	2.10e-03	-4.07e-04	-2.41
142	104	-0.88	1.18e-04	-5.09e-05	-5.09	0.0	-0.36	1.44	-4.64e-03	-1.84e-03	1.18e-04	-1.00
		-1.66	-2.37e-03	0.0	0.0	59.6	-0.36	-3.65	-4.64e-03	-1.84e-03	-2.37e-03	-1.66
142	105	-1.04	1.91e-04	-6.87e-05	-9.24	0.0	-0.49	3.18	-4.78e-03	-1.76e-03	1.91e-04	-1.36
		-2.22	-2.39e-03	1.27e-06	0.0	59.6	-0.49	-6.06	-4.78e-03	-1.76e-03	-2.39e-03	-2.22
142	106	-0.95	2.96e-04	-5.46e-05	-5.09	0.0	-0.31	1.37	-2.28e-03	7.26e-04	2.96e-04	-1.06
		-1.76	-1.12e-03	0.0	0.0	59.6	-0.31	-3.72	-2.28e-03	7.26e-04	-1.12e-03	-1.76
142	107	-1.11	3.70e-04	-7.23e-05	-9.24	0.0	-0.44	3.11	-2.42e-03	8.04e-04	3.70e-04	-1.42
		-2.32	-1.13e-03	1.21e-06	0.0	59.6	-0.44	-6.13	-2.42e-03	8.04e-04	-1.13e-03	-2.32
142	116	-1.32	0.02	-1.65e-04	-9.24	0.0	-1.84	3.74	0.04	0.03	-9.60e-03	-3.37
		-3.37	-9.60e-03	2.45e-04	0.0	59.6	-1.84	-5.49	0.04	0.03	0.02	-1.38
142	119	0.53	0.01	2.04e-05	-9.24	0.0	0.97	2.47	-0.05	-0.03	0.01	0.53
		-3.26	-0.02	-2.43e-04	0.0	59.6	0.97	-6.77	-0.05	-0.03	-0.02	-3.26
142	133	4.03	2.78e-03	8.02e-05	-9.24	0.0	-0.36	7.82	-0.01	-7.43e-03	2.78e-03	2.06
		2.06	-5.15e-03	1.15e-06	0.0	59.6	-0.36	-1.41	-0.01	-7.43e-03	-5.15e-03	3.96
142	134	-4.89	2.89e-03	-2.25e-04	-9.24	0.0	-0.51	-1.61	8.36e-03	9.04e-03	-2.04e-03	-4.89
		-8.60	-2.04e-03	1.27e-06	0.0	59.6	-0.51	-10.84	8.36e-03	9.04e-03	2.89e-03	-8.60

142	148	-1.25	0.02	-1.77e-04	-9.24	0.0	-2.02	3.82	0.05	0.03	-0.01	-3.60
		-3.60	-0.01	2.78e-04	0.0	59.6	-2.02	-5.42	0.05	0.03	0.02	-1.26
142	151	0.77	0.01	3.19e-05	-9.24	0.0	1.15	2.40	-0.05	-0.03	0.01	0.77
		-3.37	-0.02	-2.76e-04	0.0	59.6	1.15	-6.84	-0.05	-0.03	-0.02	-3.37
142	165	4.77	3.09e-03	9.94e-05	-9.24	0.0	-0.35	8.41	-0.01	-8.49e-03	3.09e-03	2.49
		2.49	-5.67e-03	0.0	0.0	59.6	-0.35	-0.82	-0.01	-8.49e-03	-5.67e-03	4.75
142	166	-5.33	3.41e-03	-2.44e-04	-9.24	0.0	-0.52	-2.20	9.76e-03	0.01	-2.35e-03	-5.33
		-9.39	-2.35e-03	1.95e-06	0.0	59.6	-0.52	-11.43	9.76e-03	0.01	3.41e-03	-9.39
142	180	-1.32	0.02	-1.74e-04	-9.24	0.0	-2.07	3.74	0.05	0.03	-0.01	-3.52
		-3.52	-0.01	2.91e-04	0.0	59.6	-2.07	-5.50	0.05	0.03	0.02	-1.35
142	183	0.69	0.01	2.94e-05	-9.24	0.0	1.20	2.48	-0.06	-0.03	0.01	0.69
		-3.28	-0.02	-2.89e-04	0.0	59.6	1.20	-6.76	-0.06	-0.03	-0.02	-3.28
142	197	4.66	3.14e-03	9.71e-05	-9.24	0.0	-0.34	8.32	-0.01	-8.65e-03	3.14e-03	2.43
		2.43	-5.76e-03	-2.97e-06	0.0	59.6	-0.34	-0.91	-0.01	-8.65e-03	-5.76e-03	4.64
142	198	-5.27	3.50e-03	-2.42e-04	-9.24	0.0	-0.54	-2.11	9.99e-03	0.01	-2.40e-03	-5.27
		-9.27	-2.40e-03	5.40e-06	0.0	59.6	-0.54	-11.34	9.99e-03	0.01	3.50e-03	-9.27
142	212	-1.18	0.02	-1.92e-04	-9.24	0.0	-2.40	3.84	0.06	0.04	-0.01	-3.87
		-3.87	-0.01	3.53e-04	0.0	59.6	-2.40	-5.39	0.06	0.04	0.02	-1.18
142	215	1.04	0.01	4.71e-05	-9.24	0.0	1.53	2.37	-0.07	-0.04	0.01	1.04
		-3.46	-0.03	-3.51e-04	0.0	59.6	1.53	-6.86	-0.07	-0.04	-0.03	-3.46
142	233	5.79	3.01e-03	7.88e-05	-9.24	0.0	-0.34	9.17	-0.01	-8.28e-03	3.01e-03	2.13
		2.13	-5.40e-03	1.45e-05	0.0	59.6	-0.34	-0.07	-0.01	-8.28e-03	-5.40e-03	5.79
142	234	-4.97	3.14e-03	-2.23e-04	-9.24	0.0	-0.53	-2.95	9.16e-03	9.89e-03	-2.27e-03	-4.97
		-10.42	-2.27e-03	-1.21e-05	0.0	59.6	-0.53	-12.19	9.16e-03	9.89e-03	3.14e-03	-10.42
143	4	0.31	1.13e-03	-1.08e-04	-17.44	0.0	-0.37	4.25	2.62e-03	3.20e-03	1.78e-04	-2.84e-06
		-2.66	1.78e-04	1.39e-06	0.0	59.6	-0.37	-13.19	2.62e-03	3.20e-03	1.13e-03	-2.66
143	27	0.47	1.14e-03	-8.06e-05	-17.44	0.0	-0.40	5.24	-4.99e-03	-4.83e-03	1.14e-03	-2.15e-06
		-2.08	-8.16e-04	2.08e-06	0.0	59.6	-0.40	-12.20	-4.99e-03	-4.83e-03	-8.16e-04	-2.08
143	43	0.41	1.53e-03	-6.24e-05	-14.33	0.0	-0.41	4.42	-8.58e-03	-8.44e-03	1.53e-03	-1.67e-06
		-1.64	-1.84e-03	1.95e-06	0.0	59.6	-0.41	-9.91	-8.58e-03	-8.44e-03	-1.84e-03	-1.64
143	44	0.38	1.60e-03	-6.56e-05	-14.33	0.0	-0.38	4.28	-8.65e-03	-8.48e-03	1.60e-03	-1.77e-06
		-1.72	-1.80e-03	2.17e-06	0.0	59.6	-0.38	-10.05	-8.65e-03	-8.48e-03	-1.80e-03	-1.72
143	45	0.12	1.36e-03	-2.02e-05	-4.63	0.0	-0.25	1.35	-8.76e-03	-8.63e-03	1.36e-03	0.0
		-0.58	-2.09e-03	1.05e-06	0.0	59.6	-0.25	-3.29	-8.76e-03	-8.63e-03	-2.09e-03	-0.58
143	60	8.01e-03	4.38e-04	-4.81e-05	-4.63	0.0	-0.06	0.36	-7.06e-05	2.37e-04	4.38e-04	-1.27e-06
		-1.17	3.76e-04	1.25e-06	0.0	59.6	-0.06	-4.27	-7.06e-05	2.37e-04	3.76e-04	-1.17
143	68	0.20	7.90e-04	-7.61e-05	-12.00	0.0	-0.26	2.84	1.75e-03	2.17e-03	1.54e-04	-2.00e-06
		-1.88	1.54e-04	1.01e-06	0.0	59.6	-0.26	-9.15	1.75e-03	2.17e-03	7.90e-04	-1.88
143	79	0.30	7.96e-04	-5.77e-05	-12.00	0.0	-0.28	3.50	-3.32e-03	-3.18e-03	7.96e-04	-1.54e-06
		-1.49	-5.09e-04	1.47e-06	0.0	59.6	-0.28	-8.50	-3.32e-03	-3.18e-03	-5.09e-04	-1.49
143	85	0.09	1.02e-03	-2.88e-05	-5.09	0.0	-0.21	1.25	-5.81e-03	-5.65e-03	1.02e-03	0.0
		-0.77	-1.28e-03	1.02e-06	0.0	59.6	-0.21	-3.84	-5.81e-03	-5.65e-03	-1.28e-03	-0.77
143	87	0.26	1.06e-03	-4.55e-05	-9.93	0.0	-0.28	2.96	-5.71e-03	-5.59e-03	1.06e-03	-1.23e-06
		-1.19	-1.19e-03	1.38e-06	0.0	59.6	-0.28	-6.97	-5.71e-03	-5.59e-03	-1.19e-03	-1.19
143	88	0.25	1.10e-03	-4.77e-05	-9.93	0.0	-0.27	2.87	-5.76e-03	-5.61e-03	1.10e-03	-1.29e-06
		-1.25	-1.17e-03	1.53e-06	0.0	59.6	-0.27	-7.06	-5.76e-03	-5.61e-03	-1.17e-03	-1.25
143	93	0.02	4.07e-04	-4.78e-05	-5.09	0.0	-0.08	0.59	-2.40e-05	2.61e-04	4.07e-04	-1.26e-06
		-1.17	3.67e-04	1.16e-06	0.0	59.6	-0.08	-4.50	-2.40e-05	2.61e-04	3.67e-04	-1.17
143	98	0.19	4.14e-04	-5.86e-05	-9.93	0.0	-0.19	2.48	1.68e-04	3.65e-04	3.60e-04	-1.56e-06
		-1.48	3.60e-04	1.22e-06	0.0	59.6	-0.19	-7.44	1.68e-04	3.65e-04	4.14e-04	-1.48
143	99	0.03	3.39e-04	-4.39e-05	-5.09	0.0	-0.11	0.74	4.75e-05	2.97e-04	3.39e-04	-1.16e-06
		-1.08	3.32e-04	0.0	0.0	59.6	-0.11	-4.36	4.75e-05	2.97e-04	3.32e-04	-1.08
143	103	0.15	5.06e-04	-5.91e-05	-9.24	0.0	-0.20	2.15	6.82e-04	9.58e-04	2.67e-04	-1.56e-06
		-1.47	2.67e-04	0.0	0.0	59.6	-0.20	-7.09	6.82e-04	9.58e-04	5.06e-04	-1.47
143	104	0.04	4.62e-04	-4.01e-05	-5.09	0.0	-0.13	0.87	-1.11e-03	-8.85e-04	4.62e-04	-1.07e-06
		-1.00	3.35e-06	0.0	0.0	59.6	-0.13	-4.22	-1.11e-03	-8.85e-04	3.35e-06	-1.00
143	105	0.18	4.95e-04	-5.35e-05	-9.24	0.0	-0.20	2.33	-1.02e-03	-8.34e-04	4.95e-04	-1.43e-06
		-1.36	8.05e-05	1.20e-06	0.0	59.6	-0.20	-6.90	-1.02e-03	-8.34e-04	8.05e-05	-1.36
143	106	0.03	3.24e-04	-4.29e-05	-5.09	0.0	-0.11	0.77	6.53e-05	3.06e-04	3.22e-04	-1.13e-06
		-1.06	3.22e-04	0.0	0.0	59.6	-0.11	-4.32	6.53e-05	3.06e-04	3.24e-04	-1.06
143	107	0.16	4.01e-04	-5.64e-05	-9.24	0.0	-0.18	2.24	1.53e-04	3.57e-04	3.55e-04	-1.50e-06
		-1.42	3.55e-04	1.17e-06	0.0	59.6	-0.18	-7.00	1.53e-04	3.57e-04	4.01e-04	-1.42
143	108	0.32	-4.22e-03	-3.92e-05	-9.24	0.0	-2.62	3.18	0.07	0.02	-0.04	-1.21e-06
		-0.86	-0.04	2.09e-04	0.0	59.6	-2.62	-6.06	0.07	0.02	-4.22e-03	-0.86
143	111	0.05	0.04	-7.51e-05	-9.24	0.0	2.26	1.30	-0.07	-0.02	0.04	-1.78e-06
		-1.98	5.02e-03	-2.07e-04	0.0	59.6	2.26	-7.94	-0.07	-0.02	5.02e-03	-1.98
143	116	-2.45e-06	-4.37e-03	-1.19e-04	-9.24	0.0	-2.62	-1.03	0.07	0.03	-0.05	-2.45e-06
		-3.37	-0.05	2.45e-04	0.0	59.6	-2.62	-10.26	0.07	0.03	-4.37e-03	-3.37
143	119	0.98	0.05	-1.22e-05	-9.24	0.0	2.26	5.51	-0.07	-0.02	0.05	0.0
		0.0	5.17e-03	-2.42e-04	0.0	59.6	2.26	-3.73	-0.07	-0.02	5.17e-03	0.53
143	136	-3.12e-06	-3.12e-03	-1.60e-04	-9.24	0.0	-1.58	-3.59	0.04	0.02	-0.03	-3.12e-06
		-4.89	-0.03	1.46e-04	0.0	59.6	-1.58	-12.83	0.04	0.02	-3.12e-03	-4.89
143	139	2.10	0.03	4.69e-05	-9.24	0.0	1.22	8.07	-0.04	-0.02	0.03	0.0
		0.0	3.92e-03	-1.44e-04	0.0	59.6	1.22	-1.16	-0.04	-0.02	3.92e-03	2.06
143	148	-2.57e-06	-4.98e-03	-1.27e-04	-9.24	0.0	-2.94	-1.43	0.08	0.03	-0.05	-2.57e-06

		-3.60	-0.05	2.77e-04	0.0	59.6	-2.94	-10.66	0.08	0.03	-4.98e-03	-3.60
143	151	1.13	0.05	1.42e-05	-9.24	0.0	2.58	5.91	-0.08	-0.03	0.05	0.0
		0.0	5.78e-03	-2.75e-04	0.0	59.6	2.58	-3.33	-0.08	-0.03	5.78e-03	0.77
143	168	-3.32e-06	-3.56e-03	-1.73e-04	-9.24	0.0	-1.76	-4.32	0.05	0.02	-0.03	-3.32e-06
		-5.33	-0.03	1.66e-04	0.0	59.6	-1.76	-13.56	0.05	0.02	-3.56e-03	-5.33
143	171	2.50	0.03	5.98e-05	-9.24	0.0	1.40	8.80	-0.05	-0.02	0.03	0.0
		0.0	4.37e-03	-1.64e-04	0.0	59.6	1.40	-0.44	-0.05	-0.02	4.37e-03	2.49
143	180	-2.54e-06	-5.03e-03	-1.25e-04	-9.24	0.0	-3.03	-1.29	0.09	0.03	-0.06	-2.54e-06
		-3.52	-0.06	2.91e-04	0.0	59.6	-3.03	-10.53	0.09	0.03	-5.03e-03	-3.52
143	183	1.07	0.06	1.27e-05	-9.24	0.0	2.67	5.77	-0.08	-0.03	0.06	0.0
		0.0	5.83e-03	-2.88e-04	0.0	59.6	2.67	-3.47	-0.08	-0.03	5.83e-03	0.69
143	200	-3.30e-06	-3.55e-03	-1.71e-04	-9.24	0.0	-1.82	-4.23	0.05	0.02	-0.03	-3.30e-06
		-5.27	-0.03	1.75e-04	0.0	59.6	-1.82	-13.46	0.05	0.02	-3.55e-03	-5.27
143	203	2.45	0.03	5.86e-05	-9.24	0.0	1.46	8.71	-0.05	-0.02	0.03	0.0
		0.0	4.35e-03	-1.73e-04	0.0	59.6	1.46	-0.53	-0.05	-0.02	4.35e-03	2.44
143	212	-2.72e-06	-6.07e-03	-1.38e-04	-9.24	0.0	-3.61	-1.88	0.10	0.03	-0.07	-2.72e-06
		-3.87	-0.07	3.53e-04	0.0	59.6	-3.61	-11.11	0.10	0.03	-6.07e-03	-3.87
143	215	1.30	0.07	2.48e-05	-9.24	0.0	3.25	6.36	-0.10	-0.03	0.07	0.0
		0.0	6.87e-03	-3.51e-04	0.0	59.6	3.25	-2.88	-0.10	-0.03	6.87e-03	1.04
143	232	-3.60e-06	-4.26e-03	-1.91e-04	-9.24	0.0	-2.15	-5.30	0.06	0.02	-0.04	-3.60e-06
		-5.91	-0.04	2.13e-04	0.0	59.6	-2.15	-14.54	0.06	0.02	-4.26e-03	-5.91
143	235	3.08	0.04	7.80e-05	-9.24	0.0	1.79	9.78	-0.06	-0.02	0.04	0.0
		0.0	5.06e-03	-2.11e-04	0.0	59.6	1.79	0.55	-0.06	-0.02	5.06e-03	3.08
144	19	0.74	7.79e-03	-1.68e-04	-8.44	0.0	-1.19	4.29	5.80e-04	-0.03	3.46e-03	0.13
		0.13	3.46e-03	0.0	0.0	55.6	-1.19	-4.15	5.80e-04	-0.03	7.79e-03	0.17
144	28	3.98	0.03	-1.61e-04	-32.36	0.0	-2.21	13.50	0.07	0.03	-3.54e-03	2.42
		0.93	-3.54e-03	2.22e-06	0.0	55.6	-2.21	-18.86	0.07	0.03	0.03	0.93
144	43	3.46	0.03	-1.22e-04	-26.54	0.0	-2.07	11.18	0.08	0.06	-5.00e-03	2.16
		1.00	-5.00e-03	1.98e-06	0.0	55.6	-2.07	-15.35	0.08	0.06	0.03	1.00
144	48	2.98	0.03	-8.84e-05	-22.02	0.0	-1.67	9.11	0.07	0.06	-5.18e-03	1.94
		0.88	-5.18e-03	1.86e-06	0.0	55.6	-1.67	-12.91	0.07	0.06	0.03	0.88
144	53	1.01	0.02	-1.09e-04	-8.44	0.0	-1.13	3.94	0.03	2.83e-03	1.10e-03	0.51
		0.35	1.10e-03	0.0	0.0	55.6	-1.13	-4.50	0.03	2.83e-03	0.02	0.35
144	72	0.93	0.01	-1.51e-04	-9.30	0.0	-1.20	4.50	9.48e-03	-0.02	2.59e-03	0.33
		0.25	2.59e-03	0.0	0.0	55.6	-1.20	-4.80	9.48e-03	-0.02	0.01	0.25
144	80	2.74	0.02	-1.20e-04	-22.24	0.0	-1.60	9.35	0.05	0.02	-2.17e-03	1.64
		0.66	-2.17e-03	1.55e-06	0.0	55.6	-1.60	-12.89	0.05	0.02	0.02	0.66
144	87	2.39	0.02	-9.35e-05	-18.36	0.0	-1.51	7.81	0.06	0.04	-3.14e-03	1.47
		0.70	-3.14e-03	1.39e-06	0.0	55.6	-1.51	-10.55	0.06	0.04	0.02	0.70
144	88	2.43	0.02	-9.55e-05	-18.36	0.0	-1.52	7.71	0.06	0.04	-3.17e-03	1.53
		0.72	-3.17e-03	1.53e-06	0.0	55.6	-1.52	-10.64	0.06	0.04	0.02	0.72
144	89	1.12	0.02	-1.12e-04	-9.30	0.0	-1.16	4.26	0.03	2.64e-03	1.01e-03	0.58
		0.36	1.01e-03	0.0	0.0	55.6	-1.16	-5.04	0.03	2.64e-03	0.02	0.36
144	97	1.12	0.02	-1.12e-04	-9.30	0.0	-1.16	4.26	0.03	2.64e-03	1.01e-03	0.58
		0.36	1.01e-03	0.0	0.0	55.6	-1.16	-5.04	0.03	2.64e-03	0.02	0.36
144	98	2.10	0.02	-1.32e-04	-18.36	0.0	-1.43	7.95	0.03	9.59e-04	2.26e-04	1.14
		0.46	2.26e-04	1.10e-06	0.0	55.6	-1.43	-10.41	0.03	9.59e-04	0.02	0.46
144	102	1.08	0.01	-1.20e-04	-9.30	0.0	-1.17	4.31	0.02	-1.16e-03	1.33e-03	0.53
		0.34	1.33e-03	0.0	0.0	55.6	-1.17	-4.99	0.02	-1.16e-03	0.01	0.34
144	105	2.02	0.02	-1.21e-04	-17.06	0.0	-1.41	7.39	0.04	8.82e-03	-3.34e-04	1.13
		0.49	-3.34e-04	1.11e-06	0.0	55.6	-1.41	-9.67	0.04	8.82e-03	0.02	0.49
144	106	1.12	0.02	-1.12e-04	-9.30	0.0	-1.16	4.26	0.03	2.64e-03	1.01e-03	0.58
		0.36	1.01e-03	0.0	0.0	55.6	-1.16	-5.04	0.03	2.64e-03	0.02	0.36
144	107	1.96	0.02	-1.29e-04	-17.06	0.0	-1.39	7.42	0.03	1.20e-03	3.39e-04	1.06
		0.45	3.39e-04	1.05e-06	0.0	55.6	-1.39	-9.64	0.03	1.20e-03	0.02	0.45
144	109	2.39	0.11	5.10e-04	-17.06	0.0	-1.30	5.97	0.21	-0.03	-3.71e-03	1.81
		0.38	-3.71e-03	2.42e-04	0.0	55.6	-1.30	-11.10	0.21	-0.03	0.11	0.38
144	110	1.60	4.39e-03	-7.69e-04	-17.06	0.0	-1.49	8.87	-0.15	0.03	4.39e-03	0.31
		0.31	-0.08	-2.40e-04	0.0	55.6	-1.49	-8.19	-0.15	0.03	-0.08	0.31
144	133	3.11	0.07	4.09e-04	-17.06	0.0	-1.17	3.90	0.14	4.20e-03	-4.53e-03	2.86
		0.29	-4.53e-03	-4.19e-06	0.0	55.6	-1.17	-13.16	0.14	4.20e-03	0.07	0.29
144	134	1.21	5.21e-03	-6.67e-04	-17.06	0.0	-1.61	10.94	-0.08	-1.80e-03	5.21e-03	-0.74
		-0.74	-0.04	6.29e-06	0.0	55.6	-1.61	-6.12	-0.08	-1.80e-03	-0.04	0.61
144	141	2.45	0.12	5.90e-04	-17.06	0.0	-1.29	5.79	0.23	-0.03	-4.22e-03	1.91
		0.37	-4.22e-03	2.73e-04	0.0	55.6	-1.29	-11.28	0.23	-0.03	0.12	0.37
144	142	1.56	4.90e-03	-8.48e-04	-17.06	0.0	-1.50	9.06	-0.17	0.03	4.90e-03	0.22
		0.22	-0.09	-2.70e-04	0.0	55.6	-1.50	-8.01	-0.17	0.03	-0.09	0.22
144	165	3.28	0.08	4.76e-04	-17.06	0.0	-1.14	3.46	0.15	4.64e-03	-5.14e-03	3.09
		0.27	-5.14e-03	-5.41e-06	0.0	55.6	-1.14	-13.60	0.15	4.64e-03	0.08	0.27
144	166	1.15	5.82e-03	-7.34e-04	-17.06	0.0	-1.64	11.38	-0.09	-2.24e-03	5.82e-03	-0.96
		-0.96	-0.04	7.52e-06	0.0	55.6	-1.64	-5.68	-0.09	-2.24e-03	-0.04	0.63
144	173	2.43	0.12	5.64e-04	-17.06	0.0	-1.29	5.83	0.23	-0.03	-4.25e-03	1.88
		0.37	-4.25e-03	2.75e-04	0.0	55.6	-1.29	-11.23	0.23	-0.03	0.12	0.37
144	174	1.56	4.92e-03	-8.22e-04	-17.06	0.0	-1.49	9.01	-0.17	0.03	4.92e-03	0.24
		0.24	-0.09	-2.73e-04	0.0	55.6	-1.49	-8.05	-0.17	0.03	-0.09	0.52

144	197	3.26	0.08	4.63e-04	-17.06	0.0	-1.15	3.52	0.15	5.06e-03	-5.13e-03	3.06
		0.27	-5.13e-03	-8.22e-06	0.0	55.6	-1.15	-13.54	0.15	5.06e-03	0.08	0.27
144	198	1.16	5.81e-03	-7.21e-04	-17.06	0.0	-1.64	11.32	-0.09	-2.66e-03	5.81e-03	-0.93
		-0.93	-0.04	1.03e-05	0.0	55.6	-1.64	-5.74	-0.09	-2.66e-03	-0.04	0.62
144	205	2.52	0.14	6.71e-04	-17.06	0.0	-1.28	5.58	0.27	-0.03	-5.07e-03	2.01
		0.36	-5.07e-03	3.25e-04	0.0	55.6	-1.28	-11.48	0.27	-0.03	0.14	0.36
144	206	1.51	5.75e-03	-9.29e-04	-17.06	0.0	-1.51	9.26	-0.21	0.04	5.75e-03	0.11
		0.11	-0.11	-3.23e-04	0.0	55.6	-1.51	-7.80	-0.21	0.04	-0.11	0.53
144	229	3.51	0.09	5.58e-04	-17.06	0.0	-1.11	2.89	0.17	6.05e-03	-6.08e-03	3.38
		0.24	-6.08e-03	-1.24e-05	0.0	55.6	-1.11	-14.17	0.17	6.05e-03	0.09	0.24
144	230	1.08	6.76e-03	-8.16e-04	-17.06	0.0	-1.67	11.95	-0.11	-3.65e-03	6.76e-03	-1.25
		-1.25	-0.05	1.46e-05	0.0	55.6	-1.67	-5.11	-0.11	-3.65e-03	-0.05	0.65
145	4	2.73	2.28e-03	-3.52e-04	-32.36	0.0	-2.72	22.60	-5.82e-03	-1.62e-03	2.28e-03	-1.66
		-1.66	1.14e-04	1.18e-06	0.0	55.6	-2.72	-9.76	-5.82e-03	-1.62e-03	1.14e-04	1.91
145	18	1.96	4.17e-03	-3.44e-04	-26.54	0.0	-2.53	19.16	-8.89e-03	-5.13e-03	4.17e-03	-1.87
		-1.87	9.90e-04	0.0	0.0	55.6	-2.53	-7.38	-8.89e-03	-5.13e-03	9.90e-04	1.40
145	20	0.27	4.39e-03	-2.12e-04	-8.44	0.0	-1.43	7.40	-7.02e-03	-5.37e-03	4.39e-03	-1.54
		-1.54	2.09e-03	0.0	0.0	55.6	-1.43	-1.04	-7.02e-03	-5.37e-03	2.09e-03	0.23
145	28	3.32	-1.58e-03	-2.85e-04	-32.36	0.0	-2.68	22.15	0.01	0.02	-6.04e-03	-0.90
		-0.90	-6.04e-03	2.12e-06	0.0	55.6	-2.68	-10.21	0.01	0.02	-1.58e-03	2.42
145	43	2.89	-1.78e-03	-2.23e-04	-26.54	0.0	-2.43	18.19	0.02	0.02	-9.71e-03	-0.58
		-0.58	-9.71e-03	1.82e-06	0.0	55.6	-2.43	-8.35	0.02	0.02	-1.78e-03	2.16
145	53	0.60	1.33e-03	-1.48e-04	-8.44	0.0	-1.23	6.77	3.43e-03	4.20e-03	-1.93e-04	-0.91
		-0.91	-1.93e-04	0.0	0.0	55.6	-1.23	-1.67	3.43e-03	4.20e-03	1.33e-03	0.51
145	68	1.84	1.50e-03	-2.51e-04	-22.24	0.0	-1.95	15.67	-3.32e-03	-4.93e-04	1.50e-03	-1.22
		-1.22	3.05e-04	0.0	0.0	55.6	-1.95	-6.57	-3.32e-03	-4.93e-04	3.05e-04	1.30
145	73	0.46	2.86e-03	-1.97e-04	-9.30	0.0	-1.42	7.76	-3.73e-03	-2.23e-03	2.86e-03	-1.33
		-1.33	1.74e-03	0.0	0.0	55.6	-1.42	-1.54	-3.73e-03	-2.23e-03	1.74e-03	0.39
145	75	1.33	2.76e-03	-2.45e-04	-18.36	0.0	-1.82	13.37	-5.37e-03	-2.83e-03	2.76e-03	-1.37
		-1.37	8.89e-04	0.0	0.0	55.6	-1.82	-4.99	-5.37e-03	-2.83e-03	8.89e-04	0.96
145	80	2.23	-8.26e-04	-2.06e-04	-22.24	0.0	-1.92	15.37	8.91e-03	0.01	-4.05e-03	-0.72
		-0.72	-4.05e-03	1.47e-06	0.0	55.6	-1.92	-6.87	8.91e-03	0.01	-8.26e-04	1.64
145	87	1.95	-9.55e-04	-1.65e-04	-18.36	0.0	-1.76	12.73	0.02	0.02	-6.50e-03	-0.50
		-0.50	-6.50e-03	1.28e-06	0.0	55.6	-1.76	-5.63	0.02	0.02	-9.55e-04	1.47
145	89	0.69	1.23e-03	-1.54e-04	-9.30	0.0	-1.28	7.33	3.24e-03	4.15e-03	-2.02e-04	-0.91
		-0.91	-2.02e-04	0.0	0.0	55.6	-1.28	-1.97	3.24e-03	4.15e-03	1.23e-03	0.58
145	97	0.69	1.23e-03	-1.54e-04	-9.30	0.0	-1.28	7.33	3.24e-03	4.15e-03	-2.02e-04	-0.91
		-0.91	-2.02e-04	0.0	0.0	55.6	-1.28	-1.97	3.24e-03	4.15e-03	1.23e-03	0.58
145	98	1.58	3.82e-04	-2.02e-04	-18.36	0.0	-1.69	12.95	1.60e-03	3.55e-03	-2.98e-04	-0.95
		-0.95	-2.98e-04	1.07e-06	0.0	55.6	-1.69	-5.41	1.60e-03	3.55e-03	3.82e-04	1.14
145	102	0.64	1.34e-03	-1.62e-04	-9.30	0.0	-1.30	7.39	1.86e-03	2.85e-03	4.08e-04	-0.99
		-0.99	4.08e-04	0.0	0.0	55.6	-1.30	-1.91	1.86e-03	2.85e-03	1.34e-03	0.53
145	103	1.39	6.13e-04	-2.03e-04	-17.06	0.0	-1.65	12.20	4.56e-04	2.33e-03	3.26e-04	-1.03
		-1.03	3.26e-04	0.0	0.0	55.6	-1.65	-4.86	4.56e-04	2.33e-03	6.13e-04	1.01
145	105	1.53	2.36e-04	-1.88e-04	-17.06	0.0	-1.64	12.10	4.53e-03	6.24e-03	-1.52e-03	-0.86
		-0.86	-1.52e-03	1.06e-06	0.0	55.6	-1.64	-4.96	4.53e-03	6.24e-03	2.36e-04	1.13
145	106	0.69	1.23e-03	-1.54e-04	-9.30	0.0	-1.28	7.33	3.24e-03	4.15e-03	-2.02e-04	-0.91
		-0.91	-2.02e-04	0.0	0.0	55.6	-1.28	-1.97	3.24e-03	4.15e-03	1.23e-03	0.58
145	107	1.45	5.03e-04	-1.95e-04	-17.06	0.0	-1.63	12.15	1.83e-03	3.63e-03	-2.84e-04	-0.95
		-0.95	-2.84e-04	1.02e-06	0.0	55.6	-1.63	-4.92	1.83e-03	3.63e-03	5.03e-04	1.06
145	116	1.16	-3.33e-03	-3.66e-04	-17.06	0.0	-1.64	14.23	-0.02	-0.02	-3.33e-03	-1.42
		-1.42	-0.02	2.30e-04	0.0	55.6	-1.64	-2.83	-0.02	-0.02	-0.02	0.84
145	119	1.76	0.02	-3.98e-05	-17.06	0.0	-1.62	10.06	0.02	0.03	2.77e-03	-0.47
		-0.47	2.77e-03	-2.28e-04	0.0	55.6	-1.62	-7.00	0.02	0.03	0.02	1.29
145	133	4.19	2.04e-03	1.52e-04	-17.06	0.0	-1.30	8.44	-8.41e-03	5.14e-03	2.99e-04	3.15
		2.86	2.99e-04	-3.40e-06	0.0	55.6	-1.30	-8.62	-8.41e-03	5.14e-03	2.04e-03	2.86
145	134	-0.73	-8.67e-04	-5.43e-04	-17.06	0.0	-1.96	15.85	0.01	2.12e-03	-8.67e-04	-5.04
		-5.04	-1.03e-03	5.44e-06	0.0	55.6	-1.96	-1.21	0.01	2.12e-03	-1.03e-03	-0.74
145	148	1.12	-3.73e-03	-3.88e-04	-17.06	0.0	-1.64	14.49	-0.02	-0.03	-3.73e-03	-1.48
		-1.48	-0.02	2.60e-04	0.0	55.6	-1.64	-2.57	-0.02	-0.03	-0.02	0.81
145	151	1.80	0.02	-2.77e-05	-17.06	0.0	-1.62	9.80	0.03	0.03	3.17e-03	-0.41
		-0.41	3.17e-03	-2.58e-04	0.0	55.6	-1.62	-7.26	0.03	0.03	0.02	1.32
145	165	4.58	2.25e-03	1.95e-04	-17.06	0.0	-1.26	7.98	-9.72e-03	5.36e-03	3.76e-04	3.66
		3.09	3.76e-04	-4.54e-06	0.0	55.6	-1.26	-9.08	-9.72e-03	5.36e-03	2.25e-03	3.09
145	166	-0.96	-9.44e-04	-5.86e-04	-17.06	0.0	-2.00	16.31	0.01	1.90e-03	-9.44e-04	-5.55
		-5.55	-1.24e-03	6.58e-06	0.0	55.6	-2.00	-0.75	0.01	1.90e-03	-1.24e-03	-0.96
145	180	1.11	-3.82e-03	-3.84e-04	-17.06	0.0	-1.64	14.47	-0.03	-0.03	-3.82e-03	-1.50
		-1.50	-0.02	2.71e-04	0.0	55.6	-1.64	-2.59	-0.03	-0.03	-0.02	0.80
145	183	1.81	0.02	-2.94e-05	-17.06	0.0	-1.62	9.82	0.03	0.03	3.25e-03	-0.40
		-0.40	3.25e-03	-2.69e-04	0.0	55.6	-1.62	-7.24	0.03	0.03	0.02	1.33
145	197	4.52	2.32e-03	1.90e-04	-17.06	0.0	-1.27	8.03	-9.78e-03	5.54e-03	4.00e-04	3.59
		3.06	4.00e-04	-7.43e-06	0.0	55.6	-1.27	-9.03	-9.78e-03	5.54e-03	2.32e-03	3.06
145	198	-0.93	-9.68e-04	-5.81e-04	-17.06	0.0	-1.99	16.26	0.01	1.73e-03	-9.68e-04	-5.48
		-5.48	-1.32e-03	9.47e-06	0.0	55.6	-1.99	-0.80	0.01	1.73e-03	-1.32e-03	-0.93
145	212	1.06	-4.54e-03	-4.17e-04	-17.06	0.0	-1.64	14.88	-0.03	-0.03	-4.54e-03	-1.58

		-1.58	-0.02	3.28e-04	0.0	55.6	-1.64	-2.18	-0.03	-0.03	-0.02	0.75
145	215	1.87	0.02	2.58e-05	-17.06	0.0	-1.62	9.41	0.03	0.04	3.97e-03	-0.31
		-0.31	3.97e-03	-3.26e-04	0.0	55.6	-1.62	-7.65	0.03	0.04	0.02	1.37
145	229	5.08	2.70e-03	2.54e-04	-17.06	0.0	-1.21	7.35	-0.01	6.01e-03	5.36e-04	4.33
		3.38	5.36e-04	-1.15e-05	0.0	55.6	-1.21	-9.71	-0.01	6.01e-03	2.70e-03	3.38
145	230	-1.25	-1.10e-03	-6.45e-04	-17.06	0.0	-2.05	16.94	0.02	1.25e-03	-1.10e-03	-6.22
		-6.22	-1.69e-03	1.36e-05	0.0	55.6	-2.05	-0.12	0.02	1.25e-03	-1.69e-03	-1.25
145	234	-1.22	9.06e-04	-6.43e-04	-17.06	0.0	-2.04	16.90	0.02	3.76e-03	-7.81e-04	-6.22
		-6.22	-7.81e-04	-5.00e-06	0.0	55.6	-2.04	-0.16	0.02	3.76e-03	9.06e-04	-1.22
146	4	-1.40	4.92e-03	-3.98e-04	-32.36	0.0	-2.33	26.81	-4.22e-03	8.28e-03	4.92e-03	-7.57
		-7.57	2.21e-03	1.34e-06	0.0	55.6	-2.33	-5.55	-4.22e-03	8.28e-03	2.21e-03	-1.66
146	18	-1.73	6.21e-03	-3.79e-04	-26.54	0.0	-2.16	22.76	-3.46e-03	9.73e-03	6.21e-03	-7.15
		-7.15	3.95e-03	0.0	0.0	55.6	-2.16	-3.77	-3.46e-03	9.73e-03	3.95e-03	-1.87
146	28	-0.58	-1.24e-03	-3.38e-04	-32.36	0.0	-2.39	26.34	-6.28e-03	1.68e-03	-1.24e-03	-6.54
		-6.54	-5.31e-03	2.22e-06	0.0	55.6	-2.39	-6.01	-6.28e-03	1.68e-03	-5.31e-03	-0.90
146	43	-0.32	-4.15e-03	-2.67e-04	-26.54	0.0	-2.24	21.55	-6.81e-03	-1.51e-03	-4.15e-03	-5.18
		-5.18	-8.61e-03	1.91e-06	0.0	55.6	-2.24	-4.98	-6.81e-03	-1.51e-03	-8.61e-03	-0.58
146	47	-0.04	-4.79e-03	-2.00e-04	-22.02	0.0	-1.83	17.53	-5.81e-03	-2.88e-03	-4.79e-03	-3.92
		-3.92	-8.59e-03	1.56e-06	0.0	55.6	-1.83	-4.49	-5.81e-03	-2.88e-03	-8.59e-03	-0.30
146	53	-0.91	2.01e-03	-1.59e-04	-8.44	0.0	-1.03	8.07	-2.90e-03	4.38e-03	2.01e-03	-3.05
		-3.05	1.23e-05	0.0	0.0	55.6	-1.03	-0.36	-2.90e-03	4.38e-03	1.23e-05	-0.91
146	68	-1.06	3.54e-03	-2.82e-04	-22.24	0.0	-1.67	18.58	-3.17e-03	6.09e-03	3.54e-03	-5.37
		-5.37	1.48e-03	0.0	0.0	55.6	-1.67	-3.66	-3.17e-03	6.09e-03	1.48e-03	-1.22
146	75	-1.28	4.40e-03	-2.70e-04	-18.36	0.0	-1.55	15.88	-2.66e-03	7.06e-03	4.40e-03	-5.09
		-5.09	2.64e-03	0.0	0.0	55.6	-1.55	-2.47	-2.66e-03	7.06e-03	2.64e-03	-1.37
146	80	-0.52	-5.67e-04	-2.42e-04	-22.24	0.0	-1.71	18.27	-4.55e-03	1.69e-03	-5.67e-04	-4.69
		-4.69	-3.53e-03	1.56e-06	0.0	55.6	-1.71	-3.97	-4.55e-03	1.69e-03	-3.53e-03	-0.72
146	87	-0.34	-2.51e-03	-1.95e-04	-18.36	0.0	-1.61	15.07	-4.89e-03	-4.37e-04	-2.51e-03	-3.78
		-3.78	-5.73e-03	1.35e-06	0.0	55.6	-1.61	-3.28	-4.89e-03	-4.37e-04	-5.73e-03	-0.50
146	89	-0.91	2.03e-03	-1.67e-04	-9.30	0.0	-1.08	8.77	-2.96e-03	4.40e-03	2.03e-03	-3.20
		-3.20	0.0	0.0	0.0	55.6	-1.08	-0.53	-2.96e-03	4.40e-03	0.0	-0.91
146	97	-0.91	2.03e-03	-1.67e-04	-9.30	0.0	-1.08	8.77	-2.96e-03	4.40e-03	2.03e-03	-3.20
		-3.20	0.0	0.0	0.0	55.6	-1.08	-0.53	-2.96e-03	4.40e-03	0.0	-0.91
146	98	-0.81	2.10e-03	-2.28e-04	-18.36	0.0	-1.44	15.32	-3.39e-03	4.44e-03	2.10e-03	-4.36
		-4.36	-1.28e-04	1.16e-06	0.0	55.6	-1.44	-3.04	-3.39e-03	4.44e-03	-1.28e-04	-0.95
146	103	-0.92	2.54e-03	-2.26e-04	-17.06	0.0	-1.41	14.44	-3.17e-03	4.93e-03	2.54e-03	-4.31
		-4.31	4.41e-04	0.0	0.0	55.6	-1.41	-2.62	-3.17e-03	4.93e-03	4.41e-04	-1.03
146	105	-0.74	1.17e-03	-2.13e-04	-17.06	0.0	-1.42	14.33	-3.63e-03	3.46e-03	1.17e-03	-4.08
		-4.08	-1.23e-03	1.15e-06	0.0	55.6	-1.42	-2.73	-3.63e-03	3.46e-03	-1.23e-03	-0.86
146	106	-0.91	2.03e-03	-1.67e-04	-9.30	0.0	-1.08	8.77	-2.96e-03	4.40e-03	2.03e-03	-3.20
		-3.20	0.0	0.0	0.0	55.6	-1.08	-0.53	-2.96e-03	4.40e-03	0.0	-0.91
146	107	-0.83	2.09e-03	-2.19e-04	-17.06	0.0	-1.39	14.38	-3.33e-03	4.43e-03	2.09e-03	-4.20
		-4.20	-1.10e-04	1.12e-06	0.0	55.6	-1.39	-2.68	-3.33e-03	4.43e-03	-1.10e-04	-0.95
146	116	-1.42	-5.50e-03	-3.73e-04	-17.06	0.0	-1.40	16.25	2.55e-03	-9.73e-03	-6.96e-03	-6.85
		-6.85	-6.96e-03	2.30e-04	0.0	55.6	-1.40	-0.81	2.55e-03	-9.73e-03	-5.50e-03	-1.42
146	119	0.24	0.01	-6.82e-05	-17.06	0.0	-1.37	12.51	-9.21e-03	0.02	0.01	-1.55
		-1.55	5.28e-03	-2.27e-04	0.0	55.6	-1.37	-4.55	-9.21e-03	0.02	5.28e-03	-0.47
146	133	3.85	2.61e-03	8.95e-05	-17.06	0.0	-1.00	10.99	1.76e-03	-1.75e-05	2.61e-03	2.05
		2.05	2.83e-04	-2.24e-06	0.0	55.6	-1.00	-6.07	1.76e-03	-1.75e-05	2.83e-04	3.15
146	134	-5.04	1.57e-03	-5.28e-04	-17.06	0.0	-1.78	17.77	-8.42e-03	8.88e-03	1.57e-03	-10.44
		-10.44	-5.03e-04	4.48e-06	0.0	55.6	-1.78	0.71	-8.42e-03	8.88e-03	-5.03e-04	-5.04
146	136	-4.69	-2.80e-03	-5.66e-04	-17.06	0.0	-1.73	18.29	-4.42e-03	9.41e-03	-2.84e-03	-10.45
		-10.45	-2.84e-03	1.44e-04	0.0	55.6	-1.73	1.22	-4.42e-03	9.41e-03	-2.80e-03	-4.69
146	148	-1.48	-6.20e-03	-3.92e-04	-17.06	0.0	-1.40	16.48	3.31e-03	-0.01	-8.15e-03	-7.18
		-7.18	-8.15e-03	2.60e-04	0.0	55.6	-1.40	-0.58	3.31e-03	-0.01	-6.20e-03	-1.48
146	151	0.40	0.01	-5.32e-05	-17.06	0.0	-1.37	12.28	-9.97e-03	0.02	0.01	-1.22
		-1.22	5.98e-03	-2.58e-04	0.0	55.6	-1.37	-4.78	-9.97e-03	0.02	5.98e-03	-0.41
146	165	4.46	2.69e-03	1.28e-04	-17.06	0.0	-0.95	10.57	2.40e-03	-5.81e-04	2.69e-03	2.83
		2.83	3.40e-04	-3.26e-06	0.0	55.6	-0.95	-6.49	2.40e-03	-5.81e-04	3.40e-04	3.66
146	166	-5.55	1.50e-03	-5.67e-04	-17.06	0.0	-1.82	18.20	-9.06e-03	9.45e-03	1.50e-03	-11.22
		-11.22	-5.60e-04	5.49e-06	0.0	55.6	-1.82	1.14	-9.06e-03	9.45e-03	-5.60e-04	-5.55
146	168	-5.16	-3.15e-03	-6.10e-04	-17.06	0.0	-1.77	18.77	-4.55e-03	0.01	-3.48e-03	-11.23
		-11.23	-3.48e-03	1.64e-04	0.0	55.6	-1.77	1.71	-4.55e-03	0.01	-3.15e-03	-5.16
146	180	-1.50	-6.38e-03	-3.89e-04	-17.06	0.0	-1.41	16.46	3.45e-03	-0.01	-8.46e-03	-7.11
		-7.11	-8.46e-03	2.71e-04	0.0	55.6	-1.41	-0.60	3.45e-03	-0.01	-6.38e-03	-1.50
146	183	0.38	0.01	-5.54e-05	-17.06	0.0	-1.37	12.30	-0.01	0.02	0.01	-1.29
		-1.29	6.16e-03	-2.69e-04	0.0	55.6	-1.37	-4.76	-0.01	0.02	6.16e-03	-0.40
146	197	4.38	2.74e-03	1.24e-04	-17.06	0.0	-0.96	10.61	2.35e-03	-6.27e-04	2.74e-03	2.72
		2.72	3.86e-04	-6.24e-06	0.0	55.6	-0.96	-6.45	2.35e-03	-6.27e-04	3.86e-04	3.59
146	198	-5.48	1.45e-03	-5.63e-04	-17.06	0.0	-1.82	18.15	-9.01e-03	9.49e-03	1.45e-03	-11.12
		-11.12	-6.06e-04	8.47e-06	0.0	55.6	-1.82	1.09	-9.01e-03	9.49e-03	-6.06e-04	-5.48
146	200	-5.11	-3.26e-03	-6.05e-04	-17.06	0.0	-1.77	18.72	-4.48e-03	0.01	-3.64e-03	-11.13
		-11.13	-3.64e-03	1.71e-04	0.0	55.6	-1.77	1.66	-4.48e-03	0.01	-3.26e-03	-5.11
146	212	-1.58	-7.65e-03	-4.19e-04	-17.06	0.0	-1.41	16.83	4.86e-03	-0.01	-0.01	-7.60
		-7.60	-0.01	3.28e-04	0.0	55.6	-1.41	-0.23	4.86e-03	-0.01	-7.65e-03	-1.58

146	215	0.64	0.01	-3.59e-05	-17.06	0.0	-1.36	11.94	-0.01	0.02	0.01	-0.80
		-0.80	7.43e-03	-3.26e-04	0.0	55.6	-1.36	-5.12	-0.01	0.02	7.43e-03	-0.31
146	229	5.28	2.89e-03	1.81e-04	-17.06	0.0	-0.89	9.99	3.33e-03	-1.54e-03	2.89e-03	3.85
		3.85	5.07e-04	-1.02e-05	0.0	55.6	-0.89	-7.07	3.33e-03	-1.54e-03	5.07e-04	4.33
146	230	-6.22	1.30e-03	-6.19e-04	-17.06	0.0	-1.88	18.77	-9.99e-03	0.01	1.30e-03	-12.24
		-12.24	-7.27e-04	1.24e-05	0.0	55.6	-1.88	1.71	-9.99e-03	0.01	-7.27e-04	-6.22
146	232	-5.79	-3.91e-03	-6.68e-04	-17.06	0.0	-1.83	19.44	-4.60e-03	0.01	-4.78e-03	-12.27
		-12.27	-4.78e-03	2.07e-04	0.0	55.6	-1.83	2.38	-4.60e-03	0.01	-3.91e-03	-5.79
147	4	-2.96	0.02	1.79e-04	-15.69	0.0	3.29	5.02	0.04	0.02	-1.88e-03	-3.39
		-4.91	-1.88e-03	0.0	0.0	53.6	3.29	-10.67	0.04	0.02	0.02	-4.91
147	18	-2.31	0.02	1.39e-04	-12.90	0.0	2.99	4.04	0.05	0.02	-1.70e-03	-2.65
		-3.94	-1.70e-03	0.0	0.0	53.6	2.99	-8.86	0.05	0.02	0.02	-3.94
147	19	-0.73	0.02	4.22e-05	-4.17	0.0	1.47	1.16	0.03	0.01	-1.01e-03	-0.82
		-1.31	-1.01e-03	-1.48e-06	0.0	53.6	1.47	-3.01	0.03	0.01	0.02	-1.31
147	28	-3.95	0.01	2.29e-04	-15.69	0.0	3.04	4.84	0.03	0.02	-2.06e-03	-4.36
		-5.96	-2.06e-03	1.14e-06	0.0	53.6	3.04	-10.85	0.03	0.02	0.01	-5.96
147	45	-2.38	4.00e-03	1.26e-04	-4.17	0.0	1.05	0.87	0.01	0.01	-1.31e-03	-2.42
		-3.08	-1.31e-03	0.0	0.0	53.6	1.05	-3.30	0.01	0.01	4.00e-03	-3.08
147	68	-2.14	0.01	1.28e-04	-10.80	0.0	2.34	3.41	0.03	0.01	-1.40e-03	-2.43
		-3.50	-1.40e-03	0.0	0.0	53.6	2.34	-7.38	0.03	0.01	0.01	-3.50
147	72	-1.08	0.01	6.08e-05	-4.58	0.0	1.51	1.24	0.03	0.01	-1.09e-03	-1.17
		-1.73	-1.09e-03	0.0	0.0	53.6	1.51	-3.34	0.03	0.01	0.01	-1.73
147	75	-1.71	0.02	1.02e-04	-8.93	0.0	2.14	2.76	0.03	0.01	-1.28e-03	-1.93
		-2.85	-1.28e-03	0.0	0.0	53.6	2.14	-6.17	0.03	0.01	0.02	-2.85
147	80	-2.80	9.37e-03	1.62e-04	-10.80	0.0	2.17	3.30	0.02	0.01	-1.52e-03	-3.07
		-4.20	-1.52e-03	0.0	0.0	53.6	2.17	-7.50	0.02	0.01	9.37e-03	-4.20
147	85	-2.18	5.91e-03	1.17e-04	-4.58	0.0	1.23	1.05	0.02	0.01	-1.29e-03	-2.24
		-2.91	-1.29e-03	0.0	0.0	53.6	1.23	-3.54	0.02	0.01	5.91e-03	-2.91
147	98	-2.14	0.01	1.24e-04	-8.93	0.0	1.97	2.76	0.03	0.01	-1.38e-03	-2.36
		-3.28	-1.38e-03	0.0	0.0	53.6	1.97	-6.17	0.03	0.01	0.01	-3.28
147	102	-1.52	0.01	8.31e-05	-4.58	0.0	1.45	1.17	0.02	0.01	-1.18e-03	-1.60
		-2.20	-1.18e-03	0.0	0.0	53.6	1.45	-3.42	0.02	0.01	0.01	-2.20
147	103	-1.95	0.01	1.13e-04	-8.31	0.0	1.91	2.55	0.03	0.01	-1.33e-03	-2.16
		-3.03	-1.33e-03	0.0	0.0	53.6	1.91	-5.76	0.03	0.01	0.01	-3.03
147	104	-1.74	8.68e-03	9.43e-05	-4.58	0.0	1.40	1.13	0.02	0.01	-1.22e-03	-1.82
		-2.44	-1.22e-03	0.0	0.0	53.6	1.40	-3.45	0.02	0.01	8.68e-03	-2.44
147	106	-1.63	9.38e-03	8.87e-05	-4.58	0.0	1.44	1.15	0.02	0.01	-1.21e-03	-1.71
		-2.32	-1.21e-03	0.0	0.0	53.6	1.44	-3.43	0.02	0.01	9.38e-03	-2.32
147	107	-2.06	0.01	1.19e-04	-8.31	0.0	1.89	2.53	0.02	0.01	-1.36e-03	-2.27
		-3.14	-1.36e-03	0.0	0.0	53.6	1.89	-5.78	0.02	0.01	0.01	-3.14
147	113	-0.72	1.27e-03	4.86e-05	-8.31	0.0	0.06	3.25	-0.10	-0.02	1.27e-03	-1.05
		-1.57	-0.05	6.20e-05	0.0	53.6	0.06	-5.06	-0.10	-0.02	-0.05	-1.57
147	114	-3.38	0.08	1.89e-04	-8.31	0.0	3.73	1.81	0.15	0.05	-3.99e-03	-3.50
		-4.71	-3.99e-03	-6.13e-05	0.0	53.6	3.73	-6.50	0.15	0.05	0.08	-4.71
147	136	4.75	0.04	-1.64e-04	-8.31	0.0	2.47	3.52	0.08	0.02	-1.97e-03	4.36
		3.99	-1.97e-03	3.62e-05	0.0	53.6	2.47	-4.79	0.08	0.02	0.04	3.99
147	139	-8.82	-7.50e-04	4.02e-04	-8.31	0.0	1.32	1.54	-0.03	2.38e-03	-7.50e-04	-8.90
		-10.28	-0.02	-3.55e-05	0.0	53.6	1.32	-6.77	-0.03	2.38e-03	-0.02	-10.28
147	145	-0.55	1.60e-03	3.96e-05	-8.31	0.0	-0.17	3.34	-0.12	-0.03	1.60e-03	-0.89
		-1.37	-0.06	7.06e-05	0.0	53.6	-0.17	-4.97	-0.12	-0.03	-0.06	-1.37
147	146	-3.55	0.08	1.98e-04	-8.31	0.0	3.96	1.72	0.17	0.06	-4.31e-03	-3.65
		-4.91	-4.31e-03	-6.99e-05	0.0	53.6	3.96	-6.59	0.17	0.06	0.08	-4.91
147	168	5.61	0.04	-1.99e-04	-8.31	0.0	2.54	3.65	0.09	0.03	-2.04e-03	5.20
		4.89	-2.04e-03	4.15e-05	0.0	53.6	2.54	-4.67	0.09	0.03	0.04	4.89
147	171	-9.67	-6.71e-04	4.37e-04	-8.31	0.0	1.25	1.41	-0.04	9.07e-04	-6.71e-04	-9.74
		-11.18	-0.02	-4.09e-05	0.0	53.6	1.25	-6.90	-0.04	9.07e-04	-0.02	-11.18
147	177	-0.56	1.39e-03	3.94e-05	-8.31	0.0	-0.06	3.35	-0.11	-0.03	1.39e-03	-0.90
		-1.37	-0.06	9.25e-05	0.0	53.6	-0.06	-4.97	-0.11	-0.03	-0.06	-1.37
147	178	-3.54	0.08	1.99e-04	-8.31	0.0	3.85	1.71	0.16	0.05	-4.10e-03	-3.64
		-4.91	-4.10e-03	-9.18e-05	0.0	53.6	3.85	-6.60	0.16	0.05	0.08	-4.91
147	200	5.59	0.04	-1.99e-04	-8.31	0.0	2.55	3.66	0.09	0.03	-2.05e-03	5.17
		4.87	-2.05e-03	4.80e-05	0.0	53.6	2.55	-4.65	0.09	0.03	0.04	4.87
147	203	-9.64	-6.63e-04	4.37e-04	-8.31	0.0	1.24	1.40	-0.04	6.26e-04	-6.63e-04	-9.71
		-11.16	-0.02	-4.73e-05	0.0	53.6	1.24	-6.91	-0.04	6.26e-04	-0.02	-11.16
147	209	-0.28	1.75e-03	2.49e-05	-8.31	0.0	-0.34	3.49	-0.13	-0.03	1.75e-03	-0.65
		-1.05	-0.07	1.22e-04	0.0	53.6	-0.34	-4.82	-0.13	-0.03	-0.07	-1.05
147	210	-3.80	0.09	2.13e-04	-8.31	0.0	4.13	1.57	0.18	0.06	-4.46e-03	-3.89
		-5.23	-4.46e-03	-1.21e-04	0.0	53.6	4.13	-6.75	0.18	0.06	0.09	-5.23
147	232	6.92	0.05	-2.55e-04	-8.31	0.0	2.67	3.87	0.10	0.03	-2.17e-03	6.45
		6.27	-2.17e-03	6.04e-05	0.0	53.6	2.67	-4.44	0.10	0.03	0.05	6.27
147	235	-10.94	-5.46e-04	4.93e-04	-8.31	0.0	1.12	1.19	-0.05	-1.63e-03	-5.46e-04	-10.99
		-12.56	-0.03	-5.97e-05	0.0	53.6	1.12	-7.12	-0.05	-1.63e-03	-0.03	-12.56
148	4	-0.30	-6.78e-04	2.32e-04	-16.28	0.0	3.18	2.84	0.01	0.03	-4.19e-03	-0.44
		-3.39	-4.19e-03	0.0	0.0	55.7	3.18	-13.45	0.01	0.03	-6.78e-04	-3.39
148	19	0.16	-2.53e-04	5.62e-05	-4.33	0.0	1.34	0.44	7.01e-03	0.02	-2.56e-03	0.14

		-0.82	-2.56e-03	-1.54e-06	0.0	55.7	1.34	-3.89	7.01e-03	0.02	-2.53e-04	-0.82
148	28	-1.03	-9.32e-04	2.96e-04	-16.28	0.0	3.11	2.33	0.01	0.03	-4.05e-03	-1.12
		-4.36	-4.05e-03	1.19e-06	0.0	55.7	3.11	-13.96	0.01	0.03	-9.32e-04	-4.36
148	45	-0.99	-6.76e-04	1.63e-04	-4.33	0.0	1.22	-0.41	5.57e-03	0.01	-2.32e-03	-0.99
		-2.42	-2.32e-03	0.0	0.0	55.7	1.22	-4.74	5.57e-03	0.01	-6.76e-04	-2.42
148	52	-0.67	-8.21e-04	2.64e-04	-16.28	0.0	3.20	2.59	0.01	0.03	-4.13e-03	-0.78
		-3.87	-4.13e-03	0.0	0.0	55.7	3.20	-13.69	0.01	0.03	-8.21e-04	-3.87
148	68	-0.26	-5.12e-04	1.66e-04	-11.20	0.0	2.26	1.85	8.07e-03	0.02	-3.10e-03	-0.34
		-2.43	-3.10e-03	0.0	0.0	55.7	2.26	-9.35	8.07e-03	0.02	-5.12e-04	-2.43
148	72	-0.05	-3.42e-04	8.00e-05	-4.76	0.0	1.42	0.38	6.88e-03	0.02	-2.58e-03	-0.06
		-1.17	-2.58e-03	0.0	0.0	55.7	1.42	-4.38	6.88e-03	0.02	-3.42e-04	-1.17
148	80	-0.74	-6.82e-04	2.09e-04	-11.20	0.0	2.22	1.51	7.50e-03	0.02	-3.00e-03	-0.80
		-3.07	-3.00e-03	0.0	0.0	55.7	2.22	-9.69	7.50e-03	0.02	-6.82e-04	-3.07
148	85	-0.82	-6.24e-04	1.51e-04	-4.76	0.0	1.34	-0.19	5.93e-03	0.02	-2.42e-03	-0.82
		-2.24	-2.42e-03	0.0	0.0	55.7	1.34	-4.94	5.93e-03	0.02	-6.24e-04	-2.24
148	92	-0.51	-6.08e-04	1.87e-04	-11.20	0.0	2.28	1.69	7.78e-03	0.02	-3.06e-03	-0.58
		-2.75	-3.06e-03	0.0	0.0	55.7	2.28	-9.51	7.78e-03	0.02	-6.08e-04	-2.75
148	98	-0.47	-5.75e-04	1.61e-04	-9.27	0.0	1.96	1.33	7.31e-03	0.02	-2.87e-03	-0.53
		-2.36	-2.87e-03	0.0	0.0	55.7	1.96	-7.94	7.31e-03	0.02	-5.75e-04	-2.36
148	102	-0.37	-4.70e-04	1.08e-04	-4.76	0.0	1.44	0.16	6.49e-03	0.02	-2.52e-03	-0.37
		-1.60	-2.52e-03	0.0	0.0	55.7	1.44	-4.60	6.49e-03	0.02	-4.70e-04	-1.60
148	104	-0.52	-5.26e-04	1.23e-04	-4.76	0.0	1.42	0.05	6.30e-03	0.02	-2.49e-03	-0.52
		-1.82	-2.49e-03	0.0	0.0	55.7	1.42	-4.71	6.30e-03	0.02	-5.26e-04	-1.82
148	105	-0.55	-5.89e-04	1.62e-04	-8.62	0.0	1.86	1.10	7.08e-03	0.02	-2.80e-03	-0.59
		-2.38	-2.80e-03	0.0	0.0	55.7	1.86	-7.53	7.08e-03	0.02	-5.89e-04	-2.38
148	106	-0.44	-5.01e-04	1.15e-04	-4.76	0.0	1.44	0.11	6.39e-03	0.02	-2.51e-03	-0.44
		-1.71	-2.51e-03	0.0	0.0	55.7	1.44	-4.65	6.39e-03	0.02	-5.01e-04	-1.71
148	107	-0.47	-5.65e-04	1.54e-04	-8.62	0.0	1.88	1.16	7.18e-03	0.02	-2.82e-03	-0.51
		-2.27	-2.82e-03	0.0	0.0	55.7	1.88	-7.47	7.18e-03	0.02	-5.65e-04	-2.27
148	113	0.39	2.08e-03	6.90e-05	-8.62	0.0	0.52	1.96	-0.01	-0.03	2.08e-03	0.27
		-1.05	-5.69e-03	5.15e-05	0.0	55.7	0.52	-6.67	-0.01	-0.03	-5.69e-03	-1.05
148	114	-1.29	4.56e-03	2.40e-04	-8.62	0.0	3.25	0.36	0.03	0.06	-7.71e-03	-1.30
		-3.50	-7.71e-03	-5.08e-05	0.0	55.7	3.25	-8.27	0.03	0.06	4.56e-03	-3.50
148	136	4.73	1.37e-03	-2.32e-04	-8.62	0.0	2.27	5.22	0.01	0.03	-4.36e-03	3.85
		3.85	-4.36e-03	3.60e-05	0.0	55.7	2.27	-3.41	0.01	0.03	1.37e-03	4.36
148	139	-4.88	-1.28e-03	5.41e-04	-8.62	0.0	1.50	-2.91	9.56e-04	3.64e-03	-1.28e-03	-4.88
		-8.90	-2.50e-03	-3.53e-05	0.0	55.7	1.50	-11.53	9.56e-04	3.64e-03	-2.50e-03	-8.90
148	145	0.50	2.68e-03	5.81e-05	-8.62	0.0	0.35	2.06	-0.01	-0.04	2.68e-03	0.37
		-0.89	-6.33e-03	5.88e-05	0.0	55.7	0.35	-6.57	-0.01	-0.04	-6.33e-03	-0.89
148	146	-1.39	5.20e-03	2.51e-04	-8.62	0.0	3.42	0.25	0.03	0.07	-8.32e-03	-1.39
		-3.65	-8.32e-03	-5.81e-05	0.0	55.7	3.42	-8.37	0.03	0.07	5.20e-03	-3.65
148	168	5.46	1.62e-03	-2.81e-04	-8.62	0.0	2.32	5.73	0.01	0.03	-4.56e-03	4.41
		4.41	-4.56e-03	4.14e-05	0.0	55.7	2.32	-2.89	0.01	0.03	1.62e-03	5.20
148	171	-5.43	-1.08e-03	5.90e-04	-8.62	0.0	1.45	-3.42	1.49e-04	1.84e-03	-1.08e-03	-5.43
		-9.74	-2.75e-03	-4.07e-05	0.0	55.7	1.45	-12.04	1.49e-04	1.84e-03	-2.75e-03	-9.74
148	177	0.50	2.31e-03	5.82e-05	-8.62	0.0	0.43	2.05	-0.01	-0.03	2.31e-03	0.36
		-0.90	-5.97e-03	8.18e-05	0.0	55.7	0.43	-6.58	-0.01	-0.03	-5.97e-03	-0.90
148	178	-1.39	4.84e-03	2.51e-04	-8.62	0.0	3.34	0.26	0.03	0.07	-7.95e-03	-1.39
		-3.64	-7.95e-03	-8.11e-05	0.0	55.7	3.34	-8.36	0.03	0.07	4.84e-03	-3.64
148	200	5.44	1.67e-03	-2.80e-04	-8.62	0.0	2.33	5.71	0.01	0.03	-4.60e-03	4.39
		4.39	-4.60e-03	4.82e-05	0.0	55.7	2.33	-2.91	0.01	0.03	1.67e-03	5.17
148	203	-5.41	-1.04e-03	5.89e-04	-8.62	0.0	1.44	-3.40	-2.27e-05	1.44e-03	-1.04e-03	-5.41
		-9.71	-2.80e-03	-4.75e-05	0.0	55.7	1.44	-12.03	-2.27e-05	1.44e-03	-2.80e-03	-9.71
148	209	0.68	3.00e-03	4.08e-05	-8.62	0.0	0.22	2.20	-0.01	-0.04	3.00e-03	0.52
		-0.65	-6.70e-03	1.10e-04	0.0	55.7	0.22	-6.42	-0.01	-0.04	-6.70e-03	-0.65
148	210	-1.55	5.58e-03	2.68e-04	-8.62	0.0	3.55	0.11	0.03	0.07	-8.63e-03	-1.55
		-3.89	-8.63e-03	-1.09e-04	0.0	55.7	3.55	-8.52	0.03	0.07	5.58e-03	-3.89
148	232	6.60	2.06e-03	-3.56e-04	-8.62	0.0	2.40	6.50	0.02	0.04	-4.91e-03	5.23
		5.23	-4.91e-03	6.09e-05	0.0	55.7	2.40	-2.12	0.02	0.04	2.06e-03	6.45
148	235	-6.26	-7.29e-04	6.65e-04	-8.62	0.0	1.36	-4.19	-1.28e-03	-1.35e-03	-7.29e-04	-6.26
		-10.99	-3.19e-03	-6.01e-05	0.0	55.7	1.36	-12.81	-1.28e-03	-1.35e-03	-3.19e-03	-10.99
149	4	1.62	4.82e-03	2.01e-04	-16.28	0.0	2.62	5.32	-9.11e-03	0.03	4.82e-03	1.13
		-0.44	-2.88e-03	0.0	0.0	55.7	2.62	-10.96	-9.11e-03	0.03	-2.88e-03	-0.44
149	18	1.55	5.87e-03	1.53e-04	-13.38	0.0	2.40	4.34	-0.01	0.03	5.87e-03	1.15
		-0.15	-2.76e-03	0.0	0.0	55.7	2.40	-9.04	-0.01	0.03	-2.76e-03	-0.15
149	44	0.70	1.31e-04	2.69e-04	-13.38	0.0	2.17	3.60	-3.13e-04	0.03	1.31e-04	0.43
		-1.29	-2.54e-03	1.25e-06	0.0	55.7	2.17	-9.78	-3.13e-04	0.03	-2.54e-03	-1.29
149	45	-0.06	-1.04e-03	1.59e-04	-4.33	0.0	1.00	0.51	1.94e-03	0.02	-1.04e-03	-0.07
		-0.99	-1.55e-03	0.0	0.0	55.7	1.00	-3.81	1.94e-03	0.02	-1.55e-03	-0.99
149	68	1.09	3.40e-03	1.45e-04	-11.20	0.0	1.87	3.59	-6.42e-03	0.02	3.40e-03	0.77
		-0.34	-2.13e-03	0.0	0.0	55.7	1.87	-7.61	-6.42e-03	0.02	-2.13e-03	-0.34
149	75	1.05	4.09e-03	1.13e-04	-9.27	0.0	1.72	2.94	-7.71e-03	0.02	4.09e-03	0.79
		-0.15	-2.05e-03	0.0	0.0	55.7	1.72	-6.33	-7.71e-03	0.02	-2.05e-03	-0.15
149	85	0.10	-1.23e-04	1.45e-04	-4.76	0.0	1.11	0.79	2.07e-04	0.02	-1.23e-04	0.07
		-0.82	-1.63e-03	0.0	0.0	55.7	1.11	-3.96	2.07e-04	0.02	-1.63e-03	-0.82

149	88	0.49	2.67e-04	1.90e-04	-9.27	0.0	1.58	2.44	-5.51e-04	0.02	2.67e-04	0.31
		-0.91	-1.90e-03	0.0	0.0	55.7	1.58	-6.83	-5.51e-04	0.02	-1.90e-03	-0.91
149	98	0.73	1.93e-03	1.45e-04	-9.27	0.0	1.60	2.80	-3.68e-03	0.02	1.93e-03	0.50
		-0.53	-1.96e-03	0.0	0.0	55.7	1.60	-6.47	-3.68e-03	0.02	-1.96e-03	-0.53
149	103	0.74	2.31e-03	1.32e-04	-8.62	0.0	1.55	2.60	-4.37e-03	0.02	2.31e-03	0.52
		-0.44	-1.93e-03	0.0	0.0	55.7	1.55	-6.03	-4.37e-03	0.02	-1.93e-03	-0.44
149	104	0.30	1.26e-03	1.14e-04	-4.76	0.0	1.20	1.01	-2.41e-03	0.02	1.26e-03	0.24
		-0.52	-1.70e-03	0.0	0.0	55.7	1.20	-3.75	-2.41e-03	0.02	-1.70e-03	-0.52
149	105	0.62	1.54e-03	1.47e-04	-8.62	0.0	1.52	2.50	-2.93e-03	0.02	1.54e-03	0.42
		-0.59	-1.91e-03	0.0	0.0	55.7	1.52	-6.13	-2.93e-03	0.02	-1.91e-03	-0.59
149	106	0.35	1.61e-03	1.06e-04	-4.76	0.0	1.22	1.06	-3.06e-03	0.02	1.61e-03	0.29
		-0.44	-1.71e-03	0.0	0.0	55.7	1.22	-3.70	-3.06e-03	0.02	-1.71e-03	-0.44
149	107	0.68	1.89e-03	1.40e-04	-8.62	0.0	1.55	2.55	-3.59e-03	0.02	1.89e-03	0.47
		-0.51	-1.92e-03	0.0	0.0	55.7	1.55	-6.07	-3.59e-03	0.02	-1.92e-03	-0.51
149	113	1.26	-3.85e-03	4.96e-05	-8.62	0.0	0.23	3.12	0.02	-0.03	-0.01	0.95
		0.27	-0.01	3.80e-05	0.0	55.7	0.23	-5.50	0.02	-0.03	-3.85e-03	0.27
149	114	0.11	0.02	2.30e-04	-8.62	0.0	2.86	1.98	-0.03	0.07	0.02	-0.02
		-1.30	7.91e-06	-3.72e-05	0.0	55.7	2.86	-6.64	-0.03	0.07	7.91e-06	-1.30
149	136	4.00	9.61e-03	-2.87e-04	-8.62	0.0	1.88	6.53	-0.02	0.03	9.61e-03	2.63
		2.63	-1.50e-03	3.43e-05	0.0	55.7	1.88	-2.10	-0.02	0.03	-1.50e-03	3.85
149	139	-1.69	-2.35e-03	5.66e-04	-8.62	0.0	1.21	-1.42	9.84e-03	3.44e-03	-5.83e-03	-1.69
		-4.88	-5.83e-03	-3.35e-05	0.0	55.7	1.21	-10.05	9.84e-03	3.44e-03	-2.35e-03	-4.88
149	145	1.33	-4.09e-03	3.81e-05	-8.62	0.0	0.07	3.19	0.02	-0.04	-0.01	1.02
		0.37	-0.01	4.35e-05	0.0	55.7	0.07	-5.43	0.02	-0.04	-4.09e-03	0.37
149	146	0.04	0.02	2.41e-04	-8.62	0.0	3.02	1.91	-0.03	0.08	0.02	-0.08
		-1.39	2.47e-04	-4.27e-05	0.0	55.7	3.02	-6.71	-0.03	0.08	2.47e-04	-1.39
149	168	4.49	0.01	-3.41e-04	-8.62	0.0	1.92	7.03	-0.02	0.04	0.01	2.90
		2.90	-1.44e-03	3.94e-05	0.0	55.7	1.92	-1.60	-0.02	0.04	-1.44e-03	4.41
149	171	-1.97	-2.40e-03	6.20e-04	-8.62	0.0	1.17	-1.92	0.01	1.45e-03	-6.81e-03	-1.97
		-5.43	-6.81e-03	-3.86e-05	0.0	55.7	1.17	-10.55	0.01	1.45e-03	-2.40e-03	-5.43
149	177	1.34	-3.93e-03	3.83e-05	-8.62	0.0	0.14	3.17	0.02	-0.04	-0.01	1.02
		0.36	-0.01	6.67e-05	0.0	55.7	0.14	-5.45	0.02	-0.04	-3.93e-03	0.36
149	178	0.04	0.02	2.41e-04	-8.62	0.0	2.95	1.94	-0.03	0.07	0.02	-0.09
		-1.39	8.83e-05	-6.59e-05	0.0	55.7	2.95	-6.69	-0.03	0.07	8.83e-05	-1.39
149	200	4.47	0.01	-3.39e-04	-8.62	0.0	1.93	7.00	-0.02	0.04	0.01	2.90
		2.90	-1.43e-03	4.61e-05	0.0	55.7	1.93	-1.63	-0.02	0.04	-1.43e-03	4.39
149	203	-1.97	-2.42e-03	6.19e-04	-8.62	0.0	1.16	-1.89	0.01	9.87e-04	-6.81e-03	-1.97
		-5.41	-6.81e-03	-4.53e-05	0.0	55.7	1.16	-10.52	0.01	9.87e-04	-2.42e-03	-5.41
149	209	1.46	-4.20e-03	2.01e-05	-8.62	0.0	-0.06	3.27	0.02	-0.04	-0.01	1.12
		0.52	-0.01	9.20e-05	0.0	55.7	-0.06	-5.35	0.02	-0.04	-4.20e-03	0.52
149	210	-0.08	0.02	2.59e-04	-8.62	0.0	3.15	1.83	-0.03	0.08	0.02	-0.19
		-1.55	3.52e-04	-9.12e-05	0.0	55.7	3.15	-6.79	-0.03	0.08	3.52e-04	-1.55
149	232	5.26	0.01	-4.23e-04	-8.62	0.0	2.00	7.76	-0.02	0.04	0.01	3.32
		3.32	-1.34e-03	5.84e-05	0.0	55.7	2.00	-0.86	-0.02	0.04	-1.34e-03	5.23
149	235	-2.39	-2.50e-03	7.02e-04	-8.62	0.0	1.09	-2.66	0.01	-2.09e-03	-8.26e-03	-2.39
		-6.26	-8.26e-03	-5.76e-05	0.0	55.7	1.09	-11.28	0.01	-2.09e-03	-2.50e-03	-6.26
150	4	1.83	6.25e-03	1.37e-04	-16.28	0.0	1.29	9.89	0.02	9.86e-03	-1.71e-04	0.16
		0.16	-1.71e-04	-1.13e-06	0.0	55.7	1.29	-6.39	0.02	9.86e-03	6.25e-03	1.13
150	19	0.78	6.25e-03	1.79e-05	-4.33	0.0	0.60	2.90	1.59e-03	6.10e-03	6.25e-03	0.24
		0.24	5.54e-03	-2.38e-06	0.0	55.7	0.60	-1.43	1.59e-03	6.10e-03	5.54e-03	0.65
150	22	1.45	7.58e-03	6.35e-05	-11.10	0.0	0.91	6.93	1.21e-03	7.45e-03	7.58e-03	0.24
		0.24	6.32e-03	-1.97e-06	0.0	55.7	0.91	-4.17	1.21e-03	7.45e-03	6.32e-03	1.01
150	28	1.49	2.86e-03	2.10e-04	-16.28	0.0	1.34	9.49	0.04	9.53e-03	-0.02	-0.05
		-0.05	-0.02	0.0	0.0	55.7	1.34	-6.79	0.04	9.53e-03	2.86e-03	0.70
150	41	0.45	7.83e-04	1.72e-04	-6.61	0.0	0.92	3.62	0.05	7.53e-03	-0.02	-0.10
		-0.10	-0.02	0.0	0.0	55.7	0.92	-2.99	0.05	7.53e-03	7.83e-04	0.07
150	45	0.21	-1.02e-04	1.40e-04	-4.33	0.0	0.67	2.22	0.04	5.54e-03	-0.02	-0.11
		-0.11	-0.02	0.0	0.0	55.7	0.67	-2.10	0.04	5.54e-03	-1.02e-04	-0.07
150	68	1.25	4.46e-03	9.97e-05	-11.20	0.0	0.94	6.80	0.01	7.29e-03	-1.24e-03	0.11
		0.11	-1.24e-03	0.0	0.0	55.7	0.94	-4.40	0.01	7.29e-03	4.46e-03	0.77
150	72	0.71	4.58e-03	4.17e-05	-4.76	0.0	0.64	3.07	8.37e-03	6.11e-03	1.57e-03	0.16
		0.16	1.57e-03	-1.70e-06	0.0	55.7	0.64	-1.69	8.37e-03	6.11e-03	4.58e-03	0.55
150	75	1.16	5.09e-03	7.21e-05	-9.27	0.0	0.85	5.76	8.11e-03	7.01e-03	2.46e-03	0.17
		0.17	2.46e-03	-1.43e-06	0.0	55.7	0.85	-3.51	8.11e-03	7.01e-03	5.09e-03	0.79
150	80	1.03	2.20e-03	1.49e-04	-11.20	0.0	0.97	6.53	0.03	7.07e-03	-0.01	-0.03
		-0.03	-0.01	0.0	0.0	55.7	0.97	-4.67	0.03	7.07e-03	2.20e-03	0.49
150	85	0.33	8.13e-04	1.23e-04	-4.76	0.0	0.69	2.62	0.04	5.74e-03	-0.02	-0.07
		-0.07	-0.02	0.0	0.0	55.7	0.69	-2.14	0.04	5.74e-03	8.13e-04	0.07
150	98	0.92	2.96e-03	1.09e-04	-9.27	0.0	0.85	5.50	0.02	6.76e-03	-7.68e-03	0.01
		0.01	-7.68e-03	0.0	0.0	55.7	0.85	-3.77	0.02	6.76e-03	2.96e-03	0.50
150	102	0.54	2.92e-03	7.40e-05	-4.76	0.0	0.68	2.92	0.02	5.95e-03	-6.06e-03	0.04
		0.04	-6.06e-03	0.0	0.0	55.7	0.68	-1.84	0.02	5.95e-03	2.92e-03	0.34
150	103	0.90	3.31e-03	9.69e-05	-8.62	0.0	0.82	5.17	0.02	6.68e-03	-5.82e-03	0.04
		0.04	-5.82e-03	0.0	0.0	55.7	0.82	-3.46	0.02	6.68e-03	3.31e-03	0.52
150	104	0.46	2.17e-03	9.03e-05	-4.76	0.0	0.69	2.83	0.02	5.88e-03	-9.86e-03	-6.50e-03

		-6.50e-03	-9.86e-03	0.0	0.0	55.7	0.69	-1.93	0.02	5.88e-03	2.17e-03	0.24
150	106	0.49	2.51e-03	8.21e-05	-4.76	0.0	0.69	2.88	0.02	5.91e-03	-7.97e-03	8.80e-03
		8.80e-03	-7.97e-03	0.0	0.0	55.7	0.69	-1.87	0.02	5.91e-03	2.51e-03	0.29
150	107	0.86	2.90e-03	1.05e-04	-8.62	0.0	0.83	5.13	0.02	6.64e-03	-7.73e-03	0.01
		0.01	-7.73e-03	0.0	0.0	55.7	0.83	-3.50	0.02	6.64e-03	2.90e-03	0.47
150	108	2.05	0.09	-2.14e-04	-8.62	0.0	0.29	7.94	-0.17	-0.03	0.09	2.38e-03
		2.38e-03	-0.01	2.30e-05	0.0	55.7	0.29	-0.68	-0.17	-0.03	-0.01	2.04
150	111	0.19	0.02	4.24e-04	-8.62	0.0	1.36	2.32	0.22	0.04	-0.10	0.02
		-1.11	-0.10	-2.34e-05	0.0	55.7	1.36	-6.31	0.22	0.04	0.02	-1.11
150	124	2.55	0.10	-3.12e-04	-8.62	0.0	0.45	8.84	-0.18	-0.02	0.10	0.03
		0.03	3.77e-03	-2.58e-05	0.0	55.7	0.45	0.21	-0.18	-0.02	3.77e-03	2.55
150	127	0.06	2.02e-03	5.22e-04	-8.62	0.0	1.20	1.42	0.22	0.03	-0.12	-3.02e-03
		-1.62	-0.12	2.54e-05	0.0	55.7	1.20	-7.20	0.22	0.03	2.02e-03	-1.62
150	132	2.63	0.05	-3.39e-04	-8.62	0.0	0.52	8.95	-0.08	0.02	0.05	0.04
		0.04	9.52e-03	3.65e-05	0.0	55.7	0.52	0.32	-0.08	0.02	9.52e-03	2.63
150	135	0.03	-3.72e-03	5.49e-04	-8.62	0.0	1.13	1.31	0.13	-2.57e-03	-0.06	-0.02
		-1.70	-0.06	-3.70e-05	0.0	55.7	1.13	-7.31	0.13	-2.57e-03	-3.72e-03	-1.70
150	140	2.24	0.10	-2.54e-04	-8.62	0.0	0.22	8.29	-0.20	-0.03	0.10	1.29e-03
		1.29e-03	-0.02	2.67e-05	0.0	55.7	0.22	-0.33	-0.20	-0.03	-0.02	2.24
150	143	0.14	0.02	4.64e-04	-8.62	0.0	1.43	1.96	0.24	0.05	-0.11	0.02
		-1.30	-0.11	-2.72e-05	0.0	55.7	1.43	-6.66	0.24	0.05	0.02	-1.30
150	156	2.81	0.11	-3.64e-04	-8.62	0.0	0.40	9.30	-0.20	-0.02	0.11	0.03
		0.03	3.84e-03	-2.85e-05	0.0	55.7	0.40	0.67	-0.20	-0.02	3.84e-03	2.81
150	159	0.02	1.95e-03	5.74e-04	-8.62	0.0	1.25	0.96	0.25	0.04	-0.13	-4.75e-03
		-1.87	-0.13	2.81e-05	0.0	55.7	1.25	-7.66	0.25	0.04	1.95e-03	-1.87
150	168	2.90	0.05	-3.96e-04	-8.62	0.0	0.54	9.43	-0.08	0.02	0.05	0.05
		0.05	0.01	3.54e-05	0.0	55.7	0.54	0.81	-0.08	0.02	0.01	2.90
150	171	-5.01e-03	-7.22e-03	6.07e-04	-8.62	0.0	1.11	0.83	0.13	-4.97e-03	-0.07	-0.02
		-1.97	-0.07	-3.59e-05	0.0	55.7	1.11	-7.80	0.13	-4.97e-03	-7.22e-03	-1.97
150	172	2.23	0.10	-2.50e-04	-8.62	0.0	0.25	8.27	-0.19	-0.03	0.10	2.26e-03
		2.26e-03	-0.01	4.96e-05	0.0	55.7	0.25	-0.35	-0.19	-0.03	-0.01	2.22
150	175	0.14	0.02	4.60e-04	-8.62	0.0	1.41	1.98	0.24	0.04	-0.11	0.02
		-1.29	-0.11	-5.00e-05	0.0	55.7	1.41	-6.64	0.24	0.04	0.02	-1.29
150	188	2.76	0.11	-3.55e-04	-8.62	0.0	0.42	9.22	-0.20	-0.02	0.11	0.03
		0.03	3.37e-03	-1.71e-05	0.0	55.7	0.42	0.60	-0.20	-0.02	3.37e-03	2.76
150	191	0.03	2.42e-03	5.65e-04	-8.62	0.0	1.23	1.04	0.24	0.04	-0.13	-4.37e-03
		-1.83	-0.13	1.67e-05	0.0	55.7	1.23	-7.59	0.24	0.04	2.42e-03	-1.83
150	200	2.90	0.05	-3.95e-04	-8.62	0.0	0.56	9.43	-0.08	0.02	0.05	0.05
		0.05	0.01	4.17e-05	0.0	55.7	0.56	0.80	-0.08	0.02	0.01	2.90
150	203	-4.51e-03	-7.35e-03	6.05e-04	-8.62	0.0	1.09	0.83	0.12	-5.29e-03	-0.07	-0.02
		-1.97	-0.07	-4.22e-05	0.0	55.7	1.09	-7.79	0.12	-5.29e-03	-7.35e-03	-1.97
150	204	2.52	0.11	-3.10e-04	-8.62	0.0	0.16	8.81	-0.23	-0.03	0.11	1.28e-03
		1.28e-03	-0.02	7.19e-05	0.0	55.7	0.16	0.19	-0.23	-0.03	-0.02	2.52
150	207	0.08	0.02	5.20e-04	-8.62	0.0	1.49	1.45	0.27	0.05	-0.13	0.02
		-1.59	-0.13	-7.24e-05	0.0	55.7	1.49	-7.18	0.27	0.05	0.02	-1.59
150	220	3.13	0.13	-4.29e-04	-8.62	0.0	0.36	9.88	-0.23	-0.03	0.13	0.03
		0.03	3.29e-03	-1.38e-05	0.0	55.7	0.36	1.26	-0.23	-0.03	3.29e-03	3.13
150	223	-3.47e-03	2.50e-03	6.39e-04	-8.62	0.0	1.29	0.38	0.28	0.04	-0.15	-6.89e-03
		-2.20	-0.15	1.34e-05	0.0	55.7	1.29	-8.25	0.28	0.04	2.50e-03	-2.20
150	232	3.32	0.06	-4.82e-04	-8.62	0.0	0.53	10.18	-0.09	0.02	0.06	0.05
		0.05	0.01	5.33e-05	0.0	55.7	0.53	1.55	-0.09	0.02	0.01	3.32
150	235	-0.03	-9.10e-03	6.93e-04	-8.62	0.0	1.12	0.08	0.14	-7.37e-03	-0.08	-0.03
		-2.39	-0.08	-5.37e-05	0.0	55.7	1.12	-8.54	0.14	-7.37e-03	-9.10e-03	-2.39
151	17	2.73	0.03	-2.29e-04	-26.54	0.0	-2.09	11.82	0.05	-0.03	-2.26e-04	1.27
		0.47	-2.26e-04	0.0	0.0	55.6	-2.09	-14.71	0.05	-0.03	0.03	0.47
151	19	0.74	0.02	-1.64e-04	-8.44	0.0	-1.19	4.29	0.03	-0.03	2.50e-03	0.13
		0.13	2.50e-03	0.0	0.0	55.6	-1.19	-4.14	0.03	-0.03	0.02	0.17
151	27	3.90	0.03	-1.49e-04	-32.36	0.0	-2.33	13.76	0.07	0.03	-8.15e-03	2.27
		0.93	-8.15e-03	1.25e-06	0.0	55.6	-2.33	-18.60	0.07	0.03	0.03	0.93
151	28	3.95	0.03	-1.51e-04	-32.36	0.0	-2.33	13.64	0.07	0.03	-8.40e-03	2.36
		0.94	-8.40e-03	1.48e-06	0.0	55.6	-2.33	-18.72	0.07	0.03	0.03	0.94
151	44	3.49	0.02	-1.16e-04	-26.54	0.0	-2.18	11.17	0.07	0.05	-9.97e-03	2.19
		1.02	-9.97e-03	1.12e-06	0.0	55.6	-2.18	-15.37	0.07	0.05	0.02	1.02
151	60	1.11	0.02	-1.10e-04	-8.44	0.0	-1.13	3.71	0.03	1.38e-03	-1.38e-03	0.66
		0.38	-1.38e-03	1.09e-06	0.0	55.6	-1.13	-4.72	0.03	1.38e-03	0.02	0.38
151	72	0.93	0.02	-1.47e-04	-9.30	0.0	-1.21	4.51	0.03	-0.02	1.20e-03	0.32
		0.24	1.20e-03	0.0	0.0	55.6	-1.21	-4.79	0.03	-0.02	0.02	0.24
151	74	1.90	0.02	-1.65e-04	-18.36	0.0	-1.53	8.23	0.04	-0.02	-1.75e-04	0.87
		0.35	-1.75e-04	0.0	0.0	55.6	-1.53	-10.12	0.04	-0.02	0.02	0.35
151	79	2.68	0.02	-1.10e-04	-22.24	0.0	-1.69	9.53	0.05	0.02	-5.46e-03	1.54
		0.66	-5.46e-03	0.0	0.0	55.6	-1.69	-12.71	0.05	0.02	0.02	0.66
151	80	2.71	0.02	-1.12e-04	-22.24	0.0	-1.68	9.44	0.05	0.02	-5.63e-03	1.60
		0.67	-5.63e-03	1.05e-06	0.0	55.6	-1.68	-12.79	0.05	0.02	0.02	0.67
151	88	2.41	0.02	-8.89e-05	-18.36	0.0	-1.59	7.80	0.05	0.04	-6.67e-03	1.49
		0.72	-6.67e-03	0.0	0.0	55.6	-1.59	-10.56	0.05	0.04	0.02	0.72

151	93	1.18	0.02	-1.11e-04	-9.30	0.0	-1.17	4.12	0.03	1.17e-03	-1.39e-03	0.67
		0.38	-1.39e-03	0.0	0.0	55.6	-1.17	-5.17	0.03	1.17e-03	0.02	0.38
151	98	2.09	0.02	-1.25e-04	-18.36	0.0	-1.49	8.01	0.04	-1.36e-03	-2.42e-03	1.12
		0.47	-2.42e-03	0.0	0.0	55.6	-1.49	-10.35	0.04	-1.36e-03	0.02	0.47
151	99	1.13	0.02	-1.08e-04	-9.30	0.0	-1.18	4.25	0.03	1.30e-03	-1.12e-03	0.59
		0.37	-1.12e-03	0.0	0.0	55.6	-1.18	-5.05	0.03	1.30e-03	0.02	0.37
151	102	1.07	0.02	-1.15e-04	-9.30	0.0	-1.18	4.33	0.03	-2.42e-03	-6.01e-04	0.52
		0.34	-6.01e-04	0.0	0.0	55.6	-1.18	-4.97	0.03	-2.42e-03	0.02	0.34
151	103	1.91	0.02	-1.31e-04	-17.06	0.0	-1.46	7.52	0.04	-4.73e-03	-1.78e-03	0.99
		0.43	-1.78e-03	0.0	0.0	55.6	-1.46	-9.54	0.04	-4.73e-03	0.02	0.43
151	105	2.01	0.02	-1.15e-04	-17.06	0.0	-1.47	7.45	0.04	6.60e-03	-3.04e-03	1.10
		0.50	-3.04e-03	0.0	0.0	55.6	-1.47	-9.61	0.04	6.60e-03	0.02	0.50
151	106	1.11	0.02	-1.07e-04	-9.30	0.0	-1.18	4.29	0.03	1.34e-03	-1.05e-03	0.56
		0.36	-1.05e-03	0.0	0.0	55.6	-1.18	-5.01	0.03	1.34e-03	0.02	0.36
151	107	1.95	0.02	-1.23e-04	-17.06	0.0	-1.45	7.48	0.04	-9.72e-04	-2.23e-03	1.04
		0.45	-2.23e-03	0.0	0.0	55.6	-1.45	-9.58	0.04	-9.72e-04	0.02	0.45
151	112	2.06	0.12	-3.01e-04	-17.06	0.0	-1.54	7.27	0.23	-0.03	-5.40e-03	1.17
		0.53	-5.40e-03	2.42e-04	0.0	55.6	-1.54	-9.79	0.23	-0.03	0.12	0.53
151	115	1.84	9.47e-04	5.61e-05	-17.06	0.0	-1.36	7.68	-0.15	0.03	9.47e-04	0.91
		0.37	-0.08	-2.40e-04	0.0	55.6	-1.36	-9.38	-0.15	0.03	-0.08	0.37
151	124	1.32	0.09	-5.25e-04	-17.06	0.0	-1.65	10.37	0.17	-0.03	-7.92e-04	-0.44
		-0.44	-7.92e-04	-2.53e-06	0.0	55.6	-1.65	-6.69	0.17	-0.03	0.09	0.60
151	127	2.85	-3.66e-03	2.80e-04	-17.06	0.0	-1.25	4.58	-0.10	0.03	-3.66e-03	2.51
		0.30	-0.05	4.32e-06	0.0	55.6	-1.25	-12.48	-0.10	0.03	-0.05	0.30
151	129	3.12	-7.22e-03	2.81e-04	-17.06	0.0	-1.28	3.91	-0.02	7.56e-03	-7.22e-03	2.87
		0.30	-0.02	1.45e-04	0.0	55.6	-1.28	-13.15	-0.02	7.56e-03	-0.02	0.30
151	130	1.19	0.06	-5.27e-04	-17.06	0.0	-1.62	11.04	0.10	-9.50e-03	2.77e-03	-0.80
		-0.80	2.77e-03	-1.43e-04	0.0	55.6	-1.62	-6.02	0.10	-9.50e-03	0.06	0.60
151	144	2.07	0.13	-3.24e-04	-17.06	0.0	-1.55	7.24	0.25	-0.04	-5.81e-03	1.19
		0.54	-5.81e-03	2.73e-04	0.0	55.6	-1.55	-9.82	0.25	-0.04	0.13	0.54
151	147	1.82	1.35e-03	7.84e-05	-17.06	0.0	-1.35	7.71	-0.17	0.03	1.35e-03	0.89
		0.36	-0.10	-2.71e-04	0.0	55.6	-1.35	-9.35	-0.17	0.03	-0.10	0.36
151	156	1.27	0.10	-5.75e-04	-17.06	0.0	-1.67	10.73	0.19	-0.03	-6.01e-04	-0.62
		-0.62	-6.01e-04	-3.48e-06	0.0	55.6	-1.67	-6.33	0.19	-0.03	0.10	0.62
151	159	2.98	-3.85e-03	3.30e-04	-17.06	0.0	-1.23	4.22	-0.11	0.03	-3.85e-03	2.70
		0.28	-0.06	5.31e-06	0.0	55.6	-1.23	-12.84	-0.11	0.03	-0.06	0.28
151	161	3.30	-7.88e-03	3.32e-04	-17.06	0.0	-1.26	3.46	-0.03	8.56e-03	-7.88e-03	3.10
		0.28	-0.02	1.64e-04	0.0	55.6	-1.26	-13.60	-0.03	8.56e-03	-0.02	0.28
151	162	1.12	0.06	-5.77e-04	-17.06	0.0	-1.64	11.49	0.11	-0.01	3.42e-03	-1.03
		-1.03	3.42e-03	-1.62e-04	0.0	55.6	-1.64	-5.57	0.11	-0.01	0.06	0.62
151	176	2.07	0.13	-3.19e-04	-17.06	0.0	-1.54	7.24	0.25	-0.04	-5.85e-03	1.19
		0.54	-5.85e-03	2.75e-04	0.0	55.6	-1.54	-9.82	0.25	-0.04	0.13	0.54
151	179	1.83	1.40e-03	7.33e-05	-17.06	0.0	-1.36	7.72	-0.18	0.03	1.40e-03	0.89
		0.37	-0.10	-2.74e-04	0.0	55.6	-1.36	-9.35	-0.18	0.03	-0.10	0.37
151	188	1.27	0.10	-5.69e-04	-17.06	0.0	-1.67	10.70	0.19	-0.03	-5.41e-04	-0.61
		-0.61	-5.41e-04	-6.23e-06	0.0	55.6	-1.67	-6.36	0.19	-0.03	0.10	0.62
151	191	2.97	-3.91e-03	3.24e-04	-17.06	0.0	-1.23	4.25	-0.11	0.03	-3.91e-03	2.68
		0.28	-0.06	8.07e-06	0.0	55.6	-1.23	-12.81	-0.11	0.03	-0.06	0.28
151	193	3.29	-8.03e-03	3.26e-04	-17.06	0.0	-1.26	3.49	-0.03	7.92e-03	-8.03e-03	3.09
		0.28	-0.02	1.71e-04	0.0	55.6	-1.26	-13.57	-0.03	7.92e-03	-0.02	0.28
151	194	1.13	0.06	-5.71e-04	-17.06	0.0	-1.64	11.46	0.10	-9.86e-03	3.58e-03	-1.01
		-1.01	3.58e-03	-1.69e-04	0.0	55.6	-1.64	-5.60	0.10	-9.86e-03	0.06	0.62
151	208	2.09	0.15	-3.50e-04	-17.06	0.0	-1.56	7.19	0.29	-0.04	-6.53e-03	1.22
		0.55	-6.53e-03	3.25e-04	0.0	55.6	-1.56	-9.88	0.29	-0.04	0.15	0.55
151	211	1.80	2.07e-03	1.04e-04	-17.06	0.0	-1.34	7.77	-0.21	0.04	2.07e-03	0.85
		0.35	-0.12	-3.24e-04	0.0	55.6	-1.34	-9.29	-0.21	0.04	-0.12	0.35
151	220	1.19	0.12	-6.42e-04	-17.06	0.0	-1.70	11.23	0.21	-0.03	-2.05e-04	-0.88
		-0.88	-2.05e-04	-1.00e-05	0.0	55.6	-1.70	-5.83	0.21	-0.03	0.12	0.65
151	223	3.17	-4.25e-03	3.97e-04	-17.06	0.0	-1.19	3.72	-0.14	0.03	-4.25e-03	2.96
		0.26	-0.08	1.19e-05	0.0	55.6	-1.19	-13.34	-0.14	0.03	-0.08	0.26
151	225	3.56	-9.19e-03	4.01e-04	-17.06	0.0	-1.23	2.81	-0.03	8.88e-03	-9.19e-03	3.44
		0.26	-0.03	2.07e-04	0.0	55.6	-1.23	-14.25	-0.03	8.88e-03	-0.03	0.26
151	226	1.04	0.06	-6.46e-04	-17.06	0.0	-1.67	12.14	0.11	-0.01	4.73e-03	-1.36
		-1.36	4.73e-03	-2.05e-04	0.0	55.6	-1.67	-4.92	0.11	-0.01	0.06	0.65
152	3	2.57	2.30e-03	-3.35e-04	-32.36	0.0	-2.72	22.69	-0.01	8.33e-04	2.30e-03	-1.85
		-1.85	-3.20e-03	1.28e-06	0.0	55.6	-2.72	-9.67	-0.01	8.33e-04	-3.20e-03	1.77
152	18	1.88	4.37e-03	-3.36e-04	-26.54	0.0	-2.50	19.41	-0.01	-2.73e-03	4.37e-03	-2.06
		-2.06	-1.75e-03	1.14e-06	0.0	55.6	-2.50	-7.12	-0.01	-2.73e-03	-1.75e-03	1.35
152	19	0.18	4.75e-03	-2.01e-04	-8.44	0.0	-1.38	7.23	-9.17e-03	-4.38e-03	4.75e-03	-1.54
		-1.54	1.29e-03	0.0	0.0	55.6	-1.38	-1.20	-9.17e-03	-4.38e-03	1.29e-03	0.13
152	28	3.19	-6.37e-03	-2.76e-04	-32.36	0.0	-2.66	22.52	3.81e-03	0.02	-6.37e-03	-1.17
		-1.17	-6.51e-03	1.49e-06	0.0	55.6	-2.66	-9.84	3.81e-03	0.02	-6.51e-03	2.36
152	44	2.82	-6.84e-03	-2.23e-04	-26.54	0.0	-2.42	18.73	0.01	0.03	-0.01	-0.85
		-0.85	-0.01	1.11e-06	0.0	55.6	-2.42	-7.80	0.01	0.03	-6.84e-03	2.19
152	60	0.70	-1.62e-04	-1.60e-04	-8.44	0.0	-1.17	7.32	-1.18e-03	6.16e-03	-1.62e-04	-1.07

		-1.07	-1.13e-03	1.09e-06	0.0	55.6	-1.17	-1.11	-1.18e-03	6.16e-03	-1.13e-03	0.66
152	67	1.73	1.53e-03	-2.39e-04	-22.24	0.0	-1.94	15.73	-7.99e-03	1.30e-03	1.53e-03	-1.36
		-1.36	-2.12e-03	0.0	0.0	55.6	-1.94	-6.50	-7.99e-03	1.30e-03	-2.12e-03	1.21
152	72	0.40	3.10e-03	-1.88e-04	-9.30	0.0	-1.36	7.68	-6.54e-03	-1.05e-03	3.10e-03	-1.36
		-1.36	4.66e-04	0.0	0.0	55.6	-1.36	-1.62	-6.54e-03	-1.05e-03	4.66e-04	0.32
152	75	1.28	2.91e-03	-2.40e-04	-18.36	0.0	-1.80	13.55	-9.50e-03	-1.08e-03	2.91e-03	-1.50
		-1.50	-1.15e-03	0.0	0.0	55.6	-1.80	-4.81	-9.50e-03	-1.08e-03	-1.15e-03	0.93
152	80	2.15	-4.25e-03	-2.00e-04	-22.24	0.0	-1.90	15.62	2.67e-03	0.01	-4.25e-03	-0.90
		-0.90	-4.33e-03	1.05e-06	0.0	55.6	-1.90	-6.62	2.67e-03	0.01	-4.33e-03	1.60
152	88	1.90	-4.55e-03	-1.65e-04	-18.36	0.0	-1.74	13.09	8.76e-03	0.02	-6.71e-03	-0.69
		-0.69	-6.71e-03	0.0	0.0	55.6	-1.74	-5.26	8.76e-03	0.02	-4.55e-03	1.49
152	93	0.75	-1.79e-04	-1.61e-04	-9.30	0.0	-1.23	7.74	-1.21e-03	5.98e-03	-1.79e-04	-1.04
		-1.04	-1.15e-03	0.0	0.0	55.6	-1.23	-1.56	-1.21e-03	5.98e-03	-1.15e-03	0.67
152	98	1.53	-3.53e-04	-1.97e-04	-18.36	0.0	-1.68	13.13	-3.30e-03	5.38e-03	-3.53e-04	-1.08
		-1.08	-2.27e-03	0.0	0.0	55.6	-1.68	-5.22	-3.30e-03	5.38e-03	-2.27e-03	1.12
152	99	0.68	-1.71e-04	-1.52e-04	-9.30	0.0	-1.24	7.49	-7.52e-04	5.68e-03	-1.71e-04	-0.99
		-0.99	-8.84e-04	0.0	0.0	55.6	-1.24	-1.81	-7.52e-04	5.68e-03	-8.84e-04	0.59
152	102	0.61	4.85e-04	-1.58e-04	-9.30	0.0	-1.26	7.48	-1.82e-03	4.27e-03	4.85e-04	-1.06
		-1.06	-5.62e-04	0.0	0.0	55.6	-1.26	-1.82	-1.82e-03	4.27e-03	-5.62e-04	0.52
152	103	1.35	3.27e-04	-1.98e-04	-17.06	0.0	-1.64	12.37	-4.10e-03	4.08e-03	3.27e-04	-1.14
		-1.14	-1.81e-03	0.0	0.0	55.6	-1.64	-4.69	-4.10e-03	4.08e-03	-1.81e-03	0.99
152	105	1.47	-1.60e-03	-1.82e-04	-17.06	0.0	-1.63	12.28	-4.52e-04	8.05e-03	-1.60e-03	-0.98
		-0.98	-2.49e-03	0.0	0.0	55.6	-1.63	-4.78	-4.52e-04	8.05e-03	-2.49e-03	1.10
152	106	0.67	-1.68e-04	-1.50e-04	-9.30	0.0	-1.24	7.43	-6.36e-04	5.60e-03	-1.68e-04	-0.98
		-0.98	-8.18e-04	0.0	0.0	55.6	-1.24	-1.87	-6.36e-04	5.60e-03	-8.18e-04	0.56
152	107	1.40	-3.27e-04	-1.90e-04	-17.06	0.0	-1.61	12.32	-2.92e-03	5.41e-03	-3.27e-04	-1.07
		-1.07	-2.06e-03	0.0	0.0	55.6	-1.61	-4.74	-2.92e-03	5.41e-03	-2.06e-03	1.04
152	121	2.69	-5.88e-03	-3.94e-05	-17.06	0.0	-1.58	11.79	-0.02	-0.01	-5.88e-03	0.72
		0.72	-0.02	2.29e-04	0.0	55.6	-1.58	-5.27	-0.02	-0.01	-0.02	2.10
152	122	0.17	0.01	-3.58e-04	-17.06	0.0	-1.65	12.84	0.01	0.02	5.22e-03	-2.85
		-2.85	5.22e-03	-2.27e-04	0.0	55.6	-1.65	-4.22	0.01	0.02	0.01	-0.02
152	124	-0.44	4.66e-04	-5.81e-04	-17.06	0.0	-1.94	16.39	-1.43e-03	-0.02	4.66e-04	-5.09
		-5.09	-1.21e-03	-1.42e-06	0.0	55.6	-1.94	-0.67	-1.43e-03	-0.02	-1.21e-03	-0.44
152	127	3.93	-1.12e-03	2.01e-04	-17.06	0.0	-1.29	8.24	-4.41e-03	0.03	-1.12e-03	2.96
		2.51	-2.92e-03	3.30e-06	0.0	55.6	-1.29	-8.82	-4.41e-03	0.03	-2.92e-03	2.51
152	129	4.11	-3.50e-03	2.02e-04	-17.06	0.0	-1.31	8.57	-9.86e-03	0.02	-3.50e-03	2.97
		2.87	-8.28e-03	1.44e-04	0.0	55.6	-1.31	-8.49	-9.86e-03	0.02	-8.28e-03	2.87
152	130	-0.79	4.15e-03	-5.82e-04	-17.06	0.0	-1.91	16.06	4.02e-03	-6.03e-03	2.84e-03	-5.11
		-5.11	2.84e-03	-1.42e-04	0.0	55.6	-1.91	-1.00	4.02e-03	-6.03e-03	4.15e-03	-0.80
152	153	2.86	-6.61e-03	-2.81e-05	-17.06	0.0	-1.57	11.72	-0.02	-0.01	-6.61e-03	0.95
		0.95	-0.02	2.59e-04	0.0	55.6	-1.57	-5.34	-0.02	-0.01	-0.02	2.24
152	154	0.02	0.01	-3.79e-04	-17.06	0.0	-1.66	12.91	0.01	0.02	5.95e-03	-3.08
		-3.08	5.95e-03	-2.57e-04	0.0	55.6	-1.66	-4.15	0.01	0.02	0.01	-0.16
152	156	-0.62	5.73e-04	-6.30e-04	-17.06	0.0	-1.98	16.90	-1.24e-03	-0.02	5.73e-04	-5.60
		-5.60	-1.09e-03	-2.29e-06	0.0	55.6	-1.98	-0.16	-1.24e-03	-0.02	-1.09e-03	-0.62
152	159	4.30	-1.23e-03	2.50e-04	-17.06	0.0	-1.24	7.74	-4.61e-03	0.03	-1.23e-03	3.46
		2.70	-3.04e-03	4.17e-06	0.0	55.6	-1.24	-9.32	-4.61e-03	0.03	-3.04e-03	2.70
152	161	4.48	-3.91e-03	2.51e-04	-17.06	0.0	-1.28	8.11	-0.01	0.02	-3.91e-03	3.48
		3.10	-9.10e-03	1.63e-04	0.0	55.6	-1.28	-8.96	-0.01	0.02	-9.10e-03	3.10
152	162	-1.03	4.97e-03	-6.31e-04	-17.06	0.0	-1.95	16.53	4.92e-03	-7.43e-03	3.26e-03	-5.61
		-5.61	3.26e-03	-1.61e-04	0.0	55.6	-1.95	-0.53	4.92e-03	-7.43e-03	4.97e-03	-1.03
152	185	2.85	-6.79e-03	-3.01e-05	-17.06	0.0	-1.57	11.68	-0.02	-0.01	-6.79e-03	0.91
		0.91	-0.02	2.70e-04	0.0	55.6	-1.57	-5.38	-0.02	-0.01	-0.02	2.24
152	186	0.02	0.01	-3.75e-04	-17.06	0.0	-1.66	12.95	0.01	0.02	6.14e-03	-3.04
		-3.04	6.14e-03	-2.68e-04	0.0	55.6	-1.66	-4.11	0.01	0.02	0.01	-0.16
152	188	-0.61	6.15e-04	-6.23e-04	-17.06	0.0	-1.98	16.82	-1.22e-03	-0.02	6.15e-04	-5.53
		-5.53	-9.93e-04	-5.15e-06	0.0	55.6	-1.98	-0.25	-1.22e-03	-0.02	-9.93e-04	-0.61
152	191	4.25	-1.27e-03	2.43e-04	-17.06	0.0	-1.25	7.82	-4.63e-03	0.03	-1.27e-03	3.40
		2.68	-3.14e-03	7.03e-06	0.0	55.6	-1.25	-9.24	-4.63e-03	0.03	-3.14e-03	2.68
152	193	4.44	-4.02e-03	2.45e-04	-17.06	0.0	-1.28	8.15	-0.01	0.02	-4.02e-03	3.42
		3.09	-9.36e-03	1.70e-04	0.0	55.6	-1.28	-8.91	-0.01	0.02	-9.36e-03	3.09
152	194	-1.01	5.23e-03	-6.25e-04	-17.06	0.0	-1.95	16.48	5.10e-03	-7.09e-03	3.37e-03	-5.55
		-5.55	3.37e-03	-1.68e-04	0.0	55.6	-1.95	-0.58	5.10e-03	-7.09e-03	5.23e-03	-1.01
152	217	3.12	-8.11e-03	2.59e-05	-17.06	0.0	-1.56	11.56	-0.02	-0.02	-8.11e-03	1.24
		1.24	-0.02	3.26e-04	0.0	55.6	-1.56	-5.50	-0.02	-0.02	-0.02	2.46
152	218	-0.22	0.02	-4.06e-04	-17.06	0.0	-1.67	13.07	0.02	0.03	7.45e-03	-3.37
		-3.37	7.45e-03	-3.25e-04	0.0	55.6	-1.67	-3.99	0.02	0.03	0.02	-0.39
152	220	-0.88	8.10e-04	-6.94e-04	-17.06	0.0	-2.04	17.54	-9.04e-04	-0.02	8.10e-04	-6.26
		-6.26	-7.32e-04	-8.83e-06	0.0	55.6	-2.04	0.48	-9.04e-04	-0.02	-7.32e-04	-0.88
152	223	4.80	-1.46e-03	3.14e-04	-17.06	0.0	-1.19	7.09	-4.94e-03	0.03	-1.46e-03	4.13
		2.96	-3.40e-03	1.07e-05	0.0	55.6	-1.19	-9.97	-4.94e-03	0.03	-3.40e-03	2.96
152	225	5.01	-4.76e-03	3.16e-04	-17.06	0.0	-1.23	7.47	-0.01	0.02	-4.76e-03	4.16
		3.44	-0.01	2.05e-04	0.0	55.6	-1.23	-9.59	-0.01	0.02	-0.01	3.44
152	226	-1.36	6.73e-03	-6.96e-04	-17.06	0.0	-2.00	17.17	6.67e-03	-8.89e-03	4.10e-03	-6.29
		-6.29	4.10e-03	-2.04e-04	0.0	55.6	-2.00	0.10	6.67e-03	-8.89e-03	6.73e-03	-1.36

153	3	-1.58	7.15e-03	-3.77e-04	-32.36	0.0	-2.05	26.75	-7.42e-03	0.01	7.15e-03	-7.72
		-7.72	2.35e-03	1.45e-06	0.0	55.6	-2.05	-5.61	-7.42e-03	0.01	2.35e-03	-1.85
153	4	-1.68	7.36e-03	-3.88e-04	-32.36	0.0	-2.01	27.21	-7.74e-03	0.01	7.36e-03	-8.03
		-8.03	2.35e-03	1.68e-06	0.0	55.6	-2.01	-5.15	-7.74e-03	0.01	2.35e-03	-1.90
153	18	-1.94	8.61e-03	-3.71e-04	-26.54	0.0	-1.93	23.08	-6.68e-03	0.01	8.61e-03	-7.52
		-7.52	4.26e-03	1.29e-06	0.0	55.6	-1.93	-3.46	-6.68e-03	0.01	4.26e-03	-2.06
153	43	-0.58	-2.98e-03	-2.57e-04	-26.54	0.0	-1.73	21.92	-8.64e-03	3.94e-03	-2.98e-03	-5.61
		-5.61	-8.83e-03	1.04e-06	0.0	55.6	-1.73	-4.61	-8.64e-03	3.94e-03	-8.83e-03	-0.80
153	47	-0.26	-3.98e-03	-1.92e-04	-22.02	0.0	-1.40	17.84	-7.13e-03	1.55e-03	-3.98e-03	-4.28
		-4.28	-8.81e-03	0.0	0.0	55.6	-1.40	-4.18	-7.13e-03	1.55e-03	-8.81e-03	-0.48
153	60	-1.07	3.21e-03	-1.77e-04	-8.44	0.0	-0.75	9.09	-4.42e-03	7.65e-03	3.21e-03	-3.77
		-3.77	1.35e-04	1.19e-06	0.0	55.6	-0.75	0.66	-4.42e-03	7.65e-03	1.35e-04	-1.07
153	67	-1.19	5.10e-03	-2.68e-04	-22.24	0.0	-1.46	18.55	-5.36e-03	9.77e-03	5.10e-03	-5.48
		-5.48	1.59e-03	1.04e-06	0.0	55.6	-1.46	-3.69	-5.36e-03	9.77e-03	1.59e-03	-1.36
153	68	-1.25	5.24e-03	-2.75e-04	-22.24	0.0	-1.43	18.85	-5.58e-03	0.01	5.24e-03	-5.69
		-5.69	1.60e-03	1.19e-06	0.0	55.6	-1.43	-3.38	-5.58e-03	0.01	1.60e-03	-1.39
153	75	-1.42	6.07e-03	-2.64e-04	-18.36	0.0	-1.38	16.10	-4.87e-03	0.01	6.07e-03	-5.34
		-5.34	2.87e-03	0.0	0.0	55.6	-1.38	-2.26	-4.87e-03	0.01	2.87e-03	-1.50
153	87	-0.52	-1.65e-03	-1.88e-04	-18.36	0.0	-1.25	15.33	-6.18e-03	3.47e-03	-1.65e-03	-4.07
		-4.07	-5.86e-03	0.0	0.0	55.6	-1.25	-3.03	-6.18e-03	3.47e-03	-5.86e-03	-0.65
153	93	-1.04	3.14e-03	-1.77e-04	-9.30	0.0	-0.81	9.50	-4.37e-03	7.54e-03	3.14e-03	-3.74
		-3.74	1.08e-04	1.09e-06	0.0	55.6	-0.81	0.20	-4.37e-03	7.54e-03	1.08e-04	-1.04
153	98	-0.97	3.34e-03	-2.22e-04	-18.36	0.0	-1.19	15.54	-5.14e-03	8.04e-03	3.34e-03	-4.62
		-4.62	-9.85e-05	1.10e-06	0.0	55.6	-1.19	-2.81	-5.14e-03	8.04e-03	-9.85e-05	-1.08
153	99	-0.99	2.91e-03	-1.65e-04	-9.30	0.0	-0.86	9.01	-4.03e-03	7.14e-03	2.91e-03	-3.41
		-3.41	1.03e-04	0.0	0.0	55.6	-0.86	-0.29	-4.03e-03	7.14e-03	1.03e-04	-0.99
153	103	-1.05	3.79e-03	-2.20e-04	-17.06	0.0	-1.19	14.64	-4.87e-03	8.33e-03	3.79e-03	-4.54
		-4.54	5.23e-04	0.0	0.0	55.6	-1.19	-2.42	-4.87e-03	8.33e-03	5.23e-04	-1.14
153	105	-0.88	2.27e-03	-2.06e-04	-17.06	0.0	-1.16	14.55	-5.18e-03	6.98e-03	2.27e-03	-4.33
		-4.33	-1.22e-03	0.0	0.0	55.6	-1.16	-2.51	-5.18e-03	6.98e-03	-1.22e-03	-0.98
153	106	-0.97	2.86e-03	-1.62e-04	-9.30	0.0	-0.87	8.89	-3.94e-03	7.03e-03	2.86e-03	-3.33
		-3.33	1.02e-04	0.0	0.0	55.6	-0.87	-0.41	-3.94e-03	7.03e-03	1.02e-04	-0.98
153	107	-0.97	3.27e-03	-2.13e-04	-17.06	0.0	-1.15	14.59	-4.97e-03	7.90e-03	3.27e-03	-4.43
		-4.43	-6.99e-05	1.05e-06	0.0	55.6	-1.15	-2.47	-4.97e-03	7.90e-03	-6.99e-05	-1.07
153	121	0.95	-4.02e-03	-6.63e-05	-17.06	0.0	-0.96	14.15	-2.87e-03	0.02	-4.02e-03	-1.91
		-1.91	-7.03e-03	2.29e-04	0.0	55.6	-0.96	-2.91	-2.87e-03	0.02	-7.03e-03	0.72
153	122	-2.83	0.01	-3.64e-04	-17.06	0.0	-1.34	15.04	-7.07e-03	-3.84e-03	0.01	-6.96
		-6.96	6.89e-03	-2.27e-04	0.0	55.6	-1.34	-2.02	-7.07e-03	-3.84e-03	6.89e-03	-2.85
153	125	3.07	-6.21e-04	1.01e-04	-17.06	0.0	-0.63	11.27	-9.15e-04	0.02	-6.21e-04	1.02
		1.02	-2.80e-03	1.33e-04	0.0	55.6	-0.63	-5.79	-9.15e-04	0.02	-2.80e-03	2.52
153	126	-4.65	7.17e-03	-5.28e-04	-17.06	0.0	-1.66	17.92	-9.02e-03	-5.76e-03	7.17e-03	-9.88
		-9.88	2.66e-03	-1.31e-04	0.0	55.6	-1.66	0.85	-9.02e-03	-5.76e-03	2.66e-03	-4.65
153	129	3.57	-7.44e-04	1.37e-04	-17.06	0.0	-0.65	11.25	-1.46e-03	0.02	-7.44e-04	1.61
		1.61	-3.45e-03	1.42e-04	0.0	55.6	-0.65	-5.81	-1.46e-03	0.02	-3.45e-03	2.97
153	130	-5.11	7.29e-03	-5.63e-04	-17.06	0.0	-1.64	17.94	-8.48e-03	-5.06e-03	7.29e-03	-10.48
		-10.48	3.31e-03	-1.40e-04	0.0	55.6	-1.64	0.88	-8.48e-03	-5.06e-03	3.31e-03	-5.11
153	153	1.20	-4.98e-03	-5.20e-05	-17.06	0.0	-0.93	14.09	-2.64e-03	0.02	-4.98e-03	-1.60
		-1.60	-7.94e-03	2.59e-04	0.0	55.6	-0.93	-2.97	-2.64e-03	0.02	-7.94e-03	0.95
153	154	-3.06	0.01	-3.82e-04	-17.06	0.0	-1.36	15.10	-7.29e-03	-5.29e-03	0.01	-7.27
		-7.27	7.80e-03	-2.57e-04	0.0	55.6	-1.36	-1.97	-7.29e-03	-5.29e-03	7.80e-03	-3.08
153	157	3.60	-1.12e-03	1.40e-04	-17.06	0.0	-0.57	10.85	-4.13e-04	0.02	-1.12e-03	1.70
		1.70	-3.15e-03	1.50e-04	0.0	55.6	-0.57	-6.21	-4.13e-04	0.02	-3.15e-03	2.97
153	158	-5.10	7.67e-03	-5.67e-04	-17.06	0.0	-1.72	18.33	-9.52e-03	-7.48e-03	7.67e-03	-10.56
		-10.56	3.02e-03	-1.48e-04	0.0	55.6	-1.72	1.27	-9.52e-03	-7.48e-03	3.02e-03	-5.10
153	161	4.17	-1.27e-03	1.80e-04	-17.06	0.0	-0.59	10.83	-1.03e-03	0.02	-1.27e-03	2.36
		2.36	-3.90e-03	1.61e-04	0.0	55.6	-0.59	-6.23	-1.03e-03	0.02	-3.90e-03	3.48
153	162	-5.61	7.82e-03	-6.07e-04	-17.06	0.0	-1.70	18.36	-8.91e-03	-6.70e-03	7.82e-03	-11.23
		-11.23	3.76e-03	-1.59e-04	0.0	55.6	-1.70	1.29	-8.91e-03	-6.70e-03	3.76e-03	-5.61
153	185	1.15	-5.22e-03	-5.46e-05	-17.06	0.0	-0.94	14.05	-2.89e-03	0.02	-5.22e-03	-1.68
		-1.68	-8.18e-03	2.70e-04	0.0	55.6	-0.94	-3.01	-2.89e-03	0.02	-8.18e-03	0.91
153	186	-3.02	0.01	-3.79e-04	-17.06	0.0	-1.36	15.13	-7.05e-03	-4.87e-03	0.01	-7.19
		-7.19	8.04e-03	-2.68e-04	0.0	55.6	-1.36	-1.93	-7.05e-03	-4.87e-03	8.04e-03	-3.04
153	189	3.55	-1.20e-03	1.36e-04	-17.06	0.0	-0.58	10.90	-5.03e-04	0.02	-1.20e-03	1.62
		1.62	-3.20e-03	1.54e-04	0.0	55.6	-0.58	-6.16	-5.03e-04	0.02	-3.20e-03	2.92
153	190	-5.06	7.74e-03	-5.63e-04	-17.06	0.0	-1.72	18.28	-9.43e-03	-7.33e-03	7.74e-03	-10.49
		-10.49	3.06e-03	-1.52e-04	0.0	55.6	-1.72	1.22	-9.43e-03	-7.33e-03	3.06e-03	-5.06
153	193	4.09	-1.42e-03	1.75e-04	-17.06	0.0	-0.60	10.87	-1.15e-03	0.02	-1.42e-03	2.26
		2.26	-4.01e-03	1.68e-04	0.0	55.6	-0.60	-6.19	-1.15e-03	0.02	-4.01e-03	3.42
153	194	-5.55	7.96e-03	-6.02e-04	-17.06	0.0	-1.70	18.31	-8.78e-03	-6.51e-03	7.96e-03	-11.13
		-11.13	3.87e-03	-1.66e-04	0.0	55.6	-1.70	1.25	-8.78e-03	-6.51e-03	3.87e-03	-5.55
153	217	1.51	-6.95e-03	-3.62e-05	-17.06	0.0	-0.90	13.95	-2.56e-03	0.02	-6.95e-03	-1.23
		-1.23	-9.83e-03	3.27e-04	0.0	55.6	-0.90	-3.11	-2.56e-03	0.02	-9.83e-03	1.24
153	218	-3.36	0.01	-4.07e-04	-17.06	0.0	-1.39	15.23	-7.38e-03	-7.19e-03	0.01	-7.64
		-7.64	9.69e-03	-3.25e-04	0.0	55.6	-1.39	-1.83	-7.38e-03	-7.19e-03	9.69e-03	-3.37
153	221	4.33	-2.04e-03	1.94e-04	-17.06	0.0	-0.48	10.29	2.52e-04	0.03	-2.04e-03	2.62

		2.62	-3.78e-03	1.85e-04	0.0	55.6	-0.48	-6.77	2.52e-04	0.03	-3.78e-03	3.58
153	222	-5.71	8.58e-03	-6.20e-04	-17.06	0.0	-1.81	18.89	-0.01	-9.94e-03	8.58e-03	-11.49
		-11.49	3.64e-03	-1.83e-04	0.0	55.6	-1.81	1.83	-0.01	-9.94e-03	3.64e-03	-5.71
153	225	4.97	-2.37e-03	2.39e-04	-17.06	0.0	-0.51	10.26	-5.15e-04	0.02	-2.37e-03	3.36
		3.36	-4.81e-03	2.04e-04	0.0	55.6	-0.51	-6.80	-5.15e-04	0.02	-4.81e-03	4.16
153	226	-6.29	8.91e-03	-6.66e-04	-17.06	0.0	-1.79	18.92	-9.42e-03	-9.06e-03	8.91e-03	-12.22
		-12.22	4.67e-03	-2.02e-04	0.0	55.6	-1.79	1.86	-9.42e-03	-9.06e-03	4.67e-03	-6.29
154	4	-7.99	2.19e-03	-1.47e-04	-28.88	0.0	-0.46	13.60	-3.63e-03	0.01	2.19e-03	-9.58
		-9.99	-6.30e-04	1.32e-06	0.0	49.6	-0.46	-15.28	-3.63e-03	0.01	-6.30e-04	-9.99
154	18	-7.55	3.04e-03	-1.45e-04	-23.68	0.0	-0.43	10.90	-3.05e-03	0.02	3.04e-03	-8.80
		-9.26	1.22e-04	0.0	0.0	49.6	-0.43	-12.78	-3.05e-03	0.02	1.22e-04	-9.26
154	41	-3.87	-3.45e-03	-5.85e-05	-11.56	0.0	-0.77	5.49	-0.01	-0.02	-3.45e-03	-4.52
		-4.66	-7.26e-03	1.13e-06	0.0	49.6	-0.77	-6.07	-0.01	-0.02	-7.26e-03	-4.66
154	43	-5.61	-3.39e-03	-8.90e-05	-23.68	0.0	-0.84	11.52	-0.01	-0.02	-3.39e-03	-7.00
		-7.16	-7.05e-03	1.57e-06	0.0	49.6	-0.84	-12.16	-0.01	-0.02	-7.05e-03	-7.16
154	45	-2.50	-3.64e-03	-3.38e-05	-7.53	0.0	-0.67	3.62	-9.98e-03	-0.02	-3.64e-03	-2.93
		-3.00	-6.78e-03	0.0	0.0	49.6	-0.67	-3.91	-9.98e-03	-0.02	-6.78e-03	-3.00
154	60	-4.04	6.13e-04	-6.67e-05	-7.53	0.0	-0.23	3.29	-4.10e-03	3.26e-03	6.13e-04	-4.40
		-4.64	-1.70e-03	1.11e-06	0.0	49.6	-0.23	-4.24	-4.10e-03	3.26e-03	-1.70e-03	-4.64
154	68	-5.68	1.53e-03	-1.04e-04	-19.85	0.0	-0.34	9.31	-2.99e-03	8.19e-03	1.53e-03	-6.76
		-7.06	-6.59e-04	0.0	0.0	49.6	-0.34	-10.54	-2.99e-03	8.19e-03	-6.59e-04	-7.06
154	75	-5.39	2.10e-03	-1.03e-04	-16.38	0.0	-0.32	7.51	-2.60e-03	0.01	2.10e-03	-6.24
		-6.58	-1.58e-04	0.0	0.0	49.6	-0.32	-8.88	-2.60e-03	0.01	-1.58e-04	-6.58
154	85	-2.93	-2.23e-03	-4.54e-05	-8.30	0.0	-0.55	3.90	-8.01e-03	-0.01	-2.23e-03	-3.38
		-3.51	-5.08e-03	0.0	0.0	49.6	-0.55	-4.40	-8.01e-03	-0.01	-5.08e-03	-3.51
154	87	-4.09	-2.19e-03	-6.56e-05	-16.38	0.0	-0.60	7.92	-7.75e-03	-0.01	-2.19e-03	-5.04
		-5.17	-4.94e-03	1.12e-06	0.0	49.6	-0.60	-8.47	-7.75e-03	-0.01	-4.94e-03	-5.17
154	93	-3.96	6.09e-04	-6.73e-05	-8.30	0.0	-0.25	3.68	-4.09e-03	3.21e-03	6.09e-04	-4.36
		-4.60	-1.69e-03	1.03e-06	0.0	49.6	-0.25	-4.62	-4.09e-03	3.21e-03	-1.69e-03	-4.60
154	98	-4.62	6.28e-04	-8.29e-05	-16.38	0.0	-0.33	7.71	-3.86e-03	3.30e-03	6.28e-04	-5.51
		-5.76	-1.57e-03	1.08e-06	0.0	49.6	-0.33	-8.68	-3.86e-03	3.30e-03	-1.57e-03	-5.76
154	99	-3.56	5.93e-04	-6.36e-05	-8.30	0.0	-0.28	3.69	-4.12e-03	3.06e-03	5.93e-04	-3.96
		-4.19	-1.71e-03	0.0	0.0	49.6	-0.28	-4.62	-4.12e-03	3.06e-03	-1.71e-03	-4.19
154	103	-4.56	9.16e-04	-8.36e-05	-15.23	0.0	-0.32	7.09	-3.65e-03	4.82e-03	9.16e-04	-5.37
		-5.63	-1.31e-03	0.0	0.0	49.6	-0.32	-8.14	-3.65e-03	4.82e-03	-1.31e-03	-5.63
154	104	-3.35	2.62e-05	-5.92e-05	-8.30	0.0	-0.33	3.73	-4.90e-03	-9.53e-05	2.62e-05	-3.77
		-3.98	-2.38e-03	0.0	0.0	49.6	-0.33	-4.57	-4.90e-03	-9.53e-05	-2.38e-03	-3.98
154	105	-4.35	5.96e-05	-7.66e-05	-15.23	0.0	-0.38	7.17	-4.68e-03	1.41e-04	5.96e-05	-5.18
		-5.40	-2.26e-03	1.04e-06	0.0	49.6	-0.38	-8.05	-4.68e-03	1.41e-04	-2.26e-03	-5.40
154	106	-3.46	5.89e-04	-6.27e-05	-8.30	0.0	-0.28	3.69	-4.12e-03	3.02e-03	5.89e-04	-3.86
		-4.09	-1.71e-03	0.0	0.0	49.6	-0.28	-4.61	-4.12e-03	3.02e-03	-1.71e-03	-4.09
154	107	-4.45	6.23e-04	-8.00e-05	-15.23	0.0	-0.32	7.13	-3.90e-03	3.26e-03	6.23e-04	-5.28
		-5.52	-1.59e-03	1.03e-06	0.0	49.6	-0.32	-8.10	-3.90e-03	3.26e-03	-1.59e-03	-5.52
154	116	-6.96	6.20e-03	-1.49e-04	-15.23	0.0	-0.24	6.87	-0.06	0.03	6.20e-03	-7.56
		-8.30	-0.03	2.06e-04	0.0	49.6	-0.24	-8.35	-0.06	0.03	-0.03	-8.30
154	119	-1.92	0.02	-2.36e-05	-15.23	0.0	-0.40	7.39	0.06	-0.02	-4.96e-03	-2.99
		-2.99	-4.96e-03	-2.04e-04	0.0	49.6	-0.40	-7.84	0.06	-0.02	0.02	-2.73
154	136	-10.12	3.58e-03	-2.32e-04	-15.23	0.0	-0.57	4.86	-0.04	0.02	3.58e-03	-10.47
		-11.94	-0.01	1.27e-04	0.0	49.6	-0.57	-10.37	-0.04	0.02	-0.01	-11.94
154	137	0.78	5.89e-04	5.47e-05	-15.23	0.0	0.01	9.63	-2.90e-03	-3.59e-03	5.89e-04	-0.66
		-0.66	-1.04e-03	8.34e-06	0.0	49.6	0.01	-5.60	-2.90e-03	-3.59e-03	-1.04e-03	0.23
154	138	-9.51	6.56e-04	-2.15e-04	-15.23	0.0	-0.66	4.63	-4.90e-03	0.01	6.56e-04	-9.90
		-11.26	-2.14e-03	-6.27e-06	0.0	49.6	-0.66	-10.60	-4.90e-03	0.01	-2.14e-03	-11.26
154	139	1.42	0.01	7.23e-05	-15.23	0.0	-0.07	9.40	0.03	-0.02	-2.33e-03	-0.09
		-0.09	-2.33e-03	-1.25e-04	0.0	49.6	-0.07	-5.83	0.03	-0.02	0.01	0.91
154	148	-7.26	6.94e-03	-1.57e-04	-15.23	0.0	-0.23	6.84	-0.07	0.03	6.94e-03	-7.85
		-8.65	-0.03	2.33e-04	0.0	49.6	-0.23	-8.39	-0.07	0.03	-0.03	-8.65
154	151	-1.60	0.03	-1.92e-05	-15.23	0.0	-0.41	7.42	0.06	-0.03	-5.69e-03	-2.71
		-2.71	-5.69e-03	-2.31e-04	0.0	49.6	-0.41	-7.81	0.06	-0.03	0.03	-2.39
154	168	-10.81	3.97e-03	-2.51e-04	-15.23	0.0	-0.61	4.58	-0.04	0.03	3.97e-03	-11.11
		-12.74	-0.02	1.44e-04	0.0	49.6	-0.61	-10.65	-0.04	0.03	-0.02	-12.74
154	169	1.44	5.86e-04	7.15e-05	-15.23	0.0	0.05	9.94	-2.77e-03	-4.46e-03	5.86e-04	-0.08
		-0.08	-9.66e-04	9.13e-06	0.0	49.6	0.05	-5.29	-2.77e-03	-4.46e-03	-9.66e-04	0.94
154	170	-10.13	6.59e-04	-2.32e-04	-15.23	0.0	-0.70	4.32	-5.04e-03	0.01	6.59e-04	-10.47
		-11.98	-2.21e-03	-7.06e-06	0.0	49.6	-0.70	-10.91	-5.04e-03	0.01	-2.21e-03	-11.98
154	171	2.16	0.01	9.14e-05	-15.23	0.0	-0.04	9.68	0.03	-0.02	-2.72e-03	0.56
		0.56	-2.72e-03	-1.42e-04	0.0	49.6	-0.04	-5.54	0.03	-0.02	0.01	1.71
154	180	-7.21	7.14e-03	-1.56e-04	-15.23	0.0	-0.23	6.84	-0.07	0.03	7.14e-03	-7.80
		-8.59	-0.03	2.44e-04	0.0	49.6	-0.23	-8.39	-0.07	0.03	-0.03	-8.59
154	183	-1.65	0.03	-1.97e-05	-15.23	0.0	-0.42	7.43	0.07	-0.03	-5.90e-03	-2.75
		-2.75	-5.90e-03	-2.42e-04	0.0	49.6	-0.42	-7.80	0.07	-0.03	0.03	-2.45
154	200	-10.73	4.08e-03	-2.49e-04	-15.23	0.0	-0.60	4.61	-0.04	0.03	4.08e-03	-11.04
		-12.64	-0.02	1.51e-04	0.0	49.6	-0.60	-10.62	-0.04	0.03	-0.02	-12.64
154	201	1.36	6.00e-04	6.95e-05	-15.23	0.0	0.05	9.90	-2.79e-03	-4.46e-03	6.00e-04	-0.15
		-0.15	-9.72e-04	9.00e-06	0.0	49.6	0.05	-5.33	-2.79e-03	-4.46e-03	-9.72e-04	0.86

154	202	-10.06	6.45e-04	-2.30e-04	-15.23	0.0	-0.69	4.37	-5.01e-03	0.01	6.45e-04	-10.41
		-11.90	-2.21e-03	-6.93e-06	0.0	49.6	-0.69	-10.86	-5.01e-03	0.01	-2.21e-03	-11.90
154	203	2.07	0.01	8.92e-05	-15.23	0.0	-0.05	9.65	0.03	-0.02	-2.83e-03	0.48
		0.48	-2.83e-03	-1.49e-04	0.0	49.6	-0.05	-5.58	0.03	-0.02	0.01	1.61
154	212	-7.68	8.48e-03	-1.69e-04	-15.23	0.0	-0.21	6.79	-0.09	0.04	8.48e-03	-8.24
		-9.11	-0.04	2.95e-04	0.0	49.6	-0.21	-8.44	-0.09	0.04	-0.04	-9.11
154	215	-1.17	0.03	-1.38e-05	-15.23	0.0	-0.44	7.47	0.08	-0.03	-7.24e-03	-2.32
		-2.32	-7.24e-03	-2.93e-04	0.0	49.6	-0.44	-7.76	0.08	-0.03	0.03	-1.93
154	232	-11.74	4.78e-03	-2.77e-04	-15.23	0.0	-0.64	4.20	-0.05	0.03	4.78e-03	-11.99
		-13.82	-0.02	1.83e-04	0.0	49.6	-0.64	-11.03	-0.05	0.03	-0.02	-13.82
154	233	2.33	6.21e-04	9.38e-05	-15.23	0.0	0.11	10.35	-2.77e-03	-5.69e-03	6.21e-04	0.68
		0.68	-9.27e-04	1.05e-05	0.0	49.6	0.11	-4.88	-2.77e-03	-5.69e-03	-9.27e-04	1.90
154	234	-10.95	6.25e-04	-2.54e-04	-15.23	0.0	-0.76	3.91	-5.04e-03	0.01	6.25e-04	-11.24
		-12.93	-2.25e-03	-8.40e-06	0.0	49.6	-0.76	-11.31	-5.04e-03	0.01	-2.25e-03	-12.93
154	235	3.17	0.02	1.17e-04	-15.23	0.0	-4.65e-03	10.06	0.04	-0.02	-3.54e-03	1.43
		1.43	-3.54e-03	-1.81e-04	0.0	49.6	-4.65e-03	-5.17	0.04	-0.02	0.02	2.78
155	4	-6.73	2.70e-03	-7.09e-05	-28.88	0.0	-0.09	10.66	6.06e-03	0.01	7.49e-04	-7.70
		-9.58	7.49e-04	1.22e-06	0.0	49.6	-0.09	-18.22	6.06e-03	0.01	2.70e-03	-9.58
155	14	-5.25	2.46e-03	-5.27e-05	-19.66	0.0	-0.03	6.90	5.54e-03	9.44e-03	6.79e-04	-5.85
		-7.30	6.79e-04	0.0	0.0	49.6	-0.03	-12.76	5.54e-03	9.44e-03	2.46e-03	-7.30
155	18	-6.30	3.76e-03	-7.04e-05	-23.68	0.0	-0.07	8.24	8.44e-03	0.01	1.06e-03	-7.01
		-8.80	1.06e-03	0.0	0.0	49.6	-0.07	-15.44	8.44e-03	0.01	3.76e-03	-8.80
155	41	-3.32	-2.06e-03	-2.31e-05	-11.56	0.0	-0.56	4.07	-8.42e-03	-0.02	-2.06e-03	-3.67
		-4.52	-4.36e-03	1.09e-06	0.0	49.6	-0.56	-7.49	-8.42e-03	-0.02	-4.36e-03	-4.52
155	45	-2.16	-2.10e-03	-1.23e-05	-7.53	0.0	-0.52	2.69	-8.97e-03	-0.02	-2.10e-03	-2.40
		-2.93	-4.59e-03	0.0	0.0	49.6	-0.52	-4.84	-8.97e-03	-0.02	-4.59e-03	-2.93
155	68	-4.77	1.89e-03	-5.00e-05	-19.85	0.0	-0.08	7.24	4.27e-03	7.10e-03	5.06e-04	-5.42
		-6.76	5.06e-04	0.0	0.0	49.6	-0.08	-12.61	4.27e-03	7.10e-03	1.89e-03	-6.76
155	71	-4.56	1.88e-03	-4.55e-05	-16.38	0.0	-0.07	5.65	4.29e-03	7.06e-03	4.84e-04	-5.04
		-6.30	4.84e-04	0.0	0.0	49.6	-0.07	-10.73	4.29e-03	7.06e-03	1.88e-03	-6.30
155	75	-4.49	2.60e-03	-4.99e-05	-16.38	0.0	-0.07	5.63	5.86e-03	1.00e-02	7.10e-04	-4.96
		-6.24	7.10e-04	0.0	0.0	49.6	-0.07	-10.76	5.86e-03	1.00e-02	2.60e-03	-6.24
155	85	-2.50	-1.37e-03	-1.81e-05	-8.30	0.0	-0.39	2.84	-5.38e-03	-0.01	-1.37e-03	-2.74
		-3.38	-2.82e-03	0.0	0.0	49.6	-0.39	-5.46	-5.38e-03	-0.01	-2.82e-03	-3.38
155	98	-3.89	7.62e-04	-3.92e-05	-16.38	0.0	-0.12	6.02	1.81e-03	2.46e-03	1.37e-04	-4.44
		-5.51	1.37e-04	1.01e-06	0.0	49.6	-0.12	-10.36	1.81e-03	2.46e-03	7.62e-04	-5.51
155	103	-3.82	1.12e-03	-3.96e-05	-15.23	0.0	-0.12	5.46	2.60e-03	3.92e-03	2.43e-04	-4.31
		-5.37	2.43e-04	0.0	0.0	49.6	-0.12	-9.77	2.60e-03	3.92e-03	1.12e-03	-5.37
155	104	-2.80	5.35e-06	-2.67e-05	-8.30	0.0	-0.19	2.60	3.41e-04	-7.62e-04	-2.10e-04	-3.00
		-3.77	-2.10e-04	0.0	0.0	49.6	-0.19	-5.70	3.41e-04	-7.62e-04	5.35e-06	-3.77
155	106	-2.87	7.11e-04	-2.91e-05	-8.30	0.0	-0.13	2.54	1.77e-03	2.22e-03	7.97e-05	-3.06
		-3.86	7.97e-05	0.0	0.0	49.6	-0.13	-5.76	1.77e-03	2.22e-03	7.11e-04	-3.86
155	107	-3.75	7.54e-04	-3.75e-05	-15.23	0.0	-0.13	5.52	1.80e-03	2.42e-03	1.28e-04	-4.24
		-5.28	1.28e-04	0.0	0.0	49.6	-0.13	-9.71	1.80e-03	2.42e-03	7.54e-04	-5.28
155	116	-5.50	8.83e-03	-8.10e-05	-15.23	0.0	-0.14	3.98	0.03	0.03	-7.40e-03	-5.76
		-7.56	-7.40e-03	2.04e-04	0.0	49.6	-0.14	-11.25	0.03	0.03	8.83e-03	-7.56
155	133	0.37	1.60e-03	5.75e-05	-15.23	0.0	0.12	9.09	-2.38e-03	-4.76e-03	1.60e-03	-1.20
		-1.20	2.47e-05	0.0	0.0	49.6	0.12	-6.14	-2.38e-03	-4.76e-03	2.47e-05	-0.10
155	134	-7.26	1.48e-03	-1.26e-04	-15.23	0.0	-0.37	1.96	5.99e-03	9.61e-03	-1.35e-03	-7.28
		-10.46	-1.35e-03	1.14e-06	0.0	49.6	-0.37	-13.27	5.99e-03	9.61e-03	1.48e-03	-10.46
155	136	-7.60	5.46e-03	-1.38e-04	-15.23	0.0	-0.34	1.95	0.02	0.02	-4.85e-03	-7.66
		-10.47	-4.85e-03	1.25e-04	0.0	49.6	-0.34	-13.28	0.02	0.02	5.46e-03	-10.47
155	139	0.52	5.11e-03	6.92e-05	-15.23	0.0	0.09	9.09	-0.02	-0.02	5.11e-03	-0.83
		-0.83	-3.95e-03	-1.23e-04	0.0	49.6	0.09	-6.14	-0.02	-0.02	-3.95e-03	-0.09
155	148	-5.72	9.89e-03	-8.68e-05	-15.23	0.0	-0.15	3.79	0.04	0.03	-8.39e-03	-5.95
		-7.85	-8.39e-03	2.32e-04	0.0	49.6	-0.15	-11.44	0.04	0.03	9.89e-03	-7.85
155	165	0.93	1.80e-03	6.90e-05	-15.23	0.0	0.15	9.53	-2.96e-03	-5.69e-03	1.80e-03	-0.82
		-0.82	-8.04e-05	0.0	0.0	49.6	0.15	-5.70	-2.96e-03	-5.69e-03	-8.04e-05	0.54
155	166	-7.66	1.59e-03	-1.38e-04	-15.23	0.0	-0.40	1.51	6.56e-03	0.01	-1.54e-03	-7.66
		-11.10	-1.54e-03	1.72e-06	0.0	49.6	-0.40	-13.72	6.56e-03	0.01	1.59e-03	-11.10
155	168	-8.05	6.08e-03	-1.51e-04	-15.23	0.0	-0.37	1.51	0.02	0.03	-5.50e-03	-8.08
		-11.11	-5.50e-03	1.41e-04	0.0	49.6	-0.37	-13.72	0.02	0.03	6.08e-03	-11.11
155	171	1.08	5.76e-03	8.22e-05	-15.23	0.0	0.12	9.54	-0.02	-0.02	5.76e-03	-0.40
		-0.40	-4.57e-03	-1.39e-04	0.0	49.6	0.12	-5.69	-0.02	-0.02	-4.57e-03	0.56
155	180	-5.69	0.01	-8.61e-05	-15.23	0.0	-0.15	3.83	0.04	0.03	-8.64e-03	-5.93
		-7.80	-8.64e-03	2.42e-04	0.0	49.6	-0.15	-11.40	0.04	0.03	0.01	-7.80
155	183	-1.71	8.89e-03	1.74e-05	-15.23	0.0	-0.10	7.22	-0.03	-0.03	8.89e-03	-2.56
		-2.75	-8.66e-03	-2.40e-04	0.0	49.6	-0.10	-8.01	-0.03	-0.03	-8.66e-03	-2.75
155	197	0.86	1.84e-03	6.79e-05	-15.23	0.0	0.14	9.47	-3.23e-03	-5.85e-03	1.84e-03	-0.86
		-0.86	-1.59e-04	-2.66e-06	0.0	49.6	0.14	-5.76	-3.23e-03	-5.85e-03	-1.59e-04	0.46
155	198	-7.61	1.67e-03	-1.37e-04	-15.23	0.0	-0.39	1.57	6.83e-03	0.01	-1.59e-03	-7.62
		-11.02	-1.59e-03	4.60e-06	0.0	49.6	-0.39	-13.65	6.83e-03	0.01	1.67e-03	-11.02
155	200	-8.00	6.25e-03	-1.50e-04	-15.23	0.0	-0.37	1.56	0.02	0.03	-5.64e-03	-8.03
		-11.04	-5.64e-03	1.49e-04	0.0	49.6	-0.37	-13.67	0.02	0.03	6.25e-03	-11.04
155	203	1.02	5.90e-03	8.08e-05	-15.23	0.0	0.12	9.48	-0.02	-0.02	5.90e-03	-0.45

		-0.45	-4.74e-03	-1.47e-04	0.0	49.6	0.12	-5.75	-0.02	-0.02	-4.74e-03	0.48
155	212	-6.01	0.01	-9.51e-05	-15.23	0.0	-0.16	3.54	0.05	0.04	-0.01	-6.22
		-8.24	-0.01	2.94e-04	0.0	49.6	-0.16	-11.69	0.05	0.04	0.01	-8.24
155	215	-1.35	0.01	2.63e-05	-15.23	0.0	-0.10	7.51	-0.04	-0.03	0.01	-2.27
		-2.32	-0.01	-2.92e-04	0.0	49.6	-0.10	-7.72	-0.04	-0.03	-0.01	-2.32
155	229	1.68	2.17e-03	8.47e-05	-15.23	0.0	0.19	10.12	-4.30e-03	-7.41e-03	2.17e-03	-0.31
		-0.31	-3.77e-04	-5.80e-06	0.0	49.6	0.19	-5.11	-4.30e-03	-7.41e-03	-3.77e-04	1.40
155	230	-8.18	1.89e-03	-1.53e-04	-15.23	0.0	-0.44	0.93	7.90e-03	0.01	-1.92e-03	-8.18
		-11.96	-1.92e-03	7.74e-06	0.0	49.6	-0.44	-14.30	7.90e-03	0.01	1.89e-03	-11.96
155	232	-8.65	7.36e-03	-1.69e-04	-15.23	0.0	-0.41	0.91	0.03	0.03	-6.76e-03	-8.66
		-11.99	-6.76e-03	1.80e-04	0.0	49.6	-0.41	-14.32	0.03	0.03	7.36e-03	-11.99
155	235	1.85	7.02e-03	9.99e-05	-15.23	0.0	0.16	10.14	-0.03	-0.02	7.02e-03	0.18
		0.18	-5.85e-03	-1.79e-04	0.0	49.6	0.16	-5.09	-0.03	-0.02	-5.85e-03	1.43
156	4	-3.93	1.22e-03	-3.12e-05	-28.88	0.0	0.55	7.91	4.74e-03	7.73e-03	-2.84e-04	-4.46
		-7.70	-2.84e-04	1.23e-06	0.0	49.6	0.55	-20.97	4.74e-03	7.73e-03	1.22e-03	-7.70
156	44	-3.06	2.94e-04	2.45e-05	-23.68	0.0	0.22	6.82	-0.02	-0.02	2.94e-03	-3.55
		-6.04	-2.86e-03	1.68e-06	0.0	49.6	0.22	-16.86	-0.02	-0.02	-2.86e-03	-6.04
156	45	-1.30	2.48e-03	1.30e-05	-7.53	0.0	-0.15	1.76	-0.01	-0.02	2.48e-03	-1.40
		-2.40	-3.04e-03	0.0	0.0	49.6	-0.15	-5.77	-0.01	-0.02	-3.04e-03	-2.40
156	52	-3.75	1.09e-03	-2.68e-05	-28.88	0.0	0.59	8.21	-9.43e-04	2.30e-03	1.09e-03	-4.32
		-7.41	3.85e-04	1.79e-06	0.0	49.6	0.59	-20.67	-9.43e-04	2.30e-03	3.85e-04	-7.41
156	68	-2.79	8.29e-04	-2.17e-05	-19.85	0.0	0.37	5.32	3.12e-03	5.33e-03	-1.30e-04	-3.14
		-5.42	-1.30e-04	0.0	0.0	49.6	0.37	-14.53	3.12e-03	5.33e-03	8.29e-04	-5.42
156	85	-1.49	1.84e-03	8.26e-06	-8.30	0.0	-0.03	1.83	-0.01	-0.01	1.84e-03	-1.58
		-2.74	-1.96e-03	0.0	0.0	49.6	-0.03	-6.47	-0.01	-0.01	-1.96e-03	-2.74
156	88	-2.21	2.02e-03	1.57e-05	-16.38	0.0	0.15	4.59	-0.01	-0.01	2.02e-03	-2.53
		-4.31	-1.89e-03	1.19e-06	0.0	49.6	0.15	-11.79	-0.01	-0.01	-1.89e-03	-4.31
156	92	-2.67	7.86e-04	-1.87e-05	-19.85	0.0	0.40	5.52	-6.74e-04	1.70e-03	7.86e-04	-3.04
		-5.23	2.75e-04	1.26e-06	0.0	49.6	0.40	-14.33	-6.74e-04	1.70e-03	2.75e-04	-5.23
156	98	-2.28	6.99e-04	-1.66e-05	-16.38	0.0	0.30	4.44	-5.86e-04	1.60e-03	6.99e-04	-2.58
		-4.44	2.42e-04	1.01e-06	0.0	49.6	0.30	-11.94	-5.86e-04	1.60e-03	2.42e-04	-4.44
156	104	-1.64	8.00e-04	-8.89e-06	-8.30	0.0	0.12	1.56	-2.35e-03	-9.97e-04	8.00e-04	-1.71
		-3.00	-2.51e-04	0.0	0.0	49.6	0.12	-6.74	-2.35e-03	-9.97e-04	-2.51e-04	-3.00
156	105	-2.16	9.37e-04	-1.47e-05	-15.23	0.0	0.24	4.09	-2.49e-03	-8.42e-04	9.37e-04	-2.43
		-4.18	-1.94e-04	0.0	0.0	49.6	0.24	-11.14	-2.49e-03	-8.42e-04	-1.94e-04	-4.18
156	106	-1.68	5.39e-04	-9.90e-06	-8.30	0.0	0.16	1.49	-4.31e-04	1.42e-03	5.39e-04	-1.74
		-3.06	1.76e-04	0.0	0.0	49.6	0.16	-6.81	-4.31e-04	1.42e-03	1.76e-04	-3.06
156	107	-2.20	6.76e-04	-1.56e-05	-15.23	0.0	0.28	4.02	-5.64e-04	1.58e-03	6.76e-04	-2.46
		-4.24	2.33e-04	0.0	0.0	49.6	0.28	-11.21	-5.64e-04	1.58e-03	2.33e-04	-4.24
156	116	-3.08	-3.48e-03	-3.51e-05	-15.23	0.0	0.28	2.39	0.05	0.03	-0.03	-3.17
		-5.76	-0.03	2.04e-04	0.0	49.6	0.28	-12.84	0.05	0.03	-3.48e-03	-5.76
156	119	-1.23	0.03	3.68e-05	-15.23	0.0	0.28	5.65	-0.05	-0.02	0.03	-1.75
		-2.72	3.95e-03	-2.02e-04	0.0	49.6	0.28	-9.58	-0.05	-0.02	3.95e-03	-2.72
156	133	-0.18	7.49e-03	7.14e-05	-15.23	0.0	0.68	7.71	-0.01	-4.45e-03	7.49e-03	-1.05
		-1.20	7.36e-04	1.88e-06	0.0	49.6	0.68	-7.52	-0.01	-4.45e-03	7.36e-04	-1.20
156	134	-3.86	-2.70e-04	-6.56e-05	-15.23	0.0	-0.12	0.33	0.01	7.61e-03	-6.14e-03	-3.87
		-7.28	-6.14e-03	0.0	0.0	49.6	-0.12	-14.90	0.01	7.61e-03	-2.70e-04	-7.28
156	136	-4.04	-1.96e-03	-7.38e-05	-15.23	0.0	-0.07	0.33	0.03	0.02	-0.02	-4.04
		-7.66	-0.02	1.23e-04	0.0	49.6	-0.07	-14.90	0.03	0.02	-1.96e-03	-7.66
156	139	0.09	0.02	7.96e-05	-15.23	0.0	0.63	7.72	-0.03	-0.02	0.02	-0.88
		-0.88	2.42e-03	-1.21e-04	0.0	49.6	0.63	-7.51	-0.03	-0.02	2.42e-03	-0.83
156	148	-3.18	-3.96e-03	-3.82e-05	-15.23	0.0	0.28	2.18	0.05	0.03	-0.03	-3.26
		-5.95	-0.03	2.31e-04	0.0	49.6	0.28	-13.04	0.05	0.03	-3.96e-03	-5.95
156	151	-1.10	0.03	4.11e-05	-15.23	0.0	0.28	5.86	-0.05	-0.03	0.03	-1.66
		-2.53	4.43e-03	-2.29e-04	0.0	49.6	0.28	-9.37	-0.05	-0.03	4.43e-03	-2.53
156	165	0.09	8.37e-03	8.00e-05	-15.23	0.0	0.73	8.17	-0.02	-5.24e-03	8.37e-03	-0.88
		-0.88	8.01e-04	1.43e-06	0.0	49.6	0.73	-7.06	-0.02	-5.24e-03	8.01e-04	-0.82
156	166	-4.04	-3.35e-04	-7.42e-05	-15.23	0.0	-0.17	-0.13	0.01	8.39e-03	-7.02e-03	-4.04
		-7.66	-7.02e-03	0.0	0.0	49.6	-0.17	-15.36	0.01	8.39e-03	-3.35e-04	-7.66
156	168	-4.24	-2.24e-03	-8.35e-05	-15.23	0.0	-0.11	-0.14	0.04	0.02	-0.02	-4.24
		-8.08	-0.02	1.39e-04	0.0	49.6	-0.11	-15.37	0.04	0.02	-2.24e-03	-8.08
156	171	0.41	0.02	8.92e-05	-15.23	0.0	0.67	8.18	-0.04	-0.02	0.02	-0.68
		-0.68	2.70e-03	-1.37e-04	0.0	49.6	0.67	-7.05	-0.04	-0.02	2.70e-03	-0.40
156	180	-3.17	-4.02e-03	-3.79e-05	-15.23	0.0	0.28	2.22	0.05	0.03	-0.03	-3.25
		-5.93	-0.03	2.42e-04	0.0	49.6	0.28	-13.01	0.05	0.03	-4.02e-03	-5.93
156	183	-1.12	0.03	4.06e-05	-15.23	0.0	0.28	5.83	-0.05	-0.03	0.03	-1.67
		-2.56	4.49e-03	-2.40e-04	0.0	49.6	0.28	-9.40	-0.05	-0.03	4.49e-03	-2.56
156	197	0.06	8.42e-03	7.91e-05	-15.23	0.0	0.73	8.11	-0.02	-5.41e-03	8.42e-03	-0.90
		-0.90	7.93e-04	-1.53e-06	0.0	49.6	0.73	-7.12	-0.02	-5.41e-03	7.93e-04	-0.86
156	198	-4.02	-3.27e-04	-7.33e-05	-15.23	0.0	-0.16	-0.07	0.01	8.57e-03	-7.07e-03	-4.02
		-7.62	-7.07e-03	3.47e-06	0.0	49.6	-0.16	-15.30	0.01	8.57e-03	-3.27e-04	-7.62
156	200	-4.22	-2.25e-03	-8.25e-05	-15.23	0.0	-0.11	-0.08	0.04	0.02	-0.02	-4.22
		-8.03	-0.02	1.47e-04	0.0	49.6	-0.11	-15.31	0.04	0.02	-2.25e-03	-8.03
156	203	0.37	0.02	8.83e-05	-15.23	0.0	0.67	8.12	-0.04	-0.02	0.02	-0.70
		-0.70	2.72e-03	-1.45e-04	0.0	49.6	0.67	-7.11	-0.04	-0.02	2.72e-03	-0.45

156	212	-3.32	-4.85e-03	-4.30e-05	-15.23	0.0	0.28	1.91	0.06	0.04	-0.04	-3.38
		-6.22	-0.04	2.94e-04	0.0	49.6	0.28	-13.32	0.06	0.04	-4.85e-03	-6.22
156	215	-0.92	0.04	4.72e-05	-15.23	0.0	0.28	6.14	-0.07	-0.03	0.04	-1.53
		-2.27	5.31e-03	-2.92e-04	0.0	49.6	0.28	-9.09	-0.07	-0.03	5.31e-03	-2.27
156	229	0.48	9.81e-03	9.17e-05	-15.23	0.0	0.80	8.78	-0.02	-6.77e-03	9.81e-03	-0.64
		-0.64	8.95e-04	-4.51e-06	0.0	49.6	0.80	-6.45	-0.02	-6.77e-03	8.95e-04	-0.31
156	230	-4.28	-4.29e-04	-8.59e-05	-15.23	0.0	-0.24	-0.74	0.02	9.92e-03	-8.45e-03	-4.28
		-8.18	-8.45e-03	6.45e-06	0.0	49.6	-0.24	-15.97	0.02	9.92e-03	-4.29e-04	-8.18
156	232	-4.51	-2.72e-03	-9.66e-05	-15.23	0.0	-0.17	-0.76	0.04	0.03	-0.02	-4.51
		-8.66	-0.02	1.79e-04	0.0	49.6	-0.17	-15.99	0.04	0.03	-2.72e-03	-8.66
156	235	0.85	0.03	1.02e-04	-15.23	0.0	0.73	8.80	-0.05	-0.02	0.03	-0.41
		-0.41	3.19e-03	-1.77e-04	0.0	49.6	0.73	-6.43	-0.05	-0.02	3.19e-03	0.18
157	4	0.25	5.99e-05	4.35e-05	-28.88	0.0	1.09	5.44	1.32e-03	3.22e-03	-5.33e-05	-1.17e-06
		-4.46	-5.33e-05	1.30e-06	0.0	49.6	1.09	-23.44	1.32e-03	3.22e-03	5.99e-05	-4.46
157	19	0.0	-1.73e-04	-1.08e-05	-7.53	0.0	-0.31	-0.02	-8.47e-04	4.41e-03	-1.73e-04	0.0
		-1.88	-1.30e-03	0.0	0.0	49.6	-0.31	-7.55	-8.47e-04	4.41e-03	-1.30e-03	-1.88
157	27	0.34	1.84e-03	5.83e-05	-28.88	0.0	1.78	6.34	1.49e-03	-3.91e-03	4.77e-04	0.0
		-4.02	4.77e-04	1.33e-06	0.0	49.6	1.78	-22.54	1.49e-03	-3.91e-03	1.84e-03	-4.02
157	44	0.23	2.22e-03	5.72e-05	-23.68	0.0	1.90	4.69	5.67e-04	-7.15e-03	7.67e-04	0.0
		-3.55	7.67e-04	1.23e-06	0.0	49.6	1.90	-18.99	5.67e-04	-7.15e-03	2.22e-03	-3.55
157	68	0.16	1.06e-04	2.97e-05	-19.85	0.0	0.77	3.60	1.01e-03	2.21e-03	-2.35e-05	0.0
		-3.14	-2.35e-05	0.0	0.0	49.6	0.77	-16.25	1.01e-03	2.21e-03	1.06e-04	-3.14
157	72	1.80e-03	-8.40e-05	-8.68e-06	-8.30	0.0	-1.71e-03	0.32	-1.32e-04	3.12e-03	-8.40e-05	0.0
		-1.90	-6.56e-04	0.0	0.0	49.6	-1.71e-03	-7.98	-1.32e-04	3.12e-03	-6.56e-04	-1.90
157	79	0.22	1.29e-03	3.96e-05	-19.85	0.0	1.23	4.20	1.13e-03	-2.55e-03	3.30e-04	0.0
		-2.84	3.30e-04	0.0	0.0	49.6	1.23	-15.65	1.13e-03	-2.55e-03	1.29e-03	-2.84
157	88	0.15	1.54e-03	3.89e-05	-16.38	0.0	1.31	3.10	5.10e-04	-4.71e-03	5.24e-04	0.0
		-2.53	5.24e-04	0.0	0.0	49.6	1.31	-13.29	5.10e-04	-4.71e-03	1.54e-03	-2.53
157	98	0.14	7.68e-04	2.76e-05	-16.38	0.0	0.87	2.99	1.62e-03	5.94e-04	7.68e-05	0.0
		-2.58	7.68e-05	0.0	0.0	49.6	0.87	-13.39	1.62e-03	5.94e-04	7.68e-04	-2.58
157	102	9.68e-03	3.48e-04	1.09e-05	-8.30	0.0	0.42	0.57	9.40e-04	1.03e-03	5.78e-05	0.0
		-1.78	5.78e-05	0.0	0.0	49.6	0.42	-7.73	9.40e-04	1.03e-03	3.48e-04	-1.78
157	103	0.11	4.93e-04	2.35e-05	-15.23	0.0	0.71	2.59	1.30e-03	1.10e-03	4.37e-05	0.0
		-2.49	4.37e-05	0.0	0.0	49.6	0.71	-12.64	1.30e-03	1.10e-03	4.93e-04	-2.49
157	105	0.12	8.95e-04	2.74e-05	-15.23	0.0	0.89	2.72	1.34e-03	-4.80e-04	1.66e-04	0.0
		-2.43	1.66e-04	0.0	0.0	49.6	0.89	-12.51	1.34e-03	-4.80e-04	8.95e-04	-2.43
157	106	0.01	5.99e-04	1.29e-05	-8.30	0.0	0.53	0.64	1.21e-03	5.02e-04	9.33e-05	0.0
		-1.74	9.33e-05	0.0	0.0	49.6	0.53	-7.67	1.21e-03	5.02e-04	5.99e-04	-1.74
157	107	0.11	7.44e-04	2.55e-05	-15.23	0.0	0.82	2.66	1.56e-03	5.81e-04	7.91e-05	0.0
		-2.46	7.91e-05	0.0	0.0	49.6	0.82	-12.57	1.56e-03	5.81e-04	7.44e-04	-2.46
157	121	0.14	-0.01	3.10e-05	-15.23	0.0	1.25	2.95	0.06	0.02	-0.04	0.0
		-2.31	-0.04	2.04e-04	0.0	49.6	1.25	-12.28	0.06	0.02	-0.01	-2.31
157	122	0.09	0.04	2.00e-05	-15.23	0.0	0.39	2.36	-0.06	-0.02	0.04	0.0
		-2.61	0.01	-2.02e-04	0.0	49.6	0.39	-12.87	-0.06	-0.02	0.01	-2.61
157	133	0.49	7.42e-03	9.32e-05	-15.23	0.0	1.65	5.49	0.06	-3.01e-03	-0.03	0.0
		-1.05	-0.03	3.34e-06	0.0	49.6	1.65	-9.74	0.06	-3.01e-03	7.42e-03	-1.05
157	134	-1.77e-06	0.03	-4.53e-05	-15.23	0.0	-0.01	-0.18	-0.05	4.17e-03	0.03	-1.77e-06
		-3.87	-5.93e-03	-1.54e-06	0.0	49.6	-0.01	-15.41	-0.05	4.17e-03	-5.93e-03	-3.87
157	136	-1.92e-06	3.74e-03	-4.80e-05	-15.23	0.0	0.11	-0.54	-0.03	0.01	3.74e-03	-1.92e-06
		-4.04	-0.02	1.21e-04	0.0	49.6	0.11	-15.76	-0.03	0.01	-0.02	-4.04
157	139	0.56	0.02	9.67e-05	-15.23	0.0	1.52	5.85	0.03	-0.01	-3.58e-03	0.0
		-0.88	-3.58e-03	-1.19e-04	0.0	49.6	1.52	-9.38	0.03	-0.01	0.02	-0.88
157	153	0.15	-0.01	3.17e-05	-15.23	0.0	1.30	2.99	0.07	0.02	-0.05	0.0
		-2.29	-0.05	2.31e-04	0.0	49.6	1.30	-12.24	0.07	0.02	-0.01	-2.29
157	154	0.09	0.05	1.93e-05	-15.23	0.0	0.33	2.32	-0.06	-0.02	0.05	0.0
		-2.62	0.02	-2.29e-04	0.0	49.6	0.33	-12.90	-0.06	-0.02	0.02	-2.62
157	165	0.56	8.27e-03	1.02e-04	-15.23	0.0	1.75	5.84	0.06	-3.48e-03	-0.03	0.0
		-0.88	-0.03	3.06e-06	0.0	49.6	1.75	-9.38	0.06	-3.48e-03	8.27e-03	-0.88
157	166	-1.92e-06	0.03	-5.21e-05	-15.23	0.0	-0.12	-0.53	-0.06	4.65e-03	0.03	-1.92e-06
		-4.04	-6.79e-03	-1.26e-06	0.0	49.6	-0.12	-15.76	-0.06	4.65e-03	-6.79e-03	-4.04
157	168	-2.08e-06	4.15e-03	-5.55e-05	-15.23	0.0	0.03	-0.93	-0.03	0.02	4.15e-03	-2.08e-06
		-4.24	-0.02	1.37e-04	0.0	49.6	0.03	-16.16	-0.03	0.02	-0.02	-4.24
157	171	0.63	0.02	1.06e-04	-15.23	0.0	1.61	6.25	0.03	-0.02	-3.99e-03	0.0
		-0.68	-3.99e-03	-1.36e-04	0.0	49.6	1.61	-8.98	0.03	-0.02	0.02	-0.68
157	185	0.14	-0.02	3.18e-05	-15.23	0.0	1.29	2.98	0.07	0.02	-0.05	0.0
		-2.30	-0.05	2.42e-04	0.0	49.6	1.29	-12.25	0.07	0.02	-0.02	-2.30
157	186	0.09	0.05	1.92e-05	-15.23	0.0	0.35	2.33	-0.07	-0.02	0.05	0.0
		-2.62	0.02	-2.40e-04	0.0	49.6	0.35	-12.90	-0.07	-0.02	0.02	-2.62
157	197	0.55	8.24e-03	1.01e-04	-15.23	0.0	1.74	5.81	0.06	-3.63e-03	-0.03	0.0
		-0.90	-0.03	0.0	0.0	49.6	1.74	-9.42	0.06	-3.63e-03	8.24e-03	-0.90
157	198	-1.91e-06	0.03	-5.12e-05	-15.23	0.0	-0.10	-0.49	-0.06	4.79e-03	0.03	-1.91e-06
		-4.02	-6.75e-03	1.83e-06	0.0	49.6	-0.10	-15.72	-0.06	4.79e-03	-6.75e-03	-4.02
157	200	-2.07e-06	3.75e-03	-5.45e-05	-15.23	0.0	0.03	-0.89	-0.03	0.02	3.75e-03	-2.07e-06
		-4.22	-0.02	1.45e-04	0.0	49.6	0.03	-16.12	-0.03	0.02	-0.02	-4.22
157	203	0.62	0.02	1.04e-04	-15.23	0.0	1.60	6.20	0.03	-0.02	-3.59e-03	0.0

		-0.70	-3.59e-03	-1.44e-04	0.0	49.6	1.60	-9.03	0.03	-0.02	0.02	-0.70
157	217	0.15	-0.02	3.25e-05	-15.23	0.0	1.37	3.02	0.08	0.02	-0.06	0.0
		-2.28	-0.06	2.94e-04	0.0	49.6	1.37	-12.21	0.08	0.02	-0.02	-2.28
157	218	0.08	0.06	1.84e-05	-15.23	0.0	0.27	2.30	-0.08	-0.02	0.06	0.0
		-2.64	0.02	-2.92e-04	0.0	49.6	0.27	-12.93	-0.08	-0.02	0.02	-2.64
157	229	0.65	9.54e-03	1.13e-04	-15.23	0.0	1.88	6.33	0.07	-4.49e-03	-0.04	0.0
		-0.64	-0.04	-2.82e-06	0.0	49.6	1.88	-8.90	0.07	-4.49e-03	9.54e-03	-0.64
157	230	-2.12e-06	0.04	-6.21e-05	-15.23	0.0	-0.25	-1.01	-0.07	5.66e-03	0.04	-2.12e-06
		-4.28	-8.05e-03	4.61e-06	0.0	49.6	-0.25	-16.24	-0.07	5.66e-03	-8.05e-03	-4.28
157	232	-2.31e-06	3.98e-03	-6.65e-05	-15.23	0.0	-0.09	-1.48	-0.03	0.02	3.98e-03	-2.31e-06
		-4.51	-0.02	1.77e-04	0.0	49.6	-0.09	-16.70	-0.03	0.02	-0.02	-4.51
157	235	0.75	0.02	1.17e-04	-15.23	0.0	1.73	6.79	0.04	-0.02	-3.82e-03	1.10e-06
		-0.41	-3.82e-03	-1.75e-04	0.0	49.6	1.73	-8.44	0.04	-0.02	0.02	-0.41
158	4	1.96	0.04	-1.60e-04	-16.25	0.0	-1.47	5.44	0.07	0.04	-1.49e-03	1.45
		-0.04	-1.49e-03	0.0	0.0	55.6	-1.47	-10.82	0.07	0.04	0.04	-0.04
158	18	1.53	0.04	-1.74e-04	-13.36	0.0	-1.38	4.51	0.08	0.04	-4.04e-04	1.11
		-0.09	-4.04e-04	0.0	0.0	55.6	-1.38	-8.85	0.08	0.04	0.04	-0.09
158	19	0.39	0.03	-1.21e-04	-4.32	0.0	-0.78	1.54	0.05	0.02	5.38e-04	0.24
		-0.10	5.38e-04	0.0	0.0	55.6	-0.78	-2.78	0.05	0.02	0.03	-0.10
158	28	2.29	0.02	-8.61e-05	-16.25	0.0	-1.31	5.12	0.05	0.04	-4.65e-03	1.84
		0.16	-4.65e-03	-2.22e-06	0.0	55.6	-1.31	-11.14	0.05	0.04	0.02	0.16
158	43	2.02	0.01	-5.11e-05	-13.36	0.0	-1.11	4.13	0.04	0.04	-5.71e-03	1.67
		0.25	-5.71e-03	-3.06e-06	0.0	55.6	-1.11	-9.23	0.04	0.04	0.01	0.25
158	45	0.95	3.19e-03	-5.67e-06	-4.32	0.0	-0.51	1.00	0.02	0.02	-4.72e-03	0.88
		0.24	-4.72e-03	-2.74e-06	0.0	55.6	-0.51	-3.32	0.02	0.02	3.19e-03	0.24
158	68	1.36	0.03	-1.13e-04	-11.18	0.0	-1.05	3.72	0.05	0.03	-1.21e-03	1.01
		-0.03	-1.21e-03	0.0	0.0	55.6	-1.05	-7.47	0.05	0.03	0.03	-0.03
158	72	0.53	0.02	-1.03e-04	-4.75	0.0	-0.75	1.56	0.05	0.02	-2.60e-04	0.39
		-0.06	-2.60e-04	0.0	0.0	55.6	-0.75	-3.18	0.05	0.02	0.02	-0.06
158	75	1.08	0.03	-1.22e-04	-9.25	0.0	-0.99	3.10	0.06	0.03	-4.88e-04	0.79
		-0.06	-4.88e-04	0.0	0.0	55.6	-0.99	-6.15	0.06	0.03	0.03	-0.06
158	80	1.58	0.02	-6.37e-05	-11.18	0.0	-0.94	3.50	0.04	0.03	-3.32e-03	1.27
		0.11	-3.32e-03	-1.61e-06	0.0	55.6	-0.94	-7.68	0.04	0.03	0.02	0.11
158	85	0.90	7.81e-03	-2.08e-05	-4.75	0.0	-0.57	1.21	0.03	0.02	-3.77e-03	0.81
		0.17	-3.77e-03	-2.14e-06	0.0	55.6	-0.57	-3.54	0.03	0.02	7.81e-03	0.17
158	87	1.40	0.01	-3.97e-05	-9.25	0.0	-0.81	2.85	0.03	0.03	-4.03e-03	1.16
		0.17	-4.03e-03	-2.17e-06	0.0	55.6	-0.81	-6.41	0.03	0.03	0.01	0.17
158	98	1.19	0.02	-7.94e-05	-9.25	0.0	-0.88	2.99	0.04	0.03	-2.05e-03	0.93
		0.02	-2.05e-03	0.0	0.0	55.6	-0.88	-6.26	0.04	0.03	0.02	0.02
158	102	0.66	0.02	-6.96e-05	-4.75	0.0	-0.67	1.39	0.04	0.02	-1.49e-03	0.54
		-3.08e-03	-1.49e-03	0.0	0.0	55.6	-0.67	-3.36	0.04	0.02	0.02	-3.08e-03
158	103	1.09	0.02	-8.51e-05	-8.61	0.0	-0.87	2.80	0.04	0.03	-1.71e-03	0.84
		5.60e-04	-1.71e-03	0.0	0.0	55.6	-0.87	-5.81	0.04	0.03	0.02	5.60e-04
158	104	0.73	0.01	-5.30e-05	-4.75	0.0	-0.63	1.32	0.03	0.02	-2.19e-03	0.63
		0.04	-2.19e-03	-1.18e-06	0.0	55.6	-0.63	-3.43	0.03	0.02	0.01	0.04
158	105	1.16	0.02	-6.85e-05	-8.61	0.0	-0.83	2.73	0.04	0.03	-2.41e-03	0.92
		0.05	-2.41e-03	-1.21e-06	0.0	55.6	-0.83	-5.88	0.04	0.03	0.02	0.05
158	106	0.69	0.02	-6.13e-05	-4.75	0.0	-0.64	1.35	0.04	0.02	-1.79e-03	0.58
		0.01	-1.79e-03	0.0	0.0	55.6	-0.64	-3.40	0.04	0.02	0.02	0.01
158	107	1.12	0.02	-7.68e-05	-8.61	0.0	-0.85	2.76	0.04	0.03	-2.02e-03	0.88
		0.02	-2.02e-03	0.0	0.0	55.6	-0.85	-5.85	0.04	0.03	0.02	0.02
158	108	0.45	0.10	-3.65e-04	-8.61	0.0	-0.36	4.95	0.21	0.06	-0.02	-0.35
		-0.35	-0.02	1.94e-04	0.0	55.6	-0.36	-3.66	0.21	0.06	0.10	0.02
158	111	2.11	0.01	2.12e-04	-8.61	0.0	-1.33	0.57	-0.13	-8.70e-03	0.01	2.10
		9.92e-03	-0.06	-1.96e-04	0.0	55.6	-1.33	-8.04	-0.13	-8.70e-03	-0.06	9.92e-03
158	117	1.12	0.04	2.08e-04	-8.61	0.0	-0.23	2.78	0.12	0.07	-0.03	0.87
		0.04	-0.03	2.64e-04	0.0	55.6	-0.23	-5.83	0.12	0.07	0.04	0.04
158	118	1.12	0.02	-3.62e-04	-8.61	0.0	-1.47	2.74	-0.04	-0.01	0.02	0.89
		-5.75e-03	-4.99e-03	-2.66e-04	0.0	55.6	-1.47	-5.87	-0.04	-0.01	-4.99e-03	-5.75e-03
158	124	0.16	0.10	-5.56e-04	-8.61	0.0	-0.89	6.31	0.19	0.03	2.16e-04	-1.13
		-1.13	2.16e-04	-5.05e-06	0.0	55.6	-0.89	-2.30	0.19	0.03	0.10	-9.94e-03
158	127	2.88	-4.25e-03	4.03e-04	-8.61	0.0	-0.80	-0.80	-0.10	0.03	-4.25e-03	2.88
		0.04	-0.06	3.11e-06	0.0	55.6	-0.80	-9.41	-0.10	0.03	-0.06	0.04
158	140	0.39	0.11	-4.01e-04	-8.61	0.0	-0.30	5.22	0.24	0.07	-0.02	-0.50
		-0.50	-0.02	2.19e-04	0.0	55.6	-0.30	-3.39	0.24	0.07	0.11	0.02
158	143	2.26	0.01	2.48e-04	-8.61	0.0	-1.39	0.29	-0.15	-0.01	0.01	2.26
		9.16e-03	-0.07	-2.21e-04	0.0	55.6	-1.39	-8.32	-0.15	-0.01	-0.07	9.16e-03
158	149	1.13	0.05	2.43e-04	-8.61	0.0	-0.14	2.77	0.13	0.07	-0.03	0.87
		0.04	-0.03	3.00e-04	0.0	55.6	-0.14	-5.84	0.13	0.07	0.05	0.04
158	150	1.12	0.02	-3.96e-04	-8.61	0.0	-1.55	2.74	-0.05	-0.02	0.02	0.88
		-8.46e-03	-8.22e-03	-3.02e-04	0.0	55.6	-1.55	-5.87	-0.05	-0.02	-8.22e-03	-8.46e-03
158	156	0.10	0.11	-6.16e-04	-8.61	0.0	-0.90	6.75	0.21	0.02	5.34e-04	-1.38
		-1.38	5.34e-04	-6.10e-06	0.0	55.6	-0.90	-1.85	0.21	0.02	0.11	-0.01
158	159	3.13	-4.57e-03	4.63e-04	-8.61	0.0	-0.79	-1.24	-0.12	0.03	-4.57e-03	3.13
		0.04	-0.07	4.17e-06	0.0	55.6	-0.79	-9.85	-0.12	0.03	-0.07	0.04

158	172	0.41	0.11	-3.87e-04	-8.61	0.0	-0.30	5.11	0.24	0.07	-0.02	-0.44
		-0.44	-0.02	2.20e-04	0.0	55.6	-0.30	-3.50	0.24	0.07	0.11	0.02
158	175	2.20	0.01	2.34e-04	-8.61	0.0	-1.40	0.40	-0.15	-0.01	0.01	2.19
		9.15e-03	-0.07	-2.22e-04	0.0	55.6	-1.40	-8.21	-0.15	-0.01	-0.07	9.15e-03
158	181	1.17	0.05	2.30e-04	-8.61	0.0	-0.12	2.65	0.14	0.07	-0.03	0.94
		0.04	-0.03	3.12e-04	0.0	55.6	-0.12	-5.96	0.14	0.07	0.05	0.04
158	182	1.07	0.03	-3.83e-04	-8.61	0.0	-1.57	2.86	-0.05	-0.02	0.03	0.82
		-8.28e-03	-9.98e-03	-3.14e-04	0.0	55.6	-1.57	-5.75	-0.05	-0.02	-9.98e-03	-8.28e-03
158	188	0.10	0.10	-6.07e-04	-8.61	0.0	-0.90	6.68	0.20	0.02	7.51e-04	-1.34
		-1.34	7.51e-04	-8.70e-06	0.0	55.6	-0.90	-1.93	0.20	0.02	0.10	-0.01
158	191	3.09	-4.78e-03	4.53e-04	-8.61	0.0	-0.79	-1.17	-0.12	0.03	-4.78e-03	3.09
		0.04	-0.07	6.76e-06	0.0	55.6	-0.79	-9.78	-0.12	0.03	-0.07	0.04
158	204	0.34	0.13	-4.33e-04	-8.61	0.0	-0.20	5.45	0.27	0.07	-0.02	-0.63
		-0.63	-0.02	2.59e-04	0.0	55.6	-0.20	-3.16	0.27	0.07	0.13	0.02
158	207	2.39	0.02	2.79e-04	-8.61	0.0	-1.50	0.06	-0.19	-0.02	0.02	2.39
		7.91e-03	-0.09	-2.61e-04	0.0	55.6	-1.50	-8.55	-0.19	-0.02	-0.09	7.91e-03
158	213	1.19	0.05	2.79e-04	-8.61	0.0	0.03	2.60	0.16	0.08	-0.03	0.97
		0.04	-0.03	3.78e-04	0.0	55.6	0.03	-6.01	0.16	0.08	0.05	0.04
158	214	1.05	0.03	-4.33e-04	-8.61	0.0	-1.73	2.92	-0.08	-0.03	0.03	0.78
		-0.01	-0.02	-3.80e-04	0.0	55.6	-1.73	-5.69	-0.08	-0.03	-0.02	-0.01
158	220	0.03	0.12	-6.93e-04	-8.61	0.0	-0.91	7.31	0.23	0.02	1.39e-03	-1.69
		-1.69	1.39e-03	-1.25e-05	0.0	55.6	-0.91	-1.30	0.23	0.02	0.12	-0.02
158	223	3.44	-5.42e-03	5.39e-04	-8.61	0.0	-0.78	-1.79	-0.15	0.03	-5.42e-03	3.44
		0.05	-0.08	1.05e-05	0.0	55.6	-0.78	-10.40	-0.15	0.03	-0.08	0.05
159	4	2.15	3.82e-03	-2.25e-04	-16.25	0.0	-1.47	9.86	2.40e-03	0.04	3.82e-03	0.49
		0.49	8.93e-04	0.0	0.0	55.6	-1.47	-6.39	2.40e-03	0.04	8.93e-04	1.45
159	19	0.33	1.92e-03	-1.42e-04	-4.32	0.0	-0.82	3.17	3.56e-03	0.02	1.92e-03	-0.32
		-0.32	1.77e-03	0.0	0.0	55.6	-0.82	-1.15	3.56e-03	0.02	1.77e-03	0.24
159	28	2.61	3.80e-03	-1.54e-04	-16.25	0.0	-1.18	9.51	-3.00e-03	0.04	3.80e-03	1.07
		1.07	-2.25e-03	0.0	0.0	55.6	-1.18	-6.74	-3.00e-03	0.04	-2.25e-03	1.84
159	41	1.44	2.61e-03	-5.78e-05	-6.60	0.0	-0.56	4.01	-5.50e-03	0.03	2.61e-03	0.76
		0.76	-3.60e-03	-1.88e-06	0.0	55.6	-0.56	-2.60	-5.50e-03	0.03	-3.60e-03	1.15
159	45	1.08	1.88e-03	-2.38e-05	-4.32	0.0	-0.33	2.58	-5.43e-03	0.02	1.88e-03	0.65
		0.65	-3.46e-03	-1.82e-06	0.0	55.6	-0.33	-1.74	-5.43e-03	0.02	-3.46e-03	0.88
159	52	2.36	3.83e-03	-1.89e-04	-16.25	0.0	-1.30	9.67	1.45e-05	0.04	3.83e-03	0.77
		0.77	-4.81e-04	0.0	0.0	55.6	-1.30	-6.58	1.45e-05	0.04	-4.81e-04	1.63
159	68	1.49	2.77e-03	-1.59e-04	-11.18	0.0	-1.04	6.83	1.53e-03	0.03	2.77e-03	0.33
		0.33	5.22e-04	0.0	0.0	55.6	-1.04	-4.36	1.53e-03	0.03	5.22e-04	1.01
159	72	0.51	1.99e-03	-1.26e-04	-4.75	0.0	-0.75	3.31	2.26e-03	0.02	1.99e-03	-0.13
		-0.13	1.01e-03	0.0	0.0	55.6	-0.75	-1.44	2.26e-03	0.02	1.01e-03	0.39
159	80	1.79	2.76e-03	-1.11e-04	-11.18	0.0	-0.84	6.59	-2.06e-03	0.03	2.76e-03	0.72
		0.72	-1.57e-03	0.0	0.0	55.6	-0.84	-4.59	-2.06e-03	0.03	-1.57e-03	1.27
159	85	1.01	1.97e-03	-4.74e-05	-4.75	0.0	-0.43	2.92	-3.73e-03	0.02	1.97e-03	0.51
		0.51	-2.47e-03	-1.32e-06	0.0	55.6	-0.43	-1.83	-3.73e-03	0.02	-2.47e-03	0.81
159	92	1.63	2.78e-03	-1.35e-04	-11.18	0.0	-0.92	6.70	-5.58e-05	0.03	2.78e-03	0.52
		0.52	-3.93e-04	0.0	0.0	55.6	-0.92	-4.49	-5.58e-05	0.03	-3.93e-04	1.13
159	98	1.33	2.48e-03	-1.18e-04	-9.25	0.0	-0.81	5.59	-2.55e-04	0.03	2.48e-03	0.39
		0.39	-4.85e-04	0.0	0.0	55.6	-0.81	-3.66	-2.55e-04	0.03	-4.85e-04	0.93
159	102	0.69	2.00e-03	-9.47e-05	-4.75	0.0	-0.60	3.14	1.42e-04	0.02	2.00e-03	0.12
		0.12	-2.06e-04	0.0	0.0	55.6	-0.60	-1.61	1.42e-04	0.02	-2.06e-04	0.54
159	103	1.20	2.41e-03	-1.21e-04	-8.61	0.0	-0.81	5.27	2.56e-04	0.03	2.41e-03	0.30
		0.30	-1.84e-04	0.0	0.0	55.6	-0.81	-3.33	2.56e-04	0.03	-1.84e-04	0.84
159	104	0.79	1.99e-03	-7.89e-05	-4.75	0.0	-0.53	3.06	-1.06e-03	0.02	1.99e-03	0.25
		0.25	-9.04e-04	0.0	0.0	55.6	-0.53	-1.69	-1.06e-03	0.02	-9.04e-04	0.63
159	106	0.74	2.00e-03	-8.68e-05	-4.75	0.0	-0.56	3.10	-3.88e-04	0.02	2.00e-03	0.18
		0.18	-5.11e-04	0.0	0.0	55.6	-0.56	-1.65	-3.88e-04	0.02	-5.11e-04	0.58
159	107	1.24	2.41e-03	-1.14e-04	-8.61	0.0	-0.77	5.23	-2.74e-04	0.03	2.41e-03	0.36
		0.36	-4.89e-04	0.0	0.0	55.6	-0.77	-3.38	-2.74e-04	0.03	-4.89e-04	0.88
159	121	0.99	-1.18e-03	1.28e-04	-8.61	0.0	1.00	5.56	-0.02	0.08	-1.18e-03	-2.05e-03
		-2.05e-03	-0.02	2.25e-04	0.0	55.6	1.00	-3.05	-0.02	0.08	-0.02	0.69
159	122	1.50	0.02	-3.55e-04	-8.61	0.0	-2.55	4.90	0.02	-0.02	6.00e-03	0.72
		0.72	6.00e-03	-2.26e-04	0.0	55.6	-2.55	-3.71	0.02	-0.02	0.02	1.06
159	124	-1.13	2.62e-03	-5.73e-04	-8.61	0.0	-0.82	8.61	5.13e-03	0.02	2.62e-03	-3.52
		-3.52	2.50e-03	-3.34e-06	0.0	55.6	-0.82	6.47e-04	5.13e-03	0.02	2.50e-03	-1.13
159	127	4.35	2.20e-03	3.46e-04	-8.61	0.0	-0.73	1.85	-5.68e-03	0.03	2.20e-03	4.24
		2.88	-3.48e-03	2.79e-06	0.0	55.6	-0.73	-6.75	-5.68e-03	0.03	-3.48e-03	2.88
159	153	0.97	-1.65e-03	1.57e-04	-8.61	0.0	1.24	5.59	-0.03	0.08	-1.65e-03	-0.04
		-0.04	-0.02	2.55e-04	0.0	55.6	1.24	-3.02	-0.03	0.08	-0.02	0.67
159	154	1.53	0.02	-3.84e-04	-8.61	0.0	-2.79	4.87	0.02	-0.03	6.47e-03	0.76
		0.76	6.47e-03	-2.55e-04	0.0	55.6	-2.79	-3.74	0.02	-0.03	0.02	1.08
159	156	-1.38	2.90e-03	-6.31e-04	-8.61	0.0	-0.83	9.03	5.82e-03	0.02	2.65e-03	-4.00
		-4.00	2.65e-03	-4.28e-06	0.0	55.6	-0.83	0.42	5.82e-03	0.02	2.90e-03	-1.38
159	159	4.79	2.17e-03	4.03e-04	-8.61	0.0	-0.72	1.43	-6.37e-03	0.03	2.17e-03	4.72
		3.13	-3.87e-03	3.73e-06	0.0	55.6	-0.72	-7.18	-6.37e-03	0.03	-3.87e-03	3.13
159	185	1.05	-1.78e-03	1.44e-04	-8.61	0.0	1.31	5.50	-0.03	0.08	-1.78e-03	0.08

		0.08	-0.02	2.65e-04	0.0	55.6	1.31	-3.11	-0.03	0.08	-0.02	0.73
159	186	1.44	0.02	-3.71e-04	-8.61	0.0	-2.86	4.97	0.03	-0.03	6.60e-03	0.64
		0.64	6.60e-03	-2.66e-04	0.0	55.6	-2.86	-3.64	0.03	-0.03	0.02	1.02
159	188	-1.34	2.97e-03	-6.22e-04	-8.61	0.0	-0.84	8.95	5.86e-03	0.02	2.70e-03	-3.92
		-3.92	2.70e-03	-7.00e-06	0.0	55.6	-0.84	0.35	5.86e-03	0.02	2.97e-03	-1.34
159	191	4.71	2.12e-03	3.95e-04	-8.61	0.0	-0.71	1.51	-6.40e-03	0.03	2.12e-03	4.64
		3.09	-3.94e-03	6.45e-06	0.0	55.6	-0.71	-7.10	-6.40e-03	0.03	-3.94e-03	3.09
159	217	1.04	-2.66e-03	1.85e-04	-8.61	0.0	1.74	5.51	-0.03	0.10	-2.66e-03	0.07
		0.07	-0.02	3.21e-04	0.0	55.6	1.74	-3.10	-0.03	0.10	-0.02	0.73
159	218	1.45	0.02	-4.12e-04	-8.61	0.0	-3.29	4.95	0.03	-0.04	7.48e-03	0.65
		0.65	7.48e-03	-3.22e-04	0.0	55.6	-3.29	-3.66	0.03	-0.04	0.02	1.02
159	220	-1.69	3.62e-03	-7.04e-04	-8.61	0.0	-0.86	9.55	6.94e-03	0.02	2.78e-03	-4.60
		-4.60	2.78e-03	-1.07e-05	0.0	55.6	-0.86	0.94	6.94e-03	0.02	3.62e-03	-1.69
159	223	5.35	2.04e-03	4.77e-04	-8.61	0.0	-0.69	0.91	-7.49e-03	0.03	2.04e-03	5.32
		3.44	-4.60e-03	1.01e-05	0.0	55.6	-0.69	-7.70	-7.49e-03	0.03	-4.60e-03	3.44
160	4	0.68	6.00e-03	-2.69e-04	-16.25	0.0	-1.51	12.85	0.05	0.03	-0.02	-2.14
		-2.14	-0.02	0.0	0.0	55.6	-1.51	-3.40	0.05	0.03	6.00e-03	0.49
160	18	0.27	5.47e-03	-2.65e-04	-13.36	0.0	-1.42	11.03	0.04	0.03	-0.01	-2.26
		-2.26	-0.01	0.0	0.0	55.6	-1.42	-2.32	0.04	0.03	5.47e-03	0.16
160	28	1.32	6.11e-03	-2.01e-04	-16.25	0.0	-1.35	12.37	0.06	0.03	-0.03	-1.29
		-1.29	-0.03	-1.03e-06	0.0	55.6	-1.35	-3.88	0.06	0.03	6.11e-03	1.07
160	44	1.33	5.65e-03	-1.53e-04	-13.36	0.0	-1.16	10.24	0.07	0.03	-0.03	-0.85
		-0.85	-0.03	-1.67e-06	0.0	55.6	-1.16	-3.12	0.07	0.03	5.65e-03	1.13
160	45	0.69	3.15e-03	-4.17e-05	-4.32	0.0	-0.50	3.51	0.04	0.02	-0.02	-0.10
		-0.10	-0.02	-1.87e-06	0.0	55.6	-0.50	-0.81	0.04	0.02	3.15e-03	0.65
160	68	0.46	4.36e-03	-1.89e-04	-11.18	0.0	-1.06	8.91	0.04	0.02	-0.01	-1.52
		-1.52	-0.01	0.0	0.0	55.6	-1.06	-2.27	0.04	0.02	4.36e-03	0.33
160	75	0.18	4.01e-03	-1.87e-04	-9.25	0.0	-1.00	7.70	0.03	0.02	-0.01	-1.60
		-1.60	-0.01	0.0	0.0	55.6	-1.00	-1.55	0.03	0.02	4.01e-03	0.11
160	80	0.88	4.43e-03	-1.44e-04	-11.18	0.0	-0.96	8.60	0.05	0.03	-0.02	-0.95
		-0.95	-0.02	0.0	0.0	55.6	-0.96	-2.59	0.05	0.03	4.43e-03	0.72
160	85	0.55	3.23e-03	-6.58e-05	-4.75	0.0	-0.55	3.96	0.04	0.02	-0.02	-0.37
		-0.37	-0.02	-1.36e-06	0.0	55.6	-0.55	-0.79	0.04	0.02	3.23e-03	0.51
160	88	0.89	4.12e-03	-1.12e-04	-9.25	0.0	-0.83	7.17	0.05	0.02	-0.02	-0.66
		-0.66	-0.02	-1.18e-06	0.0	55.6	-0.83	-2.08	0.05	0.02	4.12e-03	0.76
160	98	0.50	3.94e-03	-1.44e-04	-9.25	0.0	-0.85	7.30	0.04	0.02	-0.01	-1.09
		-1.09	-0.01	0.0	0.0	55.6	-0.85	-1.95	0.04	0.02	3.94e-03	0.39
160	103	0.39	3.82e-03	-1.46e-04	-8.61	0.0	-0.84	6.91	0.03	0.02	-0.01	-1.15
		-1.15	-0.01	0.0	0.0	55.6	-0.84	-1.70	0.03	0.02	3.82e-03	0.30
160	104	0.27	3.20e-03	-9.56e-05	-4.75	0.0	-0.58	4.17	0.03	0.02	-0.01	-0.75
		-0.75	-0.01	0.0	0.0	55.6	-0.58	-0.58	0.03	0.02	3.20e-03	0.25
160	105	0.53	3.84e-03	-1.31e-04	-8.61	0.0	-0.80	6.81	0.04	0.02	-0.01	-0.96
		-0.96	-0.01	0.0	0.0	55.6	-0.80	-1.80	0.04	0.02	3.84e-03	0.43
160	106	0.20	3.19e-03	-1.03e-04	-4.75	0.0	-0.58	4.22	0.03	0.02	-0.01	-0.84
		-0.84	-0.01	0.0	0.0	55.6	-0.58	-0.53	0.03	0.02	3.19e-03	0.18
160	107	0.46	3.84e-03	-1.38e-04	-8.61	0.0	-0.81	6.86	0.04	0.02	-0.01	-1.06
		-1.06	-0.01	0.0	0.0	55.6	-0.81	-1.75	0.04	0.02	3.84e-03	0.36
160	121	0.05	8.05e-03	9.50e-05	-8.61	0.0	1.15	7.42	0.19	0.07	-0.09	-1.69
		-1.69	-0.09	2.24e-04	0.0	55.6	1.15	-1.19	0.19	0.07	8.05e-03	-2.04e-03
160	122	0.88	0.07	-3.71e-04	-8.61	0.0	-2.77	6.30	-0.11	-0.02	0.07	-0.42
		-0.42	-3.75e-04	-2.25e-04	0.0	55.6	-2.77	-2.31	-0.11	-0.02	-3.75e-04	0.72
160	124	-3.52	3.52e-03	-5.71e-04	-8.61	0.0	-0.86	11.03	0.02	0.02	-5.91e-03	-7.24
		-7.24	-5.91e-03	-2.32e-06	0.0	55.6	-0.86	2.42	0.02	0.02	3.52e-03	-3.52
160	127	5.36	4.16e-03	2.95e-04	-8.61	0.0	-0.76	2.68	0.05	0.02	-0.02	5.12
		4.24	-0.02	1.68e-06	0.0	55.6	-0.76	-5.93	0.05	0.02	4.16e-03	4.24
160	153	0.01	8.60e-03	1.23e-04	-8.61	0.0	1.41	7.48	0.21	0.07	-0.10	-1.76
		-1.76	-0.10	2.54e-04	0.0	55.6	1.41	-1.13	0.21	0.07	8.60e-03	-0.04
160	154	0.93	0.08	-4.00e-04	-8.61	0.0	-3.02	6.24	-0.13	-0.03	0.08	-0.36
		-0.36	-9.26e-04	-2.55e-04	0.0	55.6	-3.02	-2.37	-0.13	-0.03	-9.26e-04	0.76
160	156	-4.00	3.47e-03	-6.25e-04	-8.61	0.0	-0.86	11.55	0.02	0.02	-4.82e-03	-8.01
		-8.01	-4.82e-03	-3.14e-06	0.0	55.6	-0.86	2.94	0.02	0.02	3.47e-03	-4.00
160	159	6.05	4.20e-03	3.49e-04	-8.61	0.0	-0.75	2.16	0.05	0.03	-0.02	5.89
		4.72	-0.02	2.50e-06	0.0	55.6	-0.75	-6.45	0.05	0.03	4.20e-03	4.72
160	185	0.13	8.74e-03	1.12e-04	-8.61	0.0	1.48	7.40	0.21	0.07	-0.11	-1.59
		-1.59	-0.11	2.65e-04	0.0	55.6	1.48	-1.21	0.21	0.07	8.74e-03	0.08
160	186	0.80	0.08	-3.88e-04	-8.61	0.0	-3.10	6.31	-0.14	-0.03	0.08	-0.53
		-0.53	-1.06e-03	-2.65e-04	0.0	55.6	-3.10	-2.30	-0.14	-0.03	-1.06e-03	0.64
160	188	-3.92	3.43e-03	-6.17e-04	-8.61	0.0	-0.88	11.47	0.02	0.02	-4.10e-03	-7.88
		-7.88	-4.10e-03	-5.94e-06	0.0	55.6	-0.88	2.86	0.02	0.02	3.43e-03	-3.92
160	191	5.93	4.25e-03	3.41e-04	-8.61	0.0	-0.74	2.25	0.05	0.03	-0.02	5.76
		4.64	-0.02	5.30e-06	0.0	55.6	-0.74	-6.36	0.05	0.03	4.25e-03	4.64
160	217	0.12	9.76e-03	1.53e-04	-8.61	0.0	1.95	7.49	0.25	0.08	-0.12	-1.64
		-1.64	-0.12	3.21e-04	0.0	55.6	1.95	-1.12	0.25	0.08	9.76e-03	0.07
160	218	0.82	0.10	-4.29e-04	-8.61	0.0	-3.57	6.22	-0.18	-0.04	0.10	-0.48
		-0.48	-2.09e-03	-3.21e-04	0.0	55.6	-3.57	-2.38	-0.18	-0.04	-2.09e-03	0.65

160	220	-4.60	3.32e-03	-6.95e-04	-8.61	0.0	-0.91	12.22	0.01	0.02	-1.94e-03	-8.97
		-8.97	-1.94e-03	-9.47e-06	0.0	55.6	-0.91	3.61	0.01	0.02	3.32e-03	-4.60
160	223	6.93	4.35e-03	4.19e-04	-8.61	0.0	-0.71	1.50	0.06	0.03	-0.03	6.86
		5.32	-0.03	8.83e-06	0.0	55.6	-0.71	-7.11	0.06	0.03	4.35e-03	5.32
161	4	-1.68	7.35e-03	-2.64e-04	-17.44	0.0	-0.62	12.25	-0.03	0.02	7.35e-03	-4.24
		-4.24	-0.02	2.49e-06	0.0	59.6	-0.62	-5.19	-0.03	0.02	-0.02	-2.14
161	17	-1.86	5.64e-03	-2.50e-04	-14.33	0.0	-0.68	10.23	-0.02	0.02	5.64e-03	-4.03
		-4.03	-0.01	1.79e-06	0.0	59.6	-0.68	-4.10	-0.02	0.02	-0.01	-2.20
161	36	-0.44	6.76e-03	-8.04e-05	-4.63	0.0	-0.11	3.72	-0.04	0.01	6.76e-03	-1.33
		-1.33	-0.02	1.33e-06	0.0	59.6	-0.11	-0.92	-0.04	0.01	-0.02	-0.49
161	44	-0.44	0.01	-1.55e-04	-14.33	0.0	-0.35	9.88	-0.06	0.02	0.01	-2.46
		-2.46	-0.03	1.92e-06	0.0	59.6	-0.35	-4.45	-0.06	0.02	-0.03	-0.85
161	45	9.53e-03	7.19e-03	-4.34e-05	-4.63	0.0	-0.14	3.31	-0.04	0.01	7.19e-03	-0.70
		-0.70	-0.02	0.0	0.0	59.6	-0.14	-1.32	-0.04	0.01	-0.02	-0.10
161	68	-1.21	5.45e-03	-1.86e-04	-12.00	0.0	-0.43	8.47	-0.03	0.02	5.45e-03	-2.99
		-2.99	-0.01	1.78e-06	0.0	59.6	-0.43	-3.53	-0.03	0.02	-0.01	-1.52
161	74	-1.33	4.31e-03	-1.77e-04	-9.93	0.0	-0.47	7.12	-0.02	0.01	4.31e-03	-2.85
		-2.85	-8.68e-03	1.31e-06	0.0	59.6	-0.47	-2.80	-0.02	0.01	-8.68e-03	-1.56
161	81	-0.56	6.18e-03	-9.08e-05	-5.09	0.0	-0.14	3.98	-0.03	0.01	6.18e-03	-1.49
		-1.49	-0.01	1.33e-06	0.0	59.6	-0.14	-1.11	-0.03	0.01	-0.01	-0.63
161	85	-0.26	6.47e-03	-6.61e-05	-5.09	0.0	-0.16	3.71	-0.04	0.01	6.47e-03	-1.07
		-1.07	-0.02	0.0	0.0	59.6	-0.16	-1.38	-0.04	0.01	-0.02	-0.37
161	88	-0.38	7.58e-03	-1.13e-04	-9.93	0.0	-0.25	6.89	-0.04	0.01	7.58e-03	-1.80
		-1.80	-0.02	1.40e-06	0.0	59.6	-0.25	-3.04	-0.04	0.01	-0.02	-0.66
161	99	-0.78	4.85e-03	-1.03e-04	-5.09	0.0	-0.18	3.92	-0.02	0.01	4.85e-03	-1.68
		-1.68	-0.01	1.29e-06	0.0	59.6	-0.18	-1.18	-0.02	0.01	-0.01	-0.86
161	103	-0.92	5.28e-03	-1.43e-04	-9.24	0.0	-0.31	6.55	-0.03	0.01	5.28e-03	-2.30
		-2.30	-0.01	1.50e-06	0.0	59.6	-0.31	-2.69	-0.03	0.01	-0.01	-1.15
161	104	-0.66	5.11e-03	-9.36e-05	-5.09	0.0	-0.18	3.84	-0.03	0.01	5.11e-03	-1.52
		-1.52	-0.01	1.15e-06	0.0	59.6	-0.18	-1.25	-0.03	0.01	-0.01	-0.75
161	105	-0.72	5.89e-03	-1.29e-04	-9.24	0.0	-0.27	6.48	-0.03	0.01	5.89e-03	-2.07
		-2.07	-0.01	1.49e-06	0.0	59.6	-0.27	-2.76	-0.03	0.01	-0.01	-0.96
161	106	-0.76	4.77e-03	-1.00e-04	-5.09	0.0	-0.18	3.88	-0.02	0.01	4.77e-03	-1.64
		-1.64	-0.01	1.22e-06	0.0	59.6	-0.18	-1.22	-0.02	0.01	-0.01	-0.84
161	107	-0.82	5.56e-03	-1.36e-04	-9.24	0.0	-0.27	6.51	-0.03	0.01	5.56e-03	-2.19
		-2.19	-0.01	1.56e-06	0.0	59.6	-0.27	-2.73	-0.03	0.01	-0.01	-1.06
161	121	-1.54	0.03	7.99e-05	-9.24	0.0	2.65	4.74	-0.19	0.05	0.03	-3.14
		-3.14	-0.09	2.48e-04	0.0	59.6	2.65	-4.50	-0.19	0.05	-0.09	-1.69
161	122	-0.08	0.06	-3.52e-04	-9.24	0.0	-3.20	8.28	0.13	-0.02	-0.02	-1.23
		-1.23	-0.02	-2.45e-04	0.0	59.6	-3.20	-0.95	0.13	-0.02	0.06	-0.42
161	124	-7.23	3.14e-03	-5.16e-04	-9.24	0.0	-0.35	8.12	-0.01	0.01	3.14e-03	-9.67
		-9.67	-5.13e-03	1.31e-06	0.0	59.6	-0.35	-1.11	-0.01	0.01	-5.13e-03	-7.24
161	127	5.90	7.97e-03	2.44e-04	-9.24	0.0	-0.20	4.90	-0.04	0.02	7.97e-03	5.30
		5.12	-0.02	1.82e-06	0.0	59.6	-0.20	-4.34	-0.04	0.02	-0.02	5.12
161	153	-1.61	0.03	1.07e-04	-9.24	0.0	3.03	4.51	-0.21	0.05	0.03	-3.25
		-3.25	-0.09	2.81e-04	0.0	59.6	3.03	-4.72	-0.21	0.05	-0.09	-1.76
161	154	-2.10e-03	0.07	-3.79e-04	-9.24	0.0	-3.58	8.51	0.16	-0.02	-0.02	-1.13
		-1.13	-0.02	-2.78e-04	0.0	59.6	-3.58	-0.73	0.16	-0.02	0.07	-0.36
161	156	-8.01	2.80e-03	-5.64e-04	-9.24	0.0	-0.36	8.33	-9.19e-03	0.01	2.80e-03	-10.60
		-10.60	-4.09e-03	0.0	0.0	59.6	-0.36	-0.91	-9.19e-03	0.01	-4.09e-03	-8.01
161	159	6.76	8.31e-03	2.92e-04	-9.24	0.0	-0.19	4.69	-0.05	0.02	8.31e-03	6.23
		5.89	-0.02	2.50e-06	0.0	59.6	-0.19	-4.54	-0.05	0.02	-0.02	5.89
161	185	-1.45	0.03	9.84e-05	-9.24	0.0	3.14	4.51	-0.22	0.05	0.03	-3.10
		-3.10	-0.10	2.93e-04	0.0	59.6	3.14	-4.73	-0.22	0.05	-0.10	-1.59
161	186	-0.16	0.07	-3.70e-04	-9.24	0.0	-3.69	8.51	0.16	-0.02	-0.02	-1.27
		-1.27	-0.02	-2.90e-04	0.0	59.6	-3.69	-0.72	0.16	-0.02	0.07	-0.53
161	188	-7.88	2.59e-03	-5.57e-04	-9.24	0.0	-0.39	8.32	-7.78e-03	0.01	2.59e-03	-10.46
		-10.46	-3.45e-03	-2.66e-06	0.0	59.6	-0.39	-0.91	-7.78e-03	0.01	-3.45e-03	-7.88
161	191	6.62	8.52e-03	2.85e-04	-9.24	0.0	-0.16	4.70	-0.05	0.02	8.52e-03	6.08
		5.76	-0.02	5.79e-06	0.0	59.6	-0.16	-4.54	-0.05	0.02	-0.02	5.76
161	217	-1.52	0.04	1.38e-04	-9.24	0.0	3.85	4.13	-0.26	0.06	0.04	-3.25
		-3.25	-0.11	3.56e-04	0.0	59.6	3.85	-5.10	-0.26	0.06	-0.11	-1.64
161	218	-0.08	0.09	-4.10e-04	-9.24	0.0	-4.40	8.89	0.20	-0.03	-0.03	-1.13
		-1.13	-0.03	-3.52e-04	0.0	59.6	-4.40	-0.35	0.20	-0.03	0.09	-0.48
161	220	-8.97	1.93e-03	-6.26e-04	-9.24	0.0	-0.43	8.63	-3.25e-03	9.28e-03	1.93e-03	-11.79
		-11.79	-1.42e-03	-6.31e-06	0.0	59.6	-0.43	-0.61	-3.25e-03	9.28e-03	-1.42e-03	-8.97
161	223	7.85	9.18e-03	3.54e-04	-9.24	0.0	-0.12	4.39	-0.05	0.02	9.18e-03	7.42
		6.86	-0.02	9.44e-06	0.0	59.6	-0.12	-4.84	-0.05	0.02	-0.02	6.86
162	4	-2.94	8.34e-03	-1.95e-04	-17.44	0.0	-1.10	8.71	0.02	0.01	-1.54e-03	-4.24
		-4.24	-1.54e-03	1.67e-06	0.0	59.6	-1.10	-8.73	0.02	0.01	8.34e-03	-4.24
162	19	-1.99	3.09e-03	-1.08e-04	-4.63	0.0	-0.43	2.09	6.50e-03	6.29e-03	1.80e-04	-2.27
		-2.41	1.80e-04	0.0	0.0	59.6	-0.43	-2.55	6.50e-03	6.29e-03	3.09e-03	-2.41
162	28	-1.98	0.01	-1.49e-04	-17.44	0.0	-1.25	8.93	0.03	0.01	-3.32e-03	-3.34
		-3.34	-3.32e-03	1.25e-06	0.0	59.6	-1.25	-8.51	0.03	0.01	0.01	-3.22
162	44	-1.47	0.01	-1.14e-04	-14.33	0.0	-1.20	7.41	0.03	0.01	-3.76e-03	-2.61

		-2.61	-3.76e-03	0.0	0.0	59.6	-1.20	-6.92	0.03	0.01	0.01	-2.46
162	45	-0.39	7.69e-03	-3.11e-05	-4.63	0.0	-0.67	2.45	0.02	7.36e-03	-2.79e-03	-0.78
		-0.78	-2.79e-03	0.0	0.0	59.6	-0.67	-2.18	0.02	7.36e-03	7.69e-03	-0.70
162	68	-2.09	6.17e-03	-1.37e-04	-12.00	0.0	-0.78	5.98	0.01	9.26e-03	-1.16e-03	-2.98
		-2.99	-1.16e-03	1.17e-06	0.0	59.6	-0.78	-6.02	0.01	9.26e-03	6.17e-03	-2.99
162	72	-1.78	3.92e-03	-9.93e-05	-5.09	0.0	-0.46	2.38	8.85e-03	6.67e-03	-3.11e-04	-2.11
		-2.21	-3.11e-04	0.0	0.0	59.6	-0.46	-2.71	8.85e-03	6.67e-03	3.92e-03	-2.21
162	80	-1.45	8.01e-03	-1.07e-04	-12.00	0.0	-0.88	6.13	0.02	9.69e-03	-2.35e-03	-2.38
		-2.38	-2.35e-03	0.0	0.0	59.6	-0.88	-5.87	0.02	9.69e-03	8.01e-03	-2.31
162	85	-0.71	6.99e-03	-4.80e-05	-5.09	0.0	-0.63	2.63	0.02	7.38e-03	-2.29e-03	-1.12
		-1.12	-2.29e-03	0.0	0.0	59.6	-0.63	-2.46	0.02	7.38e-03	6.99e-03	-1.07
162	88	-1.11	8.24e-03	-8.30e-05	-9.93	0.0	-0.85	5.11	0.02	9.17e-03	-2.65e-03	-1.89
		-1.89	-2.65e-03	0.0	0.0	59.6	-0.85	-4.81	0.02	9.17e-03	8.24e-03	-1.80
162	98	-1.55	6.34e-03	-1.05e-04	-9.93	0.0	-0.69	4.98	0.02	8.58e-03	-1.53e-03	-2.29
		-2.29	-1.53e-03	0.0	0.0	59.6	-0.69	-4.94	0.02	8.58e-03	6.34e-03	-2.28
162	102	-1.35	5.02e-03	-7.87e-05	-5.09	0.0	-0.48	2.48	0.01	6.96e-03	-1.04e-03	-1.71
		-1.75	-1.04e-03	0.0	0.0	59.6	-0.48	-2.61	0.01	6.96e-03	5.02e-03	-1.75
162	103	-1.61	5.91e-03	-1.05e-04	-9.24	0.0	-0.66	4.61	0.01	8.28e-03	-1.30e-03	-2.29
		-2.30	-1.30e-03	0.0	0.0	59.6	-0.66	-4.63	0.01	8.28e-03	5.91e-03	-2.30
162	104	-1.14	5.64e-03	-6.84e-05	-5.09	0.0	-0.51	2.53	0.01	7.11e-03	-1.43e-03	-1.51
		-1.52	-1.43e-03	0.0	0.0	59.6	-0.51	-2.56	0.01	7.11e-03	5.64e-03	-1.52
162	105	-1.40	6.53e-03	-9.50e-05	-9.24	0.0	-0.69	4.66	0.02	8.43e-03	-1.70e-03	-2.09
		-2.09	-1.70e-03	0.0	0.0	59.6	-0.69	-4.58	0.02	8.43e-03	6.53e-03	-2.07
162	106	-1.24	5.30e-03	-7.35e-05	-5.09	0.0	-0.49	2.50	0.01	7.04e-03	-1.22e-03	-1.61
		-1.64	-1.22e-03	0.0	0.0	59.6	-0.49	-2.59	0.01	7.04e-03	5.30e-03	-1.64
162	107	-1.50	6.19e-03	-1.00e-04	-9.24	0.0	-0.66	4.63	0.02	8.36e-03	-1.48e-03	-2.19
		-2.19	-1.48e-03	0.0	0.0	59.6	-0.66	-4.61	0.02	8.36e-03	6.19e-03	-2.19
162	121	-2.46	0.03	5.03e-05	-9.24	0.0	0.73	4.38	0.09	0.04	-0.02	-3.16
		-3.16	-0.02	2.44e-04	0.0	59.6	0.73	-4.86	0.09	0.04	0.03	-3.14
162	122	-0.54	0.01	-2.51e-04	-9.24	0.0	-2.06	4.88	-0.06	-0.02	0.01	-1.23
		-1.23	-0.02	-2.42e-04	0.0	59.6	-2.06	-4.36	-0.06	-0.02	-0.02	-1.23
162	124	-8.31	3.50e-03	-3.55e-04	-9.24	0.0	-0.70	2.64	6.91e-03	4.99e-03	7.95e-04	-8.55
		-9.67	7.95e-04	1.94e-06	0.0	59.6	-0.70	-6.60	6.91e-03	4.99e-03	3.50e-03	-9.67
162	127	5.53	8.88e-03	1.54e-04	-9.24	0.0	-0.62	6.62	0.02	0.01	-3.76e-03	4.16
		4.16	-3.76e-03	0.0	0.0	59.6	-0.62	-2.61	0.02	0.01	8.88e-03	5.30
162	153	-2.57	0.04	6.89e-05	-9.24	0.0	0.92	4.35	0.10	0.04	-0.02	-3.27
		-3.27	-0.02	2.77e-04	0.0	59.6	0.92	-4.88	0.10	0.04	0.04	-3.25
162	154	-0.43	0.02	-2.69e-04	-9.24	0.0	-2.24	4.91	-0.07	-0.02	0.02	-1.12
		-1.13	-0.03	-2.75e-04	0.0	59.6	-2.24	-4.33	-0.07	-0.02	-0.03	-1.13
162	156	-9.14	3.11e-03	-3.87e-04	-9.24	0.0	-0.70	2.39	5.76e-03	4.53e-03	1.10e-03	-9.35
		-10.60	1.10e-03	1.41e-06	0.0	59.6	-0.70	-6.85	5.76e-03	4.53e-03	3.11e-03	-10.60
162	159	6.43	9.27e-03	1.86e-04	-9.24	0.0	-0.62	6.87	0.02	0.01	-4.07e-03	4.96
		4.96	-4.07e-03	0.0	0.0	59.6	-0.62	-2.36	0.02	0.01	9.27e-03	6.23
162	185	-2.46	0.04	6.44e-05	-9.24	0.0	0.97	4.41	0.10	0.04	-0.02	-3.18
		-3.18	-0.02	2.89e-04	0.0	59.6	0.97	-4.83	0.10	0.04	0.04	-3.10
162	186	-0.55	0.02	-2.65e-04	-9.24	0.0	-2.29	4.85	-0.07	-0.02	0.02	-1.20
		-1.27	-0.03	-2.87e-04	0.0	59.6	-2.29	-4.38	-0.07	-0.02	-0.03	-1.27
162	188	-9.02	2.86e-03	-3.83e-04	-9.24	0.0	-0.71	2.43	5.12e-03	4.34e-03	1.22e-03	-9.23
		-10.46	1.22e-03	-1.93e-06	0.0	59.6	-0.71	-6.80	5.12e-03	4.34e-03	2.86e-03	-10.46
162	191	6.29	9.52e-03	1.82e-04	-9.24	0.0	-0.61	6.83	0.03	0.01	-4.19e-03	4.84
		4.84	-4.19e-03	3.80e-06	0.0	59.6	-0.61	-2.41	0.03	0.01	9.52e-03	6.08
162	217	-2.62	0.05	9.27e-05	-9.24	0.0	1.30	4.39	0.12	0.05	-0.02	-3.37
		-3.37	-0.02	3.51e-04	0.0	59.6	1.30	-4.85	0.12	0.05	0.05	-3.25
162	218	-0.39	0.02	-2.93e-04	-9.24	0.0	-2.63	4.87	-0.09	-0.03	0.02	-1.02
		-1.13	-0.03	-3.49e-04	0.0	59.6	-2.63	-4.36	-0.09	-0.03	-0.03	-1.13
162	220	-10.21	2.09e-03	-4.29e-04	-9.24	0.0	-0.73	2.08	2.92e-03	3.44e-03	1.78e-03	-10.37
		-11.79	1.78e-03	-5.35e-06	0.0	59.6	-0.73	-7.16	2.92e-03	3.44e-03	2.09e-03	-11.79
162	223	7.58	0.01	2.29e-04	-9.24	0.0	-0.59	7.18	0.03	0.01	-4.74e-03	5.99
		5.99	-4.74e-03	7.21e-06	0.0	59.6	-0.59	-2.06	0.03	0.01	0.01	7.42
163	4	-1.99	-8.52e-04	-1.36e-04	-17.44	0.0	-0.38	5.96	2.19e-03	6.07e-03	-1.18e-03	-2.59
		-4.24	-1.18e-03	1.82e-06	0.0	59.6	-0.38	-11.48	2.19e-03	6.07e-03	-8.52e-04	-4.24
163	17	-1.97	-1.38e-04	-1.29e-04	-14.33	0.0	-0.42	4.56	1.43e-03	5.35e-03	-1.44e-04	-2.40
		-3.95	-1.44e-04	1.22e-06	0.0	59.6	-0.42	-9.77	1.43e-03	5.35e-03	-1.38e-04	-3.95
163	19	-1.31	6.66e-04	-7.55e-05	-4.63	0.0	-0.28	0.77	5.46e-04	3.12e-03	6.66e-04	-1.34
		-2.27	5.09e-04	0.0	0.0	59.6	-0.28	-3.87	5.46e-04	3.12e-03	5.09e-04	-2.27
163	44	-0.99	-3.05e-03	-7.83e-05	-14.33	0.0	-0.26	5.52	3.04e-03	5.99e-03	-3.88e-03	-1.63
		-2.61	-3.88e-03	1.14e-06	0.0	59.6	-0.26	-8.81	3.04e-03	5.99e-03	-3.05e-03	-2.61
163	45	-0.27	-2.36e-03	-2.11e-05	-4.63	0.0	-0.13	1.83	1.88e-03	3.58e-03	-2.90e-03	-0.49
		-0.78	-2.90e-03	0.0	0.0	59.6	-0.13	-2.81	1.88e-03	3.58e-03	-2.36e-03	-0.78
163	60	-1.01	-8.86e-04	-5.63e-05	-4.63	0.0	-0.09	1.08	1.94e-03	3.76e-03	-1.44e-03	-1.08
		-1.82	-1.44e-03	1.24e-06	0.0	59.6	-0.09	-3.55	1.94e-03	3.76e-03	-8.86e-04	-1.82
163	68	-1.41	-6.60e-04	-9.55e-05	-12.00	0.0	-0.27	4.05	1.62e-03	4.45e-03	-9.11e-04	-1.82
		-2.98	-9.11e-04	1.29e-06	0.0	59.6	-0.27	-7.95	1.62e-03	4.45e-03	-6.60e-04	-2.98
163	72	-1.19	4.52e-05	-6.92e-05	-5.09	0.0	-0.23	1.12	8.82e-04	3.30e-03	3.57e-05	-1.26
		-2.11	3.57e-05	0.0	0.0	59.6	-0.23	-3.98	8.82e-04	3.30e-03	4.52e-05	-2.11

163	74	-1.40	-1.84e-04	-9.08e-05	-9.93	0.0	-0.29	3.12	1.11e-03	3.97e-03	-2.18e-04	-1.69
		-2.79	-2.18e-04	0.0	0.0	59.6	-0.29	-6.80	1.11e-03	3.97e-03	-1.84e-04	-2.79
163	85	-0.49	-1.87e-03	-3.27e-05	-5.09	0.0	-0.13	1.83	1.77e-03	3.61e-03	-2.34e-03	-0.69
		-1.12	-2.34e-03	0.0	0.0	59.6	-0.13	-3.27	1.77e-03	3.61e-03	-1.87e-03	-1.12
163	88	-0.75	-2.12e-03	-5.71e-05	-9.93	0.0	-0.19	3.76	2.18e-03	4.40e-03	-2.71e-03	-1.18
		-1.89	-2.71e-03	0.0	0.0	59.6	-0.19	-6.17	2.18e-03	4.40e-03	-2.12e-03	-1.89
163	93	-0.98	-8.85e-04	-5.64e-05	-5.09	0.0	-0.11	1.33	1.81e-03	3.73e-03	-1.37e-03	-1.08
		-1.81	-1.37e-03	1.13e-06	0.0	59.6	-0.11	-3.77	1.81e-03	3.73e-03	-8.85e-04	-1.81
163	99	-0.87	-8.38e-04	-5.20e-05	-5.09	0.0	-0.13	1.44	1.52e-03	3.53e-03	-1.18e-03	-0.99
		-1.65	-1.18e-03	0.0	0.0	59.6	-0.13	-3.65	1.52e-03	3.53e-03	-8.38e-04	-1.65
163	102	-0.91	-6.52e-04	-5.46e-05	-5.09	0.0	-0.15	1.40	1.33e-03	3.45e-03	-9.02e-04	-1.03
		-1.71	-9.02e-04	0.0	0.0	59.6	-0.15	-3.69	1.33e-03	3.45e-03	-6.52e-04	-1.71
163	103	-1.09	-8.49e-04	-7.31e-05	-9.24	0.0	-0.20	3.12	1.53e-03	4.02e-03	-1.12e-03	-1.40
		-2.29	-1.12e-03	1.04e-06	0.0	59.6	-0.20	-6.12	1.53e-03	4.02e-03	-8.49e-04	-2.29
163	104	-0.77	-1.03e-03	-4.73e-05	-5.09	0.0	-0.13	1.54	1.51e-03	3.51e-03	-1.38e-03	-0.91
		-1.51	-1.38e-03	0.0	0.0	59.6	-0.13	-3.55	1.51e-03	3.51e-03	-1.03e-03	-1.51
163	105	-0.94	-1.23e-03	-6.58e-05	-9.24	0.0	-0.18	3.26	1.71e-03	4.08e-03	-1.60e-03	-1.29
		-2.09	-1.60e-03	1.00e-06	0.0	59.6	-0.18	-5.98	1.71e-03	4.08e-03	-1.23e-03	-2.09
163	106	-0.84	-8.27e-04	-5.09e-05	-5.09	0.0	-0.13	1.47	1.45e-03	3.48e-03	-1.14e-03	-0.97
		-1.61	-1.14e-03	0.0	0.0	59.6	-0.13	-3.62	1.45e-03	3.48e-03	-8.27e-04	-1.61
163	107	-1.02	-1.02e-03	-6.94e-05	-9.24	0.0	-0.18	3.19	1.65e-03	4.06e-03	-1.35e-03	-1.34
		-2.19	-1.35e-03	1.09e-06	0.0	59.6	-0.18	-6.05	1.65e-03	4.06e-03	-1.02e-03	-2.19
163	121	0.62	-9.23e-03	2.25e-05	-9.24	0.0	2.28	2.53	0.19	0.03	-0.12	0.62
		-3.16	-0.12	2.44e-04	0.0	59.6	2.28	-6.70	0.19	0.03	-9.23e-03	-3.16
163	122	-1.19	0.12	-1.61e-04	-9.24	0.0	-2.64	3.85	-0.18	-0.02	0.12	-3.30
		-3.30	7.18e-03	-2.42e-04	0.0	59.6	-2.64	-5.39	-0.18	-0.02	7.18e-03	-1.23
163	127	4.21	-3.32e-03	8.43e-05	-9.24	0.0	-0.12	7.98	0.02	7.61e-03	-8.81e-03	2.16
		2.16	-8.81e-03	-1.62e-06	0.0	59.6	-0.12	-1.26	0.02	7.61e-03	-3.32e-03	4.16
163	128	-4.09	1.22e-03	-1.87e-04	-9.24	0.0	-0.23	-1.59	-5.38e-03	1.93e-03	1.10e-03	-4.09
		-8.55	1.10e-03	1.42e-05	0.0	59.6	-0.23	-10.82	-5.38e-03	1.93e-03	1.22e-03	-8.55
163	153	0.86	-0.01	3.39e-05	-9.24	0.0	2.60	2.46	0.21	0.03	-0.14	0.86
		-3.27	-0.14	2.77e-04	0.0	59.6	2.60	-6.78	0.21	0.03	-0.01	-3.27
163	154	-1.11	0.13	-1.73e-04	-9.24	0.0	-2.97	3.92	-0.21	-0.02	0.13	-3.55
		-3.55	8.25e-03	-2.75e-04	0.0	59.6	-2.97	-5.32	-0.21	-0.02	8.25e-03	-1.12
163	159	4.97	-3.61e-03	1.04e-04	-9.24	0.0	-0.11	8.58	0.02	8.09e-03	-9.85e-03	2.60
		2.60	-9.85e-03	-1.29e-06	0.0	59.6	-0.11	-0.66	0.02	8.09e-03	-3.61e-03	4.96
163	160	-4.44	1.50e-03	-2.02e-04	-9.24	0.0	-0.23	-2.18	-6.10e-03	1.66e-03	1.34e-03	-4.44
		-9.35	1.34e-03	1.56e-05	0.0	59.6	-0.23	-11.42	-6.10e-03	1.66e-03	1.50e-03	-9.35
163	185	0.78	-0.01	3.13e-05	-9.24	0.0	2.69	2.54	0.22	0.03	-0.14	0.78
		-3.18	-0.14	2.90e-04	0.0	59.6	2.69	-6.70	0.22	0.03	-0.01	-3.18
163	186	-1.18	0.14	-1.70e-04	-9.24	0.0	-3.06	3.84	-0.22	-0.02	0.14	-3.47
		-3.47	8.49e-03	-2.88e-04	0.0	59.6	-3.06	-5.40	-0.22	-0.02	8.49e-03	-1.20
163	191	4.86	-3.61e-03	1.01e-04	-9.24	0.0	-0.09	8.48	0.02	8.22e-03	-0.01	2.54
		2.54	-0.01	2.20e-06	0.0	59.6	-0.09	-0.75	0.02	8.22e-03	-3.61e-03	4.84
163	192	-4.42	1.43e-03	-2.01e-04	-9.24	0.0	-0.23	-2.10	-4.67e-03	1.76e-03	6.54e-04	-4.42
		-9.24	6.54e-04	1.54e-05	0.0	59.6	-0.23	-11.33	-4.67e-03	1.76e-03	1.43e-03	-9.24
163	217	1.14	-0.01	4.88e-05	-9.24	0.0	3.28	2.43	0.27	0.04	-0.17	1.14
		-3.37	-0.17	3.52e-04	0.0	59.6	3.28	-6.81	0.27	0.04	-0.01	-3.37
163	218	-1.02	0.17	-1.88e-04	-9.24	0.0	-3.65	3.95	-0.26	-0.03	0.17	-3.82
		-3.82	0.01	-3.50e-04	0.0	59.6	-3.65	-5.29	-0.26	-0.03	0.01	-1.02
163	224	-4.93	1.78e-03	-2.23e-04	-9.24	0.0	-0.23	-2.97	-4.25e-03	1.48e-03	2.00e-04	-4.93
		-10.41	2.00e-04	1.80e-05	0.0	59.6	-0.23	-12.20	-4.25e-03	1.48e-03	1.78e-03	-10.41
163	227	6.02	-2.91e-03	8.38e-05	-9.24	0.0	-0.14	9.35	7.54e-03	6.63e-03	-2.91e-03	2.24
		2.24	-3.83e-03	-1.58e-05	0.0	59.6	-0.14	0.11	7.54e-03	6.63e-03	-3.83e-03	6.02
164	4	0.33	-8.76e-04	-1.07e-04	-17.44	0.0	-0.08	4.37	8.20e-04	1.73e-03	-9.12e-04	-2.78e-06
		-2.59	-9.12e-04	1.85e-06	0.0	59.6	-0.08	-13.06	8.20e-04	1.73e-03	-8.76e-04	-2.59
164	19	-1.50e-06	8.31e-04	-5.95e-05	-4.63	0.0	-0.79	0.06	2.53e-03	9.66e-04	-4.09e-04	-1.50e-06
		-1.34	-4.09e-04	0.0	0.0	59.6	-0.79	-4.57	2.53e-03	9.66e-04	8.31e-04	-1.34
164	27	0.49	-9.42e-04	-7.94e-05	-17.44	0.0	1.18	5.38	-2.52e-03	1.69e-03	-9.42e-04	-2.08e-06
		-1.99	-2.85e-03	1.67e-06	0.0	59.6	1.18	-12.06	-2.52e-03	1.69e-03	-2.85e-03	-1.99
164	44	0.41	-9.54e-04	-6.40e-05	-14.33	0.0	1.68	4.44	-3.79e-03	1.69e-03	-9.54e-04	-1.70e-06
		-1.63	-3.59e-03	1.52e-06	0.0	59.6	1.68	-9.89	-3.79e-03	1.69e-03	-3.59e-03	-1.63
164	68	0.22	-6.65e-04	-7.51e-05	-12.00	0.0	-0.03	2.95	5.21e-04	1.28e-03	-6.65e-04	-1.96e-06
		-1.82	-6.86e-04	1.31e-06	0.0	59.6	-0.03	-9.05	5.21e-04	1.28e-03	-6.86e-04	-1.82
164	72	0.01	2.07e-04	-5.46e-05	-5.09	0.0	-0.44	0.44	1.56e-03	1.01e-03	-4.55e-04	-1.39e-06
		-1.26	-4.55e-04	0.0	0.0	59.6	-0.44	-4.66	1.56e-03	1.01e-03	2.07e-04	-1.26
164	79	0.32	-6.85e-04	-5.65e-05	-12.00	0.0	0.81	3.62	-1.71e-03	1.26e-03	-6.85e-04	-1.49e-06
		-1.42	-2.00e-03	1.20e-06	0.0	59.6	0.81	-8.38	-1.71e-03	1.26e-03	-2.00e-03	-1.42
164	88	0.27	-6.93e-04	-4.63e-05	-9.93	0.0	1.14	2.99	-2.55e-03	1.25e-03	-6.93e-04	-1.23e-06
		-1.18	-2.50e-03	1.10e-06	0.0	59.6	1.14	-6.94	-2.55e-03	1.25e-03	-2.50e-03	-1.18
164	98	0.20	-6.17e-04	-5.70e-05	-9.93	0.0	0.29	2.61	-4.54e-04	1.20e-03	-6.17e-04	-1.50e-06
		-1.40	-1.18e-03	1.24e-06	0.0	59.6	0.29	-7.32	-4.54e-04	1.20e-03	-1.18e-03	-1.40
164	102	0.04	-5.01e-04	-4.33e-05	-5.09	0.0	0.09	0.82	5.22e-05	1.05e-03	-5.01e-04	-1.12e-06
		-1.03	-7.28e-04	0.0	0.0	59.6	0.09	-4.27	5.22e-05	1.05e-03	-7.28e-04	-1.03
164	105	0.19	-6.10e-04	-5.18e-05	-9.24	0.0	0.44	2.46	-8.35e-04	1.18e-03	-6.10e-04	-1.37e-06

		-1.29	-1.39e-03	1.13e-06	0.0	59.6	0.44	-6.77	-8.35e-04	1.18e-03	-1.39e-03	-1.29
164	106	0.05	-5.12e-04	-4.05e-05	-5.09	0.0	0.22	0.92	-3.25e-04	1.06e-03	-5.12e-04	-1.05e-06
		-0.97	-9.61e-04	0.0	0.0	59.6	0.22	-4.18	-3.25e-04	1.06e-03	-9.61e-04	-0.97
164	107	0.18	-6.02e-04	-5.46e-05	-9.24	0.0	0.28	2.37	-4.36e-04	1.18e-03	-6.02e-04	-1.43e-06
		-1.34	-1.15e-03	1.19e-06	0.0	59.6	0.28	-6.87	-4.36e-04	1.18e-03	-1.15e-03	-1.34
164	121	1.03	-4.31e-03	-1.20e-05	-9.24	0.0	4.24	5.66	-0.19	0.01	-4.31e-03	0.0
		0.0	-0.12	2.55e-04	0.0	59.6	4.24	-3.58	-0.19	0.01	-0.12	0.62
164	122	-2.38e-06	0.12	-1.16e-04	-9.24	0.0	-3.68	-0.93	0.19	-0.01	3.10e-03	-2.38e-06
		-3.30	3.10e-03	-2.53e-04	0.0	59.6	-3.68	-10.16	0.19	-0.01	0.12	-3.30
164	129	2.20	-2.95e-03	4.96e-05	-9.24	0.0	2.44	8.26	-0.11	0.01	-2.95e-03	0.0
		0.0	-0.07	1.51e-04	0.0	59.6	2.44	-0.98	-0.11	0.01	-0.07	2.17
164	130	-3.07e-06	0.06	-1.59e-04	-9.24	0.0	-1.88	-3.53	0.11	-0.01	1.75e-03	-3.07e-06
		-4.86	1.75e-03	-1.49e-04	0.0	59.6	-1.88	-12.76	0.11	-0.01	0.06	-4.86
164	153	1.18	-4.79e-03	1.47e-05	-9.24	0.0	4.76	6.06	-0.21	0.02	-4.79e-03	0.0
		0.0	-0.13	2.89e-04	0.0	59.6	4.76	-3.17	-0.21	0.02	-0.13	0.86
164	154	-2.50e-06	0.13	-1.24e-04	-9.24	0.0	-4.20	-1.33	0.21	-0.01	3.59e-03	-2.50e-06
		-3.55	3.59e-03	-2.86e-04	0.0	59.6	-4.20	-10.57	0.21	-0.01	0.13	-3.55
164	161	2.61	-3.26e-03	6.26e-05	-9.24	0.0	2.73	8.99	-0.12	0.01	-3.26e-03	0.0
		0.0	-0.07	1.72e-04	0.0	59.6	2.73	-0.24	-0.12	0.01	-0.07	2.61
164	162	-3.27e-06	0.07	-1.72e-04	-9.24	0.0	-2.17	-4.26	0.12	-0.01	2.05e-03	-3.27e-06
		-5.29	2.05e-03	-1.69e-04	0.0	59.6	-2.17	-13.50	0.12	-0.01	0.07	-5.29
164	185	1.13	-4.89e-03	1.30e-05	-9.24	0.0	4.91	5.93	-0.22	0.02	-4.89e-03	0.0
		0.0	-0.14	3.03e-04	0.0	59.6	4.91	-3.31	-0.22	0.02	-0.14	0.78
164	186	-2.47e-06	0.14	-1.22e-04	-9.24	0.0	-4.35	-1.20	0.22	-0.01	3.69e-03	-2.47e-06
		-3.47	3.69e-03	-3.01e-04	0.0	59.6	-4.35	-10.43	0.22	-0.01	0.14	-3.47
164	193	2.56	-3.31e-03	6.14e-05	-9.24	0.0	2.82	8.90	-0.12	0.01	-3.31e-03	0.0
		0.0	-0.08	1.81e-04	0.0	59.6	2.82	-0.33	-0.12	0.01	-0.08	2.56
164	194	-3.25e-06	0.07	-1.71e-04	-9.24	0.0	-2.26	-4.17	0.12	-0.01	2.11e-03	-3.25e-06
		-5.24	2.11e-03	-1.79e-04	0.0	59.6	-2.26	-13.41	0.12	-0.01	0.07	-5.24
164	217	1.37	-5.77e-03	2.47e-05	-9.24	0.0	5.86	6.52	-0.27	0.02	-5.77e-03	0.0
		0.0	-0.17	3.68e-04	0.0	59.6	5.86	-2.71	-0.27	0.02	-0.17	1.14
164	218	-2.64e-06	0.16	-1.34e-04	-9.24	0.0	-5.29	-1.79	0.27	-0.02	4.56e-03	-2.64e-06
		-3.82	4.56e-03	-3.66e-04	0.0	59.6	-5.29	-11.03	0.27	-0.02	0.16	-3.82
164	225	3.20	-3.85e-03	8.08e-05	-9.24	0.0	3.34	9.99	-0.15	0.02	-3.85e-03	0.0
		0.0	-0.09	2.21e-04	0.0	59.6	3.34	0.76	-0.15	0.02	-0.09	3.20
164	226	-3.55e-06	0.09	-1.90e-04	-9.24	0.0	-2.78	-5.26	0.15	-0.01	2.65e-03	-3.55e-06
		-5.89	2.65e-03	-2.18e-04	0.0	59.6	-2.78	-14.50	0.15	-0.01	0.09	-5.89
165	7	0.21	-3.17e-04	1.48e-05	-13.49	0.0	2.25	10.26	5.05e-03	-7.34e-03	-3.57e-03	-1.89
		-1.89	-3.57e-03	1.28e-06	0.0	53.6	2.25	-3.23	5.05e-03	-7.34e-03	-3.17e-04	-1.14e-06
165	18	0.15	-5.56e-04	1.44e-05	-12.90	0.0	3.19	10.22	7.73e-03	-0.01	-5.67e-03	-2.03
		-2.03	-5.67e-03	1.23e-06	0.0	53.6	3.19	-2.67	7.73e-03	-0.01	-5.56e-04	-1.21e-06
165	28	0.12	3.49e-04	4.20e-05	-15.69	0.0	0.65	12.99	4.41e-04	5.52e-03	3.49e-04	-2.76
		-2.76	9.35e-05	2.35e-06	0.0	53.6	0.65	-2.70	4.41e-04	5.52e-03	9.35e-05	-2.10e-06
165	45	-1.27e-06	2.23e-03	3.31e-05	-4.17	0.0	-0.88	4.50	-2.41e-03	7.83e-03	2.23e-03	-1.30
		-1.30	2.96e-04	0.0	0.0	53.6	-0.88	0.33	-2.41e-03	7.83e-03	2.96e-04	-1.27e-06
165	67	0.13	-2.28e-04	1.62e-05	-10.80	0.0	1.75	8.49	3.88e-03	-4.63e-03	-2.64e-03	-1.66
		-1.66	-2.64e-03	1.25e-06	0.0	53.6	1.75	-2.30	3.88e-03	-4.63e-03	-2.28e-04	-1.08e-06
165	75	0.09	-3.73e-04	1.15e-05	-8.93	0.0	2.19	7.18	5.30e-03	-8.45e-03	-3.86e-03	-1.45
		-1.45	-3.86e-03	0.0	0.0	53.6	2.19	-1.75	5.30e-03	-8.45e-03	-3.73e-04	0.0
165	80	0.08	1.60e-04	3.00e-05	-10.80	0.0	0.50	9.03	4.45e-04	3.78e-03	1.60e-04	-1.95
		-1.95	6.02e-05	1.66e-06	0.0	53.6	0.50	-1.77	4.45e-04	3.78e-03	6.02e-05	-1.49e-06
165	85	-1.16e-06	1.23e-03	2.84e-05	-4.58	0.0	-0.34	4.65	-1.10e-03	5.49e-03	1.23e-03	-1.27
		-1.27	1.81e-04	0.0	0.0	53.6	-0.34	0.07	-1.10e-03	5.49e-03	1.81e-04	-1.16e-06
165	98	0.07	-4.46e-05	2.12e-05	-8.93	0.0	0.93	7.38	1.68e-03	9.24e-04	-8.36e-04	-1.56
		-1.56	-8.36e-04	1.48e-06	0.0	53.6	0.93	-1.55	1.68e-03	9.24e-04	-4.46e-05	-1.14e-06
165	103	0.07	-1.04e-04	1.86e-05	-8.31	0.0	1.13	6.88	2.34e-03	-9.65e-04	-1.40e-03	-1.46
		-1.46	-1.40e-03	1.28e-06	0.0	53.6	1.13	-1.43	2.34e-03	-9.65e-04	-1.04e-04	-1.04e-06
165	104	1.74e-03	4.18e-06	2.00e-05	-4.58	0.0	0.47	4.39	9.09e-04	1.73e-03	-3.20e-04	-1.12
		-1.12	-3.20e-04	1.01e-06	0.0	53.6	0.47	-0.20	9.09e-04	1.73e-03	4.18e-06	0.0
165	106	3.97e-03	-4.01e-05	1.79e-05	-4.58	0.0	0.67	4.32	1.41e-03	7.88e-04	-7.07e-04	-1.09
		-1.09	-7.07e-04	1.06e-06	0.0	53.6	0.67	-0.26	1.41e-03	7.88e-04	-4.01e-05	0.0
165	107	0.06	-4.39e-05	2.07e-05	-8.31	0.0	0.89	6.95	1.64e-03	9.04e-04	-8.18e-04	-1.50
		-1.50	-8.18e-04	1.42e-06	0.0	53.6	0.89	-1.36	1.64e-03	9.04e-04	-4.39e-05	-1.10e-06
165	108	-1.33e-06	-0.02	-1.01e-05	-8.31	0.0	4.03	8.25	0.22	-0.02	-0.13	-2.19
		-2.19	-0.13	8.76e-05	0.0	53.6	4.03	-0.06	0.22	-0.02	-0.02	-1.33e-06
165	111	0.23	0.13	4.02e-05	-8.31	0.0	-2.25	5.64	-0.22	0.02	0.13	-0.80
		-0.80	0.02	-8.47e-05	0.0	53.6	-2.25	-2.67	-0.22	0.02	0.02	0.0
165	133	-2.23e-06	3.31e-03	8.37e-05	-8.31	0.0	0.62	10.67	-4.83e-03	1.97e-03	3.31e-03	-3.50
		-3.50	5.92e-04	1.74e-05	0.0	53.6	0.62	2.36	-4.83e-03	1.97e-03	5.92e-04	-2.23e-06
165	134	0.84	-6.80e-04	-4.24e-05	-8.31	0.0	1.16	3.22	8.11e-03	-1.60e-04	-4.95e-03	0.50
		0.0	-4.95e-03	-1.46e-05	0.0	53.6	1.16	-5.09	8.11e-03	-1.60e-04	-6.80e-04	0.0
165	140	-1.36e-06	-0.02	-1.13e-05	-8.31	0.0	4.42	8.41	0.25	-0.02	-0.15	-2.28
		-2.28	-0.15	9.93e-05	0.0	53.6	4.42	0.10	0.25	-0.02	-0.02	-1.36e-06
165	143	0.26	0.15	4.26e-05	-8.31	0.0	-2.64	5.48	-0.24	0.02	0.15	-0.71
		-0.71	0.02	-9.64e-05	0.0	53.6	-2.64	-2.83	-0.24	0.02	0.02	0.0

165	165	-2.37e-06	3.68e-03	9.15e-05	-8.31	0.0	0.59	11.14	-5.40e-03	2.08e-03	3.68e-03	-3.75
		-3.75	6.54e-04	2.03e-05	0.0	53.6	0.59	2.83	-5.40e-03	2.08e-03	6.54e-04	-2.37e-06
165	166	1.00	-7.42e-04	-5.00e-05	-8.31	0.0	1.19	2.75	8.68e-03	-2.74e-04	-5.32e-03	0.75
		0.0	-5.32e-03	-1.75e-05	0.0	53.6	1.19	-5.56	8.68e-03	-2.74e-04	-7.42e-04	0.0
165	172	-1.35e-06	-0.02	-1.00e-05	-8.31	0.0	4.22	8.43	0.23	-0.02	-0.14	-2.29
		-2.29	-0.14	1.20e-04	0.0	53.6	4.22	0.12	0.23	-0.02	-0.02	-1.35e-06
165	175	0.26	0.14	4.00e-05	-8.31	0.0	-2.44	5.46	-0.23	0.02	0.14	-0.70
		-0.70	0.02	-1.17e-04	0.0	53.6	-2.44	-2.85	-0.23	0.02	0.02	0.0
165	201	-2.36e-06	0.02	9.21e-05	-8.31	0.0	0.52	11.07	-0.03	2.38e-03	0.02	-3.71
		-3.71	2.44e-03	4.87e-05	0.0	53.6	0.52	2.76	-0.03	2.38e-03	2.44e-03	-2.36e-06
165	202	0.97	-2.53e-03	-5.06e-05	-8.31	0.0	1.26	2.82	0.04	-5.68e-04	-0.02	0.72
		0.0	-0.02	-4.59e-05	0.0	53.6	1.26	-5.49	0.04	-5.68e-04	-2.53e-03	0.0
165	204	-1.39e-06	-0.02	-1.08e-05	-8.31	0.0	4.69	8.71	0.27	-0.02	-0.17	-2.44
		-2.44	-0.17	1.53e-04	0.0	53.6	4.69	0.40	0.27	-0.02	-0.02	-1.39e-06
165	207	0.32	0.16	4.18e-05	-8.31	0.0	-2.91	5.19	-0.26	0.02	0.16	-0.55
		-0.55	0.02	-1.50e-04	0.0	53.6	-2.91	-3.12	-0.26	0.02	0.02	0.0
165	233	-2.57e-06	0.02	1.04e-04	-8.31	0.0	0.50	11.77	-0.04	2.43e-03	0.02	-4.08
		-4.08	2.81e-03	6.78e-05	0.0	53.6	0.50	3.45	-0.04	2.43e-03	2.81e-03	-2.57e-06
165	234	1.23	-2.90e-03	-6.25e-05	-8.31	0.0	1.28	2.13	0.04	-6.26e-04	-0.03	1.09
		0.0	-0.03	-6.49e-05	0.0	53.6	1.28	-6.18	0.04	-6.26e-04	-2.90e-03	0.0
166	18	-1.77	1.90e-03	3.13e-05	-12.90	0.0	1.38	9.35	-0.02	-0.02	1.90e-03	-3.58
		-3.58	-6.39e-03	2.07e-06	0.0	53.6	1.38	-3.54	-0.02	-0.02	-6.39e-03	-2.03
166	19	-0.69	1.86e-03	7.36e-06	-4.17	0.0	0.87	3.17	-0.02	-0.02	1.86e-03	-1.34
		-1.34	-5.76e-03	0.0	0.0	53.6	0.87	-0.99	-0.02	-0.02	-5.76e-03	-0.76
166	28	-2.52	6.30e-04	6.53e-05	-15.69	0.0	0.70	11.96	2.84e-03	5.72e-03	-3.06e-04	-4.97
		-4.97	-3.06e-04	2.21e-06	0.0	53.6	0.70	-3.73	2.84e-03	5.72e-03	6.30e-04	-2.76
166	45	-1.30	2.65e-03	4.35e-05	-4.17	0.0	-0.18	4.17	7.92e-03	0.01	-5.70e-04	-2.41
		-2.41	-5.70e-04	0.0	0.0	53.6	-0.18	-3.56e-03	7.92e-03	0.01	2.65e-03	-1.30
166	72	-0.86	1.21e-03	1.46e-05	-4.58	0.0	0.75	3.64	-0.01	-0.01	1.21e-03	-1.63
		-1.63	-4.09e-03	0.0	0.0	53.6	0.75	-0.95	-0.01	-0.01	-4.09e-03	-0.91
166	75	-1.29	1.26e-03	2.37e-05	-8.93	0.0	0.97	6.57	-0.01	-0.01	1.26e-03	-2.58
		-2.58	-4.33e-03	1.49e-06	0.0	53.6	0.97	-2.36	-0.01	-0.01	-4.33e-03	-1.45
166	80	-1.79	3.52e-04	4.63e-05	-10.80	0.0	0.51	8.30	1.80e-03	3.87e-03	-2.19e-04	-3.50
		-3.50	-2.19e-04	1.58e-06	0.0	53.6	0.51	-2.49	1.80e-03	3.87e-03	3.52e-04	-1.95
166	85	-1.26	1.52e-03	3.87e-05	-4.58	0.0	0.05	4.30	4.88e-03	6.79e-03	-4.09e-04	-2.34
		-2.34	-4.09e-04	0.0	0.0	53.6	0.05	-0.29	4.88e-03	6.79e-03	1.52e-03	-1.27
166	98	-1.43	-3.85e-05	3.46e-05	-8.93	0.0	0.63	6.78	-1.40e-03	1.04e-04	-3.85e-05	-2.81
		-2.81	-7.97e-04	1.56e-06	0.0	53.6	0.63	-2.15	-1.40e-03	1.04e-04	-7.97e-04	-1.56
166	102	-1.03	1.70e-04	2.43e-05	-4.58	0.0	0.51	3.90	-3.29e-03	-2.30e-03	1.70e-04	-1.92
		-1.92	-1.36e-03	1.08e-06	0.0	53.6	0.51	-0.68	-3.29e-03	-2.30e-03	-1.36e-03	-1.05
166	103	-1.33	2.15e-04	3.10e-05	-8.31	0.0	0.67	6.31	-3.60e-03	-2.45e-03	2.15e-04	-2.62
		-2.62	-1.46e-03	1.46e-06	0.0	53.6	0.67	-2.00	-3.60e-03	-2.45e-03	-1.46e-03	-1.46
166	104	-1.11	-1.55e-04	2.91e-05	-4.58	0.0	0.37	4.03	1.45e-04	1.58e-03	-1.55e-04	-2.06
		-2.06	-2.34e-04	1.02e-06	0.0	53.6	0.37	-0.55	1.45e-04	1.58e-03	-2.34e-04	-1.12
166	106	-1.07	-9.16e-05	2.67e-05	-4.58	0.0	0.45	3.97	-1.04e-03	2.82e-04	-9.16e-05	-1.99
		-1.99	-6.72e-04	1.12e-06	0.0	53.6	0.45	-0.62	-1.04e-03	2.82e-04	-6.72e-04	-1.09
166	107	-1.38	-4.61e-05	3.34e-05	-8.31	0.0	0.61	6.38	-1.35e-03	1.29e-04	-4.61e-05	-2.69
		-2.69	-7.79e-04	1.50e-06	0.0	53.6	0.61	-1.93	-1.35e-03	1.29e-04	-7.79e-04	-1.50
166	108	-2.16	-9.76e-03	4.09e-05	-8.31	0.0	2.56	7.35	-0.24	-0.03	-9.76e-03	-3.90
		-3.90	-0.14	9.12e-05	0.0	53.6	2.56	-0.96	-0.24	-0.03	-0.14	-2.19
166	111	-0.53	0.14	2.59e-05	-8.31	0.0	-1.35	5.41	0.23	0.03	9.67e-03	-1.48
		-1.48	9.67e-03	-8.82e-05	0.0	53.6	-1.35	-2.90	0.23	0.03	0.14	-0.80
166	133	-3.50	3.49e-03	1.04e-04	-8.31	0.0	0.52	10.15	9.19e-03	1.58e-03	5.66e-04	-6.71
		-6.71	5.66e-04	1.86e-05	0.0	53.6	0.52	1.84	9.19e-03	1.58e-03	3.49e-03	-3.50
166	134	1.55	-6.58e-04	-3.78e-05	-8.31	0.0	0.69	2.61	-0.01	-1.32e-03	-6.58e-04	1.33
		0.50	-5.05e-03	-1.56e-05	0.0	53.6	0.69	-5.70	-0.01	-1.32e-03	-5.05e-03	0.50
166	140	-2.26	-0.01	4.19e-05	-8.31	0.0	2.81	7.47	-0.27	-0.03	-0.01	-4.05
		-4.05	-0.15	1.03e-04	0.0	53.6	2.81	-0.84	-0.27	-0.03	-0.15	-2.28
166	143	-0.42	0.15	2.49e-05	-8.31	0.0	-1.60	5.29	0.26	0.03	0.01	-1.33
		-1.33	0.01	-1.00e-04	0.0	53.6	-1.60	-3.02	0.26	0.03	0.15	-0.71
166	165	-3.75	3.87e-03	1.12e-04	-8.31	0.0	0.51	10.62	0.01	1.72e-03	6.33e-04	-7.21
		-7.21	6.33e-04	2.16e-05	0.0	53.6	0.51	2.31	0.01	1.72e-03	3.87e-03	-3.75
166	166	1.98	-7.25e-04	-4.58e-05	-8.31	0.0	0.70	2.14	-0.01	-1.46e-03	-7.25e-04	1.83
		0.75	-5.43e-03	-1.86e-05	0.0	53.6	0.70	-6.17	-0.01	-1.46e-03	-5.43e-03	0.75
166	172	-2.27	-0.01	4.28e-05	-8.31	0.0	2.69	7.48	-0.25	-0.03	-0.01	-4.07
		-4.07	-0.15	1.24e-04	0.0	53.6	2.69	-0.83	-0.25	-0.03	-0.15	-2.29
166	175	-0.41	0.15	2.41e-05	-8.31	0.0	-1.48	5.28	0.25	0.03	0.01	-1.31
		-1.31	0.01	-1.21e-04	0.0	53.6	-1.48	-3.03	0.25	0.03	0.15	-0.70
166	193	-3.63	0.04	1.24e-04	-8.31	0.0	-0.23	10.80	0.06	0.01	5.13e-03	-7.19
		-7.19	5.13e-03	5.75e-05	0.0	53.6	-0.23	2.49	0.06	0.01	0.04	-3.63
166	194	1.94	-5.22e-03	-5.73e-05	-8.31	0.0	1.44	1.96	-0.06	-0.01	-5.22e-03	1.81
		0.64	-0.04	-5.45e-05	0.0	53.6	1.44	-6.35	-0.06	-0.01	-0.04	0.64
166	204	-2.43	-0.01	4.50e-05	-8.31	0.0	2.98	7.68	-0.29	-0.03	-0.01	-4.32
		-4.32	-0.17	1.58e-04	0.0	53.6	2.98	-0.63	-0.29	-0.03	-0.17	-2.44
166	207	-0.22	0.17	2.18e-05	-8.31	0.0	-1.77	5.08	0.29	0.03	0.01	-1.06

		-1.06	0.01	-1.55e-04	0.0	53.6	-1.77	-3.23	0.29	0.03	0.17	-0.55
166	225	-4.01	0.04	1.40e-04	-8.31	0.0	-0.37	11.57	0.07	0.01	5.95e-03	-7.99
		-7.99	5.95e-03	7.05e-05	0.0	53.6	-0.37	3.26	0.07	0.01	0.04	-4.01
166	226	2.65	-6.05e-03	-7.31e-05	-8.31	0.0	1.58	1.18	-0.07	-0.01	-6.05e-03	2.61
		1.02	-0.04	-6.75e-05	0.0	53.6	1.58	-7.13	-0.07	-0.01	-0.04	1.02
167	4	-3.77	6.57e-03	8.40e-05	-15.69	0.0	1.13	9.99	-0.01	-0.02	6.57e-03	-5.48
		-5.48	4.83e-04	2.59e-06	0.0	53.6	1.13	-5.70	-0.01	-0.02	4.83e-04	-4.33
167	16	-2.19	0.01	4.13e-05	-6.37	0.0	0.78	4.38	-0.02	-0.02	0.01	-2.99
		-2.99	7.56e-04	1.62e-06	0.0	53.6	0.78	-1.99	-0.02	-0.02	7.56e-04	-2.36
167	19	-1.21	9.84e-03	1.98e-05	-4.17	0.0	0.54	2.74	-0.02	-0.02	9.84e-03	-1.69
		-1.69	8.08e-04	0.0	0.0	53.6	0.54	-1.43	-0.02	-0.02	8.08e-04	-1.34
167	28	-4.50	-1.89e-05	1.12e-04	-15.69	0.0	0.89	10.47	4.39e-03	4.60e-03	-1.84e-03	-6.38
		-6.38	-1.84e-03	2.12e-06	0.0	53.6	0.89	-5.22	4.39e-03	4.60e-03	-1.89e-05	-4.97
167	45	-2.39	-2.83e-05	6.64e-05	-4.17	0.0	0.14	3.54	9.87e-03	0.01	-4.17e-03	-3.19
		-3.19	-4.17e-03	0.0	0.0	53.6	0.14	-0.63	9.87e-03	0.01	-2.83e-05	-2.41
167	47	-3.36	3.30e-05	8.97e-05	-10.69	0.0	0.41	7.36	0.01	9.79e-03	-4.31e-03	-4.72
		-4.72	-4.31e-03	0.0	0.0	53.6	0.41	-3.34	0.01	9.79e-03	3.30e-05	-3.64
167	68	-2.71	4.52e-03	6.06e-05	-10.80	0.0	0.80	6.94	-9.81e-03	-0.01	4.52e-03	-3.91
		-3.91	3.08e-04	1.84e-06	0.0	53.6	0.80	-3.85	-9.81e-03	-0.01	3.08e-04	-3.08
167	72	-1.51	6.92e-03	2.97e-05	-4.58	0.0	0.53	3.13	-0.01	-0.01	6.92e-03	-2.08
		-2.08	5.08e-04	1.04e-06	0.0	53.6	0.53	-1.46	-0.01	-0.01	5.08e-04	-1.63
167	73	-1.65	6.99e-03	3.21e-05	-4.58	0.0	0.56	3.20	-0.02	-0.02	6.99e-03	-2.25
		-2.25	4.91e-04	1.19e-06	0.0	53.6	0.56	-1.38	-0.02	-0.02	4.91e-04	-1.76
167	80	-3.20	-2.60e-05	7.93e-05	-10.80	0.0	0.64	7.26	2.63e-03	3.07e-03	-1.09e-03	-4.51
		-4.51	-1.09e-03	1.53e-06	0.0	53.6	0.64	-3.53	2.63e-03	3.07e-03	-2.60e-05	-3.50
167	85	-2.29	-4.93e-05	6.08e-05	-4.58	0.0	0.26	3.67	5.83e-03	6.92e-03	-2.43e-03	-3.08
		-3.08	-2.43e-03	0.0	0.0	53.6	0.26	-0.92	5.83e-03	6.92e-03	-4.93e-05	-2.34
167	87	-2.94	-8.34e-06	7.64e-05	-8.93	0.0	0.44	6.21	5.99e-03	6.35e-03	-2.52e-03	-4.10
		-4.10	-2.52e-03	0.0	0.0	53.6	0.44	-2.72	5.99e-03	6.35e-03	-8.34e-06	-3.16
167	98	-2.54	9.69e-04	6.09e-05	-8.93	0.0	0.64	5.94	-2.08e-03	-9.59e-04	9.69e-04	-3.60
		-3.60	-5.28e-05	1.57e-06	0.0	53.6	0.64	-2.99	-2.08e-03	-9.59e-04	-5.28e-05	-2.81
167	99	-1.96	1.09e-03	4.63e-05	-4.58	0.0	0.47	3.43	-2.33e-03	-4.28e-04	1.09e-03	-2.65
		-2.65	-1.01e-04	1.20e-06	0.0	53.6	0.47	-1.16	-2.33e-03	-4.28e-04	-1.01e-04	-2.04
167	102	-1.83	2.23e-03	4.22e-05	-4.58	0.0	0.47	3.35	-4.78e-03	-3.29e-03	2.23e-03	-2.48
		-2.48	2.66e-05	1.12e-06	0.0	53.6	0.47	-1.24	-4.78e-03	-3.29e-03	2.66e-05	-1.92
167	104	-1.98	3.62e-04	4.85e-05	-4.58	0.0	0.42	3.45	-6.32e-04	1.08e-03	3.62e-04	-2.68
		-2.68	-8.49e-05	1.01e-06	0.0	53.6	0.42	-1.13	-6.32e-04	1.08e-03	-8.49e-05	-2.06
167	106	-1.91	1.06e-03	4.54e-05	-4.58	0.0	0.46	3.40	-2.25e-03	-3.84e-04	1.06e-03	-2.58
		-2.58	-9.38e-05	1.14e-06	0.0	53.6	0.46	-1.18	-2.25e-03	-3.84e-04	-9.38e-05	-1.99
167	107	-2.45	9.82e-04	5.87e-05	-8.31	0.0	0.62	5.58	-2.11e-03	-8.77e-04	9.82e-04	-3.45
		-3.45	-5.87e-05	1.51e-06	0.0	53.6	0.62	-2.73	-2.11e-03	-8.77e-04	-5.87e-05	-2.69
167	108	-3.74	0.02	8.52e-05	-8.31	0.0	1.74	6.18	-0.07	-0.03	0.02	-4.96
		-4.96	-0.02	8.12e-05	0.0	53.6	1.74	-2.13	-0.07	-0.03	-0.02	-3.90
167	111	-1.14	0.02	3.22e-05	-8.31	0.0	-0.51	4.98	0.07	0.03	-0.02	-1.95
		-1.95	-0.02	-7.82e-05	0.0	53.6	-0.51	-3.33	0.07	0.03	0.02	-1.48
167	129	-6.68	7.31e-03	1.81e-04	-8.31	0.0	0.23	9.22	0.03	0.01	-9.84e-03	-9.39
		-9.39	-9.84e-03	4.47e-05	0.0	53.6	0.23	0.91	0.03	0.01	7.31e-03	-6.68
167	130	2.61	0.01	-6.33e-05	-8.31	0.0	1.00	1.94	-0.04	-0.01	0.01	2.49
		1.30	-7.43e-03	-4.17e-05	0.0	53.6	1.00	-6.37	-0.04	-0.01	-7.43e-03	1.30
167	140	-3.91	0.02	8.86e-05	-8.31	0.0	1.88	6.25	-0.08	-0.03	0.02	-5.15
		-5.15	-0.02	9.21e-05	0.0	53.6	1.88	-2.06	-0.08	-0.03	-0.02	-4.05
167	143	-0.97	0.02	2.88e-05	-8.31	0.0	-0.65	4.91	0.07	0.03	-0.02	-1.76
		-1.76	-0.02	-8.91e-05	0.0	53.6	-0.65	-3.40	0.07	0.03	0.02	-1.33
167	161	-7.19	8.25e-03	1.96e-04	-8.31	0.0	0.18	9.68	0.04	0.01	-0.01	-10.15
		-10.15	-0.01	5.09e-05	0.0	53.6	0.18	1.37	0.04	0.01	8.25e-03	-7.19
167	162	3.31	0.01	-7.87e-05	-8.31	0.0	1.05	1.48	-0.04	-0.01	0.01	3.24
		1.81	-8.36e-03	-4.79e-05	0.0	53.6	1.05	-6.83	-0.04	-0.01	-8.36e-03	1.81
167	172	-3.92	0.02	8.89e-05	-8.31	0.0	1.81	6.24	-0.07	-0.03	0.02	-5.16
		-5.16	-0.02	1.13e-04	0.0	53.6	1.81	-2.07	-0.07	-0.03	-0.02	-4.07
167	175	-0.95	0.02	2.85e-05	-8.31	0.0	-0.58	4.92	0.07	0.03	-0.02	-1.75
		-1.75	-0.02	-1.10e-04	0.0	53.6	-0.58	-3.39	0.07	0.03	0.02	-1.31
167	193	-7.19	8.33e-03	1.96e-04	-8.31	0.0	0.17	9.66	0.04	0.01	-0.01	-10.14
		-10.14	-0.01	5.68e-05	0.0	53.6	0.17	1.35	0.04	0.01	8.33e-03	-7.19
167	194	3.30	0.01	-7.86e-05	-8.31	0.0	1.06	1.50	-0.04	-0.01	0.01	3.23
		1.81	-8.44e-03	-5.38e-05	0.0	53.6	1.06	-6.81	-0.04	-0.01	-8.44e-03	1.81
167	204	-4.19	0.03	9.45e-05	-8.31	0.0	1.98	6.36	-0.08	-0.03	0.03	-5.48
		-5.48	-0.02	1.45e-04	0.0	53.6	1.98	-1.95	-0.08	-0.03	-0.02	-4.32
167	207	-0.67	0.02	2.29e-05	-8.31	0.0	-0.75	4.80	0.08	0.03	-0.02	-1.43
		-1.43	-0.02	-1.42e-04	0.0	53.6	-0.75	-3.51	0.08	0.03	0.02	-1.06
167	225	-7.99	9.74e-03	2.20e-04	-8.31	0.0	0.10	10.36	0.04	0.01	-0.01	-11.31
		-11.31	-0.01	7.00e-05	0.0	53.6	0.10	2.05	0.04	0.01	9.74e-03	-7.99
167	226	4.42	0.02	-1.03e-04	-8.31	0.0	1.14	0.80	-0.05	-0.02	0.02	4.40
		2.61	-9.86e-03	-6.70e-05	0.0	53.6	1.14	-7.51	-0.05	-0.02	-9.86e-03	2.61
168	4	-4.52	5.86e-03	1.38e-04	-15.69	0.0	2.94	8.22	0.01	-0.02	-2.43e-03	-5.68
		-5.68	-2.43e-03	2.22e-06	0.0	53.6	2.94	-7.47	0.01	-0.02	5.86e-03	-5.48

168	16	-2.63	9.23e-03	7.04e-05	-6.37	0.0	2.02	3.42	0.02	-0.02	-4.43e-03	-3.12
		-3.12	-4.43e-03	1.02e-06	0.0	53.6	2.02	-2.95	0.02	-0.02	9.23e-03	-2.99
168	19	-1.44	8.81e-03	3.60e-05	-4.17	0.0	1.38	2.20	0.02	-0.02	-3.86e-03	-1.75
		-1.75	-3.86e-03	0.0	0.0	53.6	1.38	-1.97	0.02	-0.02	8.81e-03	-1.69
168	28	-5.48	6.84e-04	1.76e-04	-15.69	0.0	2.52	8.46	-3.87e-03	2.31e-03	6.84e-04	-6.70
		-6.70	-1.64e-03	2.22e-06	0.0	53.6	2.52	-7.24	-3.87e-03	2.31e-03	-1.64e-03	-6.38
168	45	-3.03	1.32e-03	9.90e-05	-4.17	0.0	0.67	2.59	-7.75e-03	9.24e-03	1.32e-03	-3.47
		-3.47	-3.68e-03	0.0	0.0	53.6	0.67	-1.58	-7.75e-03	9.24e-03	-3.68e-03	-3.19
168	68	-3.26	4.05e-03	9.91e-05	-10.80	0.0	2.08	5.69	9.37e-03	-0.01	-1.87e-03	-4.06
		-4.06	-1.87e-03	1.57e-06	0.0	53.6	2.08	-5.11	9.37e-03	-0.01	4.05e-03	-3.91
168	72	-1.82	6.22e-03	5.01e-05	-4.58	0.0	1.37	2.48	0.02	-0.01	-3.11e-03	-2.18
		-2.18	-3.11e-03	0.0	0.0	53.6	1.37	-2.11	0.02	-0.01	6.22e-03	-2.08
168	73	-1.99	6.29e-03	5.41e-05	-4.58	0.0	1.46	2.49	0.02	-0.01	-3.21e-03	-2.36
		-2.36	-3.21e-03	0.0	0.0	53.6	1.46	-2.09	0.02	-0.01	6.29e-03	-2.25
168	80	-3.90	2.01e-04	1.24e-04	-10.80	0.0	1.80	5.84	-1.83e-03	1.49e-03	2.01e-04	-4.75
		-4.75	-9.50e-04	1.57e-06	0.0	53.6	1.80	-4.95	-1.83e-03	1.49e-03	-9.50e-04	-4.51
168	85	-2.88	3.44e-04	9.20e-05	-4.58	0.0	0.89	2.74	-3.54e-03	5.74e-03	3.44e-04	-3.32
		-3.32	-2.10e-03	0.0	0.0	53.6	0.89	-1.84	-3.54e-03	5.74e-03	-2.10e-03	-3.08
168	98	-3.09	9.24e-04	9.68e-05	-8.93	0.0	1.68	4.81	3.67e-03	-1.99e-03	-1.16e-03	-3.78
		-3.78	-1.16e-03	1.48e-06	0.0	53.6	1.68	-4.12	3.67e-03	-1.99e-03	9.24e-04	-3.60
168	102	-2.25	2.08e-03	6.69e-05	-4.58	0.0	1.24	2.58	7.10e-03	-3.70e-03	-1.98e-03	-2.64
		-2.64	-1.98e-03	0.0	0.0	53.6	1.24	-2.00	7.10e-03	-3.70e-03	2.08e-03	-2.48
168	104	-2.46	4.19e-04	7.53e-05	-4.58	0.0	1.15	2.64	3.37e-03	3.41e-04	-1.29e-03	-2.87
		-2.87	-1.29e-03	0.0	0.0	53.6	1.15	-1.95	3.37e-03	3.41e-04	4.19e-04	-2.68
168	106	-2.35	1.05e-03	7.12e-05	-4.58	0.0	1.21	2.61	5.10e-03	-1.01e-03	-1.70e-03	-2.75
		-2.75	-1.70e-03	1.03e-06	0.0	53.6	1.21	-1.97	5.10e-03	-1.01e-03	1.05e-03	-2.58
168	107	-2.99	9.41e-04	9.31e-05	-8.31	0.0	1.62	4.50	3.87e-03	-1.85e-03	-1.23e-03	-3.64
		-3.64	-1.23e-03	1.42e-06	0.0	53.6	1.62	-3.81	3.87e-03	-1.85e-03	9.41e-04	-3.45
168	108	-4.48	0.02	1.40e-04	-8.31	0.0	4.19	3.21	0.12	-0.03	-0.05	-5.11
		-5.11	-0.05	6.74e-05	0.0	53.6	4.19	-5.10	0.12	-0.03	0.02	-4.96
168	111	-1.50	0.04	4.59e-05	-8.31	0.0	-0.95	5.78	-0.12	0.02	0.04	-2.16
		-2.16	-0.02	-6.46e-05	0.0	53.6	-0.95	-2.53	-0.12	0.02	-0.02	-1.95
168	129	-9.30	0.02	2.83e-04	-8.31	0.0	0.63	6.24	-0.06	9.12e-03	0.02	-10.72
		-10.72	-8.56e-03	4.48e-05	0.0	53.6	0.63	-2.07	-0.06	9.12e-03	-8.56e-03	-9.39
168	130	3.62	0.01	-9.63e-05	-8.31	0.0	2.61	2.76	0.07	-0.01	-0.02	3.44
		2.49	-0.02	-4.20e-05	0.0	53.6	2.61	-5.55	0.07	-0.01	0.01	2.49
168	140	-4.67	0.02	1.46e-04	-8.31	0.0	4.51	3.05	0.14	-0.03	-0.05	-5.30
		-5.30	-0.05	7.66e-05	0.0	53.6	4.51	-5.26	0.14	-0.03	0.02	-5.15
168	143	-1.30	0.05	3.98e-05	-8.31	0.0	-1.27	5.94	-0.13	0.03	0.05	-1.97
		-1.97	-0.02	-7.38e-05	0.0	53.6	-1.27	-2.37	-0.13	0.03	-0.02	-1.76
168	161	-10.08	0.03	3.07e-04	-8.31	0.0	0.50	6.45	-0.07	0.01	0.03	-11.61
		-11.61	-9.76e-03	5.11e-05	0.0	53.6	0.50	-1.86	-0.07	0.01	-9.76e-03	-10.15
168	162	4.48	0.01	-1.20e-04	-8.31	0.0	2.73	2.54	0.07	-0.01	-0.03	4.34
		3.24	-0.03	-4.83e-05	0.0	53.6	2.73	-5.77	0.07	-0.01	0.01	3.24
168	172	-4.68	0.02	1.47e-04	-8.31	0.0	4.35	3.10	0.13	-0.03	-0.05	-5.30
		-5.30	-0.05	9.85e-05	0.0	53.6	4.35	-5.21	0.13	-0.03	0.02	-5.16
168	175	-1.30	0.05	3.95e-05	-8.31	0.0	-1.12	5.89	-0.12	0.03	0.05	-1.97
		-1.97	-0.02	-9.56e-05	0.0	53.6	-1.12	-2.42	-0.12	0.03	-0.02	-1.75
168	193	-10.07	0.03	3.06e-04	-8.31	0.0	0.48	6.44	-0.07	0.01	0.03	-11.59
		-11.59	-9.77e-03	5.74e-05	0.0	53.6	0.48	-1.87	-0.07	0.01	-9.77e-03	-10.14
168	194	4.46	0.01	-1.20e-04	-8.31	0.0	2.75	2.56	0.07	-0.01	-0.03	4.32
		3.23	-0.03	-5.45e-05	0.0	53.6	2.75	-5.75	0.07	-0.01	0.01	3.23
168	204	-4.99	0.02	1.56e-04	-8.31	0.0	4.74	2.89	0.15	-0.03	-0.06	-5.61
		-5.61	-0.06	1.28e-04	0.0	53.6	4.74	-5.42	0.15	-0.03	0.02	-5.48
168	207	-0.99	0.06	2.97e-05	-8.31	0.0	-1.51	6.10	-0.14	0.03	0.06	-1.67
		-1.67	-0.02	-1.26e-04	0.0	53.6	-1.51	-2.21	-0.14	0.03	-0.02	-1.43
168	225	-11.27	0.03	3.44e-04	-8.31	0.0	0.29	6.75	-0.08	0.01	0.03	-12.97
		-12.97	-0.01	7.10e-05	0.0	53.6	0.29	-1.56	-0.08	0.01	-0.01	-11.31
168	226	5.79	0.01	-1.57e-04	-8.31	0.0	2.95	2.24	0.08	-0.02	-0.03	5.70
		4.40	-0.03	-6.81e-05	0.0	53.6	2.95	-6.07	0.08	-0.02	0.01	4.40
169	16	-2.16	9.01e-03	1.10e-04	-6.37	0.0	1.83	1.60	-0.03	-0.01	9.01e-03	-2.27
		-3.12	-5.41e-03	2.33e-06	0.0	53.6	1.83	-4.78	-0.03	-0.01	-5.41e-03	-3.12
169	18	-3.01	9.41e-03	1.67e-04	-12.90	0.0	2.56	3.97	-0.03	-0.02	9.41e-03	-3.34
		-4.67	-4.68e-03	2.94e-06	0.0	53.6	2.56	-8.92	-0.03	-0.02	-4.68e-03	-4.67
169	19	-1.16	8.67e-03	5.82e-05	-4.17	0.0	1.18	1.14	-0.03	-0.01	8.67e-03	-1.24
		-1.75	-4.81e-03	1.60e-06	0.0	53.6	1.18	-3.03	-0.03	-0.01	-4.81e-03	-1.75
169	28	-4.66	7.77e-04	2.60e-04	-15.69	0.0	2.78	4.74	3.46e-03	-5.64e-04	-9.65e-04	-5.04
		-6.70	-9.65e-04	2.02e-06	0.0	53.6	2.78	-10.95	3.46e-03	-5.64e-04	7.77e-04	-6.70
169	45	-2.75	1.74e-03	1.42e-04	-4.17	0.0	1.02	0.83	0.01	5.28e-03	-3.52e-03	-2.79
		-3.47	-3.52e-03	0.0	0.0	53.6	1.02	-3.34	0.01	5.28e-03	1.74e-03	-3.47
169	52	-4.18	1.50e-03	2.35e-04	-15.69	0.0	2.88	4.84	-6.09e-03	-4.30e-03	1.50e-03	-4.58
		-6.20	-1.33e-03	2.81e-06	0.0	53.6	2.88	-10.85	-6.09e-03	-4.30e-03	-1.33e-03	-6.20
169	72	-1.51	6.01e-03	7.75e-05	-4.58	0.0	1.25	1.22	-0.02	-9.21e-03	6.01e-03	-1.60
		-2.18	-3.76e-03	1.53e-06	0.0	53.6	1.25	-3.37	-0.02	-9.21e-03	-3.76e-03	-2.18
169	73	-1.66	6.07e-03	8.37e-05	-4.58	0.0	1.34	1.13	-0.02	-9.38e-03	6.07e-03	-1.73

		-2.36	-3.87e-03	1.68e-06	0.0	53.6	1.34	-3.46	-0.02	-9.38e-03	-3.87e-03	-2.36
169	75	-2.23	6.33e-03	1.22e-04	-8.93	0.0	1.83	2.71	-0.02	-0.01	6.33e-03	-2.45
		-3.39	-3.38e-03	2.09e-06	0.0	53.6	1.83	-6.22	-0.02	-0.01	-3.38e-03	-3.39
169	80	-3.32	2.61e-04	1.84e-04	-10.80	0.0	1.97	3.22	1.70e-03	-4.27e-04	-5.84e-04	-3.58
		-4.75	-5.84e-04	1.48e-06	0.0	53.6	1.97	-7.57	1.70e-03	-4.27e-04	2.61e-04	-4.75
169	85	-2.57	6.05e-04	1.33e-04	-4.58	0.0	1.14	1.01	5.94e-03	3.06e-03	-2.11e-03	-2.63
		-3.32	-2.11e-03	0.0	0.0	53.6	1.14	-3.58	5.94e-03	3.06e-03	6.05e-04	-3.32
169	92	-3.01	1.06e-03	1.67e-04	-10.80	0.0	2.05	3.29	-4.67e-03	-2.92e-03	1.06e-03	-3.27
		-4.41	-1.14e-03	2.00e-06	0.0	53.6	2.05	-7.51	-4.67e-03	-2.92e-03	-1.14e-03	-4.41
169	98	-2.62	8.87e-04	1.44e-04	-8.93	0.0	1.75	2.70	-4.43e-03	-2.25e-03	8.87e-04	-2.84
		-3.78	-1.25e-03	1.67e-06	0.0	53.6	1.75	-6.23	-4.43e-03	-2.25e-03	-1.25e-03	-3.78
169	102	-1.94	1.70e-03	1.00e-04	-4.58	0.0	1.26	1.13	-7.85e-03	-2.72e-03	1.70e-03	-2.02
		-2.64	-2.14e-03	1.32e-06	0.0	53.6	1.26	-3.45	-7.85e-03	-2.72e-03	-2.14e-03	-2.64
169	103	-2.43	1.93e-03	1.33e-04	-8.31	0.0	1.67	2.49	-7.65e-03	-3.71e-03	1.93e-03	-2.63
		-3.52	-1.72e-03	1.67e-06	0.0	53.6	1.67	-5.82	-7.65e-03	-3.71e-03	-1.72e-03	-3.52
169	104	-2.15	7.38e-05	1.11e-04	-4.58	0.0	1.24	1.09	-2.54e-03	-2.63e-04	7.38e-05	-2.22
		-2.87	-1.27e-03	1.09e-06	0.0	53.6	1.24	-3.49	-2.54e-03	-2.63e-04	-1.27e-03	-2.87
169	106	-2.05	6.21e-04	1.06e-04	-4.58	0.0	1.26	1.11	-4.66e-03	-1.09e-03	6.21e-04	-2.12
		-2.75	-1.74e-03	1.27e-06	0.0	53.6	1.26	-3.47	-4.66e-03	-1.09e-03	-1.74e-03	-2.75
169	107	-2.54	8.49e-04	1.39e-04	-8.31	0.0	1.68	2.47	-4.46e-03	-2.09e-03	8.49e-04	-2.73
		-3.64	-1.32e-03	1.62e-06	0.0	53.6	1.68	-5.84	-4.46e-03	-2.09e-03	-1.32e-03	-3.64
169	108	-3.73	2.71e-03	2.06e-04	-8.31	0.0	3.27	1.69	-0.09	-0.03	2.71e-03	-3.83
		-5.11	-0.05	6.09e-05	0.0	53.6	3.27	-6.62	-0.09	-0.03	-0.05	-5.11
169	111	-1.31	0.05	7.16e-05	-8.31	0.0	0.08	3.25	0.08	0.02	-1.01e-03	-1.64
		-2.16	-1.01e-03	-5.76e-05	0.0	53.6	0.08	-5.06	0.08	0.02	0.05	-2.16
169	129	-9.16	0.02	4.23e-04	-8.31	0.0	1.08	1.31	0.04	8.40e-03	-6.69e-04	-9.21
		-10.72	-6.69e-04	4.12e-05	0.0	53.6	1.08	-7.00	0.04	8.40e-03	0.02	-10.72
169	130	4.16	2.37e-03	-1.45e-04	-8.31	0.0	2.27	3.63	-0.05	-0.01	2.37e-03	3.75
		3.44	-0.03	-3.80e-05	0.0	53.6	2.27	-4.68	-0.05	-0.01	-0.03	3.44
169	140	-3.88	2.94e-03	2.15e-04	-8.31	0.0	3.47	1.59	-0.10	-0.03	2.94e-03	-3.97
		-5.30	-0.05	6.92e-05	0.0	53.6	3.47	-6.72	-0.10	-0.03	-0.05	-5.30
169	143	-1.16	0.05	6.30e-05	-8.31	0.0	-0.12	3.35	0.10	0.02	-1.24e-03	-1.50
		-1.97	-1.24e-03	-6.59e-05	0.0	53.6	-0.12	-4.96	0.10	0.02	0.05	-1.97
169	161	-9.99	0.03	4.59e-04	-8.31	0.0	1.01	1.16	0.05	9.75e-03	-8.60e-04	-10.03
		-11.61	-8.60e-04	4.71e-05	0.0	53.6	1.01	-7.15	0.05	9.75e-03	0.03	-11.61
169	162	5.01	2.56e-03	-1.81e-04	-8.31	0.0	2.35	3.78	-0.06	-0.01	2.56e-03	4.56
		4.34	-0.03	-4.38e-05	0.0	53.6	2.35	-4.53	-0.06	-0.01	-0.03	4.34
169	172	-3.87	2.87e-03	2.15e-04	-8.31	0.0	3.38	1.58	-0.10	-0.03	2.87e-03	-3.96
		-5.30	-0.05	9.12e-05	0.0	53.6	3.38	-6.73	-0.10	-0.03	-0.05	-5.30
169	175	-1.16	0.05	6.27e-05	-8.31	0.0	-0.03	3.36	0.09	0.02	-1.17e-03	-1.51
		-1.97	-1.17e-03	-8.80e-05	0.0	53.6	-0.03	-4.95	0.09	0.02	0.05	-1.97
169	193	-9.95	0.03	4.58e-04	-8.31	0.0	1.00	1.14	0.05	9.92e-03	-8.47e-04	-10.00
		-11.59	-8.47e-04	5.35e-05	0.0	53.6	1.00	-7.17	0.05	9.92e-03	0.03	-11.59
169	194	4.99	2.54e-03	-1.81e-04	-8.31	0.0	2.36	3.80	-0.06	-0.01	2.54e-03	4.53
		4.32	-0.03	-5.03e-05	0.0	53.6	2.36	-4.51	-0.06	-0.01	-0.03	4.32
169	204	-4.11	3.18e-03	2.29e-04	-8.31	0.0	3.62	1.42	-0.11	-0.03	3.18e-03	-4.18
		-5.61	-0.06	1.20e-04	0.0	53.6	3.62	-6.89	-0.11	-0.03	-0.06	-5.61
169	207	-0.90	0.06	4.88e-05	-8.31	0.0	-0.27	3.52	0.10	0.03	-1.49e-03	-1.29
		-1.67	-1.49e-03	-1.17e-04	0.0	53.6	-0.27	-4.79	0.10	0.03	0.06	-1.67
169	225	-11.22	0.03	5.14e-04	-8.31	0.0	0.88	0.90	0.06	0.01	-1.14e-03	-11.25
		-12.97	-1.14e-03	6.67e-05	0.0	53.6	0.88	-7.41	0.06	0.01	0.03	-12.97
169	226	6.30	2.84e-03	-2.37e-04	-8.31	0.0	2.47	4.04	-0.07	-0.02	2.84e-03	5.78
		5.70	-0.03	-6.34e-05	0.0	53.6	2.47	-4.27	-0.07	-0.02	-0.03	5.70
170	4	-0.81	5.93e-03	2.74e-04	-16.28	0.0	3.54	2.38	9.43e-03	4.27e-03	9.46e-04	-0.91
		-4.11	9.46e-04	3.07e-06	0.0	55.7	3.54	-13.90	9.43e-03	4.27e-03	5.93e-03	-4.11
170	18	-0.56	8.85e-03	2.20e-04	-13.38	0.0	3.24	1.82	0.01	7.98e-03	3.54e-03	-0.63
		-3.34	3.54e-03	2.95e-06	0.0	55.7	3.24	-11.56	0.01	7.98e-03	8.85e-03	-3.34
170	19	-0.17	8.21e-03	7.83e-05	-4.33	0.0	1.61	0.25	7.42e-03	9.11e-03	4.56e-03	-0.18
		-1.24	4.56e-03	1.57e-06	0.0	55.7	1.61	-4.08	7.42e-03	9.11e-03	8.21e-03	-1.24
170	28	-1.48	-9.75e-04	3.37e-04	-16.28	0.0	3.29	1.84	6.05e-03	-2.90e-03	-4.36e-03	-1.53
		-5.04	-4.36e-03	2.07e-06	0.0	55.7	3.29	-14.44	6.05e-03	-2.90e-03	-9.75e-04	-5.04
170	44	-1.66	-2.66e-03	3.27e-04	-13.38	0.0	2.84	0.92	4.68e-03	-3.97e-03	-5.30e-03	-1.67
		-4.89	-5.30e-03	1.27e-06	0.0	55.7	2.84	-12.46	4.68e-03	-3.97e-03	-2.66e-03	-4.89
170	45	-1.22	-3.30e-03	1.85e-04	-4.33	0.0	1.21	-0.65	1.79e-03	-2.83e-03	-4.28e-03	-1.22
		-2.79	-4.28e-03	0.0	0.0	55.7	1.21	-4.98	1.79e-03	-2.83e-03	-3.30e-03	-2.79
170	68	-0.64	4.02e-03	1.96e-04	-11.20	0.0	2.51	1.53	6.79e-03	3.04e-03	4.39e-04	-0.69
		-2.96	4.39e-04	2.18e-06	0.0	55.7	2.51	-9.68	6.79e-03	3.04e-03	4.02e-03	-2.96
170	72	-0.37	5.69e-03	1.03e-04	-4.76	0.0	1.63	0.17	6.45e-03	6.36e-03	2.48e-03	-0.37
		-1.60	2.48e-03	1.52e-06	0.0	55.7	1.63	-4.59	6.45e-03	6.36e-03	5.69e-03	-1.60
170	75	-0.47	5.96e-03	1.61e-04	-9.27	0.0	2.31	1.15	7.37e-03	5.52e-03	2.17e-03	-0.51
		-2.45	2.17e-03	2.09e-06	0.0	55.7	2.31	-8.12	7.37e-03	5.52e-03	5.96e-03	-2.45
170	80	-1.08	-5.90e-04	2.39e-04	-11.20	0.0	2.35	1.16	4.54e-03	-1.74e-03	-3.10e-03	-1.11
		-3.58	-3.10e-03	1.51e-06	0.0	55.7	2.35	-10.04	4.54e-03	-1.74e-03	-5.90e-04	-3.58
170	85	-1.07	-1.98e-03	1.74e-04	-4.76	0.0	1.37	-0.43	2.70e-03	-1.60e-03	-3.42e-03	-1.07
		-2.63	-3.42e-03	0.0	0.0	55.7	1.37	-5.19	2.70e-03	-1.60e-03	-1.98e-03	-2.63

170	88	-1.19	-1.72e-03	2.32e-04	-9.27	0.0	2.04	0.55	3.62e-03	-2.45e-03	-3.72e-03	-1.20
		-3.48	-3.72e-03	0.0	0.0	55.7	2.04	-8.72	3.62e-03	-2.45e-03	-1.72e-03	-3.48
170	98	-0.79	8.14e-04	1.88e-04	-9.27	0.0	2.09	1.02	4.94e-03	2.30e-04	-1.83e-03	-0.83
		-2.84	-1.83e-03	1.70e-06	0.0	55.7	2.09	-8.25	4.94e-03	2.30e-04	8.14e-04	-2.84
170	102	-0.66	1.62e-03	1.31e-04	-4.76	0.0	1.55	-0.07	4.72e-03	2.10e-03	-8.01e-04	-0.66
		-2.02	-8.01e-04	1.34e-06	0.0	55.7	1.55	-4.83	4.72e-03	2.10e-03	1.62e-03	-2.02
170	103	-0.71	1.80e-03	1.74e-04	-8.62	0.0	2.03	0.92	5.28e-03	1.41e-03	-9.79e-04	-0.74
		-2.63	-9.79e-04	1.69e-06	0.0	55.7	2.03	-7.71	5.28e-03	1.41e-03	1.80e-03	-2.63
170	104	-0.79	8.00e-05	1.46e-04	-4.76	0.0	1.49	-0.19	3.97e-03	5.08e-04	-1.98e-03	-0.79
		-2.22	-1.98e-03	1.11e-06	0.0	55.7	1.49	-4.95	3.97e-03	5.08e-04	8.00e-05	-2.22
170	105	-0.86	2.67e-04	1.88e-04	-8.62	0.0	1.98	0.80	4.53e-03	-1.82e-04	-2.16e-03	-0.88
		-2.84	-2.16e-03	1.47e-06	0.0	55.7	1.98	-7.83	4.53e-03	-1.82e-04	2.67e-04	-2.84
170	106	-0.73	5.96e-04	1.39e-04	-4.76	0.0	1.53	-0.13	4.29e-03	1.04e-03	-1.62e-03	-0.73
		-2.12	-1.62e-03	1.29e-06	0.0	55.7	1.53	-4.88	4.29e-03	1.04e-03	5.96e-04	-2.12
170	107	-0.79	7.83e-04	1.81e-04	-8.62	0.0	2.01	0.86	4.85e-03	3.45e-04	-1.80e-03	-0.81
		-2.73	-1.80e-03	1.64e-06	0.0	55.7	2.01	-7.77	4.85e-03	3.45e-04	7.83e-04	-2.73
170	108	-1.44	-4.78e-04	2.62e-04	-8.62	0.0	3.78	0.02	0.01	9.00e-03	-7.10e-03	-1.44
		-3.83	-7.10e-03	5.02e-05	0.0	55.7	3.78	-8.61	0.01	9.00e-03	-4.78e-04	-3.83
170	111	-0.09	3.50e-03	1.01e-04	-8.62	0.0	0.24	1.70	-2.55e-03	-8.31e-03	3.50e-03	-0.18
		-1.64	2.04e-03	-4.69e-05	0.0	55.7	0.24	-6.93	-2.55e-03	-8.31e-03	2.04e-03	-1.64
170	124	2.74	-4.94e-04	-9.69e-05	-8.62	0.0	3.43	3.99	0.01	-3.44e-03	-7.26e-03	2.23
		2.05	-7.26e-03	-6.03e-06	0.0	55.7	3.43	-4.63	0.01	-3.44e-03	-4.94e-04	2.05
170	127	-3.85	3.66e-03	4.60e-04	-8.62	0.0	0.59	-2.28	-2.76e-03	4.13e-03	3.66e-03	-3.85
		-7.52	2.06e-03	9.32e-06	0.0	55.7	0.59	-10.90	-2.76e-03	4.13e-03	2.06e-03	-7.52
170	129	-4.88	3.20e-03	5.69e-04	-8.62	0.0	1.34	-3.47	-2.17e-03	4.38e-03	3.20e-03	-4.88
		-9.21	1.43e-03	4.12e-05	0.0	55.7	1.34	-12.10	-2.17e-03	4.38e-03	1.43e-03	-9.21
170	130	4.13	1.32e-04	-2.07e-04	-8.62	0.0	2.67	5.19	0.01	-3.69e-03	-6.80e-03	3.26
		3.26	-6.80e-03	-3.79e-05	0.0	55.7	2.67	-3.44	0.01	-3.69e-03	1.32e-04	3.26
170	140	-1.52	-6.35e-04	2.72e-04	-8.62	0.0	4.00	-0.09	0.01	0.01	-7.76e-03	-1.52
		-3.97	-7.76e-03	5.71e-05	0.0	55.7	4.00	-8.71	0.01	0.01	-6.35e-04	-3.97
170	143	3.05e-03	4.16e-03	9.04e-05	-8.62	0.0	0.01	1.81	-3.47e-03	-9.40e-03	4.16e-03	-0.10
		-1.50	2.20e-03	-5.39e-05	0.0	55.7	0.01	-6.82	-3.47e-03	-9.40e-03	2.20e-03	-1.50
170	156	3.23	-6.52e-04	-1.32e-04	-8.62	0.0	3.61	4.39	0.01	-3.92e-03	-7.94e-03	2.61
		2.61	-7.94e-03	-6.34e-06	0.0	55.7	3.61	-4.24	0.01	-3.92e-03	-6.52e-04	2.61
170	159	-4.23	4.34e-03	4.94e-04	-8.62	0.0	0.41	-2.67	-3.71e-03	4.61e-03	4.34e-03	-4.23
		-8.12	2.22e-03	9.63e-06	0.0	55.7	0.41	-11.29	-3.71e-03	4.61e-03	2.22e-03	-8.12
170	161	-5.40	3.83e-03	6.18e-04	-8.62	0.0	1.26	-4.02	-3.05e-03	4.91e-03	3.83e-03	-5.40
		-10.03	1.52e-03	4.70e-05	0.0	55.7	1.26	-12.64	-3.05e-03	4.91e-03	1.52e-03	-10.03
170	162	4.83	4.82e-05	-2.56e-04	-8.62	0.0	2.76	5.73	0.01	-4.22e-03	-7.42e-03	3.77
		3.77	-7.42e-03	-4.37e-05	0.0	55.7	2.76	-2.89	0.01	-4.22e-03	4.82e-05	3.77
170	172	-1.52	-5.50e-04	2.72e-04	-8.62	0.0	3.90	-0.08	0.01	9.80e-03	-7.40e-03	-1.52
		-3.96	-7.40e-03	8.03e-05	0.0	55.7	3.90	-8.70	0.01	9.80e-03	-5.50e-04	-3.96
170	175	-6.72e-05	3.81e-03	9.04e-05	-8.62	0.0	0.12	1.80	-2.96e-03	-9.11e-03	3.81e-03	-0.10
		-1.51	2.11e-03	-7.70e-05	0.0	55.7	0.12	-6.83	-2.96e-03	-9.11e-03	2.11e-03	-1.51
170	188	3.19	-6.06e-04	-1.29e-04	-8.62	0.0	3.55	4.36	0.01	-3.95e-03	-7.78e-03	2.58
		2.58	-7.78e-03	5.99e-06	0.0	55.7	3.55	-4.27	0.01	-3.95e-03	-6.06e-04	2.58
170	191	-4.20	4.18e-03	4.92e-04	-8.62	0.0	0.46	-2.64	-3.50e-03	4.64e-03	4.18e-03	-4.20
		-8.07	2.17e-03	-2.70e-06	0.0	55.7	0.46	-11.27	-3.50e-03	4.64e-03	2.17e-03	-8.07
170	193	-5.37	3.73e-03	6.17e-04	-8.62	0.0	1.25	-4.00	-2.99e-03	5.02e-03	3.73e-03	-5.37
		-10.00	1.54e-03	5.38e-05	0.0	55.7	1.25	-12.62	-2.99e-03	5.02e-03	1.54e-03	-10.00
170	194	4.80	2.83e-05	-2.54e-04	-8.62	0.0	2.77	5.71	0.01	-4.33e-03	-7.32e-03	3.75
		3.75	-7.32e-03	-5.05e-05	0.0	55.7	2.77	-2.91	0.01	-4.33e-03	2.83e-05	3.75
170	204	-1.65	-7.34e-04	2.89e-04	-8.62	0.0	4.17	-0.24	0.01	0.01	-8.17e-03	-1.65
		-4.18	-8.17e-03	1.08e-04	0.0	55.7	4.17	-8.87	0.01	0.01	-7.34e-04	-4.18
170	207	0.15	4.58e-03	7.40e-05	-8.62	0.0	-0.15	1.96	-4.04e-03	-0.01	4.58e-03	0.03
		-1.29	2.30e-03	-1.04e-04	0.0	55.7	-0.15	-6.66	-4.04e-03	-0.01	2.30e-03	-1.29
170	220	3.93	-8.20e-04	-1.81e-04	-8.62	0.0	3.79	4.94	0.01	-4.72e-03	-8.72e-03	3.14
		3.14	-8.72e-03	1.36e-05	0.0	55.7	3.79	-3.68	0.01	-4.72e-03	-8.20e-04	3.14
170	223	-4.76	5.12e-03	5.44e-04	-8.62	0.0	0.23	-3.23	-4.81e-03	5.41e-03	5.12e-03	-4.76
		-8.96	2.38e-03	-1.03e-05	0.0	55.7	0.23	-11.85	-4.81e-03	5.41e-03	2.38e-03	-8.96
170	225	-6.16	4.64e-03	6.93e-04	-8.62	0.0	1.11	-4.84	-4.33e-03	5.84e-03	4.64e-03	-6.16
		-11.25	1.67e-03	6.73e-05	0.0	55.7	1.11	-13.46	-4.33e-03	5.84e-03	1.67e-03	-11.25
170	226	5.92	-1.03e-04	-3.30e-04	-8.62	0.0	2.90	6.55	0.01	-5.15e-03	-8.23e-03	4.54
		4.54	-8.23e-03	-6.40e-05	0.0	55.7	2.90	-2.07	0.01	-5.15e-03	-1.03e-04	4.54
171	3	1.39	1.74e-03	2.38e-04	-16.28	0.0	2.05	4.84	0.03	0.03	-0.01	0.99
		-0.85	-0.01	3.18e-06	0.0	55.7	2.05	-11.44	0.03	0.03	1.74e-03	-0.85
171	19	0.53	5.55e-03	6.89e-05	-4.33	0.0	0.92	1.01	0.03	0.05	-4.83e-03	0.46
		-0.18	-4.83e-03	1.93e-06	0.0	55.7	0.92	-3.32	0.03	0.05	5.55e-03	-0.18
171	28	0.97	-4.47e-03	3.18e-04	-16.28	0.0	2.16	4.19	0.01	-1.92e-03	-0.01	0.67
		-1.53	-0.01	2.18e-06	0.0	55.7	2.16	-12.09	0.01	-1.92e-03	-4.47e-03	-1.53
171	44	0.58	-5.57e-03	3.12e-04	-13.38	0.0	1.93	2.96	8.27e-03	-0.01	-0.01	0.40
		-1.67	-0.01	1.31e-06	0.0	55.7	1.93	-10.42	8.27e-03	-0.01	-5.57e-03	-1.67
171	52	1.16	-2.60e-03	2.83e-04	-16.28	0.0	2.19	4.45	0.02	9.88e-03	-0.01	0.82
		-1.23	-0.01	3.08e-06	0.0	55.7	2.19	-11.83	0.02	9.88e-03	-2.60e-03	-1.23
171	67	0.92	9.92e-04	1.72e-04	-11.20	0.0	1.47	3.23	0.02	0.02	-7.65e-03	0.66

		-0.65	-7.65e-03	2.26e-06	0.0	55.7	1.47	-7.97	0.02	0.02	9.92e-04	-0.65
171	72	0.45	3.18e-03	9.41e-05	-4.76	0.0	0.99	1.01	0.02	0.03	-5.39e-03	0.39
		-0.37	-5.39e-03	1.80e-06	0.0	55.7	0.99	-3.75	0.02	0.03	3.18e-03	-0.37
171	80	0.64	-3.15e-03	2.26e-04	-11.20	0.0	1.55	2.80	9.86e-03	-4.93e-04	-8.46e-03	0.45
		-1.11	-8.46e-03	1.60e-06	0.0	55.7	1.55	-8.40	9.86e-03	-4.93e-04	-3.15e-03	-1.11
171	88	0.39	-3.88e-03	2.22e-04	-9.27	0.0	1.39	1.98	6.61e-03	-5.95e-03	-7.91e-03	0.27
		-1.20	-7.91e-03	1.01e-06	0.0	55.7	1.39	-7.29	6.61e-03	-5.95e-03	-3.88e-03	-1.20
171	92	0.77	-1.90e-03	2.03e-04	-11.20	0.0	1.56	2.98	0.01	7.37e-03	-8.39e-03	0.55
		-0.91	-8.39e-03	2.20e-06	0.0	55.7	1.56	-8.23	0.01	7.37e-03	-1.90e-03	-0.91
171	98	0.60	-1.71e-03	1.77e-04	-9.27	0.0	1.35	2.37	0.01	6.88e-03	-7.51e-03	0.44
		-0.83	-7.51e-03	1.84e-06	0.0	55.7	1.35	-6.90	0.01	6.88e-03	-1.71e-03	-0.83
171	102	0.27	-5.47e-04	1.25e-04	-4.76	0.0	1.01	0.79	0.01	0.01	-5.98e-03	0.23
		-0.66	-5.98e-03	1.48e-06	0.0	55.7	1.01	-3.97	0.01	0.01	-5.47e-04	-0.66
171	105	0.50	-2.09e-03	1.78e-04	-8.62	0.0	1.30	2.08	0.01	4.19e-03	-7.33e-03	0.37
		-0.88	-7.33e-03	1.58e-06	0.0	55.7	1.30	-6.55	0.01	4.19e-03	-2.09e-03	-0.88
171	106	0.22	-1.48e-03	1.33e-04	-4.76	0.0	1.02	0.73	9.76e-03	6.38e-03	-6.13e-03	0.19
		-0.73	-6.13e-03	1.41e-06	0.0	55.7	1.02	-4.02	9.76e-03	6.38e-03	-1.48e-03	-0.73
171	107	0.55	-1.67e-03	1.70e-04	-8.62	0.0	1.30	2.14	0.01	6.81e-03	-7.31e-03	0.40
		-0.81	-7.31e-03	1.78e-06	0.0	55.7	1.30	-6.49	0.01	6.81e-03	-1.67e-03	-0.81
171	108	0.20	-5.50e-03	2.55e-04	-8.62	0.0	2.19	1.44	0.02	0.03	-0.02	0.13
		-1.44	-0.02	3.73e-05	0.0	55.7	2.19	-7.19	0.02	0.03	-5.50e-03	-1.44
171	111	0.92	2.31e-03	8.54e-05	-8.62	0.0	0.41	2.83	2.15e-04	-0.02	2.31e-03	0.68
		-0.18	2.15e-03	-3.37e-05	0.0	55.7	0.41	-5.79	2.15e-04	-0.02	2.15e-03	-0.18
171	127	-0.77	2.52e-03	4.79e-04	-8.62	0.0	0.61	-1.21	2.51e-03	-0.01	1.70e-03	-0.77
		-3.85	1.70e-03	1.63e-05	0.0	55.7	0.61	-9.83	2.51e-03	-0.01	2.52e-03	-3.85
171	129	-1.18	2.40e-03	5.98e-04	-8.62	0.0	0.99	-2.35	6.85e-03	-3.56e-03	-1.92e-03	-1.18
		-4.88	-1.92e-03	3.90e-05	0.0	55.7	0.99	-10.98	6.85e-03	-3.56e-03	2.40e-03	-4.88
171	130	3.39	-5.75e-03	-2.57e-04	-8.62	0.0	1.62	6.62	0.02	0.02	-0.01	1.98
		1.98	-0.01	-3.54e-05	0.0	55.7	1.62	-2.00	0.02	0.02	-5.75e-03	3.26
171	140	0.15	-5.98e-03	2.66e-04	-8.62	0.0	2.30	1.35	0.02	0.03	-0.02	0.09
		-1.52	-0.02	4.26e-05	0.0	55.7	2.30	-7.27	0.02	0.03	-5.98e-03	-1.52
171	143	0.97	3.51e-03	7.46e-05	-8.62	0.0	0.30	2.92	-1.21e-03	-0.02	3.51e-03	0.71
		-0.10	2.63e-03	-3.90e-05	0.0	55.7	0.30	-5.70	-1.21e-03	-0.02	2.63e-03	-0.10
171	161	-1.38	2.91e-03	6.52e-04	-8.62	0.0	0.95	-2.92	6.24e-03	-4.87e-03	-1.24e-03	-1.38
		-5.40	-1.24e-03	4.45e-05	0.0	55.7	0.95	-11.54	6.24e-03	-4.87e-03	2.91e-03	-5.40
171	162	3.84	-6.26e-03	-3.11e-04	-8.62	0.0	1.66	7.19	0.02	0.02	-0.01	2.18
		2.18	-0.01	-4.10e-05	0.0	55.7	1.66	-1.44	0.02	0.02	-6.26e-03	3.77
171	172	0.15	-5.77e-03	2.66e-04	-8.62	0.0	2.25	1.37	0.02	0.03	-0.02	0.09
		-1.52	-0.02	6.58e-05	0.0	55.7	2.25	-7.25	0.02	0.03	-5.77e-03	-1.52
171	175	0.98	2.85e-03	7.47e-05	-8.62	0.0	0.35	2.90	-4.75e-04	-0.02	2.85e-03	0.71
		-0.10	2.42e-03	-6.23e-05	0.0	55.7	0.35	-5.72	-4.75e-04	-0.02	2.42e-03	-0.10
171	191	-0.90	2.96e-03	5.15e-04	-8.62	0.0	0.55	-1.60	1.75e-03	-0.01	2.53e-03	-0.90
		-4.20	2.53e-03	5.39e-06	0.0	55.7	0.55	-10.22	1.75e-03	-0.01	2.96e-03	-4.20
171	193	-1.37	2.88e-03	6.50e-04	-8.62	0.0	0.94	-2.89	6.21e-03	-4.89e-03	-1.22e-03	-1.37
		-5.37	-1.22e-03	5.12e-05	0.0	55.7	0.94	-11.51	6.21e-03	-4.89e-03	2.88e-03	-5.37
171	194	3.82	-6.23e-03	-3.10e-04	-8.62	0.0	1.67	7.16	0.02	0.02	-0.01	2.17
		2.17	-0.01	-4.76e-05	0.0	55.7	1.67	-1.47	0.02	0.02	-6.23e-03	3.75
171	204	0.08	-6.36e-03	2.83e-04	-8.62	0.0	2.39	1.24	0.03	0.03	-0.02	0.03
		-1.65	-0.02	9.08e-05	0.0	55.7	2.39	-7.38	0.03	0.03	-6.36e-03	-1.65
171	207	1.06	4.23e-03	5.75e-05	-8.62	0.0	0.22	3.03	-2.17e-03	-0.02	4.23e-03	0.78
		0.03	3.01e-03	-8.73e-05	0.0	55.7	0.22	-5.59	-2.17e-03	-0.02	3.01e-03	0.03
171	225	-1.68	3.66e-03	7.34e-04	-8.62	0.0	0.88	-3.75	5.29e-03	-6.85e-03	-2.08e-04	-1.68
		-6.16	-2.08e-04	6.42e-05	0.0	55.7	0.88	-12.37	5.29e-03	-6.85e-03	3.66e-03	-6.16
171	226	4.55	-7.01e-03	-3.93e-04	-8.62	0.0	1.73	8.02	0.02	0.02	-0.01	2.48
		2.48	-0.01	-6.06e-05	0.0	55.7	1.73	-0.60	0.02	0.02	-7.01e-03	4.54
172	4	1.90	-8.46e-03	1.86e-04	-16.28	0.0	1.12	9.05	0.11	0.03	-0.06	0.50
		0.50	-0.06	3.64e-06	0.0	55.7	1.12	-7.23	0.11	0.03	-8.46e-03	1.01
172	18	1.69	-6.00e-03	1.43e-04	-13.38	0.0	0.99	7.51	0.13	0.04	-0.07	0.52
		0.52	-0.07	3.65e-06	0.0	55.7	0.99	-5.87	0.13	0.04	-6.00e-03	0.97
172	19	0.70	-1.52e-03	4.75e-05	-4.33	0.0	0.49	2.40	0.09	0.03	-0.04	0.33
		0.33	-0.04	2.15e-06	0.0	55.7	0.49	-1.93	0.09	0.03	-1.52e-03	0.46
172	28	1.66	-0.01	2.58e-04	-16.28	0.0	1.21	8.64	0.05	1.36e-03	-0.04	0.39
		0.39	-0.04	2.22e-06	0.0	55.7	1.21	-7.64	0.05	1.36e-03	-0.01	0.67
172	45	0.33	-4.98e-03	1.66e-04	-4.33	0.0	0.65	1.72	-9.35e-03	-8.18e-03	-4.98e-03	0.14
		-0.11	-7.20e-03	0.0	0.0	55.7	0.65	-2.61	-9.35e-03	-8.18e-03	-7.20e-03	-0.11
172	68	1.30	-6.28e-03	1.36e-04	-11.20	0.0	0.82	6.18	0.08	0.02	-0.04	0.36
		0.36	-0.04	2.57e-06	0.0	55.7	0.82	-5.03	0.08	0.02	-6.28e-03	0.68
172	72	0.68	-3.04e-03	7.17e-05	-4.76	0.0	0.55	2.55	0.08	0.02	-0.04	0.30
		0.30	-0.04	1.96e-06	0.0	55.7	0.55	-2.21	0.08	0.02	-3.04e-03	0.39
172	75	1.16	-4.64e-03	1.08e-04	-9.27	0.0	0.73	5.15	0.09	0.02	-0.05	0.37
		0.37	-0.05	2.58e-06	0.0	55.7	0.73	-4.12	0.09	0.02	-4.64e-03	0.65
172	80	1.14	-8.55e-03	1.84e-04	-11.20	0.0	0.88	5.90	0.04	1.52e-03	-0.03	0.28
		0.28	-0.03	1.63e-06	0.0	55.7	0.88	-5.30	0.04	1.52e-03	-8.55e-03	0.45
172	85	0.43	-6.83e-03	1.51e-04	-4.76	0.0	0.65	2.10	6.68e-03	-3.60e-03	-0.01	0.17
		0.01	-0.01	0.0	0.0	55.7	0.65	-2.66	6.68e-03	-3.60e-03	-6.83e-03	0.01

172	98	1.00	-7.04e-03	1.42e-04	-9.27	0.0	0.76	4.93	0.05	6.19e-03	-0.03	0.27
		0.27	-0.03	1.91e-06	0.0	55.7	0.76	-4.34	0.05	6.19e-03	-7.04e-03	0.44
172	102	0.56	-5.18e-03	1.04e-04	-4.76	0.0	0.61	2.38	0.04	8.82e-03	-0.03	0.23
		0.23	-0.03	1.56e-06	0.0	55.7	0.61	-2.37	0.04	8.82e-03	-5.18e-03	0.23
172	103	0.96	-6.32e-03	1.29e-04	-8.62	0.0	0.72	4.60	0.05	9.59e-03	-0.03	0.28
		0.28	-0.03	1.95e-06	0.0	55.7	0.72	-4.02	0.05	9.59e-03	-6.32e-03	0.44
172	104	0.51	-5.94e-03	1.19e-04	-4.76	0.0	0.63	2.29	0.03	3.52e-03	-0.02	0.20
		0.15	-0.02	1.24e-06	0.0	55.7	0.63	-2.47	0.03	3.52e-03	-5.94e-03	0.15
172	106	0.53	-5.72e-03	1.12e-04	-4.76	0.0	0.62	2.34	0.04	5.30e-03	-0.02	0.21
		0.19	-0.02	1.45e-06	0.0	55.7	0.62	-2.42	0.04	5.30e-03	-5.72e-03	0.19
172	107	0.93	-6.85e-03	1.37e-04	-8.62	0.0	0.74	4.56	0.04	6.07e-03	-0.03	0.26
		0.26	-0.03	1.84e-06	0.0	55.7	0.74	-4.06	0.04	6.07e-03	-6.85e-03	0.40
172	108	0.96	0.02	2.26e-04	-8.62	0.0	0.98	3.61	-0.05	0.04	0.02	0.56
		0.13	-0.01	2.45e-05	0.0	55.7	0.98	-5.01	-0.05	0.04	-0.01	0.13
172	111	0.97	-2.34e-03	4.83e-05	-8.62	0.0	0.50	5.51	0.13	-0.03	-0.08	-0.04
		-0.04	-0.08	-2.09e-05	0.0	55.7	0.50	-3.11	0.13	-0.03	-2.34e-03	0.68
172	130	2.01	-8.54e-03	-2.89e-04	-8.62	0.0	0.82	7.62	0.15	0.02	-0.09	0.07
		0.07	-0.09	-3.28e-05	0.0	55.7	0.82	-1.01	0.15	0.02	-8.54e-03	1.98
172	133	0.67	0.08	5.42e-04	-8.62	0.0	0.73	1.09	-0.15	4.74e-03	0.08	0.64
		-1.18	-6.51e-03	-2.25e-05	0.0	55.7	0.73	-7.53	-0.15	4.74e-03	-6.51e-03	-1.18
172	134	1.99	-7.19e-03	-2.67e-04	-8.62	0.0	0.75	8.03	0.24	7.39e-03	-0.14	-0.11
		-0.11	-0.14	2.61e-05	0.0	55.7	0.75	-0.59	0.24	7.39e-03	-7.19e-03	1.98
172	140	0.97	0.02	2.38e-04	-8.62	0.0	1.01	3.49	-0.06	0.05	0.02	0.60
		0.09	-0.01	2.82e-05	0.0	55.7	1.01	-5.13	-0.06	0.05	-0.01	0.09
172	143	0.98	-1.78e-03	3.69e-05	-8.62	0.0	0.47	5.63	0.15	-0.03	-0.08	-0.08
		-0.08	-0.08	-2.45e-05	0.0	55.7	0.47	-2.99	0.15	-0.03	-1.78e-03	0.71
172	157	0.53	0.04	6.17e-04	-8.62	0.0	0.67	1.07	-0.08	-0.01	0.04	0.50
		-1.38	-5.68e-03	4.70e-05	0.0	55.7	0.67	-7.56	-0.08	-0.01	-5.68e-03	-1.38
172	162	2.19	-8.75e-03	-3.43e-04	-8.62	0.0	0.83	8.01	0.17	0.03	-0.10	0.05
		0.05	-0.10	-3.80e-05	0.0	55.7	0.83	-0.62	0.17	0.03	-8.75e-03	2.18
172	165	0.70	0.09	5.92e-04	-8.62	0.0	0.73	0.66	-0.17	4.63e-03	0.09	0.69
		-1.38	-6.48e-03	-2.50e-05	0.0	55.7	0.73	-7.97	-0.17	4.63e-03	-6.48e-03	-1.38
172	166	2.18	-7.23e-03	-3.17e-04	-8.62	0.0	0.75	8.46	0.26	7.50e-03	-0.15	-0.16
		-0.16	-0.15	2.87e-05	0.0	55.7	0.75	-0.16	0.26	7.50e-03	-7.23e-03	2.18
172	172	0.97	0.02	2.38e-04	-8.62	0.0	1.00	3.48	-0.06	0.04	0.02	0.60
		0.09	-0.01	5.14e-05	0.0	55.7	1.00	-5.15	-0.06	0.04	-0.01	0.09
172	175	0.98	-2.10e-03	3.65e-05	-8.62	0.0	0.48	5.65	0.14	-0.03	-0.08	-0.07
		-0.07	-0.08	-4.77e-05	0.0	55.7	0.48	-2.98	0.14	-0.03	-2.10e-03	0.71
172	193	0.50	0.04	6.17e-04	-8.62	0.0	0.65	1.12	-0.08	-0.01	0.04	0.47
		-1.37	-4.95e-03	4.80e-05	0.0	55.7	0.65	-7.50	-0.08	-0.01	-4.95e-03	-1.37
172	194	2.18	-8.75e-03	-3.42e-04	-8.62	0.0	0.83	8.00	0.16	0.03	-0.10	0.05
		0.05	-0.10	-4.43e-05	0.0	55.7	0.83	-0.62	0.16	0.03	-8.75e-03	2.17
172	197	0.69	0.09	5.83e-04	-8.62	0.0	0.74	0.72	-0.17	5.30e-03	0.09	0.68
		-1.35	-6.56e-03	-1.35e-05	0.0	55.7	0.74	-7.91	-0.17	5.30e-03	-6.56e-03	-1.35
172	198	2.15	-7.15e-03	-3.09e-04	-8.62	0.0	0.74	8.40	0.26	6.83e-03	-0.15	-0.15
		-0.15	-0.15	1.72e-05	0.0	55.7	0.74	-0.22	0.26	6.83e-03	-7.15e-03	2.15
172	204	0.98	0.03	2.57e-04	-8.62	0.0	1.03	3.27	-0.07	0.05	0.03	0.65
		0.03	-0.01	7.38e-05	0.0	55.7	1.03	-5.35	-0.07	0.05	-0.01	0.03
172	207	1.01	-1.45e-03	1.80e-05	-8.62	0.0	0.45	5.85	0.16	-0.04	-0.09	-0.13
		-0.13	-0.09	-7.01e-05	0.0	55.7	0.45	-2.78	0.16	-0.04	-1.45e-03	0.78
172	225	0.51	0.05	7.00e-04	-8.62	0.0	0.63	0.52	-0.10	-0.02	0.05	0.51
		-1.68	-4.64e-03	6.02e-05	0.0	55.7	0.63	-8.11	-0.10	-0.02	-4.64e-03	-1.68
172	226	2.48	-9.07e-03	-4.25e-04	-8.62	0.0	0.85	8.60	0.19	0.03	-0.11	0.02
		0.02	-0.11	-5.65e-05	0.0	55.7	0.85	-0.02	0.19	0.03	-9.07e-03	2.48
172	233	0.72	0.11	6.62e-04	-8.62	0.0	0.71	0.11	-0.20	2.07e-03	0.11	0.72
		-1.65	-5.76e-03	-7.23e-06	0.0	55.7	0.71	-8.51	-0.20	2.07e-03	-5.76e-03	-1.65
172	234	2.45	-7.95e-03	-3.87e-04	-8.62	0.0	0.77	9.01	0.29	0.01	-0.17	-0.19
		-0.19	-0.17	1.09e-05	0.0	55.7	0.77	0.39	0.29	0.01	-7.95e-03	2.45
173	3	0.79	-8.85e-05	4.29e-05	-31.23	0.0	-0.03	21.65	1.14e-03	-7.02e-03	-1.25e-03	-3.23
		-3.23	-1.25e-03	1.70e-06	0.0	53.6	-0.03	-9.59	1.14e-03	-7.02e-03	-8.85e-05	-2.45e-06
173	18	0.59	-4.29e-04	3.67e-05	-25.62	0.0	-0.32	18.09	-3.08e-04	-0.01	-1.36e-03	-2.84
		-2.84	-1.36e-03	1.34e-06	0.0	53.6	-0.32	-7.52	-3.08e-04	-0.01	-4.29e-04	-2.12e-06
173	19	0.13	-5.89e-04	1.35e-05	-8.14	0.0	-0.54	6.12	-1.80e-03	-0.01	-8.19e-04	-1.10
		-1.10	-8.19e-04	0.0	0.0	53.6	-0.54	-2.02	-1.80e-03	-0.01	-5.89e-04	0.0
173	28	0.65	5.93e-04	6.10e-05	-31.23	0.0	0.51	22.48	3.83e-03	6.57e-03	-8.07e-04	-3.68
		-3.68	-8.07e-04	2.11e-06	0.0	53.6	0.51	-8.76	3.83e-03	6.57e-03	5.93e-04	-3.03e-06
173	35	0.44	5.44e-04	5.98e-05	-25.62	0.0	0.52	19.12	3.66e-03	6.45e-03	-7.82e-04	-3.38
		-3.38	-7.82e-04	2.05e-06	0.0	53.6	0.52	-6.50	3.66e-03	6.45e-03	5.44e-04	-2.85e-06
173	43	0.48	7.15e-04	5.89e-05	-25.62	0.0	0.45	18.81	3.76e-03	9.47e-03	-7.29e-04	-3.22
		-3.22	-4.05e-04	1.50e-06	0.0	53.6	0.45	-6.81	3.76e-03	9.47e-03	7.15e-04	-2.73e-06
173	67	0.52	-4.36e-05	3.15e-05	-21.47	0.0	-1.05e-03	15.01	9.12e-04	-4.53e-03	-8.79e-04	-2.29
		-2.29	-8.79e-04	1.23e-06	0.0	53.6	-1.05e-03	-6.46	9.12e-04	-4.53e-03	-4.36e-05	-1.75e-06
173	72	0.13	-3.39e-04	1.89e-05	-8.98	0.0	-0.28	6.86	-6.70e-04	-8.81e-03	-7.29e-04	-1.27
		-1.27	-7.29e-04	0.0	0.0	53.6	-0.28	-2.12	-6.70e-04	-8.81e-03	-3.39e-04	0.0
173	75	0.39	-2.71e-04	2.73e-05	-17.72	0.0	-0.19	12.64	-5.60e-05	-8.63e-03	-9.55e-04	-2.03

		-2.03	-9.55e-04	0.0	0.0	53.6	-0.19	-5.08	-5.60e-05	-8.63e-03	-2.71e-04	-1.54e-06
173	80	0.43	4.10e-04	4.35e-05	-21.47	0.0	0.36	15.56	2.71e-03	4.53e-03	-5.87e-04	-2.59
		-2.59	-5.87e-04	1.50e-06	0.0	53.6	0.36	-5.91	2.71e-03	4.53e-03	4.10e-04	-2.14e-06
173	83	0.29	3.78e-04	4.27e-05	-17.72	0.0	0.37	13.32	2.59e-03	4.46e-03	-5.70e-04	-2.39
		-2.39	-5.70e-04	1.46e-06	0.0	53.6	0.37	-4.40	2.59e-03	4.46e-03	3.78e-04	-2.02e-06
173	87	0.32	4.92e-04	4.21e-05	-17.72	0.0	0.32	13.12	2.66e-03	6.47e-03	-3.18e-04	-2.28
		-2.28	-3.18e-04	1.10e-06	0.0	53.6	0.32	-4.60	2.66e-03	6.47e-03	4.92e-04	-1.94e-06
173	98	0.36	2.18e-04	3.38e-05	-17.72	0.0	0.27	12.80	1.97e-03	1.43e-03	-6.67e-04	-2.11
		-2.11	-6.67e-04	1.37e-06	0.0	53.6	0.27	-4.92	1.97e-03	1.43e-03	2.18e-04	-1.70e-06
173	101	0.32	2.07e-04	3.36e-05	-16.47	0.0	0.28	12.06	1.94e-03	1.41e-03	-6.65e-04	-2.05
		-2.05	-6.65e-04	1.37e-06	0.0	53.6	0.28	-4.41	1.94e-03	1.41e-03	2.07e-04	-1.66e-06
173	102	0.10	4.97e-05	2.56e-05	-8.98	0.0	0.12	7.12	1.04e-03	-7.60e-04	-5.43e-04	-1.41
		-1.41	-5.43e-04	0.0	0.0	53.6	0.12	-1.86	1.04e-03	-7.60e-04	4.97e-05	-1.17e-06
173	103	0.33	1.10e-04	3.12e-05	-16.47	0.0	0.17	11.93	1.47e-03	-6.05e-04	-6.89e-04	-1.98
		-1.98	-6.89e-04	1.21e-06	0.0	53.6	0.17	-4.54	1.47e-03	-6.05e-04	1.10e-04	-1.58e-06
173	105	0.32	2.62e-04	3.45e-05	-16.47	0.0	0.27	12.06	2.04e-03	2.43e-03	-5.73e-04	-2.05
		-2.05	-5.73e-04	1.26e-06	0.0	53.6	0.27	-4.41	2.04e-03	2.42e-03	2.62e-04	-1.68e-06
173	106	0.10	1.47e-04	2.73e-05	-8.98	0.0	0.22	7.18	1.46e-03	1.25e-03	-4.97e-04	-1.45
		-1.45	-4.97e-04	0.0	0.0	53.6	0.22	-1.79	1.46e-03	1.25e-03	1.47e-04	-1.22e-06
173	107	0.32	2.08e-04	3.28e-05	-16.47	0.0	0.26	11.99	1.90e-03	1.41e-03	-6.43e-04	-2.02
		-2.02	-6.43e-04	1.31e-06	0.0	53.6	0.26	-4.48	1.90e-03	1.41e-03	2.08e-04	-1.63e-06
173	108	0.36	-0.02	1.94e-05	-16.47	0.0	0.36	11.72	0.13	-0.01	-0.11	-1.87
		-1.87	-0.11	8.99e-05	0.0	53.6	0.36	-4.75	0.13	-0.01	-0.02	-1.52e-06
173	111	0.29	0.11	4.63e-05	-16.47	0.0	0.17	12.27	-0.12	0.02	0.11	-2.16
		-2.16	0.02	-8.73e-05	0.0	53.6	0.17	-4.20	-0.12	0.02	0.02	-1.73e-06
173	125	0.03	7.79e-03	8.30e-05	-16.47	0.0	0.85	15.09	0.10	7.12e-03	7.79e-03	-3.68
		-3.68	3.32e-03	4.18e-05	0.0	53.6	0.85	-1.38	0.10	7.12e-03	3.32e-03	-2.62e-06
173	126	0.93	-2.91e-03	-3.29e-05	-16.47	0.0	-0.32	8.90	-0.09	-4.31e-03	-9.07e-03	-0.36
		-0.36	-9.07e-03	-3.92e-05	0.0	53.6	-0.32	-7.57	-0.09	-4.31e-03	-2.91e-03	0.0
173	129	0.03	0.02	8.35e-05	-16.47	0.0	0.83	15.10	0.08	7.82e-03	0.02	-3.68
		-3.68	5.61e-03	4.91e-05	0.0	53.6	0.83	-1.37	0.08	7.82e-03	5.61e-03	-2.62e-06
173	130	0.93	-5.19e-03	-3.32e-05	-16.47	0.0	-0.30	8.89	-0.07	-5.00e-03	-0.02	-0.35
		-0.35	-0.02	-4.65e-05	0.0	53.6	-0.30	-7.58	-0.07	-5.00e-03	-5.19e-03	0.0
173	140	0.37	-0.03	1.77e-05	-16.47	0.0	0.38	11.69	0.14	-0.02	-0.12	-1.85
		-1.85	-0.12	1.02e-04	0.0	53.6	0.38	-4.78	0.14	-0.02	-0.03	-1.51e-06
173	143	0.28	0.12	4.80e-05	-16.47	0.0	0.15	12.30	-0.14	0.02	0.12	-2.18
		-2.18	0.03	-9.93e-05	0.0	53.6	0.15	-4.17	-0.14	0.02	0.03	-1.75e-06
173	157	0.02	8.74e-03	8.92e-05	-16.47	0.0	0.92	15.48	0.11	7.84e-03	8.74e-03	-3.88
		-3.88	3.69e-03	4.65e-05	0.0	53.6	0.92	-0.99	0.11	7.84e-03	3.69e-03	-2.74e-06
173	158	1.03	-3.28e-03	-3.69e-05	-16.47	0.0	-0.39	8.51	-0.11	-5.02e-03	-0.01	-0.15
		-0.15	-0.01	-4.38e-05	0.0	53.6	-0.39	-7.96	-0.11	-5.02e-03	-3.28e-03	0.0
173	161	0.02	0.02	8.98e-05	-16.47	0.0	0.90	15.49	0.09	8.63e-03	0.02	-3.89
		-3.89	6.29e-03	5.58e-05	0.0	53.6	0.90	-0.98	0.09	8.63e-03	6.29e-03	-2.74e-06
173	162	1.03	-5.88e-03	-3.73e-05	-16.47	0.0	-0.37	8.50	-0.08	-5.81e-03	-0.02	-0.14
		-0.14	-0.02	-5.32e-05	0.0	53.6	-0.37	-7.97	-0.08	-5.81e-03	-5.88e-03	0.0
173	172	0.37	-0.02	1.84e-05	-16.47	0.0	0.38	11.69	0.14	-0.02	-0.12	-1.85
		-1.85	-0.12	1.23e-04	0.0	53.6	0.38	-4.78	0.14	-0.02	-0.02	-1.51e-06
173	175	0.28	0.11	4.72e-05	-16.47	0.0	0.15	12.30	-0.13	0.02	0.11	-2.18
		-2.18	0.02	-1.20e-04	0.0	53.6	0.15	-4.17	-0.13	0.02	0.02	-1.75e-06
173	189	0.02	8.31e-03	8.86e-05	-16.47	0.0	0.91	15.43	0.10	7.97e-03	8.31e-03	-3.86
		-3.86	3.61e-03	4.51e-05	0.0	53.6	0.91	-1.04	0.10	7.97e-03	3.61e-03	-2.72e-06
173	190	1.02	-3.20e-03	-3.65e-05	-16.47	0.0	-0.38	8.56	-0.10	-5.15e-03	-9.59e-03	-0.17
		-0.17	-9.59e-03	-4.25e-05	0.0	53.6	-0.38	-7.91	-0.10	-5.15e-03	-3.20e-03	0.0
173	193	0.02	0.02	8.94e-05	-16.47	0.0	0.90	15.45	0.08	8.64e-03	0.02	-3.87
		-3.87	6.32e-03	6.06e-05	0.0	53.6	0.90	-1.02	0.08	8.64e-03	6.32e-03	-2.73e-06
173	194	1.02	-5.91e-03	-3.70e-05	-16.47	0.0	-0.37	8.54	-0.08	-5.82e-03	-0.02	-0.16
		-0.16	-0.02	-5.80e-05	0.0	53.6	-0.37	-7.93	-0.08	-5.82e-03	-5.91e-03	0.0
173	204	0.38	-0.03	1.64e-05	-16.47	0.0	0.40	11.64	0.16	-0.02	-0.13	-1.83
		-1.83	-0.13	1.56e-04	0.0	53.6	0.40	-4.83	0.16	-0.02	-0.03	-1.48e-06
173	207	0.28	0.13	4.93e-05	-16.47	0.0	0.13	12.35	-0.15	0.02	0.13	-2.20
		-2.20	0.03	-1.53e-04	0.0	53.6	0.13	-4.12	-0.15	0.02	0.03	-1.77e-06
173	221	-2.90e-06	9.70e-03	9.78e-05	-16.47	0.0	1.02	16.00	0.12	9.19e-03	9.70e-03	-4.16
		-4.16	4.15e-03	5.21e-05	0.0	53.6	1.02	-0.47	0.12	9.19e-03	4.15e-03	-2.90e-06
173	222	1.17	-3.73e-03	-4.25e-05	-16.47	0.0	-0.49	7.99	-0.12	-6.37e-03	-0.01	0.13
		0.0	-0.01	-4.95e-05	0.0	53.6	-0.49	-8.48	-0.12	-6.37e-03	-3.73e-03	0.0
173	225	-2.91e-06	0.03	9.88e-05	-16.47	0.0	1.01	16.02	0.09	9.83e-03	0.03	-4.18
		-4.18	7.31e-03	7.38e-05	0.0	53.6	1.01	-0.45	0.09	9.83e-03	7.31e-03	-2.91e-06
173	226	1.18	-6.89e-03	-4.32e-05	-16.47	0.0	-0.48	7.96	-0.09	-7.01e-03	-0.03	0.15
		0.0	-0.03	-7.12e-05	0.0	53.6	-0.48	-8.51	-0.09	-7.01e-03	-6.89e-03	0.0
174	18	-2.11	2.58e-03	5.27e-05	-25.62	0.0	1.82	17.27	-0.01	-0.02	2.58e-03	-5.23
		-5.23	-2.09e-03	1.72e-06	0.0	53.6	1.82	-8.34	-0.01	-0.02	-2.09e-03	-2.84
174	19	-0.93	2.94e-03	1.95e-05	-8.14	0.0	1.09	5.85	-0.01	-0.02	2.94e-03	-2.05
		-2.05	-1.58e-03	0.0	0.0	53.6	1.09	-2.30	-0.01	-0.02	-1.58e-03	-1.10
174	28	-2.86	-4.55e-04	8.33e-05	-31.23	0.0	0.99	21.48	3.57e-03	7.24e-03	-1.63e-03	-6.82
		-6.82	-1.63e-03	2.10e-06	0.0	53.6	0.99	-9.75	3.57e-03	7.24e-03	-4.55e-04	-3.68

174	44	-2.79	2.30e-05	8.19e-05	-25.62	0.0	0.52	18.25	6.13e-03	0.01	-2.11e-03	-6.27
		-6.27	-2.11e-03	1.60e-06	0.0	53.6	0.52	-7.37	6.13e-03	0.01	2.30e-05	-3.35
174	45	-1.56	5.30e-04	4.87e-05	-8.14	0.0	-0.21	6.82	6.39e-03	0.01	-1.76e-03	-3.09
		-3.09	-1.76e-03	0.0	0.0	53.6	-0.21	-1.32	6.39e-03	0.01	5.30e-04	-1.62
174	72	-1.10	1.82e-03	2.60e-05	-8.98	0.0	0.96	6.56	-7.98e-03	-0.01	1.82e-03	-2.38
		-2.38	-1.21e-03	0.0	0.0	53.6	0.96	-2.42	-7.98e-03	-0.01	-1.21e-03	-1.27
174	75	-1.54	1.68e-03	3.88e-05	-17.72	0.0	1.27	12.07	-8.14e-03	-0.01	1.68e-03	-3.75
		-3.75	-1.43e-03	1.25e-06	0.0	53.6	1.27	-5.65	-8.14e-03	-0.01	-1.43e-03	-2.03
174	80	-2.05	-3.44e-04	5.92e-05	-21.47	0.0	0.72	14.87	2.40e-03	4.99e-03	-1.12e-03	-4.81
		-4.81	-1.12e-03	1.50e-06	0.0	53.6	0.72	-6.59	2.40e-03	4.99e-03	-3.44e-04	-2.59
174	85	-1.52	1.93e-04	4.54e-05	-8.98	0.0	0.10	7.21	4.28e-03	8.00e-03	-1.31e-03	-3.08
		-3.08	-1.31e-03	0.0	0.0	53.6	0.10	-1.77	4.28e-03	8.00e-03	1.93e-04	-1.62
174	88	-2.00	-2.51e-05	5.83e-05	-17.72	0.0	0.40	12.72	4.11e-03	7.81e-03	-1.45e-03	-4.44
		-4.44	-1.45e-03	1.16e-06	0.0	53.6	0.40	-5.00	4.11e-03	7.81e-03	-2.51e-05	-2.37
174	98	-1.65	-4.90e-04	4.69e-05	-17.72	0.0	0.87	12.22	1.12e-05	9.72e-04	-4.90e-04	-3.91
		-3.91	-5.93e-04	1.43e-06	0.0	53.6	0.87	-5.50	1.12e-05	9.72e-04	-5.93e-04	-2.11
174	102	-1.27	6.81e-05	3.38e-05	-8.98	0.0	0.70	6.82	-1.51e-03	-1.63e-03	6.81e-05	-2.66
		-2.66	-5.87e-04	0.0	0.0	53.6	0.70	-2.16	-1.51e-03	-1.63e-03	-5.87e-04	-1.41
174	103	-1.56	-3.43e-05	4.33e-05	-16.47	0.0	0.90	11.39	-1.59e-03	-1.75e-03	-3.43e-05	-3.67
		-3.67	-7.26e-04	1.31e-06	0.0	53.6	0.90	-5.08	-1.59e-03	-1.75e-03	-7.26e-04	-1.98
174	104	-1.36	-3.06e-04	3.76e-05	-8.98	0.0	0.53	6.95	9.36e-04	2.50e-03	-5.58e-04	-2.80
		-2.80	-5.58e-04	0.0	0.0	53.6	0.53	-2.03	9.36e-04	2.50e-03	-3.06e-04	-1.48
174	106	-1.32	-3.71e-04	3.57e-05	-8.98	0.0	0.64	6.89	1.01e-04	1.12e-03	-3.71e-04	-2.73
		-2.73	-4.31e-04	1.03e-06	0.0	53.6	0.64	-2.09	1.01e-04	1.12e-03	-4.31e-04	-1.45
174	107	-1.61	-4.73e-04	4.53e-05	-16.47	0.0	0.83	11.46	2.40e-05	9.93e-04	-4.73e-04	-3.74
		-3.74	-5.69e-04	1.37e-06	0.0	53.6	0.83	-5.01	2.40e-05	9.93e-04	-5.69e-04	-2.02
174	108	-1.40	-0.01	3.74e-05	-16.47	0.0	1.00	11.11	-0.19	-0.02	-0.01	-3.41
		-3.41	-0.11	9.08e-05	0.0	53.6	1.00	-5.36	-0.19	-0.02	-0.11	-1.87
174	111	-1.81	0.11	5.31e-05	-16.47	0.0	0.67	11.80	0.19	0.03	9.12e-03	-4.08
		-4.08	9.12e-03	-8.80e-05	0.0	53.6	0.67	-4.67	0.19	0.03	0.11	-2.16
174	128	0.50	-5.90e-03	-2.87e-05	-16.47	0.0	1.19	8.42	-0.09	-0.02	-5.90e-03	-0.66
		-0.66	-0.06	2.16e-05	0.0	53.6	1.19	-8.05	-0.09	-0.02	-0.06	-0.56
174	129	-3.65	0.02	1.08e-04	-16.47	0.0	0.53	14.89	0.04	0.01	2.23e-03	-7.25
		-7.25	2.23e-03	4.64e-05	0.0	53.6	0.53	-1.58	0.04	0.01	0.02	-3.68
174	130	0.81	-3.17e-03	-3.28e-05	-16.47	0.0	1.14	8.03	-0.04	-8.98e-03	-3.17e-03	-0.24
		-0.35	-0.02	-4.37e-05	0.0	53.6	1.14	-8.44	-0.04	-8.98e-03	-0.02	-0.35
174	131	-3.41	0.05	1.01e-04	-16.47	0.0	0.48	14.49	0.09	0.02	4.96e-03	-6.83
		-6.83	4.96e-03	-1.88e-05	0.0	53.6	0.48	-1.98	0.09	0.02	0.05	-3.48
174	140	-1.38	-0.01	3.64e-05	-16.47	0.0	1.02	11.06	-0.21	-0.03	-0.01	-3.37
		-3.37	-0.12	1.03e-04	0.0	53.6	1.02	-5.41	-0.21	-0.03	-0.12	-1.85
174	143	-1.84	0.12	5.41e-05	-16.47	0.0	0.65	11.85	0.21	0.03	0.01	-4.12
		-4.12	0.01	-1.00e-04	0.0	53.6	0.65	-4.62	0.21	0.03	0.12	-2.18
174	160	0.78	-6.57e-03	-3.29e-05	-16.47	0.0	1.23	8.04	-0.10	-0.02	-6.57e-03	-0.27
		-0.37	-0.06	2.60e-05	0.0	53.6	1.23	-8.43	-0.10	-0.02	-0.06	-0.37
174	161	-3.87	0.03	1.16e-04	-16.47	0.0	0.49	15.32	0.04	0.01	2.57e-03	-7.69
		-7.69	2.57e-03	5.28e-05	0.0	53.6	0.49	-1.15	0.04	0.01	0.03	-3.89
174	162	1.14	-3.51e-03	-3.79e-05	-16.47	0.0	1.18	7.60	-0.04	-0.01	-3.51e-03	0.20
		-0.14	-0.03	-5.01e-05	0.0	53.6	1.18	-8.87	-0.04	-0.01	-0.03	-0.14
174	163	-3.62	0.06	1.08e-04	-16.47	0.0	0.43	14.87	0.10	0.02	5.62e-03	-7.22
		-7.22	5.62e-03	-2.33e-05	0.0	53.6	0.43	-1.60	0.10	0.02	0.06	-3.66
174	172	-1.38	-0.01	3.62e-05	-16.47	0.0	1.01	11.06	-0.20	-0.02	-0.01	-3.37
		-3.37	-0.12	1.24e-04	0.0	53.6	1.01	-5.41	-0.20	-0.02	-0.12	-1.85
174	175	-1.84	0.12	5.43e-05	-16.47	0.0	0.66	11.85	0.20	0.03	9.99e-03	-4.12
		-4.12	9.99e-03	-1.21e-04	0.0	53.6	0.66	-4.62	0.20	0.03	0.12	-2.18
174	192	0.74	-6.38e-03	-3.24e-05	-16.47	0.0	1.23	8.09	-0.10	-0.02	-6.38e-03	-0.32
		-0.40	-0.06	4.45e-05	0.0	53.6	1.23	-8.38	-0.10	-0.02	-0.06	-0.40
174	193	-3.85	0.02	1.15e-04	-16.47	0.0	0.49	15.27	0.04	0.01	2.55e-03	-7.64
		-7.64	2.55e-03	5.83e-05	0.0	53.6	0.49	-1.20	0.04	0.01	0.02	-3.87
174	194	1.10	-3.49e-03	-3.74e-05	-16.47	0.0	1.18	7.64	-0.04	-0.01	-3.49e-03	0.15
		-0.16	-0.03	-5.55e-05	0.0	53.6	1.18	-8.83	-0.04	-0.01	-0.03	-0.16
174	195	-3.59	0.06	1.07e-04	-16.47	0.0	0.44	14.82	0.10	0.02	5.44e-03	-7.17
		-7.17	5.44e-03	-4.18e-05	0.0	53.6	0.44	-1.65	0.10	0.02	0.06	-3.64
174	204	-1.34	-0.01	3.47e-05	-16.47	0.0	1.04	11.00	-0.23	-0.03	-0.01	-3.31
		-3.31	-0.14	1.57e-04	0.0	53.6	1.04	-5.47	-0.23	-0.03	-0.14	-1.83
174	207	-1.87	0.13	5.59e-05	-16.47	0.0	0.63	11.92	0.23	0.03	0.01	-4.18
		-4.18	0.01	-1.54e-04	0.0	53.6	0.63	-4.55	0.23	0.03	0.13	-2.20
174	224	1.16	-7.33e-03	-3.90e-05	-16.47	0.0	1.29	7.55	-0.11	-0.02	-7.33e-03	0.23
		-0.14	-0.07	6.26e-05	0.0	53.6	1.29	-8.92	-0.11	-0.02	-0.07	-0.14
174	225	-4.18	0.03	1.26e-04	-16.47	0.0	0.43	15.90	0.05	0.01	3.02e-03	-8.29
		-8.29	3.02e-03	7.14e-05	0.0	53.6	0.43	-0.57	0.05	0.01	0.03	-4.18
174	226	1.60	-3.97e-03	-4.54e-05	-16.47	0.0	1.23	7.01	-0.05	-0.01	-3.97e-03	0.80
		0.15	-0.03	-6.87e-05	0.0	53.6	1.23	-9.46	-0.05	-0.01	-0.03	0.15
174	227	-3.88	0.07	1.17e-04	-16.47	0.0	0.38	15.36	0.11	0.03	6.39e-03	-7.72
		-7.72	6.39e-03	-5.99e-05	0.0	53.6	0.38	-1.11	0.11	0.03	0.07	-3.90
175	4	-5.00	3.70e-03	1.15e-04	-31.23	0.0	1.44	19.40	-8.48e-03	-0.01	3.70e-03	-8.23

		-8.23	5.78e-04	2.27e-06	0.0	53.6	1.44	-11.83	-8.48e-03	-0.01	5.78e-04	-6.20
175	19	-1.80	5.56e-03	3.58e-05	-8.14	0.0	0.71	5.36	-0.01	-0.02	5.56e-03	-2.74
		-2.74	1.91e-03	0.0	0.0	53.6	0.71	-2.79	-0.01	-0.02	1.91e-03	-2.05
175	22	-3.26	5.90e-03	7.10e-05	-21.26	0.0	1.11	13.09	-0.01	-0.02	5.90e-03	-5.42
		-5.42	1.68e-03	1.40e-06	0.0	53.6	1.11	-8.17	-0.01	-0.02	1.68e-03	-4.10
175	28	-5.73	-1.27e-03	1.38e-04	-31.23	0.0	1.10	19.92	1.86e-03	6.89e-03	-1.56e-03	-9.13
		-9.13	-1.56e-03	2.13e-06	0.0	53.6	1.10	-11.31	1.86e-03	6.89e-03	-1.27e-03	-6.82
175	41	-3.98	-1.29e-03	9.77e-05	-12.50	0.0	0.40	9.13	6.00e-03	0.01	-3.20e-03	-5.76
		-5.76	-3.20e-03	0.0	0.0	53.6	0.40	-3.38	6.00e-03	0.01	-1.29e-03	-4.22
175	45	-2.97	-1.16e-03	7.45e-05	-8.14	0.0	0.15	6.22	6.21e-03	0.01	-3.20e-03	-4.25
		-4.25	-3.20e-03	0.0	0.0	53.6	0.15	-1.92	6.21e-03	0.01	-1.16e-03	-3.09
175	68	-3.59	2.42e-03	8.25e-05	-21.47	0.0	1.02	13.44	-5.60e-03	-9.34e-03	2.42e-03	-5.85
		-5.85	3.55e-04	1.62e-06	0.0	53.6	1.02	-8.03	-5.60e-03	-9.34e-03	3.55e-04	-4.39
175	72	-2.12	3.66e-03	4.51e-05	-8.98	0.0	0.70	6.01	-7.43e-03	-0.01	3.66e-03	-3.20
		-3.20	1.16e-03	0.0	0.0	53.6	0.70	-2.97	-7.43e-03	-0.01	1.16e-03	-2.38
175	75	-3.10	3.89e-03	6.86e-05	-17.72	0.0	0.96	11.16	-8.26e-03	-0.02	3.89e-03	-4.99
		-4.99	1.00e-03	1.33e-06	0.0	53.6	0.96	-6.55	-8.26e-03	-0.02	1.00e-03	-3.75
175	80	-4.07	-8.75e-04	9.80e-05	-21.47	0.0	0.79	13.78	1.29e-03	4.76e-03	-1.08e-03	-6.45
		-6.45	-1.08e-03	1.52e-06	0.0	53.6	0.79	-7.68	1.29e-03	4.76e-03	-8.75e-04	-4.81
175	85	-2.91	-8.91e-04	7.09e-05	-8.98	0.0	0.32	6.59	4.06e-03	8.78e-03	-2.18e-03	-4.20
		-4.20	-2.18e-03	0.0	0.0	53.6	0.32	-2.39	4.06e-03	8.78e-03	-2.18e-04	-3.08
175	98	-3.30	-1.02e-05	7.85e-05	-17.72	0.0	0.81	11.34	-7.41e-04	3.90e-04	-1.02e-05	-5.24
		-5.24	-4.50e-04	1.47e-06	0.0	53.6	0.81	-6.38	-7.41e-04	3.90e-04	-4.50e-04	-3.91
175	102	-2.44	5.82e-04	5.55e-05	-8.98	0.0	0.62	6.25	-1.54e-03	-2.20e-03	5.82e-04	-3.60
		-3.60	-2.29e-05	1.00e-06	0.0	53.6	0.62	-2.73	-1.54e-03	-2.20e-03	-2.29e-05	-2.66
175	103	-3.11	7.34e-04	7.30e-05	-16.47	0.0	0.80	10.56	-2.12e-03	-2.66e-03	7.34e-04	-4.92
		-4.92	-1.36e-04	1.35e-06	0.0	53.6	0.80	-5.91	-2.12e-03	-2.66e-03	-1.36e-04	-3.67
175	104	-2.60	-4.33e-04	6.06e-05	-8.98	0.0	0.54	6.36	7.55e-04	2.50e-03	-5.86e-04	-3.80
		-3.80	-5.86e-04	0.0	0.0	53.6	0.54	-2.62	7.55e-04	2.50e-03	-4.33e-04	-2.80
175	106	-2.52	-1.88e-04	5.80e-05	-8.98	0.0	0.60	6.30	-7.01e-05	9.28e-04	-1.88e-04	-3.71
		-3.71	-3.18e-04	1.06e-06	0.0	53.6	0.60	-2.67	-7.01e-05	9.28e-04	-3.18e-04	-2.73
175	107	-3.19	-3.56e-05	7.56e-05	-16.47	0.0	0.78	10.62	-6.45e-04	4.67e-04	-3.56e-05	-5.02
		-5.02	-4.31e-04	1.41e-06	0.0	53.6	0.78	-5.85	-6.45e-04	4.67e-04	-4.31e-04	-3.74
175	108	-2.78	7.21e-03	6.60e-05	-16.47	0.0	0.85	10.24	-0.04	-0.02	7.21e-03	-4.48
		-4.48	-0.02	8.08e-05	0.0	53.6	0.85	-6.23	-0.04	-0.02	-0.02	-3.41
175	111	-3.59	0.01	8.52e-05	-16.47	0.0	0.71	10.99	0.04	0.03	-7.28e-03	-5.56
		-5.56	-7.28e-03	-7.80e-05	0.0	53.6	0.71	-5.48	0.04	0.03	0.01	-4.08
175	128	0.61	5.32e-03	-2.70e-05	-16.47	0.0	0.92	7.63	-0.03	-0.02	5.32e-03	-0.33
		-0.66	-9.65e-03	1.43e-05	0.0	53.6	0.92	-8.84	-0.03	-0.02	-9.65e-03	-0.66
175	129	-7.15	4.48e-03	1.69e-04	-16.47	0.0	0.66	13.97	0.01	0.01	-3.06e-03	-10.33
		-10.33	-3.06e-03	4.55e-05	0.0	53.6	0.66	-2.50	0.01	0.01	4.48e-03	-7.25
175	130	-1.14	2.99e-03	-3.37e-05	-16.47	0.0	0.90	7.26	-0.02	-0.01	2.99e-03	0.28
		-0.24	-5.34e-03	-4.27e-05	0.0	53.6	0.90	-9.21	-0.02	-0.01	-5.34e-03	-0.24
175	131	-6.70	8.79e-03	1.59e-04	-16.47	0.0	0.64	13.60	0.03	0.02	-5.39e-03	-9.71
		-9.71	-5.39e-03	-1.15e-05	0.0	53.6	0.64	-2.87	0.03	0.02	8.79e-03	-6.83
175	140	-2.73	8.11e-03	6.48e-05	-16.47	0.0	0.86	10.20	-0.05	-0.03	8.11e-03	-4.42
		-4.42	-0.02	9.17e-05	0.0	53.6	0.86	-6.27	-0.05	-0.03	-0.02	-3.37
175	143	-3.64	0.02	8.64e-05	-16.47	0.0	0.71	11.04	0.05	0.03	-8.18e-03	-5.63
		-5.63	-8.18e-03	-8.88e-05	0.0	53.6	0.71	-5.43	0.05	0.03	0.02	-4.12
175	160	1.11	5.97e-03	-3.34e-05	-16.47	0.0	0.94	7.26	-0.03	-0.02	5.97e-03	0.25
		-0.27	-0.01	1.78e-05	0.0	53.6	0.94	-9.21	-0.03	-0.02	-0.01	-0.27
175	161	-7.62	5.10e-03	1.81e-04	-16.47	0.0	0.65	14.39	0.02	0.01	-3.45e-03	-10.99
		-10.99	-3.45e-03	5.19e-05	0.0	53.6	0.65	-2.08	0.02	0.01	5.10e-03	-7.69
175	162	1.71	3.38e-03	-4.16e-05	-16.47	0.0	0.92	6.84	-0.02	-0.01	3.38e-03	0.95
		0.20	-5.96e-03	-4.91e-05	0.0	53.6	0.92	-9.63	-0.02	-0.01	-5.96e-03	0.20
175	163	-7.12	9.91e-03	1.69e-04	-16.47	0.0	0.63	13.97	0.03	0.02	-6.04e-03	-10.30
		-10.30	-6.04e-03	-1.50e-05	0.0	53.6	0.63	-2.50	0.03	0.02	9.91e-03	-7.22
175	172	-2.73	7.62e-03	6.45e-05	-16.47	0.0	0.86	10.19	-0.04	-0.03	7.62e-03	-4.42
		-4.42	-0.02	1.13e-04	0.0	53.6	0.86	-6.28	-0.04	-0.03	-0.02	-3.37
175	175	-3.64	0.02	8.66e-05	-16.47	0.0	0.71	11.04	0.04	0.03	-7.69e-03	-5.63
		-5.63	-7.69e-03	-1.10e-04	0.0	53.6	0.71	-5.43	0.04	0.03	0.02	-4.12
175	188	1.07	6.45e-03	-3.30e-05	-16.47	0.0	0.94	7.29	-0.03	-0.02	6.45e-03	0.21
		-0.30	-0.01	2.52e-05	0.0	53.6	0.94	-9.18	-0.03	-0.02	-0.01	-0.30
175	191	-7.09	0.01	1.68e-04	-16.47	0.0	0.63	13.95	0.03	0.02	-6.52e-03	-10.25
		-10.25	-6.52e-03	-2.23e-05	0.0	53.6	0.63	-2.52	0.03	0.02	0.01	-7.19
175	193	-7.57	5.15e-03	1.80e-04	-16.47	0.0	0.65	14.34	0.02	0.01	-3.50e-03	-10.92
		-10.92	-3.50e-03	5.78e-05	0.0	53.6	0.65	-2.13	0.02	0.01	5.15e-03	-7.64
175	194	1.65	3.43e-03	-4.08e-05	-16.47	0.0	0.92	6.89	-0.02	-0.01	3.43e-03	0.87
		0.15	-6.01e-03	-5.49e-05	0.0	53.6	0.92	-9.58	-0.02	-0.01	-6.01e-03	0.15
175	204	-2.65	8.67e-03	6.26e-05	-16.47	0.0	0.87	10.12	-0.05	-0.03	8.67e-03	-4.31
		-4.31	-0.02	1.45e-04	0.0	53.6	0.87	-6.35	-0.05	-0.03	-0.02	-3.31
175	207	-3.72	0.02	8.85e-05	-16.47	0.0	0.70	11.12	0.05	0.03	-8.74e-03	-5.73
		-5.73	-8.74e-03	-1.42e-04	0.0	53.6	0.70	-5.35	0.05	0.03	0.02	-4.18
175	220	1.80	7.43e-03	-4.33e-05	-16.47	0.0	0.96	6.74	-0.04	-0.03	7.43e-03	1.07
		0.26	-0.01	3.63e-05	0.0	53.6	0.96	-9.73	-0.04	-0.03	-0.01	0.26

175	223	-7.69	0.01	1.84e-04	-16.47	0.0	0.61	14.49	0.04	0.03	-7.51e-03	-11.11
		-11.11	-7.51e-03	-3.34e-05	0.0	53.6	0.61	-1.98	0.04	0.03	0.01	-7.75
175	225	-8.26	6.08e-03	1.97e-04	-16.47	0.0	0.63	14.96	0.02	0.02	-4.09e-03	-11.90
		-11.90	-4.09e-03	7.12e-05	0.0	53.6	0.63	-1.51	0.02	0.02	6.08e-03	-8.29
175	226	2.49	4.02e-03	-5.34e-05	-16.47	0.0	0.94	6.27	-0.02	-0.01	4.02e-03	1.85
		0.80	-6.94e-03	-6.83e-05	0.0	53.6	0.94	-10.20	-0.02	-0.01	-6.94e-03	0.80
176	4	-6.56	3.16e-03	1.87e-04	-31.23	0.0	2.46	17.27	-3.02e-03	-0.01	3.16e-03	-9.12
		-9.12	2.99e-03	2.22e-06	0.0	53.6	2.46	-13.97	-3.02e-03	-0.01	2.99e-03	-8.23
176	15	-3.65	6.86e-03	9.66e-05	-12.50	0.0	1.46	7.18	-8.62e-03	-0.02	6.86e-03	-4.76
		-4.76	4.45e-03	0.0	0.0	53.6	1.46	-5.32	-8.62e-03	-0.02	4.45e-03	-4.26
176	19	-2.34	6.82e-03	5.99e-05	-8.14	0.0	1.02	4.66	-8.54e-03	-0.02	6.82e-03	-3.06
		-3.06	4.45e-03	0.0	0.0	53.6	1.02	-3.48	-8.54e-03	-0.02	4.45e-03	-2.74
176	28	-7.54	-1.23e-03	2.20e-04	-31.23	0.0	2.23	17.61	2.76e-03	5.32e-03	-2.11e-03	-10.20
		-10.20	-2.11e-03	2.12e-06	0.0	53.6	2.23	-13.62	2.76e-03	5.32e-03	-1.23e-03	-9.13
176	45	-3.97	-1.96e-03	1.14e-04	-8.14	0.0	0.64	5.24	1.10e-03	0.01	-1.96e-03	-4.87
		-4.87	-2.58e-03	0.0	0.0	53.6	0.64	-2.91	1.10e-03	0.01	-2.58e-03	-4.25
176	48	-5.90	-2.28e-03	1.72e-04	-21.26	0.0	1.39	12.24	3.15e-03	0.01	-2.88e-03	-7.79
		-7.79	-2.88e-03	1.19e-06	0.0	53.6	1.39	-9.02	3.15e-03	0.01	-2.28e-03	-6.92
176	68	-4.71	2.23e-03	1.34e-04	-21.47	0.0	1.74	11.93	-2.29e-03	-9.53e-03	2.23e-03	-6.49
		-6.49	1.96e-03	1.59e-06	0.0	53.6	1.74	-9.53	-2.29e-03	-9.53e-03	1.96e-03	-5.85
176	72	-2.78	4.70e-03	7.35e-05	-8.98	0.0	1.08	5.21	-6.02e-03	-0.01	4.70e-03	-3.59
		-3.59	2.93e-03	0.0	0.0	53.6	1.08	-3.77	-6.02e-03	-0.01	2.93e-03	-3.20
176	80	-5.37	-8.52e-04	1.55e-04	-21.47	0.0	1.59	12.17	1.56e-03	3.74e-03	-1.28e-03	-7.22
		-7.22	-1.28e-03	1.52e-06	0.0	53.6	1.59	-9.30	1.56e-03	3.74e-03	-8.52e-04	-6.45
176	85	-3.86	-1.15e-03	1.09e-04	-8.98	0.0	0.82	5.59	4.07e-04	8.24e-03	-1.15e-03	-4.79
		-4.79	-1.75e-03	0.0	0.0	53.6	0.82	-3.38	4.07e-04	8.24e-03	-1.75e-03	-4.20
176	88	-5.15	-1.56e-03	1.48e-04	-17.72	0.0	1.32	10.26	1.77e-03	7.11e-03	-1.76e-03	-6.74
		-6.74	-1.76e-03	1.19e-06	0.0	53.6	1.32	-7.46	1.77e-03	7.11e-03	-1.56e-03	-5.99
176	98	-4.35	1.09e-04	1.25e-04	-17.72	0.0	1.47	10.03	-1.96e-04	-1.21e-04	1.09e-04	-5.87
		-5.87	2.91e-06	1.47e-06	0.0	53.6	1.47	-7.69	-1.96e-04	-1.21e-04	2.91e-06	-5.24
176	102	-3.22	1.43e-03	8.79e-05	-8.98	0.0	1.07	5.37	-2.24e-03	-2.10e-03	1.43e-03	-4.08
		-4.08	4.68e-04	1.02e-06	0.0	53.6	1.07	-3.61	-2.24e-03	-2.10e-03	4.68e-04	-3.60
176	104	-3.43	2.63e-04	9.50e-05	-8.98	0.0	1.02	5.45	-9.53e-04	2.33e-03	2.63e-04	-4.32
		-4.32	-4.68e-04	0.0	0.0	53.6	1.02	-3.53	-9.53e-04	2.33e-03	-4.68e-04	-3.80
176	106	-3.33	6.15e-04	9.15e-05	-8.98	0.0	1.07	5.41	-1.29e-03	8.50e-04	6.15e-04	-4.20
		-4.20	-1.47e-04	1.08e-06	0.0	53.6	1.07	-3.57	-1.29e-03	8.50e-04	-1.47e-04	-3.71
176	107	-4.20	1.81e-04	1.20e-04	-16.47	0.0	1.41	9.37	-3.53e-04	1.77e-05	1.81e-04	-5.63
		-5.63	-1.85e-05	1.41e-06	0.0	53.6	1.41	-7.10	-3.53e-04	1.77e-05	-1.85e-05	-5.02
176	108	-3.59	4.57e-03	1.06e-04	-16.47	0.0	1.38	9.05	0.05	-0.03	-0.02	-4.92
		-4.92	-0.02	6.86e-05	0.0	53.6	1.38	-7.42	0.05	-0.03	4.57e-03	-4.48
176	111	-4.81	0.02	1.35e-04	-16.47	0.0	1.45	9.68	-0.05	0.03	0.02	-6.34
		-6.34	-4.60e-03	-6.58e-05	0.0	53.6	1.45	-6.79	-0.05	0.03	-4.60e-03	-5.56
176	129	-9.98	7.71e-03	2.70e-04	-16.47	0.0	1.29	11.80	-0.02	0.01	7.71e-03	-12.24
		-12.24	-1.44e-03	4.49e-05	0.0	53.6	1.29	-4.67	-0.02	0.01	-1.44e-03	-10.33
176	130	1.76	1.41e-03	-4.10e-05	-16.47	0.0	1.54	6.93	0.02	-0.01	-7.34e-03	0.98
		0.28	-7.34e-03	-4.21e-05	0.0	53.6	1.54	-9.54	0.02	-0.01	1.41e-03	0.28
176	133	-9.56	3.96e-04	2.57e-04	-16.47	0.0	1.25	11.60	-6.98e-04	1.82e-03	3.96e-04	-11.75
		-11.75	6.14e-06	5.66e-06	0.0	53.6	1.25	-4.87	-6.98e-04	1.82e-03	6.14e-06	-9.94
176	134	1.32	-3.28e-05	-3.29e-05	-16.47	0.0	1.57	7.13	-7.64e-06	-1.79e-03	-3.28e-05	0.49
		-0.10	-4.32e-05	-2.83e-06	0.0	53.6	1.57	-9.34	-7.64e-06	-1.79e-03	-4.32e-05	-0.10
176	140	-3.51	5.14e-03	1.04e-04	-16.47	0.0	1.37	9.01	0.05	-0.03	-0.02	-4.83
		-4.83	-0.02	7.79e-05	0.0	53.6	1.37	-7.46	0.05	-0.03	5.14e-03	-4.42
176	143	-4.89	0.02	1.37e-04	-16.47	0.0	1.45	9.72	-0.05	0.03	0.02	-6.43
		-6.43	-5.18e-03	-7.51e-05	0.0	53.6	1.45	-6.75	-0.05	0.03	-5.18e-03	-5.63
176	161	-10.68	8.66e-03	2.88e-04	-16.47	0.0	1.27	12.10	-0.02	0.01	8.66e-03	-13.07
		-13.07	-1.62e-03	5.12e-05	0.0	53.6	1.27	-4.37	-0.02	0.01	-1.62e-03	-10.99
176	162	2.52	1.58e-03	-5.46e-05	-16.47	0.0	1.56	6.63	0.02	-0.01	-8.30e-03	1.81
		0.95	-8.30e-03	-4.84e-05	0.0	53.6	1.56	-9.84	0.02	-0.01	1.58e-03	0.95
176	165	-10.21	3.92e-04	2.75e-04	-16.47	0.0	1.24	11.88	-6.75e-04	2.02e-03	3.92e-04	-12.51
		-12.51	1.48e-05	6.92e-06	0.0	53.6	1.24	-4.59	-6.75e-04	2.02e-03	1.48e-05	-10.55
176	166	2.01	-2.96e-05	-4.43e-05	-16.47	0.0	1.59	6.86	-3.09e-05	-1.98e-03	-2.96e-05	1.25
		0.51	-5.18e-05	-4.09e-06	0.0	53.6	1.59	-9.61	-3.09e-05	-1.98e-03	-5.18e-05	0.51
176	172	-3.51	4.94e-03	1.04e-04	-16.47	0.0	1.38	9.01	0.05	-0.03	-0.02	-4.83
		-4.83	-0.02	9.98e-05	0.0	53.6	1.38	-7.46	0.05	-0.03	4.94e-03	-4.42
176	175	-4.89	0.02	1.37e-04	-16.47	0.0	1.45	9.73	-0.05	0.03	0.02	-6.43
		-6.43	-4.97e-03	-9.69e-05	0.0	53.6	1.45	-6.74	-0.05	0.03	-4.97e-03	-5.63
176	193	-10.60	8.75e-03	2.86e-04	-16.47	0.0	1.27	12.06	-0.02	0.01	8.75e-03	-12.97
		-12.97	-1.62e-03	5.75e-05	0.0	53.6	1.27	-4.41	-0.02	0.01	-1.62e-03	-10.92
176	194	2.43	1.58e-03	-5.30e-05	-16.47	0.0	1.55	6.67	0.02	-0.01	-8.38e-03	1.71
		0.87	-8.38e-03	-5.46e-05	0.0	53.6	1.55	-9.80	0.02	-0.01	1.58e-03	0.87
176	197	-10.10	7.51e-05	2.71e-04	-16.47	0.0	1.24	11.83	6.41e-05	1.69e-03	5.73e-05	-12.37
		-12.37	5.73e-05	1.90e-05	0.0	53.6	1.24	-4.64	6.41e-05	1.69e-03	7.51e-05	-10.44
176	198	1.89	3.05e-04	-4.22e-05	-16.47	0.0	1.59	6.91	-7.70e-04	-1.66e-03	3.05e-04	1.11
		0.40	-1.12e-04	-1.62e-05	0.0	53.6	1.59	-9.56	-7.70e-04	-1.66e-03	-1.12e-04	0.40
176	204	-3.39	5.69e-03	1.01e-04	-16.47	0.0	1.37	8.95	0.06	-0.03	-0.02	-4.69

		-4.69	-0.02	1.30e-04	0.0	53.6	1.37	-7.52	0.06	-0.03	5.69e-03	-4.31
176	207	-5.01	0.02	1.40e-04	-16.47	0.0	1.45	9.79	-0.06	0.03	0.02	-6.57
		-6.57	-5.72e-03	-1.27e-04	0.0	53.6	1.45	-6.68	-0.06	0.03	-5.72e-03	-5.73
176	225	-11.64	0.01	3.14e-04	-16.47	0.0	1.25	12.51	-0.02	0.02	0.01	-14.19
		-14.19	-1.88e-03	7.11e-05	0.0	53.6	1.25	-3.96	-0.02	0.02	-1.88e-03	-11.90
176	226	3.56	1.84e-03	-7.55e-05	-16.47	0.0	1.58	6.22	0.02	-0.02	-9.82e-03	2.93
		1.85	-9.82e-03	-6.83e-05	0.0	53.6	1.58	-10.25	0.02	-0.02	1.84e-03	1.85
176	229	-11.02	-1.11e-04	2.96e-04	-16.47	0.0	1.21	12.22	3.92e-04	1.92e-03	-8.12e-05	-13.45
		-13.45	-8.12e-05	2.90e-05	0.0	53.6	1.21	-4.25	3.92e-04	1.92e-03	1.11e-04	-11.31
176	230	2.88	4.44e-04	-6.03e-05	-16.47	0.0	1.62	6.51	-1.10e-03	-1.88e-03	4.44e-04	2.19
		1.27	-1.48e-04	-2.61e-05	0.0	53.6	1.62	-9.96	-1.10e-03	-1.88e-03	-1.48e-04	1.27
177	19	-2.11	7.04e-03	9.86e-05	-8.14	0.0	1.71	2.78	-4.90e-03	-0.01	7.04e-03	-2.37
		-3.06	5.87e-03	0.0	0.0	53.6	1.71	-5.36	-4.90e-03	-0.01	5.87e-03	-3.06
177	22	-3.73	7.88e-03	1.93e-04	-21.26	0.0	3.05	7.93	-8.85e-03	-0.01	7.88e-03	-4.53
		-5.97	4.85e-03	1.51e-06	0.0	53.6	3.05	-13.33	-8.85e-03	-0.01	4.85e-03	-5.97
177	28	-6.92	-1.87e-03	3.47e-04	-31.23	0.0	4.12	11.68	1.59e-03	2.04e-03	-2.39e-03	-8.09
		-10.20	-2.39e-03	2.16e-06	0.0	53.6	4.12	-19.55	1.59e-03	2.04e-03	-1.87e-03	-10.20
177	41	-5.10	-1.34e-03	2.32e-04	-12.50	0.0	2.16	4.22	8.97e-03	7.88e-03	-5.14e-03	-5.48
		-6.57	-5.14e-03	0.0	0.0	53.6	2.16	-8.28	8.97e-03	7.88e-03	-1.34e-03	-6.57
177	45	-3.89	-1.39e-03	1.74e-04	-8.14	0.0	1.39	2.69	8.55e-03	7.88e-03	-4.98e-03	-4.13
		-4.87	-4.98e-03	0.0	0.0	53.6	1.39	-5.45	8.55e-03	7.88e-03	-1.39e-03	-4.87
177	52	-6.40	-1.54e-06	3.24e-04	-31.23	0.0	4.33	11.72	-1.41e-03	-1.94e-03	-1.54e-06	-7.58
		-9.67	-5.85e-04	2.59e-06	0.0	53.6	4.33	-19.52	-1.41e-03	-1.94e-03	-5.85e-04	-9.67
177	72	-2.55	4.42e-03	1.19e-04	-8.98	0.0	1.83	3.08	-2.36e-03	-7.65e-03	4.42e-03	-2.83
		-3.59	4.08e-03	0.0	0.0	53.6	1.83	-5.90	-2.36e-03	-7.65e-03	4.08e-03	-3.59
177	75	-3.63	4.98e-03	1.82e-04	-17.72	0.0	2.72	6.51	-5.00e-03	-9.20e-03	4.98e-03	-4.27
		-5.53	3.40e-03	1.38e-06	0.0	53.6	2.72	-11.21	-5.00e-03	-9.20e-03	3.40e-03	-5.53
177	80	-4.95	-1.10e-03	2.45e-04	-21.47	0.0	2.92	7.99	1.69e-03	1.61e-03	-1.76e-03	-5.74
		-7.22	-1.76e-03	1.53e-06	0.0	53.6	2.92	-13.47	1.69e-03	1.61e-03	-1.10e-03	-7.22
177	85	-3.73	-7.55e-04	1.69e-04	-8.98	0.0	1.61	3.02	6.61e-03	5.51e-03	-3.59e-03	-4.01
		-4.79	-3.59e-03	0.0	0.0	53.6	1.61	-5.96	6.61e-03	5.51e-03	-7.55e-04	-4.79
177	92	-4.60	-1.66e-04	2.30e-04	-21.47	0.0	3.07	8.01	-3.09e-04	-1.04e-03	-1.66e-04	-5.40
		-6.86	-2.51e-04	1.82e-06	0.0	53.6	3.07	-13.45	-3.09e-04	-1.04e-03	-2.51e-04	-6.86
177	98	-4.00	1.09e-04	1.99e-04	-17.72	0.0	2.59	6.61	1.05e-03	-2.76e-04	-4.51e-04	-4.66
		-5.87	-4.51e-04	1.47e-06	0.0	53.6	2.59	-11.10	1.05e-03	-2.76e-04	1.09e-04	-5.87
177	102	-3.03	1.35e-03	1.39e-04	-8.98	0.0	1.85	3.06	2.15e-03	-6.59e-04	1.31e-04	-3.31
		-4.08	1.31e-04	0.0	0.0	53.6	1.85	-5.92	2.15e-03	-6.59e-04	1.35e-03	-4.08
177	104	-3.27	3.83e-04	1.49e-04	-8.98	0.0	1.81	3.05	3.95e-03	1.97e-03	-1.47e-03	-3.55
		-4.32	-1.47e-03	0.0	0.0	53.6	1.81	-5.93	3.95e-03	1.97e-03	3.83e-04	-4.32
177	106	-3.15	6.68e-04	1.44e-04	-8.98	0.0	1.85	3.06	3.28e-03	1.09e-03	-9.40e-04	-3.43
		-4.20	-9.40e-04	1.01e-06	0.0	53.6	1.85	-5.92	3.28e-03	1.09e-03	6.68e-04	-4.20
177	107	-3.88	1.88e-04	1.91e-04	-16.47	0.0	2.48	6.11	1.37e-03	-8.05e-05	-5.21e-04	-4.49
		-5.63	-5.21e-04	1.40e-06	0.0	53.6	2.48	-10.36	1.37e-03	-8.05e-05	1.88e-04	-5.63
177	108	-3.16	-8.37e-03	1.67e-04	-16.47	0.0	2.73	6.35	-0.03	-0.02	-8.37e-03	-3.77
		-4.92	-0.02	5.90e-05	0.0	53.6	2.73	-10.12	-0.03	-0.02	-0.02	-4.92
177	111	-4.60	0.02	2.15e-04	-16.47	0.0	2.24	5.86	0.03	0.02	7.33e-03	-5.21
		-6.34	7.33e-03	-5.62e-05	0.0	53.6	2.24	-10.61	0.03	0.02	0.02	-6.34
177	124	1.90	-2.69e-04	-3.45e-05	-16.47	0.0	2.82	6.52	-0.02	-0.02	-2.69e-04	1.23
		0.26	-0.02	-1.20e-06	0.0	53.6	2.82	-9.95	-0.02	-0.02	-0.02	0.26
177	127	-9.66	0.02	4.00e-04	-16.47	0.0	2.15	5.69	0.03	0.02	-7.72e-04	-10.20
		-11.52	-7.72e-04	4.01e-06	0.0	53.6	2.15	-10.78	0.03	0.02	0.02	-11.52
177	129	-10.35	9.26e-03	4.27e-04	-16.47	0.0	2.23	5.69	0.02	0.01	-4.95e-03	-10.88
		-12.24	-4.95e-03	4.27e-05	0.0	53.6	2.23	-10.78	0.02	0.01	9.26e-03	-12.24
177	130	2.59	3.90e-03	-5.26e-05	-16.47	0.0	2.73	6.52	-0.01	-0.01	3.90e-03	1.90
		0.98	-8.88e-03	-3.99e-05	0.0	53.6	2.73	-9.95	-0.01	-0.01	-8.88e-03	0.98
177	140	-3.08	-9.36e-03	1.64e-04	-16.47	0.0	2.76	6.38	-0.03	-0.03	-9.36e-03	-3.68
		-4.83	-0.02	6.71e-05	0.0	53.6	2.76	-10.09	-0.03	-0.03	-0.02	-4.83
177	143	-4.69	0.03	2.18e-04	-16.47	0.0	2.21	5.83	0.03	0.03	8.32e-03	-5.30
		-6.43	8.32e-03	-6.43e-05	0.0	53.6	2.21	-10.64	0.03	0.03	0.03	-6.43
177	156	2.62	-2.41e-04	-5.23e-05	-16.47	0.0	2.86	6.57	-0.03	-0.02	-2.41e-04	1.94
		0.99	-0.02	0.0	0.0	53.6	2.86	-9.90	-0.03	-0.02	-0.02	0.99
177	159	-10.38	0.02	4.26e-04	-16.47	0.0	2.11	5.64	0.03	0.02	-8.00e-04	-10.91
		-12.25	-8.00e-04	3.67e-06	0.0	53.6	2.11	-10.83	0.03	0.02	0.02	-12.25
177	161	-11.16	0.01	4.56e-04	-16.47	0.0	2.20	5.64	0.02	0.01	-5.50e-03	-11.68
		-13.07	-5.50e-03	4.88e-05	0.0	53.6	2.20	-10.83	0.02	0.01	0.01	-13.07
177	162	3.40	4.46e-03	-7.65e-05	-16.47	0.0	2.77	6.57	-0.01	-0.01	4.46e-03	2.70
		1.81	-0.01	-4.60e-05	0.0	53.6	2.77	-9.90	-0.01	-0.01	-0.01	1.81
177	172	-3.07	-9.21e-03	1.63e-04	-16.47	0.0	2.75	6.38	-0.03	-0.03	-9.21e-03	-3.67
		-4.83	-0.02	8.92e-05	0.0	53.6	2.75	-10.09	-0.03	-0.03	-0.02	-4.83
177	175	-4.69	0.02	2.18e-04	-16.47	0.0	2.22	5.84	0.03	0.03	8.17e-03	-5.30
		-6.43	8.17e-03	-8.64e-05	0.0	53.6	2.22	-10.63	0.03	0.03	0.02	-6.43
177	188	2.54	-2.52e-04	-5.03e-05	-16.47	0.0	2.85	6.56	-0.03	-0.02	-2.52e-04	1.85
		0.91	-0.02	1.11e-05	0.0	53.6	2.85	-9.91	-0.03	-0.02	-0.02	0.91
177	191	-10.30	0.02	4.23e-04	-16.47	0.0	2.12	5.65	0.03	0.02	-7.89e-04	-10.83
		-12.17	-7.89e-04	-8.33e-06	0.0	53.6	2.12	-10.82	0.03	0.02	0.02	-12.17

177	193	-11.07	0.01	4.53e-04	-16.47	0.0	2.20	5.65	0.02	0.01	-5.45e-03	-11.59
		-12.97	-5.45e-03	5.53e-05	0.0	53.6	2.20	-10.82	0.02	0.01	0.01	-12.97
177	194	3.31	4.41e-03	-7.36e-05	-16.47	0.0	2.77	6.57	-0.01	-0.01	4.41e-03	2.61
		1.71	-0.01	-5.25e-05	0.0	53.6	2.77	-9.90	-0.01	-0.01	-0.01	1.71
177	204	-2.94	-0.01	1.59e-04	-16.47	0.0	2.79	6.42	-0.03	-0.03	-0.01	-3.54
		-4.69	-0.03	1.18e-04	0.0	53.6	2.79	-10.05	-0.03	-0.03	-0.03	-4.69
177	207	-4.82	0.03	2.23e-04	-16.47	0.0	2.18	5.79	0.03	0.03	9.61e-03	-5.44
		-6.57	9.61e-03	-1.15e-04	0.0	53.6	2.18	-10.68	0.03	0.03	0.03	-6.57
177	220	3.59	-2.07e-04	-8.14e-05	-16.47	0.0	2.91	6.64	-0.03	-0.03	-2.07e-04	2.90
		1.98	-0.02	1.96e-05	0.0	53.6	2.91	-9.83	-0.03	-0.03	-0.02	1.98
177	223	-11.35	0.02	4.62e-04	-16.47	0.0	2.06	5.57	0.03	0.03	-8.34e-04	-11.87
		-13.24	-8.34e-04	-1.68e-05	0.0	53.6	2.06	-10.90	0.03	0.03	0.02	-13.24
177	225	-12.26	0.01	4.96e-04	-16.47	0.0	2.16	5.57	0.02	0.01	-6.31e-03	-12.76
		-14.19	-6.31e-03	6.88e-05	0.0	53.6	2.16	-10.90	0.02	0.01	0.01	-14.19
177	226	4.50	5.27e-03	-1.15e-04	-16.47	0.0	2.81	6.64	-0.02	-0.01	5.27e-03	3.79
		2.93	-0.01	-6.59e-05	0.0	53.6	2.81	-9.83	-0.02	-0.01	-0.01	2.93
178	21	-0.36	7.82e-03	2.55e-04	-22.06	0.0	3.50	4.57	-4.08e-04	8.46e-03	7.82e-03	-0.62
		-4.21	7.31e-03	1.45e-06	0.0	55.7	3.50	-17.49	-4.08e-04	8.46e-03	7.31e-03	-4.21
178	28	-1.93	-2.33e-03	4.83e-04	-32.41	0.0	5.12	5.62	1.36e-03	-3.06e-03	-3.18e-03	-2.20
		-8.09	-3.18e-03	2.27e-06	0.0	55.7	5.12	-26.80	1.36e-03	-3.06e-03	-2.33e-03	-8.09
178	42	-2.18	-4.73e-03	3.39e-04	-12.97	0.0	3.07	-7.92e-03	4.89e-04	-1.72e-03	-4.87e-03	-2.18
		-5.80	-4.87e-03	1.00e-06	0.0	55.7	3.07	-12.98	4.89e-04	-1.72e-03	-4.73e-03	-5.80
178	45	-1.74	-4.58e-03	2.41e-04	-8.45	0.0	1.84	-0.07	0.0	-1.92e-03	-4.58e-03	-1.74
		-4.13	-4.67e-03	0.0	0.0	55.7	1.84	-8.52	0.0	-1.92e-03	-4.67e-03	-4.13
178	52	-1.53	-7.65e-05	4.52e-04	-32.41	0.0	5.32	5.88	1.20e-03	-5.83e-04	-7.63e-04	-1.83
		-7.58	-7.63e-04	2.74e-06	0.0	55.7	5.32	-26.54	1.20e-03	-5.83e-04	-7.65e-05	-7.58
178	74	-0.63	5.03e-03	2.44e-04	-18.39	0.0	3.18	3.34	-2.83e-04	6.22e-03	5.03e-03	-0.80
		-4.06	4.62e-03	1.39e-06	0.0	55.7	3.18	-15.04	-2.83e-04	6.22e-03	4.62e-03	-4.06
178	80	-1.44	-1.70e-03	3.42e-04	-22.28	0.0	3.63	3.70	8.29e-04	-1.66e-03	-2.19e-03	-1.61
		-5.74	-2.19e-03	1.63e-06	0.0	55.7	3.63	-18.57	8.29e-04	-1.66e-03	-1.70e-03	-5.74
178	85	-1.55	-3.24e-03	2.35e-04	-9.32	0.0	2.07	0.25	-1.14e-05	-7.02e-04	-3.24e-03	-1.55
		-4.01	-3.37e-03	0.0	0.0	55.7	2.07	-9.07	-1.14e-05	-7.02e-04	-3.37e-03	-4.01
178	92	-1.17	-2.01e-04	3.22e-04	-22.28	0.0	3.77	3.88	7.19e-04	-1.36e-05	-5.78e-04	-1.36
		-5.40	-5.78e-04	1.94e-06	0.0	55.7	3.77	-18.40	7.19e-04	-1.36e-05	-2.01e-04	-5.40
178	98	-1.12	-4.47e-04	2.77e-04	-18.39	0.0	3.19	3.08	2.65e-04	6.55e-04	-5.14e-04	-1.26
		-4.66	-5.14e-04	1.60e-06	0.0	55.7	3.19	-15.31	2.65e-04	6.55e-04	-4.47e-04	-4.66
178	103	-1.03	5.89e-04	2.60e-04	-17.09	0.0	3.06	2.77	8.97e-05	1.97e-03	5.89e-04	-1.15
		-4.37	5.06e-04	1.49e-06	0.0	55.7	3.06	-14.32	8.97e-05	1.97e-03	5.06e-04	-4.37
178	104	-1.21	-1.09e-03	2.08e-04	-9.32	0.0	2.25	0.48	-1.58e-04	1.50e-03	-1.09e-03	-1.22
		-3.55	-1.37e-03	1.05e-06	0.0	55.7	2.25	-8.84	-1.58e-04	1.50e-03	-1.37e-03	-3.55
178	106	-1.13	-5.51e-04	2.01e-04	-9.32	0.0	2.30	0.54	-1.94e-04	2.05e-03	-5.51e-04	-1.14
		-3.43	-8.66e-04	1.15e-06	0.0	55.7	2.30	-8.78	-1.94e-04	2.05e-03	-8.66e-04	-3.43
178	107	-1.13	-5.07e-04	2.67e-04	-17.09	0.0	3.06	2.72	1.99e-04	8.54e-04	-5.19e-04	-1.24
		-4.49	-5.19e-04	1.53e-06	0.0	55.7	3.06	-14.37	1.99e-04	8.54e-04	-5.07e-04	-4.49
178	108	-0.61	-5.26e-03	2.30e-04	-17.09	0.0	3.25	4.63	-0.01	-0.01	-5.26e-03	-0.78
		-3.77	-0.01	4.96e-05	0.0	55.7	3.25	-12.46	-0.01	-0.01	-0.01	-3.77
178	111	-1.63	0.01	3.03e-04	-17.09	0.0	2.87	0.81	0.01	0.02	4.22e-03	-1.71
		-5.21	4.22e-03	-4.65e-05	0.0	55.7	2.87	-16.29	0.01	0.02	0.01	-5.21
178	128	3.09	-3.28e-03	-4.89e-05	-17.09	0.0	3.44	6.32	-6.51e-03	-0.01	-3.28e-03	2.44
		1.20	-6.53e-03	-9.35e-06	0.0	55.7	3.44	-10.77	-6.51e-03	-0.01	-6.53e-03	1.20
178	129	-5.37	2.04e-03	6.08e-04	-17.09	0.0	2.75	-1.37	1.70e-03	6.24e-03	1.25e-03	-5.37
		-10.88	1.25e-03	4.25e-05	0.0	55.7	2.75	-18.46	1.70e-03	6.24e-03	2.04e-03	-10.88
178	130	3.63	-2.28e-03	-7.85e-05	-17.09	0.0	3.37	6.80	-1.30e-03	-4.54e-03	-2.28e-03	2.88
		1.90	-3.06e-03	-3.95e-05	0.0	55.7	3.37	-10.29	-1.30e-03	-4.54e-03	-3.06e-03	1.90
178	131	-4.92	5.52e-03	5.70e-04	-17.09	0.0	2.69	-0.89	6.91e-03	0.01	2.24e-03	-4.92
		-10.18	2.24e-03	1.24e-05	0.0	55.7	2.69	-17.98	6.91e-03	0.01	5.52e-03	-10.18
178	140	-0.55	-5.85e-03	2.26e-04	-17.09	0.0	3.27	4.87	-0.01	-0.02	-5.85e-03	-0.72
		-3.68	-0.01	5.65e-05	0.0	55.7	3.27	-12.22	-0.01	-0.02	-0.01	-3.68
178	143	-1.69	0.01	3.07e-04	-17.09	0.0	2.85	0.57	0.01	0.02	4.81e-03	-1.77
		-5.30	4.81e-03	-5.34e-05	0.0	55.7	2.85	-16.52	0.01	0.02	0.01	-5.30
178	160	3.64	-3.62e-03	-7.76e-05	-17.09	0.0	3.48	6.77	-7.35e-03	-0.01	-3.62e-03	2.89
		1.91	-7.27e-03	-8.98e-06	0.0	55.7	3.48	-10.32	-7.35e-03	-0.01	-7.27e-03	1.91
178	161	-5.88	2.36e-03	6.51e-04	-17.09	0.0	2.71	-1.87	1.88e-03	6.95e-03	1.47e-03	-5.88
		-11.68	1.47e-03	4.86e-05	0.0	55.7	2.71	-18.97	1.88e-03	6.95e-03	2.36e-03	-11.68
178	162	4.26	-2.51e-03	-1.18e-04	-17.09	0.0	3.41	7.31	-1.48e-03	-5.24e-03	-2.51e-03	3.40
		2.70	-3.37e-03	-4.55e-05	0.0	55.7	3.41	-9.78	-1.48e-03	-5.24e-03	-3.37e-03	2.70
178	163	-5.38	6.26e-03	6.07e-04	-17.09	0.0	2.64	-1.34	7.75e-03	0.02	2.58e-03	-5.38
		-10.89	2.58e-03	1.20e-05	0.0	55.7	2.64	-18.43	7.75e-03	0.02	6.26e-03	-10.89
178	172	-0.56	-5.57e-03	2.25e-04	-17.09	0.0	3.26	4.81	-0.01	-0.02	-5.57e-03	-0.73
		-3.67	-0.01	7.96e-05	0.0	55.7	3.26	-12.28	-0.01	-0.02	-0.01	-3.67
178	175	-1.68	0.01	3.08e-04	-17.09	0.0	2.86	0.63	0.01	0.02	4.53e-03	-1.76
		-5.30	4.53e-03	-7.65e-05	0.0	55.7	2.86	-16.46	0.01	0.02	0.01	-5.30
178	192	3.57	-3.49e-03	-7.37e-05	-17.09	0.0	3.47	6.72	-7.18e-03	-0.01	-3.49e-03	2.83
		1.82	-7.03e-03	9.61e-06	0.0	55.7	3.47	-10.37	-7.18e-03	-0.01	-7.03e-03	1.82
178	193	-5.83	2.33e-03	6.46e-04	-17.09	0.0	2.71	-1.81	1.80e-03	7.12e-03	1.47e-03	-5.83

		-11.59	1.47e-03	5.55e-05	0.0	55.7	2.71	-18.90	1.80e-03	7.12e-03	2.33e-03	-11.59
178	194	4.19	-2.51e-03	-1.13e-04	-17.09	0.0	3.41	7.24	-1.40e-03	-5.41e-03	-2.51e-03	3.34
		2.61	-3.34e-03	-5.24e-05	0.0	55.7	3.41	-9.85	-1.40e-03	-5.41e-03	-3.34e-03	2.61
178	195	-5.32	6.02e-03	6.03e-04	-17.09	0.0	2.65	-1.28	7.58e-03	0.01	2.45e-03	-5.32
		-10.79	2.45e-03	-6.54e-06	0.0	55.7	2.65	-18.37	7.58e-03	0.01	6.02e-03	-10.79
178	204	-0.47	-6.29e-03	2.18e-04	-17.09	0.0	3.29	5.14	-0.01	-0.02	-6.29e-03	-0.65
		-3.54	-0.01	1.07e-04	0.0	55.7	3.29	-11.96	-0.01	-0.02	-0.01	-3.54
178	207	-1.77	0.01	3.15e-04	-17.09	0.0	2.83	0.30	0.01	0.02	5.25e-03	-1.84
		-5.44	5.25e-03	-1.04e-04	0.0	55.7	2.83	-16.79	0.01	0.02	0.01	-5.44
178	224	4.38	-3.94e-03	-1.24e-04	-17.09	0.0	3.54	7.37	-8.44e-03	-0.02	-3.94e-03	3.49
		2.84	-8.07e-03	2.13e-05	0.0	55.7	3.54	-9.72	-8.44e-03	-0.02	-8.07e-03	2.84
178	225	-6.59	2.76e-03	7.09e-04	-17.09	0.0	2.65	-2.55	1.99e-03	8.21e-03	1.80e-03	-6.59
		-12.76	1.80e-03	6.92e-05	0.0	55.7	2.65	-19.64	1.99e-03	8.21e-03	2.76e-03	-12.76
178	226	5.14	-2.84e-03	-1.76e-04	-17.09	0.0	3.47	7.99	-1.59e-03	-6.51e-03	-2.84e-03	4.10
		3.79	-3.77e-03	-6.62e-05	0.0	55.7	3.47	-9.10	-1.59e-03	-6.51e-03	-3.77e-03	3.79
178	227	-5.98	7.06e-03	6.57e-04	-17.09	0.0	2.58	-1.94	8.84e-03	0.02	2.91e-03	-5.98
		-11.81	2.91e-03	-1.83e-05	0.0	55.7	2.58	-19.03	8.84e-03	0.02	7.06e-03	-11.81
179	4	2.92	4.79e-03	3.77e-04	-32.41	0.0	3.74	9.96	0.02	0.03	-4.21e-03	2.07
		-1.41	-4.21e-03	2.62e-06	0.0	55.7	3.74	-22.46	0.02	0.03	4.79e-03	-1.41
179	19	0.97	8.80e-03	1.26e-04	-8.45	0.0	1.58	1.90	0.03	0.05	-8.59e-04	0.86
		-0.44	-8.59e-04	0.0	0.0	55.7	1.58	-6.55	0.03	0.05	8.80e-03	-0.44
179	35	1.81	-3.51e-03	4.17e-04	-26.58	0.0	3.53	7.05	3.42e-03	-7.79e-03	-6.02e-03	1.29
		-2.18	-6.02e-03	2.21e-06	0.0	55.7	3.53	-19.53	3.42e-03	-7.79e-03	-3.51e-03	-2.18
179	44	1.60	-5.19e-03	4.25e-04	-26.58	0.0	3.25	7.12	-1.29e-03	-0.02	-5.89e-03	1.07
		-2.36	-5.89e-03	1.65e-06	0.0	55.7	3.25	-19.46	-1.29e-03	-0.02	-5.19e-03	-2.36
179	45	0.03	-3.65e-03	2.38e-04	-8.45	0.0	1.49	1.12	-4.84e-03	-0.02	-3.65e-03	-0.01
		-1.74	-4.88e-03	0.0	0.0	55.7	1.49	-7.33	-4.84e-03	-0.02	-4.88e-03	-1.74
179	52	2.59	-7.28e-04	4.11e-04	-32.41	0.0	3.79	9.75	9.34e-03	4.03e-03	-5.43e-03	1.77
		-1.83	-5.43e-03	2.77e-06	0.0	55.7	3.79	-22.67	9.34e-03	4.03e-03	-7.28e-04	-1.83
179	68	1.95	3.15e-03	2.71e-04	-22.28	0.0	2.67	6.69	0.01	0.02	-3.15e-03	1.39
		-1.08	-3.15e-03	1.86e-06	0.0	55.7	2.67	-15.58	0.01	0.02	3.15e-03	-1.08
179	72	0.88	5.72e-03	1.54e-04	-9.32	0.0	1.69	2.08	0.02	0.03	-1.62e-03	0.76
		-0.68	-1.62e-03	0.0	0.0	55.7	1.69	-7.24	0.02	0.03	5.72e-03	-0.68
179	83	1.22	-2.39e-03	2.98e-04	-18.39	0.0	2.53	4.75	2.93e-03	-4.57e-03	-4.35e-03	0.88
		-1.60	-4.35e-03	1.58e-06	0.0	55.7	2.53	-13.63	2.93e-03	-4.57e-03	-2.39e-03	-1.60
179	85	0.25	-3.40e-03	2.29e-04	-9.32	0.0	1.63	1.55	-1.32e-03	-9.69e-03	-3.48e-03	0.18
		-1.55	-3.48e-03	0.0	0.0	55.7	1.63	-7.76	-1.32e-03	-9.69e-03	-3.40e-03	-1.55
179	88	1.08	-3.50e-03	3.03e-04	-18.39	0.0	2.34	4.80	-2.13e-04	-0.01	-4.26e-03	0.73
		-1.72	-4.26e-03	1.21e-06	0.0	55.7	2.34	-13.59	-2.13e-04	-0.01	-3.50e-03	-1.72
179	92	1.73	-5.32e-04	2.94e-04	-22.28	0.0	2.71	6.55	6.88e-03	3.31e-03	-3.95e-03	1.20
		-1.36	-3.95e-03	1.96e-06	0.0	55.7	2.71	-15.72	6.88e-03	3.31e-03	-5.32e-04	-1.36
179	98	1.35	-4.42e-04	2.56e-04	-18.39	0.0	2.32	5.25	6.16e-03	3.49e-03	-3.45e-03	0.93
		-1.26	-3.45e-03	1.60e-06	0.0	55.7	2.32	-13.14	6.16e-03	3.49e-03	-4.42e-04	-1.26
179	101	1.24	-4.70e-04	2.51e-04	-17.09	0.0	2.30	4.70	6.23e-03	3.68e-03	-3.50e-03	0.88
		-1.26	-3.50e-03	1.60e-06	0.0	55.7	2.30	-12.39	6.23e-03	3.68e-03	-4.70e-04	-1.26
179	102	0.60	8.11e-04	1.84e-04	-9.32	0.0	1.74	1.89	8.15e-03	9.95e-03	-2.70e-03	0.49
		-1.05	-2.70e-03	1.11e-06	0.0	55.7	1.74	-7.43	8.15e-03	9.95e-03	8.11e-04	-1.05
179	104	0.47	-1.01e-03	1.99e-04	-9.32	0.0	1.72	1.79	4.12e-03	1.53e-03	-3.07e-03	0.38
		-1.22	-3.07e-03	1.03e-06	0.0	55.7	1.72	-7.53	4.12e-03	1.53e-03	-1.01e-03	-1.22
179	105	1.17	-1.03e-03	2.54e-04	-17.09	0.0	2.22	4.71	4.70e-03	8.06e-04	-3.49e-03	0.81
		-1.33	-3.49e-03	1.43e-06	0.0	55.7	2.22	-12.38	4.70e-03	8.06e-04	-1.03e-03	-1.33
179	106	0.53	-4.16e-04	1.91e-04	-9.32	0.0	1.75	1.84	5.48e-03	4.33e-03	-2.96e-03	0.43
		-1.14	-2.96e-03	1.14e-06	0.0	55.7	1.75	-7.47	5.48e-03	4.33e-03	-4.16e-04	-1.14
179	107	1.23	-4.38e-04	2.47e-04	-17.09	0.0	2.24	4.77	6.06e-03	3.61e-03	-3.38e-03	0.86
		-1.24	-3.38e-03	1.54e-06	0.0	55.7	2.24	-12.33	6.06e-03	3.61e-03	-4.38e-04	-1.24
179	108	1.39	-3.95e-03	2.06e-04	-17.09	0.0	2.42	6.88	0.02	0.02	-0.01	0.89
		-0.78	-0.01	3.66e-05	0.0	55.7	2.42	-10.21	0.02	0.02	-3.95e-03	-0.78
179	111	1.09	8.17e-03	2.88e-04	-17.09	0.0	2.06	2.65	-8.46e-03	-0.02	8.17e-03	0.83
		-1.71	3.07e-03	-3.35e-05	0.0	55.7	2.06	-14.44	-8.46e-03	-0.02	3.07e-03	-1.71
179	126	3.90	-1.37e-03	-1.36e-04	-17.09	0.0	2.54	8.73	8.44e-03	8.70e-03	-5.64e-03	2.55
		2.55	-5.64e-03	-4.09e-05	0.0	55.7	2.54	-8.36	8.44e-03	8.70e-03	-1.37e-03	2.87
179	128	3.56	-2.80e-03	-9.49e-05	-17.09	0.0	2.60	8.72	0.01	0.02	-9.93e-03	2.31
		2.31	-9.93e-03	-1.83e-05	0.0	55.7	2.60	-8.37	0.01	0.02	-2.80e-03	2.44
179	129	-0.81	8.48e-04	6.32e-04	-17.09	0.0	1.94	0.29	1.28e-03	-4.37e-03	5.63e-04	-0.81
		-5.37	5.63e-04	4.04e-05	0.0	55.7	1.94	-16.81	1.28e-03	-4.37e-03	8.48e-04	-5.37
179	131	-0.58	3.17e-03	5.88e-04	-17.09	0.0	1.88	0.81	-1.50e-03	-8.06e-03	3.17e-03	-0.59
		-4.92	1.92e-03	2.14e-05	0.0	55.7	1.88	-16.29	-1.50e-03	-8.06e-03	1.92e-03	-4.92
179	140	1.41	-4.38e-03	2.01e-04	-17.09	0.0	2.44	7.14	0.02	0.02	-0.02	0.89
		-0.72	-0.02	4.18e-05	0.0	55.7	2.44	-9.95	0.02	0.02	-4.38e-03	-0.72
179	143	1.07	9.60e-03	2.94e-04	-17.09	0.0	2.04	2.39	-0.01	-0.02	9.60e-03	0.83
		-1.77	3.51e-03	-3.87e-05	0.0	55.7	2.04	-14.70	-0.01	-0.02	3.51e-03	-1.77
179	158	4.28	-1.49e-03	-1.84e-04	-17.09	0.0	2.58	9.22	8.73e-03	9.33e-03	-5.92e-03	2.76
		2.76	-5.92e-03	-4.61e-05	0.0	55.7	2.58	-7.87	8.73e-03	9.33e-03	-1.49e-03	3.38
179	160	3.89	-3.08e-03	-1.37e-04	-17.09	0.0	2.64	9.22	0.01	0.02	-0.01	2.49
		2.49	-0.01	-1.91e-05	0.0	55.7	2.64	-7.87	0.01	0.02	-3.08e-03	2.89

179	161	-1.02	1.06e-03	6.80e-04	-17.09	0.0	1.91	-0.27	6.74e-04	-5.37e-03	1.06e-03	-1.02
		-5.88	1.01e-03	4.61e-05	0.0	55.7	1.91	-17.36	6.74e-04	-5.37e-03	1.01e-03	-5.88
179	163	-0.77	3.97e-03	6.31e-04	-17.09	0.0	1.84	0.31	-2.42e-03	-9.49e-03	3.97e-03	-0.77
		-5.38	2.21e-03	2.22e-05	0.0	55.7	1.84	-16.78	-2.42e-03	-9.49e-03	2.21e-03	-5.38
179	172	1.40	-4.13e-03	2.00e-04	-17.09	0.0	2.43	7.07	0.02	0.02	-0.02	0.89
		-0.73	-0.02	6.50e-05	0.0	55.7	2.43	-10.03	0.02	0.02	-4.13e-03	-0.73
179	175	1.08	8.79e-03	2.94e-04	-17.09	0.0	2.05	2.46	-9.27e-03	-0.02	8.79e-03	0.83
		-1.76	3.25e-03	-6.20e-05	0.0	55.7	2.05	-14.63	-9.27e-03	-0.02	3.25e-03	-1.76
179	192	3.84	-2.98e-03	-1.31e-04	-17.09	0.0	2.63	9.17	0.01	0.02	-0.01	2.46
		2.46	-0.01	-1.22e-06	0.0	55.7	2.63	-7.92	0.01	0.02	-2.98e-03	2.83
179	193	-1.00	1.04e-03	6.74e-04	-17.09	0.0	1.91	-0.19	7.31e-04	-5.24e-03	1.04e-03	-1.00
		-5.83	1.02e-03	5.29e-05	0.0	55.7	1.91	-17.29	7.31e-04	-5.24e-03	1.02e-03	-5.83
179	194	4.24	-1.89e-03	-1.80e-04	-17.09	0.0	2.57	9.72	0.01	0.01	-7.80e-03	2.72
		2.72	-7.80e-03	-4.98e-05	0.0	55.7	2.57	-7.37	0.01	0.01	-1.89e-03	3.34
179	195	-0.74	3.67e-03	6.25e-04	-17.09	0.0	1.85	0.36	-2.07e-03	-9.12e-03	3.67e-03	-0.74
		-5.32	2.11e-03	4.30e-06	0.0	55.7	1.85	-16.73	-2.07e-03	-9.12e-03	2.11e-03	-5.32
179	204	1.43	-4.62e-03	1.92e-04	-17.09	0.0	2.46	7.42	0.02	0.03	-0.02	0.89
		-0.65	-0.02	9.00e-05	0.0	55.7	2.46	-9.67	0.02	0.03	-4.62e-03	-0.65
179	207	1.06	0.01	3.02e-04	-17.09	0.0	2.02	2.11	-0.01	-0.02	0.01	0.84
		-1.84	3.75e-03	-8.69e-05	0.0	55.7	2.02	-14.98	-0.01	-0.02	3.75e-03	-1.84
179	224	4.32	-3.38e-03	-1.93e-04	-17.09	0.0	2.69	9.89	0.02	0.02	-0.01	2.72
		2.72	-0.01	8.13e-06	0.0	55.7	2.69	-7.21	0.02	0.02	-3.38e-03	3.49
179	225	-1.31	1.76e-03	7.45e-04	-17.09	0.0	1.85	-1.01	-1.30e-04	-6.64e-03	1.76e-03	-1.31
		-6.59	1.26e-03	6.62e-05	0.0	55.7	1.85	-18.10	-1.30e-04	-6.64e-03	1.26e-03	-6.59
179	226	4.82	-2.14e-03	-2.51e-04	-17.09	0.0	2.63	10.54	0.01	0.01	-8.53e-03	3.03
		3.03	-8.53e-03	-6.31e-05	0.0	55.7	2.63	-6.55	0.01	0.01	-2.14e-03	4.10
179	227	-0.99	4.77e-03	6.87e-04	-17.09	0.0	1.79	-0.36	-3.32e-03	-0.01	4.77e-03	-0.99
		-5.98	2.51e-03	-5.06e-06	0.0	55.7	1.79	-17.45	-3.32e-03	-0.01	2.51e-03	-5.98
180	4	3.75	-2.10e-03	2.56e-04	-32.41	0.0	1.64	18.40	0.07	0.02	-0.03	0.85
		0.85	-0.03	2.73e-06	0.0	55.7	1.64	-14.02	0.07	0.02	-2.10e-03	2.07
180	18	3.32	2.66e-04	2.08e-04	-26.58	0.0	1.44	15.09	0.08	0.03	-0.04	0.94
		0.94	-0.04	2.36e-06	0.0	55.7	1.44	-11.50	0.08	0.03	2.66e-04	1.94
180	19	1.36	2.47e-03	8.64e-05	-8.45	0.0	0.74	4.54	0.07	0.03	-0.03	0.68
		0.68	-0.03	0.0	0.0	55.7	0.74	-3.91	0.07	0.03	2.47e-03	0.86
180	28	3.32	-6.53e-03	3.27e-04	-32.41	0.0	1.78	18.04	0.03	-4.62e-03	-0.02	0.52
		0.52	-0.02	2.26e-06	0.0	55.7	1.78	-14.37	0.03	-4.62e-03	-6.53e-03	1.54
180	45	0.65	-4.91e-03	2.04e-04	-8.45	0.0	0.99	3.96	2.17e-03	-0.01	-9.68e-03	0.14
		-0.01	-9.68e-03	0.0	0.0	55.7	0.99	-4.50	2.17e-03	-0.01	-4.91e-03	-0.01
180	68	2.57	-1.70e-03	1.87e-04	-22.28	0.0	1.20	12.56	0.05	0.01	-0.03	0.60
		0.60	-0.03	1.92e-06	0.0	55.7	1.20	-9.71	0.05	0.01	-1.70e-03	1.39
180	72	1.31	6.92e-04	1.12e-04	-9.32	0.0	0.83	4.99	0.06	0.02	-0.02	0.57
		0.57	-0.02	1.03e-06	0.0	55.7	0.83	-4.32	0.06	0.02	6.92e-04	0.76
180	75	2.28	-1.19e-04	1.55e-04	-18.39	0.0	1.07	10.35	0.06	0.02	-0.03	0.66
		0.66	-0.03	1.68e-06	0.0	55.7	1.07	-8.03	0.06	0.02	-1.19e-04	1.31
180	80	2.28	-4.65e-03	2.34e-04	-22.28	0.0	1.30	12.33	0.02	-2.72e-03	-0.02	0.38
		0.38	-0.02	1.61e-06	0.0	55.7	1.30	-9.95	0.02	-2.72e-03	-4.65e-03	1.04
180	85	0.84	-4.23e-03	1.90e-04	-9.32	0.0	1.00	4.60	0.01	-6.70e-03	-0.01	0.21
		0.18	-0.01	0.0	0.0	55.7	1.00	-4.71	0.01	-6.70e-03	-4.23e-03	0.18
180	98	1.96	-3.21e-03	1.89e-04	-18.39	0.0	1.14	10.14	0.03	2.81e-03	-0.02	0.41
		0.41	-0.02	1.60e-06	0.0	55.7	1.14	-8.25	0.03	2.81e-03	-3.21e-03	0.93
180	102	1.08	-2.01e-03	1.43e-04	-9.32	0.0	0.94	4.87	0.03	6.63e-03	-0.02	0.37
		0.37	-0.02	1.09e-06	0.0	55.7	0.94	-4.44	0.03	6.63e-03	-2.01e-03	0.49
180	103	1.89	-2.46e-03	1.75e-04	-17.09	0.0	1.09	9.41	0.04	6.62e-03	-0.02	0.45
		0.45	-0.02	1.51e-06	0.0	55.7	1.09	-7.68	0.04	6.62e-03	-2.46e-03	0.93
180	104	0.99	-2.99e-03	1.59e-04	-9.32	0.0	0.97	4.80	0.03	9.13e-04	-0.02	0.30
		0.30	-0.02	0.0	0.0	55.7	0.97	-4.52	0.03	9.13e-04	-2.99e-03	0.38
180	106	1.03	-2.68e-03	1.51e-04	-9.32	0.0	0.97	4.84	0.03	2.82e-03	-0.02	0.33
		0.33	-0.02	1.11e-06	0.0	55.7	0.97	-4.47	0.03	2.82e-03	-2.68e-03	0.43
180	107	1.83	-3.14e-03	1.83e-04	-17.09	0.0	1.12	9.38	0.03	2.81e-03	-0.02	0.40
		0.40	-0.02	1.53e-06	0.0	55.7	1.12	-7.71	0.03	2.81e-03	-3.14e-03	0.86
180	113	1.41	0.12	3.54e-04	-17.09	0.0	1.12	7.49	-0.24	0.03	0.12	0.50
		-0.09	-0.01	2.42e-05	0.0	55.7	1.12	-9.60	-0.24	0.03	-0.01	-0.09
180	114	2.36	4.34e-03	-2.10e-05	-17.09	0.0	1.12	11.27	0.30	-0.02	-0.16	0.29
		0.29	-0.16	-2.12e-05	0.0	55.7	1.12	-5.82	0.30	-0.02	4.34e-03	1.81
180	128	2.70	-7.22e-03	-1.60e-04	-17.09	0.0	1.32	12.17	0.06	0.03	-0.03	0.29
		0.29	-0.03	-2.68e-05	0.0	55.7	1.32	-4.92	0.06	0.03	-7.22e-03	2.31
180	131	1.21	9.54e-04	5.26e-04	-17.09	0.0	0.91	6.59	5.50e-03	-0.02	-7.42e-03	0.51
		-0.59	-7.42e-03	2.99e-05	0.0	55.7	0.91	-10.51	5.50e-03	-0.02	9.54e-04	-0.59
180	133	1.11	0.11	5.49e-04	-17.09	0.0	1.00	5.78	-0.22	1.34e-03	0.11	0.57
		-0.98	-3.17e-03	-2.10e-05	0.0	55.7	1.00	-11.32	-0.22	1.34e-03	-3.17e-03	-0.98
180	134	2.97	-3.10e-03	-1.82e-04	-17.09	0.0	1.23	12.98	0.28	4.27e-03	-0.15	0.23
		0.23	-0.15	2.40e-05	0.0	55.7	1.23	-4.11	0.28	4.27e-03	-3.10e-03	2.70
180	145	1.37	0.14	3.76e-04	-17.09	0.0	1.12	7.25	-0.27	0.03	0.14	0.51
		-0.21	-0.01	2.79e-05	0.0	55.7	1.12	-9.84	-0.27	0.03	-0.01	-0.21
180	146	2.43	5.28e-03	-3.16e-05	-17.09	0.0	1.12	11.51	0.33	-0.02	-0.18	0.28

		0.28	-0.18	-2.48e-05	0.0	55.7	1.12	-5.58	0.33	-0.02	5.28e-03	1.93
180	160	2.83	-7.71e-03	-2.02e-04	-17.09	0.0	1.35	12.52	0.06	0.03	-0.03	0.27
		0.27	-0.03	-2.89e-05	0.0	55.7	1.35	-4.57	0.06	0.03	-7.71e-03	2.49
180	163	1.15	1.44e-03	5.69e-04	-17.09	0.0	0.89	6.24	2.13e-03	-0.03	-5.79e-03	0.52
		-0.77	-5.79e-03	3.19e-05	0.0	55.7	0.89	-10.85	2.13e-03	-0.03	1.44e-03	-0.77
180	165	1.05	0.13	5.94e-04	-17.09	0.0	0.99	5.33	-0.25	1.21e-03	0.13	0.59
		-1.21	-3.19e-03	-2.33e-05	0.0	55.7	0.99	-11.76	-0.25	1.21e-03	-3.19e-03	-1.21
180	166	3.14	-3.08e-03	-2.28e-04	-17.09	0.0	1.25	13.43	0.31	4.41e-03	-0.17	0.21
		0.21	-0.17	2.63e-05	0.0	55.7	1.25	-3.66	0.31	4.41e-03	-3.08e-03	2.93
180	177	1.37	0.13	3.72e-04	-17.09	0.0	1.12	7.27	-0.26	0.03	0.13	0.51
		-0.20	-0.01	5.10e-05	0.0	55.7	1.12	-9.82	-0.26	0.03	-0.01	-0.20
180	178	2.43	4.77e-03	-2.98e-05	-17.09	0.0	1.12	11.49	0.32	-0.02	-0.18	0.28
		0.28	-0.18	-4.79e-05	0.0	55.7	1.12	-5.60	0.32	-0.02	4.77e-03	1.92
180	192	2.81	-7.39e-03	-1.97e-04	-17.09	0.0	1.34	12.47	0.06	0.03	-0.03	0.28
		0.28	-0.03	-1.19e-05	0.0	55.7	1.34	-4.63	0.06	0.03	-7.39e-03	2.46
180	195	1.16	1.12e-03	5.63e-04	-17.09	0.0	0.89	6.29	3.49e-03	-0.02	-6.50e-03	0.52
		-0.74	-6.50e-03	1.49e-05	0.0	55.7	0.89	-10.80	3.49e-03	-0.02	1.12e-03	-0.74
180	197	1.06	0.13	5.87e-04	-17.09	0.0	0.99	5.39	-0.24	1.76e-03	0.13	0.58
		-1.17	-3.29e-03	-1.17e-05	0.0	55.7	0.99	-11.70	-0.24	1.76e-03	-3.29e-03	-1.17
180	198	3.12	-2.98e-03	-2.20e-04	-17.09	0.0	1.24	13.37	0.30	3.85e-03	-0.17	0.21
		0.21	-0.17	1.48e-05	0.0	55.7	1.24	-3.72	0.30	3.85e-03	-2.98e-03	2.89
180	209	1.31	0.16	4.03e-04	-17.09	0.0	1.12	6.92	-0.31	0.03	0.16	0.53
		-0.38	-0.01	7.34e-05	0.0	55.7	1.12	-10.18	-0.31	0.03	-0.01	-0.38
180	210	2.55	5.84e-03	-4.86e-05	-17.09	0.0	1.12	11.84	0.37	-0.02	-0.20	0.26
		0.26	-0.20	-7.03e-05	0.0	55.7	1.12	-5.25	0.37	-0.02	5.84e-03	2.10
180	224	2.99	-7.99e-03	-2.58e-04	-17.09	0.0	1.38	12.96	0.06	0.03	-0.04	0.26
		0.26	-0.04	-5.04e-06	0.0	55.7	1.38	-4.13	0.06	0.03	-7.99e-03	2.72
180	227	1.08	1.72e-03	6.25e-04	-17.09	0.0	0.86	5.80	1.60e-04	-0.03	-4.99e-03	0.54
		-0.99	-4.99e-03	8.09e-06	0.0	55.7	0.86	-11.29	1.60e-04	-0.03	1.72e-03	-0.99
180	229	0.98	0.15	6.51e-04	-17.09	0.0	0.97	4.74	-0.28	1.78e-03	0.15	0.61
		-1.50	-3.34e-03	-7.67e-06	0.0	55.7	0.97	-12.35	-0.28	1.78e-03	-3.34e-03	-1.50
180	230	3.38	-2.93e-03	-2.85e-04	-17.09	0.0	1.26	14.02	0.35	3.83e-03	-0.19	0.18
		0.18	-0.19	1.07e-05	0.0	55.7	1.26	-3.07	0.35	3.83e-03	-2.93e-03	3.22
181	3	0.81	2.29e-03	4.50e-05	-31.23	0.0	0.74	21.50	-5.44e-03	-6.38e-03	2.29e-03	-3.16
		-3.16	-4.17e-05	1.54e-06	0.0	53.6	0.74	-9.73	-5.44e-03	-6.38e-03	-4.17e-05	-2.47e-06
181	18	0.61	3.06e-03	3.86e-05	-25.62	0.0	0.94	17.96	-8.37e-03	-0.01	3.06e-03	-2.76
		-2.76	-2.84e-04	1.11e-06	0.0	53.6	0.94	-7.66	-8.37e-03	-0.01	-2.84e-04	-2.15e-06
181	28	0.68	5.06e-04	6.29e-05	-31.23	0.0	0.04	22.33	1.32e-03	7.19e-03	4.58e-04	-3.60
		-3.60	4.58e-04	2.17e-06	0.0	53.6	0.04	-8.91	1.32e-03	7.19e-03	5.06e-04	-3.04e-06
181	45	0.04	4.63e-04	3.89e-05	-8.14	0.0	-0.47	7.03	3.92e-03	9.02e-03	-8.10e-04	-1.59
		-1.59	-8.10e-04	0.0	0.0	53.6	-0.47	-1.11	3.92e-03	9.02e-03	4.63e-04	-1.53e-06
181	67	0.54	1.58e-03	3.28e-05	-21.47	0.0	0.52	14.90	-3.65e-03	-4.06e-03	1.58e-03	-2.24
		-2.24	-5.44e-06	1.12e-06	0.0	53.6	0.52	-6.56	-3.65e-03	-4.06e-03	-5.44e-06	-1.76e-06
181	75	0.40	2.09e-03	2.86e-05	-17.72	0.0	0.65	12.54	-5.60e-03	-8.14e-03	2.09e-03	-1.97
		-1.97	-1.67e-04	0.0	0.0	53.6	0.65	-5.18	-5.60e-03	-8.14e-03	-1.67e-04	-1.55e-06
181	80	0.45	3.60e-04	4.48e-05	-21.47	0.0	0.05	15.45	8.63e-04	4.98e-03	3.54e-04	-2.53
		-2.53	3.54e-04	1.53e-06	0.0	53.6	0.05	-6.01	8.63e-04	4.98e-03	3.60e-04	-2.15e-06
181	85	0.07	3.77e-04	3.60e-05	-8.98	0.0	-0.23	7.44	2.47e-03	6.57e-03	-3.46e-04	-1.58
		-1.58	-3.46e-04	0.0	0.0	53.6	-0.23	-1.54	2.47e-03	6.57e-03	3.77e-04	-1.47e-06
181	98	0.38	7.15e-04	3.48e-05	-17.72	0.0	0.30	12.70	-6.00e-04	1.85e-03	7.15e-04	-2.06
		-2.06	2.25e-04	1.32e-06	0.0	53.6	0.30	-5.02	-6.00e-04	1.85e-03	2.25e-04	-1.71e-06
181	102	0.11	7.80e-04	2.61e-05	-8.98	0.0	0.31	7.05	-1.32e-03	-4.12e-04	7.80e-04	-1.37
		-1.37	1.14e-04	0.0	0.0	53.6	0.31	-1.93	-1.32e-03	-4.12e-04	1.14e-04	-1.18e-06
181	103	0.34	9.47e-04	3.21e-05	-16.47	0.0	0.36	11.84	-1.54e-03	-1.94e-04	9.47e-04	-1.93
		-1.93	1.39e-04	1.14e-06	0.0	53.6	0.36	-4.63	-1.54e-03	-1.94e-04	1.39e-04	-1.59e-06
181	104	0.10	3.47e-04	2.94e-05	-8.98	0.0	0.15	7.18	2.25e-04	2.59e-03	3.47e-04	-1.44
		-1.44	2.31e-04	0.0	0.0	53.6	0.15	-1.80	2.25e-04	2.59e-03	2.31e-04	-1.28e-06
181	106	0.10	5.20e-04	2.77e-05	-8.98	0.0	0.25	7.12	-3.38e-04	1.59e-03	5.20e-04	-1.41
		-1.41	1.94e-04	0.0	0.0	53.6	0.25	-1.86	-3.38e-04	1.59e-03	1.94e-04	-1.23e-06
181	107	0.34	6.87e-04	3.37e-05	-16.47	0.0	0.29	11.91	-5.63e-04	1.81e-03	6.87e-04	-1.97
		-1.97	2.20e-04	1.27e-06	0.0	53.6	0.29	-4.56	-5.63e-04	1.81e-03	2.20e-04	-1.64e-06
181	113	0.29	-0.02	4.36e-05	-16.47	0.0	0.25	12.24	0.19	-8.38e-03	-0.12	-2.15
		-2.15	-0.12	8.97e-05	0.0	53.6	0.25	-4.23	0.19	-8.38e-03	-0.02	-1.70e-06
181	114	0.39	0.12	2.39e-05	-16.47	0.0	0.33	11.57	-0.19	0.01	0.12	-1.79
		-1.79	0.02	-8.72e-05	0.0	53.6	0.33	-4.90	-0.19	0.01	0.02	-1.58e-06
181	136	0.96	0.03	-3.12e-05	-16.47	0.0	0.62	8.79	-0.04	-5.01e-03	0.03	-0.30
		-0.30	4.11e-03	4.57e-05	0.0	53.6	0.62	-7.68	-0.04	-5.01e-03	4.11e-03	0.0
181	139	0.03	-3.67e-03	8.16e-05	-16.47	0.0	-0.04	15.02	0.04	8.64e-03	-0.02	-3.64
		-3.64	-0.02	-4.31e-05	0.0	53.6	-0.04	-1.45	0.04	8.64e-03	-3.67e-03	-2.60e-06
181	145	0.29	-0.02	4.48e-05	-16.47	0.0	0.24	12.28	0.22	-9.65e-03	-0.14	-2.17
		-2.17	-0.14	1.02e-04	0.0	53.6	0.24	-4.19	0.22	-9.65e-03	-0.02	-1.71e-06
181	146	0.40	0.14	2.27e-05	-16.47	0.0	0.34	11.53	-0.22	0.01	0.14	-1.77
		-1.77	0.02	-9.92e-05	0.0	53.6	0.34	-4.94	-0.22	0.01	0.02	-1.57e-06
181	168	1.06	0.03	-3.48e-05	-16.47	0.0	0.66	8.40	-0.05	-5.83e-03	0.03	-0.09
		-0.09	4.61e-03	5.19e-05	0.0	53.6	0.66	-8.07	-0.05	-5.83e-03	4.61e-03	0.0

181	171	0.02	-4.17e-03	8.76e-05	-16.47	0.0	-0.08	15.41	0.04	9.46e-03	-0.03	-3.85
		-3.85	-0.03	-4.94e-05	0.0	53.6	-0.08	-1.06	0.04	9.46e-03	-4.17e-03	-2.73e-06
181	177	0.28	-0.02	4.42e-05	-16.47	0.0	0.24	12.29	0.20	-8.86e-03	-0.13	-2.17
		-2.17	-0.13	1.22e-04	0.0	53.6	0.24	-4.18	0.20	-8.86e-03	-0.02	-1.71e-06
181	178	0.40	0.13	2.33e-05	-16.47	0.0	0.34	11.52	-0.21	0.01	0.13	-1.76
		-1.76	0.02	-1.20e-04	0.0	53.6	0.34	-4.95	-0.21	0.01	0.02	-1.57e-06
181	200	1.05	0.03	-3.45e-05	-16.47	0.0	0.65	8.44	-0.05	-5.21e-03	0.03	-0.11
		-0.11	4.61e-03	5.68e-05	0.0	53.6	0.65	-8.03	-0.05	-5.21e-03	4.61e-03	0.0
181	203	0.02	-4.17e-03	8.72e-05	-16.47	0.0	-0.07	15.37	0.04	8.83e-03	-0.03	-3.83
		-3.83	-0.03	-5.43e-05	0.0	53.6	-0.07	-1.10	0.04	8.83e-03	-4.17e-03	-2.71e-06
181	209	0.28	-0.03	4.55e-05	-16.47	0.0	0.23	12.36	0.23	-0.01	-0.15	-2.21
		-2.21	-0.15	1.56e-04	0.0	53.6	0.23	-4.11	0.23	-0.01	-0.03	-1.72e-06
181	210	0.41	0.15	2.20e-05	-16.47	0.0	0.34	11.46	-0.24	0.01	0.15	-1.73
		-1.73	0.03	-1.53e-04	0.0	53.6	0.34	-5.01	-0.24	0.01	0.03	-1.56e-06
181	232	1.20	0.03	-4.02e-05	-16.47	0.0	0.71	7.87	-0.05	-6.21e-03	0.03	0.20
		0.0	5.29e-03	6.92e-05	0.0	53.6	0.71	-8.60	-0.05	-6.21e-03	5.29e-03	0.0
181	235	3.88e-04	-4.85e-03	9.61e-05	-16.47	0.0	-0.13	15.94	0.05	9.84e-03	-0.03	-4.14
		-4.14	-0.03	-6.67e-05	0.0	53.6	-0.13	-0.53	0.05	9.84e-03	-4.85e-03	-2.89e-06
182	18	-2.02	3.65e-03	5.37e-05	-25.62	0.0	1.62	17.18	-5.43e-03	-0.02	3.65e-03	-5.11
		-5.11	2.38e-03	1.02e-06	0.0	53.6	1.62	-8.43	-5.43e-03	-0.02	2.38e-03	-2.76
182	19	-0.89	3.83e-03	1.96e-05	-8.14	0.0	1.03	5.80	-7.26e-03	-0.02	3.83e-03	-1.99
		-1.99	1.70e-03	0.0	0.0	53.6	1.03	-2.34	-7.26e-03	-0.02	1.70e-03	-1.07
182	20	-1.05	3.84e-03	2.22e-05	-8.14	0.0	1.10	6.06	-7.05e-03	-0.02	3.84e-03	-2.26
		-2.26	1.82e-03	0.0	0.0	53.6	1.10	-2.08	-7.05e-03	-0.02	1.82e-03	-1.20
182	28	-2.76	8.54e-04	8.42e-05	-31.23	0.0	0.75	21.38	6.86e-03	9.31e-03	-1.88e-03	-6.69
		-6.69	-1.88e-03	2.02e-06	0.0	53.6	0.75	-9.86	6.86e-03	9.31e-03	8.54e-04	-3.60
182	43	-2.53	2.47e-04	7.99e-05	-25.62	0.0	0.22	17.89	8.06e-03	0.01	-2.76e-03	-5.88
		-5.88	-2.76e-03	1.53e-06	0.0	53.6	0.22	-7.72	8.06e-03	0.01	2.47e-04	-3.15
182	45	-1.53	-3.12e-04	4.85e-05	-8.14	0.0	-0.30	6.78	6.44e-03	0.01	-2.57e-03	-3.04
		-3.04	-2.57e-03	0.0	0.0	53.6	-0.30	-1.37	6.44e-03	0.01	-3.12e-04	-1.59
182	72	-1.06	2.45e-03	2.61e-05	-8.98	0.0	0.89	6.51	-4.09e-03	-0.01	2.45e-03	-2.32
		-2.32	1.36e-03	0.0	0.0	53.6	0.89	-2.47	-4.09e-03	-0.01	1.36e-03	-1.24
182	73	-1.17	2.46e-03	2.78e-05	-8.98	0.0	0.94	6.68	-3.95e-03	-0.01	2.46e-03	-2.50
		-2.50	1.44e-03	0.0	0.0	53.6	0.94	-2.29	-3.95e-03	-0.01	1.44e-03	-1.32
182	75	-1.48	2.40e-03	3.94e-05	-17.72	0.0	1.13	12.00	-3.39e-03	-0.01	2.40e-03	-3.66
		-3.66	1.64e-03	0.0	0.0	53.6	1.13	-5.72	-3.39e-03	-0.01	1.64e-03	-1.97
182	80	-1.98	6.29e-04	5.97e-05	-21.47	0.0	0.55	14.80	4.80e-03	6.47e-03	-1.28e-03	-4.71
		-4.71	-1.28e-03	1.43e-06	0.0	53.6	0.55	-6.67	4.80e-03	6.47e-03	6.29e-04	-2.53
182	85	-1.48	1.64e-05	4.54e-05	-8.98	0.0	3.90e-03	7.16	5.04e-03	8.84e-03	-1.81e-03	-3.02
		-3.02	-1.81e-03	0.0	0.0	53.6	3.90e-03	-1.82	5.04e-03	8.84e-03	1.64e-05	-1.58
182	87	-1.82	2.24e-04	5.69e-05	-17.72	0.0	0.20	12.48	5.60e-03	9.05e-03	-1.88e-03	-4.18
		-4.18	-1.88e-03	1.10e-06	0.0	53.6	0.20	-5.24	5.60e-03	9.05e-03	2.24e-04	-2.24
182	98	-1.59	8.17e-04	4.72e-05	-17.72	0.0	0.75	12.15	2.64e-03	2.30e-03	-3.48e-04	-3.83
		-3.83	-3.48e-04	1.23e-06	0.0	53.6	0.75	-5.57	2.64e-03	2.30e-03	8.17e-04	-2.06
182	102	-1.23	7.59e-04	3.38e-05	-8.98	0.0	0.62	6.77	8.44e-04	-6.34e-04	2.62e-04	-2.60
		-2.60	2.62e-04	0.0	0.0	53.6	0.62	-2.21	8.44e-04	-6.34e-04	7.59e-04	-1.37
182	103	-1.50	9.37e-04	4.37e-05	-16.47	0.0	0.79	11.33	1.32e-03	-4.53e-04	2.09e-04	-3.59
		-3.59	2.09e-04	1.06e-06	0.0	53.6	0.79	-5.14	1.32e-03	-4.53e-04	9.37e-04	-1.93
182	104	-1.32	4.90e-04	3.76e-05	-8.98	0.0	0.44	6.90	2.67e-03	3.44e-03	-5.92e-04	-2.74
		-2.74	-5.92e-04	0.0	0.0	53.6	0.44	-2.08	2.67e-03	3.44e-03	4.90e-04	-1.44
182	105	-1.59	6.69e-04	4.75e-05	-16.47	0.0	0.61	11.46	3.15e-03	3.62e-03	-6.45e-04	-3.73
		-3.73	-6.45e-04	1.15e-06	0.0	53.6	0.61	-5.01	3.15e-03	3.62e-03	6.69e-04	-2.00
182	106	-1.27	6.09e-04	3.57e-05	-8.98	0.0	0.55	6.84	2.08e-03	2.09e-03	-2.86e-04	-2.67
		-2.67	-2.86e-04	0.0	0.0	53.6	0.55	-2.14	2.08e-03	2.09e-03	6.09e-04	-1.41
182	107	-1.55	7.87e-04	4.56e-05	-16.47	0.0	0.72	11.39	2.56e-03	2.27e-03	-3.39e-04	-3.66
		-3.66	-3.39e-04	1.18e-06	0.0	53.6	0.72	-5.08	2.56e-03	2.27e-03	7.87e-04	-1.97
182	113	-1.79	-0.01	3.83e-05	-16.47	0.0	0.75	11.73	-0.21	-0.01	-0.01	-4.02
		-4.02	-0.12	9.21e-05	0.0	53.6	0.75	-4.74	-0.21	-0.01	-0.12	-2.15
182	114	-1.31	0.13	5.29e-05	-16.47	0.0	0.69	11.06	0.22	0.02	9.59e-03	-3.30
		-3.30	9.59e-03	-8.97e-05	0.0	53.6	0.69	-5.41	0.22	0.02	0.13	-1.79
182	136	0.88	0.03	-3.36e-05	-16.47	0.0	1.17	7.98	0.04	-8.31e-03	3.09e-03	-0.16
		-0.30	3.09e-03	4.26e-05	0.0	53.6	1.17	-8.49	0.04	-8.31e-03	0.03	-0.30
182	139	-3.60	-3.77e-03	1.10e-04	-16.47	0.0	0.27	14.80	-0.04	0.01	-3.77e-03	-7.16
		-7.16	-0.02	-4.02e-05	0.0	53.6	0.27	-1.67	-0.04	0.01	-0.02	-3.64
182	145	-1.82	-0.01	3.74e-05	-16.47	0.0	0.75	11.77	-0.24	-0.02	-0.01	-4.07
		-4.07	-0.14	1.04e-04	0.0	53.6	0.75	-4.70	-0.24	-0.02	-0.14	-2.17
182	146	-1.28	0.14	5.38e-05	-16.47	0.0	0.68	11.02	0.24	0.02	0.01	-3.26
		-3.26	0.01	-1.02e-04	0.0	53.6	0.68	-5.45	0.24	0.02	0.14	-1.77
182	168	1.20	0.03	-3.90e-05	-16.47	0.0	1.22	7.56	0.05	-9.56e-03	3.52e-03	0.28
		-0.09	3.52e-03	4.85e-05	0.0	53.6	1.22	-8.91	0.05	-9.56e-03	0.03	-0.09
182	171	-3.83	-4.20e-03	1.18e-04	-16.47	0.0	0.21	15.23	-0.04	0.01	-4.20e-03	-7.60
		-7.60	-0.03	-4.61e-05	0.0	53.6	0.21	-1.24	-0.04	0.01	-0.03	-3.85
182	177	-1.82	-0.01	3.82e-05	-16.47	0.0	0.76	11.77	-0.23	-0.02	-0.01	-4.07
		-4.07	-0.13	1.25e-04	0.0	53.6	0.76	-4.70	-0.23	-0.02	-0.13	-2.17
182	178	-1.28	0.13	5.29e-05	-16.47	0.0	0.68	11.02	0.23	0.02	0.01	-3.25

		-3.25	0.01	-1.23e-04	0.0	53.6	0.68	-5.45	0.23	0.02	0.13	-1.76
182	200	1.17	0.03	-3.84e-05	-16.47	0.0	1.22	7.60	0.05	-8.41e-03	3.50e-03	0.23
		-0.11	3.50e-03	5.39e-05	0.0	53.6	1.22	-8.87	0.05	-8.41e-03	0.03	-0.11
182	203	-3.80	-4.18e-03	1.17e-04	-16.47	0.0	0.22	15.18	-0.04	0.01	-4.18e-03	-7.55
		-7.55	-0.03	-5.15e-05	0.0	53.6	0.22	-1.29	-0.04	0.01	-0.03	-3.83
182	209	-1.86	-0.01	3.74e-05	-16.47	0.0	0.76	11.83	-0.26	-0.02	-0.01	-4.14
		-4.14	-0.15	1.59e-04	0.0	53.6	0.76	-4.64	-0.26	-0.02	-0.15	-7.21
182	210	-1.23	0.15	5.38e-05	-16.47	0.0	0.67	10.95	0.27	0.02	0.01	-3.18
		-3.18	0.01	-1.57e-04	0.0	53.6	0.67	-5.52	0.27	0.02	0.15	-1.73
182	232	1.66	0.03	-4.67e-05	-16.47	0.0	1.30	6.97	0.06	-9.83e-03	4.11e-03	0.87
		0.20	4.11e-03	6.63e-05	0.0	53.6	1.30	-9.50	0.06	-9.83e-03	0.03	0.20
182	235	-4.13	-4.79e-03	1.29e-04	-16.47	0.0	0.13	15.81	-0.05	0.01	-4.79e-03	-8.20
		-8.20	-0.03	-6.39e-05	0.0	53.6	0.13	-0.66	-0.05	0.01	-0.03	-4.14
183	4	-4.85	2.37e-03	1.15e-04	-31.23	0.0	1.34	19.34	-3.47e-03	-0.01	2.37e-03	-8.06
		-8.06	1.51e-03	1.62e-06	0.0	53.6	1.34	-11.90	-3.47e-03	-0.01	1.51e-03	-6.06
183	19	-1.73	4.81e-03	3.54e-05	-8.14	0.0	0.69	5.33	-7.41e-03	-0.02	4.81e-03	-2.67
		-2.67	2.89e-03	0.0	0.0	53.6	0.69	-2.82	-7.41e-03	-0.02	2.89e-03	-1.99
183	20	-2.03	4.81e-03	3.99e-05	-8.14	0.0	0.75	5.50	-7.38e-03	-0.02	4.81e-03	-3.03
		-3.03	2.90e-03	0.0	0.0	53.6	0.75	-2.64	-7.38e-03	-0.02	2.90e-03	-2.26
183	28	-5.58	-1.38e-03	1.38e-04	-31.23	0.0	1.00	19.85	4.03e-03	0.01	-2.49e-03	-8.96
		-8.96	-2.49e-03	2.07e-06	0.0	53.6	1.00	-11.38	4.03e-03	0.01	-1.38e-03	-6.69
183	43	-5.04	-2.07e-03	1.28e-04	-25.62	0.0	0.64	16.62	5.50e-03	0.02	-3.52e-03	-7.93
		-7.93	-3.52e-03	1.60e-06	0.0	53.6	0.64	-9.00	5.50e-03	0.02	-2.07e-03	-5.88
183	45	-2.91	-1.94e-03	7.38e-05	-8.14	0.0	0.12	6.19	5.10e-03	0.01	-3.28e-03	-4.17
		-4.17	-3.28e-03	0.0	0.0	53.6	0.12	-1.96	5.10e-03	0.01	-1.94e-03	-3.04
183	68	-3.48	1.49e-03	8.21e-05	-21.47	0.0	0.95	13.39	-2.13e-03	-6.46e-03	1.49e-03	-5.72
		-5.72	9.90e-04	1.16e-06	0.0	53.6	0.95	-8.07	-2.13e-03	-6.46e-03	9.90e-04	-4.30
183	72	-2.05	2.99e-03	4.46e-05	-8.98	0.0	0.67	5.98	-4.47e-03	-0.01	2.99e-03	-3.12
		-3.12	1.87e-03	0.0	0.0	53.6	0.67	-3.00	-4.47e-03	-0.01	1.87e-03	-2.32
183	73	-2.25	2.99e-03	4.76e-05	-8.98	0.0	0.71	6.10	-4.45e-03	-0.01	2.99e-03	-3.36
		-3.36	1.88e-03	0.0	0.0	53.6	0.71	-2.88	-4.45e-03	-0.01	1.88e-03	-2.50
183	80	-3.97	-9.43e-04	9.75e-05	-21.47	0.0	0.72	13.74	2.87e-03	7.49e-03	-1.74e-03	-6.32
		-6.32	-1.74e-03	1.47e-06	0.0	53.6	0.72	-7.73	2.87e-03	7.49e-03	-9.43e-04	-4.71
183	85	-2.84	-1.35e-03	7.02e-05	-8.98	0.0	0.29	6.55	3.87e-03	0.01	-2.40e-03	-4.12
		-4.12	-2.40e-03	0.0	0.0	53.6	0.29	-2.43	3.87e-03	0.01	-1.35e-03	-3.02
183	87	-3.61	-1.40e-03	9.08e-05	-17.72	0.0	0.48	11.58	3.85e-03	0.01	-2.43e-03	-5.63
		-5.63	-2.43e-03	1.15e-06	0.0	53.6	0.48	-6.14	3.85e-03	0.01	-1.40e-03	-4.18
183	98	-3.20	-2.20e-04	7.80e-05	-17.72	0.0	0.77	11.29	1.37e-03	2.79e-03	-6.80e-04	-5.13
		-5.13	-6.80e-04	1.25e-06	0.0	53.6	0.77	-6.43	1.37e-03	2.79e-03	-2.20e-04	-3.83
183	102	-2.37	2.38e-04	5.48e-05	-8.98	0.0	0.59	6.21	2.15e-04	-4.56e-04	7.50e-05	-3.52
		-3.52	7.50e-05	0.0	0.0	53.6	0.59	-2.77	2.15e-04	-4.56e-04	2.38e-04	-2.60
183	104	-2.53	-4.06e-04	5.99e-05	-8.98	0.0	0.51	6.32	1.88e-03	4.19e-03	-1.00e-03	-3.72
		-3.72	-1.00e-03	0.0	0.0	53.6	0.51	-2.65	1.88e-03	4.19e-03	-4.06e-04	-2.74
183	105	-3.18	-4.49e-04	7.76e-05	-16.47	0.0	0.68	10.63	1.87e-03	4.31e-03	-1.03e-03	-5.02
		-5.02	-1.03e-03	1.18e-06	0.0	53.6	0.68	-5.84	1.87e-03	4.31e-03	-4.49e-04	-3.73
183	106	-2.45	-1.70e-04	5.74e-05	-8.98	0.0	0.57	6.27	1.39e-03	2.65e-03	-6.53e-04	-3.62
		-3.62	-6.53e-04	0.0	0.0	53.6	0.57	-2.71	1.39e-03	2.65e-03	-1.70e-04	-2.67
183	107	-3.10	-2.13e-04	7.50e-05	-16.47	0.0	0.74	10.57	1.37e-03	2.77e-03	-6.76e-04	-4.92
		-4.92	-6.76e-04	1.20e-06	0.0	53.6	0.74	-5.90	1.37e-03	2.77e-03	-2.13e-04	-3.66
183	113	-3.52	6.14e-03	8.19e-05	-16.47	0.0	0.76	10.90	-0.04	-0.01	6.14e-03	-5.46
		-5.46	-0.02	8.21e-05	0.0	53.6	0.76	-5.57	-0.04	-0.01	-0.02	-4.02
183	114	-2.67	0.02	6.82e-05	-16.47	0.0	0.71	10.25	0.04	0.02	-7.50e-03	-4.38
		-4.38	-7.50e-03	-7.97e-05	0.0	53.6	0.71	-6.22	0.04	0.02	0.02	-3.30
183	128	0.92	1.78e-03	-3.03e-05	-16.47	0.0	0.93	7.46	7.69e-03	-0.02	-2.17e-03	0.02
		-0.40	-2.17e-03	1.27e-05	0.0	53.6	0.93	-9.01	7.69e-03	-0.02	1.78e-03	-0.40
183	131	-6.80	8.17e-04	1.63e-04	-16.47	0.0	0.54	13.69	-4.94e-03	0.02	8.17e-04	-9.85
		-9.85	-2.21e-03	-1.03e-05	0.0	53.6	0.54	-2.78	-4.94e-03	0.02	-2.21e-03	-6.93
183	136	1.22	3.95e-03	-3.31e-05	-16.47	0.0	0.93	7.25	0.01	-8.44e-03	-2.29e-03	0.37
		-0.16	-2.29e-03	4.17e-05	0.0	53.6	0.93	-9.22	0.01	-8.44e-03	3.95e-03	-0.16
183	139	-7.06	9.38e-04	1.67e-04	-16.47	0.0	0.55	13.90	-9.38e-03	0.01	9.38e-04	-10.20
		-10.20	-4.38e-03	-3.93e-05	0.0	53.6	0.55	-2.57	-9.38e-03	0.01	-4.38e-03	-7.16
183	145	-3.57	6.99e-03	8.27e-05	-16.47	0.0	0.76	10.94	-0.04	-0.02	6.99e-03	-5.52
		-5.52	-0.02	9.31e-05	0.0	53.6	0.76	-5.53	-0.04	-0.02	-0.02	-4.07
183	146	-2.62	0.02	6.73e-05	-16.47	0.0	0.71	10.21	0.05	0.02	-8.34e-03	-4.31
		-4.31	-8.34e-03	-9.07e-05	0.0	53.6	0.71	-6.26	0.05	0.02	0.02	-3.26
183	160	1.44	2.03e-03	-3.73e-05	-16.47	0.0	0.96	7.07	8.49e-03	-0.02	-2.36e-03	0.63
		6.79e-03	-2.36e-03	1.60e-05	0.0	53.6	0.96	-9.40	8.49e-03	-0.02	2.03e-03	6.79e-03
183	163	-7.24	1.01e-03	1.74e-04	-16.47	0.0	0.52	14.08	-5.74e-03	0.02	1.01e-03	-10.47
		-10.47	-2.46e-03	-1.36e-05	0.0	53.6	0.52	-2.39	-5.74e-03	0.02	-2.46e-03	-7.33
183	168	1.79	4.48e-03	-4.08e-05	-16.47	0.0	0.95	6.83	0.01	-9.77e-03	-2.50e-03	1.03
		0.28	-2.50e-03	4.76e-05	0.0	53.6	0.95	-9.64	0.01	-9.77e-03	4.48e-03	0.28
183	171	-7.53	1.15e-03	1.79e-04	-16.47	0.0	0.52	14.31	-0.01	0.02	1.15e-03	-10.86
		-10.86	-4.91e-03	-4.52e-05	0.0	53.6	0.52	-2.16	-0.01	0.02	-4.91e-03	-7.60
183	177	-3.58	6.52e-03	8.26e-05	-16.47	0.0	0.76	10.95	-0.04	-0.01	6.52e-03	-5.53
		-5.53	-0.02	1.14e-04	0.0	53.6	0.76	-5.52	-0.04	-0.01	-0.02	-4.07

183	178	-2.61	0.02	6.74e-05	-16.47	0.0	0.71	10.20	0.05	0.02	-7.87e-03	-4.31
		-4.31	-7.87e-03	-1.12e-04	0.0	53.6	0.71	-6.27	0.05	0.02	0.02	-3.25
183	192	1.36	1.89e-03	-3.62e-05	-16.47	0.0	0.95	7.14	8.19e-03	-0.02	-2.34e-03	0.53
		-0.06	-2.34e-03	3.45e-05	0.0	53.6	0.95	-9.33	8.19e-03	-0.02	1.89e-03	-0.06
183	195	-7.17	9.90e-04	1.72e-04	-16.47	0.0	0.52	14.01	-5.44e-03	0.02	9.90e-04	-10.37
		-10.37	-2.31e-03	-3.21e-05	0.0	53.6	0.52	-2.46	-5.44e-03	0.02	-2.31e-03	-7.27
183	200	1.72	4.51e-03	-4.01e-05	-16.47	0.0	0.95	6.88	0.01	-8.56e-03	-2.51e-03	0.95
		0.23	-2.51e-03	5.35e-05	0.0	53.6	0.95	-9.59	0.01	-8.56e-03	4.51e-03	0.23
183	203	-7.48	1.16e-03	1.78e-04	-16.47	0.0	0.52	14.27	-0.01	0.01	1.16e-03	-10.79
		-10.79	-4.94e-03	-5.11e-05	0.0	53.6	0.52	-2.20	-0.01	0.01	-4.94e-03	-7.55
183	209	-3.66	7.51e-03	8.38e-05	-16.47	0.0	0.77	11.01	-0.05	-0.02	7.51e-03	-5.63
		-5.63	-0.02	1.47e-04	0.0	53.6	0.77	-5.46	-0.05	-0.02	-0.02	-4.14
183	210	-2.53	0.02	6.62e-05	-16.47	0.0	0.70	10.14	0.05	0.02	-8.86e-03	-4.21
		-4.21	-8.86e-03	-1.44e-04	0.0	53.6	0.70	-6.33	0.05	0.02	0.02	-3.18
183	224	2.12	2.16e-03	-4.72e-05	-16.47	0.0	0.99	6.58	9.15e-03	-0.02	-2.61e-03	1.41
		0.53	-2.61e-03	5.09e-05	0.0	53.6	0.99	-9.89	9.15e-03	-0.02	2.16e-03	0.53
183	227	-7.79	1.26e-03	1.88e-04	-16.47	0.0	0.48	14.57	-6.41e-03	0.03	1.26e-03	-11.25
		-11.25	-2.58e-03	-4.85e-05	0.0	53.6	0.48	-1.90	-6.41e-03	0.03	-2.58e-03	-7.85
183	232	2.57	5.29e-03	-5.24e-05	-16.47	0.0	0.99	6.27	0.02	-0.01	-2.81e-03	1.93
		0.87	-2.81e-03	6.62e-05	0.0	53.6	0.99	-10.20	0.02	-0.01	5.29e-03	0.87
183	235	-8.16	1.46e-03	1.95e-04	-16.47	0.0	0.49	14.88	-0.01	0.02	1.46e-03	-11.77
		-11.77	-5.71e-03	-6.38e-05	0.0	53.6	0.49	-1.59	-0.01	0.02	-5.71e-03	-8.20
184	4	-6.38	5.58e-03	1.85e-04	-31.23	0.0	2.33	17.23	-8.80e-03	-8.64e-03	5.58e-03	-8.92
		-8.92	1.86e-03	1.68e-06	0.0	53.6	2.33	-14.01	-8.80e-03	-8.64e-03	1.86e-03	-8.06
184	15	-3.54	8.79e-03	9.50e-05	-12.50	0.0	1.41	7.15	-0.01	-0.02	8.79e-03	-4.63
		-4.63	3.62e-03	0.0	0.0	53.6	1.41	-5.36	-0.01	-0.02	3.62e-03	-4.15
184	19	-2.26	8.45e-03	5.88e-05	-8.14	0.0	1.00	4.64	-0.01	-0.02	8.45e-03	-2.97
		-2.97	3.79e-03	0.0	0.0	53.6	1.00	-3.51	-0.01	-0.02	3.79e-03	-2.67
184	28	-7.36	-1.07e-03	2.17e-04	-31.23	0.0	2.09	17.57	3.38e-04	0.01	-1.07e-03	-10.01
		-10.01	-1.96e-03	2.13e-06	0.0	53.6	2.09	-13.66	3.38e-04	0.01	-1.96e-03	-8.96
184	45	-3.89	-2.58e-03	1.12e-04	-8.14	0.0	0.58	5.21	2.75e-03	0.01	-2.63e-03	-4.78
		-4.78	-2.63e-03	0.0	0.0	53.6	0.58	-2.93	2.75e-03	0.01	-2.58e-03	-4.17
184	48	-5.77	-2.61e-03	1.70e-04	-21.26	0.0	1.27	12.21	3.18e-03	0.01	-2.87e-03	-7.65
		-7.65	-2.87e-03	1.44e-06	0.0	53.6	1.27	-9.05	3.18e-03	0.01	-2.61e-03	-6.80
184	68	-4.58	3.89e-03	1.32e-04	-21.47	0.0	1.66	11.90	-6.26e-03	-5.32e-03	3.89e-03	-6.35
		-6.35	1.17e-03	1.21e-06	0.0	53.6	1.66	-9.56	-6.26e-03	-5.32e-03	1.17e-03	-5.72
184	72	-2.69	6.04e-03	7.23e-05	-8.98	0.0	1.04	5.18	-9.23e-03	-0.01	6.04e-03	-3.49
		-3.49	2.35e-03	0.0	0.0	53.6	1.04	-3.79	-9.23e-03	-0.01	2.35e-03	-3.12
184	80	-5.24	-5.41e-04	1.54e-04	-21.47	0.0	1.49	12.13	-1.62e-04	7.80e-03	-5.41e-04	-7.08
		-7.08	-1.38e-03	1.51e-06	0.0	53.6	1.49	-9.33	-1.62e-04	7.80e-03	-1.38e-03	-6.32
184	85	-3.78	-1.35e-03	1.08e-04	-8.98	0.0	0.77	5.57	9.29e-04	0.01	-1.35e-03	-4.70
		-4.70	-1.90e-03	0.0	0.0	53.6	0.77	-3.41	9.29e-04	0.01	-1.90e-03	-4.12
184	87	-4.77	-1.50e-03	1.42e-04	-17.72	0.0	1.15	10.19	1.18e-03	0.01	-1.50e-03	-6.34
		-6.34	-1.92e-03	1.19e-06	0.0	53.6	1.15	-7.53	1.18e-03	0.01	-1.92e-03	-5.63
184	98	-4.23	1.09e-03	1.24e-04	-17.72	0.0	1.40	10.00	-2.52e-03	3.43e-03	1.09e-03	-5.75
		-5.75	-5.45e-04	1.30e-06	0.0	53.6	1.40	-7.72	-2.52e-03	3.43e-03	-5.45e-04	-5.13
184	102	-3.13	2.20e-03	8.65e-05	-8.98	0.0	1.02	5.34	-4.07e-03	4.61e-04	2.20e-03	-3.98
		-3.98	4.97e-05	0.0	0.0	53.6	1.02	-3.63	-4.07e-03	4.61e-04	4.97e-05	-3.52
184	104	-3.35	7.18e-04	9.36e-05	-8.98	0.0	0.97	5.42	-2.03e-03	4.83e-03	7.18e-04	-4.22
		-4.22	-7.99e-04	0.0	0.0	53.6	0.97	-3.56	-2.03e-03	4.83e-03	-7.99e-04	-3.72
184	105	-4.20	5.91e-04	1.22e-04	-16.47	0.0	1.30	9.38	-1.81e-03	4.87e-03	5.91e-04	-5.63
		-5.63	-8.16e-04	1.23e-06	0.0	53.6	1.30	-7.09	-1.81e-03	4.87e-03	-8.16e-04	-5.02
184	106	-3.24	1.24e-03	9.00e-05	-8.98	0.0	1.02	5.38	-2.78e-03	3.38e-03	1.24e-03	-4.10
		-4.10	-5.25e-04	0.0	0.0	53.6	1.02	-3.59	-2.78e-03	3.38e-03	-5.25e-04	-3.62
184	107	-4.09	1.11e-03	1.19e-04	-16.47	0.0	1.35	9.34	-2.56e-03	3.42e-03	1.11e-03	-5.51
		-5.51	-5.42e-04	1.25e-06	0.0	53.6	1.35	-7.13	-2.56e-03	3.42e-03	-5.42e-04	-4.92
184	113	-4.69	4.09e-03	1.31e-04	-16.47	0.0	1.18	9.61	0.04	-0.01	-0.02	-6.19
		-6.19	-0.02	6.99e-05	0.0	53.6	1.18	-6.86	0.04	-0.01	4.09e-03	-5.46
184	114	-3.49	0.02	1.07e-04	-16.47	0.0	1.52	9.07	-0.05	0.02	0.02	-4.83
		-4.83	-5.17e-03	-6.74e-05	0.0	53.6	1.52	-7.40	-0.05	0.02	-5.17e-03	-4.38
184	136	1.85	6.51e-03	-4.06e-05	-16.47	0.0	1.63	6.91	-0.02	-8.51e-03	6.51e-03	1.08
		0.37	-2.02e-03	4.12e-05	0.0	53.6	1.63	-9.56	-0.02	-8.51e-03	-2.02e-03	0.37
184	139	-9.85	9.40e-04	2.66e-04	-16.47	0.0	1.06	11.77	0.01	0.02	-4.29e-03	-12.10
		-12.10	-4.29e-03	-3.87e-05	0.0	53.6	1.06	-4.70	0.01	0.02	9.40e-04	-10.20
184	145	-4.77	4.67e-03	1.32e-04	-16.47	0.0	1.15	9.64	0.05	-0.02	-0.02	-6.28
		-6.28	-0.02	7.94e-05	0.0	53.6	1.15	-6.83	0.05	-0.02	4.67e-03	-5.52
184	146	-3.42	0.02	1.05e-04	-16.47	0.0	1.54	9.04	-0.05	0.02	0.02	-4.74
		-4.74	-5.75e-03	-7.69e-05	0.0	53.6	1.54	-7.43	-0.05	0.02	-5.75e-03	-4.31
184	168	2.61	7.19e-03	-5.39e-05	-16.47	0.0	1.67	6.61	-0.02	-9.93e-03	7.19e-03	1.90
		1.03	-2.21e-03	4.70e-05	0.0	53.6	1.67	-9.86	-0.02	-9.93e-03	-2.21e-03	1.03
184	171	-10.55	1.13e-03	2.84e-04	-16.47	0.0	1.02	12.07	0.01	0.02	-4.98e-03	-12.92
		-12.92	-4.98e-03	-4.45e-05	0.0	53.6	1.02	-4.40	0.01	0.02	1.13e-03	-10.86
184	177	-4.77	4.47e-03	1.32e-04	-16.47	0.0	1.16	9.65	0.05	-0.01	-0.02	-6.28
		-6.28	-0.02	1.01e-04	0.0	53.6	1.16	-6.82	0.05	-0.01	4.47e-03	-5.53
184	178	-3.41	0.02	1.05e-04	-16.47	0.0	1.53	9.03	-0.05	0.02	0.02	-4.74

		-4.74	-5.56e-03	-9.87e-05	0.0	53.6	1.53	-7.44	-0.05	0.02	-5.56e-03	-4.31
184	200	2.52	7.23e-03	-5.25e-05	-16.47	0.0	1.67	6.64	-0.02	-8.71e-03	7.23e-03	1.81
		0.95	-2.21e-03	5.33e-05	0.0	53.6	1.67	-9.83	-0.02	-8.71e-03	-2.21e-03	0.95
184	203	-10.47	1.12e-03	2.83e-04	-16.47	0.0	1.03	12.03	0.01	0.02	-5.01e-03	-12.83
		-12.83	-5.01e-03	-5.08e-05	0.0	53.6	1.03	-4.44	0.01	0.02	1.12e-03	-10.79
184	209	-4.89	5.24e-03	1.34e-04	-16.47	0.0	1.13	9.70	0.05	-0.02	-0.02	-6.42
		-6.42	-0.02	1.32e-04	0.0	53.6	1.13	-6.77	0.05	-0.02	5.24e-03	-5.63
184	210	-3.29	0.03	1.03e-04	-16.47	0.0	1.56	8.98	-0.06	0.02	0.03	-4.61
		-4.61	-6.32e-03	-1.29e-04	0.0	53.6	1.56	-7.49	-0.06	0.02	-6.32e-03	-4.21
184	232	3.65	8.23e-03	-7.46e-05	-16.47	0.0	1.72	6.20	-0.02	-0.01	8.23e-03	3.02
		1.93	-2.47e-03	6.62e-05	0.0	53.6	1.72	-10.27	-0.02	-0.01	-2.47e-03	1.93
184	235	-11.51	1.39e-03	3.10e-04	-16.47	0.0	0.98	12.48	0.01	0.02	-6.01e-03	-14.04
		-14.04	-6.01e-03	-6.37e-05	0.0	53.6	0.98	-3.99	0.01	0.02	1.39e-03	-11.77
185	15	-3.20	8.02e-03	1.54e-04	-12.50	0.0	2.37	4.31	2.11e-03	-7.56e-03	5.91e-03	-3.59
		-4.63	5.91e-03	0.0	0.0	53.6	2.37	-8.19	2.11e-03	-7.56e-03	8.02e-03	-4.63
185	19	-2.02	7.63e-03	9.66e-05	-8.14	0.0	1.64	2.78	2.41e-05	-8.78e-03	6.49e-03	-2.28
		-2.97	6.49e-03	0.0	0.0	53.6	1.64	-5.36	2.41e-05	-8.78e-03	7.63e-03	-2.97
185	28	-6.73	-5.38e-04	3.43e-04	-31.23	0.0	3.89	11.68	0.01	8.81e-03	-5.05e-03	-7.90
		-10.01	-5.05e-03	1.94e-06	0.0	53.6	3.89	-19.55	0.01	8.81e-03	-5.38e-04	-10.01
185	42	-5.31	-1.57e-03	2.41e-04	-12.50	0.0	2.24	4.04	0.01	0.01	-6.97e-03	-5.66
		-6.85	-6.97e-03	1.08e-06	0.0	53.6	2.24	-8.47	0.01	0.01	-1.57e-03	-6.85
185	45	-3.81	-1.95e-03	1.71e-04	-8.14	0.0	1.31	2.69	0.01	0.01	-6.39e-03	-4.04
		-4.78	-6.39e-03	0.0	0.0	53.6	1.31	-5.45	0.01	0.01	-1.95e-03	-4.78
185	52	-6.20	1.49e-03	3.20e-04	-31.23	0.0	4.11	11.72	8.31e-03	5.00e-03	-2.40e-03	-7.38
		-9.47	-2.40e-03	2.01e-06	0.0	53.6	4.11	-19.52	8.31e-03	5.00e-03	1.49e-03	-9.47
185	72	-2.45	5.55e-03	1.16e-04	-8.98	0.0	1.75	3.08	2.39e-03	-4.49e-03	3.68e-03	-2.73
		-3.49	3.68e-03	0.0	0.0	53.6	1.75	-5.90	2.39e-03	-4.49e-03	5.55e-03	-3.49
185	80	-4.81	-1.59e-04	2.42e-04	-21.47	0.0	2.76	7.99	7.88e-03	6.42e-03	-3.63e-03	-5.61
		-7.08	-3.63e-03	1.36e-06	0.0	53.6	2.76	-13.47	7.88e-03	6.42e-03	-1.59e-04	-7.08
185	85	-3.64	-8.37e-04	1.66e-04	-8.98	0.0	1.53	3.02	9.45e-03	8.32e-03	-4.91e-03	-3.91
		-4.70	-4.91e-03	0.0	0.0	53.6	1.53	-5.96	9.45e-03	8.32e-03	-8.37e-04	-4.70
185	86	-3.86	-8.48e-04	1.74e-04	-8.98	0.0	1.66	2.89	9.43e-03	8.34e-03	-4.91e-03	-4.11
		-4.97	-4.91e-03	0.0	0.0	53.6	1.66	-6.08	9.43e-03	8.34e-03	-8.48e-04	-4.97
185	92	-4.46	1.19e-03	2.27e-04	-21.47	0.0	2.91	8.02	6.52e-03	3.88e-03	-1.86e-03	-5.26
		-6.72	-1.86e-03	1.41e-06	0.0	53.6	2.91	-13.45	6.52e-03	3.88e-03	1.19e-03	-6.72
185	98	-3.88	1.27e-03	1.96e-04	-17.72	0.0	2.47	6.61	6.73e-03	3.94e-03	-1.89e-03	-4.54
		-5.75	-1.89e-03	1.12e-06	0.0	53.6	2.47	-11.10	6.73e-03	3.94e-03	1.27e-03	-5.75
185	102	-2.94	2.24e-03	1.36e-04	-8.98	0.0	1.76	3.06	6.23e-03	2.38e-03	-8.38e-04	-3.21
		-3.98	-8.38e-04	0.0	0.0	53.6	1.76	-5.92	6.23e-03	2.38e-03	2.24e-03	-3.98
185	104	-3.17	9.67e-04	1.46e-04	-8.98	0.0	1.72	3.05	7.64e-03	4.94e-03	-2.56e-03	-3.45
		-4.22	-2.56e-03	0.0	0.0	53.6	1.72	-5.93	7.64e-03	4.94e-03	9.67e-04	-4.22
185	106	-3.06	1.42e-03	1.41e-04	-8.98	0.0	1.77	3.06	7.19e-03	4.10e-03	-1.97e-03	-3.33
		-4.10	-1.97e-03	0.0	0.0	53.6	1.77	-5.92	7.19e-03	4.10e-03	1.42e-03	-4.10
185	107	-3.76	1.29e-03	1.88e-04	-16.47	0.0	2.37	6.11	6.80e-03	3.96e-03	-1.90e-03	-4.37
		-5.51	-1.90e-03	1.07e-06	0.0	53.6	2.37	-10.36	6.80e-03	3.96e-03	1.29e-03	-5.51
185	113	-4.44	-0.01	2.09e-04	-16.47	0.0	2.50	6.17	-0.02	-0.02	-0.01	-5.05
		-6.19	-0.02	6.01e-05	0.0	53.6	2.50	-10.30	-0.02	-0.02	-0.02	-6.19
185	114	-3.08	0.02	1.67e-04	-16.47	0.0	2.25	6.04	0.03	0.03	7.61e-03	-3.69
		-4.83	7.61e-03	-5.80e-05	0.0	53.6	2.25	-10.43	0.03	0.03	0.02	-4.83
185	124	2.23	2.79e-03	-4.28e-05	-16.47	0.0	2.74	6.52	-0.01	-0.02	-2.02e-03	1.55
		0.62	-2.02e-03	-3.36e-06	0.0	53.6	2.74	-9.95	-0.01	-0.02	2.79e-03	0.62
185	127	-9.76	-2.08e-04	4.07e-04	-16.47	0.0	2.00	5.69	0.02	0.02	-1.79e-03	-10.28
		-11.64	-1.79e-03	5.50e-06	0.0	53.6	2.00	-10.78	0.02	0.02	-2.08e-04	-11.64
185	136	2.72	6.89e-03	-5.23e-05	-16.47	0.0	2.68	6.45	0.01	7.56e-03	1.10e-03	2.04
		1.08	1.10e-03	3.92e-05	0.0	53.6	2.68	-10.02	0.01	7.56e-03	6.89e-03	1.08
185	139	-10.24	-4.31e-03	4.20e-04	-16.47	0.0	2.06	5.76	2.01e-03	3.63e-04	-4.91e-03	-10.78
		-12.10	-4.91e-03	-3.71e-05	0.0	53.6	2.06	-10.71	2.01e-03	3.63e-04	-4.31e-03	-12.10
185	145	-4.53	-0.01	2.11e-04	-16.47	0.0	2.51	6.18	-0.02	-0.02	-0.01	-5.13
		-6.28	-0.02	6.84e-05	0.0	53.6	2.51	-10.29	-0.02	-0.02	-0.02	-6.28
185	146	-3.00	0.03	1.65e-04	-16.47	0.0	2.23	6.03	0.03	0.03	8.81e-03	-3.60
		-4.74	8.81e-03	-6.62e-05	0.0	53.6	2.23	-10.44	0.03	0.03	0.03	-4.74
185	156	2.98	2.95e-03	-6.31e-05	-16.47	0.0	2.78	6.58	-0.01	-0.02	-2.03e-03	2.28
		1.38	-2.03e-03	-3.25e-06	0.0	53.6	2.78	-9.89	-0.01	-0.02	2.95e-03	1.38
185	159	-10.50	-3.69e-04	4.35e-04	-16.47	0.0	1.96	5.64	0.03	0.03	-1.78e-03	-11.02
		-12.40	-1.78e-03	5.39e-06	0.0	53.6	1.96	-10.83	0.03	0.03	-3.69e-04	-12.40
185	168	3.53	7.61e-03	-7.57e-05	-16.47	0.0	2.72	6.49	0.01	8.03e-03	1.47e-03	2.84
		1.90	1.47e-03	4.48e-05	0.0	53.6	2.72	-9.98	0.01	8.03e-03	7.61e-03	1.90
185	171	-11.05	-5.03e-03	4.50e-04	-16.47	0.0	2.02	5.72	1.39e-03	-1.09e-04	-5.28e-03	-11.58
		-12.92	-5.28e-03	-4.27e-05	0.0	53.6	2.02	-10.75	1.39e-03	-1.09e-04	-5.03e-03	-12.92
185	177	-4.54	-0.01	2.11e-04	-16.47	0.0	2.51	6.18	-0.02	-0.02	-0.01	-5.15
		-6.28	-0.02	9.04e-05	0.0	53.6	2.51	-10.29	-0.02	-0.02	-0.02	-6.28
185	178	-2.98	0.02	1.65e-04	-16.47	0.0	2.23	6.03	0.03	0.03	8.60e-03	-3.59
		-4.74	8.60e-03	-8.83e-05	0.0	53.6	2.23	-10.44	0.03	0.03	0.02	-4.74
185	188	2.84	2.76e-03	-5.94e-05	-16.47	0.0	2.78	6.57	-0.01	-0.02	-2.09e-03	2.15
		1.24	-2.09e-03	8.65e-06	0.0	53.6	2.78	-9.90	-0.01	-0.02	2.76e-03	1.24

185	191	-10.37	-1.78e-04	4.30e-04	-16.47	0.0	1.97	5.64	0.03	0.03	-1.72e-03	-10.88
		-12.26	-1.72e-03	-6.51e-06	0.0	53.6	1.97	-10.83	0.03	0.03	-1.78e-04	-12.26
185	200	3.43	7.68e-03	-7.32e-05	-16.47	0.0	2.72	6.49	0.01	8.01e-03	1.40e-03	2.75
		1.81	1.40e-03	5.14e-05	0.0	53.6	2.72	-9.98	0.01	8.01e-03	7.68e-03	1.81
185	203	-10.96	-5.10e-03	4.47e-04	-16.47	0.0	2.03	5.72	1.44e-03	-8.60e-05	-5.21e-03	-11.49
		-12.83	-5.21e-03	-4.92e-05	0.0	53.6	2.03	-10.75	1.44e-03	-8.60e-05	-5.10e-03	-12.83
185	209	-4.67	-0.01	2.15e-04	-16.47	0.0	2.54	6.20	-0.02	-0.02	-0.01	-5.28
		-6.42	-0.02	1.19e-04	0.0	53.6	2.54	-10.27	-0.02	-0.02	-0.02	-6.42
185	210	-2.85	0.03	1.61e-04	-16.47	0.0	2.21	6.02	0.04	0.03	0.01	-3.46
		-4.61	0.01	-1.17e-04	0.0	53.6	2.21	-10.45	0.04	0.03	0.03	-4.61
185	220	3.90	2.95e-03	-9.30e-05	-16.47	0.0	2.84	6.64	-0.02	-0.02	-2.11e-03	3.19
		2.32	-2.11e-03	1.67e-05	0.0	53.6	2.84	-9.83	-0.02	-0.02	2.95e-03	2.32
185	223	-11.42	-3.69e-04	4.69e-04	-16.47	0.0	1.90	5.57	0.03	0.03	-1.70e-03	-11.93
		-13.34	-1.70e-03	-1.45e-05	0.0	53.6	1.90	-10.90	0.03	0.03	-3.69e-04	-13.34
185	232	4.62	8.74e-03	-1.14e-04	-16.47	0.0	2.78	6.56	0.01	8.65e-03	1.88e-03	3.93
		3.02	1.88e-03	6.42e-05	0.0	53.6	2.78	-9.91	0.01	8.65e-03	8.74e-03	3.02
185	235	-12.15	-5.69e-03	4.90e-04	-16.47	0.0	1.97	5.66	5.98e-04	-7.23e-04	-5.69e-03	-12.67
		-14.04	-6.16e-03	-6.21e-05	0.0	53.6	1.97	-10.81	5.98e-04	-7.23e-04	-6.16e-03	-14.04
186	4	-0.92	5.35e-03	4.16e-04	-32.41	0.0	5.08	6.16	-3.85e-03	9.42e-03	5.35e-03	-1.25
		-6.84	2.67e-03	1.71e-06	0.0	55.7	5.08	-26.25	-3.85e-03	9.42e-03	2.67e-03	-6.84
186	21	-0.25	8.77e-03	2.51e-04	-22.06	0.0	3.38	4.61	-3.28e-03	0.01	8.77e-03	-0.51
		-4.09	6.38e-03	0.0	0.0	55.7	3.38	-17.45	-3.28e-03	0.01	6.38e-03	-4.09
186	28	-1.76	-2.53e-03	4.76e-04	-32.41	0.0	4.86	5.67	-3.35e-03	1.69e-03	-2.53e-03	-2.03
		-7.90	-4.68e-03	2.22e-06	0.0	55.7	4.86	-26.75	-3.35e-03	1.69e-03	-4.68e-03	-7.90
186	41	-2.01	-4.72e-03	3.17e-04	-12.97	0.0	2.63	0.47	-2.55e-03	1.07e-03	-4.72e-03	-2.01
		-5.36	-6.49e-03	1.17e-06	0.0	55.7	2.63	-12.50	-2.55e-03	1.07e-03	-6.49e-03	-5.36
186	45	-1.67	-4.69e-03	2.38e-04	-8.45	0.0	1.74	-0.04	-1.86e-03	-1.03e-04	-4.69e-03	-1.67
		-4.04	-5.97e-03	0.0	0.0	55.7	1.74	-8.49	-1.86e-03	-1.03e-04	-5.97e-03	-4.04
186	68	-0.76	3.53e-03	2.97e-04	-22.28	0.0	3.60	4.07	-2.81e-03	6.87e-03	3.53e-03	-0.96
		-4.90	1.55e-03	1.23e-06	0.0	55.7	3.60	-18.21	-2.81e-03	6.87e-03	1.55e-03	-4.90
186	74	-0.53	5.78e-03	2.40e-04	-18.39	0.0	3.06	3.37	-2.90e-03	9.33e-03	5.78e-03	-0.70
		-3.94	3.67e-03	0.0	0.0	55.7	3.06	-15.01	-2.90e-03	9.33e-03	3.67e-03	-3.94
186	80	-1.32	-1.73e-03	3.37e-04	-22.28	0.0	3.45	3.74	-2.48e-03	1.71e-03	-1.73e-03	-1.49
		-5.61	-3.36e-03	1.57e-06	0.0	55.7	3.45	-18.54	-2.48e-03	1.71e-03	-3.36e-03	-5.61
186	85	-1.47	-3.19e-03	2.31e-04	-9.32	0.0	1.97	0.28	-1.95e-03	1.30e-03	-3.19e-03	-1.47
		-3.91	-4.56e-03	0.0	0.0	55.7	1.97	-9.04	-1.95e-03	1.30e-03	-4.56e-03	-3.91
186	98	-1.01	-1.69e-06	2.73e-04	-18.39	0.0	3.06	3.12	-2.46e-03	3.64e-03	-1.69e-06	-1.16
		-4.54	-1.70e-03	1.33e-06	0.0	55.7	3.06	-15.27	-2.46e-03	3.64e-03	-1.70e-03	-4.54
186	103	-0.93	1.12e-03	2.56e-04	-17.09	0.0	2.93	2.80	-2.49e-03	4.86e-03	1.12e-03	-1.05
		-4.25	-6.31e-04	1.14e-06	0.0	55.7	2.93	-14.29	-2.49e-03	4.86e-03	-6.31e-04	-4.25
186	104	-1.13	-8.15e-04	2.04e-04	-9.32	0.0	2.15	0.51	-2.04e-03	3.62e-03	-8.15e-04	-1.14
		-3.45	-2.32e-03	0.0	0.0	55.7	2.15	-8.80	-2.04e-03	3.62e-03	-2.32e-03	-3.45
186	106	-1.05	-2.22e-04	1.97e-04	-9.32	0.0	2.20	0.57	-2.06e-03	4.21e-03	-2.22e-04	-1.06
		-3.33	-1.75e-03	0.0	0.0	55.7	2.20	-8.75	-2.06e-03	4.21e-03	-1.75e-03	-3.33
186	107	-1.02	-3.31e-05	2.62e-04	-17.09	0.0	2.93	2.75	-2.40e-03	3.72e-03	-3.31e-05	-1.14
		-4.37	-1.70e-03	1.27e-06	0.0	55.7	2.93	-14.34	-2.40e-03	3.72e-03	-1.70e-03	-4.37
186	113	-2.72	-4.35e-03	2.94e-04	-17.09	0.0	2.96	2.38	-0.01	-0.01	-4.35e-03	-3.14
		-5.05	-0.01	5.07e-05	0.0	55.7	2.96	-14.71	-0.01	-0.01	-0.01	-5.05
186	114	0.85	9.24e-03	2.30e-04	-17.09	0.0	2.90	3.13	9.79e-03	0.02	4.29e-03	0.85
		-3.69	4.29e-03	-4.82e-05	0.0	55.7	2.90	-13.96	9.79e-03	0.02	9.24e-03	-3.69
186	132	3.56	1.17e-03	-7.75e-05	-17.09	0.0	3.37	6.60	2.05e-03	9.30e-03	3.59e-04	2.66
		2.03	3.59e-04	4.07e-05	0.0	55.7	3.37	-10.49	2.05e-03	9.30e-03	1.17e-03	2.03
186	135	-4.95	-4.26e-04	5.99e-04	-17.09	0.0	2.50	-1.10	-6.86e-03	-1.85e-03	-4.26e-04	-4.95
		-10.77	-4.58e-03	-3.81e-05	0.0	55.7	2.50	-18.19	-6.86e-03	-1.85e-03	-4.58e-03	-10.77
186	136	3.84	2.10e-03	-7.81e-05	-17.09	0.0	3.37	6.60	2.28e-03	9.25e-03	1.09e-03	3.14
		2.04	1.09e-03	3.89e-05	0.0	55.7	3.37	-10.49	2.28e-03	9.25e-03	2.10e-03	2.04
186	139	-5.42	-1.16e-03	5.99e-04	-17.09	0.0	2.50	-1.09	-7.09e-03	-1.80e-03	-1.16e-03	-5.42
		-10.78	-5.51e-03	-3.64e-05	0.0	55.7	2.50	-18.19	-7.09e-03	-1.80e-03	-5.51e-03	-10.78
186	145	-2.91	-4.89e-03	2.98e-04	-17.09	0.0	2.97	2.33	-0.02	-0.01	-4.89e-03	-3.39
		-5.13	-0.01	5.78e-05	0.0	55.7	2.97	-14.76	-0.02	-0.01	-0.01	-5.13
186	146	1.10	0.01	2.26e-04	-17.09	0.0	2.90	3.17	0.01	0.02	4.83e-03	1.10
		-3.60	4.83e-03	-5.53e-05	0.0	55.7	2.90	-13.92	0.01	0.02	0.01	-3.60
186	164	4.17	1.53e-03	-1.16e-04	-17.09	0.0	3.43	7.08	2.60e-03	1.00e-02	4.06e-04	3.13
		2.83	4.06e-04	4.54e-05	0.0	55.7	3.43	-10.01	2.60e-03	1.00e-02	1.53e-03	2.83
186	167	-5.42	-4.72e-04	6.41e-04	-17.09	0.0	2.44	-1.58	-7.41e-03	-2.55e-03	-4.72e-04	-5.42
		-11.57	-4.93e-03	-4.28e-05	0.0	55.7	2.44	-18.67	-7.41e-03	-2.55e-03	-4.93e-03	-11.57
186	168	4.48	2.58e-03	-1.17e-04	-17.09	0.0	3.42	7.08	2.86e-03	9.97e-03	1.24e-03	3.67
		2.84	1.24e-03	4.46e-05	0.0	55.7	3.42	-10.01	2.86e-03	9.97e-03	2.58e-03	2.84
186	171	-5.96	-1.30e-03	6.41e-04	-17.09	0.0	2.45	-1.58	-7.67e-03	-2.52e-03	-1.30e-03	-5.96
		-11.58	-5.99e-03	-4.20e-05	0.0	55.7	2.45	-18.67	-7.67e-03	-2.52e-03	-5.99e-03	-11.58
186	177	-2.88	-4.65e-03	2.98e-04	-17.09	0.0	2.97	2.35	-0.02	-0.01	-4.65e-03	-3.33
		-5.15	-0.01	8.09e-05	0.0	55.7	2.97	-14.74	-0.02	-0.01	-0.01	-5.15
186	178	1.04	0.01	2.26e-04	-17.09	0.0	2.90	3.16	0.01	0.02	4.58e-03	1.04
		-3.59	4.58e-03	-7.84e-05	0.0	55.7	2.90	-13.93	0.01	0.02	0.01	-3.59
186	196	4.10	1.52e-03	-1.11e-04	-17.09	0.0	3.42	7.02	2.55e-03	0.01	4.21e-04	3.09

		2.73	4.21e-04	4.60e-05	0.0	55.7	3.42	-10.07	2.55e-03	0.01	1.52e-03	2.73
186	199	-5.37	-4.87e-04	6.36e-04	-17.09	0.0	2.45	-1.52	-7.36e-03	-2.60e-03	-4.87e-04	-5.37
		-11.47	-4.92e-03	-4.34e-05	0.0	55.7	2.45	-18.61	-7.36e-03	-2.60e-03	-4.92e-03	-11.47
186	200	4.40	2.57e-03	-1.12e-04	-17.09	0.0	3.42	7.03	2.82e-03	0.01	1.24e-03	3.60
		2.75	1.24e-03	5.14e-05	0.0	55.7	3.42	-10.06	2.82e-03	0.01	2.57e-03	2.75
186	203	-5.89	-1.31e-03	6.37e-04	-17.09	0.0	2.45	-1.52	-7.63e-03	-2.72e-03	-1.31e-03	-5.89
		-11.49	-5.98e-03	-4.89e-05	0.0	55.7	2.45	-18.62	-7.63e-03	-2.72e-03	-5.98e-03	-11.49
186	209	-3.16	-5.32e-03	3.04e-04	-17.09	0.0	2.98	2.29	-0.02	-0.02	-5.32e-03	-3.68
		-5.28	-0.02	1.09e-04	0.0	55.7	2.98	-14.80	-0.02	-0.02	-0.02	-5.28
186	210	1.39	0.01	2.20e-04	-17.09	0.0	2.89	3.22	0.01	0.02	5.25e-03	1.39
		-3.46	5.25e-03	-1.06e-04	0.0	55.7	2.89	-13.87	0.01	0.02	0.01	-3.46
186	228	5.03	2.05e-03	-1.73e-04	-17.09	0.0	3.50	7.73	3.35e-03	0.01	5.05e-04	3.79
		3.79	5.05e-04	5.46e-05	0.0	55.7	3.50	-9.36	3.35e-03	0.01	2.05e-03	3.89
186	231	-6.07	-5.71e-04	6.97e-04	-17.09	0.0	2.37	-2.22	-8.16e-03	-3.74e-03	-5.71e-04	-6.07
		-12.63	-5.46e-03	-5.21e-05	0.0	55.7	2.37	-19.31	-8.16e-03	-3.74e-03	-5.46e-03	-12.63
186	232	5.36	3.25e-03	-1.75e-04	-17.09	0.0	3.50	7.74	3.60e-03	0.01	1.45e-03	4.39
		3.93	1.45e-03	6.45e-05	0.0	55.7	3.50	-9.35	3.60e-03	0.01	3.25e-03	3.93
186	235	-6.67	-1.52e-03	6.99e-04	-17.09	0.0	2.37	-2.24	-8.41e-03	-3.86e-03	-1.52e-03	-6.67
		-12.67	-6.66e-03	-6.20e-05	0.0	55.7	2.37	-19.33	-8.41e-03	-3.86e-03	-6.66e-03	-12.67
187	4	3.06	6.06e-03	3.69e-04	-32.41	0.0	3.58	10.02	0.01	0.03	2.93e-03	2.19
		-1.25	2.93e-03	1.64e-06	0.0	55.7	3.58	-22.39	0.01	0.03	6.06e-03	-1.25
187	17	2.68	9.83e-03	2.92e-04	-26.58	0.0	3.02	8.21	0.02	0.04	3.74e-03	1.98
		-0.85	3.74e-03	0.0	0.0	55.7	3.02	-18.38	0.02	0.04	9.83e-03	-0.85
187	44	1.72	-1.13e-03	4.17e-04	-26.58	0.0	3.08	7.18	-9.47e-03	-0.02	-1.13e-03	1.18
		-2.22	-4.70e-03	1.86e-06	0.0	55.7	3.08	-19.40	-9.47e-03	-0.02	-4.70e-03	-2.22
187	45	0.08	-2.18e-03	2.34e-04	-8.45	0.0	1.42	1.16	-7.79e-03	-0.02	-2.18e-03	0.04
		-1.67	-4.94e-03	0.0	0.0	55.7	1.42	-7.30	-7.79e-03	-0.02	-4.94e-03	-1.67
187	46	0.14	-2.28e-03	2.48e-04	-8.45	0.0	1.60	0.92	-7.68e-03	-0.02	-2.28e-03	0.12
		-1.73	-4.99e-03	0.0	0.0	55.7	1.60	-7.54	-7.68e-03	-0.02	-4.99e-03	-1.73
187	52	2.73	1.16e-03	4.03e-04	-32.41	0.0	3.62	9.81	-1.21e-03	2.24e-03	1.16e-03	1.90
		-1.66	3.18e-04	2.21e-06	0.0	55.7	3.62	-22.60	-1.21e-03	2.24e-03	3.18e-04	-1.66
187	68	2.05	4.03e-03	2.65e-04	-22.28	0.0	2.56	6.74	7.03e-03	0.02	1.87e-03	1.48
		-0.96	1.87e-03	1.17e-06	0.0	55.7	2.56	-15.54	7.03e-03	0.02	4.03e-03	-0.96
187	74	1.80	6.54e-03	2.14e-04	-18.39	0.0	2.18	5.53	0.01	0.03	2.41e-03	1.34
		-0.70	2.41e-03	0.0	0.0	55.7	2.18	-12.86	0.01	0.03	6.54e-03	-0.70
187	85	0.31	-1.49e-03	2.24e-04	-9.32	0.0	1.56	1.59	-4.91e-03	-0.01	-1.49e-03	0.23
		-1.47	-3.29e-03	0.0	0.0	55.7	1.56	-7.72	-4.91e-03	-0.01	-3.29e-03	-1.47
187	86	0.34	-1.56e-03	2.33e-04	-9.32	0.0	1.68	1.43	-4.84e-03	-0.01	-1.56e-03	0.28
		-1.51	-3.33e-03	0.0	0.0	55.7	1.68	-7.88	-4.84e-03	-0.01	-3.33e-03	-1.51
187	88	1.16	-8.38e-04	2.98e-04	-18.39	0.0	2.23	4.85	-6.07e-03	-0.01	-8.38e-04	0.81
		-1.61	-3.15e-03	1.33e-06	0.0	55.7	2.23	-13.54	-6.07e-03	-0.01	-3.15e-03	-1.61
187	92	1.83	6.87e-04	2.88e-04	-22.28	0.0	2.58	6.60	-5.63e-04	2.06e-03	6.87e-04	1.29
		-1.24	1.98e-04	1.55e-06	0.0	55.7	2.58	-15.67	-5.63e-04	2.06e-03	1.98e-04	-1.24
187	98	1.43	4.45e-04	2.51e-04	-18.39	0.0	2.23	5.30	-1.08e-04	2.48e-03	4.45e-04	1.01
		-1.16	1.57e-04	1.27e-06	0.0	55.7	2.23	-13.09	-1.08e-04	2.48e-03	1.57e-04	-1.16
187	103	1.38	1.41e-03	2.34e-04	-17.09	0.0	2.14	4.86	2.60e-03	8.27e-03	7.35e-04	1.00
		-1.05	7.35e-04	1.08e-06	0.0	55.7	2.14	-12.24	2.60e-03	8.27e-03	1.41e-03	-1.05
187	104	0.54	-5.18e-04	1.94e-04	-9.32	0.0	1.66	1.82	-8.11e-05	8.86e-04	-5.18e-04	0.44
		-1.14	-6.76e-04	0.0	0.0	55.7	1.66	-7.49	-8.11e-05	8.86e-04	-6.76e-04	-1.14
187	105	1.25	9.87e-05	2.49e-04	-17.09	0.0	2.13	4.75	-1.14e-03	-1.48e-04	9.87e-05	0.89
		-1.23	-5.22e-04	1.20e-06	0.0	55.7	2.13	-12.34	-1.14e-03	-1.48e-04	-5.22e-04	-1.23
187	106	0.59	-2.26e-05	1.87e-04	-9.32	0.0	1.68	1.88	1.13e-03	3.69e-03	-2.74e-04	0.49
		-1.06	-2.74e-04	0.0	0.0	55.7	1.68	-7.43	1.13e-03	3.69e-03	-2.26e-05	-1.06
187	107	1.31	3.42e-04	2.42e-04	-17.09	0.0	2.15	4.81	6.86e-05	2.66e-03	3.42e-04	0.94
		-1.14	1.31e-04	1.21e-06	0.0	55.7	2.15	-12.28	6.86e-05	2.66e-03	1.31e-04	-1.14
187	113	-8.97e-03	-3.85e-03	2.79e-04	-17.09	0.0	2.17	4.43	0.01	0.01	-0.01	-0.18
		-3.14	-0.01	3.76e-05	0.0	55.7	2.17	-12.66	0.01	0.01	-3.85e-03	-3.14
187	114	2.72	0.01	2.05e-04	-17.09	0.0	2.13	5.19	-0.01	-8.79e-03	0.01	2.05
		0.85	4.11e-03	-3.52e-05	0.0	55.7	2.13	-11.91	-0.01	-8.79e-03	4.11e-03	0.85
187	132	3.84	1.71e-03	-1.37e-04	-17.09	0.0	2.55	8.95	2.10e-04	0.02	1.71e-03	2.64
		2.64	1.70e-03	4.05e-05	0.0	55.7	2.55	-8.14	2.10e-04	0.02	1.70e-03	2.66
187	134	4.24	7.45e-03	-9.60e-05	-17.09	0.0	2.48	8.48	-6.72e-03	8.50e-03	7.45e-03	2.97
		2.97	3.63e-03	1.40e-05	0.0	55.7	2.48	-8.62	-6.72e-03	8.50e-03	3.63e-03	3.13
187	135	-0.75	-1.02e-03	6.21e-04	-17.09	0.0	1.75	0.67	-7.28e-05	-0.01	-1.02e-03	-0.77
		-4.95	-1.44e-03	-3.81e-05	0.0	55.7	1.75	-16.43	-7.28e-05	-0.01	-1.44e-03	-4.95
187	139	-0.79	-1.80e-03	6.22e-04	-17.09	0.0	1.75	0.67	2.36e-03	-9.44e-03	-2.73e-03	-0.79
		-5.42	-2.73e-03	-3.44e-05	0.0	55.7	1.75	-16.42	2.36e-03	-9.44e-03	-1.80e-03	-5.42
187	145	-0.17	-4.34e-03	2.83e-04	-17.09	0.0	2.17	4.39	0.01	0.02	-0.01	-0.32
		-3.39	-0.01	4.30e-05	0.0	55.7	2.17	-12.71	0.01	0.02	-4.34e-03	-3.39
187	146	2.90	0.01	2.00e-04	-17.09	0.0	2.13	5.23	-0.01	-0.01	0.01	2.19
		1.10	4.61e-03	-4.06e-05	0.0	55.7	2.13	-11.86	-0.01	-0.01	4.61e-03	1.10
187	164	4.18	1.89e-03	-1.85e-04	-17.09	0.0	2.60	9.47	2.37e-04	0.02	1.87e-03	2.86
		2.86	1.87e-03	4.53e-05	0.0	55.7	2.60	-7.62	2.37e-04	0.02	1.89e-03	3.13
187	166	4.64	8.33e-03	-1.37e-04	-17.09	0.0	2.52	8.93	-7.55e-03	9.24e-03	8.33e-03	3.23
		3.23	4.07e-03	1.50e-05	0.0	55.7	2.52	-8.16	-7.55e-03	9.24e-03	4.07e-03	3.67

187	167	-0.98	-1.19e-03	6.68e-04	-17.09	0.0	1.70	0.15	-9.97e-05	-0.01	-1.19e-03	-0.98
		-5.42	-1.63e-03	-4.29e-05	0.0	55.7	1.70	-16.94	-9.97e-05	-0.01	-1.63e-03	-5.42
187	171	-1.01	-2.05e-03	6.69e-04	-17.09	0.0	1.70	0.15	2.64e-03	-0.01	-3.12e-03	-1.01
		-5.96	-3.12e-03	-3.98e-05	0.0	55.7	1.70	-16.94	2.64e-03	-0.01	-2.05e-03	-5.96
187	177	-0.11	-4.07e-03	2.83e-04	-17.09	0.0	2.17	4.41	0.01	0.02	-0.01	-0.26
		-3.33	-0.01	6.63e-05	0.0	55.7	2.17	-12.68	0.01	0.02	-4.07e-03	-3.33
187	178	2.84	0.01	2.00e-04	-17.09	0.0	2.13	5.21	-0.01	-0.01	0.01	2.13
		1.04	4.33e-03	-6.38e-05	0.0	55.7	2.13	-11.88	-0.01	-0.01	4.33e-03	1.04
187	196	4.16	1.94e-03	-1.79e-04	-17.09	0.0	2.60	9.41	2.09e-04	0.02	1.94e-03	2.84
		2.84	1.93e-03	4.62e-05	0.0	55.7	2.60	-7.68	2.09e-04	0.02	1.93e-03	3.09
187	198	4.59	7.97e-03	-1.32e-04	-17.09	0.0	2.51	8.87	-7.09e-03	9.20e-03	7.97e-03	3.19
		3.19	3.94e-03	2.95e-06	0.0	55.7	2.51	-8.22	-7.09e-03	9.20e-03	3.94e-03	3.59
187	199	-0.97	-1.26e-03	6.63e-04	-17.09	0.0	1.70	0.21	-7.20e-05	-0.01	-1.26e-03	-0.97
		-5.37	-1.66e-03	-4.38e-05	0.0	55.7	1.70	-16.88	-7.20e-05	-0.01	-1.66e-03	-5.37
187	203	-1.00	-2.07e-03	6.64e-04	-17.09	0.0	1.71	0.21	2.55e-03	-0.01	-3.11e-03	-1.00
		-5.89	-3.11e-03	-4.65e-05	0.0	55.7	1.71	-16.88	2.55e-03	-0.01	-2.07e-03	-5.89
187	209	-0.32	-4.64e-03	2.90e-04	-17.09	0.0	2.18	4.35	0.02	0.02	-0.01	-0.44
		-3.68	-0.01	9.14e-05	0.0	55.7	2.18	-12.74	0.02	0.02	-4.64e-03	-3.68
187	210	3.08	0.01	1.93e-04	-17.09	0.0	2.12	5.26	-0.01	-0.01	0.01	2.31
		1.39	4.90e-03	-8.90e-05	0.0	55.7	2.12	-11.83	-0.01	-0.01	4.90e-03	1.39
187	228	4.68	2.26e-03	-2.48e-04	-17.09	0.0	2.67	10.17	2.04e-04	0.02	2.26e-03	3.16
		3.16	2.25e-03	5.52e-05	0.0	55.7	2.67	-6.93	2.04e-04	0.02	2.25e-03	3.79
187	230	5.18	9.09e-03	-1.94e-04	-17.09	0.0	2.57	9.53	-8.10e-03	0.01	9.09e-03	3.55
		3.55	4.53e-03	-3.38e-06	0.0	55.7	2.57	-7.56	-8.10e-03	0.01	4.53e-03	4.37
187	231	-1.29	-1.57e-03	7.32e-04	-17.09	0.0	1.63	-0.55	-6.73e-05	-0.02	-1.57e-03	-1.29
		-6.07	-1.99e-03	-5.28e-05	0.0	55.7	1.63	-17.64	-6.73e-05	-0.02	-1.99e-03	-6.07
187	235	-1.32	-2.44e-03	7.34e-04	-17.09	0.0	1.64	-0.56	2.92e-03	-0.01	-3.67e-03	-1.32
		-6.67	-3.67e-03	-5.92e-05	0.0	55.7	1.64	-17.65	2.92e-03	-0.01	-2.44e-03	-6.67
188	4	3.83	4.91e-03	2.45e-04	-32.41	0.0	1.54	18.61	0.05	0.02	-0.02	0.86
		0.86	-0.02	1.56e-06	0.0	55.7	1.54	-13.80	0.05	0.02	4.91e-03	2.19
188	17	3.34	6.94e-03	1.89e-04	-26.58	0.0	1.28	15.17	0.06	0.03	-0.02	0.93
		0.93	-0.02	0.0	0.0	55.7	1.28	-11.41	0.06	0.03	6.94e-03	1.98
188	19	1.39	5.81e-03	8.14e-05	-8.45	0.0	0.71	4.64	0.05	0.03	-0.01	0.68
		0.68	-0.01	0.0	0.0	55.7	0.71	-3.82	0.05	0.03	5.81e-03	0.91
188	28	3.39	-6.05e-04	3.16e-04	-32.41	0.0	1.69	18.26	0.04	-8.97e-03	-0.03	0.53
		0.53	-0.03	2.05e-06	0.0	55.7	1.69	-14.16	0.04	-8.97e-03	-6.05e-04	1.67
188	43	2.61	-2.25e-03	3.07e-04	-26.58	0.0	1.53	14.57	0.04	-0.01	-0.03	0.39
		0.39	-0.03	1.57e-06	0.0	55.7	1.53	-12.01	0.04	-0.01	-2.25e-03	1.10
188	45	0.68	-3.38e-03	1.99e-04	-8.45	0.0	0.96	4.04	0.03	-0.01	-0.02	0.14
		0.04	-0.02	0.0	0.0	55.7	0.96	-4.41	0.03	-0.01	-3.38e-03	0.04
188	68	2.63	3.22e-03	1.79e-04	-22.28	0.0	1.14	12.71	0.04	0.01	-0.02	0.61
		0.61	-0.02	1.11e-06	0.0	55.7	1.14	-9.56	0.04	0.01	3.22e-03	1.48
188	72	1.35	3.91e-03	1.06e-04	-9.32	0.0	0.80	5.09	0.04	0.02	-0.01	0.57
		0.57	-0.01	0.0	0.0	55.7	0.80	-4.23	0.04	0.02	3.91e-03	0.81
188	74	2.30	4.58e-03	1.42e-04	-18.39	0.0	0.96	10.42	0.04	0.02	-0.01	0.66
		0.66	-0.01	0.0	0.0	55.7	0.96	-7.97	0.04	0.02	4.58e-03	1.34
188	80	2.33	-4.54e-04	2.27e-04	-22.28	0.0	1.23	12.48	0.03	-5.79e-03	-0.02	0.39
		0.39	-0.02	1.44e-06	0.0	55.7	1.23	-9.80	0.03	-5.79e-03	-4.54e-04	1.13
188	85	0.87	-2.21e-03	1.85e-04	-9.32	0.0	0.97	4.69	0.03	-8.45e-03	-0.02	0.21
		0.21	-0.02	0.0	0.0	55.7	0.97	-4.62	0.03	-8.45e-03	-2.21e-03	0.23
188	87	1.82	-1.55e-03	2.21e-04	-18.39	0.0	1.12	10.02	0.03	-9.27e-03	-0.02	0.30
		0.30	-0.02	1.12e-06	0.0	55.7	1.12	-8.37	0.03	-9.27e-03	-1.55e-03	0.76
188	98	2.01	6.37e-04	1.82e-04	-18.39	0.0	1.09	10.27	0.03	1.85e-04	-0.02	0.41
		0.41	-0.02	1.18e-06	0.0	55.7	1.09	-8.12	0.03	1.85e-04	6.37e-04	1.01
188	102	1.11	7.62e-04	1.38e-04	-9.32	0.0	0.91	4.97	0.03	4.80e-03	-0.01	0.38
		0.38	-0.01	0.0	0.0	55.7	0.91	-4.35	0.03	4.80e-03	7.62e-04	0.55
188	103	1.93	1.33e-03	1.69e-04	-17.09	0.0	1.04	9.54	0.03	4.10e-03	-0.02	0.45
		0.45	-0.02	1.01e-06	0.0	55.7	1.04	-7.56	0.03	4.10e-03	1.33e-03	1.00
188	104	1.02	-4.63e-04	1.53e-04	-9.32	0.0	0.94	4.89	0.03	-8.85e-04	-0.02	0.31
		0.31	-0.02	0.0	0.0	55.7	0.94	-4.43	0.03	-8.85e-04	-4.63e-04	0.44
188	105	1.83	1.05e-04	1.84e-04	-17.09	0.0	1.07	9.46	0.03	-1.59e-03	-0.02	0.38
		0.38	-0.02	1.12e-06	0.0	55.7	1.07	-7.64	0.03	-1.59e-03	1.05e-04	0.89
188	106	1.06	-2.54e-05	1.46e-04	-9.32	0.0	0.93	4.94	0.03	1.01e-03	-0.02	0.33
		0.33	-0.02	0.0	0.0	55.7	0.93	-4.38	0.03	1.01e-03	-2.54e-05	0.49
188	107	1.87	5.42e-04	1.77e-04	-17.09	0.0	1.07	9.51	0.03	3.03e-04	-0.02	0.40
		0.40	-0.02	1.13e-06	0.0	55.7	1.07	-7.59	0.03	3.03e-04	5.42e-04	0.94
188	108	1.77	0.13	-2.51e-05	-17.09	0.0	1.18	9.32	-0.24	0.03	0.13	0.32
		0.32	-7.13e-03	2.34e-05	0.0	55.7	1.18	-7.77	-0.24	0.03	-7.13e-03	0.81
188	111	1.98	8.21e-03	3.51e-04	-17.09	0.0	0.95	9.69	0.31	-0.03	-0.16	0.48
		0.48	-0.16	-2.12e-05	0.0	55.7	0.95	-7.40	0.31	-0.03	8.21e-03	1.06
188	132	2.94	0.06	-2.18e-04	-17.09	0.0	1.30	12.80	-0.12	0.02	0.06	0.26
		0.26	3.48e-03	4.00e-05	0.0	55.7	1.30	-4.29	-0.12	0.02	3.48e-03	2.64
188	133	1.04	-7.55e-03	5.27e-04	-17.09	0.0	0.88	5.60	0.05	-1.37e-03	-0.02	0.52
		-1.10	-0.02	-1.81e-05	0.0	55.7	0.88	-11.49	0.05	-1.37e-03	-7.55e-03	-1.10
188	134	3.19	8.64e-03	-1.74e-04	-17.09	0.0	1.26	13.41	0.02	1.97e-03	-9.00e-03	0.28

		0.28	-9.00e-03	2.04e-05	0.0	55.7	1.26	-3.68	0.02	1.97e-03	8.64e-03	2.97
188	135	1.17	-2.39e-03	5.71e-04	-17.09	0.0	0.84	6.21	0.18	-0.01	-0.09	0.55
		-0.77	-0.09	-3.78e-05	0.0	55.7	0.84	-10.88	0.18	-0.01	-2.39e-03	-0.77
188	140	1.75	0.15	-3.68e-05	-17.09	0.0	1.20	9.30	-0.28	0.03	0.15	0.31
		0.31	-8.09e-03	2.70e-05	0.0	55.7	1.20	-7.79	-0.28	0.03	-8.09e-03	0.79
188	143	1.99	9.18e-03	3.73e-04	-17.09	0.0	0.94	9.71	0.34	-0.03	-0.18	0.49
		0.49	-0.18	-2.48e-05	0.0	55.7	0.94	-7.38	0.34	-0.03	9.18e-03	1.08
188	164	3.09	0.07	-2.67e-04	-17.09	0.0	1.33	13.21	-0.13	0.02	0.07	0.24
		0.24	3.84e-03	4.48e-05	0.0	55.7	1.33	-3.88	-0.13	0.02	3.84e-03	2.86
188	165	0.97	-8.56e-03	5.71e-04	-17.09	0.0	0.85	5.11	0.05	-1.56e-03	-0.02	0.54
		-1.36	-0.02	-2.00e-05	0.0	55.7	0.85	-11.98	0.05	-1.56e-03	-8.56e-03	-1.36
188	166	3.40	9.65e-03	-2.17e-04	-17.09	0.0	1.28	13.90	0.01	2.16e-03	-8.21e-03	0.27
		0.27	-8.21e-03	2.22e-05	0.0	55.7	1.28	-3.19	0.01	2.16e-03	9.65e-03	3.23
188	167	1.10	-2.76e-03	6.20e-04	-17.09	0.0	0.81	5.80	0.20	-0.02	-0.10	0.57
		-0.98	-0.10	-4.25e-05	0.0	55.7	0.81	-11.29	0.20	-0.02	-2.76e-03	-0.98
188	172	1.77	0.14	-3.39e-05	-17.09	0.0	1.19	9.37	-0.27	0.03	0.14	0.31
		0.31	-7.56e-03	5.01e-05	0.0	55.7	1.19	-7.73	-0.27	0.03	-7.56e-03	0.83
188	175	1.97	8.64e-03	3.67e-04	-17.09	0.0	0.94	9.64	0.33	-0.03	-0.18	0.49
		0.49	-0.18	-4.78e-05	0.0	55.7	0.94	-7.45	0.33	-0.03	8.64e-03	1.04
188	196	3.09	0.06	-2.61e-04	-17.09	0.0	1.32	13.19	-0.13	0.02	0.06	0.24
		0.24	3.91e-03	4.60e-05	0.0	55.7	1.32	-3.90	-0.13	0.02	3.91e-03	2.84
188	197	0.98	-8.24e-03	5.66e-04	-17.09	0.0	0.86	5.18	0.04	-1.28e-03	-0.02	0.54
		-1.32	-0.02	-8.25e-06	0.0	55.7	0.86	-11.91	0.04	-1.28e-03	-8.24e-03	-1.32
188	198	3.37	9.33e-03	-2.13e-04	-17.09	0.0	1.28	13.83	0.02	1.88e-03	-0.01	0.27
		0.27	-0.01	1.05e-05	0.0	55.7	1.28	-3.27	0.02	1.88e-03	9.33e-03	3.19
188	199	1.11	-2.82e-03	6.14e-04	-17.09	0.0	0.81	5.82	0.19	-0.02	-0.10	0.56
		-0.97	-0.10	-4.37e-05	0.0	55.7	0.81	-11.27	0.19	-0.02	-2.82e-03	-0.97
188	204	1.77	0.17	-5.30e-05	-17.09	0.0	1.21	9.38	-0.32	0.03	0.17	0.30
		0.30	-8.66e-03	7.24e-05	0.0	55.7	1.21	-7.72	-0.32	0.03	-8.66e-03	0.83
188	207	1.98	9.74e-03	3.97e-04	-17.09	0.0	0.92	9.63	0.38	-0.03	-0.20	0.51
		0.51	-0.20	-7.01e-05	0.0	55.7	0.92	-7.46	0.38	-0.03	9.74e-03	1.04
188	228	3.33	0.08	-3.32e-04	-17.09	0.0	1.37	13.80	-0.15	0.02	0.08	0.21
		0.21	4.52e-03	5.53e-05	0.0	55.7	1.37	-3.29	-0.15	0.02	4.52e-03	3.16
188	229	0.89	-9.58e-03	6.30e-04	-17.09	0.0	0.82	4.49	0.05	-1.46e-03	-0.02	0.56
		-1.68	-0.02	-3.50e-06	0.0	55.7	0.82	-12.60	0.05	-1.46e-03	-9.58e-03	-1.68
188	230	3.66	0.01	-2.77e-04	-17.09	0.0	1.31	14.52	0.02	2.07e-03	-9.64e-03	0.24
		0.24	-9.64e-03	5.76e-06	0.0	55.7	1.31	-2.57	0.02	2.07e-03	0.01	3.55
188	231	1.03	-3.44e-03	6.85e-04	-17.09	0.0	0.77	5.21	0.21	-0.02	-0.11	0.59
		-1.29	-0.11	-5.30e-05	0.0	55.7	0.77	-11.89	0.21	-0.02	-3.44e-03	-1.29
189	3	0.27	1.76e-03	1.47e-05	-15.69	0.0	0.13	11.73	-7.89e-04	2.90e-03	1.76e-03	-2.09
		-2.09	1.05e-03	1.40e-06	0.0	53.6	0.13	-3.96	-7.89e-04	2.90e-03	1.05e-03	-1.26e-06
189	18	0.20	2.83e-03	-1.38e-05	-12.90	0.0	-0.17	9.78	-2.96e-03	2.80e-03	2.83e-03	-1.79
		-1.79	9.91e-04	1.06e-06	0.0	53.6	-0.17	-3.12	-2.96e-03	2.80e-03	9.91e-04	0.0
189	20	0.04	2.66e-03	-6.15e-06	-4.17	0.0	-0.38	3.42	-3.70e-03	1.73e-03	2.66e-03	-0.72
		-0.72	5.42e-04	0.0	0.0	53.6	-0.38	-0.75	-3.70e-03	1.73e-03	5.42e-04	0.0
189	28	0.17	1.13e-03	3.46e-05	-15.69	0.0	0.78	12.52	4.06e-03	3.05e-03	-6.70e-04	-2.51
		-2.51	-6.70e-04	1.91e-06	0.0	53.6	0.78	-3.17	4.06e-03	3.05e-03	1.13e-03	-1.86e-06
189	43	0.11	9.49e-04	3.79e-05	-12.90	0.0	0.95	10.61	5.57e-03	2.72e-03	-1.68e-03	-2.23
		-2.23	-1.68e-03	1.39e-06	0.0	53.6	0.95	-2.29	5.57e-03	2.72e-03	9.49e-04	-1.79e-06
189	45	-1.12e-06	5.00e-04	2.88e-05	-4.17	0.0	0.73	4.26	4.82e-03	1.65e-03	-1.86e-03	-1.16
		-1.16	-1.86e-03	0.0	0.0	53.6	0.73	0.09	4.82e-03	1.65e-03	5.00e-04	-1.12e-06
189	67	0.17	1.18e-03	1.13e-05	-10.80	0.0	0.11	8.16	-3.95e-04	2.13e-03	1.18e-03	-1.48
		-1.48	7.56e-04	1.01e-06	0.0	53.6	0.11	-2.64	-3.95e-04	2.13e-03	7.56e-04	0.0
189	73	0.03	1.85e-03	-4.21e-06	-4.58	0.0	-0.18	3.84	-2.12e-03	1.76e-03	1.85e-03	-0.83
		-0.83	5.61e-04	0.0	0.0	53.6	-0.18	-0.74	-2.12e-03	1.76e-03	5.61e-04	0.0
189	75	0.13	1.90e-03	-8.97e-06	-8.93	0.0	-0.09	6.85	-1.84e-03	2.07e-03	1.90e-03	-1.28
		-1.28	7.19e-04	0.0	0.0	53.6	-0.09	-2.08	-1.84e-03	2.07e-03	7.19e-04	0.0
189	80	0.11	8.12e-04	2.45e-05	-10.80	0.0	0.54	8.68	2.84e-03	2.23e-03	-4.37e-04	-1.76
		-1.76	-4.37e-04	1.35e-06	0.0	53.6	0.54	-2.12	2.84e-03	2.23e-03	8.12e-04	-1.31e-06
189	85	1.39e-03	5.33e-04	2.41e-05	-4.58	0.0	0.57	4.40	3.56e-03	1.71e-03	-1.16e-03	-1.13
		-1.13	-1.16e-03	0.0	0.0	53.6	0.57	-0.18	3.56e-03	1.71e-03	5.33e-04	-1.01e-06
189	87	0.07	6.91e-04	2.67e-05	-8.93	0.0	0.66	7.41	3.84e-03	2.01e-03	-1.11e-03	-1.58
		-1.58	-1.11e-03	1.00e-06	0.0	53.6	0.66	-1.53	3.84e-03	2.01e-03	6.91e-04	-1.27e-06
189	98	0.10	7.10e-04	1.63e-05	-8.93	0.0	0.31	7.07	1.30e-03	2.03e-03	2.37e-04	-1.40
		-1.40	2.37e-04	1.17e-06	0.0	53.6	0.31	-1.86	1.30e-03	2.03e-03	7.10e-04	0.0
189	102	0.02	5.45e-04	1.16e-05	-4.58	0.0	0.14	3.99	4.17e-04	1.71e-03	5.00e-04	-0.91
		-0.91	5.00e-04	0.0	0.0	53.6	0.14	-0.59	4.17e-04	1.71e-03	5.45e-04	0.0
189	104	0.01	5.49e-04	1.57e-05	-4.58	0.0	0.29	4.13	1.53e-03	1.72e-03	-7.91e-05	-0.99
		-0.99	-7.91e-05	0.0	0.0	53.6	0.29	-0.46	1.53e-03	1.72e-03	5.49e-04	0.0
189	105	0.08	6.84e-04	1.80e-05	-8.31	0.0	0.36	6.71	1.77e-03	1.98e-03	-3.96e-05	-1.37
		-1.37	-3.96e-05	1.09e-06	0.0	53.6	0.36	-1.60	1.77e-03	1.98e-03	6.84e-04	0.0
189	106	0.02	5.53e-04	1.36e-05	-4.58	0.0	0.22	4.06	1.02e-03	1.72e-03	1.91e-04	-0.95
		-0.95	1.91e-04	0.0	0.0	53.6	0.22	-0.52	1.02e-03	1.72e-03	5.53e-04	0.0
189	107	0.09	6.88e-04	1.59e-05	-8.31	0.0	0.29	6.64	1.26e-03	1.98e-03	2.30e-04	-1.33
		-1.33	2.30e-04	1.12e-06	0.0	53.6	0.29	-1.67	1.26e-03	1.98e-03	6.88e-04	0.0

189	108	0.72	-0.02	-1.56e-05	-8.31	0.0	-2.97	3.58	0.11	-0.01	-0.08	0.31
		0.0	-0.08	9.09e-05	0.0	53.6	-2.97	-4.73	0.11	-0.01	-0.02	0.0
189	111	-1.82e-06	0.08	3.83e-05	-8.31	0.0	3.55	9.70	-0.11	0.01	0.08	-2.97
		-2.97	0.02	-8.86e-05	0.0	53.6	3.55	1.38	-0.11	0.01	0.02	-1.82e-06
189	113	0.28	-0.02	3.26e-05	-8.31	0.0	-2.35	5.35	0.14	-0.01	-0.10	-0.64
		-0.64	-0.10	9.25e-05	0.0	53.6	-2.35	-2.96	0.14	-0.01	-0.02	0.0
189	114	4.17e-03	0.10	-1.13e-05	-8.31	0.0	2.93	7.93	-0.13	0.02	0.10	-2.02
		-2.02	0.03	-9.03e-05	0.0	53.6	2.93	-0.38	-0.13	0.02	0.03	-1.19e-06
189	124	0.92	3.63e-03	-4.49e-05	-8.31	0.0	-1.80	2.97	-3.29e-03	3.18e-03	3.63e-03	0.64
		0.0	1.61e-03	1.57e-05	0.0	53.6	-1.80	-5.35	-3.29e-03	3.18e-03	1.61e-03	0.0
189	127	-2.08e-06	-2.32e-04	7.67e-05	-8.31	0.0	2.38	10.31	5.82e-03	7.86e-04	-3.17e-03	-3.30
		-3.30	-3.17e-03	-1.35e-05	0.0	53.6	2.38	2.00	5.82e-03	7.86e-04	-2.32e-04	-2.08e-06
189	140	0.84	-0.02	-1.73e-05	-8.31	0.0	-3.38	3.20	0.12	-0.01	-0.09	0.51
		0.0	-0.09	1.03e-04	0.0	53.6	-3.38	-5.11	0.12	-0.01	-0.02	0.0
189	143	-1.93e-06	0.09	4.12e-05	-8.31	0.0	3.96	10.08	-0.12	0.02	0.09	-3.18
		-3.18	0.02	-1.01e-04	0.0	53.6	3.96	1.77	-0.12	0.02	0.02	-1.93e-06
189	145	0.32	-0.03	3.46e-05	-8.31	0.0	-2.68	5.19	0.15	-0.02	-0.11	-0.55
		-0.55	-0.11	1.05e-04	0.0	53.6	-2.68	-3.13	0.15	-0.02	-0.03	0.0
189	146	-1.22e-06	0.11	-1.23e-05	-8.31	0.0	3.27	8.09	-0.15	0.02	0.11	-2.11
		-2.11	0.03	-1.03e-04	0.0	53.6	3.27	-0.22	-0.15	0.02	0.03	-1.22e-06
189	156	1.09	3.94e-03	-5.24e-05	-8.31	0.0	-2.06	2.51	-3.71e-03	3.31e-03	3.94e-03	0.88
		0.0	1.70e-03	1.84e-05	0.0	53.6	-2.06	-5.80	-3.71e-03	3.31e-03	1.70e-03	0.0
189	159	-2.23e-06	-3.20e-04	8.42e-05	-8.31	0.0	2.64	10.77	6.24e-03	6.50e-04	-3.48e-03	-3.55
		-3.55	-3.48e-03	-1.62e-05	0.0	53.6	2.64	2.46	6.24e-03	6.50e-04	-3.20e-04	-2.23e-06
189	172	0.84	-0.02	-1.84e-05	-8.31	0.0	-3.21	3.21	0.12	-0.01	-0.08	0.51
		0.0	-0.08	1.24e-04	0.0	53.6	-3.21	-5.10	0.12	-0.01	-0.02	0.0
189	175	-1.91e-06	0.08	4.29e-05	-8.31	0.0	3.80	10.07	-0.12	0.01	0.08	-3.17
		-3.17	0.02	-1.21e-04	0.0	53.6	3.80	1.76	-0.12	0.01	0.02	-1.91e-06
189	177	0.32	-0.03	3.20e-05	-8.31	0.0	-2.56	5.17	0.15	-0.02	-0.10	-0.54
		-0.54	-0.10	1.26e-04	0.0	53.6	-2.56	-3.14	0.15	-0.02	-0.03	0.0
189	178	-1.22e-06	0.11	-1.10e-05	-8.31	0.0	3.14	8.11	-0.14	0.02	0.11	-2.12
		-2.12	0.03	-1.23e-04	0.0	53.6	3.14	-0.20	-0.14	0.02	0.03	-1.22e-06
189	192	1.06	0.02	-5.30e-05	-8.31	0.0	-1.47	2.57	-0.02	3.82e-03	0.02	0.85
		0.0	4.46e-03	4.62e-05	0.0	53.6	-1.47	-5.74	-0.02	3.82e-03	4.46e-03	0.0
189	195	-2.21e-06	-3.08e-03	8.48e-05	-8.31	0.0	2.06	10.70	0.03	1.41e-04	-0.02	-3.51
		-3.51	-0.02	-4.40e-05	0.0	53.6	2.06	2.39	0.03	1.41e-04	-3.08e-03	-2.21e-06
189	204	1.05	-0.02	-2.22e-05	-8.31	0.0	-3.73	2.61	0.13	-0.01	-0.10	0.83
		0.0	-0.10	1.57e-04	0.0	53.6	-3.73	-5.70	0.13	-0.01	-0.02	0.0
189	207	-2.07e-06	0.10	4.86e-05	-8.31	0.0	4.32	10.66	-0.13	0.02	0.10	-3.49
		-3.49	0.03	-1.55e-04	0.0	53.6	4.32	2.35	-0.13	0.02	0.03	-2.07e-06
189	209	0.37	-0.03	3.33e-05	-8.31	0.0	-2.98	4.90	0.17	-0.02	-0.12	-0.40
		-0.40	-0.12	1.59e-04	0.0	53.6	-2.98	-3.41	0.17	-0.02	-0.03	0.0
189	210	-1.27e-06	0.12	-1.15e-05	-8.31	0.0	3.57	8.38	-0.16	0.02	0.12	-2.26
		-2.26	0.03	-1.57e-04	0.0	53.6	3.57	0.07	-0.16	0.02	0.03	-1.27e-06
189	224	1.33	0.02	-6.45e-05	-8.31	0.0	-1.73	1.89	-0.03	3.99e-03	0.02	1.22
		0.0	5.00e-03	6.48e-05	0.0	53.6	-1.73	-6.42	-0.03	3.99e-03	5.00e-03	0.0
189	227	-2.42e-06	-3.62e-03	9.63e-05	-8.31	0.0	2.31	11.39	0.03	-2.95e-05	-0.02	-3.88
		-3.88	-0.02	-6.26e-05	0.0	53.6	2.31	3.08	0.03	-2.95e-05	-3.62e-03	-2.42e-06
190	18	-1.46	2.99e-03	2.26e-05	-12.90	0.0	2.01	8.96	1.46e-03	4.80e-03	2.66e-03	-3.13
		-3.13	2.66e-03	0.0	0.0	53.6	2.01	-3.94	1.46e-03	4.80e-03	2.99e-03	-1.79
190	19	-0.53	2.57e-03	-3.92e-06	-4.17	0.0	2.94	1.47e-03	3.01e-03	2.07e-03	2.07e-03	-1.08
		-1.08	2.07e-03	0.0	0.0	53.6	1.30	-1.23	1.47e-03	3.01e-03	2.57e-03	-0.62
190	28	-2.21	7.26e-04	5.52e-05	-15.69	0.0	1.00	11.55	-1.47e-03	4.89e-03	7.26e-04	-4.49
		-4.49	-4.91e-04	2.04e-06	0.0	53.6	1.00	-4.14	-1.47e-03	4.89e-03	-4.91e-04	-2.51
190	45	-1.16	-4.39e-04	3.79e-05	-4.17	0.0	-0.20	3.95	-2.05e-03	2.72e-03	-4.39e-04	-2.17
		-2.17	-1.76e-03	0.0	0.0	53.6	-0.20	-0.22	-2.05e-03	2.72e-03	-1.76e-03	-1.16
190	72	-0.69	1.83e-03	9.32e-06	-4.58	0.0	1.12	3.40	8.52e-04	3.03e-03	1.65e-03	-1.36
		-1.36	1.65e-03	0.0	0.0	53.6	1.12	-1.18	8.52e-04	3.03e-03	1.83e-03	-0.77
190	75	-1.07	2.01e-03	1.72e-05	-8.93	0.0	1.41	6.28	9.08e-04	3.55e-03	1.86e-03	-2.25
		-2.25	1.86e-03	0.0	0.0	53.6	1.41	-2.65	9.08e-04	3.55e-03	2.01e-03	-1.28
190	80	-1.57	5.70e-04	3.90e-05	-10.80	0.0	0.73	8.00	-1.04e-03	3.61e-03	5.70e-04	-3.16
		-3.16	-3.06e-04	1.44e-06	0.0	53.6	0.73	-2.79	-1.04e-03	3.61e-03	-3.06e-04	-1.76
190	85	-1.12	-2.02e-05	3.29e-05	-4.58	0.0	0.12	4.07	-1.49e-03	2.84e-03	-2.02e-05	-2.09
		-2.09	-1.06e-03	0.0	0.0	53.6	0.12	-0.51	-1.49e-03	2.84e-03	-1.06e-03	-1.13
190	98	-1.22	9.30e-04	2.79e-05	-8.93	0.0	0.92	6.51	-5.08e-04	3.42e-03	9.30e-04	-2.49
		-2.49	3.54e-04	1.18e-06	0.0	53.6	0.92	-2.43	-5.08e-04	3.42e-03	3.54e-04	-1.40
190	102	-0.86	9.45e-04	1.87e-05	-4.58	0.0	0.77	3.67	-1.55e-04	2.96e-03	9.45e-04	-1.65
		-1.65	5.98e-04	0.0	0.0	53.6	0.77	-0.92	-1.55e-04	2.96e-03	5.98e-04	-0.91
190	103	-1.13	1.08e-03	2.46e-05	-8.31	0.0	0.97	6.04	-2.42e-04	3.37e-03	1.08e-03	-2.31
		-2.31	6.53e-04	0.0	0.0	53.6	0.97	-2.27	-2.42e-04	3.37e-03	6.53e-04	-1.30
190	104	-0.95	6.11e-04	2.34e-05	-4.58	0.0	0.57	3.80	-6.24e-04	2.93e-03	6.11e-04	-1.80
		-1.80	2.12e-05	0.0	0.0	53.6	0.57	-0.78	-6.24e-04	2.93e-03	2.12e-05	-0.99
190	106	-0.91	7.68e-04	2.10e-05	-4.58	0.0	0.69	3.73	-4.07e-04	2.95e-03	7.68e-04	-1.72
		-1.72	2.91e-04	0.0	0.0	53.6	0.69	-0.85	-4.07e-04	2.95e-03	2.91e-04	-0.95
190	107	-1.18	9.07e-04	2.69e-05	-8.31	0.0	0.89	6.11	-4.94e-04	3.35e-03	9.07e-04	-2.38

		-2.38	3.45e-04	1.13e-06	0.0	53.6	0.89	-2.20	-4.94e-04	3.35e-03	3.45e-04	-1.33
190	113	-0.31	-9.45e-03	1.64e-05	-8.31	0.0	-1.19	5.10	-0.17	-0.02	-9.45e-03	-1.16
		-1.16	-0.10	9.22e-05	0.0	53.6	-1.19	-3.21	-0.17	-0.02	-0.10	-0.64
190	114	-1.98	0.10	3.74e-05	-8.31	0.0	2.96	7.12	0.17	0.03	0.01	-3.60
		-3.60	0.01	-9.00e-05	0.0	53.6	2.96	-1.19	0.17	0.03	0.10	-2.02
190	124	1.79	4.08e-03	-4.53e-05	-8.31	0.0	0.99	2.33	9.00e-03	-0.01	1.62e-03	1.61
		0.64	1.62e-03	1.49e-05	0.0	53.6	0.99	-5.98	9.00e-03	-0.01	4.08e-03	0.64
190	127	-3.30	1.97e-04	9.89e-05	-8.31	0.0	0.78	9.89	-9.99e-03	0.02	1.97e-04	-6.37
		-6.37	-3.39e-03	-1.27e-05	0.0	53.6	0.78	1.58	-9.99e-03	0.02	-3.39e-03	-3.30
190	145	-0.20	-0.01	1.50e-05	-8.31	0.0	-1.44	4.97	-0.19	-0.02	-0.01	-1.00
		-1.00	-0.11	1.05e-04	0.0	53.6	-1.44	-3.34	-0.19	-0.02	-0.11	-0.55
190	146	-2.07	0.11	3.88e-05	-8.31	0.0	3.22	7.25	0.19	0.03	0.01	-3.76
		-3.76	0.01	-1.02e-04	0.0	53.6	3.22	-1.06	0.19	0.03	0.11	-2.11
190	156	2.22	4.43e-03	-5.40e-05	-8.31	0.0	1.00	1.86	0.01	-0.01	1.69e-03	2.11
		0.88	1.69e-03	1.75e-05	0.0	53.6	1.00	-6.45	0.01	-0.01	4.43e-03	0.88
190	159	-3.55	1.22e-04	1.08e-04	-8.31	0.0	0.77	10.36	-0.01	0.02	1.22e-04	-6.87
		-6.87	-3.74e-03	-1.52e-05	0.0	53.6	0.77	2.05	-0.01	0.02	-3.74e-03	-3.55
190	177	-0.19	-0.01	1.42e-05	-8.31	0.0	-1.31	4.97	-0.18	-0.02	-0.01	-0.99
		-0.99	-0.11	1.25e-04	0.0	53.6	-1.31	-3.34	-0.18	-0.02	-0.11	-0.54
190	178	-2.08	0.11	3.96e-05	-8.31	0.0	3.08	7.25	0.18	0.03	0.01	-3.77
		-3.77	0.01	-1.23e-04	0.0	53.6	3.08	-1.06	0.18	0.03	0.11	-2.12
190	200	2.19	0.03	-6.47e-05	-8.31	0.0	1.68	1.69	0.04	0.01	7.10e-03	2.10
		0.78	7.10e-03	5.31e-05	0.0	53.6	1.68	-6.62	0.04	0.01	0.03	0.78
190	203	-3.45	-5.29e-03	1.19e-04	-8.31	0.0	0.09	10.53	-0.04	-4.25e-03	-5.29e-03	-6.86
		-6.86	-0.03	-5.08e-05	0.0	53.6	0.09	2.22	-0.04	-4.25e-03	-0.03	-3.45
190	209	3.23e-03	-0.01	1.15e-05	-8.31	0.0	-1.62	4.76	-0.21	-0.03	-0.01	-0.73
		-0.73	-0.12	1.59e-04	0.0	53.6	-1.62	-3.55	-0.21	-0.03	-0.12	-0.40
190	210	-2.24	0.12	4.23e-05	-8.31	0.0	3.39	7.46	0.21	0.03	0.01	-4.03
		-4.03	0.01	-1.57e-04	0.0	53.6	3.39	-0.85	0.21	0.03	0.12	-2.26
190	232	2.92	0.03	-8.07e-05	-8.31	0.0	1.81	0.91	0.04	0.01	8.13e-03	2.89
		1.16	8.13e-03	6.53e-05	0.0	53.6	1.81	-7.40	0.04	0.01	0.03	1.16
190	235	-3.82	-6.32e-03	1.35e-04	-8.31	0.0	-0.04	11.31	-0.04	-5.49e-03	-6.32e-03	-7.65
		-7.65	-0.03	-6.31e-05	0.0	53.6	-0.04	2.99	-0.04	-5.49e-03	-0.03	-3.82
191	4	-3.22	2.58e-03	6.96e-05	-15.69	0.0	1.49	9.66	0.02	8.18e-03	-8.53e-03	-4.81
		-4.81	-8.53e-03	1.16e-06	0.0	53.6	1.49	-6.03	0.02	8.18e-03	2.58e-03	-3.84
191	18	-2.61	3.00e-03	5.15e-05	-12.90	0.0	1.45	7.87	0.02	7.74e-03	-9.21e-03	-3.90
		-3.90	-9.21e-03	0.0	0.0	53.6	1.45	-5.02	0.02	7.74e-03	3.00e-03	-3.13
191	19	-0.91	2.30e-03	1.24e-05	-4.17	0.0	0.81	2.54	0.02	4.91e-03	-6.73e-03	-1.33
		-1.33	-6.73e-03	0.0	0.0	53.6	0.81	-1.63	0.02	4.91e-03	2.30e-03	-1.08
191	28	-3.97	1.03e-03	9.71e-05	-15.69	0.0	1.10	10.16	0.01	8.02e-03	-5.68e-03	-5.73
		-5.73	-5.68e-03	1.94e-06	0.0	53.6	1.10	-5.53	0.01	8.02e-03	1.03e-03	-4.49
191	45	-2.13	-2.84e-04	5.83e-05	-4.17	0.0	0.15	3.38	4.00e-03	4.66e-03	-1.97e-03	-2.86
		-2.86	-1.97e-03	0.0	0.0	53.6	0.15	-0.79	4.00e-03	4.66e-03	-2.84e-04	-2.17
191	68	-2.31	1.83e-03	5.01e-05	-10.80	0.0	1.06	6.70	0.02	6.04e-03	-6.19e-03	-3.42
		-3.42	-6.19e-03	0.0	0.0	53.6	1.06	-4.10	0.02	6.04e-03	1.83e-03	-2.72
191	72	-1.20	1.87e-03	2.19e-05	-4.58	0.0	0.77	2.93	0.02	4.96e-03	-5.95e-03	-1.71
		-1.71	-5.95e-03	0.0	0.0	53.6	0.77	-1.65	0.02	4.96e-03	1.87e-03	-1.36
191	75	-1.90	2.11e-03	3.80e-05	-8.93	0.0	1.03	5.51	0.02	5.75e-03	-6.64e-03	-2.81
		-2.81	-6.64e-03	0.0	0.0	53.6	1.03	-3.42	0.02	5.75e-03	2.11e-03	-2.25
191	80	-2.81	7.98e-04	6.84e-05	-10.80	0.0	0.79	7.03	0.01	5.94e-03	-4.29e-03	-4.04
		-4.04	-4.29e-03	1.36e-06	0.0	53.6	0.79	-3.76	0.01	5.94e-03	7.98e-04	-3.16
191	85	-2.02	1.51e-04	5.25e-05	-4.58	0.0	0.32	3.49	6.39e-03	4.80e-03	-2.78e-03	-2.73
		-2.73	-2.78e-03	0.0	0.0	53.6	0.32	-1.09	6.39e-03	4.80e-03	1.51e-04	-2.09
191	98	-2.18	1.15e-03	5.11e-05	-8.93	0.0	0.83	5.73	0.01	5.64e-03	-4.78e-03	-3.17
		-3.17	-4.78e-03	1.07e-06	0.0	53.6	0.83	-3.21	0.01	5.64e-03	1.15e-03	-2.49
191	102	-1.53	1.14e-03	3.41e-05	-4.58	0.0	0.65	3.15	0.01	4.91e-03	-4.57e-03	-2.11
		-2.11	-4.57e-03	0.0	0.0	53.6	0.65	-1.43	0.01	4.91e-03	1.14e-03	-1.65
191	103	-2.02	1.31e-03	4.61e-05	-8.31	0.0	0.83	5.31	0.01	5.55e-03	-5.05e-03	-2.93
		-2.93	-5.05e-03	0.0	0.0	53.6	0.83	-3.00	0.01	5.55e-03	1.31e-03	-2.31
191	104	-1.69	8.00e-04	4.02e-05	-4.58	0.0	0.56	3.27	9.86e-03	4.87e-03	-3.94e-03	-2.32
		-2.32	-3.94e-03	0.0	0.0	53.6	0.56	-1.32	9.86e-03	4.87e-03	8.00e-04	-1.80
191	106	-1.61	9.62e-04	3.71e-05	-4.58	0.0	0.62	3.21	0.01	4.89e-03	-4.22e-03	-2.22
		-2.22	-4.22e-03	0.0	0.0	53.6	0.62	-1.37	0.01	4.89e-03	9.62e-04	-1.72
191	107	-2.10	1.13e-03	4.91e-05	-8.31	0.0	0.80	5.37	0.01	5.53e-03	-4.70e-03	-3.03
		-3.03	-4.70e-03	1.02e-06	0.0	53.6	0.80	-2.94	0.01	5.53e-03	1.13e-03	-2.38
191	113	-0.75	0.02	2.02e-05	-8.31	0.0	-0.40	4.70	-0.07	-0.02	0.02	-1.47
		-1.47	-0.02	8.22e-05	0.0	53.6	-0.40	-3.61	-0.07	-0.02	-0.02	-1.16
191	114	-3.43	0.02	7.80e-05	-8.31	0.0	2.00	6.03	0.09	0.03	-0.03	-4.59
		-4.59	-0.03	-8.02e-05	0.0	53.6	2.00	-2.28	0.09	0.03	0.02	-3.60
191	132	3.01	6.89e-03	-7.20e-05	-8.31	0.0	1.10	1.70	0.04	0.01	-0.01	2.91
		1.60	-0.01	3.73e-05	0.0	53.6	1.10	-6.61	0.04	0.01	6.89e-03	1.60
191	139	-6.36	7.47e-03	1.71e-04	-8.31	0.0	0.44	9.04	-0.02	-1.52e-03	7.47e-03	-8.97
		-8.97	-6.13e-03	-3.85e-05	0.0	53.6	0.44	0.73	-0.02	-1.52e-03	-6.13e-03	-6.36
191	145	-0.57	0.03	1.65e-05	-8.31	0.0	-0.55	4.62	-0.08	-0.02	0.03	-1.28
		-1.28	-0.02	9.33e-05	0.0	53.6	-0.55	-3.69	-0.08	-0.02	-0.02	-1.00

191	146	-3.60	0.02	8.17e-05	-8.31	0.0	2.15	6.11	0.10	0.03	-0.04	-4.78
		-4.78	-0.04	-9.13e-05	0.0	53.6	2.15	-2.20	0.10	0.03	0.02	-3.76
191	168	3.71	9.31e-03	-8.79e-05	-8.31	0.0	1.21	1.22	0.05	0.01	-0.02	3.66
		2.10	-0.02	4.63e-05	0.0	53.6	1.21	-7.09	0.05	0.01	9.31e-03	2.10
191	171	-6.86	9.03e-03	1.86e-04	-8.31	0.0	0.39	9.51	-0.03	-2.43e-03	9.03e-03	-9.72
		-9.72	-7.06e-03	-4.43e-05	0.0	53.6	0.39	1.20	-0.03	-2.43e-03	-7.06e-03	-6.86
191	177	-0.56	0.02	1.63e-05	-8.31	0.0	-0.47	4.63	-0.08	-0.02	0.02	-1.27
		-1.27	-0.02	1.15e-04	0.0	53.6	-0.47	-3.68	-0.08	-0.02	-0.02	-0.99
191	178	-3.61	0.02	8.19e-05	-8.31	0.0	2.08	6.10	0.10	0.03	-0.03	-4.79
		-4.79	-0.03	-1.13e-04	0.0	53.6	2.08	-2.21	0.10	0.03	0.02	-3.77
191	200	3.71	9.42e-03	-8.79e-05	-8.31	0.0	1.22	1.24	0.05	0.01	-0.02	3.66
		2.10	-0.02	5.22e-05	0.0	53.6	1.22	-7.07	0.05	0.01	9.42e-03	2.10
191	203	-6.86	9.26e-03	1.86e-04	-8.31	0.0	0.38	9.49	-0.03	-2.47e-03	9.26e-03	-9.72
		-9.72	-7.17e-03	-5.02e-05	0.0	53.6	0.38	1.18	-0.03	-2.47e-03	-7.17e-03	-6.86
191	209	-0.28	0.03	1.02e-05	-8.31	0.0	-0.65	4.50	-0.09	-0.03	0.03	-0.94
		-0.94	-0.02	1.47e-04	0.0	53.6	-0.65	-3.81	-0.09	-0.03	-0.02	-0.73
191	210	-3.88	0.02	8.80e-05	-8.31	0.0	2.26	6.23	0.11	0.04	-0.04	-5.12
		-5.12	-0.04	-1.45e-04	0.0	53.6	2.26	-2.08	0.11	0.04	0.02	-4.03
191	232	4.84	0.01	-1.12e-04	-8.31	0.0	1.29	0.53	0.06	0.01	-0.02	4.83
		2.89	-0.02	6.47e-05	0.0	53.6	1.29	-7.78	0.06	0.01	0.01	2.89
191	235	-7.65	0.01	2.10e-04	-8.31	0.0	0.31	10.20	-0.04	-3.79e-03	0.01	-10.89
		-10.89	-8.58e-03	-6.26e-05	0.0	53.6	0.31	1.89	-0.04	-3.79e-03	-8.58e-03	-7.65
192	4	-3.81	0.02	1.17e-04	-15.69	0.0	3.56	8.02	-0.05	0.01	0.02	-4.91
		-4.91	-8.19e-03	2.16e-06	0.0	53.6	3.56	-7.67	-0.05	0.01	-8.19e-03	-4.81
192	18	-3.05	0.02	8.95e-05	-12.90	0.0	3.36	6.52	-0.05	0.01	0.02	-3.94
		-3.94	-8.90e-03	1.56e-06	0.0	53.6	3.36	-6.37	-0.05	0.01	-8.90e-03	-3.90
192	19	-1.04	0.01	2.51e-05	-4.17	0.0	1.77	2.06	-0.04	7.73e-03	0.01	-1.31
		-1.33	-6.55e-03	0.0	0.0	53.6	1.77	-2.11	-0.04	7.73e-03	-6.55e-03	-1.33
192	28	-4.80	0.01	1.54e-04	-15.69	0.0	2.92	8.27	-0.03	0.01	0.01	-5.96
		-5.96	-5.31e-03	2.59e-06	0.0	53.6	2.92	-7.42	-0.03	0.01	-5.31e-03	-5.73
192	45	-2.68	3.60e-03	8.75e-05	-4.17	0.0	0.70	2.49	-8.95e-03	7.54e-03	3.60e-03	-3.08
		-3.08	-1.74e-03	1.01e-06	0.0	53.6	0.70	-1.68	-8.95e-03	7.54e-03	-1.74e-03	-2.86
192	68	-2.73	0.01	8.37e-05	-10.80	0.0	2.52	5.54	-0.04	9.53e-03	0.01	-3.50
		-3.50	-5.94e-03	1.57e-06	0.0	53.6	2.52	-5.26	-0.04	9.53e-03	-5.94e-03	-3.42
192	72	-1.41	0.01	3.86e-05	-4.58	0.0	1.73	2.34	-0.03	7.84e-03	0.01	-1.73
		-1.73	-5.75e-03	0.0	0.0	53.6	1.73	-2.24	-0.03	7.84e-03	-5.75e-03	-1.71
192	75	-2.23	0.01	6.54e-05	-8.93	0.0	2.39	4.54	-0.04	9.05e-03	0.01	-2.85
		-2.85	-6.42e-03	1.16e-06	0.0	53.6	2.39	-4.39	-0.04	9.05e-03	-6.42e-03	-2.81
192	80	-3.39	8.87e-03	1.09e-04	-10.80	0.0	2.09	5.71	-0.02	9.45e-03	8.87e-03	-4.20
		-4.20	-4.02e-03	1.85e-06	0.0	53.6	2.09	-5.09	-0.02	9.45e-03	-4.02e-03	-4.04
192	85	-2.51	5.51e-03	8.02e-05	-4.58	0.0	1.01	2.63	-0.01	7.72e-03	5.51e-03	-2.91
		-2.91	-2.55e-03	1.11e-06	0.0	53.6	1.01	-1.95	-0.01	7.72e-03	-2.55e-03	-2.73
192	98	-2.62	0.01	8.26e-05	-8.93	0.0	2.03	4.68	-0.03	8.95e-03	0.01	-3.28
		-3.28	-4.53e-03	1.62e-06	0.0	53.6	2.03	-4.25	-0.03	8.95e-03	-4.53e-03	-3.17
192	102	-1.85	9.79e-03	5.51e-05	-4.58	0.0	1.53	2.46	-0.03	7.80e-03	9.79e-03	-2.20
		-2.20	-4.36e-03	1.11e-06	0.0	53.6	1.53	-2.12	-0.03	7.80e-03	-4.36e-03	-2.11
192	103	-2.42	0.01	7.51e-05	-8.31	0.0	2.00	4.34	-0.03	8.80e-03	0.01	-3.03
		-3.03	-4.81e-03	1.45e-06	0.0	53.6	2.00	-3.97	-0.03	8.80e-03	-4.81e-03	-2.93
192	104	-2.07	8.28e-03	6.34e-05	-4.58	0.0	1.39	2.52	-0.02	7.78e-03	8.28e-03	-2.44
		-2.44	-3.72e-03	1.20e-06	0.0	53.6	1.39	-2.07	-0.02	7.78e-03	-3.72e-03	-2.32
192	106	-1.96	8.97e-03	5.93e-05	-4.58	0.0	1.48	2.49	-0.02	7.79e-03	8.97e-03	-2.32
		-2.32	-4.01e-03	1.22e-06	0.0	53.6	1.48	-2.09	-0.02	7.79e-03	-4.01e-03	-2.22
192	107	-2.53	9.98e-03	7.92e-05	-8.31	0.0	1.95	4.37	-0.03	8.79e-03	9.98e-03	-3.14
		-3.14	-4.46e-03	1.56e-06	0.0	53.6	1.95	-3.94	-0.03	8.79e-03	-4.46e-03	-3.03
192	113	-0.97	0.02	2.95e-05	-8.31	0.0	-0.87	5.75	0.14	-0.02	-0.05	-1.57
		-1.57	-0.05	6.83e-05	0.0	53.6	-0.87	-2.56	0.14	-0.02	0.02	-1.47
192	114	-4.09	0.07	1.29e-04	-8.31	0.0	4.76	2.99	-0.19	0.04	0.07	-4.71
		-4.71	-0.03	-6.52e-05	0.0	53.6	4.76	-5.32	-0.19	0.04	-0.03	-4.59
192	136	4.14	0.04	-1.09e-04	-8.31	0.0	2.88	2.58	-0.10	0.02	0.04	3.99
		2.91	-0.02	4.17e-05	0.0	53.6	2.88	-5.73	-0.10	0.02	-0.02	2.91
192	139	-8.88	7.23e-03	2.68e-04	-8.31	0.0	1.02	6.16	0.05	1.29e-03	-0.02	-10.28
		-10.28	-0.02	-3.86e-05	0.0	53.6	1.02	-2.16	0.05	1.29e-03	7.23e-03	-8.97
192	145	-0.77	0.02	2.32e-05	-8.31	0.0	-1.22	5.92	0.16	-0.02	-0.06	-1.37
		-1.37	-0.06	7.75e-05	0.0	53.6	-1.22	-2.39	0.16	-0.02	0.02	-1.28
192	146	-4.29	0.08	1.35e-04	-8.31	0.0	5.11	2.81	-0.21	0.04	0.08	-4.91
		-4.91	-0.03	-7.44e-05	0.0	53.6	5.11	-5.50	-0.21	0.04	-0.03	-4.78
192	168	5.01	0.04	-1.33e-04	-8.31	0.0	3.00	2.35	-0.11	0.02	0.04	4.89
		3.66	-0.02	4.75e-05	0.0	53.6	3.00	-5.96	-0.11	0.02	-0.02	3.66
192	171	-9.66	8.72e-03	2.91e-04	-8.31	0.0	0.90	6.38	0.06	3.20e-04	-0.02	-11.18
		-11.18	-0.02	-4.44e-05	0.0	53.6	0.90	-1.93	0.06	3.20e-04	8.72e-03	-9.72
192	177	-0.76	0.02	2.29e-05	-8.31	0.0	-1.04	5.87	0.15	-0.02	-0.06	-1.37
		-1.37	-0.06	9.95e-05	0.0	53.6	-1.04	-2.44	0.15	-0.02	0.02	-1.27
192	178	-4.30	0.08	1.36e-04	-8.31	0.0	4.94	2.86	-0.20	0.04	0.08	-4.91
		-4.91	-0.03	-9.63e-05	0.0	53.6	4.94	-5.45	-0.20	0.04	-0.03	-4.79
192	200	4.99	0.04	-1.33e-04	-8.31	0.0	3.02	2.37	-0.11	0.02	0.04	4.87

		3.66	-0.02	5.38e-05	0.0	53.6	3.02	-5.94	-0.11	0.02	-0.02	3.66
192	203	-9.65	8.91e-03	2.91e-04	-8.31	0.0	0.88	6.36	0.06	2.22e-04	-0.02	-11.16
		-11.16	-0.02	-5.07e-05	0.0	53.6	0.88	-1.95	0.06	2.22e-04	8.91e-03	-9.72
192	209	-0.44	0.03	1.27e-05	-8.31	0.0	-1.47	6.10	0.17	-0.02	-0.07	-1.05
		-1.05	-0.07	1.30e-04	0.0	53.6	-1.47	-2.21	0.17	-0.02	0.03	-0.94
192	210	-4.62	0.09	1.46e-04	-8.31	0.0	5.36	2.63	-0.22	0.04	0.09	-5.23
		-5.23	-0.04	-1.26e-04	0.0	53.6	5.36	-5.68	-0.22	0.04	-0.04	-5.12
192	232	6.34	0.05	-1.70e-04	-8.31	0.0	3.20	2.05	-0.13	0.02	0.05	6.27
		4.83	-0.02	6.67e-05	0.0	53.6	3.20	-6.26	-0.13	0.02	-0.02	4.83
192	235	-10.85	0.01	3.28e-04	-8.31	0.0	0.69	6.69	0.07	-1.22e-03	-0.03	-12.56
		-12.56	-0.03	-6.36e-05	0.0	53.6	0.69	-1.63	0.07	-1.22e-03	0.01	-10.89
193	4	-6.78	5.33e-03	-2.60e-04	-28.88	0.0	-0.81	19.33	0.02	0.01	-1.17e-03	-9.99
		-9.99	-1.17e-03	0.0	0.0	49.6	-0.81	-9.55	0.02	0.01	5.33e-03	-7.57
193	18	-6.55	6.70e-03	-2.49e-04	-23.68	0.0	-0.82	16.10	0.02	0.02	-5.97e-04	-9.26
		-9.26	-5.97e-04	0.0	0.0	49.6	-0.82	-7.59	0.02	0.02	6.70e-03	-7.15
193	41	-3.21	-4.36e-03	-1.11e-04	-11.56	0.0	-0.82	8.24	2.79e-03	-0.01	-6.59e-03	-4.66
		-4.66	-6.59e-03	0.0	0.0	49.6	-0.82	-3.32	2.79e-03	-0.01	-4.36e-03	-3.44
193	43	-4.54	-4.25e-03	-1.70e-04	-23.68	0.0	-0.96	15.82	2.65e-03	-0.01	-6.39e-03	-7.16
		-7.16	-6.39e-03	1.40e-06	0.0	49.6	-0.96	-7.86	2.65e-03	-0.01	-4.25e-03	-5.18
193	45	-2.03	-5.07e-03	-6.81e-05	-7.53	0.0	-0.68	5.42	-2.77e-05	-0.02	-6.05e-03	-3.00
		-3.00	-6.05e-03	0.0	0.0	49.6	-0.68	-2.11	-2.77e-05	-0.02	-5.07e-03	-2.18
193	60	-3.50	2.44e-03	-1.18e-04	-7.53	0.0	-0.34	5.88	9.80e-03	4.33e-03	-1.90e-03	-4.64
		-4.64	-1.90e-03	0.0	0.0	49.6	-0.34	-1.65	9.80e-03	4.33e-03	2.44e-03	-3.58
193	68	-4.84	3.84e-03	-1.84e-04	-19.85	0.0	-0.59	13.33	0.01	8.37e-03	-1.04e-03	-7.06
		-7.06	-1.04e-03	0.0	0.0	49.6	-0.59	-6.51	0.01	8.37e-03	3.84e-03	-5.37
193	75	-4.68	4.75e-03	-1.77e-04	-16.38	0.0	-0.60	11.18	0.01	0.01	-6.60e-04	-6.58
		-6.58	-6.60e-04	0.0	0.0	49.6	-0.60	-5.20	0.01	0.01	4.75e-03	-5.09
193	85	-2.46	-2.62e-03	-8.52e-05	-8.30	0.0	-0.60	5.94	3.09e-03	-9.03e-03	-4.65e-03	-3.51
		-3.51	-4.65e-03	0.0	0.0	49.6	-0.60	-2.36	3.09e-03	-9.03e-03	-2.62e-03	-2.62
193	87	-3.34	-2.55e-03	-1.24e-04	-16.38	0.0	-0.69	11.00	3.00e-03	-8.78e-03	-4.52e-03	-5.17
		-5.17	-4.52e-03	0.0	0.0	49.6	-0.69	-5.39	3.00e-03	-8.78e-03	-2.55e-03	-3.78
193	93	-3.43	2.38e-03	-1.19e-04	-8.30	0.0	-0.37	6.25	9.65e-03	4.24e-03	-1.89e-03	-4.60
		-4.60	-1.89e-03	0.0	0.0	49.6	-0.37	-2.05	9.65e-03	4.24e-03	2.38e-03	-3.56
193	98	-3.93	2.32e-03	-1.48e-04	-16.38	0.0	-0.50	11.00	9.22e-03	4.21e-03	-1.76e-03	-5.76
		-5.76	-1.76e-03	0.0	0.0	49.6	-0.50	-5.38	9.22e-03	4.21e-03	2.32e-03	-4.36
193	99	-3.12	2.27e-03	-1.11e-04	-8.30	0.0	-0.40	6.01	9.38e-03	4.02e-03	-1.89e-03	-4.19
		-4.19	-1.89e-03	0.0	0.0	49.6	-0.40	-2.29	9.38e-03	4.02e-03	2.27e-03	-3.27
193	103	-3.91	2.78e-03	-1.47e-04	-15.23	0.0	-0.51	10.28	9.94e-03	5.48e-03	-1.56e-03	-5.63
		-5.63	-1.56e-03	0.0	0.0	49.6	-0.51	-4.95	9.94e-03	5.48e-03	2.78e-03	-4.31
193	104	-2.92	1.27e-03	-1.04e-04	-8.30	0.0	-0.45	5.95	8.07e-03	1.37e-03	-2.44e-03	-3.98
		-3.98	-2.44e-03	0.0	0.0	49.6	-0.45	-2.35	8.07e-03	1.37e-03	1.27e-03	-3.09
193	105	-3.68	1.34e-03	-1.38e-04	-15.23	0.0	-0.53	10.28	7.99e-03	1.58e-03	-2.33e-03	-5.40
		-5.40	-2.33e-03	0.0	0.0	49.6	-0.53	-4.95	7.99e-03	1.58e-03	1.34e-03	-4.08
193	106	-3.04	2.24e-03	-1.09e-04	-8.30	0.0	-0.41	5.95	9.31e-03	3.97e-03	-1.89e-03	-4.09
		-4.09	-1.89e-03	0.0	0.0	49.6	-0.41	-2.35	9.31e-03	3.97e-03	2.24e-03	-3.20
193	107	-3.80	2.31e-03	-1.42e-04	-15.23	0.0	-0.49	10.28	9.23e-03	4.18e-03	-1.78e-03	-5.52
		-5.52	-1.78e-03	0.0	0.0	49.6	-0.49	-4.95	9.23e-03	4.18e-03	2.31e-03	-4.20
193	116	-6.49	-5.26e-03	-2.44e-04	-15.23	0.0	-0.71	10.59	0.05	0.02	-0.03	-8.30
		-8.30	-0.03	2.05e-04	0.0	49.6	-0.71	-4.64	0.05	0.02	-5.26e-03	-6.85
193	119	-1.11	0.02	-4.41e-05	-15.23	0.0	-0.27	9.97	-0.03	-0.01	0.02	-2.73
		-2.73	9.87e-03	-2.03e-04	0.0	49.6	-0.27	-5.26	-0.03	-0.01	9.87e-03	-1.55
193	132	-9.47	3.55e-03	-3.69e-04	-15.23	0.0	-0.93	10.64	0.04	0.02	-0.02	-11.27
		-11.27	-0.02	1.19e-04	0.0	49.6	-0.93	-4.59	0.04	0.02	3.55e-03	-9.83
193	135	1.87	0.01	8.44e-05	-15.23	0.0	-0.04	9.91	-0.02	-0.02	0.01	0.24
		0.24	1.07e-03	-1.17e-04	0.0	49.6	-0.04	-5.31	-0.02	-0.02	1.07e-03	1.44
193	136	-10.11	3.17e-03	-3.69e-04	-15.23	0.0	-0.93	10.64	0.04	0.02	-0.02	-11.94
		-11.94	-0.02	1.27e-04	0.0	49.6	-0.93	-4.59	0.04	0.02	3.17e-03	-10.45
193	139	2.51	0.01	8.49e-05	-15.23	0.0	-0.04	9.92	-0.02	-0.02	0.01	0.91
		0.91	1.45e-03	-1.26e-04	0.0	49.6	-0.04	-5.31	-0.02	-0.02	1.45e-03	2.06
193	148	-6.83	-6.23e-03	-2.57e-04	-15.23	0.0	-0.74	10.63	0.06	0.03	-0.03	-8.65
		-8.65	-0.03	2.32e-04	0.0	49.6	-0.74	-4.60	0.06	0.03	-6.23e-03	-7.18
193	151	-0.77	0.03	-3.51e-05	-15.23	0.0	-0.24	9.93	-0.04	-0.02	0.03	-2.39
		-2.39	0.01	-2.30e-04	0.0	49.6	-0.24	-5.30	-0.04	-0.02	0.01	-1.22
193	164	-10.18	3.70e-03	-3.97e-04	-15.23	0.0	-0.99	10.69	0.04	0.03	-0.02	-11.99
		-11.99	-0.02	1.35e-04	0.0	49.6	-0.99	-4.54	0.04	0.03	3.70e-03	-10.54
193	167	2.58	0.01	1.13e-04	-15.23	0.0	0.01	9.87	-0.02	-0.02	0.01	0.96
		0.96	9.12e-04	-1.33e-04	0.0	49.6	0.01	-5.36	-0.02	-0.02	9.12e-04	2.14
193	168	-10.89	3.27e-03	-3.98e-04	-15.23	0.0	-0.99	10.68	0.04	0.03	-0.02	-12.74
		-12.74	-0.02	1.44e-04	0.0	49.6	-0.99	-4.54	0.04	0.03	3.27e-03	-11.23
193	171	3.30	0.02	1.13e-04	-15.23	0.0	0.01	9.87	-0.02	-0.02	0.02	1.71
		1.71	1.35e-03	-1.43e-04	0.0	49.6	0.01	-5.36	-0.02	-0.02	1.35e-03	2.84
193	180	-6.76	-6.32e-03	-2.55e-04	-15.23	0.0	-0.73	10.63	0.06	0.03	-0.03	-8.59
		-8.59	-0.03	2.42e-04	0.0	49.6	-0.73	-4.59	0.06	0.03	-6.32e-03	-7.11
193	183	-0.84	0.03	-3.63e-05	-15.23	0.0	-0.24	9.92	-0.04	-0.02	0.03	-2.45
		-2.45	0.01	-2.40e-04	0.0	49.6	-0.24	-5.31	-0.04	-0.02	0.01	-1.29

193	196	-10.11	3.69e-03	-3.94e-04	-15.23	0.0	-0.98	10.69	0.04	0.03	-0.02	-11.92
		-11.92	-0.02	1.39e-04	0.0	49.6	-0.98	-4.54	0.04	0.03	3.69e-03	-10.46
193	199	2.51	0.01	1.09e-04	-15.23	0.0	8.13e-03	9.87	-0.02	-0.02	0.01	0.88
		0.88	9.23e-04	-1.37e-04	0.0	49.6	8.13e-03	-5.36	-0.02	-0.02	9.23e-04	2.07
193	200	-10.79	3.20e-03	-3.95e-04	-15.23	0.0	-0.98	10.69	0.04	0.03	-0.02	-12.64
		-12.64	-0.02	1.51e-04	0.0	49.6	-0.98	-4.54	0.04	0.03	3.20e-03	-11.13
193	203	3.20	0.02	1.10e-04	-15.23	0.0	6.01e-03	9.87	-0.02	-0.02	0.02	1.61
		1.61	1.42e-03	-1.49e-04	0.0	49.6	6.01e-03	-5.36	-0.02	-0.02	1.42e-03	2.74
193	212	-7.26	-8.02e-03	-2.74e-04	-15.23	0.0	-0.78	10.70	0.07	0.03	-0.04	-9.11
		-9.11	-0.04	2.93e-04	0.0	49.6	-0.78	-4.53	0.07	0.03	-8.02e-03	-7.60
193	215	-0.34	0.04	-2.44e-05	-15.23	0.0	-0.20	9.85	-0.05	-0.02	0.04	-1.93
		-1.93	0.01	-2.91e-04	0.0	49.6	-0.20	-5.38	-0.05	-0.02	0.01	-0.80
193	228	-11.14	3.92e-03	-4.35e-04	-15.23	0.0	-1.06	10.76	0.05	0.03	-0.02	-12.97
		-12.97	-0.02	1.66e-04	0.0	49.6	-1.06	-4.47	0.05	0.03	3.92e-03	-11.49
193	231	3.55	0.02	1.50e-04	-15.23	0.0	0.09	9.80	-0.03	-0.02	0.02	1.93
		1.93	6.94e-04	-1.64e-04	0.0	49.6	0.09	-5.43	-0.03	-0.02	6.94e-04	3.10
193	232	-11.94	3.28e-03	-4.36e-04	-15.23	0.0	-1.06	10.76	0.05	0.03	-0.02	-13.82
		-13.82	-0.02	1.83e-04	0.0	49.6	-1.06	-4.47	0.05	0.03	3.28e-03	-12.27
193	235	4.35	0.02	1.52e-04	-15.23	0.0	0.09	9.80	-0.03	-0.02	0.02	2.78
		2.78	1.34e-03	-1.81e-04	0.0	49.6	0.09	-5.43	-0.03	-0.02	1.34e-03	3.88
194	4	-7.30	8.02e-03	-2.47e-04	-28.88	0.0	-0.72	19.70	0.02	0.02	-1.81e-03	-10.63
		-10.63	-1.81e-03	1.09e-06	0.0	49.6	-0.72	-9.19	0.02	0.02	8.02e-03	-8.03
194	18	-6.96	9.30e-03	-2.38e-04	-23.68	0.0	-0.72	16.39	0.02	0.02	-4.97e-04	-9.77
		-9.77	-4.97e-04	0.0	0.0	49.6	-0.72	-7.29	0.02	0.02	9.30e-03	-7.52
194	43	-5.02	-2.82e-03	-1.59e-04	-23.68	0.0	-0.91	16.17	0.01	-8.60e-03	-8.92e-03	-7.75
		-7.75	-8.92e-03	0.0	0.0	49.6	-0.91	-7.52	0.01	-8.60e-03	-2.82e-03	-5.61
194	44	-5.36	-2.59e-03	-1.65e-04	-23.68	0.0	-0.84	16.42	0.01	-8.31e-03	-9.01e-03	-8.18
		-8.18	-9.01e-03	0.0	0.0	49.6	-0.84	-7.27	0.01	-8.31e-03	-2.59e-03	-5.91
194	45	-2.22	-4.72e-03	-6.24e-05	-7.53	0.0	-0.63	5.57	5.05e-03	-0.01	-7.90e-03	-3.24
		-3.24	-7.90e-03	0.0	0.0	49.6	-0.63	-1.96	5.05e-03	-0.01	-4.72e-03	-2.35
194	60	-3.70	3.57e-03	-1.12e-04	-7.53	0.0	-0.20	6.04	0.01	6.97e-03	-2.59e-03	-4.90
		-4.90	-2.59e-03	0.0	0.0	49.6	-0.20	-1.49	0.01	6.97e-03	3.57e-03	-3.77
194	68	-5.20	5.72e-03	-1.75e-04	-19.85	0.0	-0.52	13.59	0.02	0.01	-1.51e-03	-7.50
		-7.50	-1.51e-03	0.0	0.0	49.6	-0.52	-6.26	0.02	0.01	5.72e-03	-5.69
194	75	-4.97	6.58e-03	-1.69e-04	-16.38	0.0	-0.52	11.38	0.02	0.01	-6.38e-04	-6.93
		-6.93	-6.38e-04	0.0	0.0	49.6	-0.52	-5.00	0.02	0.01	6.58e-03	-5.34
194	85	-2.64	-2.03e-03	-7.95e-05	-8.30	0.0	-0.54	6.09	7.82e-03	-6.19e-03	-6.10e-03	-3.75
		-3.75	-6.10e-03	0.0	0.0	49.6	-0.54	-2.21	7.82e-03	-6.19e-03	-2.03e-03	-2.79
194	87	-3.67	-1.50e-03	-1.16e-04	-16.38	0.0	-0.65	11.23	9.43e-03	-4.97e-03	-6.26e-03	-5.58
		-5.58	-6.26e-03	0.0	0.0	49.6	-0.65	-5.15	9.43e-03	-4.97e-03	-1.50e-03	-4.07
194	88	-3.90	-1.35e-03	-1.21e-04	-16.38	0.0	-0.60	11.40	9.90e-03	-4.77e-03	-6.32e-03	-5.87
		-5.87	-6.32e-03	0.0	0.0	49.6	-0.60	-4.98	9.90e-03	-4.77e-03	-1.35e-03	-4.27
194	93	-3.63	3.50e-03	-1.12e-04	-8.30	0.0	-0.26	6.40	0.01	6.93e-03	-2.56e-03	-4.85
		-4.85	-2.56e-03	0.0	0.0	49.6	-0.26	-1.90	0.01	6.93e-03	3.50e-03	-3.74
194	98	-4.21	3.72e-03	-1.40e-04	-16.38	0.0	-0.45	11.21	0.01	7.76e-03	-2.59e-03	-6.12
		-6.12	-2.59e-03	0.0	0.0	49.6	-0.45	-5.17	0.01	7.76e-03	3.72e-03	-4.62
194	99	-3.27	3.26e-03	-1.05e-04	-8.30	0.0	-0.33	6.13	0.01	6.62e-03	-2.46e-03	-4.40
		-4.40	-2.46e-03	0.0	0.0	49.6	-0.33	-2.17	0.01	6.62e-03	3.26e-03	-3.41
194	103	-4.17	4.19e-03	-1.40e-04	-15.23	0.0	-0.46	10.48	0.01	8.84e-03	-2.17e-03	-5.96
		-5.96	-2.17e-03	0.0	0.0	49.6	-0.46	-4.75	0.01	8.84e-03	4.19e-03	-4.54
194	104	-3.08	2.15e-03	-9.87e-05	-8.30	0.0	-0.39	6.07	0.01	4.00e-03	-3.17e-03	-4.18
		-4.18	-3.17e-03	0.0	0.0	49.6	-0.39	-2.23	0.01	4.00e-03	2.15e-03	-3.22
194	105	-3.96	2.60e-03	-1.30e-04	-15.23	0.0	-0.48	10.48	0.01	5.04e-03	-3.30e-03	-5.75
		-5.75	-3.30e-03	0.0	0.0	49.6	-0.48	-4.75	0.01	5.04e-03	2.60e-03	-4.33
194	106	-3.18	3.20e-03	-1.04e-04	-8.30	0.0	-0.35	6.07	0.01	6.54e-03	-2.44e-03	-4.28
		-4.28	-2.44e-03	0.0	0.0	49.6	-0.35	-2.23	0.01	6.54e-03	3.20e-03	-3.33
194	107	-4.07	3.65e-03	-1.35e-04	-15.23	0.0	-0.44	10.48	0.01	7.59e-03	-2.57e-03	-5.85
		-5.85	-2.57e-03	0.0	0.0	49.6	-0.44	-4.75	0.01	7.59e-03	3.65e-03	-4.43
194	121	-1.90	-1.93e-03	-3.78e-05	-15.23	0.0	-0.37	10.59	0.05	0.03	-0.03	-5.30
		-5.30	-0.03	2.03e-04	0.0	49.6	-0.37	-4.64	0.05	0.03	-1.93e-03	-1.91
194	122	-5.72	0.02	-2.37e-04	-15.23	0.0	-0.50	10.37	-0.02	-0.01	0.02	-6.41
		-6.41	9.22e-03	-2.02e-04	0.0	49.6	-0.50	-4.86	-0.02	-0.01	9.22e-03	-6.96
194	124	-10.12	3.94e-03	-3.66e-04	-15.23	0.0	-0.80	10.63	0.01	6.36e-03	-1.58e-03	-11.93
		-11.93	-1.58e-03	0.0	0.0	49.6	-0.80	-4.60	0.01	6.36e-03	3.94e-03	-10.47
194	127	1.98	3.35e-03	9.61e-05	-15.23	0.0	-0.07	10.33	0.02	8.82e-03	-3.56e-03	0.22
		0.22	-3.56e-03	0.0	0.0	49.6	-0.07	-4.90	0.02	8.82e-03	3.35e-03	1.60
194	128	-9.68	3.77e-03	-3.41e-04	-15.23	0.0	-0.79	10.62	0.01	6.26e-03	-2.22e-03	-11.94
		-11.94	-2.22e-03	8.88e-06	0.0	49.6	-0.79	-4.61	0.01	6.26e-03	3.77e-03	-9.88
194	153	-1.60	-2.63e-03	-2.90e-05	-15.23	0.0	-0.37	10.60	0.05	0.03	-0.03	-5.23
		-5.23	-0.03	2.30e-04	0.0	49.6	-0.37	-4.63	0.05	0.03	-2.63e-03	-1.60
194	154	-5.89	0.03	-2.49e-04	-15.23	0.0	-0.51	10.35	-0.03	-0.01	0.03	-6.48
		-6.48	9.93e-03	-2.29e-04	0.0	49.6	-0.51	-4.88	-0.03	-0.01	9.93e-03	-7.27
194	156	-10.87	3.98e-03	-3.95e-04	-15.23	0.0	-0.85	10.65	0.01	6.19e-03	-1.43e-03	-12.69
		-12.69	-1.43e-03	0.0	0.0	49.6	-0.85	-4.58	0.01	6.19e-03	3.98e-03	-11.22
194	159	2.74	3.31e-03	1.25e-04	-15.23	0.0	-0.03	10.31	0.02	8.99e-03	-3.72e-03	0.98

		0.98	-3.72e-03	1.25e-06	0.0	49.6	-0.03	-4.92	0.02	8.99e-03	3.31e-03	2.35
194	160	-10.38	3.79e-03	-3.67e-04	-15.23	0.0	-0.83	10.64	0.01	6.09e-03	-2.19e-03	-12.69
		-12.69	-2.19e-03	9.78e-06	0.0	49.6	-0.83	-4.59	0.01	6.09e-03	3.79e-03	-10.56
194	185	-1.68	-2.66e-03	-3.03e-05	-15.23	0.0	-0.37	10.60	0.06	0.03	-0.03	-5.20
		-5.20	-0.03	2.40e-04	0.0	49.6	-0.37	-4.62	0.06	0.03	-2.66e-03	-1.68
194	186	-5.87	0.03	-2.47e-04	-15.23	0.0	-0.51	10.35	-0.03	-0.01	0.03	-6.50
		-7.19	9.96e-03	-2.39e-04	0.0	49.6	-0.51	-4.88	-0.03	-0.01	9.96e-03	-7.19
194	188	-10.76	3.99e-03	-3.91e-04	-15.23	0.0	-0.84	10.64	0.01	6.16e-03	-1.25e-03	-12.58
		-12.58	-1.25e-03	-2.63e-06	0.0	49.6	-0.84	-4.58	0.01	6.16e-03	3.99e-03	-11.11
194	191	2.63	3.31e-03	1.21e-04	-15.23	0.0	-0.03	10.31	0.02	9.02e-03	-3.90e-03	0.87
		0.87	-3.90e-03	3.98e-06	0.0	49.6	-0.03	-4.92	0.02	9.02e-03	3.31e-03	2.25
194	192	-10.30	3.75e-03	-3.64e-04	-15.23	0.0	-0.82	10.64	0.01	6.22e-03	-2.28e-03	-12.58
		-12.58	-2.28e-03	9.70e-06	0.0	49.6	-0.82	-4.59	0.01	6.22e-03	3.75e-03	-10.48
194	217	-1.23	-3.87e-03	-1.89e-05	-15.23	0.0	-0.35	10.63	0.06	0.03	-0.04	-5.11
		-5.11	-0.04	2.91e-04	0.0	49.6	-0.35	-4.60	0.06	0.03	-3.87e-03	-1.23
194	218	-6.11	0.03	-2.67e-04	-15.23	0.0	-0.52	10.32	-0.04	-0.02	0.03	-6.60
		-7.64	0.01	-2.90e-04	0.0	49.6	-0.52	-4.91	-0.04	-0.02	0.01	-7.64
194	220	-11.85	4.06e-03	-4.33e-04	-15.23	0.0	-0.90	10.67	0.01	5.81e-03	-8.79e-04	-13.67
		-13.67	-8.79e-04	-5.62e-06	0.0	49.6	-0.90	-4.56	0.01	5.81e-03	4.06e-03	-12.20
194	223	3.72	3.23e-03	1.63e-04	-15.23	0.0	0.03	10.28	0.02	9.37e-03	-4.26e-03	1.96
		1.96	-4.26e-03	6.97e-06	0.0	49.6	0.03	-4.95	0.02	9.37e-03	3.23e-03	3.33
194	224	-11.31	3.73e-03	-4.02e-04	-15.23	0.0	-0.89	10.67	0.01	6.09e-03	-2.36e-03	-13.69
		-13.69	-2.36e-03	1.14e-05	0.0	49.6	-0.89	-4.56	0.01	6.09e-03	3.73e-03	-11.47
195	4	-8.70	2.66e-03	-1.29e-04	-28.88	0.0	-0.34	13.86	-4.56e-03	0.02	2.66e-03	-10.34
		-10.63	-1.02e-03	1.56e-06	0.0	49.6	-0.34	-15.03	-4.56e-03	0.02	-1.02e-03	-10.63
195	18	-8.12	3.27e-03	-1.30e-04	-23.68	0.0	-0.32	11.11	-2.14e-03	0.02	3.27e-03	-9.41
		-9.77	4.32e-04	1.19e-06	0.0	49.6	-0.32	-12.58	-2.14e-03	0.02	4.32e-04	-9.77
195	43	-6.26	-2.47e-03	-7.34e-05	-23.68	0.0	-0.74	11.76	-0.02	-0.01	-2.47e-03	-7.71
		-7.75	-9.35e-03	1.04e-06	0.0	49.6	-0.74	-11.93	-0.02	-0.01	-9.35e-03	-7.75
195	44	-6.69	-2.42e-03	-7.52e-05	-23.68	0.0	-0.68	11.77	-0.02	-0.01	-2.42e-03	-8.14
		-8.18	-9.43e-03	1.23e-06	0.0	49.6	-0.68	-11.92	-0.02	-0.01	-9.43e-03	-8.18
195	45	-2.77	-3.07e-03	-2.61e-05	-7.53	0.0	-0.59	3.73	-0.01	-0.02	-3.07e-03	-3.23
		-3.24	-8.51e-03	0.0	0.0	49.6	-0.59	-3.80	-0.01	-0.02	-8.51e-03	-3.24
195	60	-4.34	8.94e-04	-5.81e-05	-7.53	0.0	-0.09	3.41	-5.45e-03	5.22e-03	8.94e-04	-4.73
		-4.90	-2.27e-03	1.11e-06	0.0	49.6	-0.09	-4.12	-5.45e-03	5.22e-03	-2.27e-03	-4.90
195	68	-6.16	1.87e-03	-9.19e-05	-19.85	0.0	-0.26	9.48	-3.67e-03	0.01	1.87e-03	-7.28
		-7.50	-9.54e-04	1.11e-06	0.0	49.6	-0.26	-10.37	-3.67e-03	0.01	-9.54e-04	-7.50
195	75	-5.78	2.27e-03	-9.25e-05	-16.38	0.0	-0.24	7.65	-2.05e-03	0.01	2.27e-03	-6.66
		-6.93	1.61e-05	0.0	0.0	49.6	-0.24	-8.73	-2.05e-03	0.01	1.61e-05	-6.93
195	85	-3.20	-1.75e-03	-3.77e-05	-8.30	0.0	-0.47	4.01	-0.01	-0.01	-1.75e-03	-3.68
		-3.75	-6.40e-03	0.0	0.0	49.6	-0.47	-4.29	-0.01	-0.01	-6.40e-03	-3.75
195	87	-4.54	-1.56e-03	-5.43e-05	-16.38	0.0	-0.52	8.08	-0.01	-9.37e-03	-1.56e-03	-5.53
		-5.58	-6.51e-03	0.0	0.0	49.6	-0.52	-8.30	-0.01	-9.37e-03	-6.51e-03	-5.58
195	88	-4.83	-1.52e-03	-5.56e-05	-16.38	0.0	-0.48	8.09	-0.01	-9.27e-03	-1.52e-03	-5.82
		-5.87	-6.56e-03	0.0	0.0	49.6	-0.48	-8.29	-0.01	-9.27e-03	-6.56e-03	-5.87
195	93	-4.25	8.85e-04	-5.90e-05	-8.30	0.0	-0.13	3.79	-5.37e-03	5.24e-03	8.85e-04	-4.68
		-4.85	-2.24e-03	1.03e-06	0.0	49.6	-0.13	-4.51	-5.37e-03	5.24e-03	-2.24e-03	-4.85
195	98	-5.02	1.01e-03	-7.22e-05	-16.38	0.0	-0.26	7.86	-5.48e-03	6.04e-03	1.01e-03	-5.95
		-6.12	-2.24e-03	1.05e-06	0.0	49.6	-0.26	-8.53	-5.48e-03	6.04e-03	-2.24e-03	-6.12
195	99	-3.79	8.29e-04	-5.66e-05	-8.30	0.0	-0.20	3.78	-5.12e-03	5.08e-03	8.29e-04	-4.22
		-4.40	-2.16e-03	0.0	0.0	49.6	-0.20	-4.52	-5.12e-03	5.08e-03	-2.16e-03	-4.40
195	103	-4.92	1.23e-03	-7.36e-05	-15.23	0.0	-0.26	7.23	-4.71e-03	7.42e-03	1.23e-03	-5.77
		-5.96	-1.77e-03	0.0	0.0	49.6	-0.26	-8.00	-4.71e-03	7.42e-03	-1.77e-03	-5.96
195	104	-3.58	3.01e-04	-5.24e-05	-8.30	0.0	-0.26	3.82	-6.30e-03	1.96e-03	3.01e-04	-4.02
		-4.18	-2.99e-03	0.0	0.0	49.6	-0.26	-4.48	-6.30e-03	1.96e-03	-2.99e-03	-4.18
195	105	-4.73	4.71e-04	-6.62e-05	-15.23	0.0	-0.31	7.32	-6.66e-03	2.82e-03	4.71e-04	-5.60
		-5.75	-3.08e-03	0.0	0.0	49.6	-0.31	-7.91	-6.66e-03	2.82e-03	-3.08e-03	-5.75
195	106	-3.67	8.15e-04	-5.60e-05	-8.30	0.0	-0.21	3.78	-5.06e-03	5.04e-03	8.15e-04	-4.10
		-4.28	-2.14e-03	0.0	0.0	49.6	-0.21	-4.52	-5.06e-03	5.04e-03	-2.14e-03	-4.28
195	107	-4.83	9.85e-04	-6.99e-05	-15.23	0.0	-0.26	7.27	-5.42e-03	5.90e-03	9.85e-04	-5.69
		-5.85	-2.23e-03	1.01e-06	0.0	49.6	-0.26	-7.96	-5.42e-03	5.90e-03	-2.23e-03	-5.85
195	121	-4.32	5.64e-03	-1.45e-05	-15.23	0.0	0.02	8.48	-0.06	0.03	5.64e-03	-5.24
		-5.30	-0.03	2.05e-04	0.0	49.6	0.02	-6.75	-0.06	0.03	-0.03	-5.30
195	122	-5.33	0.02	-1.41e-04	-15.23	0.0	-0.53	6.07	0.05	-0.01	-3.67e-03	-6.13
		-6.41	-3.67e-03	-2.03e-04	0.0	49.6	-0.53	-9.16	0.05	-0.01	0.02	-6.41
195	127	0.67	1.15e-03	8.92e-05	-15.23	0.0	-0.08	9.70	-7.54e-03	-8.28e-03	1.15e-03	-0.94
		-0.94	-3.13e-03	0.0	0.0	49.6	-0.08	-5.53	-7.54e-03	-8.28e-03	-3.13e-03	0.22
195	128	-10.08	9.88e-04	-2.12e-04	-15.23	0.0	-0.44	4.86	-4.93e-03	0.02	9.88e-04	-10.42
		-11.94	-1.96e-03	1.03e-05	0.0	49.6	-0.44	-10.37	-4.93e-03	0.02	-1.96e-03	-11.94
195	133	-0.51	4.22e-03	6.00e-05	-15.23	0.0	0.09	9.75	-0.04	9.57e-04	4.22e-03	-1.97
		-1.97	-0.02	0.0	0.0	49.6	0.09	-5.48	-0.04	9.57e-04	-0.02	-1.05
195	134	-8.98	0.01	-2.00e-04	-15.23	0.0	-0.60	4.80	0.03	0.01	-2.25e-03	-9.40
		-10.66	-2.25e-03	1.39e-06	0.0	49.6	-0.60	-10.43	0.03	0.01	0.01	-10.66
195	153	-4.26	6.26e-03	1.07e-05	-15.23	0.0	0.05	8.63	-0.07	0.03	6.26e-03	-5.18
		-5.23	-0.03	2.32e-04	0.0	49.6	0.05	-6.60	-0.07	0.03	-0.03	-5.23

195	154	-5.39	0.02	-1.50e-04	-15.23	0.0	-0.56	5.91	0.06	-0.02	-4.29e-03	-6.19
		-6.48	-4.29e-03	-2.30e-04	0.0	49.6	-0.56	-9.31	0.06	-0.02	0.02	-6.48
195	159	1.38	1.18e-03	1.09e-04	-15.23	0.0	-0.06	10.00	-7.87e-03	-0.01	1.18e-03	-0.35
		-0.35	-3.27e-03	0.0	0.0	49.6	-0.06	-5.23	-7.87e-03	-0.01	-3.27e-03	0.98
195	160	-10.72	9.89e-04	-2.29e-04	-15.23	0.0	-0.46	4.56	-4.88e-03	0.02	9.89e-04	-11.01
		-12.69	-1.94e-03	1.14e-05	0.0	49.6	-0.46	-10.67	-4.88e-03	0.02	-1.94e-03	-12.69
195	165	0.04	4.63e-03	7.61e-05	-15.23	0.0	0.13	10.06	-0.05	3.08e-04	4.63e-03	-1.51
		-1.51	-0.02	0.0	0.0	49.6	0.13	-5.17	-0.05	3.08e-04	-0.02	-0.45
195	166	-9.49	0.02	-2.16e-04	-15.23	0.0	-0.65	4.49	0.04	0.01	-2.66e-03	-9.86
		-11.26	-2.66e-03	2.01e-06	0.0	49.6	-0.65	-10.74	0.04	0.01	0.02	-11.26
195	185	-4.23	6.42e-03	-1.09e-05	-15.23	0.0	0.06	8.61	-0.07	0.03	6.42e-03	-5.15
		-5.20	-0.03	2.43e-04	0.0	49.6	0.06	-6.62	-0.07	0.03	-0.03	-5.20
195	186	-5.42	0.03	-1.50e-04	-15.23	0.0	-0.57	5.94	0.06	-0.02	-4.45e-03	-6.22
		-6.50	-4.45e-03	-2.40e-04	0.0	49.6	-0.57	-9.29	0.06	-0.02	0.03	-6.50
195	192	-10.63	1.00e-03	-2.27e-04	-15.23	0.0	-0.45	4.59	-5.07e-03	0.02	1.00e-03	-10.92
		-12.58	-2.02e-03	1.12e-05	0.0	49.6	-0.45	-10.64	-5.07e-03	0.02	-2.02e-03	-12.58
195	195	1.27	9.70e-04	8.74e-05	-15.23	0.0	-0.06	9.95	-5.78e-03	-0.01	9.70e-04	-0.45
		-0.45	-2.44e-03	-9.23e-06	0.0	49.6	-0.06	-5.28	-5.78e-03	-0.01	-2.44e-03	0.88
195	197	-0.05	4.61e-03	7.33e-05	-15.23	0.0	0.13	10.00	-0.05	1.45e-04	4.61e-03	-1.58
		-1.58	-0.02	-2.91e-06	0.0	49.6	0.13	-5.23	-0.05	1.45e-04	-0.02	-0.55
195	198	-9.41	0.02	-2.13e-04	-15.23	0.0	-0.64	4.55	0.04	0.01	-2.64e-03	-9.79
		-11.16	-2.64e-03	4.93e-06	0.0	49.6	-0.64	-10.68	0.04	0.01	0.02	-11.16
195	217	-4.14	7.52e-03	2.37e-05	-15.23	0.0	0.12	8.84	-0.09	0.03	7.52e-03	-5.06
		-5.11	-0.04	2.94e-04	0.0	49.6	0.12	-6.39	-0.09	0.03	-0.04	-5.11
195	218	-5.51	0.03	-1.63e-04	-15.23	0.0	-0.63	5.70	0.08	-0.02	-5.55e-03	-6.31
		-6.60	-5.55e-03	-2.92e-04	0.0	49.6	-0.63	-9.52	0.08	-0.02	0.03	-6.60
195	224	-11.55	1.02e-03	-2.53e-04	-15.23	0.0	-0.48	4.16	-5.28e-03	0.03	1.02e-03	-11.78
		-13.69	-2.10e-03	1.31e-05	0.0	49.6	-0.48	-11.07	-5.28e-03	0.03	-2.10e-03	-13.69
195	227	2.30	9.49e-04	1.13e-04	-15.23	0.0	-0.03	10.39	-5.57e-03	-0.01	9.49e-04	0.41
		0.41	-2.36e-03	-1.11e-05	0.0	49.6	-0.03	-4.84	-5.57e-03	-0.01	-2.36e-03	1.98
195	229	0.74	5.22e-03	9.63e-05	-15.23	0.0	0.19	10.44	-0.05	-9.98e-04	5.22e-03	-0.92
		-0.92	-0.02	-6.15e-06	0.0	49.6	0.19	-4.79	-0.05	-9.98e-04	-0.02	0.31
195	230	-10.13	0.02	-2.36e-04	-15.23	0.0	-0.70	4.11	0.04	0.01	-3.25e-03	-10.46
		-12.02	-3.25e-03	8.17e-06	0.0	49.6	-0.70	-11.12	0.04	0.01	0.02	-12.02
196	4	-7.50	3.34e-03	-5.19e-05	-28.88	0.0	0.07	10.67	6.63e-03	0.01	1.42e-03	-8.47
		-10.34	1.42e-03	1.43e-06	0.0	49.6	0.07	-18.21	6.63e-03	0.01	3.34e-03	-10.34
196	14	-5.83	2.88e-03	-3.77e-05	-19.66	0.0	0.13	6.90	5.53e-03	0.01	1.32e-03	-6.43
		-7.88	1.32e-03	1.15e-06	0.0	49.6	0.13	-12.75	5.53e-03	0.01	2.88e-03	-7.88
196	18	-6.92	4.13e-03	-5.33e-05	-23.68	0.0	0.07	8.25	7.72e-03	0.02	2.04e-03	-7.63
		-9.41	2.04e-03	1.07e-06	0.0	49.6	0.07	-15.43	7.72e-03	0.02	4.13e-03	-9.41
196	41	-3.74	-2.73e-03	-1.34e-05	-11.56	0.0	-0.44	4.08	-4.89e-03	-0.02	-2.73e-03	-4.09
		-4.94	-3.55e-03	0.0	0.0	49.6	-0.44	-7.48	-4.89e-03	-0.02	-3.55e-03	-4.94
196	45	-2.46	-2.79e-03	-6.15e-06	-7.53	0.0	-0.43	2.70	-5.79e-03	-0.02	-2.79e-03	-2.70
		-3.23	-3.92e-03	0.0	0.0	49.6	-0.43	-4.83	-5.79e-03	-0.02	-3.92e-03	-3.23
196	68	-5.30	2.34e-03	-3.67e-05	-19.85	0.0	0.03	7.25	4.73e-03	9.12e-03	9.55e-04	-5.96
		-7.28	9.55e-04	1.01e-06	0.0	49.6	0.03	-12.60	4.73e-03	9.12e-03	2.34e-03	-7.28
196	71	-5.04	2.28e-03	-3.25e-05	-16.38	0.0	0.07	5.66	4.60e-03	8.85e-03	9.27e-04	-5.52
		-6.78	9.27e-04	1.03e-06	0.0	49.6	0.07	-10.72	4.60e-03	8.85e-03	2.28e-03	-6.78
196	75	-4.91	2.87e-03	-3.78e-05	-16.38	0.0	0.04	5.64	5.46e-03	0.01	1.37e-03	-5.39
		-6.66	1.37e-03	0.0	0.0	49.6	0.04	-10.75	5.46e-03	0.01	2.87e-03	-6.66
196	85	-2.79	-1.81e-03	-1.08e-05	-8.30	0.0	-0.30	2.86	-2.94e-03	-0.01	-1.81e-03	-3.04
		-3.68	-2.25e-03	0.0	0.0	49.6	-0.30	-5.44	-2.94e-03	-0.01	-2.25e-03	-3.68
196	98	-4.33	1.26e-03	-2.82e-05	-16.38	0.0	-0.04	6.03	3.09e-03	4.40e-03	2.23e-04	-4.88
		-5.95	2.23e-04	0.0	0.0	49.6	-0.04	-10.35	3.09e-03	4.40e-03	1.26e-03	-5.95
196	101	-4.26	1.24e-03	-2.67e-05	-15.23	0.0	-0.02	5.50	3.05e-03	4.31e-03	2.15e-04	-4.75
		-5.80	2.15e-04	0.0	0.0	49.6	-0.02	-9.73	3.05e-03	4.31e-03	1.24e-03	-5.80
196	103	-4.22	1.54e-03	-2.90e-05	-15.23	0.0	-0.03	5.48	3.49e-03	5.77e-03	4.35e-04	-4.71
		-5.77	4.35e-04	0.0	0.0	49.6	-0.03	-9.75	3.49e-03	5.77e-03	1.54e-03	-5.77
196	104	-3.05	3.67e-04	-1.85e-05	-8.30	0.0	-0.10	2.61	1.52e-03	7.42e-04	-2.61e-04	-3.25
		-4.02	-2.61e-04	0.0	0.0	49.6	-0.10	-5.69	1.52e-03	7.42e-04	3.67e-04	-4.02
196	106	-3.11	1.02e-03	-2.09e-05	-8.30	0.0	-0.06	2.55	2.64e-03	3.70e-03	1.27e-04	-3.31
		-4.10	1.27e-04	0.0	0.0	49.6	-0.06	-5.75	2.64e-03	3.70e-03	1.02e-03	-4.10
196	107	-4.16	1.23e-03	-2.70e-05	-15.23	0.0	-0.04	5.54	3.03e-03	4.30e-03	2.09e-04	-4.65
		-5.69	2.09e-04	0.0	0.0	49.6	-0.04	-9.69	3.03e-03	4.30e-03	1.23e-03	-5.69
196	121	-3.81	8.52e-03	5.58e-05	-15.23	0.0	0.08	7.13	0.06	0.02	-0.02	-4.37
		-5.24	-0.02	2.03e-04	0.0	49.6	0.08	-8.10	0.06	0.02	8.52e-03	-5.24
196	122	-4.50	0.02	-9.61e-05	-15.23	0.0	-0.16	3.94	-0.05	-0.02	0.02	-4.93
		-6.13	-6.07e-03	-2.02e-04	0.0	49.6	-0.16	-11.29	-0.05	-0.02	-6.07e-03	-6.13
196	124	-7.54	1.19e-03	-1.32e-04	-15.23	0.0	-0.20	1.88	3.53e-04	0.02	1.19e-03	-7.60
		-10.43	8.66e-04	2.93e-06	0.0	49.6	-0.20	-13.35	3.53e-04	0.02	8.66e-04	-10.43
196	127	-0.35	1.59e-03	9.21e-05	-15.23	0.0	0.12	9.19	5.70e-03	-9.34e-03	-7.76e-04	-1.71
		-1.71	-7.76e-04	-1.10e-06	0.0	49.6	0.12	-6.04	5.70e-03	-9.34e-03	1.59e-03	-0.94
196	133	-1.23	5.23e-03	7.68e-05	-15.23	0.0	0.18	8.48	0.04	-3.69e-04	-0.01	-2.41
		-2.41	-0.01	1.69e-06	0.0	49.6	0.18	-6.75	0.04	-3.69e-04	5.23e-03	-1.97
196	134	-6.79	0.01	-1.17e-04	-15.23	0.0	-0.26	2.59	-0.03	8.97e-03	0.01	-6.90

		-9.40	-2.78e-03	0.0	0.0	49.6	-0.26	-12.64	-0.03	8.97e-03	-2.78e-03	-9.40
196	153	-3.77	9.49e-03	6.50e-05	-15.23	0.0	0.09	7.33	0.07	0.03	-0.02	-4.34
		-5.18	-0.02	2.30e-04	0.0	49.6	0.09	-7.90	0.07	0.03	9.49e-03	-5.18
196	154	-4.54	0.02	-1.05e-04	-15.23	0.0	-0.17	3.74	-0.06	-0.02	0.02	-4.97
		-6.19	-7.03e-03	-2.29e-04	0.0	49.6	-0.17	-11.48	-0.06	-0.02	-7.03e-03	-6.19
196	156	-7.93	1.34e-03	-1.46e-04	-15.23	0.0	-0.22	1.42	-4.66e-05	0.02	1.34e-03	-7.96
		-11.02	8.12e-04	2.62e-06	0.0	49.6	-0.22	-13.80	-4.66e-05	0.02	8.12e-04	-11.02
196	159	0.16	1.64e-03	1.06e-04	-15.23	0.0	0.14	9.65	6.10e-03	-0.01	-9.22e-04	-1.34
		-1.34	-9.22e-04	0.0	0.0	49.6	0.14	-5.58	6.10e-03	-0.01	1.64e-03	-0.35
196	165	-0.85	5.75e-03	8.89e-05	-15.23	0.0	0.21	8.84	0.04	-9.85e-04	-0.01	-2.13
		-2.13	-0.01	1.21e-06	0.0	49.6	0.21	-6.38	0.04	-9.85e-04	5.75e-03	-1.51
196	166	-7.10	0.01	-1.29e-04	-15.23	0.0	-0.29	2.23	-0.03	9.59e-03	0.01	-7.18
		-9.86	-3.29e-03	0.0	0.0	49.6	-0.29	-13.00	-0.03	9.59e-03	-3.29e-03	-9.86
196	185	-3.74	9.78e-03	6.07e-05	-15.23	0.0	0.09	7.29	0.07	0.03	-0.02	-4.30
		-5.15	-0.02	2.41e-04	0.0	49.6	0.09	-7.94	0.07	0.03	9.78e-03	-5.15
196	186	-4.57	0.02	-1.01e-04	-15.23	0.0	-0.17	3.78	-0.06	-0.02	0.02	-5.00
		-6.22	-7.33e-03	-2.39e-04	0.0	49.6	-0.17	-11.45	-0.06	-0.02	-7.33e-03	-6.22
196	188	-7.87	1.47e-03	-1.45e-04	-15.23	0.0	-0.21	1.49	-3.94e-04	0.02	1.47e-03	-7.90
		-10.93	7.69e-04	0.0	0.0	49.6	-0.21	-13.74	-3.94e-04	0.02	7.69e-04	-10.93
196	191	0.08	1.68e-03	1.04e-04	-15.23	0.0	0.13	9.58	6.45e-03	-0.01	-1.05e-03	-1.40
		-1.40	-1.05e-03	2.11e-06	0.0	49.6	0.13	-5.64	6.45e-03	-0.01	1.68e-03	-0.44
196	197	-0.91	5.78e-03	8.70e-05	-15.23	0.0	0.20	8.78	0.04	-1.15e-03	-0.01	-2.17
		-2.17	-0.01	-1.78e-06	0.0	49.6	0.20	-6.45	0.04	-1.15e-03	5.78e-03	-1.58
196	198	-7.05	0.01	-1.27e-04	-15.23	0.0	-0.28	2.29	-0.03	9.76e-03	0.01	-7.13
		-9.79	-3.32e-03	3.62e-06	0.0	49.6	-0.28	-12.94	-0.03	9.76e-03	-3.32e-03	-9.79
196	217	-3.66	0.01	7.34e-05	-15.23	0.0	0.12	7.59	0.08	0.03	-0.03	-4.24
		-5.06	-0.03	2.92e-04	0.0	49.6	0.12	-7.64	0.08	0.03	0.01	-5.06
196	218	-4.65	0.03	-1.14e-04	-15.23	0.0	-0.20	3.48	-0.08	-0.02	0.03	-5.07
		-6.31	-9.10e-03	-2.91e-04	0.0	49.6	-0.20	-11.75	-0.08	-0.02	-9.10e-03	-6.31
196	220	-8.42	1.78e-03	-1.65e-04	-15.23	0.0	-0.24	0.82	-1.26e-03	0.02	1.78e-03	-8.43
		-11.78	6.53e-04	-2.98e-06	0.0	49.6	-0.24	-14.40	-1.26e-03	0.02	6.53e-04	-11.78
196	223	0.82	1.80e-03	1.25e-04	-15.23	0.0	0.16	10.25	7.31e-03	-0.01	-1.36e-03	-0.88
		-0.88	-1.36e-03	4.81e-06	0.0	49.6	0.16	-4.98	7.31e-03	-0.01	1.80e-03	0.41
196	229	-0.35	6.61e-03	1.04e-04	-15.23	0.0	0.24	9.31	0.05	-2.25e-03	-0.02	-1.77
		-1.77	-0.02	-4.84e-06	0.0	49.6	0.24	-5.92	0.05	-2.25e-03	6.61e-03	-0.92
196	230	-7.49	0.02	-1.45e-04	-15.23	0.0	-0.32	1.76	-0.04	0.01	0.02	-7.54
		-10.46	-4.15e-03	6.67e-06	0.0	49.6	-0.32	-13.46	-0.04	0.01	-4.15e-03	-10.46
197	4	-4.53	2.03e-03	3.84e-05	-28.88	0.0	0.99	7.46	0.01	9.38e-03	-2.61e-03	-5.01
		-8.47	-2.61e-03	1.36e-06	0.0	49.6	0.99	-21.43	0.01	9.38e-03	2.03e-03	-8.47
197	18	-4.15	2.82e-03	2.12e-05	-23.68	0.0	0.73	5.45	0.01	0.01	-2.13e-03	-4.46
		-7.63	-2.13e-03	0.0	0.0	49.6	0.73	-18.23	0.01	0.01	2.82e-03	-7.63
197	19	-1.97	2.48e-03	-1.42e-05	-7.53	0.0	0.07	0.67	9.39e-03	0.01	-9.14e-04	-1.98
		-3.51	-9.14e-04	0.0	0.0	49.6	0.07	-6.86	9.39e-03	0.01	2.48e-03	-3.51
197	44	-3.67	-3.29e-03	6.02e-05	-23.68	0.0	0.92	6.36	-1.40e-03	-0.01	-3.99e-03	-4.09
		-6.81	-3.99e-03	1.09e-06	0.0	49.6	0.92	-17.32	-1.40e-03	-0.01	-3.29e-03	-6.81
197	45	-1.53	-2.77e-03	2.76e-05	-7.53	0.0	0.26	1.58	-4.97e-03	-0.02	-2.77e-03	-1.62
		-2.70	-3.63e-03	0.0	0.0	49.6	0.26	-5.95	-4.97e-03	-0.02	-3.63e-03	-2.70
197	52	-4.39	7.13e-04	5.03e-05	-28.88	0.0	1.16	7.73	8.88e-03	4.00e-03	-3.13e-03	-4.90
		-8.23	-3.13e-03	1.66e-06	0.0	49.6	1.16	-21.15	8.88e-03	4.00e-03	7.13e-04	-8.23
197	68	-3.20	1.38e-03	2.59e-05	-19.85	0.0	0.69	5.00	8.32e-03	6.54e-03	-1.95e-03	-3.51
		-5.96	-1.95e-03	0.0	0.0	49.6	0.69	-14.85	8.32e-03	6.54e-03	1.38e-03	-5.96
197	72	-2.01	1.76e-03	-1.01e-05	-8.30	0.0	0.20	1.05	8.01e-03	8.34e-03	-1.25e-03	-2.04
		-3.58	-1.25e-03	0.0	0.0	49.6	0.20	-7.25	8.01e-03	8.34e-03	1.76e-03	-3.58
197	75	-2.95	1.91e-03	1.44e-05	-16.38	0.0	0.51	3.67	9.20e-03	8.75e-03	-1.63e-03	-3.15
		-5.39	-1.63e-03	0.0	0.0	49.6	0.51	-12.72	9.20e-03	8.75e-03	1.91e-03	-5.39
197	85	-1.72	-2.31e-03	2.28e-05	-8.30	0.0	0.33	1.65	-1.57e-03	-9.70e-03	-2.49e-03	-1.80
		-3.04	-2.49e-03	0.0	0.0	49.6	0.33	-6.65	-1.57e-03	-9.70e-03	-2.31e-03	-3.04
197	88	-2.63	-2.16e-03	4.04e-05	-16.38	0.0	0.64	4.27	-3.73e-04	-9.29e-03	-2.87e-03	-2.90
		-4.85	-2.87e-03	0.0	0.0	49.6	0.64	-12.11	-3.73e-04	-9.29e-03	-2.16e-03	-4.85
197	92	-3.11	5.05e-04	3.38e-05	-19.85	0.0	0.80	5.18	6.48e-03	2.95e-03	-2.29e-03	-3.44
		-5.79	-2.29e-03	1.16e-06	0.0	49.6	0.80	-14.66	6.48e-03	2.95e-03	5.05e-04	-5.79
197	98	-2.63	4.34e-04	2.44e-05	-16.38	0.0	0.61	4.18	5.74e-03	2.78e-03	-2.03e-03	-2.89
		-4.88	-2.03e-03	0.0	0.0	49.6	0.61	-12.20	5.74e-03	2.78e-03	4.34e-04	-4.88
197	101	-2.58	4.22e-04	2.36e-05	-15.23	0.0	0.62	3.69	5.79e-03	2.72e-03	-2.07e-03	-2.81
		-4.75	-2.07e-03	0.0	0.0	49.6	0.62	-11.54	5.79e-03	2.72e-03	4.22e-04	-4.75
197	102	-1.89	5.97e-04	7.29e-06	-8.30	0.0	0.35	1.29	5.56e-03	3.56e-03	-1.71e-03	-1.94
		-3.36	-1.71e-03	0.0	0.0	49.6	0.35	-7.01	5.56e-03	3.56e-03	5.97e-04	-3.36
197	103	-2.55	7.08e-04	1.97e-05	-15.23	0.0	0.54	3.72	6.24e-03	3.92e-03	-1.89e-03	-2.78
		-4.71	-1.89e-03	0.0	0.0	49.6	0.54	-11.51	6.24e-03	3.92e-03	7.08e-04	-4.71
197	104	-1.84	-2.17e-04	1.25e-05	-8.30	0.0	0.38	1.41	3.64e-03	-5.12e-05	-1.96e-03	-1.89
		-3.25	-1.96e-03	0.0	0.0	49.6	0.38	-6.89	3.64e-03	-5.12e-05	-2.17e-04	-3.25
197	105	-2.49	-1.06e-04	2.49e-05	-15.23	0.0	0.57	3.84	4.32e-03	3.08e-04	-2.13e-03	-2.73
		-4.60	-2.13e-03	0.0	0.0	49.6	0.57	-11.39	4.32e-03	3.08e-04	-1.06e-04	-4.60
197	106	-1.86	3.05e-04	9.93e-06	-8.30	0.0	0.39	1.35	4.95e-03	2.36e-03	-1.82e-03	-1.92
		-3.31	-1.82e-03	0.0	0.0	49.6	0.39	-6.95	4.95e-03	2.36e-03	3.05e-04	-3.31

197	107	-2.52	4.16e-04	2.24e-05	-15.23	0.0	0.58	3.78	5.63e-03	2.72e-03	-2.00e-03	-2.75
		-4.65	-2.00e-03	0.0	49.6	0.58	-11.45	5.63e-03	2.72e-03	4.16e-04	-4.65	
197	121	-2.38	-0.01	6.17e-05	-15.23	0.0	0.83	5.20	0.21	0.02	-0.14	-2.66
		-4.37	-0.14	2.03e-04	0.0	49.6	0.83	-10.03	0.21	0.02	-0.01	-4.37
197	122	-2.66	0.14	-2.61e-05	-15.23	0.0	0.33	2.36	-0.19	-0.02	0.14	-2.84
		-4.93	0.01	-2.01e-04	0.0	49.6	0.33	-12.87	-0.19	-0.02	0.01	-4.93
197	124	-4.00	9.77e-03	-6.69e-05	-15.23	0.0	0.21	0.33	0.15	0.01	9.77e-03	-4.00
		-7.60	9.31e-04	4.02e-06	0.0	49.6	0.21	-14.90	0.15	0.01	9.31e-04	-7.60
197	125	-0.88	-6.46e-03	1.19e-04	-15.23	0.0	1.06	6.90	-0.02	2.42e-04	-0.08	-1.66
		-2.00	-0.08	1.12e-04	0.0	49.6	1.06	-8.33	-0.02	2.42e-04	-6.46e-03	-2.00
197	126	-3.84	0.07	-7.42e-05	-15.23	0.0	0.10	0.66	0.03	5.20e-03	0.07	-3.84
		-7.30	7.29e-03	-1.10e-04	0.0	49.6	0.10	-14.57	0.03	5.20e-03	7.29e-03	-7.30
197	127	-0.66	-9.94e-05	1.12e-04	-15.23	0.0	0.95	7.23	-0.13	-9.19e-03	-0.01	-1.50
		-1.71	-0.01	-2.25e-06	0.0	49.6	0.95	-8.00	-0.13	-9.19e-03	-9.94e-05	-1.71
197	153	-2.36	-0.02	6.69e-05	-15.23	0.0	0.86	5.37	0.23	0.02	-0.16	-2.65
		-4.34	-0.16	2.30e-04	0.0	49.6	0.86	-9.85	0.23	0.02	-0.02	-4.34
197	154	-2.67	0.15	-2.93e-05	-15.23	0.0	0.30	2.18	-0.22	-0.02	0.15	-2.85
		-4.97	0.02	-2.28e-04	0.0	49.6	0.30	-13.05	-0.22	-0.02	0.02	-4.97
197	156	-4.15	0.01	-7.81e-05	-15.23	0.0	0.16	-0.10	0.16	0.02	0.01	-4.15
		-7.96	1.01e-03	3.84e-06	0.0	49.6	0.16	-15.33	0.16	0.02	1.01e-03	-7.96
197	157	-0.65	-7.35e-03	1.31e-04	-15.23	0.0	1.12	7.28	-0.02	-6.67e-05	-0.09	-1.52
		-1.67	-0.09	1.26e-04	0.0	49.6	1.12	-7.94	-0.02	-6.67e-05	-7.35e-03	-1.67
197	158	-3.98	0.08	-8.63e-05	-15.23	0.0	0.04	0.27	0.03	5.51e-03	0.08	-3.98
		-7.63	8.18e-03	-1.25e-04	0.0	49.6	0.04	-14.96	0.03	5.51e-03	8.18e-03	-7.63
197	159	-0.40	-1.81e-04	1.23e-04	-15.23	0.0	1.00	7.66	-0.15	-0.01	-0.02	-1.35
		-1.35	-0.02	-2.07e-06	0.0	49.6	1.00	-7.57	-0.15	-0.01	-1.81e-04	-1.34
197	185	-2.34	-0.02	6.89e-05	-15.23	0.0	0.86	5.32	0.24	0.02	-0.16	-2.63
		-4.30	-0.16	2.41e-04	0.0	49.6	0.86	-9.90	0.24	0.02	-0.02	-4.30
197	186	-2.70	0.16	-3.07e-05	-15.23	0.0	0.30	2.23	-0.23	-0.02	0.16	-2.87
		-5.00	0.02	-2.40e-04	0.0	49.6	0.30	-13.00	-0.23	-0.02	0.02	-5.00
197	188	-4.13	0.01	-7.62e-05	-15.23	0.0	0.17	-0.04	0.16	0.02	0.01	-4.13
		-7.90	1.11e-03	0.0	49.6	0.17	-15.26	0.16	0.02	1.11e-03	-7.90	
197	189	-0.68	-7.47e-03	1.30e-04	-15.23	0.0	1.11	7.25	-0.02	7.56e-05	-0.09	-1.54
		-1.71	-0.09	1.31e-04	0.0	49.6	1.11	-7.98	-0.02	7.56e-05	-7.47e-03	-1.71
197	190	-3.96	0.08	-8.52e-05	-15.23	0.0	0.05	0.31	0.03	5.37e-03	0.08	-3.96
		-7.60	8.30e-03	-1.30e-04	0.0	49.6	0.05	-14.92	0.03	5.37e-03	8.30e-03	-7.60
197	191	-0.45	-2.76e-04	1.21e-04	-15.23	0.0	1.00	7.59	-0.15	-0.01	-0.02	-1.38
		-1.40	-0.02	0.0	49.6	1.00	-7.64	-0.15	-0.01	-2.76e-04	-1.40	
197	217	-2.30	-0.02	7.82e-05	-15.23	0.0	0.92	5.58	0.29	0.03	-0.20	-2.60
		-4.24	-0.20	2.93e-04	0.0	49.6	0.92	-9.65	0.29	0.03	-0.02	-4.24
197	218	-2.73	0.19	-3.73e-05	-15.23	0.0	0.24	1.98	-0.28	-0.02	0.19	-2.90
		-5.07	0.02	-2.91e-04	0.0	49.6	0.24	-13.25	-0.28	-0.02	0.02	-5.07
197	220	-4.35	0.01	-9.22e-05	-15.23	0.0	0.10	-0.66	0.19	0.02	0.01	-4.35
		-8.43	1.30e-03	-1.69e-06	0.0	49.6	0.10	-15.88	0.19	0.02	1.30e-03	-8.43
197	221	-0.34	-8.95e-03	1.48e-04	-15.23	0.0	1.20	7.82	-0.03	-3.65e-04	-0.10	-1.34
		-1.34	-0.10	1.58e-04	0.0	49.6	1.20	-7.41	-0.03	-3.65e-04	-8.95e-03	-1.22
197	222	-4.16	0.10	-1.03e-04	-15.23	0.0	-0.04	-0.26	0.04	5.81e-03	0.10	-4.16
		-8.09	9.78e-03	-1.56e-04	0.0	49.6	-0.04	-15.49	0.04	5.81e-03	9.78e-03	-8.09
197	223	-0.07	-4.71e-04	1.37e-04	-15.23	0.0	1.06	8.21	-0.18	-0.01	-0.02	-1.15
		-1.15	-0.02	3.46e-06	0.0	49.6	1.06	-7.02	-0.18	-0.01	-4.71e-04	-0.88
198	4	0.16	-5.67e-04	8.87e-05	-28.88	0.0	1.12	4.34	-2.01e-03	3.70e-03	-5.67e-04	0.0
		-5.01	-2.18e-03	1.65e-06	0.0	49.6	1.12	-24.54	-2.01e-03	3.70e-03	-2.18e-03	-5.01
198	31	0.23	3.64e-05	9.16e-05	-24.85	0.0	0.78	4.82	-7.81e-03	-3.77e-03	3.64e-05	0.0
		-3.77	-3.16e-03	1.12e-06	0.0	49.6	0.78	-20.03	-7.81e-03	-3.77e-03	-3.16e-03	-3.77
198	44	0.13	2.04e-04	1.03e-04	-23.68	0.0	0.84	3.59	-0.01	-6.84e-03	2.04e-04	0.0
		-4.09	-4.65e-03	1.32e-06	0.0	49.6	0.84	-20.10	-0.01	-6.84e-03	-4.65e-03	-4.09
198	45	8.46e-03	3.51e-04	4.43e-05	-7.53	0.0	0.14	0.51	-0.01	-7.29e-03	3.51e-04	0.0
		-1.62	-3.49e-03	0.0	49.6	0.14	-7.02	-0.01	-7.29e-03	-3.49e-03	-1.62	
198	52	0.17	-4.06e-04	1.00e-04	-28.88	0.0	1.21	4.56	-4.72e-03	1.31e-03	-4.06e-04	0.0
		-4.90	-2.95e-03	1.95e-06	0.0	49.6	1.21	-24.32	-4.72e-03	1.31e-03	-2.95e-03	-4.90
198	68	0.10	-4.07e-04	6.10e-05	-19.85	0.0	0.77	2.84	-1.66e-03	2.57e-03	-4.07e-04	0.0
		-3.51	-1.65e-03	1.17e-06	0.0	49.6	0.77	-17.01	-1.66e-03	2.57e-03	-1.65e-03	-3.51
198	79	0.14	-5.91e-05	7.24e-05	-19.85	0.0	0.67	3.40	-6.18e-03	-2.24e-03	-5.91e-05	0.0
		-3.23	-2.71e-03	1.05e-06	0.0	49.6	0.67	-16.44	-6.18e-03	-2.24e-03	-2.71e-03	-3.23
198	85	8.28e-03	1.51e-04	4.09e-05	-8.30	0.0	0.24	0.53	-7.87e-03	-4.59e-03	1.51e-04	0.0
		-1.80	-2.93e-03	0.0	49.6	0.24	-7.77	-7.87e-03	-4.59e-03	-2.93e-03	-1.80	
198	88	0.08	1.07e-04	7.03e-05	-16.38	0.0	0.59	2.34	-8.47e-03	-4.46e-03	1.07e-04	0.0
		-2.90	-3.30e-03	0.0	49.6	0.59	-14.05	-8.47e-03	-4.46e-03	-3.30e-03	-2.90	
198	92	0.11	-2.99e-04	6.87e-05	-19.85	0.0	0.83	2.99	-3.46e-03	9.67e-04	-2.99e-04	0.0
		-3.44	-2.16e-03	1.38e-06	0.0	49.6	0.83	-16.86	-3.46e-03	9.67e-04	-2.16e-03	-3.44
198	98	0.08	-2.77e-04	5.39e-05	-16.38	0.0	0.64	2.36	-3.00e-03	9.19e-04	-2.77e-04	0.0
		-2.89	-1.91e-03	1.11e-06	0.0	49.6	0.64	-14.02	-3.00e-03	9.19e-04	-1.91e-03	-2.89
198	104	2.24e-03	-1.62e-04	3.08e-05	-8.30	0.0	0.35	0.33	-3.78e-03	-2.94e-04	-1.62e-04	0.0
		-1.89	-1.96e-03	0.0	49.6	0.35	-7.97	-3.78e-03	-2.94e-04	-1.96e-03	-1.89	
198	105	0.07	-1.94e-04	5.27e-05	-15.23	0.0	0.57	2.12	-3.99e-03	-1.75e-04	-1.94e-04	0.0

		-2.73	-2.12e-03	1.01e-06	0.0	49.6	0.57	-13.11	-3.99e-03	-1.75e-04	-2.12e-03	-2.73
198	106	7.33e-04	-2.40e-04	2.83e-05	-8.30	0.0	0.38	0.28	-2.75e-03	7.80e-04	-2.40e-04	0.0
		-1.92	-1.72e-03	0.0	0.0	49.6	0.38	-8.02	-2.75e-03	7.80e-04	-1.72e-03	-1.92
198	107	0.07	-2.72e-04	5.02e-05	-15.23	0.0	0.60	2.07	-2.97e-03	8.99e-04	-2.72e-04	0.0
		-2.75	-1.88e-03	1.07e-06	0.0	49.6	0.60	-13.16	-2.97e-03	8.99e-04	-1.88e-03	-2.75
198	116	0.02	2.53e-03	4.94e-05	-15.23	0.0	-0.09	0.96	-0.23	0.01	2.53e-03	0.0
		-3.30	-0.11	2.14e-04	0.0	49.6	-0.09	-14.27	-0.23	0.01	-0.11	-3.30
198	119	0.16	0.11	5.10e-05	-15.23	0.0	1.29	3.17	0.22	-0.01	-3.07e-03	0.0
		-2.20	-3.07e-03	-2.12e-04	0.0	49.6	1.29	-12.05	0.22	-0.01	0.11	-2.20
198	121	0.08	2.62e-03	1.02e-04	-15.23	0.0	0.10	2.25	-0.28	0.01	2.62e-03	0.0
		-2.66	-0.14	2.13e-04	0.0	49.6	0.10	-12.98	-0.28	0.01	-0.14	-2.66
198	122	0.06	0.13	-1.99e-05	-15.23	0.0	1.11	1.89	0.28	-8.21e-03	-3.17e-03	0.0
		-2.84	-3.17e-03	-2.11e-04	0.0	49.6	1.11	-13.34	0.28	-8.21e-03	0.13	-2.84
198	124	-1.54e-06	9.67e-03	-3.71e-05	-15.23	0.0	0.08	-0.45	0.02	2.27e-03	1.77e-03	-1.54e-06
		-4.00	1.77e-03	4.22e-06	0.0	49.6	0.08	-15.67	0.02	2.27e-03	9.67e-03	-4.00
198	127	0.34	-2.31e-03	1.32e-04	-15.23	0.0	1.13	4.58	-0.03	-4.76e-04	-2.31e-03	1.19e-06
		-1.50	-0.01	-2.08e-06	0.0	49.6	1.13	-10.65	-0.03	-4.76e-04	-0.01	-1.50
198	148	0.01	2.87e-03	4.96e-05	-15.23	0.0	-0.18	0.83	-0.26	0.01	2.87e-03	0.0
		-3.37	-0.13	2.42e-04	0.0	49.6	-0.18	-14.40	-0.26	0.01	-0.13	-3.37
198	151	0.17	0.12	5.09e-05	-15.23	0.0	1.38	3.31	0.25	-0.01	-3.42e-03	0.0
		-2.14	-3.42e-03	-2.40e-04	0.0	49.6	1.38	-11.92	0.25	-0.01	0.12	-2.14
198	153	0.08	2.98e-03	1.09e-04	-15.23	0.0	0.03	2.27	-0.32	0.01	2.98e-03	0.0
		-2.65	-0.16	2.42e-04	0.0	49.6	0.03	-12.96	-0.32	0.01	-0.16	-2.65
198	154	0.06	0.15	-2.34e-05	-15.23	0.0	1.17	1.86	0.31	-9.35e-03	-3.53e-03	-1.06e-06
		-2.85	-3.53e-03	-2.40e-04	0.0	49.6	1.17	-13.37	0.31	-9.35e-03	0.15	-2.85
198	156	-1.71e-06	0.01	-4.46e-05	-15.23	0.0	0.01	-0.76	0.02	2.44e-03	2.02e-03	-1.71e-06
		-4.15	2.02e-03	4.03e-06	0.0	49.6	0.01	-15.99	0.02	2.44e-03	0.01	-4.15
198	159	0.39	-2.56e-03	1.42e-04	-15.23	0.0	1.19	4.89	-0.03	-6.38e-04	-2.56e-03	1.36e-06
		-1.35	-0.01	-1.89e-06	0.0	49.6	1.19	-10.34	-0.03	-6.38e-04	-0.01	-1.35
198	180	0.01	2.80e-03	5.12e-05	-15.23	0.0	-0.20	0.89	-0.27	0.01	2.80e-03	0.0
		-3.33	-0.13	2.54e-04	0.0	49.6	-0.20	-14.34	-0.27	0.01	-0.13	-3.33
198	183	0.17	0.13	4.92e-05	-15.23	0.0	1.40	3.24	0.26	-0.01	-3.34e-03	0.0
		-2.17	-3.34e-03	-2.52e-04	0.0	49.6	1.40	-11.99	0.26	-0.01	0.13	-2.17
198	185	0.08	2.90e-03	1.10e-04	-15.23	0.0	4.52e-03	2.31	-0.33	0.01	2.90e-03	0.0
		-2.63	-0.16	2.54e-04	0.0	49.6	4.52e-03	-12.92	-0.33	0.01	-0.16	-2.63
198	186	0.05	0.16	-2.39e-05	-15.23	0.0	1.20	1.82	0.33	-9.12e-03	-3.45e-03	-1.06e-06
		-2.87	-3.45e-03	-2.52e-04	0.0	49.6	1.20	-13.41	0.33	-9.12e-03	0.16	-2.87
198	188	-1.69e-06	0.01	-4.38e-05	-15.23	0.0	0.02	-0.71	0.02	2.29e-03	1.97e-03	-1.69e-06
		-4.13	1.97e-03	0.0	0.0	49.6	0.02	-15.93	0.02	2.29e-03	0.01	-4.13
198	191	0.38	-2.51e-03	1.41e-04	-15.23	0.0	1.18	4.84	-0.03	-4.92e-04	-2.51e-03	1.34e-06
		-1.38	-0.02	1.20e-06	0.0	49.6	1.18	-10.39	-0.03	-4.92e-04	-0.02	-1.38
198	212	7.47e-03	3.34e-03	5.29e-05	-15.23	0.0	-0.36	0.72	-0.32	0.02	3.34e-03	0.0
		-3.42	-0.16	3.09e-04	0.0	49.6	-0.36	-14.51	-0.32	0.02	-0.16	-3.42
198	215	0.19	0.15	4.76e-05	-15.23	0.0	1.56	3.42	0.32	-0.01	-3.89e-03	0.0
		-2.08	-3.89e-03	-3.07e-04	0.0	49.6	1.56	-11.81	0.32	-0.01	0.15	-2.08
198	217	0.09	3.47e-03	1.21e-04	-15.23	0.0	-0.12	2.37	-0.40	0.01	3.47e-03	0.0
		-2.60	-0.20	3.08e-04	0.0	49.6	-0.12	-12.86	-0.40	0.01	-0.20	-2.60
198	218	0.05	0.19	-3.06e-05	-15.23	0.0	1.32	1.77	0.39	-0.01	-4.02e-03	-1.22e-06
		-2.90	-4.02e-03	-3.06e-04	0.0	49.6	1.32	-13.46	0.39	-0.01	0.19	-2.90
198	220	-1.94e-06	0.01	-5.61e-05	-15.23	0.0	-0.08	-1.15	0.03	2.50e-03	2.33e-03	-1.94e-06
		-4.35	2.33e-03	-1.68e-06	0.0	49.6	-0.08	-16.38	0.03	2.50e-03	0.01	-4.35
198	223	0.45	-2.87e-03	1.56e-04	-15.23	0.0	1.28	5.29	-0.04	-7.04e-04	-2.87e-03	1.59e-06
		-1.15	-0.02	3.82e-06	0.0	49.6	1.28	-9.94	-0.04	-7.04e-04	-0.02	-1.15
199	16	0.40	8.42e-03	-9.54e-05	-0.23	0.0	-0.31	0.84	-0.01	0.12	8.42e-03	0.0
		0.0	4.69e-03	0.0	0.0	56.0	-0.31	0.61	-0.01	0.12	4.69e-03	0.40
199	19	0.31	1.87e-03	-6.77e-05	-0.18	0.0	-0.22	0.64	-9.63e-03	0.07	1.87e-03	0.0
		0.0	1.79e-03	-1.99e-06	0.0	56.0	-0.22	0.47	-9.63e-03	0.07	1.79e-03	0.31
199	20	0.31	2.63e-03	-7.15e-05	-0.18	0.0	-0.22	0.65	-0.01	0.07	2.63e-03	0.0
		0.0	1.98e-03	-1.72e-06	0.0	56.0	-0.22	0.47	-0.01	0.07	1.98e-03	0.31
199	43	0.37	0.04	-1.08e-04	-0.23	0.0	-0.55	0.78	0.02	0.35	0.04	0.0
		0.0	0.02	6.62e-06	0.0	56.0	-0.55	0.55	0.02	0.35	0.02	0.37
199	44	0.37	0.04	-1.12e-04	-0.23	0.0	-0.54	0.78	0.02	0.36	0.04	0.0
		0.0	0.02	6.89e-06	0.0	56.0	-0.54	0.55	0.02	0.36	0.02	0.37
199	45	0.29	0.03	-7.03e-05	-0.18	0.0	-0.40	0.60	0.02	0.24	0.03	0.0
		0.0	0.02	5.02e-06	0.0	56.0	-0.40	0.42	0.02	0.24	0.02	0.29
199	72	0.31	6.89e-03	-6.95e-05	-0.18	0.0	-0.25	0.64	-9.37e-03	0.09	6.89e-03	0.0
		0.0	3.79e-03	0.0	0.0	56.0	-0.25	0.46	-9.37e-03	0.09	3.79e-03	0.31
199	73	0.31	7.40e-03	-7.21e-05	-0.18	0.0	-0.25	0.64	-9.77e-03	0.10	7.40e-03	0.0
		0.0	3.91e-03	0.0	0.0	56.0	-0.25	0.46	-9.77e-03	0.10	3.91e-03	0.31
199	85	0.29	0.02	-7.13e-05	-0.18	0.0	-0.37	0.61	0.01	0.21	0.02	0.0
		0.0	0.01	4.06e-06	0.0	56.0	-0.37	0.43	0.01	0.21	0.01	0.29
199	87	0.29	0.03	-8.05e-05	-0.18	0.0	-0.41	0.60	0.01	0.25	0.03	0.0
		0.0	0.02	4.62e-06	0.0	56.0	-0.41	0.42	0.01	0.25	0.02	0.29
199	88	0.29	0.03	-8.30e-05	-0.18	0.0	-0.40	0.60	0.01	0.25	0.03	0.0
		0.0	0.02	4.80e-06	0.0	56.0	-0.40	0.43	0.01	0.25	0.02	0.29

199	102	0.30	0.01	-7.03e-05	-0.18	0.0	-0.29	0.63	-8.71e-03	0.12	0.01	0.0
		0.0	6.55e-03	1.47e-06	0.0	56.0	-0.29	0.45	-8.71e-03	0.12	6.55e-03	0.30
199	104	0.30	0.02	-7.06e-05	-0.18	0.0	-0.32	0.62	-4.43e-03	0.14	0.02	0.0
		0.0	8.77e-03	2.41e-06	0.0	56.0	-0.32	0.45	-4.43e-03	0.14	8.77e-03	0.30
199	105	0.29	0.02	-7.85e-05	-0.18	0.0	-0.35	0.61	-5.35e-03	0.18	0.02	0.0
		0.0	0.01	2.89e-06	0.0	56.0	-0.35	0.44	-5.35e-03	0.18	0.01	0.29
199	106	0.30	0.02	-7.04e-05	-0.18	0.0	-0.30	0.62	-8.54e-03	0.13	0.02	0.0
		0.0	7.24e-03	1.99e-06	0.0	56.0	-0.30	0.45	-8.54e-03	0.13	7.24e-03	0.30
199	107	0.30	0.02	-7.83e-05	-0.18	0.0	-0.33	0.62	-9.46e-03	0.16	0.02	0.0
		0.0	9.09e-03	2.47e-06	0.0	56.0	-0.33	0.44	-9.46e-03	0.16	9.09e-03	0.30
199	112	0.0	0.04	5.22e-05	-0.18	0.0	-0.82	-0.16	-0.04	0.12	0.04	0.0
		-0.14	0.01	2.79e-04	0.0	56.0	-0.82	-0.33	-0.04	0.12	0.01	-0.14
199	115	0.73	5.11e-03	-2.09e-04	-0.18	0.0	0.16	1.39	0.02	0.21	-1.40e-03	0.0
		0.0	-1.40e-03	-2.74e-04	0.0	56.0	0.16	1.21	0.02	0.21	5.11e-03	0.73
199	121	7.27e-04	0.05	-2.46e-04	-0.18	0.0	-1.32	0.02	-0.07	0.10	0.05	0.0
		-0.04	0.01	2.64e-04	0.0	56.0	-1.32	-0.15	-0.07	0.10	0.01	-0.04
199	122	0.63	5.85e-03	8.93e-05	-0.18	0.0	0.66	1.21	0.05	0.22	-0.02	0.0
		0.0	-0.02	-2.59e-04	0.0	56.0	0.66	1.04	0.05	0.22	5.85e-03	0.63
199	133	0.31	0.09	-6.25e-05	-0.18	0.0	-1.13	0.64	-0.14	0.10	0.09	0.0
		0.0	8.88e-03	3.56e-05	0.0	56.0	-1.13	0.47	-0.14	0.10	8.88e-03	0.31
199	134	0.28	9.30e-03	-9.42e-05	-0.18	0.0	0.47	0.59	0.12	0.22	-0.05	0.0
		0.0	-0.05	-3.07e-05	0.0	56.0	0.47	0.41	0.12	0.22	9.30e-03	0.28
199	144	0.0	0.04	6.90e-05	-0.18	0.0	-0.89	-0.25	-0.05	0.11	0.04	0.0
		-0.19	0.01	3.15e-04	0.0	56.0	-0.89	-0.43	-0.05	0.11	0.01	-0.19
199	147	0.78	4.61e-03	-2.26e-04	-0.18	0.0	0.22	1.49	0.03	0.21	-4.05e-03	0.0
		0.0	-4.05e-03	-3.10e-04	0.0	56.0	0.22	1.31	0.03	0.21	4.61e-03	0.78
199	153	0.0	0.06	-2.70e-04	-0.18	0.0	-1.45	-0.06	-0.07	0.09	0.06	0.0
		-0.08	0.01	2.98e-04	0.0	56.0	-1.45	-0.23	-0.07	0.09	0.01	-0.08
199	154	0.67	5.42e-03	1.13e-04	-0.18	0.0	0.79	1.29	0.06	0.23	-0.02	0.0
		0.0	-0.02	-2.93e-04	0.0	56.0	0.79	1.12	0.06	0.23	5.42e-03	0.67
199	165	0.31	0.10	-5.99e-05	-0.18	0.0	-1.24	0.65	-0.15	0.09	0.10	0.0
		0.0	8.85e-03	3.93e-05	0.0	56.0	-1.24	0.47	-0.15	0.09	8.85e-03	0.31
199	166	0.28	9.33e-03	-9.68e-05	-0.18	0.0	0.57	0.59	0.13	0.23	-0.06	0.0
		0.0	-0.06	-3.43e-05	0.0	56.0	0.57	0.41	0.13	0.23	9.33e-03	0.28
199	176	0.0	0.04	7.99e-05	-0.18	0.0	-0.89	-0.26	-0.05	0.11	0.04	0.0
		-0.19	0.01	3.12e-04	0.0	56.0	-0.89	-0.43	-0.05	0.11	0.01	-0.19
199	179	0.79	4.60e-03	-2.37e-04	-0.18	0.0	0.23	1.49	0.03	0.21	-4.26e-03	0.0
		0.0	-4.26e-03	-3.07e-04	0.0	56.0	0.23	1.32	0.03	0.21	4.60e-03	0.79
199	185	0.0	0.06	-2.93e-04	-0.18	0.0	-1.48	-0.08	-0.07	0.09	0.06	0.0
		-0.10	0.01	3.02e-04	0.0	56.0	-1.48	-0.26	-0.07	0.09	0.01	-0.10
199	186	0.69	5.27e-03	1.37e-04	-0.18	0.0	0.82	1.32	0.05	0.23	-0.02	0.0
		0.0	-0.02	-2.97e-04	0.0	56.0	0.82	1.14	0.05	0.23	5.27e-03	0.69
199	197	0.32	0.10	-5.28e-05	-0.18	0.0	-1.22	0.65	-0.15	0.09	0.10	0.0
		0.0	8.84e-03	3.44e-05	0.0	56.0	-1.22	0.48	-0.15	0.09	8.84e-03	0.32
199	198	0.28	9.34e-03	-1.04e-04	-0.18	0.0	0.56	0.58	0.13	0.23	-0.06	0.0
		0.0	-0.06	-2.95e-05	0.0	56.0	0.56	0.41	0.13	0.23	9.34e-03	0.28
199	216	0.0	0.02	-3.34e-04	-0.18	0.0	-1.25	-0.43	1.60e-03	0.11	0.02	0.0
		-0.29	0.01	4.03e-04	0.0	56.0	-1.25	-0.60	1.60e-03	0.11	0.01	-0.29
199	217	0.0	0.06	-3.47e-04	-0.18	0.0	-1.72	-0.23	-0.08	0.07	0.06	0.0
		-0.18	0.01	3.62e-04	0.0	56.0	-1.72	-0.41	-0.08	0.07	0.01	-0.18
199	218	0.77	4.46e-03	1.90e-04	-0.18	0.0	1.05	1.47	0.06	0.25	-0.03	0.0
		0.0	-0.03	-3.57e-04	0.0	56.0	1.05	1.29	0.06	0.25	4.46e-03	0.77
199	219	0.88	0.02	1.77e-04	-0.18	0.0	0.59	1.66	-0.02	0.21	0.02	0.0
		0.0	3.41e-03	-3.98e-04	0.0	56.0	0.59	1.48	-0.02	0.21	3.41e-03	0.88
199	229	0.32	0.11	-4.32e-05	-0.18	0.0	-1.37	0.66	-0.17	0.08	0.11	0.0
		0.0	8.77e-03	3.67e-05	0.0	56.0	-1.37	0.49	-0.17	0.08	8.77e-03	0.32
199	230	0.27	9.41e-03	-1.13e-04	-0.18	0.0	0.71	0.57	0.15	0.24	-0.07	0.0
		0.0	-0.07	-3.18e-05	0.0	56.0	0.71	0.40	0.15	0.24	9.41e-03	0.27
200	16	0.40	8.99e-03	-7.15e-05	-0.23	0.0	-0.12	-0.16	-0.04	-0.06	8.99e-03	0.40
		0.25	-2.90e-03	0.0	0.0	56.0	-0.12	-0.39	-0.04	-0.06	-2.90e-03	0.25
200	18	0.40	0.01	-8.66e-05	-0.23	0.0	-0.17	-0.16	-0.05	-0.05	0.01	0.40
		0.24	-3.48e-03	0.0	0.0	56.0	-0.17	-0.39	-0.05	-0.05	-3.48e-03	0.24
200	19	0.31	6.28e-03	-4.97e-05	-0.18	0.0	-5.54e-03	-0.11	-0.04	-0.06	6.28e-03	0.31
		0.20	-2.36e-03	-1.56e-06	0.0	56.0	-5.54e-03	-0.28	-0.04	-0.06	-2.36e-03	0.20
200	28	0.38	0.01	-9.43e-05	-0.23	0.0	-0.73	-0.23	-3.68e-04	0.10	0.01	0.38
		0.19	3.56e-04	5.45e-06	0.0	56.0	-0.73	-0.45	-3.68e-04	0.10	3.56e-04	0.19
200	44	0.37	0.01	-8.80e-05	-0.23	0.0	-0.86	-0.25	0.02	0.15	0.01	0.37
		0.17	2.24e-03	6.02e-06	0.0	56.0	-0.86	-0.48	0.02	0.15	2.24e-03	0.17
200	48	0.28	0.01	-6.96e-05	-0.18	0.0	-0.75	-0.21	0.03	0.15	0.01	0.28
		0.12	2.60e-03	5.27e-06	0.0	56.0	-0.75	-0.38	0.03	0.15	2.60e-03	0.12
200	72	0.31	6.63e-03	-5.14e-05	-0.18	0.0	-0.11	-0.12	-0.03	-0.04	6.63e-03	0.31
		0.19	-1.88e-03	0.0	0.0	56.0	-0.11	-0.30	-0.03	-0.04	-1.88e-03	0.19
200	73	0.31	6.73e-03	-5.37e-05	-0.18	0.0	-0.12	-0.12	-0.03	-0.04	6.73e-03	0.31
		0.19	-2.00e-03	0.0	0.0	56.0	-0.12	-0.30	-0.03	-0.04	-2.00e-03	0.19
200	75	0.30	8.80e-03	-6.37e-05	-0.18	0.0	-0.16	-0.12	-0.03	-0.03	8.80e-03	0.30

		0.19	-2.38e-03	0.0	0.0	56.0	-0.16	-0.30	-0.03	-0.03	-2.38e-03	0.19
200	80	0.29	0.01	-6.89e-05	-0.18	0.0	-0.53	-0.17	-1.66e-03	0.07	0.01	0.29
		0.15	1.70e-04	3.84e-06	0.0	56.0	-0.53	-0.34	-1.66e-03	0.07	1.70e-04	0.15
200	88	0.29	9.96e-03	-6.47e-05	-0.18	0.0	-0.61	-0.19	0.01	0.10	9.96e-03	0.29
		0.14	1.43e-03	4.22e-06	0.0	56.0	-0.61	-0.36	0.01	0.10	1.43e-03	0.14
200	98	0.30	8.87e-03	-6.21e-05	-0.18	0.0	-0.35	-0.14	-0.02	9.94e-03	8.87e-03	0.30
		0.17	-1.18e-03	2.51e-06	0.0	56.0	-0.35	-0.32	-0.02	9.94e-03	-1.18e-03	0.17
200	102	0.30	6.77e-03	-5.19e-05	-0.18	0.0	-0.28	-0.14	-0.02	-1.13e-03	6.77e-03	0.30
		0.18	-1.02e-03	1.49e-06	0.0	56.0	-0.28	-0.31	-0.02	-1.13e-03	-1.02e-03	0.18
200	103	0.30	8.54e-03	-6.05e-05	-0.18	0.0	-0.31	-0.14	-0.02	6.08e-04	8.54e-03	0.30
		0.17	-1.34e-03	1.97e-06	0.0	56.0	-0.31	-0.31	-0.02	6.08e-04	-1.34e-03	0.17
200	105	0.29	8.78e-03	-6.07e-05	-0.18	0.0	-0.40	-0.15	-0.01	0.03	8.78e-03	0.29
		0.16	-5.82e-04	2.74e-06	0.0	56.0	-0.40	-0.32	-0.01	0.03	-5.82e-04	0.16
200	106	0.30	6.81e-03	-5.20e-05	-0.18	0.0	-0.32	-0.14	-0.01	7.91e-03	6.81e-03	0.30
		0.17	-8.02e-04	1.94e-06	0.0	56.0	-0.32	-0.32	-0.01	7.91e-03	-8.02e-04	0.17
200	107	0.30	8.58e-03	-6.07e-05	-0.18	0.0	-0.35	-0.14	-0.02	9.65e-03	8.58e-03	0.30
		0.17	-1.13e-03	2.43e-06	0.0	56.0	-0.35	-0.32	-0.02	9.65e-03	-1.13e-03	0.17
200	108	0.41	0.02	-2.13e-03	-0.18	0.0	-0.80	0.91	-0.03	0.01	0.02	-0.06
		-0.06	8.76e-04	2.60e-04	0.0	56.0	-0.80	0.73	-0.03	0.01	8.76e-04	0.41
200	112	0.46	0.02	-2.11e-03	-0.18	0.0	-0.70	1.14	-0.03	7.46e-03	0.02	-0.14
		-0.14	6.95e-04	2.80e-04	0.0	56.0	-0.70	0.96	-0.03	7.46e-03	6.95e-04	0.46
200	115	0.73	-3.21e-04	1.99e-03	-0.18	0.0	2.88e-03	-1.42	-5.22e-03	0.01	-3.21e-04	0.73
		-0.12	-2.95e-03	-2.75e-04	0.0	56.0	2.88e-03	-1.59	-5.22e-03	0.01	-2.95e-03	-0.12
200	122	0.63	2.22e-03	1.62e-04	-0.18	0.0	0.62	-1.11	-0.01	-8.12e-03	2.22e-03	0.63
		-0.05	-3.99e-03	-2.60e-04	0.0	56.0	0.62	-1.28	-0.01	-8.12e-03	-3.99e-03	-0.05
200	133	0.31	7.91e-03	-6.96e-04	-0.18	0.0	-1.76	-0.18	-0.01	0.04	7.91e-03	0.31
		0.16	1.02e-03	3.66e-05	0.0	56.0	-1.76	-0.35	-0.01	0.04	1.02e-03	0.16
200	134	0.28	9.24e-03	5.75e-04	-0.18	0.0	1.06	-0.10	-0.02	-0.03	9.24e-03	0.28
		0.18	-3.28e-03	-3.17e-05	0.0	56.0	1.06	-0.28	-0.02	-0.03	-3.28e-03	0.18
200	140	0.44	0.02	-2.39e-03	-0.18	0.0	-0.86	1.04	-0.03	0.01	0.02	-0.10
		-0.10	1.13e-03	2.93e-04	0.0	56.0	-0.86	0.86	-0.03	0.01	1.13e-03	0.44
200	144	0.50	0.02	-2.37e-03	-0.18	0.0	-0.75	1.30	-0.03	7.19e-03	0.02	-0.19
		-0.19	9.28e-04	3.15e-04	0.0	56.0	-0.75	1.13	-0.03	7.19e-03	9.28e-04	0.50
200	147	0.78	-1.46e-03	2.25e-03	-0.18	0.0	0.05	-1.58	-3.68e-03	0.01	-1.46e-03	0.78
		-0.16	-3.19e-03	-3.10e-04	0.0	56.0	0.05	-1.76	-3.68e-03	0.01	-3.19e-03	-0.16
200	154	0.67	1.38e-03	1.93e-04	-0.18	0.0	0.74	-1.24	-9.06e-03	-0.01	1.38e-03	0.67
		-0.08	-4.36e-03	-2.94e-04	0.0	56.0	0.74	-1.41	-9.06e-03	-0.01	-4.36e-03	-0.08
200	165	0.31	7.82e-03	-7.76e-04	-0.18	0.0	-1.93	-0.18	-0.01	0.05	7.82e-03	0.31
		0.16	1.29e-03	4.04e-05	0.0	56.0	-1.93	-0.36	-0.01	0.05	1.29e-03	0.16
200	166	0.28	9.34e-03	6.54e-04	-0.18	0.0	1.24	-0.10	-0.02	-0.03	9.34e-03	0.28
		0.18	-3.55e-03	-3.55e-05	0.0	56.0	1.24	-0.27	-0.02	-0.03	-3.55e-03	0.18
200	172	0.44	0.02	-2.32e-03	-0.18	0.0	-0.86	1.05	-0.03	9.62e-03	0.02	-0.10
		-0.10	1.14e-03	2.88e-04	0.0	56.0	-0.86	0.87	-0.03	9.62e-03	1.14e-03	0.44
200	176	0.50	0.02	-2.30e-03	-0.18	0.0	-0.75	1.31	-0.03	6.70e-03	0.02	-0.19
		-0.19	9.52e-04	3.12e-04	0.0	56.0	-0.75	1.14	-0.03	6.70e-03	9.52e-04	0.50
200	179	0.79	-1.53e-03	2.18e-03	-0.18	0.0	0.05	-1.59	-3.63e-03	0.01	-1.53e-03	0.79
		-0.16	-3.21e-03	-3.07e-04	0.0	56.0	0.05	-1.77	-3.63e-03	0.01	-3.21e-03	-0.16
200	186	0.69	1.08e-03	2.15e-04	-0.18	0.0	0.75	-1.28	-8.75e-03	-9.03e-03	1.08e-03	0.69
		-0.09	-4.42e-03	-2.98e-04	0.0	56.0	0.75	-1.46	-8.75e-03	-9.03e-03	-4.42e-03	-0.09
200	197	0.32	7.73e-03	-7.50e-04	-0.18	0.0	-1.91	-0.19	-0.01	0.05	7.73e-03	0.32
		0.16	1.27e-03	3.55e-05	0.0	56.0	-1.91	-0.37	-0.01	0.05	1.27e-03	0.16
200	198	0.28	9.43e-03	6.29e-04	-0.18	0.0	1.21	-0.09	-0.02	-0.03	9.43e-03	0.28
		0.18	-3.53e-03	-3.06e-05	0.0	56.0	1.21	-0.26	-0.02	-0.03	-3.53e-03	0.18
200	208	0.56	0.02	-2.66e-03	-0.18	0.0	-0.82	1.57	-0.03	5.94e-03	0.02	-0.28
		-0.28	1.33e-03	3.65e-04	0.0	56.0	-0.82	1.40	-0.03	5.94e-03	1.33e-03	0.56
200	216	0.55	0.02	-3.91e-04	-0.18	0.0	-0.73	1.57	-0.03	5.96e-03	0.02	-0.29
		-0.29	1.69e-03	4.04e-04	0.0	56.0	-0.73	1.39	-0.03	5.96e-03	1.69e-03	0.55
200	218	0.77	-5.12e-04	2.79e-04	-0.18	0.0	0.96	-1.53	-6.91e-03	-0.01	-5.12e-04	0.77
		-0.14	-5.08e-03	-3.58e-04	0.0	56.0	0.96	-1.70	-6.91e-03	-0.01	-5.08e-03	-0.14
200	219	0.88	-3.07e-03	2.70e-04	-0.18	0.0	0.04	-1.85	-2.06e-03	0.01	-3.07e-03	0.88
		-0.21	-3.94e-03	-3.99e-04	0.0	56.0	0.04	-2.02	-2.06e-03	0.01	-3.94e-03	-0.21
200	229	0.32	7.51e-03	-8.56e-04	-0.18	0.0	-2.16	-0.21	-0.01	0.05	7.51e-03	0.32
		0.16	1.67e-03	3.79e-05	0.0	56.0	-2.16	-0.38	-0.01	0.05	1.67e-03	0.16
200	230	0.27	9.65e-03	7.34e-04	-0.18	0.0	1.46	-0.07	-0.02	-0.03	9.65e-03	0.27
		0.18	-3.93e-03	-3.31e-05	0.0	56.0	1.46	-0.25	-0.02	-0.03	-3.93e-03	0.18
201	15	0.66	0.08	-3.16e-05	-0.24	0.0	-3.25	0.19	-0.35	2.99e-04	0.08	0.62
		0.62	-0.13	2.49e-05	0.0	60.0	-3.25	-0.06	-0.35	2.99e-04	-0.13	0.66
201	19	0.52	0.08	-2.44e-05	-0.19	0.0	-2.32	0.15	-0.34	1.93e-04	0.08	0.48
		0.48	-0.13	2.30e-05	0.0	60.0	-2.32	-0.04	-0.34	1.93e-04	-0.13	0.51
201	28	0.63	0.14	-3.06e-05	-0.24	0.0	-4.90	0.09	0.40	6.16e-04	-0.10	0.62
		0.60	-0.10	-1.36e-05	0.0	60.0	-4.90	-0.16	0.40	6.16e-04	0.14	0.60
201	36	0.47	0.14	-2.52e-05	-0.19	0.0	-3.17	0.12	0.41	3.60e-04	-0.10	0.45
		0.45	-0.10	-1.76e-05	0.0	60.0	-3.17	-0.06	0.41	3.60e-04	0.14	0.47
201	44	0.63	0.24	-3.15e-05	-0.24	0.0	-4.83	0.11	0.68	5.70e-04	-0.17	0.61
		0.61	-0.17	-3.00e-05	0.0	60.0	-4.83	-0.13	0.68	5.70e-04	0.24	0.61

201	45	0.50	0.24	-2.55e-05	-0.19	0.0	-3.21	0.15	0.68	2.83e-04	-0.17	0.47
		0.47	-0.17	-3.42e-05	0.0	60.0	-3.21	-0.04	0.68	2.83e-04	0.24	0.50
201	72	0.51	0.05	-2.44e-05	-0.19	0.0	-2.50	0.15	-0.23	2.26e-04	0.05	0.48
		0.48	-0.09	1.71e-05	0.0	60.0	-2.50	-0.04	-0.23	2.26e-04	-0.09	0.51
201	80	0.49	0.09	-2.37e-05	-0.19	0.0	-3.60	0.08	0.27	4.38e-04	-0.07	0.48
		0.47	-0.07	-8.51e-06	0.0	60.0	-3.60	-0.11	0.27	4.38e-04	0.09	0.47
201	81	0.48	0.09	-2.50e-05	-0.19	0.0	-3.07	0.13	0.27	3.38e-04	-0.07	0.46
		0.46	-0.07	-9.96e-06	0.0	60.0	-3.07	-0.06	0.27	3.38e-04	0.09	0.48
201	85	0.50	0.16	-2.51e-05	-0.19	0.0	-3.10	0.14	0.45	2.86e-04	-0.11	0.47
		0.47	-0.11	-2.10e-05	0.0	60.0	-3.10	-0.05	0.45	2.86e-04	0.16	0.50
201	88	0.49	0.16	-2.43e-05	-0.19	0.0	-3.56	0.10	0.45	4.07e-04	-0.11	0.47
		0.47	-0.11	-1.94e-05	0.0	60.0	-3.56	-0.09	0.45	4.07e-04	0.16	0.47
201	99	0.50	-3.12e-03	-2.46e-05	-0.19	0.0	-2.79	0.14	-3.20e-03	2.78e-04	-3.12e-03	0.47
		0.47	-5.04e-03	5.11e-06	0.0	60.0	-2.79	-0.05	-3.20e-03	2.78e-04	-5.04e-03	0.50
201	102	0.51	7.89e-03	-2.45e-05	-0.19	0.0	-2.72	0.14	-0.05	2.58e-04	7.89e-03	0.47
		0.47	-0.02	7.41e-06	0.0	60.0	-2.72	-0.05	-0.05	2.58e-04	-0.02	0.50
201	104	0.51	0.03	-2.47e-05	-0.19	0.0	-2.84	0.14	0.09	2.70e-04	-0.02	0.47
		0.47	-0.02	0.0	0.0	60.0	-2.84	-0.05	0.09	2.70e-04	0.03	0.50
201	105	0.50	0.03	-2.40e-05	-0.19	0.0	-3.19	0.11	0.09	3.48e-04	-0.03	0.48
		0.48	-0.03	0.0	0.0	60.0	-3.19	-0.08	0.09	3.48e-04	0.03	0.49
201	106	0.51	-3.07e-03	-2.46e-05	-0.19	0.0	-2.77	0.14	-3.15e-03	2.67e-04	-3.07e-03	0.47
		0.47	-4.96e-03	4.98e-06	0.0	60.0	-2.77	-0.05	-3.15e-03	2.67e-04	-4.96e-03	0.50
201	107	0.50	-3.89e-03	-2.39e-05	-0.19	0.0	-3.12	0.11	-3.98e-03	3.44e-04	-3.89e-03	0.48
		0.48	-6.27e-03	6.05e-06	0.0	60.0	-3.12	-0.08	-3.98e-03	3.44e-04	-6.27e-03	0.49
201	108	-0.07	0.02	7.39e-05	-0.19	0.0	0.76	-1.55	-0.07	-7.67e-03	0.02	-0.07
		-1.06	-0.03	3.25e-04	0.0	60.0	0.76	-1.73	-0.07	-7.67e-03	-0.03	-1.06
201	111	2.04	0.02	-1.22e-04	-0.19	0.0	-7.01	1.77	0.06	8.36e-03	-0.02	1.04
		1.04	-0.02	-3.13e-04	0.0	60.0	-7.01	1.58	0.06	8.36e-03	0.02	2.04
201	112	-0.20	0.02	7.84e-05	-0.19	0.0	0.70	-1.91	-0.07	-5.66e-03	0.02	-0.20
		-1.40	-0.03	3.57e-04	0.0	60.0	0.70	-2.10	-0.07	-5.66e-03	-0.03	-1.40
201	115	2.39	0.02	-1.26e-04	-0.19	0.0	-6.95	2.13	0.07	6.35e-03	-0.03	1.17
		1.17	-0.03	-3.45e-04	0.0	60.0	-6.95	1.94	0.07	6.35e-03	0.02	2.39
201	133	0.56	0.12	-4.51e-06	-0.19	0.0	-3.70	0.17	0.30	-4.99e-03	-0.06	0.52
		0.52	-0.06	3.37e-05	0.0	60.0	-3.70	-0.01	0.30	-4.99e-03	0.12	0.56
201	134	0.45	0.05	-4.42e-05	-0.19	0.0	-2.54	0.05	-0.31	5.68e-03	0.05	0.45
		0.42	-0.13	-2.16e-05	0.0	60.0	-2.54	-0.14	-0.31	5.68e-03	-0.13	0.42
201	140	-0.14	0.02	8.63e-05	-0.19	0.0	1.26	-1.76	-0.08	-8.68e-03	0.02	-0.14
		-1.25	-0.04	3.65e-04	0.0	60.0	1.26	-1.94	-0.08	-8.68e-03	-0.04	-1.25
201	143	2.24	0.02	-1.34e-04	-0.19	0.0	-7.50	1.98	0.07	9.36e-03	-0.03	1.11
		1.11	-0.03	-3.53e-04	0.0	60.0	-7.50	1.79	0.07	9.36e-03	0.02	2.24
201	144	-0.29	0.02	9.15e-05	-0.19	0.0	1.19	-2.17	-0.08	-6.41e-03	0.02	-0.29
		-1.64	-0.04	4.01e-04	0.0	60.0	1.19	-2.35	-0.08	-6.41e-03	-0.04	-1.64
201	147	2.63	0.02	-1.39e-04	-0.19	0.0	-7.44	2.39	0.08	7.10e-03	-0.03	1.25
		1.25	-0.03	-3.89e-04	0.0	60.0	-7.44	2.20	0.08	7.10e-03	0.02	2.63
201	165	0.57	0.13	-3.04e-06	-0.19	0.0	-3.78	0.18	0.34	-5.66e-03	-0.07	0.52
		0.52	-0.07	3.67e-05	0.0	60.0	-3.78	-4.26e-03	0.34	-5.66e-03	0.13	0.57
201	166	0.45	0.06	-4.67e-05	-0.19	0.0	-2.47	0.04	-0.35	6.35e-03	0.06	0.44
		0.41	-0.15	-2.45e-05	0.0	60.0	-2.47	-0.15	-0.35	6.35e-03	-0.15	0.41
201	172	-0.15	0.02	8.65e-05	-0.19	0.0	1.26	-1.76	-0.08	-8.32e-03	0.02	-0.15
		-1.26	-0.04	3.57e-04	0.0	60.0	1.26	-1.95	-0.08	-8.32e-03	-0.04	-1.26
201	175	2.24	0.02	-1.34e-04	-0.19	0.0	-7.51	1.98	0.07	9.00e-03	-0.03	1.11
		1.11	-0.03	-3.45e-04	0.0	60.0	-7.51	1.79	0.07	9.00e-03	0.02	2.24
201	176	-0.29	0.02	9.25e-05	-0.19	0.0	1.22	-2.18	-0.08	-6.11e-03	0.02	-0.29
		-1.65	-0.04	3.96e-04	0.0	60.0	1.22	-2.37	-0.08	-6.11e-03	-0.04	-1.65
201	179	2.64	0.02	-1.40e-04	-0.19	0.0	-7.46	2.40	0.07	6.79e-03	-0.03	1.26
		1.26	-0.03	-3.84e-04	0.0	60.0	-7.46	2.21	0.07	6.79e-03	0.02	2.64
201	197	0.58	0.13	-3.90e-06	-0.19	0.0	-3.80	0.20	0.34	-5.47e-03	-0.07	0.53
		0.53	-0.07	3.01e-05	0.0	60.0	-3.80	8.08e-03	0.34	-5.47e-03	0.13	0.58
201	198	0.44	0.06	-4.52e-05	-0.19	0.0	-2.44	0.02	-0.34	6.16e-03	0.06	0.44
		0.40	-0.14	-1.80e-05	0.0	60.0	-2.44	-0.16	-0.34	6.16e-03	-0.14	0.40
201	204	-0.26	0.02	1.06e-04	-0.19	0.0	2.04	-2.09	-0.09	-9.64e-03	0.02	-0.26
		-1.57	-0.04	4.15e-04	0.0	60.0	2.04	-2.28	-0.09	-9.64e-03	-0.04	-1.57
201	207	2.55	0.03	-1.54e-04	-0.19	0.0	-8.28	2.31	0.08	0.01	-0.03	1.22
		1.22	-0.03	-4.03e-04	0.0	60.0	-8.28	2.12	0.08	0.01	0.03	2.55
201	216	-0.44	0.02	1.28e-04	-0.19	0.0	1.81	-2.61	-0.10	0.01	0.02	-0.44
		-2.06	-0.04	5.12e-04	0.0	60.0	1.81	-2.80	-0.10	0.01	-0.04	-2.06
201	219	3.04	0.03	-1.75e-04	-0.19	0.0	-8.06	2.83	0.09	-0.01	-0.03	1.40
		1.40	-0.03	-5.00e-04	0.0	60.0	-8.06	2.64	0.09	-0.01	0.03	3.04
201	229	0.61	0.15	-2.43e-06	-0.19	0.0	-3.94	0.22	0.39	-6.42e-03	-0.08	0.54
		0.54	-0.08	3.08e-05	0.0	60.0	-3.94	0.03	0.39	-6.42e-03	0.15	0.61
201	230	0.43	0.07	-4.80e-05	-0.19	0.0	-2.30	-1.57e-03	-0.40	7.11e-03	0.07	0.43
		0.38	-0.17	-1.87e-05	0.0	60.0	-2.30	-0.19	-0.40	7.11e-03	-0.17	0.38
202	19	0.23	-5.26e-03	-1.49e-05	-0.09	0.0	0.40	0.09	-0.05	-0.10	-5.26e-03	0.22
		0.22	-0.02	0.0	0.0	30.0	0.40	-1.52e-03	-0.05	-0.10	-0.02	0.23
202	21	0.23	-5.32e-03	-2.44e-05	-0.09	0.0	0.37	0.07	-0.05	-0.10	-5.32e-03	0.22

		0.22	-0.02	0.0	0.0	30.0	0.37	-0.02	-0.05	-0.10	-0.02	0.23
202	33	0.31	0.02	-2.70e-05	-0.12	0.0	-0.68	0.11	0.07	0.12	6.12e-03	0.30
		0.30	6.12e-03	1.81e-06	0.0	30.0	-0.68	-0.01	0.07	0.12	0.02	0.31
202	44	0.30	0.03	-3.54e-05	-0.12	0.0	-0.97	0.08	0.11	0.20	0.01	0.30
		0.30	0.01	2.45e-06	0.0	30.0	-0.97	-0.04	0.11	0.20	0.03	0.30
202	72	0.23	-3.57e-03	-1.62e-05	-0.09	0.0	0.21	0.09	-0.03	-0.07	-3.57e-03	0.22
		0.22	-0.01	0.0	0.0	30.0	0.21	-4.74e-03	-0.03	-0.07	-0.01	0.23
202	74	0.23	-3.61e-03	-2.25e-05	-0.09	0.0	0.19	0.08	-0.03	-0.07	-3.61e-03	0.22
		0.22	-9.84e-03	0.0	0.0	30.0	0.19	-0.02	-0.03	-0.07	-9.84e-03	0.23
202	81	0.24	0.01	-1.97e-05	-0.09	0.0	-0.47	0.08	0.04	0.08	4.06e-03	0.23
		0.23	4.06e-03	1.29e-06	0.0	30.0	-0.47	-9.95e-03	0.04	0.08	0.01	0.24
202	88	0.23	0.02	-2.53e-05	-0.09	0.0	-0.67	0.07	0.07	0.13	6.88e-03	0.23
		0.23	6.88e-03	1.72e-06	0.0	30.0	-0.67	-0.03	0.07	0.13	0.02	0.23
202	99	0.24	7.53e-04	-1.74e-05	-0.09	0.0	-0.18	0.09	2.69e-03	1.44e-04	-1.80e-04	0.22
		0.22	-1.80e-04	0.0	0.0	30.0	-0.18	-7.68e-03	2.69e-03	1.44e-04	7.53e-04	0.24
202	102	0.23	-8.54e-04	-1.68e-05	-0.09	0.0	-0.09	0.09	-4.74e-03	-0.01	-8.54e-04	0.22
		0.22	-1.46e-03	0.0	0.0	30.0	-0.09	-7.39e-03	-4.74e-03	-0.01	-1.46e-03	0.23
202	103	0.23	-8.87e-04	-2.22e-05	-0.09	0.0	-0.12	0.08	-3.84e-03	-0.01	-8.87e-04	0.22
		0.22	-1.20e-03	0.0	0.0	30.0	-0.12	-0.02	-3.84e-03	-0.01	-1.20e-03	0.23
202	105	0.23	5.13e-03	-2.26e-05	-0.09	0.0	-0.28	0.07	0.02	0.03	1.22e-03	0.22
		0.22	1.22e-03	1.09e-06	0.0	30.0	-0.28	-0.02	0.02	0.03	5.13e-03	0.23
202	106	0.23	7.10e-04	-1.70e-05	-0.09	0.0	-0.17	0.09	2.53e-03	1.22e-04	-1.74e-04	0.22
		0.22	-1.74e-04	0.0	0.0	30.0	-0.17	-8.05e-03	2.53e-03	1.22e-04	7.10e-04	0.23
202	107	0.23	9.71e-04	-2.24e-05	-0.09	0.0	-0.19	0.08	3.42e-03	1.85e-04	-2.07e-04	0.22
		0.22	-2.07e-04	0.0	0.0	30.0	-0.19	-0.02	3.42e-03	1.85e-04	9.71e-04	0.23
202	108	0.38	1.70e-03	2.19e-05	-0.09	0.0	1.54	1.61	-0.02	-0.01	1.70e-03	-0.09
		-0.09	-3.84e-03	1.39e-04	0.0	30.0	1.54	1.52	-0.02	-0.01	-3.84e-03	0.38
202	111	0.53	5.78e-03	-6.67e-05	-0.09	0.0	-1.92	-1.46	0.03	0.01	-2.11e-03	0.53
		0.08	-2.11e-03	-1.37e-04	0.0	30.0	-1.92	-1.56	0.03	0.01	5.78e-03	0.08
202	112	0.42	1.58e-03	2.95e-05	-0.09	0.0	1.46	1.95	-0.02	-0.01	1.58e-03	-0.16
		-0.16	-3.47e-03	1.50e-04	0.0	30.0	1.46	1.86	-0.02	-0.01	-3.47e-03	0.42
202	115	0.60	5.41e-03	-7.43e-05	-0.09	0.0	-1.84	-1.80	0.02	0.01	-1.99e-03	0.60
		0.04	-1.99e-03	-1.48e-04	0.0	30.0	-1.84	-1.90	0.02	0.01	5.41e-03	0.04
202	128	0.24	1.86e-03	-5.12e-05	-0.09	0.0	2.45	-5.16e-03	-0.02	-0.02	1.86e-03	0.24
		0.22	-3.58e-03	3.12e-05	0.0	30.0	2.45	-0.10	-0.02	-0.02	-3.58e-03	0.22
202	131	0.25	5.52e-03	6.34e-06	-0.09	0.0	-2.84	0.16	0.03	0.02	-2.27e-03	0.21
		0.21	-2.27e-03	-2.93e-05	0.0	30.0	-2.84	0.06	0.03	0.02	5.52e-03	0.25
202	144	0.44	1.81e-03	3.61e-05	-0.09	0.0	1.67	2.19	-0.02	-0.01	1.81e-03	-0.20
		-0.20	-4.03e-03	1.69e-04	0.0	30.0	1.67	2.10	-0.02	-0.01	-4.03e-03	0.44
202	147	0.65	5.97e-03	-8.10e-05	-0.09	0.0	-2.05	-2.04	0.03	0.01	-2.22e-03	0.65
		0.02	-2.22e-03	-1.67e-04	0.0	30.0	-2.05	-2.14	0.03	0.01	5.97e-03	0.02
202	148	0.39	1.83e-03	-9.05e-05	-0.09	0.0	1.94	1.71	-0.02	-5.29e-03	1.83e-03	-0.11
		-0.11	-4.47e-03	1.64e-04	0.0	30.0	1.94	1.62	-0.02	-5.29e-03	-4.47e-03	0.39
202	151	0.55	6.41e-03	4.57e-05	-0.09	0.0	-2.32	-1.56	0.03	5.66e-03	-2.24e-03	0.55
		0.07	-2.24e-03	-1.62e-04	0.0	30.0	-2.32	-1.66	0.03	5.66e-03	6.41e-03	0.07
202	160	0.24	2.11e-03	-5.50e-05	-0.09	0.0	2.79	-0.01	-0.02	-0.03	2.11e-03	0.24
		0.22	-4.15e-03	3.50e-05	0.0	30.0	2.79	-0.11	-0.02	-0.03	-4.15e-03	0.22
202	163	0.25	6.09e-03	1.02e-05	-0.09	0.0	-3.17	0.16	0.03	0.03	-2.53e-03	0.21
		0.21	-2.53e-03	-3.31e-05	0.0	30.0	-3.17	0.07	0.03	0.03	6.09e-03	0.25
202	176	0.44	1.81e-03	4.04e-05	-0.09	0.0	1.67	2.21	-0.02	-0.01	1.81e-03	-0.21
		-0.21	-4.06e-03	1.67e-04	0.0	30.0	1.67	2.11	-0.02	-0.01	-4.06e-03	0.44
202	179	0.65	6.00e-03	-8.52e-05	-0.09	0.0	-2.05	-2.06	0.03	0.01	-2.23e-03	0.65
		0.02	-2.23e-03	-1.65e-04	0.0	30.0	-2.05	-2.15	0.03	0.01	6.00e-03	0.02
202	180	0.40	1.87e-03	-9.90e-05	-0.09	0.0	1.97	1.78	-0.02	-5.47e-03	1.87e-03	-0.12
		-0.12	-4.61e-03	1.67e-04	0.0	30.0	1.97	1.69	-0.02	-5.47e-03	-4.61e-03	0.40
202	183	0.57	6.55e-03	5.42e-05	-0.09	0.0	-2.35	-1.63	0.03	5.84e-03	-2.28e-03	0.57
		0.07	-2.28e-03	-1.65e-04	0.0	30.0	-2.35	-1.72	0.03	5.84e-03	6.55e-03	0.07
202	192	0.24	2.09e-03	-5.72e-05	-0.09	0.0	2.74	-5.86e-03	-0.02	-0.03	2.09e-03	0.24
		0.22	-4.13e-03	3.39e-05	0.0	30.0	2.74	-0.10	-0.02	-0.03	-4.13e-03	0.22
202	195	0.25	6.07e-03	1.23e-05	-0.09	0.0	-3.13	0.16	0.03	0.03	-2.50e-03	0.21
		0.21	-2.50e-03	-3.20e-05	0.0	30.0	-3.13	0.06	0.03	0.03	6.07e-03	0.25
202	212	0.43	2.28e-03	-1.18e-04	-0.09	0.0	2.38	2.14	-0.03	-6.47e-03	2.28e-03	-0.19
		-0.19	-5.72e-03	2.00e-04	0.0	30.0	2.38	2.05	-0.03	-6.47e-03	-5.72e-03	0.43
202	215	0.64	7.67e-03	7.30e-05	-0.09	0.0	-2.76	-1.99	0.03	6.84e-03	-2.69e-03	0.64
		0.03	-2.69e-03	-1.98e-04	0.0	30.0	-2.76	-2.09	0.03	6.84e-03	7.67e-03	0.03
202	216	0.48	2.14e-03	-1.09e-04	-0.09	0.0	2.29	2.61	-0.03	-8.13e-03	2.14e-03	-0.29
		-0.29	-5.29e-03	2.16e-04	0.0	30.0	2.29	2.52	-0.03	-8.13e-03	-5.29e-03	0.48
202	219	0.74	7.23e-03	6.42e-05	-0.09	0.0	-2.68	-2.46	0.03	8.50e-03	-2.56e-03	0.74
		-0.02	-2.56e-03	-2.15e-04	0.0	30.0	-2.68	-2.55	0.03	8.50e-03	7.23e-03	-0.02
202	224	0.24	2.48e-03	-6.45e-05	-0.09	0.0	3.23	-9.82e-03	-0.03	-0.03	2.48e-03	0.24
		0.22	-5.01e-03	4.02e-05	0.0	30.0	3.23	-0.10	-0.03	-0.03	-5.01e-03	0.22
202	227	0.25	6.95e-03	1.97e-05	-0.09	0.0	-3.61	0.16	0.03	0.03	-2.89e-03	0.21
		0.21	-2.89e-03	-3.83e-05	0.0	30.0	-3.61	0.07	0.03	0.03	6.95e-03	0.25
203	19	0.23	-5.56e-03	-1.23e-05	-0.09	0.0	0.09	-8.24e-03	0.02	-0.03	-0.01	0.23
		0.22	-0.01	0.0	0.0	30.0	0.09	-0.10	0.02	-0.03	-5.56e-03	0.22

203	21	0.23	-5.66e-03	-2.18e-05	-0.09	0.0	0.09	-0.03	0.02	-0.03	-0.01	0.23
		0.21	-0.01	0.0	0.0	30.0	0.09	-0.12	0.02	-0.03	-5.66e-03	0.21
203	31	0.23	0.02	-2.78e-05	-0.09	0.0	-0.13	-0.06	-0.04	0.02	0.02	0.23
		0.20	6.44e-03	1.88e-06	0.0	30.0	-0.13	-0.15	-0.04	0.02	6.44e-03	0.20
203	33	0.31	0.02	-2.34e-05	-0.12	0.0	-0.17	-0.04	-0.04	0.02	0.02	0.31
		0.28	6.47e-03	1.88e-06	0.0	30.0	-0.17	-0.16	-0.04	0.02	6.47e-03	0.28
203	42	0.31	0.03	-2.22e-05	-0.12	0.0	-0.22	-0.05	-0.05	0.04	0.03	0.31
		0.28	0.01	2.16e-06	0.0	30.0	-0.22	-0.17	-0.05	0.04	0.01	0.28
203	44	0.30	0.03	-3.18e-05	-0.12	0.0	-0.22	-0.06	-0.06	0.04	0.03	0.30
		0.26	0.01	2.51e-06	0.0	30.0	-0.22	-0.19	-0.06	0.04	0.01	0.26
203	72	0.23	-3.77e-03	-1.35e-05	-0.09	0.0	0.05	-0.01	0.01	-0.02	-8.84e-03	0.23
		0.22	-8.84e-03	0.0	0.0	30.0	0.05	-0.11	0.01	-0.02	-3.77e-03	0.22
203	74	0.23	-3.84e-03	-1.99e-05	-0.09	0.0	0.05	-0.03	0.01	-0.02	-8.50e-03	0.23
		0.21	-8.50e-03	0.0	0.0	30.0	0.05	-0.12	0.01	-0.02	-3.84e-03	0.21
203	79	0.23	0.01	-2.39e-05	-0.09	0.0	-0.10	-0.05	-0.03	0.01	0.01	0.23
		0.20	4.23e-03	1.56e-06	0.0	30.0	-0.10	-0.14	-0.03	0.01	4.23e-03	0.20
203	81	0.24	0.01	-1.69e-05	-0.09	0.0	-0.12	-0.03	-0.02	0.01	0.01	0.24
		0.22	4.30e-03	1.35e-06	0.0	30.0	-0.12	-0.12	-0.02	0.01	4.30e-03	0.22
203	86	0.24	0.02	-1.62e-05	-0.09	0.0	-0.15	-0.03	-0.04	0.03	0.02	0.24
		0.21	7.31e-03	1.53e-06	0.0	30.0	-0.15	-0.13	-0.04	0.03	7.31e-03	0.21
203	88	0.23	0.02	-2.26e-05	-0.09	0.0	-0.15	-0.04	-0.04	0.02	0.02	0.23
		0.21	7.24e-03	1.77e-06	0.0	30.0	-0.15	-0.14	-0.04	0.02	7.24e-03	0.21
203	98	0.23	1.17e-03	-2.06e-05	-0.09	0.0	-0.04	-0.03	-6.44e-03	-5.42e-03	1.17e-03	0.23
		0.21	-2.33e-04	1.10e-06	0.0	30.0	-0.04	-0.13	-6.44e-03	-5.42e-03	-2.33e-04	0.21
203	99	0.24	8.75e-04	-1.47e-05	-0.09	0.0	-0.04	-0.02	-4.90e-03	-4.32e-03	8.75e-04	0.24
		0.21	-1.71e-04	0.0	0.0	30.0	-0.04	-0.12	-4.90e-03	-4.32e-03	-1.71e-04	0.21
203	102	0.23	-8.85e-04	-1.41e-05	-0.09	0.0	-0.02	-0.02	-1.14e-03	-7.23e-03	-1.10e-03	0.23
		0.21	-1.10e-03	0.0	0.0	30.0	-0.02	-0.11	-1.14e-03	-7.23e-03	-8.85e-04	0.21
203	103	0.23	-8.13e-04	-1.96e-05	-0.09	0.0	-0.02	-0.03	-2.63e-03	-8.22e-03	-8.13e-04	0.23
		0.21	-9.44e-04	0.0	0.0	30.0	-0.02	-0.12	-2.63e-03	-8.22e-03	-9.44e-04	0.21
203	104	0.23	4.52e-03	-1.44e-05	-0.09	0.0	-0.06	-0.02	-0.01	1.64e-03	4.52e-03	0.23
		0.21	1.33e-03	0.0	0.0	30.0	-0.06	-0.12	-0.01	1.64e-03	1.33e-03	0.21
203	105	0.23	4.80e-03	-1.99e-05	-0.09	0.0	-0.06	-0.03	-0.01	6.51e-04	4.80e-03	0.23
		0.21	1.28e-03	1.19e-06	0.0	30.0	-0.06	-0.13	-0.01	6.51e-04	1.28e-03	0.21
203	106	0.23	8.31e-04	-1.43e-05	-0.09	0.0	-0.04	-0.02	-4.70e-03	-4.26e-03	8.31e-04	0.23
		0.21	-1.65e-04	0.0	0.0	30.0	-0.04	-0.12	-4.70e-03	-4.26e-03	-1.65e-04	0.21
203	107	0.23	1.12e-03	-1.97e-05	-0.09	0.0	-0.04	-0.03	-6.19e-03	-5.25e-03	1.12e-03	0.23
		0.21	-2.23e-04	1.06e-06	0.0	30.0	-0.04	-0.13	-6.19e-03	-5.25e-03	-2.23e-04	0.21
203	109	0.95	-5.63e-04	-1.46e-03	-0.09	0.0	-2.14	1.83	6.91e-03	-0.01	-2.38e-03	0.42
		0.42	-2.38e-03	1.48e-04	0.0	30.0	-2.14	1.73	6.91e-03	-0.01	-5.63e-04	0.95
203	110	0.04	4.62e-03	1.42e-03	-0.09	0.0	2.06	-1.89	-0.02	2.55e-03	4.62e-03	0.04
		-0.54	1.17e-04	-1.46e-04	0.0	30.0	2.06	-1.99	-0.02	2.55e-03	1.17e-04	-0.54
203	120	0.91	-7.73e-04	-7.52e-05	-0.09	0.0	-1.90	1.73	7.52e-03	5.90e-03	-3.40e-03	0.41
		0.41	-3.40e-03	1.56e-04	0.0	30.0	-1.90	1.64	7.52e-03	5.90e-03	-7.73e-04	0.91
203	121	0.78	-6.40e-04	-8.28e-05	-0.09	0.0	-2.55	1.40	4.22e-03	3.24e-03	-2.40e-03	0.37
		0.37	-2.40e-03	1.43e-04	0.0	30.0	-2.55	1.31	4.22e-03	3.24e-03	-6.40e-04	0.78
203	122	0.09	4.64e-03	4.33e-05	-0.09	0.0	2.47	-1.46	-0.02	-0.01	4.64e-03	0.09
		-0.36	1.94e-04	-1.41e-04	0.0	30.0	2.47	-1.56	-0.02	-0.01	1.94e-04	-0.36
203	123	0.06	5.64e-03	3.58e-05	-0.09	0.0	1.82	-1.80	-0.02	-0.02	5.64e-03	0.06
		-0.50	3.27e-04	-1.54e-04	0.0	30.0	1.82	-1.89	-0.02	-0.02	3.27e-04	-0.50
203	141	1.05	-6.07e-04	-1.64e-03	-0.09	0.0	-2.41	2.07	8.57e-03	-0.01	-2.82e-03	0.44
		0.44	-2.82e-03	1.66e-04	0.0	30.0	-2.41	1.97	8.57e-03	-0.01	-6.07e-04	1.05
203	142	0.02	5.06e-03	1.60e-03	-0.09	0.0	2.33	-2.13	-0.02	3.53e-03	5.06e-03	0.02
		-0.63	1.61e-04	-1.64e-04	0.0	30.0	2.33	-2.22	-0.02	3.53e-03	1.61e-04	-0.63
203	152	1.01	-8.42e-04	-8.32e-05	-0.09	0.0	-2.15	1.97	9.33e-03	7.29e-03	-4.00e-03	0.43
		0.43	-4.00e-03	1.76e-04	0.0	30.0	-2.15	1.87	9.33e-03	7.29e-03	-8.42e-04	1.01
203	153	0.86	-6.93e-04	-9.16e-05	-0.09	0.0	-2.88	1.59	5.62e-03	4.30e-03	-2.87e-03	0.39
		0.39	-2.87e-03	1.62e-04	0.0	30.0	-2.88	1.50	5.62e-03	4.30e-03	-6.93e-04	0.86
203	154	0.07	5.11e-03	5.22e-05	-0.09	0.0	2.80	-1.65	-0.02	-0.01	5.11e-03	0.07
		-0.44	2.47e-04	-1.60e-04	0.0	30.0	2.80	-1.75	-0.02	-0.01	2.47e-04	-0.44
203	155	0.03	6.24e-03	4.37e-05	-0.09	0.0	2.07	-2.03	-0.02	-0.02	6.24e-03	0.03
		-0.59	3.96e-04	-1.74e-04	0.0	30.0	2.07	-2.12	-0.02	-0.02	3.96e-04	-0.59
203	173	1.05	-6.03e-04	-1.59e-03	-0.09	0.0	-2.43	2.08	8.59e-03	-0.01	-2.83e-03	0.44
		0.44	-2.83e-03	1.65e-04	0.0	30.0	-2.43	1.98	8.59e-03	-0.01	-6.03e-04	1.05
203	174	0.02	5.07e-03	1.55e-03	-0.09	0.0	2.35	-2.14	-0.02	3.15e-03	5.07e-03	0.02
		-0.64	1.57e-04	-1.63e-04	0.0	30.0	2.35	-2.24	-0.02	3.15e-03	1.57e-04	-0.64
203	184	1.04	-8.31e-04	-9.14e-05	-0.09	0.0	-2.25	2.04	9.84e-03	6.94e-03	-4.18e-03	0.44
		0.44	-4.18e-03	1.80e-04	0.0	30.0	-2.25	1.95	9.84e-03	6.94e-03	-8.31e-04	1.04
203	185	0.88	-6.93e-04	-9.91e-05	-0.09	0.0	-2.98	1.65	6.18e-03	4.09e-03	-3.05e-03	0.40
		0.40	-3.05e-03	1.64e-04	0.0	30.0	-2.98	1.56	6.18e-03	4.09e-03	-6.93e-04	0.88
203	186	0.06	5.29e-03	5.97e-05	-0.09	0.0	2.89	-1.72	-0.02	-0.01	5.29e-03	0.06
		-0.47	2.47e-04	-1.62e-04	0.0	30.0	2.89	-1.81	-0.02	-0.01	2.47e-04	-0.47
203	187	0.02	6.42e-03	5.20e-05	-0.09	0.0	2.17	-2.11	-0.02	-0.02	6.42e-03	0.02
		-0.62	3.86e-04	-1.78e-04	0.0	30.0	2.17	-2.20	-0.02	-0.02	3.86e-04	-0.62
203	213	1.21	-6.77e-04	-1.09e-04	-0.09	0.0	-3.43	2.48	0.01	9.96e-03	-4.04e-03	0.48

		0.48	-4.04e-03	2.13e-04	0.0	30.0	-3.43	2.38	0.01	9.96e-03	-6.77e-04	1.21
203	214	-0.02	6.28e-03	6.97e-05	-0.09	0.0	3.35	-2.54	-0.03	-0.02	6.28e-03	-0.02
		-0.80	2.32e-04	-2.11e-04	0.0	30.0	3.35	-2.63	-0.03	-0.02	2.32e-04	-0.80
203	216	1.21	-9.45e-04	-1.10e-04	-0.09	0.0	-2.73	2.48	0.01	9.12e-03	-5.27e-03	0.48
		0.48	-5.27e-03	2.16e-04	0.0	30.0	-2.73	2.38	0.01	9.12e-03	-9.45e-04	1.21
203	217	1.02	-7.84e-04	-1.18e-04	-0.09	0.0	-3.58	2.01	8.86e-03	5.82e-03	-3.94e-03	0.43
		0.43	-3.94e-03	1.97e-04	0.0	30.0	-3.58	1.92	8.86e-03	5.82e-03	-7.84e-04	1.02
203	218	0.03	6.18e-03	7.85e-05	-0.09	0.0	3.50	-2.08	-0.02	-0.02	6.18e-03	0.03
		-0.61	3.38e-04	-1.94e-04	0.0	30.0	3.50	-2.17	-0.02	-0.02	3.38e-04	-0.61
203	219	-0.02	7.51e-03	7.00e-05	-0.09	0.0	2.65	-2.54	-0.03	-0.02	7.51e-03	-0.02
		-0.79	4.99e-04	-2.14e-04	0.0	30.0	2.65	-2.63	-0.03	-0.02	4.99e-04	-0.79
204	3	0.63	0.04	-7.06e-05	-0.24	0.0	-2.88	0.26	0.04	5.18e-04	0.01	0.55
		0.55	0.01	5.12e-06	0.0	60.0	-2.88	0.01	0.04	5.18e-04	0.04	0.63
204	19	0.41	0.07	-5.37e-05	-0.19	0.0	-0.83	0.31	0.07	1.93e-04	0.03	0.28
		0.28	0.03	-4.79e-06	0.0	60.0	-0.83	0.12	0.07	1.93e-04	0.07	0.41
204	28	0.61	-0.05	-7.08e-05	-0.24	0.0	-3.46	0.28	-0.08	6.16e-04	-0.05	0.51
		0.51	-0.10	2.32e-05	0.0	60.0	-3.46	0.03	-0.08	6.16e-04	-0.10	0.61
204	36	0.38	-0.04	-5.36e-05	-0.19	0.0	-1.70	0.34	-0.08	3.60e-04	-0.04	0.24
		0.24	-0.09	1.81e-05	0.0	60.0	-1.70	0.15	-0.08	3.60e-04	-0.09	0.38
204	44	0.58	-0.07	-7.07e-05	-0.24	0.0	-3.19	0.33	-0.14	5.70e-04	-0.07	0.46
		0.46	-0.16	2.96e-05	0.0	60.0	-3.19	0.08	-0.14	5.70e-04	-0.16	0.58
204	67	0.47	0.03	-5.43e-05	-0.19	0.0	-2.04	0.22	0.03	3.72e-04	8.80e-03	0.40
		0.40	8.80e-03	4.08e-06	0.0	60.0	-2.04	0.03	0.03	3.72e-04	0.03	0.47
204	72	0.41	0.05	-5.38e-05	-0.19	0.0	-1.03	0.31	0.05	2.26e-04	0.02	0.29
		0.29	0.02	-1.40e-06	0.0	60.0	-1.03	0.12	0.05	2.26e-04	0.05	0.41
204	80	0.46	-0.03	-5.43e-05	-0.19	0.0	-2.42	0.23	-0.06	4.38e-04	-0.03	0.38
		0.38	-0.06	1.61e-05	0.0	60.0	-2.42	0.04	-0.06	4.38e-04	-0.06	0.46
204	81	0.40	-0.03	-5.37e-05	-0.19	0.0	-1.61	0.33	-0.06	3.38e-04	-0.03	0.25
		0.25	-0.06	1.43e-05	0.0	60.0	-1.61	0.14	-0.06	3.38e-04	-0.06	0.40
204	88	0.44	-0.05	-5.43e-05	-0.19	0.0	-2.24	0.26	-0.09	4.07e-04	-0.05	0.34
		0.34	-0.10	2.04e-05	0.0	60.0	-2.24	0.08	-0.09	4.07e-04	-0.10	0.44
204	98	0.45	-3.57e-03	-5.42e-05	-0.19	0.0	-1.91	0.25	8.05e-04	3.57e-04	-4.05e-03	0.36
		0.36	-4.05e-03	7.65e-06	0.0	60.0	-1.91	0.06	8.05e-04	3.57e-04	-3.57e-03	0.45
204	99	0.41	-2.80e-03	-5.38e-05	-0.19	0.0	-1.31	0.32	7.02e-04	2.78e-04	-3.22e-03	0.27
		0.27	-3.22e-03	6.22e-06	0.0	60.0	-1.31	0.13	7.02e-04	2.78e-04	-2.80e-03	0.41
204	102	0.41	7.37e-03	-5.38e-05	-0.19	0.0	-1.22	0.31	0.01	2.58e-04	1.23e-03	0.28
		0.28	1.23e-03	4.65e-06	0.0	60.0	-1.22	0.12	0.01	2.58e-04	7.37e-03	0.41
204	105	0.44	-0.01	-5.42e-05	-0.19	0.0	-1.86	0.26	-0.02	3.48e-04	-0.01	0.34
		0.34	-0.02	9.90e-06	0.0	60.0	-1.86	0.07	-0.02	3.48e-04	-0.02	0.44
204	106	0.41	-2.76e-03	-5.38e-05	-0.19	0.0	-1.27	0.31	6.98e-04	2.67e-04	-3.18e-03	0.28
		0.28	-3.18e-03	6.07e-06	0.0	60.0	-1.27	0.13	6.98e-04	2.67e-04	-2.76e-03	0.41
204	107	0.44	-3.45e-03	-5.41e-05	-0.19	0.0	-1.82	0.26	7.90e-04	3.44e-04	-3.93e-03	0.35
		0.35	-3.93e-03	7.42e-06	0.0	60.0	-1.82	0.07	7.90e-04	3.44e-04	-3.45e-03	0.44
204	109	2.53	-0.02	5.95e-05	-0.19	0.0	-4.78	-2.36	-0.01	-5.60e-03	-0.02	2.53
		1.06	-0.04	3.55e-04	0.0	60.0	-4.78	-2.55	-0.01	-5.60e-03	-0.04	1.06
204	110	-0.17	0.03	-1.68e-04	-0.19	0.0	1.15	2.88	0.01	6.29e-03	0.01	-1.84
		-1.84	0.01	-3.40e-04	0.0	60.0	1.15	2.69	0.01	6.29e-03	0.03	-0.17
204	113	2.13	-0.02	5.53e-05	-0.19	0.0	-4.88	-1.89	-0.01	-7.61e-03	-0.02	2.13
		0.95	-0.04	3.24e-04	0.0	60.0	-4.88	-2.07	-0.01	-7.61e-03	-0.04	0.95
204	114	-0.06	0.03	-1.64e-04	-0.19	0.0	1.25	2.40	0.01	8.30e-03	0.01	-1.44
		-1.44	0.01	-3.09e-04	0.0	60.0	1.25	2.22	0.01	8.30e-03	0.03	-0.06
204	133	0.42	-0.05	-2.94e-05	-0.19	0.0	-4.44	0.33	-0.06	-4.99e-03	-0.05	0.29
		0.29	-0.09	5.88e-05	0.0	60.0	-4.44	0.14	-0.06	-4.99e-03	-0.09	0.42
204	134	0.47	0.09	-7.88e-05	-0.19	0.0	0.81	0.19	0.06	5.68e-03	0.05	0.40
		0.40	0.05	-4.40e-05	0.0	60.0	0.81	1.34e-03	0.06	5.68e-03	0.09	0.47
204	141	2.81	-0.02	7.39e-05	-0.19	0.0	-5.16	-2.69	-0.01	-6.34e-03	-0.02	2.81
		1.14	-0.04	3.99e-04	0.0	60.0	-5.16	-2.88	-0.01	-6.34e-03	-0.04	1.14
204	142	-0.25	0.03	-1.82e-04	-0.19	0.0	1.53	3.21	0.01	7.03e-03	0.02	-2.12
		-2.12	0.02	-3.84e-04	0.0	60.0	1.53	3.02	0.01	7.03e-03	0.03	-0.25
204	145	2.36	-0.03	6.91e-05	-0.19	0.0	-5.26	-2.16	-0.01	-8.60e-03	-0.03	2.36
		1.01	-0.04	3.64e-04	0.0	60.0	-5.26	-2.35	-0.01	-8.60e-03	-0.04	1.01
204	146	-0.12	0.03	-1.77e-04	-0.19	0.0	1.63	2.67	0.01	9.29e-03	0.02	-1.67
		-1.67	0.02	-3.49e-04	0.0	60.0	1.63	2.49	0.01	9.29e-03	0.03	-0.12
204	165	0.42	-0.06	-2.64e-05	-0.19	0.0	-4.77	0.34	-0.07	-5.66e-03	-0.06	0.28
		0.28	-0.10	6.47e-05	0.0	60.0	-4.77	0.15	-0.07	-5.66e-03	-0.10	0.42
204	166	0.47	0.10	-8.18e-05	-0.19	0.0	1.14	0.18	0.07	6.35e-03	0.05	0.41
		0.41	0.05	-4.99e-05	0.0	60.0	1.14	-0.01	0.07	6.35e-03	0.10	0.47
204	173	2.82	-0.02	7.43e-05	-0.19	0.0	-5.16	-2.71	-0.01	-6.03e-03	-0.02	2.82
		1.14	-0.04	3.94e-04	0.0	60.0	-5.16	-2.90	-0.01	-6.03e-03	-0.04	1.14
204	174	-0.25	0.03	-1.83e-04	-0.19	0.0	1.53	3.22	0.01	6.72e-03	0.01	-2.13
		-2.13	0.01	-3.79e-04	0.0	60.0	1.53	3.04	0.01	6.72e-03	0.03	-0.25
204	177	2.36	-0.02	6.86e-05	-0.19	0.0	-5.26	-2.16	-0.01	-8.24e-03	-0.02	2.36
		1.01	-0.04	3.56e-04	0.0	60.0	-5.26	-2.35	-0.01	-8.24e-03	-0.04	1.01
204	178	-0.12	0.03	-1.77e-04	-0.19	0.0	1.63	2.68	0.01	8.93e-03	0.02	-1.67
		-1.67	0.02	-3.41e-04	0.0	60.0	1.63	2.49	0.01	8.93e-03	0.03	-0.12

204	197	0.41	-0.06	-2.83e-05	-0.19	0.0	-4.73	0.36	-0.07	-5.47e-03	-0.06	0.26
		0.26	-0.10	5.78e-05	0.0	60.0	-4.73	0.17	-0.07	-5.47e-03	-0.10	0.41
204	198	0.48	0.10	-7.99e-05	-0.19	0.0	1.10	0.16	0.07	6.16e-03	0.05	0.43
		0.43	0.05	-4.29e-05	0.0	60.0	1.10	-0.03	0.07	6.16e-03	0.10	0.47
204	209	2.72	-0.03	8.97e-05	-0.19	0.0	-5.86	-2.59	-0.01	-9.56e-03	-0.03	2.72
		1.11	-0.05	4.13e-04	0.0	60.0	-5.86	-2.78	-0.01	-9.56e-03	-0.05	1.11
204	210	-0.22	0.04	-1.98e-04	-0.19	0.0	2.23	3.11	0.02	0.01	0.02	-2.03
		-2.03	0.02	-3.98e-04	0.0	60.0	2.23	2.92	0.02	0.01	0.04	-0.22
204	213	3.29	-0.03	1.10e-04	-0.19	0.0	-5.62	-3.27	-0.01	0.01	-0.03	3.29
		1.27	-0.04	5.07e-04	0.0	60.0	-5.62	-3.46	-0.01	0.01	-0.04	1.27
204	214	-0.38	0.04	-2.18e-04	-0.19	0.0	1.99	3.79	0.02	-0.01	0.02	-2.60
		-2.60	0.02	-4.92e-04	0.0	60.0	1.99	3.60	0.02	-0.01	0.04	-0.38
204	229	0.40	-0.07	-2.51e-05	-0.19	0.0	-5.21	0.39	-0.08	-6.42e-03	-0.07	0.23
		0.23	-0.12	6.26e-05	0.0	60.0	-5.21	0.20	-0.08	-6.42e-03	-0.12	0.40
204	230	0.49	0.11	-8.32e-05	-0.19	0.0	1.58	0.12	0.08	7.11e-03	0.06	0.46
		0.46	0.06	-4.78e-05	0.0	60.0	1.58	-0.06	0.08	7.11e-03	0.11	0.48
205	3	0.39	-1.88e-04	-1.73e-05	-0.24	0.0	0.22	1.55	-3.63e-03	0.04	-1.88e-04	-0.46
		-0.46	-2.37e-03	0.0	0.0	60.0	0.22	1.30	-3.63e-03	0.04	-2.37e-03	0.39
205	9	0.22	1.38e-04	-2.23e-06	-0.24	0.0	0.32	1.67	-3.50e-03	0.05	1.38e-04	-0.71
		-0.71	-1.96e-03	0.0	0.0	60.0	0.32	1.43	-3.50e-03	0.05	-1.96e-03	0.22
205	15	0.29	1.02e-03	5.68e-06	-0.24	0.0	0.48	1.73	-1.99e-03	0.09	1.02e-03	-0.68
		-0.68	-1.75e-04	0.0	0.0	60.0	0.48	1.48	-1.99e-03	0.09	-1.75e-04	0.29
205	19	0.22	1.24e-03	7.40e-06	-0.19	0.0	0.47	1.36	-1.25e-03	0.10	1.24e-03	-0.55
		-0.55	4.92e-04	-1.42e-06	0.0	60.0	0.47	1.18	-1.25e-03	0.10	4.92e-04	0.22
205	35	0.27	-3.06e-03	-2.03e-05	-0.24	0.0	-0.19	1.46	-2.71e-03	-0.17	-3.06e-03	-0.53
		-0.53	-4.69e-03	3.52e-06	0.0	60.0	-0.19	1.21	-2.71e-03	-0.17	-4.69e-03	0.27
205	48	0.23	-3.89e-03	-1.60e-05	-0.19	0.0	-0.33	1.06	8.27e-05	-0.25	-3.94e-03	-0.35
		-0.35	-3.94e-03	3.54e-06	0.0	60.0	-0.33	0.87	8.27e-05	-0.25	-3.89e-03	0.23
205	67	0.28	-1.72e-04	-1.02e-05	-0.19	0.0	0.16	1.21	-2.55e-03	0.02	-1.72e-04	-0.38
		-0.38	-1.70e-03	0.0	0.0	60.0	0.16	1.02	-2.55e-03	0.02	-1.70e-03	0.28
205	69	0.17	4.52e-05	0.0	-0.19	0.0	0.23	1.29	-2.46e-03	0.03	4.52e-05	-0.55
		-0.55	-1.43e-03	0.0	0.0	60.0	0.23	1.10	-2.46e-03	0.03	-1.43e-03	0.17
205	72	0.21	6.31e-04	5.15e-06	-0.19	0.0	0.33	1.33	-1.45e-03	0.06	6.31e-04	-0.53
		-0.53	-2.38e-04	0.0	0.0	60.0	0.33	1.14	-1.45e-03	0.06	-2.38e-04	0.21
205	83	0.20	-2.09e-03	-1.22e-05	-0.19	0.0	-0.11	1.15	-1.93e-03	-0.11	-2.09e-03	-0.43
		-0.43	-3.25e-03	2.51e-06	0.0	60.0	-0.11	0.96	-1.93e-03	-0.11	-3.25e-03	0.20
205	88	0.22	-2.83e-03	-1.04e-05	-0.19	0.0	-0.20	1.13	-5.59e-04	-0.17	-2.83e-03	-0.40
		-0.40	-3.16e-03	2.85e-06	0.0	60.0	-0.20	0.94	-5.59e-04	-0.17	-3.16e-03	0.22
205	98	0.25	-7.63e-04	-6.83e-06	-0.19	0.0	0.03	1.21	-2.31e-03	-0.02	-7.63e-04	-0.42
		-0.42	-2.15e-03	1.71e-06	0.0	60.0	0.03	1.02	-2.31e-03	-0.02	-2.15e-03	0.25
205	99	0.19	-5.49e-04	2.49e-06	-0.19	0.0	0.08	1.27	-1.77e-03	-0.02	-5.49e-04	-0.52
		-0.52	-1.61e-03	1.42e-06	0.0	60.0	0.08	1.09	-1.77e-03	-0.02	-1.61e-03	0.19
205	101	0.24	-7.54e-04	-6.29e-06	-0.19	0.0	0.04	1.21	-2.40e-03	-0.02	-7.54e-04	-0.44
		-0.44	-2.19e-03	1.70e-06	0.0	60.0	0.04	1.03	-2.40e-03	-0.02	-2.19e-03	0.24
205	102	0.20	-2.93e-04	3.76e-06	-0.19	0.0	0.13	1.29	-1.56e-03	-3.97e-04	-2.93e-04	-0.51
		-0.51	-1.23e-03	1.02e-06	0.0	60.0	0.13	1.10	-1.56e-03	-3.97e-04	-1.23e-03	0.20
205	105	0.24	-1.13e-03	-5.63e-06	-0.19	0.0	-7.10e-03	1.20	-1.76e-03	-0.05	-1.13e-03	-0.42
		-0.42	-2.19e-03	1.88e-06	0.0	60.0	-7.10e-03	1.01	-1.76e-03	-0.05	-2.19e-03	0.24
205	106	0.20	-5.24e-04	3.41e-06	-0.19	0.0	0.08	1.28	-1.58e-03	-0.02	-5.24e-04	-0.51
		-0.51	-1.47e-03	1.39e-06	0.0	60.0	0.08	1.09	-1.58e-03	-0.02	-1.47e-03	0.20
205	107	0.24	-7.29e-04	-5.37e-06	-0.19	0.0	0.04	1.22	-2.21e-03	-0.02	-7.29e-04	-0.43
		-0.43	-2.05e-03	1.67e-06	0.0	60.0	0.04	1.03	-2.21e-03	-0.02	-2.05e-03	0.24
205	112	-1.47	-4.46e-04	-2.31e-04	-0.19	0.0	2.05	14.29	-1.54e-03	0.01	-4.46e-04	-10.41
		-10.41	-1.87e-03	2.97e-04	0.0	60.0	2.05	14.10	-1.54e-03	0.01	-1.87e-03	-1.47
205	115	9.55	-1.01e-03	2.20e-04	-0.19	0.0	-1.98	-11.86	-2.88e-03	-0.05	-1.01e-03	9.55
		1.96	-2.24e-03	-2.93e-04	0.0	60.0	-1.98	-12.04	-2.88e-03	-0.05	-2.24e-03	1.96
205	132	0.41	8.86e-04	-2.20e-05	-0.19	0.0	2.83	8.70	3.23e-03	0.02	-9.31e-04	-6.17
		-6.17	-9.31e-04	1.23e-04	0.0	60.0	2.83	8.51	3.23e-03	0.02	8.86e-04	0.41
205	133	-0.13	-3.00e-04	-1.34e-04	-0.19	0.0	-1.97	0.87	-8.28e-03	-0.05	-3.00e-04	-0.13
		-1.08	-5.46e-03	5.10e-05	0.0	60.0	-1.97	0.68	-8.28e-03	-0.05	-5.46e-03	-1.08
205	134	1.57	1.35e-03	1.24e-04	-0.19	0.0	2.05	1.56	3.86e-03	9.52e-03	-1.16e-03	-0.73
		-0.73	-1.16e-03	-4.77e-05	0.0	60.0	2.05	1.37	3.86e-03	9.52e-03	1.35e-03	1.57
205	135	5.31	-5.26e-04	1.12e-05	-0.19	0.0	-2.75	-6.27	-7.64e-03	-0.06	-5.26e-04	5.31
		0.08	-4.99e-03	-1.20e-04	0.0	60.0	-2.75	-6.46	-7.64e-03	-0.06	-4.99e-03	0.08
205	144	-1.69	-4.10e-04	-2.60e-04	-0.19	0.0	2.31	15.96	-1.45e-03	0.02	-4.10e-04	-11.68
		-11.68	-1.85e-03	3.34e-04	0.0	60.0	2.31	15.77	-1.45e-03	0.02	-1.85e-03	-1.69
205	147	10.82	-1.05e-03	2.50e-04	-0.19	0.0	-2.23	-13.52	-2.97e-03	-0.05	-1.05e-03	10.82
		2.17	-2.26e-03	-3.31e-04	0.0	60.0	-2.23	-13.71	-2.97e-03	-0.05	-2.26e-03	2.17
205	164	0.43	1.25e-03	-2.47e-05	-0.19	0.0	3.18	9.67	3.91e-03	0.03	-9.56e-04	-6.91
		-6.91	-9.56e-04	1.39e-04	0.0	60.0	3.18	9.48	3.91e-03	0.03	1.25e-03	0.43
205	165	-0.08	-2.46e-04	-1.50e-04	-0.19	0.0	-2.22	0.81	-9.03e-03	-0.05	-2.46e-04	-0.08
		-1.25	-5.88e-03	5.67e-05	0.0	60.0	-2.22	0.62	-9.03e-03	-0.05	-5.88e-03	-1.25
205	166	1.74	1.77e-03	1.40e-04	-0.19	0.0	2.30	1.62	4.61e-03	0.01	-1.21e-03	-0.78
		-0.78	-1.21e-03	-5.34e-05	0.0	60.0	2.30	1.44	4.61e-03	0.01	1.77e-03	1.74
205	167	6.05	-5.01e-04	1.40e-05	-0.19	0.0	-3.10	-7.24	-8.32e-03	-0.07	-5.01e-04	6.05

		0.06	-5.36e-03	-1.35e-04	0.0	60.0	-3.10	-7.42	-8.32e-03	-0.07	-5.36e-03	0.06
205	176	-1.70	-4.05e-04	-2.72e-04	-0.19	0.0	2.29	16.06	-1.39e-03	0.02	-4.05e-04	-11.76
		-11.76	-1.81e-03	3.31e-04	0.0	60.0	2.29	15.87	-1.39e-03	0.02	-1.81e-03	-1.70
205	179	10.90	-1.05e-03	2.61e-04	-0.19	0.0	-2.21	-13.62	-3.03e-03	-0.05	-1.05e-03	10.90
		2.18	-2.30e-03	-3.28e-04	0.0	60.0	-2.21	-13.81	-3.03e-03	-0.05	-2.30e-03	2.18
205	196	0.43	1.22e-03	-3.14e-05	-0.19	0.0	3.14	9.81	3.84e-03	0.03	-9.48e-04	-7.01
		-7.01	-9.48e-04	1.42e-04	0.0	60.0	3.14	9.63	3.84e-03	0.03	1.22e-03	0.43
205	197	-0.01	-2.53e-04	-1.50e-04	-0.19	0.0	-2.20	0.70	-8.91e-03	-0.05	-2.53e-04	-0.01
		-1.26	-5.82e-03	5.10e-05	0.0	60.0	-2.20	0.52	-8.91e-03	-0.05	-5.82e-03	-1.26
205	198	1.75	1.71e-03	1.39e-04	-0.19	0.0	2.28	1.73	4.49e-03	0.01	-1.20e-03	-0.85
		-0.85	-1.20e-03	-4.77e-05	0.0	60.0	2.28	1.54	4.49e-03	0.01	1.71e-03	1.75
205	199	6.15	-5.10e-04	2.06e-05	-0.19	0.0	-3.07	-7.38	-8.26e-03	-0.06	-5.10e-04	6.15
		0.06	-5.33e-03	-1.39e-04	0.0	60.0	-3.07	-7.57	-8.26e-03	-0.06	-5.33e-03	0.06
205	216	-2.07	-3.21e-04	-2.77e-04	-0.19	0.0	2.61	18.91	-1.35e-03	0.02	-3.21e-04	-13.93
		-13.93	-1.50e-03	4.29e-04	0.0	60.0	2.61	18.72	-1.35e-03	0.02	-1.50e-03	-2.07
205	219	13.07	-1.14e-03	2.66e-04	-0.19	0.0	-2.53	-16.48	-3.07e-03	-0.06	-1.14e-03	13.07
		2.56	-2.61e-03	-4.25e-04	0.0	60.0	-2.53	-16.67	-3.07e-03	-0.06	-2.61e-03	2.56
205	228	0.47	1.76e-03	-4.08e-05	-0.19	0.0	3.66	11.43	4.83e-03	0.03	-9.81e-04	-8.24
		-8.24	-9.81e-04	1.69e-04	0.0	60.0	3.66	11.24	4.83e-03	0.03	1.76e-03	0.47
205	229	0.11	-1.75e-04	-1.74e-04	-0.19	0.0	-2.57	0.53	-9.99e-03	-0.06	-1.75e-04	0.11
		-1.53	-6.43e-03	5.61e-05	0.0	60.0	-2.57	0.35	-9.99e-03	-0.06	-6.43e-03	-1.53
205	230	2.02	2.32e-03	1.63e-04	-0.19	0.0	2.64	1.90	5.57e-03	0.02	-1.28e-03	-0.97
		-0.97	-1.28e-03	-5.28e-05	0.0	60.0	2.64	1.71	5.57e-03	0.02	2.32e-03	2.02
205	231	7.38	-4.77e-04	3.00e-05	-0.19	0.0	-3.58	-9.00	-9.25e-03	-0.07	-4.77e-04	7.38
		0.02	-5.87e-03	-1.65e-04	0.0	60.0	-3.58	-9.19	-9.25e-03	-0.07	-5.87e-03	0.02
206	3	0.39	0.02	2.44e-05	-0.24	0.0	0.78	-0.53	0.04	0.04	-2.37e-03	0.39
		0.0	-2.37e-03	0.0	0.0	60.0	0.78	-0.77	0.04	0.04	0.02	0.0
206	4	0.36	0.02	1.91e-05	-0.24	0.0	0.79	-0.48	0.04	0.04	-2.89e-03	0.36
		0.0	-2.89e-03	0.0	0.0	60.0	0.79	-0.72	0.04	0.04	0.02	0.0
206	16	0.26	0.02	3.91e-05	-0.24	0.0	1.08	-0.30	0.03	0.09	-6.99e-04	0.26
		0.0	-6.99e-04	0.0	0.0	60.0	1.08	-0.55	0.03	0.09	0.02	0.0
206	35	0.27	0.02	1.37e-05	-0.24	0.0	0.36	-0.33	0.04	-0.17	-4.69e-03	0.27
		0.0	-4.69e-03	2.70e-06	0.0	60.0	0.36	-0.58	0.04	-0.17	0.02	0.0
206	47	0.26	0.01	1.56e-05	-0.19	0.0	0.06	-0.33	0.02	-0.25	-3.37e-03	0.26
		0.0	-3.37e-03	2.82e-06	0.0	60.0	0.06	-0.52	0.02	-0.25	0.01	0.0
206	67	0.28	0.01	2.12e-05	-0.19	0.0	0.59	-0.38	0.03	0.02	-1.70e-03	0.28
		0.0	-1.70e-03	0.0	0.0	60.0	0.59	-0.57	0.03	0.02	0.01	0.0
206	68	0.26	0.02	1.77e-05	-0.19	0.0	0.60	-0.34	0.03	0.02	-2.05e-03	0.26
		0.0	-2.05e-03	0.0	0.0	60.0	0.60	-0.53	0.03	0.02	0.02	0.0
206	73	0.19	0.01	3.11e-05	-0.19	0.0	0.79	-0.23	0.02	0.06	-5.87e-04	0.19
		0.0	-5.87e-04	0.0	0.0	60.0	0.79	-0.42	0.02	0.06	0.01	0.0
206	83	0.20	0.01	1.41e-05	-0.19	0.0	0.31	-0.25	0.03	-0.11	-3.25e-03	0.20
		0.0	-3.25e-03	1.94e-06	0.0	60.0	0.31	-0.43	0.03	-0.11	0.01	0.0
206	87	0.24	9.71e-03	2.00e-05	-0.19	0.0	0.20	-0.31	0.02	-0.17	-2.81e-03	0.24
		0.0	-2.81e-03	2.27e-06	0.0	60.0	0.20	-0.50	0.02	-0.17	9.71e-03	0.0
206	98	0.25	0.01	2.29e-05	-0.19	0.0	0.45	-0.32	0.02	-0.02	-2.15e-03	0.25
		0.0	-2.15e-03	1.34e-06	0.0	60.0	0.45	-0.51	0.02	-0.02	0.01	0.0
206	101	0.24	0.01	2.27e-05	-0.19	0.0	0.46	-0.30	0.02	-0.02	-2.19e-03	0.24
		0.0	-2.19e-03	1.32e-06	0.0	60.0	0.46	-0.49	0.02	-0.02	0.01	0.0
206	102	0.20	7.95e-03	3.20e-05	-0.19	0.0	0.56	-0.24	0.02	-3.97e-04	-1.23e-03	0.20
		0.0	-1.23e-03	0.0	0.0	60.0	0.56	-0.43	0.02	-3.97e-04	7.95e-03	0.0
206	103	0.25	0.01	2.47e-05	-0.19	0.0	0.51	-0.32	0.02	-4.04e-03	-1.81e-03	0.25
		0.0	-1.81e-03	0.0	0.0	60.0	0.51	-0.51	0.02	-4.04e-03	0.01	0.0
206	105	0.24	0.01	2.35e-05	-0.19	0.0	0.41	-0.31	0.02	-0.05	-2.19e-03	0.24
		0.0	-2.19e-03	1.50e-06	0.0	60.0	0.41	-0.50	0.02	-0.05	0.01	0.0
206	106	0.20	7.30e-03	3.13e-05	-0.19	0.0	0.51	-0.24	0.01	-0.02	-1.47e-03	0.20
		0.0	-1.47e-03	1.14e-06	0.0	60.0	0.51	-0.43	0.01	-0.02	7.30e-03	0.0
206	107	0.24	0.01	2.41e-05	-0.19	0.0	0.46	-0.31	0.02	-0.02	-2.05e-03	0.24
		0.0	-2.05e-03	1.31e-06	0.0	60.0	0.46	-0.50	0.02	-0.02	0.01	0.0
206	113	0.0	-3.77e-03	2.93e-05	-0.19	0.0	0.74	3.29	-0.09	-8.56e-03	-3.77e-03	-1.92
		-1.92	-0.06	2.75e-04	0.0	60.0	0.74	3.10	-0.09	-8.56e-03	-0.06	0.0
206	114	2.40	0.08	1.88e-05	-0.19	0.0	0.17	-3.91	0.13	-0.03	-3.33e-04	2.40
		0.0	-3.33e-04	-2.72e-04	0.0	60.0	0.17	-4.10	0.13	-0.03	0.08	0.0
206	132	0.41	0.10	1.01e-04	-0.19	0.0	3.97	-0.59	0.17	0.02	8.86e-04	0.41
		0.0	8.86e-04	1.22e-04	0.0	60.0	3.97	-0.78	0.17	0.02	0.10	0.0
206	133	0.0	-5.46e-03	-3.71e-05	-0.19	0.0	-2.32	1.90	-0.17	-0.05	-5.46e-03	-1.08
		-1.08	-0.10	5.13e-05	0.0	60.0	-2.32	1.71	-0.17	-0.05	-0.10	0.0
206	134	1.57	0.13	8.53e-05	-0.19	0.0	3.23	-2.52	0.21	9.52e-03	1.35e-03	1.57
		0.0	1.35e-03	-4.87e-05	0.0	60.0	3.23	-2.71	0.21	9.52e-03	0.13	0.0
206	135	0.08	-4.99e-03	-5.27e-05	-0.19	0.0	-3.06	-0.04	-0.13	-0.06	-4.99e-03	0.08
		0.0	-0.08	-1.19e-04	0.0	60.0	-3.06	-0.23	-0.13	-0.06	-0.08	0.0
206	145	0.0	-3.99e-03	3.03e-05	-0.19	0.0	0.77	3.75	-0.10	-7.24e-03	-3.99e-03	-2.19
		-2.19	-0.07	3.10e-04	0.0	60.0	0.77	3.56	-0.10	-7.24e-03	-0.07	0.0
206	146	2.68	0.09	1.78e-05	-0.19	0.0	0.14	-4.37	0.15	-0.03	-1.19e-04	2.68
		0.0	-1.19e-04	-3.07e-04	0.0	60.0	0.14	-4.56	0.15	-0.03	0.09	0.0

206	164	0.43	0.12	1.10e-04	-0.19	0.0	4.41	-0.62	0.19	0.03	1.25e-03	0.43
		0.0	1.25e-03	1.38e-04	0.0	60.0	4.41	-0.81	0.19	0.03	0.12	0.0
206	165	0.0	-5.88e-03	-4.43e-05	-0.19	0.0	-2.67	2.18	-0.19	-0.05	-5.88e-03	-1.25
		-1.25	-0.12	5.71e-05	0.0	60.0	-2.67	1.99	-0.19	-0.05	-0.12	0.0
206	166	1.74	0.14	9.25e-05	-0.19	0.0	3.58	-2.81	0.23	0.01	1.77e-03	1.74
		0.0	1.77e-03	-5.45e-05	0.0	60.0	3.58	-2.99	0.23	0.01	0.14	0.0
206	167	0.06	-5.36e-03	-6.19e-05	-0.19	0.0	-3.50	-8.54e-04	-0.15	-0.07	-5.36e-03	0.06
		0.0	-0.09	-1.35e-04	0.0	60.0	-3.50	-0.19	-0.15	-0.07	-0.09	0.0
206	177	0.0	-3.93e-03	3.86e-05	-0.19	0.0	0.75	3.77	-0.10	-7.97e-03	-3.93e-03	-2.20
		-2.20	-0.06	3.04e-04	0.0	60.0	0.75	3.58	-0.10	-7.97e-03	-0.06	0.0
206	178	2.69	0.09	9.57e-06	-0.19	0.0	0.16	-4.39	0.14	-0.03	-1.83e-04	2.69
		0.0	-1.83e-04	-3.01e-04	0.0	60.0	0.16	-4.58	0.14	-0.03	0.09	0.0
206	196	0.43	0.11	1.09e-04	-0.19	0.0	4.35	-0.63	0.19	0.03	1.22e-03	0.43
		0.0	1.22e-03	1.41e-04	0.0	60.0	4.35	-0.81	0.19	0.03	0.11	0.0
206	197	0.0	-5.82e-03	-3.84e-05	-0.19	0.0	-2.63	2.20	-0.19	-0.05	-5.82e-03	-1.26
		-1.26	-0.12	5.14e-05	0.0	60.0	-2.63	2.01	-0.19	-0.05	-0.12	0.0
206	198	1.75	0.14	8.66e-05	-0.19	0.0	3.55	-2.82	0.23	0.01	1.71e-03	1.75
		0.0	1.71e-03	-4.88e-05	0.0	60.0	3.55	-3.01	0.23	0.01	0.14	0.0
206	199	0.06	-5.33e-03	-6.03e-05	-0.19	0.0	-3.44	1.57e-03	-0.15	-0.06	-5.33e-03	0.06
		0.0	-0.09	-1.38e-04	0.0	60.0	-3.44	-0.19	-0.15	-0.06	-0.09	0.0
206	217	0.0	-3.96e-03	-6.45e-04	-0.19	0.0	0.74	4.54	-0.11	-6.40e-03	-3.96e-03	-2.67
		-2.67	-0.07	3.95e-04	0.0	60.0	0.74	4.35	-0.11	-6.40e-03	-0.07	0.0
206	218	3.16	0.09	6.93e-04	-0.19	0.0	0.17	-5.17	0.15	-0.03	-1.53e-04	3.16
		0.0	-1.53e-04	-3.92e-04	0.0	60.0	0.17	-5.36	0.15	-0.03	0.09	0.0
206	228	0.47	0.13	1.22e-04	-0.19	0.0	4.99	-0.68	0.21	0.03	1.76e-03	0.47
		0.0	1.76e-03	1.67e-04	0.0	60.0	4.99	-0.87	0.21	0.03	0.13	0.0
206	229	0.0	-6.43e-03	-4.48e-05	-0.19	0.0	-3.14	2.65	-0.22	-0.06	-6.43e-03	-1.53
		-1.53	-0.14	5.66e-05	0.0	60.0	-3.14	2.46	-0.22	-0.06	-0.14	0.0
206	230	2.02	0.16	9.29e-05	-0.19	0.0	4.05	-3.27	0.26	0.02	2.32e-03	2.02
		0.0	2.32e-03	-5.40e-05	0.0	60.0	4.05	-3.46	0.26	0.02	0.16	0.0
206	231	0.03	-5.87e-03	-7.34e-05	-0.19	0.0	-4.08	0.06	-0.17	-0.07	-5.87e-03	0.02
		0.0	-0.11	-1.65e-04	0.0	60.0	-4.08	-0.13	-0.17	-0.07	-0.11	0.0
207	9	0.29	0.03	-6.53e-05	-0.16	0.0	0.97	0.81	-0.04	0.29	0.03	0.0
		0.0	9.38e-03	1.41e-06	0.0	40.0	0.97	0.65	-0.04	0.29	9.38e-03	0.29
207	16	0.28	0.03	-6.21e-05	-0.16	0.0	1.15	0.78	-0.04	0.25	0.03	0.0
		0.0	8.02e-03	0.0	0.0	40.0	1.15	0.61	-0.04	0.25	8.02e-03	0.28
207	19	0.21	0.02	-4.46e-05	-0.13	0.0	1.00	0.59	-0.04	0.16	0.02	0.0
		0.0	4.89e-03	0.0	0.0	40.0	1.00	0.46	-0.04	0.16	4.89e-03	0.21
207	28	0.13	0.04	-6.47e-05	-0.16	0.0	0.33	0.40	2.00e-03	0.52	0.04	0.0
		0.0	0.02	3.00e-06	0.0	40.0	0.33	0.24	2.00e-03	0.52	0.02	0.13
207	47	0.10	0.03	-4.73e-05	-0.13	0.0	0.02	0.31	0.03	0.43	0.03	0.0
		0.0	0.02	2.30e-06	0.0	40.0	0.02	0.19	0.03	0.43	0.02	0.10
207	69	0.22	0.02	-4.94e-05	-0.13	0.0	0.72	0.62	-0.03	0.22	0.02	0.0
		0.0	7.15e-03	1.09e-06	0.0	40.0	0.72	0.50	-0.03	0.22	7.15e-03	0.22
207	72	0.20	0.02	-4.53e-05	-0.13	0.0	0.83	0.57	-0.03	0.19	0.02	0.0
		0.0	6.11e-03	0.0	0.0	40.0	0.83	0.45	-0.03	0.19	6.11e-03	0.20
207	73	0.21	0.02	-4.72e-05	-0.13	0.0	0.84	0.60	-0.03	0.19	0.02	0.0
		0.0	6.25e-03	0.0	0.0	40.0	0.84	0.47	-0.03	0.19	6.25e-03	0.21
207	80	0.11	0.03	-4.90e-05	-0.13	0.0	0.29	0.35	-4.96e-04	0.37	0.03	0.0
		0.0	0.01	2.15e-06	0.0	40.0	0.29	0.22	-4.96e-04	0.37	0.01	0.11
207	87	0.13	0.03	-4.71e-05	-0.13	0.0	0.18	0.39	0.01	0.37	0.03	0.0
		0.0	0.01	2.02e-06	0.0	40.0	0.18	0.26	0.01	0.37	0.01	0.13
207	98	0.14	0.02	-4.65e-05	-0.13	0.0	0.48	0.40	-0.02	0.29	0.02	0.0
		0.0	9.98e-03	1.74e-06	0.0	40.0	0.48	0.28	-0.02	0.29	9.98e-03	0.14
207	99	0.21	0.02	-4.67e-05	-0.13	0.0	0.51	0.58	-0.02	0.23	0.02	0.0
		0.0	8.08e-03	1.40e-06	0.0	40.0	0.51	0.45	-0.02	0.23	8.08e-03	0.21
207	102	0.20	0.02	-4.58e-05	-0.13	0.0	0.57	0.57	-0.02	0.22	0.02	0.0
		0.0	7.64e-03	1.22e-06	0.0	40.0	0.57	0.45	-0.02	0.22	7.64e-03	0.20
207	105	0.15	0.02	-4.65e-05	-0.13	0.0	0.42	0.43	-0.01	0.29	0.02	0.0
		0.0	0.01	1.74e-06	0.0	40.0	0.42	0.30	-0.01	0.29	0.01	0.15
207	106	0.20	0.02	-4.59e-05	-0.13	0.0	0.51	0.57	-0.02	0.22	0.02	0.0
		0.0	8.02e-03	1.37e-06	0.0	40.0	0.51	0.44	-0.02	0.22	8.02e-03	0.20
207	107	0.15	0.02	-4.64e-05	-0.13	0.0	0.48	0.43	-0.02	0.28	0.02	0.0
		0.0	9.70e-03	1.69e-06	0.0	40.0	0.48	0.30	-0.02	0.28	9.70e-03	0.15
207	108	0.0	0.09	-7.91e-04	-0.13	0.0	0.45	-0.02	-0.17	0.27	0.09	0.0
		-0.03	0.02	1.87e-04	0.0	40.0	0.45	-0.15	-0.17	0.27	0.02	-0.03
207	111	0.33	4.68e-04	6.98e-04	-0.13	0.0	0.52	0.88	0.13	0.28	-0.05	0.0
		0.0	-0.05	-1.84e-04	0.0	40.0	0.52	0.75	0.13	0.28	4.68e-04	0.33
207	132	0.03	0.11	-2.50e-04	-0.13	0.0	3.75	0.14	-0.21	0.32	0.11	0.0
		0.0	0.02	9.19e-05	0.0	40.0	3.75	0.02	-0.21	0.32	0.02	0.03
207	135	0.26	-1.75e-03	1.57e-04	-0.13	0.0	-2.79	0.71	0.17	0.23	-0.06	0.0
		0.0	-0.06	-8.85e-05	0.0	40.0	-2.79	0.59	0.17	0.23	-1.75e-03	0.26
207	137	0.17	-6.92e-04	-1.07e-04	-0.13	0.0	-3.29	0.48	0.15	0.22	-0.05	0.0
		0.0	-0.05	2.89e-05	0.0	40.0	-3.29	0.35	0.15	0.22	-6.92e-04	0.17
207	138	0.13	0.10	1.39e-05	-0.13	0.0	4.26	0.38	-0.19	0.33	0.10	0.0

		0.0	0.02	-2.55e-05	0.0	40.0	4.26	0.25	-0.19	0.33	0.02	0.13
207	140	0.0	0.10	-8.84e-04	-0.13	0.0	0.45	-0.08	-0.19	0.27	0.10	0.0
		-0.06	0.02	2.10e-04	0.0	40.0	0.45	-0.20	-0.19	0.27	0.02	-0.06
207	143	0.35	-6.97e-04	7.92e-04	-0.13	0.0	0.52	0.93	0.15	0.28	-0.05	0.0
		0.0	-0.05	-2.07e-04	0.0	40.0	0.52	0.81	0.15	0.28	-6.97e-04	0.35
207	164	0.02	0.12	-2.76e-04	-0.13	0.0	4.16	0.11	-0.23	0.33	0.12	0.0
		0.0	0.02	1.04e-04	0.0	40.0	4.16	-0.02	-0.23	0.33	0.02	0.02
207	167	0.28	-3.19e-03	1.83e-04	-0.13	0.0	-3.20	0.75	0.19	0.22	-0.07	0.0
		0.0	-0.07	-1.00e-04	0.0	40.0	-3.20	0.63	0.19	0.22	-3.19e-03	0.28
207	169	0.17	-1.99e-03	-1.15e-04	-0.13	0.0	-3.76	0.49	0.17	0.21	-0.06	0.0
		0.0	-0.06	3.22e-05	0.0	40.0	-3.76	0.36	0.17	0.21	-1.99e-03	0.17
207	170	0.12	0.11	2.17e-05	-0.13	0.0	4.72	0.37	-0.21	0.34	0.11	0.0
		0.0	0.02	-2.88e-05	0.0	40.0	4.72	0.24	-0.21	0.34	0.02	0.12
207	176	0.0	0.11	-8.50e-04	-0.13	0.0	0.87	-0.08	-0.21	0.28	0.11	0.0
		-0.06	0.02	2.27e-04	0.0	40.0	0.87	-0.20	-0.21	0.28	0.02	-0.06
207	179	0.35	-2.40e-03	7.57e-04	-0.13	0.0	0.09	0.93	0.18	0.28	-0.07	0.0
		0.0	-0.07	-2.23e-04	0.0	40.0	0.09	0.81	0.18	0.28	-2.40e-03	0.35
207	196	0.02	0.12	-2.72e-04	-0.13	0.0	4.12	0.10	-0.23	0.33	0.12	0.0
		0.0	0.02	1.06e-04	0.0	40.0	4.12	-0.02	-0.23	0.33	0.02	0.02
207	199	0.28	-3.10e-03	1.79e-04	-0.13	0.0	-3.15	0.76	0.19	0.23	-0.07	0.0
		0.0	-0.07	-1.02e-04	0.0	40.0	-3.15	0.63	0.19	0.23	-3.10e-03	0.28
207	201	0.17	-1.84e-03	-1.16e-04	-0.13	0.0	-3.67	0.49	0.17	0.22	-0.06	0.0
		0.0	-0.06	3.04e-05	0.0	40.0	-3.67	0.36	0.17	0.22	-1.84e-03	0.17
207	202	0.12	0.11	2.35e-05	-0.13	0.0	4.64	0.37	-0.21	0.34	0.11	0.0
		0.0	0.02	-2.70e-05	0.0	40.0	4.64	0.24	-0.21	0.34	0.02	0.12
207	216	0.0	9.84e-03	-2.58e-04	-0.13	0.0	0.70	-0.18	0.01	0.28	9.84e-03	0.0
		-0.10	7.51e-03	2.91e-04	0.0	40.0	0.70	-0.31	0.01	0.28	7.51e-03	-0.10
207	219	0.39	0.04	1.65e-04	-0.13	0.0	0.27	1.04	-0.05	0.27	0.04	0.0
		0.0	0.01	-2.87e-04	0.0	40.0	0.27	0.91	-0.05	0.27	0.01	0.39
207	228	2.56e-03	0.14	-3.10e-04	-0.13	0.0	4.71	0.04	-0.26	0.34	0.14	0.0
		-9.07e-03	0.02	1.25e-04	0.0	40.0	4.71	-0.09	-0.26	0.34	0.02	-9.07e-03
207	231	0.30	-5.26e-03	2.18e-04	-0.13	0.0	-3.75	0.82	0.23	0.22	-0.09	0.0
		0.0	-0.09	-1.22e-04	0.0	40.0	-3.75	0.69	0.23	0.22	-5.26e-03	0.30
207	233	0.17	-3.78e-03	-1.30e-04	-0.13	0.0	-4.35	0.50	0.20	0.21	-0.08	0.0
		0.0	-0.08	3.54e-05	0.0	40.0	-4.35	0.37	0.20	0.21	-3.78e-03	0.17
207	234	0.12	0.13	3.67e-05	-0.13	0.0	5.31	0.36	-0.24	0.35	0.13	0.0
		0.0	0.02	-3.21e-05	0.0	40.0	5.31	0.24	-0.24	0.35	0.02	0.12
208	4	0.47	0.01	-6.84e-05	-0.16	0.0	0.65	0.91	-0.05	0.02	0.01	0.13
		0.13	-2.14e-03	2.09e-06	0.0	40.0	0.65	0.75	-0.05	0.02	-2.14e-03	0.47
208	16	0.55	0.01	-5.86e-05	-0.16	0.0	0.93	0.75	-0.05	-0.03	0.01	0.28
		0.28	-3.37e-03	0.0	0.0	40.0	0.93	0.59	-0.05	-0.03	-3.37e-03	0.55
208	22	0.38	0.01	-5.10e-05	-0.13	0.0	0.79	0.70	-0.05	-0.03	0.01	0.13
		0.13	-3.61e-03	0.0	0.0	40.0	0.79	0.57	-0.05	-0.03	-3.61e-03	0.38
208	31	0.31	9.79e-03	-5.27e-05	-0.13	0.0	-0.04	0.69	0.02	0.13	9.79e-03	0.06
		0.06	5.38e-03	2.22e-06	0.0	40.0	-0.04	0.57	0.02	0.13	5.38e-03	0.31
208	47	0.32	8.90e-03	-4.99e-05	-0.13	0.0	-0.21	0.61	0.05	0.18	8.41e-03	0.10
		0.10	8.41e-03	2.08e-06	0.0	40.0	-0.21	0.48	0.05	0.18	8.90e-03	0.32
208	68	0.37	9.71e-03	-5.10e-05	-0.13	0.0	0.48	0.68	-0.03	0.01	9.71e-03	0.12
		0.12	-1.36e-03	1.54e-06	0.0	40.0	0.48	0.55	-0.03	0.01	-1.36e-03	0.37
208	73	0.42	7.56e-03	-4.44e-05	-0.13	0.0	0.67	0.57	-0.04	-0.02	7.56e-03	0.21
		0.21	-2.18e-03	0.0	0.0	40.0	0.67	0.45	-0.04	-0.02	-2.18e-03	0.42
208	75	0.39	9.23e-03	-4.89e-05	-0.13	0.0	0.63	0.66	-0.04	-8.01e-03	9.23e-03	0.15
		0.15	-2.29e-03	1.12e-06	0.0	40.0	0.63	0.53	-0.04	-8.01e-03	-2.29e-03	0.39
208	79	0.34	8.96e-03	-5.00e-05	-0.13	0.0	0.08	0.65	6.10e-03	0.10	8.96e-03	0.11
		0.11	3.70e-03	1.96e-06	0.0	40.0	0.08	0.53	6.10e-03	0.10	3.70e-03	0.34
208	87	0.35	8.04e-03	-4.82e-05	-0.13	0.0	-0.03	0.60	0.03	0.13	8.04e-03	0.13
		0.13	6.05e-03	1.86e-06	0.0	40.0	-0.03	0.47	0.03	0.13	6.05e-03	0.35
208	98	0.37	8.55e-03	-4.80e-05	-0.13	0.0	0.29	0.65	-0.02	0.04	8.55e-03	0.14
		0.14	2.98e-04	1.71e-06	0.0	40.0	0.29	0.52	-0.02	0.04	2.98e-04	0.37
208	102	0.41	6.99e-03	-4.34e-05	-0.13	0.0	0.39	0.57	-0.02	0.02	6.99e-03	0.20
		0.20	-8.35e-05	1.21e-06	0.0	40.0	0.39	0.45	-0.02	0.02	-8.35e-05	0.41
208	103	0.38	8.43e-03	-4.73e-05	-0.13	0.0	0.36	0.64	-0.02	0.03	8.43e-03	0.15
		0.15	-1.75e-04	1.52e-06	0.0	40.0	0.36	0.52	-0.02	0.03	-1.75e-04	0.38
208	105	0.37	8.21e-03	-4.74e-05	-0.13	0.0	0.23	0.63	-8.84e-03	0.06	8.21e-03	0.15
		0.15	1.46e-03	1.68e-06	0.0	40.0	0.23	0.50	-8.84e-03	0.06	1.46e-03	0.37
208	106	0.40	6.87e-03	-4.35e-05	-0.13	0.0	0.32	0.57	-0.01	0.03	6.87e-03	0.20
		0.20	4.04e-04	1.34e-06	0.0	40.0	0.32	0.44	-0.01	0.03	4.04e-04	0.40
208	107	0.38	8.31e-03	-4.73e-05	-0.13	0.0	0.29	0.64	-0.02	0.04	8.31e-03	0.15
		0.15	3.13e-04	1.65e-06	0.0	40.0	0.29	0.51	-0.02	0.04	3.13e-04	0.38
208	112	-0.03	0.02	-2.00e-04	-0.13	0.0	0.59	-1.06	-0.05	0.04	0.02	-0.03
		-0.47	3.03e-03	2.03e-04	0.0	40.0	0.59	-1.19	-0.05	0.04	3.03e-03	-0.47
208	115	1.23	-2.41e-03	1.06e-04	-0.13	0.0	-6.67e-03	2.34	0.01	0.04	-6.37e-03	0.33
		0.33	-6.37e-03	-2.00e-04	0.0	40.0	-6.67e-03	2.21	0.01	0.04	-2.41e-03	1.23
208	132	0.03	0.02	-8.28e-05	-0.13	0.0	3.35	-0.37	-0.05	0.02	0.02	0.03
		-0.11	2.29e-03	9.14e-05	0.0	40.0	3.35	-0.50	-0.05	0.02	2.29e-03	-0.11

208	135	0.87	-1.66e-03	-1.19e-05	-0.13	0.0	-2.76	1.65	0.02	0.06	-8.25e-03	0.26
		0.26	-8.25e-03	-8.81e-05	0.0	40.0	-2.76	1.52	0.02	0.06	-1.66e-03	0.87
208	137	0.41	-4.55e-04	-1.03e-04	-0.13	0.0	-3.17	0.75	0.02	0.06	-6.81e-03	0.17
		0.17	-6.81e-03	2.93e-05	0.0	40.0	-3.17	0.62	0.02	0.06	-4.55e-04	0.41
208	138	0.34	0.02	8.68e-06	-0.13	0.0	3.76	0.52	-0.05	0.01	0.02	0.13
		0.13	1.08e-03	-2.60e-05	0.0	40.0	3.76	0.40	-0.05	0.01	1.08e-03	0.34
208	144	-0.06	0.02	-2.20e-04	-0.13	0.0	0.64	-1.28	-0.05	0.04	0.02	-0.06
		-0.58	3.38e-03	2.29e-04	0.0	40.0	0.64	-1.41	-0.05	0.04	3.38e-03	-0.58
208	147	1.33	-2.75e-03	1.25e-04	-0.13	0.0	-0.05	2.55	0.02	0.04	-8.22e-03	0.35
		0.35	-8.22e-03	-2.26e-04	0.0	40.0	-0.05	2.43	0.02	0.04	-2.75e-03	1.33
208	164	0.02	0.03	-8.76e-05	-0.13	0.0	3.73	-0.50	-0.06	0.01	0.03	0.02
		-0.18	2.54e-03	1.03e-04	0.0	40.0	3.73	-0.63	-0.06	0.01	2.54e-03	-0.18
208	167	0.93	-1.91e-03	-7.09e-06	-0.13	0.0	-3.14	1.78	0.02	0.06	-0.01	0.28
		0.28	-0.01	-9.98e-05	0.0	40.0	-3.14	1.65	0.02	0.06	-1.91e-03	0.93
208	169	0.42	-5.53e-04	-1.11e-04	-0.13	0.0	-3.60	0.76	0.02	0.07	-8.71e-03	0.17
		0.17	-8.71e-03	3.26e-05	0.0	40.0	-3.60	0.64	0.02	0.07	-5.53e-04	0.42
208	170	0.33	0.03	1.58e-05	-0.13	0.0	4.19	0.51	-0.06	7.57e-03	0.03	0.12
		0.12	1.18e-03	-2.93e-05	0.0	40.0	4.19	0.39	-0.06	7.57e-03	1.18e-03	0.33
208	176	-0.06	0.02	-2.25e-04	-0.13	0.0	0.69	-1.29	-0.05	0.04	0.02	-0.06
		-0.59	3.36e-03	2.27e-04	0.0	40.0	0.69	-1.42	-0.05	0.04	3.36e-03	-0.59
208	179	1.34	-2.73e-03	1.30e-04	-0.13	0.0	-0.10	2.57	0.02	0.04	-8.17e-03	0.35
		0.35	-8.17e-03	-2.23e-04	0.0	40.0	-0.10	2.44	0.02	0.04	-2.73e-03	1.34
208	196	0.02	0.03	-9.10e-05	-0.13	0.0	3.69	-0.51	-0.06	0.01	0.03	0.02
		-0.19	2.53e-03	1.05e-04	0.0	40.0	3.69	-0.64	-0.06	0.01	2.53e-03	-0.19
208	197	0.41	-3.39e-04	-1.12e-04	-0.13	0.0	-3.52	0.74	9.44e-03	0.07	-2.99e-03	0.17
		0.17	-2.99e-03	2.62e-05	0.0	40.0	-3.52	0.62	9.44e-03	0.07	-3.39e-04	0.41
208	198	0.34	0.02	1.72e-05	-0.13	0.0	4.11	0.53	-0.04	7.64e-03	0.02	0.12
		0.12	9.64e-04	-2.29e-05	0.0	40.0	4.11	0.40	-0.04	7.64e-03	9.64e-04	0.34
208	199	0.94	-1.91e-03	-3.77e-06	-0.13	0.0	-3.11	1.79	0.02	0.06	-0.01	0.28
		0.28	-0.01	-1.02e-04	0.0	40.0	-3.11	1.66	0.02	0.06	-1.91e-03	0.94
208	216	-0.10	5.87e-03	-2.62e-04	-0.13	0.0	0.77	-1.66	-0.02	0.04	5.87e-03	-0.10
		-0.78	3.06e-03	2.91e-04	0.0	40.0	0.77	-1.79	-0.02	0.04	3.06e-03	-0.78
208	219	1.53	0.01	1.67e-04	-0.13	0.0	-0.19	2.94	-0.02	0.04	0.01	0.39
		0.39	-2.44e-03	-2.87e-04	0.0	40.0	-0.19	2.81	-0.02	0.04	-2.44e-03	1.53
208	228	-9.07e-03	0.03	-1.01e-04	-0.13	0.0	4.25	-0.72	-0.07	9.23e-03	0.03	-9.07e-03
		-0.29	2.92e-03	1.24e-04	0.0	40.0	4.25	-0.85	-0.07	9.23e-03	2.92e-03	-0.29
208	231	1.04	-2.29e-03	6.66e-06	-0.13	0.0	-3.66	2.00	0.03	0.06	-0.01	0.30
		0.30	-0.01	-1.21e-04	0.0	40.0	-3.66	1.87	0.03	0.06	-2.29e-03	1.04
208	233	0.42	-7.03e-04	-1.23e-04	-0.13	0.0	-4.13	0.76	0.03	0.07	-0.01	0.17
		0.17	-0.01	3.60e-05	0.0	40.0	-4.13	0.63	0.03	0.07	-7.03e-04	0.42
208	234	0.33	0.03	2.82e-05	-0.13	0.0	4.72	0.52	-0.06	3.55e-03	0.03	0.12
		0.12	1.33e-03	-3.27e-05	0.0	40.0	4.72	0.39	-0.06	3.55e-03	1.33e-03	0.33
209	4	0.47	-1.09e-05	-4.95e-05	-0.16	0.0	0.57	-0.28	-0.02	-0.04	-1.09e-05	0.47
		0.32	-1.56e-03	2.10e-06	0.0	40.0	0.57	-0.45	-0.02	-0.04	-1.56e-03	0.32
209	16	0.55	4.90e-04	-3.94e-05	-0.16	0.0	0.77	-0.35	-0.02	-0.07	4.90e-04	0.55
		0.37	-1.01e-03	1.03e-06	0.0	40.0	0.77	-0.51	-0.02	-0.07	-1.01e-03	0.37
209	17	0.50	5.15e-04	-4.42e-05	-0.16	0.0	0.79	-0.30	-0.03	-0.07	5.15e-04	0.50
		0.34	-1.34e-03	1.48e-06	0.0	40.0	0.79	-0.46	-0.03	-0.07	-1.34e-03	0.34
209	19	0.43	7.26e-04	-2.74e-05	-0.13	0.0	0.72	-0.27	-0.02	-0.07	7.26e-04	0.43
		0.29	-6.65e-04	0.0	0.0	40.0	0.72	-0.40	-0.02	-0.07	-6.65e-04	0.29
209	46	0.37	2.74e-04	-3.16e-05	-0.13	0.0	-0.37	-0.30	0.04	0.16	2.74e-04	0.37
		0.22	3.36e-05	1.30e-06	0.0	40.0	-0.37	-0.43	0.04	0.16	3.36e-05	0.22
209	47	0.32	2.99e-04	-3.64e-05	-0.13	0.0	-0.35	-0.25	0.04	0.16	2.99e-04	0.32
		0.19	-3.01e-04	1.75e-06	0.0	40.0	-0.35	-0.38	0.04	0.16	-3.01e-04	0.19
209	68	0.37	3.83e-05	-3.64e-05	-0.13	0.0	0.40	-0.23	-0.01	-0.02	3.83e-05	0.37
		0.25	-1.08e-03	1.55e-06	0.0	40.0	0.40	-0.35	-0.01	-0.02	-1.08e-03	0.25
209	72	0.42	5.29e-04	-2.83e-05	-0.13	0.0	0.54	-0.27	-0.02	-0.05	5.29e-04	0.42
		0.29	-6.45e-04	0.0	0.0	40.0	0.54	-0.40	-0.02	-0.05	-6.45e-04	0.29
209	73	0.42	3.72e-04	-2.97e-05	-0.13	0.0	0.54	-0.27	-0.02	-0.05	3.72e-04	0.42
		0.29	-7.13e-04	0.0	0.0	40.0	0.54	-0.40	-0.02	-0.05	-7.13e-04	0.29
209	74	0.39	3.89e-04	-3.29e-05	-0.13	0.0	0.55	-0.24	-0.02	-0.04	3.89e-04	0.39
		0.27	-9.36e-04	1.13e-06	0.0	40.0	0.55	-0.36	-0.02	-0.04	-9.36e-04	0.27
209	86	0.38	2.28e-04	-3.11e-05	-0.13	0.0	-0.18	-0.29	0.03	0.11	2.28e-04	0.38
		0.24	-1.79e-04	1.33e-06	0.0	40.0	-0.18	-0.42	0.03	0.11	-1.79e-04	0.24
209	87	0.35	2.45e-04	-3.44e-05	-0.13	0.0	-0.17	-0.26	0.03	0.11	2.45e-04	0.35
		0.22	-4.02e-04	1.63e-06	0.0	40.0	-0.17	-0.38	0.03	0.11	-4.02e-04	0.22
209	98	0.37	5.41e-05	-3.35e-05	-0.13	0.0	0.19	-0.24	-1.16e-03	6.68e-03	5.41e-05	0.37
		0.25	-8.15e-04	1.65e-06	0.0	40.0	0.19	-0.37	-1.16e-03	6.68e-03	-8.15e-04	0.25
209	102	0.41	2.61e-04	-2.89e-05	-0.13	0.0	0.25	-0.28	-4.14e-03	-4.80e-03	2.61e-04	0.41
		0.27	-5.48e-04	1.19e-06	0.0	40.0	0.25	-0.40	-4.14e-03	-4.80e-03	-5.48e-04	0.27
209	103	0.38	1.41e-04	-3.27e-05	-0.13	0.0	0.26	-0.25	-4.33e-03	-3.79e-03	1.41e-04	0.38
		0.25	-7.98e-04	1.50e-06	0.0	40.0	0.26	-0.37	-4.33e-03	-3.79e-03	-7.98e-04	0.25
209	104	0.40	2.32e-04	-2.91e-05	-0.13	0.0	0.11	-0.28	5.12e-03	0.03	2.32e-04	0.40
		0.26	-4.41e-04	1.29e-06	0.0	40.0	0.11	-0.41	5.12e-03	0.03	-4.41e-04	0.26
209	105	0.37	1.12e-04	-3.30e-05	-0.13	0.0	0.11	-0.25	4.92e-03	0.03	1.12e-04	0.37

		0.25	-6.91e-04	1.60e-06	0.0	40.0	0.11	-0.38	4.92e-03	0.03	-6.91e-04	0.25
209	106	0.40	-1.94e-04	-2.90e-05	-0.13	0.0	0.18	-0.28	-9.34e-04	5.51e-03	-1.94e-04	0.40
		0.27	-5.23e-04	1.30e-06	0.0	40.0	0.18	-0.40	-9.34e-04	5.51e-03	-5.23e-04	0.27
209	107	0.38	7.41e-05	-3.29e-05	-0.13	0.0	0.18	-0.25	-1.13e-03	6.52e-03	7.41e-05	0.38
		0.25	-7.73e-04	1.60e-06	0.0	40.0	0.18	-0.37	-1.13e-03	6.52e-03	-7.73e-04	0.25
209	112	0.36	3.72e-03	-2.39e-04	-0.13	0.0	0.53	1.62	-0.01	5.82e-03	3.72e-03	-0.47
		-0.47	-9.73e-04	2.03e-04	0.0	40.0	0.53	1.49	-0.01	5.82e-03	-9.73e-04	0.36
209	115	1.23	-5.73e-04	1.73e-04	-0.13	0.0	-0.16	-2.11	8.51e-03	7.21e-03	-3.57e-03	1.23
		0.14	-3.57e-03	-2.00e-04	0.0	40.0	-0.16	-2.24	8.51e-03	7.21e-03	-5.73e-04	0.14
209	132	0.24	6.28e-03	-8.40e-05	-0.13	0.0	3.00	0.83	-0.02	-0.02	6.28e-03	-0.11
		-0.11	-2.01e-03	9.10e-05	0.0	40.0	3.00	0.70	-0.02	-0.02	-2.01e-03	0.24
209	133	0.40	5.79e-04	-1.07e-04	-0.13	0.0	-2.96	-0.31	0.01	0.04	-4.95e-03	0.40
		0.33	-4.95e-03	2.75e-05	0.0	40.0	-2.96	-0.43	0.01	0.04	5.79e-04	0.33
209	134	0.35	5.10e-03	4.15e-05	-0.13	0.0	3.33	-0.19	-0.02	-0.02	5.10e-03	0.35
		0.17	-2.13e-03	-2.43e-05	0.0	40.0	3.33	-0.32	-0.02	-0.02	-2.13e-03	0.17
209	135	0.87	4.66e-04	1.82e-05	-0.13	0.0	-2.63	-1.32	0.02	0.03	-6.13e-03	0.87
		0.26	-6.13e-03	-8.78e-05	0.0	40.0	-2.63	-1.45	0.02	0.03	4.66e-04	0.26
209	144	0.37	4.18e-03	-2.65e-04	-0.13	0.0	0.57	1.86	-0.01	5.75e-03	4.18e-03	-0.58
		-0.58	-9.98e-04	2.29e-04	0.0	40.0	0.57	1.73	-0.01	5.75e-03	-9.98e-04	0.37
209	147	1.33	-5.48e-04	1.99e-04	-0.13	0.0	-0.20	-2.35	9.73e-03	7.28e-03	-4.03e-03	1.33
		0.13	-4.03e-03	-2.26e-04	0.0	40.0	-0.20	-2.48	9.73e-03	7.28e-03	-5.48e-04	0.13
209	164	0.24	7.05e-03	-9.09e-05	-0.13	0.0	3.35	0.97	-0.02	-0.02	7.05e-03	-0.18
		-0.18	-2.17e-03	1.03e-04	0.0	40.0	3.35	0.84	-0.02	-0.02	-2.17e-03	0.24
209	165	0.41	7.47e-04	-1.16e-04	-0.13	0.0	-3.35	-0.32	0.02	0.04	-5.58e-03	0.41
		0.34	-5.58e-03	3.04e-05	0.0	40.0	-3.35	-0.44	0.02	0.04	7.47e-04	0.34
209	166	0.34	5.72e-03	5.05e-05	-0.13	0.0	3.72	-0.18	-0.02	-0.03	5.72e-03	0.34
		0.16	-2.29e-03	-2.72e-05	0.0	40.0	3.72	-0.31	-0.02	-0.03	-2.29e-03	0.16
209	167	0.93	6.20e-04	2.52e-05	-0.13	0.0	-2.98	-1.46	0.02	0.03	-6.90e-03	0.93
		0.26	-6.90e-03	-9.94e-05	0.0	40.0	-2.98	-1.59	0.02	0.03	6.20e-04	0.26
209	176	0.37	4.15e-03	-2.69e-04	-0.13	0.0	0.61	1.87	-0.01	5.81e-03	4.15e-03	-0.59
		-0.59	-9.96e-04	2.27e-04	0.0	40.0	0.61	1.75	-0.01	5.81e-03	-9.96e-04	0.37
209	179	1.34	-5.50e-04	2.03e-04	-0.13	0.0	-0.24	-2.37	9.64e-03	7.23e-03	-4.01e-03	1.34
		0.14	-4.01e-03	-2.23e-04	0.0	40.0	-0.24	-2.49	9.64e-03	7.23e-03	-5.50e-04	0.14
209	196	0.24	6.97e-03	-9.50e-05	-0.13	0.0	3.31	0.98	-0.02	-0.02	6.97e-03	-0.19
		-0.19	-2.14e-03	1.05e-04	0.0	40.0	3.31	0.86	-0.02	-0.02	-2.14e-03	0.24
209	197	0.41	7.17e-04	-1.14e-04	-0.13	0.0	-3.28	-0.33	0.02	0.04	-5.50e-03	0.41
		0.34	-5.50e-03	2.67e-05	0.0	40.0	-3.28	-0.45	0.02	0.04	7.17e-04	0.34
209	198	0.34	5.65e-03	4.82e-05	-0.13	0.0	3.65	-0.17	-0.02	-0.03	5.65e-03	0.34
		0.16	-2.26e-03	-2.35e-05	0.0	40.0	3.65	-0.30	-0.02	-0.03	-2.26e-03	0.16
209	199	0.94	5.94e-04	2.93e-05	-0.13	0.0	-2.94	-1.48	0.02	0.03	-6.82e-03	0.94
		0.26	-6.82e-03	-1.01e-04	0.0	40.0	-2.94	-1.61	0.02	0.03	5.94e-04	0.26
209	216	0.06	3.99e-03	-3.12e-04	-0.13	0.0	0.76	2.24	-0.01	5.65e-03	3.99e-03	-0.78
		-0.78	-1.10e-03	2.91e-04	0.0	40.0	0.76	2.11	-0.01	5.65e-03	-1.10e-03	0.06
209	219	1.53	-4.44e-04	2.46e-04	-0.13	0.0	-0.39	-2.74	9.49e-03	7.39e-03	-3.84e-03	1.53
		0.44	-3.84e-03	-2.87e-04	0.0	40.0	-0.39	-2.86	9.49e-03	7.39e-03	-4.44e-04	0.44
209	228	0.24	8.11e-03	-1.09e-04	-0.13	0.0	3.82	1.21	-0.03	-0.03	8.11e-03	-0.29
		-0.29	-2.36e-03	1.24e-04	0.0	40.0	3.82	1.09	-0.03	-0.03	-2.36e-03	0.24
209	229	0.42	9.57e-04	-1.26e-04	-0.13	0.0	-3.83	-0.35	0.02	0.04	-6.40e-03	0.42
		0.36	-6.40e-03	2.89e-05	0.0	40.0	-3.83	-0.47	0.02	0.04	9.57e-04	0.36
209	230	0.33	6.55e-03	6.04e-05	-0.13	0.0	4.20	-0.15	-0.02	-0.03	6.55e-03	0.33
		0.15	-2.50e-03	-2.57e-05	0.0	40.0	4.20	-0.27	-0.02	-0.03	-2.50e-03	0.15
209	231	1.04	8.13e-04	4.34e-05	-0.13	0.0	-3.45	-1.71	0.02	0.04	-7.96e-03	1.04
		0.27	-7.96e-03	-1.21e-04	0.0	40.0	-3.45	-1.83	0.02	0.04	8.13e-04	0.27
210	18	0.97	3.87e-05	-2.78e-05	-0.24	0.0	3.73	0.40	-6.33e-04	2.63e-04	3.87e-05	0.81
		0.81	-3.41e-04	1.30e-06	0.0	60.0	3.73	0.15	-6.33e-04	2.63e-04	-3.41e-04	0.97
210	19	0.75	4.97e-05	-2.28e-05	-0.19	0.0	2.47	0.32	-1.00e-03	1.31e-04	4.97e-05	0.61
		0.61	-5.53e-04	0.0	0.0	60.0	2.47	0.14	-1.00e-03	1.31e-04	-5.53e-04	0.75
210	21	0.74	4.36e-05	-2.18e-05	-0.19	0.0	3.03	0.31	-8.41e-04	1.83e-04	4.36e-05	0.61
		0.61	-4.61e-04	0.0	0.0	60.0	3.03	0.12	-8.41e-04	1.83e-04	-4.61e-04	0.74
210	33	1.01	1.40e-03	-2.84e-05	-0.24	0.0	1.70	0.41	2.47e-03	2.84e-04	-8.75e-05	0.84
		0.84	-8.75e-05	1.52e-06	0.0	60.0	1.70	0.17	2.47e-03	2.84e-04	1.40e-03	1.01
210	44	1.00	2.13e-03	-2.81e-05	-0.24	0.0	1.70	0.40	3.78e-03	3.26e-04	-1.41e-04	0.83
		0.83	-1.41e-04	1.94e-06	0.0	60.0	1.70	0.16	3.78e-03	3.26e-04	2.13e-03	1.00
210	45	0.78	1.92e-03	-2.30e-05	-0.19	0.0	0.44	0.33	3.41e-03	1.94e-04	-1.30e-04	0.63
		0.63	-1.30e-04	0.0	0.0	60.0	0.44	0.14	3.41e-03	1.94e-04	1.92e-03	0.78
210	72	0.75	2.94e-05	-2.27e-05	-0.19	0.0	2.22	0.32	-5.08e-04	1.53e-04	2.94e-05	0.61
		0.61	-2.75e-04	0.0	0.0	60.0	2.22	0.13	-5.08e-04	1.53e-04	-2.75e-04	0.75
210	74	0.74	2.54e-05	-2.20e-05	-0.19	0.0	2.59	0.31	-3.99e-04	1.87e-04	2.54e-05	0.61
		0.61	-2.14e-04	0.0	0.0	60.0	2.59	0.12	-3.99e-04	1.87e-04	-2.14e-04	0.74
210	75	0.75	2.48e-05	-2.16e-05	-0.19	0.0	2.67	0.31	-3.72e-04	1.97e-04	2.48e-05	0.62
		0.62	-1.98e-04	0.0	0.0	60.0	2.67	0.12	-3.72e-04	1.97e-04	-1.98e-04	0.75
210	81	0.77	9.60e-04	-2.20e-05	-0.19	0.0	1.31	0.32	1.70e-03	2.11e-04	-5.93e-05	0.64
		0.64	-5.93e-05	1.12e-06	0.0	60.0	1.31	0.13	1.70e-03	2.11e-04	9.60e-04	0.77
210	85	0.77	1.37e-03	-2.28e-05	-0.19	0.0	0.86	0.33	2.44e-03	1.95e-04	-9.03e-05	0.63
		0.63	-9.03e-05	0.0	0.0	60.0	0.86	0.14	2.44e-03	1.95e-04	1.37e-03	0.77

210	88	0.77	1.45e-03	-2.18e-05	-0.19	0.0	1.31	0.31	2.57e-03	2.39e-04	-9.49e-05	0.64
		0.64	-9.49e-05	1.39e-06	0.0	60.0	1.31	0.13	2.57e-03	2.39e-04	1.45e-03	0.77
210	103	0.75	2.07e-04	-2.20e-05	-0.19	0.0	2.04	0.31	3.55e-04	2.09e-04	-5.66e-06	0.62
		0.62	-5.66e-06	1.18e-06	0.0	60.0	2.04	0.13	3.55e-04	2.09e-04	2.07e-04	0.75
210	104	0.76	4.84e-04	-2.26e-05	-0.19	0.0	1.45	0.32	8.51e-04	1.88e-04	-2.61e-05	0.62
		0.62	-2.61e-05	0.0	0.0	60.0	1.45	0.14	8.51e-04	1.88e-04	4.84e-04	0.76
210	105	0.76	5.37e-04	-2.20e-05	-0.19	0.0	1.77	0.32	9.44e-04	2.18e-04	-2.96e-05	0.62
		0.62	-2.96e-05	1.27e-06	0.0	60.0	1.77	0.13	9.44e-04	2.18e-04	5.37e-04	0.76
210	106	0.76	2.63e-04	-2.25e-05	-0.19	0.0	1.60	0.32	4.54e-04	1.86e-04	-1.01e-05	0.62
		0.62	-1.01e-05	0.0	0.0	60.0	1.60	0.14	4.54e-04	1.86e-04	2.63e-04	0.76
210	107	0.75	3.15e-04	-2.20e-05	-0.19	0.0	1.92	0.31	5.47e-04	2.16e-04	-1.36e-05	0.62
		0.62	-1.36e-05	1.26e-06	0.0	60.0	1.92	0.13	5.47e-04	2.16e-04	3.15e-04	0.75
210	112	0.24	1.41e-03	1.30e-04	-0.19	0.0	3.51	-2.16	2.33e-03	-6.98e-03	1.00e-05	0.24
		-1.10	1.00e-05	1.98e-04	0.0	60.0	3.51	-2.35	2.33e-03	-6.98e-03	1.41e-03	-1.10
210	115	2.61	-3.72e-05	-1.74e-04	-0.19	0.0	0.34	2.79	-1.24e-03	7.41e-03	-3.72e-05	1.00
		1.00	-7.78e-04	-1.96e-04	0.0	60.0	0.34	2.60	-1.24e-03	7.41e-03	-7.78e-04	2.61
210	132	0.40	9.63e-04	2.64e-05	-0.19	0.0	5.15	-1.12	1.61e-03	1.66e-03	0.0	0.40
		-0.33	0.0	7.71e-05	0.0	60.0	5.15	-1.31	1.61e-03	1.66e-03	9.63e-04	-0.33
210	135	1.83	-2.76e-05	-7.03e-05	-0.19	0.0	-1.31	1.75	-5.12e-04	-1.23e-03	-2.76e-05	0.84
		0.84	-3.34e-04	-7.46e-05	0.0	60.0	-1.31	1.56	-5.12e-04	-1.23e-03	-3.34e-04	1.83
210	144	0.19	1.55e-03	1.50e-04	-0.19	0.0	3.70	-2.48	2.56e-03	-7.88e-03	1.30e-05	0.19
		-1.34	1.30e-05	2.23e-04	0.0	60.0	3.70	-2.66	2.56e-03	-7.88e-03	1.55e-03	-1.34
210	147	2.85	-4.01e-05	-1.94e-04	-0.19	0.0	0.14	3.11	-1.46e-03	8.31e-03	-4.01e-05	1.05
		1.05	-9.16e-04	-2.21e-04	0.0	60.0	0.14	2.92	-1.46e-03	8.31e-03	-9.16e-04	2.85
210	164	0.37	1.05e-03	3.28e-05	-0.19	0.0	5.55	-1.31	1.74e-03	1.84e-03	2.25e-06	0.37
		-0.47	2.25e-06	8.70e-05	0.0	60.0	5.55	-1.50	1.74e-03	1.84e-03	1.05e-03	-0.47
210	167	1.97	-2.94e-05	-7.68e-05	-0.19	0.0	-1.71	1.94	-6.48e-04	-1.41e-03	-2.94e-05	0.87
		0.87	-4.17e-04	-8.45e-05	0.0	60.0	-1.71	1.75	-6.48e-04	-1.41e-03	-4.17e-04	1.97
210	176	0.19	1.55e-03	1.52e-04	-0.19	0.0	3.68	-2.49	2.56e-03	-7.51e-03	1.30e-05	0.19
		-1.36	1.30e-05	2.23e-04	0.0	60.0	3.68	-2.68	2.56e-03	-7.51e-03	1.55e-03	-1.36
210	179	2.86	-4.01e-05	-1.96e-04	-0.19	0.0	0.17	3.12	-1.46e-03	7.94e-03	-4.01e-05	1.05
		1.05	-9.16e-04	-2.20e-04	0.0	60.0	0.17	2.94	-1.46e-03	7.94e-03	-9.16e-04	2.86
210	196	0.37	1.05e-03	3.57e-05	-0.19	0.0	5.49	-1.33	1.75e-03	1.86e-03	2.36e-06	0.37
		-0.48	2.36e-06	8.95e-05	0.0	60.0	5.49	-1.52	1.75e-03	1.86e-03	1.05e-03	-0.48
210	199	1.99	-2.95e-05	-7.97e-05	-0.19	0.0	-1.65	1.96	-6.59e-04	-1.43e-03	-2.95e-05	0.88
		0.88	-4.24e-04	-8.70e-05	0.0	60.0	-1.65	1.77	-6.59e-04	-1.43e-03	-4.24e-04	1.99
210	208	0.12	1.76e-03	1.84e-04	-0.19	0.0	3.97	-3.00	2.91e-03	-8.65e-03	1.78e-05	0.12
		-1.74	1.78e-05	2.62e-04	0.0	60.0	3.97	-3.19	2.91e-03	-8.65e-03	1.76e-03	-1.74
210	211	3.24	-4.49e-05	-2.28e-04	-0.19	0.0	-0.13	3.63	-1.82e-03	9.09e-03	-4.49e-05	1.12
		1.12	-1.13e-03	-2.59e-04	0.0	60.0	-0.13	3.44	-1.82e-03	9.09e-03	-1.13e-03	3.24
210	216	0.11	1.63e-03	2.00e-04	-0.19	0.0	3.87	-3.03	2.70e-03	0.01	1.60e-05	0.11
		-1.76	1.60e-05	2.86e-04	0.0	60.0	3.87	-3.22	2.70e-03	0.01	1.63e-03	-1.76
210	219	3.27	-4.31e-05	-2.44e-04	-0.19	0.0	-0.03	3.66	-1.60e-03	-0.01	-4.31e-05	1.13
		1.13	-1.00e-03	-2.83e-04	0.0	60.0	-0.03	3.47	-1.60e-03	-0.01	-1.00e-03	3.27
210	228	0.32	1.19e-03	4.77e-05	-0.19	0.0	6.07	-1.63	1.98e-03	2.19e-03	5.33e-06	0.32
		-0.71	5.33e-06	1.07e-04	0.0	60.0	6.07	-1.82	1.98e-03	2.19e-03	1.19e-03	-0.71
210	231	2.22	-3.24e-05	-9.16e-05	-0.19	0.0	-2.23	2.26	-8.82e-04	-1.76e-03	-3.24e-05	0.92
		0.92	-5.61e-04	-1.04e-04	0.0	60.0	-2.23	2.07	-8.82e-04	-1.76e-03	-5.61e-04	2.22
211	11	0.32	-3.84e-03	-1.72e-05	-0.12	0.0	0.07	0.26	-0.02	-0.06	-3.84e-03	0.26
		0.26	-7.52e-03	1.07e-06	0.0	30.0	0.07	0.13	-0.02	-0.06	-7.52e-03	0.32
211	19	0.24	-5.15e-03	-8.75e-06	-0.09	0.0	0.58	0.15	-0.06	-0.10	-5.15e-03	0.21
		0.21	-0.02	0.0	0.0	30.0	0.58	0.05	-0.06	-0.10	-0.02	0.24
211	31	0.24	0.02	-1.42e-05	-0.09	0.0	-0.88	0.20	0.07	0.12	5.68e-03	0.20
		0.20	5.68e-03	0.0	0.0	30.0	-0.88	0.11	0.07	0.12	0.02	0.24
211	44	0.32	0.04	-1.66e-05	-0.12	0.0	-1.30	0.26	0.12	0.20	9.84e-03	0.26
		0.26	9.84e-03	0.0	0.0	30.0	-1.30	0.13	0.12	0.20	0.04	0.32
211	71	0.25	-2.60e-03	-1.25e-05	-0.09	0.0	0.02	0.19	-0.02	-0.04	-2.60e-03	0.20
		0.20	-4.91e-03	0.0	0.0	30.0	0.02	0.10	-0.02	-0.04	-4.91e-03	0.25
211	72	0.24	-3.59e-03	-9.09e-06	-0.09	0.0	0.30	0.15	-0.04	-0.07	-3.59e-03	0.21
		0.21	-0.01	0.0	0.0	30.0	0.30	0.06	-0.04	-0.07	-0.01	0.24
211	79	0.24	0.02	-1.27e-05	-0.09	0.0	-0.67	0.19	0.05	0.08	3.63e-03	0.20
		0.20	3.63e-03	0.0	0.0	30.0	-0.67	0.10	0.05	0.08	0.02	0.24
211	88	0.24	0.02	-1.20e-05	-0.09	0.0	-0.89	0.19	0.08	0.13	6.52e-03	0.20
		0.20	6.52e-03	0.0	0.0	30.0	-0.89	0.10	0.08	0.13	0.02	0.24
211	101	0.24	1.79e-03	-1.15e-05	-0.09	0.0	-0.29	0.18	7.36e-03	-4.26e-04	-5.85e-04	0.20
		0.20	-5.85e-04	0.0	0.0	30.0	-0.29	0.09	7.36e-03	-4.26e-04	1.79e-03	0.24
211	102	0.24	-1.05e-03	-9.10e-06	-0.09	0.0	-0.13	0.16	-3.06e-03	-0.01	-1.05e-03	0.20
		0.20	-1.13e-03	0.0	0.0	30.0	-0.13	0.06	-3.06e-03	-0.01	-1.13e-03	0.24
211	103	0.24	-6.32e-04	-1.13e-05	-0.09	0.0	-0.18	0.18	-9.33e-04	-0.01	-1.20e-03	0.20
		0.20	-1.20e-03	0.0	0.0	30.0	-0.18	0.08	-9.33e-04	-0.01	-6.32e-04	0.24
211	105	0.24	6.08e-03	-1.13e-05	-0.09	0.0	-0.40	0.18	0.02	0.03	8.69e-04	0.20
		0.20	8.69e-04	0.0	0.0	30.0	-0.40	0.08	0.02	0.03	6.08e-03	0.24
211	106	0.24	1.22e-03	-9.11e-06	-0.09	0.0	-0.24	0.16	4.94e-03	-4.86e-04	-4.12e-04	0.20
		0.20	-4.12e-04	0.0	0.0	30.0	-0.24	0.06	4.94e-03	-4.86e-04	1.22e-03	0.24
211	107	0.24	1.72e-03	-1.13e-05	-0.09	0.0	-0.28	0.18	7.07e-03	-4.28e-04	-5.64e-04	0.20

		0.20	-5.64e-04	0.0	0.0	30.0	-0.28	0.08	7.07e-03	-4.28e-04	1.72e-03	0.24
211	112	0.41	2.07e-03	-8.77e-05	-0.09	0.0	2.58	2.13	7.32e-03	-0.02	1.46e-04	-0.22
		-0.22	1.46e-04	1.35e-04	0.0	30.0	2.58	2.04	7.32e-03	-0.02	2.07e-03	0.41
211	115	0.62	1.37e-03	6.51e-05	-0.09	0.0	-3.15	-1.78	6.81e-03	0.02	-1.27e-03	0.62
		0.07	-1.27e-03	-1.33e-04	0.0	30.0	-3.15	-1.87	6.81e-03	0.02	1.37e-03	0.07
211	125	0.35	4.35e-03	-2.15e-05	-0.09	0.0	-3.93	1.28	0.02	0.03	-2.32e-03	-0.03
		-0.03	-2.32e-03	5.97e-05	0.0	30.0	-3.93	1.19	0.02	0.03	4.35e-03	0.35
211	128	0.22	1.17e-03	-4.66e-05	-0.09	0.0	4.66	0.11	-5.54e-03	-0.03	1.17e-03	0.21
		0.21	-3.23e-04	2.22e-05	0.0	30.0	4.66	0.01	-5.54e-03	-0.03	-3.23e-04	0.22
211	129	0.35	4.34e-03	-1.95e-05	-0.09	0.0	-3.80	1.25	0.02	0.03	-2.48e-03	-0.02
		-0.02	-2.48e-03	6.32e-05	0.0	30.0	-3.80	1.16	0.02	0.03	4.34e-03	0.35
211	131	0.26	3.76e-03	2.40e-05	-0.09	0.0	-5.23	0.25	0.02	0.03	-2.30e-03	0.19
		0.19	-2.30e-03	-2.05e-05	0.0	30.0	-5.23	0.15	0.02	0.03	3.76e-03	0.26
211	144	0.44	2.12e-03	-9.75e-05	-0.09	0.0	2.95	2.38	7.36e-03	-0.02	2.34e-04	-0.27
		-0.27	2.34e-04	1.52e-04	0.0	30.0	2.95	2.29	7.36e-03	-0.02	2.12e-03	0.44
211	147	0.67	1.32e-03	7.50e-05	-0.09	0.0	-3.51	-2.03	6.78e-03	0.02	-1.36e-03	0.67
		0.04	-1.36e-03	-1.50e-04	0.0	30.0	-3.51	-2.12	6.78e-03	0.02	1.32e-03	0.04
211	157	0.37	4.68e-03	-2.30e-05	-0.09	0.0	-4.39	1.42	0.02	0.03	-2.54e-03	-0.06
		-0.06	-2.54e-03	6.74e-05	0.0	30.0	-4.39	1.33	0.02	0.03	4.68e-03	0.37
211	160	0.22	1.39e-03	-5.11e-05	-0.09	0.0	5.28	0.10	-7.11e-03	-0.03	1.39e-03	0.21
		0.21	-5.77e-04	2.49e-05	0.0	30.0	5.28	3.80e-03	-7.11e-03	-0.03	-5.77e-04	0.22
211	161	0.36	4.67e-03	-2.08e-05	-0.09	0.0	-4.23	1.39	0.02	0.04	-2.71e-03	-0.05
		-0.05	-2.71e-03	7.14e-05	0.0	30.0	-4.23	1.30	0.02	0.04	4.67e-03	0.36
211	163	0.26	4.02e-03	2.86e-05	-0.09	0.0	-5.85	0.25	0.02	0.03	-2.52e-03	0.19
		0.19	-2.52e-03	-2.32e-05	0.0	30.0	-5.85	0.16	0.02	0.03	4.02e-03	0.26
211	176	0.44	2.13e-03	-9.94e-05	-0.09	0.0	2.94	2.39	7.38e-03	-0.02	2.10e-04	-0.27
		-0.27	2.10e-04	1.51e-04	0.0	30.0	2.94	2.30	7.38e-03	-0.02	2.13e-03	0.44
211	179	0.67	1.31e-03	7.68e-05	-0.09	0.0	-3.51	-2.04	6.75e-03	0.02	-1.34e-03	0.67
		0.04	-1.34e-03	-1.50e-04	0.0	30.0	-3.51	-2.14	6.75e-03	0.02	1.31e-03	0.04
211	192	0.22	1.36e-03	-5.15e-05	-0.09	0.0	5.22	0.10	-6.89e-03	-0.03	1.36e-03	0.21
		0.21	-5.41e-04	2.38e-05	0.0	30.0	5.22	1.00e-02	-6.89e-03	-0.03	-5.41e-04	0.22
211	193	0.37	4.65e-03	-2.27e-05	-0.09	0.0	-4.10	1.43	0.02	0.04	-2.68e-03	-0.06
		-0.06	-2.68e-03	7.47e-05	0.0	30.0	-4.10	1.34	0.02	0.04	4.65e-03	0.37
211	195	0.26	3.98e-03	2.89e-05	-0.09	0.0	-5.78	0.25	0.02	0.03	-2.49e-03	0.19
		0.19	-2.49e-03	-2.21e-05	0.0	30.0	-5.78	0.15	0.02	0.03	3.98e-03	0.26
211	216	0.47	2.26e-03	-1.12e-04	-0.09	0.0	4.31	2.81	7.94e-03	4.53e-03	-3.19e-04	-0.36
		-0.36	-3.19e-04	2.05e-04	0.0	30.0	4.31	2.71	7.94e-03	4.53e-03	2.26e-03	0.47
211	219	0.76	1.19e-03	8.98e-05	-0.09	0.0	-4.88	-2.45	6.19e-03	-5.38e-03	-8.08e-04	0.76
		5.28e-03	-8.08e-04	-2.03e-04	0.0	30.0	-4.88	-2.55	6.19e-03	-5.38e-03	1.19e-03	5.28e-03
211	224	0.22	1.68e-03	-5.88e-05	-0.09	0.0	6.13	0.10	-9.15e-03	-0.04	1.68e-03	0.22
		0.22	-9.04e-04	2.82e-05	0.0	30.0	6.13	5.93e-03	-9.15e-03	-0.04	-9.04e-04	0.22
211	225	0.39	5.15e-03	-2.63e-05	-0.09	0.0	-4.67	1.68	0.03	0.04	-3.03e-03	-0.12
		-0.12	-3.03e-03	9.03e-05	0.0	30.0	-4.67	1.59	0.03	0.04	5.15e-03	0.39
211	227	0.26	4.35e-03	3.63e-05	-0.09	0.0	-6.70	0.25	0.02	0.03	-2.80e-03	0.19
		0.19	-2.80e-03	-2.64e-05	0.0	30.0	-6.70	0.16	0.02	0.03	4.35e-03	0.26
212	11	0.34	-3.90e-03	-1.36e-05	-0.12	0.0	0.12	0.12	2.77e-03	-0.02	-6.22e-03	0.32
		0.32	-6.22e-03	1.32e-06	0.0	30.0	0.12	2.53e-03	2.77e-03	-0.02	-3.90e-03	0.34
212	19	0.24	-5.64e-03	-6.12e-06	-0.09	0.0	0.44	0.05	0.03	-0.03	-0.01	0.24
		0.24	-0.01	0.0	0.0	30.0	0.44	-0.04	0.03	-0.03	-5.64e-03	0.24
212	44	0.33	0.03	-1.29e-05	-0.12	0.0	-0.74	0.11	-0.07	0.03	0.03	0.32
		0.32	0.01	1.29e-06	0.0	30.0	-0.74	-9.01e-03	-0.07	0.03	0.01	0.33
212	45	0.24	0.03	-5.99e-06	-0.09	0.0	-0.64	0.05	-0.06	0.04	0.03	0.23
		0.23	0.01	0.0	0.0	30.0	-0.64	-0.04	-0.06	0.04	0.01	0.23
212	71	0.26	-2.63e-03	-9.68e-06	-0.09	0.0	0.07	0.09	1.18e-03	-0.01	-4.03e-03	0.25
		0.25	-4.03e-03	0.0	0.0	30.0	0.07	-5.42e-03	1.18e-03	-0.01	-2.63e-03	0.26
212	72	0.24	-3.87e-03	-6.42e-06	-0.09	0.0	0.26	0.06	0.01	-0.02	-9.25e-03	0.24
		0.24	-9.25e-03	0.0	0.0	30.0	0.26	-0.04	0.01	-0.02	-3.87e-03	0.24
212	85	0.24	0.02	-6.33e-06	-0.09	0.0	-0.46	0.05	-0.04	0.02	0.02	0.24
		0.24	7.20e-03	0.0	0.0	30.0	-0.46	-0.04	-0.04	0.02	7.20e-03	0.24
212	88	0.25	0.02	-9.22e-06	-0.09	0.0	-0.50	0.08	-0.05	0.02	0.02	0.24
		0.24	7.05e-03	0.0	0.0	30.0	-0.50	-0.01	-0.05	0.02	7.05e-03	0.25
212	101	0.25	1.97e-03	-8.70e-06	-0.09	0.0	-0.13	0.08	-9.94e-03	-5.92e-03	1.97e-03	0.24
		0.24	-4.09e-04	1.07e-06	0.0	30.0	-0.13	-0.02	-9.94e-03	-5.92e-03	-4.09e-04	0.25
212	102	0.24	-7.58e-04	-6.40e-06	-0.09	0.0	-0.03	0.06	-2.88e-03	-7.65e-03	-7.58e-04	0.24
		0.24	-1.01e-03	0.0	0.0	30.0	-0.03	-0.04	-2.88e-03	-7.65e-03	-1.01e-03	0.24
212	103	0.25	-2.28e-04	-8.55e-06	-0.09	0.0	-0.06	0.07	-5.35e-03	-8.67e-03	-2.28e-04	0.24
		0.24	-1.11e-03	1.00e-06	0.0	30.0	-0.06	-0.02	-5.35e-03	-8.67e-03	-1.11e-03	0.25
212	104	0.24	5.27e-03	-6.38e-06	-0.09	0.0	-0.17	0.06	-0.01	8.05e-04	5.27e-03	0.24
		0.24	1.20e-03	0.0	0.0	30.0	-0.17	-0.04	-0.01	8.05e-04	1.20e-03	0.24
212	105	0.25	5.80e-03	-8.53e-06	-0.09	0.0	-0.20	0.07	-0.02	-2.21e-04	5.80e-03	0.24
		0.24	1.11e-03	1.02e-06	0.0	30.0	-0.20	-0.02	-0.02	-2.21e-04	1.11e-03	0.25
212	106	0.24	1.36e-03	-6.39e-06	-0.09	0.0	-0.10	0.06	-7.15e-03	-4.82e-03	1.36e-03	0.24
		0.24	-2.96e-04	0.0	0.0	30.0	-0.10	-0.04	-7.15e-03	-4.82e-03	-2.96e-04	0.24
212	107	0.25	1.90e-03	-8.54e-06	-0.09	0.0	-0.13	0.07	-9.62e-03	-5.84e-03	1.90e-03	0.24
		0.24	-3.94e-04	1.06e-06	0.0	30.0	-0.13	-0.02	-9.62e-03	-5.84e-03	-3.94e-04	0.25

212	109	1.01	2.40e-03	-8.53e-05	-0.09	0.0	-2.99	2.02	-0.01	-0.01	2.40e-03	0.42
		0.42	-7.99e-04	1.78e-04	0.0	30.0	-2.99	1.93	-0.01	-0.01	-7.99e-04	1.01
212	110	0.06	1.39e-03	6.82e-05	-0.09	0.0	2.74	-1.88	-7.26e-03	2.32e-03	1.39e-03	0.06
		-0.51	9.98e-06	-1.76e-04	0.0	30.0	2.74	-1.97	-7.26e-03	2.32e-03	9.98e-06	-0.51
212	128	0.22	3.22e-03	-4.44e-05	-0.09	0.0	1.24	-8.21e-03	-0.02	-0.01	3.22e-03	0.22
		0.21	-1.70e-04	2.88e-05	0.0	30.0	1.24	-0.10	-0.02	-0.01	-1.70e-04	0.21
212	129	0.68	1.09e-03	-1.64e-05	-0.09	0.0	-3.04	1.16	-6.21e-03	4.68e-03	1.09e-03	0.35
		0.35	-8.05e-04	7.06e-05	0.0	30.0	-3.04	1.07	-6.21e-03	4.68e-03	-8.05e-04	0.68
212	137	0.23	2.56e-03	-3.93e-05	-0.09	0.0	-4.08	-0.02	-0.01	-6.73e-03	2.56e-03	0.23
		0.22	-6.61e-04	2.96e-05	0.0	30.0	-4.08	-0.11	-0.01	-6.73e-03	-6.61e-04	0.22
212	138	0.28	1.23e-03	2.23e-05	-0.09	0.0	3.83	0.16	-6.61e-03	-4.96e-03	1.23e-03	0.25
		0.25	-1.28e-04	-2.75e-05	0.0	30.0	3.83	0.07	-6.61e-03	-4.96e-03	-1.28e-04	0.28
212	141	1.11	2.46e-03	-9.52e-05	-0.09	0.0	-3.35	2.27	-0.01	-0.02	2.46e-03	0.44
		0.44	-8.49e-04	2.00e-04	0.0	30.0	-3.35	2.18	-0.01	-0.02	-8.49e-04	1.11
212	142	0.04	1.33e-03	7.81e-05	-0.09	0.0	3.10	-2.12	-6.96e-03	3.35e-03	1.33e-03	0.04
		-0.61	5.98e-05	-1.98e-04	0.0	30.0	3.10	-2.22	-6.96e-03	3.35e-03	5.98e-05	-0.61
212	157	0.75	9.72e-04	-2.02e-05	-0.09	0.0	-3.29	1.33	-5.74e-03	-1.07e-03	9.72e-04	0.37
		0.37	-8.55e-04	8.25e-05	0.0	30.0	-3.29	1.24	-5.74e-03	-1.07e-03	-8.55e-04	0.75
212	160	0.22	3.38e-03	-4.90e-05	-0.09	0.0	1.41	-0.02	-0.02	-0.01	3.38e-03	0.22
		0.20	-1.42e-04	3.21e-05	0.0	30.0	1.41	-0.11	-0.02	-0.01	-1.42e-04	0.20
212	169	0.23	2.64e-03	-4.32e-05	-0.09	0.0	-4.58	-0.03	-0.01	-6.84e-03	2.64e-03	0.23
		0.21	-6.92e-04	3.31e-05	0.0	30.0	-4.58	-0.12	-0.01	-6.84e-03	-6.92e-04	0.21
212	170	0.28	1.15e-03	2.62e-05	-0.09	0.0	4.32	0.17	-6.26e-03	-4.85e-03	1.15e-03	0.25
		0.25	-9.65e-05	-3.10e-05	0.0	30.0	4.32	0.08	-6.26e-03	-4.85e-03	-9.65e-05	0.28
212	173	1.11	2.40e-03	-9.63e-05	-0.09	0.0	-3.36	2.29	-0.01	-0.01	2.40e-03	0.44
		0.44	-8.18e-04	1.97e-04	0.0	30.0	-3.36	2.19	-0.01	-0.01	-8.18e-04	1.11
212	174	0.04	1.39e-03	7.92e-05	-0.09	0.0	3.11	-2.14	-7.24e-03	2.91e-03	1.39e-03	0.04
		-0.61	2.90e-05	-1.95e-04	0.0	30.0	3.11	-2.23	-7.24e-03	2.91e-03	2.90e-05	-0.61
212	188	0.22	3.33e-03	-5.12e-05	-0.09	0.0	1.51	2.55e-03	-0.02	-0.02	3.33e-03	0.22
		0.21	-1.52e-04	3.17e-05	0.0	30.0	1.51	-0.09	-0.02	-0.02	-1.52e-04	0.21
212	189	0.75	9.77e-04	-2.12e-05	-0.09	0.0	-3.28	1.35	-5.78e-03	-1.03e-03	9.77e-04	0.37
		0.37	-8.30e-04	8.36e-05	0.0	30.0	-3.28	1.26	-5.78e-03	-1.03e-03	-8.30e-04	0.75
212	201	0.23	2.56e-03	-4.33e-05	-0.09	0.0	-4.54	-0.02	-0.01	-6.73e-03	2.56e-03	0.23
		0.22	-6.67e-04	3.14e-05	0.0	30.0	-4.54	-0.11	-0.01	-6.73e-03	-6.67e-04	0.22
212	202	0.28	1.23e-03	2.62e-05	-0.09	0.0	4.28	0.17	-6.62e-03	-4.96e-03	1.23e-03	0.25
		0.25	-1.22e-04	-2.92e-05	0.0	30.0	4.28	0.07	-6.62e-03	-4.96e-03	-1.22e-04	0.28
212	213	1.27	2.45e-03	-1.08e-04	-0.09	0.0	-4.63	2.70	-0.01	0.01	2.45e-03	0.48
		0.48	-8.55e-04	2.31e-04	0.0	30.0	-4.63	2.60	-0.01	0.01	-8.55e-04	1.27
212	214	1.71e-03	1.34e-03	9.04e-05	-0.09	0.0	4.38	-2.55	-7.01e-03	-0.02	1.34e-03	1.71e-03
		-0.78	6.66e-05	-2.29e-04	0.0	30.0	4.38	-2.65	-7.01e-03	-0.02	6.66e-05	-0.78
212	220	0.22	3.55e-03	-5.82e-05	-0.09	0.0	1.79	-0.02	-0.02	-0.02	3.55e-03	0.22
		0.20	-1.11e-04	3.52e-05	0.0	30.0	1.79	-0.11	-0.02	-0.02	-1.11e-04	0.20
212	221	0.85	8.19e-04	-2.42e-05	-0.09	0.0	-3.82	1.59	-5.12e-03	-1.55e-04	8.19e-04	0.39
		0.39	-8.96e-04	9.86e-05	0.0	30.0	-3.82	1.49	-5.12e-03	-1.55e-04	-8.96e-04	0.85
212	233	0.23	2.64e-03	-4.95e-05	-0.09	0.0	-5.28	-0.03	-0.01	-6.80e-03	2.64e-03	0.23
		0.21	-7.06e-04	3.65e-05	0.0	30.0	-5.28	-0.12	-0.01	-6.80e-03	-7.06e-04	0.21
212	234	0.28	1.15e-03	3.24e-05	-0.09	0.0	5.03	0.17	-6.24e-03	-4.89e-03	1.15e-03	0.25
		0.25	-8.30e-05	-3.44e-05	0.0	30.0	5.03	0.08	-6.24e-03	-4.89e-03	-8.30e-05	0.28
213	18	-0.24	6.60e-03	9.73e-05	-0.24	0.0	2.53	-1.35	0.01	2.63e-04	6.44e-06	-0.24
		-1.12	6.44e-06	1.55e-06	0.0	60.0	2.53	-1.59	0.01	2.63e-04	6.60e-03	-1.12
213	19	-0.03	3.07e-03	7.13e-05	-0.19	0.0	1.63	-0.77	5.27e-03	1.31e-04	-9.74e-05	-0.03
		-0.55	-9.74e-05	0.0	0.0	60.0	1.63	-0.96	5.27e-03	1.31e-04	3.07e-03	-0.55
213	28	-0.31	8.49e-03	1.00e-04	-0.24	0.0	0.99	-1.48	0.01	3.43e-04	4.52e-04	-0.31
		-1.27	4.52e-04	2.13e-06	0.0	60.0	0.99	-1.73	0.01	3.43e-04	8.49e-03	-1.27
213	45	-0.04	4.62e-03	7.41e-05	-0.19	0.0	-0.64	-0.81	6.91e-03	1.94e-04	4.78e-04	-0.04
		-0.58	4.78e-04	0.0	0.0	60.0	-0.64	-0.99	6.91e-03	1.94e-04	4.62e-03	-0.58
213	72	-0.05	3.39e-03	7.20e-05	-0.19	0.0	1.33	-0.80	5.69e-03	1.53e-04	-2.82e-05	-0.05
		-0.59	-2.82e-05	0.0	0.0	60.0	1.33	-0.99	5.69e-03	1.53e-04	3.39e-03	-0.59
213	75	-0.16	4.78e-03	7.44e-05	-0.19	0.0	1.74	-0.99	7.94e-03	1.97e-04	1.41e-05	-0.16
		-0.81	1.41e-05	1.15e-06	0.0	60.0	1.74	-1.18	7.94e-03	1.97e-04	4.78e-03	-0.81
213	80	-0.21	6.04e-03	7.65e-05	-0.19	0.0	0.71	-1.08	9.55e-03	2.51e-04	3.11e-04	-0.21
		-0.91	3.11e-04	1.53e-06	0.0	60.0	0.71	-1.27	9.55e-03	2.51e-04	6.04e-03	-0.91
213	85	-0.06	4.43e-03	7.39e-05	-0.19	0.0	-0.18	-0.82	6.78e-03	1.95e-04	3.56e-04	-0.06
		-0.61	3.56e-04	0.0	0.0	60.0	-0.18	-1.01	6.78e-03	1.95e-04	4.43e-03	-0.61
213	98	-0.15	4.90e-03	7.42e-05	-0.19	0.0	1.00	-0.98	7.93e-03	2.21e-04	1.36e-04	-0.15
		-0.80	1.36e-04	1.40e-06	0.0	60.0	1.00	-1.17	7.93e-03	2.21e-04	4.90e-03	-0.80
213	102	-0.05	3.64e-03	7.29e-05	-0.19	0.0	0.78	-0.81	5.94e-03	1.80e-04	7.40e-05	-0.05
		-0.60	7.40e-05	0.0	0.0	60.0	0.78	-1.00	5.94e-03	1.80e-04	3.64e-03	-0.60
213	103	-0.14	4.66e-03	7.38e-05	-0.19	0.0	1.08	-0.96	7.60e-03	2.09e-04	1.05e-04	-0.14
		-0.77	1.05e-04	1.28e-06	0.0	60.0	1.08	-1.14	7.60e-03	2.09e-04	4.66e-03	-0.77
213	104	-0.06	3.84e-03	7.32e-05	-0.19	0.0	0.47	-0.82	6.16e-03	1.88e-04	1.51e-04	-0.06
		-0.60	1.51e-04	1.02e-06	0.0	60.0	0.47	-1.01	6.16e-03	1.88e-04	3.84e-03	-0.60
213	106	-0.06	3.70e-03	7.31e-05	-0.19	0.0	0.64	-0.82	6.00e-03	1.86e-04	9.96e-05	-0.06
		-0.60	9.96e-05	1.04e-06	0.0	60.0	0.64	-1.01	6.00e-03	1.86e-04	3.70e-03	-0.60
213	107	-0.14	4.73e-03	7.40e-05	-0.19	0.0	0.95	-0.96	7.66e-03	2.16e-04	1.31e-04	-0.14

		-0.77	1.31e-04	1.35e-06	0.0	60.0	0.95	-1.15	7.66e-03	2.16e-04	4.73e-03	-0.77
213	112	-3.92	3.55e-03	2.42e-04	-0.19	0.0	-0.94	-7.10	5.92e-03	-6.98e-03	1.93e-04	-3.92
		-8.24	1.93e-04	1.98e-04	0.0	60.0	-0.94	-7.29	5.92e-03	-6.98e-03	3.55e-03	-8.24
213	115	6.70	5.90e-03	-9.37e-05	-0.19	0.0	2.83	5.18	9.39e-03	7.41e-03	6.91e-05	3.65
		3.65	6.91e-05	-1.95e-04	0.0	60.0	2.83	4.99	9.39e-03	7.41e-03	5.90e-03	6.70
213	125	-2.29	7.61e-03	1.37e-04	-0.19	0.0	-3.45	-4.46	0.01	1.79e-03	3.65e-04	-2.29
		-5.02	3.65e-04	8.22e-05	0.0	60.0	-3.45	-4.65	0.01	1.79e-03	7.61e-03	-5.02
213	126	3.48	1.84e-03	1.10e-05	-0.19	0.0	5.34	2.54	3.14e-03	-1.36e-03	-1.03e-04	2.02
		2.02	-1.03e-04	-7.95e-05	0.0	60.0	5.34	2.35	3.14e-03	-1.36e-03	1.84e-03	3.48
213	127	-0.23	7.85e-03	3.53e-05	-0.19	0.0	-1.71	-1.11	0.01	6.82e-03	2.94e-04	-0.23
		-0.95	2.94e-04	-3.35e-05	0.0	60.0	-1.71	-1.30	0.01	6.82e-03	7.85e-03	-0.95
213	130	3.37	1.84e-03	1.09e-05	-0.19	0.0	5.23	2.45	3.13e-03	-6.50e-03	-1.05e-04	1.96
		1.96	-1.05e-04	-8.10e-05	0.0	60.0	5.23	2.26	3.13e-03	-6.50e-03	1.84e-03	3.37
213	144	-4.40	3.40e-03	2.63e-04	-0.19	0.0	-1.18	-7.88	5.71e-03	-7.88e-03	2.01e-04	-4.40
		-9.19	2.01e-04	2.23e-04	0.0	60.0	-1.18	-8.07	5.71e-03	-7.88e-03	3.40e-03	-9.19
213	147	7.65	6.05e-03	-1.15e-04	-0.19	0.0	5.96	5.96	9.61e-03	8.31e-03	6.11e-05	4.13
		4.13	6.11e-05	-2.20e-04	0.0	60.0	3.08	5.78	9.61e-03	8.31e-03	6.05e-03	7.65
213	157	-2.57	7.96e-03	1.45e-04	-0.19	0.0	-4.00	-4.91	0.01	1.99e-03	3.94e-04	-2.57
		-5.57	3.94e-04	9.27e-05	0.0	60.0	-4.00	-5.10	0.01	1.99e-03	7.96e-03	-5.57
213	158	4.03	1.49e-03	-1.09e-05	-0.19	0.0	5.90	2.99	2.58e-03	-1.56e-03	-1.32e-04	2.29
		2.29	-1.32e-04	-9.00e-05	0.0	60.0	5.90	2.81	2.58e-03	-1.56e-03	1.49e-03	4.03
213	159	-0.25	8.24e-03	3.07e-05	-0.19	0.0	-2.04	-1.14	0.01	7.65e-03	3.14e-04	-0.25
		-0.99	3.14e-04	-3.76e-05	0.0	60.0	-2.04	-1.33	0.01	7.65e-03	8.24e-03	-0.99
213	162	3.92	1.48e-03	-1.07e-05	-0.19	0.0	5.77	2.90	2.57e-03	-7.34e-03	-1.35e-04	2.24
		2.24	-1.35e-04	-9.20e-05	0.0	60.0	5.77	2.71	2.57e-03	-7.34e-03	1.48e-03	3.92
213	176	-4.43	3.45e-03	2.64e-04	-0.19	0.0	-1.22	-7.93	5.79e-03	-7.51e-03	2.02e-04	-4.43
		-9.24	2.02e-04	2.22e-04	0.0	60.0	-1.22	-8.12	5.79e-03	-7.51e-03	3.45e-03	-9.24
213	179	7.70	6.00e-03	-1.16e-04	-0.19	0.0	3.11	6.01	9.53e-03	7.94e-03	5.94e-05	4.16
		4.16	5.94e-05	-2.20e-04	0.0	60.0	3.11	5.82	9.53e-03	7.94e-03	6.00e-03	7.70
213	189	-2.60	7.89e-03	1.48e-04	-0.19	0.0	-3.96	-4.97	0.01	2.01e-03	3.90e-04	-2.60
		-5.64	3.90e-04	9.51e-05	0.0	60.0	-3.96	-5.15	0.01	2.01e-03	7.89e-03	-5.64
213	190	4.10	1.56e-03	-1.24e-05	-0.19	0.0	5.85	3.05	2.70e-03	-1.57e-03	-1.28e-04	2.33
		2.33	-1.28e-04	-9.24e-05	0.0	60.0	5.85	2.86	2.70e-03	-1.57e-03	1.56e-03	4.10
213	191	-0.27	8.15e-03	3.33e-05	-0.19	0.0	-1.99	-1.17	0.01	7.43e-03	3.10e-04	-0.27
		-1.03	3.10e-04	-3.44e-05	0.0	60.0	-1.99	-1.36	0.01	7.43e-03	8.15e-03	-1.03
213	194	4.06	1.56e-03	-1.35e-05	-0.19	0.0	5.76	3.01	2.68e-03	-7.18e-03	-1.32e-04	2.31
		2.31	-1.32e-04	-9.64e-05	0.0	60.0	5.76	2.83	2.68e-03	-7.18e-03	1.56e-03	4.06
213	216	-5.24	3.28e-03	3.12e-04	-0.19	0.0	-1.33	-9.25	5.57e-03	0.01	2.35e-04	-5.24
		-10.85	2.35e-04	2.84e-04	0.0	60.0	-1.33	-9.44	5.57e-03	0.01	3.28e-03	-10.85
213	219	9.31	6.17e-03	-1.64e-04	-0.19	0.0	3.22	7.33	9.75e-03	-0.01	2.68e-05	4.97
		4.97	2.68e-05	-2.81e-04	0.0	60.0	3.22	7.15	9.75e-03	-0.01	6.17e-03	9.31
213	221	-3.06	8.41e-03	1.63e-04	-0.19	0.0	-4.80	-5.71	0.01	2.36e-03	4.34e-04	-3.06
		-6.54	4.34e-04	1.13e-04	0.0	60.0	-4.80	-5.90	0.01	2.36e-03	8.41e-03	-6.54
213	222	5.00	1.05e-03	-2.37e-05	-0.19	0.0	6.69	3.79	1.89e-03	-1.93e-03	-1.72e-04	2.79
		2.79	-1.72e-04	-1.10e-04	0.0	60.0	6.69	3.60	1.89e-03	-1.93e-03	1.05e-03	5.00
213	223	-0.31	8.70e-03	2.79e-05	-0.19	0.0	-2.48	-1.24	0.01	8.60e-03	3.40e-04	-0.31
		-1.11	3.40e-04	-3.87e-05	0.0	60.0	-2.48	-1.43	0.01	8.60e-03	8.70e-03	-1.11
213	226	5.03	1.04e-03	-2.67e-05	-0.19	0.0	6.60	3.81	1.87e-03	-8.48e-03	-1.78e-04	2.80
		2.80	-1.78e-04	-1.17e-04	0.0	60.0	6.60	3.62	1.87e-03	-8.48e-03	1.04e-03	5.03
214	16	0.15	9.10e-04	1.66e-05	-0.24	0.0	0.74	2.58	-3.31e-03	0.09	9.10e-04	-1.32
		-1.32	-1.08e-03	1.36e-06	0.0	60.0	0.74	2.34	-3.31e-03	0.09	-1.08e-03	0.15
214	17	0.22	6.37e-04	1.12e-05	-0.24	0.0	0.68	2.88	-3.85e-03	0.09	6.37e-04	-1.44
		-1.44	-1.67e-03	1.72e-06	0.0	60.0	0.68	2.64	-3.85e-03	0.09	-1.67e-03	0.22
214	19	0.16	1.23e-03	1.60e-05	-0.19	0.0	0.67	1.86	-1.26e-03	0.10	1.23e-03	-0.90
		-0.90	4.73e-04	0.0	0.0	60.0	0.67	1.68	-1.26e-03	0.10	4.73e-04	0.16
214	28	0.13	-3.14e-03	4.16e-06	-0.24	0.0	-0.12	3.16	-4.97e-03	-0.17	-3.14e-03	-1.69
		-1.69	-6.12e-03	1.80e-06	0.0	60.0	-0.12	2.92	-4.97e-03	-0.17	-6.12e-03	0.13
214	35	0.08	-3.07e-03	4.97e-06	-0.24	0.0	-0.08	3.07	-5.28e-03	-0.17	-3.07e-03	-1.69
		-1.69	-6.24e-03	1.65e-06	0.0	60.0	-0.08	2.83	-5.28e-03	-0.17	-6.24e-03	0.08
214	47	0.11	-3.86e-03	5.62e-06	-0.19	0.0	-0.38	2.29	-1.27e-03	-0.25	-3.86e-03	-1.21
		-1.21	-4.62e-03	0.0	0.0	60.0	-0.38	2.11	-1.27e-03	-0.25	-4.62e-03	0.11
214	72	0.14	6.23e-04	1.47e-05	-0.19	0.0	0.49	1.91	-1.81e-03	0.06	6.23e-04	-0.95
		-0.95	-4.61e-04	1.07e-06	0.0	60.0	0.49	1.72	-1.81e-03	0.06	-4.61e-04	0.14
214	73	0.12	5.60e-04	1.34e-05	-0.19	0.0	0.51	1.96	-2.43e-03	0.06	5.60e-04	-1.00
		-1.00	-8.97e-04	1.07e-06	0.0	60.0	0.51	1.77	-2.43e-03	0.06	-8.97e-04	0.12
214	74	0.16	3.79e-04	9.74e-06	-0.19	0.0	0.47	2.16	-2.78e-03	0.06	3.79e-04	-1.08
		-1.08	-1.29e-03	1.31e-06	0.0	60.0	0.47	1.97	-2.78e-03	0.06	-1.29e-03	0.16
214	80	0.10	-2.14e-03	4.64e-06	-0.19	0.0	-0.06	2.34	-3.53e-03	-0.11	-2.14e-03	-1.25
		-1.25	-4.26e-03	1.36e-06	0.0	60.0	-0.06	2.16	-3.53e-03	-0.11	-4.26e-03	0.10
214	83	0.07	-2.09e-03	5.41e-06	-0.19	0.0	-0.03	2.28	-3.74e-03	-0.11	-2.09e-03	-1.25
		-1.25	-4.34e-03	1.26e-06	0.0	60.0	-0.03	2.10	-3.74e-03	-0.11	-4.34e-03	0.07
214	87	0.11	-2.77e-03	7.85e-06	-0.19	0.0	-0.20	2.20	-1.81e-03	-0.17	-2.77e-03	-1.15
		-1.15	-3.86e-03	1.05e-06	0.0	60.0	-0.20	2.01	-1.81e-03	-0.17	-3.86e-03	0.11
214	101	0.12	-7.57e-04	8.80e-06	-0.19	0.0	0.13	2.17	-3.62e-03	-0.02	-7.57e-04	-1.12
		-1.12	-2.93e-03	1.53e-06	0.0	60.0	0.13	1.98	-3.62e-03	-0.02	-2.93e-03	0.12

214	102	0.12	-2.94e-04	1.39e-05	-0.19	0.0	0.21	1.93	-2.39e-03	-9.43e-04	-2.94e-04	-0.98
		-0.98	-1.73e-03	1.27e-06	0.0	60.0	0.21	1.74	-2.39e-03	-9.43e-04	-1.73e-03	0.12
214	103	0.14	-5.03e-04	9.57e-06	-0.19	0.0	0.19	2.14	-3.23e-03	-4.63e-03	-5.03e-04	-1.09
		-1.09	-2.44e-03	1.48e-06	0.0	60.0	0.19	1.95	-3.23e-03	-4.63e-03	-2.44e-03	0.14
214	105	0.13	-1.13e-03	9.19e-06	-0.19	0.0	0.06	2.15	-3.03e-03	-0.05	-1.13e-03	-1.11
		-1.11	-2.95e-03	1.43e-06	0.0	60.0	0.06	1.96	-3.03e-03	-0.05	-2.95e-03	0.13
214	106	0.12	-5.23e-04	1.36e-05	-0.19	0.0	0.14	1.94	-2.54e-03	-0.02	-5.23e-04	-0.99
		-0.99	-2.04e-03	1.32e-06	0.0	60.0	0.14	1.75	-2.54e-03	-0.02	-2.04e-03	0.12
214	107	0.13	-7.32e-04	9.35e-06	-0.19	0.0	0.12	2.15	-3.37e-03	-0.02	-7.32e-04	-1.10
		-1.10	-2.76e-03	1.53e-06	0.0	60.0	0.12	1.96	-3.37e-03	-0.02	-2.76e-03	0.13
214	112	-1.69	-5.11e-04	-2.88e-04	-0.19	0.0	2.01	15.74	-2.39e-04	-4.43e-03	-5.11e-04	-11.54
		-11.54	-1.19e-03	2.99e-04	0.0	60.0	2.01	15.56	-2.39e-04	-4.43e-03	-1.19e-03	-1.69
214	115	9.34	-9.53e-04	3.07e-04	-0.19	0.0	-1.76	-11.45	-6.51e-03	-0.03	-9.53e-04	9.34
		1.95	-4.32e-03	-2.96e-04	0.0	60.0	-1.76	-11.64	-6.51e-03	-0.03	-4.32e-03	1.95
214	124	0.19	8.16e-04	-1.05e-04	-0.19	0.0	3.54	1.79	3.31e-03	7.10e-03	-1.02e-03	-0.87
		-0.87	-1.02e-03	3.93e-05	0.0	60.0	3.54	1.60	3.31e-03	7.10e-03	8.16e-04	0.19
214	127	0.08	-4.47e-04	1.24e-04	-0.19	0.0	-3.30	2.50	-0.01	-0.05	-4.47e-04	-1.32
		-1.32	-6.33e-03	-3.63e-05	0.0	60.0	-3.30	2.32	-0.01	-0.05	-6.33e-03	0.08
214	128	0.22	4.45e-04	-9.90e-05	-0.19	0.0	3.57	1.58	2.43e-03	7.23e-03	-1.02e-03	-0.72
		-0.72	-1.02e-03	4.27e-05	0.0	60.0	3.57	1.39	2.43e-03	7.23e-03	4.45e-04	0.22
214	131	0.05	-4.43e-04	1.18e-04	-0.19	0.0	-3.32	2.72	-9.17e-03	-0.05	-4.43e-04	-1.48
		-1.48	-5.96e-03	-3.96e-05	0.0	60.0	-3.32	2.53	-9.17e-03	-0.05	-5.96e-03	0.05
214	144	-1.92	-4.83e-04	-3.27e-04	-0.19	0.0	2.24	17.47	1.52e-04	-2.52e-03	-4.83e-04	-12.87
		-12.87	-9.96e-04	3.37e-04	0.0	60.0	2.24	17.29	1.52e-04	-2.52e-03	-9.96e-04	-1.92
214	147	10.67	-9.81e-04	3.45e-04	-0.19	0.0	-2.00	-13.18	-6.90e-03	-0.04	-9.81e-04	10.67
		2.19	-4.52e-03	-3.34e-04	0.0	60.0	-2.00	-13.37	-6.90e-03	-0.04	-4.52e-03	2.19
214	156	0.20	1.26e-03	-1.19e-04	-0.19	0.0	3.97	1.73	4.15e-03	0.01	-1.05e-03	-0.83
		-0.83	-1.05e-03	4.36e-05	0.0	60.0	3.97	1.54	4.15e-03	0.01	1.26e-03	0.20
214	159	0.07	-4.11e-04	1.38e-04	-0.19	0.0	-3.72	2.56	-0.01	-0.05	-4.11e-04	-1.36
		-1.36	-6.77e-03	-4.06e-05	0.0	60.0	-3.72	2.38	-0.01	-0.05	-6.77e-03	0.07
214	160	0.23	8.46e-04	-1.13e-04	-0.19	0.0	4.00	1.51	3.15e-03	0.01	-1.06e-03	-0.67
		-0.67	-1.06e-03	4.77e-05	0.0	60.0	4.00	1.32	3.15e-03	0.01	8.46e-04	0.23
214	163	0.04	-4.07e-04	1.31e-04	-0.19	0.0	-3.75	2.79	-9.90e-03	-0.05	-4.07e-04	-1.53
		-1.53	-6.36e-03	-4.46e-05	0.0	60.0	-3.75	2.60	-9.90e-03	-0.05	-6.36e-03	0.04
214	176	-1.93	-4.88e-04	-3.33e-04	-0.19	0.0	2.23	17.57	4.77e-05	-2.94e-03	-4.88e-04	-12.94
		-12.94	-1.05e-03	3.34e-04	0.0	60.0	2.23	17.38	4.77e-05	-2.94e-03	-1.05e-03	-1.93
214	179	10.74	-9.77e-04	3.52e-04	-0.19	0.0	-1.98	-13.27	-6.79e-03	-0.04	-9.77e-04	10.74
		2.20	-4.46e-03	-3.31e-04	0.0	60.0	-1.98	-13.46	-6.79e-03	-0.04	-4.46e-03	2.20
214	188	0.22	1.20e-03	-1.16e-04	-0.19	0.0	3.90	1.66	4.04e-03	9.64e-03	-1.05e-03	-0.77
		-0.77	-1.05e-03	3.81e-05	0.0	60.0	3.90	1.47	4.04e-03	9.64e-03	1.20e-03	0.22
214	191	0.04	-4.12e-04	1.35e-04	-0.19	0.0	-3.65	2.64	-0.01	-0.05	-4.12e-04	-1.43
		-1.43	-6.71e-03	-3.51e-05	0.0	60.0	-3.65	2.45	-0.01	-0.05	-6.71e-03	0.04
214	192	0.23	8.02e-04	-1.13e-04	-0.19	0.0	3.94	1.57	3.08e-03	9.85e-03	-1.06e-03	-0.71
		-0.71	-1.06e-03	4.51e-05	0.0	60.0	3.94	1.38	3.08e-03	9.85e-03	8.02e-04	0.23
214	195	0.04	-4.07e-04	1.32e-04	-0.19	0.0	-3.70	2.73	-9.83e-03	-0.05	-4.07e-04	-1.49
		-1.49	-6.31e-03	-4.21e-05	0.0	60.0	-3.70	2.54	-9.83e-03	-0.05	-6.31e-03	0.04
214	216	-2.35	-4.62e-04	-3.98e-04	-0.19	0.0	2.82	20.44	-3.12e-03	8.63e-04	-4.62e-04	-15.18
		-15.18	-2.33e-03	4.29e-04	0.0	60.0	2.82	20.25	-3.12e-03	8.63e-04	-2.33e-03	-2.35
214	219	12.98	-1.00e-03	4.17e-04	-0.19	0.0	-2.57	-16.14	-3.62e-03	-0.04	-1.00e-03	12.98
		2.62	-3.18e-03	-4.26e-04	0.0	60.0	-2.57	-16.33	-3.62e-03	-0.04	-3.18e-03	2.62
214	220	0.25	1.84e-03	-1.35e-04	-0.19	0.0	4.50	1.51	5.24e-03	0.01	-1.11e-03	-0.65
		-0.65	-1.11e-03	4.14e-05	0.0	60.0	4.50	1.33	5.24e-03	0.01	1.84e-03	0.25
214	223	0.01	-3.58e-04	1.54e-04	-0.19	0.0	-4.26	2.78	-0.01	-0.05	-3.58e-04	-1.54
		-1.54	-7.36e-03	-3.83e-05	0.0	60.0	-4.26	2.59	-0.01	-0.05	-7.36e-03	0.01
214	224	0.24	1.38e-03	-1.35e-04	-0.19	0.0	4.57	1.54	4.13e-03	0.01	-1.11e-03	-0.68
		-0.68	-1.11e-03	5.29e-05	0.0	60.0	4.57	1.35	4.13e-03	0.01	1.38e-03	0.24
214	227	0.03	-3.54e-04	1.54e-04	-0.19	0.0	-4.32	2.75	-0.01	-0.05	-3.54e-04	-1.51
		-1.51	-6.89e-03	-4.98e-05	0.0	60.0	-4.32	2.57	-0.01	-0.05	-6.89e-03	0.03
215	17	0.22	0.02	6.28e-05	-0.24	0.0	1.37	-0.24	0.04	0.09	-1.67e-03	0.22
		0.0	-1.67e-03	1.46e-06	0.0	60.0	1.37	-0.49	0.04	0.09	0.02	0.0
215	18	0.18	0.03	5.95e-05	-0.24	0.0	1.43	-0.17	0.05	0.08	-2.32e-03	0.18
		0.0	-2.32e-03	1.35e-06	0.0	60.0	1.43	-0.42	0.05	0.08	0.03	0.0
215	35	0.08	0.04	5.15e-05	-0.24	0.0	0.72	-4.61e-03	0.07	-0.17	-6.24e-03	0.08
		0.0	-6.24e-03	0.0	0.0	60.0	0.72	-0.25	0.07	-0.17	0.04	0.0
215	45	0.08	0.02	4.42e-05	-0.19	0.0	0.18	-0.05	0.03	-0.24	-3.38e-03	0.08
		0.0	-3.38e-03	0.0	0.0	60.0	0.18	-0.24	0.03	-0.24	0.02	0.0
215	47	0.11	0.02	4.34e-05	-0.19	0.0	0.22	-0.09	0.05	-0.25	-4.62e-03	0.11
		0.0	-4.62e-03	0.0	0.0	60.0	0.22	-0.28	0.05	-0.25	0.02	0.0
215	74	0.16	0.01	4.82e-05	-0.19	0.0	0.99	-0.17	0.03	0.06	-1.29e-03	0.16
		0.0	-1.29e-03	1.10e-06	0.0	60.0	0.99	-0.36	0.03	0.06	0.01	0.0
215	75	0.13	0.02	4.60e-05	-0.19	0.0	1.03	-0.13	0.03	0.05	-1.73e-03	0.13
		0.0	-1.73e-03	1.03e-06	0.0	60.0	1.03	-0.32	0.03	0.05	0.02	0.0
215	83	0.07	0.02	4.06e-05	-0.19	0.0	0.56	-0.02	0.05	-0.11	-4.34e-03	0.07
		0.0	-4.34e-03	0.0	0.0	60.0	0.56	-0.20	0.05	-0.11	0.02	0.0
215	85	0.10	0.01	4.49e-05	-0.19	0.0	0.34	-0.07	0.03	-0.17	-3.03e-03	0.10

		0.0	-3.03e-03	0.0	0.0	60.0	0.34	-0.25	0.03	-0.17	0.01	0.0
215	87	0.11	0.02	4.44e-05	-0.19	0.0	0.36	-0.09	0.04	-0.17	-3.86e-03	0.11
		0.0	-3.86e-03	0.0	0.0	60.0	0.36	-0.28	0.04	-0.17	0.02	0.0
215	101	0.12	0.02	4.53e-05	-0.19	0.0	0.67	-0.11	0.03	-0.02	-2.93e-03	0.12
		0.0	-2.93e-03	1.04e-06	0.0	60.0	0.67	-0.30	0.03	-0.02	0.02	0.0
215	103	0.14	0.02	4.66e-05	-0.19	0.0	0.72	-0.14	0.03	-4.63e-03	-2.44e-03	0.14
		0.0	-2.44e-03	1.07e-06	0.0	60.0	0.72	-0.32	0.03	-4.63e-03	0.02	0.0
215	104	0.11	0.01	4.63e-05	-0.19	0.0	0.58	-0.10	0.02	-0.05	-2.24e-03	0.11
		0.0	-2.24e-03	0.0	0.0	60.0	0.58	-0.28	0.02	-0.05	0.01	0.0
215	105	0.13	0.02	4.59e-05	-0.19	0.0	0.60	-0.12	0.03	-0.05	-2.95e-03	0.13
		0.0	-2.95e-03	0.0	0.0	60.0	0.60	-0.31	0.03	-0.05	0.02	0.0
215	106	0.12	0.01	4.67e-05	-0.19	0.0	0.64	-0.10	0.02	-0.02	-2.04e-03	0.12
		0.0	-2.04e-03	0.0	0.0	60.0	0.64	-0.29	0.02	-0.02	0.01	0.0
215	107	0.13	0.02	4.62e-05	-0.19	0.0	0.66	-0.13	0.03	-0.02	-2.76e-03	0.13
		0.0	-2.76e-03	1.06e-06	0.0	60.0	0.66	-0.32	0.03	-0.02	0.02	0.0
215	113	0.0	-2.96e-03	-7.74e-04	-0.19	0.0	0.78	3.70	-0.07	-0.02	-2.96e-03	-2.16
		-2.16	-0.05	2.79e-04	0.0	60.0	0.78	3.51	-0.07	-0.02	-0.05	0.0
215	114	2.43	0.08	8.67e-04	-0.19	0.0	0.53	-3.96	0.14	-0.02	-2.56e-03	2.43
		0.0	-2.56e-03	-2.77e-04	0.0	60.0	0.53	-4.15	0.14	-0.02	0.08	0.0
215	125	0.0	-5.92e-03	-1.87e-04	-0.19	0.0	-2.43	2.02	-0.10	-0.04	-5.92e-03	-1.16
		-1.16	-0.07	1.37e-04	0.0	60.0	-2.43	1.84	-0.10	-0.04	-0.07	0.0
215	126	1.42	0.10	2.79e-04	-0.19	0.0	3.74	-2.28	0.16	2.81e-03	4.07e-04	1.42
		0.0	4.07e-04	-1.35e-04	0.0	60.0	3.74	-2.47	0.16	2.81e-03	0.10	0.0
215	128	0.22	0.09	-2.46e-05	-0.19	0.0	4.38	-0.27	0.15	7.23e-03	4.45e-04	0.22
		0.0	4.45e-04	4.15e-05	0.0	60.0	4.38	-0.45	0.15	7.23e-03	0.09	0.0
215	131	0.05	-5.96e-03	1.17e-04	-0.19	0.0	-3.06	0.01	-0.09	-0.05	-5.96e-03	0.05
		0.0	-0.06	-3.94e-05	0.0	60.0	-3.06	-0.18	-0.09	-0.05	-0.06	0.0
215	145	0.0	-2.98e-03	-8.78e-04	-0.19	0.0	0.80	4.19	-0.09	-0.02	-2.98e-03	-2.46
		-2.46	-0.06	3.15e-04	0.0	60.0	0.80	4.00	-0.09	-0.02	-0.06	0.0
215	146	2.72	0.09	9.70e-04	-0.19	0.0	0.51	-4.44	0.15	-0.02	-2.53e-03	2.72
		0.0	-2.53e-03	-3.12e-04	0.0	60.0	0.51	-4.63	0.15	-0.02	0.09	0.0
215	157	0.0	-6.31e-03	-2.16e-04	-0.19	0.0	-2.81	2.30	-0.12	-0.05	-6.31e-03	-1.33
		-1.33	-0.08	1.54e-04	0.0	60.0	-2.81	2.12	-0.12	-0.05	-0.08	0.0
215	158	1.59	0.11	3.09e-04	-0.19	0.0	4.12	-2.56	0.18	5.59e-03	8.02e-04	1.59
		0.0	8.02e-04	-1.52e-04	0.0	60.0	4.12	-2.75	0.18	5.59e-03	0.11	0.0
215	160	0.23	0.10	-3.38e-05	-0.19	0.0	4.84	-0.28	0.17	0.01	8.46e-04	0.23
		0.0	8.46e-04	4.64e-05	0.0	60.0	4.84	-0.47	0.17	0.01	0.10	0.0
215	163	0.04	-6.36e-03	1.26e-04	-0.19	0.0	-3.53	0.03	-0.10	-0.05	-6.36e-03	0.04
		0.0	-0.07	-4.43e-05	0.0	60.0	-3.53	-0.16	-0.10	-0.05	-0.07	0.0
215	177	0.0	-2.99e-03	-8.59e-04	-0.19	0.0	0.80	4.21	-0.09	-0.02	-2.99e-03	-2.47
		-2.47	-0.06	3.09e-04	0.0	60.0	0.80	4.02	-0.09	-0.02	-0.06	0.0
215	178	2.74	0.09	9.52e-04	-0.19	0.0	0.51	-4.47	0.15	-0.02	-2.52e-03	2.74
		0.0	-2.52e-03	-3.07e-04	0.0	60.0	0.51	-4.66	0.15	-0.02	0.09	0.0
215	189	0.0	-6.27e-03	-2.14e-04	-0.19	0.0	-2.74	2.35	-0.12	-0.04	-6.27e-03	-1.36
		-1.36	-0.08	1.57e-04	0.0	60.0	-2.74	2.16	-0.12	-0.04	-0.08	0.0
215	190	1.62	0.11	3.07e-04	-0.19	0.0	4.05	-2.61	0.18	4.98e-03	7.60e-04	1.62
		0.0	7.60e-04	-1.55e-04	0.0	60.0	4.05	-2.80	0.18	4.98e-03	0.11	0.0
215	192	0.23	0.10	-3.68e-05	-0.19	0.0	4.78	-0.28	0.16	9.85e-03	8.02e-04	0.23
		0.0	8.02e-04	4.39e-05	0.0	60.0	4.78	-0.47	0.16	9.85e-03	0.10	0.0
215	195	0.04	-6.31e-03	1.29e-04	-0.19	0.0	-3.46	0.03	-0.10	-0.05	-6.31e-03	0.04
		0.0	-0.07	-4.18e-05	0.0	60.0	-3.46	-0.16	-0.10	-0.05	-0.07	0.0
215	217	0.0	0.05	-2.96e-04	-0.19	0.0	1.25	5.08	0.08	-0.02	-4.58e-03	-2.99
		-2.99	-4.58e-03	3.98e-04	0.0	60.0	1.25	4.89	0.08	-0.02	0.05	0.0
215	218	3.26	-9.33e-04	3.88e-04	-0.19	0.0	0.06	-5.33	-0.02	-0.02	-9.33e-04	3.26
		0.0	-0.01	-3.96e-04	0.0	60.0	0.06	-5.52	-0.02	-0.02	-0.01	0.0
215	221	0.0	-6.85e-03	-2.59e-04	-0.19	0.0	-3.28	2.82	-0.14	-0.05	-6.85e-03	-1.64
		-1.64	-0.09	1.86e-04	0.0	60.0	-3.28	2.64	-0.14	-0.05	-0.09	0.0
215	222	1.90	0.12	3.52e-04	-0.19	0.0	4.59	-3.08	0.20	8.90e-03	1.34e-03	1.90
		0.0	1.34e-03	-1.84e-04	0.0	60.0	4.59	-3.27	0.20	8.90e-03	0.12	0.0
215	224	0.24	0.11	-5.32e-05	-0.19	0.0	5.45	-0.30	0.19	0.01	1.38e-03	0.24
		0.0	1.38e-03	5.15e-05	0.0	60.0	5.45	-0.49	0.19	0.01	0.11	0.0
215	227	0.03	-6.89e-03	1.46e-04	-0.19	0.0	-4.14	0.05	-0.12	-0.05	-6.89e-03	0.03
		0.0	-0.08	-4.94e-05	0.0	60.0	-4.14	-0.14	-0.12	-0.05	-0.08	0.0
216	4	0.13	0.06	-5.29e-05	-0.16	0.0	1.50	0.41	-0.09	0.41	0.06	0.0
		0.0	0.01	4.20e-06	0.0	40.0	1.50	0.25	-0.09	0.41	0.01	0.13
216	7	0.07	0.04	-3.82e-05	-0.13	0.0	1.18	0.24	-0.07	0.32	0.04	0.0
		0.0	0.01	3.14e-06	0.0	40.0	1.18	0.11	-0.07	0.32	0.01	0.07
216	9	0.28	0.04	-5.81e-05	-0.16	0.0	1.37	0.78	-0.08	0.28	0.04	0.0
		0.0	9.80e-03	3.37e-06	0.0	40.0	1.37	0.62	-0.08	0.28	9.80e-03	0.28
216	18	0.17	0.05	-5.37e-05	-0.16	0.0	1.62	0.52	-0.10	0.35	0.05	0.0
		0.0	0.01	3.99e-06	0.0	40.0	1.62	0.36	-0.10	0.35	0.01	0.17
216	19	0.21	0.03	-4.11e-05	-0.13	0.0	1.16	0.58	-0.06	0.16	0.03	0.0
		0.0	6.83e-03	2.10e-06	0.0	40.0	1.16	0.45	-0.06	0.16	6.83e-03	0.21
216	45	0.19	0.02	-4.17e-05	-0.13	0.0	0.29	0.55	0.03	0.34	0.02	0.0
		0.0	0.01	0.0	0.0	40.0	0.29	0.42	0.03	0.34	0.01	0.19

216	67	0.11	0.04	-3.94e-05	-0.13	0.0	1.04	0.34	-0.06	0.29	0.04	0.0
		0.0	0.01	2.76e-06	0.0	40.0	1.04	0.21	-0.06	0.29	0.01	0.11
216	68	0.12	0.04	-4.08e-05	-0.13	0.0	1.09	0.36	-0.06	0.30	0.04	0.0
		0.0	0.01	2.99e-06	0.0	40.0	1.09	0.23	-0.06	0.30	0.01	0.12
216	69	0.22	0.03	-4.42e-05	-0.13	0.0	1.00	0.60	-0.05	0.21	0.03	0.0
		0.0	7.32e-03	2.43e-06	0.0	40.0	1.00	0.48	-0.05	0.21	7.32e-03	0.22
216	72	0.20	0.03	-4.13e-05	-0.13	0.0	1.02	0.56	-0.05	0.19	0.03	0.0
		0.0	7.14e-03	2.07e-06	0.0	40.0	1.02	0.44	-0.05	0.19	7.14e-03	0.20
216	75	0.15	0.04	-4.13e-05	-0.13	0.0	1.16	0.43	-0.07	0.26	0.04	0.0
		0.0	9.35e-03	2.85e-06	0.0	40.0	1.16	0.30	-0.07	0.26	9.35e-03	0.15
216	85	0.19	0.02	-4.17e-05	-0.13	0.0	0.45	0.54	5.82e-03	0.31	0.02	0.0
		0.0	9.90e-03	1.14e-06	0.0	40.0	0.45	0.42	5.82e-03	0.31	9.90e-03	0.19
216	98	0.14	0.03	-4.01e-05	-0.13	0.0	0.82	0.40	-0.04	0.29	0.03	0.0
		0.0	9.37e-03	2.39e-06	0.0	40.0	0.82	0.28	-0.04	0.29	9.37e-03	0.14
216	99	0.20	0.03	-4.21e-05	-0.13	0.0	0.75	0.57	-0.03	0.23	0.03	0.0
		0.0	7.26e-03	1.93e-06	0.0	40.0	0.75	0.44	-0.03	0.23	7.26e-03	0.20
216	102	0.20	0.03	-4.15e-05	-0.13	0.0	0.79	0.56	-0.04	0.22	0.03	0.0
		0.0	7.21e-03	1.89e-06	0.0	40.0	0.79	0.43	-0.04	0.22	7.21e-03	0.20
216	103	0.14	0.03	-4.03e-05	-0.13	0.0	0.87	0.42	-0.04	0.27	0.03	0.0
		0.0	9.05e-03	2.36e-06	0.0	40.0	0.87	0.30	-0.04	0.27	9.05e-03	0.14
216	104	0.20	0.02	-4.16e-05	-0.13	0.0	0.67	0.56	-0.02	0.24	0.02	0.0
		0.0	7.77e-03	1.70e-06	0.0	40.0	0.67	0.43	-0.02	0.24	7.77e-03	0.20
216	106	0.20	0.03	-4.15e-05	-0.13	0.0	0.73	0.56	-0.03	0.22	0.03	0.0
		0.0	7.23e-03	1.84e-06	0.0	40.0	0.73	0.43	-0.03	0.22	7.23e-03	0.20
216	107	0.14	0.03	-4.03e-05	-0.13	0.0	0.81	0.42	-0.04	0.28	0.03	0.0
		0.0	9.07e-03	2.31e-06	0.0	40.0	0.81	0.30	-0.04	0.28	9.07e-03	0.14
216	111	0.27	-2.03e-03	-8.32e-05	-0.13	0.0	0.51	0.73	0.12	0.26	-0.04	0.0
		0.0	-0.04	-1.80e-04	0.0	40.0	0.51	0.60	0.12	0.26	-2.03e-03	0.27
216	124	0.06	0.15	-4.82e-05	-0.13	0.0	3.38	0.21	-0.28	0.32	0.15	0.0
		0.0	0.03	3.49e-05	0.0	40.0	3.38	0.09	-0.28	0.32	0.03	0.06
216	127	0.23	-7.61e-03	-3.24e-05	-0.13	0.0	-1.77	0.63	0.20	0.24	-0.08	0.0
		0.0	-0.08	-3.03e-05	0.0	40.0	-1.77	0.51	0.20	0.24	-7.61e-03	0.23
216	129	0.16	-4.00e-03	-1.77e-04	-0.13	0.0	-2.10	0.47	0.15	0.24	-0.06	0.0
		0.0	-0.06	8.62e-05	0.0	40.0	-2.10	0.35	0.15	0.24	-4.00e-03	0.16
216	130	0.12	0.12	9.62e-05	-0.13	0.0	3.72	0.37	-0.23	0.32	0.12	0.0
		0.0	0.02	-8.15e-05	0.0	40.0	3.72	0.25	-0.23	0.32	0.02	0.12
216	135	0.23	-3.91e-03	-7.66e-05	-0.13	0.0	-1.59	0.63	0.14	0.23	-0.05	0.0
		0.0	-0.05	-7.97e-05	0.0	40.0	-1.59	0.50	0.14	0.23	-3.91e-03	0.23
216	143	0.28	-3.42e-03	-8.90e-05	-0.13	0.0	0.47	0.77	0.14	0.26	-0.05	0.0
		0.0	-0.05	-2.03e-04	0.0	40.0	0.47	0.64	0.14	0.26	-3.42e-03	0.28
216	156	0.05	0.16	-4.88e-05	-0.13	0.0	3.71	0.19	-0.31	0.32	0.16	0.0
		0.0	0.03	3.87e-05	0.0	40.0	3.71	0.06	-0.31	0.32	0.03	0.05
216	159	0.24	-9.69e-03	-3.18e-05	-0.13	0.0	-2.09	0.66	0.23	0.24	-0.10	0.0
		0.0	-0.10	-3.41e-05	0.0	40.0	-2.09	0.53	0.23	0.24	-9.69e-03	0.24
216	161	0.17	-5.62e-03	-1.94e-04	-0.13	0.0	-2.46	0.48	0.18	0.24	-0.07	0.0
		0.0	-0.07	9.73e-05	0.0	40.0	-2.46	0.36	0.18	0.24	-5.62e-03	0.17
216	162	0.12	0.13	1.13e-04	-0.13	0.0	4.08	0.37	-0.25	0.32	0.13	0.0
		0.0	0.02	-9.27e-05	0.0	40.0	4.08	0.24	-0.25	0.32	0.02	0.12
216	167	0.24	-5.53e-03	-8.10e-05	-0.13	0.0	-1.89	0.65	0.16	0.23	-0.06	0.0
		0.0	-0.06	-9.03e-05	0.0	40.0	-1.89	0.53	0.16	0.23	-5.53e-03	0.24
216	187	0.28	-5.42e-04	5.17e-04	-0.13	0.0	0.59	0.77	0.09	0.27	-0.03	0.0
		0.0	-0.03	-2.35e-04	0.0	40.0	0.59	0.64	0.09	0.27	-5.42e-04	0.28
216	188	0.05	0.16	-4.43e-05	-0.13	0.0	3.67	0.19	-0.31	0.32	0.16	0.0
		0.0	0.03	3.50e-05	0.0	40.0	3.67	0.07	-0.31	0.32	0.03	0.05
216	191	0.24	-9.37e-03	-3.63e-05	-0.13	0.0	-2.06	0.66	0.23	0.24	-0.09	0.0
		0.0	-0.09	-3.03e-05	0.0	40.0	-2.06	0.53	0.23	0.24	-9.37e-03	0.24
216	193	0.16	-5.34e-03	-1.86e-04	-0.13	0.0	-2.41	0.47	0.17	0.24	-0.07	0.0
		0.0	-0.07	1.01e-04	0.0	40.0	-2.41	0.35	0.17	0.24	-5.34e-03	0.16
216	194	0.12	0.13	1.06e-04	-0.13	0.0	4.02	0.37	-0.25	0.32	0.13	0.0
		0.0	0.02	-9.67e-05	0.0	40.0	4.02	0.25	-0.25	0.32	0.02	0.12
216	199	0.24	-5.26e-03	-8.13e-05	-0.13	0.0	-1.84	0.66	0.16	0.23	-0.06	0.0
		0.0	-0.06	-9.22e-05	0.0	40.0	-1.84	0.53	0.16	0.23	-5.26e-03	0.24
216	216	6.29e-05	0.10	-6.90e-04	-0.13	0.0	1.04	6.44e-03	-0.20	0.29	0.10	0.0
		-0.02	0.02	2.88e-04	0.0	40.0	1.04	-0.12	-0.20	0.29	0.02	-0.02
216	219	0.31	-2.27e-03	6.09e-04	-0.13	0.0	0.57	0.84	0.12	0.27	-0.04	0.0
		0.0	-0.04	-2.83e-04	0.0	40.0	0.57	0.72	0.12	0.27	-2.27e-03	0.31
216	220	0.04	0.18	-4.18e-05	-0.13	0.0	4.13	0.15	-0.35	0.33	0.18	0.0
		0.0	0.03	3.84e-05	0.0	40.0	4.13	0.03	-0.35	0.33	0.03	0.04
216	223	0.25	-0.01	-3.88e-05	-0.13	0.0	-2.52	0.69	0.27	0.23	-0.12	0.0
		0.0	-0.12	-3.38e-05	0.0	40.0	-2.52	0.57	0.27	0.23	-0.01	0.25
216	225	0.17	-7.59e-03	-2.12e-04	-0.13	0.0	-2.93	0.48	0.21	0.23	-0.08	0.0
		0.0	-0.08	1.22e-04	0.0	40.0	-2.93	0.35	0.21	0.23	-7.59e-03	0.17
216	226	0.12	0.15	1.32e-04	-0.13	0.0	4.54	0.37	-0.29	0.33	0.15	0.0
		0.0	0.03	-1.18e-04	0.0	40.0	4.54	0.24	-0.29	0.33	0.03	0.12
217	15	0.51	0.01	-5.08e-05	-0.16	0.0	1.06	0.71	-0.06	-0.03	0.01	0.26

		0.26	-4.06e-03	2.93e-06	0.0	40.0	1.06	0.54	-0.06	-0.03	-4.06e-03	0.51
217	18	0.43	0.01	-5.47e-05	-0.16	0.0	1.23	0.73	-0.07	-0.02	0.01	0.17
		0.17	-5.43e-03	3.98e-06	0.0	40.0	1.23	0.56	-0.07	-0.02	-5.43e-03	0.43
217	31	0.25	7.69e-03	-4.22e-05	-0.13	0.0	0.41	0.53	0.02	0.13	7.69e-03	0.06
		0.06	2.60e-03	1.78e-06	0.0	40.0	0.41	0.41	0.02	0.13	2.60e-03	0.25
217	45	0.33	7.03e-03	-3.78e-05	-0.13	0.0	0.09	0.40	0.06	0.17	2.17e-03	0.19
		0.19	2.17e-03	0.0	0.0	40.0	0.09	0.28	0.06	0.17	7.03e-03	0.33
217	72	0.39	8.55e-03	-3.88e-05	-0.13	0.0	0.76	0.54	-0.04	-0.02	8.55e-03	0.20
		0.20	-2.76e-03	2.12e-06	0.0	40.0	0.76	0.41	-0.04	-0.02	-2.76e-03	0.39
217	75	0.34	0.01	-4.14e-05	-0.13	0.0	0.87	0.55	-0.05	-6.66e-03	0.01	0.15
		0.15	-3.68e-03	2.82e-06	0.0	40.0	0.87	0.43	-0.05	-6.66e-03	-3.68e-03	0.34
217	79	0.29	7.30e-03	-4.12e-05	-0.13	0.0	0.45	0.52	4.57e-03	0.10	7.30e-03	0.10
		0.10	1.34e-03	1.79e-06	0.0	40.0	0.45	0.39	4.57e-03	0.10	1.34e-03	0.29
217	85	0.34	4.30e-03	-3.82e-05	-0.13	0.0	0.23	0.43	0.03	0.13	3.62e-03	0.19
		0.19	3.62e-03	0.0	0.0	40.0	0.23	0.31	0.03	0.13	4.30e-03	0.34
217	98	0.33	7.97e-03	-4.05e-05	-0.13	0.0	0.57	0.54	-0.02	0.04	7.97e-03	0.14
		0.14	-1.55e-03	2.16e-06	0.0	40.0	0.57	0.41	-0.02	0.04	-1.55e-03	0.33
217	102	0.38	6.57e-03	-3.86e-05	-0.13	0.0	0.55	0.50	-0.02	0.02	6.57e-03	0.20
		0.20	-1.31e-03	1.76e-06	0.0	40.0	0.55	0.38	-0.02	0.02	-1.31e-03	0.38
217	103	0.34	8.19e-03	-4.03e-05	-0.13	0.0	0.61	0.54	-0.03	0.03	8.19e-03	0.14
		0.14	-1.83e-03	2.18e-06	0.0	40.0	0.61	0.42	-0.03	0.03	-1.83e-03	0.34
217	104	0.37	5.59e-03	-3.85e-05	-0.13	0.0	0.44	0.48	-5.73e-03	0.05	5.59e-03	0.20
		0.20	9.72e-05	1.47e-06	0.0	40.0	0.44	0.36	-5.73e-03	0.05	9.72e-05	0.37
217	106	0.37	6.08e-03	-3.86e-05	-0.13	0.0	0.49	0.50	-0.02	0.03	6.08e-03	0.20
		0.20	-9.52e-04	1.66e-06	0.0	40.0	0.49	0.37	-0.02	0.03	-9.52e-04	0.37
217	107	0.33	7.70e-03	-4.02e-05	-0.13	0.0	0.56	0.53	-0.02	0.04	7.70e-03	0.14
		0.14	-1.47e-03	2.09e-06	0.0	40.0	0.56	0.41	-0.02	0.04	-1.47e-03	0.33
217	112	0.02	0.02	-1.16e-04	-0.13	0.0	0.79	-1.15	-0.05	0.05	0.02	0.02
		-0.45	9.05e-04	1.99e-04	0.0	40.0	0.79	-1.28	-0.05	0.05	9.05e-04	-0.45
217	115	1.12	-3.84e-03	3.52e-05	-0.13	0.0	0.33	2.22	8.53e-03	0.02	-5.46e-03	0.27
		0.27	-5.46e-03	-1.95e-04	0.0	40.0	0.33	2.09	8.53e-03	0.02	-3.84e-03	1.12
217	124	0.35	0.03	-9.19e-05	-0.13	0.0	2.75	0.59	-0.08	7.50e-03	0.03	0.06
		0.06	8.89e-04	3.46e-05	0.0	40.0	2.75	0.46	-0.08	7.50e-03	8.89e-04	0.35
217	127	0.31	-3.82e-03	1.14e-05	-0.13	0.0	-1.63	0.48	0.04	0.07	-0.02	0.23
		0.23	-0.02	-3.04e-05	0.0	40.0	-1.63	0.35	0.04	0.07	-3.82e-03	0.31
217	128	0.36	0.03	-7.59e-05	-0.13	0.0	2.99	0.61	-0.08	6.76e-03	0.03	0.06
		0.06	8.48e-04	3.72e-05	0.0	40.0	2.99	0.48	-0.08	6.76e-03	8.48e-04	0.36
217	131	0.30	-3.78e-03	-4.61e-06	-0.13	0.0	-1.87	0.46	0.04	0.07	-0.02	0.23
		0.23	-0.02	-3.30e-05	0.0	40.0	-1.87	0.33	0.04	0.07	-3.78e-03	0.30
217	144	7.80e-03	0.02	-1.25e-04	-0.13	0.0	0.82	-1.37	-0.05	0.06	0.02	7.80e-03
		-0.55	1.20e-03	2.24e-04	0.0	40.0	0.82	-1.49	-0.05	0.06	1.20e-03	-0.55
217	147	1.22	-4.13e-03	4.49e-05	-0.13	0.0	0.30	2.43	0.01	0.02	-7.12e-03	0.28
		0.28	-7.12e-03	-2.20e-04	0.0	40.0	0.30	2.31	0.01	0.02	-4.13e-03	1.22
217	156	0.36	0.04	-9.82e-05	-0.13	0.0	3.02	0.60	-0.08	3.66e-03	0.04	0.05
		0.05	1.18e-03	3.84e-05	0.0	40.0	3.02	0.47	-0.08	3.66e-03	1.18e-03	0.36
217	159	0.31	-4.11e-03	1.77e-05	-0.13	0.0	-1.90	0.47	0.04	0.07	-0.02	0.24
		0.24	-0.02	-3.42e-05	0.0	40.0	-1.90	0.34	0.04	0.07	-4.11e-03	0.31
217	160	0.37	0.04	-8.01e-05	-0.13	0.0	3.28	0.62	-0.08	2.81e-03	0.04	0.05
		0.05	1.14e-03	4.15e-05	0.0	40.0	3.28	0.49	-0.08	2.81e-03	1.14e-03	0.37
217	163	0.30	-4.07e-03	0.0	-0.13	0.0	-2.17	0.45	0.04	0.07	-0.02	0.24
		0.24	-0.02	-3.73e-05	0.0	40.0	-2.17	0.32	0.04	0.07	-4.07e-03	0.30
217	184	5.90e-03	0.02	-6.62e-05	-0.13	0.0	1.64	-1.37	-0.05	0.05	0.02	5.90e-03
		-0.56	1.12e-03	2.39e-04	0.0	40.0	1.64	-1.50	-0.05	0.05	1.12e-03	-0.56
217	187	1.22	-4.05e-03	-1.43e-05	-0.13	0.0	-0.52	2.44	8.24e-03	0.02	-5.38e-03	0.28
		0.28	-5.38e-03	-2.35e-04	0.0	40.0	-0.52	2.31	8.24e-03	0.02	-4.05e-03	1.22
217	188	0.36	0.04	-9.71e-05	-0.13	0.0	2.99	0.61	-0.08	3.84e-03	0.04	0.05
		0.05	1.12e-03	3.47e-05	0.0	40.0	2.99	0.49	-0.08	3.84e-03	1.12e-03	0.36
217	191	0.30	-4.05e-03	1.66e-05	-0.13	0.0	-1.88	0.45	0.04	0.07	-0.02	0.24
		0.24	-0.02	-3.05e-05	0.0	40.0	-1.88	0.32	0.04	0.07	-4.05e-03	0.30
217	192	0.36	0.03	-7.82e-05	-0.13	0.0	3.22	0.62	-0.08	2.98e-03	0.03	0.05
		0.05	1.10e-03	3.98e-05	0.0	40.0	3.22	0.49	-0.08	2.98e-03	1.10e-03	0.36
217	195	0.30	-4.03e-03	-2.29e-06	-0.13	0.0	-2.11	0.45	0.04	0.07	-0.02	0.24
		0.24	-0.02	-3.56e-05	0.0	40.0	-2.11	0.32	0.04	0.07	-4.03e-03	0.30
217	216	-0.02	0.02	-7.22e-05	-0.13	0.0	1.81	-1.77	-0.05	0.06	0.02	-0.02
		-0.74	1.64e-03	2.87e-04	0.0	40.0	1.81	-1.89	-0.05	0.06	1.64e-03	-0.74
217	219	1.41	-4.57e-03	-8.25e-06	-0.13	0.0	-0.69	2.83	0.01	0.02	-7.56e-03	0.31
		0.31	-7.56e-03	-2.83e-04	0.0	40.0	-0.69	2.71	0.01	0.02	-4.57e-03	1.41
217	220	0.38	0.04	-1.06e-04	-0.13	0.0	3.39	0.64	-0.09	-1.93e-03	0.04	0.04
		0.04	1.54e-03	3.81e-05	0.0	40.0	3.39	0.52	-0.09	-1.93e-03	1.54e-03	0.38
217	223	0.29	-4.47e-03	2.56e-05	-0.13	0.0	-2.27	0.42	0.05	0.08	-0.02	0.25
		0.25	-0.02	-3.39e-05	0.0	40.0	-2.27	0.30	0.05	0.08	-4.47e-03	0.29
217	224	0.37	0.04	-8.35e-05	-0.13	0.0	3.65	0.63	-0.09	-2.81e-03	0.04	0.03
		0.03	1.53e-03	4.64e-05	0.0	40.0	3.65	0.50	-0.09	-2.81e-03	1.53e-03	0.37
217	227	0.30	-4.46e-03	2.99e-06	-0.13	0.0	-2.53	0.44	0.05	0.08	-0.02	0.25
		0.25	-0.02	-4.22e-05	0.0	40.0	-2.53	0.31	0.05	0.08	-4.46e-03	0.30

218	15	0.51	-2.42e-04	-3.29e-05	-0.16	0.0	0.99	-0.32	-0.02	-0.07	-2.42e-04	0.51
		0.34	-6.98e-04	2.97e-06	0.0	40.0	0.99	-0.49	-0.02	-0.07	-6.98e-04	0.34
218	18	0.43	-9.33e-04	-3.84e-05	-0.16	0.0	1.19	-0.25	-0.02	-0.07	-1.68e-03	0.43
		0.30	-1.68e-03	3.84e-06	0.0	40.0	1.19	-0.42	-0.02	-0.07	-9.33e-04	0.30
218	35	0.37	-1.04e-04	-4.10e-05	-0.16	0.0	0.65	-0.26	0.04	0.11	-4.03e-03	0.37
		0.24	-4.03e-03	2.06e-06	0.0	40.0	0.65	-0.42	0.04	0.11	-1.04e-04	0.24
218	45	0.33	6.24e-04	-2.60e-05	-0.13	0.0	0.10	-0.27	0.05	0.16	-1.67e-03	0.33
		0.20	-1.67e-03	0.0	0.0	40.0	0.10	-0.39	0.05	0.16	6.24e-04	0.20
218	48	0.26	3.88e-04	-3.15e-05	-0.13	0.0	0.30	-0.20	0.06	0.16	-3.11e-03	0.26
		0.15	-3.11e-03	0.0	0.0	40.0	0.30	-0.32	0.06	0.16	3.88e-04	0.15
218	72	0.39	-2.53e-04	-2.51e-05	-0.13	0.0	0.71	-0.25	-0.01	-0.04	-2.53e-04	0.39
		0.26	-4.80e-04	2.13e-06	0.0	40.0	0.71	-0.38	-0.01	-0.04	-4.80e-04	0.26
218	75	0.34	-6.37e-04	-2.87e-05	-0.13	0.0	0.84	-0.21	-0.01	-0.04	-1.22e-03	0.34
		0.23	-1.22e-03	2.72e-06	0.0	40.0	0.84	-0.33	-0.01	-0.04	-6.37e-04	0.23
218	83	0.30	-8.34e-05	-3.05e-05	-0.13	0.0	0.48	-0.21	0.03	0.07	-2.78e-03	0.30
		0.19	-2.78e-03	1.53e-06	0.0	40.0	0.48	-0.33	0.03	0.07	-8.34e-05	0.19
218	85	0.34	3.35e-04	-2.61e-05	-0.13	0.0	0.23	-0.26	0.04	0.11	-1.61e-03	0.34
		0.21	-1.61e-03	0.0	0.0	40.0	0.23	-0.38	0.04	0.11	3.35e-04	0.21
218	88	0.29	1.78e-04	-2.97e-05	-0.13	0.0	0.36	-0.21	0.04	0.11	-2.57e-03	0.29
		0.18	-2.57e-03	0.0	0.0	40.0	0.36	-0.34	0.04	0.11	1.78e-04	0.18
218	101	0.33	-3.18e-04	-2.82e-05	-0.13	0.0	0.57	-0.21	5.50e-03	8.23e-03	-1.93e-03	0.33
		0.22	-1.93e-03	1.91e-06	0.0	40.0	0.57	-0.34	5.50e-03	8.23e-03	-3.18e-04	0.22
218	102	0.38	-2.59e-04	-2.54e-05	-0.13	0.0	0.52	-0.25	3.43e-04	-3.23e-03	-1.06e-03	0.38
		0.25	-1.06e-03	1.62e-06	0.0	40.0	0.52	-0.38	3.43e-04	-3.23e-03	-2.59e-04	0.25
218	103	0.34	-3.54e-04	-2.77e-05	-0.13	0.0	0.61	-0.21	1.50e-03	-2.35e-03	-1.59e-03	0.34
		0.23	-1.59e-03	1.97e-06	0.0	40.0	0.61	-0.34	1.50e-03	-2.35e-03	-3.54e-04	0.23
218	104	0.37	-9.65e-05	-2.56e-05	-0.13	0.0	0.42	-0.25	0.01	0.03	-1.33e-03	0.37
		0.24	-1.33e-03	1.25e-06	0.0	40.0	0.42	-0.38	0.01	0.03	-9.65e-05	0.24
218	105	0.33	-1.91e-04	-2.79e-05	-0.13	0.0	0.51	-0.22	0.01	0.03	-1.86e-03	0.33
		0.21	-1.86e-03	1.61e-06	0.0	40.0	0.51	-0.34	0.01	0.03	-1.91e-04	0.21
218	106	0.37	-2.04e-04	-2.55e-05	-0.13	0.0	0.47	-0.25	3.99e-03	7.14e-03	-1.26e-03	0.37
		0.25	-1.26e-03	1.49e-06	0.0	40.0	0.47	-0.38	3.99e-03	7.14e-03	-2.04e-04	0.25
218	107	0.33	-2.99e-04	-2.78e-05	-0.13	0.0	0.56	-0.21	5.14e-03	8.02e-03	-1.79e-03	0.33
		0.22	-1.79e-03	1.85e-06	0.0	40.0	0.56	-0.34	5.14e-03	8.02e-03	-2.99e-04	0.22
218	112	0.36	2.08e-03	-2.00e-04	-0.13	0.0	0.62	1.52	-7.62e-03	0.02	2.08e-03	-0.45
		-0.45	-1.66e-03	1.99e-04	0.0	40.0	0.62	1.40	-7.62e-03	0.02	-1.66e-03	0.36
218	115	1.12	1.06e-03	1.44e-04	-0.13	0.0	0.50	-1.95	0.02	-7.28e-03	-5.65e-03	1.12
		0.08	-5.65e-03	-1.95e-04	0.0	40.0	0.50	-2.08	0.02	-7.28e-03	1.06e-03	0.08
218	124	0.36	7.31e-03	-1.11e-04	-0.13	0.0	2.41	-0.26	-0.02	-0.02	7.31e-03	0.35
		0.35	-2.85e-03	3.40e-05	0.0	40.0	2.41	-0.39	-0.02	-0.02	-2.85e-03	0.35
218	125	0.17	1.69e-03	-5.06e-05	-0.13	0.0	-1.58	0.78	0.03	0.05	-9.59e-03	-0.12
		-0.12	-9.59e-03	8.35e-05	0.0	40.0	-1.58	0.65	0.03	0.05	1.69e-03	0.17
218	126	0.78	6.02e-03	-4.96e-06	-0.13	0.0	2.70	-1.21	-0.02	-0.04	6.02e-03	0.78
		0.27	-2.29e-03	-7.98e-05	0.0	40.0	2.70	-1.33	-0.02	-0.04	-2.29e-03	0.27
218	127	0.31	2.25e-03	5.55e-05	-0.13	0.0	-1.30	-0.17	0.03	0.04	-0.01	0.31
		0.09	-0.01	-3.03e-05	0.0	40.0	-1.30	-0.29	0.03	0.04	2.25e-03	0.09
218	144	0.38	2.56e-03	-2.22e-04	-0.13	0.0	0.63	1.74	-9.20e-03	0.03	2.56e-03	-0.55
		-0.55	-1.83e-03	2.24e-04	0.0	40.0	0.63	1.62	-9.20e-03	0.03	-1.83e-03	0.38
218	147	1.22	1.23e-03	1.66e-04	-0.13	0.0	0.49	-2.17	0.02	-9.22e-03	-6.13e-03	1.22
		0.06	-6.13e-03	-2.20e-04	0.0	40.0	0.49	-2.30	0.02	-9.22e-03	1.23e-03	0.06
218	156	0.37	8.44e-03	-1.21e-04	-0.13	0.0	2.65	-0.27	-0.03	-0.03	8.44e-03	0.36
		0.36	-3.17e-03	3.77e-05	0.0	40.0	2.65	-0.39	-0.03	-0.03	-3.17e-03	0.36
218	157	0.16	1.94e-03	-5.38e-05	-0.13	0.0	-1.85	0.91	0.03	0.06	-0.01	-0.18
		-0.18	-0.01	9.42e-05	0.0	40.0	-1.85	0.78	0.03	0.06	1.94e-03	0.16
218	158	0.84	6.99e-03	-2.08e-06	-0.13	0.0	2.97	-1.34	-0.02	-0.04	6.99e-03	0.84
		0.28	-2.54e-03	-9.05e-05	0.0	40.0	2.97	-1.46	-0.02	-0.04	-2.54e-03	0.28
218	159	0.31	2.57e-03	6.59e-05	-0.13	0.0	-1.53	-0.16	0.04	0.04	-0.01	0.31
		0.08	-0.01	-3.40e-05	0.0	40.0	-1.53	-0.28	0.04	0.04	2.57e-03	0.08
218	184	0.38	2.15e-03	-2.05e-04	-0.13	0.0	0.73	1.71	-7.71e-03	0.02	2.15e-03	-0.56
		-0.56	-1.63e-03	2.39e-04	0.0	40.0	0.73	1.59	-7.71e-03	0.02	-1.63e-03	0.38
218	187	1.22	1.04e-03	1.49e-04	-0.13	0.0	0.39	-2.14	0.02	-7.26e-03	-5.72e-03	1.22
		0.06	-5.72e-03	-2.35e-04	0.0	40.0	0.39	-2.27	0.02	-7.26e-03	1.04e-03	0.06
218	188	0.37	8.26e-03	-1.21e-04	-0.13	0.0	2.62	-0.28	-0.03	-0.03	8.26e-03	0.36
		0.36	-3.13e-03	3.40e-05	0.0	40.0	2.62	-0.40	-0.03	-0.03	-3.13e-03	0.36
218	189	0.16	1.92e-03	-5.79e-05	-0.13	0.0	-1.80	0.92	0.03	0.06	-0.01	-0.18
		-0.18	-0.01	9.62e-05	0.0	40.0	-1.80	0.80	0.03	0.06	1.92e-03	0.16
218	190	0.85	6.92e-03	2.38e-06	-0.13	0.0	2.92	-1.35	-0.02	-0.04	6.92e-03	0.85
		0.28	-2.52e-03	-9.25e-05	0.0	40.0	2.92	-1.48	-0.02	-0.04	-2.52e-03	0.28
218	191	0.30	2.53e-03	6.55e-05	-0.13	0.0	-1.50	-0.15	0.04	0.04	-0.01	0.30
		0.08	-0.01	-3.03e-05	0.0	40.0	-1.50	-0.27	0.04	0.04	2.53e-03	0.08
218	216	0.41	2.69e-03	-2.49e-04	-0.13	0.0	0.75	2.11	-9.51e-03	0.03	2.69e-03	-0.74
		-0.74	-1.84e-03	2.87e-04	0.0	40.0	0.75	1.99	-9.51e-03	0.03	-1.84e-03	0.41
218	219	1.41	1.24e-03	1.94e-04	-0.13	0.0	0.37	-2.54	0.02	-0.01	-6.27e-03	1.41
		0.03	-6.27e-03	-2.83e-04	0.0	40.0	0.37	-2.67	0.02	-0.01	1.24e-03	0.03
218	220	0.39	9.87e-03	-1.37e-04	-0.13	0.0	2.95	-0.30	-0.03	-0.03	9.87e-03	0.38

		0.38	-3.59e-03	3.74e-05	0.0	40.0	2.95	-0.42	-0.03	-0.03	-3.59e-03	0.38
218	221	0.15	2.29e-03	-6.62e-05	-0.13	0.0	-2.18	1.13	0.04	0.07	-0.01	-0.28
		-0.28	-0.01	1.14e-04	0.0	40.0	-2.18	1.01	0.04	0.07	2.29e-03	0.15
218	222	0.94	8.36e-03	1.07e-05	-0.13	0.0	3.30	-1.56	-0.03	-0.05	8.36e-03	0.94
		0.29	-2.89e-03	-1.10e-04	0.0	40.0	3.30	-1.69	-0.03	-0.05	-2.89e-03	0.29
218	223	0.29	2.99e-03	8.12e-05	-0.13	0.0	-1.83	-0.13	0.04	0.05	-0.01	0.29
		0.06	-0.01	-3.37e-05	0.0	40.0	-1.83	-0.26	0.04	0.05	2.99e-03	0.06
219	19	0.65	0.09	3.47e-05	-0.19	0.0	-1.87	-0.06	-0.02	1.93e-04	0.09	0.65
		0.56	0.08	-2.65e-06	0.0	60.0	-1.87	-0.25	-0.02	1.93e-04	0.08	0.56
219	28	0.95	-0.11	5.01e-05	-0.24	0.0	-4.68	-0.13	0.02	6.16e-04	-0.12	0.95
		0.80	-0.12	1.39e-05	0.0	60.0	-4.68	-0.38	0.02	6.16e-04	-0.11	0.80
219	44	0.92	-0.17	4.77e-05	-0.24	0.0	-4.43	-0.11	0.04	5.70e-04	-0.20	0.92
		0.78	-0.20	1.66e-05	0.0	60.0	-4.43	-0.36	0.04	5.70e-04	-0.17	0.78
219	72	0.65	0.06	3.48e-05	-0.19	0.0	-2.06	-0.06	-0.01	2.26e-04	0.06	0.65
		0.56	0.05	0.0	0.0	60.0	-2.06	-0.25	-0.01	2.26e-04	0.05	0.56
219	80	0.72	-0.07	3.78e-05	-0.19	0.0	-3.37	-0.09	0.02	4.38e-04	-0.08	0.72
		0.60	-0.08	9.77e-06	0.0	60.0	-3.37	-0.28	0.02	4.38e-04	-0.07	0.60
219	88	0.70	-0.12	3.62e-05	-0.19	0.0	-3.21	-0.08	0.03	4.07e-04	-0.13	0.70
		0.60	-0.13	1.16e-05	0.0	60.0	-3.21	-0.27	0.03	4.07e-04	-0.12	0.60
219	98	0.70	-2.82e-03	3.73e-05	-0.19	0.0	-2.88	-0.08	-7.39e-04	3.57e-04	-2.82e-03	0.70
		0.59	-3.27e-03	5.58e-06	0.0	60.0	-2.88	-0.27	-7.39e-04	3.57e-04	-3.27e-03	0.59
219	102	0.65	0.01	3.44e-05	-0.19	0.0	-2.25	-0.06	-3.41e-03	2.58e-04	0.01	0.65
		0.56	8.58e-03	3.75e-06	0.0	60.0	-2.25	-0.24	-3.41e-03	2.58e-04	8.58e-03	0.56
219	105	0.69	-0.03	3.67e-05	-0.19	0.0	-2.84	-0.08	4.76e-03	3.48e-04	-0.03	0.69
		0.59	-0.03	6.56e-06	0.0	60.0	-2.84	-0.27	4.76e-03	3.48e-04	-0.03	0.59
219	106	0.65	-2.19e-03	3.43e-05	-0.19	0.0	-2.29	-0.06	-6.58e-04	2.67e-04	-2.19e-03	0.65
		0.56	-2.58e-03	4.49e-06	0.0	60.0	-2.29	-0.24	-6.58e-04	2.67e-04	-2.58e-03	0.56
219	107	0.69	-2.73e-03	3.69e-05	-0.19	0.0	-2.80	-0.08	-7.27e-04	3.44e-04	-2.73e-03	0.69
		0.59	-3.17e-03	5.42e-06	0.0	60.0	-2.80	-0.27	-7.27e-04	3.44e-04	-3.17e-03	0.59
219	109	1.35	-0.03	9.18e-05	-0.19	0.0	-4.60	-0.72	-0.02	-5.60e-03	-0.03	1.35
		0.87	-0.04	3.56e-04	0.0	60.0	-4.60	-0.91	-0.02	-5.60e-03	-0.04	0.87
219	110	0.31	0.03	-1.81e-05	-0.19	0.0	-0.99	0.56	0.01	6.29e-03	0.03	0.31
		0.03	0.02	-3.45e-04	0.0	60.0	-0.99	0.37	0.01	6.29e-03	0.03	0.03
219	125	1.08	-0.08	5.50e-05	-0.19	0.0	-4.68	-0.45	-0.03	1.71e-03	-0.08	1.08
		0.75	-0.10	1.69e-04	0.0	60.0	-4.68	-0.64	-0.03	1.71e-03	-0.10	0.75
219	126	0.42	0.09	1.88e-05	-0.19	0.0	-0.92	0.30	0.03	-1.02e-03	0.09	0.42
		0.30	0.07	-1.59e-04	0.0	60.0	-0.92	0.11	0.03	-1.02e-03	0.07	0.30
219	133	0.66	-0.07	3.47e-05	-0.19	0.0	-4.79	-0.06	-0.03	-4.99e-03	-0.07	0.66
		0.57	-0.09	6.41e-05	0.0	60.0	-4.79	-0.25	-0.03	-4.99e-03	-0.09	0.57
219	134	0.72	0.08	3.91e-05	-0.19	0.0	-0.81	-0.10	0.03	5.68e-03	0.08	0.72
		0.61	0.07	-5.33e-05	0.0	60.0	-0.81	-0.28	0.03	5.68e-03	0.07	0.61
219	141	1.43	-0.03	9.89e-05	-0.19	0.0	-4.83	-0.80	-0.02	-6.34e-03	-0.03	1.43
		0.90	-0.04	4.01e-04	0.0	60.0	-4.83	-0.99	-0.02	-6.34e-03	-0.04	0.90
219	142	0.27	0.04	-2.51e-05	-0.19	0.0	-0.77	0.64	0.02	7.03e-03	0.04	-0.05
		-0.05	0.03	-3.90e-04	0.0	60.0	-0.77	0.46	0.02	7.03e-03	0.03	0.27
219	157	1.13	-0.09	5.74e-05	-0.19	0.0	-4.92	-0.50	-0.04	1.88e-03	-0.09	1.13
		0.78	-0.11	1.91e-04	0.0	60.0	-4.92	-0.69	-0.04	1.88e-03	-0.11	0.78
219	158	0.40	0.10	1.63e-05	-0.19	0.0	-0.68	0.34	0.04	-1.19e-03	0.10	0.40
		0.25	0.08	-1.80e-04	0.0	60.0	-0.68	0.15	0.04	-1.19e-03	0.08	0.25
219	165	0.66	-0.08	3.43e-05	-0.19	0.0	-5.04	-0.06	-0.03	-5.66e-03	-0.08	0.66
		0.57	-0.10	7.10e-05	0.0	60.0	-5.04	-0.24	-0.03	-5.66e-03	-0.10	0.57
219	166	0.72	0.09	3.95e-05	-0.19	0.0	-0.56	-0.10	0.03	6.35e-03	0.09	0.72
		0.61	0.08	-6.02e-05	0.0	60.0	-0.56	-0.29	0.03	6.35e-03	0.08	0.61
219	176	1.43	0.02	1.07e-04	-0.19	0.0	-3.80	-0.80	1.71e-03	-6.11e-03	0.02	1.43
		0.90	0.01	3.88e-04	0.0	60.0	-3.80	-0.99	1.71e-03	-6.11e-03	0.01	0.90
219	179	0.27	-0.02	-3.36e-05	-0.19	0.0	-1.80	0.64	-3.16e-03	6.79e-03	-0.02	-0.05
		-0.05	-0.02	-3.77e-04	0.0	60.0	-1.80	0.46	-3.16e-03	6.79e-03	-0.05	0.27
219	189	1.13	-0.08	5.93e-05	-0.19	0.0	-4.90	-0.50	-0.04	1.89e-03	-0.08	1.13
		0.77	-0.11	1.93e-04	0.0	60.0	-4.90	-0.69	-0.04	1.89e-03	-0.11	0.77
219	190	0.40	0.10	1.44e-05	-0.19	0.0	-0.70	0.34	0.04	-1.21e-03	0.10	0.40
		0.25	0.08	-1.83e-04	0.0	60.0	-0.70	0.16	0.04	-1.21e-03	0.08	0.25
219	197	0.65	-0.08	3.40e-05	-0.19	0.0	-4.99	-0.05	-0.03	-5.47e-03	-0.08	0.65
		0.56	-0.10	6.38e-05	0.0	60.0	-4.99	-0.24	-0.03	-5.47e-03	-0.10	0.56
219	198	0.73	0.09	3.97e-05	-0.19	0.0	-0.60	-0.11	0.03	6.16e-03	0.09	0.73
		0.61	0.07	-5.30e-05	0.0	60.0	-0.60	-0.29	0.03	6.16e-03	0.07	0.61
219	216	1.57	0.02	1.39e-04	-0.19	0.0	-3.83	-0.93	2.25e-03	0.01	0.02	1.57
		0.96	0.02	5.00e-04	0.0	60.0	-3.83	-1.12	2.25e-03	0.02	0.02	0.96
219	219	0.22	-0.02	-6.52e-05	-0.19	0.0	-1.77	0.78	-3.70e-03	-0.01	-0.02	-0.19
		-0.19	-0.03	-4.90e-04	0.0	60.0	-1.77	0.59	-3.70e-03	-0.01	-0.03	0.22
219	221	1.21	-0.10	6.44e-05	-0.19	0.0	-5.25	-0.58	-0.04	2.20e-03	-0.10	1.21
		0.81	-0.12	2.28e-04	0.0	60.0	-5.25	-0.77	-0.04	2.20e-03	-0.12	0.81
219	222	0.37	0.12	9.35e-06	-0.19	0.0	-0.34	0.42	0.04	-1.51e-03	0.12	0.37
		0.17	0.09	-2.17e-04	0.0	60.0	-0.34	0.23	0.04	-1.51e-03	0.09	0.17
219	229	0.64	-0.09	3.33e-05	-0.19	0.0	-5.35	-0.04	-0.04	-6.42e-03	-0.09	0.64
		0.56	-0.11	7.02e-05	0.0	60.0	-5.35	-0.23	-0.04	-6.42e-03	-0.11	0.56

219	230	0.74	0.11	4.04e-05	-0.19	0.0	-0.25	-0.11	0.04	7.11e-03	0.09	0.74
		0.62	0.09	-5.94e-05	0.0	60.0	-0.25	-0.30	0.04	7.11e-03	0.11	0.62
220	19	0.24	-5.61e-03	-2.95e-06	-0.09	0.0	-0.17	0.21	-0.05	-0.10	-5.61e-03	0.19
		0.19	-0.02	1.78e-06	0.0	30.0	-0.17	0.11	-0.05	-0.10	-0.02	0.24
220	32	0.26	0.02	2.33e-06	-0.09	0.0	-0.69	0.37	0.07	0.11	5.89e-03	0.16
		0.16	5.89e-03	0.0	0.0	30.0	-0.69	0.28	0.07	0.11	0.02	0.26
220	35	0.34	0.02	1.89e-06	-0.12	0.0	-0.80	0.45	0.07	0.11	5.76e-03	0.22
		0.22	5.76e-03	1.18e-06	0.0	30.0	-0.80	0.32	0.07	0.11	0.02	0.34
220	44	0.34	0.03	2.22e-06	-0.12	0.0	-0.86	0.44	0.11	0.19	0.01	0.22
		0.22	0.01	0.0	0.0	30.0	-0.86	0.31	0.11	0.19	0.03	0.34
220	72	0.24	-3.90e-03	-2.30e-06	-0.09	0.0	-0.24	0.22	-0.03	-0.07	-3.90e-03	0.19
		0.19	-9.75e-03	1.54e-06	0.0	30.0	-0.24	0.13	-0.03	-0.07	-9.75e-03	0.24
220	80	0.26	0.01	1.22e-06	-0.09	0.0	-0.59	0.33	0.05	0.08	3.77e-03	0.17
		0.17	3.77e-03	0.0	0.0	30.0	-0.59	0.24	0.05	0.08	0.01	0.26
220	83	0.26	0.01	0.0	-0.09	0.0	-0.57	0.32	0.05	0.08	3.80e-03	0.17
		0.17	3.80e-03	0.0	0.0	30.0	-0.57	0.23	0.05	0.08	0.01	0.26
220	88	0.26	0.02	1.19e-06	-0.09	0.0	-0.62	0.32	0.07	0.13	6.86e-03	0.18
		0.18	6.86e-03	0.0	0.0	30.0	-0.62	0.22	0.07	0.13	0.02	0.26
220	98	0.25	1.40e-03	0.0	-0.09	0.0	-0.44	0.29	6.08e-03	-1.51e-03	-6.23e-04	0.18
		0.18	-6.23e-04	1.22e-06	0.0	30.0	-0.44	0.19	6.08e-03	-1.51e-03	1.40e-03	0.25
220	101	0.25	1.39e-03	0.0	-0.09	0.0	-0.44	0.29	6.05e-03	-1.40e-03	-6.15e-04	0.18
		0.18	-6.15e-04	1.23e-06	0.0	30.0	-0.44	0.19	6.05e-03	-1.40e-03	1.39e-03	0.25
220	102	0.25	-1.12e-03	-1.53e-06	-0.09	0.0	-0.34	0.23	-2.74e-03	-0.01	-1.12e-03	0.19
		0.19	-1.17e-03	1.09e-06	0.0	30.0	-0.34	0.14	-2.74e-03	-0.01	-1.17e-03	0.25
220	103	0.25	-8.03e-04	0.0	-0.09	0.0	-0.40	0.28	-1.14e-03	-0.01	-1.29e-03	0.18
		0.18	-1.29e-03	1.30e-06	0.0	30.0	-0.40	0.18	-1.14e-03	-0.01	-8.03e-04	0.25
220	105	0.25	5.46e-03	0.0	-0.09	0.0	-0.46	0.28	0.02	0.02	9.12e-04	0.18
		0.18	9.12e-04	1.01e-06	0.0	30.0	-0.46	0.19	0.02	0.02	5.46e-03	0.25
220	106	0.25	9.80e-04	-1.34e-06	-0.09	0.0	-0.36	0.24	4.22e-03	-9.11e-04	-4.28e-04	0.19
		0.19	-4.28e-04	0.0	0.0	30.0	-0.36	0.14	4.22e-03	-9.11e-04	9.80e-04	0.25
220	107	0.25	1.34e-03	0.0	-0.09	0.0	-0.43	0.28	5.82e-03	-1.42e-03	-5.95e-04	0.18
		0.18	-5.95e-04	1.19e-06	0.0	30.0	-0.43	0.19	5.82e-03	-1.42e-03	1.34e-03	0.25
220	109	0.41	4.31e-03	4.54e-06	-0.09	0.0	0.42	2.17	0.02	-0.01	-3.19e-04	-0.23
		-0.23	-3.19e-04	1.50e-04	0.0	30.0	0.42	2.08	0.02	-0.01	4.31e-03	0.41
220	112	0.38	3.21e-03	1.53e-06	-0.09	0.0	0.88	2.19	0.01	-0.03	4.94e-04	-0.23
		-0.23	4.94e-04	1.48e-04	0.0	30.0	0.88	2.09	0.01	-0.03	3.21e-03	0.38
220	115	0.59	-5.21e-04	-2.24e-06	-0.09	0.0	-1.74	-1.62	-1.81e-03	0.02	-1.68e-03	0.59
		0.12	-1.68e-03	-1.45e-04	0.0	30.0	-1.74	-1.72	-1.81e-03	0.02	-5.21e-04	0.12
220	116	0.37	2.99e-03	2.14e-05	-0.09	0.0	1.43	1.75	0.01	-0.03	6.95e-04	-0.14
		-0.14	6.95e-04	1.44e-04	0.0	30.0	1.43	1.65	0.01	-0.03	2.99e-03	0.37
220	119	0.49	-2.99e-04	-2.21e-05	-0.09	0.0	-2.28	-1.19	9.57e-06	0.03	-1.89e-03	0.49
		0.13	-1.89e-03	-1.41e-04	0.0	30.0	-2.28	-1.28	9.57e-06	0.03	-2.99e-04	0.13
220	127	0.26	2.77e-03	1.78e-05	-0.09	0.0	-1.86	0.32	0.02	0.04	-2.59e-03	0.17
		0.17	-2.59e-03	-1.99e-05	0.0	30.0	-1.86	0.22	0.02	0.04	2.77e-03	0.26
220	141	0.43	4.68e-03	5.21e-06	-0.09	0.0	0.53	2.41	0.02	-0.01	-2.84e-04	-0.28
		-0.28	-2.84e-04	1.69e-04	0.0	30.0	0.53	2.32	0.02	-0.01	4.68e-03	0.43
220	144	0.40	3.45e-03	1.83e-06	-0.09	0.0	1.05	2.43	0.01	-0.03	6.30e-04	-0.29
		-0.29	6.30e-04	1.66e-04	0.0	30.0	1.05	2.33	0.01	-0.03	3.45e-03	0.40
220	147	0.64	-7.58e-04	-2.54e-06	-0.09	0.0	-1.90	-1.87	-2.77e-03	0.03	-1.82e-03	0.64
		0.10	-1.82e-03	-1.64e-04	0.0	30.0	-1.90	-1.96	-2.77e-03	0.03	-7.58e-04	0.10
220	148	0.39	3.20e-03	2.51e-05	-0.09	0.0	1.67	1.94	0.01	-0.04	8.51e-04	-0.18
		-0.18	8.51e-04	1.62e-04	0.0	30.0	1.67	1.85	0.01	-0.04	3.20e-03	0.39
220	151	0.54	-5.14e-04	-2.58e-05	-0.09	0.0	-2.52	-1.38	-7.35e-04	0.03	-2.04e-03	0.54
		0.11	-2.04e-03	-1.60e-04	0.0	30.0	-2.52	-1.47	-7.35e-04	0.03	-5.14e-04	0.11
220	159	0.26	2.95e-03	1.99e-05	-0.09	0.0	-2.04	0.32	0.02	0.04	-2.84e-03	0.17
		0.17	-2.84e-03	-2.23e-05	0.0	30.0	-2.04	0.23	0.02	0.04	2.95e-03	0.26
220	176	0.40	3.43e-03	4.39e-06	-0.09	0.0	1.05	2.44	0.01	-0.03	5.67e-04	-0.29
		-0.29	5.67e-04	1.65e-04	0.0	30.0	1.05	2.35	0.01	-0.03	3.43e-03	0.40
220	179	0.65	-7.44e-04	-5.09e-06	-0.09	0.0	-1.90	-1.88	-2.61e-03	0.03	-1.76e-03	0.65
		0.10	-1.76e-03	-1.62e-04	0.0	30.0	-1.90	-1.97	-2.61e-03	0.03	-7.44e-04	0.10
220	180	0.40	3.25e-03	3.49e-05	-0.09	0.0	1.71	2.01	0.01	-0.04	7.71e-04	-0.19
		-0.19	7.71e-04	1.64e-04	0.0	30.0	1.71	1.92	0.01	-0.04	3.25e-03	0.40
220	181	0.43	4.69e-03	4.63e-05	-0.09	0.0	1.00	2.40	0.02	-0.01	-4.02e-04	-0.28
		-0.28	-4.02e-04	1.80e-04	0.0	30.0	1.00	2.30	0.02	-0.01	4.69e-03	0.43
220	183	0.55	-5.67e-04	-3.56e-05	-0.09	0.0	-2.57	-1.45	-7.51e-04	0.03	-1.96e-03	0.55
		0.10	-1.96e-03	-1.62e-04	0.0	30.0	-2.57	-1.54	-7.51e-04	0.03	-5.67e-04	0.10
220	191	0.26	2.96e-03	1.80e-05	-0.09	0.0	-2.02	0.34	0.02	0.04	-2.81e-03	0.17
		0.17	-2.81e-03	-1.97e-05	0.0	30.0	-2.02	0.24	0.02	0.04	2.96e-03	0.26
220	212	0.43	3.66e-03	4.72e-05	-0.09	0.0	2.14	2.38	0.01	-0.04	9.84e-04	-0.27
		-0.27	9.84e-04	1.97e-04	0.0	30.0	2.14	2.28	0.01	-0.04	3.66e-03	0.43
220	213	0.47	5.35e-03	6.01e-05	-0.09	0.0	1.31	2.84	0.02	-0.01	-3.84e-04	-0.37
		-0.37	-3.84e-04	2.16e-04	0.0	30.0	1.31	2.74	0.02	-0.01	5.35e-03	0.47
220	215	0.63	-9.75e-04	-4.79e-05	-0.09	0.0	-2.99	-1.81	-2.12e-03	0.04	-2.17e-03	0.63
		0.07	-2.17e-03	-1.94e-04	0.0	30.0	-2.99	-1.91	-2.12e-03	0.04	-9.75e-04	0.07
220	216	0.43	3.92e-03	5.64e-05	-0.09	0.0	1.91	2.85	0.02	-0.03	6.58e-04	-0.38

		-0.38	6.58e-04	2.13e-04	0.0	30.0	1.91	2.76	0.02	-0.03	3.92e-03	0.43
220	219	0.73	-1.23e-03	-5.71e-05	-0.09	0.0	-2.76	-2.29	-4.08e-03	0.03	-1.85e-03	0.73
		0.07	-1.85e-03	-2.11e-04	0.0	30.0	-2.76	-2.38	-4.08e-03	0.03	-1.23e-03	0.07
220	223	0.26	3.24e-03	1.97e-05	-0.09	0.0	-2.28	0.36	0.02	0.05	-3.17e-03	0.16
		0.16	-3.17e-03	-2.16e-05	0.0	30.0	-2.28	0.27	0.02	0.05	3.24e-03	0.26
221	19	0.26	-5.63e-03	0.0	-0.09	0.0	0.18	0.11	0.02	-0.02	-0.01	0.24
		0.24	-0.01	1.87e-06	0.0	30.0	0.18	0.02	0.02	-0.02	-5.63e-03	0.26
221	28	0.42	0.02	6.08e-06	-0.12	0.0	-1.37	0.33	-0.05	0.01	0.02	0.34
		0.34	5.60e-03	1.39e-06	0.0	30.0	-1.37	0.21	-0.05	0.01	5.60e-03	0.42
221	44	0.41	0.03	6.07e-06	-0.12	0.0	-1.59	0.30	-0.06	0.03	0.03	0.34
		0.34	0.01	0.0	0.0	30.0	-1.59	0.18	-0.06	0.03	0.01	0.41
221	72	0.27	-3.91e-03	0.0	-0.09	0.0	-0.05	0.12	0.01	-0.02	-8.58e-03	0.24
		0.24	-8.58e-03	1.64e-06	0.0	30.0	-0.05	0.03	0.01	-0.02	-3.91e-03	0.27
221	80	0.31	0.01	4.13e-06	-0.09	0.0	-0.96	0.23	-0.03	8.16e-03	0.01	0.26
		0.26	3.69e-03	1.04e-06	0.0	30.0	-0.96	0.14	-0.03	8.16e-03	3.69e-03	0.31
221	88	0.31	0.02	4.13e-06	-0.09	0.0	-1.11	0.21	-0.04	0.02	0.02	0.26
		0.26	6.66e-03	0.0	0.0	30.0	-1.11	0.12	-0.04	0.02	6.66e-03	0.31
221	98	0.29	1.58e-03	2.63e-06	-0.09	0.0	-0.59	0.19	-9.00e-03	-5.49e-03	1.58e-03	0.25
		0.25	-5.68e-04	1.39e-06	0.0	30.0	-0.59	0.10	-9.00e-03	-5.49e-03	-5.68e-04	0.29
221	102	0.27	-8.30e-04	1.27e-06	-0.09	0.0	-0.39	0.13	-2.62e-03	-6.41e-03	-8.30e-04	0.25
		0.25	-1.12e-03	1.20e-06	0.0	30.0	-0.39	0.04	-2.62e-03	-6.41e-03	-1.12e-03	0.27
221	103	0.29	-4.24e-04	2.26e-06	-0.09	0.0	-0.49	0.18	-4.82e-03	-7.71e-03	-4.24e-04	0.25
		0.25	-1.24e-03	1.46e-06	0.0	30.0	-0.49	0.09	-4.82e-03	-7.71e-03	-1.24e-03	0.29
221	105	0.29	5.21e-03	2.71e-06	-0.09	0.0	-0.68	0.18	-0.02	-4.54e-04	5.21e-03	0.25
		0.25	9.04e-04	1.15e-06	0.0	30.0	-0.68	0.09	-0.02	-4.54e-04	9.04e-04	0.29
221	106	0.27	1.11e-03	1.47e-06	-0.09	0.0	-0.47	0.14	-6.43e-03	-3.98e-03	1.11e-03	0.25
		0.25	-4.22e-04	1.09e-06	0.0	30.0	-0.47	0.04	-6.43e-03	-3.98e-03	-4.22e-04	0.27
221	107	0.29	1.51e-03	2.46e-06	-0.09	0.0	-0.58	0.18	-8.63e-03	-5.28e-03	1.51e-03	0.25
		0.25	-5.47e-04	1.34e-06	0.0	30.0	-0.58	0.09	-8.63e-03	-5.28e-03	-5.47e-04	0.29
221	112	1.02	2.83e-03	-1.36e-05	-0.09	0.0	-2.64	2.07	-0.02	-0.01	2.83e-03	0.38
		0.38	-2.10e-03	1.48e-04	0.0	30.0	-2.64	1.98	-0.02	-0.01	-2.10e-03	1.02
221	115	0.12	1.00e-03	1.86e-05	-0.09	0.0	1.49	-1.70	1.70e-03	3.78e-03	1.98e-04	0.12
		-0.44	1.98e-04	-1.45e-04	0.0	30.0	1.49	-1.80	1.70e-03	3.78e-03	1.00e-03	-0.44
221	117	0.98	2.32e-03	2.03e-05	-0.09	0.0	-4.41	1.97	-0.02	-0.01	2.32e-03	0.40
		0.40	-2.73e-03	1.57e-04	0.0	30.0	-4.41	1.87	-0.02	-0.01	-2.73e-03	0.98
221	121	0.85	2.72e-03	1.26e-05	-0.09	0.0	-4.53	1.63	-0.02	-0.01	2.72e-03	0.40
		0.40	-2.73e-03	1.46e-04	0.0	30.0	-4.53	1.53	-0.02	-0.01	-2.73e-03	0.85
221	122	0.10	1.63e-03	-7.65e-06	-0.09	0.0	3.37	-1.26	3.36e-04	1.52e-03	3.08e-04	0.10
		-0.27	3.08e-04	-1.44e-04	0.0	30.0	3.37	-1.36	3.36e-04	1.52e-03	1.63e-03	-0.27
221	128	0.26	3.68e-03	-1.24e-05	-0.09	0.0	0.99	0.12	-0.02	-0.01	3.68e-03	0.24
		0.24	-2.42e-04	2.41e-05	0.0	30.0	0.99	0.02	-0.02	-0.01	-2.42e-04	0.26
221	144	1.11	2.99e-03	-1.57e-05	-0.09	0.0	-2.91	2.31	-0.02	-0.02	2.99e-03	0.40
		0.40	-2.30e-03	1.66e-04	0.0	30.0	-2.91	2.22	-0.02	-0.02	-2.30e-03	1.11
221	147	0.10	1.20e-03	2.06e-05	-0.09	0.0	1.75	-1.95	3.01e-03	4.90e-03	3.46e-05	0.10
		-0.53	3.46e-05	-1.64e-04	0.0	30.0	1.75	-2.04	3.01e-03	4.90e-03	1.20e-03	-0.53
221	149	1.07	2.41e-03	2.32e-05	-0.09	0.0	-4.92	2.20	-0.02	-0.01	2.41e-03	0.42
		0.42	-3.01e-03	1.77e-04	0.0	30.0	-4.92	2.11	-0.02	-0.01	-3.01e-03	1.07
221	153	0.92	2.86e-03	1.46e-05	-0.09	0.0	-5.04	1.82	-0.02	-0.01	2.86e-03	0.42
		0.42	-3.01e-03	1.65e-04	0.0	30.0	-5.04	1.72	-0.02	-0.01	-3.01e-03	0.92
221	154	0.08	1.92e-03	-9.68e-06	-0.09	0.0	3.89	-1.45	1.46e-03	2.31e-03	1.66e-04	0.08
		-0.34	1.66e-04	-1.62e-04	0.0	30.0	3.89	-1.55	1.46e-03	2.31e-03	1.92e-03	-0.34
221	160	0.26	3.95e-03	-1.40e-05	-0.09	0.0	1.18	0.11	-0.02	-0.02	3.95e-03	0.24
		0.24	-2.07e-04	2.69e-05	0.0	30.0	1.18	0.02	-0.02	-0.02	-2.07e-04	0.26
221	176	1.11	2.92e-03	-1.49e-05	-0.09	0.0	-2.94	2.32	-0.02	-0.01	2.92e-03	0.40
		0.40	-2.31e-03	1.65e-04	0.0	30.0	-2.94	2.23	-0.02	-0.01	-2.31e-03	1.11
221	179	0.10	1.21e-03	1.98e-05	-0.09	0.0	1.79	-1.96	2.90e-03	4.18e-03	1.10e-04	0.10
		-0.53	1.10e-04	-1.62e-04	0.0	30.0	1.79	-2.05	2.90e-03	4.18e-03	1.21e-03	-0.53
221	185	0.95	2.75e-03	2.22e-05	-0.09	0.0	-5.15	1.89	-0.02	-0.01	2.75e-03	0.43
		0.43	-3.06e-03	1.67e-04	0.0	30.0	-5.15	1.79	-0.02	-0.01	-3.06e-03	0.95
221	186	0.07	1.97e-03	-1.72e-05	-0.09	0.0	3.99	-1.52	1.32e-03	1.62e-03	2.80e-04	0.07
		-0.37	2.80e-04	-1.65e-04	0.0	30.0	3.99	-1.62	1.32e-03	1.62e-03	1.97e-03	-0.37
221	192	0.26	3.87e-03	-1.07e-05	-0.09	0.0	1.14	0.11	-0.02	-0.01	3.87e-03	0.24
		0.24	-2.34e-04	2.57e-05	0.0	30.0	1.14	0.02	-0.02	-0.01	-2.34e-04	0.26
221	216	1.27	3.25e-03	3.51e-05	-0.09	0.0	-3.87	2.73	-0.02	-0.02	3.25e-03	0.43
		0.43	-2.87e-03	2.13e-04	0.0	30.0	-3.87	2.64	-0.02	-0.02	-2.87e-03	1.27
221	217	1.09	2.93e-03	3.04e-05	-0.09	0.0	-6.06	2.25	-0.02	-0.01	2.93e-03	0.47
		0.47	-3.57e-03	2.01e-04	0.0	30.0	-6.06	2.15	-0.02	-0.01	-3.57e-03	1.09
221	218	0.03	2.47e-03	-2.55e-05	-0.09	0.0	4.91	-1.88	3.20e-03	2.62e-03	9.65e-05	0.03
		-0.51	9.65e-05	-1.98e-04	0.0	30.0	4.91	-1.98	3.20e-03	2.62e-03	2.47e-03	-0.51
221	219	0.07	1.78e-03	-3.02e-05	-0.09	0.0	2.72	-2.37	6.26e-03	4.94e-03	-2.22e-04	0.07
		-0.69	-2.22e-04	-2.11e-04	0.0	30.0	2.72	-2.46	6.26e-03	4.94e-03	1.78e-03	-0.69
221	224	0.26	4.25e-03	-1.07e-05	-0.09	0.0	1.40	0.11	-0.02	-0.02	4.25e-03	0.24
		0.24	-2.05e-04	2.99e-05	0.0	30.0	1.40	0.02	-0.02	-0.02	-2.05e-04	0.26
222	19	0.47	0.07	-2.96e-05	-0.19	0.0	-0.93	0.20	0.07	1.95e-03	0.03	0.41
		0.41	0.03	-6.68e-06	0.0	60.0	-0.93	8.03e-03	0.07	1.95e-03	0.07	0.47

222	28	0.89	-0.05	1.12e-05	-0.24	0.0	-3.14	-0.12	-0.08	3.20e-03	-0.05	0.89
		0.74	-0.10	1.07e-05	0.0	60.0	-3.14	-0.36	-0.08	3.20e-03	-0.10	0.74
222	44	0.80	-0.07	4.15e-06	-0.24	0.0	-2.87	-0.04	-0.14	3.01e-03	-0.07	0.80
		0.70	-0.16	1.80e-05	0.0	60.0	-2.87	-0.28	-0.14	3.01e-03	-0.16	0.70
222	72	0.47	0.05	-2.59e-05	-0.19	0.0	-1.08	0.17	0.05	2.00e-03	0.02	0.42
		0.42	0.02	-3.84e-06	0.0	60.0	-1.08	-0.01	0.05	2.00e-03	0.05	0.47
222	80	0.64	-0.03	3.17e-06	-0.19	0.0	-2.21	-0.05	-0.06	2.40e-03	-0.03	0.64
		0.55	-0.06	7.48e-06	0.0	60.0	-2.21	-0.24	-0.06	2.40e-03	-0.06	0.55
222	88	0.58	-0.05	-3.31e-06	-0.19	0.0	-2.03	6.01e-03	-0.09	2.27e-03	-0.05	0.58
		0.53	-0.10	1.23e-05	0.0	60.0	-2.03	-0.18	-0.09	2.27e-03	-0.10	0.53
222	98	0.57	-2.97e-03	-8.01e-06	-0.19	0.0	-1.79	0.03	1.29e-03	2.45e-03	-3.75e-03	0.57
		0.53	-3.75e-03	1.19e-06	0.0	60.0	-1.79	-0.16	1.29e-03	2.45e-03	-2.97e-03	0.53
222	102	0.47	7.87e-03	-2.30e-05	-0.19	0.0	-1.20	0.16	0.01	2.05e-03	1.65e-03	0.43
		0.43	1.65e-03	0.0	0.0	60.0	-1.20	-0.02	0.01	2.05e-03	7.87e-03	0.47
222	105	0.56	-0.01	-9.23e-06	-0.19	0.0	-1.74	0.04	-0.02	2.41e-03	-0.01	0.55
		0.52	-0.02	3.56e-06	0.0	60.0	-1.74	-0.15	-0.02	2.41e-03	-0.02	0.52
222	106	0.47	-2.25e-03	-2.23e-05	-0.19	0.0	-1.23	0.16	8.94e-04	2.07e-03	-2.79e-03	0.43
		0.43	-2.79e-03	2.02e-06	0.0	60.0	-1.23	-0.03	8.94e-04	2.07e-03	-2.25e-03	0.47
222	107	0.56	-2.87e-03	-9.97e-06	-0.19	0.0	-1.71	0.05	1.23e-03	2.39e-03	-3.61e-03	0.55
		0.52	-3.61e-03	1.31e-06	0.0	60.0	-1.71	-0.14	1.23e-03	2.39e-03	-2.87e-03	0.52
222	112	2.63	-0.01	-1.48e-05	-0.19	0.0	-3.81	-2.44	0.04	-2.11e-03	-0.01	2.63
		1.12	-0.02	3.41e-04	0.0	60.0	-3.81	-2.63	0.04	-2.11e-03	-0.02	1.12
222	113	2.26	-0.04	-9.31e-06	-0.19	0.0	-4.50	-1.98	9.91e-03	-3.96e-03	-0.04	2.26
		1.01	-0.06	3.22e-04	0.0	60.0	-4.50	-2.17	9.91e-03	-3.96e-03	-0.06	1.01
222	114	0.04	0.05	-1.46e-05	-0.19	0.0	1.08	2.07	-7.44e-03	8.74e-03	0.03	-1.15
		-1.15	0.03	-3.19e-04	0.0	60.0	1.08	1.88	-7.44e-03	8.74e-03	0.05	0.04
222	115	-0.07	0.01	-7.19e-06	-0.19	0.0	0.39	2.53	-0.04	6.90e-03	5.71e-03	-1.53
		-1.53	5.71e-03	-3.38e-04	0.0	60.0	0.39	2.34	-0.04	6.90e-03	0.01	-0.07
222	125	1.74	-0.07	2.56e-05	-0.19	0.0	-3.55	-1.36	-0.07	3.55e-03	-0.07	1.74
		0.88	-0.12	1.70e-04	0.0	60.0	-3.55	-1.55	-0.07	3.55e-03	-0.12	0.88
222	126	0.16	0.11	-4.56e-05	-0.19	0.0	0.13	1.45	0.07	1.24e-03	0.06	-0.64
		-0.64	0.06	-1.67e-04	0.0	60.0	0.13	1.26	0.07	1.24e-03	0.11	0.16
222	144	2.90	-0.01	-1.54e-05	-0.19	0.0	-4.07	-2.75	0.05	-2.67e-03	-0.01	2.90
		1.19	-0.02	3.84e-04	0.0	60.0	-4.07	-2.94	0.05	-2.67e-03	-0.02	1.19
222	145	2.47	-0.04	-9.41e-06	-0.19	0.0	-4.86	-2.24	0.01	-4.75e-03	-0.04	2.47
		1.07	-0.07	3.62e-04	0.0	60.0	-4.86	-2.43	0.01	-4.75e-03	-0.07	1.07
222	146	-0.03	0.06	-1.53e-05	-0.19	0.0	1.44	2.33	-8.53e-03	9.53e-03	0.03	-1.37
		-1.37	0.03	-3.60e-04	0.0	60.0	1.44	2.14	-8.53e-03	9.53e-03	0.06	-0.03
222	147	-0.15	0.01	-7.08e-06	-0.19	0.0	0.65	2.84	-0.04	7.45e-03	6.89e-03	-1.79
		-1.79	6.89e-03	-3.81e-04	0.0	60.0	0.65	2.66	-0.04	7.45e-03	0.01	-0.15
222	157	1.89	-0.08	3.02e-05	-0.19	0.0	-3.78	-1.54	-0.08	3.69e-03	-0.08	1.89
		0.93	-0.13	1.91e-04	0.0	60.0	-3.78	-1.73	-0.08	3.69e-03	-0.13	0.93
222	158	0.12	0.12	-5.02e-05	-0.19	0.0	0.36	1.63	0.08	1.10e-03	0.07	-0.79
		-0.79	0.07	-1.89e-04	0.0	60.0	0.36	1.45	0.08	1.10e-03	0.12	0.12
222	176	2.91	-0.01	-1.09e-05	-0.19	0.0	-4.08	-2.77	0.04	-2.31e-03	-0.01	2.91
		1.20	-0.02	3.79e-04	0.0	60.0	-4.08	-2.96	0.04	-2.31e-03	-0.02	1.20
222	177	2.47	-0.04	-6.39e-06	-0.19	0.0	-4.86	-2.24	0.01	-4.32e-03	-0.04	2.47
		1.07	-0.07	3.54e-04	0.0	60.0	-4.86	-2.43	0.01	-4.32e-03	-0.07	1.07
222	178	-0.03	0.06	-2.14e-05	-0.19	0.0	1.44	2.33	-7.55e-03	9.10e-03	0.03	-1.37
		-1.37	0.03	-3.52e-04	0.0	60.0	1.44	2.14	-7.55e-03	9.10e-03	0.06	-0.03
222	179	-0.15	0.01	-1.44e-05	-0.19	0.0	0.66	2.86	-0.04	7.09e-03	6.54e-03	-1.81
		-1.81	6.54e-03	-3.77e-04	0.0	60.0	0.66	2.67	-0.04	7.09e-03	0.01	-0.15
222	189	1.91	-0.07	3.29e-05	-0.19	0.0	-3.81	-1.56	-0.07	3.69e-03	-0.07	1.91
		0.93	-0.13	1.94e-04	0.0	60.0	-3.81	-1.75	-0.07	3.69e-03	-0.13	0.93
222	190	0.12	0.12	-5.28e-05	-0.19	0.0	0.39	1.66	0.08	1.09e-03	0.07	-0.81
		-0.81	0.07	-1.91e-04	0.0	60.0	0.39	1.47	0.08	1.09e-03	0.12	0.12
222	209	2.81	-0.05	7.33e-06	-0.19	0.0	-5.41	-2.65	0.01	-5.26e-03	-0.05	2.81
		1.17	-0.08	4.12e-04	0.0	60.0	-5.41	-2.83	0.01	-5.26e-03	-0.08	1.17
222	210	-0.12	0.07	-2.73e-05	-0.19	0.0	1.99	2.74	-8.65e-03	0.01	0.04	-1.71
		-1.71	0.04	-4.09e-04	0.0	60.0	1.99	2.55	-8.65e-03	0.01	0.07	-0.12
222	216	3.36	-0.01	-1.92e-05	-0.19	0.0	-4.32	-3.31	0.05	-3.19e-03	-0.01	3.36
		1.32	-0.02	4.91e-04	0.0	60.0	-4.32	-3.50	0.05	-3.19e-03	-0.02	1.32
222	219	-0.27	0.01	3.22e-06	-0.19	0.0	0.90	3.40	-0.05	7.98e-03	7.22e-03	-2.25
		-2.25	7.22e-03	-4.89e-04	0.0	60.0	0.90	3.21	-0.05	7.98e-03	0.01	-0.27
222	221	2.16	-0.09	4.20e-05	-0.19	0.0	-4.19	-1.87	-0.09	3.94e-03	-0.09	2.16
		1.00	-0.15	2.29e-04	0.0	60.0	-4.19	-2.05	-0.09	3.94e-03	-0.15	1.00
222	222	0.04	0.14	-6.19e-05	-0.19	0.0	0.77	1.96	0.09	8.47e-04	0.08	-1.06
		-1.06	0.08	-2.27e-04	0.0	60.0	0.77	1.77	0.09	8.47e-04	0.14	0.04
223	19	-6.31e-03	1.05e-03	3.42e-05	-0.18	0.0	-0.28	2.21	-1.26e-03	0.10	1.05e-03	-1.19
		-1.19	3.40e-04	3.39e-06	0.0	56.0	-0.28	2.03	-1.26e-03	0.10	3.40e-04	-6.31e-03
223	28	-0.31	-4.10e-03	3.89e-05	-0.23	0.0	-1.21	4.76	-1.07e-03	-0.16	-4.10e-03	-2.91
		-2.91	-4.70e-03	0.0	0.0	56.0	-1.21	4.53	-1.07e-03	-0.16	-4.70e-03	-0.31
223	44	-0.31	-5.24e-03	3.69e-05	-0.23	0.0	-1.27	4.53	-6.64e-04	-0.25	-5.24e-03	-2.79
		-2.79	-5.61e-03	0.0	0.0	56.0	-1.27	4.31	-6.64e-04	-0.25	-5.61e-03	-0.31
223	72	-0.04	3.56e-04	3.34e-05	-0.18	0.0	-0.38	2.35	-1.26e-03	0.06	3.56e-04	-1.31

223	80	-1.31	-3.51e-04	2.77e-06	0.0	56.0	-0.38	2.18	-1.26e-03	0.06	-3.51e-04	-0.04
		-0.21	-2.83e-03	3.01e-05	-0.18	0.0	-0.87	3.46	-8.70e-04	-0.11	-2.83e-03	-2.10
		-2.10	-3.32e-03	0.0	0.0	56.0	-0.87	3.28	-8.70e-04	-0.11	-3.32e-03	-0.21
223	88	-0.21	-3.58e-03	2.88e-05	-0.18	0.0	-0.91	3.31	-6.00e-04	-0.17	-3.58e-03	-2.02
		-2.02	-3.92e-03	0.0	0.0	56.0	-0.91	3.13	-6.00e-04	-0.17	-3.92e-03	-0.21
223	98	-0.13	-1.26e-03	3.21e-05	-0.18	0.0	-0.68	3.02	-1.15e-03	-0.02	-1.26e-03	-1.78
		-1.78	-1.90e-03	1.76e-06	0.0	56.0	-0.68	2.84	-1.15e-03	-0.02	-1.90e-03	-0.13
223	102	-0.08	-6.74e-04	3.20e-05	-0.18	0.0	-0.53	2.47	-1.24e-03	3.09e-03	-6.74e-04	-1.41
		-1.41	-1.37e-03	1.69e-06	0.0	56.0	-0.53	2.29	-1.24e-03	3.09e-03	-1.37e-03	-0.08
223	105	-0.14	-1.66e-03	3.15e-05	-0.18	0.0	-0.71	2.98	-1.01e-03	-0.05	-1.66e-03	-1.76
		-1.76	-2.23e-03	1.28e-06	0.0	56.0	-0.71	2.80	-1.01e-03	-0.05	-2.23e-03	-0.14
223	106	-0.09	-9.31e-04	3.16e-05	-0.18	0.0	-0.57	2.50	-1.24e-03	-0.01	-9.31e-04	-1.44
		-1.44	-1.62e-03	1.42e-06	0.0	56.0	-0.57	2.32	-1.24e-03	-0.01	-1.62e-03	-0.09
223	107	-0.13	-1.21e-03	3.21e-05	-0.18	0.0	-0.66	2.94	-1.16e-03	-0.02	-1.21e-03	-1.73
		-1.73	-1.86e-03	1.71e-06	0.0	56.0	-0.66	2.77	-1.16e-03	-0.02	-1.86e-03	-0.13
223	112	-1.95	-2.84e-03	-2.06e-03	-0.18	0.0	0.37	17.06	-0.01	-0.02	-2.84e-03	-11.95
		-11.95	-0.01	2.71e-04	0.0	56.0	0.37	16.88	-0.01	-0.02	-0.01	-1.95
223	115	8.50	6.43e-03	2.12e-03	-0.18	0.0	-1.70	-11.17	9.73e-03	-7.36e-03	4.15e-04	8.50
		1.69	4.15e-04	-2.68e-04	0.0	56.0	-1.70	-11.35	9.73e-03	-7.36e-03	6.43e-03	1.69
223	124	0.03	-1.13e-03	-6.24e-04	-0.18	0.0	0.48	2.64	-7.60e-04	9.94e-03	-1.13e-03	-1.53
		-1.53	-1.57e-03	3.49e-05	0.0	56.0	0.48	2.46	-7.60e-04	9.94e-03	-1.57e-03	0.03
223	127	-0.29	-1.30e-03	6.88e-04	-0.18	0.0	-1.80	3.25	-1.56e-03	-0.04	-1.30e-03	-1.93
		-1.93	-2.16e-03	-3.15e-05	0.0	56.0	-1.80	3.07	-1.56e-03	-0.04	-2.16e-03	-0.29
223	144	-2.18	-3.05e-03	-2.32e-03	-0.18	0.0	0.51	18.86	-0.01	-0.03	-3.05e-03	-13.26
		-13.26	-0.01	3.05e-04	0.0	56.0	0.51	18.68	-0.01	-0.03	-0.01	-2.18
223	147	9.80	7.48e-03	2.38e-03	-0.18	0.0	-1.83	-12.97	0.01	-6.27e-03	6.22e-04	9.80
		1.92	6.22e-04	-3.02e-04	0.0	56.0	-1.83	-13.15	0.01	-6.27e-03	7.48e-03	1.92
223	156	0.05	-1.11e-03	-7.06e-04	-0.18	0.0	0.62	2.58	-6.98e-04	0.01	-1.11e-03	-1.49
		-1.49	-1.53e-03	3.86e-05	0.0	56.0	0.62	2.41	-6.98e-04	0.01	-1.53e-03	0.05
223	159	-0.31	-1.32e-03	7.70e-04	-0.18	0.0	-1.95	3.30	-1.62e-03	-0.04	-1.32e-03	-1.97
		-1.97	-2.20e-03	-3.52e-05	0.0	56.0	-1.95	3.13	-1.62e-03	-0.04	-2.20e-03	-0.31
223	176	-2.19	-3.06e-03	-2.25e-03	-0.18	0.0	0.51	18.95	-0.01	-0.03	-3.06e-03	-13.32
		-13.32	-0.01	3.02e-04	0.0	56.0	0.51	18.78	-0.01	-0.03	-0.01	-2.19
223	179	9.86	7.54e-03	2.31e-03	-0.18	0.0	-1.83	-13.07	0.01	-6.21e-03	6.37e-04	9.86
		1.93	6.37e-04	-2.99e-04	0.0	56.0	-1.83	-13.24	0.01	-6.21e-03	7.54e-03	1.93
223	180	-2.23	-3.40e-03	-2.83e-04	-0.18	0.0	0.61	15.72	-0.01	-0.02	-3.40e-03	-11.03
		-11.03	-9.51e-03	3.02e-04	0.0	56.0	0.61	15.55	-0.01	-0.02	-9.51e-03	-2.23
223	183	7.57	5.78e-03	3.47e-04	-0.18	0.0	-1.94	-9.84	8.60e-03	-0.01	9.75e-04	7.57
		1.98	9.75e-04	-2.99e-04	0.0	56.0	-1.94	-10.01	8.60e-03	-0.01	5.78e-03	1.98
223	184	-2.22	-3.30e-03	-2.58e-04	-0.18	0.0	0.54	18.66	-0.01	-0.02	-3.30e-03	-13.18
		-13.18	-0.01	3.26e-04	0.0	56.0	0.54	18.49	-0.01	-0.02	-0.01	-2.22
223	187	9.73	7.60e-03	3.22e-04	-0.18	0.0	-1.86	-12.78	0.01	-8.95e-03	8.74e-04	9.73
		1.96	8.74e-04	-3.23e-04	0.0	56.0	-1.86	-12.95	0.01	-8.95e-03	7.60e-03	1.96
223	212	-2.68	-3.87e-03	-3.55e-04	-0.18	0.0	0.87	18.44	-0.01	-0.02	-3.87e-03	-13.00
		-13.00	-0.01	3.62e-04	0.0	56.0	0.87	18.27	-0.01	-0.02	-0.01	-2.68
223	215	9.55	7.42e-03	4.19e-04	-0.18	0.0	-2.19	-12.56	0.01	-0.01	1.44e-03	9.55
		2.42	1.44e-03	-3.59e-04	0.0	56.0	-2.19	-12.73	0.01	-0.01	7.42e-03	2.42
223	216	-2.66	-3.75e-03	-3.27e-04	-0.18	0.0	0.78	21.95	-0.02	-0.02	-3.75e-03	-15.57
		-15.57	-0.01	3.91e-04	0.0	56.0	0.78	21.77	-0.02	-0.02	-0.01	-2.66
223	219	12.12	9.57e-03	3.91e-04	-0.18	0.0	-2.10	-16.06	0.01	-7.36e-03	1.33e-03	12.12
		2.41	1.33e-03	-3.88e-04	0.0	56.0	-2.10	-16.24	0.01	-7.36e-03	9.57e-03	2.41
224	18	0.0	-9.85e-04	8.97e-05	-0.23	0.0	-0.24	0.40	-0.07	0.09	-9.85e-04	-0.16
		-0.16	-0.04	4.60e-06	0.0	56.0	-0.24	0.17	-0.07	0.09	-0.04	0.0
224	19	9.34e-03	3.40e-04	6.32e-05	-0.18	0.0	-0.13	0.10	-0.05	0.10	3.40e-04	-6.31e-03
		-6.31e-03	-0.03	3.50e-06	0.0	56.0	-0.13	-0.08	-0.05	0.10	-0.03	0.0
224	20	0.0	3.13e-05	6.20e-05	-0.18	0.0	-0.12	0.19	-0.05	0.10	3.13e-05	-0.06
		-0.06	-0.03	3.71e-06	0.0	56.0	-0.12	0.01	-0.05	0.10	-0.03	0.0
224	35	0.0	-4.83e-03	8.25e-05	-0.23	0.0	-0.34	0.71	-0.03	-0.16	-4.83e-03	-0.33
		-0.33	-0.02	0.0	0.0	56.0	-0.34	0.48	-0.03	-0.16	-0.02	0.0
224	43	0.0	-5.30e-03	8.35e-05	-0.23	0.0	-0.38	0.58	-0.01	-0.25	-5.30e-03	-0.26
		-0.26	-0.01	-1.68e-06	0.0	56.0	-0.38	0.35	-0.01	-0.25	-0.01	0.0
224	72	3.85e-04	-3.51e-04	6.27e-05	-0.18	0.0	-0.15	0.16	-0.04	0.06	-3.51e-04	-0.04
		-0.04	-0.03	2.76e-06	0.0	56.0	-0.15	-0.02	-0.04	0.06	-0.03	0.0
224	73	0.0	-5.57e-04	6.19e-05	-0.18	0.0	-0.15	0.22	-0.05	0.06	-5.57e-04	-0.07
		-0.07	-0.03	2.90e-06	0.0	56.0	-0.15	0.04	-0.05	0.06	-0.03	0.0
224	75	0.0	-8.37e-04	6.74e-05	-0.18	0.0	-0.19	0.29	-0.05	0.06	-8.37e-04	-0.12
		-0.12	-0.03	3.19e-06	0.0	56.0	-0.19	0.12	-0.05	0.06	-0.03	0.0
224	83	0.0	-3.40e-03	6.26e-05	-0.18	0.0	-0.25	0.50	-0.02	-0.11	-3.40e-03	-0.23
		-0.23	-0.01	0.0	0.0	56.0	-0.25	0.32	-0.02	-0.11	-0.01	0.0
224	87	0.0	-3.71e-03	6.32e-05	-0.18	0.0	-0.28	0.41	-0.01	-0.17	-3.71e-03	-0.18
		-0.18	-0.01	0.0	0.0	56.0	-0.28	0.24	-0.01	-0.17	-0.01	0.0
224	98	0.0	-1.90e-03	6.58e-05	-0.18	0.0	-0.23	0.33	-0.03	-0.02	-1.90e-03	-0.13
		-0.13	-0.02	1.48e-06	0.0	56.0	-0.23	0.15	-0.03	-0.02	-0.02	0.0
224	101	0.0	-1.95e-03	6.47e-05	-0.18	0.0	-0.22	0.34	-0.03	-0.02	-1.95e-03	-0.14
		-0.14	-0.02	1.49e-06	0.0	56.0	-0.22	0.17	-0.03	-0.02	-0.02	0.0

224	102	0.0	-1.37e-03	6.08e-05	-0.18	0.0	-0.18	0.23	-0.03	3.09e-03	-1.37e-03	-0.08
		-0.08	-0.02	1.50e-06	0.0	56.0	-0.18	0.06	-0.03	3.09e-03	-0.02	0.0
224	103	0.0	-1.61e-03	6.55e-05	-0.18	0.0	-0.21	0.30	-0.03	-5.59e-04	-1.61e-03	-0.12
		-0.12	-0.02	1.76e-06	0.0	56.0	-0.21	0.12	-0.03	-5.59e-04	-0.02	0.0
224	105	0.0	-2.23e-03	6.45e-05	-0.18	0.0	-0.23	0.33	-0.03	-0.05	-2.23e-03	-0.14
		-0.14	-0.02	0.0	0.0	56.0	-0.23	0.16	-0.03	-0.05	-0.02	0.0
224	106	0.0	-1.62e-03	6.03e-05	-0.18	0.0	-0.19	0.25	-0.03	-0.01	-1.62e-03	-0.09
		-0.09	-0.02	1.19e-06	0.0	56.0	-0.19	0.08	-0.03	-0.01	-0.02	0.0
224	107	0.0	-1.86e-03	6.50e-05	-0.18	0.0	-0.22	0.32	-0.03	-0.02	-1.86e-03	-0.13
		-0.13	-0.02	1.44e-06	0.0	56.0	-0.22	0.14	-0.03	-0.02	-0.02	0.0
224	108	0.0	-8.58e-03	1.91e-04	-0.18	0.0	0.94	3.62	-0.17	-0.02	-8.58e-03	-1.98
		-1.98	-0.11	2.50e-04	0.0	56.0	0.94	3.44	-0.17	-0.02	-0.11	0.0
224	111	1.72	0.07	-6.10e-05	-0.18	0.0	-1.38	-2.98	0.11	-9.92e-03	4.85e-03	1.72
		0.0	4.85e-03	-2.48e-04	0.0	56.0	-1.38	-3.16	0.11	-9.92e-03	0.07	0.0
224	113	0.0	-8.52e-03	1.74e-04	-0.18	0.0	0.67	4.50	-0.11	-0.04	-8.52e-03	-2.47
		-2.47	-0.07	2.60e-04	0.0	56.0	0.67	4.33	-0.11	-0.04	-0.07	0.0
224	114	2.21	0.03	-4.43e-05	-0.18	0.0	-1.12	-3.86	0.05	5.69e-03	4.79e-03	2.21
		0.0	4.79e-03	-2.57e-04	0.0	56.0	-1.12	-4.04	0.05	5.69e-03	0.03	0.0
224	116	0.0	-8.35e-03	-1.03e-04	-0.18	0.0	1.14	3.52	-0.13	-0.02	-8.35e-03	-1.92
		-1.92	-0.08	2.63e-04	0.0	56.0	1.14	3.34	-0.13	-0.02	-0.08	0.0
224	119	1.66	0.04	2.33e-04	-0.18	0.0	-1.59	-2.88	0.07	-0.01	4.62e-03	1.66
		0.0	4.62e-03	-2.60e-04	0.0	56.0	-1.59	-3.06	0.07	-0.01	0.04	0.0
224	140	0.0	-9.43e-03	2.07e-04	-0.18	0.0	1.09	4.03	-0.19	-0.02	-9.43e-03	-2.21
		-2.21	-0.12	2.82e-04	0.0	56.0	1.09	3.86	-0.19	-0.02	-0.12	0.0
224	143	1.95	0.08	-7.75e-05	-0.18	0.0	-1.53	-3.40	0.13	-9.16e-03	5.70e-03	1.95
		0.0	5.70e-03	-2.79e-04	0.0	56.0	-1.53	-3.57	0.13	-9.16e-03	0.08	0.0
224	145	0.0	-9.36e-03	1.89e-04	-0.18	0.0	0.79	5.03	-0.12	-0.04	-9.36e-03	-2.77
		-2.77	-0.08	2.92e-04	0.0	56.0	0.79	4.86	-0.12	-0.04	-0.08	0.0
224	146	2.51	0.04	-5.86e-05	-0.18	0.0	-1.23	-4.40	0.06	8.39e-03	5.63e-03	2.51
		0.0	5.63e-03	-2.89e-04	0.0	56.0	-1.23	-4.57	0.06	8.39e-03	0.04	0.0
224	148	0.0	-9.21e-03	-1.27e-04	-0.18	0.0	1.32	3.94	-0.14	-0.02	-9.21e-03	-2.16
		-2.16	-0.09	2.96e-04	0.0	56.0	1.32	3.76	-0.14	-0.02	-0.09	0.0
224	151	1.90	0.05	2.57e-04	-0.18	0.0	-1.77	-3.30	0.08	-0.01	5.48e-03	1.90
		0.0	5.48e-03	-2.93e-04	0.0	56.0	-1.77	-3.48	0.08	-0.01	0.05	0.0
224	172	0.0	-9.45e-03	2.21e-04	-0.18	0.0	1.09	4.03	-0.19	-0.02	-9.45e-03	-2.21
		-2.21	-0.12	2.77e-04	0.0	56.0	1.09	3.86	-0.19	-0.02	-0.12	0.0
224	175	1.95	0.08	-9.06e-05	-0.18	0.0	-1.54	-3.40	0.13	-9.15e-03	5.73e-03	1.95
		0.0	5.73e-03	-2.74e-04	0.0	56.0	-1.54	-3.57	0.13	-9.15e-03	0.08	0.0
224	180	0.0	-9.51e-03	-1.51e-04	-0.18	0.0	1.38	4.08	-0.14	-0.02	-9.51e-03	-2.23
		-2.23	-0.09	3.00e-04	0.0	56.0	1.38	3.90	-0.14	-0.02	-0.09	0.0
224	183	1.98	0.05	2.81e-04	-0.18	0.0	-1.82	-3.44	0.08	-0.01	5.78e-03	1.98
		0.0	5.78e-03	-2.98e-04	0.0	56.0	-1.82	-3.62	0.08	-0.01	0.05	0.0
224	185	0.0	-9.45e-03	-1.70e-04	-0.18	0.0	1.07	5.09	-0.07	-0.04	-9.45e-03	-2.80
		-2.80	-0.05	3.11e-04	0.0	56.0	1.07	4.91	-0.07	-0.04	-0.05	0.0
224	186	2.54	0.01	3.00e-04	-0.18	0.0	-1.52	-4.45	9.06e-03	5.35e-03	5.73e-03	2.54
		0.0	5.73e-03	-3.08e-04	0.0	56.0	-1.52	-4.63	9.06e-03	5.35e-03	0.01	0.0
224	204	0.0	-0.01	2.56e-04	-0.18	0.0	1.33	4.69	-0.22	-0.02	-0.01	-2.58
		-2.58	-0.13	3.22e-04	0.0	56.0	1.33	4.51	-0.22	-0.02	-0.13	0.0
224	207	2.32	0.10	-1.26e-04	-0.18	0.0	-1.77	-4.05	0.16	-7.91e-03	7.07e-03	2.32
		0.0	7.07e-03	-3.19e-04	0.0	56.0	-1.77	-4.23	0.16	-7.91e-03	0.10	0.0
224	212	0.0	-0.01	-2.05e-04	-0.18	0.0	1.71	4.87	-0.16	-0.02	-0.01	-2.68
		-2.68	-0.10	3.60e-04	0.0	56.0	1.71	4.70	-0.16	-0.02	-0.10	0.0
224	215	2.42	0.07	3.35e-04	-0.18	0.0	-2.15	-4.24	0.10	-0.01	7.42e-03	2.42
		0.0	7.42e-03	-3.57e-04	0.0	56.0	-2.15	-4.41	0.10	-0.01	0.07	0.0
224	217	0.0	-0.01	-2.28e-04	-0.18	0.0	1.35	6.07	-0.08	-0.04	-0.01	-3.35
		-3.35	-0.06	3.73e-04	0.0	56.0	1.35	5.90	-0.08	-0.04	-0.06	0.0
224	218	3.09	0.02	3.58e-04	-0.18	0.0	-1.79	-5.44	0.02	9.19e-03	7.35e-03	3.09
		0.0	7.35e-03	-3.70e-04	0.0	56.0	-1.79	-5.61	0.02	9.19e-03	0.02	0.0
225	11	0.0	4.87e-03	-1.25e-04	-0.23	0.0	-0.31	-0.12	0.01	-0.15	-1.29e-03	0.0
		-0.13	-1.29e-03	-1.50e-06	0.0	56.0	-0.31	-0.35	0.01	-0.15	4.87e-03	-0.13
225	17	0.0	5.27e-03	-1.21e-04	-0.23	0.0	-0.36	-0.03	0.02	-0.25	-5.46e-03	0.0
		-0.08	-5.46e-03	-3.13e-06	0.0	56.0	-0.36	-0.25	0.02	-0.25	5.27e-03	-0.08
225	22	0.0	4.99e-03	-9.49e-05	-0.18	0.0	-0.29	-0.10	0.02	-0.24	-8.62e-03	0.0
		-0.11	-8.62e-03	-3.33e-06	0.0	56.0	-0.29	-0.28	0.02	-0.24	4.99e-03	-0.11
225	41	0.05	0.03	-1.09e-04	-0.23	0.0	-0.17	0.20	-0.04	0.10	0.03	0.0
		0.0	3.01e-04	3.60e-06	0.0	56.0	-0.17	-0.03	-0.04	0.10	3.01e-04	0.05
225	45	0.05	0.02	-8.21e-05	-0.18	0.0	-0.11	0.19	-0.04	0.11	0.02	0.0
		0.0	-3.05e-04	3.40e-06	0.0	56.0	-0.11	9.70e-03	-0.04	0.11	-3.05e-04	0.05
225	46	0.02	0.02	-8.33e-05	-0.18	0.0	-0.10	0.12	-0.04	0.11	0.02	0.0
		0.0	2.57e-05	3.39e-06	0.0	56.0	-0.10	-0.06	-0.04	0.11	2.57e-05	0.02
225	71	0.0	3.43e-03	-9.29e-05	-0.18	0.0	-0.23	-0.07	5.63e-03	-0.10	2.76e-04	0.0
		-0.09	2.76e-04	0.0	0.0	56.0	-0.23	-0.24	5.63e-03	-0.10	3.43e-03	-0.09
225	74	0.0	3.69e-03	-9.00e-05	-0.18	0.0	-0.26	-5.64e-03	0.01	-0.17	-2.50e-03	0.0
		-0.05	-2.50e-03	-2.01e-06	0.0	56.0	-0.26	-0.18	0.01	-0.17	3.69e-03	-0.05
225	75	0.0	3.91e-03	-9.08e-05	-0.18	0.0	-0.26	-0.05	0.01	-0.17	-3.14e-03	0.0

		-0.08	-3.14e-03	-2.01e-06	0.0	56.0	-0.26	-0.23	0.01	-0.17	3.91e-03	-0.08
225	85	0.03	0.02	-8.23e-05	-0.18	0.0	-0.14	0.14	-0.03	0.07	0.02	0.0
		0.0	3.78e-04	2.47e-06	0.0	56.0	-0.14	-0.03	-0.03	0.07	3.78e-04	0.03
225	86	0.02	0.02	-8.30e-05	-0.18	0.0	-0.13	0.10	-0.03	0.07	0.02	0.0
		0.0	5.98e-04	2.47e-06	0.0	56.0	-0.13	-0.08	-0.03	0.07	5.98e-04	5.82e-03
225	101	2.45e-03	7.45e-03	-9.16e-05	-0.18	0.0	-0.20	0.04	-9.77e-03	-0.01	7.45e-03	0.0
		-0.03	1.98e-03	0.0	0.0	56.0	-0.20	-0.14	-9.77e-03	-0.01	1.98e-03	-0.03
225	103	3.18e-03	5.67e-03	-9.06e-05	-0.18	0.0	-0.21	0.04	-6.13e-03	-0.04	5.67e-03	0.0
		-0.02	2.24e-03	0.0	0.0	56.0	-0.21	-0.13	-6.13e-03	-0.04	2.24e-03	-0.02
225	104	0.01	0.01	-7.96e-05	-0.18	0.0	-0.17	0.08	-0.02	6.50e-03	0.01	0.0
		-4.53e-03	1.37e-03	0.0	0.0	56.0	-0.17	-0.10	-0.02	6.50e-03	1.37e-03	-4.53e-03
225	106	6.56e-03	8.02e-03	-7.90e-05	-0.18	0.0	-0.18	0.06	-0.01	-8.80e-03	8.02e-03	0.0
		-0.01	1.62e-03	0.0	0.0	56.0	-0.18	-0.11	-0.01	-8.80e-03	1.62e-03	-0.01
225	107	5.17e-03	7.71e-03	-9.12e-05	-0.18	0.0	-0.20	0.06	-0.01	-0.01	7.71e-03	0.0
		-0.02	1.89e-03	0.0	0.0	56.0	-0.20	-0.12	-0.01	-0.01	1.89e-03	-0.02
225	108	1.67	-4.85e-03	-1.78e-04	-0.18	0.0	-1.53	3.06	0.16	-2.37e-03	-0.10	0.0
		0.0	-0.10	2.61e-04	0.0	56.0	-1.53	2.89	0.16	-2.37e-03	-4.85e-03	1.67
225	111	0.0	0.11	-4.56e-06	-0.18	0.0	1.12	-2.95	-0.18	-0.02	0.11	0.0
		-1.70	8.63e-03	-2.59e-04	0.0	56.0	1.12	-3.12	-0.18	-0.02	8.63e-03	-1.70
225	113	2.29	-4.84e-03	-1.93e-04	-0.18	0.0	-1.23	4.18	0.09	0.01	-0.05	0.0
		0.0	-0.05	2.52e-04	0.0	56.0	-1.23	4.00	0.09	0.01	-4.84e-03	2.29
225	114	0.0	0.07	1.10e-05	-0.18	0.0	0.82	-4.06	-0.11	-0.04	0.07	0.0
		-2.33	8.61e-03	-2.51e-04	0.0	56.0	0.82	-4.24	-0.11	-0.04	8.61e-03	-2.33
225	124	0.0	-2.71e-03	-1.91e-04	-0.18	0.0	-1.19	-0.27	0.20	-0.03	-0.11	0.0
		-0.20	-0.11	6.30e-05	0.0	56.0	-1.19	-0.44	0.20	-0.03	-2.71e-03	-0.20
225	127	0.16	0.13	8.49e-06	-0.18	0.0	0.78	0.38	-0.22	3.02e-03	0.13	0.0
		0.0	6.49e-03	-6.16e-05	0.0	56.0	0.78	0.20	-0.22	3.02e-03	6.49e-03	0.16
225	140	1.88	-5.70e-03	-1.90e-04	-0.18	0.0	-1.70	3.44	0.19	-1.29e-03	-0.11	0.0
		0.0	-0.11	2.93e-04	0.0	56.0	-1.70	3.26	0.19	-1.29e-03	-5.70e-03	1.88
225	143	0.0	0.12	7.84e-06	-0.18	0.0	1.29	-3.32	-0.21	-0.02	0.12	0.0
		-1.91	9.47e-03	-2.92e-04	0.0	56.0	1.29	-3.50	-0.21	-0.02	9.47e-03	-1.91
225	145	2.58	-5.67e-03	-2.06e-04	-0.18	0.0	-1.36	4.69	0.10	0.02	-0.06	0.0
		0.0	-0.06	2.84e-04	0.0	56.0	-1.36	4.52	0.10	0.02	-5.67e-03	2.58
225	146	0.0	0.08	2.38e-05	-0.18	0.0	0.95	-4.58	-0.12	-0.04	0.08	0.0
		-2.61	9.45e-03	-2.82e-04	0.0	56.0	0.95	-4.75	-0.12	-0.04	9.45e-03	-2.61
225	156	0.0	-3.28e-03	-2.04e-04	-0.18	0.0	-1.31	-0.30	0.22	-0.03	-0.13	0.0
		-0.22	-0.13	7.07e-05	0.0	56.0	-1.31	-0.48	0.22	-0.03	-3.28e-03	-0.22
225	159	0.18	0.14	2.14e-05	-0.18	0.0	0.91	0.41	-0.24	4.76e-03	0.14	0.0
		0.0	7.06e-03	-6.93e-05	0.0	56.0	0.91	0.24	-0.24	4.76e-03	7.06e-03	0.18
225	172	1.76	-5.31e-03	-2.11e-04	-0.18	0.0	-1.62	3.24	0.18	-2.26e-03	-0.11	0.0
		0.0	-0.11	2.89e-04	0.0	56.0	-1.62	3.06	0.18	-2.26e-03	-5.31e-03	1.76
225	175	0.0	0.12	2.83e-05	-0.18	0.0	1.21	-3.12	-0.20	-0.02	0.12	0.0
		-1.80	9.09e-03	-2.87e-04	0.0	56.0	1.21	-3.30	-0.20	-0.02	9.09e-03	-1.80
225	177	2.44	-5.28e-03	-2.25e-04	-0.18	0.0	-1.30	4.44	0.10	0.02	-0.06	0.0
		0.0	-0.06	2.79e-04	0.0	56.0	-1.30	4.26	0.10	0.02	-5.28e-03	2.44
225	178	0.0	0.08	4.30e-05	-0.18	0.0	0.89	-4.32	-0.12	-0.04	0.08	0.0
		-2.47	9.06e-03	-2.77e-04	0.0	56.0	0.89	-4.50	-0.12	-0.04	9.06e-03	-2.47
225	188	0.0	-3.04e-03	-2.13e-04	-0.18	0.0	-1.27	-0.26	0.22	-0.03	-0.12	0.0
		-0.19	-0.12	6.61e-05	0.0	56.0	-1.27	-0.43	0.22	-0.03	-3.04e-03	-0.19
225	191	0.16	0.14	3.08e-05	-0.18	0.0	0.87	0.37	-0.24	4.38e-03	0.14	0.0
		0.0	6.82e-03	-6.47e-05	0.0	56.0	0.87	0.20	-0.24	4.38e-03	6.82e-03	0.16
225	204	2.01	-6.35e-03	-2.43e-04	-0.18	0.0	-1.83	3.68	0.22	-1.28e-03	-0.13	0.0
		0.0	-0.13	3.37e-04	0.0	56.0	-1.83	3.50	0.22	-1.28e-03	-6.35e-03	2.01
225	207	0.0	0.14	6.08e-05	-0.18	0.0	1.42	-3.56	-0.24	-0.02	0.14	0.0
		-2.04	0.01	-3.35e-04	0.0	56.0	1.42	-3.74	-0.24	-0.02	0.01	-2.04
225	209	2.78	-6.32e-03	-2.59e-04	-0.18	0.0	-1.46	5.06	0.12	0.02	-0.07	0.0
		0.0	-0.07	3.25e-04	0.0	56.0	-1.46	4.88	0.12	0.02	-6.32e-03	2.78
225	210	0.0	0.09	7.70e-05	-0.18	0.0	1.05	-4.94	-0.14	-0.04	0.09	0.0
		-2.82	0.01	-3.23e-04	0.0	56.0	1.05	-5.12	-0.14	-0.04	0.01	-2.82
225	220	0.0	-3.77e-03	-2.39e-04	-0.18	0.0	-1.44	-0.30	0.26	-0.03	-0.15	0.0
		-0.22	-0.15	7.59e-05	0.0	56.0	-1.44	-0.48	0.26	-0.03	-3.77e-03	-0.22
225	223	0.18	0.16	5.61e-05	-0.18	0.0	1.03	0.41	-0.28	6.90e-03	0.16	0.0
		0.0	7.55e-03	-7.45e-05	0.0	56.0	1.03	0.24	-0.28	6.90e-03	7.55e-03	0.18
226	4	-0.10	5.72e-03	-9.72e-05	-0.23	0.0	-1.15	-2.86	1.75e-03	-0.16	4.74e-03	-0.10
		-1.76	4.74e-03	0.0	0.0	56.0	-1.15	-3.08	1.75e-03	-0.16	4.74e-03	-1.76
226	18	-0.12	6.79e-03	-8.79e-05	-0.23	0.0	-1.23	-2.78	2.14e-03	-0.25	5.60e-03	-0.12
		-1.74	5.60e-03	-2.21e-06	0.0	56.0	-1.23	-3.01	2.14e-03	-0.25	6.79e-03	-1.74
226	45	0.05	-3.05e-04	-5.73e-05	-0.18	0.0	-0.25	-1.50	-9.45e-04	0.11	-3.05e-04	0.05
		-0.84	-8.34e-04	3.31e-06	0.0	56.0	-0.25	-1.68	-9.45e-04	0.11	-8.34e-04	-0.84
226	68	-0.07	3.97e-03	-7.12e-05	-0.18	0.0	-0.83	-2.11	1.12e-03	-0.11	3.34e-03	-0.07
		-1.29	3.34e-03	0.0	0.0	56.0	-0.83	-2.28	1.12e-03	-0.11	3.97e-03	-1.29
226	75	-0.08	4.68e-03	-6.50e-05	-0.18	0.0	-0.88	-2.06	1.38e-03	-0.17	3.91e-03	-0.08
		-1.28	3.91e-03	-1.37e-06	0.0	56.0	-0.88	-2.23	1.38e-03	-0.17	4.68e-03	-1.28
226	85	0.03	3.78e-04	-5.76e-05	-0.18	0.0	-0.36	-1.58	-6.38e-04	0.07	3.78e-04	0.03
		-0.90	2.02e-05	2.50e-06	0.0	56.0	-0.36	-1.76	-6.38e-04	0.07	2.02e-05	-0.90

226	103	-0.02	2.53e-03	-6.44e-05	-0.18	0.0	-0.68	-1.89	5.24e-04	-0.04	2.24e-03	-0.02
		-1.13	2.24e-03	0.0	0.0	56.0	-0.68	-2.07	5.24e-04	-0.04	2.53e-03	-1.13
226	104	-4.53e-03	1.37e-03	-5.57e-05	-0.18	0.0	-0.52	-1.66	-2.16e-04	6.50e-03	1.37e-03	-4.53e-03
		-0.98	1.25e-03	1.18e-06	0.0	56.0	-0.52	-1.83	-2.16e-04	6.50e-03	1.25e-03	-0.98
226	106	-0.01	1.62e-03	-5.52e-05	-0.18	0.0	-0.56	-1.67	-1.10e-04	-8.80e-03	1.62e-03	-0.01
		-1.00	1.56e-03	0.0	0.0	56.0	-0.56	-1.85	-1.10e-04	-8.80e-03	1.56e-03	-1.00
226	107	-0.02	2.05e-03	-6.50e-05	-0.18	0.0	-0.63	-1.87	2.93e-04	-0.01	1.89e-03	-0.02
		-1.11	1.89e-03	0.0	0.0	56.0	-0.63	-2.04	2.93e-04	-0.01	2.05e-03	-1.11
226	108	9.38	-5.25e-04	-1.98e-03	-0.18	0.0	-1.87	13.11	6.82e-03	-2.37e-03	-4.85e-03	1.67
		1.67	-4.85e-03	2.60e-04	0.0	56.0	-1.87	12.94	6.82e-03	-2.37e-03	-5.25e-04	9.38
226	111	-1.70	8.63e-03	1.85e-03	-0.18	0.0	0.61	-16.85	-6.23e-03	-0.02	8.63e-03	-1.70
		-11.60	4.63e-03	-2.58e-04	0.0	56.0	0.61	-17.02	-6.23e-03	-0.02	4.63e-03	-11.60
226	113	9.51	-1.29e-03	-1.99e-03	-0.18	0.0	-1.37	13.03	5.00e-03	0.01	-4.84e-03	2.29
		2.29	-4.84e-03	2.53e-04	0.0	56.0	-1.37	12.85	5.00e-03	0.01	-1.29e-03	9.51
226	114	-2.33	8.61e-03	1.86e-03	-0.18	0.0	0.10	-16.76	-4.41e-03	-0.04	8.61e-03	-2.33
		-11.73	5.40e-03	-2.51e-04	0.0	56.0	0.10	-16.94	-4.41e-03	-0.04	5.40e-03	-11.73
226	124	6.08	2.19e-03	-7.51e-04	-0.18	0.0	-2.01	8.70	5.68e-03	-0.03	-2.71e-03	-0.20
		-0.20	-2.71e-03	6.15e-05	0.0	56.0	-2.01	8.52	5.68e-03	-0.03	2.19e-03	6.08
226	127	0.16	6.49e-03	6.21e-04	-0.18	0.0	0.75	-12.43	-5.10e-03	3.02e-03	6.49e-03	0.16
		-8.30	1.91e-03	-5.95e-05	0.0	56.0	0.75	-12.61	-5.10e-03	3.02e-03	1.91e-03	-8.30
226	140	10.68	-8.49e-04	-2.22e-03	-0.18	0.0	-2.03	14.98	7.63e-03	-1.29e-03	-5.70e-03	1.88
		1.88	-5.70e-03	2.93e-04	0.0	56.0	-2.03	14.81	7.63e-03	-1.29e-03	-8.49e-04	10.68
226	143	-1.91	9.47e-03	2.09e-03	-0.18	0.0	0.76	-18.72	-7.05e-03	-0.02	9.47e-03	-1.91
		-12.91	4.95e-03	-2.91e-04	0.0	56.0	0.76	-18.89	-7.05e-03	-0.02	4.95e-03	-12.91
226	145	10.83	-1.71e-03	-2.23e-03	-0.18	0.0	-1.46	14.88	5.59e-03	0.02	-5.67e-03	2.58
		2.58	-5.67e-03	2.84e-04	0.0	56.0	-1.46	14.71	5.59e-03	0.02	-1.71e-03	10.83
226	146	-2.61	9.45e-03	2.10e-03	-0.18	0.0	0.20	-18.62	-5.00e-03	-0.04	9.45e-03	-2.61
		-13.06	5.82e-03	-2.82e-04	0.0	56.0	0.20	-18.80	-5.00e-03	-0.04	5.82e-03	-13.06
226	156	6.97	2.20e-03	-8.37e-04	-0.18	0.0	-2.19	10.01	6.35e-03	-0.03	-3.28e-03	-0.22
		-0.22	-3.28e-03	6.90e-05	0.0	56.0	-2.19	9.83	6.35e-03	-0.03	2.20e-03	6.97
226	159	0.18	7.06e-03	7.07e-04	-0.18	0.0	0.92	-13.74	-5.77e-03	4.76e-03	7.06e-03	0.18
		-9.19	1.90e-03	-6.70e-05	0.0	56.0	0.92	-13.92	-5.77e-03	4.76e-03	1.90e-03	-9.19
226	172	10.09	-7.07e-04	-2.14e-03	-0.18	0.0	-1.98	14.18	7.30e-03	-2.26e-03	-5.31e-03	1.76
		1.76	-5.31e-03	2.88e-04	0.0	56.0	-1.98	14.00	7.30e-03	-2.26e-03	-7.07e-04	10.09
226	175	-1.80	9.09e-03	2.01e-03	-0.18	0.0	0.72	-17.91	-6.72e-03	-0.02	9.09e-03	-1.80
		-12.31	4.81e-03	-2.86e-04	0.0	56.0	0.72	-18.09	-6.72e-03	-0.02	4.81e-03	-12.31
226	177	10.24	-1.52e-03	-2.15e-03	-0.18	0.0	-1.43	14.08	5.34e-03	0.02	-5.28e-03	2.44
		2.44	-5.28e-03	2.79e-04	0.0	56.0	-1.43	13.90	5.34e-03	0.02	-1.52e-03	10.24
226	178	-2.47	9.06e-03	2.02e-03	-0.18	0.0	0.17	-17.82	-4.75e-03	-0.04	9.06e-03	-2.47
		-12.46	5.62e-03	-2.77e-04	0.0	56.0	0.17	-17.99	-4.75e-03	-0.04	5.62e-03	-12.46
226	188	6.60	2.14e-03	-8.18e-04	-0.18	0.0	-2.16	9.52	6.17e-03	-0.03	-3.04e-03	-0.19
		-0.19	-3.04e-03	6.43e-05	0.0	56.0	-2.16	9.34	6.17e-03	-0.03	2.14e-03	6.60
226	191	0.16	6.82e-03	6.88e-04	-0.18	0.0	0.89	-13.25	-5.59e-03	4.38e-03	6.82e-03	0.16
		-8.82	1.97e-03	-6.23e-05	0.0	56.0	0.89	-13.43	-5.59e-03	4.38e-03	1.97e-03	-8.82
226	204	11.70	-1.11e-03	-2.46e-03	-0.18	0.0	-2.19	16.52	8.33e-03	-1.28e-03	-6.35e-03	2.01
		2.01	-6.35e-03	3.36e-04	0.0	56.0	-2.19	16.35	8.33e-03	-1.28e-03	-1.11e-03	11.70
226	207	-2.04	0.01	2.33e-03	-0.18	0.0	0.93	-20.26	-7.75e-03	-0.02	0.01	-2.04
		-13.93	5.21e-03	-3.34e-04	0.0	56.0	0.93	-20.44	-7.75e-03	-0.02	5.21e-03	-13.93
226	209	11.89	-2.03e-03	-2.46e-03	-0.18	0.0	-1.56	16.41	6.08e-03	0.02	-6.32e-03	2.78
		2.78	-6.32e-03	3.25e-04	0.0	56.0	-1.56	16.24	6.08e-03	0.02	-2.03e-03	11.89
226	210	-2.82	0.01	2.33e-03	-0.18	0.0	0.29	-20.15	-5.49e-03	-0.04	0.01	-2.82
		-14.11	6.13e-03	-3.23e-04	0.0	56.0	0.29	-20.33	-5.49e-03	-0.04	6.13e-03	-14.11
226	220	7.74	2.13e-03	-9.38e-04	-0.18	0.0	-2.40	11.23	7.08e-03	-0.03	-3.77e-03	-0.22
		-0.22	-3.77e-03	7.36e-05	0.0	56.0	-2.40	11.05	7.08e-03	-0.03	2.13e-03	7.74
226	223	0.18	7.55e-03	8.08e-04	-0.18	0.0	1.14	-14.96	-6.50e-03	6.90e-03	7.55e-03	0.18
		-9.96	1.98e-03	-7.16e-05	0.0	56.0	1.14	-15.14	-6.50e-03	6.90e-03	1.98e-03	-9.96
227	4	3.06	5.72e-03	-8.17e-04	-0.98	0.0	-1.58	2.50	-4.85e-03	-0.16	5.72e-03	-1.76
		-1.76	-5.92e-03	2.31e-06	0.0	240.0	-1.58	1.52	-4.85e-03	-0.16	-5.92e-03	3.06
227	18	2.97	6.79e-03	-7.72e-04	-0.98	0.0	-1.70	2.45	-6.97e-03	-0.25	6.79e-03	-1.74
		-1.74	-9.94e-03	-4.81e-06	0.0	240.0	-1.70	1.47	-6.97e-03	-0.25	-9.94e-03	2.97
227	19	1.97	5.08e-03	-4.61e-04	-0.75	0.0	-1.24	1.67	-6.28e-03	-0.24	5.08e-03	-1.13
		-1.13	-1.00e-02	-9.72e-06	0.0	240.0	-1.24	0.92	-6.28e-03	-0.24	-1.00e-02	1.97
227	45	1.75	4.86e-03	-4.17e-04	-0.75	0.0	-0.38	1.46	2.37e-03	0.11	-8.34e-04	-0.84
		-0.84	-8.34e-04	1.53e-05	0.0	240.0	-0.38	0.70	2.37e-03	0.11	4.86e-03	1.75
227	68	2.28	3.97e-03	-5.97e-04	-0.75	0.0	-1.15	1.86	-3.29e-03	-0.11	3.97e-03	-1.29
		-1.29	-3.94e-03	2.18e-06	0.0	240.0	-1.15	1.11	-3.29e-03	-0.11	-3.94e-03	2.28
227	72	1.97	3.96e-03	-4.66e-04	-0.75	0.0	-1.10	1.65	-4.42e-03	-0.16	3.96e-03	-1.10
		-1.10	-6.64e-03	-4.41e-06	0.0	240.0	-1.10	0.90	-4.42e-03	-0.16	-6.64e-03	1.97
227	75	2.22	4.68e-03	-5.67e-04	-0.75	0.0	-1.23	1.83	-4.71e-03	-0.17	4.68e-03	-1.28
		-1.28	-6.62e-03	-2.56e-06	0.0	240.0	-1.23	1.08	-4.71e-03	-0.17	-6.62e-03	2.22
227	85	1.82	3.26e-03	-4.37e-04	-0.75	0.0	-0.53	1.51	1.35e-03	0.07	2.02e-05	-0.90
		-0.90	2.02e-05	1.23e-05	0.0	240.0	-0.53	0.76	1.35e-03	0.07	3.26e-03	1.82
227	98	2.10	2.13e-03	-5.35e-04	-0.75	0.0	-0.90	1.72	-8.63e-04	-0.01	2.13e-03	-1.13
		-1.13	6.36e-05	7.32e-06	0.0	240.0	-0.90	0.97	-8.63e-04	-0.01	6.36e-05	2.10
227	102	1.91	2.04e-03	-4.54e-04	-0.75	0.0	-0.86	1.60	-1.39e-03	-0.04	2.04e-03	-1.02

		-1.02	-1.29e-03	3.77e-06	0.0	240.0	-0.86	0.84	-1.39e-03	-0.04	-1.29e-03	1.91
227	103	2.09	2.53e-03	-5.26e-04	-0.75	0.0	-0.95	1.72	-1.59e-03	-0.04	2.53e-03	-1.13
		-1.13	-1.28e-03	5.06e-06	0.0	240.0	-0.95	0.97	-1.59e-03	-0.04	-1.28e-03	2.09
227	104	1.88	1.25e-03	-4.48e-04	-0.75	0.0	-0.74	1.57	-2.33e-04	6.50e-03	1.25e-03	-0.98
		-0.98	6.95e-04	7.11e-06	0.0	240.0	-0.74	0.82	-2.33e-04	6.50e-03	6.95e-04	1.88
227	106	1.90	1.56e-03	-4.51e-04	-0.75	0.0	-0.80	1.58	-6.29e-04	-8.80e-03	1.56e-03	-1.00
		-1.00	5.39e-05	5.82e-06	0.0	240.0	-0.80	0.83	-6.29e-04	-8.80e-03	5.39e-05	1.90
227	107	2.07	2.05e-03	-5.23e-04	-0.75	0.0	-0.89	1.70	-8.29e-04	-0.01	2.05e-03	-1.11
		-1.11	6.22e-05	7.11e-06	0.0	240.0	-0.89	0.95	-8.29e-04	-0.01	6.22e-05	2.07
227	114	14.11	5.40e-03	-2.36e-03	-0.75	0.0	-4.02	11.14	-1.51e-03	-0.04	5.40e-03	-11.73
		-11.73	2.07e-03	-1.07e-03	0.0	240.0	-4.02	10.39	-1.51e-03	-0.04	2.07e-03	14.11
227	133	6.52	-3.69e-04	4.14e-04	-0.75	0.0	2.44	-5.06	-8.45e-04	0.03	-3.69e-04	6.52
		-6.52	-2.08e-03	1.66e-04	0.0	240.0	2.44	-5.81	-8.45e-04	0.03	-2.08e-03	-6.52
227	134	10.67	4.47e-03	-1.46e-03	-0.75	0.0	-4.21	8.46	-8.13e-04	-0.05	4.47e-03	-8.74
		-8.74	2.20e-03	-1.51e-04	0.0	240.0	-4.21	7.71	-8.13e-04	-0.05	2.20e-03	10.67
227	137	5.78	-1.11e-04	-1.84e-04	-0.75	0.0	2.30	-4.41	-9.68e-04	0.03	-1.11e-04	5.78
		-5.71	-2.09e-03	1.81e-04	0.0	240.0	2.30	-5.16	-9.68e-04	0.03	-2.09e-03	-5.71
227	146	15.61	5.82e-03	-2.59e-03	-0.75	0.0	-4.41	12.32	-1.60e-03	-0.04	5.82e-03	-13.06
		-13.06	2.32e-03	-1.21e-03	0.0	240.0	-4.41	11.57	-1.60e-03	-0.04	2.32e-03	15.61
227	165	7.46	-6.69e-04	5.31e-04	-0.75	0.0	2.85	-5.89	-8.46e-04	0.03	-6.69e-04	7.46
		-7.59	-2.34e-03	1.83e-04	0.0	240.0	2.85	-6.65	-8.46e-04	0.03	-2.34e-03	-7.59
227	166	11.73	4.77e-03	-1.58e-03	-0.75	0.0	-4.63	9.30	-8.12e-04	-0.06	4.77e-03	-9.69
		-9.69	2.47e-03	-1.69e-04	0.0	240.0	-4.63	8.55	-8.12e-04	-0.06	2.47e-03	11.73
227	169	6.61	-3.73e-04	-1.40e-04	-0.75	0.0	2.69	-5.15	-9.86e-04	0.03	-3.73e-04	6.61
		-6.65	-2.36e-03	2.01e-04	0.0	240.0	2.69	-5.90	-9.86e-04	0.03	-2.36e-03	-6.65
227	178	14.91	5.62e-03	-2.54e-03	-0.75	0.0	-4.23	11.78	-1.59e-03	-0.04	5.62e-03	-12.46
		-12.46	2.18e-03	-1.19e-03	0.0	240.0	-4.23	11.03	-1.59e-03	-0.04	2.18e-03	14.91
227	197	7.11	-5.61e-04	5.12e-04	-0.75	0.0	2.76	-5.58	-8.41e-04	0.03	-5.61e-04	7.11
		-7.18	-2.28e-03	1.62e-04	0.0	240.0	2.76	-6.33	-8.41e-04	0.03	-2.28e-03	-7.18
227	198	11.32	4.67e-03	-1.56e-03	-0.75	0.0	-4.53	8.98	-8.17e-04	-0.06	4.67e-03	-9.34
		-9.34	2.40e-03	-1.48e-04	0.0	240.0	-4.53	8.23	-8.17e-04	-0.06	2.40e-03	11.32
227	201	6.20	-2.40e-04	-1.22e-04	-0.75	0.0	2.57	-4.77	-9.83e-04	0.03	-2.40e-04	6.20
		-6.15	-2.30e-03	1.92e-04	0.0	240.0	2.57	-5.52	-9.83e-04	0.03	-2.30e-03	-6.15
227	210	16.76	6.13e-03	-2.86e-03	-0.75	0.0	-4.70	13.24	-1.71e-03	-0.04	6.13e-03	-14.11
		-14.11	2.48e-03	-1.39e-03	0.0	240.0	-4.70	12.49	-1.71e-03	-0.04	2.48e-03	16.76
227	229	8.35	-9.55e-04	6.79e-04	-0.75	0.0	3.33	-6.67	-8.46e-04	0.04	-9.55e-04	8.35
		-8.56	-2.65e-03	1.75e-04	0.0	240.0	3.33	-7.42	-8.46e-04	0.04	-2.65e-03	-8.56
227	230	12.70	5.06e-03	-1.73e-03	-0.75	0.0	-5.10	10.07	-8.13e-04	-0.06	5.06e-03	-10.57
		-10.57	2.77e-03	-1.61e-04	0.0	240.0	-5.10	9.32	-8.13e-04	-0.06	2.77e-03	12.70
227	233	7.28	-5.78e-04	-7.74e-05	-0.75	0.0	3.10	-5.72	-1.01e-03	0.04	-5.78e-04	7.28
		-7.36	-2.68e-03	2.23e-04	0.0	240.0	3.10	-6.48	-1.01e-03	0.04	-2.68e-03	-7.36
228	11	0.35	-6.28e-03	-3.15e-05	-0.12	0.0	-1.15	-9.12e-03	-0.05	-0.10	-6.28e-03	0.35
		0.33	-0.02	0.0	0.0	30.0	-1.15	-0.13	-0.05	-0.10	-0.02	0.33
228	18	0.35	-0.01	-2.99e-05	-0.12	0.0	-1.36	-4.45e-03	-0.07	-0.16	-0.01	0.35
		0.33	-0.03	0.0	0.0	30.0	-1.36	-0.13	-0.07	-0.16	-0.03	0.33
228	45	0.24	0.01	-1.08e-05	-0.09	0.0	0.14	0.04	0.03	0.07	5.40e-03	0.24
		0.24	5.40e-03	1.81e-06	0.0	30.0	0.14	-0.05	0.03	0.07	0.01	0.24
228	71	0.27	-4.17e-03	-2.21e-05	-0.09	0.0	-0.82	4.07e-04	-0.03	-0.07	-4.17e-03	0.27
		0.25	-0.01	0.0	0.0	30.0	-0.82	-0.09	-0.03	-0.07	-0.01	0.25
228	75	0.27	-7.10e-03	-2.10e-05	-0.09	0.0	-0.95	3.52e-03	-0.05	-0.11	-7.10e-03	0.27
		0.25	-0.02	0.0	0.0	30.0	-0.95	-0.09	-0.05	-0.11	-0.02	0.25
228	85	0.25	8.75e-03	-1.20e-05	-0.09	0.0	-0.06	0.04	0.01	0.04	3.65e-03	0.25
		0.24	3.65e-03	1.52e-06	0.0	30.0	-0.06	-0.06	0.01	0.04	8.75e-03	0.24
228	101	0.26	1.74e-04	-1.86e-05	-0.09	0.0	-0.52	0.01	-9.10e-03	-8.27e-03	1.74e-04	0.26
		0.25	-2.21e-03	1.10e-06	0.0	30.0	-0.52	-0.08	-9.10e-03	-8.27e-03	-2.21e-03	0.25
228	103	0.26	-1.29e-03	-1.82e-05	-0.09	0.0	-0.59	0.01	-0.02	-0.03	-1.29e-03	0.26
		0.25	-5.99e-03	0.0	0.0	30.0	-0.59	-0.08	-0.02	-0.03	-5.99e-03	0.25
228	104	0.25	8.40e-04	-1.25e-05	-0.09	0.0	-0.36	0.03	-2.42e-03	3.20e-03	8.40e-04	0.25
		0.24	4.75e-04	1.00e-06	0.0	30.0	-0.36	-0.06	-2.42e-03	3.20e-03	4.75e-04	0.24
228	105	0.26	8.70e-04	-1.79e-05	-0.09	0.0	-0.43	0.02	-4.58e-03	1.51e-03	8.70e-04	0.26
		0.25	-7.22e-05	1.21e-06	0.0	30.0	-0.43	-0.08	-4.58e-03	1.51e-03	-7.22e-05	0.25
228	106	0.25	1.38e-04	-1.26e-05	-0.09	0.0	-0.44	0.03	-6.67e-03	-6.51e-03	1.38e-04	0.25
		0.25	-1.59e-03	0.0	0.0	30.0	-0.44	-0.06	-6.67e-03	-6.51e-03	-1.59e-03	0.25
228	107	0.26	1.69e-04	-1.80e-05	-0.09	0.0	-0.51	0.01	-8.82e-03	-8.20e-03	1.69e-04	0.26
		0.25	-2.14e-03	1.08e-06	0.0	30.0	-0.51	-0.08	-8.82e-03	-8.20e-03	-2.14e-03	0.25
228	110	0.82	1.48e-03	3.50e-05	-0.09	0.0	-3.34	-1.45	-0.02	-0.02	1.48e-03	0.82
		0.37	-5.18e-03	-1.45e-04	0.0	30.0	-3.34	-1.55	-0.02	-0.02	-5.18e-03	0.37
228	113	0.08	3.52e-04	-9.20e-05	-0.09	0.0	2.79	2.00	3.08e-03	1.54e-03	-9.18e-04	-0.51
		-0.51	-9.18e-04	1.37e-04	0.0	30.0	2.79	1.91	3.08e-03	1.54e-03	3.52e-04	0.08
228	114	1.02	1.25e-03	5.60e-05	-0.09	0.0	-3.81	-1.97	-0.02	-0.02	1.25e-03	1.02
		0.42	-4.63e-03	-1.35e-04	0.0	30.0	-3.81	-2.07	-0.02	-0.02	-4.63e-03	0.42
228	133	0.13	1.46e-04	-6.72e-05	-0.09	0.0	3.34	1.41	-8.60e-03	-9.59e-03	1.46e-04	-0.28
		-0.28	-2.10e-03	2.21e-05	0.0	30.0	3.34	1.32	-8.60e-03	-9.59e-03	-2.10e-03	0.13
228	134	0.79	1.91e-04	3.12e-05	-0.09	0.0	-4.36	-1.38	-9.05e-03	-6.81e-03	1.91e-04	0.79
		0.37	-2.18e-03	-1.99e-05	0.0	30.0	-4.36	-1.48	-9.05e-03	-6.81e-03	-2.18e-03	0.37

228	142	0.89	1.64e-03	4.18e-05	-0.09	0.0	-3.69	-1.64	-0.03	-0.02	1.64e-03	0.89
		0.39	-5.56e-03	-1.64e-04	0.0	30.0	-3.69	-1.73	-0.03	-0.02	-5.56e-03	0.39
228	145	0.06	6.67e-04	-1.01e-04	-0.09	0.0	3.20	2.25	4.59e-03	2.77e-03	-1.05e-03	-0.60
		-0.60	-1.05e-03	1.54e-04	0.0	30.0	3.20	2.16	4.59e-03	2.77e-03	6.67e-04	0.06
228	146	1.12	1.39e-03	6.53e-05	-0.09	0.0	-4.22	-2.22	-0.02	-0.02	1.39e-03	1.12
		0.44	-4.95e-03	-1.52e-04	0.0	30.0	-4.22	-2.32	-0.02	-0.02	-4.95e-03	0.44
228	165	0.12	1.41e-04	-7.33e-05	-0.09	0.0	3.83	1.59	-8.54e-03	-9.79e-03	1.41e-04	-0.35
		-0.35	-2.09e-03	2.44e-05	0.0	30.0	3.83	1.49	-8.54e-03	-9.79e-03	-2.09e-03	0.12
228	166	0.86	1.96e-04	3.73e-05	-0.09	0.0	-4.84	-1.56	-9.10e-03	-6.61e-03	1.96e-04	0.86
		0.38	-2.19e-03	-2.23e-05	0.0	30.0	-4.84	-1.65	-9.10e-03	-6.61e-03	-2.19e-03	0.38
228	174	0.86	1.61e-03	4.29e-05	-0.09	0.0	-3.48	-1.55	-0.02	-0.02	1.61e-03	0.86
		0.38	-5.45e-03	-1.62e-04	0.0	30.0	-3.48	-1.64	-0.02	-0.02	-5.45e-03	0.38
228	177	0.07	6.00e-04	-1.02e-04	-0.09	0.0	3.02	2.14	4.30e-03	2.72e-03	-1.03e-03	-0.56
		-0.56	-1.03e-03	1.51e-04	0.0	30.0	3.02	2.05	4.30e-03	2.72e-03	6.00e-04	0.07
228	178	1.08	1.37e-03	6.63e-05	-0.09	0.0	-4.03	-2.11	-0.02	-0.02	1.37e-03	1.08
		0.43	-4.88e-03	-1.49e-04	0.0	30.0	-4.03	-2.21	-0.02	-0.02	-4.88e-03	0.43
228	197	0.12	1.31e-04	-7.31e-05	-0.09	0.0	3.72	1.52	-8.37e-03	-9.88e-03	1.31e-04	-0.32
		-0.32	-2.05e-03	2.17e-05	0.0	30.0	3.72	1.43	-8.37e-03	-9.88e-03	-2.05e-03	0.12
228	198	0.83	2.06e-04	3.71e-05	-0.09	0.0	-4.74	-1.49	-9.28e-03	-6.53e-03	2.06e-04	0.83
		0.37	-2.23e-03	-1.95e-05	0.0	30.0	-4.74	-1.59	-9.28e-03	-6.53e-03	-2.23e-03	0.37
228	206	0.95	1.84e-03	5.43e-05	-0.09	0.0	-3.89	-1.77	-0.03	-0.02	1.84e-03	0.95
		0.40	-5.97e-03	-1.90e-04	0.0	30.0	-3.89	-1.87	-0.03	-0.02	-5.97e-03	0.40
228	209	0.04	1.04e-03	-1.17e-04	-0.09	0.0	3.52	2.45	6.42e-03	4.62e-03	-1.23e-03	-0.68
		-0.68	-1.23e-03	1.76e-04	0.0	30.0	3.52	2.36	6.42e-03	4.62e-03	1.04e-03	0.04
228	210	1.20	1.57e-03	8.14e-05	-0.09	0.0	-4.53	-2.42	-0.02	-0.02	1.57e-03	1.20
		0.46	-5.32e-03	-1.74e-04	0.0	30.0	-4.53	-2.52	-0.02	-0.02	-5.32e-03	0.46
228	229	0.10	1.26e-04	-8.22e-05	-0.09	0.0	4.39	1.75	-8.28e-03	-0.01	1.26e-04	-0.41
		-0.41	-2.03e-03	2.35e-05	0.0	30.0	4.39	1.65	-8.28e-03	-0.01	-2.03e-03	0.10
228	230	0.92	2.11e-04	4.62e-05	-0.09	0.0	-5.41	-1.72	-9.37e-03	-6.15e-03	2.11e-04	0.92
		0.39	-2.25e-03	-2.14e-05	0.0	30.0	-5.41	-1.81	-9.37e-03	-6.15e-03	-2.25e-03	0.39
229	11	0.33	-5.85e-03	-2.76e-05	-0.12	0.0	-0.51	-0.16	0.08	0.04	-0.02	0.33
		0.27	-0.02	0.0	0.0	30.0	-0.51	-0.28	0.08	0.04	-5.85e-03	0.27
229	18	0.33	-0.01	-2.60e-05	-0.12	0.0	-0.58	-0.16	0.11	0.08	-0.04	0.33
		0.27	-0.04	0.0	0.0	30.0	-0.58	-0.28	0.11	0.08	-0.01	0.27
229	45	0.24	0.02	-8.09e-06	-0.09	0.0	-0.08	-0.06	-0.05	-0.04	0.02	0.24
		0.21	5.60e-03	1.77e-06	0.0	30.0	-0.08	-0.15	-0.05	-0.04	5.60e-03	0.21
229	55	0.25	7.28e-04	-2.24e-05	-0.09	0.0	-0.31	-0.12	0.01	-2.07e-03	-2.77e-03	0.25
		0.20	-2.77e-03	1.08e-06	0.0	30.0	-0.31	-0.21	0.01	-2.07e-03	7.28e-04	0.20
229	71	0.25	-3.86e-03	-1.91e-05	-0.09	0.0	-0.37	-0.11	0.05	0.03	-0.02	0.25
		0.21	-0.02	0.0	0.0	30.0	-0.37	-0.21	0.05	0.03	-3.86e-03	0.21
229	75	0.25	-6.94e-03	-1.81e-05	-0.09	0.0	-0.41	-0.11	0.08	0.05	-0.02	0.25
		0.21	-0.02	0.0	0.0	30.0	-0.41	-0.21	0.08	0.05	-6.94e-03	0.21
229	85	0.24	9.86e-03	-9.23e-06	-0.09	0.0	-0.13	-0.06	-0.03	-0.03	9.86e-03	0.24
		0.21	3.89e-03	1.43e-06	0.0	30.0	-0.13	-0.16	-0.03	-0.03	3.89e-03	0.21
229	91	0.25	6.36e-04	-1.87e-05	-0.09	0.0	-0.29	-0.11	0.01	-1.89e-03	-2.42e-03	0.25
		0.20	-2.42e-03	0.0	0.0	30.0	-0.29	-0.20	0.01	-1.89e-03	6.36e-04	0.20
229	98	0.25	5.66e-04	-1.61e-05	-0.09	0.0	-0.27	-0.10	9.08e-03	-1.76e-03	-2.15e-03	0.25
		0.20	-2.15e-03	0.0	0.0	30.0	-0.27	-0.19	9.08e-03	-1.76e-03	5.66e-04	0.20
229	101	0.25	5.64e-04	-1.57e-05	-0.09	0.0	-0.27	-0.10	9.02e-03	-1.72e-03	-2.14e-03	0.25
		0.21	-2.14e-03	0.0	0.0	30.0	-0.27	-0.19	9.02e-03	-1.72e-03	5.64e-04	0.21
229	103	0.25	-9.69e-04	-1.53e-05	-0.09	0.0	-0.29	-0.10	0.02	8.79e-03	-6.33e-03	0.25
		0.21	-6.33e-03	0.0	0.0	30.0	-0.29	-0.19	0.02	8.79e-03	-9.69e-04	0.21
229	104	0.24	1.10e-03	-9.68e-06	-0.09	0.0	-0.21	-0.07	-1.01e-03	-6.72e-03	7.47e-04	0.24
		0.21	7.47e-04	0.0	0.0	30.0	-0.21	-0.17	-1.01e-03	-6.72e-03	1.10e-03	0.21
229	105	0.25	1.24e-03	-1.50e-05	-0.09	0.0	-0.25	-0.09	1.29e-03	-6.98e-03	2.12e-04	0.25
		0.21	2.12e-04	1.01e-06	0.0	30.0	-0.25	-0.19	1.29e-03	-6.98e-03	1.24e-03	0.21
229	106	0.25	4.02e-04	-9.79e-06	-0.09	0.0	-0.23	-0.08	6.40e-03	-1.45e-03	-1.53e-03	0.25
		0.21	-1.53e-03	0.0	0.0	30.0	-0.23	-0.17	6.40e-03	-1.45e-03	4.02e-04	0.21
229	107	0.25	5.42e-04	-1.52e-05	-0.09	0.0	-0.27	-0.09	8.69e-03	-1.71e-03	-2.07e-03	0.25
		0.21	-2.07e-03	0.0	0.0	30.0	-0.27	-0.19	8.69e-03	-1.71e-03	5.42e-04	0.21
229	108	0.63	2.01e-03	-8.34e-05	-0.09	0.0	-2.52	1.90	-1.37e-03	0.03	8.70e-04	0.63
		0.08	8.70e-04	1.38e-04	0.0	30.0	-2.52	1.80	-1.37e-03	0.03	2.01e-03	0.08
229	111	0.42	-9.21e-04	5.31e-05	-0.09	0.0	1.99	-2.08	0.02	-0.03	-5.00e-03	0.42
		-0.22	-5.00e-03	-1.37e-04	0.0	30.0	1.99	-2.18	0.02	-0.03	-9.21e-04	-0.22
229	113	0.64	2.43e-03	-8.07e-05	-0.09	0.0	-2.09	1.91	-8.85e-03	0.01	2.43e-03	0.64
		0.08	1.23e-03	1.37e-04	0.0	30.0	-2.09	1.82	-8.85e-03	0.01	1.23e-03	0.08
229	114	0.42	-1.43e-04	5.04e-05	-0.09	0.0	1.56	-2.10	0.03	-0.01	-6.56e-03	0.42
		-0.23	-6.56e-03	-1.35e-04	0.0	30.0	1.56	-2.19	0.03	-0.01	-1.43e-04	-0.23
229	137	0.49	2.58e-03	-5.66e-05	-0.09	0.0	-0.05	1.19	-0.01	-0.03	2.58e-03	0.49
		0.14	-6.43e-04	2.42e-05	0.0	30.0	-0.05	1.10	-0.01	-0.03	-6.43e-04	0.14
229	138	0.35	1.73e-03	2.62e-05	-0.09	0.0	-0.49	-1.38	0.03	0.03	-6.72e-03	0.35
		-0.08	-6.72e-03	-2.25e-05	0.0	30.0	-0.49	-1.47	0.03	0.03	1.73e-03	-0.08
229	140	0.68	2.19e-03	-9.21e-05	-0.09	0.0	-2.81	2.14	-2.62e-03	0.03	1.24e-03	0.68
		0.06	1.24e-03	1.56e-04	0.0	30.0	-2.81	2.05	-2.62e-03	0.03	2.19e-03	0.06
229	143	0.44	-1.11e-03	6.18e-05	-0.09	0.0	2.27	-2.33	0.02	-0.03	-5.37e-03	0.44

		-0.27	-5.37e-03	-1.54e-04	0.0	30.0	2.27	-2.43	0.02	-0.03	-1.11e-03	-0.27
229	145	0.69	2.99e-03	-8.91e-05	-0.09	0.0	-2.32	2.16	-0.01	0.01	2.99e-03	0.06
		0.06	1.31e-03	1.54e-04	0.0	30.0	-2.32	2.07	-0.01	0.01	1.31e-03	0.69
229	146	0.44	-2.30e-04	5.88e-05	-0.09	0.0	1.79	-2.35	0.03	-0.02	-7.12e-03	0.44
		-0.28	-7.12e-03	-1.52e-04	0.0	30.0	1.79	-2.44	0.03	-0.02	-2.30e-04	-0.28
229	169	0.52	3.16e-03	-6.18e-05	-0.09	0.0	-0.02	1.35	-0.01	-0.03	3.16e-03	0.13
		0.13	-7.92e-04	2.71e-05	0.0	30.0	-0.02	1.25	-0.01	-0.03	-7.92e-04	0.52
229	170	0.37	1.88e-03	3.15e-05	-0.09	0.0	-0.51	-1.54	0.03	0.03	-7.29e-03	0.37
		-0.11	-7.29e-03	-2.53e-05	0.0	30.0	-0.51	-1.63	0.03	0.03	1.88e-03	-0.11
229	172	0.66	2.18e-03	-9.48e-05	-0.09	0.0	-2.73	2.03	-1.85e-03	0.03	1.00e-03	0.06
		0.06	1.00e-03	1.53e-04	0.0	30.0	-2.73	1.94	-1.85e-03	0.03	2.18e-03	0.66
229	175	0.43	-1.10e-03	6.45e-05	-0.09	0.0	2.20	-2.22	0.02	-0.03	-5.13e-03	0.43
		-0.25	-5.13e-03	-1.51e-04	0.0	30.0	2.20	-2.31	0.02	-0.03	-1.10e-03	-0.25
229	177	0.67	2.68e-03	-9.15e-05	-0.09	0.0	-2.26	2.05	-0.01	0.01	2.68e-03	0.07
		0.07	1.32e-03	1.51e-04	0.0	30.0	-2.26	1.96	-0.01	0.01	1.32e-03	0.67
229	178	0.43	-2.36e-04	6.12e-05	-0.09	0.0	1.73	-2.24	0.03	-0.01	-6.82e-03	0.43
		-0.26	-6.82e-03	-1.49e-04	0.0	30.0	1.73	-2.34	0.03	-0.01	-2.36e-04	-0.26
229	201	0.51	3.02e-03	-6.26e-05	-0.09	0.0	-0.05	1.27	-0.01	-0.03	3.02e-03	0.14
		0.14	-7.74e-04	2.58e-05	0.0	30.0	-0.05	1.18	-0.01	-0.03	-7.74e-04	0.51
229	202	0.36	1.86e-03	3.23e-05	-0.09	0.0	-0.49	-1.46	0.03	0.03	-7.15e-03	0.36
		-0.10	-7.15e-03	-2.41e-05	0.0	30.0	-0.49	-1.55	0.03	0.03	1.86e-03	-0.10
229	204	0.73	2.47e-03	-1.10e-04	-0.09	0.0	-3.12	2.34	-3.25e-03	0.03	1.40e-03	0.04
		0.04	1.40e-03	1.78e-04	0.0	30.0	-3.12	2.25	-3.25e-03	0.03	2.47e-03	0.73
229	207	0.46	-1.38e-03	7.98e-05	-0.09	0.0	2.59	-2.53	0.02	-0.04	-5.53e-03	0.46
		-0.32	-5.53e-03	-1.77e-04	0.0	30.0	2.59	-2.62	0.02	-0.04	-1.38e-03	-0.32
229	209	0.74	3.34e-03	-1.06e-04	-0.09	0.0	-2.58	2.37	-0.01	0.01	3.34e-03	0.04
		0.04	1.46e-03	1.76e-04	0.0	30.0	-2.58	2.27	-0.01	0.01	1.46e-03	0.74
229	210	0.46	-3.78e-04	7.58e-05	-0.09	0.0	2.05	-2.55	0.03	-0.02	-7.47e-03	0.46
		-0.33	-7.47e-03	-1.74e-04	0.0	30.0	2.05	-2.65	0.03	-0.02	-3.78e-04	-0.33
229	233	0.55	3.85e-03	-7.10e-05	-0.09	0.0	-0.02	1.47	-0.02	-0.04	3.85e-03	0.12
		0.12	-9.87e-04	3.01e-05	0.0	30.0	-0.02	1.38	-0.02	-0.04	-9.87e-04	0.55
229	234	0.37	2.07e-03	4.07e-05	-0.09	0.0	-0.51	-1.66	0.04	0.03	-7.98e-03	0.37
		-0.14	-7.98e-03	-2.83e-05	0.0	30.0	-0.51	-1.76	0.04	0.03	2.07e-03	-0.14
230	18	0.53	5.66e-03	-9.33e-05	-0.98	0.0	-0.93	0.29	7.40e-03	0.25	-0.01	0.42
		-0.05	-0.01	1.97e-06	0.0	240.0	-0.93	-0.69	7.40e-03	0.25	5.66e-03	-0.05
230	19	0.57	5.14e-03	4.38e-05	-0.75	0.0	-0.75	4.96e-03	7.41e-03	0.25	-0.01	0.57
		-0.32	-0.01	-4.47e-06	0.0	240.0	-0.75	-0.75	7.41e-03	0.25	5.14e-03	-0.32
230	41	0.76	6.63e-03	5.65e-05	-0.98	0.0	-0.12	-0.07	-3.58e-03	-0.12	6.63e-03	0.76
		-0.58	-1.97e-03	1.58e-05	0.0	240.0	-0.12	-1.05	-3.58e-03	-0.12	-1.97e-03	-0.58
230	44	0.53	6.97e-03	-7.39e-05	-0.98	0.0	-0.19	0.18	-3.58e-03	-0.12	6.97e-03	0.49
		-0.25	-1.61e-03	1.93e-05	0.0	240.0	-0.19	-0.80	-3.58e-03	-0.12	-1.61e-03	-0.25
230	45	0.64	6.45e-03	6.34e-05	-0.75	0.0	-4.23e-03	-0.10	-3.57e-03	-0.13	6.45e-03	0.64
		-0.52	-2.13e-03	1.33e-05	0.0	240.0	-4.23e-03	-0.86	-3.57e-03	-0.13	-2.13e-03	-0.52
230	72	0.56	3.56e-03	3.69e-05	-0.75	0.0	-0.62	8.05e-03	4.93e-03	0.17	-8.26e-03	0.56
		-0.33	-8.26e-03	0.0	0.0	240.0	-0.62	-0.74	4.93e-03	0.17	3.56e-03	-0.33
230	75	0.42	3.80e-03	-5.39e-05	-0.75	0.0	-0.67	0.18	4.93e-03	0.17	-8.04e-03	0.37
		-0.11	-8.04e-03	1.73e-06	0.0	240.0	-0.67	-0.58	4.93e-03	0.17	3.80e-03	-0.11
230	85	0.60	4.46e-03	5.00e-05	-0.75	0.0	-0.13	-0.06	-2.39e-03	-0.08	4.46e-03	0.60
		-0.46	-1.28e-03	1.13e-05	0.0	240.0	-0.13	-0.82	-2.39e-03	-0.08	-1.28e-03	-0.46
230	88	0.43	4.69e-03	-4.25e-05	-0.75	0.0	-0.17	0.10	-2.39e-03	-0.08	4.69e-03	0.42
		-0.24	-1.05e-03	1.36e-05	0.0	240.0	-0.17	-0.65	-2.39e-03	-0.08	-1.05e-03	-0.24
230	102	0.57	9.89e-04	4.17e-05	-0.75	0.0	-0.41	-0.02	9.58e-04	0.03	-1.31e-03	0.57
		-0.38	-1.31e-03	5.28e-06	0.0	240.0	-0.41	-0.77	9.58e-04	0.03	9.89e-04	-0.38
230	103	0.45	1.16e-03	-3.46e-05	-0.75	0.0	-0.43	0.11	9.68e-04	0.03	-1.16e-03	0.43
		-0.22	-1.16e-03	6.87e-06	0.0	240.0	-0.43	-0.65	9.68e-04	0.03	1.16e-03	-0.22
230	104	0.58	1.23e-03	4.43e-05	-0.75	0.0	-0.31	-0.03	-5.06e-04	-0.02	1.23e-03	0.58
		-0.41	2.05e-05	7.65e-06	0.0	240.0	-0.31	-0.79	-5.06e-04	-0.02	2.05e-05	-0.41
230	105	0.45	1.38e-03	-3.26e-05	-0.75	0.0	-0.34	0.09	-4.96e-04	-0.02	1.38e-03	0.44
		-0.24	1.89e-04	9.24e-06	0.0	240.0	-0.34	-0.66	-4.96e-04	-0.02	1.89e-04	-0.24
230	106	0.57	4.28e-04	4.29e-05	-0.75	0.0	-0.36	-0.03	-3.38e-05	8.35e-04	4.28e-04	0.57
		-0.39	3.47e-04	6.74e-06	0.0	240.0	-0.36	-0.78	-3.38e-05	8.35e-04	3.47e-04	-0.39
230	107	0.45	5.73e-04	-3.36e-05	-0.75	0.0	-0.38	0.10	-2.43e-05	1.33e-03	5.73e-04	0.43
		-0.23	5.15e-04	8.33e-06	0.0	240.0	-0.38	-0.65	-2.43e-05	1.33e-03	5.15e-04	-0.23
230	113	10.61	1.99e-03	2.50e-04	-0.75	0.0	-1.47	-9.67	-1.17e-03	0.01	1.99e-03	10.61
		-13.52	-8.73e-04	1.10e-03	0.0	240.0	-1.47	-10.43	-1.17e-03	0.01	-8.73e-04	-13.52
230	114	13.05	1.90e-03	-3.09e-04	-0.75	0.0	0.71	9.87	1.12e-03	-9.75e-03	-8.43e-04	-9.74
		-9.74	-8.43e-04	-1.08e-03	0.0	240.0	0.71	9.12	1.12e-03	-9.75e-03	1.90e-03	13.05
230	124	7.57	1.35e-03	2.22e-04	-0.75	0.0	-2.61	-6.74	9.61e-05	0.04	1.35e-03	7.57
		-9.52	9.63e-04	2.13e-04	0.0	240.0	-2.61	-7.50	9.61e-05	0.04	9.63e-04	-9.52
230	127	9.05	6.72e-05	-2.77e-04	-0.75	0.0	1.84	6.94	-1.45e-04	-0.03	-2.08e-04	-6.71
		-6.71	-2.08e-04	-1.97e-04	0.0	240.0	1.84	6.19	-1.45e-04	-0.03	6.72e-05	9.05
230	137	6.96	1.81e-03	2.34e-04	-0.75	0.0	0.67	-6.18	-1.27e-03	-0.03	1.81e-03	6.96
		-8.78	-1.28e-03	2.07e-04	0.0	240.0	0.67	-6.93	-1.27e-03	-0.03	-1.28e-03	-8.78
230	138	8.31	2.31e-03	-2.89e-04	-0.75	0.0	-1.43	6.38	1.23e-03	0.04	-6.63e-04	-6.10
		-6.10	-6.63e-04	-1.90e-04	0.0	240.0	-1.43	5.63	1.23e-03	0.04	2.31e-03	8.31

230	145	11.88	2.17e-03	2.85e-04	-0.75	0.0	-1.61	-10.89	-1.32e-03	0.01	2.17e-03	11.88
		-15.17	-1.05e-03	1.24e-03	0.0	240.0	-1.61	-11.65	-1.32e-03	0.01	-1.05e-03	-15.17
230	146	14.71	2.08e-03	-3.44e-04	-0.75	0.0	0.85	11.09	1.27e-03	-0.01	-1.02e-03	-11.01
		-11.01	-1.02e-03	-1.22e-03	0.0	240.0	0.85	10.34	1.27e-03	-0.01	2.08e-03	14.71
230	156	8.46	1.45e-03	2.54e-04	-0.75	0.0	-2.89	-7.59	1.09e-04	0.04	1.45e-03	8.46
		-10.66	1.02e-03	2.38e-04	0.0	240.0	-2.89	-8.34	1.09e-04	0.04	1.02e-03	-10.66
230	159	10.20	1.34e-05	-3.09e-04	-0.75	0.0	2.12	7.79	-1.58e-04	-0.04	-3.03e-04	-7.59
		-7.59	-3.03e-04	-2.21e-04	0.0	240.0	2.12	7.04	-1.58e-04	-0.04	1.34e-05	10.20
230	169	7.75	1.96e-03	2.66e-04	-0.75	0.0	0.80	-6.94	-1.43e-03	-0.04	1.96e-03	7.75
		-9.81	-1.51e-03	2.31e-04	0.0	240.0	0.80	-7.69	-1.43e-03	-0.04	-1.51e-03	-9.81
230	170	9.34	2.54e-03	-3.22e-04	-0.75	0.0	-1.56	7.14	1.38e-03	0.04	-8.14e-04	-6.89
		-6.89	-8.14e-04	-2.14e-04	0.0	240.0	-1.56	6.39	1.38e-03	0.04	2.54e-03	9.34
230	177	11.28	2.06e-03	2.72e-04	-0.75	0.0	-1.60	-10.32	-1.24e-03	0.01	2.06e-03	11.28
		-14.40	-9.72e-04	1.21e-03	0.0	240.0	-1.60	-11.08	-1.24e-03	0.01	-9.72e-04	-14.40
230	178	13.93	2.00e-03	-3.31e-04	-0.75	0.0	0.84	10.52	1.19e-03	-0.01	-9.12e-04	-10.42
		-10.42	-9.12e-04	-1.20e-03	0.0	240.0	0.84	9.77	1.19e-03	-0.01	2.00e-03	13.93
230	188	8.10	1.38e-03	2.49e-04	-0.75	0.0	-2.85	-7.24	8.60e-05	0.04	1.38e-03	8.10
		-10.19	9.90e-04	2.17e-04	0.0	240.0	-2.85	-8.00	8.60e-05	0.04	9.90e-04	-10.19
230	191	9.73	3.95e-05	-3.05e-04	-0.75	0.0	2.08	7.44	-1.35e-04	-0.04	-2.31e-04	-7.23
		-7.23	-2.31e-04	-2.00e-04	0.0	240.0	2.08	6.69	-1.35e-04	-0.04	3.95e-05	9.73
230	201	7.33	1.90e-03	2.59e-04	-0.75	0.0	0.76	-6.54	-1.39e-03	-0.04	1.90e-03	7.33
		-9.26	-1.46e-03	2.20e-04	0.0	240.0	0.76	-7.29	-1.39e-03	-0.04	-1.46e-03	-9.26
230	202	8.80	2.49e-03	-3.15e-04	-0.75	0.0	-1.53	6.74	1.34e-03	0.04	-7.50e-04	-6.47
		-6.47	-7.50e-04	-2.04e-04	0.0	240.0	-1.53	5.98	1.34e-03	0.04	2.49e-03	8.80
230	209	12.85	2.26e-03	3.16e-04	-0.75	0.0	-1.81	-11.83	-1.41e-03	0.01	2.26e-03	12.85
		-16.44	-1.19e-03	1.41e-03	0.0	240.0	-1.81	-12.58	-1.41e-03	0.01	-1.19e-03	-16.44
230	210	15.97	2.22e-03	-3.75e-04	-0.75	0.0	1.04	12.02	1.36e-03	-0.01	-1.11e-03	-11.98
		-11.98	-1.11e-03	-1.40e-03	0.0	240.0	1.04	11.27	1.36e-03	-0.01	2.22e-03	15.97
230	220	9.23	1.48e-03	2.94e-04	-0.75	0.0	-3.24	-8.33	9.71e-05	0.04	1.48e-03	9.23
		-11.67	1.06e-03	2.43e-04	0.0	240.0	-3.24	-9.08	9.71e-05	0.04	1.06e-03	-11.67
230	223	11.20	-3.09e-05	-3.49e-04	-0.75	0.0	2.48	8.53	-1.46e-04	-0.04	-3.36e-04	-8.37
		-8.37	-3.36e-04	-2.27e-04	0.0	240.0	2.48	7.78	-1.46e-04	-0.04	-3.09e-05	11.20
230	233	8.34	2.10e-03	3.05e-04	-0.75	0.0	0.94	-7.51	-1.61e-03	-0.04	2.10e-03	8.34
		-10.59	-1.79e-03	2.57e-04	0.0	240.0	0.94	-8.27	-1.61e-03	-0.04	-1.79e-03	-10.59
230	234	10.13	2.82e-03	-3.60e-04	-0.75	0.0	-1.70	7.71	1.56e-03	0.05	-9.56e-04	-7.48
		-7.48	-9.56e-04	-2.40e-04	0.0	240.0	-1.70	6.96	1.56e-03	0.05	2.82e-03	10.13
231	4	0.41	5.32e-03	-1.26e-05	-0.16	0.0	-0.18	0.40	0.04	0.13	2.80e-04	0.28
		0.28	2.80e-04	1.16e-06	0.0	40.0	-0.18	0.23	0.04	0.13	5.32e-03	0.41
231	19	0.35	2.16e-03	6.09e-06	-0.13	0.0	-0.25	0.39	0.05	0.20	-5.57e-04	0.22
		0.22	-5.57e-04	0.0	0.0	40.0	-0.25	0.27	0.05	0.20	2.16e-03	0.35
231	21	0.30	3.67e-03	-5.01e-06	-0.13	0.0	-0.30	0.33	0.06	0.21	-3.06e-04	0.19
		0.19	-3.06e-04	0.0	0.0	40.0	-0.30	0.21	0.06	0.21	3.67e-03	0.30
231	22	0.30	4.14e-03	-6.86e-06	-0.13	0.0	-0.35	0.33	0.06	0.21	-2.57e-04	0.20
		0.20	-2.57e-04	0.0	0.0	40.0	-0.35	0.20	0.06	0.21	4.14e-03	0.30
231	41	0.54	7.38e-04	3.90e-06	-0.16	0.0	0.60	0.48	-0.02	-0.10	7.19e-04	0.38
		0.38	7.19e-04	2.80e-06	0.0	40.0	0.60	0.32	-0.02	-0.10	7.38e-04	0.54
231	42	0.54	1.21e-03	2.05e-06	-0.16	0.0	0.55	0.48	-0.02	-0.10	7.68e-04	0.38
		0.38	7.68e-04	2.92e-06	0.0	40.0	0.55	0.32	-0.02	-0.10	1.21e-03	0.54
231	68	0.33	3.67e-03	-7.23e-06	-0.13	0.0	-0.09	0.32	0.03	0.08	2.05e-04	0.22
		0.22	2.05e-04	0.0	0.0	40.0	-0.09	0.19	0.03	0.08	3.67e-03	0.33
231	72	0.37	2.09e-03	4.84e-06	-0.13	0.0	-0.12	0.39	0.04	0.14	-2.75e-04	0.24
		0.24	-2.75e-04	0.0	0.0	40.0	-0.12	0.26	0.04	0.14	2.09e-03	0.37
231	74	0.33	3.09e-03	-2.57e-06	-0.13	0.0	-0.15	0.34	0.04	0.14	-1.07e-04	0.22
		0.22	-1.07e-04	0.0	0.0	40.0	-0.15	0.22	0.04	0.14	3.09e-03	0.33
231	75	0.33	3.41e-03	-3.80e-06	-0.13	0.0	-0.19	0.34	0.04	0.14	-7.49e-05	0.22
		0.22	-7.49e-05	0.0	0.0	40.0	-0.19	0.22	0.04	0.14	3.41e-03	0.33
231	85	0.41	6.16e-04	3.78e-06	-0.13	0.0	0.42	0.38	-0.01	-0.07	4.97e-04	0.29
		0.29	4.97e-04	1.99e-06	0.0	40.0	0.42	0.25	-0.01	-0.07	6.16e-04	0.41
231	86	0.41	9.31e-04	2.55e-06	-0.13	0.0	0.39	0.37	-0.01	-0.07	5.30e-04	0.29
		0.29	5.30e-04	2.08e-06	0.0	40.0	0.39	0.25	-0.01	-0.07	9.31e-04	0.41
231	98	0.36	2.67e-03	-3.20e-06	-0.13	0.0	0.11	0.33	7.32e-03	2.30e-03	4.12e-04	0.25
		0.25	4.12e-04	1.50e-06	0.0	40.0	0.11	0.21	7.32e-03	2.30e-03	2.67e-03	0.36
231	102	0.39	1.75e-03	4.33e-06	-0.13	0.0	0.09	0.38	0.01	0.03	1.41e-04	0.26
		0.26	1.41e-04	0.0	0.0	40.0	0.09	0.25	0.01	0.03	1.75e-03	0.39
231	103	0.36	2.61e-03	-2.08e-06	-0.13	0.0	0.07	0.34	0.01	0.03	2.84e-04	0.25
		0.25	2.84e-04	1.18e-06	0.0	40.0	0.07	0.22	0.01	0.03	2.61e-03	0.36
231	104	0.40	1.45e-03	4.12e-06	-0.13	0.0	0.20	0.38	1.23e-03	-0.01	2.95e-04	0.27
		0.27	2.95e-04	1.34e-06	0.0	40.0	0.20	0.25	1.23e-03	-0.01	1.45e-03	0.40
231	106	0.39	1.66e-03	4.20e-06	-0.13	0.0	0.15	0.38	4.89e-03	1.72e-03	2.45e-04	0.27
		0.27	2.45e-04	1.17e-06	0.0	40.0	0.15	0.25	4.89e-03	1.72e-03	1.66e-03	0.39
231	107	0.36	2.52e-03	-2.19e-06	-0.13	0.0	0.12	0.34	6.97e-03	2.22e-03	3.88e-04	0.25
		0.25	3.88e-04	1.46e-06	0.0	40.0	0.12	0.21	6.97e-03	2.22e-03	2.52e-03	0.36
231	113	1.15	3.51e-03	-2.28e-04	-0.13	0.0	2.23	2.56	9.92e-03	-0.03	1.40e-04	0.09
		0.09	1.40e-04	1.84e-04	0.0	40.0	2.23	2.44	9.92e-03	-0.03	3.51e-03	1.15
231	114	0.42	1.54e-03	2.24e-04	-0.13	0.0	-1.99	-1.89	4.02e-03	0.04	6.36e-04	0.42

		-0.42	6.36e-04	-1.81e-04	0.0	40.0	-1.99	-2.01	4.02e-03	0.04	1.54e-03	-0.42
231	132	0.19	0.01	1.59e-05	-0.13	0.0	-1.98	-8.24e-03	0.03	0.04	-2.12e-03	0.12
		0.12	-2.12e-03	8.24e-05	0.0	40.0	-1.98	-0.13	0.03	0.04	0.01	0.19
231	133	0.94	2.35e-03	-1.42e-04	-0.13	0.0	3.03	1.85	-0.01	-0.05	2.35e-03	0.27
		0.27	-4.19e-03	3.42e-05	0.0	40.0	3.03	1.73	-0.01	-0.05	-4.19e-03	0.94
231	134	0.23	9.24e-03	1.37e-04	-0.13	0.0	-2.80	-1.18	0.03	0.05	-1.57e-03	0.23
		-0.21	-1.57e-03	-3.13e-05	0.0	40.0	-2.80	-1.30	0.03	0.05	9.24e-03	-0.21
231	135	0.54	2.90e-03	-2.02e-05	-0.13	0.0	2.22	0.69	-0.02	-0.03	2.90e-03	0.38
		0.38	-6.17e-03	-7.95e-05	0.0	40.0	2.22	0.56	-0.02	-0.03	-6.17e-03	0.54
231	145	1.24	3.64e-03	-2.56e-04	-0.13	0.0	2.50	2.84	0.01	-0.04	1.08e-04	0.06
		0.06	1.08e-04	2.07e-04	0.0	40.0	2.50	2.72	0.01	-0.04	3.64e-03	1.24
231	146	0.44	1.41e-03	2.52e-04	-0.13	0.0	-2.26	-2.16	3.64e-03	0.04	6.68e-04	0.44
		-0.52	6.68e-04	-2.04e-04	0.0	40.0	-2.26	-2.29	3.64e-03	0.04	1.41e-03	-0.52
231	164	0.17	0.01	1.80e-05	-0.13	0.0	-2.24	-0.05	0.04	0.04	-2.44e-03	0.10
		0.10	-2.44e-03	9.30e-05	0.0	40.0	-2.24	-0.18	0.04	0.04	0.01	0.17
231	165	1.01	2.59e-03	-1.59e-04	-0.13	0.0	3.40	2.04	-0.02	-0.05	2.59e-03	0.27
		0.27	-5.03e-03	3.80e-05	0.0	40.0	3.40	1.92	-0.02	-0.05	-5.03e-03	1.01
231	166	0.23	0.01	1.55e-04	-0.13	0.0	-3.16	-1.36	0.03	0.06	-1.82e-03	0.23
		-0.29	-1.82e-03	-3.51e-05	0.0	40.0	-3.16	-1.49	0.03	0.06	0.01	-0.29
231	167	0.56	3.22e-03	-2.23e-05	-0.13	0.0	2.48	0.73	-0.02	-0.04	3.22e-03	0.40
		0.40	-7.26e-03	-9.01e-05	0.0	40.0	2.48	0.60	-0.02	-0.04	-7.26e-03	0.56
231	177	1.19	3.68e-03	-2.49e-04	-0.13	0.0	2.43	2.74	0.01	-0.03	1.18e-04	0.06
		0.06	1.18e-04	2.03e-04	0.0	40.0	2.43	2.61	0.01	-0.03	3.68e-03	1.19
231	178	0.44	1.36e-03	2.45e-04	-0.13	0.0	-2.19	-2.06	3.53e-03	0.04	6.59e-04	0.44
		-0.47	6.59e-04	-2.00e-04	0.0	40.0	-2.19	-2.18	3.53e-03	0.04	1.36e-03	-0.47
231	196	0.17	0.01	2.06e-05	-0.13	0.0	-2.21	-0.04	0.04	0.04	-2.41e-03	0.10
		0.10	-2.41e-03	9.51e-05	0.0	40.0	-2.21	-0.17	0.04	0.04	0.01	0.17
231	197	0.98	2.57e-03	-1.57e-04	-0.13	0.0	3.34	1.98	-0.02	-0.05	2.57e-03	0.27
		0.27	-4.92e-03	3.42e-05	0.0	40.0	3.34	1.85	-0.02	-0.05	-4.92e-03	0.98
231	198	0.23	9.97e-03	1.53e-04	-0.13	0.0	-3.10	-1.30	0.03	0.05	-1.80e-03	0.23
		-0.26	-1.80e-03	-3.13e-05	0.0	40.0	-3.10	-1.42	0.03	0.05	9.97e-03	-0.26
231	199	0.56	3.18e-03	-2.49e-05	-0.13	0.0	2.45	0.72	-0.02	-0.04	3.18e-03	0.40
		0.40	-7.16e-03	-9.22e-05	0.0	40.0	2.45	0.59	-0.02	-0.04	-7.16e-03	0.56
231	209	1.31	3.93e-03	-2.87e-04	-0.13	0.0	2.79	3.10	0.01	-0.04	7.17e-05	0.03
		0.03	7.17e-05	2.36e-04	0.0	40.0	2.79	2.97	0.01	-0.04	3.93e-03	1.31
231	210	0.47	1.12e-03	2.83e-04	-0.13	0.0	-2.55	-2.42	2.82e-03	0.04	7.05e-04	0.47
		-0.58	7.05e-04	-2.33e-04	0.0	40.0	-2.55	-2.54	2.82e-03	0.04	1.12e-03	-0.58
231	228	0.13	0.01	2.47e-05	-0.13	0.0	-2.59	-0.10	0.04	0.05	-2.87e-03	0.08
		0.08	-2.87e-03	1.13e-04	0.0	40.0	-2.59	-0.23	0.04	0.05	0.01	0.13
231	229	1.08	2.93e-03	-1.82e-04	-0.13	0.0	3.85	2.23	-0.02	-0.06	2.93e-03	0.28
		0.28	-6.14e-03	3.76e-05	0.0	40.0	3.85	2.10	-0.02	-0.06	-6.14e-03	1.08
231	230	0.23	0.01	1.77e-04	-0.13	0.0	-3.61	-1.55	0.04	0.06	-2.16e-03	0.23
		-0.35	-2.16e-03	-3.47e-05	0.0	40.0	-3.61	-1.67	0.04	0.06	0.01	-0.35
231	231	0.59	3.65e-03	-2.90e-05	-0.13	0.0	2.83	0.78	-0.03	-0.04	3.65e-03	0.43
		0.43	-8.77e-03	-1.10e-04	0.0	40.0	2.83	0.66	-0.03	-0.04	-8.77e-03	0.59
232	7	0.29	-1.38e-03	2.84e-06	-0.13	0.0	2.47e-03	-0.56	0.02	0.10	-1.38e-03	0.29
		0.04	-3.70e-03	1.19e-06	0.0	40.0	2.47e-03	-0.68	0.02	0.10	-3.70e-03	0.04
232	22	0.30	-1.47e-03	5.45e-06	-0.13	0.0	-0.17	-0.44	0.05	0.16	-4.64e-03	0.30
		0.10	-4.64e-03	0.0	0.0	40.0	-0.17	-0.56	0.05	0.16	-1.47e-03	0.10
232	41	0.54	4.60e-03	2.29e-05	-0.16	0.0	0.95	-0.62	-0.05	-0.07	4.60e-03	0.54
		0.26	-9.83e-03	2.81e-06	0.0	40.0	0.95	-0.78	-0.05	-0.07	-9.83e-03	0.26
232	42	0.54	5.05e-03	2.08e-05	-0.16	0.0	0.91	-0.59	-0.05	-0.06	5.05e-03	0.54
		0.27	-9.68e-03	2.98e-06	0.0	40.0	0.91	-0.75	-0.05	-0.06	-9.68e-03	0.27
232	43	0.48	6.03e-03	1.16e-05	-0.16	0.0	0.85	-0.75	-0.06	-0.06	6.03e-03	0.48
		0.15	-0.01	3.46e-06	0.0	40.0	0.85	-0.91	-0.06	-0.06	-0.01	0.15
232	44	0.48	6.48e-03	9.48e-06	-0.16	0.0	0.81	-0.72	-0.06	-0.06	6.48e-03	0.48
		0.17	-0.01	3.62e-06	0.0	40.0	0.81	-0.88	-0.06	-0.06	-0.01	0.17
232	67	0.32	-3.68e-04	7.31e-06	-0.13	0.0	0.13	-0.52	0.01	0.07	-3.68e-04	0.32
		0.09	-4.00e-03	1.29e-06	0.0	40.0	0.13	-0.64	0.01	0.07	-4.00e-03	0.09
232	75	0.33	-2.51e-03	9.05e-06	-0.13	0.0	9.00e-03	-0.44	0.03	0.11	-2.54e-03	0.33
		0.13	-2.54e-03	0.0	0.0	40.0	9.00e-03	-0.56	0.03	0.11	-2.51e-03	0.13
232	85	0.41	3.16e-03	1.83e-05	-0.13	0.0	0.69	-0.47	-0.04	-0.04	3.16e-03	0.41
		0.20	-7.07e-03	2.02e-06	0.0	40.0	0.69	-0.59	-0.04	-0.04	-7.07e-03	0.20
232	86	0.41	3.46e-03	1.69e-05	-0.13	0.0	0.66	-0.45	-0.04	-0.04	3.46e-03	0.41
		0.21	-6.97e-03	2.13e-06	0.0	40.0	0.66	-0.57	-0.04	-0.04	-6.97e-03	0.21
232	87	0.38	4.11e-03	1.08e-05	-0.13	0.0	0.63	-0.55	-0.04	-0.04	4.11e-03	0.38
		0.13	-7.89e-03	2.45e-06	0.0	40.0	0.63	-0.68	-0.04	-0.04	-7.89e-03	0.13
232	88	0.38	4.41e-03	9.38e-06	-0.13	0.0	0.60	-0.53	-0.04	-0.04	4.41e-03	0.38
		0.14	-7.79e-03	2.56e-06	0.0	40.0	0.60	-0.66	-0.04	-0.04	-7.79e-03	0.14
232	98	0.36	2.33e-03	1.06e-05	-0.13	0.0	0.33	-0.52	-0.02	0.01	2.33e-03	0.36
		0.13	-5.20e-03	1.81e-06	0.0	40.0	0.33	-0.64	-0.02	0.01	-5.20e-03	0.13
232	103	0.36	1.16e-03	1.17e-05	-0.13	0.0	0.28	-0.49	-6.00e-03	0.03	1.16e-03	0.36
		0.14	-4.57e-03	1.51e-06	0.0	40.0	0.28	-0.62	-6.00e-03	0.03	-4.57e-03	0.14
232	104	0.40	1.73e-03	1.82e-05	-0.13	0.0	0.45	-0.44	-0.02	-1.87e-03	1.73e-03	0.40
		0.20	-4.92e-03	1.50e-06	0.0	40.0	0.45	-0.56	-0.02	-1.87e-03	-4.92e-03	0.20

232	105	0.37	2.55e-03	1.17e-05	-0.13	0.0	0.40	-0.51	-0.02	-3.10e-04	2.55e-03	0.37
		0.14	-5.62e-03	1.87e-06	0.0	40.0	0.40	-0.64	-0.02	-3.10e-04	-5.62e-03	0.14
232	106	0.39	1.38e-03	1.82e-05	-0.13	0.0	0.39	-0.43	-0.01	8.28e-03	1.38e-03	0.39
		0.20	-4.38e-03	1.37e-06	0.0	40.0	0.39	-0.56	-0.01	8.28e-03	-4.38e-03	0.20
232	107	0.36	2.20e-03	1.17e-05	-0.13	0.0	0.34	-0.50	-0.02	9.84e-03	2.20e-03	0.36
		0.14	-5.08e-03	1.74e-06	0.0	40.0	0.34	-0.63	-0.02	9.84e-03	-5.08e-03	0.14
232	113	1.15	3.72e-03	-1.44e-04	-0.13	0.0	2.19	-2.24	-2.31e-03	-0.02	3.72e-03	1.15
		0.21	1.17e-03	1.84e-04	0.0	40.0	2.19	-2.37	-2.31e-03	-0.02	1.17e-03	0.21
232	114	0.07	6.70e-04	1.67e-04	-0.13	0.0	-1.51	1.24	-0.03	0.04	6.70e-04	-0.42
		-0.42	-0.01	-1.81e-04	0.0	40.0	-1.51	1.11	-0.03	0.04	-0.01	0.07
232	124	0.90	0.02	-1.08e-04	-0.13	0.0	-1.12	-1.62	0.04	0.03	5.03e-03	0.90
		0.23	5.03e-03	3.26e-05	0.0	40.0	-1.12	-1.75	0.04	0.03	0.02	0.23
232	127	0.05	-6.42e-04	1.31e-04	-0.13	0.0	1.79	0.62	-0.07	-6.38e-03	-6.42e-04	-0.17
		-0.17	-0.03	-2.91e-05	0.0	40.0	1.79	0.49	-0.07	-6.38e-03	-0.03	0.05
232	133	0.94	1.67e-03	-9.34e-05	-0.13	0.0	3.31	-1.82	-0.05	-0.04	1.67e-03	0.94
		0.13	-0.02	3.49e-05	0.0	40.0	3.31	-1.94	-0.05	-0.04	-0.02	0.13
232	134	0.15	9.71e-03	1.17e-04	-0.13	0.0	-2.64	0.81	0.02	0.06	2.72e-03	-0.21
		-0.21	2.72e-03	-3.14e-05	0.0	40.0	-2.64	0.69	0.02	0.06	9.71e-03	0.15
232	145	1.24	3.91e-03	-1.63e-04	-0.13	0.0	2.42	-2.46	-6.24e-04	-0.03	3.91e-03	1.24
		0.22	1.98e-03	2.07e-04	0.0	40.0	2.42	-2.58	-6.24e-04	-0.03	1.98e-03	0.22
232	146	0.06	4.77e-04	1.87e-04	-0.13	0.0	-1.75	1.45	-0.03	0.05	4.77e-04	-0.52
		-0.52	-0.01	-2.04e-04	0.0	40.0	-1.75	1.33	-0.03	0.05	-0.01	0.06
232	156	0.96	0.02	-1.23e-04	-0.13	0.0	-1.30	-1.76	0.05	0.03	5.39e-03	0.96
		0.24	5.39e-03	3.62e-05	0.0	40.0	-1.30	-1.89	0.05	0.03	0.02	0.24
232	159	0.04	-9.95e-04	1.46e-04	-0.13	0.0	1.97	0.75	-0.08	-8.36e-03	-9.95e-04	-0.24
		-0.24	-0.03	-3.27e-05	0.0	40.0	1.97	0.63	-0.08	-8.36e-03	-0.03	0.04
232	165	1.01	1.61e-03	-1.07e-04	-0.13	0.0	3.68	-1.98	-0.06	-0.04	1.61e-03	1.01
		0.12	-0.02	3.87e-05	0.0	40.0	3.68	-2.11	-0.06	-0.04	-0.02	0.12
232	166	0.15	0.01	1.30e-04	-0.13	0.0	-3.01	0.97	0.03	0.06	2.78e-03	-0.29
		-0.29	2.78e-03	-3.53e-05	0.0	40.0	-3.01	0.85	0.03	0.06	0.01	0.15
232	177	1.19	3.83e-03	-1.62e-04	-0.13	0.0	2.37	-2.35	-2.86e-04	-0.02	3.83e-03	1.19
		0.21	2.08e-03	2.03e-04	0.0	40.0	2.37	-2.48	-2.86e-04	-0.02	2.08e-03	0.21
232	178	0.06	5.59e-04	1.85e-04	-0.13	0.0	-1.69	1.35	-0.03	0.04	5.59e-04	-0.47
		-0.47	-0.01	-2.00e-04	0.0	40.0	-1.69	1.22	-0.03	0.04	-0.01	0.06
232	188	0.93	0.02	-1.22e-04	-0.13	0.0	-1.26	-1.69	0.05	0.03	5.31e-03	0.93
		0.23	5.31e-03	3.26e-05	0.0	40.0	-1.26	-1.82	0.05	0.03	0.02	0.23
232	191	0.04	-9.20e-04	1.46e-04	-0.13	0.0	1.94	0.69	-0.08	-7.68e-03	-9.20e-04	-0.20
		-0.20	-0.03	-2.92e-05	0.0	40.0	1.94	0.56	-0.08	-7.68e-03	-0.03	0.04
232	197	0.98	1.69e-03	-1.06e-04	-0.13	0.0	3.62	-1.92	-0.06	-0.04	1.69e-03	0.98
		0.13	-0.02	3.49e-05	0.0	40.0	3.62	-2.05	-0.06	-0.04	-0.02	0.13
232	198	0.15	0.01	1.29e-04	-0.13	0.0	-2.95	0.92	0.02	0.06	2.70e-03	-0.26
		-0.26	2.70e-03	-3.15e-05	0.0	40.0	-2.95	0.79	0.02	0.06	0.01	0.15
232	209	1.31	4.07e-03	-1.91e-04	-0.13	0.0	2.69	-2.62	2.62e-03	-0.03	4.07e-03	1.31
		0.22	3.42e-03	2.37e-04	0.0	40.0	2.69	-2.74	2.62e-03	-0.03	3.42e-03	0.22
232	210	0.05	3.25e-04	2.15e-04	-0.13	0.0	-2.01	1.61	-0.03	0.05	3.25e-04	-0.58
		-0.58	-0.01	-2.33e-04	0.0	40.0	-2.01	1.49	-0.03	0.05	-0.01	0.05
232	220	1.01	0.03	-1.45e-04	-0.13	0.0	-1.52	-1.87	0.06	0.03	5.80e-03	1.01
		0.25	5.80e-03	3.63e-05	0.0	40.0	-1.52	-1.99	0.06	0.03	0.03	0.25
232	223	0.03	-1.41e-03	1.68e-04	-0.13	0.0	2.19	0.86	-0.09	-0.01	-1.41e-03	-0.29
		-0.29	-0.04	-3.28e-05	0.0	40.0	2.19	0.73	-0.09	-0.01	-0.04	0.03
232	229	1.08	1.63e-03	-1.25e-04	-0.13	0.0	4.15	-2.14	-0.06	-0.05	1.63e-03	1.08
		0.12	-0.02	3.84e-05	0.0	40.0	4.15	-2.26	-0.06	-0.05	-0.02	0.12
232	230	0.15	0.01	1.49e-04	-0.13	0.0	-3.47	1.13	0.03	0.07	2.76e-03	-0.35
		-0.35	2.76e-03	-3.49e-05	0.0	40.0	-3.47	1.00	0.03	0.07	0.01	0.15
233	15	0.24	-0.01	2.59e-05	-0.16	0.0	0.37	-0.52	0.02	0.19	-0.01	0.24
		0.0	-0.03	0.0	0.0	40.0	0.37	-0.69	0.02	0.19	-0.03	0.0
233	22	0.10	-0.01	3.72e-06	-0.13	0.0	0.02	-0.19	7.97e-03	0.20	-0.01	0.10
		0.0	-0.03	1.22e-06	0.0	40.0	0.02	-0.31	7.97e-03	0.20	-0.03	0.0
233	28	0.12	-9.49e-03	0.0	-0.16	0.0	0.82	-0.21	-0.08	0.04	-9.49e-03	0.12
		0.0	-0.05	3.83e-06	0.0	40.0	0.82	-0.38	-0.08	0.04	-0.05	0.0
233	33	0.28	-7.11e-03	2.33e-05	-0.16	0.0	1.04	-0.63	-0.07	0.02	-7.11e-03	0.28
		0.0	-0.04	3.00e-06	0.0	40.0	1.04	-0.79	-0.07	0.02	-0.04	0.0
233	41	0.26	-7.41e-03	2.52e-05	-0.16	0.0	1.27	-0.56	-0.07	-0.01	-7.41e-03	0.26
		0.0	-0.03	2.76e-06	0.0	40.0	1.27	-0.72	-0.07	-0.01	-0.03	0.0
233	60	0.23	-5.09e-03	1.98e-05	-0.13	0.0	0.60	-0.51	-0.04	0.04	-5.09e-03	0.23
		0.0	-0.03	2.02e-06	0.0	40.0	0.60	-0.64	-0.04	0.04	-0.03	0.0
233	72	0.19	-7.99e-03	2.08e-05	-0.13	0.0	0.33	-0.41	7.59e-03	0.13	-7.99e-03	0.19
		0.0	-0.02	0.0	0.0	40.0	0.33	-0.54	7.59e-03	0.13	-0.02	0.0
233	75	0.13	-8.97e-03	8.52e-06	-0.13	0.0	0.21	-0.26	-4.87e-03	0.15	-8.97e-03	0.13
		0.0	-0.03	1.40e-06	0.0	40.0	0.21	-0.39	-4.87e-03	0.15	-0.03	0.0
233	80	0.11	-6.96e-03	3.14e-06	-0.13	0.0	0.64	-0.21	-0.06	0.03	-6.96e-03	0.11
		0.0	-0.03	2.72e-06	0.0	40.0	0.64	-0.33	-0.06	0.03	-0.03	0.0
233	81	0.22	-5.38e-03	1.91e-05	-0.13	0.0	0.79	-0.48	-0.05	0.02	-5.38e-03	0.22
		0.0	-0.03	2.17e-06	0.0	40.0	0.79	-0.61	-0.05	0.02	-0.03	0.0
233	85	0.20	-5.58e-03	2.03e-05	-0.13	0.0	0.94	-0.44	-0.05	-3.14e-03	-5.58e-03	0.20

		0.0	-0.03	2.01e-06	0.0	40.0	0.94	-0.56	-0.05	-3.14e-03	-0.03	0.0
233	93	0.22	-5.31e-03	1.92e-05	-0.13	0.0	0.60	-0.48	-0.04	0.04	-5.31e-03	0.22
		0.0	-0.03	1.93e-06	0.0	40.0	0.60	-0.60	-0.04	0.04	-0.03	0.0
233	98	0.13	-6.51e-03	8.94e-06	-0.13	0.0	0.51	-0.25	-0.04	0.05	-6.51e-03	0.13
		0.0	-0.03	2.12e-06	0.0	40.0	0.51	-0.38	-0.04	0.05	-0.03	0.0
233	99	0.20	-5.43e-03	2.03e-05	-0.13	0.0	0.62	-0.44	-0.03	0.04	-5.43e-03	0.20
		0.0	-0.02	1.68e-06	0.0	40.0	0.62	-0.56	-0.03	0.04	-0.02	0.0
233	102	0.20	-5.96e-03	2.06e-05	-0.13	0.0	0.57	-0.43	-0.02	0.06	-5.96e-03	0.20
		0.0	-0.02	1.44e-06	0.0	40.0	0.57	-0.55	-0.02	0.06	-0.02	0.0
233	103	0.14	-6.87e-03	1.07e-05	-0.13	0.0	0.47	-0.28	-0.03	0.07	-6.87e-03	0.14
		0.0	-0.03	1.87e-06	0.0	40.0	0.47	-0.40	-0.03	0.07	-0.03	0.0
233	104	0.20	-5.48e-03	2.05e-05	-0.13	0.0	0.69	-0.43	-0.03	0.03	-5.48e-03	0.20
		0.0	-0.02	1.70e-06	0.0	40.0	0.69	-0.56	-0.03	0.03	-0.02	0.0
233	106	0.20	-5.46e-03	2.06e-05	-0.13	0.0	0.62	-0.43	-0.03	0.04	-5.46e-03	0.20
		0.0	-0.02	1.62e-06	0.0	40.0	0.62	-0.55	-0.03	0.04	-0.02	0.0
233	107	0.14	-6.36e-03	1.06e-05	-0.13	0.0	0.53	-0.28	-0.03	0.05	-6.36e-03	0.14
		0.0	-0.03	2.05e-06	0.0	40.0	0.53	-0.40	-0.03	0.05	-0.03	0.0
233	108	0.24	0.06	-7.92e-05	-0.13	0.0	1.28	-0.53	0.15	0.03	6.53e-03	0.24
		0.0	6.53e-03	1.84e-04	0.0	40.0	1.28	-0.65	0.15	0.03	0.06	0.0
233	112	0.23	0.05	-3.33e-05	-0.13	0.0	0.95	-0.51	0.14	0.03	5.43e-03	0.23
		0.0	5.43e-03	1.99e-04	0.0	40.0	0.95	-0.63	0.14	0.03	0.05	0.0
233	124	0.23	0.09	-8.81e-05	-0.13	0.0	-1.19	-0.50	0.22	3.59e-03	0.01	0.23
		0.0	0.01	3.27e-05	0.0	40.0	-1.19	-0.63	0.22	3.59e-03	0.09	0.0
233	127	0.05	-0.02	1.09e-04	-0.13	0.0	2.24	-0.06	-0.29	0.10	-0.02	0.05
		0.0	-0.14	-2.86e-05	0.0	40.0	2.24	-0.18	-0.29	0.10	-0.14	0.0
233	133	0.13	-0.02	-8.34e-05	-0.13	0.0	4.15	-0.25	-0.16	0.08	-0.02	0.13
		0.0	-0.09	3.54e-05	0.0	40.0	4.15	-0.38	-0.16	0.08	-0.09	0.0
233	134	0.15	0.03	1.05e-04	-0.13	0.0	-3.10	-0.31	0.09	0.02	2.71e-03	0.15
		0.0	2.71e-03	-3.13e-05	0.0	40.0	-3.10	-0.43	0.09	0.02	0.03	0.0
233	140	0.25	0.07	-9.09e-05	-0.13	0.0	1.37	-0.56	0.18	0.03	8.15e-03	0.25
		0.0	8.15e-03	2.07e-04	0.0	40.0	1.37	-0.68	0.18	0.03	0.07	0.0
233	144	0.24	0.07	-3.92e-05	-0.13	0.0	1.01	-0.53	0.16	0.03	6.92e-03	0.24
		0.0	6.92e-03	2.24e-04	0.0	40.0	1.01	-0.66	0.16	0.03	0.07	0.0
233	156	0.24	0.11	-1.01e-04	-0.13	0.0	-1.40	-0.53	0.25	-2.31e-03	0.01	0.24
		0.0	0.01	3.63e-05	0.0	40.0	-1.40	-0.65	0.25	-2.31e-03	0.11	0.0
233	159	0.04	-0.03	1.22e-04	-0.13	0.0	2.45	-0.03	-0.32	0.10	-0.03	0.04
		0.0	-0.16	-3.22e-05	0.0	40.0	2.45	-0.15	-0.32	0.10	-0.16	0.0
233	165	0.12	-0.02	-9.52e-05	-0.13	0.0	4.60	-0.25	-0.18	0.08	-0.02	0.12
		0.0	-0.09	3.93e-05	0.0	40.0	4.60	-0.37	-0.18	0.08	-0.09	0.0
233	166	0.15	0.04	1.16e-04	-0.13	0.0	-3.55	-0.31	0.11	0.02	3.84e-03	0.15
		0.0	3.84e-03	-3.52e-05	0.0	40.0	-3.55	-0.44	0.11	0.02	0.04	0.0
233	172	0.24	0.07	-1.02e-04	-0.13	0.0	1.32	-0.54	0.18	0.03	7.98e-03	0.24
		0.0	7.98e-03	2.03e-04	0.0	40.0	1.32	-0.67	0.18	0.03	0.07	0.0
233	176	0.23	0.06	-5.01e-05	-0.13	0.0	0.95	-0.52	0.16	0.03	6.75e-03	0.23
		0.0	6.75e-03	2.22e-04	0.0	40.0	0.95	-0.64	0.16	0.03	0.06	0.0
233	188	0.23	0.10	-1.04e-04	-0.13	0.0	-1.35	-0.52	0.24	-1.44e-03	0.01	0.23
		0.0	0.01	3.27e-05	0.0	40.0	-1.35	-0.64	0.24	-1.44e-03	0.10	0.0
233	191	0.04	-0.03	1.26e-04	-0.13	0.0	2.41	-0.04	-0.31	0.10	-0.03	0.04
		0.0	-0.16	-2.86e-05	0.0	40.0	2.41	-0.16	-0.31	0.10	-0.16	0.0
233	197	0.13	-0.02	-9.77e-05	-0.13	0.0	4.52	-0.25	-0.17	0.08	-0.02	0.13
		0.0	-0.09	3.54e-05	0.0	40.0	4.52	-0.38	-0.17	0.08	-0.09	0.0
233	198	0.15	0.04	1.19e-04	-0.13	0.0	-3.47	-0.31	0.10	0.02	3.58e-03	0.15
		0.0	3.58e-03	-3.14e-05	0.0	40.0	-3.47	-0.43	0.10	0.02	0.04	0.0
233	204	0.26	0.09	-1.27e-04	-0.13	0.0	1.43	-0.58	0.21	0.02	0.01	0.26
		0.0	0.01	2.37e-04	0.0	40.0	1.43	-0.70	0.21	0.02	0.09	0.0
233	208	0.24	0.08	-6.72e-05	-0.13	0.0	1.00	-0.55	0.19	0.03	8.95e-03	0.24
		0.0	8.95e-03	2.60e-04	0.0	40.0	1.00	-0.67	0.19	0.03	0.08	0.0
233	220	0.25	0.12	-1.26e-04	-0.13	0.0	-1.65	-0.56	0.29	-9.93e-03	0.02	0.25
		0.0	0.02	3.63e-05	0.0	40.0	-1.65	-0.68	0.29	-9.93e-03	0.12	0.0
233	223	0.03	-0.03	1.47e-04	-0.13	0.0	2.71	-1.57e-03	-0.36	0.11	-0.03	0.03
		0.0	-0.18	-3.22e-05	0.0	40.0	2.71	-0.13	-0.36	0.11	-0.18	0.0
233	229	0.12	-0.02	-1.17e-04	-0.13	0.0	5.16	-0.25	-0.20	0.09	-0.02	0.12
		0.0	-0.10	3.90e-05	0.0	40.0	5.16	-0.37	-0.20	0.09	-0.10	0.0
233	230	0.15	0.05	1.38e-04	-0.13	0.0	-4.11	-0.31	0.13	0.01	5.14e-03	0.15
		0.0	5.14e-03	-3.49e-05	0.0	40.0	-4.11	-0.43	0.13	0.01	0.05	0.0
234	4	0.17	1.78e-04	-6.06e-05	-0.16	0.0	0.07	0.51	0.08	-0.16	-0.03	0.0
		0.0	-0.03	0.0	0.0	40.0	0.07	0.35	0.08	-0.16	1.78e-04	0.17
234	20	0.02	9.75e-04	-3.68e-05	-0.13	0.0	-4.50e-04	0.13	0.05	-0.24	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	-4.50e-04	-4.16e-04	0.05	-0.24	9.75e-04	0.02
234	22	0.09	6.27e-04	-4.34e-05	-0.13	0.0	-0.13	0.29	0.07	-0.25	-0.03	0.0
		0.0	-0.03	0.0	0.0	40.0	-0.13	0.16	0.07	-0.25	6.27e-04	0.09
234	27	0.26	-1.49e-03	-6.54e-05	-0.16	0.0	0.62	0.73	0.05	0.04	-0.02	0.0
		0.0	-0.02	1.25e-06	0.0	40.0	0.62	0.57	0.05	0.04	-1.49e-03	0.26
234	36	0.06	-6.36e-04	-3.96e-05	-0.13	0.0	0.67	0.20	0.03	0.05	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.67	0.08	0.03	0.05	-6.36e-04	0.06

234	41	0.18	-1.72e-03	-5.73e-05	-0.16	0.0	1.01	0.54	0.02	0.09	-9.37e-03	0.0
		0.0	-9.37e-03	1.23e-06	0.0	40.0	1.01	0.38	0.02	0.09	-1.72e-03	0.18
234	68	0.13	1.45e-04	-4.56e-05	-0.13	0.0	0.11	0.38	0.05	-0.11	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	0.11	0.25	0.05	-0.11	1.45e-04	0.13
234	73	0.05	6.62e-04	-3.87e-05	-0.13	0.0	0.13	0.20	0.04	-0.17	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	0.13	0.07	0.04	-0.17	6.62e-04	0.05
234	75	0.10	4.30e-04	-4.30e-05	-0.13	0.0	0.04	0.31	0.05	-0.17	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	0.04	0.18	0.05	-0.17	4.30e-04	0.10
234	79	0.18	-9.70e-04	-4.88e-05	-0.13	0.0	0.48	0.52	0.04	0.03	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	0.48	0.40	0.04	0.03	-9.70e-04	0.18
234	81	0.08	-4.12e-04	-4.05e-05	-0.13	0.0	0.58	0.25	0.03	0.03	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.58	0.13	0.03	0.03	-4.12e-04	0.08
234	85	0.13	-1.12e-03	-4.34e-05	-0.13	0.0	0.73	0.40	0.01	0.06	-6.93e-03	0.0
		0.0	-6.93e-03	0.0	0.0	40.0	0.73	0.27	0.01	0.06	-1.12e-03	0.13
234	98	0.15	-1.50e-04	-4.58e-05	-0.13	0.0	0.32	0.43	0.04	-0.02	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.32	0.31	0.04	-0.02	-1.50e-04	0.15
234	99	0.10	1.27e-04	-4.10e-05	-0.13	0.0	0.40	0.30	0.03	-0.01	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.40	0.18	0.03	-0.01	1.27e-04	0.10
234	102	0.10	1.75e-04	-4.10e-05	-0.13	0.0	0.35	0.31	0.03	-0.04	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.35	0.19	0.03	-0.04	1.75e-04	0.10
234	103	0.14	-2.33e-05	-4.48e-05	-0.13	0.0	0.28	0.40	0.04	-0.05	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.28	0.28	0.04	-0.05	-2.33e-05	0.14
234	104	0.11	-1.58e-04	-4.18e-05	-0.13	0.0	0.47	0.34	0.02	4.81e-04	-8.87e-03	0.0
		0.0	-8.87e-03	0.0	0.0	40.0	0.47	0.21	0.02	4.81e-04	-1.58e-04	0.11
234	106	0.11	8.20e-05	-4.14e-05	-0.13	0.0	0.41	0.33	0.02	-0.01	-9.36e-03	0.0
		0.0	-9.36e-03	0.0	0.0	40.0	0.41	0.20	0.02	-0.01	8.20e-05	0.11
234	107	0.14	-1.17e-04	-4.51e-05	-0.13	0.0	0.33	0.42	0.03	-0.02	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.33	0.29	0.03	-0.02	-1.17e-04	0.14
234	113	2.12	-0.02	-7.69e-04	-0.13	0.0	0.86	5.37	0.25	-3.35e-03	-0.12	0.0
		0.0	-0.12	1.83e-04	0.0	40.0	0.86	5.25	0.25	-3.35e-03	-0.02	2.12
234	114	0.0	0.09	6.78e-04	-0.13	0.0	-0.20	-4.54	-0.18	-0.03	0.09	0.0
		-1.84	0.02	-1.81e-04	0.0	40.0	-0.20	-4.66	-0.18	-0.03	0.02	-1.84
234	132	0.0	0.07	-1.54e-04	-0.13	0.0	-2.92	-1.05	-0.13	-0.04	0.07	0.0
		-0.44	0.02	9.06e-05	0.0	40.0	-2.92	-1.17	-0.13	-0.04	0.02	-0.44
234	135	0.73	-0.02	6.35e-05	-0.13	0.0	3.58	1.88	0.20	5.35e-03	-0.10	0.0
		0.0	-0.10	-8.91e-05	0.0	40.0	3.58	1.76	0.20	5.35e-03	-0.02	0.73
234	137	1.59	-0.02	-3.48e-04	-0.13	0.0	3.56	4.03	0.29	9.68e-03	-0.14	0.0
		0.0	-0.14	2.82e-05	0.0	40.0	3.56	3.90	0.29	9.68e-03	-0.02	1.59
234	138	0.0	0.11	2.58e-04	-0.13	0.0	-2.89	-3.19	-0.22	-0.05	0.11	0.0
		-1.30	0.02	-2.68e-05	0.0	40.0	-2.89	-3.32	-0.22	-0.05	0.02	-1.30
234	145	2.37	-0.02	-8.59e-04	-0.13	0.0	0.93	5.99	0.28	-1.53e-03	-0.13	0.0
		0.0	-0.13	2.06e-04	0.0	40.0	0.93	5.87	0.28	-1.53e-03	-0.02	2.37
234	146	0.0	0.10	7.69e-04	-0.13	0.0	-0.27	-5.16	-0.21	-0.03	0.10	0.0
		-2.09	0.02	-2.04e-04	0.0	40.0	-0.27	-5.28	-0.21	-0.03	0.02	-2.09
234	164	0.0	0.08	-1.68e-04	-0.13	0.0	-3.32	-1.23	-0.15	-0.04	0.08	0.0
		-0.52	0.02	1.02e-04	0.0	40.0	-3.32	-1.35	-0.15	-0.04	0.02	-0.52
234	167	0.80	-0.02	7.73e-05	-0.13	0.0	3.98	2.06	0.22	8.23e-03	-0.11	0.0
		0.0	-0.11	-1.01e-04	0.0	40.0	3.98	1.94	0.22	8.23e-03	-0.02	0.80
234	169	1.76	-0.03	-3.86e-04	-0.13	0.0	3.96	4.47	0.33	0.01	-0.16	0.0
		0.0	-0.16	3.16e-05	0.0	40.0	3.96	4.34	0.33	0.01	-0.03	1.76
234	170	0.0	0.13	2.95e-04	-0.13	0.0	-3.30	-3.63	-0.26	-0.05	0.13	0.0
		-1.48	0.03	-3.01e-05	0.0	40.0	-3.30	-3.76	-0.26	-0.05	0.03	-1.48
234	177	2.27	-0.02	-8.22e-04	-0.13	0.0	0.95	5.73	0.27	-2.00e-03	-0.12	0.0
		0.0	-0.12	2.02e-04	0.0	40.0	0.95	5.60	0.27	-2.00e-03	-0.02	2.27
234	178	0.0	0.10	7.32e-04	-0.13	0.0	-0.28	-4.89	-0.20	-0.03	0.10	0.0
		-1.98	0.02	-2.01e-04	0.0	40.0	-0.28	-5.02	-0.20	-0.03	0.02	-1.98
234	196	0.0	0.08	-1.58e-04	-0.13	0.0	-3.23	-1.22	-0.15	-0.04	0.08	0.0
		-0.51	0.02	1.04e-04	0.0	40.0	-3.23	-1.35	-0.15	-0.04	0.02	-0.51
234	199	0.80	-0.02	6.78e-05	-0.13	0.0	3.90	2.06	0.22	7.63e-03	-0.10	0.0
		0.0	-0.10	-1.03e-04	0.0	40.0	3.90	1.93	0.22	7.63e-03	-0.02	0.80
234	201	1.69	-0.03	-3.77e-04	-0.13	0.0	3.89	4.29	0.32	0.01	-0.15	0.0
		0.0	-0.15	2.98e-05	0.0	40.0	3.89	4.17	0.32	0.01	-0.03	1.69
234	202	0.0	0.12	2.86e-04	-0.13	0.0	-3.23	-3.46	-0.25	-0.05	0.12	0.0
		-1.41	0.03	-2.83e-05	0.0	40.0	-3.23	-3.58	-0.25	-0.05	0.03	-1.41
234	209	2.58	-0.02	-9.36e-04	-0.13	0.0	1.06	6.51	0.30	5.29e-04	-0.14	0.0
		0.0	-0.14	2.35e-04	0.0	40.0	1.06	6.38	0.30	5.29e-04	-0.02	2.58
234	210	0.0	0.11	8.46e-04	-0.13	0.0	-0.39	-5.67	-0.23	-0.04	0.11	0.0
		-2.29	0.02	-2.34e-04	0.0	40.0	-0.39	-5.80	-0.23	-0.04	0.02	-2.29
234	228	0.0	0.09	-1.73e-04	-0.13	0.0	-3.80	-1.50	-0.18	-0.05	0.09	0.0
		-0.63	0.02	1.24e-04	0.0	40.0	-3.80	-1.63	-0.18	-0.05	0.02	-0.63
234	231	0.91	-0.02	8.31e-05	-0.13	0.0	4.46	2.34	0.25	0.01	-0.12	0.0
		0.0	-0.12	-1.22e-04	0.0	40.0	4.46	2.21	0.25	0.01	-0.02	0.91
234	233	1.93	-0.03	-4.33e-04	-0.13	0.0	4.46	4.88	0.36	0.02	-0.17	0.0
		0.0	-0.17	3.49e-05	0.0	40.0	4.46	4.76	0.36	0.02	-0.03	1.93
234	234	0.0	0.15	3.43e-04	-0.13	0.0	-3.80	-4.05	-0.29	-0.05	0.15	0.0

		-1.64	0.03	-3.34e-05	0.0	40.0	-3.80	-4.17	-0.29	-0.05	0.03	-1.64
235	4	0.32	6.59e-03	-5.74e-05	-0.16	0.0	-0.51	0.44	0.02	-0.16	1.78e-04	0.17
		0.17	1.78e-04	0.0	0.0	40.0	-0.51	0.28	0.02	-0.16	6.59e-03	0.32
235	12	0.09	3.99e-03	-3.83e-05	-0.13	0.0	-0.31	0.28	7.80e-03	-0.15	8.66e-04	5.60e-03
		5.60e-03	8.66e-04	0.0	0.0	40.0	-0.31	0.15	7.80e-03	-0.15	3.99e-03	0.09
235	18	0.26	6.56e-03	-5.51e-05	-0.16	0.0	-0.62	0.42	0.01	-0.25	6.07e-04	0.13
		0.13	6.07e-04	0.0	0.0	40.0	-0.62	0.25	0.01	-0.25	6.56e-03	0.26
235	27	0.38	4.05e-03	-5.83e-05	-0.16	0.0	0.07	0.39	0.01	0.04	-1.49e-03	0.26
		0.26	-1.49e-03	1.35e-06	0.0	40.0	0.07	0.23	0.01	0.04	4.05e-03	0.38
235	43	0.36	2.64e-03	-5.67e-05	-0.16	0.0	0.33	0.35	0.01	0.09	-2.07e-03	0.25
		0.25	-2.07e-03	1.33e-06	0.0	40.0	0.33	0.19	0.01	0.09	2.64e-03	0.36
235	45	0.20	1.93e-04	-3.94e-05	-0.13	0.0	0.49	0.20	4.73e-03	0.10	-1.70e-03	0.15
		0.15	-1.70e-03	0.0	0.0	40.0	0.49	0.07	4.73e-03	0.10	1.93e-04	0.20
235	68	0.23	4.61e-03	-4.32e-05	-0.13	0.0	-0.34	0.32	0.01	-0.11	1.45e-04	0.13
		0.13	1.45e-04	0.0	0.0	40.0	-0.34	0.19	0.01	-0.11	4.61e-03	0.23
235	69	0.12	3.52e-03	-3.87e-05	-0.13	0.0	-0.23	0.26	7.33e-03	-0.11	5.89e-04	0.04
		0.04	5.89e-04	0.0	0.0	40.0	-0.23	0.14	7.33e-03	-0.11	3.52e-03	0.12
235	75	0.19	4.59e-03	-4.17e-05	-0.13	0.0	-0.41	0.30	0.01	-0.17	4.30e-04	0.10
		0.10	4.30e-04	0.0	0.0	40.0	-0.41	0.18	0.01	-0.17	4.59e-03	0.19
235	79	0.27	2.91e-03	-4.38e-05	-0.13	0.0	0.05	0.28	9.70e-03	0.03	-9.70e-04	0.18
		0.18	-9.70e-04	1.00e-06	0.0	40.0	0.05	0.16	9.70e-03	0.03	2.91e-03	0.27
235	85	0.19	9.92e-04	-3.95e-05	-0.13	0.0	0.31	0.21	5.28e-03	0.06	-1.12e-03	0.13
		0.13	-1.12e-03	0.0	0.0	40.0	0.31	0.08	5.28e-03	0.06	9.92e-04	0.19
235	87	0.26	1.97e-03	-4.27e-05	-0.13	0.0	0.22	0.26	8.30e-03	0.06	-1.35e-03	0.18
		0.18	-1.35e-03	0.0	0.0	40.0	0.22	0.13	8.30e-03	0.06	1.97e-03	0.26
235	98	0.23	3.28e-03	-4.20e-05	-0.13	0.0	-0.12	0.27	8.57e-03	-0.02	-1.50e-04	0.15
		0.15	-1.50e-04	0.0	0.0	40.0	-0.12	0.14	8.57e-03	-0.02	3.28e-03	0.23
235	99	0.16	2.42e-03	-3.88e-05	-0.13	0.0	-0.04	0.22	5.74e-03	-0.01	1.27e-04	0.10
		0.10	1.27e-04	0.0	0.0	40.0	-0.04	0.10	5.74e-03	-0.01	2.42e-03	0.16
235	103	0.22	3.34e-03	-4.14e-05	-0.13	0.0	-0.16	0.26	8.40e-03	-0.05	-2.33e-05	0.14
		0.14	-2.33e-05	0.0	0.0	40.0	-0.16	0.14	8.40e-03	-0.05	3.34e-03	0.22
235	104	0.17	2.04e-03	-3.89e-05	-0.13	0.0	0.04	0.22	5.49e-03	4.81e-04	-1.58e-04	0.11
		0.11	-1.58e-04	0.0	0.0	40.0	0.04	0.09	5.49e-03	4.81e-04	2.04e-03	0.17
235	105	0.23	2.88e-03	-4.17e-05	-0.13	0.0	-0.04	0.26	8.08e-03	-2.85e-03	-3.57e-04	0.15
		0.15	-3.57e-04	0.0	0.0	40.0	-0.04	0.13	8.08e-03	-2.85e-03	2.88e-03	0.23
235	106	0.17	2.30e-03	-3.88e-05	-0.13	0.0	-0.03	0.22	5.54e-03	-0.01	8.20e-05	0.11
		0.11	8.20e-05	0.0	0.0	40.0	-0.03	0.09	5.54e-03	-0.01	2.30e-03	0.17
235	107	0.22	3.14e-03	-4.15e-05	-0.13	0.0	-0.11	0.26	8.14e-03	-0.02	-1.17e-04	0.14
		0.14	-1.17e-04	0.0	0.0	40.0	-0.11	0.14	8.14e-03	-0.02	3.14e-03	0.22
235	113	4.28	5.34e-04	-2.02e-04	-0.13	0.0	0.90	5.47	0.04	-3.35e-03	-0.02	2.12
		2.12	-0.02	1.83e-04	0.0	40.0	0.90	5.35	0.04	-3.35e-03	5.34e-04	4.28
235	114	-1.84	0.02	1.19e-04	-0.13	0.0	-1.11	-4.95	-0.03	-0.03	0.02	-1.84
		-3.84	5.74e-03	-1.81e-04	0.0	40.0	-1.11	-5.08	-0.03	-0.03	5.74e-03	-3.84
235	137	2.87	-1.29e-03	-1.43e-04	-0.13	0.0	2.95	3.31	0.06	9.68e-03	-0.02	1.59
		1.59	-0.02	2.85e-05	0.0	40.0	2.95	3.19	0.06	9.68e-03	-1.29e-03	2.87
235	138	-1.30	0.02	6.00e-05	-0.13	0.0	-3.17	-2.79	-0.04	-0.05	0.02	-1.30
		-2.42	7.57e-03	-2.67e-05	0.0	40.0	-3.17	-2.92	-0.04	-0.05	7.57e-03	-2.42
235	145	4.79	2.10e-04	-2.22e-04	-0.13	0.0	1.02	6.12	0.05	-1.53e-03	-0.02	2.37
		2.37	-0.02	2.06e-04	0.0	40.0	1.02	6.00	0.05	-1.53e-03	2.10e-04	4.79
235	146	-2.09	0.02	1.39e-04	-0.13	0.0	-1.24	-5.60	-0.03	-0.03	0.02	-2.09
		-4.35	6.07e-03	-2.04e-04	0.0	40.0	-1.24	-5.73	-0.03	-0.03	6.07e-03	-4.35
235	169	3.19	-1.84e-03	-1.55e-04	-0.13	0.0	3.34	3.68	0.06	0.01	-0.03	1.76
		1.76	-0.03	3.18e-05	0.0	40.0	3.34	3.55	0.06	0.01	-1.84e-03	3.19
235	170	-1.48	0.03	7.19e-05	-0.13	0.0	-3.55	-3.16	-0.04	-0.05	0.03	-1.48
		-2.75	8.12e-03	-3.00e-05	0.0	40.0	-3.55	-3.28	-0.04	-0.05	8.12e-03	-2.75
235	177	4.57	3.47e-04	-2.07e-04	-0.13	0.0	0.99	5.84	0.05	-2.00e-03	-0.02	2.27
		2.27	-0.02	2.02e-04	0.0	40.0	0.99	5.71	0.05	-2.00e-03	3.47e-04	4.57
235	178	-1.98	0.02	1.24e-04	-0.13	0.0	-1.20	-5.31	-0.03	-0.03	0.02	-1.98
		-4.13	5.93e-03	-2.01e-04	0.0	40.0	-1.20	-5.44	-0.03	-0.03	5.93e-03	-4.13
235	201	3.04	-1.72e-03	-1.46e-04	-0.13	0.0	3.27	3.47	0.06	0.01	-0.03	1.69
		1.69	-0.03	3.00e-05	0.0	40.0	3.27	3.34	0.06	0.01	-1.72e-03	3.04
235	202	-1.41	0.03	6.27e-05	-0.13	0.0	-3.48	-2.95	-0.04	-0.05	0.03	-1.41
		-2.59	7.99e-03	-2.83e-05	0.0	40.0	-3.48	-3.07	-0.04	-0.05	7.99e-03	-2.59
235	209	5.21	-5.59e-05	-2.27e-04	-0.13	0.0	1.16	6.65	0.05	5.29e-04	-0.02	2.58
		2.58	-0.02	2.36e-04	0.0	40.0	1.16	6.52	0.05	5.29e-04	-5.59e-05	5.21
235	210	-2.29	0.02	1.44e-04	-0.13	0.0	-1.38	-6.13	-0.04	-0.04	0.02	-2.29
		-4.76	6.33e-03	-2.34e-04	0.0	40.0	-1.38	-6.25	-0.04	-0.04	6.33e-03	-4.76
235	233	3.46	-2.49e-03	-1.59e-04	-0.13	0.0	3.81	3.94	0.07	0.02	-0.03	1.93
		1.93	-0.03	3.52e-05	0.0	40.0	3.81	3.81	0.07	0.02	-2.49e-03	3.46
235	234	-1.64	0.03	7.56e-05	-0.13	0.0	-4.03	-3.42	-0.05	-0.05	0.03	-1.64
		-3.02	8.76e-03	-3.34e-05	0.0	40.0	-4.03	-3.54	-0.05	-0.05	8.76e-03	-3.02
236	4	0.32	6.59e-03	-3.62e-05	-0.16	0.0	-0.69	-1.15	-8.31e-03	-0.16	6.59e-03	0.32
		0.18	3.27e-03	1.43e-06	0.0	40.0	-0.69	-1.31	-8.31e-03	-0.16	3.27e-03	0.18
236	15	0.19	4.63e-03	-2.63e-05	-0.16	0.0	-0.70	-1.68	-2.02e-03	-0.25	4.63e-03	0.19
		-0.51	3.82e-03	0.0	0.0	40.0	-0.70	-1.84	-2.02e-03	-0.25	3.82e-03	-0.51

236	18	0.26	6.56e-03	-3.34e-05	-0.16	0.0	-0.82	-1.29	-5.62e-03	-0.25	6.56e-03	0.26
		-0.29	4.31e-03	0.0	0.0	40.0	-0.82	-1.45	-5.62e-03	-0.25	4.31e-03	-0.29
236	27	0.38	4.05e-03	-3.62e-05	-0.16	0.0	-0.09	-1.20	-9.38e-03	0.04	4.05e-03	0.38
		-0.13	3.01e-04	1.83e-06	0.0	40.0	-0.09	-1.37	-9.38e-03	0.04	3.01e-04	-0.13
236	45	0.20	1.93e-04	-2.08e-05	-0.13	0.0	0.35	-1.30	-3.48e-03	0.10	1.93e-04	0.20
		-0.35	-1.20e-03	0.0	0.0	40.0	0.35	-1.43	-3.48e-03	0.10	-1.20e-03	-0.35
236	68	0.23	4.61e-03	-2.65e-05	-0.13	0.0	-0.48	-0.96	-5.94e-03	-0.11	4.61e-03	0.23
		-0.18	2.23e-03	1.07e-06	0.0	40.0	-0.48	-1.08	-5.94e-03	-0.11	2.23e-03	-0.18
236	72	0.15	3.30e-03	-1.99e-05	-0.13	0.0	-0.48	-1.31	-1.74e-03	-0.17	3.30e-03	0.15
		-0.40	2.60e-03	0.0	0.0	40.0	-0.48	-1.44	-1.74e-03	-0.17	2.60e-03	-0.40
236	75	0.19	4.59e-03	-2.46e-05	-0.13	0.0	-0.57	-1.05	-4.14e-03	-0.17	4.59e-03	0.19
		-0.25	2.93e-03	0.0	0.0	40.0	-0.57	-1.18	-4.14e-03	-0.17	2.93e-03	-0.25
236	79	0.27	2.91e-03	-2.65e-05	-0.13	0.0	-0.08	-0.99	-6.65e-03	0.03	2.91e-03	0.27
		-0.15	2.53e-04	1.34e-06	0.0	40.0	-0.08	-1.12	-6.65e-03	0.03	2.53e-04	-0.15
236	85	0.19	9.92e-04	-2.09e-05	-0.13	0.0	0.17	-1.29	-3.93e-03	0.06	9.92e-04	0.19
		-0.35	-5.80e-04	1.01e-06	0.0	40.0	0.17	-1.41	-3.93e-03	0.06	-5.80e-04	-0.35
236	98	0.23	3.28e-03	-2.43e-05	-0.13	0.0	-0.26	-1.10	-6.09e-03	-0.02	3.28e-03	0.23
		-0.23	8.40e-04	1.26e-06	0.0	40.0	-0.26	-1.22	-6.09e-03	-0.02	8.40e-04	-0.23
236	102	0.16	2.50e-03	-2.02e-05	-0.13	0.0	-0.24	-1.31	-3.78e-03	-0.04	2.50e-03	0.16
		-0.39	9.85e-04	0.0	0.0	40.0	-0.24	-1.44	-3.78e-03	-0.04	9.85e-04	-0.39
236	103	0.22	3.34e-03	-2.37e-05	-0.13	0.0	-0.31	-1.13	-5.33e-03	-0.05	3.34e-03	0.22
		-0.26	1.21e-03	1.12e-06	0.0	40.0	-0.31	-1.25	-5.33e-03	-0.05	1.21e-03	-0.26
236	104	0.17	2.04e-03	-2.04e-05	-0.13	0.0	-0.11	-1.31	-4.22e-03	4.81e-04	2.04e-03	0.17
		-0.38	3.49e-04	1.03e-06	0.0	40.0	-0.11	-1.43	-4.22e-03	4.81e-04	3.49e-04	-0.38
236	106	0.17	2.30e-03	-2.02e-05	-0.13	0.0	-0.18	-1.31	-4.30e-03	-0.01	2.30e-03	0.17
		-0.38	5.82e-04	1.04e-06	0.0	40.0	-0.18	-1.43	-4.30e-03	-0.01	5.82e-04	-0.38
236	107	0.22	3.14e-03	-2.37e-05	-0.13	0.0	-0.25	-1.13	-5.84e-03	-0.02	3.14e-03	0.22
		-0.25	8.03e-04	1.23e-06	0.0	40.0	-0.25	-1.25	-5.84e-03	-0.02	8.03e-04	-0.25
236	113	10.92	1.07e-03	-2.96e-04	-0.13	0.0	0.41	16.66	1.34e-03	-3.35e-03	5.34e-04	4.28
		4.28	5.34e-04	1.84e-04	0.0	40.0	0.41	16.54	1.34e-03	-3.35e-03	1.07e-03	10.92
236	114	-3.84	5.74e-03	2.49e-04	-0.13	0.0	-0.90	-18.92	-0.01	-0.03	5.74e-03	-3.84
		-11.43	5.33e-04	-1.81e-04	0.0	40.0	-0.90	-19.04	-0.01	-0.03	5.33e-04	-11.43
236	132	-0.62	6.66e-03	1.63e-05	-0.13	0.0	-3.12	-4.25	-0.02	-0.04	6.66e-03	-0.62
		-2.34	5.61e-04	9.06e-05	0.0	40.0	-3.12	-4.37	-0.02	-0.04	5.61e-04	-2.34
236	135	1.83	1.05e-03	-6.37e-05	-0.13	0.0	2.62	1.99	3.54e-03	5.35e-03	-3.81e-04	1.06
		1.06	-3.81e-04	-8.81e-05	0.0	40.0	2.62	1.86	3.54e-03	5.35e-03	1.05e-03	1.83
236	137	6.85	1.14e-03	-1.82e-04	-0.13	0.0	2.59	10.03	6.05e-03	9.68e-03	-1.29e-03	2.87
		2.87	-1.29e-03	2.93e-05	0.0	40.0	2.59	9.91	6.05e-03	9.68e-03	1.14e-03	6.85
236	138	-2.42	7.57e-03	1.35e-04	-0.13	0.0	-3.08	-12.29	-0.02	-0.05	7.57e-03	-2.42
		-7.36	4.61e-04	-2.69e-05	0.0	40.0	-3.08	-12.41	-0.02	-0.05	4.61e-04	-7.36
236	145	12.31	1.11e-03	-3.30e-04	-0.13	0.0	0.49	18.88	2.23e-03	-1.53e-03	2.10e-04	4.79
		4.79	2.10e-04	2.07e-04	0.0	40.0	0.49	18.76	2.23e-03	-1.53e-03	1.11e-03	12.31
236	146	-4.35	6.07e-03	2.83e-04	-0.13	0.0	-0.98	-21.14	-0.01	-0.03	6.07e-03	-4.35
		-12.82	4.99e-04	-2.04e-04	0.0	40.0	-0.98	-21.26	-0.01	-0.03	4.99e-04	-12.82
236	164	-0.72	7.10e-03	2.11e-05	-0.13	0.0	-3.47	-4.62	-0.02	-0.04	7.10e-03	-0.72
		-2.59	5.31e-04	1.02e-04	0.0	40.0	-3.47	-4.75	-0.02	-0.04	5.31e-04	-2.59
236	167	2.08	1.08e-03	-6.86e-05	-0.13	0.0	2.98	2.36	4.71e-03	8.23e-03	-8.20e-04	1.16
		1.16	-8.20e-04	-9.98e-05	0.0	40.0	2.98	2.24	4.71e-03	8.23e-03	1.08e-03	2.08
236	169	7.71	1.19e-03	-2.01e-04	-0.13	0.0	2.94	11.38	7.52e-03	0.01	-1.84e-03	3.19
		3.19	-1.84e-03	3.27e-05	0.0	40.0	2.94	11.26	7.52e-03	0.01	1.19e-03	7.71
236	170	-2.75	8.12e-03	1.54e-04	-0.13	0.0	-3.43	-13.64	-0.02	-0.05	8.12e-03	-2.75
		-8.22	4.19e-04	-3.03e-05	0.0	40.0	-3.43	-13.76	-0.02	-0.05	4.19e-04	-8.22
236	177	11.70	1.09e-03	-3.15e-04	-0.13	0.0	0.49	17.89	1.85e-03	-2.00e-03	3.47e-04	4.57
		4.57	3.47e-04	2.03e-04	0.0	40.0	0.49	17.76	1.85e-03	-2.00e-03	1.09e-03	11.70
236	178	-4.13	5.93e-03	2.67e-04	-0.13	0.0	-0.98	-20.14	-0.01	-0.03	5.93e-03	-4.13
		-12.21	5.16e-04	-2.00e-04	0.0	40.0	-0.98	-20.27	-0.01	-0.03	5.16e-04	-12.21
236	196	-0.71	7.07e-03	2.33e-05	-0.13	0.0	-3.41	-4.56	-0.02	-0.04	7.07e-03	-0.71
		-2.55	5.32e-04	1.04e-04	0.0	40.0	-3.41	-4.68	-0.02	-0.04	5.32e-04	-2.55
236	199	2.04	1.07e-03	-7.08e-05	-0.13	0.0	2.91	2.30	4.65e-03	7.63e-03	-7.98e-04	1.15
		1.15	-7.98e-04	-1.02e-04	0.0	40.0	2.91	2.18	4.65e-03	7.63e-03	1.07e-03	2.04
236	201	7.28	1.18e-03	-1.91e-04	-0.13	0.0	2.88	10.67	7.19e-03	0.01	-1.72e-03	3.04
		3.04	-1.72e-03	3.09e-05	0.0	40.0	2.88	10.55	7.19e-03	0.01	1.18e-03	7.28
236	202	-2.59	7.99e-03	1.43e-04	-0.13	0.0	-3.37	-12.93	-0.02	-0.05	7.99e-03	-2.59
		-7.79	4.30e-04	-2.85e-05	0.0	40.0	-3.37	-13.05	-0.02	-0.05	4.30e-04	-7.79
236	209	13.44	1.13e-03	-3.57e-04	-0.13	0.0	0.60	20.65	2.95e-03	5.29e-04	-5.59e-05	5.21
		5.21	-5.59e-05	2.36e-04	0.0	40.0	0.60	20.53	2.95e-03	5.29e-04	1.13e-03	13.44
236	210	-4.76	6.33e-03	3.09e-04	-0.13	0.0	-1.10	-22.91	-0.01	-0.04	6.33e-03	-4.76
		-13.95	4.76e-04	-2.34e-04	0.0	40.0	-1.10	-23.03	-0.01	-0.04	4.76e-04	-13.95
236	228	-0.86	7.73e-03	3.19e-05	-0.13	0.0	-3.91	-5.12	-0.02	-0.05	7.73e-03	-0.86
		-2.93	4.85e-04	1.23e-04	0.0	40.0	-3.91	-5.25	-0.02	-0.05	4.85e-04	-2.93
236	231	2.42	1.12e-03	-7.94e-05	-0.13	0.0	3.42	2.87	6.40e-03	0.01	-1.45e-03	1.30
		1.30	-1.45e-03	-1.21e-04	0.0	40.0	3.42	2.74	6.40e-03	0.01	1.12e-03	2.42
236	233	8.40	1.24e-03	-2.15e-04	-0.13	0.0	3.38	12.42	9.26e-03	0.02	-2.49e-03	3.46
		3.46	-2.49e-03	3.62e-05	0.0	40.0	3.38	12.29	9.26e-03	0.02	1.24e-03	8.40
236	234	-3.02	8.76e-03	1.67e-04	-0.13	0.0	-3.87	-14.67	-0.02	-0.05	8.76e-03	-3.02

		-8.91	3.71e-04	-3.37e-05	0.0	40.0	-3.87	-14.80	-0.02	-0.05	3.71e-04	-8.91
237	15	1.24	3.82e-03	-2.77e-04	-0.98	0.0	-1.03	1.22	-5.73e-03	-0.25	3.82e-03	-0.51
		-0.51	-9.92e-03	3.97e-06	0.0	240.0	-1.03	0.24	-5.73e-03	-0.25	-9.92e-03	1.24
237	18	0.97	4.31e-03	-2.57e-04	-0.98	0.0	-1.08	1.01	-5.87e-03	-0.25	4.31e-03	-0.29
		-0.29	-9.78e-03	6.52e-06	0.0	240.0	-1.08	0.03	-5.87e-03	-0.25	-9.78e-03	0.97
237	19	0.99	3.57e-03	-2.16e-04	-0.75	0.0	-0.90	0.97	-5.65e-03	-0.24	3.57e-03	-0.43
		-0.43	-9.99e-03	2.11e-06	0.0	240.0	-0.90	0.22	-5.65e-03	-0.24	-9.99e-03	0.99
237	44	0.92	5.08e-03	-2.48e-04	-0.98	0.0	-0.03	0.96	2.31e-03	0.09	-4.57e-04	-0.20
		-0.20	-4.57e-04	1.18e-05	0.0	240.0	-0.03	-0.02	2.31e-03	0.09	5.08e-03	0.92
237	45	0.94	4.87e-03	-2.07e-04	-0.75	0.0	0.14	0.91	2.53e-03	0.10	-1.20e-03	-0.35
		-0.35	-1.20e-03	6.44e-06	0.0	240.0	0.14	0.16	2.53e-03	0.10	4.87e-03	0.94
237	72	0.97	2.60e-03	-2.14e-04	-0.75	0.0	-0.74	0.95	-3.83e-03	-0.17	2.60e-03	-0.40
		-0.40	-6.60e-03	3.32e-06	0.0	240.0	-0.74	0.20	-3.83e-03	-0.17	-6.60e-03	0.97
237	75	0.79	2.93e-03	-2.00e-04	-0.75	0.0	-0.77	0.81	-3.93e-03	-0.17	2.93e-03	-0.25
		-0.25	-6.50e-03	5.13e-06	0.0	240.0	-0.77	0.06	-3.93e-03	-0.17	-6.50e-03	0.79
237	85	0.93	3.30e-03	-2.08e-04	-0.75	0.0	-0.04	0.91	1.62e-03	0.06	-5.80e-04	-0.35
		-0.35	-5.80e-04	6.72e-06	0.0	240.0	-0.04	0.16	1.62e-03	0.06	3.30e-03	0.93
237	88	0.75	3.40e-03	-1.94e-04	-0.75	0.0	-0.07	0.77	1.52e-03	0.06	-2.52e-04	-0.20
		-0.20	-2.52e-04	8.64e-06	0.0	240.0	-0.07	0.02	1.52e-03	0.06	3.40e-03	0.75
237	102	0.96	9.85e-04	-2.12e-04	-0.75	0.0	-0.47	0.94	-9.12e-04	-0.04	9.85e-04	-0.39
		-0.39	-1.20e-03	6.15e-06	0.0	240.0	-0.47	0.18	-9.12e-04	-0.04	-1.20e-03	0.96
237	103	0.82	1.21e-03	-2.00e-04	-0.75	0.0	-0.48	0.83	-9.78e-04	-0.05	1.21e-03	-0.26
		-0.26	-1.14e-03	7.55e-06	0.0	240.0	-0.48	0.07	-9.78e-04	-0.05	-1.14e-03	0.82
237	104	0.95	7.77e-04	-2.11e-04	-0.75	0.0	-0.33	0.93	1.78e-04	4.81e-04	3.49e-04	-0.38
		-0.38	3.49e-04	6.86e-06	0.0	240.0	-0.33	0.18	1.78e-04	4.81e-04	7.77e-04	0.95
237	106	0.96	5.82e-04	-2.12e-04	-0.75	0.0	-0.40	0.93	-1.81e-04	-0.01	5.82e-04	-0.38
		-0.38	1.47e-04	6.89e-06	0.0	240.0	-0.40	0.18	-1.81e-04	-0.01	1.47e-04	0.96
237	107	0.82	8.03e-04	-1.99e-04	-0.75	0.0	-0.41	0.82	-2.47e-04	-0.02	8.03e-04	-0.25
		-0.25	2.10e-04	8.29e-06	0.0	240.0	-0.41	0.07	-2.47e-04	-0.02	2.10e-04	0.82
237	108	10.87	9.40e-04	9.56e-04	-0.75	0.0	0.62	-9.09	-4.19e-04	-0.02	9.40e-04	10.87
		-11.86	-7.59e-05	1.11e-03	0.0	240.0	0.62	-9.85	-4.19e-04	-0.02	-7.59e-05	-11.86
237	111	13.50	6.66e-04	-1.35e-03	-0.75	0.0	-1.45	10.74	-7.53e-05	-0.02	6.66e-04	-11.38
		-11.38	4.96e-04	-1.10e-03	0.0	240.0	-1.45	9.99	-7.53e-05	-0.02	4.96e-04	13.50
237	133	7.64	1.15e-03	5.52e-04	-0.75	0.0	3.46	-6.17	-1.07e-03	9.54e-03	1.15e-03	7.64
		-8.07	-1.42e-03	1.76e-04	0.0	240.0	3.46	-6.92	-1.07e-03	9.54e-03	-1.42e-03	-8.07
237	134	9.71	1.84e-03	-9.50e-04	-0.75	0.0	-4.29	7.82	5.75e-04	-0.05	4.52e-04	-8.14
		-8.14	4.52e-04	-1.60e-04	0.0	240.0	-4.29	7.06	5.75e-04	-0.05	1.84e-03	9.71
237	137	6.85	1.14e-03	4.79e-04	-0.75	0.0	3.34	-5.48	-1.07e-03	9.68e-03	1.14e-03	6.85
		-7.21	-1.43e-03	1.91e-04	0.0	240.0	3.34	-6.23	-1.07e-03	9.68e-03	-1.43e-03	-7.21
237	138	8.84	1.85e-03	-8.78e-04	-0.75	0.0	-4.17	7.13	5.75e-04	-0.05	4.61e-04	-7.36
		-7.36	4.61e-04	-1.74e-04	0.0	240.0	-4.17	6.38	5.75e-04	-0.05	1.85e-03	8.84
237	140	12.25	9.58e-04	1.10e-03	-0.75	0.0	0.76	-10.33	-4.41e-04	-0.02	9.58e-04	12.25
		-13.44	-1.12e-04	1.25e-03	0.0	240.0	0.76	-11.08	-4.41e-04	-0.02	-1.12e-04	-13.44
237	143	15.08	6.49e-04	-1.50e-03	-0.75	0.0	-1.58	11.98	-5.37e-05	-0.02	6.49e-04	-12.76
		-12.76	5.32e-04	-1.23e-03	0.0	240.0	-1.58	11.22	-5.37e-05	-0.02	5.32e-04	15.08
237	165	8.61	1.20e-03	6.46e-04	-0.75	0.0	3.94	-7.03	-1.17e-03	0.01	1.20e-03	8.61
		-9.17	-1.62e-03	1.96e-04	0.0	240.0	3.94	-7.79	-1.17e-03	0.01	-1.62e-03	-9.17
237	166	10.81	2.04e-03	-1.04e-03	-0.75	0.0	-4.77	8.68	6.78e-04	-0.05	4.08e-04	-9.12
		-9.12	4.08e-04	-1.79e-04	0.0	240.0	-4.77	7.93	6.78e-04	-0.05	2.04e-03	10.81
237	169	7.71	1.19e-03	5.62e-04	-0.75	0.0	3.80	-6.24	-1.17e-03	0.01	1.19e-03	7.71
		-8.18	-1.63e-03	2.13e-04	0.0	240.0	3.80	-7.00	-1.17e-03	0.01	-1.63e-03	-8.18
237	170	9.81	2.05e-03	-9.60e-04	-0.75	0.0	-4.63	7.89	6.77e-04	-0.05	4.19e-04	-8.22
		-8.22	4.19e-04	-1.96e-04	0.0	240.0	-4.63	7.14	6.77e-04	-0.05	2.05e-03	9.81
237	172	11.64	9.45e-04	1.03e-03	-0.75	0.0	0.68	-9.77	-4.24e-04	-0.02	9.45e-04	11.64
		-12.71	-8.56e-05	1.23e-03	0.0	240.0	0.68	-10.52	-4.24e-04	-0.02	-8.56e-05	-12.71
237	175	14.35	6.61e-04	-1.43e-03	-0.75	0.0	-1.51	11.41	-7.04e-05	-0.02	6.61e-04	-12.15
		-12.15	5.05e-04	-1.21e-03	0.0	240.0	-1.51	10.66	-7.04e-05	-0.02	5.05e-04	14.35
237	197	8.25	1.19e-03	6.24e-04	-0.75	0.0	3.85	-6.70	-1.16e-03	0.01	1.19e-03	8.25
		-8.74	-1.60e-03	1.73e-04	0.0	240.0	3.85	-7.45	-1.16e-03	0.01	-1.60e-03	-8.74
237	198	10.38	2.02e-03	-1.02e-03	-0.75	0.0	-4.68	8.35	6.62e-04	-0.05	4.19e-04	-8.75
		-8.75	4.19e-04	-1.57e-04	0.0	240.0	-4.68	7.59	6.62e-04	-0.05	2.02e-03	10.38
237	201	7.28	1.18e-03	5.32e-04	-0.75	0.0	3.70	-5.85	-1.15e-03	0.01	1.18e-03	7.28
		-7.66	-1.60e-03	2.02e-04	0.0	240.0	3.70	-6.60	-1.15e-03	0.01	-1.60e-03	-7.66
237	202	9.29	2.02e-03	-9.30e-04	-0.75	0.0	-4.53	7.49	6.61e-04	-0.05	4.30e-04	-7.79
		-7.79	4.30e-04	-1.85e-04	0.0	240.0	-4.53	6.74	6.61e-04	-0.05	2.02e-03	9.29
237	204	13.36	9.63e-04	1.20e-03	-0.75	0.0	0.82	-11.30	-4.46e-04	-0.02	9.63e-04	13.36
		-14.67	-1.23e-04	1.43e-03	0.0	240.0	0.82	-12.05	-4.46e-04	-0.02	-1.23e-04	-14.67
237	207	16.30	6.44e-04	-1.60e-03	-0.75	0.0	-1.65	12.95	-4.86e-05	-0.02	6.44e-04	-13.87
		-13.87	5.43e-04	-1.41e-03	0.0	240.0	-1.65	12.20	-4.86e-05	-0.02	5.43e-04	16.30
237	229	9.52	1.25e-03	7.52e-04	-0.75	0.0	4.53	-7.82	-1.30e-03	0.02	1.25e-03	9.52
		-10.16	-1.89e-03	1.89e-04	0.0	240.0	4.53	-8.58	-1.30e-03	0.02	-1.89e-03	-10.16
237	230	11.80	2.31e-03	-1.15e-03	-0.75	0.0	-5.36	9.47	8.09e-04	-0.05	3.58e-04	-10.03
		-10.03	3.58e-04	-1.73e-04	0.0	240.0	-5.36	8.72	8.09e-04	-0.05	2.31e-03	11.80
237	233	8.40	1.24e-03	6.44e-04	-0.75	0.0	4.36	-6.83	-1.30e-03	0.02	1.24e-03	8.40
		-8.91	-1.90e-03	2.36e-04	0.0	240.0	4.36	-7.58	-1.30e-03	0.02	-1.90e-03	-8.91

237	234	10.54	2.32e-03	-1.04e-03	-0.75	0.0	-5.19	8.48	8.10e-04	-0.05	3.71e-04	-8.91
		-8.91	3.71e-04	-2.20e-04	0.0	240.0	-5.19	7.73	8.10e-04	-0.05	2.32e-03	10.54
238	7	0.24	-6.19e-03	-4.72e-06	-0.09	0.0	-0.45	0.19	-0.05	-0.10	-6.19e-03	0.20
		0.20	-0.02	1.22e-06	0.0	30.0	-0.45	0.10	-0.05	-0.10	-0.02	0.24
238	18	0.32	-0.01	-5.75e-06	-0.12	0.0	-0.71	0.23	-0.07	-0.16	-0.01	0.26
		0.26	-0.03	1.31e-06	0.0	30.0	-0.71	0.11	-0.07	-0.16	-0.03	0.32
238	35	0.32	5.42e-03	-6.13e-06	-0.12	0.0	0.08	0.23	9.43e-04	0.02	3.77e-03	0.27
		0.27	3.77e-03	1.67e-06	0.0	30.0	0.08	0.11	9.43e-04	0.02	5.42e-03	0.32
238	45	0.24	0.01	-1.48e-06	-0.09	0.0	0.41	0.14	0.02	0.06	5.51e-03	0.21
		0.21	5.51e-03	0.0	0.0	30.0	0.41	0.04	0.02	0.06	0.01	0.24
238	67	0.24	-4.03e-03	-3.92e-06	-0.09	0.0	-0.34	0.18	-0.03	-0.07	-4.03e-03	0.20
		0.20	-0.01	1.16e-06	0.0	30.0	-0.34	0.08	-0.03	-0.07	-0.01	0.24
238	75	0.24	-7.01e-03	-3.95e-06	-0.09	0.0	-0.49	0.17	-0.05	-0.11	-7.01e-03	0.20
		0.20	-0.02	0.0	0.0	30.0	-0.49	0.08	-0.05	-0.11	-0.02	0.24
238	83	0.25	3.46e-03	-4.21e-06	-0.09	0.0	0.04	0.17	-1.12e-04	0.01	2.54e-03	0.21
		0.21	2.54e-03	1.22e-06	0.0	30.0	0.04	0.08	-1.12e-04	0.01	3.46e-03	0.25
238	85	0.24	8.91e-03	-1.76e-06	-0.09	0.0	0.23	0.14	0.01	0.04	3.78e-03	0.21
		0.21	3.78e-03	0.0	0.0	30.0	0.23	0.05	0.01	0.04	8.91e-03	0.24
238	98	0.24	3.82e-04	-3.24e-06	-0.09	0.0	-0.14	0.17	-0.01	-0.01	3.82e-04	0.20
		0.20	-2.41e-03	1.23e-06	0.0	30.0	-0.14	0.07	-0.01	-0.01	-2.41e-03	0.24
238	101	0.24	3.78e-04	-3.27e-06	-0.09	0.0	-0.14	0.16	-0.01	-0.01	3.78e-04	0.21
		0.21	-2.41e-03	1.21e-06	0.0	30.0	-0.14	0.07	-0.01	-0.01	-2.41e-03	0.24
238	103	0.24	-1.12e-03	-3.09e-06	-0.09	0.0	-0.20	0.16	-0.02	-0.03	-1.12e-03	0.20
		0.20	-6.20e-03	1.13e-06	0.0	30.0	-0.20	0.07	-0.02	-0.03	-6.20e-03	0.24
238	104	0.24	9.75e-04	-1.89e-06	-0.09	0.0	-0.05	0.14	-3.66e-03	-1.38e-03	9.75e-04	0.21
		0.21	4.33e-04	0.0	0.0	30.0	-0.05	0.05	-3.66e-03	-1.38e-03	4.33e-04	0.24
238	105	0.24	1.07e-03	-3.02e-06	-0.09	0.0	-0.06	0.16	-6.38e-03	-3.83e-03	1.07e-03	0.21
		0.21	-1.92e-04	1.16e-06	0.0	30.0	-0.06	0.07	-6.38e-03	-3.83e-03	-1.92e-04	0.24
238	106	0.24	2.75e-04	-1.92e-06	-0.09	0.0	-0.12	0.14	-7.97e-03	-0.01	2.75e-04	0.21
		0.21	-1.69e-03	0.0	0.0	30.0	-0.12	0.05	-7.97e-03	-0.01	-1.69e-03	0.24
238	107	0.24	3.66e-04	-3.05e-06	-0.09	0.0	-0.14	0.16	-0.01	-0.01	3.66e-04	0.21
		0.21	-2.31e-03	1.19e-06	0.0	30.0	-0.14	0.07	-0.01	-0.01	-2.31e-03	0.24
238	108	0.03	3.06e-05	-1.00e-04	-0.09	0.0	1.33	2.24	-0.01	-3.90e-03	3.06e-05	-0.62
		-0.62	-2.93e-03	1.23e-04	0.0	30.0	1.33	2.15	-0.01	-3.90e-03	-2.93e-03	0.03
238	111	1.03	7.02e-04	9.41e-05	-0.09	0.0	-1.60	-1.92	-6.40e-03	-0.02	7.02e-04	1.03
		0.44	-1.69e-03	-1.20e-04	0.0	30.0	-1.60	-2.01	-6.40e-03	-0.02	-1.69e-03	0.44
238	114	1.02	8.23e-04	9.22e-05	-0.09	0.0	-3.11	-1.91	-5.73e-03	-0.02	8.23e-04	1.02
		0.43	-1.20e-03	-1.20e-04	0.0	30.0	-3.11	-2.01	-5.73e-03	-0.02	-1.20e-03	0.43
238	133	0.12	5.79e-06	-5.77e-05	-0.09	0.0	3.47	1.60	-0.02	-0.02	5.79e-06	-0.35
		-0.35	-3.65e-03	1.91e-05	0.0	30.0	3.47	1.51	-0.02	-0.02	-3.65e-03	0.12
238	134	0.76	7.27e-04	5.16e-05	-0.09	0.0	-3.74	-1.28	-5.25e-03	-9.87e-03	7.27e-04	0.76
		0.36	-9.75e-04	-1.67e-05	0.0	30.0	-3.74	-1.37	-5.25e-03	-9.87e-03	-9.75e-04	0.36
238	140	8.73e-03	-1.19e-05	-1.12e-04	-0.09	0.0	1.52	2.50	-0.02	-2.72e-03	-1.19e-05	-0.73
		-0.73	-3.01e-03	1.38e-04	0.0	30.0	1.52	2.41	-0.02	-2.72e-03	-3.01e-03	8.73e-03
238	143	1.14	7.45e-04	1.06e-04	-0.09	0.0	-1.79	-2.18	-5.87e-03	-0.02	7.45e-04	1.14
		0.47	-1.61e-03	-1.36e-04	0.0	30.0	-1.79	-2.27	-5.87e-03	-0.02	-1.61e-03	0.47
238	146	1.12	8.81e-04	1.04e-04	-0.09	0.0	-3.48	-2.17	-5.12e-03	-0.02	8.81e-04	1.12
		0.46	-1.06e-03	-1.36e-04	0.0	30.0	-3.48	-2.27	-5.12e-03	-0.02	-1.06e-03	0.46
238	165	0.10	-3.82e-05	-6.45e-05	-0.09	0.0	3.92	1.78	-0.02	-0.02	-3.82e-05	-0.42
		-0.42	-3.81e-03	2.11e-05	0.0	30.0	3.92	1.69	-0.02	-0.02	-3.81e-03	0.10
238	166	0.83	7.71e-04	5.84e-05	-0.09	0.0	-4.19	-1.46	-4.58e-03	-9.43e-03	7.71e-04	0.83
		0.38	-8.09e-04	-1.87e-05	0.0	30.0	-4.19	-1.55	-4.58e-03	-9.43e-03	-8.09e-04	0.38
238	172	0.02	-8.96e-06	-1.09e-04	-0.09	0.0	1.43	2.39	-0.02	-3.09e-03	-8.96e-06	-0.68
		-0.68	-2.97e-03	1.36e-04	0.0	30.0	1.43	2.29	-0.02	-3.09e-03	-2.97e-03	0.02
238	175	1.09	7.42e-04	1.03e-04	-0.09	0.0	-1.70	-2.06	-6.13e-03	-0.02	7.42e-04	1.09
		0.46	-1.65e-03	-1.34e-04	0.0	30.0	-1.70	-2.16	-6.13e-03	-0.02	-1.65e-03	0.46
238	178	1.08	8.71e-04	1.01e-04	-0.09	0.0	-3.36	-2.06	-5.35e-03	-0.02	8.71e-04	1.08
		0.45	-1.13e-03	-1.34e-04	0.0	30.0	-3.36	-2.15	-5.35e-03	-0.02	-1.13e-03	0.45
238	197	0.11	-2.36e-05	-6.37e-05	-0.09	0.0	3.84	1.71	-0.02	-0.02	-2.36e-05	-0.39
		-0.39	-3.77e-03	1.86e-05	0.0	30.0	3.84	1.62	-0.02	-0.02	-3.77e-03	0.11
238	198	0.80	7.56e-04	5.76e-05	-0.09	0.0	-4.11	-1.39	-4.76e-03	-9.38e-03	7.56e-04	0.80
		0.37	-8.52e-04	-1.62e-05	0.0	30.0	-4.11	-1.48	-4.76e-03	-9.38e-03	-8.52e-04	0.37
238	204	-0.01	-7.28e-05	-1.26e-04	-0.09	0.0	1.66	2.71	-0.02	-1.50e-03	-7.28e-05	-0.81
		-0.81	-3.06e-03	1.59e-04	0.0	30.0	1.66	2.62	-0.02	-1.50e-03	-3.06e-03	-0.01
238	207	1.22	8.06e-04	1.20e-04	-0.09	0.0	-1.93	-2.39	-5.46e-03	-0.03	8.06e-04	1.22
		0.49	-1.56e-03	-1.57e-04	0.0	30.0	-1.93	-2.48	-5.46e-03	-0.03	-1.56e-03	0.49
238	210	1.21	9.58e-04	1.17e-04	-0.09	0.0	-3.84	-2.38	-4.53e-03	-0.02	9.58e-04	1.21
		0.48	-9.53e-04	-1.57e-04	0.0	30.0	-3.84	-2.48	-4.53e-03	-0.02	-9.53e-04	0.48
238	229	0.09	-9.08e-05	-7.33e-05	-0.09	0.0	4.47	1.95	-0.02	-0.02	-9.08e-05	-0.48
		-0.48	-4.00e-03	2.02e-05	0.0	30.0	4.47	1.85	-0.02	-0.02	-4.00e-03	0.09
238	230	0.89	8.23e-04	6.72e-05	-0.09	0.0	-4.74	-1.62	-3.79e-03	-8.65e-03	8.23e-04	0.89
		0.39	-6.17e-04	-1.78e-05	0.0	30.0	-4.74	-1.72	-3.79e-03	-8.65e-03	-6.17e-04	0.39
239	18	0.32	-0.01	-1.94e-06	-0.12	0.0	-0.86	0.07	0.12	0.08	-0.04	0.32
		0.32	-0.04	0.0	0.0	30.0	-0.86	-0.05	0.12	0.08	-0.01	0.32
239	19	0.23	-0.01	0.0	-0.09	0.0	-0.73	0.02	0.11	0.08	-0.03	0.23

		0.23	-0.03	0.0	0.0	30.0	-0.73	-0.07	0.11	0.08	-0.01	0.23
239	28	0.33	6.55e-03	-2.40e-06	-0.12	0.0	0.03	0.09	-0.02	-0.03	6.55e-03	0.32
		0.32	4.63e-03	1.42e-06	0.0	30.0	0.03	-0.03	-0.02	-0.03	4.63e-03	0.33
239	45	0.24	0.02	1.24e-06	-0.09	0.0	0.40	0.03	-0.05	-0.04	0.02	0.24
		0.23	5.88e-03	0.0	0.0	30.0	0.40	-0.06	-0.05	-0.04	5.88e-03	0.23
239	72	0.24	-7.04e-03	0.0	-0.09	0.0	-0.55	0.02	0.08	0.05	-0.02	0.23
		0.23	-0.02	0.0	0.0	30.0	-0.55	-0.07	0.08	0.05	-7.04e-03	0.23
239	75	0.24	-6.72e-03	-1.06e-06	-0.09	0.0	-0.59	0.05	0.08	0.05	-0.02	0.24
		0.24	-0.02	0.0	0.0	30.0	-0.59	-0.05	0.08	0.05	-6.72e-03	0.24
239	83	0.25	4.29e-03	-1.31e-06	-0.09	0.0	1.39e-03	0.05	-0.01	-0.02	4.29e-03	0.25
		0.25	3.13e-03	0.0	0.0	30.0	1.39e-03	-0.04	-0.01	-0.02	3.13e-03	0.25
239	85	0.24	0.01	0.0	-0.09	0.0	0.21	0.03	-0.03	-0.03	0.01	0.24
		0.23	4.14e-03	0.0	0.0	30.0	0.21	-0.06	-0.03	-0.03	4.14e-03	0.23
239	101	0.24	8.31e-04	0.0	-0.09	0.0	-0.19	0.05	0.01	-3.12e-03	-2.27e-03	0.24
		0.24	-2.27e-03	0.0	0.0	30.0	-0.19	-0.05	0.01	-3.12e-03	8.31e-04	0.24
239	102	0.24	-9.27e-04	0.0	-0.09	0.0	-0.24	0.03	0.02	8.63e-03	-5.92e-03	0.24
		0.23	-5.92e-03	0.0	0.0	30.0	-0.24	-0.07	0.02	8.63e-03	-9.27e-04	0.23
239	103	0.24	-7.32e-04	0.0	-0.09	0.0	-0.26	0.04	0.02	8.17e-03	-6.53e-03	0.24
		0.24	-6.53e-03	0.0	0.0	30.0	-0.26	-0.05	0.02	8.17e-03	-7.32e-04	0.24
239	104	0.24	1.31e-03	0.0	-0.09	0.0	-0.09	0.03	-7.36e-04	-8.30e-03	7.76e-04	0.24
		0.23	7.76e-04	0.0	0.0	30.0	-0.09	-0.07	-7.36e-04	-8.30e-03	1.31e-03	0.23
239	105	0.24	1.50e-03	0.0	-0.09	0.0	-0.11	0.05	1.94e-03	-8.76e-03	1.72e-04	0.24
		0.24	1.72e-04	0.0	0.0	30.0	-0.11	-0.05	1.94e-03	-8.76e-03	1.50e-03	0.24
239	106	0.24	6.01e-04	0.0	-0.09	0.0	-0.16	0.03	6.99e-03	-2.65e-03	-1.57e-03	0.24
		0.23	-1.57e-03	0.0	0.0	30.0	-0.16	-0.07	6.99e-03	-2.65e-03	6.01e-04	0.23
239	107	0.24	7.95e-04	0.0	-0.09	0.0	-0.19	0.04	9.67e-03	-3.11e-03	-2.18e-03	0.24
		0.24	-2.18e-03	0.0	0.0	30.0	-0.19	-0.05	9.67e-03	-3.11e-03	7.95e-04	0.24
239	113	0.68	9.18e-04	-9.19e-05	-0.09	0.0	-1.46	2.14	0.01	-9.16e-04	-2.52e-03	0.05
		0.05	-2.52e-03	1.66e-04	0.0	30.0	-1.46	2.05	0.01	-9.16e-04	9.18e-04	0.68
239	114	0.43	6.72e-04	9.15e-05	-0.09	0.0	1.08	-2.05	8.16e-03	-5.31e-03	-1.83e-03	0.43
		-0.20	-1.83e-03	-1.64e-04	0.0	30.0	1.08	-2.15	8.16e-03	-5.31e-03	6.72e-04	-0.20
239	124	0.52	2.24e-03	-5.99e-05	-0.09	0.0	-3.63	1.49	0.02	0.02	-4.25e-03	0.08
		0.08	-4.25e-03	3.11e-05	0.0	30.0	-3.63	1.39	0.02	0.02	2.24e-03	0.52
239	127	0.40	-1.00e-04	5.95e-05	-0.09	0.0	3.25	-1.40	-2.05e-03	-0.03	-1.00e-04	0.40
		-0.04	-6.50e-04	-2.92e-05	0.0	30.0	3.25	-1.49	-2.05e-03	-0.03	-6.50e-04	-0.04
239	132	0.26	2.30e-03	4.74e-06	-0.09	0.0	-2.94	-0.34	0.02	0.03	-4.63e-03	0.26
		0.14	-4.63e-03	7.22e-05	0.0	30.0	-2.94	-0.44	0.02	0.03	2.30e-03	0.14
239	145	0.73	9.34e-04	-1.04e-04	-0.09	0.0	-1.62	2.41	0.01	-6.35e-04	-2.57e-03	0.02
		0.02	-2.57e-03	1.86e-04	0.0	30.0	-1.62	2.31	0.01	-6.35e-04	9.34e-04	0.73
239	146	0.46	6.56e-04	1.03e-04	-0.09	0.0	1.24	-2.32	7.96e-03	-5.59e-03	-1.79e-03	0.46
		-0.25	-1.79e-03	-1.84e-04	0.0	30.0	1.24	-2.41	7.96e-03	-5.59e-03	6.56e-04	-0.25
239	156	0.55	2.42e-03	-6.74e-05	-0.09	0.0	-4.05	1.67	0.02	0.03	-4.51e-03	0.06
		0.06	-4.51e-03	3.47e-05	0.0	30.0	-4.05	1.57	0.02	0.03	2.42e-03	0.55
239	159	0.42	1.58e-04	6.70e-05	-0.09	0.0	3.68	-1.58	-3.50e-03	-0.03	1.58e-04	0.42
		-0.07	-8.30e-04	-3.27e-05	0.0	30.0	3.68	-1.67	-3.50e-03	-0.03	-8.30e-04	-0.07
239	164	0.26	2.48e-03	5.30e-06	-0.09	0.0	-3.29	-0.39	0.02	0.03	-4.93e-03	0.26
		0.12	-4.93e-03	8.14e-05	0.0	30.0	-3.29	-0.48	0.02	0.03	2.48e-03	0.12
239	177	0.71	9.41e-04	-1.01e-04	-0.09	0.0	-1.57	2.29	0.01	-9.35e-04	-2.56e-03	0.03
		0.03	-2.56e-03	1.82e-04	0.0	30.0	-1.57	2.20	0.01	-9.35e-04	9.41e-04	0.71
239	178	0.45	6.50e-04	1.00e-04	-0.09	0.0	1.19	-2.20	7.95e-03	-5.29e-03	-1.79e-03	0.45
		-0.23	-1.79e-03	-1.80e-04	0.0	30.0	1.19	-2.30	7.95e-03	-5.29e-03	6.50e-04	-0.23
239	188	0.54	2.39e-03	-6.62e-05	-0.09	0.0	-3.98	1.60	0.02	0.03	-4.46e-03	0.07
		0.07	-4.46e-03	3.14e-05	0.0	30.0	-3.98	1.50	0.02	0.03	2.39e-03	0.54
239	191	0.41	1.05e-04	6.57e-05	-0.09	0.0	3.61	-1.51	-3.23e-03	-0.03	1.05e-04	0.41
		-0.06	-8.00e-04	-2.95e-05	0.0	30.0	3.61	-1.60	-3.23e-03	-0.03	-8.00e-04	-0.06
239	196	0.26	2.46e-03	6.25e-06	-0.09	0.0	-3.19	-0.38	0.02	0.03	-4.91e-03	0.26
		0.12	-4.91e-03	8.25e-05	0.0	30.0	-3.19	-0.48	0.02	0.03	2.46e-03	0.12
239	209	0.78	9.72e-04	-1.16e-04	-0.09	0.0	-1.78	2.62	0.01	-6.84e-04	-2.63e-03	1.60e-03
		1.60e-03	-2.63e-03	2.11e-04	0.0	30.0	-1.78	2.53	0.01	-6.84e-04	9.72e-04	0.78
239	210	0.48	6.18e-04	1.16e-04	-0.09	0.0	1.40	-2.53	7.62e-03	-5.54e-03	-1.72e-03	0.48
		-0.30	-1.72e-03	-2.09e-04	0.0	30.0	1.40	-2.62	7.62e-03	-5.54e-03	6.18e-04	-0.30
239	220	0.58	2.65e-03	-7.65e-05	-0.09	0.0	-4.59	1.83	0.02	0.03	-4.82e-03	0.04
		0.04	-4.82e-03	3.50e-05	0.0	30.0	-4.59	1.73	0.02	0.03	2.65e-03	0.58
239	223	0.44	4.69e-04	7.61e-05	-0.09	0.0	4.21	-1.74	-5.30e-03	-0.04	4.69e-04	0.44
		-0.10	-1.06e-03	-3.30e-05	0.0	30.0	4.21	-1.83	-5.30e-03	-0.04	-1.06e-03	-0.10
239	228	0.26	2.74e-03	7.56e-06	-0.09	0.0	-3.67	-0.45	0.03	0.04	-5.36e-03	0.26
		0.11	-5.36e-03	9.74e-05	0.0	30.0	-3.67	-0.55	0.03	0.04	2.74e-03	0.11
240	4	2.26	3.68e-03	3.31e-04	-0.98	0.0	-0.85	-1.52	4.21e-03	0.15	-6.43e-03	2.26
		-2.57	-6.43e-03	1.39e-05	0.0	240.0	-0.85	-2.50	4.21e-03	0.15	3.68e-03	-2.57
240	18	2.15	5.55e-03	3.24e-04	-0.98	0.0	-1.08	-1.39	7.27e-03	0.26	-0.01	2.15
		-2.37	-0.01	1.19e-05	0.0	240.0	-1.08	-2.37	7.27e-03	0.26	5.55e-03	-2.37
240	19	1.34	5.15e-03	2.30e-04	-0.75	0.0	-0.91	-0.75	7.42e-03	0.25	-0.01	1.34
		-1.37	-0.01	5.65e-06	0.0	240.0	-0.91	-1.51	7.42e-03	0.25	5.15e-03	-1.37
240	28	2.26	5.27e-03	3.31e-04	-0.98	0.0	-0.13	-1.54	-2.52e-03	-0.07	5.27e-03	2.26
		-2.61	-7.79e-04	1.34e-05	0.0	240.0	-0.13	-2.52	-2.52e-03	-0.07	-7.79e-04	-2.61

240	44	2.14	7.60e-03	3.23e-04	-0.98	0.0	0.12	-1.42	-3.95e-03	-0.12	7.60e-03	2.14
		-2.44	-1.88e-03	1.10e-05	0.0	240.0	0.12	-2.40	-3.95e-03	-0.12	-1.88e-03	-2.44
240	45	1.33	6.82e-03	2.29e-04	-0.75	0.0	0.30	-0.78	-3.80e-03	-0.13	6.82e-03	1.33
		-1.44	-2.29e-03	4.75e-06	0.0	240.0	0.30	-1.53	-3.80e-03	-0.13	-2.29e-03	-1.44
240	68	1.67	2.47e-03	2.51e-04	-0.75	0.0	-0.60	-1.11	2.79e-03	0.10	-4.23e-03	1.67
		-1.88	-4.23e-03	1.01e-05	0.0	240.0	-0.60	-1.86	2.79e-03	0.10	2.47e-03	-1.88
240	72	1.36	3.53e-03	2.31e-04	-0.75	0.0	-0.71	-0.78	4.89e-03	0.17	-8.20e-03	1.36
		-1.42	-8.20e-03	6.49e-06	0.0	240.0	-0.71	-1.54	4.89e-03	0.17	3.53e-03	-1.42
240	75	1.59	3.72e-03	2.46e-04	-0.75	0.0	-0.76	-1.02	4.83e-03	0.17	-7.87e-03	1.59
		-1.75	-7.87e-03	8.82e-06	0.0	240.0	-0.76	-1.77	4.83e-03	0.17	3.72e-03	-1.75
240	80	1.67	3.57e-03	2.50e-04	-0.75	0.0	-0.12	-1.11	-1.70e-03	-0.05	3.57e-03	1.67
		-1.91	-5.01e-04	9.77e-06	0.0	240.0	-0.12	-1.87	-1.70e-03	-0.05	-5.01e-04	-1.91
240	85	1.36	4.79e-03	2.31e-04	-0.75	0.0	0.09	-0.80	-2.59e-03	-0.08	4.79e-03	1.36
		-1.46	-1.43e-03	5.89e-06	0.0	240.0	0.09	-1.55	-2.59e-03	-0.08	-1.43e-03	-1.46
240	88	1.59	5.13e-03	2.45e-04	-0.75	0.0	0.05	-1.03	-2.65e-03	-0.08	5.13e-03	1.59
		-1.80	-1.24e-03	8.22e-06	0.0	240.0	0.05	-1.79	-2.65e-03	-0.08	-1.24e-03	-1.80
240	98	1.55	8.92e-04	2.43e-04	-0.75	0.0	-0.32	-0.99	-2.05e-04	1.53e-03	8.92e-04	1.55
		-1.73	3.99e-04	9.62e-06	0.0	240.0	-0.32	-1.74	-2.05e-04	1.53e-03	3.99e-04	-1.73
240	102	1.36	9.02e-04	2.30e-04	-0.75	0.0	-0.38	-0.79	8.42e-04	0.03	-1.12e-03	1.36
		-1.44	-1.12e-03	7.44e-06	0.0	240.0	-0.38	-1.54	8.42e-04	0.03	9.02e-04	-1.44
240	103	1.52	1.03e-03	2.41e-04	-0.75	0.0	-0.40	-0.96	8.11e-04	0.04	-9.13e-04	1.52
		-1.68	-9.13e-04	9.10e-06	0.0	240.0	-0.40	-1.71	8.11e-04	0.04	1.03e-03	-1.68
240	104	1.36	1.48e-03	2.30e-04	-0.75	0.0	-0.22	-0.79	-6.54e-04	-0.02	1.48e-03	1.36
		-1.45	-8.93e-05	7.32e-06	0.0	240.0	-0.22	-1.55	-6.54e-04	-0.02	-8.93e-05	-1.45
240	105	1.52	1.69e-03	2.41e-04	-0.75	0.0	-0.24	-0.96	-6.85e-04	-0.02	1.69e-03	1.52
		-1.69	4.23e-05	8.98e-06	0.0	240.0	-0.24	-1.71	-6.85e-04	-0.02	4.23e-05	-1.69
240	106	1.36	6.53e-04	2.30e-04	-0.75	0.0	-0.30	-0.79	-1.70e-04	9.04e-04	6.53e-04	1.36
		-1.44	2.45e-04	7.67e-06	0.0	240.0	-0.30	-1.54	-1.70e-04	9.04e-04	2.45e-04	-1.44
240	107	1.52	8.58e-04	2.41e-04	-0.75	0.0	-0.32	-0.96	-2.00e-04	1.44e-03	8.58e-04	1.52
		-1.69	3.77e-04	9.34e-06	0.0	240.0	-0.32	-1.71	-2.00e-04	1.44e-03	3.77e-04	-1.69
240	108	12.11	1.56e-03	8.91e-04	-0.75	0.0	-2.68	-11.14	-4.97e-04	0.02	1.56e-03	12.11
		-15.54	2.30e-04	1.10e-03	0.0	240.0	-2.68	-11.90	-4.97e-04	0.02	2.30e-04	-15.54
240	111	12.17	5.24e-04	-4.61e-04	-0.75	0.0	2.04	9.22	9.57e-05	-0.02	1.55e-04	-9.07
		-9.07	1.55e-04	-1.08e-03	0.0	240.0	2.04	8.47	9.57e-05	-0.02	5.24e-04	12.17
240	124	9.02	1.34e-03	6.60e-04	-0.75	0.0	-3.97	-8.17	6.70e-05	0.04	1.34e-03	9.02
		-11.48	1.03e-03	1.72e-04	0.0	240.0	-3.97	-8.92	6.70e-05	0.04	1.03e-03	-11.48
240	127	8.11	3.78e-04	-2.35e-04	-0.75	0.0	3.33	6.25	-4.68e-04	-0.03	3.78e-04	-5.98
		-5.98	-2.80e-04	-1.54e-04	0.0	240.0	3.33	5.50	-4.68e-04	-0.03	-2.80e-04	8.11
240	133	8.95	1.74e-03	6.46e-04	-0.75	0.0	1.64	-8.11	-1.06e-03	-0.03	1.74e-03	8.95
		-11.42	-8.26e-04	2.08e-04	0.0	240.0	1.64	-8.86	-1.06e-03	-0.03	-8.26e-04	-11.42
240	137	8.23	1.74e-03	6.10e-04	-0.75	0.0	1.76	-7.42	-1.06e-03	-0.03	1.74e-03	8.23
		-10.47	-8.20e-04	2.22e-04	0.0	240.0	1.76	-8.17	-1.06e-03	-0.03	-8.20e-04	-10.47
240	140	13.43	1.65e-03	9.73e-04	-0.75	0.0	-2.97	-12.41	-5.34e-04	0.02	1.65e-03	13.43
		-17.27	2.11e-04	1.24e-03	0.0	240.0	-2.97	-13.17	-5.34e-04	0.02	2.11e-04	-17.27
240	143	13.89	5.43e-04	-5.43e-04	-0.75	0.0	2.33	10.49	1.33e-04	-0.02	6.85e-05	-10.39
		-10.39	6.85e-05	-1.22e-03	0.0	240.0	2.33	9.74	1.33e-04	-0.02	5.43e-04	13.89
240	156	9.95	1.40e-03	7.14e-04	-0.75	0.0	-4.42	-9.06	9.91e-05	0.04	1.40e-03	9.95
		-12.69	1.12e-03	1.91e-04	0.0	240.0	-4.42	-9.81	9.91e-05	0.04	1.12e-03	-12.69
240	159	9.32	3.21e-04	-2.89e-04	-0.75	0.0	3.78	7.14	-5.00e-04	-0.04	3.21e-04	-6.91
		-6.91	-3.61e-04	-1.73e-04	0.0	240.0	3.78	6.39	-5.00e-04	-0.04	-3.61e-04	9.32
240	165	9.87	1.85e-03	6.99e-04	-0.75	0.0	1.88	-8.99	-1.17e-03	-0.04	1.85e-03	9.87
		-12.62	-9.76e-04	2.31e-04	0.0	240.0	1.88	-9.75	-1.17e-03	-0.04	-9.76e-04	-12.62
240	169	9.04	1.85e-03	6.57e-04	-0.75	0.0	2.02	-8.20	-1.16e-03	-0.04	1.85e-03	9.04
		-11.54	-9.69e-04	2.49e-04	0.0	240.0	2.02	-8.95	-1.16e-03	-0.04	-9.69e-04	-11.54
240	172	12.81	1.59e-03	9.28e-04	-0.75	0.0	-2.90	-11.82	-5.08e-04	0.02	1.59e-03	12.81
		-16.46	2.34e-04	1.22e-03	0.0	240.0	-2.90	-12.57	-5.08e-04	0.02	2.34e-04	-16.46
240	175	13.09	5.20e-04	-4.99e-04	-0.75	0.0	2.26	9.90	1.07e-04	-0.02	1.29e-04	-9.78
		-9.78	1.29e-04	-1.20e-03	0.0	240.0	2.26	9.15	1.07e-04	-0.02	5.20e-04	13.09
240	188	9.58	1.34e-03	7.00e-04	-0.75	0.0	-4.35	-8.70	8.43e-05	0.04	1.34e-03	9.58
		-12.21	1.10e-03	1.69e-04	0.0	240.0	-4.35	-9.45	8.43e-05	0.04	1.10e-03	-12.21
240	191	8.83	3.73e-04	-2.74e-04	-0.75	0.0	3.71	6.78	-4.85e-04	-0.04	3.73e-04	-6.54
		-6.54	-3.44e-04	-1.50e-04	0.0	240.0	3.71	6.03	-4.85e-04	-0.04	-3.44e-04	8.83
240	197	9.50	1.81e-03	6.91e-04	-0.75	0.0	1.83	-8.64	-1.14e-03	-0.03	1.81e-03	9.50
		-12.14	-9.50e-04	2.08e-04	0.0	240.0	1.83	-9.39	-1.14e-03	-0.03	-9.50e-04	-12.14
240	204	14.44	1.68e-03	1.02e-03	-0.75	0.0	-3.31	-13.39	-5.46e-04	0.02	1.68e-03	14.44
		-18.59	2.22e-04	1.42e-03	0.0	240.0	-3.31	-14.14	-5.46e-04	0.02	2.22e-04	-18.59
240	207	15.22	5.32e-04	-5.95e-04	-0.75	0.0	2.67	11.47	1.45e-04	-0.02	3.45e-05	-11.40
		-11.40	3.45e-05	-1.40e-03	0.0	240.0	2.67	10.71	1.45e-04	-0.02	5.32e-04	15.22
240	220	10.78	1.41e-03	7.71e-04	-0.75	0.0	-5.00	-9.85	1.28e-04	0.05	1.41e-03	10.78
		-13.77	1.21e-03	1.84e-04	0.0	240.0	-5.00	-10.60	1.28e-04	0.05	1.21e-03	-13.77
240	223	10.40	3.10e-04	-3.46e-04	-0.75	0.0	4.35	7.93	-5.29e-04	-0.04	3.10e-04	-7.74
		-7.74	-4.60e-04	-1.66e-04	0.0	240.0	4.35	7.18	-5.29e-04	-0.04	-4.60e-04	10.40
240	229	10.68	1.96e-03	7.65e-04	-0.75	0.0	2.17	-9.78	-1.29e-03	-0.04	1.96e-03	10.68
		-13.70	-1.16e-03	2.30e-04	0.0	240.0	2.17	-10.54	-1.29e-03	-0.04	-1.16e-03	-13.70
241	4	0.54	5.47e-03	-1.24e-06	-0.16	0.0	-0.66	0.52	0.04	0.12	1.93e-04	0.37

		0.37	1.93e-04	2.31e-06	0.0	40.0	-0.66	0.36	0.04	0.12	5.47e-03	0.54
241	18	0.53	5.01e-03	3.12e-06	-0.16	0.0	-0.80	0.54	0.06	0.21	-1.70e-04	0.35
		0.35	-1.70e-04	1.87e-06	0.0	40.0	-0.80	0.38	0.06	0.21	5.01e-03	0.53
241	19	0.40	2.06e-03	1.04e-05	-0.13	0.0	-0.50	0.44	0.05	0.21	-5.19e-04	0.25
		0.25	-5.19e-04	0.0	0.0	40.0	-0.50	0.32	0.05	0.21	2.06e-03	0.40
241	21	0.39	3.57e-03	2.91e-06	-0.13	0.0	-0.67	0.42	0.06	0.21	-3.08e-04	0.25
		0.25	-3.08e-04	1.27e-06	0.0	40.0	-0.67	0.29	0.06	0.21	3.57e-03	0.39
241	33	0.61	2.78e-03	8.20e-06	-0.16	0.0	0.15	0.55	-6.65e-03	-0.06	5.32e-04	0.43
		0.43	5.32e-04	1.79e-06	0.0	40.0	0.15	0.38	-6.65e-03	-0.06	2.78e-03	0.61
241	45	0.47	4.73e-04	9.00e-06	-0.13	0.0	0.59	0.41	-0.02	-0.10	4.73e-04	0.33
		0.33	1.70e-04	0.0	0.0	40.0	0.59	0.29	-0.02	-0.10	1.70e-04	0.47
241	68	0.42	3.77e-03	1.30e-06	-0.13	0.0	-0.43	0.41	0.03	0.08	1.41e-04	0.28
		0.28	1.41e-04	1.69e-06	0.0	40.0	-0.43	0.28	0.03	0.08	3.77e-03	0.42
241	72	0.42	2.06e-03	9.50e-06	-0.13	0.0	-0.34	0.44	0.04	0.14	-2.72e-04	0.27
		0.27	-2.72e-04	0.0	0.0	40.0	-0.34	0.31	0.04	0.14	2.06e-03	0.42
241	74	0.41	3.07e-03	4.50e-06	-0.13	0.0	-0.46	0.42	0.04	0.14	-1.31e-04	0.27
		0.27	-1.31e-04	1.32e-06	0.0	40.0	-0.46	0.29	0.04	0.14	3.07e-03	0.41
241	75	0.42	3.47e-03	3.68e-06	-0.13	0.0	-0.52	0.42	0.04	0.14	-1.02e-04	0.27
		0.27	-1.02e-04	1.39e-06	0.0	40.0	-0.52	0.29	0.04	0.14	3.47e-03	0.42
241	81	0.47	1.98e-03	7.06e-06	-0.13	0.0	0.12	0.42	-4.05e-03	-0.04	3.67e-04	0.32
		0.32	3.67e-04	1.34e-06	0.0	40.0	0.12	0.30	-4.05e-03	-0.04	1.98e-03	0.47
241	85	0.46	8.02e-04	8.56e-06	-0.13	0.0	0.38	0.42	-0.01	-0.07	3.90e-04	0.32
		0.32	3.90e-04	1.10e-06	0.0	40.0	0.38	0.29	-0.01	-0.07	8.02e-04	0.46
241	101	0.44	2.77e-03	4.29e-06	-0.13	0.0	-0.12	0.41	7.04e-03	1.34e-03	3.16e-04	0.30
		0.30	3.16e-04	1.66e-06	0.0	40.0	-0.12	0.28	7.04e-03	1.34e-03	2.77e-03	0.44
241	102	0.44	1.81e-03	9.02e-06	-0.13	0.0	-0.06	0.42	0.01	0.03	9.26e-05	0.30
		0.30	9.26e-05	1.26e-06	0.0	40.0	-0.06	0.30	0.01	0.03	1.81e-03	0.44
241	103	0.43	2.67e-03	4.74e-06	-0.13	0.0	-0.16	0.41	0.01	0.03	2.13e-04	0.29
		0.29	2.13e-04	1.56e-06	0.0	40.0	-0.16	0.28	0.01	0.03	2.67e-03	0.43
241	104	0.45	1.56e-03	8.83e-06	-0.13	0.0	0.08	0.42	1.14e-03	-0.01	2.25e-04	0.31
		0.31	2.25e-04	1.29e-06	0.0	40.0	0.08	0.30	1.14e-03	-0.01	1.56e-03	0.45
241	106	0.45	1.75e-03	8.90e-06	-0.13	0.0	4.95e-03	0.42	4.71e-03	1.04e-03	1.84e-04	0.30
		0.30	1.84e-04	1.33e-06	0.0	40.0	4.95e-03	0.30	4.71e-03	1.04e-03	1.75e-03	0.45
241	107	0.44	2.61e-03	4.62e-06	-0.13	0.0	-0.09	0.41	6.65e-03	1.31e-03	3.04e-04	0.30
		0.30	3.04e-04	1.63e-06	0.0	40.0	-0.09	0.28	6.65e-03	1.31e-03	2.61e-03	0.44
241	113	1.28	3.72e-03	-2.16e-04	-0.13	0.0	2.41	2.75	8.61e-03	-0.01	6.32e-04	0.15
		0.15	6.32e-04	1.87e-04	0.0	40.0	2.41	2.63	8.61e-03	-0.01	3.72e-03	1.28
241	114	0.45	1.50e-03	2.25e-04	-0.13	0.0	-2.60	-1.94	4.70e-03	0.02	-2.45e-05	0.45
		-0.41	-2.45e-05	-1.84e-04	0.0	40.0	-2.60	-2.07	4.70e-03	0.02	1.50e-03	-0.41
241	124	1.03	0.01	-1.51e-04	-0.13	0.0	-2.01	2.02	0.03	0.03	-1.49e-03	0.31
		0.31	-1.49e-03	2.67e-05	0.0	40.0	-2.01	1.89	0.03	0.03	0.01	1.03
241	127	0.29	2.10e-03	1.60e-04	-0.13	0.0	1.82	-1.21	-0.02	-0.02	2.10e-03	0.29
		-0.15	-5.07e-03	-2.34e-05	0.0	40.0	1.82	-1.33	-0.02	-0.02	-5.07e-03	-0.15
241	133	1.05	1.92e-03	-1.29e-04	-0.13	0.0	3.35	2.01	-6.01e-03	-0.03	1.92e-03	0.32
		0.32	-8.67e-04	3.76e-05	0.0	40.0	3.35	1.89	-6.01e-03	-0.03	-8.67e-04	1.05
241	134	0.28	6.09e-03	1.38e-04	-0.13	0.0	-3.54	-1.20	0.02	0.04	-1.31e-03	0.28
		-0.18	-1.31e-03	-3.43e-05	0.0	40.0	-3.54	-1.33	0.02	0.04	6.09e-03	-0.18
241	145	1.39	3.86e-03	-2.44e-04	-0.13	0.0	2.73	3.05	8.85e-03	-0.02	6.73e-04	0.13
		0.13	6.73e-04	2.11e-04	0.0	40.0	2.73	2.92	8.85e-03	-0.02	3.86e-03	1.39
241	146	0.47	1.36e-03	2.53e-04	-0.13	0.0	-2.92	-2.24	4.45e-03	0.02	-6.54e-05	0.47
		-0.52	-6.54e-05	-2.07e-04	0.0	40.0	-2.92	-2.36	4.45e-03	0.02	1.36e-03	-0.52
241	156	1.10	0.01	-1.70e-04	-0.13	0.0	-2.25	2.22	0.03	0.03	-1.71e-03	0.31
		0.31	-1.71e-03	2.96e-05	0.0	40.0	-2.25	2.09	0.03	0.03	0.01	1.10
241	159	0.29	2.32e-03	1.80e-04	-0.13	0.0	2.06	-1.41	-0.02	-0.03	2.32e-03	0.29
		-0.23	-6.03e-03	-2.63e-05	0.0	40.0	2.06	-1.53	-0.02	-0.03	-6.03e-03	-0.23
241	165	1.13	2.12e-03	-1.46e-04	-0.13	0.0	3.78	2.21	-7.59e-03	-0.04	2.12e-03	0.32
		0.32	-1.30e-03	4.18e-05	0.0	40.0	3.78	2.09	-7.59e-03	-0.04	-1.30e-03	1.13
241	166	0.28	6.52e-03	1.55e-04	-0.13	0.0	-3.97	-1.40	0.02	0.04	-1.51e-03	0.28
		-0.25	-1.51e-03	-3.86e-05	0.0	40.0	-3.97	-1.53	0.02	0.04	6.52e-03	-0.25
241	177	1.34	3.74e-03	-2.31e-04	-0.13	0.0	2.69	2.93	8.55e-03	-0.02	6.72e-04	0.13
		0.13	6.72e-04	2.07e-04	0.0	40.0	2.69	2.81	8.55e-03	-0.02	3.74e-03	1.34
241	178	0.47	1.48e-03	2.41e-04	-0.13	0.0	-2.88	-2.12	4.76e-03	0.02	-6.40e-05	0.47
		-0.46	-6.40e-05	-2.03e-04	0.0	40.0	-2.88	-2.25	4.76e-03	0.02	1.48e-03	-0.46
241	188	1.07	0.01	-1.65e-04	-0.13	0.0	-2.21	2.15	0.03	0.03	-1.68e-03	0.31
		0.31	-1.68e-03	2.59e-05	0.0	40.0	-2.21	2.02	0.03	0.03	0.01	1.07
241	191	0.29	2.29e-03	1.74e-04	-0.13	0.0	2.02	-1.34	-0.02	-0.03	2.29e-03	0.29
		-0.19	-5.87e-03	-2.26e-05	0.0	40.0	2.02	-1.46	-0.02	-0.03	-5.87e-03	-0.19
241	197	1.10	2.09e-03	-1.44e-04	-0.13	0.0	3.71	2.14	-7.30e-03	-0.04	2.09e-03	0.32
		0.32	-1.21e-03	3.80e-05	0.0	40.0	3.71	2.02	-7.30e-03	-0.04	-1.21e-03	1.10
241	198	0.28	6.43e-03	1.53e-04	-0.13	0.0	-3.90	-1.33	0.02	0.04	-1.48e-03	0.28
		-0.22	-1.48e-03	-3.47e-05	0.0	40.0	-3.90	-1.46	0.02	0.04	6.43e-03	-0.22
241	209	1.47	3.87e-03	-2.65e-04	-0.13	0.0	3.15	3.31	8.71e-03	-0.02	7.33e-04	0.10
		0.10	7.33e-04	2.41e-04	0.0	40.0	3.15	3.19	8.71e-03	-0.02	3.87e-03	1.47
241	210	0.50	1.36e-03	2.74e-04	-0.13	0.0	-3.34	-2.50	4.60e-03	0.02	-1.25e-04	0.50
		-0.59	-1.25e-04	-2.37e-04	0.0	40.0	-3.34	-2.63	4.60e-03	0.02	1.36e-03	-0.59

241	220	1.16	0.01	-1.90e-04	-0.13	0.0	-2.54	2.41	0.04	0.03	-2.00e-03	0.32
		0.32	-2.00e-03	2.80e-05	0.0	40.0	-2.54	2.29	0.04	0.03	0.01	1.16
241	223	0.28	2.61e-03	1.99e-04	-0.13	0.0	2.36	-1.60	-0.02	-0.03	2.61e-03	0.28
		-0.29	-7.22e-03	-2.48e-05	0.0	40.0	2.36	-1.73	-0.02	-0.03	-7.22e-03	-0.29
241	229	1.19	2.38e-03	-1.68e-04	-0.13	0.0	4.33	2.41	-9.55e-03	-0.04	2.38e-03	0.32
		0.32	-1.82e-03	4.24e-05	0.0	40.0	4.33	2.28	-9.55e-03	-0.04	-1.82e-03	1.19
241	230	0.28	7.04e-03	1.77e-04	-0.13	0.0	-4.52	-1.60	0.02	0.04	-1.77e-03	0.28
		-0.32	-1.77e-03	-3.91e-05	0.0	40.0	-4.52	-1.72	0.02	0.04	7.04e-03	-0.32
242	7	0.40	-1.15e-03	1.69e-05	-0.13	0.0	-0.34	-0.76	0.02	0.10	-1.15e-03	0.40
		0.07	-4.38e-03	2.36e-06	0.0	40.0	-0.34	-0.89	0.02	0.10	-4.38e-03	0.07
242	22	0.40	-2.44e-03	1.82e-05	-0.13	0.0	-0.53	-0.63	0.05	0.16	-4.37e-03	0.40
		0.12	-4.37e-03	2.15e-06	0.0	40.0	-0.53	-0.75	0.05	0.16	-2.44e-03	0.12
242	33	0.61	5.08e-03	2.98e-05	-0.16	0.0	0.48	-0.70	-0.04	-0.04	5.08e-03	0.61
		0.30	-6.63e-03	2.08e-06	0.0	40.0	0.48	-0.86	-0.04	-0.04	-6.63e-03	0.30
242	41	0.60	5.01e-03	3.22e-05	-0.16	0.0	0.87	-0.75	-0.05	-0.07	5.01e-03	0.60
		0.27	-8.57e-03	1.49e-06	0.0	40.0	0.87	-0.91	-0.05	-0.07	-8.57e-03	0.27
242	43	0.59	6.52e-03	2.62e-05	-0.16	0.0	0.65	-0.95	-0.06	-0.07	6.52e-03	0.59
		0.17	-9.75e-03	2.18e-06	0.0	40.0	0.65	-1.12	-0.06	-0.07	-9.75e-03	0.17
242	44	0.60	7.11e-03	2.50e-05	-0.16	0.0	0.57	-0.94	-0.06	-0.07	7.11e-03	0.60
		0.19	-9.35e-03	2.35e-06	0.0	40.0	0.57	-1.10	-0.06	-0.07	-9.35e-03	0.19
242	67	0.42	-1.27e-04	1.93e-05	-0.13	0.0	-0.15	-0.70	7.79e-03	0.07	-1.27e-04	0.42
		0.11	-4.42e-03	2.14e-06	0.0	40.0	-0.15	-0.82	7.79e-03	0.07	-4.42e-03	0.11
242	75	0.42	-2.27e-03	2.02e-05	-0.13	0.0	-0.28	-0.61	0.03	0.11	-2.27e-03	0.42
		0.15	-3.12e-03	2.00e-06	0.0	40.0	-0.28	-0.73	0.03	0.11	-3.12e-03	0.15
242	81	0.47	3.50e-03	2.35e-05	-0.13	0.0	0.37	-0.53	-0.03	-0.02	3.50e-03	0.47
		0.23	-4.95e-03	1.55e-06	0.0	40.0	0.37	-0.65	-0.03	-0.02	-4.95e-03	0.23
242	85	0.46	3.45e-03	2.51e-05	-0.13	0.0	0.63	-0.56	-0.04	-0.04	3.45e-03	0.46
		0.21	-6.24e-03	1.16e-06	0.0	40.0	0.63	-0.69	-0.04	-0.04	-6.24e-03	0.21
242	87	0.45	4.45e-03	2.11e-05	-0.13	0.0	0.49	-0.70	-0.04	-0.04	4.45e-03	0.45
		0.15	-7.03e-03	1.62e-06	0.0	40.0	0.49	-0.82	-0.04	-0.04	-7.03e-03	0.15
242	88	0.46	4.85e-03	2.03e-05	-0.13	0.0	0.43	-0.69	-0.04	-0.04	4.85e-03	0.46
		0.16	-6.76e-03	1.74e-06	0.0	40.0	0.43	-0.81	-0.04	-0.04	-6.76e-03	0.16
242	98	0.44	2.60e-03	2.11e-05	-0.13	0.0	0.11	-0.67	-0.02	6.39e-03	2.60e-03	0.44
		0.14	-5.13e-03	2.04e-06	0.0	40.0	0.11	-0.79	-0.02	6.39e-03	-5.13e-03	0.14
242	103	0.43	1.41e-03	2.16e-05	-0.13	0.0	0.07	-0.64	-7.81e-03	0.03	1.41e-03	0.43
		0.15	-4.67e-03	1.94e-06	0.0	40.0	0.07	-0.76	-7.81e-03	0.03	-4.67e-03	0.15
242	104	0.45	1.97e-03	2.51e-05	-0.13	0.0	0.33	-0.54	-0.02	-4.46e-03	1.97e-03	0.45
		0.21	-4.72e-03	1.49e-06	0.0	40.0	0.33	-0.66	-0.02	-4.46e-03	-4.72e-03	0.21
242	105	0.44	2.83e-03	2.17e-05	-0.13	0.0	0.21	-0.66	-0.02	-3.81e-03	2.83e-03	0.44
		0.15	-5.39e-03	1.89e-06	0.0	40.0	0.21	-0.78	-0.02	-3.81e-03	-5.39e-03	0.15
242	106	0.45	1.60e-03	2.51e-05	-0.13	0.0	0.26	-0.53	-0.01	5.64e-03	1.60e-03	0.45
		0.21	-4.34e-03	1.57e-06	0.0	40.0	0.26	-0.66	-0.01	5.64e-03	-4.34e-03	0.21
242	107	0.44	2.46e-03	2.16e-05	-0.13	0.0	0.14	-0.65	-0.02	6.29e-03	2.46e-03	0.44
		0.15	-5.01e-03	1.97e-06	0.0	40.0	0.14	-0.77	-0.02	6.29e-03	-5.01e-03	0.15
242	113	1.28	6.15e-03	-1.19e-04	-0.13	0.0	2.39	-2.46	6.41e-03	-6.90e-03	4.15e-03	1.28
		0.25	4.15e-03	1.88e-04	0.0	40.0	2.39	-2.58	6.41e-03	-6.90e-03	6.15e-03	0.25
242	114	0.05	7.70e-04	1.62e-04	-0.13	0.0	-2.12	1.16	-0.04	0.02	7.70e-04	-0.41
		-0.41	-0.02	-1.84e-04	0.0	40.0	-2.12	1.04	-0.04	0.02	-0.02	0.05
242	128	0.97	0.02	-7.50e-05	-0.13	0.0	-2.19	-1.71	0.04	0.03	5.16e-03	0.97
		0.27	5.16e-03	2.89e-05	0.0	40.0	-2.19	-1.83	0.04	0.03	0.02	0.27
242	131	0.04	-2.40e-04	1.18e-04	-0.13	0.0	2.46	0.41	-0.07	-0.02	-2.40e-04	-0.10
		-0.10	-0.03	-2.49e-05	0.0	40.0	2.46	0.28	-0.07	-0.02	-0.03	0.04
242	133	1.05	1.80e-03	-7.49e-05	-0.13	0.0	3.40	-1.99	-0.02	-0.02	1.80e-03	1.05
		0.14	-7.24e-03	3.85e-05	0.0	40.0	3.40	-2.12	-0.02	-0.02	-7.24e-03	0.14
242	134	0.17	3.12e-03	1.18e-04	-0.13	0.0	-3.13	0.69	-0.01	0.04	3.12e-03	-0.18
		-0.18	-2.79e-03	-3.45e-05	0.0	40.0	-3.13	0.57	-0.01	0.04	-2.79e-03	0.17
242	145	1.39	7.55e-03	-1.36e-04	-0.13	0.0	2.67	-2.68	9.33e-03	-8.54e-03	4.36e-03	1.39
		0.26	4.36e-03	2.11e-04	0.0	40.0	2.67	-2.81	9.33e-03	-8.54e-03	7.55e-03	0.26
242	146	0.04	5.59e-04	1.79e-04	-0.13	0.0	-2.40	1.39	-0.04	0.02	5.59e-04	-0.52
		-0.52	-0.02	-2.07e-04	0.0	40.0	-2.40	1.26	-0.04	0.02	-0.02	0.04
242	160	1.04	0.02	-8.63e-05	-0.13	0.0	-2.47	-1.84	0.05	0.03	5.49e-03	1.04
		0.28	5.49e-03	3.22e-05	0.0	40.0	-2.47	-1.96	0.05	0.03	0.02	0.28
242	163	0.02	-5.68e-04	1.30e-04	-0.13	0.0	2.74	0.54	-0.08	-0.02	-5.68e-04	-0.16
		-0.16	-0.03	-2.82e-05	0.0	40.0	2.74	0.41	-0.08	-0.02	-0.03	0.02
242	165	1.13	1.73e-03	-8.70e-05	-0.13	0.0	3.80	-2.16	-0.02	-0.03	1.73e-03	1.13
		0.13	-7.48e-03	4.28e-05	0.0	40.0	3.80	-2.28	-0.02	-0.03	-7.48e-03	0.13
242	166	0.17	3.20e-03	1.30e-04	-0.13	0.0	-3.53	0.86	-0.01	0.04	3.20e-03	-0.25
		-0.25	-2.54e-03	-3.89e-05	0.0	40.0	-3.53	0.73	-0.01	0.04	-2.54e-03	0.17
242	177	1.34	6.92e-03	-1.23e-04	-0.13	0.0	2.65	-2.58	8.07e-03	-8.12e-03	4.22e-03	1.34
		0.26	4.22e-03	2.07e-04	0.0	40.0	2.65	-2.71	8.07e-03	-8.12e-03	6.92e-03	0.26
242	178	0.05	7.00e-04	1.66e-04	-0.13	0.0	-2.38	1.28	-0.04	0.02	7.00e-04	-0.46
		-0.46	-0.02	-2.03e-04	0.0	40.0	-2.38	1.16	-0.04	0.02	-0.02	0.05
242	192	1.00	0.02	-7.77e-05	-0.13	0.0	-2.41	-1.76	0.04	0.03	5.35e-03	1.00
		0.28	5.35e-03	3.05e-05	0.0	40.0	-2.41	-1.88	0.04	0.03	0.02	0.28
242	195	0.03	-4.32e-04	1.21e-04	-0.13	0.0	2.68	0.46	-0.08	-0.02	-4.32e-04	-0.12

		-0.12	-0.03	-2.65e-05	0.0	40.0	2.68	0.33	-0.08	-0.02	-0.03	0.03
242	197	1.10	1.76e-03	-8.44e-05	-0.13	0.0	3.74	-2.10	-0.02	-0.03	1.76e-03	1.10
		0.14	-6.99e-03	3.90e-05	0.0	40.0	3.74	-2.22	-0.02	-0.03	-6.99e-03	0.14
242	198	0.17	3.16e-03	1.28e-04	-0.13	0.0	-3.47	0.80	-0.01	0.04	3.16e-03	-0.22
		-0.22	-3.03e-03	-3.50e-05	0.0	40.0	-3.47	0.67	-0.01	0.04	-3.03e-03	0.17
242	209	1.47	8.62e-03	-1.40e-04	-0.13	0.0	3.07	-2.86	0.01	-0.01	4.44e-03	1.47
		0.27	4.44e-03	2.41e-04	0.0	40.0	3.07	-2.98	0.01	-0.01	8.62e-03	0.27
242	210	0.03	4.78e-04	1.83e-04	-0.13	0.0	-2.80	1.56	-0.05	0.02	4.78e-04	-0.59
		-0.59	-0.02	-2.37e-04	0.0	40.0	-2.80	1.44	-0.05	0.02	-0.02	0.03
242	224	1.08	0.03	-9.01e-05	-0.13	0.0	-2.81	-1.92	0.05	0.04	5.79e-03	1.08
		0.30	5.79e-03	3.55e-05	0.0	40.0	-2.81	-2.04	0.05	0.04	0.03	0.30
242	227	9.61e-03	-8.72e-04	1.33e-04	-0.13	0.0	3.08	0.62	-0.09	-0.02	-8.72e-04	-0.20
		-0.20	-0.04	-3.16e-05	0.0	40.0	3.08	0.49	-0.09	-0.02	-0.04	9.61e-03
242	229	1.19	1.65e-03	-1.00e-04	-0.13	0.0	4.32	-2.31	-0.02	-0.03	1.65e-03	1.19
		0.13	-7.15e-03	4.35e-05	0.0	40.0	4.32	-2.44	-0.02	-0.03	-7.15e-03	0.13
242	230	0.17	3.27e-03	1.44e-04	-0.13	0.0	-4.05	1.02	-0.01	0.05	3.27e-03	-0.32
		-0.32	-2.87e-03	-3.96e-05	0.0	40.0	-4.05	0.89	-0.01	0.05	-2.87e-03	0.17
243	4	0.14	-0.01	1.62e-05	-0.16	0.0	-0.19	-0.27	-0.05	0.16	-0.01	0.14
		0.0	-0.05	4.06e-06	0.0	40.0	-0.19	-0.43	-0.05	0.16	-0.05	0.0
243	22	0.12	-0.01	1.53e-05	-0.13	0.0	-0.32	-0.24	-0.01	0.19	-0.01	0.12
		0.0	-0.04	3.07e-06	0.0	40.0	-0.32	-0.37	-0.01	0.19	-0.04	0.0
243	33	0.30	-5.67e-03	3.35e-05	-0.16	0.0	0.75	-0.67	-0.06	0.01	-5.67e-03	0.30
		0.0	-0.03	2.44e-06	0.0	40.0	0.75	-0.84	-0.06	0.01	-0.03	0.0
243	36	0.25	-3.88e-03	2.71e-05	-0.13	0.0	0.67	-0.55	-0.05	5.77e-04	-3.88e-03	0.25
		0.0	-0.02	1.72e-06	0.0	40.0	0.67	-0.68	-0.05	5.77e-04	-0.02	0.0
243	41	0.27	-6.06e-03	3.38e-05	-0.16	0.0	1.07	-0.60	-0.06	-0.02	-6.06e-03	0.27
		0.0	-0.03	1.53e-06	0.0	40.0	1.07	-0.76	-0.06	-0.02	-0.03	0.0
243	42	0.29	-5.68e-03	3.36e-05	-0.16	0.0	1.01	-0.64	-0.06	-0.01	-5.68e-03	0.29
		0.0	-0.03	1.79e-06	0.0	40.0	1.01	-0.80	-0.06	-0.01	-0.03	0.0
243	68	0.12	-8.42e-03	1.49e-05	-0.13	0.0	-0.05	-0.24	-0.03	0.11	-8.42e-03	0.12
		0.0	-0.03	2.91e-06	0.0	40.0	-0.05	-0.37	-0.03	0.11	-0.03	0.0
243	75	0.15	-9.33e-03	1.86e-05	-0.13	0.0	-0.08	-0.31	-0.02	0.14	-9.33e-03	0.15
		0.0	-0.03	2.72e-06	0.0	40.0	-0.08	-0.43	-0.02	0.14	-0.03	0.0
243	81	0.23	-4.41e-03	2.65e-05	-0.13	0.0	0.58	-0.52	-0.05	0.01	-4.41e-03	0.23
		0.0	-0.02	1.82e-06	0.0	40.0	0.58	-0.64	-0.05	0.01	-0.02	0.0
243	85	0.21	-4.67e-03	2.66e-05	-0.13	0.0	0.79	-0.46	-0.04	-5.68e-03	-4.67e-03	0.21
		0.0	-0.02	1.22e-06	0.0	40.0	0.79	-0.59	-0.04	-5.68e-03	-0.02	0.0
243	86	0.22	-4.42e-03	2.65e-05	-0.13	0.0	0.75	-0.49	-0.05	-4.66e-03	-4.42e-03	0.22
		0.0	-0.02	1.39e-06	0.0	40.0	0.75	-0.62	-0.05	-4.66e-03	-0.02	0.0
243	98	0.14	-6.25e-03	1.84e-05	-0.13	0.0	0.26	-0.30	-0.04	0.05	-6.25e-03	0.14
		0.0	-0.03	2.42e-06	0.0	40.0	0.26	-0.42	-0.04	0.05	-0.03	0.0
243	99	0.21	-5.18e-03	2.68e-05	-0.13	0.0	0.44	-0.47	-0.03	0.04	-5.18e-03	0.21
		0.0	-0.02	1.94e-06	0.0	40.0	0.44	-0.59	-0.03	0.04	-0.02	0.0
243	103	0.15	-6.78e-03	1.97e-05	-0.13	0.0	0.23	-0.32	-0.04	0.07	-6.78e-03	0.15
		0.0	-0.03	2.37e-06	0.0	40.0	0.23	-0.44	-0.04	0.07	-0.03	0.0
243	104	0.21	-5.16e-03	2.68e-05	-0.13	0.0	0.53	-0.46	-0.03	0.03	-5.16e-03	0.21
		0.0	-0.02	1.74e-06	0.0	40.0	0.53	-0.58	-0.03	0.03	-0.02	0.0
243	106	0.21	-5.28e-03	2.69e-05	-0.13	0.0	0.46	-0.46	-0.03	0.04	-5.28e-03	0.21
		0.0	-0.02	1.87e-06	0.0	40.0	0.46	-0.58	-0.03	0.04	-0.02	0.0
243	107	0.15	-6.11e-03	1.96e-05	-0.13	0.0	0.28	-0.32	-0.04	0.05	-6.11e-03	0.15
		0.0	-0.03	2.34e-06	0.0	40.0	0.28	-0.44	-0.04	0.05	-0.03	0.0
243	108	0.29	0.06	-6.57e-04	-0.13	0.0	1.18	-0.67	0.16	0.06	7.69e-03	0.29
		0.0	7.69e-03	1.84e-04	0.0	40.0	1.18	-0.80	0.16	0.06	0.06	0.0
243	124	0.28	0.08	-2.53e-04	-0.13	0.0	-1.89	-0.63	0.19	0.01	0.01	0.28
		0.0	0.01	2.69e-05	0.0	40.0	-1.89	-0.75	0.19	0.01	0.08	0.0
243	128	0.27	0.09	-2.58e-04	-0.13	0.0	-2.09	-0.61	0.20	0.01	0.01	0.27
		0.0	0.01	2.92e-05	0.0	40.0	-2.09	-0.74	0.20	0.01	0.09	0.0
243	131	0.04	-0.02	2.97e-04	-0.13	0.0	2.66	-0.03	-0.28	0.08	-0.02	0.04
		0.0	-0.14	-2.45e-05	0.0	40.0	2.66	-0.15	-0.28	0.08	-0.14	0.0
243	133	0.14	-7.58e-03	-2.46e-04	-0.13	0.0	3.69	-0.28	-0.06	0.10	-7.58e-03	0.14
		0.0	-0.04	3.94e-05	0.0	40.0	3.69	-0.40	-0.06	0.10	-0.04	0.0
243	134	0.17	-4.65e-03	2.85e-04	-0.13	0.0	-3.12	-0.36	-0.02	-2.95e-03	-4.65e-03	0.17
		0.0	-0.02	-3.47e-05	0.0	40.0	-3.12	-0.49	-0.02	-2.95e-03	-0.02	0.0
243	140	0.31	0.08	-7.41e-04	-0.13	0.0	1.29	-0.72	0.18	0.06	9.41e-03	0.31
		0.0	9.41e-03	2.07e-04	0.0	40.0	1.29	-0.84	0.18	0.06	0.08	0.0
243	143	3.51e-03	-0.02	7.80e-04	-0.13	0.0	-0.72	0.08	-0.26	0.03	-0.02	-6.31e-03
		-6.31e-03	-0.13	-2.03e-04	0.0	40.0	-0.72	-0.05	-0.26	0.03	-0.13	0.0
243	160	0.28	0.10	-2.92e-04	-0.13	0.0	-2.38	-0.65	0.23	9.38e-03	0.01	0.28
		0.0	0.01	3.24e-05	0.0	40.0	-2.38	-0.77	0.23	9.38e-03	0.10	0.0
243	163	0.02	-0.03	3.31e-04	-0.13	0.0	2.95	7.07e-03	-0.31	0.09	-0.03	0.02
		0.0	-0.16	-2.77e-05	0.0	40.0	2.95	-0.12	-0.31	0.09	-0.16	0.0
243	165	0.13	-7.73e-03	-2.79e-04	-0.13	0.0	4.11	-0.27	-0.06	0.10	-7.73e-03	0.13
		0.0	-0.04	4.38e-05	0.0	40.0	4.11	-0.40	-0.06	0.10	-0.04	0.0
243	166	0.17	-4.49e-03	3.18e-04	-0.13	0.0	-3.55	-0.36	-0.02	-9.21e-03	-4.49e-03	0.17
		0.0	-0.02	-3.91e-05	0.0	40.0	-3.55	-0.49	-0.02	-9.21e-03	-0.02	0.0

243	172	0.30	0.07	-7.05e-04	-0.13	0.0	1.29	-0.69	0.17	0.06	8.66e-03	0.30
		0.0	8.66e-03	2.04e-04	0.0	40.0	1.29	-0.82	0.17	0.06	0.07	0.0
243	188	0.29	0.09	-2.75e-04	-0.13	0.0	-2.11	-0.65	0.22	0.01	0.01	0.29
		0.0	0.01	2.61e-05	0.0	40.0	-2.11	-0.78	0.22	0.01	0.09	0.0
243	192	0.28	0.10	-2.84e-04	-0.13	0.0	-2.32	-0.63	0.22	0.01	0.01	0.28
		0.0	0.01	3.07e-05	0.0	40.0	-2.32	-0.76	0.22	0.01	0.10	0.0
243	195	0.03	-0.03	3.24e-04	-0.13	0.0	2.89	-8.27e-03	-0.30	0.08	-0.03	0.03
		0.0	-0.15	-2.61e-05	0.0	40.0	2.89	-0.13	-0.30	0.08	-0.15	0.0
243	197	0.14	-7.36e-03	-2.69e-04	-0.13	0.0	4.05	-0.28	-0.06	0.10	-7.36e-03	0.14
		0.0	-0.04	4.00e-05	0.0	40.0	4.05	-0.40	-0.06	0.10	-0.04	0.0
243	198	0.17	-4.86e-03	3.08e-04	-0.13	0.0	-3.48	-0.36	-0.02	-8.37e-03	-4.86e-03	0.17
		0.0	-0.02	-3.53e-05	0.0	40.0	-3.48	-0.48	-0.02	-8.37e-03	-0.02	0.0
243	204	0.32	0.09	-8.12e-04	-0.13	0.0	1.47	-0.74	0.20	0.06	0.01	0.32
		0.0	0.01	2.37e-04	0.0	40.0	1.47	-0.87	0.20	0.06	0.09	0.0
243	207	7.15e-04	-0.02	8.51e-04	-0.13	0.0	-0.90	0.10	-0.28	0.03	-0.02	-0.02
		-0.02	-0.14	-2.32e-04	0.0	40.0	-0.90	-0.02	-0.28	0.03	-0.14	0.0
243	224	0.30	0.12	-3.37e-04	-0.13	0.0	-2.72	-0.68	0.26	4.07e-03	0.02	0.30
		0.0	0.02	3.58e-05	0.0	40.0	-2.72	-0.80	0.26	4.07e-03	0.12	0.0
243	227	0.01	-0.03	3.76e-04	-0.13	0.0	3.29	0.04	-0.34	0.09	-0.03	9.61e-03
		0.0	-0.17	-3.11e-05	0.0	40.0	3.29	-0.09	-0.34	0.09	-0.17	0.0
243	229	0.13	-7.44e-03	-3.13e-04	-0.13	0.0	4.66	-0.27	-0.06	0.11	-7.44e-03	0.13
		0.0	-0.04	4.46e-05	0.0	40.0	4.66	-0.40	-0.06	0.11	-0.04	0.0
243	230	0.17	-4.78e-03	3.52e-04	-0.13	0.0	-4.09	-0.37	-0.02	-0.02	-4.78e-03	0.17
		0.0	-0.02	-4.00e-05	0.0	40.0	-4.09	-0.49	-0.02	-0.02	-0.02	0.0
244	11	0.30	3.07e-03	-2.84e-05	-0.16	0.0	-0.28	0.83	0.06	-0.16	-0.02	0.0
		0.0	-0.02	1.79e-06	0.0	40.0	-0.28	0.67	0.06	-0.16	3.07e-03	0.30
244	22	0.24	2.74e-03	-2.22e-05	-0.13	0.0	-0.38	0.66	0.05	-0.25	-0.02	0.0
		0.0	-0.02	1.53e-06	0.0	40.0	-0.38	0.54	0.05	-0.25	2.74e-03	0.24
244	27	0.45	-5.51e-04	-3.70e-05	-0.16	0.0	0.19	1.20	0.06	0.04	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	0.19	1.04	0.06	0.04	-5.51e-04	0.45
244	28	0.42	8.50e-06	-3.39e-05	-0.16	0.0	0.13	1.14	0.06	0.04	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	0.13	0.98	0.06	0.04	8.50e-06	0.42
244	41	0.28	-1.85e-03	-4.13e-05	-0.16	0.0	0.75	0.79	0.03	0.09	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.75	0.63	0.03	0.09	-1.85e-03	0.28
244	55	0.35	8.54e-04	-2.69e-05	-0.13	0.0	-0.10	0.95	0.04	-0.02	-0.02	0.0
		0.0	-0.02	1.26e-06	0.0	40.0	-0.10	0.82	0.04	-0.02	8.54e-04	0.35
244	71	0.22	2.12e-03	-2.31e-05	-0.13	0.0	-0.13	0.61	0.04	-0.11	-0.02	0.0
		0.0	-0.02	1.30e-06	0.0	40.0	-0.13	0.49	0.04	-0.11	2.12e-03	0.22
244	75	0.23	2.11e-03	-2.44e-05	-0.13	0.0	-0.18	0.63	0.04	-0.17	-0.01	0.0
		0.0	-0.01	1.34e-06	0.0	40.0	-0.18	0.51	0.04	-0.17	2.11e-03	0.23
244	79	0.32	-2.99e-04	-2.88e-05	-0.13	0.0	0.18	0.86	0.04	0.02	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	0.18	0.73	0.04	0.02	-2.99e-04	0.32
244	80	0.30	7.38e-05	-2.68e-05	-0.13	0.0	0.14	0.81	0.04	0.02	-0.02	0.0
		0.0	-0.02	0.0	0.0	40.0	0.14	0.69	0.04	0.02	7.38e-05	0.30
244	85	0.21	-1.17e-03	-3.17e-05	-0.13	0.0	0.55	0.58	0.02	0.06	-0.01	0.0
		0.0	-0.01	0.0	0.0	40.0	0.55	0.46	0.02	0.06	-1.17e-03	0.21
244	91	0.30	8.53e-04	-2.76e-05	-0.13	0.0	1.95e-03	0.82	0.04	-0.02	-0.01	0.0
		0.0	-0.01	1.17e-06	0.0	40.0	1.95e-03	0.70	0.04	-0.02	8.53e-04	0.30
244	98	0.27	8.23e-04	-2.82e-05	-0.13	0.0	0.08	0.73	0.03	-0.02	-0.01	0.0
		0.0	-0.01	1.09e-06	0.0	40.0	0.08	0.61	0.03	-0.02	8.23e-04	0.27
244	103	0.25	9.96e-04	-2.80e-05	-0.13	0.0	0.06	0.69	0.03	-0.05	-0.01	0.0
		0.0	-0.01	1.11e-06	0.0	40.0	0.06	0.56	0.03	-0.05	9.96e-04	0.25
244	104	0.19	3.70e-04	-3.00e-05	-0.13	0.0	0.31	0.53	0.02	3.99e-04	-8.49e-03	0.0
		0.0	-8.49e-03	0.0	0.0	40.0	0.31	0.41	0.02	3.99e-04	3.70e-04	0.19
244	106	0.18	7.54e-04	-2.96e-05	-0.13	0.0	0.25	0.52	0.02	-0.01	-7.96e-03	0.0
		0.0	-7.96e-03	0.0	0.0	40.0	0.25	0.40	0.02	-0.01	7.54e-04	0.18
244	107	0.26	8.13e-04	-2.84e-05	-0.13	0.0	0.10	0.70	0.03	-0.02	-0.01	0.0
		0.0	-0.01	1.07e-06	0.0	40.0	0.10	0.58	0.03	-0.02	8.13e-04	0.26
244	113	2.15	-0.01	-1.59e-04	-0.13	0.0	1.80	5.43	0.23	-0.03	-0.11	0.0
		0.0	-0.11	1.83e-04	0.0	40.0	1.80	5.31	0.23	-0.03	-0.01	2.15
244	114	0.0	0.08	1.02e-04	-0.13	0.0	-1.59	-4.03	-0.17	-3.54e-03	0.08	0.0
		-1.64	0.02	-1.81e-04	0.0	40.0	-1.59	-4.16	-0.17	-3.54e-03	0.02	-1.64
244	125	1.31	-0.02	-1.51e-06	-0.13	0.0	3.50	3.34	0.23	0.01	-0.11	0.0
		0.0	-0.11	8.27e-05	0.0	40.0	3.50	3.21	0.23	0.01	-0.02	1.31
244	126	0.0	0.09	-5.64e-05	-0.13	0.0	-3.29	-1.94	-0.17	-0.05	0.09	0.0
		-0.80	0.02	-8.06e-05	0.0	40.0	-3.29	-2.06	-0.17	-0.05	0.02	-0.80
244	133	1.75	-0.02	-1.61e-04	-0.13	0.0	2.77	4.43	0.28	-4.37e-03	-0.13	0.0
		0.0	-0.13	3.28e-05	0.0	40.0	2.77	4.30	0.28	-4.37e-03	-0.02	1.75
244	134	0.0	0.11	1.04e-04	-0.13	0.0	-2.56	-3.03	-0.22	-0.03	0.11	0.0
		-1.24	0.02	-3.07e-05	0.0	40.0	-2.56	-3.15	-0.22	-0.03	0.02	-1.24
244	145	2.38	-0.02	-1.75e-04	-0.13	0.0	2.01	6.02	0.25	-0.03	-0.12	0.0
		0.0	-0.12	2.06e-04	0.0	40.0	2.01	5.90	0.25	-0.03	-0.02	2.38
244	146	0.0	0.09	1.19e-04	-0.13	0.0	-1.80	-4.62	-0.19	-1.71e-03	0.09	0.0
		-1.87	0.02	-2.04e-04	0.0	40.0	-1.80	-4.75	-0.19	-1.71e-03	0.02	-1.87
244	157	1.44	-0.02	2.85e-06	-0.13	0.0	3.92	3.67	0.26	0.02	-0.12	0.0

		0.0	-0.12	9.34e-05	0.0	40.0	3.92	3.54	0.26	0.02	-0.02	1.44
244	158	0.0	0.10	-5.96e-05	-0.13	0.0	-3.72	-2.26	-0.19	-0.05	0.10	0.0
		-0.93	0.02	-9.12e-05	0.0	40.0	-3.72	-2.39	-0.19	-0.05	0.02	-0.93
244	165	1.93	-0.02	-1.77e-04	-0.13	0.0	3.10	4.89	0.31	-2.69e-03	-0.15	0.0
		0.0	-0.15	3.66e-05	0.0	40.0	3.10	4.77	0.31	-2.69e-03	-0.02	1.93
244	166	0.0	0.13	1.21e-04	-0.13	0.0	-2.89	-3.49	-0.25	-0.03	0.13	0.0
		-1.42	0.02	-3.45e-05	0.0	40.0	-2.89	-3.61	-0.25	-0.03	0.02	-1.42
244	177	2.30	-0.02	-1.86e-04	-0.13	0.0	1.94	5.80	0.25	-0.03	-0.12	0.0
		0.0	-0.12	2.02e-04	0.0	40.0	1.94	5.68	0.25	-0.03	-0.02	2.30
244	178	0.0	0.09	1.29e-04	-0.13	0.0	-1.74	-4.40	-0.19	-2.57e-03	0.09	0.0
		-1.78	0.02	-2.00e-04	0.0	40.0	-1.74	-4.53	-0.19	-2.57e-03	0.02	-1.78
244	189	1.38	-0.02	-1.86e-06	-0.13	0.0	3.87	3.50	0.25	0.02	-0.12	0.0
		0.0	-0.12	9.54e-05	0.0	40.0	3.87	3.38	0.25	0.02	-0.02	1.38
244	190	0.0	0.10	-5.59e-05	-0.13	0.0	-3.66	-2.10	-0.19	-0.05	0.10	0.0
		-0.87	0.02	-9.32e-05	0.0	40.0	-3.66	-2.23	-0.19	-0.05	0.02	-0.87
244	197	1.88	-0.02	-1.81e-04	-0.13	0.0	3.00	4.76	0.31	-3.25e-03	-0.15	0.0
		0.0	-0.15	3.30e-05	0.0	40.0	3.00	4.64	0.31	-3.25e-03	-0.02	1.88
244	198	0.0	0.12	1.24e-04	-0.13	0.0	-2.80	-3.36	-0.25	-0.03	0.12	0.0
		-1.37	0.02	-3.09e-05	0.0	40.0	-2.80	-3.48	-0.25	-0.03	0.02	-1.37
244	209	2.60	-0.02	-2.19e-04	-0.13	0.0	2.22	6.57	0.29	-0.04	-0.13	0.0
		0.0	-0.13	2.36e-04	0.0	40.0	2.22	6.44	0.29	-0.04	-0.02	2.60
244	210	0.0	0.11	1.62e-04	-0.13	0.0	-2.02	-5.16	-0.23	-2.86e-04	0.11	0.0
		-2.09	0.02	-2.34e-04	0.0	40.0	-2.02	-5.29	-0.23	-2.86e-04	0.02	-2.09
244	221	1.54	-0.02	1.00e-06	-0.13	0.0	4.48	3.91	0.29	0.02	-0.14	0.0
		0.0	-0.14	1.13e-04	0.0	40.0	4.48	3.79	0.29	0.02	-0.02	1.54
244	222	0.0	0.12	-5.78e-05	-0.13	0.0	-4.27	-2.51	-0.23	-0.06	0.12	0.0
		-1.03	0.02	-1.11e-04	0.0	40.0	-4.27	-2.64	-0.23	-0.06	0.02	-1.03
244	229	2.13	-0.03	-2.08e-04	-0.13	0.0	3.45	5.39	0.36	-9.89e-04	-0.17	0.0
		0.0	-0.17	3.68e-05	0.0	40.0	3.45	5.26	0.36	-9.89e-04	-0.03	2.13
244	230	0.0	0.15	1.51e-04	-0.13	0.0	-3.25	-3.99	-0.29	-0.04	0.15	0.0
		-1.62	0.03	-3.47e-05	0.0	40.0	-3.25	-4.11	-0.29	-0.04	0.03	-1.62
245	4	0.80	7.62e-03	-2.65e-05	-0.16	0.0	-0.53	1.13	0.01	-0.17	2.56e-03	0.38
		0.38	2.56e-03	2.36e-06	0.0	40.0	-0.53	0.97	0.01	-0.17	7.62e-03	0.80
245	12	0.32	4.69e-03	-2.39e-05	-0.13	0.0	-0.28	0.61	5.11e-03	-0.15	2.65e-03	0.10
		0.10	2.65e-03	1.61e-06	0.0	40.0	-0.28	0.49	5.11e-03	-0.15	4.69e-03	0.32
245	18	0.70	7.50e-03	-2.80e-05	-0.16	0.0	-0.57	1.04	0.01	-0.25	3.06e-03	0.31
		0.31	3.06e-03	2.40e-06	0.0	40.0	-0.57	0.87	0.01	-0.25	7.50e-03	0.70
245	27	0.83	4.87e-03	-2.91e-05	-0.16	0.0	-0.10	1.03	0.01	0.04	-5.51e-04	0.45
		0.45	-5.51e-04	1.05e-06	0.0	40.0	-0.10	0.86	0.01	0.04	4.87e-03	0.83
245	45	0.36	4.86e-04	-2.85e-05	-0.13	0.0	0.34	0.43	6.65e-03	0.10	-2.18e-03	0.21
		0.21	-2.18e-03	0.0	0.0	40.0	0.34	0.31	6.65e-03	0.10	4.86e-04	0.36
245	68	0.57	5.32e-03	-2.15e-05	-0.13	0.0	-0.35	0.81	8.87e-03	-0.11	1.77e-03	0.27
		0.27	1.77e-03	1.69e-06	0.0	40.0	-0.35	0.68	8.87e-03	-0.11	5.32e-03	0.57
245	69	0.35	4.14e-03	-2.46e-05	-0.13	0.0	-0.22	0.59	5.24e-03	-0.11	2.05e-03	0.14
		0.14	2.05e-03	1.46e-06	0.0	40.0	-0.22	0.46	5.24e-03	-0.11	4.14e-03	0.35
245	75	0.50	5.24e-03	-2.25e-05	-0.13	0.0	-0.38	0.74	7.83e-03	-0.17	2.11e-03	0.23
		0.23	2.11e-03	1.72e-06	0.0	40.0	-0.38	0.62	7.83e-03	-0.17	5.24e-03	0.50
245	79	0.59	3.49e-03	-2.33e-05	-0.13	0.0	-0.06	0.73	9.46e-03	0.02	-2.99e-04	0.32
		0.32	-2.99e-04	0.0	0.0	40.0	-0.06	0.61	9.46e-03	0.02	3.49e-03	0.59
245	85	0.37	1.34e-03	-2.76e-05	-0.13	0.0	0.20	0.47	6.27e-03	0.06	-1.17e-03	0.21
		0.21	-1.17e-03	0.0	0.0	40.0	0.20	0.34	6.27e-03	0.06	1.34e-03	0.37
245	98	0.51	3.82e-03	-2.39e-05	-0.13	0.0	-0.17	0.67	7.49e-03	-0.02	8.23e-04	0.27
		0.27	8.23e-04	1.31e-06	0.0	40.0	-0.17	0.54	7.49e-03	-0.02	3.82e-03	0.51
245	99	0.35	2.87e-03	-2.64e-05	-0.13	0.0	-0.06	0.50	4.92e-03	-0.01	9.03e-04	0.18
		0.18	9.03e-04	1.12e-06	0.0	40.0	-0.06	0.38	4.92e-03	-0.01	2.87e-03	0.35
245	103	0.49	3.86e-03	-2.43e-05	-0.13	0.0	-0.19	0.65	7.16e-03	-0.05	9.96e-04	0.25
		0.25	9.96e-04	1.34e-06	0.0	40.0	-0.19	0.53	7.16e-03	-0.05	3.86e-03	0.49
245	104	0.36	2.43e-03	-2.69e-05	-0.13	0.0	-4.41e-03	0.48	5.15e-03	3.99e-04	3.70e-04	0.19
		0.19	3.70e-04	0.0	0.0	40.0	-4.41e-03	0.36	5.15e-03	3.99e-04	2.43e-03	0.36
245	106	0.35	2.70e-03	-2.68e-05	-0.13	0.0	-0.05	0.49	4.87e-03	-0.01	7.54e-04	0.18
		0.18	7.54e-04	1.08e-06	0.0	40.0	-0.05	0.36	4.87e-03	-0.01	2.70e-03	0.35
245	107	0.49	3.66e-03	-2.43e-05	-0.13	0.0	-0.15	0.64	7.12e-03	-0.02	8.13e-04	0.26
		0.26	8.13e-04	1.28e-06	0.0	40.0	-0.15	0.52	7.12e-03	-0.02	3.66e-03	0.49
245	113	4.40	1.44e-03	-2.14e-04	-0.13	0.0	1.02	5.71	0.04	-0.03	-0.01	2.15
		2.15	-0.01	1.83e-04	0.0	40.0	1.02	5.58	0.04	-0.03	1.44e-03	4.40
245	114	-1.64	0.02	1.66e-04	-0.13	0.0	-1.32	-4.42	-0.03	-3.54e-03	0.02	-1.64
		-3.42	5.88e-03	-1.81e-04	0.0	40.0	-1.32	-4.54	-0.03	-3.54e-03	5.88e-03	-3.42
245	125	1.31	-4.90e-05	-8.46e-06	-0.13	0.0	2.40	-0.55	0.04	0.01	-0.02	1.31
		-0.06	-0.02	8.30e-05	0.0	40.0	2.40	-0.67	0.04	0.01	-4.90e-05	-0.06
245	126	1.03	0.02	-4.02e-05	-0.13	0.0	-2.70	1.84	-0.03	-0.05	0.02	-0.80
		-0.80	7.37e-03	-8.04e-05	0.0	40.0	-2.70	1.71	-0.03	-0.05	7.37e-03	1.03
245	133	3.29	5.09e-05	-1.58e-04	-0.13	0.0	1.91	3.98	0.05	-4.37e-03	-0.02	1.75
		1.75	-0.02	3.33e-05	0.0	40.0	1.91	3.86	0.05	-4.37e-03	5.09e-05	3.29
245	134	-1.24	0.02	1.10e-04	-0.13	0.0	-2.21	-2.69	-0.04	-0.03	0.02	-1.24
		-2.32	7.27e-03	-3.08e-05	0.0	40.0	-2.21	-2.82	-0.04	-0.03	7.27e-03	-2.32

245	145	4.88	1.16e-03	-2.38e-04	-0.13	0.0	1.17	6.34	0.04	-0.03	-0.02	2.38
		2.38	-0.02	2.06e-04	0.0	40.0	1.17	6.21	0.04	-0.03	1.16e-03	4.88
245	146	-1.87	0.02	1.90e-04	-0.13	0.0	-1.47	-5.05	-0.03	-1.71e-03	0.02	-1.87
		-3.91	6.16e-03	-2.04e-04	0.0	40.0	-1.47	-5.18	-0.03	-1.71e-03	6.16e-03	-3.91
245	157	1.44	-5.13e-04	-6.66e-06	-0.13	0.0	2.72	-0.69	0.05	0.02	-0.02	1.44
		-0.12	-0.02	9.36e-05	0.0	40.0	2.72	-0.82	0.05	0.02	-5.13e-04	-0.12
245	158	1.10	0.02	-4.20e-05	-0.13	0.0	-3.02	1.98	-0.04	-0.05	0.02	-0.93
		-0.93	7.83e-03	-9.11e-05	0.0	40.0	-3.02	1.86	-0.04	-0.05	7.83e-03	1.10
245	165	3.64	-3.98e-04	-1.75e-04	-0.13	0.0	2.16	4.39	0.06	-2.69e-03	-0.02	1.93
		1.93	-0.02	3.71e-05	0.0	40.0	2.16	4.27	0.06	-2.69e-03	-3.98e-04	3.64
245	166	-1.42	0.02	1.26e-04	-0.13	0.0	-2.46	-3.11	-0.04	-0.03	0.02	-1.42
		-2.66	7.72e-03	-3.46e-05	0.0	40.0	-2.46	-3.23	-0.04	-0.03	7.72e-03	-2.66
245	177	4.68	1.18e-03	-2.37e-04	-0.13	0.0	1.14	6.05	0.04	-0.03	-0.02	2.30
		2.30	-0.02	2.03e-04	0.0	40.0	1.14	5.92	0.04	-0.03	1.18e-03	4.68
245	178	-1.78	0.02	1.88e-04	-0.13	0.0	-1.44	-4.76	-0.03	-2.57e-03	0.02	-1.78
		-3.70	6.14e-03	-2.00e-04	0.0	40.0	-1.44	-4.88	-0.03	-2.57e-03	6.14e-03	-3.70
245	189	1.38	-4.57e-04	-6.47e-06	-0.13	0.0	2.68	-0.68	0.05	0.02	-0.02	1.38
		-0.10	-0.02	9.56e-05	0.0	40.0	2.68	-0.81	0.05	0.02	-4.57e-04	-0.10
245	190	1.08	0.02	-4.22e-05	-0.13	0.0	-2.98	1.97	-0.03	-0.05	0.02	-0.87
		-0.87	7.78e-03	-9.31e-05	0.0	40.0	-2.98	1.85	-0.03	-0.05	7.78e-03	1.08
245	197	3.52	-3.26e-04	-1.74e-04	-0.13	0.0	2.11	4.21	0.06	-3.25e-03	-0.02	1.88
		1.88	-0.02	3.35e-05	0.0	40.0	2.11	4.09	0.06	-3.25e-03	-3.26e-04	3.52
245	198	-1.37	0.02	1.26e-04	-0.13	0.0	-2.41	-2.92	-0.04	-0.03	0.02	-1.37
		-2.54	7.65e-03	-3.10e-05	0.0	40.0	-2.41	-3.05	-0.04	-0.03	7.65e-03	-2.54
245	209	5.30	7.58e-04	-2.72e-04	-0.13	0.0	1.36	6.83	0.05	-0.04	-0.02	2.60
		2.60	-0.02	2.36e-04	0.0	40.0	1.36	6.70	0.05	-0.04	7.58e-04	5.30
245	210	-2.09	0.02	2.24e-04	-0.13	0.0	-1.66	-5.54	-0.04	-2.86e-04	0.02	-2.09
		-4.32	6.56e-03	-2.34e-04	0.0	40.0	-1.66	-5.67	-0.04	-2.86e-04	6.56e-03	-4.32
245	221	1.54	-1.13e-03	-4.24e-06	-0.13	0.0	3.14	-0.90	0.06	0.02	-0.02	1.54
		-0.20	-0.02	1.14e-04	0.0	40.0	3.14	-1.03	0.06	0.02	-1.13e-03	-0.20
245	222	1.17	0.02	-4.44e-05	-0.13	0.0	-3.44	2.19	-0.04	-0.06	0.02	-1.03
		-1.03	8.46e-03	-1.11e-04	0.0	40.0	-3.44	2.07	-0.04	-0.06	8.46e-03	1.17
245	229	3.98	-9.67e-04	-1.99e-04	-0.13	0.0	2.46	4.73	0.06	-9.89e-04	-0.03	2.13
		2.13	-0.03	3.75e-05	0.0	40.0	2.46	4.61	0.06	-9.89e-04	-9.67e-04	3.98
245	230	-1.62	0.03	1.51e-04	-0.13	0.0	-2.76	-3.45	-0.05	-0.04	0.03	-1.62
		-3.00	8.29e-03	-3.49e-05	0.0	40.0	-2.76	-3.57	-0.05	-0.04	8.29e-03	-3.00
246	4	1.34	7.62e-03	-1.89e-05	-0.16	0.0	-0.53	1.42	-0.01	-0.17	7.62e-03	0.80
		0.80	3.28e-03	3.13e-06	0.0	40.0	-0.53	1.26	-0.01	-0.17	3.28e-03	1.34
246	18	1.06	7.50e-03	-1.84e-05	-0.16	0.0	-0.59	1.00	-8.07e-03	-0.25	7.50e-03	0.70
		0.70	4.27e-03	3.13e-06	0.0	40.0	-0.59	0.84	-8.07e-03	-0.25	4.27e-03	1.06
246	45	0.36	4.86e-04	-1.44e-05	-0.13	0.0	0.21	-0.44	-3.88e-03	0.10	4.86e-04	0.36
		0.16	-1.07e-03	0.0	0.0	40.0	0.21	-0.57	-3.88e-03	0.10	-1.07e-03	0.16
246	53	0.34	2.52e-03	-1.35e-05	-0.13	0.0	-0.14	-0.40	-4.86e-03	-0.01	2.52e-03	0.34
		0.15	5.79e-04	1.31e-06	0.0	40.0	-0.14	-0.53	-4.86e-03	-0.01	5.79e-04	0.15
246	68	0.88	5.32e-03	-1.44e-05	-0.13	0.0	-0.36	0.85	-7.69e-03	-0.11	5.32e-03	0.57
		0.57	2.25e-03	2.23e-06	0.0	40.0	-0.36	0.72	-7.69e-03	-0.11	2.25e-03	0.88
246	75	0.70	5.24e-03	-1.40e-05	-0.13	0.0	-0.41	0.56	-5.85e-03	-0.17	5.24e-03	0.50
		0.50	2.90e-03	2.23e-06	0.0	40.0	-0.41	0.44	-5.85e-03	-0.17	2.90e-03	0.70
246	85	0.37	1.34e-03	-1.41e-05	-0.13	0.0	0.09	-0.34	-4.55e-03	0.06	1.34e-03	0.37
		0.21	-4.78e-04	0.0	0.0	40.0	0.09	-0.46	-4.55e-03	0.06	-4.78e-04	0.21
246	89	0.35	2.70e-03	-1.35e-05	-0.13	0.0	-0.15	-0.31	-5.20e-03	-0.01	2.70e-03	0.35
		0.21	6.20e-04	1.37e-06	0.0	40.0	-0.15	-0.43	-5.20e-03	-0.01	6.20e-04	0.21
246	97	0.35	2.70e-03	-1.35e-05	-0.13	0.0	-0.15	-0.31	-5.20e-03	-0.01	2.70e-03	0.35
		0.21	6.20e-04	1.37e-06	0.0	40.0	-0.15	-0.43	-5.20e-03	-0.01	6.20e-04	0.21
246	98	0.64	3.82e-03	-1.42e-05	-0.13	0.0	-0.21	0.39	-7.33e-03	-0.02	3.82e-03	0.51
		0.51	8.90e-04	1.72e-06	0.0	40.0	-0.21	0.26	-7.33e-03	-0.02	8.90e-04	0.64
246	103	0.58	3.86e-03	-1.40e-05	-0.13	0.0	-0.24	0.30	-6.56e-03	-0.05	3.86e-03	0.49
		0.49	1.24e-03	1.74e-06	0.0	40.0	-0.24	0.17	-6.56e-03	-0.05	1.24e-03	0.58
246	104	0.36	2.43e-03	-1.36e-05	-0.13	0.0	-0.10	-0.31	-5.07e-03	3.99e-04	2.43e-03	0.36
		0.21	4.01e-04	1.15e-06	0.0	40.0	-0.10	-0.44	-5.07e-03	3.99e-04	4.01e-04	0.21
246	106	0.35	2.70e-03	-1.35e-05	-0.13	0.0	-0.15	-0.31	-5.20e-03	-0.01	2.70e-03	0.35
		0.21	6.20e-04	1.37e-06	0.0	40.0	-0.15	-0.43	-5.20e-03	-0.01	6.20e-04	0.21
246	107	0.58	3.66e-03	-1.41e-05	-0.13	0.0	-0.20	0.29	-7.02e-03	-0.02	3.66e-03	0.49
		0.49	8.52e-04	1.67e-06	0.0	40.0	-0.20	0.16	-7.02e-03	-0.02	8.52e-04	0.58
246	113	11.20	1.44e-03	-2.90e-04	-0.13	0.0	0.74	17.07	-1.01e-03	-0.03	1.44e-03	4.40
		4.40	1.09e-03	1.84e-04	0.0	40.0	0.74	16.95	-1.01e-03	-0.03	1.09e-03	11.20
246	114	-3.42	5.88e-03	2.62e-04	-0.13	0.0	-1.14	-16.50	-0.01	-3.54e-03	5.88e-03	-3.42
		-10.04	6.10e-04	-1.81e-04	0.0	40.0	-1.14	-16.62	-0.01	-3.54e-03	6.10e-04	-10.04
246	125	-0.06	1.14e-03	0.0	-0.13	0.0	2.06	-2.99	2.89e-03	0.01	-4.90e-05	-0.06
		-1.27	-4.90e-05	8.38e-05	0.0	40.0	2.06	-3.12	2.89e-03	0.01	1.14e-03	-1.27
246	126	2.43	7.37e-03	-2.73e-05	-0.13	0.0	-2.46	3.57	-0.02	-0.05	7.37e-03	1.03
		1.03	5.64e-04	-8.05e-05	0.0	40.0	-2.46	3.45	-0.02	-0.05	5.64e-04	2.43
246	128	7.21	6.73e-03	-1.47e-04	-0.13	0.0	-2.47	11.17	-0.02	-0.06	6.73e-03	2.78
		2.78	6.38e-04	3.57e-05	0.0	40.0	-2.47	11.05	-0.02	-0.06	6.38e-04	7.21
246	131	-1.80	1.07e-03	1.19e-04	-0.13	0.0	2.06	-10.60	1.21e-03	0.02	5.94e-04	-1.80

		-6.06	5.94e-04	-3.24e-05	0.0	40.0	2.06	-10.72	1.21e-03	0.02	1.07e-03	-6.06
246	145	12.52	1.16e-03	-3.25e-04	-0.13	0.0	0.85	19.17	-2.54e-04	-0.03	1.16e-03	4.88
		4.88	1.12e-03	2.07e-04	0.0	40.0	0.85	19.04	-2.54e-04	-0.03	1.12e-03	12.52
246	146	-3.91	6.16e-03	2.97e-04	-0.13	0.0	-1.26	-18.59	-0.01	-1.71e-03	6.16e-03	-3.91
		-11.37	5.80e-04	-2.04e-04	0.0	40.0	-1.26	-18.71	-0.01	-1.71e-03	5.80e-04	-11.37
246	157	-0.12	1.17e-03	1.60e-06	-0.13	0.0	2.34	-3.39	4.13e-03	0.02	-5.13e-04	-0.12
		-1.50	-5.13e-04	9.46e-05	0.0	40.0	2.34	-3.51	4.13e-03	0.02	1.17e-03	-1.50
246	158	2.65	7.83e-03	-2.88e-05	-0.13	0.0	-2.75	3.97	-0.02	-0.05	7.83e-03	1.10
		1.10	5.29e-04	-9.12e-05	0.0	40.0	-2.75	3.84	-0.02	-0.05	5.29e-04	2.65
246	160	8.02	7.11e-03	-1.63e-04	-0.13	0.0	-2.75	12.49	-0.02	-0.07	7.11e-03	3.05
		3.05	6.12e-04	3.99e-05	0.0	40.0	-2.75	12.37	-0.02	-0.07	6.12e-04	8.02
246	163	-2.08	1.09e-03	1.35e-04	-0.13	0.0	2.35	-11.91	2.24e-03	0.03	2.13e-04	-2.08
		-6.86	2.13e-04	-3.66e-05	0.0	40.0	2.35	-12.04	2.24e-03	0.03	1.09e-03	-6.86
246	177	11.94	1.18e-03	-3.16e-04	-0.13	0.0	0.82	18.22	-3.00e-04	-0.03	1.18e-03	4.68
		4.68	1.11e-03	2.03e-04	0.0	40.0	0.82	18.09	-3.00e-04	-0.03	1.11e-03	11.94
246	178	-3.70	6.14e-03	2.88e-04	-0.13	0.0	-1.22	-17.64	-0.01	-2.57e-03	6.14e-03	-3.70
		-10.78	5.90e-04	-2.00e-04	0.0	40.0	-1.22	-17.77	-0.01	-2.57e-03	5.90e-04	-10.78
246	189	-0.10	1.16e-03	3.88e-06	-0.13	0.0	2.30	-3.33	3.98e-03	0.02	-4.57e-04	-0.10
		-1.45	-4.57e-04	9.65e-05	0.0	40.0	2.30	-3.45	3.98e-03	0.02	1.16e-03	-1.45
246	190	2.61	7.78e-03	-3.19e-05	-0.13	0.0	-2.71	3.91	-0.02	-0.05	7.78e-03	1.08
		1.08	5.40e-04	-9.32e-05	0.0	40.0	-2.71	3.78	-0.02	-0.05	5.40e-04	2.61
246	209	13.60	1.15e-03	-3.64e-04	-0.13	0.0	0.98	20.82	8.41e-04	-0.04	7.58e-04	5.30
		5.30	7.58e-04	2.37e-04	0.0	40.0	0.98	20.69	8.41e-04	-0.04	1.15e-03	13.60
246	210	-4.32	6.56e-03	3.36e-04	-0.13	0.0	-1.38	-20.24	-0.01	-2.86e-04	6.56e-03	-4.32
		-12.44	5.49e-04	-2.33e-04	0.0	40.0	-1.38	-20.36	-0.01	-2.86e-04	5.49e-04	-12.44
246	221	-0.20	1.21e-03	7.10e-06	-0.13	0.0	2.71	-3.92	5.78e-03	0.02	-1.13e-03	-0.20
		-1.79	-1.13e-03	1.15e-04	0.0	40.0	2.71	-4.05	5.78e-03	0.02	1.21e-03	-1.79
246	222	2.94	8.46e-03	-3.52e-05	-0.13	0.0	-3.11	4.50	-0.02	-0.06	8.46e-03	1.17
		1.17	4.91e-04	-1.11e-04	0.0	40.0	-3.11	4.38	-0.02	-0.06	4.91e-04	2.94
247	4	1.34	3.28e-03	2.66e-04	-0.98	0.0	-0.30	-0.53	-3.45e-03	-0.17	3.28e-03	1.34
		-1.12	-5.00e-03	2.02e-05	0.0	240.0	-0.30	-1.51	-3.45e-03	-0.17	-5.00e-03	-1.12
247	15	0.54	3.74e-03	-3.46e-05	-0.98	0.0	-0.56	0.41	-5.45e-03	-0.25	3.74e-03	0.33
		0.15	-9.33e-03	1.47e-05	0.0	240.0	-0.56	-0.56	-5.45e-03	-0.25	-9.33e-03	0.15
247	19	0.43	3.47e-03	-4.00e-05	-0.75	0.0	-0.51	0.41	-5.40e-03	-0.24	3.47e-03	0.16
		0.16	-9.48e-03	1.12e-05	0.0	240.0	-0.51	-0.35	-5.40e-03	-0.24	-9.48e-03	0.16
247	44	1.06	5.28e-03	1.84e-04	-0.98	0.0	0.16	-0.26	2.32e-03	0.09	-2.73e-04	1.06
		-0.74	-2.73e-04	7.29e-06	0.0	240.0	0.16	-1.24	2.32e-03	0.09	5.28e-03	-0.74
247	48	0.88	5.13e-03	1.58e-04	-0.75	0.0	0.20	-0.26	2.36e-03	0.09	-5.41e-04	0.88
		-0.65	-5.41e-04	3.84e-06	0.0	240.0	0.20	-1.02	2.36e-03	0.09	5.13e-03	-0.65
247	68	0.88	2.25e-03	1.66e-04	-0.75	0.0	-0.23	-0.27	-2.31e-03	-0.11	2.25e-03	0.88
		-0.67	-3.30e-03	1.44e-05	0.0	240.0	-0.23	-1.02	-2.31e-03	-0.11	-3.30e-03	-0.67
247	72	0.42	2.55e-03	-3.29e-05	-0.75	0.0	-0.40	0.36	-3.64e-03	-0.17	2.55e-03	0.21
		0.18	-6.19e-03	1.07e-05	0.0	240.0	-0.40	-0.39	-3.64e-03	-0.17	-6.19e-03	0.18
247	88	0.70	3.55e-03	1.11e-04	-0.75	0.0	0.07	-0.09	1.53e-03	0.06	-1.27e-04	0.70
		-0.42	-1.27e-04	5.80e-06	0.0	240.0	0.07	-0.84	1.53e-03	0.06	3.55e-03	-0.42
247	98	0.64	8.90e-04	9.97e-05	-0.75	0.0	-0.14	-0.04	-1.68e-04	-0.02	8.90e-04	0.64
		-0.35	4.87e-04	1.14e-05	0.0	240.0	-0.14	-0.79	-1.68e-04	-0.02	4.87e-04	-0.35
247	102	0.42	1.01e-03	-3.53e-05	-0.75	0.0	-0.24	0.37	-8.21e-04	-0.04	1.01e-03	0.21
		0.19	-9.63e-04	9.31e-06	0.0	240.0	-0.24	-0.38	-8.21e-04	-0.04	-9.63e-04	0.19
247	103	0.58	1.24e-03	8.47e-05	-0.75	0.0	-0.19	0.02	-8.66e-04	-0.05	1.24e-03	0.58
		-0.28	-8.40e-04	1.14e-05	0.0	240.0	-0.19	-0.73	-8.66e-04	-0.05	-8.40e-04	-0.28
247	105	0.58	1.07e-03	8.29e-05	-0.75	0.0	-0.11	0.02	1.80e-04	-3.06e-03	6.32e-04	0.58
		-0.27	6.32e-04	9.74e-06	0.0	240.0	-0.11	-0.73	1.80e-04	-3.06e-03	1.07e-03	-0.27
247	106	0.43	6.20e-04	-3.59e-05	-0.75	0.0	-0.20	0.37	-1.15e-04	-0.01	6.20e-04	0.21
		0.19	3.43e-04	8.95e-06	0.0	240.0	-0.20	-0.38	-1.15e-04	-0.01	3.43e-04	0.19
247	107	0.58	8.52e-04	8.37e-05	-0.75	0.0	-0.15	0.02	-1.61e-04	-0.02	8.52e-04	0.58
		-0.27	4.66e-04	1.10e-05	0.0	240.0	-0.15	-0.73	-1.61e-04	-0.02	4.66e-04	-0.27
247	108	11.18	9.28e-04	4.01e-04	-0.75	0.0	1.14	-9.42	-2.02e-04	-0.05	9.28e-04	11.18
		-12.33	4.43e-04	1.10e-03	0.0	240.0	1.14	-10.17	-2.02e-04	-0.05	4.43e-04	-12.33
247	111	11.79	7.76e-04	-2.82e-04	-0.75	0.0	-1.43	9.46	-1.19e-04	0.01	7.76e-04	-10.03
		-10.03	4.89e-04	-1.08e-03	0.0	240.0	-1.43	8.71	-1.19e-04	0.01	4.89e-04	11.79
247	133	8.01	1.21e-03	4.67e-04	-0.75	0.0	2.24	-6.55	-8.38e-04	-4.37e-03	1.21e-03	8.01
		-8.60	-8.06e-04	2.24e-04	0.0	240.0	2.24	-7.30	-8.38e-04	-4.37e-03	-8.06e-04	-8.60
247	134	8.06	1.74e-03	-3.29e-04	-0.75	0.0	-2.53	6.59	5.17e-04	-0.03	4.96e-04	-6.85
		-6.85	4.96e-04	-2.02e-04	0.0	240.0	-2.53	5.84	5.17e-04	-0.03	1.74e-03	-6.85
247	140	12.51	9.37e-04	4.44e-04	-0.75	0.0	1.30	-10.60	-2.08e-04	-0.05	9.37e-04	12.51
		-13.84	4.40e-04	1.24e-03	0.0	240.0	1.30	-11.35	-2.08e-04	-0.05	4.40e-04	-13.84
247	143	13.29	7.67e-04	-3.25e-04	-0.75	0.0	-1.60	10.64	-1.14e-04	0.02	7.67e-04	-11.35
		-11.35	4.92e-04	-1.21e-03	0.0	240.0	-1.60	9.89	-1.14e-04	0.02	4.92e-04	13.29
247	165	8.93	1.25e-03	5.17e-04	-0.75	0.0	2.54	-7.36	-9.23e-04	-2.69e-03	1.25e-03	8.93
		-9.64	-9.64e-04	2.50e-04	0.0	240.0	2.54	-8.11	-9.23e-04	-2.69e-03	-9.64e-04	-9.64
247	166	9.09	1.90e-03	-3.79e-04	-0.75	0.0	-2.83	7.40	6.01e-04	-0.03	4.51e-04	-7.77
		-7.77	4.51e-04	-2.28e-04	0.0	240.0	-2.83	6.65	6.01e-04	-0.03	1.90e-03	9.09
247	172	11.92	9.31e-04	4.55e-04	-0.75	0.0	1.24	-10.07	-2.01e-04	-0.05	9.31e-04	11.92
		-13.15	4.50e-04	1.21e-03	0.0	240.0	1.24	-10.82	-2.01e-04	-0.05	4.50e-04	-13.15

247	175	12.60	7.72e-04	-3.34e-04	-0.75	0.0	-1.54	10.11	-1.21e-04	0.02	7.72e-04	-10.76
		-10.76	4.82e-04	-1.19e-03	0.0	240.0	-1.54	9.36	-1.21e-04	0.02	4.82e-04	12.60
247	197	8.58	1.24e-03	5.26e-04	-0.75	0.0	2.48	-7.04	-9.09e-04	-3.25e-03	1.24e-03	8.58
		-9.22	-9.39e-04	2.29e-04	0.0	240.0	2.48	-7.79	-9.09e-04	-3.25e-03	-9.39e-04	-9.22
247	198	8.67	1.87e-03	-3.86e-04	-0.75	0.0	-2.78	7.08	5.87e-04	-0.03	4.60e-04	-7.42
		-7.42	4.60e-04	-2.07e-04	0.0	240.0	-2.78	6.33	5.87e-04	-0.03	1.87e-03	8.67
247	204	13.57	9.42e-04	5.28e-04	-0.75	0.0	1.45	-11.53	-2.05e-04	-0.06	9.42e-04	13.57
		-15.00	4.52e-04	1.41e-03	0.0	240.0	1.45	-12.28	-2.05e-04	-0.06	4.52e-04	-15.00
247	207	14.46	7.61e-04	-4.06e-04	-0.75	0.0	-1.74	11.57	-1.17e-04	0.02	7.61e-04	-12.42
		-12.42	4.80e-04	-1.39e-03	0.0	240.0	-1.74	10.82	-1.17e-04	0.02	4.80e-04	14.46
247	229	9.78	1.31e-03	6.07e-04	-0.75	0.0	2.90	-8.09	-1.03e-03	-9.89e-04	1.31e-03	9.78
		-10.55	-1.16e-03	2.57e-04	0.0	240.0	2.90	-8.84	-1.03e-03	-9.89e-04	-1.16e-03	-10.55
247	230	10.00	2.10e-03	-4.66e-04	-0.75	0.0	-3.19	8.14	7.07e-04	-0.04	3.97e-04	-8.62
		-8.62	3.97e-04	-2.35e-04	0.0	240.0	-3.19	7.38	7.07e-04	-0.04	2.10e-03	10.00
248	8	0.23	-5.63e-03	1.52e-05	-0.09	0.0	0.12	0.39	-0.04	-0.10	-5.63e-03	0.12
		0.12	-0.02	2.53e-06	0.0	30.0	0.12	0.30	-0.04	-0.10	-0.02	0.23
248	9	0.31	-5.70e-03	1.16e-05	-0.12	0.0	0.03	0.35	-0.04	-0.10	-5.70e-03	0.22
		0.22	-0.02	2.45e-06	0.0	30.0	0.03	0.23	-0.04	-0.10	-0.02	0.31
248	18	0.30	-9.90e-03	1.63e-05	-0.12	0.0	0.06	0.44	-0.06	-0.16	-9.90e-03	0.19
		0.19	-0.03	3.02e-06	0.0	30.0	0.06	0.32	-0.06	-0.16	-0.03	0.30
248	19	0.24	-0.01	7.63e-06	-0.09	0.0	-0.08	0.24	-0.05	-0.15	-0.01	0.18
		0.18	-0.03	1.78e-06	0.0	30.0	-0.08	0.14	-0.05	-0.15	-0.03	0.24
248	44	0.30	0.01	1.58e-05	-0.12	0.0	0.31	0.42	0.01	0.05	6.05e-03	0.19
		0.19	6.05e-03	0.0	0.0	30.0	0.31	0.30	0.01	0.05	0.01	0.30
248	45	0.23	0.01	7.07e-06	-0.09	0.0	0.17	0.22	0.02	0.06	5.49e-03	0.18
		0.18	5.49e-03	0.0	0.0	30.0	0.17	0.12	0.02	0.06	0.01	0.23
248	68	0.23	-3.58e-03	1.30e-05	-0.09	0.0	0.11	0.34	-0.03	-0.07	-3.58e-03	0.14
		0.14	-0.01	2.14e-06	0.0	30.0	0.11	0.25	-0.03	-0.07	-0.01	0.23
248	69	0.24	-3.76e-03	8.47e-06	-0.09	0.0	0.03	0.26	-0.03	-0.07	-3.76e-03	0.17
		0.17	-0.01	1.76e-06	0.0	30.0	0.03	0.17	-0.03	-0.07	-0.01	0.24
248	72	0.24	-6.80e-03	7.97e-06	-0.09	0.0	-0.02	0.24	-0.04	-0.11	-6.80e-03	0.18
		0.18	-0.02	1.64e-06	0.0	30.0	-0.02	0.15	-0.04	-0.11	-0.02	0.24
248	75	0.23	-6.56e-03	1.16e-05	-0.09	0.0	0.04	0.32	-0.04	-0.11	-6.56e-03	0.15
		0.15	-0.02	2.14e-06	0.0	30.0	0.04	0.22	-0.04	-0.11	-0.02	0.23
248	85	0.23	8.33e-03	7.60e-06	-0.09	0.0	0.14	0.23	0.01	0.04	3.83e-03	0.18
		0.18	3.83e-03	0.0	0.0	30.0	0.14	0.14	0.01	0.04	8.33e-03	0.23
248	88	0.23	7.62e-03	1.13e-05	-0.09	0.0	0.21	0.31	7.45e-03	0.03	4.07e-03	0.15
		0.15	4.07e-03	0.0	0.0	30.0	0.21	0.21	7.45e-03	0.03	7.62e-03	0.23
248	98	0.23	6.27e-04	1.12e-05	-0.09	0.0	0.13	0.30	-9.90e-03	-0.01	6.27e-04	0.15
		0.15	-1.78e-03	1.62e-06	0.0	30.0	0.13	0.21	-9.90e-03	-0.01	-1.78e-03	0.23
248	99	0.24	4.83e-04	7.90e-06	-0.09	0.0	0.07	0.24	-7.49e-03	-0.01	4.83e-04	0.18
		0.18	-1.33e-03	1.31e-06	0.0	30.0	0.07	0.14	-7.49e-03	-0.01	-1.33e-03	0.24
248	102	0.24	-9.97e-04	7.83e-06	-0.09	0.0	0.05	0.24	-0.01	-0.03	-9.97e-04	0.18
		0.18	-4.89e-03	1.34e-06	0.0	30.0	0.05	0.14	-0.01	-0.03	-4.89e-03	0.24
248	103	0.23	-8.49e-04	1.07e-05	-0.09	0.0	0.10	0.29	-0.02	-0.03	-8.49e-04	0.16
		0.16	-5.34e-03	1.65e-06	0.0	30.0	0.10	0.20	-0.02	-0.03	-5.34e-03	0.23
248	105	0.23	1.28e-03	1.06e-05	-0.09	0.0	0.13	0.29	-5.86e-03	-4.09e-03	1.28e-03	0.16
		0.16	2.08e-04	1.38e-06	0.0	30.0	0.13	0.20	-5.86e-03	-4.09e-03	2.08e-04	0.23
248	106	0.23	4.55e-04	7.79e-06	-0.09	0.0	0.07	0.23	-7.13e-03	-0.01	4.55e-04	0.18
		0.18	-1.25e-03	1.26e-06	0.0	30.0	0.07	0.14	-7.13e-03	-0.01	-1.25e-03	0.23
248	107	0.23	6.03e-04	1.07e-05	-0.09	0.0	0.12	0.29	-9.51e-03	-0.01	6.03e-04	0.16
		0.16	-1.71e-03	1.57e-06	0.0	30.0	0.12	0.20	-9.51e-03	-0.01	-1.71e-03	0.23
248	108	8.05e-03	3.72e-04	-1.85e-06	-0.09	0.0	2.07	2.26	-0.01	-0.02	3.72e-04	-0.66
		-0.66	-2.60e-03	1.37e-04	0.0	30.0	2.07	2.16	-0.01	-0.02	-2.60e-03	8.05e-03
248	110	0.75	9.87e-04	1.43e-06	-0.09	0.0	-2.24	-1.15	-4.56e-03	-5.33e-03	9.87e-04	0.75
		0.39	-2.44e-04	-1.47e-04	0.0	30.0	-2.24	-1.25	-4.56e-03	-5.33e-03	-2.44e-04	0.39
248	111	0.97	8.33e-04	2.32e-05	-0.09	0.0	-1.84	-1.68	-6.92e-03	-2.62e-03	8.33e-04	0.97
		0.45	-8.20e-04	-1.34e-04	0.0	30.0	-1.84	-1.77	-6.92e-03	-2.62e-03	-8.20e-04	0.45
248	113	0.01	3.70e-04	0.0	-0.09	0.0	2.59	2.25	-0.01	-0.02	3.70e-04	-0.65
		-0.65	-3.30e-03	1.40e-04	0.0	30.0	2.59	2.16	-0.01	-0.02	-3.30e-03	0.01
248	114	0.96	8.35e-04	2.22e-05	-0.09	0.0	-2.36	-1.67	-4.13e-03	-2.02e-03	8.35e-04	0.96
		0.45	-1.15e-04	-1.36e-04	0.0	30.0	-2.36	-1.76	-4.13e-03	-2.02e-03	-1.15e-04	0.45
248	133	0.09	7.61e-04	-2.27e-05	-0.09	0.0	1.83	1.65	-0.02	-0.02	7.61e-04	-0.39
		-0.39	-3.45e-03	3.02e-05	0.0	30.0	1.83	1.55	-0.02	-0.02	-3.45e-03	0.09
248	140	-0.02	3.43e-04	-3.68e-06	-0.09	0.0	2.32	2.50	-0.01	-0.03	3.43e-04	-0.76
		-0.76	-2.71e-03	1.54e-04	0.0	30.0	2.32	2.41	-0.01	-0.03	-2.71e-03	-0.02
248	142	0.82	1.04e-03	0.0	-0.09	0.0	-2.53	-1.33	-3.95e-03	-4.31e-03	1.04e-03	0.82
		0.41	-6.25e-05	-1.66e-04	0.0	30.0	-2.53	-1.43	-3.95e-03	-4.31e-03	-6.25e-05	0.41
248	143	1.07	8.63e-04	2.50e-05	-0.09	0.0	-2.08	-1.92	-6.60e-03	-1.26e-03	8.63e-04	1.07
		0.48	-7.07e-04	-1.51e-04	0.0	30.0	-2.08	-2.02	-6.60e-03	-1.26e-03	-7.07e-04	0.48
248	145	-0.01	3.41e-04	-2.56e-06	-0.09	0.0	2.90	2.49	-0.02	-0.03	3.41e-04	-0.75
		-0.75	-3.50e-03	1.57e-04	0.0	30.0	2.90	2.40	-0.02	-0.03	-3.50e-03	-0.01
248	146	1.06	8.65e-04	2.39e-05	-0.09	0.0	-2.66	-1.91	-3.47e-03	-5.86e-04	8.65e-04	1.06
		0.47	8.33e-05	-1.54e-04	0.0	30.0	-2.66	-2.01	-3.47e-03	-5.86e-04	8.33e-05	0.47
248	165	0.07	7.80e-04	-2.70e-05	-0.09	0.0	2.04	1.82	-0.02	-0.02	7.80e-04	-0.46

		-0.46	-3.67e-03	3.37e-05	0.0	30.0	2.04	1.72	-0.02	-0.02	-3.67e-03	0.07
248	172	-8.02e-03	3.36e-04	-1.22e-05	-0.09	0.0	2.22	2.40	-0.01	-0.03	3.36e-04	-0.71
		-0.71	-2.65e-03	1.51e-04	0.0	30.0	2.22	2.30	-0.01	-0.03	-2.65e-03	-8.02e-03
248	175	1.03	8.70e-04	3.35e-05	-0.09	0.0	-1.99	-1.82	-6.82e-03	-1.86e-03	8.70e-04	1.03
		0.47	-7.70e-04	-1.48e-04	0.0	30.0	-1.99	-1.91	-6.82e-03	-1.86e-03	-7.70e-04	0.47
248	177	-1.11e-03	3.36e-04	-1.16e-05	-0.09	0.0	2.77	2.39	-0.02	-0.03	3.36e-04	-0.70
		-0.70	-3.41e-03	1.54e-04	0.0	30.0	2.77	2.29	-0.02	-0.03	-3.41e-03	-1.11e-03
248	178	1.02	8.69e-04	3.29e-05	-0.09	0.0	-2.54	-1.81	-3.81e-03	-1.13e-03	8.69e-04	1.02
		0.46	-7.85e-06	-1.51e-04	0.0	30.0	-2.54	-1.90	-3.81e-03	-1.13e-03	-7.85e-06	0.46
248	179	0.80	1.03e-03	1.02e-05	-0.09	0.0	-1.84	-1.26	-7.36e-03	-5.47e-03	1.03e-03	0.80
		0.41	-9.28e-04	-1.62e-04	0.0	30.0	-1.84	-1.35	-7.36e-03	-5.47e-03	-9.28e-04	0.41
248	197	0.08	7.71e-04	-3.04e-05	-0.09	0.0	1.97	1.75	-0.02	-0.02	7.71e-04	-0.43
		-0.43	-3.61e-03	3.11e-05	0.0	30.0	1.97	1.66	-0.02	-0.02	-3.61e-03	0.08
248	204	-0.04	2.86e-04	-2.10e-05	-0.09	0.0	2.53	2.70	-0.01	-0.03	2.86e-04	-0.84
		-0.84	-2.77e-03	1.76e-04	0.0	30.0	2.53	2.61	-0.01	-0.03	-2.77e-03	-0.04
248	207	1.15	9.19e-04	4.24e-05	-0.09	0.0	-2.30	-2.12	-6.50e-03	-1.34e-04	9.19e-04	1.15
		0.50	-6.45e-04	-1.73e-04	0.0	30.0	-2.30	-2.22	-6.50e-03	-1.34e-04	-6.45e-04	0.50
248	209	-0.03	2.88e-04	-2.06e-05	-0.09	0.0	3.17	2.69	-0.02	-0.03	2.88e-04	-0.83
		-0.83	-3.65e-03	1.80e-04	0.0	30.0	3.17	2.60	-0.02	-0.03	-3.65e-03	-0.03
248	210	1.14	9.17e-04	4.19e-05	-0.09	0.0	-2.93	-2.11	-3.02e-03	7.39e-04	9.17e-04	1.14
		0.49	2.36e-04	-1.76e-04	0.0	30.0	-2.93	-2.21	-3.02e-03	7.39e-04	2.36e-04	0.49
248	211	0.89	1.11e-03	1.53e-05	-0.09	0.0	-2.13	-1.48	-7.14e-03	-4.33e-03	1.11e-03	0.89
		0.43	-8.33e-04	-1.90e-04	0.0	30.0	-2.13	-1.57	-7.14e-03	-4.33e-03	-8.33e-04	0.43
248	229	0.05	7.99e-04	-3.91e-05	-0.09	0.0	2.25	1.97	-0.02	-0.03	7.99e-04	-0.52
		-0.52	-3.91e-03	3.51e-05	0.0	30.0	2.25	1.88	-0.02	-0.03	-3.91e-03	0.05
249	4	0.37	-5.74e-03	2.20e-05	-0.12	0.0	-0.38	0.31	0.07	0.05	-0.02	0.30
		0.30	-0.02	2.78e-06	0.0	30.0	-0.38	0.19	0.07	0.05	-5.74e-03	0.37
249	16	0.34	-0.01	1.50e-05	-0.12	0.0	-0.74	0.18	0.11	0.08	-0.03	0.31
		0.31	-0.03	2.41e-06	0.0	30.0	-0.74	0.06	0.11	0.08	-0.01	0.34
249	18	0.36	-0.01	2.00e-05	-0.12	0.0	-0.68	0.27	0.11	0.08	-0.03	0.30
		0.30	-0.03	2.87e-06	0.0	30.0	-0.68	0.15	0.11	0.08	-0.01	0.36
249	31	0.28	7.58e-03	1.71e-05	-0.09	0.0	0.40	0.24	-0.02	-0.03	7.58e-03	0.22
		0.22	3.60e-03	0.0	0.0	30.0	0.40	0.15	-0.02	-0.03	3.60e-03	0.28
249	45	0.25	0.02	9.79e-06	-0.09	0.0	0.56	0.11	-0.05	-0.05	0.02	0.23
		0.23	5.47e-03	0.0	0.0	30.0	0.56	0.01	-0.05	-0.05	5.47e-03	0.25
249	47	0.27	0.01	1.48e-05	-0.09	0.0	0.62	0.20	-0.05	-0.05	0.01	0.23
		0.23	5.61e-03	0.0	0.0	30.0	0.62	0.11	-0.05	-0.05	5.61e-03	0.27
249	68	0.28	-3.79e-03	1.58e-05	-0.09	0.0	-0.26	0.22	0.05	0.03	-0.01	0.23
		0.23	-0.01	1.97e-06	0.0	30.0	-0.26	0.12	0.05	0.03	-3.79e-03	0.28
249	73	0.26	-6.75e-03	1.11e-05	-0.09	0.0	-0.50	0.13	0.07	0.06	-0.02	0.24
		0.24	-0.02	1.72e-06	0.0	30.0	-0.50	0.03	0.07	0.06	-6.75e-03	0.26
249	75	0.28	-6.66e-03	1.44e-05	-0.09	0.0	-0.46	0.19	0.07	0.05	-0.02	0.23
		0.23	-0.02	2.03e-06	0.0	30.0	-0.46	0.10	0.07	0.05	-6.66e-03	0.28
249	79	0.27	4.63e-03	1.52e-05	-0.09	0.0	0.26	0.21	-0.01	-0.02	4.63e-03	0.23
		0.23	2.51e-03	0.0	0.0	30.0	0.26	0.11	-0.01	-0.02	2.51e-03	0.27
249	85	0.26	9.64e-03	1.03e-05	-0.09	0.0	0.37	0.12	-0.03	-0.03	9.64e-03	0.23
		0.23	3.76e-03	0.0	0.0	30.0	0.37	0.02	-0.03	-0.03	3.76e-03	0.26
249	87	0.27	9.15e-03	1.37e-05	-0.09	0.0	0.40	0.18	-0.03	-0.03	9.15e-03	0.23
		0.23	3.85e-03	0.0	0.0	30.0	0.40	0.09	-0.03	-0.03	3.85e-03	0.27
249	98	0.27	4.02e-04	1.39e-05	-0.09	0.0	6.73e-03	0.18	6.28e-03	-3.65e-03	-1.62e-03	0.23
		0.23	-1.62e-03	1.44e-06	0.0	30.0	6.73e-03	0.09	6.28e-03	-3.65e-03	4.02e-04	0.27
249	102	0.26	-1.11e-03	1.06e-05	-0.09	0.0	-0.12	0.12	0.02	8.88e-03	-5.24e-03	0.24
		0.24	-5.24e-03	1.23e-06	0.0	30.0	-0.12	0.02	0.02	8.88e-03	-1.11e-03	0.26
249	103	0.27	-1.03e-03	1.35e-05	-0.09	0.0	-0.09	0.17	0.02	8.19e-03	-5.66e-03	0.23
		0.23	-5.66e-03	1.49e-06	0.0	30.0	-0.09	0.08	0.02	8.19e-03	-1.03e-03	0.27
249	105	0.27	1.08e-03	1.34e-05	-0.09	0.0	0.08	0.17	-1.18e-03	-9.41e-03	6.01e-04	0.23
		0.23	6.01e-04	1.20e-06	0.0	30.0	0.08	0.08	-1.18e-03	-9.41e-03	1.08e-03	0.27
249	106	0.26	3.10e-04	1.06e-05	-0.09	0.0	-0.03	0.12	4.41e-03	-2.85e-03	-1.13e-03	0.23
		0.23	-1.13e-03	1.13e-06	0.0	30.0	-0.03	0.02	4.41e-03	-2.85e-03	3.10e-04	0.26
249	107	0.27	3.88e-04	1.34e-05	-0.09	0.0	1.49e-03	0.17	6.01e-03	-3.54e-03	-1.55e-03	0.23
		0.23	-1.55e-03	1.40e-06	0.0	30.0	1.49e-03	0.08	6.01e-03	-3.54e-03	3.88e-04	0.27
249	113	0.65	1.44e-03	-1.32e-05	-0.09	0.0	-1.13	2.17	0.01	-0.01	-2.21e-03	0.01
		0.01	-2.21e-03	1.40e-04	0.0	30.0	-1.13	2.08	0.01	-0.01	1.44e-03	0.65
249	114	0.45	-6.63e-04	4.00e-05	-0.09	0.0	1.13	-1.83	3.22e-04	6.89e-03	-8.96e-04	0.45
		-0.12	-8.96e-04	-1.37e-04	0.0	30.0	1.13	-1.92	3.22e-04	6.89e-03	-6.63e-04	-0.12
249	124	0.52	2.62e-03	-2.78e-05	-0.09	0.0	-3.15	1.56	0.02	0.03	-3.87e-03	0.07
		0.07	-3.87e-03	2.17e-05	0.0	30.0	-3.15	1.47	0.02	0.03	2.62e-03	0.52
249	127	0.39	7.66e-04	5.47e-05	-0.09	0.0	3.15	-1.22	-9.14e-03	-0.03	7.66e-04	0.39
		0.01	-1.85e-03	-1.89e-05	0.0	30.0	3.15	-1.32	-9.14e-03	-0.03	-1.85e-03	0.01
249	145	0.70	1.57e-03	-1.68e-05	-0.09	0.0	-1.27	2.42	0.01	-0.02	-2.29e-03	-0.01
		-0.01	-2.29e-03	1.57e-04	0.0	30.0	-1.27	2.33	0.01	-0.02	1.57e-03	0.70
249	146	0.47	-7.95e-04	4.37e-05	-0.09	0.0	1.27	-2.08	-3.94e-04	8.18e-03	-8.13e-04	0.47
		-0.17	-8.13e-04	-1.54e-04	0.0	30.0	1.27	-2.17	-3.94e-04	8.18e-03	-7.95e-04	-0.17
249	156	0.56	2.90e-03	-3.30e-05	-0.09	0.0	-3.54	1.74	0.02	0.03	4.16e-03	0.05
		0.05	-4.16e-03	2.40e-05	0.0	30.0	-3.54	1.64	0.02	0.03	2.90e-03	0.56

249	159	0.41	1.05e-03	5.98e-05	-0.09	0.0	3.55	-1.39	-0.01	-0.04	1.05e-03	0.41
		-0.02	-2.12e-03	-2.12e-05	0.0	30.0	3.55	-1.49	-0.01	-0.04	-2.12e-03	-0.02
249	177	0.68	1.50e-03	-2.48e-05	-0.09	0.0	-1.20	2.31	0.01	-0.01	-2.25e-03	-1.12e-03
		-1.12e-03	-2.25e-03	1.54e-04	0.0	30.0	-1.20	2.22	0.01	-0.01	1.50e-03	0.68
249	178	0.46	-7.27e-04	5.17e-05	-0.09	0.0	1.20	-1.97	-2.73e-05	7.85e-03	-8.53e-04	0.46
		-0.15	-8.53e-04	-1.51e-04	0.0	30.0	1.20	-2.07	-2.73e-05	7.85e-03	-7.27e-04	-0.15
249	188	0.54	2.84e-03	-3.44e-05	-0.09	0.0	-3.47	1.67	0.02	0.03	-4.11e-03	0.05
		0.05	-4.11e-03	2.14e-05	0.0	30.0	-3.47	1.58	0.02	0.03	2.84e-03	0.54
249	191	0.41	1.00e-03	6.13e-05	-0.09	0.0	3.47	-1.33	-0.01	-0.04	1.00e-03	0.41
		-7.79e-03	-2.07e-03	-1.86e-05	0.0	30.0	3.47	-1.42	-0.01	-0.04	-2.07e-03	-7.79e-03
249	209	0.74	1.66e-03	-3.60e-05	-0.09	0.0	-1.37	2.63	0.01	-0.02	-2.35e-03	-0.03
		-0.03	-2.35e-03	1.80e-04	0.0	30.0	-1.37	2.53	0.01	-0.02	1.66e-03	0.74
249	210	0.49	-7.53e-04	6.28e-05	-0.09	0.0	1.37	-2.28	-8.70e-04	9.69e-03	-7.53e-04	0.49
		-0.21	-8.81e-04	-1.77e-04	0.0	30.0	1.37	-2.38	-8.70e-04	9.69e-03	-8.81e-04	-0.21
249	220	0.58	3.23e-03	-4.33e-05	-0.09	0.0	-4.02	1.90	0.03	0.03	-4.52e-03	0.03
		0.03	-4.52e-03	2.32e-05	0.0	30.0	-4.02	1.80	0.03	0.03	3.23e-03	0.58
249	223	0.43	1.41e-03	7.01e-05	-0.09	0.0	4.03	-1.55	-0.01	-0.04	1.41e-03	0.43
		-0.05	-2.46e-03	-2.04e-05	0.0	30.0	4.03	-1.65	-0.01	-0.04	-2.46e-03	-0.05
250	4	3.90	3.13e-03	7.50e-04	-0.98	0.0	-0.49	-3.06	4.13e-03	0.16	-6.77e-03	3.90
		-4.62	-6.77e-03	2.53e-05	0.0	240.0	-0.49	-4.04	4.13e-03	0.16	3.13e-03	-4.62
250	16	2.95	3.79e-03	5.71e-04	-0.98	0.0	-0.80	-2.12	6.57e-03	0.26	-0.01	2.95
		-3.31	-0.01	2.23e-05	0.0	240.0	-0.80	-3.10	6.57e-03	0.26	3.79e-03	-3.31
250	19	2.07	3.43e-03	4.05e-04	-0.75	0.0	-0.74	-1.44	6.48e-03	0.26	-0.01	2.07
		-2.28	-0.01	1.69e-05	0.0	240.0	-0.74	-2.19	6.48e-03	0.26	3.43e-03	-2.28
250	44	3.52	6.73e-03	6.78e-04	-0.98	0.0	0.28	-2.69	-3.05e-03	-0.13	6.73e-03	3.52
		-4.12	-5.79e-04	6.29e-06	0.0	240.0	0.28	-3.67	-3.05e-03	-0.13	-5.79e-04	-4.12
250	47	2.63	6.58e-03	5.12e-04	-0.75	0.0	0.34	-2.01	-3.13e-03	-0.13	6.58e-03	2.63
		-3.09	-9.38e-04	0.0	0.0	240.0	0.34	-2.76	-3.13e-03	-0.13	-9.38e-04	-3.09
250	68	2.83	2.13e-03	5.46e-04	-0.75	0.0	-0.35	-2.19	2.75e-03	0.10	-4.47e-03	2.83
		-3.33	-4.47e-03	1.79e-05	0.0	240.0	-0.35	-2.95	2.75e-03	0.10	2.13e-03	-3.33
250	72	2.11	2.48e-03	4.12e-04	-0.75	0.0	-0.55	-1.48	4.35e-03	0.17	-7.96e-03	2.11
		-2.34	-7.96e-03	1.49e-05	0.0	240.0	-0.55	-2.23	4.35e-03	0.17	2.48e-03	-2.34
250	73	2.20	2.57e-03	4.27e-04	-0.75	0.0	-0.56	-1.56	4.38e-03	0.17	-7.94e-03	2.20
		-2.46	-7.94e-03	1.59e-05	0.0	240.0	-0.56	-2.32	4.38e-03	0.17	2.57e-03	-2.46
250	87	2.48	4.51e-03	4.83e-04	-0.75	0.0	0.17	-1.86	-2.06e-03	-0.09	4.51e-03	2.48
		-2.88	-4.34e-04	4.18e-06	0.0	240.0	0.17	-2.61	-2.06e-03	-0.09	-4.34e-04	-2.88
250	88	2.58	4.53e-03	4.98e-04	-0.75	0.0	0.16	-1.95	-2.03e-03	-0.09	4.53e-03	2.58
		-3.00	-3.46e-04	5.22e-06	0.0	240.0	0.16	-2.70	-2.03e-03	-0.09	-3.46e-04	-3.00
250	98	2.52	7.44e-04	4.90e-04	-0.75	0.0	-0.13	-1.89	1.23e-04	6.60e-04	4.49e-04	2.52
		-2.92	4.49e-04	1.27e-05	0.0	240.0	-0.13	-2.64	1.23e-04	6.60e-04	7.44e-04	-2.92
250	102	2.07	8.93e-04	4.06e-04	-0.75	0.0	-0.24	-1.45	9.19e-04	0.04	-1.31e-03	2.07
		-2.30	-1.31e-03	1.09e-05	0.0	240.0	-0.24	-2.20	9.19e-04	0.04	8.93e-04	-2.30
250	105	2.45	1.25e-03	4.76e-04	-0.75	0.0	-0.07	-1.82	-3.22e-04	-0.02	1.25e-03	2.45
		-2.82	4.73e-04	1.06e-05	0.0	240.0	-0.07	-2.57	-3.22e-04	-0.02	4.73e-04	-2.82
250	106	2.06	4.96e-04	4.04e-04	-0.75	0.0	-0.17	-1.44	6.21e-05	5.39e-04	3.47e-04	2.06
		-2.30	3.47e-04	9.90e-06	0.0	240.0	-0.17	-2.19	6.21e-05	5.39e-04	4.96e-04	-2.30
250	107	2.45	7.09e-04	4.78e-04	-0.75	0.0	-0.13	-1.83	1.15e-04	6.43e-04	4.34e-04	2.45
		-2.83	4.34e-04	1.23e-05	0.0	240.0	-0.13	-2.58	1.15e-04	6.43e-04	7.09e-04	-2.83
250	108	12.22	3.18e-03	2.12e-03	-0.75	0.0	-1.82	-11.10	5.63e-04	2.84e-03	1.85e-03	12.22
		-15.32	1.85e-03	1.09e-03	0.0	240.0	-1.82	-11.85	5.63e-04	2.84e-03	3.18e-03	-15.32
250	124	9.45	3.60e-03	1.16e-03	-0.75	0.0	-2.43	-8.46	1.10e-03	0.04	3.39e-04	9.45
		-11.76	3.39e-04	1.66e-04	0.0	240.0	-2.43	-9.21	1.10e-03	0.04	3.60e-03	-11.76
250	127	6.10	5.29e-04	-2.42e-04	-0.75	0.0	2.16	4.81	-8.68e-04	-0.04	5.29e-04	-4.54
		-4.54	-2.19e-03	-1.41e-04	0.0	240.0	2.16	4.06	-8.68e-04	-0.04	-2.19e-03	6.10
250	140	13.44	3.49e-03	2.33e-03	-0.75	0.0	-2.03	-12.26	6.19e-04	3.12e-03	2.03e-03	13.44
		-16.88	2.03e-03	1.23e-03	0.0	240.0	-2.03	-13.01	6.19e-04	3.12e-03	3.49e-03	-16.88
250	156	10.31	3.97e-03	1.24e-03	-0.75	0.0	-2.72	-9.28	1.22e-03	0.04	3.32e-04	10.31
		-12.87	3.32e-04	1.83e-04	0.0	240.0	-2.72	-10.03	1.22e-03	0.04	3.97e-03	-12.87
250	159	7.20	5.37e-04	-3.23e-04	-0.75	0.0	2.45	5.63	-9.90e-04	-0.04	5.37e-04	-5.40
		-5.40	-2.55e-03	-1.59e-04	0.0	240.0	2.45	4.88	-9.90e-04	-0.04	-2.55e-03	7.20
250	172	12.88	3.34e-03	2.27e-03	-0.75	0.0	-1.97	-11.72	6.06e-04	3.33e-03	1.94e-03	12.88
		-16.15	1.94e-03	1.21e-03	0.0	240.0	-1.97	-12.47	6.06e-04	3.33e-03	3.34e-03	-16.15
250	188	9.97	3.89e-03	1.22e-03	-0.75	0.0	-2.67	-8.96	1.20e-03	0.04	3.72e-04	9.97
		-12.43	3.72e-04	1.62e-04	0.0	240.0	-2.67	-9.71	1.20e-03	0.04	3.89e-03	-12.43
250	191	6.77	4.96e-04	-3.03e-04	-0.75	0.0	2.40	5.31	-9.72e-04	-0.04	4.96e-04	-5.06
		-5.06	-2.47e-03	-1.38e-04	0.0	240.0	2.40	4.55	-9.72e-04	-0.04	-2.47e-03	6.77
250	204	14.38	3.71e-03	2.55e-03	-0.75	0.0	-2.25	-13.14	6.85e-04	3.82e-03	2.16e-03	14.38
		-18.07	2.16e-03	1.40e-03	0.0	240.0	-2.25	-13.89	6.85e-04	3.82e-03	3.71e-03	-18.07
250	220	11.09	4.39e-03	1.34e-03	-0.75	0.0	-3.08	-10.02	1.38e-03	0.05	3.73e-04	11.09
		-13.86	3.73e-04	1.75e-04	0.0	240.0	-3.08	-10.77	1.38e-03	0.05	4.39e-03	-13.86
250	223	8.20	4.96e-04	-4.18e-04	-0.75	0.0	2.81	6.37	-1.15e-03	-0.05	4.96e-04	-6.18
		-6.18	-2.98e-03	-1.50e-04	0.0	240.0	2.81	5.62	-1.15e-03	-0.05	-2.98e-03	8.20
251	16	0.42	-3.69e-03	3.14e-05	-0.23	0.0	-0.42	0.54	0.04	0.19	-3.69e-03	0.18
		0.18	-5.37e-03	5.42e-06	0.0	56.0	-0.42	0.31	0.04	0.19	-5.37e-03	0.42
251	21	0.32	-3.65e-03	2.17e-05	-0.18	0.0	-0.37	0.44	0.04	0.19	-3.65e-03	0.13

		0.13	-5.65e-03	5.14e-06	0.0	56.0	-0.37	0.27	0.04	0.19	-5.65e-03	0.32
251	27	0.46	2.39e-03	2.82e-05	-0.23	0.0	0.14	0.49	-0.03	-0.06	2.39e-03	0.24
		0.24	-8.95e-03	3.29e-06	0.0	56.0	0.14	0.26	-0.03	-0.06	-8.95e-03	0.46
251	35	0.46	2.46e-03	2.78e-05	-0.23	0.0	0.09	0.50	-0.03	-0.06	2.46e-03	0.25
		0.25	-7.96e-03	3.63e-06	0.0	56.0	0.09	0.27	-0.03	-0.06	-7.96e-03	0.46
251	44	0.46	3.13e-03	2.88e-05	-0.23	0.0	0.22	0.48	-0.04	-0.10	3.13e-03	0.26
		0.26	-8.43e-03	2.03e-06	0.0	56.0	0.22	0.25	-0.04	-0.10	-8.43e-03	0.46
251	47	0.35	2.79e-03	2.26e-05	-0.18	0.0	0.25	0.35	-0.04	-0.10	2.79e-03	0.20
		0.20	-6.95e-03	0.0	0.0	56.0	0.25	0.18	-0.04	-0.10	-6.95e-03	0.35
251	73	0.32	-2.42e-03	2.45e-05	-0.18	0.0	-0.28	0.40	0.02	0.13	-2.42e-03	0.15
		0.15	-4.08e-03	3.88e-06	0.0	56.0	-0.28	0.23	0.02	0.13	-4.08e-03	0.32
251	74	0.33	-2.25e-03	2.28e-05	-0.18	0.0	-0.26	0.42	0.02	0.13	-2.25e-03	0.14
		0.14	-5.34e-03	4.36e-06	0.0	56.0	-0.26	0.24	0.02	0.13	-5.34e-03	0.33
251	79	0.35	1.63e-03	2.24e-05	-0.18	0.0	0.09	0.37	-0.02	-0.04	1.63e-03	0.19
		0.19	-6.46e-03	2.46e-06	0.0	56.0	0.09	0.20	-0.02	-0.04	-6.46e-03	0.35
251	83	0.35	1.68e-03	2.21e-05	-0.18	0.0	0.06	0.38	-0.02	-0.04	1.68e-03	0.19
		0.19	-5.81e-03	2.68e-06	0.0	56.0	0.06	0.20	-0.02	-0.04	-5.81e-03	0.35
251	87	0.34	2.04e-03	2.34e-05	-0.18	0.0	0.15	0.36	-0.03	-0.07	2.04e-03	0.19
		0.19	-6.20e-03	1.34e-06	0.0	56.0	0.15	0.18	-0.03	-0.07	-6.20e-03	0.34
251	88	0.35	2.12e-03	2.28e-05	-0.18	0.0	0.14	0.36	-0.03	-0.07	2.12e-03	0.19
		0.19	-6.12e-03	1.62e-06	0.0	56.0	0.14	0.19	-0.03	-0.07	-6.12e-03	0.35
251	98	0.34	7.31e-04	2.33e-05	-0.18	0.0	-0.03	0.38	-0.01	-6.41e-04	7.31e-04	0.17
		0.17	-5.60e-03	3.33e-06	0.0	56.0	-0.03	0.20	-0.01	-6.41e-04	-5.60e-03	0.34
251	101	0.34	7.27e-04	2.34e-05	-0.18	0.0	-0.04	0.38	-0.01	-5.98e-04	7.27e-04	0.18
		0.18	-5.41e-03	3.33e-06	0.0	56.0	-0.04	0.20	-0.01	-5.98e-04	-5.41e-03	0.34
251	102	0.33	-1.21e-04	2.55e-05	-0.18	0.0	-0.09	0.37	-1.91e-03	0.03	-1.21e-04	0.17
		0.17	-4.37e-03	2.78e-06	0.0	56.0	-0.09	0.19	-1.91e-03	0.03	-4.37e-03	0.33
251	103	0.33	9.84e-05	2.35e-05	-0.18	0.0	-0.08	0.38	-4.20e-03	0.03	9.84e-05	0.17
		0.17	-5.38e-03	3.43e-06	0.0	56.0	-0.08	0.21	-4.20e-03	0.03	-5.38e-03	0.33
251	105	0.34	9.57e-04	2.36e-05	-0.18	0.0	6.67e-03	0.37	-0.01	-0.01	9.57e-04	0.18
		0.18	-5.56e-03	2.82e-06	0.0	56.0	6.67e-03	0.19	-0.01	-0.01	-5.56e-03	0.34
251	106	0.33	4.75e-04	2.56e-05	-0.18	0.0	-0.04	0.36	-8.62e-03	-2.92e-04	4.75e-04	0.18
		0.18	-4.43e-03	2.58e-06	0.0	56.0	-0.04	0.18	-8.62e-03	-2.92e-04	-4.43e-03	0.33
251	107	0.34	6.94e-04	2.36e-05	-0.18	0.0	-0.03	0.37	-0.01	-5.92e-04	6.94e-04	0.18
		0.18	-5.44e-03	3.22e-06	0.0	56.0	-0.03	0.20	-0.01	-5.92e-04	-5.44e-03	0.34
251	108	0.69	8.74e-03	-1.82e-03	-0.18	0.0	1.29	1.88	0.01	-3.23e-03	1.33e-03	-0.33
		-0.33	1.33e-03	2.55e-04	0.0	56.0	1.29	1.71	0.01	-3.23e-03	8.74e-03	0.69
251	111	0.68	5.85e-05	1.87e-03	-0.18	0.0	-1.35	-1.14	-0.04	2.05e-03	5.85e-05	0.68
		-0.02	-0.02	-2.48e-04	0.0	56.0	-1.35	-1.31	-0.04	2.05e-03	-0.02	-0.02
251	113	0.70	5.08e-03	-1.82e-03	-0.18	0.0	1.84	1.89	6.78e-03	-0.02	2.11e-03	-0.32
		-0.32	2.11e-03	2.63e-04	0.0	56.0	1.84	1.71	6.78e-03	-0.02	5.08e-03	0.70
251	114	0.67	-7.23e-04	1.86e-03	-0.18	0.0	-1.90	-1.14	-0.03	0.02	-7.23e-04	0.67
		-0.03	-0.02	-2.57e-04	0.0	56.0	-1.90	-1.32	-0.03	0.02	-0.02	-0.03
251	140	0.73	0.01	-2.05e-03	-0.18	0.0	1.45	2.07	0.02	-3.57e-03	1.41e-03	-0.40
		-0.40	1.41e-03	2.86e-04	0.0	56.0	1.45	1.90	0.02	-3.57e-03	0.01	0.73
251	143	0.75	-2.24e-05	2.10e-03	-0.18	0.0	-1.51	-1.33	-0.04	2.39e-03	-2.24e-05	0.75
		-0.06	-0.02	-2.80e-04	0.0	56.0	-1.51	-1.50	-0.04	2.39e-03	-0.02	-0.06
251	145	0.75	6.40e-03	-2.05e-03	-0.18	0.0	2.08	2.08	9.00e-03	-0.02	2.29e-03	-0.38
		-0.38	2.29e-03	2.96e-04	0.0	56.0	2.08	1.90	9.00e-03	-0.02	6.40e-03	0.75
251	146	0.73	-9.01e-04	2.09e-03	-0.18	0.0	-2.14	-1.33	-0.03	0.02	-9.01e-04	0.73
		-0.07	-0.02	-2.90e-04	0.0	56.0	-2.14	-1.51	-0.03	0.02	-0.02	-0.07
251	172	0.71	9.68e-03	-1.98e-03	-0.18	0.0	1.41	2.00	0.02	-3.65e-03	1.41e-03	-0.38
		-0.38	1.41e-03	2.81e-04	0.0	56.0	1.41	1.82	0.02	-3.65e-03	9.68e-03	0.71
251	175	0.73	-2.02e-05	2.03e-03	-0.18	0.0	-1.47	-1.25	-0.04	2.47e-03	-2.02e-05	0.73
		-0.04	-0.02	-2.75e-04	0.0	56.0	-1.47	-1.43	-0.04	2.47e-03	-0.02	-0.04
251	177	0.72	5.77e-03	-1.98e-03	-0.18	0.0	2.02	2.01	7.88e-03	-0.02	2.27e-03	-0.36
		-0.36	2.27e-03	2.91e-04	0.0	56.0	2.02	1.83	7.88e-03	-0.02	5.77e-03	0.72
251	178	0.71	-8.85e-04	2.03e-03	-0.18	0.0	-2.08	-1.26	-0.03	0.02	-8.85e-04	0.71
		-0.05	-0.02	-2.85e-04	0.0	56.0	-2.08	-1.43	-0.03	0.02	-0.02	-0.05
251	204	0.76	0.01	-2.30e-03	-0.18	0.0	1.64	2.24	0.02	-4.28e-03	1.53e-03	-0.46
		-0.46	1.53e-03	3.27e-04	0.0	56.0	1.64	2.07	0.02	-4.28e-03	0.01	0.76
251	207	0.81	-1.46e-04	2.34e-03	-0.18	0.0	-1.70	-1.50	-0.04	3.09e-03	-1.46e-04	0.81
		-0.09	-0.02	-3.21e-04	0.0	56.0	-1.70	-1.67	-0.04	3.09e-03	-0.02	-0.09
251	209	0.78	7.35e-03	-2.29e-03	-0.18	0.0	2.34	2.25	0.01	-0.03	2.54e-03	-0.45
		-0.45	2.54e-03	3.39e-04	0.0	56.0	2.34	2.07	0.01	-0.03	7.35e-03	0.78
251	210	0.80	-1.15e-03	2.34e-03	-0.18	0.0	-2.40	-1.50	-0.03	0.03	-1.15e-03	0.80
		-0.11	-0.02	-3.33e-04	0.0	56.0	-2.40	-1.68	-0.03	0.03	-0.02	-0.11
252	18	0.43	-0.02	5.63e-05	-0.23	0.0	0.17	-0.66	-0.02	0.14	-0.02	0.43
		0.0	-0.05	8.44e-06	0.0	56.0	0.17	-0.89	-0.02	0.14	-0.05	0.0
252	19	0.31	-0.01	4.61e-05	-0.18	0.0	0.06	-0.46	1.09e-03	0.14	-0.01	0.31
		0.0	-0.04	5.45e-06	0.0	56.0	0.06	-0.64	1.09e-03	0.14	-0.04	0.0
252	35	0.46	-5.46e-03	5.62e-05	-0.23	0.0	0.43	-0.72	-0.05	-0.03	-5.46e-03	0.46
		0.0	-0.03	4.13e-06	0.0	56.0	0.43	-0.94	-0.05	-0.03	-0.03	0.0
252	41	0.44	-2.32e-03	5.97e-05	-0.23	0.0	0.43	-0.67	-0.03	-0.06	-2.32e-03	0.44
		0.0	-0.01	0.0	0.0	56.0	0.43	-0.90	-0.03	-0.06	-0.01	0.0

252	44	0.46	-4.00e-03	5.64e-05	-0.23	0.0	0.46	-0.71	-0.04	-0.06	-4.00e-03	0.46
		0.0	-0.03	2.18e-06	0.0	56.0	0.46	-0.94	-0.04	-0.06	-0.03	0.0
252	46	0.34	-5.04e-04	4.59e-05	-0.18	0.0	0.37	-0.53	-0.02	-0.06	-5.04e-04	0.34
		0.0	-8.29e-03	0.0	0.0	56.0	0.37	-0.70	-0.02	-0.06	-8.29e-03	0.0
252	72	0.32	-0.01	4.60e-05	-0.18	0.0	0.12	-0.48	-8.17e-03	0.09	-0.01	0.32
		0.0	-0.03	4.72e-06	0.0	56.0	0.12	-0.65	-8.17e-03	0.09	-0.03	0.0
252	75	0.33	-0.01	4.38e-05	-0.18	0.0	0.15	-0.50	-0.02	0.10	-0.01	0.33
		0.0	-0.04	5.93e-06	0.0	56.0	0.15	-0.68	-0.02	0.10	-0.04	0.0
252	83	0.35	-4.17e-03	4.37e-05	-0.18	0.0	0.32	-0.54	-0.04	-0.02	-4.17e-03	0.35
		0.0	-0.02	3.06e-06	0.0	56.0	0.32	-0.72	-0.04	-0.02	-0.02	0.0
252	85	0.34	-2.08e-03	4.60e-05	-0.18	0.0	0.31	-0.51	-0.02	-0.04	-2.08e-03	0.34
		0.0	-0.01	0.0	0.0	56.0	0.31	-0.69	-0.02	-0.04	-0.01	0.0
252	86	0.34	-2.00e-03	4.59e-05	-0.18	0.0	0.32	-0.52	-0.02	-0.04	-2.00e-03	0.34
		0.0	-0.01	0.0	0.0	56.0	0.32	-0.70	-0.02	-0.04	-0.01	0.0
252	88	0.35	-3.20e-03	4.38e-05	-0.18	0.0	0.34	-0.54	-0.03	-0.04	-3.20e-03	0.35
		0.0	-0.02	1.75e-06	0.0	56.0	0.34	-0.71	-0.03	-0.04	-0.02	0.0
252	101	0.34	-5.71e-03	4.42e-05	-0.18	0.0	0.25	-0.51	-0.03	5.61e-03	-5.71e-03	0.34
		0.0	-0.03	3.86e-06	0.0	56.0	0.25	-0.69	-0.03	5.61e-03	-0.03	0.0
252	102	0.33	-5.97e-03	4.60e-05	-0.18	0.0	0.21	-0.49	-0.02	0.02	-5.97e-03	0.33
		0.0	-0.02	3.32e-06	0.0	56.0	0.21	-0.67	-0.02	0.02	-0.02	0.0
252	103	0.33	-7.01e-03	4.42e-05	-0.18	0.0	0.22	-0.51	-0.03	0.02	-7.01e-03	0.33
		0.0	-0.03	4.08e-06	0.0	56.0	0.22	-0.68	-0.03	0.02	-0.03	0.0
252	104	0.33	-4.18e-03	4.60e-05	-0.18	0.0	0.25	-0.50	-0.02	-3.94e-03	-4.18e-03	0.33
		0.0	-0.02	2.49e-06	0.0	56.0	0.25	-0.68	-0.02	-3.94e-03	-0.02	0.0
252	105	0.34	-5.22e-03	4.42e-05	-0.18	0.0	0.26	-0.51	-0.03	-3.25e-03	-5.22e-03	0.34
		0.0	-0.02	3.24e-06	0.0	56.0	0.26	-0.69	-0.03	-3.25e-03	-0.02	0.0
252	106	0.33	-4.71e-03	4.60e-05	-0.18	0.0	0.24	-0.50	-0.02	4.89e-03	-4.71e-03	0.33
		0.0	-0.02	2.97e-06	0.0	56.0	0.24	-0.67	-0.02	4.89e-03	-0.02	0.0
252	107	0.34	-5.74e-03	4.42e-05	-0.18	0.0	0.25	-0.51	-0.03	5.58e-03	-5.74e-03	0.34
		0.0	-0.03	3.73e-06	0.0	56.0	0.25	-0.69	-0.03	5.58e-03	-0.03	0.0
252	113	0.70	0.06	-4.43e-05	-0.18	0.0	1.53	-1.16	0.12	0.11	-1.36e-04	0.70
		0.0	-1.36e-04	2.64e-04	0.0	56.0	1.53	-1.34	0.12	0.11	0.06	0.0
252	114	1.97e-03	-0.01	1.33e-04	-0.18	0.0	-1.04	0.14	-0.18	-0.10	-0.01	-0.03
		-0.03	-0.11	-2.57e-04	0.0	56.0	-1.04	-0.04	-0.18	-0.10	-0.11	0.0
252	133	0.62	0.08	-6.77e-05	-0.18	0.0	1.29	-1.02	0.15	0.09	-6.13e-03	0.62
		0.0	-6.13e-03	6.78e-05	0.0	56.0	1.29	-1.19	0.15	0.09	0.08	0.0
252	134	0.05	-5.35e-03	1.56e-04	-0.18	0.0	-0.80	-4.95e-03	-0.21	-0.08	-5.35e-03	0.05
		0.0	-0.13	-6.04e-05	0.0	56.0	-0.80	-0.18	-0.21	-0.08	-0.13	0.0
252	145	0.75	0.07	-5.62e-05	-0.18	0.0	1.69	-1.24	0.14	0.12	5.67e-04	0.75
		0.0	5.67e-04	2.97e-04	0.0	56.0	1.69	-1.42	0.14	0.12	0.07	0.0
252	146	0.0	-0.01	1.45e-04	-0.18	0.0	-1.20	0.22	-0.20	-0.11	-0.01	-0.07
		-0.07	-0.13	-2.90e-04	0.0	56.0	-1.20	0.05	-0.20	-0.11	-0.13	0.0
252	165	0.65	0.09	-8.21e-05	-0.18	0.0	1.43	-1.08	0.18	0.10	-6.16e-03	0.65
		0.0	-6.16e-03	7.58e-05	0.0	56.0	1.43	-1.26	0.18	0.10	0.09	0.0
252	166	0.02	-5.32e-03	1.71e-04	-0.18	0.0	-0.93	0.06	-0.24	-0.09	-5.32e-03	0.02
		0.0	-0.14	-6.83e-05	0.0	56.0	-0.93	-0.12	-0.24	-0.09	-0.14	0.0
252	177	0.72	0.07	-7.53e-05	-0.18	0.0	1.64	-1.20	0.14	0.12	2.01e-04	0.72
		0.0	2.01e-04	2.92e-04	0.0	56.0	1.64	-1.38	0.14	0.12	0.07	0.0
252	178	0.0	-0.01	1.64e-04	-0.18	0.0	-1.15	0.18	-0.20	-0.11	-0.01	-0.05
		-0.05	-0.12	-2.85e-04	0.0	56.0	-1.15	5.96e-03	-0.20	-0.11	-0.12	0.0
252	197	0.64	0.09	-9.02e-05	-0.18	0.0	1.40	-1.06	0.17	0.10	-6.02e-03	0.64
		0.0	-6.02e-03	7.13e-05	0.0	56.0	1.40	-1.23	0.17	0.10	0.09	0.0
252	198	0.03	-5.46e-03	1.79e-04	-0.18	0.0	-0.91	0.03	-0.23	-0.09	-5.46e-03	0.03
		0.0	-0.14	-6.38e-05	0.0	56.0	-0.91	-0.14	-0.23	-0.09	-0.14	0.0
252	209	0.78	0.09	-1.07e-04	-0.18	0.0	1.86	-1.30	0.16	0.14	1.02e-03	0.78
		0.0	1.02e-03	3.40e-04	0.0	56.0	1.86	-1.48	0.16	0.14	0.09	0.0
252	210	0.0	-0.01	1.95e-04	-0.18	0.0	-1.37	0.28	-0.22	-0.12	-0.01	-0.11
		-0.11	-0.14	-3.33e-04	0.0	56.0	-1.37	0.10	-0.22	-0.12	-0.14	0.0
252	229	0.69	0.11	-1.17e-04	-0.18	0.0	1.58	-1.14	0.21	0.11	-6.03e-03	0.69
		0.0	-6.03e-03	8.15e-05	0.0	56.0	1.58	-1.31	0.21	0.11	0.11	0.0
252	230	5.56e-03	-5.45e-03	2.05e-04	-0.18	0.0	-1.09	0.12	-0.27	-0.10	-5.45e-03	-0.02
		-0.02	-0.16	-7.41e-05	0.0	56.0	-1.09	-0.06	-0.27	-0.10	-0.16	0.0
253	3	37.56	6.74e-03	-2.01e-03	-93.75	0.0	1.04	46.87	-4.63e-03	0.04	6.74e-03	0.0
		0.0	-8.10e-03	2.63e-05	0.0	320.5	1.04	-46.87	-4.63e-03	0.04	-8.10e-03	0.0
253	4	37.56	6.92e-03	-2.02e-03	-93.75	0.0	1.15	46.87	-4.81e-03	0.04	6.92e-03	0.0
		0.0	-8.49e-03	2.83e-05	0.0	320.5	1.15	-46.87	-4.81e-03	0.04	-8.49e-03	0.0
253	18	30.87	7.53e-03	-1.63e-03	-77.05	0.0	0.95	38.52	-5.18e-03	0.04	7.53e-03	0.0
		0.0	-9.08e-03	2.34e-05	0.0	320.5	0.95	-38.52	-5.18e-03	0.04	-9.08e-03	0.0
253	45	9.98	-7.12e-04	-6.86e-04	-24.91	0.0	0.03	12.46	-3.38e-05	0.01	-7.12e-04	0.0
		0.0	-8.20e-04	1.21e-05	0.0	320.5	0.03	-12.46	-3.38e-05	0.01	-8.20e-04	0.0
253	52	37.56	5.18e-03	-2.08e-03	-93.75	0.0	1.26	46.87	-3.77e-03	0.04	5.18e-03	0.0
		0.0	-6.90e-03	3.11e-05	0.0	320.5	1.26	-46.87	-3.77e-03	0.04	-6.90e-03	0.0
253	67	25.84	4.73e-03	-1.39e-03	-64.50	0.0	0.75	32.25	-3.29e-03	0.03	4.73e-03	0.0
		0.0	-5.82e-03	1.91e-05	0.0	320.5	0.75	-32.25	-3.29e-03	0.03	-5.82e-03	0.0
253	68	25.84	4.86e-03	-1.40e-03	-64.50	0.0	0.82	32.25	-3.41e-03	0.03	4.86e-03	0.0

		0.0	-6.08e-03	2.03e-05	0.0	320.5	0.82	-32.25	-3.41e-03	0.03	-6.08e-03	0.0
253	75	21.38	5.26e-03	-1.13e-03	-53.37	0.0	0.68	26.68	-3.66e-03	0.03	5.26e-03	0.0
		0.0	-6.47e-03	1.71e-05	0.0	320.5	0.68	-26.68	-3.66e-03	0.03	-6.47e-03	0.0
253	85	10.97	3.70e-04	-7.04e-04	-27.39	0.0	0.22	13.69	-6.95e-04	0.02	3.70e-04	0.0
		0.0	-1.86e-03	1.33e-05	0.0	320.5	0.22	-13.69	-6.95e-04	0.02	-1.86e-03	0.0
253	92	25.84	3.69e-03	-1.43e-03	-64.50	0.0	0.89	32.25	-2.72e-03	0.03	3.69e-03	0.0
		0.0	-5.02e-03	2.22e-05	0.0	320.5	0.89	-32.25	-2.72e-03	0.03	-5.02e-03	0.0
253	98	21.38	3.20e-03	-1.19e-03	-53.37	0.0	0.73	26.68	-2.38e-03	0.03	3.20e-03	0.0
		0.0	-4.44e-03	1.90e-05	0.0	320.5	0.73	-26.68	-2.38e-03	0.03	-4.44e-03	0.0
253	103	19.89	3.46e-03	-1.10e-03	-49.66	0.0	0.68	24.83	-2.54e-03	0.03	3.46e-03	0.0
		0.0	-4.69e-03	1.77e-05	0.0	320.5	0.68	-24.83	-2.54e-03	0.03	-4.69e-03	0.0
253	104	10.97	1.94e-03	-6.48e-04	-27.39	0.0	0.47	13.69	-1.65e-03	0.02	1.94e-03	0.0
		0.0	-3.34e-03	1.41e-05	0.0	320.5	0.47	-13.69	-1.65e-03	0.02	-3.34e-03	0.0
253	106	10.97	2.33e-03	-6.36e-04	-27.39	0.0	0.53	13.69	-1.88e-03	0.02	2.33e-03	0.0
		0.0	-3.71e-03	1.44e-05	0.0	320.5	0.53	-13.69	-1.88e-03	0.02	-3.71e-03	0.0
253	107	19.89	3.07e-03	-1.11e-03	-49.66	0.0	0.70	24.83	-2.31e-03	0.02	3.07e-03	0.0
		0.0	-4.34e-03	1.83e-05	0.0	320.5	0.70	-24.83	-2.31e-03	0.02	-4.34e-03	0.0
253	111	19.89	0.03	-1.25e-03	-49.66	0.0	-1.50	24.83	0.03	0.04	-0.07	0.0
		0.0	-0.07	-1.01e-03	0.0	320.5	-1.50	-24.83	0.03	0.04	0.03	0.0
253	113	19.89	0.05	-1.25e-03	-49.66	0.0	3.50	24.83	-0.02	-0.01	0.05	0.0
		0.0	-0.02	1.04e-03	0.0	320.5	3.50	-24.83	-0.02	-0.01	-0.02	0.0
253	114	19.89	7.91e-03	-9.81e-04	-49.66	0.0	-2.09	24.83	0.02	0.06	-0.04	0.0
		0.0	-0.04	-1.00e-03	0.0	320.5	-2.09	-24.83	0.02	0.06	7.91e-03	0.0
253	116	19.89	0.08	-9.32e-04	-49.66	0.0	2.64	24.83	-0.04	8.12e-03	0.08	0.0
		0.0	-0.04	1.28e-03	0.0	320.5	2.64	-24.83	-0.04	8.12e-03	-0.04	0.0
253	119	19.89	0.03	-1.30e-03	-49.66	0.0	-1.24	24.83	0.03	0.04	-0.07	0.0
		0.0	-0.07	-1.24e-03	0.0	320.5	-1.24	-24.83	0.03	0.04	0.03	0.0
253	130	19.89	0.04	-7.87e-04	-49.66	0.0	-0.78	24.83	-0.02	0.05	0.04	0.0
		0.0	-0.03	-5.76e-04	0.0	320.5	-0.78	-24.83	-0.02	0.05	-0.03	0.0
253	143	19.89	0.03	-1.27e-03	-49.66	0.0	-1.77	24.83	0.03	0.05	-0.08	0.0
		0.0	-0.08	-1.14e-03	0.0	320.5	-1.77	-24.83	0.03	0.05	0.03	0.0
253	145	19.89	0.06	-1.27e-03	-49.66	0.0	3.85	24.83	-0.02	-0.02	0.06	0.0
		0.0	-0.02	1.17e-03	0.0	320.5	3.85	-24.83	-0.02	-0.02	-0.02	0.0
253	146	19.89	9.45e-03	-9.65e-04	-49.66	0.0	-2.45	24.83	0.02	0.06	-0.05	0.0
		0.0	-0.05	-1.13e-03	0.0	320.5	-2.45	-24.83	0.02	0.06	9.45e-03	0.0
253	148	19.89	0.09	-9.07e-04	-49.66	0.0	2.90	24.83	-0.04	6.21e-03	0.09	0.0
		0.0	-0.05	1.45e-03	0.0	320.5	2.90	-24.83	-0.04	6.21e-03	-0.05	0.0
253	151	19.89	0.04	-1.33e-03	-49.66	0.0	-1.49	24.83	0.04	0.04	-0.08	0.0
		0.0	-0.08	-1.42e-03	0.0	320.5	-1.49	-24.83	0.04	0.04	0.04	0.0
253	162	19.89	0.04	-7.51e-04	-49.66	0.0	-0.97	24.83	-0.02	0.05	0.04	0.0
		0.0	-0.03	-6.61e-04	0.0	320.5	-0.97	-24.83	-0.02	0.05	-0.03	0.0
253	175	19.89	0.03	-1.28e-03	-49.66	0.0	-1.72	24.83	0.03	0.04	-0.08	0.0
		0.0	-0.08	-1.19e-03	0.0	320.5	-1.72	-24.83	0.03	0.04	0.03	0.0
253	177	19.89	0.06	-1.25e-03	-49.66	0.0	3.79	24.83	-0.02	-0.01	0.06	0.0
		0.0	-0.02	1.22e-03	0.0	320.5	3.79	-24.83	-0.02	-0.01	-0.02	0.0
253	178	19.89	9.03e-03	-9.78e-04	-49.66	0.0	-2.38	24.83	0.02	0.06	-0.05	0.0
		0.0	-0.05	-1.18e-03	0.0	320.5	-2.38	-24.83	0.02	0.06	9.03e-03	0.0
253	180	19.89	0.09	-8.88e-04	-49.66	0.0	2.97	24.83	-0.04	8.15e-03	0.09	0.0
		0.0	-0.05	1.58e-03	0.0	320.5	2.97	-24.83	-0.04	8.15e-03	-0.05	0.0
253	183	19.89	0.04	-1.35e-03	-49.66	0.0	-1.57	24.83	0.04	0.04	-0.09	0.0
		0.0	-0.09	-1.54e-03	0.0	320.5	-1.57	-24.83	0.04	0.04	0.04	0.0
253	194	19.89	0.04	-7.69e-04	-49.66	0.0	-0.98	24.83	-0.02	0.05	0.04	0.0
		0.0	-0.03	-7.43e-04	0.0	320.5	-0.98	-24.83	-0.02	0.05	-0.03	0.0
253	207	19.89	0.04	-1.31e-03	-49.66	0.0	-2.11	24.83	0.04	0.05	-0.09	0.0
		0.0	-0.09	-1.42e-03	0.0	320.5	-2.11	-24.83	0.04	0.05	0.04	0.0
253	209	19.89	0.07	-1.27e-03	-49.66	0.0	4.30	24.83	-0.03	-0.02	0.07	0.0
		0.0	-0.02	1.45e-03	0.0	320.5	4.30	-24.83	-0.03	-0.02	-0.02	0.0
253	210	19.89	0.01	-9.63e-04	-49.66	0.0	-2.89	24.83	0.02	0.07	-0.06	0.0
		0.0	-0.06	-1.42e-03	0.0	320.5	-2.89	-24.83	0.02	0.07	0.01	0.0
253	212	19.89	0.11	-8.44e-04	-49.66	0.0	3.45	24.83	-0.05	5.81e-03	0.11	0.0
		0.0	-0.06	1.94e-03	0.0	320.5	3.45	-24.83	-0.05	5.81e-03	-0.06	0.0
253	215	19.89	0.05	-1.41e-03	-49.66	0.0	-2.04	24.83	0.05	0.04	-0.11	0.0
		0.0	-0.11	-1.91e-03	0.0	320.5	-2.04	-24.83	0.05	0.04	0.05	0.0
253	226	19.89	0.05	-7.24e-04	-49.66	0.0	-1.30	24.83	-0.03	0.05	0.05	0.0
		0.0	-0.04	-9.32e-04	0.0	320.5	-1.30	-24.83	-0.03	0.05	-0.04	0.0
254	3	74.76	3.27e-03	-4.70e-03	-186.62	0.0	0.53	93.31	-2.28e-03	-7.28e-04	3.27e-03	0.0
		0.0	-4.02e-03	1.87e-05	0.0	320.5	0.53	-93.31	-2.28e-03	-7.28e-04	-4.02e-03	0.0
254	8	64.33	3.08e-03	-4.05e-03	-160.58	0.0	0.42	80.29	-2.11e-03	-8.70e-04	3.08e-03	0.0
		0.0	-3.68e-03	1.62e-05	0.0	320.5	0.42	-80.29	-2.11e-03	-8.70e-04	-3.68e-03	0.0
254	18	61.31	4.03e-03	-3.91e-03	-153.04	0.0	0.30	76.52	-2.75e-03	7.81e-04	4.03e-03	0.0
		0.0	-4.77e-03	1.65e-05	0.0	320.5	0.30	-76.52	-2.75e-03	7.81e-04	-4.77e-03	0.0
254	19	19.50	2.78e-03	-1.29e-03	-48.66	0.0	-0.10	24.33	-1.88e-03	2.55e-03	2.78e-03	0.0
		0.0	-3.24e-03	5.77e-06	0.0	320.5	-0.10	-24.33	-1.88e-03	2.55e-03	-3.24e-03	0.0
254	52	74.76	2.68e-03	-4.80e-03	-186.62	0.0	0.82	93.31	-1.99e-03	8.26e-05	2.68e-03	0.0
		0.0	-3.69e-03	2.34e-05	0.0	320.5	0.82	-93.31	-1.99e-03	8.26e-05	-3.69e-03	0.0

254	67	51.38	2.31e-03	-3.25e-03	-128.25	0.0	0.39	64.12	-1.63e-03	-5.60e-06	2.31e-03	0.0
		0.0	-2.91e-03	1.36e-05	0.0	320.5	0.39	-64.12	-1.63e-03	-5.60e-06	-2.91e-03	0.0
254	68	51.38	2.53e-03	-3.28e-03	-128.25	0.0	0.41	64.12	-1.78e-03	3.20e-04	2.53e-03	0.0
		0.0	-3.18e-03	1.48e-05	0.0	320.5	0.41	-64.12	-1.78e-03	3.20e-04	-3.18e-03	0.0
254	72	21.49	2.33e-03	-1.44e-03	-53.64	0.0	0.06	26.82	-1.63e-03	2.60e-03	2.33e-03	0.0
		0.0	-2.89e-03	7.88e-06	0.0	320.5	0.06	-26.82	-1.63e-03	2.60e-03	-2.89e-03	0.0
254	75	42.41	2.82e-03	-2.73e-03	-105.86	0.0	0.23	52.93	-1.94e-03	1.00e-03	2.82e-03	0.0
		0.0	-3.41e-03	1.22e-05	0.0	320.5	0.23	-52.93	-1.94e-03	1.00e-03	-3.41e-03	0.0
254	92	51.38	1.92e-03	-3.32e-03	-128.25	0.0	0.58	64.12	-1.44e-03	5.35e-04	1.92e-03	0.0
		0.0	-2.69e-03	1.68e-05	0.0	320.5	0.58	-64.12	-1.44e-03	5.35e-04	-2.69e-03	0.0
254	98	42.41	1.59e-03	-2.75e-03	-105.86	0.0	0.50	52.93	-1.22e-03	1.03e-03	1.59e-03	0.0
		0.0	-2.31e-03	1.42e-05	0.0	320.5	0.50	-52.93	-1.22e-03	1.03e-03	-2.31e-03	0.0
254	102	21.49	1.52e-03	-1.48e-03	-53.64	0.0	0.29	26.82	-1.17e-03	2.88e-03	1.52e-03	0.0
		0.0	-2.23e-03	1.05e-05	0.0	320.5	0.29	-26.82	-1.17e-03	2.88e-03	-2.23e-03	0.0
254	103	39.42	1.75e-03	-2.56e-03	-98.40	0.0	0.42	49.20	-1.31e-03	1.24e-03	1.75e-03	0.0
		0.0	-2.44e-03	1.32e-05	0.0	320.5	0.42	-49.20	-1.31e-03	1.24e-03	-2.44e-03	0.0
254	106	21.49	1.31e-03	-1.49e-03	-53.64	0.0	0.35	26.82	-1.05e-03	2.96e-03	1.31e-03	0.0
		0.0	-2.06e-03	1.11e-05	0.0	320.5	0.35	-26.82	-1.05e-03	2.96e-03	-2.06e-03	0.0
254	107	39.42	1.55e-03	-2.57e-03	-98.40	0.0	0.48	49.20	-1.19e-03	1.31e-03	1.55e-03	0.0
		0.0	-2.28e-03	1.38e-05	0.0	320.5	0.48	-49.20	-1.19e-03	1.31e-03	-2.28e-03	0.0
254	108	39.42	0.07	-2.46e-03	-98.40	0.0	0.68	49.20	-0.03	0.01	0.07	0.0
		0.0	-0.04	1.04e-03	0.0	320.5	0.68	-49.20	-0.03	0.01	-0.04	0.0
254	116	39.42	0.09	-2.45e-03	-98.40	0.0	0.64	49.20	-0.04	0.01	0.09	0.0
		0.0	-0.05	1.27e-03	0.0	320.5	0.64	-49.20	-0.04	0.01	-0.05	0.0
254	119	39.42	0.05	-2.68e-03	-98.40	0.0	0.32	49.20	0.04	-8.87e-03	-0.08	0.0
		0.0	-0.08	-1.24e-03	0.0	320.5	0.32	-49.20	0.04	-8.87e-03	0.05	0.0
254	124	39.42	0.06	-2.23e-03	-98.40	0.0	0.46	49.20	-0.03	3.47e-05	0.06	0.0
		0.0	-0.04	1.44e-04	0.0	320.5	0.46	-49.20	-0.03	3.47e-05	-0.04	0.0
254	133	39.42	1.68e-03	-2.94e-03	-98.40	0.0	0.79	49.20	2.47e-03	9.77e-03	-6.57e-03	0.0
		0.0	-6.57e-03	1.19e-04	0.0	320.5	0.79	-49.20	2.47e-03	9.77e-03	1.68e-03	0.0
254	134	39.42	9.66e-03	-2.21e-03	-98.40	0.0	0.17	49.20	-4.86e-03	-7.15e-03	9.66e-03	0.0
		0.0	-6.23e-03	-9.12e-05	0.0	320.5	0.17	-49.20	-4.86e-03	-7.15e-03	-6.23e-03	0.0
254	140	39.42	0.08	-2.44e-03	-98.40	0.0	0.70	49.20	-0.04	0.01	0.08	0.0
		0.0	-0.04	1.17e-03	0.0	320.5	0.70	-49.20	-0.04	0.01	-0.04	0.0
254	148	39.42	0.10	-2.44e-03	-98.40	0.0	0.66	49.20	-0.05	0.01	0.10	0.0
		0.0	-0.06	1.45e-03	0.0	320.5	0.66	-49.20	-0.05	0.01	-0.06	0.0
254	151	39.42	0.06	-2.70e-03	-98.40	0.0	0.30	49.20	0.05	-0.01	-0.10	0.0
		0.0	-0.10	-1.42e-03	0.0	320.5	0.30	-49.20	0.05	-0.01	0.06	0.0
254	156	39.42	0.07	-2.19e-03	-98.40	0.0	0.45	49.20	-0.04	-1.45e-04	0.07	0.0
		0.0	-0.04	1.56e-04	0.0	320.5	0.45	-49.20	-0.04	-1.45e-04	-0.04	0.0
254	165	39.42	2.23e-03	-2.99e-03	-98.40	0.0	0.83	49.20	2.96e-03	0.01	-7.62e-03	0.0
		0.0	-7.62e-03	1.28e-04	0.0	320.5	0.83	-49.20	2.96e-03	0.01	2.23e-03	0.0
254	166	39.42	0.01	-2.17e-03	-98.40	0.0	0.13	49.20	-5.35e-03	-8.22e-03	0.01	0.0
		0.0	-6.78e-03	-1.00e-04	0.0	320.5	0.13	-49.20	-5.35e-03	-8.22e-03	-6.78e-03	0.0
254	172	39.42	0.08	-2.44e-03	-98.40	0.0	0.69	49.20	-0.04	0.01	0.08	0.0
		0.0	-0.04	1.22e-03	0.0	320.5	0.69	-49.20	-0.04	0.01	-0.04	0.0
254	180	39.42	0.10	-2.43e-03	-98.40	0.0	0.64	49.20	-0.05	0.01	0.10	0.0
		0.0	-0.06	1.57e-03	0.0	320.5	0.64	-49.20	-0.05	0.01	-0.06	0.0
254	183	39.42	0.06	-2.71e-03	-98.40	0.0	0.32	49.20	0.05	-0.01	-0.10	0.0
		0.0	-0.10	-1.55e-03	0.0	320.5	0.32	-49.20	0.05	-0.01	0.06	0.0
254	188	39.42	0.07	-2.20e-03	-98.40	0.0	0.46	49.20	-0.03	-2.63e-04	0.07	0.0
		0.0	-0.04	1.33e-04	0.0	320.5	0.46	-49.20	-0.03	-2.63e-04	-0.04	0.0
254	197	39.42	2.54e-03	-2.98e-03	-98.40	0.0	0.82	49.20	3.08e-03	0.01	-7.72e-03	0.0
		0.0	-7.72e-03	1.06e-04	0.0	320.5	0.82	-49.20	3.08e-03	0.01	2.54e-03	0.0
254	198	39.42	0.01	-2.18e-03	-98.40	0.0	0.14	49.20	-5.46e-03	-8.19e-03	0.01	0.0
		0.0	-7.09e-03	-7.85e-05	0.0	320.5	0.14	-49.20	-5.46e-03	-8.19e-03	-7.09e-03	0.0
254	204	39.42	0.10	-2.42e-03	-98.40	0.0	0.73	49.20	-0.04	0.02	0.10	0.0
		0.0	-0.05	1.45e-03	0.0	320.5	0.73	-49.20	-0.04	0.02	-0.05	0.0
254	212	39.42	0.12	-2.40e-03	-98.40	0.0	0.66	49.20	-0.06	0.02	0.12	0.0
		0.0	-0.08	1.93e-03	0.0	320.5	0.66	-49.20	-0.06	0.02	-0.08	0.0
254	215	39.42	0.07	-2.73e-03	-98.40	0.0	0.30	49.20	0.06	-0.01	-0.12	0.0
		0.0	-0.12	-1.91e-03	0.0	320.5	0.30	-49.20	0.06	-0.01	0.07	0.0
254	220	39.42	0.08	-2.14e-03	-98.40	0.0	0.46	49.20	-0.04	-6.33e-04	0.08	0.0
		0.0	-0.05	1.38e-04	0.0	320.5	0.46	-49.20	-0.04	-6.33e-04	-0.05	0.0
254	229	39.42	3.61e-03	-3.05e-03	-98.40	0.0	0.87	49.20	3.91e-03	0.01	-9.42e-03	0.0
		0.0	-9.42e-03	1.06e-04	0.0	320.5	0.87	-49.20	3.91e-03	0.01	3.61e-03	0.0
254	230	39.42	0.01	-2.12e-03	-98.40	0.0	0.08	49.20	-6.30e-03	-9.85e-03	0.01	0.0
		0.0	-8.16e-03	-7.84e-05	0.0	320.5	0.08	-49.20	-6.30e-03	-9.85e-03	-8.16e-03	0.0
255	3	74.76	6.53e-03	-4.97e-03	-186.62	0.0	1.69	93.31	3.44e-03	-7.43e-03	-4.50e-03	0.0
		0.0	-4.50e-03	1.18e-05	0.0	320.5	1.69	-93.31	3.44e-03	-7.43e-03	6.53e-03	0.0
255	18	61.31	7.89e-03	-4.14e-03	-153.04	0.0	1.60	76.52	4.05e-03	-6.00e-03	-5.09e-03	0.0
		0.0	-5.09e-03	9.13e-06	0.0	320.5	1.60	-76.52	4.05e-03	-6.00e-03	7.89e-03	0.0
255	33	29.93	3.43e-03	-2.37e-03	-74.70	0.0	1.18	37.35	1.71e-03	1.38e-05	-2.06e-03	0.0
		0.0	-2.06e-03	8.94e-06	0.0	320.5	1.18	-37.35	1.71e-03	1.38e-05	3.43e-03	0.0
255	45	19.50	-2.74e-04	-1.54e-03	-48.66	0.0	0.06	24.33	-4.77e-06	2.57e-03	-2.74e-04	0.0

		0.0	-2.89e-04	3.11e-06	0.0	320.5	0.06	-24.33	-4.77e-06	2.57e-03	-2.89e-04	0.0
255	59	61.31	5.92e-03	-4.31e-03	-153.04	0.0	2.10	76.52	2.97e-03	-6.31e-03	-3.61e-03	0.0
		0.0	-3.61e-03	1.50e-05	0.0	320.5	2.10	-76.52	2.97e-03	-6.31e-03	5.92e-03	0.0
255	67	51.38	4.82e-03	-3.43e-03	-128.25	0.0	1.21	64.12	2.53e-03	-4.46e-03	-3.29e-03	0.0
		0.0	-3.29e-03	8.30e-06	0.0	320.5	1.21	-64.12	2.53e-03	-4.46e-03	4.82e-03	0.0
255	75	42.41	5.73e-03	-2.88e-03	-105.86	0.0	1.14	52.93	2.93e-03	-3.50e-03	-3.68e-03	0.0
		0.0	-3.68e-03	6.52e-06	0.0	320.5	1.14	-52.93	2.93e-03	-3.50e-03	5.73e-03	0.0
255	81	21.49	2.76e-03	-1.70e-03	-53.64	0.0	0.87	26.82	1.38e-03	5.08e-04	-1.66e-03	0.0
		0.0	-1.66e-03	6.39e-06	0.0	320.5	0.87	-26.82	1.38e-03	5.08e-04	2.76e-03	0.0
255	85	21.49	1.11e-03	-1.63e-03	-53.64	0.0	0.37	26.82	6.52e-04	1.86e-03	-9.79e-04	0.0
		0.0	-9.79e-04	4.17e-06	0.0	320.5	0.37	-26.82	6.52e-04	1.86e-03	1.11e-03	0.0
255	95	42.41	4.41e-03	-2.99e-03	-105.86	0.0	1.48	52.93	2.22e-03	-3.71e-03	-2.69e-03	0.0
		0.0	-2.69e-03	1.05e-05	0.0	320.5	1.48	-52.93	2.22e-03	-3.71e-03	4.41e-03	0.0
255	98	42.41	3.84e-03	-2.90e-03	-105.86	0.0	1.19	52.93	1.99e-03	-2.54e-03	-2.55e-03	0.0
		0.0	-2.55e-03	8.73e-06	0.0	320.5	1.19	-52.93	1.99e-03	-2.54e-03	3.84e-03	0.0
255	99	21.49	3.91e-03	-1.58e-03	-53.64	0.0	0.93	26.82	1.95e-03	1.16e-03	-2.34e-03	0.0
		0.0	-2.34e-03	5.76e-06	0.0	320.5	0.93	-26.82	1.95e-03	1.16e-03	3.91e-03	0.0
255	101	39.42	3.95e-03	-2.73e-03	-98.40	0.0	1.20	49.20	2.03e-03	-2.21e-03	-2.54e-03	0.0
		0.0	-2.54e-03	8.60e-06	0.0	320.5	1.20	-49.20	2.03e-03	-2.21e-03	3.95e-03	0.0
255	103	39.42	4.15e-03	-2.70e-03	-98.40	0.0	1.10	49.20	2.15e-03	-2.06e-03	-2.73e-03	0.0
		0.0	-2.73e-03	7.64e-06	0.0	320.5	1.10	-49.20	2.15e-03	-2.06e-03	4.15e-03	0.0
255	104	21.49	3.26e-03	-1.58e-03	-53.64	0.0	0.77	26.82	1.65e-03	1.48e-03	-2.05e-03	0.0
		0.0	-2.05e-03	5.16e-06	0.0	320.5	0.77	-26.82	1.65e-03	1.48e-03	3.26e-03	0.0
255	106	21.49	3.79e-03	-1.56e-03	-53.64	0.0	0.87	26.82	1.91e-03	1.39e-03	-2.31e-03	0.0
		0.0	-2.31e-03	5.41e-06	0.0	320.5	0.87	-26.82	1.91e-03	1.39e-03	3.79e-03	0.0
255	107	39.42	3.83e-03	-2.71e-03	-98.40	0.0	1.14	49.20	1.98e-03	-1.98e-03	-2.52e-03	0.0
		0.0	-2.52e-03	8.25e-06	0.0	320.5	1.14	-49.20	1.98e-03	-1.98e-03	3.83e-03	0.0
255	108	39.42	0.05	-2.71e-03	-98.40	0.0	1.44	49.20	-0.02	0.04	0.05	0.0
		0.0	-0.02	1.03e-03	0.0	320.5	1.44	-49.20	-0.02	0.04	-0.02	0.0
255	120	39.42	0.06	-2.71e-03	-98.40	0.0	1.40	49.20	-0.02	0.03	0.06	0.0
		0.0	-0.02	1.39e-03	0.0	320.5	1.40	-49.20	-0.02	0.03	-0.02	0.0
255	121	39.42	0.08	-3.01e-03	-98.40	0.0	1.21	49.20	-0.04	0.04	0.08	0.0
		0.0	-0.04	1.26e-03	0.0	320.5	1.21	-49.20	-0.04	0.04	-0.04	0.0
255	122	39.42	0.05	-2.41e-03	-98.40	0.0	1.08	49.20	0.04	-0.04	-0.09	0.0
		0.0	-0.09	-1.24e-03	0.0	320.5	1.08	-49.20	0.04	-0.04	0.05	0.0
255	124	39.42	0.01	-2.27e-03	-98.40	0.0	1.65	49.20	4.04e-03	-2.50e-03	-6.51e-03	0.0
		0.0	-6.51e-03	1.38e-04	0.0	320.5	1.65	-49.20	4.04e-03	-2.50e-03	0.01	0.0
255	127	39.42	1.48e-03	-3.18e-03	-98.40	0.0	0.64	49.20	-8.17e-05	-1.47e-03	1.48e-03	0.0
		0.0	-2.71e-03	-1.21e-04	0.0	320.5	0.64	-49.20	-8.17e-05	-1.47e-03	-2.71e-03	0.0
255	140	39.42	0.06	-2.71e-03	-98.40	0.0	1.48	49.20	-0.02	0.04	0.06	0.0
		0.0	-0.02	1.16e-03	0.0	320.5	1.48	-49.20	-0.02	0.04	-0.02	0.0
255	152	39.42	0.06	-2.71e-03	-98.40	0.0	1.43	49.20	-0.03	0.03	0.06	0.0
		0.0	-0.03	1.58e-03	0.0	320.5	1.43	-49.20	-0.03	0.03	-0.03	0.0
255	153	39.42	0.10	-3.05e-03	-98.40	0.0	1.21	49.20	-0.05	0.04	0.10	0.0
		0.0	-0.05	1.43e-03	0.0	320.5	1.21	-49.20	-0.05	0.04	-0.05	0.0
255	154	39.42	0.06	-2.37e-03	-98.40	0.0	1.07	49.20	0.05	-0.05	-0.10	0.0
		0.0	-0.10	-1.42e-03	0.0	320.5	1.07	-49.20	0.05	-0.05	0.06	0.0
255	156	39.42	0.01	-2.22e-03	-98.40	0.0	1.71	49.20	4.35e-03	-2.59e-03	-7.08e-03	0.0
		0.0	-7.08e-03	1.50e-04	0.0	320.5	1.71	-49.20	4.35e-03	-2.59e-03	0.01	0.0
255	159	39.42	2.05e-03	-3.24e-03	-98.40	0.0	0.57	49.20	-3.92e-04	-1.37e-03	2.05e-03	0.0
		0.0	-3.59e-03	-1.33e-04	0.0	320.5	0.57	-49.20	-3.92e-04	-1.37e-03	-3.59e-03	0.0
255	172	39.42	0.06	-2.72e-03	-98.40	0.0	1.46	49.20	-0.02	0.04	0.06	0.0
		0.0	-0.02	1.21e-03	0.0	320.5	1.46	-49.20	-0.02	0.04	-0.02	0.0
255	184	39.42	0.07	-2.73e-03	-98.40	0.0	1.41	49.20	-0.03	0.03	0.07	0.0
		0.0	-0.03	1.74e-03	0.0	320.5	1.41	-49.20	-0.03	0.03	-0.03	0.0
255	185	39.42	0.10	-3.06e-03	-98.40	0.0	1.19	49.20	-0.05	0.05	0.10	0.0
		0.0	-0.05	1.56e-03	0.0	320.5	1.19	-49.20	-0.05	0.05	-0.05	0.0
255	186	39.42	0.06	-2.37e-03	-98.40	0.0	1.09	49.20	0.05	-0.05	-0.10	0.0
		0.0	-0.10	-1.54e-03	0.0	320.5	1.09	-49.20	0.05	-0.05	0.06	0.0
255	188	39.42	0.01	-2.23e-03	-98.40	0.0	1.70	49.20	4.62e-03	-2.78e-03	-7.45e-03	0.0
		0.0	-7.45e-03	1.27e-04	0.0	320.5	1.70	-49.20	4.62e-03	-2.78e-03	0.01	0.0
255	191	39.42	2.42e-03	-3.23e-03	-98.40	0.0	0.58	49.20	-6.62e-04	-1.18e-03	2.42e-03	0.0
		0.0	-3.90e-03	-1.11e-04	0.0	320.5	0.58	-49.20	-6.62e-04	-1.18e-03	-3.90e-03	0.0
255	205	39.42	0.08	-3.12e-03	-98.40	0.0	1.16	49.20	-0.04	0.06	0.08	0.0
		0.0	-0.03	1.65e-03	0.0	320.5	1.16	-49.20	-0.04	0.06	-0.03	0.0
255	216	39.42	0.08	-2.74e-03	-98.40	0.0	1.44	49.20	-0.04	0.04	0.08	0.0
		0.0	-0.04	2.14e-03	0.0	320.5	1.44	-49.20	-0.04	0.04	-0.04	0.0
255	217	39.42	0.12	-3.13e-03	-98.40	0.0	1.20	49.20	-0.06	0.05	0.12	0.0
		0.0	-0.06	1.92e-03	0.0	320.5	1.20	-49.20	-0.06	0.05	-0.06	0.0
255	218	39.42	0.07	-2.31e-03	-98.40	0.0	1.09	49.20	0.06	-0.06	-0.12	0.0
		0.0	-0.12	-1.90e-03	0.0	320.5	1.09	-49.20	0.06	-0.06	0.07	0.0
255	220	39.42	0.01	-2.15e-03	-98.40	0.0	1.79	49.20	5.31e-03	-3.08e-03	-8.63e-03	0.0
		0.0	-8.63e-03	1.31e-04	0.0	320.5	1.79	-49.20	5.31e-03	-3.08e-03	0.01	0.0
255	223	39.42	3.59e-03	-3.33e-03	-98.40	0.0	0.49	49.20	-1.35e-03	-8.84e-04	3.59e-03	0.0
		0.0	-5.48e-03	-1.15e-04	0.0	320.5	0.49	-49.20	-1.35e-03	-8.84e-04	-5.48e-03	0.0

256	3	37.56	3.93e-03	-1.96e-03	-93.75	0.0	2.75	46.87	3.68e-03	-0.02	-7.88e-03	0.0
		0.0	-7.88e-03	2.57e-06	0.0	320.5	2.75	-46.87	3.68e-03	-0.02	3.93e-03	0.0
256	16	15.25	5.80e-03	-7.56e-04	-38.08	0.0	1.19	19.04	4.10e-03	-0.02	-7.35e-03	0.0
		0.0	-7.35e-03	-1.10e-06	0.0	320.5	1.19	-19.04	4.10e-03	-0.02	5.80e-03	0.0
256	18	30.87	5.73e-03	-1.57e-03	-77.05	0.0	2.12	38.52	4.59e-03	-0.02	-8.97e-03	0.0
		0.0	-8.97e-03	1.23e-06	0.0	320.5	2.12	-38.52	4.59e-03	-0.02	5.73e-03	0.0
256	19	9.98	5.24e-03	-4.65e-04	-24.91	0.0	0.18	12.46	3.50e-03	-0.01	-5.99e-03	0.0
		0.0	-5.99e-03	-2.20e-06	0.0	320.5	0.18	-12.46	3.50e-03	-0.01	5.24e-03	0.0
256	42	15.25	5.52e-04	-9.44e-04	-38.08	0.0	1.68	19.04	4.80e-04	-0.01	-9.86e-04	0.0
		0.0	-9.86e-04	1.20e-06	0.0	320.5	1.68	-19.04	4.80e-04	-0.01	5.52e-04	0.0
256	52	37.56	1.68e-03	-2.02e-03	-93.75	0.0	3.91	46.87	2.40e-03	-0.02	-6.02e-03	0.0
		0.0	-6.02e-03	5.27e-06	0.0	320.5	3.91	-46.87	2.40e-03	-0.02	1.68e-03	0.0
256	67	25.84	2.77e-03	-1.35e-03	-64.50	0.0	1.99	32.25	2.58e-03	-0.02	-5.49e-03	0.0
		0.0	-5.49e-03	1.87e-06	0.0	320.5	1.99	-32.25	2.58e-03	-0.02	2.77e-03	0.0
256	72	10.97	3.91e-03	-5.48e-04	-27.39	0.0	0.74	13.69	2.75e-03	-0.01	-4.92e-03	0.0
		0.0	-4.92e-03	0.0	0.0	320.5	0.74	-13.69	2.75e-03	-0.01	3.91e-03	0.0
256	73	10.97	4.02e-03	-5.51e-04	-27.39	0.0	0.95	13.69	2.86e-03	-0.01	-5.14e-03	0.0
		0.0	-5.14e-03	0.0	0.0	320.5	0.95	-13.69	2.86e-03	-0.01	4.02e-03	0.0
256	75	21.38	3.98e-03	-1.10e-03	-53.37	0.0	1.57	26.68	3.18e-03	-0.02	-6.22e-03	0.0
		0.0	-6.22e-03	0.0	0.0	320.5	1.57	-26.68	3.18e-03	-0.02	3.98e-03	0.0
256	86	10.97	5.25e-04	-6.76e-04	-27.39	0.0	1.28	13.69	4.44e-04	-7.76e-03	-8.97e-04	0.0
		0.0	-8.97e-04	0.0	0.0	320.5	1.28	-13.69	4.44e-04	-7.76e-03	5.25e-04	0.0
256	92	25.84	1.28e-03	-1.39e-03	-64.50	0.0	2.76	32.25	1.73e-03	-0.02	-4.26e-03	0.0
		0.0	-4.26e-03	3.67e-06	0.0	320.5	2.76	-32.25	1.73e-03	-0.02	1.28e-03	0.0
256	98	21.38	1.18e-03	-1.15e-03	-53.37	0.0	2.29	26.68	1.49e-03	-0.01	-3.58e-03	0.0
		0.0	-3.58e-03	2.95e-06	0.0	320.5	2.29	-26.68	1.49e-03	-0.01	1.18e-03	0.0
256	102	10.97	1.76e-03	-5.97e-04	-27.39	0.0	1.49	13.69	1.48e-03	-0.01	-2.98e-03	0.0
		0.0	-2.98e-03	1.31e-06	0.0	320.5	1.49	-13.69	1.48e-03	-0.01	1.76e-03	0.0
256	103	19.89	1.73e-03	-1.06e-03	-49.66	0.0	2.01	24.83	1.76e-03	-0.01	-3.91e-03	0.0
		0.0	-3.91e-03	2.27e-06	0.0	320.5	2.01	-24.83	1.76e-03	-0.01	1.73e-03	0.0
256	104	10.97	1.06e-03	-6.22e-04	-27.39	0.0	1.55	13.69	9.98e-04	-9.02e-03	-2.13e-03	0.0
		0.0	-2.13e-03	1.61e-06	0.0	320.5	1.55	-13.69	9.98e-04	-9.02e-03	1.06e-03	0.0
256	106	10.97	1.23e-03	-6.10e-04	-27.39	0.0	1.67	13.69	1.16e-03	-9.57e-03	-2.50e-03	0.0
		0.0	-2.50e-03	1.83e-06	0.0	320.5	1.67	-13.69	1.16e-03	-9.57e-03	1.23e-03	0.0
256	107	19.89	1.19e-03	-1.08e-03	-49.66	0.0	2.20	24.83	1.44e-03	-0.01	-3.42e-03	0.0
		0.0	-3.42e-03	2.79e-06	0.0	320.5	2.20	-24.83	1.44e-03	-0.01	1.19e-03	0.0
256	108	19.89	0.05	9.80e-04	-49.66	0.0	-2.64	24.83	-0.02	8.89e-03	0.05	0.0
		0.0	-0.01	1.03e-03	0.0	320.5	-2.64	-24.83	-0.02	8.89e-03	-0.01	0.0
256	111	19.89	0.01	-1.66e-03	-49.66	0.0	7.04	24.83	0.02	-0.03	-0.05	0.0
		0.0	-0.05	-1.02e-03	0.0	320.5	7.04	-24.83	0.02	-0.03	0.01	0.0
256	121	19.89	0.08	-1.15e-03	-49.66	0.0	-1.25	24.83	-0.03	0.03	0.08	0.0
		0.0	-0.03	1.26e-03	0.0	320.5	-1.25	-24.83	-0.03	0.03	-0.03	0.0
256	122	19.89	0.03	-1.00e-03	-49.66	0.0	5.65	24.83	0.04	-0.05	-0.08	0.0
		0.0	-0.08	-1.25e-03	0.0	320.5	5.65	-24.83	0.04	-0.05	0.03	0.0
256	140	19.89	0.05	1.11e-03	-49.66	0.0	-3.25	24.83	-0.02	0.01	0.05	0.0
		0.0	-0.01	1.16e-03	0.0	320.5	-3.25	-24.83	-0.02	0.01	-0.01	0.0
256	143	19.89	0.01	-1.74e-03	-49.66	0.0	7.65	24.83	0.02	-0.04	-0.06	0.0
		0.0	-0.06	-1.15e-03	0.0	320.5	7.65	-24.83	0.02	-0.04	0.01	0.0
256	153	19.89	0.09	-1.16e-03	-49.66	0.0	-1.71	24.83	-0.04	0.03	0.09	0.0
		0.0	-0.03	1.43e-03	0.0	320.5	-1.71	-24.83	-0.04	0.03	-0.03	0.0
256	154	19.89	0.04	-9.94e-04	-49.66	0.0	6.11	24.83	0.04	-0.06	-0.09	0.0
		0.0	-0.09	-1.43e-03	0.0	320.5	6.11	-24.83	0.04	-0.06	0.04	0.0
256	172	19.89	0.05	1.07e-03	-49.66	0.0	-3.10	24.83	-0.02	0.01	0.05	0.0
		0.0	-0.01	1.21e-03	0.0	320.5	-3.10	-24.83	-0.02	0.01	-0.01	0.0
256	175	19.89	0.01	-1.72e-03	-49.66	0.0	7.50	24.83	0.02	-0.04	-0.06	0.0
		0.0	-0.06	-1.20e-03	0.0	320.5	7.50	-24.83	0.02	-0.04	0.01	0.0
256	185	19.89	0.09	-1.17e-03	-49.66	0.0	-1.84	24.83	-0.04	0.03	0.09	0.0
		0.0	-0.03	1.56e-03	0.0	320.5	-1.84	-24.83	-0.04	0.03	-0.03	0.0
256	186	19.89	0.04	-9.87e-04	-49.66	0.0	6.24	24.83	0.04	-0.06	-0.10	0.0
		0.0	-0.10	-1.55e-03	0.0	320.5	6.24	-24.83	0.04	-0.06	0.04	0.0
256	191	19.89	7.84e-03	-1.91e-03	-49.66	0.0	6.00	24.83	-8.99e-03	0.01	7.84e-03	0.0
		0.0	-0.02	-1.15e-04	0.0	320.5	6.00	-24.83	-8.99e-03	0.01	-0.02	0.0
256	204	19.89	0.06	1.24e-03	-49.66	0.0	-3.95	24.83	-0.02	0.02	0.06	0.0
		0.0	-0.01	1.44e-03	0.0	320.5	-3.95	-24.83	-0.02	0.02	-0.01	0.0
256	212	19.89	0.08	-8.63e-04	-49.66	0.0	-4.12	24.83	-0.03	0.02	0.08	0.0
		0.0	-0.02	1.93e-03	0.0	320.5	-4.12	-24.83	-0.03	0.02	-0.02	0.0
256	215	19.89	0.02	-1.31e-03	-49.66	0.0	8.52	24.83	0.03	-0.04	-0.08	0.0
		0.0	-0.08	-1.92e-03	0.0	320.5	8.52	-24.83	0.03	-0.04	0.02	0.0
256	217	19.89	0.11	-1.19e-03	-49.66	0.0	-2.69	24.83	-0.05	0.04	0.11	0.0
		0.0	-0.04	1.92e-03	0.0	320.5	-2.69	-24.83	-0.05	0.04	-0.04	0.0
256	218	19.89	0.04	-9.68e-04	-49.66	0.0	7.09	24.83	0.05	-0.07	-0.11	0.0
		0.0	-0.11	-1.91e-03	0.0	320.5	7.09	-24.83	0.05	-0.07	0.04	0.0
256	223	19.89	0.01	-2.07e-03	-49.66	0.0	6.62	24.83	-0.01	0.01	0.01	0.0
		0.0	-0.03	-1.19e-04	0.0	320.5	6.62	-24.83	-0.01	0.01	-0.03	0.0
257	18	1.07	0.05	-1.66e-04	-6.37	0.0	0.90	1.41	0.06	0.0	0.01	0.98

		-2.77e-03	0.01	1.12e-05	0.0	55.6	0.90	-4.96	0.06	0.0	0.05	-2.77e-03
257	19	0.37	0.02	-1.18e-04	-3.03	0.0	0.59	1.02	0.01	0.0	7.63e-03	0.27
		-1.66e-03	7.63e-03	6.16e-06	0.0	55.6	0.59	-2.01	0.01	0.0	0.02	-1.66e-03
257	27	1.20	0.06	-9.36e-05	-4.44	0.0	0.69	0.05	0.08	0.0	0.02	1.20
		-3.63e-03	0.02	1.39e-05	0.0	55.6	0.69	-4.38	0.08	0.0	0.06	-3.63e-03
257	28	1.35	0.06	-9.08e-05	-6.37	0.0	0.73	0.79	0.09	0.0	0.02	1.33
		-3.37e-03	0.02	1.42e-05	0.0	55.6	0.73	-5.57	0.09	0.0	0.06	-3.37e-03
257	35	1.40	0.06	-7.66e-05	-8.30	0.0	0.72	1.82	0.08	0.0	0.02	1.29
		-2.79e-03	0.02	1.37e-05	0.0	55.6	0.72	-6.48	0.08	0.0	0.06	-2.79e-03
257	45	0.53	0.02	-1.12e-05	-3.03	0.0	0.30	0.62	0.03	0.0	9.62e-03	0.49
		-2.03e-03	9.62e-03	8.55e-06	0.0	55.6	0.30	-2.41	0.03	0.0	0.02	-2.03e-03
257	72	0.43	0.02	-1.02e-04	-3.25	0.0	0.56	0.99	0.02	0.0	8.11e-03	0.35
		-1.75e-03	8.11e-03	6.88e-06	0.0	55.6	0.56	-2.26	0.02	0.0	0.02	-1.75e-03
257	75	0.75	0.03	-1.18e-04	-4.53	0.0	0.66	1.03	0.04	0.0	0.01	0.69
		-2.07e-03	0.01	8.44e-06	0.0	55.6	0.66	-3.51	0.04	0.0	0.03	-2.07e-03
257	79	0.83	0.04	-7.00e-05	-3.25	0.0	0.52	0.12	0.05	0.0	0.01	0.83
		-2.64e-03	0.01	1.02e-05	0.0	55.6	0.52	-3.12	0.05	0.0	0.04	-2.64e-03
257	80	0.94	0.04	-6.82e-05	-4.53	0.0	0.54	0.62	0.06	0.0	0.01	0.91
		-2.47e-03	0.01	1.04e-05	0.0	55.6	0.54	-3.92	0.06	0.0	0.04	-2.47e-03
257	83	0.97	0.04	-5.86e-05	-5.82	0.0	0.54	1.30	0.06	0.0	0.01	0.89
		-2.08e-03	0.01	1.01e-05	0.0	55.6	0.54	-4.52	0.06	0.0	0.04	-2.08e-03
257	85	0.54	0.02	-3.00e-05	-3.25	0.0	0.37	0.72	0.03	0.0	9.44e-03	0.50
		-1.99e-03	9.44e-03	8.48e-06	0.0	55.6	0.37	-2.53	0.03	0.0	0.02	-1.99e-03
257	98	0.69	0.03	-8.40e-05	-3.25	0.0	0.55	0.39	0.04	0.0	0.01	0.68
		-2.35e-03	0.01	9.33e-06	0.0	55.6	0.55	-2.85	0.04	0.0	0.03	-2.35e-03
257	101	0.71	0.03	-8.07e-05	-3.76	0.0	0.55	0.66	0.04	0.0	0.01	0.68
		-2.21e-03	0.01	9.22e-06	0.0	55.6	0.55	-3.11	0.04	0.0	0.03	-2.21e-03
257	102	0.48	0.02	-7.32e-05	-3.25	0.0	0.50	0.87	0.02	0.0	8.50e-03	0.41
		-1.83e-03	8.50e-03	7.76e-06	0.0	55.6	0.50	-2.37	0.02	0.0	0.02	-1.83e-03
257	103	0.65	0.03	-8.86e-05	-3.25	0.0	0.56	0.49	0.04	0.0	0.01	0.63
		-2.26e-03	0.01	8.92e-06	0.0	55.6	0.56	-2.76	0.04	0.0	0.03	-2.26e-03
257	104	0.50	0.02	-5.88e-05	-3.25	0.0	0.46	0.82	0.03	0.0	8.77e-03	0.44
		-1.88e-03	8.77e-03	8.08e-06	0.0	55.6	0.46	-2.43	0.03	0.0	0.02	-1.88e-03
257	106	0.49	0.02	-6.61e-05	-3.25	0.0	0.48	0.85	0.02	0.0	8.60e-03	0.43
		-1.85e-03	8.60e-03	7.98e-06	0.0	55.6	0.48	-2.40	0.02	0.0	0.02	-1.85e-03
257	107	0.66	0.03	-8.14e-05	-3.25	0.0	0.54	0.46	0.04	0.0	0.01	0.65
		-2.28e-03	0.01	9.14e-06	0.0	55.6	0.54	-2.79	0.04	0.0	0.03	-2.28e-03
257	115	1.71	0.04	-1.28e-04	-3.25	0.0	0.64	-1.47	0.07	0.0	-8.16e-03	1.71
		2.09e-03	-8.16e-03	-2.69e-04	0.0	55.6	0.64	-4.72	0.07	0.0	0.04	2.09e-03
257	119	1.72	0.05	1.67e-04	-3.25	0.0	0.78	-1.49	0.09	0.0	-4.04e-03	1.72
		1.88e-03	-4.04e-03	-2.57e-04	0.0	55.6	0.78	-4.74	0.09	0.0	0.05	1.88e-03
257	136	0.04	0.04	-5.07e-04	-3.25	0.0	1.61	2.57	0.05	0.0	0.02	-0.52
		-0.52	0.02	1.78e-04	0.0	55.6	1.61	-0.68	0.05	0.0	0.04	-4.37e-04
257	137	1.30	0.01	2.46e-04	-3.25	0.0	-0.82	-0.73	0.01	0.0	6.76e-03	1.30
		-7.09e-03	6.76e-03	1.46e-05	0.0	55.6	-0.82	-3.98	0.01	0.0	0.01	-7.09e-03
257	138	0.22	0.05	-4.09e-04	-3.25	0.0	1.91	1.65	0.07	0.0	0.01	-0.01
		-0.01	0.01	3.68e-06	0.0	55.6	1.91	-1.60	0.07	0.0	0.05	2.53e-03
257	139	1.81	0.02	3.45e-04	-3.25	0.0	-0.52	-1.65	0.04	0.0	-1.06e-03	1.81
		-4.12e-03	-1.06e-03	-1.59e-04	0.0	55.6	-0.52	-4.90	0.04	0.0	0.02	-4.12e-03
257	147	1.85	0.05	-1.34e-04	-3.25	0.0	0.65	-1.71	0.07	0.0	-0.01	1.85
		2.64e-03	-0.01	-3.04e-04	0.0	55.6	0.65	-4.96	0.07	0.0	0.05	2.64e-03
257	151	1.86	0.06	1.98e-04	-3.25	0.0	0.81	-1.74	0.10	0.0	-5.95e-03	1.86
		2.36e-03	-5.95e-03	-2.92e-04	0.0	55.6	0.81	-4.99	0.10	0.0	0.06	2.36e-03
257	168	0.01	0.04	-5.61e-04	-3.25	0.0	1.74	2.83	0.05	0.0	0.02	-0.67
		-0.67	0.02	2.00e-04	0.0	55.6	1.74	-0.41	0.05	0.0	0.04	-1.99e-04
257	169	1.39	0.01	2.87e-04	-3.25	0.0	-0.99	-0.88	7.11e-03	0.0	6.28e-03	1.39
		-7.68e-03	6.28e-03	1.51e-05	0.0	55.6	-0.99	-4.13	7.11e-03	0.0	0.01	-7.68e-03
257	170	0.18	0.05	-4.50e-04	-3.25	0.0	2.08	1.80	0.07	0.0	0.01	-0.10
		-0.10	0.01	3.19e-06	0.0	55.6	2.08	-1.45	0.07	0.0	0.05	3.12e-03
257	171	1.96	0.02	3.98e-04	-3.25	0.0	-0.66	-1.92	0.04	0.0	-2.57e-03	1.96
		-4.35e-03	-2.57e-03	-1.82e-04	0.0	55.6	-0.66	-5.16	0.04	0.0	0.02	-4.35e-03
257	179	1.84	0.04	-1.26e-04	-3.25	0.0	0.63	-1.70	0.07	0.0	-0.01	1.84
		2.23e-03	-0.01	-3.08e-04	0.0	55.6	0.63	-4.94	0.07	0.0	0.04	2.23e-03
257	183	1.88	0.05	1.90e-04	-3.25	0.0	0.79	-1.77	0.10	0.0	-6.37e-03	1.88
		1.96e-03	-6.37e-03	-3.05e-04	0.0	55.6	0.79	-5.01	0.10	0.0	0.05	1.96e-03
257	200	0.01	0.04	-5.55e-04	-3.25	0.0	1.73	2.84	0.04	0.0	0.02	-0.67
		-0.67	0.02	2.08e-04	0.0	55.6	1.73	-0.41	0.04	0.0	0.04	-1.71e-04
257	201	1.38	0.01	2.85e-04	-3.25	0.0	-0.97	-0.86	7.88e-03	0.0	6.26e-03	1.38
		-7.43e-03	6.26e-03	1.50e-05	0.0	55.6	-0.97	-4.11	7.88e-03	0.0	0.01	-7.43e-03
257	202	0.19	0.05	-4.48e-04	-3.25	0.0	2.06	1.78	0.07	0.0	0.01	-0.09
		-0.09	0.01	3.29e-06	0.0	55.6	2.06	-1.47	0.07	0.0	0.05	2.88e-03
257	203	1.96	0.02	3.92e-04	-3.25	0.0	-0.65	-1.92	0.04	0.0	-2.85e-03	1.96
		-4.38e-03	-2.85e-03	-1.90e-04	0.0	55.6	-0.65	-5.17	0.04	0.0	0.02	-4.38e-03
257	211	2.04	0.05	-1.29e-04	-3.25	0.0	0.63	-2.07	0.07	0.0	-0.01	2.04
		2.78e-03	-0.01	-3.66e-04	0.0	55.6	0.63	-5.31	0.07	0.0	0.05	2.78e-03

257	215	2.12	0.06	2.36e-04	-3.25	0.0	0.84	-2.20	0.11	0.0	-9.81e-03	2.12
		2.58e-03	-9.81e-03	-3.71e-04	0.0	55.6	0.84	-5.45	0.11	0.0	0.06	2.58e-03
257	232	1.83e-04	0.05	-6.34e-04	-3.25	0.0	1.93	3.26	0.04	0.0	0.03	-0.91
		-0.91	0.03	2.50e-04	0.0	55.6	1.93	0.02	0.04	0.0	0.05	1.83e-04
257	233	1.49	9.80e-03	3.45e-04	-3.25	0.0	-1.22	-1.07	2.19e-03	0.0	5.55e-03	1.49
		-8.23e-03	5.55e-03	1.61e-05	0.0	55.6	-1.22	-4.32	2.19e-03	0.0	9.80e-03	-8.23e-03
257	234	0.14	0.06	-5.08e-04	-3.25	0.0	2.31	1.99	0.08	0.0	0.02	-0.20
		-0.20	0.02	2.14e-06	0.0	55.6	2.31	-1.26	0.08	0.0	0.06	3.68e-03
257	235	2.20	0.02	4.71e-04	-3.25	0.0	-0.85	-2.35	0.04	0.0	-5.44e-03	2.20
		-4.74e-03	-5.44e-03	-2.32e-04	0.0	55.6	-0.85	-5.59	0.04	0.0	0.02	-4.74e-03
258	4	1.40	0.02	-2.03e-04	-6.37	0.0	3.18	4.19	0.03	0.0	-8.88e-04	0.63
		0.63	-8.88e-04	1.10e-05	0.0	55.6	3.18	-2.17	0.03	0.0	0.02	1.19
258	19	0.31	7.63e-03	-1.36e-04	-3.03	0.0	1.92	2.37	0.01	0.0	-4.52e-04	-0.20
		-0.20	-4.52e-04	5.29e-06	0.0	55.6	1.92	-0.66	0.01	0.0	7.63e-03	0.27
258	28	1.62	0.02	-1.37e-04	-6.37	0.0	2.74	3.76	0.03	0.0	-7.80e-04	1.01
		1.01	-7.80e-04	1.23e-05	0.0	55.6	2.74	-2.61	0.03	0.0	0.02	1.33
258	35	1.70	0.02	-1.23e-04	-8.30	0.0	2.59	4.78	0.03	0.0	-7.28e-04	0.94
		0.94	-7.28e-04	1.19e-05	0.0	55.6	2.59	-3.52	0.03	0.0	0.02	1.29
258	45	0.67	9.62e-03	-2.69e-05	-3.03	0.0	1.18	1.64	0.02	0.0	-2.72e-04	0.42
		0.42	-2.72e-04	7.46e-06	0.0	55.6	1.18	-1.39	0.02	0.0	9.62e-03	0.49
258	68	0.97	0.01	-1.44e-04	-4.53	0.0	2.31	3.00	0.02	0.0	-6.36e-04	0.42
		0.42	-6.36e-04	8.18e-06	0.0	55.6	2.31	-1.53	0.02	0.0	0.01	0.83
258	72	0.42	8.11e-03	-1.21e-04	-3.25	0.0	1.86	2.37	0.02	0.0	-4.51e-04	-0.06
		-0.06	-4.51e-04	5.96e-06	0.0	55.6	1.86	-0.88	0.02	0.0	8.11e-03	0.35
258	80	1.12	0.01	-1.01e-04	-4.53	0.0	2.01	2.71	0.02	0.0	-5.64e-04	0.67
		0.67	-5.64e-04	9.05e-06	0.0	55.6	2.01	-1.82	0.02	0.0	0.01	0.91
258	83	1.17	0.01	-9.15e-05	-5.82	0.0	1.91	3.39	0.02	0.0	-5.29e-04	0.62
		0.62	-5.29e-04	8.78e-06	0.0	55.6	1.91	-2.43	0.02	0.0	0.01	0.89
258	85	0.66	9.44e-03	-4.84e-05	-3.25	0.0	1.36	1.89	0.02	0.0	-3.30e-04	0.35
		0.35	-3.30e-04	7.41e-06	0.0	55.6	1.36	-1.36	0.02	0.0	9.44e-03	0.50
258	98	0.78	0.01	-1.10e-04	-3.25	0.0	1.98	2.15	0.02	0.0	-5.40e-04	0.39
		0.39	-5.40e-04	8.12e-06	0.0	55.6	1.98	-1.09	0.02	0.0	0.01	0.68
258	101	0.81	0.01	-1.07e-04	-3.76	0.0	1.95	2.43	0.02	0.0	-5.30e-04	0.38
		0.38	-5.30e-04	8.04e-06	0.0	55.6	1.95	-1.33	0.02	0.0	0.01	0.68
258	102	0.51	8.50e-03	-9.23e-05	-3.25	0.0	1.68	2.18	0.02	0.0	-4.21e-04	0.11
		0.11	-4.21e-04	6.80e-06	0.0	55.6	1.68	-1.07	0.02	0.0	8.50e-03	0.41
258	104	0.56	8.77e-03	-7.77e-05	-3.25	0.0	1.58	2.08	0.02	0.0	-3.97e-04	0.19
		0.19	-3.97e-04	7.09e-06	0.0	55.6	1.58	-1.17	0.02	0.0	8.77e-03	0.44
258	106	0.54	8.60e-03	-8.50e-05	-3.25	0.0	1.64	2.13	0.02	0.0	-4.14e-04	0.15
		0.15	-4.14e-04	7.01e-06	0.0	55.6	1.64	-1.12	0.02	0.0	8.60e-03	0.43
258	107	0.75	0.01	-1.07e-04	-3.25	0.0	1.93	2.15	0.02	0.0	-5.22e-04	0.35
		0.35	-5.22e-04	7.96e-06	0.0	55.6	1.93	-1.10	0.02	0.0	0.01	0.65
258	112	0.66	0.03	-7.20e-05	-3.25	0.0	1.72	1.91	0.06	0.0	-1.38e-03	0.66
		-0.42	-1.38e-03	2.81e-04	0.0	55.6	1.72	-1.34	0.06	0.0	0.03	-0.42
258	115	1.71	3.37e-04	-1.41e-04	-3.25	0.0	2.15	2.40	-0.02	0.0	3.37e-04	0.05
		0.05	-8.16e-03	-2.65e-04	0.0	55.6	2.15	-0.85	-0.02	0.0	-8.16e-03	1.71
258	136	-0.52	0.02	-5.38e-04	-3.25	0.0	5.48	5.17	0.04	0.0	-1.13e-03	-2.72
		-2.72	-1.13e-03	1.73e-04	0.0	55.6	5.48	1.92	0.04	0.0	0.02	-0.52
258	137	2.73	6.76e-03	2.35e-04	-3.25	0.0	-2.50	-1.46	0.01	0.0	-2.27e-04	2.73
		1.30	-2.27e-04	1.49e-05	0.0	55.6	-2.50	-4.70	0.01	0.0	6.76e-03	1.30
258	138	-0.01	0.01	-4.48e-04	-3.25	0.0	6.37	5.76	0.03	0.0	-8.17e-04	-2.03
		-2.03	-8.17e-04	1.00e-06	0.0	55.6	6.37	2.51	0.03	0.0	0.01	-0.01
258	139	3.42	8.57e-05	3.25e-04	-3.25	0.0	-1.62	-0.87	-2.05e-03	0.0	8.57e-05	3.42
		1.81	-1.06e-03	-1.57e-04	0.0	55.6	-1.62	-4.11	-2.05e-03	0.0	-1.06e-03	1.81
258	144	0.69	0.03	-6.77e-05	-3.25	0.0	1.69	1.88	0.06	0.0	-1.49e-03	0.69
		-0.56	-1.49e-03	3.16e-04	0.0	55.6	1.69	-1.37	0.06	0.0	0.03	-0.56
258	147	1.85	4.46e-04	-1.46e-04	-3.25	0.0	2.17	2.43	-0.02	0.0	4.46e-04	0.01
		0.01	-0.01	-3.00e-04	0.0	55.6	2.17	-0.82	-0.02	0.0	-0.01	1.85
258	168	-0.67	0.02	-5.92e-04	-3.25	0.0	5.93	5.55	0.04	0.0	-1.21e-03	-3.10
		-3.10	-1.21e-03	1.95e-04	0.0	55.6	5.93	2.30	0.04	0.0	0.02	-0.67
258	169	3.03	6.28e-03	2.78e-04	-3.25	0.0	-3.06	-1.90	0.01	0.0	-1.90e-04	3.03
		1.39	-1.90e-04	1.56e-05	0.0	55.6	-3.06	-5.15	0.01	0.0	6.28e-03	1.39
258	170	-0.10	0.01	-4.91e-04	-3.25	0.0	6.92	6.21	0.03	0.0	-8.54e-04	-2.33
		-2.33	-8.54e-04	0.0	0.0	55.6	6.92	2.96	0.03	0.0	0.01	-0.10
258	171	3.80	1.64e-04	3.79e-04	-3.25	0.0	-2.07	-1.24	-4.90e-03	0.0	1.64e-04	3.80
		1.96	-2.57e-03	-1.79e-04	0.0	55.6	-2.07	-4.49	-4.90e-03	0.0	-2.57e-03	1.96
258	176	0.63	0.03	-7.68e-05	-3.25	0.0	1.79	1.96	0.06	0.0	-1.49e-03	0.63
		-0.55	-1.49e-03	3.20e-04	0.0	55.6	1.79	-1.29	0.06	0.0	0.03	-0.55
258	179	1.84	4.48e-04	-1.37e-04	-3.25	0.0	2.08	2.34	-0.02	0.0	4.48e-04	0.07
		0.07	-0.01	-3.04e-04	0.0	55.6	2.08	-0.90	-0.02	0.0	-0.01	1.84
258	200	-0.67	0.02	-5.85e-04	-3.25	0.0	5.92	5.54	0.05	0.0	-1.22e-03	-3.05
		-3.05	-1.22e-03	2.04e-04	0.0	55.6	5.92	2.29	0.05	0.0	0.02	-0.67
258	201	3.01	6.26e-03	2.75e-04	-3.25	0.0	-2.97	-1.81	0.01	0.0	-1.91e-04	3.01
		1.38	-1.91e-04	1.54e-05	0.0	55.6	-2.97	-5.06	0.01	0.0	6.26e-03	1.38
258	202	-0.09	0.01	-4.89e-04	-3.25	0.0	6.83	6.11	0.03	0.0	-8.53e-04	-2.31

		-2.31	-8.53e-04	0.0	0.0	55.6	6.83	2.87	0.03	0.0	0.01	-0.09
258	203	3.75	1.74e-04	3.71e-04	-3.25	0.0	-2.05	-1.23	-5.41e-03	0.0	1.74e-04	3.75
		1.96	-2.85e-03	-1.88e-04	0.0	55.6	-2.05	-4.48	-5.41e-03	0.0	-2.85e-03	1.96
258	208	0.65	0.04	-7.63e-05	-3.25	0.0	1.81	1.97	0.07	0.0	-1.66e-03	0.65
		-0.75	-1.66e-03	3.77e-04	0.0	55.6	1.81	-1.28	0.07	0.0	0.04	-0.75
258	211	2.04	6.19e-04	-1.37e-04	-3.25	0.0	2.05	2.34	-0.03	0.0	6.19e-04	0.06
		0.06	-0.01	-3.61e-04	0.0	55.6	2.05	-0.91	-0.03	0.0	-0.01	2.04
258	232	-0.91	0.03	-6.64e-04	-3.25	0.0	6.58	6.10	0.05	0.0	-1.35e-03	-3.62
		-3.62	-1.35e-03	2.45e-04	0.0	55.6	6.58	2.85	0.05	0.0	0.03	-0.91
258	233	3.45	5.55e-03	3.38e-04	-3.25	0.0	-3.77	-2.45	0.01	0.0	-1.37e-04	3.45
		1.49	-1.37e-04	1.68e-05	0.0	55.6	-3.77	-5.69	0.01	0.0	5.55e-03	1.49
258	234	-0.20	0.02	-5.52e-04	-3.25	0.0	7.63	6.75	0.03	0.0	-9.07e-04	-2.74
		-2.74	-9.07e-04	0.0	0.0	55.6	7.63	3.50	0.03	0.0	0.02	-0.20
258	235	4.32	3.05e-04	4.51e-04	-3.25	0.0	-2.71	-1.80	-0.01	0.0	3.05e-04	4.32
		2.20	-5.44e-03	-2.29e-04	0.0	55.6	-2.71	-5.05	-0.01	0.0	-5.44e-03	2.20
259	4	0.64	-3.29e-04	-2.29e-04	-6.37	0.0	4.34	5.84	-1.01e-03	0.0	-3.29e-04	-0.85
		-0.85	-8.88e-04	1.11e-05	0.0	55.6	4.34	-0.52	-1.01e-03	0.0	-8.88e-04	0.63
259	16	0.06	-2.39e-04	-1.83e-04	-6.37	0.0	3.37	5.17	-7.21e-04	0.0	-2.39e-04	-1.11
		-1.11	-6.40e-04	8.10e-06	0.0	55.6	3.37	-1.19	-7.21e-04	0.0	-6.40e-04	-2.18e-03
259	35	1.07	-3.03e-04	-1.52e-04	-8.30	0.0	3.52	6.31	-7.65e-04	0.0	-3.03e-04	-0.26
		-0.26	-7.28e-04	1.20e-05	0.0	55.6	3.52	-1.98	-7.65e-04	0.0	-7.28e-04	0.94
259	45	0.48	-1.47e-04	-3.81e-05	-3.03	0.0	1.48	2.21	-2.25e-04	0.0	-1.47e-04	0.04
		0.04	-2.72e-04	7.51e-06	0.0	55.6	1.48	-0.82	-2.25e-04	0.0	-2.72e-04	0.42
259	68	0.43	-2.38e-04	-1.62e-04	-4.53	0.0	3.13	4.15	-7.16e-04	0.0	-2.38e-04	-0.63
		-0.63	-6.36e-04	8.27e-06	0.0	55.6	3.13	-0.39	-7.16e-04	0.0	-6.36e-04	0.42
259	73	0.04	-1.78e-04	-1.32e-04	-4.53	0.0	2.48	3.70	-5.26e-04	0.0	-1.78e-04	-0.80
		-0.80	-4.70e-04	6.24e-06	0.0	55.6	2.48	-0.83	-5.26e-04	0.0	-4.70e-04	-4.15e-03
259	83	0.71	-2.21e-04	-1.11e-04	-5.82	0.0	2.58	4.46	-5.55e-04	0.0	-2.21e-04	-0.24
		-0.24	-5.29e-04	8.86e-06	0.0	55.6	2.58	-1.36	-5.55e-04	0.0	-5.29e-04	0.62
259	85	0.40	-1.58e-04	-5.95e-05	-3.25	0.0	1.75	2.49	-3.10e-04	0.0	-1.58e-04	-0.13
		-0.13	-3.30e-04	7.47e-06	0.0	55.6	1.75	-0.76	-3.10e-04	0.0	-3.30e-04	0.35
259	98	0.39	-2.11e-04	-1.25e-04	-3.25	0.0	2.66	3.10	-5.91e-04	0.0	-2.11e-04	-0.44
		-0.44	-5.40e-04	8.20e-06	0.0	55.6	2.66	-0.15	-5.91e-04	0.0	-5.40e-04	0.39
259	102	0.13	-1.69e-04	-1.01e-04	-3.25	0.0	2.18	2.77	-4.53e-04	0.0	-1.69e-04	-0.53
		-0.53	-4.21e-04	6.86e-06	0.0	55.6	2.18	-0.48	-4.53e-04	0.0	-4.21e-04	0.11
259	104	0.22	-1.67e-04	-8.72e-05	-3.25	0.0	2.05	2.68	-4.14e-04	0.0	-1.67e-04	-0.40
		-0.40	-3.97e-04	7.15e-06	0.0	55.6	2.05	-0.57	-4.14e-04	0.0	-3.97e-04	0.19
259	105	0.40	-2.03e-04	-1.14e-04	-3.25	0.0	2.50	3.00	-5.44e-04	0.0	-2.03e-04	-0.37
		-0.37	-5.05e-04	8.12e-06	0.0	55.6	2.50	-0.25	-5.44e-04	0.0	-5.05e-04	0.39
259	106	0.17	-1.69e-04	-9.41e-05	-3.25	0.0	2.12	2.73	-4.40e-04	0.0	-1.69e-04	-0.46
		-0.46	-4.14e-04	7.07e-06	0.0	55.6	2.12	-0.52	-4.40e-04	0.0	-4.14e-04	0.15
259	107	0.36	-2.05e-04	-1.21e-04	-3.25	0.0	2.58	3.05	-5.70e-04	0.0	-2.05e-04	-0.44
		-0.44	-5.22e-04	8.04e-06	0.0	55.6	2.58	-0.20	-5.70e-04	0.0	-5.22e-04	0.35
259	112	0.66	-4.93e-05	-8.77e-05	-3.25	0.0	2.37	2.84	-2.37e-03	0.0	-4.93e-05	-0.08
		-0.08	-1.38e-03	2.78e-04	0.0	55.6	2.37	-0.41	-2.37e-03	0.0	-1.38e-03	0.66
259	115	0.05	3.37e-04	-1.54e-04	-3.25	0.0	2.79	3.26	1.23e-03	0.0	-3.61e-04	-0.80
		-0.80	-3.61e-04	-2.62e-04	0.0	55.6	2.79	0.01	1.23e-03	0.0	3.37e-04	0.05
259	133	4.61	-2.28e-04	2.82e-04	-3.25	0.0	-2.64	-0.58	-1.94e-04	0.0	-2.28e-04	4.61
		3.41	-2.88e-04	5.29e-06	0.0	55.6	-2.64	-3.82	-1.94e-04	0.0	-2.88e-04	3.41
259	134	-2.71	-1.83e-04	-5.24e-04	-3.25	0.0	7.80	6.67	-9.45e-04	0.0	-1.83e-04	-5.49
		-5.49	-7.56e-04	1.08e-05	0.0	55.6	7.80	3.43	-9.45e-04	0.0	-7.56e-04	-2.71
259	137	4.60	-2.01e-04	1.98e-04	-3.25	0.0	-2.64	-0.53	-1.32e-04	0.0	-2.01e-04	4.60
		2.73	-2.27e-04	1.66e-05	0.0	55.6	-2.64	-3.78	-1.32e-04	0.0	-2.27e-04	2.73
259	138	-2.03	-2.10e-04	-4.39e-04	-3.25	0.0	7.80	6.62	-1.01e-03	0.0	-2.10e-04	-5.48
		-5.48	-8.17e-04	0.0	0.0	55.6	7.80	3.38	-1.01e-03	0.0	-8.17e-04	-2.03
259	144	0.70	-2.96e-05	-8.36e-05	-3.25	0.0	2.34	2.81	-2.60e-03	0.0	-2.96e-05	-0.04
		-0.04	-1.49e-03	3.13e-04	0.0	55.6	2.34	-0.44	-2.60e-03	0.0	-1.49e-03	0.69
259	147	0.01	4.46e-04	-1.58e-04	-3.25	0.0	2.82	3.29	1.46e-03	0.0	-3.81e-04	-0.84
		-0.84	-3.81e-04	-2.97e-04	0.0	55.6	2.82	0.04	1.46e-03	0.0	4.46e-04	0.01
259	165	5.24	-2.31e-04	3.33e-04	-3.25	0.0	-3.29	-1.03	-1.44e-04	0.0	-2.31e-04	5.24
		3.80	-2.57e-04	4.23e-06	0.0	55.6	-3.29	-4.28	-1.44e-04	0.0	-2.57e-04	3.80
259	166	-3.09	-1.80e-04	-5.75e-04	-3.25	0.0	8.45	7.13	-9.95e-04	0.0	-1.80e-04	-6.12
		-6.12	-7.87e-04	1.18e-05	0.0	55.6	8.45	3.88	-9.95e-04	0.0	-7.87e-04	-3.09
259	176	0.63	-2.98e-05	-9.20e-05	-3.25	0.0	2.46	2.90	-2.60e-03	0.0	-2.98e-05	-0.15
		-0.15	-1.49e-03	3.17e-04	0.0	55.6	2.46	-0.35	-2.60e-03	0.0	-1.49e-03	0.63
259	179	0.08	4.48e-04	-1.50e-04	-3.25	0.0	2.70	3.20	1.46e-03	0.0	-3.81e-04	-0.73
		-0.73	-3.81e-04	-3.01e-04	0.0	55.6	2.70	-0.05	1.46e-03	0.0	4.48e-04	0.07
259	197	5.14	-2.31e-04	3.26e-04	-3.25	0.0	-3.19	-0.95	-1.31e-04	0.0	-2.31e-04	5.14
		3.74	-2.53e-04	0.0	0.0	55.6	-3.19	-4.20	-1.31e-04	0.0	-2.53e-04	3.74
259	198	-3.04	-1.80e-04	-5.67e-04	-3.25	0.0	8.35	7.05	-1.01e-03	0.0	-1.80e-04	-6.02
		-6.02	-7.91e-04	1.55e-05	0.0	55.6	8.35	3.80	-1.01e-03	0.0	-7.91e-04	-3.04
259	208	0.65	1.32e-06	-9.14e-05	-3.25	0.0	2.50	2.92	-2.96e-03	0.0	1.32e-06	-0.16
		-0.16	-1.66e-03	3.74e-04	0.0	55.6	2.50	-0.33	-2.96e-03	0.0	-1.66e-03	0.65
259	211	0.06	6.19e-04	-1.50e-04	-3.25	0.0	2.66	3.18	1.82e-03	0.0	-4.12e-04	-0.72
		-0.72	-4.12e-04	-3.58e-04	0.0	55.6	2.66	-0.07	1.82e-03	0.0	6.19e-04	0.06

259	229	6.05	-2.04e-04	3.98e-04	-3.25	0.0	-4.12	-1.60	-4.60e-05	0.0	-2.36e-04	6.05
		4.29	-2.36e-04	-4.00e-06	0.0	55.6	-4.12	-4.84	-4.60e-05	0.0	-2.04e-04	4.29
259	230	-3.59	-1.75e-04	-6.40e-04	-3.25	0.0	9.28	7.69	-1.09e-03	0.0	-1.75e-04	-6.93
		-6.93	-8.40e-04	2.01e-05	0.0	55.6	9.28	4.45	-1.09e-03	0.0	-8.40e-04	-3.59
260	4	-0.80	0.03	-2.37e-04	-6.83	0.0	6.48	5.79	-0.05	0.0	0.03	-2.26
		-2.26	-3.29e-04	1.20e-05	0.0	59.6	6.48	-1.04	-0.05	0.0	-3.29e-04	-0.85
260	18	-1.00	0.03	-2.34e-04	-6.83	0.0	6.13	5.60	-0.05	0.0	0.03	-2.37
		-2.37	-3.02e-04	1.05e-05	0.0	59.6	6.13	-1.23	-0.05	0.0	-3.02e-04	-1.07
260	28	-0.17	0.03	-1.79e-04	-6.83	0.0	5.78	5.58	-0.06	0.0	0.03	-1.53
		-1.53	-3.18e-04	1.33e-05	0.0	59.6	5.78	-1.25	-0.06	0.0	-3.18e-04	-0.24
260	45	0.12	0.02	-4.27e-05	-3.25	0.0	2.31	2.32	-0.04	0.0	0.02	-0.37
		-0.37	-1.47e-04	8.05e-06	0.0	59.6	2.31	-0.94	-0.04	0.0	-1.47e-04	0.04
260	46	0.22	0.02	-4.87e-05	-5.32	0.0	2.50	3.49	-0.04	0.0	0.02	-0.46
		-0.46	-1.59e-04	8.40e-06	0.0	59.6	2.50	-1.83	-0.04	0.0	-1.59e-04	0.04
260	68	-0.59	0.02	-1.68e-04	-4.86	0.0	4.66	4.10	-0.04	0.0	0.02	-1.62
		-1.62	-2.38e-04	8.87e-06	0.0	59.6	4.66	-0.76	-0.04	0.0	-2.38e-04	-0.63
260	75	-0.72	0.02	-1.66e-04	-4.86	0.0	4.42	3.98	-0.04	0.0	0.02	-1.69
		-1.69	-2.20e-04	7.91e-06	0.0	59.6	4.42	-0.89	-0.04	0.0	-2.20e-04	-0.77
260	80	-0.17	0.02	-1.29e-04	-4.86	0.0	4.19	3.96	-0.04	0.0	0.02	-1.13
		-1.13	-2.31e-04	9.80e-06	0.0	59.6	4.19	-0.90	-0.04	0.0	-2.31e-04	-0.22
260	85	-0.05	0.02	-6.34e-05	-3.48	0.0	2.65	2.55	-0.03	0.0	0.02	-0.61
		-0.61	-1.58e-04	8.00e-06	0.0	59.6	2.65	-0.93	-0.03	0.0	-1.58e-04	-0.13
260	86	0.01	0.02	-6.74e-05	-4.86	0.0	2.78	3.34	-0.04	0.0	0.02	-0.67
		-0.67	-1.66e-04	8.23e-06	0.0	59.6	2.78	-1.53	-0.04	0.0	-1.66e-04	-0.13
260	98	-0.42	0.02	-1.30e-04	-3.48	0.0	3.96	3.08	-0.04	0.0	0.02	-1.23
		-1.23	-2.11e-04	8.79e-06	0.0	59.6	3.96	-0.41	-0.04	0.0	-2.11e-04	-0.44
260	103	-0.49	0.02	-1.31e-04	-3.48	0.0	3.90	3.04	-0.04	0.0	0.02	-1.28
		-1.28	-2.06e-04	8.40e-06	0.0	59.6	3.90	-0.44	-0.04	0.0	-2.06e-04	-0.51
260	104	-0.34	0.02	-8.93e-05	-3.48	0.0	3.01	2.65	-0.03	0.0	0.02	-0.94
		-0.94	-1.67e-04	7.66e-06	0.0	59.6	3.01	-0.83	-0.03	0.0	-1.67e-04	-0.40
260	106	-0.41	0.02	-9.58e-05	-3.48	0.0	3.10	2.67	-0.03	0.0	0.02	-1.02
		-1.02	-1.69e-04	7.58e-06	0.0	59.6	3.10	-0.81	-0.03	0.0	-1.69e-04	-0.46
260	107	-0.42	0.02	-1.25e-04	-3.48	0.0	3.84	3.02	-0.04	0.0	0.02	-1.20
		-1.20	-2.05e-04	8.62e-06	0.0	59.6	3.84	-0.47	-0.04	0.0	-2.05e-04	-0.44
260	109	2.44	0.03	7.69e-05	-3.48	0.0	0.53	2.04	-0.04	0.0	0.03	2.08
		2.08	-4.73e-05	2.93e-04	0.0	59.6	0.53	-1.45	-0.04	0.0	-4.73e-05	2.27
260	118	-3.09	0.02	-6.55e-05	-3.48	0.0	7.13	2.74	-0.04	0.0	0.02	-4.43
		-4.43	-4.53e-04	-3.17e-04	0.0	59.6	7.13	-0.74	-0.04	0.0	-4.53e-04	-3.09
260	133	5.03	0.02	2.35e-04	-3.48	0.0	-2.79	1.26	-0.03	0.0	0.02	4.89
		4.61	-2.28e-04	7.36e-06	0.0	59.6	-2.79	-2.22	-0.03	0.0	-2.28e-04	4.61
260	134	-5.49	0.02	-4.85e-04	-3.48	0.0	10.47	4.78	-0.04	0.0	0.02	-7.30
		-7.30	-1.83e-04	9.88e-06	0.0	59.6	10.47	1.29	-0.04	0.0	-1.83e-04	-5.49
260	141	2.81	0.03	1.02e-04	-3.48	0.0	0.13	1.92	-0.05	0.0	0.03	2.49
		2.49	-2.72e-05	3.30e-04	0.0	59.6	0.13	-1.57	-0.05	0.0	-2.72e-05	2.61
260	150	-3.41	0.02	-5.82e-05	-3.48	0.0	7.53	2.71	-0.04	0.0	0.02	-4.82
		-4.82	-4.85e-04	-3.61e-04	0.0	59.6	7.53	-0.77	-0.04	0.0	-4.85e-04	-3.41
260	165	5.75	0.02	2.80e-04	-3.48	0.0	-3.62	1.04	-0.03	0.0	0.02	5.66
		5.24	-2.31e-04	6.42e-06	0.0	59.6	-3.62	-2.44	-0.03	0.0	-2.31e-04	5.24
260	166	-6.12	0.02	-5.30e-04	-3.48	0.0	11.29	5.00	-0.04	0.0	0.02	-8.06
		-8.06	-1.80e-04	1.08e-05	0.0	59.6	11.29	1.51	-0.04	0.0	-1.80e-04	-6.12
260	173	2.63	0.03	9.15e-05	-3.48	0.0	0.34	1.97	-0.05	0.0	0.03	2.30
		2.30	-2.73e-05	3.35e-04	0.0	59.6	0.34	-1.51	-0.05	0.0	-2.73e-05	2.44
260	182	-3.26	0.02	-6.20e-05	-3.48	0.0	7.26	2.74	-0.04	0.0	0.02	-4.64
		-4.64	-4.92e-04	-3.79e-04	0.0	59.6	7.26	-0.75	-0.04	0.0	-4.92e-04	-3.26
260	197	5.64	0.02	2.74e-04	-3.48	0.0	-3.49	1.07	-0.03	0.0	0.02	5.54
		5.14	-2.31e-04	2.37e-06	0.0	59.6	-3.49	-2.41	-0.03	0.0	-2.31e-04	5.14
260	198	-6.02	0.02	-5.24e-04	-3.48	0.0	11.16	4.97	-0.04	0.0	0.02	-7.94
		-7.94	-1.80e-04	1.49e-05	0.0	59.6	11.16	1.48	-0.04	0.0	-1.80e-04	-6.02
260	205	3.08	0.03	1.23e-04	-3.48	0.0	-0.15	1.82	-0.05	0.0	0.03	2.80
		2.80	4.46e-06	3.96e-04	0.0	59.6	-0.15	-1.67	-0.05	0.0	4.46e-06	2.85
260	214	-3.71	0.02	-4.98e-05	-3.48	0.0	7.75	2.69	-0.04	0.0	0.02	-5.19
		-5.19	-5.51e-04	-4.62e-04	0.0	59.6	7.75	-0.80	-0.04	0.0	-5.51e-04	-3.71
260	229	6.68	0.02	3.39e-04	-3.48	0.0	-4.67	0.75	-0.03	0.0	0.02	6.63
		6.05	-2.36e-04	-2.28e-06	0.0	59.6	-4.67	-2.73	-0.03	0.0	-2.36e-04	6.05
260	230	-6.93	0.02	-5.89e-04	-3.48	0.0	12.34	5.28	-0.04	0.0	0.02	-9.03
		-9.03	-1.75e-04	1.95e-05	0.0	59.6	12.34	1.80	-0.04	0.0	-1.75e-04	-6.93
261	4	-1.93	0.03	-1.96e-04	-6.83	0.0	10.92	4.04	0.07	0.0	-0.01	-2.64
		-2.64	-0.01	7.96e-06	0.0	59.6	10.92	-2.79	0.07	0.0	0.03	-2.26
261	18	-2.00	0.03	-1.93e-04	-6.83	0.0	10.18	3.90	0.07	0.0	-0.01	-2.66
		-2.66	-0.01	6.89e-06	0.0	59.6	10.18	-2.93	0.07	0.0	0.03	-2.37
261	28	-1.22	0.03	-1.50e-04	-6.83	0.0	10.10	4.16	0.08	0.0	-0.01	-1.98
		-1.98	-0.01	8.97e-06	0.0	59.6	10.10	-2.67	0.08	0.0	0.03	-1.53
261	45	-0.21	0.02	-3.58e-05	-3.25	0.0	4.18	1.90	0.05	0.0	-9.18e-03	-0.54
		-0.54	-9.18e-03	5.34e-06	0.0	59.6	4.18	-1.35	0.05	0.0	0.02	-0.37
261	46	-0.16	0.02	-4.12e-05	-5.32	0.0	4.53	3.00	0.05	0.0	-9.42e-03	-0.66

		-0.66	-9.42e-03	5.62e-06	0.0	59.6	4.53	-2.32	0.05	0.0	0.02	-0.46
261	68	-1.38	0.02	-1.39e-04	-4.86	0.0	7.83	2.86	0.06	0.0	-9.91e-03	-1.88
		-1.88	-9.91e-03	5.92e-06	0.0	59.6	7.83	-2.00	0.06	0.0	0.02	-1.62
261	75	-1.42	0.02	-1.37e-04	-4.86	0.0	7.33	2.77	0.05	0.0	-9.05e-03	-1.89
		-1.89	-9.05e-03	5.21e-06	0.0	59.6	7.33	-2.10	0.05	0.0	0.02	-1.69
261	80	-0.91	0.02	-1.08e-04	-4.86	0.0	7.28	2.94	0.06	0.0	-0.01	-1.44
		-1.44	-0.01	6.60e-06	0.0	59.6	7.28	-1.92	0.06	0.0	0.02	-1.13
261	85	-0.42	0.02	-5.26e-05	-3.48	0.0	4.65	2.01	0.05	0.0	-8.92e-03	-0.77
		-0.77	-8.92e-03	5.36e-06	0.0	59.6	4.65	-1.47	0.05	0.0	0.02	-0.61
261	86	-0.39	0.02	-5.62e-05	-4.86	0.0	4.89	2.74	0.05	0.0	-9.08e-03	-0.85
		-0.85	-9.08e-03	5.55e-06	0.0	59.6	4.89	-2.12	0.05	0.0	0.02	-0.67
261	98	-1.07	0.02	-1.08e-04	-3.48	0.0	6.71	2.10	0.05	0.0	-9.50e-03	-1.45
		-1.45	-9.50e-03	5.97e-06	0.0	59.6	6.71	-1.38	0.05	0.0	0.02	-1.23
261	103	-1.11	0.02	-1.09e-04	-3.48	0.0	6.57	2.07	0.05	0.0	-9.17e-03	-1.48
		-1.48	-9.17e-03	5.67e-06	0.0	59.6	6.57	-1.42	0.05	0.0	0.02	-1.28
261	104	-0.74	0.02	-7.34e-05	-3.48	0.0	5.07	1.96	0.05	0.0	-8.22e-03	-1.06
		-1.06	-8.22e-03	5.22e-06	0.0	59.6	5.07	-1.53	0.05	0.0	0.02	-0.94
261	106	-0.82	0.02	-7.86e-05	-3.48	0.0	5.18	1.94	0.04	0.0	-8.05e-03	-1.14
		-1.14	-8.05e-03	5.18e-06	0.0	59.6	5.18	-1.54	0.04	0.0	0.02	-1.02
261	107	-1.03	0.02	-1.03e-04	-3.48	0.0	6.49	2.08	0.05	0.0	-9.29e-03	-1.40
		-1.40	-9.29e-03	5.86e-06	0.0	59.6	6.49	-1.40	0.05	0.0	0.02	-1.20
261	109	2.14	0.03	4.72e-05	-3.48	0.0	1.87	2.73	0.06	0.0	-0.01	1.54
		1.54	-0.01	2.86e-04	0.0	59.6	1.87	-0.76	0.06	0.0	0.03	2.08
261	133	4.90	0.02	1.58e-04	-3.48	0.0	-2.87	3.32	0.05	0.0	-8.90e-03	3.97
		3.97	-8.90e-03	6.41e-06	0.0	59.6	-2.87	-0.17	0.05	0.0	0.02	4.89
261	134	-6.71	0.02	-3.65e-04	-3.48	0.0	15.84	0.84	0.05	0.0	-9.68e-03	-6.78
		-7.30	-9.68e-03	5.31e-06	0.0	59.6	15.84	-2.64	0.05	0.0	0.02	-7.30
261	137	4.88	0.02	9.90e-05	-3.48	0.0	-2.87	3.29	0.04	0.0	-8.08e-03	3.96
		3.96	-8.08e-03	1.91e-05	0.0	59.6	-2.87	-0.19	0.04	0.0	0.02	4.88
261	138	-6.70	0.02	-3.06e-04	-3.48	0.0	15.84	0.87	0.06	0.0	-0.01	-6.77
		-7.28	-0.01	-7.36e-06	0.0	59.6	15.84	-2.62	0.06	0.0	0.02	-7.28
261	141	2.54	0.03	6.60e-05	-3.48	0.0	1.30	2.81	0.07	0.0	-0.01	1.90
		1.90	-0.01	3.22e-04	0.0	59.6	1.30	-0.68	0.07	0.0	0.03	2.49
261	165	5.66	0.02	1.91e-04	-3.48	0.0	-4.04	3.47	0.05	0.0	-8.85e-03	4.64
		4.64	-8.85e-03	5.67e-06	0.0	59.6	-4.04	-0.01	0.05	0.0	0.02	5.66
261	166	-7.40	0.02	-3.98e-04	-3.48	0.0	17.01	0.69	0.05	0.0	-9.73e-03	-7.45
		-8.06	-9.73e-03	6.04e-06	0.0	59.6	17.01	-2.79	0.05	0.0	0.02	-8.06
261	173	2.35	0.03	5.88e-05	-3.48	0.0	1.60	2.77	0.06	0.0	-0.01	1.74
		1.74	-0.01	3.28e-04	0.0	59.6	1.60	-0.72	0.06	0.0	0.03	2.30
261	197	5.54	0.02	1.87e-04	-3.48	0.0	-3.85	3.44	0.05	0.0	-8.88e-03	4.54
		4.54	-8.88e-03	1.51e-06	0.0	59.6	-3.85	-0.04	0.05	0.0	0.02	5.54
261	198	-7.30	0.02	-3.94e-04	-3.48	0.0	16.82	0.72	0.05	0.0	-9.70e-03	-7.35
		-7.94	-9.70e-03	1.02e-05	0.0	59.6	16.82	-2.76	0.05	0.0	0.02	-7.94
261	205	2.84	0.03	8.29e-05	-3.48	0.0	0.91	2.86	0.07	0.0	-0.01	2.19
		2.19	-0.01	3.88e-04	0.0	59.6	0.91	-0.62	0.07	0.0	0.03	2.80
261	229	6.63	0.02	2.35e-04	-3.48	0.0	-5.51	3.66	0.05	0.0	-8.81e-03	5.51
		5.51	-8.81e-03	-2.86e-06	0.0	59.6	-5.51	0.18	0.05	0.0	0.02	6.63
261	230	-8.29	0.02	-4.42e-04	-3.48	0.0	18.49	0.50	0.05	0.0	-9.76e-03	-8.32
		-9.03	-9.76e-03	1.46e-05	0.0	59.6	18.49	-2.98	0.05	0.0	0.02	-9.03
262	4	-1.62	8.08e-03	-1.49e-04	-6.83	0.0	5.38	2.01	-0.04	0.0	8.08e-03	-1.80
		-2.64	-0.01	9.64e-06	0.0	59.6	5.38	-4.82	-0.04	0.0	-0.01	-2.64
262	18	-1.62	7.27e-03	-1.46e-04	-6.83	0.0	5.02	1.95	-0.03	0.0	7.27e-03	-1.79
		-2.66	-0.01	8.41e-06	0.0	59.6	5.02	-4.88	-0.03	0.0	-0.01	-2.66
262	28	-1.15	8.90e-03	-1.14e-04	-6.83	0.0	4.85	2.46	-0.04	0.0	8.90e-03	-1.41
		-1.98	-0.01	1.08e-05	0.0	59.6	4.85	-4.37	-0.04	0.0	-0.01	-1.98
262	45	-0.22	5.44e-03	-2.61e-05	-3.25	0.0	1.84	1.40	-0.02	0.0	5.44e-03	-0.40
		-0.54	-9.18e-03	6.49e-06	0.0	59.6	1.84	-1.85	-0.02	0.0	-9.18e-03	-0.54
262	46	-0.18	5.62e-03	-3.01e-05	-5.32	0.0	2.03	2.39	-0.03	0.0	5.62e-03	-0.50
		-0.66	-9.42e-03	6.80e-06	0.0	59.6	2.03	-2.93	-0.03	0.0	-9.42e-03	-0.66
262	68	-1.15	5.95e-03	-1.05e-04	-4.86	0.0	3.85	1.43	-0.03	0.0	5.95e-03	-1.28
		-1.88	-9.91e-03	7.16e-06	0.0	59.6	3.85	-3.44	-0.03	0.0	-9.91e-03	-1.88
262	75	-1.15	5.41e-03	-1.04e-04	-4.86	0.0	3.61	1.39	-0.02	0.0	5.41e-03	-1.27
		-1.89	-9.05e-03	6.34e-06	0.0	59.6	3.61	-3.48	-0.02	0.0	-9.05e-03	-1.89
262	80	-0.84	6.50e-03	-8.16e-05	-4.86	0.0	3.50	1.73	-0.03	0.0	6.50e-03	-1.02
		-1.44	-0.01	7.95e-06	0.0	59.6	3.50	-3.14	-0.03	0.0	-0.01	-1.44
262	85	-0.39	5.30e-03	-3.90e-05	-3.48	0.0	2.14	1.37	-0.02	0.0	5.30e-03	-0.55
		-0.77	-8.92e-03	6.48e-06	0.0	59.6	2.14	-2.12	-0.02	0.0	-8.92e-03	-0.77
262	86	-0.36	5.43e-03	-4.17e-05	-4.86	0.0	2.26	2.03	-0.02	0.0	5.43e-03	-0.61
		-0.85	-9.08e-03	6.68e-06	0.0	59.6	2.26	-2.84	-0.02	0.0	-9.08e-03	-0.85
262	98	-0.91	5.69e-03	-8.13e-05	-3.48	0.0	3.27	0.98	-0.03	0.0	5.69e-03	-0.99
		-1.45	-9.50e-03	7.16e-06	0.0	59.6	3.27	-2.51	-0.03	0.0	-9.50e-03	-1.45
262	103	-0.92	5.48e-03	-8.20e-05	-3.48	0.0	3.20	0.95	-0.02	0.0	5.48e-03	-1.00
		-1.48	-9.17e-03	6.81e-06	0.0	59.6	3.20	-2.54	-0.02	0.0	-9.17e-03	-1.48
262	104	-0.61	4.90e-03	-5.50e-05	-3.48	0.0	2.43	1.17	-0.02	0.0	4.90e-03	-0.72
		-1.06	-8.22e-03	6.25e-06	0.0	59.6	2.43	-2.32	-0.02	0.0	-8.22e-03	-1.06

262	106	-0.66	4.80e-03	-5.90e-05	-3.48	0.0	2.51	1.12	-0.02	0.0	4.80e-03	-0.77
		-1.14	-8.05e-03	6.19e-06	0.0	59.6	2.51	-2.37	-0.02	0.0	-8.05e-03	-1.14
262	107	-0.87	5.57e-03	-7.81e-05	-3.48	0.0	3.16	1.00	-0.02	0.0	5.57e-03	-0.96
		-1.40	-9.29e-03	7.02e-06	0.0	59.6	3.16	-2.49	-0.02	0.0	-9.29e-03	-1.40
262	109	1.55	3.80e-03	2.41e-05	-3.48	0.0	1.15	3.11	-0.02	0.0	3.80e-03	0.73
		0.73	-0.01	2.83e-04	0.0	59.6	1.15	-0.37	-0.02	0.0	-0.01	1.54
262	119	0.72	8.75e-03	2.63e-05	-3.48	0.0	3.65	0.46	-0.03	0.0	8.75e-03	0.72
		-2.20	-0.01	-2.71e-04	0.0	59.6	3.65	-3.02	-0.03	0.0	-0.01	-2.20
262	133	3.97	5.86e-03	9.60e-05	-3.48	0.0	-0.98	4.92	-0.03	0.0	5.86e-03	2.08
		2.08	-8.90e-03	9.52e-06	0.0	59.6	-0.98	1.44	-0.03	0.0	-8.90e-03	3.97
262	134	-3.99	5.27e-03	-2.52e-04	-3.48	0.0	7.30	-2.93	-0.02	0.0	5.27e-03	-3.99
		-6.78	-9.68e-03	4.52e-06	0.0	59.6	7.30	-6.41	-0.02	0.0	-9.68e-03	-6.78
262	137	3.96	5.80e-03	5.51e-05	-3.48	0.0	-0.98	4.91	-0.03	0.0	5.80e-03	1.43
		1.43	-8.08e-03	2.24e-05	0.0	59.6	-0.98	1.43	-0.03	0.0	-8.08e-03	3.96
262	138	-3.34	5.33e-03	-2.11e-04	-3.48	0.0	7.30	-2.92	-0.02	0.0	5.33e-03	-3.34
		-6.77	-0.01	-8.35e-06	0.0	59.6	7.30	-6.40	-0.02	0.0	-0.01	-6.77
262	141	1.90	3.57e-03	3.69e-05	-3.48	0.0	0.90	3.37	-0.02	0.0	3.57e-03	0.93
		0.93	-0.01	3.19e-04	0.0	59.6	0.90	-0.11	-0.02	0.0	-0.01	1.90
262	151	0.93	9.17e-03	3.93e-05	-3.48	0.0	3.70	0.40	-0.03	0.0	9.17e-03	0.93
		-2.29	-0.01	-3.08e-04	0.0	59.6	3.70	-3.09	-0.03	0.0	-0.01	-2.29
262	165	4.64	5.90e-03	1.18e-04	-3.48	0.0	-1.49	5.41	-0.03	0.0	5.90e-03	2.46
		2.46	-8.85e-03	9.01e-06	0.0	59.6	-1.49	1.93	-0.03	0.0	-8.85e-03	4.64
262	166	-4.37	5.23e-03	-2.74e-04	-3.48	0.0	7.81	-3.42	-0.02	0.0	5.23e-03	-4.37
		-7.45	-9.73e-03	5.02e-06	0.0	59.6	7.81	-6.90	-0.02	0.0	-9.73e-03	-7.45
262	173	1.74	3.56e-03	3.23e-05	-3.48	0.0	1.03	3.25	-0.02	0.0	3.56e-03	0.84
		0.84	-0.01	3.25e-04	0.0	59.6	1.03	-0.23	-0.02	0.0	-0.01	1.74
262	183	0.85	9.24e-03	3.62e-05	-3.48	0.0	3.56	0.46	-0.03	0.0	9.24e-03	0.85
		-2.21	-0.01	-3.23e-04	0.0	59.6	3.56	-3.02	-0.03	0.0	-0.01	-2.21
262	197	4.54	5.90e-03	1.15e-04	-3.48	0.0	-1.41	5.34	-0.03	0.0	5.90e-03	2.40
		2.40	-8.88e-03	4.72e-06	0.0	59.6	-1.41	1.85	-0.03	0.0	-8.88e-03	4.54
262	198	-4.32	5.23e-03	-2.71e-04	-3.48	0.0	7.73	-3.35	-0.02	0.0	5.23e-03	-4.32
		-7.35	-9.70e-03	9.32e-06	0.0	59.6	7.73	-6.83	-0.02	0.0	-9.70e-03	-7.35
262	205	2.19	3.19e-03	4.90e-05	-3.48	0.0	0.73	3.57	-0.02	0.0	3.19e-03	1.10
		1.10	-0.01	3.85e-04	0.0	59.6	0.73	0.09	-0.02	0.0	-0.01	2.19
262	215	1.15	9.97e-03	5.60e-05	-3.48	0.0	3.59	0.37	-0.03	0.0	9.97e-03	1.15
		-2.36	-0.01	-3.94e-04	0.0	59.6	3.59	-3.11	-0.03	0.0	-0.01	-2.36
262	229	5.51	5.97e-03	1.47e-04	-3.48	0.0	-2.14	6.04	-0.03	0.0	5.97e-03	2.95
		2.95	-8.81e-03	0.0	0.0	59.6	-2.14	2.56	-0.03	0.0	-8.81e-03	5.51
262	230	-4.86	5.16e-03	-3.03e-04	-3.48	0.0	8.46	-4.05	-0.02	0.0	5.16e-03	-4.86
		-8.32	-9.76e-03	1.34e-05	0.0	59.6	8.46	-7.53	-0.02	0.0	-9.76e-03	-8.32
262	233	5.52	5.84e-03	9.53e-05	-3.48	0.0	-2.12	6.04	-0.02	0.0	5.84e-03	2.15
		2.15	-7.83e-03	2.64e-05	0.0	59.6	-2.12	2.56	-0.02	0.0	-7.83e-03	5.52
262	234	-4.07	5.30e-03	-2.52e-04	-3.48	0.0	8.44	-4.05	-0.02	0.0	5.30e-03	-4.07
		-8.33	-0.01	-1.23e-05	0.0	59.6	8.44	-7.53	-0.02	0.0	-0.01	-8.33
263	4	6.77e-03	8.08e-03	-1.15e-04	-6.83	0.0	8.43	0.40	0.01	0.0	0.0	0.0
		-1.80	0.0	8.62e-06	0.0	59.6	8.43	-6.43	0.01	0.0	8.08e-03	-1.80
263	9	0.14	6.36e-03	-8.10e-05	-8.90	0.0	6.08	2.08	0.01	0.0	0.0	0.0
		-1.42	0.0	7.07e-06	0.0	59.6	6.08	-6.82	0.01	0.0	6.36e-03	-1.42
263	28	0.05	8.90e-03	-8.63e-05	-6.83	0.0	8.19	1.05	0.01	0.0	0.0	0.0
		-1.41	0.0	9.69e-06	0.0	59.6	8.19	-5.78	0.01	0.0	8.90e-03	-1.41
263	33	0.25	7.18e-03	-5.19e-05	-8.90	0.0	5.84	2.73	0.01	0.0	0.0	0.0
		-1.02	0.0	8.14e-06	0.0	59.6	5.84	-6.17	0.01	0.0	7.18e-03	-1.02
263	45	0.08	5.44e-03	-1.85e-05	-3.25	0.0	3.56	0.95	9.12e-03	0.0	0.0	0.0
		-0.40	0.0	5.80e-06	0.0	59.6	3.56	-2.30	9.12e-03	0.0	5.44e-03	-0.40
263	68	5.05e-03	5.95e-03	-8.14e-05	-4.86	0.0	6.04	0.29	9.99e-03	0.0	0.0	0.0
		-1.28	0.0	6.41e-06	0.0	59.6	6.04	-4.58	9.99e-03	0.0	5.95e-03	-1.28
263	69	0.09	4.81e-03	-5.85e-05	-6.24	0.0	4.47	1.41	8.06e-03	0.0	0.0	0.0
		-1.02	0.0	5.38e-06	0.0	59.6	4.47	-4.84	8.06e-03	0.0	4.81e-03	-1.02
263	80	0.03	6.50e-03	-6.20e-05	-4.86	0.0	5.88	0.72	0.01	0.0	0.0	0.0
		-1.02	0.0	7.13e-06	0.0	59.6	5.88	-4.14	0.01	0.0	6.50e-03	-1.02
263	81	0.16	5.35e-03	-3.91e-05	-6.24	0.0	4.31	1.84	8.97e-03	0.0	0.0	0.0
		-0.76	0.0	6.09e-06	0.0	59.6	4.31	-4.40	8.97e-03	0.0	5.35e-03	-0.76
263	85	0.06	5.30e-03	-2.89e-05	-3.48	0.0	3.83	0.82	8.89e-03	0.0	0.0	0.0
		-0.55	0.0	5.81e-06	0.0	59.6	3.83	-2.66	8.89e-03	0.0	5.30e-03	-0.55
263	98	0.0	5.69e-03	-6.26e-05	-3.48	0.0	5.25	0.08	9.55e-03	0.0	0.0	0.0
		-0.99	0.0	6.44e-06	0.0	59.6	5.25	-3.40	9.55e-03	0.0	5.69e-03	-0.99
263	99	0.03	4.85e-03	-4.60e-05	-4.04	0.0	4.09	0.69	8.14e-03	0.0	0.0	0.0
		-0.79	0.0	5.66e-06	0.0	59.6	4.09	-3.34	8.14e-03	0.0	4.85e-03	-0.79
263	102	0.01	4.72e-03	-4.84e-05	-3.48	0.0	4.03	0.38	7.92e-03	0.0	0.0	0.0
		-0.81	0.0	5.39e-06	0.0	59.6	4.03	-3.10	7.92e-03	0.0	4.72e-03	-0.81
263	103	0.0	5.48e-03	-6.33e-05	-3.48	0.0	5.09	0.06	9.20e-03	0.0	0.0	0.0
		-1.00	0.0	6.12e-06	0.0	59.6	5.09	-3.42	9.20e-03	0.0	5.48e-03	-1.00
263	104	0.02	4.90e-03	-4.20e-05	-3.48	0.0	3.98	0.53	8.23e-03	0.0	0.0	0.0
		-0.72	0.0	5.63e-06	0.0	59.6	3.98	-2.95	8.23e-03	0.0	4.90e-03	-0.72
263	106	0.02	4.80e-03	-4.52e-05	-3.48	0.0	4.01	0.46	8.06e-03	0.0	0.0	0.0

		-0.77	0.0	5.58e-06	0.0	59.6	4.01	-3.03	8.06e-03	0.0	4.80e-03	-0.77
263	107	9.76e-04	5.57e-03	-6.01e-05	-3.48	0.0	5.08	0.14	9.34e-03	0.0	0.0	0.0
		-0.96	0.0	6.31e-06	0.0	59.6	5.08	-3.35	9.34e-03	0.0	5.57e-03	-0.96
263	119	0.75	8.75e-03	1.77e-05	-3.48	0.0	5.74	2.96	0.01	0.0	0.0	0.0
		0.0	0.0	-2.70e-04	0.0	59.6	5.74	-0.53	0.01	0.0	8.75e-03	0.72
263	123	0.94	8.44e-03	2.57e-05	-3.48	0.0	5.27	3.31	0.01	0.0	0.0	0.0
		0.0	0.0	-3.11e-04	0.0	59.6	5.27	-0.17	0.01	0.0	8.44e-03	0.94
263	133	2.08	5.86e-03	6.82e-05	-3.48	0.0	-0.02	5.23	9.83e-03	0.0	0.0	0.0
		0.0	0.0	1.09e-05	0.0	59.6	-0.02	1.74	9.83e-03	0.0	5.86e-03	2.08
263	134	0.0	5.27e-03	-1.88e-04	-3.48	0.0	10.17	-4.96	8.85e-03	0.0	0.0	0.0
		-3.99	0.0	1.73e-06	0.0	59.6	10.17	-8.44	8.85e-03	0.0	5.27e-03	-3.99
263	137	1.43	5.80e-03	3.79e-05	-3.48	0.0	-0.02	4.14	9.73e-03	0.0	0.0	0.0
		0.0	0.0	2.40e-05	0.0	59.6	-0.02	0.65	9.73e-03	0.0	5.80e-03	1.43
263	138	0.0	5.33e-03	-1.58e-04	-3.48	0.0	10.17	-3.87	8.94e-03	0.0	0.0	0.0
		-3.34	0.0	-1.14e-05	0.0	59.6	10.17	-7.35	8.94e-03	0.0	5.33e-03	-3.34
263	151	0.93	9.17e-03	2.74e-05	-3.48	0.0	5.81	3.30	0.02	0.0	0.0	0.0
		0.0	0.0	-3.07e-04	0.0	59.6	5.81	-0.18	0.02	0.0	9.17e-03	0.93
263	155	1.17	8.81e-03	3.64e-05	-3.48	0.0	5.28	3.70	0.01	0.0	0.0	0.0
		0.0	0.0	-3.54e-04	0.0	59.6	5.28	0.22	0.01	0.0	8.81e-03	1.17
263	165	2.46	5.90e-03	8.44e-05	-3.48	0.0	-0.66	5.86	9.89e-03	0.0	0.0	0.0
		0.0	0.0	1.06e-05	0.0	59.6	-0.66	2.38	9.89e-03	0.0	5.90e-03	2.46
263	166	0.0	5.23e-03	-2.05e-04	-3.48	0.0	10.81	-5.59	8.78e-03	0.0	0.0	0.0
		-4.37	0.0	1.99e-06	0.0	59.6	10.81	-9.08	8.78e-03	0.0	5.23e-03	-4.37
263	183	0.86	9.24e-03	2.54e-05	-3.48	0.0	5.62	3.17	0.02	0.0	0.0	0.0
		0.0	0.0	-3.23e-04	0.0	59.6	5.62	-0.31	0.02	0.0	9.24e-03	0.85
263	187	1.10	8.90e-03	3.48e-05	-3.48	0.0	5.09	3.59	0.01	0.0	0.0	0.0
		0.0	0.0	-3.73e-04	0.0	59.6	5.09	0.11	0.01	0.0	8.90e-03	1.10
263	197	2.40	5.90e-03	8.25e-05	-3.48	0.0	-0.55	5.77	9.90e-03	0.0	0.0	0.0
		0.0	0.0	6.21e-06	0.0	59.6	-0.55	2.29	9.90e-03	0.0	5.90e-03	2.40
263	198	0.0	5.23e-03	-2.03e-04	-3.48	0.0	10.70	-5.50	8.77e-03	0.0	0.0	0.0
		-4.32	0.0	6.42e-06	0.0	59.6	10.70	-8.99	8.77e-03	0.0	5.23e-03	-4.32
263	200	0.0	3.52e-03	-2.04e-04	-3.48	0.0	9.74	-5.51	5.91e-03	0.0	0.0	0.0
		-4.32	0.0	1.99e-04	0.0	59.6	9.74	-8.99	5.91e-03	0.0	3.52e-03	-4.32
263	203	2.41	7.61e-03	8.36e-05	-3.48	0.0	0.41	5.78	0.01	0.0	0.0	0.0
		0.0	0.0	-1.87e-04	0.0	59.6	0.41	2.29	0.01	0.0	7.61e-03	2.41
263	215	1.15	9.97e-03	4.03e-05	-3.48	0.0	5.66	3.67	0.02	0.0	0.0	0.0
		0.0	0.0	-3.94e-04	0.0	59.6	5.66	0.19	0.02	0.0	9.97e-03	1.15
263	219	1.45	9.59e-03	5.16e-05	-3.48	0.0	5.03	4.17	0.02	0.0	0.0	0.0
		0.0	0.0	-4.56e-04	0.0	59.6	5.03	0.68	0.02	0.0	9.59e-03	1.45
263	229	2.95	5.97e-03	1.06e-04	-3.48	0.0	-1.46	6.69	0.01	0.0	0.0	0.0
		0.0	0.0	2.46e-06	0.0	59.6	-1.46	3.21	0.01	0.0	5.97e-03	2.95
263	230	0.0	5.16e-03	-2.26e-04	-3.48	0.0	11.61	-6.42	8.66e-03	0.0	0.0	0.0
		-4.86	0.0	1.02e-05	0.0	59.6	11.61	-9.90	8.66e-03	0.0	5.16e-03	-4.86
263	232	0.0	3.13e-03	-2.28e-04	-3.48	0.0	10.52	-6.44	5.25e-03	0.0	0.0	0.0
		-4.88	0.0	2.42e-04	0.0	59.6	10.52	-9.93	5.25e-03	0.0	3.13e-03	-4.88
263	235	2.96	8.00e-03	1.08e-04	-3.48	0.0	-0.37	6.71	0.01	0.0	0.0	0.0
		0.0	0.0	-2.30e-04	0.0	59.6	-0.37	3.23	0.01	0.0	8.00e-03	2.96
264	4	1.44	0.02	-2.12e-04	-12.48	0.0	1.21	4.44	0.03	0.0	3.66e-03	1.00
		3.71e-03	3.66e-03	7.97e-06	0.0	55.6	1.21	-8.04	0.03	0.0	0.02	3.71e-03
264	19	0.41	1.06e-03	-1.51e-04	-5.85	0.0	0.69	2.93	-3.09e-03	0.0	1.06e-03	-2.20e-03
		-2.20e-03	-6.55e-04	3.55e-06	0.0	55.6	0.69	-2.92	-3.09e-03	0.0	-6.55e-04	1.85e-03
264	28	1.58	0.02	-1.49e-04	-12.48	0.0	1.11	4.06	0.04	0.0	4.13e-03	1.22
		3.98e-03	4.13e-03	9.09e-06	0.0	55.6	1.11	-8.42	0.04	0.0	0.02	3.98e-03
264	35	1.89	0.02	-1.23e-04	-16.36	0.0	1.08	5.82	0.04	0.0	3.55e-03	1.31
		3.39e-03	3.55e-03	8.76e-06	0.0	55.6	1.08	-10.54	0.04	0.0	0.02	3.39e-03
264	45	0.60	5.22e-03	-4.63e-05	-5.85	0.0	0.52	2.29	6.07e-03	0.0	1.85e-03	0.35
		2.31e-03	1.85e-03	5.42e-06	0.0	55.6	0.52	-3.56	6.07e-03	0.0	5.22e-03	2.31e-03
264	68	0.99	0.01	-1.53e-04	-8.87	0.0	0.88	3.24	0.02	0.0	2.57e-03	0.66
		2.72e-03	2.57e-03	5.91e-06	0.0	55.6	0.88	-5.62	0.02	0.0	0.01	2.72e-03
264	69	1.06	6.92e-03	-1.10e-04	-11.46	0.0	0.74	4.84	0.01	0.0	1.32e-03	0.49
		1.75e-03	1.32e-03	4.83e-06	0.0	55.6	0.74	-6.61	0.01	0.0	6.92e-03	1.75e-03
264	73	0.76	3.73e-03	-1.30e-04	-8.87	0.0	0.72	3.94	4.47e-03	0.0	1.24e-03	0.28
		1.83e-03	1.24e-03	4.30e-06	0.0	55.6	0.72	-4.93	4.47e-03	0.0	3.73e-03	1.83e-03
264	80	1.08	0.02	-1.11e-04	-8.87	0.0	0.82	2.99	0.02	0.0	2.89e-03	0.81
		2.91e-03	2.89e-03	6.66e-06	0.0	55.6	0.82	-5.88	0.02	0.0	0.02	2.91e-03
264	83	1.29	0.02	-9.40e-05	-11.46	0.0	0.79	4.16	0.02	0.0	2.51e-03	0.87
		2.51e-03	2.51e-03	6.44e-06	0.0	55.6	0.79	-7.29	0.02	0.0	0.02	2.51e-03
264	85	0.63	5.48e-03	-6.59e-05	-6.28	0.0	0.58	2.52	6.66e-03	0.0	1.78e-03	0.35
		2.28e-03	1.78e-03	5.38e-06	0.0	55.6	0.58	-3.76	6.66e-03	0.0	5.48e-03	2.28e-03
264	98	0.70	0.01	-1.27e-04	-6.28	0.0	0.78	2.30	0.01	0.0	2.34e-03	0.47
		2.70e-03	2.34e-03	5.96e-06	0.0	55.6	0.78	-3.98	0.01	0.0	0.01	2.70e-03
264	99	0.67	5.02e-03	-9.81e-05	-7.32	0.0	0.66	3.12	6.40e-03	0.0	1.47e-03	0.30
		2.06e-03	1.47e-03	5.15e-06	0.0	55.6	0.66	-4.19	6.40e-03	0.0	5.02e-03	2.06e-03
264	101	0.79	0.01	-1.21e-04	-7.32	0.0	0.77	2.76	0.02	0.0	2.21e-03	0.50
		2.56e-03	2.21e-03	5.89e-06	0.0	55.6	0.77	-4.55	0.02	0.0	0.01	2.56e-03

264	102	0.55	3.64e-03	-1.08e-04	-6.28	0.0	0.66	2.77	3.98e-03	0.0	1.43e-03	0.21
		2.09e-03	1.43e-03	4.90e-06	0.0	55.6	0.66	-3.51	3.98e-03	0.0	3.64e-03	2.09e-03
264	104	0.57	4.42e-03	-9.36e-05	-6.28	0.0	0.64	2.69	5.20e-03	0.0	1.53e-03	0.26
		2.15e-03	1.53e-03	5.15e-06	0.0	55.6	0.64	-3.60	5.20e-03	0.0	4.42e-03	2.15e-03
264	106	0.56	4.16e-03	-1.01e-04	-6.28	0.0	0.65	2.73	4.84e-03	0.0	1.47e-03	0.23
		2.12e-03	1.47e-03	5.09e-06	0.0	55.6	0.65	-3.55	4.84e-03	0.0	4.16e-03	2.12e-03
264	107	0.68	9.69e-03	-1.23e-04	-6.28	0.0	0.76	2.36	0.01	0.0	2.22e-03	0.43
		2.62e-03	2.22e-03	5.83e-06	0.0	55.6	0.76	-3.92	0.01	0.0	9.69e-03	2.62e-03
264	125	1.42	0.07	1.63e-04	-6.28	0.0	0.11	0.62	0.11	0.0	5.61e-03	1.40
		5.05e-03	5.61e-03	1.59e-04	0.0	55.6	0.11	-5.66	0.11	0.0	0.07	5.05e-03
264	126	0.21	-1.18e-03	-4.09e-04	-6.28	0.0	1.41	4.11	-0.08	0.0	-1.18e-03	-0.53
		-0.53	-0.05	-1.47e-04	0.0	55.6	1.41	-2.18	-0.08	0.0	-0.05	1.95e-04
264	128	0.06	1.26e-03	-4.63e-04	-6.28	0.0	1.58	5.11	-0.07	0.0	1.26e-03	-1.09
		-1.09	-0.04	1.47e-05	0.0	55.6	1.58	-1.17	-0.07	0.0	-0.04	2.36e-03
264	131	1.96	0.06	2.17e-04	-6.28	0.0	-0.06	-0.38	0.10	0.0	3.17e-03	1.96
		2.88e-03	3.17e-03	-3.00e-06	0.0	55.6	-0.06	-6.66	0.10	0.0	0.06	2.88e-03
264	136	0.06	4.76e-03	-4.89e-04	-6.28	0.0	1.58	5.13	-0.02	0.0	4.76e-03	-1.10
		-1.10	-0.01	1.73e-04	0.0	55.6	1.58	-1.16	-0.02	0.0	-0.01	2.01e-03
264	139	1.97	0.03	2.43e-04	-6.28	0.0	-0.06	-0.40	0.05	0.0	-3.23e-04	1.97
		3.23e-03	-3.23e-04	-1.61e-04	0.0	55.6	-0.06	-6.68	0.05	0.0	0.03	3.23e-03
264	157	1.53	0.07	1.98e-04	-6.28	0.0	0.03	0.41	0.12	0.0	6.04e-03	1.52
		5.36e-03	6.04e-03	1.79e-04	0.0	55.6	0.03	-5.87	0.12	0.0	0.07	5.36e-03
264	158	0.17	-1.61e-03	-4.44e-04	-6.28	0.0	1.49	4.32	-0.10	0.0	-1.61e-03	-0.65
		-0.65	-0.05	-1.67e-04	0.0	55.6	1.49	-1.96	-0.10	0.0	-0.05	-1.17e-04
264	160	0.03	1.14e-03	-5.05e-04	-6.28	0.0	1.68	5.45	-0.08	0.0	1.14e-03	-1.28
		-1.28	-0.05	1.56e-05	0.0	55.6	1.68	-0.83	-0.08	0.0	-0.05	2.33e-03
264	163	2.15	0.07	2.59e-04	-6.28	0.0	-0.16	-0.72	0.11	0.0	3.30e-03	2.15
		2.91e-03	3.30e-03	-3.91e-06	0.0	55.6	-0.16	-7.00	0.11	0.0	0.07	2.91e-03
264	168	0.03	5.09e-03	-5.35e-04	-6.28	0.0	1.68	5.48	-0.03	0.0	5.09e-03	-1.30
		-1.30	-0.01	1.95e-04	0.0	55.6	1.68	-0.80	-0.03	0.0	-0.01	1.94e-03
264	171	2.16	0.03	2.89e-04	-6.28	0.0	-0.16	-0.75	0.05	0.0	-6.54e-04	2.16
		3.30e-03	-6.54e-04	-1.84e-04	0.0	55.6	-0.16	-7.03	0.05	0.0	0.03	3.30e-03
264	189	1.50	0.07	1.91e-04	-6.28	0.0	0.05	0.47	0.12	0.0	6.08e-03	1.49
		5.39e-03	6.08e-03	1.84e-04	0.0	55.6	0.05	-5.82	0.12	0.0	0.07	5.39e-03
264	190	0.18	-1.65e-03	-4.37e-04	-6.28	0.0	1.47	4.26	-0.10	0.0	-1.65e-03	-0.62
		-0.62	-0.05	-1.72e-04	0.0	55.6	1.47	-2.02	-0.10	0.0	-0.05	-1.47e-04
264	200	0.03	5.15e-03	-5.31e-04	-6.28	0.0	1.67	5.48	-0.02	0.0	5.15e-03	-1.30
		-1.30	-0.01	2.03e-04	0.0	55.6	1.67	-0.80	-0.02	0.0	-0.01	2.01e-03
264	203	2.17	0.03	2.85e-04	-6.28	0.0	-0.16	-0.76	0.05	0.0	-7.15e-04	2.17
		3.23e-03	-7.15e-04	-1.92e-04	0.0	55.6	-0.16	-7.04	0.05	0.0	0.03	3.23e-03
264	221	1.65	0.08	2.41e-04	-6.28	0.0	-0.07	0.18	0.14	0.0	6.79e-03	1.65
		5.91e-03	6.79e-03	2.19e-04	0.0	55.6	-0.07	-6.11	0.14	0.0	0.08	5.91e-03
264	222	0.13	-2.36e-03	-4.87e-04	-6.28	0.0	1.58	4.55	-0.11	0.0	-2.36e-03	-0.78
		-0.78	-0.06	-2.07e-04	0.0	55.6	1.58	-1.73	-0.11	0.0	-0.06	-6.67e-04
264	232	3.66e-03	5.72e-03	-5.99e-04	-6.28	0.0	1.83	6.04	-0.03	0.0	5.72e-03	-1.61
		-1.61	-0.01	2.45e-04	0.0	55.6	1.83	-0.24	-0.03	0.0	-0.01	1.95e-03
264	235	2.48	0.03	3.54e-04	-6.28	0.0	-0.32	-1.31	0.05	0.0	-1.29e-03	2.48
		3.29e-03	-1.29e-03	-2.34e-04	0.0	55.6	-0.32	-7.59	0.05	0.0	0.03	3.29e-03
265	4	1.15	3.66e-03	-2.84e-04	-12.48	0.0	3.86	9.85	9.32e-03	0.0	-1.52e-03	-1.00
		-1.00	-1.52e-03	7.57e-06	0.0	55.6	3.86	-2.63	9.32e-03	0.0	3.66e-03	1.00
265	15	0.27	1.68e-03	-2.21e-04	-8.60	0.0	2.76	6.88	6.84e-03	0.0	-2.12e-03	-1.26
		-1.26	-2.12e-03	5.11e-06	0.0	55.6	2.76	-1.72	6.84e-03	0.0	1.68e-03	0.17
265	17	0.56	2.98e-03	-2.78e-04	-8.60	0.0	3.52	7.57	8.62e-03	0.0	-1.80e-03	-1.29
		-1.29	-1.80e-03	6.28e-06	0.0	55.6	3.52	-1.03	8.62e-03	0.0	2.98e-03	0.53
265	27	1.03	4.15e-03	-2.19e-04	-8.60	0.0	3.50	7.19	9.51e-03	0.0	-1.14e-03	-0.64
		-0.64	-1.14e-03	8.40e-06	0.0	55.6	3.50	-1.41	9.51e-03	0.0	4.15e-03	0.97
265	35	1.77	3.55e-03	-1.99e-04	-16.36	0.0	3.34	11.20	8.58e-03	0.0	-1.22e-03	-0.37
		-0.37	-1.22e-03	8.38e-06	0.0	55.6	3.34	-5.15	8.58e-03	0.0	3.55e-03	1.31
265	45	0.51	1.85e-03	-7.05e-05	-5.85	0.0	1.58	4.03	5.23e-03	0.0	-1.06e-03	-0.26
		-0.26	-1.06e-03	5.21e-06	0.0	55.6	1.58	-1.82	5.23e-03	0.0	1.85e-03	0.35
265	68	0.77	2.57e-03	-2.03e-04	-8.87	0.0	2.79	7.01	6.83e-03	0.0	-1.22e-03	-0.77
		-0.77	-1.22e-03	5.63e-06	0.0	55.6	2.79	-1.86	6.83e-03	0.0	2.57e-03	0.66
265	72	0.18	1.26e-03	-1.61e-04	-6.28	0.0	2.06	5.03	5.18e-03	0.0	-1.62e-03	-0.94
		-0.94	-1.62e-03	3.99e-06	0.0	55.6	2.06	-1.25	5.18e-03	0.0	1.26e-03	0.11
265	74	0.38	2.13e-03	-1.99e-04	-6.28	0.0	2.56	5.49	6.36e-03	0.0	-1.41e-03	-0.96
		-0.96	-1.41e-03	4.77e-06	0.0	55.6	2.56	-0.80	6.36e-03	0.0	2.13e-03	0.35
265	79	0.69	2.90e-03	-1.60e-04	-6.28	0.0	2.55	5.23	6.96e-03	0.0	-9.65e-04	-0.52
		-0.52	-9.65e-04	6.19e-06	0.0	55.6	2.55	-1.05	6.96e-03	0.0	2.90e-03	0.64
265	83	1.18	2.51e-03	-1.47e-04	-11.46	0.0	2.44	7.91	6.34e-03	0.0	-1.02e-03	-0.34
		-0.34	-1.02e-03	6.17e-06	0.0	55.6	2.44	-3.55	6.34e-03	0.0	2.51e-03	0.87
265	85	0.49	1.78e-03	-9.24e-05	-6.28	0.0	1.74	4.46	5.30e-03	0.0	-1.16e-03	-0.39
		-0.39	-1.16e-03	5.18e-06	0.0	55.6	1.74	-1.82	5.30e-03	0.0	1.78e-03	0.35
265	98	0.52	2.34e-03	-1.65e-04	-6.28	0.0	2.45	5.21	6.40e-03	0.0	-1.21e-03	-0.68
		-0.68	-1.21e-03	5.70e-06	0.0	55.6	2.45	-1.07	6.40e-03	0.0	2.34e-03	0.47
265	101	0.60	2.21e-03	-1.60e-04	-7.32	0.0	2.40	5.72	6.21e-03	0.0	-1.24e-03	-0.64

		-0.64	-1.24e-03	5.65e-06	0.0	55.6	2.40	-1.60	6.21e-03	0.0	2.21e-03	0.50
265	102	0.30	1.43e-03	-1.34e-04	-6.28	0.0	1.97	4.80	5.21e-03	0.0	-1.47e-03	-0.72
		-0.72	-1.47e-03	4.73e-06	0.0	55.6	1.97	-1.48	5.21e-03	0.0	1.43e-03	0.21
265	103	0.46	2.17e-03	-1.66e-04	-6.28	0.0	2.40	5.20	6.22e-03	0.0	-1.28e-03	-0.73
		-0.73	-1.28e-03	5.40e-06	0.0	55.6	2.40	-1.08	6.22e-03	0.0	2.17e-03	0.41
265	104	0.37	1.53e-03	-1.20e-04	-6.28	0.0	1.91	4.69	5.23e-03	0.0	-1.37e-03	-0.61
		-0.61	-1.37e-03	4.97e-06	0.0	55.6	1.91	-1.59	5.23e-03	0.0	1.53e-03	0.26
265	106	0.34	1.47e-03	-1.27e-04	-6.28	0.0	1.95	4.75	5.21e-03	0.0	-1.43e-03	-0.66
		-0.66	-1.43e-03	4.92e-06	0.0	55.6	1.95	-1.53	5.21e-03	0.0	1.47e-03	0.23
265	107	0.49	2.22e-03	-1.59e-04	-6.28	0.0	2.38	5.14	6.23e-03	0.0	-1.25e-03	-0.68
		-0.68	-1.25e-03	5.59e-06	0.0	55.6	2.38	-1.14	6.23e-03	0.0	2.22e-03	0.43
265	109	0.04	8.16e-03	-1.35e-04	-6.28	0.0	2.46	3.75	0.02	0.0	-1.73e-03	-0.82
		-0.82	-1.73e-03	2.77e-04	0.0	55.6	2.46	-2.53	0.02	0.0	8.16e-03	-0.12
265	110	0.99	-7.60e-04	-1.83e-04	-6.28	0.0	2.29	6.54	-6.13e-03	0.0	-7.60e-04	-0.53
		-0.53	-3.73e-03	-2.65e-04	0.0	55.6	2.29	0.26	-6.13e-03	0.0	-3.73e-03	0.98
265	136	-1.10	4.76e-03	-5.21e-04	-6.28	0.0	5.03	8.49	0.01	0.0	-2.76e-03	-4.16
		-4.16	-2.76e-03	1.70e-04	0.0	55.6	5.03	2.21	0.01	0.0	4.76e-03	-1.10
265	139	2.92	2.70e-04	2.03e-04	-6.28	0.0	-0.27	1.80	-7.64e-04	0.0	2.70e-04	2.81
		1.97	-3.23e-04	-1.59e-04	0.0	55.6	-0.27	-4.48	-7.64e-04	0.0	-3.23e-04	1.97
265	141	-0.02	8.92e-03	-1.32e-04	-6.28	0.0	2.48	3.57	0.02	0.0	-1.79e-03	-0.84
		-0.84	-1.79e-03	3.11e-04	0.0	55.6	2.48	-2.71	0.02	0.0	8.92e-03	-0.19
265	142	1.06	-6.99e-04	-1.86e-04	-6.28	0.0	2.28	6.71	-7.71e-03	0.0	-6.99e-04	-0.51
		-0.51	-4.49e-03	-3.00e-04	0.0	55.6	2.28	0.43	-7.71e-03	0.0	-4.49e-03	1.06
265	168	-1.30	5.09e-03	-5.66e-04	-6.28	0.0	5.36	8.90	0.01	0.0	-2.95e-03	-4.60
		-4.60	-2.95e-03	1.92e-04	0.0	55.6	5.36	2.62	0.01	0.0	5.09e-03	-1.30
265	171	3.31	4.63e-04	2.48e-04	-6.28	0.0	-0.61	1.38	-1.67e-03	0.0	4.63e-04	3.24
		2.16	-6.54e-04	-1.81e-04	0.0	55.6	-0.61	-4.90	-1.67e-03	0.0	-6.54e-04	2.16
265	173	-0.03	8.95e-03	-1.32e-04	-6.28	0.0	2.48	3.63	0.02	0.0	-1.79e-03	-0.85
		-0.85	-1.79e-03	3.15e-04	0.0	55.6	2.48	-2.65	0.02	0.0	8.95e-03	-0.20
265	174	1.07	-6.96e-04	-1.86e-04	-6.28	0.0	2.28	6.65	-7.75e-03	0.0	-6.96e-04	-0.50
		-0.50	-4.52e-03	-3.04e-04	0.0	55.6	2.28	0.37	-7.75e-03	0.0	-4.52e-03	1.07
265	200	-1.30	5.15e-03	-5.61e-04	-6.28	0.0	5.34	8.86	0.01	0.0	-2.96e-03	-4.57
		-4.57	-2.96e-03	2.00e-04	0.0	55.6	5.34	2.58	0.01	0.0	5.15e-03	-1.30
265	203	3.28	4.72e-04	2.43e-04	-6.28	0.0	-0.58	1.42	-1.84e-03	0.0	4.72e-04	3.21
		2.17	-7.15e-04	-1.89e-04	0.0	55.6	-0.58	-4.86	-1.84e-03	0.0	-7.15e-04	2.17
265	205	-0.12	0.01	-1.27e-04	-6.28	0.0	2.51	3.41	0.02	0.0	-1.90e-03	-0.89
		-0.89	-1.90e-03	3.72e-04	0.0	55.6	2.51	-2.87	0.02	0.0	0.01	-0.32
265	206	1.19	-5.90e-04	-1.91e-04	-6.28	0.0	2.25	6.88	-0.01	0.0	-5.90e-04	-0.46
		-0.46	-5.73e-03	-3.61e-04	0.0	55.6	2.25	0.60	-0.01	0.0	-5.73e-03	1.19
265	232	-1.61	5.72e-03	-6.28e-04	-6.28	0.0	5.84	9.47	0.02	0.0	-3.28e-03	-5.22
		-5.22	-3.28e-03	2.42e-04	0.0	55.6	5.84	3.19	0.02	0.0	5.72e-03	-1.61
265	235	3.89	7.88e-04	3.10e-04	-6.28	0.0	-1.08	0.81	-3.40e-03	0.0	7.88e-04	3.87
		2.48	-1.29e-03	-2.31e-04	0.0	55.6	-1.08	-5.47	-3.40e-03	0.0	-1.29e-03	2.48
266	4	-1.00	4.96e-03	-3.04e-04	-12.48	0.0	6.19	12.14	-0.01	0.0	4.96e-03	-4.28
		-4.28	-1.52e-03	7.76e-06	0.0	55.6	6.19	-0.34	-0.01	0.0	-1.52e-03	-1.00
266	15	-1.24	4.17e-03	-2.24e-04	-8.60	0.0	4.25	7.84	-0.01	0.0	4.17e-03	-3.23
		-3.23	-2.12e-03	5.37e-06	0.0	55.6	4.25	-0.75	-0.01	0.0	-2.12e-03	-1.26
266	28	-0.50	5.15e-03	-2.48e-04	-12.48	0.0	5.75	11.75	-0.01	0.0	5.15e-03	-3.57
		-3.57	-1.11e-03	8.79e-06	0.0	55.6	5.75	-0.72	-0.01	0.0	-1.11e-03	-0.51
266	36	0.15	3.36e-03	-1.12e-04	-13.61	0.0	2.91	9.65	-8.12e-03	0.0	3.36e-03	-1.74
		-1.74	-1.16e-03	5.67e-06	0.0	55.6	2.91	-3.97	-8.12e-03	0.0	-1.16e-03	-0.17
266	45	-0.21	3.44e-03	-7.89e-05	-5.85	0.0	2.39	4.82	-8.08e-03	0.0	3.44e-03	-1.31
		-1.31	-1.06e-03	5.34e-06	0.0	55.6	2.39	-1.03	-8.08e-03	0.0	-1.06e-03	-0.26
266	68	-0.77	3.71e-03	-2.16e-04	-8.87	0.0	4.45	8.59	-8.88e-03	0.0	3.71e-03	-3.07
		-3.07	-1.22e-03	5.79e-06	0.0	55.6	4.45	-0.28	-8.88e-03	0.0	-1.22e-03	-0.77
266	72	-0.92	3.19e-03	-1.63e-04	-6.28	0.0	3.15	5.72	-8.66e-03	0.0	3.19e-03	-2.37
		-2.37	-1.62e-03	4.19e-06	0.0	55.6	3.15	-0.56	-8.66e-03	0.0	-1.62e-03	-0.94
266	80	-0.43	3.84e-03	-1.79e-04	-8.87	0.0	4.16	8.33	-8.61e-03	0.0	3.84e-03	-2.60
		-2.60	-9.46e-04	6.47e-06	0.0	55.6	4.16	-0.54	-8.61e-03	0.0	-9.46e-04	-0.44
266	81	-0.11	3.35e-03	-1.22e-04	-11.46	0.0	3.01	8.51	-8.24e-03	0.0	3.35e-03	-1.87
		-1.87	-1.23e-03	5.55e-06	0.0	55.6	3.01	-2.95	-8.24e-03	0.0	-1.23e-03	-0.32
266	85	-0.34	3.40e-03	-1.00e-04	-6.28	0.0	2.67	5.29	-8.21e-03	0.0	3.40e-03	-1.58
		-1.58	-1.16e-03	5.33e-06	0.0	55.6	2.67	-0.99	-8.21e-03	0.0	-1.16e-03	-0.39
266	98	-0.68	3.60e-03	-1.74e-04	-6.28	0.0	3.86	6.48	-8.66e-03	0.0	3.60e-03	-2.53
		-2.53	-1.21e-03	5.85e-06	0.0	55.6	3.86	0.20	-8.66e-03	0.0	-1.21e-03	-0.68
266	99	-0.58	3.25e-03	-1.33e-04	-7.32	0.0	3.03	6.13	-8.41e-03	0.0	3.25e-03	-2.00
		-2.00	-1.42e-03	5.16e-06	0.0	55.6	3.03	-1.18	-8.41e-03	0.0	-1.42e-03	-0.63
266	102	-0.69	3.24e-03	-1.38e-04	-6.28	0.0	3.02	5.55	-8.47e-03	0.0	3.24e-03	-2.06
		-2.06	-1.47e-03	4.91e-06	0.0	55.6	3.02	-0.73	-8.47e-03	0.0	-1.47e-03	-0.72
266	104	-0.58	3.28e-03	-1.25e-04	-6.28	0.0	2.92	5.46	-8.38e-03	0.0	3.28e-03	-1.90
		-1.90	-1.37e-03	5.14e-06	0.0	55.6	2.92	-0.82	-8.38e-03	0.0	-1.37e-03	-0.61
266	106	-0.64	3.25e-03	-1.31e-04	-6.28	0.0	2.99	5.51	-8.42e-03	0.0	3.25e-03	-1.98
		-1.98	-1.43e-03	5.10e-06	0.0	55.6	2.99	-0.77	-8.42e-03	0.0	-1.43e-03	-0.66
266	107	-0.68	3.55e-03	-1.68e-04	-6.28	0.0	3.74	6.34	-8.63e-03	0.0	3.55e-03	-2.45
		-2.45	-1.25e-03	5.74e-06	0.0	55.6	3.74	0.06	-8.63e-03	0.0	-1.25e-03	-0.68

266	128	-3.95	3.54e-03	-4.62e-04	-6.28	0.0	7.19	8.67	-0.01	0.0	3.54e-03	-7.09
		-7.09	-3.29e-03	1.81e-05	0.0	55.6	7.19	2.39	-0.01	0.0	-3.29e-03	-3.95
266	136	-4.16	5.07e-03	-4.90e-04	-6.28	0.0	7.41	8.98	-0.01	0.0	5.07e-03	-7.48
		-7.48	-2.76e-03	1.67e-04	0.0	55.6	7.41	2.70	-0.01	0.0	-2.76e-03	-4.16
266	138	-3.52	5.91e-03	-4.53e-04	-6.28	0.0	6.83	9.17	-0.01	0.0	5.91e-03	-6.79
		-6.79	-1.90e-03	-2.98e-06	0.0	55.6	6.83	2.89	-0.01	0.0	-1.90e-03	-3.52
266	139	3.13	2.03e-03	1.53e-04	-6.28	0.0	0.06	3.69	-3.84e-03	0.0	2.03e-03	2.57
		2.57	2.70e-04	-1.56e-04	0.0	55.6	0.06	-2.59	-3.84e-03	0.0	2.70e-04	2.81
266	160	-4.36	3.54e-03	-4.99e-04	-6.28	0.0	7.62	8.96	-0.01	0.0	3.54e-03	-7.67
		-7.67	-3.55e-03	1.95e-05	0.0	55.6	7.62	2.68	-0.01	0.0	-3.55e-03	-4.36
266	168	-4.60	5.25e-03	-5.30e-04	-6.28	0.0	7.87	9.32	-0.01	0.0	5.25e-03	-8.11
		-8.11	-2.95e-03	1.89e-04	0.0	55.6	7.87	3.03	-0.01	0.0	-2.95e-03	-4.60
266	170	-3.88	6.21e-03	-4.89e-04	-6.28	0.0	7.22	9.52	-0.02	0.0	6.21e-03	-7.33
		-7.33	-1.98e-03	-3.88e-06	0.0	55.6	7.22	3.24	-0.02	0.0	-1.98e-03	-3.88
266	171	3.66	1.85e-03	1.93e-04	-6.28	0.0	-0.40	3.36	-3.24e-03	0.0	1.85e-03	3.20
		3.20	4.63e-04	-1.78e-04	0.0	55.6	-0.40	-2.92	-3.24e-03	0.0	4.63e-04	3.24
266	192	-4.29	3.52e-03	-4.92e-04	-6.28	0.0	7.55	8.92	-0.01	0.0	3.52e-03	-7.57
		-7.57	-3.52e-03	1.91e-05	0.0	55.6	7.55	2.64	-0.01	0.0	-3.52e-03	-4.29
266	200	-4.57	5.23e-03	-5.25e-04	-6.28	0.0	7.83	9.28	-0.01	0.0	5.23e-03	-8.04
		-8.04	-2.96e-03	1.98e-04	0.0	55.6	7.83	3.00	-0.01	0.0	-2.96e-03	-4.57
266	202	-3.83	6.16e-03	-4.84e-04	-6.28	0.0	7.17	9.46	-0.01	0.0	6.16e-03	-7.26
		-7.26	-1.96e-03	-3.62e-06	0.0	55.6	7.17	3.18	-0.01	0.0	-1.96e-03	-3.83
266	203	3.61	1.88e-03	1.89e-04	-6.28	0.0	-0.36	3.40	-3.27e-03	0.0	1.88e-03	3.13
		3.13	4.72e-04	-1.86e-04	0.0	55.6	-0.36	-2.89	-3.27e-03	0.0	4.72e-04	3.21
266	224	-4.89	3.51e-03	-5.45e-04	-6.28	0.0	8.17	9.34	-0.01	0.0	3.51e-03	-8.40
		-8.40	-3.91e-03	2.14e-05	0.0	55.6	8.17	3.06	-0.01	0.0	-3.91e-03	-4.89
266	232	-5.22	5.48e-03	-5.84e-04	-6.28	0.0	8.52	9.76	-0.01	0.0	5.48e-03	-8.97
		-8.97	-3.28e-03	2.39e-04	0.0	55.6	8.52	3.48	-0.01	0.0	-3.28e-03	-5.22
266	234	-4.33	6.60e-03	-5.36e-04	-6.28	0.0	7.72	9.97	-0.02	0.0	6.60e-03	-8.04
		-8.04	-2.07e-03	-5.27e-06	0.0	55.6	7.72	3.69	-0.02	0.0	-2.07e-03	-4.33
266	235	4.41	1.62e-03	2.48e-04	-6.28	0.0	-1.05	2.91	-2.37e-03	0.0	1.62e-03	4.07
		3.87	7.88e-04	-2.28e-04	0.0	55.6	-1.05	-3.37	-2.37e-03	0.0	7.88e-04	3.87
267	4	-1.77	0.03	1.58e-04	-6.15	0.0	5.76	0.85	0.06	0.0	8.86e-04	-1.80
		-2.99	8.86e-04	7.54e-06	0.0	53.6	5.76	-5.29	0.06	0.0	0.03	-2.99
267	19	-0.40	0.02	3.58e-05	-2.93	0.0	2.28	0.79	0.04	0.0	6.28e-04	-0.46
		-0.82	6.28e-04	3.01e-06	0.0	53.6	2.28	-2.14	0.04	0.0	0.02	-0.82
267	28	-2.44	0.03	2.07e-04	-6.15	0.0	6.33	0.65	0.06	0.0	8.28e-04	-2.46
		-3.76	8.28e-04	8.12e-06	0.0	53.6	6.33	-5.50	0.06	0.0	0.03	-3.76
267	46	-1.58	0.02	1.24e-04	-4.79	0.0	3.44	1.24	0.03	0.0	5.31e-04	-1.67
		-2.29	5.31e-04	4.38e-06	0.0	53.6	3.44	-3.55	0.03	0.0	0.02	-2.29
267	68	-1.29	0.02	1.14e-04	-4.38	0.0	4.15	0.63	0.04	0.0	6.65e-04	-1.31
		-2.15	6.65e-04	5.50e-06	0.0	53.6	4.15	-3.75	0.04	0.0	0.02	-2.15
267	72	-0.63	0.02	5.35e-05	-3.13	0.0	2.58	0.77	0.04	0.0	6.16e-04	-0.68
		-1.11	6.16e-04	3.51e-06	0.0	53.6	2.58	-2.36	0.04	0.0	0.02	-1.11
267	80	-1.74	0.02	1.46e-04	-4.38	0.0	4.53	0.49	0.04	0.0	6.26e-04	-1.75
		-2.66	6.26e-04	5.88e-06	0.0	53.6	4.53	-3.89	0.04	0.0	0.02	-2.66
267	86	-1.42	0.02	1.13e-04	-4.38	0.0	3.36	1.07	0.04	0.0	5.51e-04	-1.49
		-2.09	5.51e-04	4.42e-06	0.0	53.6	3.36	-3.31	0.04	0.0	0.02	-2.09
267	98	-1.33	0.02	1.12e-04	-3.13	0.0	3.83	0.22	0.04	0.0	6.26e-04	-1.34
		-2.06	6.26e-04	5.22e-06	0.0	53.6	3.83	-2.91	0.04	0.0	0.02	-2.06
267	102	-0.94	0.02	7.51e-05	-3.13	0.0	2.87	0.68	0.04	0.0	5.88e-04	-0.97
		-1.45	5.88e-04	4.08e-06	0.0	53.6	2.87	-2.45	0.04	0.0	0.02	-1.45
267	104	-1.09	0.02	8.59e-05	-3.13	0.0	2.99	0.64	0.04	0.0	5.75e-04	-1.12
		-1.62	5.75e-04	4.21e-06	0.0	53.6	2.99	-2.50	0.04	0.0	0.02	-1.62
267	105	-1.36	0.02	1.13e-04	-3.13	0.0	3.76	0.26	0.04	0.0	6.13e-04	-1.37
		-2.07	6.13e-04	5.07e-06	0.0	53.6	3.76	-2.87	0.04	0.0	0.02	-2.07
267	106	-1.01	0.02	8.05e-05	-3.13	0.0	2.94	0.66	0.04	0.0	5.81e-04	-1.05
		-1.53	5.81e-04	4.22e-06	0.0	53.6	2.94	-2.48	0.04	0.0	0.02	-1.53
267	107	-1.29	0.02	1.07e-04	-3.13	0.0	3.71	0.28	0.04	0.0	6.19e-04	-1.29
		-1.98	6.19e-04	5.08e-06	0.0	53.6	3.71	-2.85	0.04	0.0	0.02	-1.98
267	113	-0.32	-2.43e-04	4.13e-05	-3.13	0.0	1.90	0.98	-0.01	0.0	-2.43e-04	-0.40
		-0.74	-6.41e-03	4.21e-05	0.0	53.6	1.90	-2.15	-0.01	0.0	-6.41e-03	-0.74
267	114	-2.19	0.05	1.73e-04	-3.13	0.0	5.52	-0.42	0.09	0.0	1.48e-03	-2.19
		-3.22	1.48e-03	-3.20e-05	0.0	53.6	5.52	-3.55	0.09	0.0	0.05	-3.22
267	124	3.64	0.03	-1.54e-04	-3.13	0.0	-2.00	1.80	0.05	0.0	7.02e-04	3.37
		3.37	7.02e-04	-2.13e-05	0.0	53.6	-2.00	-1.33	0.05	0.0	0.03	3.48
267	127	-5.96	0.02	3.69e-04	-3.13	0.0	9.41	-1.24	0.03	0.0	5.36e-04	-5.96
		-7.45	5.36e-04	3.14e-05	0.0	53.6	9.41	-4.37	0.03	0.0	0.02	-7.45
267	136	4.03	0.03	-1.71e-04	-3.13	0.0	-1.48	1.65	0.05	0.0	8.41e-04	3.80
		3.80	8.41e-04	5.49e-05	0.0	53.6	-1.48	-1.49	0.05	0.0	0.03	3.83
267	139	-6.39	0.02	3.85e-04	-3.13	0.0	8.90	-1.08	0.03	0.0	3.98e-04	-6.39
		-7.80	3.98e-04	-4.47e-05	0.0	53.6	8.90	-4.22	0.03	0.0	0.02	-7.80
267	145	-0.20	-3.51e-04	3.29e-05	-3.13	0.0	1.66	1.07	-0.02	0.0	-3.51e-04	-0.28
		-0.59	-0.01	4.78e-05	0.0	53.6	1.66	-2.06	-0.02	0.0	-0.01	-0.59
267	146	-2.31	0.05	1.81e-04	-3.13	0.0	5.75	-0.51	0.10	0.0	1.59e-03	-2.31

		-3.38	1.59e-03	-3.76e-05	0.0	53.6	5.75	-3.64	0.10	0.0	0.05	-3.38
267	156	4.28	0.03	-1.87e-04	-3.13	0.0	-2.71	1.99	0.05	0.0	7.11e-04	3.95
		3.95	7.11e-04	-2.38e-05	0.0	53.6	-2.71	-1.14	0.05	0.0	0.03	4.16
267	159	-6.54	0.02	4.01e-04	-3.13	0.0	10.12	-1.43	0.03	0.0	5.27e-04	-6.54
		-8.12	5.27e-04	3.40e-05	0.0	53.6	10.12	-4.56	0.03	0.0	0.02	-8.12
267	168	4.72	0.03	-2.06e-04	-3.13	0.0	-2.14	1.82	0.05	0.0	8.69e-04	4.44
		4.44	8.69e-04	6.21e-05	0.0	53.6	-2.14	-1.31	0.05	0.0	0.03	4.56
267	171	-7.03	0.01	4.20e-04	-3.13	0.0	9.55	-1.26	0.03	0.0	3.69e-04	-7.03
		-8.53	3.69e-04	-5.20e-05	0.0	53.6	9.55	-4.39	0.03	0.0	0.01	-8.53
267	177	-0.20	-3.15e-04	3.28e-05	-3.13	0.0	1.64	1.08	-0.02	0.0	-3.15e-04	-0.29
		-0.59	-8.60e-03	7.43e-05	0.0	53.6	1.64	-2.05	-0.02	0.0	-8.60e-03	-0.59
267	178	-2.30	0.05	1.82e-04	-3.13	0.0	5.77	-0.51	0.10	0.0	1.55e-03	-2.30
		-3.38	1.55e-03	-6.41e-05	0.0	53.6	5.77	-3.65	0.10	0.0	0.05	-3.38
267	188	4.16	0.03	-1.81e-04	-3.13	0.0	-2.61	1.97	0.05	0.0	7.02e-04	3.84
		3.84	7.02e-04	-9.57e-06	0.0	53.6	-2.61	-1.17	0.05	0.0	0.03	4.03
267	191	-6.43	0.02	3.96e-04	-3.13	0.0	10.02	-1.40	0.03	0.0	5.36e-04	-6.43
		-8.00	5.36e-04	1.97e-05	0.0	53.6	10.02	-4.54	0.03	0.0	0.02	-8.00
267	200	4.70	0.03	-2.06e-04	-3.13	0.0	-2.14	1.83	0.05	0.0	8.73e-04	4.42
		4.42	8.73e-04	6.96e-05	0.0	53.6	-2.14	-1.30	0.05	0.0	0.03	4.55
267	203	-7.01	0.01	4.20e-04	-3.13	0.0	9.55	-1.27	0.03	0.0	3.66e-04	-7.01
		-8.51	3.66e-04	-5.94e-05	0.0	53.6	9.55	-4.40	0.03	0.0	0.01	-8.51
267	209	6.75e-04	-4.59e-04	1.93e-05	-3.13	0.0	1.25	1.23	-0.02	0.0	-4.59e-04	-0.11
		-0.33	-0.01	1.02e-04	0.0	53.6	1.25	-1.91	-0.02	0.0	-0.01	-0.33
267	210	-2.48	0.06	1.95e-04	-3.13	0.0	6.16	-0.66	0.11	0.0	1.70e-03	-2.48
		-3.63	1.70e-03	-9.19e-05	0.0	53.6	6.16	-3.79	0.11	0.0	0.06	-3.63
267	220	5.08	0.03	-2.28e-04	-3.13	0.0	-3.64	2.24	0.05	0.0	7.13e-04	4.66
		4.66	7.13e-04	-4.12e-06	0.0	53.6	-3.64	-0.89	0.05	0.0	0.03	5.00
267	223	-7.25	0.02	4.42e-04	-3.13	0.0	11.05	-1.68	0.03	0.0	5.26e-04	-7.25
		-8.97	5.26e-04	1.43e-05	0.0	53.6	11.05	-4.81	0.03	0.0	0.02	-8.97
267	232	5.78	0.03	-2.60e-04	-3.13	0.0	-3.16	2.11	0.06	0.0	9.14e-04	5.40
		5.40	9.14e-04	8.54e-05	0.0	53.6	-3.16	-1.02	0.06	0.0	0.03	5.68
267	235	-7.99	0.01	4.75e-04	-3.13	0.0	10.58	-1.55	0.02	0.0	3.24e-04	-7.99
		-9.65	3.24e-04	-7.52e-05	0.0	53.6	10.58	-4.68	0.02	0.0	0.01	-9.65
268	3	-0.24	8.87e-04	1.76e-04	-4.44	0.0	3.92	-0.40	2.86e-03	0.0	-7.07e-04	-0.24
		-1.69	-7.07e-04	7.40e-06	0.0	55.7	3.92	-4.84	2.86e-03	0.0	8.87e-04	-1.69
268	4	-0.23	8.86e-04	1.84e-04	-6.38	0.0	4.09	0.39	2.88e-03	0.0	-7.20e-04	-0.24
		-1.80	-7.20e-04	7.82e-06	0.0	55.7	4.09	-5.99	2.88e-03	0.0	8.86e-04	-1.80
268	19	0.03	6.28e-04	4.14e-05	-3.04	0.0	1.63	0.73	1.92e-03	0.0	-4.41e-04	-0.02
		-0.46	-4.41e-04	3.12e-06	0.0	55.7	1.63	-2.31	1.92e-03	0.0	6.28e-04	-0.46
268	20	0.11	6.27e-04	4.94e-05	-4.97	0.0	1.79	1.51	1.94e-03	0.0	-4.54e-04	-0.02
		-0.57	-4.54e-04	3.54e-06	0.0	55.7	1.79	-3.46	1.94e-03	0.0	6.27e-04	-0.57
268	28	-0.65	8.28e-04	2.44e-04	-6.38	0.0	4.54	-0.06	2.71e-03	0.0	-6.82e-04	-0.65
		-2.46	-6.82e-04	8.42e-06	0.0	55.7	4.54	-6.44	2.71e-03	0.0	8.28e-04	-2.46
268	44	-0.80	7.82e-04	2.40e-04	-6.38	0.0	4.29	0.14	2.53e-03	0.0	-6.29e-04	-0.80
		-2.50	-6.29e-04	7.71e-06	0.0	55.7	4.29	-6.24	2.53e-03	0.0	7.82e-04	-2.50
268	67	-0.21	6.65e-04	1.27e-04	-3.25	0.0	2.84	-0.23	2.13e-03	0.0	-5.20e-04	-0.21
		-1.24	-5.20e-04	5.42e-06	0.0	55.7	2.84	-3.49	2.13e-03	0.0	6.65e-04	-1.24
268	68	-0.20	6.65e-04	1.32e-04	-4.54	0.0	2.95	0.29	2.14e-03	0.0	-5.29e-04	-0.21
		-1.31	-5.29e-04	5.70e-06	0.0	55.7	2.95	-4.25	2.14e-03	0.0	6.65e-04	-1.31
268	72	-0.09	6.16e-04	6.25e-05	-3.25	0.0	1.86	0.63	1.89e-03	0.0	-4.38e-04	-0.13
		-0.68	-4.38e-04	3.64e-06	0.0	55.7	1.86	-2.62	1.89e-03	0.0	6.16e-04	-0.68
268	73	-0.05	6.15e-04	6.79e-05	-4.54	0.0	1.97	1.15	1.91e-03	0.0	-4.47e-04	-0.13
		-0.75	-4.47e-04	3.92e-06	0.0	55.7	1.97	-3.39	1.91e-03	0.0	6.15e-04	-0.75
268	80	-0.49	6.26e-04	1.72e-04	-4.54	0.0	3.26	-8.20e-03	2.03e-03	0.0	-5.04e-04	-0.49
		-1.75	-5.04e-04	6.10e-06	0.0	55.7	3.26	-4.55	2.03e-03	0.0	6.26e-04	-1.75
268	88	-0.58	5.95e-04	1.70e-04	-4.54	0.0	3.09	0.12	1.91e-03	0.0	-4.68e-04	-0.58
		-1.78	-4.68e-04	5.62e-06	0.0	55.7	3.09	-4.42	1.91e-03	0.0	5.95e-04	-1.78
268	98	-0.35	6.26e-04	1.31e-04	-3.25	0.0	2.75	-0.15	1.98e-03	0.0	-4.79e-04	-0.35
		-1.34	-4.79e-04	5.42e-06	0.0	55.7	2.75	-3.40	1.98e-03	0.0	6.26e-04	-1.34
268	102	-0.29	5.88e-04	8.87e-05	-3.25	0.0	2.09	0.43	1.81e-03	0.0	-4.19e-04	-0.31
		-0.97	-4.19e-04	4.23e-06	0.0	55.7	2.09	-2.82	1.81e-03	0.0	5.88e-04	-0.97
268	103	-0.30	6.26e-04	1.20e-04	-3.25	0.0	2.61	-0.03	1.98e-03	0.0	-4.74e-04	-0.30
		-1.22	-4.74e-04	5.12e-06	0.0	55.7	2.61	-3.28	1.98e-03	0.0	6.26e-04	-1.22
268	105	-0.39	6.13e-04	1.33e-04	-3.25	0.0	2.71	-0.13	1.94e-03	0.0	-4.66e-04	-0.39
		-1.37	-4.66e-04	5.25e-06	0.0	55.7	2.71	-3.38	1.94e-03	0.0	6.13e-04	-1.37
268	106	-0.34	5.81e-04	9.52e-05	-3.25	0.0	2.15	0.38	1.79e-03	0.0	-4.14e-04	-0.36
		-1.05	-4.14e-04	4.37e-06	0.0	55.7	2.15	-2.87	1.79e-03	0.0	5.81e-04	-1.05
268	107	-0.35	6.19e-04	1.26e-04	-3.25	0.0	2.67	-0.08	1.96e-03	0.0	-4.69e-04	-0.35
		-1.29	-4.69e-04	5.27e-06	0.0	55.7	2.67	-3.33	1.96e-03	0.0	6.19e-04	-1.29
268	114	-0.73	1.48e-03	2.06e-04	-3.25	0.0	3.98	-1.05	3.48e-03	0.0	-6.07e-04	-0.73
		-2.19	-6.07e-04	-1.95e-05	0.0	55.7	3.98	-4.31	3.48e-03	0.0	1.48e-03	-2.19
268	115	-2.37	1.26e-03	3.90e-04	-3.25	0.0	6.14	-2.86	3.79e-03	0.0	-7.23e-04	-2.37
		-4.84	-7.23e-04	-4.33e-05	0.0	55.7	6.14	-6.11	3.79e-03	0.0	1.26e-03	-4.84
268	124	3.37	7.02e-04	-2.09e-04	-3.25	0.0	-1.84	3.39	6.61e-04	0.0	-2.53e-04	2.40
		2.40	-2.53e-04	-2.96e-05	0.0	55.7	-1.84	0.13	6.61e-04	0.0	7.02e-04	3.37

268	127	-3.10	5.36e-04	4.61e-04	-3.25	0.0	7.18	-3.54	3.25e-03	0.0	-6.85e-04	-3.10
		-5.96	-6.85e-04	4.01e-05	0.0	55.7	7.18	-6.79	3.25e-03	0.0	5.36e-04	-5.96
268	136	3.80	8.41e-04	-2.33e-04	-3.25	0.0	-1.53	3.49	1.14e-03	0.0	-2.24e-04	2.77
		2.77	-2.24e-04	5.53e-05	0.0	55.7	-1.53	0.24	1.14e-03	0.0	8.41e-04	3.80
268	139	-3.47	3.98e-04	4.85e-04	-3.25	0.0	6.87	-3.64	2.77e-03	0.0	-7.15e-04	-3.47
		-6.39	-7.15e-04	-4.48e-05	0.0	55.7	6.87	-6.89	2.77e-03	0.0	3.98e-04	-6.39
268	146	-0.78	1.59e-03	2.16e-04	-3.25	0.0	4.15	-1.18	3.68e-03	0.0	-6.25e-04	-0.78
		-2.31	-6.25e-04	-2.36e-05	0.0	55.7	4.15	-4.43	3.68e-03	0.0	1.59e-03	-2.31
268	147	-2.63	1.34e-03	4.23e-04	-3.25	0.0	6.58	-3.21	4.02e-03	0.0	-7.55e-04	-2.63
		-5.29	-7.55e-04	-5.00e-05	0.0	55.7	6.58	-6.46	4.02e-03	0.0	1.34e-03	-5.29
268	156	3.95	7.11e-04	-2.50e-04	-3.25	0.0	-2.40	3.82	5.01e-04	0.0	-2.26e-04	2.74
		2.74	-2.26e-04	-3.32e-05	0.0	55.7	-2.40	0.56	5.01e-04	0.0	7.11e-04	3.95
268	159	-3.44	5.27e-04	5.02e-04	-3.25	0.0	7.74	-3.97	3.41e-03	0.0	-7.12e-04	-3.44
		-6.54	-7.12e-04	4.37e-05	0.0	55.7	7.74	-7.22	3.41e-03	0.0	5.27e-04	-6.54
268	168	4.44	8.69e-04	-2.78e-04	-3.25	0.0	-2.06	3.94	1.04e-03	0.0	-1.92e-04	3.16
		3.16	-1.92e-04	6.26e-05	0.0	55.7	-2.06	0.69	1.04e-03	0.0	8.69e-04	4.44
268	171	-3.86	3.69e-04	5.30e-04	-3.25	0.0	7.40	-4.09	2.87e-03	0.0	-7.47e-04	-3.86
		-7.03	-7.47e-04	-5.21e-05	0.0	55.7	7.40	-7.35	2.87e-03	0.0	3.69e-04	-7.03
268	178	-0.76	1.55e-03	2.16e-04	-3.25	0.0	4.17	-1.18	3.62e-03	0.0	-6.22e-04	-0.76
		-2.30	-6.22e-04	-5.14e-05	0.0	55.7	4.17	-4.44	3.62e-03	0.0	1.55e-03	-2.30
268	188	3.84	7.02e-04	-2.43e-04	-3.25	0.0	-2.32	3.74	5.49e-04	0.0	-2.30e-04	2.67
		2.67	-2.30e-04	-1.86e-05	0.0	55.7	-2.32	0.49	5.49e-04	0.0	7.02e-04	3.84
268	191	-3.36	5.36e-04	4.95e-04	-3.25	0.0	7.66	-3.90	3.36e-03	0.0	-7.09e-04	-3.36
		-6.43	-7.09e-04	2.91e-05	0.0	55.7	7.66	-7.15	3.36e-03	0.0	5.36e-04	-6.43
268	199	-3.80	4.51e-04	5.26e-04	-3.25	0.0	7.49	-4.07	3.06e-03	0.0	-7.53e-04	-3.80
		-6.96	-7.53e-04	-5.19e-05	0.0	55.7	7.49	-7.33	3.06e-03	0.0	4.51e-04	-6.96
268	200	4.42	8.73e-04	-2.77e-04	-3.25	0.0	-2.06	3.94	1.07e-03	0.0	-1.91e-04	3.14
		3.14	-1.91e-04	7.04e-05	0.0	55.7	-2.06	0.69	1.07e-03	0.0	8.73e-04	4.42
268	203	-3.83	3.66e-04	5.29e-04	-3.25	0.0	7.39	-4.09	2.84e-03	0.0	-7.48e-04	-3.83
		-7.01	-7.48e-04	-5.99e-05	0.0	55.7	7.39	-7.35	2.84e-03	0.0	3.66e-04	-7.01
268	210	-0.83	1.70e-03	2.32e-04	-3.25	0.0	4.45	-1.39	3.88e-03	0.0	-6.48e-04	-0.83
		-2.48	-6.48e-04	-7.78e-05	0.0	55.7	4.45	-4.64	3.88e-03	0.0	1.70e-03	-2.48
268	220	4.66	7.13e-04	-3.02e-04	-3.25	0.0	-3.14	4.36	3.31e-04	0.0	-1.91e-04	3.15
		3.15	-1.91e-04	-1.46e-05	0.0	55.7	-3.14	1.11	3.31e-04	0.0	7.13e-04	4.66
268	223	-3.84	5.26e-04	5.54e-04	-3.25	0.0	8.47	-4.51	3.58e-03	0.0	-7.48e-04	-3.84
		-7.25	-7.48e-04	2.52e-05	0.0	55.7	8.47	-7.77	3.58e-03	0.0	5.26e-04	-7.25
268	231	-4.37	4.23e-04	5.94e-04	-3.25	0.0	8.31	-4.75	3.24e-03	0.0	-8.02e-04	-4.37
		-7.91	-8.02e-04	-6.28e-05	0.0	55.7	8.31	-8.01	3.24e-03	0.0	4.23e-04	-7.91
268	232	5.40	9.14e-04	-3.47e-04	-3.25	0.0	-2.88	4.65	9.21e-04	0.0	-1.40e-04	3.73
		3.73	-1.40e-04	8.66e-05	0.0	55.7	-2.88	1.39	9.21e-04	0.0	9.14e-04	5.40
268	235	-4.43	3.24e-04	5.99e-04	-3.25	0.0	8.22	-4.80	2.99e-03	0.0	-7.99e-04	-4.43
		-7.99	-7.99e-04	-7.61e-05	0.0	55.7	8.22	-8.05	2.99e-03	0.0	3.24e-04	-7.99
269	3	0.57	0.02	1.63e-04	-4.44	0.0	3.07	0.86	-0.03	0.0	0.02	0.52
		-0.24	-7.07e-04	7.51e-06	0.0	55.7	3.07	-3.58	-0.03	0.0	-7.07e-04	-0.24
269	4	0.71	0.02	1.70e-04	-6.38	0.0	3.20	1.71	-0.03	0.0	0.02	0.58
		-0.24	-7.20e-04	7.93e-06	0.0	55.7	3.20	-4.66	-0.03	0.0	-7.20e-04	-0.24
269	11	0.79	0.02	1.55e-04	-8.31	0.0	3.06	2.73	-0.03	0.0	0.02	0.54
		-0.25	-6.92e-04	7.68e-06	0.0	55.7	3.06	-5.58	-0.03	0.0	-6.92e-04	-0.25
269	19	0.30	0.01	3.53e-05	-3.04	0.0	1.35	1.19	-0.02	0.0	0.01	0.17
		-0.02	-4.41e-04	3.19e-06	0.0	55.7	1.35	-1.85	-0.02	0.0	-4.41e-04	-0.02
269	28	0.51	0.02	2.33e-04	-6.38	0.0	3.58	1.22	-0.03	0.0	0.02	0.44
		-0.65	-6.82e-04	8.53e-06	0.0	55.7	3.58	-5.16	-0.03	0.0	-6.82e-04	-0.65
269	42	0.18	0.01	1.84e-04	-6.38	0.0	2.78	1.60	-0.03	0.0	0.01	0.07
		-0.81	-5.32e-04	6.23e-06	0.0	55.7	2.78	-4.78	-0.03	0.0	-5.32e-04	-0.81
269	67	0.38	0.01	1.18e-04	-3.25	0.0	2.24	0.64	-0.03	0.0	0.01	0.34
		-0.21	-5.20e-04	5.50e-06	0.0	55.7	2.24	-2.61	-0.03	0.0	-5.20e-04	-0.21
269	68	0.47	0.01	1.23e-04	-4.54	0.0	2.33	1.21	-0.03	0.0	0.01	0.38
		-0.21	-5.29e-04	5.78e-06	0.0	55.7	2.33	-3.33	-0.03	0.0	-5.29e-04	-0.21
269	71	0.53	0.01	1.13e-04	-5.83	0.0	2.23	1.89	-0.02	0.0	0.01	0.36
		-0.22	-5.10e-04	5.61e-06	0.0	55.7	2.23	-3.94	-0.02	0.0	-5.10e-04	-0.22
269	72	0.26	0.01	5.72e-05	-3.25	0.0	1.53	1.12	-0.02	0.0	0.01	0.16
		-0.13	-4.38e-04	3.71e-06	0.0	55.7	1.53	-2.14	-0.02	0.0	-4.38e-04	-0.13
269	80	0.34	0.01	1.65e-04	-4.54	0.0	2.58	0.88	-0.02	0.0	0.01	0.29
		-0.49	-5.04e-04	6.18e-06	0.0	55.7	2.58	-3.66	-0.02	0.0	-5.04e-04	-0.49
269	86	0.12	0.01	1.32e-04	-4.54	0.0	2.05	1.13	-0.02	0.0	0.01	0.04
		-0.59	-4.04e-04	4.65e-06	0.0	55.7	2.05	-3.41	-0.02	0.0	-4.04e-04	-0.59
269	98	0.26	0.01	1.25e-04	-3.25	0.0	2.20	0.59	-0.02	0.0	0.01	0.23
		-0.35	-4.79e-04	5.49e-06	0.0	55.7	2.20	-2.67	-0.02	0.0	-4.79e-04	-0.35
269	101	0.28	0.01	1.22e-04	-3.77	0.0	2.17	0.85	-0.02	0.0	0.01	0.23
		-0.35	-4.73e-04	5.46e-06	0.0	55.7	2.17	-2.92	-0.02	0.0	-4.73e-04	-0.35
269	102	0.16	0.01	8.53e-05	-3.25	0.0	1.72	0.90	-0.02	0.0	0.01	0.10
		-0.31	-4.19e-04	4.30e-06	0.0	55.7	1.72	-2.36	-0.02	0.0	-4.19e-04	-0.31
269	104	0.12	0.01	9.94e-05	-3.25	0.0	1.81	0.79	-0.02	0.0	0.01	0.07
		-0.40	-4.10e-04	4.43e-06	0.0	55.7	1.81	-2.47	-0.02	0.0	-4.10e-04	-0.40
269	106	0.14	0.01	9.23e-05	-3.25	0.0	1.77	0.84	-0.02	0.0	0.01	0.08

		-0.36	-4.14e-04	4.44e-06	0.0	55.7	1.77	-2.41	-0.02	0.0	-4.14e-04	-0.36
269	107	0.24	0.01	1.21e-04	-3.25	0.0	2.14	0.62	-0.02	0.0	0.01	0.21
		-0.35	-4.69e-04	5.34e-06	0.0	55.7	2.14	-2.63	-0.02	0.0	-4.69e-04	-0.35
269	108	1.57	-2.26e-04	-1.54e-04	-3.25	0.0	-0.76	3.40	0.01	0.0	-6.74e-03	0.12
		0.12	-6.74e-03	1.42e-05	0.0	55.7	-0.76	0.14	0.01	0.0	-2.26e-04	1.57
269	111	0.30	0.03	3.95e-04	-3.25	0.0	5.03	-2.15	-0.06	0.0	0.03	0.30
		-2.27	-7.12e-04	-3.48e-06	0.0	55.7	5.03	-5.40	-0.06	0.0	-7.12e-04	-2.27
269	124	2.40	-2.09e-04	-2.42e-04	-3.25	0.0	-1.64	4.31	-1.30e-04	0.0	-2.09e-04	0.78
		0.78	-2.53e-04	-3.71e-05	0.0	55.7	-1.64	1.05	-1.30e-04	0.0	-2.53e-04	2.40
269	127	-0.35	0.03	4.83e-04	-3.25	0.0	5.92	-3.06	-0.05	0.0	0.03	-0.35
		-3.10	-6.85e-04	4.78e-05	0.0	55.7	5.92	-6.32	-0.05	0.0	-6.85e-04	-3.10
269	136	2.77	3.36e-03	-2.72e-04	-3.25	0.0	-1.37	4.62	-7.04e-03	0.0	3.36e-03	0.97
		0.97	-2.24e-04	5.34e-05	0.0	55.7	-1.37	1.37	-7.04e-03	0.0	-2.24e-04	2.77
269	139	-0.54	0.02	5.13e-04	-3.25	0.0	5.65	-3.38	-0.04	0.0	0.02	-0.54
		-3.47	-7.15e-04	-4.27e-05	0.0	55.7	5.65	-6.63	-0.04	0.0	-7.15e-04	-3.47
269	140	1.81	-1.96e-04	-1.89e-04	-3.25	0.0	-1.12	3.74	0.02	0.0	-9.16e-03	0.11
		0.11	-9.16e-03	1.63e-05	0.0	55.7	-1.12	0.49	0.02	0.0	-1.96e-04	1.81
269	143	0.31	0.03	4.30e-04	-3.25	0.0	5.39	-2.50	-0.06	0.0	0.03	0.31
		-2.51	-7.43e-04	-5.57e-06	0.0	55.7	5.39	-5.75	-0.06	0.0	-7.43e-04	-2.51
269	156	2.74	-2.26e-04	-2.87e-04	-3.25	0.0	-2.11	4.77	2.75e-03	0.0	-1.79e-03	0.85
		0.85	-1.79e-03	-4.17e-05	0.0	55.7	-2.11	1.51	2.75e-03	0.0	-2.26e-04	2.74
269	159	-0.42	0.03	5.28e-04	-3.25	0.0	6.39	-3.52	-0.05	0.0	0.03	-0.42
		-3.44	-7.12e-04	5.24e-05	0.0	55.7	6.39	-6.77	-0.05	0.0	-7.12e-04	-3.44
269	168	3.16	2.25e-03	-3.21e-04	-3.25	0.0	-1.82	5.13	-5.05e-03	0.0	2.25e-03	1.06
		1.06	-1.92e-04	6.04e-05	0.0	55.7	-1.82	1.87	-5.05e-03	0.0	-1.92e-04	3.16
269	171	-0.64	0.02	5.62e-04	-3.25	0.0	6.09	-3.88	-0.04	0.0	0.02	-0.64
		-3.86	-7.47e-04	-4.98e-05	0.0	55.7	6.09	-7.14	-0.04	0.0	-7.47e-04	-3.86
269	172	1.77	-1.99e-04	-1.85e-04	-3.25	0.0	-1.11	3.71	0.01	0.0	-8.20e-03	0.13
		0.13	-8.20e-03	4.41e-05	0.0	55.7	-1.11	0.45	0.01	0.0	-1.99e-04	1.77
269	175	0.30	0.03	4.26e-04	-3.25	0.0	5.38	-2.46	-0.06	0.0	0.03	0.30
		-2.46	-7.40e-04	-3.34e-05	0.0	55.7	5.38	-5.71	-0.06	0.0	-7.40e-04	-2.46
269	188	2.67	-2.30e-04	-2.79e-04	-3.25	0.0	-2.05	4.68	1.64e-03	0.0	-1.17e-03	0.83
		0.83	-1.17e-03	-2.74e-05	0.0	55.7	-2.05	1.43	1.64e-03	0.0	-2.30e-04	2.67
269	191	-0.41	0.03	5.20e-04	-3.25	0.0	6.32	-3.44	-0.05	0.0	0.03	-0.41
		-3.36	-7.09e-04	3.81e-05	0.0	55.7	6.32	-6.69	-0.05	0.0	-7.09e-04	-3.36
269	200	3.14	2.82e-03	-3.20e-04	-3.25	0.0	-1.81	5.11	-6.08e-03	0.0	2.82e-03	1.05
		1.05	-1.91e-04	6.81e-05	0.0	55.7	-1.81	1.86	-6.08e-03	0.0	-1.91e-04	3.14
269	203	-0.63	0.02	5.61e-04	-3.25	0.0	6.08	-3.87	-0.04	0.0	0.02	-0.63
		-3.83	-7.48e-04	-5.74e-05	0.0	55.7	6.08	-7.12	-0.04	0.0	-7.48e-04	-3.83
269	204	2.11	-1.54e-04	-2.36e-04	-3.25	0.0	-1.67	4.22	0.02	0.0	-0.01	0.12
		0.12	-0.01	6.74e-05	0.0	55.7	-1.67	0.97	0.02	0.0	-1.54e-04	2.11
269	207	0.30	0.04	4.77e-04	-3.25	0.0	5.94	-2.98	-0.07	0.0	0.04	0.30
		-2.81	-7.85e-04	-5.67e-05	0.0	55.7	5.94	-6.23	-0.07	0.0	-7.85e-04	-2.81
269	220	3.15	-1.91e-04	-3.43e-04	-3.25	0.0	-2.73	5.33	5.43e-03	0.0	-3.24e-03	0.93
		0.93	-3.24e-03	-2.51e-05	0.0	55.7	-2.73	2.08	5.43e-03	0.0	-1.91e-04	3.15
269	223	-0.51	0.03	5.84e-04	-3.25	0.0	7.00	-4.09	-0.05	0.0	0.03	-0.51
		-3.84	-7.48e-04	3.58e-05	0.0	55.7	7.00	-7.34	-0.05	0.0	-7.48e-04	-3.84
269	232	3.73	1.36e-03	-3.96e-04	-3.25	0.0	-2.50	5.89	-3.45e-03	0.0	1.36e-03	1.19
		1.19	-1.40e-04	8.39e-05	0.0	55.7	-2.50	2.64	-3.45e-03	0.0	-1.40e-04	3.73
269	235	-0.77	0.02	6.38e-04	-3.25	0.0	6.77	-4.65	-0.04	0.0	0.02	-0.77
		-4.43	-7.99e-04	-7.32e-05	0.0	55.7	6.77	-7.90	-0.04	0.0	-7.99e-04	-4.43
270	3	0.62	0.02	1.32e-04	-4.44	0.0	0.95	3.17	0.02	0.0	8.89e-03	-6.89e-03
		-6.89e-03	8.89e-03	5.39e-06	0.0	55.7	0.95	-1.27	0.02	0.0	0.02	0.52
270	11	0.88	0.02	1.21e-04	-8.31	0.0	1.02	5.14	0.01	0.0	0.01	-5.78e-03
		-5.78e-03	0.01	5.64e-06	0.0	55.7	1.02	-3.17	0.01	0.0	0.02	0.54
270	19	0.30	0.01	2.56e-05	-3.04	0.0	0.49	1.83	2.41e-03	0.0	0.01	-3.34e-03
		-3.34e-03	0.01	1.75e-06	0.0	55.7	0.49	-1.21	2.41e-03	0.0	0.01	0.17
270	35	0.79	0.02	1.83e-04	-8.31	0.0	1.12	4.89	0.03	0.0	-2.97e-04	-5.69e-03
		-5.69e-03	-2.97e-04	6.34e-06	0.0	55.7	1.12	-3.42	0.03	0.0	0.02	0.40
270	45	0.18	0.01	1.29e-04	-3.04	0.0	0.65	1.42	0.03	0.0	-6.37e-03	-3.19e-03
		-0.06	-6.37e-03	2.91e-06	0.0	55.7	0.65	-1.62	0.03	0.0	0.01	-0.06
270	67	0.43	0.01	9.66e-05	-3.25	0.0	0.70	2.25	0.01	0.0	5.98e-03	-4.98e-03
		-4.98e-03	5.98e-03	3.92e-06	0.0	55.7	0.70	-1.00	0.01	0.0	0.01	0.34
270	71	0.60	0.01	8.93e-05	-5.83	0.0	0.75	3.56	0.01	0.0	6.85e-03	-4.23e-03
		-4.23e-03	6.85e-03	4.09e-06	0.0	55.7	0.75	-2.27	0.01	0.0	0.01	0.36
270	72	0.31	0.01	4.59e-05	-3.25	0.0	0.54	1.91	7.65e-03	0.0	8.01e-03	-3.43e-03
		-3.43e-03	8.01e-03	2.28e-06	0.0	55.7	0.54	-1.34	7.65e-03	0.0	0.01	0.16
270	83	0.55	0.01	1.31e-04	-5.83	0.0	0.81	3.40	0.02	0.0	-1.43e-04	-4.17e-03
		-4.17e-03	-1.43e-04	4.55e-06	0.0	55.7	0.81	-2.43	0.02	0.0	0.01	0.26
270	85	0.23	0.01	1.15e-04	-3.25	0.0	0.64	1.64	0.03	0.0	-3.64e-03	-3.32e-03
		-3.32e-03	-3.64e-03	3.06e-06	0.0	55.7	0.64	-1.61	0.03	0.0	0.01	4.97e-03
270	98	0.36	0.01	1.06e-04	-3.25	0.0	0.69	2.05	0.02	0.0	1.84e-03	-4.48e-03
		-4.48e-03	1.84e-03	4.00e-06	0.0	55.7	0.69	-1.20	0.02	0.0	0.01	0.23
270	101	0.39	0.01	1.03e-04	-3.77	0.0	0.70	2.30	0.02	0.0	1.99e-03	-4.27e-03
		-4.27e-03	1.99e-03	3.98e-06	0.0	55.7	0.70	-1.47	0.02	0.0	0.01	0.23

270	102	0.28	0.01	7.33e-05	-3.25	0.0	0.59	1.81	0.02	0.0	2.73e-03	-3.39e-03
		-3.39e-03	2.73e-03	2.92e-06	0.0	55.7	0.59	-1.45	0.02	0.0	0.01	0.10
270	104	0.26	0.01	8.71e-05	-3.25	0.0	0.61	1.75	0.02	0.0	4.01e-04	-3.37e-03
		-3.37e-03	4.01e-04	3.07e-06	0.0	55.7	0.61	-1.50	0.02	0.0	0.01	0.07
270	106	0.27	0.01	8.02e-05	-3.25	0.0	0.60	1.78	0.02	0.0	1.41e-03	-3.38e-03
		-3.38e-03	1.41e-03	3.08e-06	0.0	55.7	0.60	-1.47	0.02	0.0	0.01	0.08
270	107	0.34	0.01	1.02e-04	-3.25	0.0	0.68	2.01	0.02	0.0	1.78e-03	-4.32e-03
		-4.32e-03	1.78e-03	3.87e-06	0.0	55.7	0.68	-1.24	0.02	0.0	0.01	0.21
270	117	0.11	4.73e-03	1.73e-05	-3.25	0.0	0.52	1.19	0.09	0.0	-0.03	-0.01
		-0.24	-0.03	1.64e-05	0.0	55.7	0.52	-2.06	0.09	0.0	4.73e-03	-0.24
270	118	0.68	0.03	1.87e-04	-3.25	0.0	0.85	2.84	-0.05	0.0	0.03	3.10e-03
		3.10e-03	0.02	-8.63e-06	0.0	55.7	0.85	-0.41	-0.05	0.0	0.02	0.67
270	124	0.78	0.01	-2.41e-04	-3.25	0.0	-0.43	3.02	-9.99e-03	0.0	0.01	-3.54e-03
		-3.54e-03	-2.09e-04	-4.45e-05	0.0	55.7	-0.43	-0.23	-9.99e-03	0.0	-2.09e-04	0.78
270	127	0.08	0.03	4.45e-04	-3.25	0.0	1.79	1.01	0.05	0.0	-7.94e-03	-5.11e-03
		-0.35	-7.94e-03	5.23e-05	0.0	55.7	1.79	-2.25	0.05	0.0	0.03	-0.35
270	133	7.35e-03	0.01	3.75e-04	-3.25	0.0	1.39	0.36	6.36e-03	0.0	6.40e-03	-3.86e-03
		-0.71	6.40e-03	-3.89e-05	0.0	55.7	1.39	-2.89	6.36e-03	0.0	0.01	-0.71
270	134	1.13	0.01	-1.70e-04	-3.25	0.0	-0.03	3.67	0.03	0.0	-2.84e-03	-4.79e-03
		-4.79e-03	-2.84e-03	4.66e-05	0.0	55.7	-0.03	0.41	0.03	0.0	0.01	1.13
270	149	0.09	3.82e-03	5.67e-06	-3.25	0.0	0.49	1.09	0.09	0.0	-0.03	-0.01
		-0.30	-0.03	2.24e-05	0.0	55.7	0.49	-2.16	0.09	0.0	3.82e-03	-0.30
270	150	0.73	0.04	1.99e-04	-3.25	0.0	0.87	2.94	-0.05	0.0	0.04	4.06e-03
		4.06e-03	0.02	-1.47e-05	0.0	55.7	0.87	-0.31	-0.05	0.0	0.02	0.72
270	156	0.85	0.01	-2.83e-04	-3.25	0.0	-0.56	3.15	-0.01	0.0	0.01	-3.43e-03
		-3.43e-03	-1.79e-03	-5.00e-05	0.0	55.7	-0.56	-0.10	-0.01	0.0	-1.79e-03	0.85
270	159	0.06	0.03	4.88e-04	-3.25	0.0	1.93	0.88	0.05	0.0	-9.14e-03	-5.21e-03
		-0.42	-9.14e-03	5.77e-05	0.0	55.7	1.93	-2.37	0.05	0.0	0.03	-0.42
270	165	-1.80e-03	0.01	4.09e-04	-3.25	0.0	1.48	0.16	4.76e-03	0.0	6.99e-03	-3.79e-03
		-0.82	6.99e-03	-4.36e-05	0.0	55.7	1.48	-3.10	4.76e-03	0.0	0.01	-0.82
270	166	1.24	0.01	-2.05e-04	-3.25	0.0	-0.12	3.87	0.03	0.0	-3.43e-03	-4.85e-03
		-4.85e-03	-3.43e-03	5.13e-05	0.0	55.7	-0.12	0.62	0.03	0.0	0.01	1.24
270	181	0.10	4.63e-03	-5.34e-06	-3.25	0.0	0.47	1.13	0.09	0.0	-0.03	-0.01
		-0.27	-0.03	6.68e-05	0.0	55.7	0.47	-2.12	0.09	0.0	4.63e-03	-0.27
270	182	0.71	0.04	2.06e-04	-3.25	0.0	0.90	2.90	-0.05	0.0	0.04	4.21e-03
		4.21e-03	0.02	-5.91e-05	0.0	55.7	0.90	-0.36	-0.05	0.0	0.02	0.70
270	188	0.83	0.01	-2.75e-04	-3.25	0.0	-0.54	3.12	-0.01	0.0	0.01	-3.40e-03
		-3.40e-03	-1.17e-03	-3.59e-05	0.0	55.7	-0.54	-0.13	-0.01	0.0	-1.17e-03	0.83
270	191	0.06	0.03	4.80e-04	-3.25	0.0	1.91	0.90	0.05	0.0	-8.91e-03	-5.24e-03
		-0.41	-8.91e-03	4.37e-05	0.0	55.7	1.91	-2.35	0.05	0.0	0.03	-0.41
270	197	-4.78e-04	0.01	4.07e-04	-3.25	0.0	1.47	0.19	5.64e-03	0.0	6.75e-03	-3.77e-03
		-0.80	6.75e-03	-2.93e-05	0.0	55.7	1.47	-3.06	5.64e-03	0.0	0.01	-0.80
270	198	1.22	0.01	-2.02e-04	-3.25	0.0	-0.11	3.83	0.03	0.0	-3.19e-03	-4.88e-03
		-4.88e-03	-3.19e-03	3.70e-05	0.0	55.7	-0.11	0.58	0.03	0.0	0.01	1.22
270	213	0.07	3.45e-03	-2.70e-05	-3.25	0.0	0.40	0.99	0.10	0.0	-0.04	-0.01
		-0.35	-0.04	1.03e-04	0.0	55.7	0.40	-2.26	0.10	0.0	3.45e-03	-0.35
270	214	0.78	0.05	2.32e-04	-3.25	0.0	0.96	3.04	-0.06	0.0	0.05	5.92e-03
		5.92e-03	0.02	-9.53e-05	0.0	55.7	0.96	-0.21	-0.06	0.0	0.02	0.77
270	220	0.93	0.01	-3.36e-04	-3.25	0.0	-0.74	3.30	-0.02	0.0	0.01	-3.20e-03
		-3.20e-03	-3.24e-03	-3.52e-05	0.0	55.7	-0.74	0.05	-0.02	0.0	-3.24e-03	0.93
270	223	0.04	0.03	5.40e-04	-3.25	0.0	2.11	0.73	0.06	0.0	-0.01	-5.44e-03
		-0.51	-0.01	4.29e-05	0.0	55.7	2.11	-2.53	0.06	0.0	0.03	-0.51
270	229	-3.63e-03	0.01	4.58e-04	-3.25	0.0	1.60	-0.10	3.39e-03	0.0	7.64e-03	-3.63e-03
		-0.96	7.64e-03	-2.73e-05	0.0	55.7	1.60	-3.35	3.39e-03	0.0	0.01	-0.96
270	230	1.39	0.01	-2.53e-04	-3.25	0.0	-0.24	4.13	0.04	0.0	-4.08e-03	-5.01e-03
		-5.01e-03	-4.08e-03	3.50e-05	0.0	55.7	-0.24	0.88	0.04	0.0	0.01	1.39
271	3	0.90	8.78e-04	-2.16e-04	-8.60	0.0	1.24	3.32	-0.02	0.0	8.78e-04	0.54
		2.94e-03	-8.37e-03	4.20e-06	0.0	55.6	1.24	-5.27	-0.02	0.0	-8.37e-03	2.94e-03
271	4	1.30	7.68e-04	-2.07e-04	-12.48	0.0	1.32	4.83	-0.02	0.0	7.68e-04	0.79
		2.50e-03	-7.57e-03	4.20e-06	0.0	55.6	1.32	-7.65	-0.02	0.0	-7.57e-03	2.50e-03
271	19	0.39	2.07e-04	-1.48e-04	-5.85	0.0	0.69	3.00	-4.82e-03	0.0	2.07e-04	-0.04
		-0.04	-2.47e-03	2.63e-06	0.0	55.6	0.69	-2.85	-4.82e-03	0.0	-2.47e-03	1.76e-03
271	35	1.75	3.86e-04	-1.17e-04	-16.36	0.0	1.22	6.21	-0.02	0.0	3.86e-04	1.10
		1.97e-03	-0.01	4.58e-06	0.0	55.6	1.22	-10.15	-0.02	0.0	-0.01	1.97e-03
271	43	0.98	6.06e-04	-1.15e-04	-8.60	0.0	1.02	3.09	-0.03	0.0	6.06e-04	0.68
		2.87e-03	-0.02	4.52e-06	0.0	55.6	1.02	-5.51	-0.03	0.0	-0.02	2.87e-03
271	45	0.55	7.70e-05	-4.33e-05	-5.85	0.0	0.55	2.44	-0.02	0.0	7.70e-05	0.27
		1.90e-03	-0.01	3.34e-06	0.0	55.6	0.55	-3.40	-0.02	0.0	-0.01	1.90e-03
271	67	0.63	5.83e-04	-1.56e-04	-6.28	0.0	0.90	2.51	-0.01	0.0	5.83e-04	0.35
		2.20e-03	-6.61e-03	3.26e-06	0.0	55.6	0.90	-3.77	-0.01	0.0	-6.61e-03	2.20e-03
271	68	0.90	5.10e-04	-1.49e-04	-8.87	0.0	0.95	3.51	-0.01	0.0	5.10e-04	0.51
		1.91e-03	-6.08e-03	3.26e-06	0.0	55.6	0.95	-5.36	-0.01	0.0	-6.08e-03	1.91e-03
271	69	1.02	3.18e-06	-1.06e-04	-11.46	0.0	0.80	4.97	-8.24e-03	0.0	3.18e-06	0.42
		1.21e-03	-4.57e-03	3.15e-06	0.0	55.6	0.80	-6.49	-8.24e-03	0.0	-4.57e-03	1.21e-03
271	83	1.20	2.55e-04	-8.98e-05	-11.46	0.0	0.89	4.43	-0.02	0.0	2.55e-04	0.72

		1.55e-03	-9.77e-03	3.51e-06	0.0	55.6	0.89	-7.03	-0.02	0.0	-9.77e-03	1.55e-03
271	85	0.58	9.80e-05	-6.27e-05	-6.28	0.0	0.61	2.67	-0.02	0.0	9.80e-05	0.27
		1.87e-03	-0.01	3.40e-06	0.0	55.6	0.61	-3.61	-0.02	0.0	-0.01	1.87e-03
271	87	0.69	4.02e-04	-8.86e-05	-6.28	0.0	0.75	2.35	-0.02	0.0	4.02e-04	0.44
		2.16e-03	-0.01	3.48e-06	0.0	55.6	0.75	-3.93	-0.02	0.0	-0.01	2.16e-03
271	98	0.62	3.98e-04	-1.23e-04	-6.28	0.0	0.82	2.53	-0.02	0.0	3.98e-04	0.34
		2.09e-03	-8.42e-03	3.57e-06	0.0	55.6	0.82	-3.75	-0.02	0.0	-8.42e-03	2.09e-03
271	99	0.63	6.57e-05	-9.49e-05	-7.32	0.0	0.69	3.25	-0.01	0.0	6.57e-05	0.23
		1.69e-03	-7.53e-03	3.49e-06	0.0	55.6	0.69	-4.07	-0.01	0.0	-7.53e-03	1.69e-03
271	101	0.72	3.26e-04	-1.17e-04	-7.32	0.0	0.82	2.98	-0.02	0.0	3.26e-04	0.38
		1.93e-03	-8.11e-03	3.56e-06	0.0	55.6	0.82	-4.34	-0.02	0.0	-8.11e-03	1.93e-03
271	104	0.53	9.55e-05	-9.05e-05	-6.28	0.0	0.66	2.81	-0.02	0.0	9.55e-05	0.19
		1.81e-03	-8.54e-03	3.47e-06	0.0	55.6	0.66	-3.47	-0.02	0.0	-8.54e-03	1.81e-03
271	105	0.62	3.56e-04	-1.13e-04	-6.28	0.0	0.79	2.54	-0.02	0.0	3.56e-04	0.34
		2.06e-03	-9.13e-03	3.54e-06	0.0	55.6	0.79	-3.74	-0.02	0.0	-9.13e-03	2.06e-03
271	106	0.52	9.49e-05	-9.74e-05	-6.28	0.0	0.67	2.85	-0.01	0.0	9.49e-05	0.17
		1.80e-03	-7.74e-03	3.49e-06	0.0	55.6	0.67	-3.44	-0.01	0.0	-7.74e-03	1.80e-03
271	107	0.61	3.55e-04	-1.20e-04	-6.28	0.0	0.80	2.57	-0.02	0.0	3.55e-04	0.32
		2.05e-03	-8.32e-03	3.56e-06	0.0	55.6	0.80	-3.71	-0.02	0.0	-8.32e-03	2.05e-03
271	124	0.04	0.01	-4.77e-04	-6.28	0.0	1.54	5.31	0.02	0.0	1.77e-03	-1.20
		-1.20	1.77e-03	0.0	0.0	55.6	1.54	-0.97	0.02	0.0	0.01	2.30e-03
271	127	1.84	-1.06e-03	2.38e-04	-6.28	0.0	0.06	-0.16	-0.05	0.0	-1.06e-03	1.84
		1.80e-03	-0.03	6.16e-06	0.0	55.6	0.06	-6.44	-0.05	0.0	-0.03	1.80e-03
271	132	0.09	0.04	-4.37e-04	-6.28	0.0	1.42	4.83	0.07	0.0	3.60e-03	-0.94
		-0.94	3.60e-03	1.59e-04	0.0	55.6	1.42	-1.45	0.07	0.0	0.04	3.75e-04
271	135	1.58	-2.89e-03	1.98e-04	-6.28	0.0	0.18	0.31	-0.10	0.0	-2.89e-03	1.57
		3.72e-03	-0.06	-1.52e-04	0.0	55.6	0.18	-5.97	-0.10	0.0	-0.06	3.72e-03
271	156	0.02	0.02	-5.21e-04	-6.28	0.0	1.63	5.65	0.03	0.0	1.94e-03	-1.39
		-1.39	1.94e-03	0.0	0.0	55.6	1.63	-0.63	0.03	0.0	0.02	2.33e-03
271	159	2.02	-1.23e-03	2.82e-04	-6.28	0.0	-0.03	-0.50	-0.06	0.0	-1.23e-03	2.02
		1.76e-03	-0.03	7.17e-06	0.0	55.6	-0.03	-6.78	-0.06	0.0	-0.03	1.76e-03
271	164	0.06	0.05	-4.76e-04	-6.28	0.0	1.50	5.12	0.08	0.0	4.00e-03	-1.10
		-1.10	4.00e-03	1.79e-04	0.0	55.6	1.50	-1.16	0.08	0.0	0.05	1.64e-04
271	167	1.73	-3.29e-03	2.37e-04	-6.28	0.0	0.10	0.03	-0.12	0.0	-3.29e-03	1.73
		3.93e-03	-0.07	-1.72e-04	0.0	55.6	0.10	-6.25	-0.12	0.0	-0.07	3.93e-03
271	188	0.02	0.02	-5.14e-04	-6.28	0.0	1.62	5.60	0.03	0.0	1.90e-03	-1.37
		-1.37	1.90e-03	-3.48e-06	0.0	55.6	1.62	-0.68	0.03	0.0	0.02	2.33e-03
271	191	2.00	-1.19e-03	2.75e-04	-6.28	0.0	-0.01	-0.45	-0.06	0.0	-1.19e-03	2.00
		1.77e-03	-0.03	1.06e-05	0.0	55.6	-0.01	-6.73	-0.06	0.0	-0.03	1.77e-03
271	196	0.06	0.05	-4.68e-04	-6.28	0.0	1.49	5.10	0.08	0.0	3.97e-03	-1.09
		-1.09	3.97e-03	1.84e-04	0.0	55.6	1.49	-1.18	0.08	0.0	0.05	1.74e-04
271	199	1.72	-3.26e-03	2.29e-04	-6.28	0.0	0.11	0.05	-0.11	0.0	-3.26e-03	1.72
		3.92e-03	-0.07	-1.77e-04	0.0	55.6	0.11	-6.23	-0.11	0.0	-0.07	3.92e-03
271	220	2.39e-03	0.02	-5.78e-04	-6.28	0.0	1.75	6.09	0.03	0.0	2.16e-03	-1.64
		-1.64	2.16e-03	-7.85e-06	0.0	55.6	1.75	-0.19	0.03	0.0	0.02	2.39e-03
271	223	2.27	-1.45e-03	3.39e-04	-6.28	0.0	-0.15	-0.95	-0.06	0.0	-1.45e-03	2.27
		1.71e-03	-0.04	1.50e-05	0.0	55.6	-0.15	-7.23	-0.06	0.0	-0.04	1.71e-03
271	228	0.02	0.06	-5.24e-04	-6.28	0.0	1.61	5.53	0.10	0.0	4.57e-03	-1.33
		-1.33	4.57e-03	2.20e-04	0.0	55.6	1.61	-0.75	0.10	0.0	0.06	-1.60e-04
271	231	1.96	-3.86e-03	2.85e-04	-6.28	0.0	-4.19e-03	-0.39	-0.13	0.0	-3.86e-03	1.96
		4.26e-03	-0.08	-2.13e-04	0.0	55.6	-4.19e-03	-6.67	-0.13	0.0	-0.08	4.26e-03
272	3	0.56	8.78e-04	-2.73e-04	-8.60	0.0	4.40	7.92	2.62e-03	0.0	-5.81e-04	-1.47
		-1.47	-5.81e-04	4.09e-06	0.0	55.6	4.40	-0.67	2.62e-03	0.0	8.78e-04	0.54
272	4	0.91	7.68e-04	-2.75e-04	-12.48	0.0	4.59	10.10	2.55e-03	0.0	-6.48e-04	-1.36
		-1.36	-6.48e-04	4.10e-06	0.0	55.6	4.59	-2.38	2.55e-03	0.0	7.68e-04	0.79
272	9	1.11	8.44e-06	-1.99e-04	-16.36	0.0	3.47	11.15	1.93e-03	0.0	-1.06e-03	-1.00
		-1.00	-1.06e-03	4.03e-06	0.0	55.6	3.47	-5.21	1.93e-03	0.0	8.44e-06	0.65
272	17	0.39	7.36e-04	-2.71e-04	-8.60	0.0	4.06	7.74	2.56e-03	0.0	-6.89e-04	-1.55
		-1.55	-6.89e-04	3.72e-06	0.0	55.6	4.06	-0.85	2.56e-03	0.0	7.36e-04	0.37
272	35	1.50	3.86e-04	-1.90e-04	-16.36	0.0	4.16	11.47	1.97e-03	0.0	-7.10e-04	-0.73
		-0.73	-7.10e-04	4.51e-06	0.0	55.6	4.16	-4.89	1.97e-03	0.0	3.86e-04	1.10
272	45	0.41	7.70e-05	-6.61e-05	-5.85	0.0	1.90	4.12	1.14e-03	0.0	-5.54e-04	-0.40
		-0.40	-5.54e-04	3.31e-06	0.0	55.6	1.90	-1.73	1.14e-03	0.0	7.70e-05	0.27
272	67	0.37	5.83e-04	-1.96e-04	-6.28	0.0	3.18	5.73	1.93e-03	0.0	-4.90e-04	-1.08
		-1.08	-4.90e-04	3.18e-06	0.0	55.6	3.18	-0.55	1.93e-03	0.0	5.83e-04	0.35
272	68	0.60	5.10e-04	-1.97e-04	-8.87	0.0	3.30	7.18	1.88e-03	0.0	-5.35e-04	-1.01
		-1.01	-5.35e-04	3.19e-06	0.0	55.6	3.30	-1.69	1.88e-03	0.0	5.10e-04	0.51
272	69	0.73	3.18e-06	-1.46e-04	-11.46	0.0	2.55	7.88	1.47e-03	0.0	-8.11e-04	-0.77
		-0.77	-8.11e-04	3.14e-06	0.0	55.6	2.55	-3.58	1.47e-03	0.0	3.18e-06	0.42
272	74	0.26	4.89e-04	-1.94e-04	-6.28	0.0	2.95	5.61	1.89e-03	0.0	-5.62e-04	-1.13
		-1.13	-5.62e-04	2.94e-06	0.0	55.6	2.95	-0.67	1.89e-03	0.0	4.89e-04	0.24
272	83	1.00	2.55e-04	-1.40e-04	-11.46	0.0	3.01	8.09	1.50e-03	0.0	-5.76e-04	-0.59
		-0.59	-5.76e-04	3.47e-06	0.0	55.6	3.01	-3.37	1.50e-03	0.0	2.55e-04	0.72
272	85	0.40	9.80e-05	-8.79e-05	-6.28	0.0	2.08	4.55	1.26e-03	0.0	-6.01e-04	-0.52
		-0.52	-6.01e-04	3.37e-06	0.0	55.6	2.08	-1.73	1.26e-03	0.0	9.80e-05	0.27

272	98	0.38	3.98e-04	-1.59e-04	-6.28	0.0	2.86	5.34	1.72e-03	0.0	-5.56e-04	-0.88
		-0.88	-5.56e-04	3.51e-06	0.0	55.6	2.86	-0.94	1.72e-03	0.0	3.98e-04	0.34
272	99	0.37	6.57e-05	-1.23e-04	-7.32	0.0	2.30	5.40	1.44e-03	0.0	-7.35e-04	-0.74
		-0.74	-7.35e-04	3.47e-06	0.0	55.6	2.30	-1.92	1.44e-03	0.0	6.57e-05	0.23
272	101	0.46	3.26e-04	-1.54e-04	-7.32	0.0	2.83	5.85	1.66e-03	0.0	-5.97e-04	-0.84
		-0.84	-5.97e-04	3.51e-06	0.0	55.6	2.83	-1.47	1.66e-03	0.0	3.26e-04	0.38
272	103	0.33	3.73e-04	-1.61e-04	-6.28	0.0	2.79	5.32	1.72e-03	0.0	-5.80e-04	-0.92
		-0.92	-5.80e-04	3.39e-06	0.0	55.6	2.79	-0.96	1.72e-03	0.0	3.73e-04	0.30
272	104	0.29	9.55e-05	-1.16e-04	-6.28	0.0	2.21	4.76	1.42e-03	0.0	-6.94e-04	-0.72
		-0.72	-6.94e-04	3.45e-06	0.0	55.6	2.21	-1.52	1.42e-03	0.0	9.55e-05	0.19
272	106	0.26	9.49e-05	-1.23e-04	-6.28	0.0	2.25	4.82	1.46e-03	0.0	-7.17e-04	-0.77
		-0.77	-7.17e-04	3.47e-06	0.0	55.6	2.25	-1.46	1.46e-03	0.0	9.49e-05	0.17
272	107	0.36	3.55e-04	-1.54e-04	-6.28	0.0	2.78	5.27	1.68e-03	0.0	-5.79e-04	-0.87
		-0.87	-5.79e-04	3.50e-06	0.0	55.6	2.78	-1.01	1.68e-03	0.0	3.55e-04	0.32
272	115	1.55	-2.43e-03	-1.37e-05	-6.28	0.0	1.54	5.16	1.53e-03	0.0	-3.30e-03	0.58
		0.58	-3.30e-03	-2.68e-04	0.0	55.6	1.54	-1.12	1.53e-03	0.0	-2.43e-03	1.43
272	124	-1.20	1.77e-03	-5.16e-04	-6.28	0.0	5.43	8.37	2.27e-03	0.0	8.71e-04	-4.17
		-4.17	8.71e-04	2.40e-06	0.0	55.6	5.43	2.08	2.27e-03	0.0	1.77e-03	-1.20
272	127	2.62	-1.06e-03	2.08e-04	-6.28	0.0	0.12	2.17	1.09e-03	0.0	-2.03e-03	2.43
		1.84	-2.03e-03	4.61e-06	0.0	55.6	0.12	-4.11	1.09e-03	0.0	-1.06e-03	1.84
272	132	-0.94	3.60e-03	-4.80e-04	-6.28	0.0	5.03	8.01	3.88e-03	0.0	1.58e-03	-3.69
		-3.69	1.58e-03	1.56e-04	0.0	55.6	5.03	1.72	3.88e-03	0.0	3.60e-03	-0.94
272	147	1.70	-2.78e-03	1.26e-05	-6.28	0.0	1.39	5.15	1.51e-03	0.0	-3.65e-03	0.76
		0.76	-3.65e-03	-3.03e-04	0.0	55.6	1.39	-1.13	1.51e-03	0.0	-2.78e-03	1.57
272	156	-1.39	1.94e-03	-5.61e-04	-6.28	0.0	5.76	8.75	2.35e-03	0.0	1.05e-03	-4.58
		-4.58	1.05e-03	1.56e-06	0.0	55.6	5.76	2.47	2.35e-03	0.0	1.94e-03	-1.39
272	159	2.97	-1.23e-03	2.53e-04	-6.28	0.0	-0.21	1.79	1.01e-03	0.0	-2.21e-03	2.85
		2.02	-2.21e-03	5.45e-06	0.0	55.6	-0.21	-4.50	1.01e-03	0.0	-1.23e-03	2.02
272	164	-1.10	4.00e-03	-5.20e-04	-6.28	0.0	5.32	8.34	4.15e-03	0.0	1.86e-03	-4.05
		-4.05	1.86e-03	1.76e-04	0.0	55.6	5.32	2.06	4.15e-03	0.0	4.00e-03	-1.10
272	179	1.69	-2.78e-03	-7.40e-06	-6.28	0.0	1.43	5.14	1.53e-03	0.0	-3.66e-03	0.72
		0.72	-3.66e-03	-3.07e-04	0.0	55.6	1.43	-1.14	1.53e-03	0.0	-2.78e-03	1.57
272	188	-1.37	1.90e-03	-5.54e-04	-6.28	0.0	5.71	8.71	2.36e-03	0.0	1.04e-03	-4.51
		-4.51	1.04e-03	-1.99e-06	0.0	55.6	5.71	2.43	2.36e-03	0.0	1.90e-03	-1.37
272	191	2.91	-1.19e-03	2.47e-04	-6.28	0.0	-0.16	1.83	1.00e-03	0.0	-2.20e-03	2.78
		2.00	-2.20e-03	8.99e-06	0.0	55.6	-0.16	-4.46	1.00e-03	0.0	-1.19e-03	2.00
272	196	-1.09	3.97e-03	-5.12e-04	-6.28	0.0	5.27	8.28	4.09e-03	0.0	1.86e-03	-3.99
		-3.99	1.86e-03	1.81e-04	0.0	55.6	5.27	2.00	4.09e-03	0.0	3.97e-03	-1.09
272	211	1.92	-3.32e-03	3.19e-05	-6.28	0.0	1.21	5.12	1.52e-03	0.0	-4.21e-03	0.98
		0.98	-4.21e-03	-3.64e-04	0.0	55.6	1.21	-1.16	1.52e-03	0.0	-3.32e-03	1.79
272	220	-1.64	2.16e-03	-6.20e-04	-6.28	0.0	6.19	9.28	2.49e-03	0.0	1.32e-03	-5.10
		-5.10	1.32e-03	-6.15e-06	0.0	55.6	6.19	3.00	2.49e-03	0.0	2.16e-03	-1.64
272	223	3.43	-1.45e-03	3.12e-04	-6.28	0.0	-0.64	1.26	8.71e-04	0.0	-2.48e-03	3.37
		2.27	-2.48e-03	1.32e-05	0.0	55.6	-0.64	-5.02	8.71e-04	0.0	-1.45e-03	2.27
272	228	-1.33	4.57e-03	-5.69e-04	-6.28	0.0	5.67	8.76	4.47e-03	0.0	2.29e-03	-4.49
		-4.49	2.29e-03	2.17e-04	0.0	55.6	5.67	2.48	4.47e-03	0.0	4.57e-03	-1.33
273	4	-1.36	2.72e-03	-2.92e-04	-12.48	0.0	8.94	12.40	-6.06e-03	0.0	2.72e-03	-4.79
		-4.79	-6.48e-04	4.18e-06	0.0	55.6	8.94	-0.08	-6.06e-03	0.0	-6.48e-04	-1.36
273	9	-0.76	3.25e-03	-2.11e-04	-16.36	0.0	6.60	12.55	-7.76e-03	0.0	3.25e-03	-3.43
		-3.43	-1.06e-03	4.16e-06	0.0	55.6	6.60	-3.80	-7.76e-03	0.0	-1.06e-03	-1.00
273	15	-1.36	3.73e-03	-2.18e-04	-8.60	0.0	5.91	7.93	-8.39e-03	0.0	3.73e-03	-3.39
		-3.39	-9.31e-04	3.77e-06	0.0	55.6	5.91	-0.67	-8.39e-03	0.0	-9.31e-04	-1.37
273	36	-0.03	2.15e-03	-1.05e-04	-13.61	0.0	4.55	9.78	-5.23e-03	0.0	2.15e-03	-1.98
		-1.98	-7.59e-04	3.49e-06	0.0	55.6	4.55	-3.84	-5.23e-03	0.0	-7.59e-04	-0.33
273	45	-0.35	2.36e-03	-7.33e-05	-5.85	0.0	3.58	4.91	-5.24e-03	0.0	2.36e-03	-1.50
		-1.50	-5.54e-04	3.38e-06	0.0	55.6	3.58	-0.94	-5.24e-03	0.0	-5.54e-04	-0.40
273	68	-1.01	2.19e-03	-2.08e-04	-8.87	0.0	6.40	8.76	-4.91e-03	0.0	2.19e-03	-3.42
		-3.42	-5.35e-04	3.26e-06	0.0	55.6	6.40	-0.10	-4.91e-03	0.0	-5.35e-04	-1.01
273	69	-0.61	2.54e-03	-1.54e-04	-11.46	0.0	4.84	8.87	-6.04e-03	0.0	2.54e-03	-2.51
		-2.51	-8.11e-04	3.24e-06	0.0	55.6	4.84	-2.59	-6.04e-03	0.0	-8.11e-04	-0.77
273	72	-1.01	2.87e-03	-1.58e-04	-6.28	0.0	4.38	5.78	-6.46e-03	0.0	2.87e-03	-2.48
		-2.48	-7.24e-04	2.99e-06	0.0	55.6	4.38	-0.50	-6.46e-03	0.0	-7.24e-04	-1.02
273	81	-0.28	2.27e-03	-1.16e-04	-11.46	0.0	4.57	8.63	-5.41e-03	0.0	2.27e-03	-2.08
		-2.08	-7.38e-04	3.52e-06	0.0	55.6	4.57	-2.83	-5.41e-03	0.0	-7.38e-04	-0.47
273	85	-0.48	2.41e-03	-9.46e-05	-6.28	0.0	3.92	5.38	-5.42e-03	0.0	2.41e-03	-1.76
		-1.76	-6.01e-04	3.44e-06	0.0	55.6	3.92	-0.90	-5.42e-03	0.0	-6.01e-04	-0.52
273	98	-0.88	2.28e-03	-1.67e-04	-6.28	0.0	5.51	6.62	-5.11e-03	0.0	2.28e-03	-2.82
		-2.82	-5.56e-04	3.58e-06	0.0	55.6	5.51	0.34	-5.11e-03	0.0	-5.56e-04	-0.88
273	99	-0.69	2.56e-03	-1.28e-04	-7.32	0.0	4.34	6.22	-5.93e-03	0.0	2.56e-03	-2.16
		-2.16	-7.35e-04	3.56e-06	0.0	55.6	4.34	-1.10	-5.93e-03	0.0	-7.35e-04	-0.74
273	102	-0.80	2.66e-03	-1.33e-04	-6.28	0.0	4.26	5.62	-6.07e-03	0.0	2.66e-03	-2.20
		-2.20	-7.19e-04	3.44e-06	0.0	55.6	4.26	-0.66	-6.07e-03	0.0	-7.19e-04	-0.82
273	104	-0.69	2.56e-03	-1.20e-04	-6.28	0.0	4.17	5.54	-5.86e-03	0.0	2.56e-03	-2.05
		-2.05	-6.94e-04	3.53e-06	0.0	55.6	4.17	-0.74	-5.86e-03	0.0	-6.94e-04	-0.72
273	106	-0.74	2.60e-03	-1.26e-04	-6.28	0.0	4.23	5.58	-5.98e-03	0.0	2.60e-03	-2.12

		-2.12	-7.17e-04	3.56e-06	0.0	55.6	4.23	-0.70	-5.98e-03	0.0	-7.17e-04	-0.77
273	107	-0.87	2.33e-03	-1.61e-04	-6.28	0.0	5.32	6.47	-5.23e-03	0.0	2.33e-03	-2.72
		-2.72	-5.79e-04	3.57e-06	0.0	55.6	5.32	0.19	-5.23e-03	0.0	-5.79e-04	-0.87
273	115	0.59	1.73e-03	-2.55e-05	-6.28	0.0	3.35	6.52	-8.79e-03	0.0	1.73e-03	-0.85
		-0.85	-3.30e-03	-2.65e-04	0.0	55.6	3.35	0.24	-8.79e-03	0.0	-3.30e-03	0.58
273	124	-4.17	5.07e-03	-4.85e-04	-6.28	0.0	9.86	8.79	-8.39e-03	0.0	5.07e-03	-7.43
		-7.43	8.71e-04	4.06e-06	0.0	55.6	9.86	2.51	-8.39e-03	0.0	8.71e-04	-4.17
273	127	2.68	-4.16e-04	1.63e-04	-6.28	0.0	0.79	4.15	-2.07e-03	0.0	-4.16e-04	2.00
		2.00	-2.03e-03	3.09e-06	0.0	55.6	0.79	-2.13	-2.07e-03	0.0	-2.03e-03	2.43
273	138	-3.35	5.68e-03	-4.56e-04	-6.28	0.0	8.74	9.00	-9.78e-03	0.0	5.68e-03	-6.44
		-6.44	4.94e-04	-5.80e-06	0.0	55.6	8.74	2.72	-9.78e-03	0.0	4.94e-04	-3.35
273	147	0.78	1.65e-03	-1.35e-05	-6.28	0.0	3.10	6.53	-9.24e-03	0.0	1.65e-03	-0.62
		-0.62	-3.65e-03	-2.99e-04	0.0	55.6	3.10	0.24	-9.24e-03	0.0	-3.65e-03	0.76
273	156	-4.58	5.41e-03	-5.26e-04	-6.28	0.0	10.43	9.08	-8.79e-03	0.0	5.41e-03	-8.02
		-8.02	1.05e-03	3.40e-06	0.0	55.6	10.43	2.80	-8.79e-03	0.0	1.05e-03	-4.58
273	159	3.16	-7.58e-04	2.04e-04	-6.28	0.0	0.22	3.86	-1.67e-03	0.0	-7.58e-04	2.59
		2.59	-2.21e-03	3.75e-06	0.0	55.6	0.22	-2.42	-1.67e-03	0.0	-2.21e-03	2.85
273	170	-3.66	6.09e-03	-4.92e-04	-6.28	0.0	9.16	9.31	-0.01	0.0	6.09e-03	-6.91
		-6.91	6.29e-04	-6.76e-06	0.0	55.6	9.16	3.03	-0.01	0.0	6.29e-04	-3.66
273	179	0.74	1.65e-03	-1.63e-05	-6.28	0.0	3.18	6.53	-9.29e-03	0.0	1.65e-03	-0.70
		-0.70	-3.66e-03	-3.04e-04	0.0	55.6	3.18	0.25	-9.29e-03	0.0	-3.66e-03	0.72
273	188	-4.51	5.37e-03	-5.20e-04	-6.28	0.0	10.34	9.05	-8.76e-03	0.0	5.37e-03	-7.93
		-7.93	1.04e-03	0.0	0.0	55.6	10.34	2.77	-8.76e-03	0.0	1.04e-03	-4.51
273	191	3.09	-7.10e-04	1.98e-04	-6.28	0.0	0.31	3.90	-1.70e-03	0.0	-7.10e-04	2.49
		2.49	-2.20e-03	7.41e-06	0.0	55.6	0.31	-2.39	-1.70e-03	0.0	-2.20e-03	2.78
273	202	-3.62	6.03e-03	-4.86e-04	-6.28	0.0	9.11	9.26	-0.01	0.0	6.03e-03	-6.85
		-6.85	6.26e-04	-6.41e-06	0.0	55.6	9.11	2.98	-0.01	0.0	6.26e-04	-3.62
273	211	1.00	1.55e-03	1.15e-05	-6.28	0.0	2.86	6.54	-0.01	0.0	1.55e-03	-0.39
		-0.39	-4.21e-03	-3.60e-04	0.0	55.6	2.86	0.26	-0.01	0.0	-4.21e-03	0.98
273	220	-5.10	5.86e-03	-5.79e-04	-6.28	0.0	11.15	9.47	-9.35e-03	0.0	5.86e-03	-8.77
		-8.77	1.32e-03	-4.20e-06	0.0	55.6	11.15	3.19	-9.35e-03	0.0	1.32e-03	-5.10
273	223	3.79	-1.20e-03	2.57e-04	-6.28	0.0	-0.50	3.47	-1.11e-03	0.0	-1.20e-03	3.33
		3.33	-2.48e-03	1.13e-05	0.0	55.6	-0.50	-2.81	-1.11e-03	0.0	-2.48e-03	3.37
273	234	-4.07	6.63e-03	-5.38e-04	-6.28	0.0	9.73	9.71	-0.01	0.0	6.63e-03	-7.52
		-7.52	8.24e-04	-8.10e-06	0.0	55.6	9.73	3.43	-0.01	0.0	8.24e-04	-4.07
274	4	-6.01	7.57e-04	-1.53e-04	-11.14	0.0	5.93	6.75	-5.77e-03	0.0	7.57e-04	-7.03
		-7.03	-2.11e-03	6.65e-06	0.0	49.6	5.93	-4.39	-5.77e-03	0.0	-2.11e-03	-6.44
274	15	-4.01	1.26e-03	-1.17e-04	-7.67	0.0	3.95	4.20	-0.01	0.0	1.26e-03	-4.59
		-4.59	-4.58e-03	4.83e-06	0.0	49.6	3.95	-3.47	-0.01	0.0	-4.58e-03	-4.40
274	45	-1.81	5.01e-04	-3.51e-05	-5.22	0.0	2.22	3.06	-4.86e-03	0.0	5.01e-04	-2.25
		-2.25	-1.91e-03	4.61e-06	0.0	49.6	2.22	-2.16	-4.86e-03	0.0	-1.91e-03	-2.03
274	68	-4.27	6.25e-04	-1.09e-04	-7.92	0.0	4.25	4.76	-5.02e-03	0.0	6.25e-04	-4.98
		-4.98	-1.87e-03	4.98e-06	0.0	49.6	4.25	-3.15	-5.02e-03	0.0	-1.87e-03	-4.58
274	72	-2.94	9.57e-04	-8.47e-05	-5.61	0.0	2.93	3.06	-9.02e-03	0.0	9.57e-04	-3.35
		-3.35	-3.52e-03	3.77e-06	0.0	49.6	2.93	-2.54	-9.02e-03	0.0	-3.52e-03	-3.22
274	85	-2.13	5.84e-04	-4.73e-05	-5.61	0.0	2.49	3.25	-5.53e-03	0.0	5.84e-04	-2.59
		-2.59	-2.16e-03	4.63e-06	0.0	49.6	2.49	-2.35	-5.53e-03	0.0	-2.16e-03	-2.37
274	98	-3.54	6.30e-04	-8.64e-05	-5.61	0.0	3.68	3.44	-5.36e-03	0.0	6.30e-04	-4.06
		-4.06	-2.03e-03	5.07e-06	0.0	49.6	3.68	-2.16	-5.36e-03	0.0	-2.03e-03	-3.74
274	102	-2.61	8.26e-04	-6.96e-05	-5.61	0.0	2.82	3.14	-7.74e-03	0.0	8.26e-04	-3.05
		-3.05	-3.01e-03	4.36e-06	0.0	49.6	2.82	-2.47	-7.74e-03	0.0	-3.01e-03	-2.88
274	104	-2.45	7.51e-04	-6.22e-05	-5.61	0.0	2.74	3.18	-7.05e-03	0.0	7.51e-04	-2.90
		-2.90	-2.74e-03	4.53e-06	0.0	49.6	2.74	-2.43	-7.05e-03	0.0	-2.74e-03	-2.71
274	106	-2.53	7.93e-04	-6.59e-05	-5.61	0.0	2.80	3.16	-7.42e-03	0.0	7.93e-04	-2.97
		-2.97	-2.89e-03	4.51e-06	0.0	49.6	2.80	-2.45	-7.42e-03	0.0	-2.89e-03	-2.80
274	107	-3.40	6.53e-04	-8.35e-05	-5.61	0.0	3.55	3.40	-5.66e-03	0.0	6.53e-04	-3.91
		-3.91	-2.15e-03	4.99e-06	0.0	49.6	3.55	-2.21	-5.66e-03	0.0	-2.15e-03	-3.61
274	116	-5.71	3.16e-03	-1.58e-04	-5.61	0.0	5.00	2.66	-0.03	0.0	3.16e-03	-6.03
		-6.10	-0.01	2.38e-04	0.0	49.6	5.00	-2.95	-0.03	0.0	-0.01	-6.10
274	119	-1.03	6.77e-03	-1.12e-05	-5.61	0.0	2.10	4.14	0.02	0.0	-1.86e-03	-1.79
		-1.79	-1.86e-03	-2.28e-04	0.0	49.6	2.10	-1.46	0.02	0.0	6.77e-03	-1.12
274	136	-8.36	2.42e-03	-2.51e-04	-5.61	0.0	6.40	1.93	-0.02	0.0	2.42e-03	-8.53
		-8.96	-8.64e-03	1.45e-04	0.0	49.6	6.40	-3.67	-0.02	0.0	-8.64e-03	-8.96
274	139	1.76	4.34e-03	8.39e-05	-5.61	0.0	0.71	4.87	0.01	0.0	-1.11e-03	0.71
		0.71	-1.11e-03	-1.35e-04	0.0	49.6	0.71	-0.74	0.01	0.0	4.34e-03	1.74
274	148	-6.00	3.49e-03	-1.68e-04	-5.61	0.0	5.19	2.57	-0.03	0.0	3.49e-03	-6.29
		-6.41	-0.01	2.69e-04	0.0	49.6	5.19	-3.04	-0.03	0.0	-0.01	-6.41
274	151	-0.73	7.93e-03	-5.98e-06	-5.61	0.0	1.92	4.24	0.02	0.0	-2.18e-03	-1.52
		-1.52	-2.18e-03	-2.59e-04	0.0	49.6	1.92	-1.37	0.02	0.0	7.93e-03	-0.81
274	168	-8.97	2.65e-03	-2.72e-04	-5.61	0.0	6.76	1.75	-0.02	0.0	2.65e-03	-9.10
		-9.63	-9.48e-03	1.64e-04	0.0	49.6	6.76	-3.86	-0.02	0.0	-9.48e-03	-9.63
274	171	2.42	5.17e-03	1.05e-04	-5.61	0.0	0.35	5.05	0.01	0.0	-1.34e-03	1.29
		1.29	-1.34e-03	-1.54e-04	0.0	49.6	0.35	-0.55	0.01	0.0	5.17e-03	2.41
274	180	-5.97	3.55e-03	-1.66e-04	-5.61	0.0	5.18	2.57	-0.03	0.0	3.55e-03	-6.26
		-6.37	-0.01	2.81e-04	0.0	49.6	5.18	-3.04	-0.03	0.0	-0.01	-6.37

274	183	-0.76	8.16e-03	-6.60e-06	-5.61	0.0	1.92	4.23	0.02	0.0	-2.25e-03	-1.55
		-1.55	-2.25e-03	-2.71e-04	0.0	49.6	1.92	-1.37	0.02	0.0	8.16e-03	-0.85
274	200	-8.90	2.68e-03	-2.69e-04	-5.61	0.0	6.72	1.77	-0.02	0.0	2.68e-03	-9.04
		-9.55	-9.59e-03	1.72e-04	0.0	49.6	6.72	-3.84	-0.02	0.0	-9.59e-03	-9.55
274	203	2.35	5.28e-03	1.02e-04	-5.61	0.0	0.38	5.04	0.01	0.0	-1.37e-03	1.23
		1.23	-1.37e-03	-1.62e-04	0.0	49.6	0.38	-0.57	0.01	0.0	5.28e-03	2.33
274	212	-6.41	4.13e-03	-1.81e-04	-5.61	0.0	5.47	2.42	-0.04	0.0	4.13e-03	-6.67
		-6.86	-0.01	3.40e-04	0.0	49.6	5.47	-3.18	-0.04	0.0	-0.01	-6.86
274	215	-0.30	0.01	1.38e-05	-5.61	0.0	1.63	4.38	0.03	0.0	-2.83e-03	-1.14
		-1.14	-2.83e-03	-3.30e-04	0.0	49.6	1.63	-1.23	0.03	0.0	0.01	-0.36
274	232	-9.79	3.07e-03	-3.00e-04	-5.61	0.0	7.25	1.49	-0.03	0.0	3.07e-03	-9.89
		-10.54	-0.01	2.09e-04	0.0	49.6	7.25	-4.11	-0.03	0.0	-0.01	-10.54
274	235	3.32	6.69e-03	1.33e-04	-5.61	0.0	-0.15	5.31	0.02	0.0	-1.76e-03	2.08
		2.08	-1.76e-03	-1.99e-04	0.0	49.6	-0.15	-0.30	0.02	0.0	6.69e-03	3.32
275	4	-5.76	9.83e-04	-7.42e-05	-11.14	0.0	4.47	3.60	-4.55e-04	0.0	9.83e-04	-6.05
		-7.03	7.57e-04	6.57e-06	0.0	49.6	4.47	-7.53	-4.55e-04	0.0	7.57e-04	-7.03
275	19	-2.70	1.06e-03	-5.47e-05	-5.22	0.0	2.15	1.42	2.83e-03	0.0	-3.41e-04	-2.80
		-3.39	-3.41e-04	3.19e-06	0.0	49.6	2.15	-3.80	2.83e-03	0.0	1.06e-03	-3.39
275	28	-5.20	1.41e-03	-4.77e-05	-11.14	0.0	4.15	3.99	-1.98e-03	0.0	1.41e-03	-5.56
		-6.34	4.22e-04	7.39e-06	0.0	49.6	4.15	-7.15	-1.98e-03	0.0	4.22e-04	-6.34
275	45	-1.78	5.01e-04	-1.15e-05	-5.22	0.0	1.62	2.06	2.77e-04	0.0	3.64e-04	-1.98
		-2.25	3.64e-04	4.55e-06	0.0	49.6	1.62	-3.16	2.77e-04	0.0	5.01e-04	-2.25
275	68	-4.08	6.25e-04	-5.32e-05	-7.92	0.0	3.20	2.55	0.0	0.0	6.25e-04	-4.28
		-4.98	6.25e-04	4.91e-06	0.0	49.6	3.20	-5.37	0.0	0.0	6.25e-04	-4.98
275	72	-2.67	9.57e-04	-4.84e-05	-5.61	0.0	2.19	1.69	2.27e-03	0.0	-1.69e-04	-2.80
		-3.35	-1.69e-04	3.65e-06	0.0	49.6	2.19	-3.92	2.27e-03	0.0	9.57e-04	-3.35
275	85	-2.05	5.84e-04	-1.89e-05	-5.61	0.0	1.84	2.11	5.70e-04	0.0	3.01e-04	-2.25
		-2.59	3.01e-04	4.56e-06	0.0	49.6	1.84	-3.49	5.70e-04	0.0	5.84e-04	-2.59
275	98	-3.37	6.30e-04	-4.08e-05	-5.61	0.0	2.77	1.65	2.84e-04	0.0	4.89e-04	-3.49
		-4.06	4.89e-04	4.99e-06	0.0	49.6	2.77	-3.96	2.84e-04	0.0	6.30e-04	-4.06
275	102	-2.43	8.26e-04	-3.65e-05	-5.61	0.0	2.12	1.86	1.63e-03	0.0	1.52e-05	-2.58
		-3.05	1.52e-05	4.26e-06	0.0	49.6	2.12	-3.75	1.63e-03	0.0	8.26e-04	-3.05
275	104	-2.30	7.51e-04	-3.06e-05	-5.61	0.0	2.05	1.94	1.29e-03	0.0	1.09e-04	-2.47
		-2.90	1.09e-04	4.44e-06	0.0	49.6	2.05	-3.66	1.29e-03	0.0	7.51e-04	-2.90
275	106	-2.37	7.93e-04	-3.35e-05	-5.61	0.0	2.10	1.90	1.48e-03	0.0	6.12e-05	-2.53
		-2.97	6.12e-05	4.41e-06	0.0	49.6	2.10	-3.71	1.48e-03	0.0	7.93e-04	-2.97
275	107	-3.23	6.53e-04	-3.98e-05	-5.61	0.0	2.67	1.68	4.54e-04	0.0	4.28e-04	-3.35
		-3.91	4.28e-04	4.91e-06	0.0	49.6	2.67	-3.92	4.54e-04	0.0	6.53e-04	-3.91
275	116	-4.81	3.16e-03	-9.34e-05	-5.61	0.0	3.66	0.37	0.01	0.0	-2.56e-03	-4.82
		-6.03	-2.56e-03	2.36e-04	0.0	49.6	3.66	-5.23	0.01	0.0	3.16e-03	-6.03
275	119	-1.49	3.42e-03	1.39e-05	-5.61	0.0	1.68	2.99	-0.01	0.0	3.42e-03	-1.88
		-1.88	-1.86e-03	-2.26e-04	0.0	49.6	1.68	-2.61	-0.01	0.0	-1.86e-03	-1.79
275	136	-6.56	2.42e-03	-1.60e-04	-5.61	0.0	4.62	-1.16	8.68e-03	0.0	-1.89e-03	-6.56
		-8.53	-1.89e-03	1.42e-04	0.0	49.6	4.62	-6.77	8.68e-03	0.0	2.42e-03	-8.53
275	139	0.77	2.75e-03	8.02e-05	-5.61	0.0	0.72	4.53	-7.77e-03	0.0	2.75e-03	-0.14
		-0.14	-1.11e-03	-1.32e-04	0.0	49.6	0.72	-1.08	-7.77e-03	0.0	-1.11e-03	0.71
275	148	-5.00	3.49e-03	-1.00e-04	-5.61	0.0	3.79	0.21	0.01	0.0	-2.95e-03	-5.00
		-6.29	-2.95e-03	2.67e-04	0.0	49.6	3.79	-5.40	0.01	0.0	3.49e-03	-6.29
275	151	-1.26	3.81e-03	2.06e-05	-5.61	0.0	1.56	3.16	-0.01	0.0	3.81e-03	-1.70
		-1.70	-2.18e-03	-2.57e-04	0.0	49.6	1.56	-2.45	-0.01	0.0	-2.18e-03	-1.52
275	168	-6.96	2.65e-03	-1.75e-04	-5.61	0.0	4.87	-1.52	9.74e-03	0.0	-2.19e-03	-6.96
		-9.10	-2.19e-03	1.61e-04	0.0	49.6	4.87	-7.12	9.74e-03	0.0	2.65e-03	-9.10
275	171	1.32	3.05e-03	9.52e-05	-5.61	0.0	0.47	4.88	-8.83e-03	0.0	3.05e-03	0.26
		0.26	-1.34e-03	-1.51e-04	0.0	49.6	0.47	-0.72	-8.83e-03	0.0	-1.34e-03	1.29
275	180	-4.98	3.55e-03	-9.92e-05	-5.61	0.0	3.78	0.23	0.01	0.0	-3.03e-03	-4.98
		-6.26	-3.03e-03	2.80e-04	0.0	49.6	3.78	-5.38	0.01	0.0	3.55e-03	-6.26
275	183	-1.28	3.88e-03	1.97e-05	-5.61	0.0	1.56	3.14	-0.01	0.0	3.88e-03	-1.72
		-1.72	-2.25e-03	-2.70e-04	0.0	49.6	1.56	-2.47	-0.01	0.0	-2.25e-03	-1.55
275	200	-6.92	2.68e-03	-1.73e-04	-5.61	0.0	4.85	-1.48	9.87e-03	0.0	-2.22e-03	-6.92
		-9.04	-2.22e-03	1.70e-04	0.0	49.6	4.85	-7.08	9.87e-03	0.0	2.68e-03	-9.04
275	203	1.25	3.08e-03	9.35e-05	-5.61	0.0	0.50	4.84	-8.96e-03	0.0	3.08e-03	0.21
		0.21	-1.37e-03	-1.60e-04	0.0	49.6	0.50	-0.76	-8.96e-03	0.0	-1.37e-03	1.23
275	212	-5.27	4.13e-03	-1.10e-04	-5.61	0.0	3.98	-0.02	0.02	0.0	-3.71e-03	-5.27
		-6.67	-3.71e-03	3.39e-04	0.0	49.6	3.98	-5.63	0.02	0.0	4.13e-03	-6.67
275	215	-0.93	4.57e-03	3.00e-05	-5.61	0.0	1.36	3.39	-0.01	0.0	4.57e-03	-1.43
		-1.43	-2.83e-03	-3.29e-04	0.0	49.6	1.36	-2.22	-0.01	0.0	-2.83e-03	-1.14
275	232	-7.51	3.07e-03	-1.95e-04	-5.61	0.0	5.21	-2.00	0.01	0.0	-2.72e-03	-7.51
		-9.89	-2.72e-03	2.06e-04	0.0	49.6	5.21	-7.61	0.01	0.0	3.07e-03	-9.89
275	235	2.08	3.57e-03	1.16e-04	-5.61	0.0	0.13	5.37	-0.01	0.0	3.57e-03	0.81
		0.81	-1.76e-03	-1.96e-04	0.0	49.6	0.13	-0.24	-0.01	0.0	-1.76e-03	2.08
276	4	-3.63	0.02	-1.29e-05	-11.14	0.0	5.58	0.71	-0.04	0.0	0.02	-3.64
		-6.05	9.83e-04	6.57e-06	0.0	49.6	5.58	-10.42	-0.04	0.0	9.83e-04	-6.05
276	19	-1.63	7.03e-03	-2.44e-05	-5.22	0.0	2.57	0.25	-0.01	0.0	7.03e-03	-1.63
		-2.80	-3.41e-04	3.27e-06	0.0	49.6	2.57	-4.97	-0.01	0.0	-3.41e-04	-2.80
276	28	-3.36	0.02	1.67e-05	-11.14	0.0	5.47	1.21	-0.04	0.0	0.02	-3.39

		-5.56	1.41e-03	7.36e-06	0.0	49.6	5.47	-9.93	-0.04	0.0	1.41e-03	-5.56
276	45	-1.16	0.01	1.20e-05	-5.22	0.0	2.37	1.08	-0.02	0.0	0.01	-1.22
		-1.98	3.64e-04	4.58e-06	0.0	49.6	2.37	-4.14	-0.02	0.0	3.64e-04	-1.98
276	52	-3.50	0.02	-7.73e-06	-11.14	0.0	5.59	0.96	-0.04	0.0	0.02	-3.52
		-5.80	1.19e-03	7.24e-06	0.0	49.6	5.59	-10.18	-0.04	0.0	1.19e-03	-5.80
276	68	-2.57	0.01	-9.65e-06	-7.92	0.0	4.01	0.52	-0.03	0.0	0.01	-2.57
		-4.28	6.25e-04	4.93e-06	0.0	49.6	4.01	-7.40	-0.03	0.0	6.25e-04	-4.28
276	72	-1.64	8.09e-03	-1.79e-05	-5.61	0.0	2.69	0.48	-0.02	0.0	8.09e-03	-1.65
		-2.80	-1.69e-04	3.72e-06	0.0	49.6	2.69	-5.13	-0.02	0.0	-1.69e-04	-2.80
276	80	-2.39	0.02	1.01e-05	-7.92	0.0	3.93	0.85	-0.03	0.0	0.02	-2.41
		-3.95	9.07e-04	5.45e-06	0.0	49.6	3.93	-7.07	-0.03	0.0	9.07e-04	-3.95
276	85	-1.32	0.01	6.44e-06	-5.61	0.0	2.56	1.03	-0.02	0.0	0.01	-1.37
		-2.25	3.01e-04	4.59e-06	0.0	49.6	2.56	-4.58	-0.02	0.0	3.01e-04	-2.25
276	92	-2.48	0.01	-6.05e-06	-7.92	0.0	4.01	0.68	-0.03	0.0	0.01	-2.49
		-4.12	7.63e-04	5.37e-06	0.0	49.6	4.01	-7.23	-0.03	0.0	7.63e-04	-4.12
276	98	-2.10	0.01	-5.28e-06	-5.61	0.0	3.53	-3.69e-03	-0.02	0.0	0.01	-2.10
		-3.49	4.89e-04	5.02e-06	0.0	49.6	3.53	-5.61	-0.02	0.0	4.89e-04	-3.49
276	102	-1.51	9.17e-03	-1.02e-05	-5.61	0.0	2.70	0.70	-0.02	0.0	9.17e-03	-1.54
		-2.58	1.52e-05	4.32e-06	0.0	49.6	2.70	-4.91	-0.02	0.0	1.52e-05	-2.58
276	104	-1.45	9.74e-03	-7.25e-06	-5.61	0.0	2.67	0.81	-0.02	0.0	9.74e-03	-1.48
		-2.47	1.09e-04	4.49e-06	0.0	49.6	2.67	-4.80	-0.02	0.0	1.09e-04	-2.47
276	106	-1.48	9.44e-03	-8.62e-06	-5.61	0.0	2.70	0.75	-0.02	0.0	9.44e-03	-1.51
		-2.53	6.12e-05	4.46e-06	0.0	49.6	2.70	-4.85	-0.02	0.0	6.12e-05	-2.53
276	107	-2.01	0.01	-5.72e-06	-5.61	0.0	3.41	0.10	-0.02	0.0	0.01	-2.01
		-3.35	4.28e-04	4.94e-06	0.0	49.6	3.41	-5.50	-0.02	0.0	4.28e-04	-3.35
276	116	-2.71	4.16e-04	-4.15e-05	-5.61	0.0	4.51	-1.45	-5.99e-03	0.0	4.16e-04	-2.71
		-4.82	-2.56e-03	2.35e-04	0.0	49.6	4.51	-7.05	-5.99e-03	0.0	-2.56e-03	-4.82
276	131	-0.15	0.02	8.11e-05	-5.61	0.0	1.44	3.23	-0.04	0.0	0.02	-0.61
		-0.61	3.35e-03	-1.26e-05	0.0	49.6	1.44	-2.38	-0.04	0.0	3.35e-03	-0.40
276	136	-3.53	2.80e-03	-9.21e-05	-5.61	0.0	5.49	-3.30	-9.44e-03	0.0	2.80e-03	-3.53
		-6.56	-1.89e-03	1.40e-04	0.0	49.6	5.49	-8.90	-9.44e-03	0.0	-1.89e-03	-6.56
276	139	0.05	0.02	8.90e-05	-5.61	0.0	1.34	3.51	-0.04	0.0	0.02	-0.49
		-0.49	2.75e-03	-1.30e-04	0.0	49.6	1.34	-2.10	-0.04	0.0	2.75e-03	-0.14
276	148	-2.80	-1.08e-03	-4.65e-05	-5.61	0.0	4.65	-1.64	-3.75e-03	0.0	-1.08e-03	-2.80
		-5.00	-2.95e-03	2.66e-04	0.0	49.6	4.65	-7.25	-3.75e-03	0.0	-2.95e-03	-5.00
276	163	0.15	0.03	9.14e-05	-5.61	0.0	1.19	3.62	-0.04	0.0	0.03	-0.43
		-0.43	3.72e-03	-1.46e-05	0.0	49.6	1.19	-1.99	-0.04	0.0	3.72e-03	-0.03
276	168	-3.72	1.63e-03	-1.03e-04	-5.61	0.0	5.75	-3.72	-7.66e-03	0.0	1.63e-03	-3.72
		-6.96	-2.19e-03	1.58e-04	0.0	49.6	5.75	-9.33	-7.66e-03	0.0	-2.19e-03	-6.96
276	171	0.38	0.02	1.00e-04	-5.61	0.0	1.07	3.93	-0.04	0.0	0.02	-0.30
		-0.30	3.05e-03	-1.48e-04	0.0	49.6	1.07	-1.67	-0.04	0.0	3.05e-03	0.26
276	180	-2.79	-1.37e-03	-4.59e-05	-5.61	0.0	4.65	-1.62	-3.33e-03	0.0	-1.37e-03	-2.79
		-4.98	-3.03e-03	2.79e-04	0.0	49.6	4.65	-7.22	-3.33e-03	0.0	-3.03e-03	-4.98
276	195	0.10	0.03	8.97e-05	-5.61	0.0	1.23	3.55	-0.04	0.0	0.03	-0.46
		-0.46	3.69e-03	-1.40e-05	0.0	49.6	1.23	-2.06	-0.04	0.0	3.69e-03	-0.09
276	200	-3.70	1.54e-03	-1.02e-04	-5.61	0.0	5.73	-3.67	-7.57e-03	0.0	1.54e-03	-3.70
		-6.92	-2.22e-03	1.67e-04	0.0	49.6	5.73	-9.28	-7.57e-03	0.0	-2.22e-03	-6.92
276	203	0.35	0.02	9.91e-05	-5.61	0.0	1.10	3.88	-0.04	0.0	0.02	-0.32
		-0.32	3.08e-03	-1.57e-04	0.0	49.6	1.10	-1.72	-0.04	0.0	3.08e-03	0.21
276	212	-2.93	-3.71e-03	-5.37e-05	-5.61	0.0	4.87	-1.91	6.01e-04	0.0	-4.01e-03	-2.93
		-5.27	-4.01e-03	3.38e-04	0.0	49.6	4.87	-7.52	6.01e-04	0.0	-3.71e-03	-5.27
276	215	-0.90	0.03	5.06e-05	-5.61	0.0	1.96	2.12	-0.05	0.0	0.03	-1.10
		-1.43	4.57e-03	-3.28e-04	0.0	49.6	1.96	-3.48	-0.05	0.0	4.57e-03	-1.43
276	232	-3.98	-3.73e-04	-1.19e-04	-5.61	0.0	6.12	-4.30	-4.70e-03	0.0	-3.73e-04	-3.98
		-7.51	-2.72e-03	2.03e-04	0.0	49.6	6.12	-9.91	-4.70e-03	0.0	-2.72e-03	-7.51
276	235	0.86	0.02	1.16e-04	-5.61	0.0	0.71	4.51	-0.04	0.0	0.02	-0.04
		-0.04	3.57e-03	-1.93e-04	0.0	49.6	0.71	-1.10	-0.04	0.0	3.57e-03	0.81
277	4	0.0	0.02	4.24e-05	-11.14	0.0	9.00	-1.78	0.04	0.0	0.0	0.0
		-3.64	0.01	4.69e-06	0.0	49.6	9.00	-12.91	0.04	0.0	0.02	-3.64
277	8	0.0	0.0	3.52e-05	-8.69	0.0	7.26	-1.75	0.03	0.0	0.0	0.0
		-3.02	0.0	3.57e-06	0.0	49.6	7.26	-10.43	0.03	0.0	0.01	-3.02
277	19	0.0	7.03e-03	-8.82e-06	-5.22	0.0	3.86	-0.68	0.01	0.0	0.0	0.0
		-1.63	0.0	2.55e-06	0.0	49.6	3.86	-5.90	0.01	0.0	7.03e-03	-1.63
277	28	0.0	0.02	6.23e-05	-11.14	0.0	9.53	-1.28	0.04	0.0	0.0	0.0
		-3.39	0.0	5.22e-06	0.0	49.6	9.53	-12.41	0.04	0.0	0.02	-3.39
277	36	0.14	0.01	3.25e-05	-12.15	0.0	5.16	2.59	0.02	0.0	0.0	0.0
		-1.73	0.0	3.65e-06	0.0	49.6	5.16	-9.56	0.02	0.0	0.01	-1.73
277	68	0.0	0.01	2.90e-05	-7.92	0.0	6.48	-1.23	0.03	0.0	0.0	0.0
		-2.57	0.0	3.57e-06	0.0	49.6	6.48	-9.15	0.03	0.0	0.01	-2.57
277	72	0.0	8.09e-03	-5.62e-06	-5.61	0.0	4.21	-0.52	0.02	0.0	0.0	0.0
		-1.65	0.0	2.90e-06	0.0	49.6	4.21	-6.12	0.02	0.0	8.09e-03	-1.65
277	80	0.0	0.02	4.23e-05	-7.92	0.0	6.83	-0.90	0.03	0.0	0.0	0.0
		-2.41	0.0	3.92e-06	0.0	49.6	6.83	-8.81	0.03	0.0	0.02	-2.41
277	81	0.07	0.01	2.72e-05	-10.23	0.0	5.08	1.66	0.02	0.0	0.0	0.0
		-1.71	0.0	3.63e-06	0.0	49.6	5.08	-8.56	0.02	0.0	0.01	-1.71

277	98	0.0	0.01	2.66e-05	-5.61	0.0	5.90	-1.42	0.02	0.0	0.0	0.0
		-2.10	0.0	3.76e-06	0.0	49.6	5.90	-7.03	0.02	0.0	0.01	-2.10
277	101	0.0	0.01	2.61e-05	-6.53	0.0	5.78	-0.91	0.02	0.0	0.0	0.0
		-2.07	0.0	3.75e-06	0.0	49.6	5.78	-7.44	0.02	0.0	0.01	-2.07
277	102	0.0	9.17e-03	1.12e-05	-5.61	0.0	4.47	-0.29	0.02	0.0	0.0	0.0
		-1.54	0.0	3.38e-06	0.0	49.6	4.47	-5.90	0.02	0.0	9.17e-03	-1.54
277	106	0.0	9.44e-03	1.35e-05	-5.61	0.0	4.54	-0.24	0.02	0.0	0.0	0.0
		-1.51	0.0	3.50e-06	0.0	49.6	4.54	-5.85	0.02	0.0	9.44e-03	-1.51
277	107	0.0	0.01	2.47e-05	-5.61	0.0	5.70	-1.25	0.02	0.0	0.0	0.0
		-2.01	0.0	3.72e-06	0.0	49.6	5.70	-6.86	0.02	0.0	0.01	-2.01
277	128	0.0	0.0	-5.13e-05	-5.61	0.0	8.47	-4.09	-4.02e-04	0.0	0.0	0.0
		-3.42	-1.99e-04	2.26e-05	0.0	49.6	8.47	-9.70	-4.02e-04	0.0	-1.99e-04	-3.42
277	131	0.11	0.02	1.01e-04	-5.61	0.0	2.93	1.58	0.05	0.0	0.0	0.0
		-0.61	0.0	-1.52e-05	0.0	49.6	2.93	-4.03	0.05	0.0	0.02	-0.61
277	136	0.0	2.80e-03	-5.90e-05	-5.61	0.0	8.51	-4.32	5.65e-03	0.0	0.0	0.0
		-3.53	0.0	1.36e-04	0.0	49.6	8.51	-9.93	5.65e-03	0.0	2.80e-03	-3.53
277	139	0.15	0.02	1.08e-04	-5.61	0.0	2.90	1.81	0.04	0.0	0.0	0.0
		-0.49	0.0	-1.28e-04	0.0	49.6	2.90	-3.79	0.04	0.0	0.02	-0.49
277	160	0.0	0.0	-6.07e-05	-5.61	0.0	8.82	-4.44	-3.48e-03	0.0	0.0	0.0
		-3.59	-1.73e-03	2.48e-05	0.0	49.6	8.82	-10.05	-3.48e-03	0.0	-1.73e-03	-3.59
277	163	0.16	0.03	1.10e-04	-5.61	0.0	2.59	1.93	0.05	0.0	0.0	0.0
		-0.43	0.0	-1.74e-05	0.0	49.6	2.59	-3.67	0.05	0.0	0.03	-0.43
277	168	0.0	1.63e-03	-6.94e-05	-5.61	0.0	8.86	-4.71	3.28e-03	0.0	0.0	0.0
		-3.72	0.0	1.54e-04	0.0	49.6	8.86	-10.31	3.28e-03	0.0	1.63e-03	-3.72
277	171	0.21	0.02	1.19e-04	-5.61	0.0	2.54	2.20	0.04	0.0	0.0	0.0
		-0.30	0.0	-1.46e-04	0.0	49.6	2.54	-3.41	0.04	0.0	0.02	-0.30
277	192	0.0	0.0	-5.90e-05	-5.61	0.0	8.77	-4.38	-3.23e-03	0.0	0.0	0.0
		-3.56	-1.60e-03	2.42e-05	0.0	49.6	8.77	-9.99	-3.23e-03	0.0	-1.60e-03	-3.56
277	195	0.15	0.03	1.08e-04	-5.61	0.0	2.63	1.87	0.05	0.0	0.0	0.0
		-0.46	0.0	-1.68e-05	0.0	49.6	2.63	-3.73	0.05	0.0	0.03	-0.46
277	200	0.0	1.54e-03	-6.81e-05	-5.61	0.0	8.84	-4.66	3.11e-03	0.0	0.0	0.0
		-3.70	0.0	1.63e-04	0.0	49.6	8.84	-10.27	3.11e-03	0.0	1.54e-03	-3.70
277	203	0.21	0.02	1.17e-04	-5.61	0.0	2.56	2.15	0.05	0.0	0.0	0.0
		-0.32	0.0	-1.56e-04	0.0	49.6	2.56	-3.45	0.05	0.0	0.02	-0.32
277	212	0.0	0.0	-2.42e-05	-5.61	0.0	7.90	-3.10	-8.08e-03	0.0	0.0	0.0
		-2.93	-4.01e-03	3.37e-04	0.0	49.6	7.90	-8.70	-8.08e-03	0.0	-4.01e-03	-2.93
277	215	0.01	0.03	7.35e-05	-5.61	0.0	3.51	0.59	0.06	0.0	0.0	0.0
		-1.10	0.0	-3.30e-04	0.0	49.6	3.51	-5.02	0.06	0.0	0.03	-1.10
277	232	0.0	0.0	-8.34e-05	-5.61	0.0	9.37	-5.23	-7.51e-04	0.0	0.0	0.0
		-3.98	-3.73e-04	1.99e-04	0.0	49.6	9.37	-10.84	-7.51e-04	0.0	-3.73e-04	-3.98
277	235	0.33	0.02	1.33e-04	-5.61	0.0	2.03	2.72	0.05	0.0	0.0	0.0
		-0.04	0.0	-1.92e-04	0.0	49.6	2.03	-2.89	0.05	0.0	0.02	-0.04
278	11	1.26	-0.02	-1.36e-04	-8.30	0.0	1.20	2.15	-0.01	0.0	-0.02	1.11
		-2.43e-03	-0.03	-4.09e-06	0.0	55.6	1.20	-6.14	-0.01	0.0	-0.03	-2.43e-03
278	19	0.36	-3.18e-03	-1.11e-04	-3.03	0.0	0.70	1.05	0.02	0.0	-0.01	0.26
		-1.95e-03	-0.01	-1.68e-06	0.0	55.6	0.70	-1.98	0.02	0.0	-3.18e-03	-1.95e-03
278	27	1.20	-0.02	-8.49e-05	-4.44	0.0	1.03	0.06	-0.02	0.0	-0.02	1.20
		-3.59e-03	-0.04	-4.50e-06	0.0	55.6	1.03	-4.38	-0.02	0.0	-0.04	-3.59e-03
278	28	1.32	-0.02	-8.41e-05	-6.37	0.0	1.10	0.86	-0.03	0.0	-0.02	1.29
		-3.21e-03	-0.04	-4.70e-06	0.0	55.6	1.10	-5.51	-0.03	0.0	-0.04	-3.21e-03
278	35	1.33	-0.02	-7.20e-05	-8.30	0.0	1.11	1.99	-0.03	0.0	-0.02	1.20
		-2.57e-03	-0.04	-4.25e-06	0.0	55.6	1.11	-6.31	-0.03	0.0	-0.04	-2.57e-03
278	45	0.46	-0.01	-7.43e-06	-3.03	0.0	0.54	0.78	-7.72e-03	0.0	-0.01	0.40
		-2.18e-03	-0.02	-1.94e-06	0.0	55.6	0.54	-2.25	-7.72e-03	0.0	-0.02	-2.18e-03
278	71	0.87	-0.02	-9.70e-05	-5.82	0.0	0.88	1.54	-6.47e-03	0.0	-0.02	0.76
		-1.89e-03	-0.02	-2.83e-06	0.0	55.6	0.88	-4.28	-6.47e-03	0.0	-0.02	-1.89e-03
278	72	0.42	-6.58e-03	-9.48e-05	-3.25	0.0	0.70	1.04	0.01	0.0	-0.01	0.32
		-2.00e-03	-0.01	-1.67e-06	0.0	55.6	0.70	-2.21	0.01	0.0	-6.58e-03	-2.00e-03
278	79	0.82	-0.02	-6.32e-05	-3.25	0.0	0.76	0.14	-0.01	0.0	-0.02	0.82
		-2.66e-03	-0.03	-3.10e-06	0.0	55.6	0.76	-3.10	-0.01	0.0	-0.03	-2.66e-03
278	80	0.91	-0.02	-6.27e-05	-4.53	0.0	0.81	0.68	-0.02	0.0	-0.02	0.88
		-2.40e-03	-0.03	-3.23e-06	0.0	55.6	0.81	-3.86	-0.02	0.0	-0.03	-2.40e-03
278	83	0.92	-0.02	-5.46e-05	-5.82	0.0	0.81	1.43	-0.02	0.0	-0.02	0.82
		-1.98e-03	-0.03	-2.93e-06	0.0	55.6	0.81	-4.39	-0.02	0.0	-0.03	-1.98e-03
278	85	0.49	-0.01	-2.42e-05	-3.25	0.0	0.59	0.86	-4.55e-03	0.0	-0.01	0.42
		-2.15e-03	-0.02	-1.84e-06	0.0	55.6	0.59	-2.39	-4.55e-03	0.0	-0.02	-2.15e-03
278	98	0.68	-0.02	-7.68e-05	-3.25	0.0	0.75	0.42	-5.07e-03	0.0	-0.02	0.67
		-2.45e-03	-0.02	-2.40e-06	0.0	55.6	0.75	-2.83	-5.07e-03	0.0	-0.02	-2.45e-03
278	101	0.69	-0.02	-7.41e-05	-3.76	0.0	0.76	0.71	-4.78e-03	0.0	-0.02	0.65
		-2.29e-03	-0.02	-2.31e-06	0.0	55.6	0.76	-3.05	-4.78e-03	0.0	-0.02	-2.29e-03
278	102	0.44	-0.01	-6.64e-05	-3.25	0.0	0.66	0.96	6.20e-03	0.0	-0.01	0.37
		-2.05e-03	-0.01	-1.45e-06	0.0	55.6	0.66	-2.28	6.20e-03	0.0	-0.01	-2.05e-03
278	104	0.46	-0.01	-5.23e-05	-3.25	0.0	0.64	0.93	2.93e-03	0.0	-0.01	0.39
		-2.08e-03	-0.01	-1.48e-06	0.0	55.6	0.64	-2.32	2.93e-03	0.0	-0.01	-2.08e-03
278	105	0.65	-0.02	-6.73e-05	-3.25	0.0	0.73	0.48	-5.53e-03	0.0	-0.02	0.63

		-2.41e-03	-0.02	-2.35e-06	0.0	55.6	0.73	-2.77	-5.53e-03	0.0	-0.02	-2.41e-03
278	106	0.45	-0.01	-5.93e-05	-3.25	0.0	0.65	0.94	4.80e-03	0.0	-0.01	0.38
		-2.07e-03	-0.01	-1.39e-06	0.0	55.6	0.65	-2.30	4.80e-03	0.0	-0.01	-2.07e-03
278	107	0.65	-0.02	-7.43e-05	-3.25	0.0	0.74	0.49	-3.66e-03	0.0	-0.02	0.62
		-2.39e-03	-0.02	-2.25e-06	0.0	55.6	0.74	-2.75	-3.66e-03	0.0	-0.02	-2.39e-03
278	112	0.38	0.03	-2.88e-04	-3.25	0.0	1.32	1.12	0.10	0.0	-0.03	0.28
		2.11e-03	-0.03	2.68e-04	0.0	55.6	1.32	-2.12	0.10	0.0	0.03	2.11e-03
278	115	0.97	-3.82e-03	1.39e-04	-3.25	0.0	0.15	-0.14	-0.10	0.0	-3.82e-03	0.97
		-6.90e-03	-0.06	-2.72e-04	0.0	55.6	0.15	-3.38	-0.10	0.0	-0.06	-6.90e-03
278	122	0.68	1.76e-03	-2.87e-04	-3.25	0.0	0.65	0.42	-0.06	0.0	1.76e-03	0.67
		-8.75e-03	-0.04	-2.62e-04	0.0	55.6	0.65	-2.83	-0.06	0.0	-0.04	-8.75e-03
278	124	0.25	-0.01	-4.77e-04	-3.25	0.0	1.91	1.55	-9.89e-03	0.0	-0.01	0.04
		2.02e-03	-0.02	-4.86e-06	0.0	55.6	1.91	-1.70	-9.89e-03	0.0	-0.02	2.02e-03
278	127	1.21	-0.01	3.28e-04	-3.25	0.0	-0.44	-0.56	2.57e-03	0.0	-0.02	1.21
		-6.80e-03	-0.02	0.0	0.0	55.6	-0.44	-3.80	2.57e-03	0.0	-0.01	-6.80e-03
278	144	0.36	0.03	-3.14e-04	-3.25	0.0	1.39	1.20	0.11	0.0	-0.03	0.23
		2.67e-03	-0.03	3.02e-04	0.0	55.6	1.39	-2.04	0.11	0.0	0.03	2.67e-03
278	147	1.02	-2.30e-03	1.66e-04	-3.25	0.0	0.08	-0.21	-0.12	0.0	-2.30e-03	1.02
		-7.46e-03	-0.07	-3.07e-04	0.0	55.6	0.08	-3.46	-0.12	0.0	-0.07	-7.46e-03
278	156	0.21	-0.01	-5.27e-04	-3.25	0.0	2.06	1.68	-0.01	0.0	-0.01	-0.03
		-0.03	-0.02	-5.87e-06	0.0	55.6	2.06	-1.57	-0.01	0.0	-0.02	2.56e-03
278	159	1.28	-0.01	3.79e-04	-3.25	0.0	-0.58	-0.69	3.42e-03	0.0	-0.02	1.28
		-7.35e-03	-0.02	1.36e-06	0.0	55.6	-0.58	-3.93	3.42e-03	0.0	-0.01	-7.35e-03
278	176	0.36	0.03	-3.01e-04	-3.25	0.0	1.37	1.18	0.11	0.0	-0.03	0.24
		2.31e-03	-0.03	3.05e-04	0.0	55.6	1.37	-2.06	0.11	0.0	0.03	2.31e-03
278	179	1.01	-2.31e-03	1.53e-04	-3.25	0.0	0.11	-0.19	-0.12	0.0	-2.31e-03	1.01
		-7.09e-03	-0.07	-3.10e-04	0.0	55.6	0.11	-3.44	-0.12	0.0	-0.07	-7.09e-03
278	188	0.22	-0.01	-5.19e-04	-3.25	0.0	2.03	1.65	-0.01	0.0	-0.01	-0.01
		-0.01	-0.02	-9.24e-06	0.0	55.6	2.03	-1.60	-0.01	0.0	-0.02	2.33e-03
278	191	1.26	-0.01	3.71e-04	-3.25	0.0	-0.56	-0.66	3.39e-03	0.0	-0.02	1.26
		-7.12e-03	-0.02	4.73e-06	0.0	55.6	-0.56	-3.91	3.39e-03	0.0	-0.01	-7.12e-03
278	208	0.33	0.04	-3.34e-04	-3.25	0.0	1.46	1.29	0.13	0.0	-0.03	0.18
		2.92e-03	-0.03	3.62e-04	0.0	55.6	1.46	-1.95	0.13	0.0	0.04	2.92e-03
278	211	1.07	9.58e-05	1.85e-04	-3.25	0.0	0.01	-0.30	-0.14	0.0	9.58e-05	1.07
		-7.71e-03	-0.07	-3.66e-04	0.0	55.6	0.01	-3.55	-0.14	0.0	-0.07	-7.71e-03
278	220	0.17	-0.01	-5.91e-04	-3.25	0.0	2.24	1.83	-0.01	0.0	-0.01	-0.12
		-0.12	-0.02	-1.36e-05	0.0	55.6	2.24	-1.41	-0.01	0.0	-0.02	3.04e-03
278	223	1.37	-0.01	4.43e-04	-3.25	0.0	-0.77	-0.84	4.96e-03	0.0	-0.02	1.37
		-7.83e-03	-0.02	9.06e-06	0.0	55.6	-0.77	-4.09	4.96e-03	0.0	-0.01	-7.83e-03
279	4	1.43	9.12e-05	-1.94e-04	-6.37	0.0	3.94	4.05	-0.04	0.0	9.12e-05	0.72
		0.72	-0.02	-1.86e-06	0.0	55.6	3.94	-2.32	-0.04	0.0	-0.02	1.20
279	19	0.31	9.58e-06	-1.27e-04	-3.03	0.0	2.19	2.24	-0.02	0.0	9.58e-06	-0.14
		-0.14	-0.01	0.0	0.0	55.6	2.19	-0.80	-0.02	0.0	-0.01	0.26
279	28	1.62	7.63e-05	-1.28e-04	-6.37	0.0	3.55	3.60	-0.04	0.0	7.63e-05	1.06
		1.06	-0.02	-1.89e-06	0.0	55.6	3.55	-2.77	-0.04	0.0	-0.02	1.29
279	35	1.65	6.94e-05	-1.14e-04	-8.30	0.0	3.41	4.60	-0.04	0.0	6.94e-05	0.95
		0.95	-0.02	-1.57e-06	0.0	55.6	3.41	-3.70	-0.04	0.0	-0.02	1.20
279	45	0.62	-1.53e-05	-1.73e-05	-3.03	0.0	1.54	1.48	-0.03	0.0	-1.53e-05	0.42
		0.40	-0.01	0.0	0.0	55.6	1.54	-1.55	-0.03	0.0	-0.01	0.40
279	68	0.99	5.78e-05	-1.37e-04	-4.53	0.0	2.85	2.88	-0.03	0.0	5.78e-05	0.48
		0.48	-0.02	-1.15e-06	0.0	55.6	2.85	-1.65	-0.03	0.0	-0.02	0.82
279	72	0.41	1.00e-05	-1.12e-04	-3.25	0.0	2.16	2.23	-0.02	0.0	1.00e-05	-0.01
		-0.01	-0.01	0.0	0.0	55.6	2.16	-1.02	-0.02	0.0	-0.01	0.32
279	80	1.12	4.79e-05	-9.30e-05	-4.53	0.0	2.59	2.58	-0.03	0.0	4.79e-05	0.71
		0.71	-0.02	-1.17e-06	0.0	55.6	2.59	-1.95	-0.03	0.0	-0.02	0.88
279	83	1.14	4.32e-05	-8.40e-05	-5.82	0.0	2.49	3.25	-0.03	0.0	4.32e-05	0.63
		0.63	-0.02	0.0	0.0	55.6	2.49	-2.57	-0.03	0.0	-0.02	0.82
279	85	0.62	-6.56e-06	-3.88e-05	-3.25	0.0	1.73	1.73	-0.03	0.0	-6.56e-06	0.36
		0.36	-0.01	0.0	0.0	55.6	1.73	-1.52	-0.03	0.0	-0.01	0.42
279	98	0.79	3.14e-05	-1.01e-04	-3.25	0.0	2.43	2.02	-0.03	0.0	3.14e-05	0.44
		0.44	-0.02	0.0	0.0	55.6	2.43	-1.22	-0.03	0.0	-0.02	0.67
279	101	0.81	3.04e-05	-9.85e-05	-3.76	0.0	2.41	2.29	-0.03	0.0	3.04e-05	0.42
		0.42	-0.02	0.0	0.0	55.6	2.41	-1.47	-0.03	0.0	-0.02	0.65
279	102	0.49	3.07e-06	-8.25e-05	-3.25	0.0	2.01	2.03	-0.02	0.0	3.07e-06	0.14
		0.14	-0.01	0.0	0.0	55.6	2.01	-1.22	-0.02	0.0	-0.01	0.37
279	104	0.53	0.0	-6.79e-05	-3.25	0.0	1.92	1.93	-0.03	0.0	0.0	0.21
		0.21	-0.01	0.0	0.0	55.6	1.92	-1.32	-0.03	0.0	-0.01	0.39
279	106	0.51	1.34e-06	-7.52e-05	-3.25	0.0	1.97	1.98	-0.02	0.0	1.34e-06	0.18
		0.18	-0.01	0.0	0.0	55.6	1.97	-1.27	-0.02	0.0	-0.01	0.38
279	107	0.75	2.71e-05	-9.76e-05	-3.25	0.0	2.37	2.02	-0.03	0.0	2.71e-05	0.41
		0.41	-0.02	0.0	0.0	55.6	2.37	-1.23	-0.03	0.0	-0.02	0.62
279	121	0.65	-5.91e-04	1.30e-04	-3.25	0.0	2.67	2.45	-0.06	0.0	-5.91e-04	0.19
		0.19	-0.03	2.60e-04	0.0	55.6	2.67	-0.79	-0.06	0.0	-0.03	0.58
279	122	0.87	1.76e-03	-3.25e-04	-3.25	0.0	2.07	1.58	2.02e-03	0.0	6.46e-04	0.63
		0.63	6.46e-04	-2.60e-04	0.0	55.6	2.07	-1.66	2.02e-03	0.0	1.76e-03	0.67

279	124	0.04	1.34e-04	-5.26e-04	-3.25	0.0	6.46	5.86	-0.03	0.0	1.34e-04	-2.27
		-2.27	-0.01	-1.66e-06	0.0	55.6	6.46	2.61	-0.03	0.0	-0.01	0.04
279	127	3.09	-7.99e-05	3.31e-04	-3.25	0.0	-1.73	-1.82	-0.03	0.0	-7.99e-05	3.09
		1.21	-0.02	0.0	0.0	55.6	-1.73	-5.07	-0.03	0.0	-0.02	1.21
279	153	0.64	-6.72e-04	1.58e-04	-3.25	0.0	2.69	2.50	-0.06	0.0	-6.72e-04	0.17
		0.17	-0.04	2.94e-04	0.0	55.6	2.69	-0.75	-0.06	0.0	-0.04	0.58
279	154	0.88	4.07e-03	-3.53e-04	-3.25	0.0	2.04	1.54	6.04e-03	0.0	7.27e-04	0.65
		0.65	7.27e-04	-2.95e-04	0.0	55.6	2.04	-1.71	6.04e-03	0.0	4.07e-03	0.67
279	156	-0.03	1.49e-04	-5.79e-04	-3.25	0.0	6.97	6.34	-0.03	0.0	1.49e-04	-2.61
		-2.61	-0.01	-2.51e-06	0.0	55.6	6.97	3.09	-0.03	0.0	-0.01	-0.03
279	159	3.42	-9.44e-05	3.84e-04	-3.25	0.0	-2.24	-2.30	-0.03	0.0	-9.44e-05	3.42
		1.28	-0.02	1.66e-06	0.0	55.6	-2.24	-5.55	-0.03	0.0	-0.02	1.28
279	185	0.67	-6.92e-04	1.46e-04	-3.25	0.0	2.57	2.40	-0.06	0.0	-6.92e-04	0.24
		0.24	-0.04	3.06e-04	0.0	55.6	2.57	-0.84	-0.06	0.0	-0.04	0.59
279	186	0.84	4.70e-03	-3.41e-04	-3.25	0.0	2.16	1.63	7.13e-03	0.0	7.47e-04	0.57
		0.57	7.47e-04	-3.07e-04	0.0	55.6	2.16	-1.61	7.13e-03	0.0	4.70e-03	0.66
279	188	-0.01	1.54e-04	-5.71e-04	-3.25	0.0	6.89	6.26	-0.03	0.0	1.54e-04	-2.55
		-2.55	-0.01	-6.01e-06	0.0	55.6	6.89	3.01	-0.03	0.0	-0.01	-0.01
279	191	3.36	-1.00e-04	3.76e-04	-3.25	0.0	-2.16	-2.22	-0.03	0.0	-1.00e-04	3.36
		1.26	-0.02	5.15e-06	0.0	55.6	-2.16	-5.47	-0.03	0.0	-0.02	1.26
279	217	0.67	-8.39e-04	1.85e-04	-3.25	0.0	2.56	2.45	-0.07	0.0	-8.39e-04	0.23
		0.23	-0.04	3.71e-04	0.0	55.6	2.56	-0.80	-0.07	0.0	-0.04	0.58
279	218	0.85	8.95e-03	-3.81e-04	-3.25	0.0	2.17	1.59	0.01	0.0	8.95e-04	0.58
		0.58	8.93e-04	-3.72e-04	0.0	55.6	2.17	-1.66	0.01	0.0	8.95e-03	0.67
279	220	-0.12	1.81e-04	-6.48e-04	-3.25	0.0	7.62	6.94	-0.03	0.0	1.81e-04	-3.02
		-3.02	-0.01	-1.02e-05	0.0	55.6	7.62	3.69	-0.03	0.0	-0.01	-0.12
279	223	3.83	-1.26e-04	4.53e-04	-3.25	0.0	-2.89	-2.90	-0.03	0.0	-1.26e-04	3.83
		1.37	-0.02	9.30e-06	0.0	55.6	-2.89	-6.15	-0.03	0.0	-0.02	1.37
280	4	0.73	9.12e-05	-2.21e-04	-6.37	0.0	5.17	5.77	0.09	0.0	-0.05	-0.72
		-0.72	-0.05	-1.99e-06	0.0	55.6	5.17	-0.60	0.09	0.0	9.12e-05	0.72
280	16	0.11	3.19e-05	-1.72e-04	-6.37	0.0	3.85	5.03	0.07	0.0	-0.04	-0.99
		-0.99	-0.04	0.0	0.0	55.6	3.85	-1.33	0.07	0.0	3.19e-05	0.03
280	28	1.11	7.63e-05	-1.59e-04	-6.37	0.0	4.69	5.32	0.10	0.0	-0.05	-0.13
		-0.13	-0.05	-2.03e-06	0.0	55.6	4.69	-1.05	0.10	0.0	7.63e-05	1.06
280	45	0.51	-1.53e-05	-2.86e-05	-3.03	0.0	1.91	2.06	0.06	0.0	-0.03	0.12
		0.12	-0.03	0.0	0.0	55.6	1.91	-0.97	0.06	0.0	-1.53e-05	0.42
280	68	0.49	5.78e-05	-1.56e-04	-4.53	0.0	3.71	4.08	0.07	0.0	-0.04	-0.53
		-0.53	-0.04	-1.25e-06	0.0	55.6	3.71	-0.45	0.07	0.0	5.78e-05	0.48
280	73	0.08	1.83e-05	-1.23e-04	-4.53	0.0	2.83	3.59	0.05	0.0	-0.03	-0.71
		-0.71	-0.03	0.0	0.0	55.6	2.83	-0.94	0.05	0.0	1.83e-05	0.02
280	80	0.74	4.79e-05	-1.14e-04	-4.53	0.0	3.39	3.78	0.07	0.0	-0.04	-0.13
		-0.13	-0.04	-1.27e-06	0.0	55.6	3.39	-0.75	0.07	0.0	4.79e-05	0.71
280	85	0.43	-6.56e-06	-5.01e-05	-3.25	0.0	2.16	2.35	0.06	0.0	-0.03	-0.04
		-0.04	-0.03	0.0	0.0	55.6	2.16	-0.89	0.06	0.0	-6.56e-06	0.36
280	98	0.45	3.14e-05	-1.17e-04	-3.25	0.0	3.14	3.01	0.06	0.0	-0.04	-0.33
		-0.33	-0.04	0.0	0.0	55.6	3.14	-0.23	0.06	0.0	3.14e-05	0.44
280	102	0.17	3.07e-06	-9.18e-05	-3.25	0.0	2.51	2.65	0.05	0.0	-0.03	-0.43
		-0.43	-0.03	0.0	0.0	55.6	2.51	-0.59	0.05	0.0	3.07e-06	0.14
280	104	0.26	0.0	-7.79e-05	-3.25	0.0	2.40	2.55	0.05	0.0	-0.03	-0.30
		-0.30	-0.03	0.0	0.0	55.6	2.40	-0.69	0.05	0.0	0.0	0.21
280	105	0.45	2.56e-05	-1.06e-04	-3.25	0.0	2.99	2.91	0.06	0.0	-0.04	-0.27
		-0.27	-0.04	0.0	0.0	55.6	2.99	-0.34	0.06	0.0	2.56e-05	0.44
280	106	0.21	1.34e-06	-8.48e-05	-3.25	0.0	2.46	2.60	0.05	0.0	-0.03	-0.37
		-0.37	-0.03	0.0	0.0	55.6	2.46	-0.64	0.05	0.0	1.34e-06	0.18
280	107	0.41	2.71e-05	-1.13e-04	-3.25	0.0	3.05	2.96	0.06	0.0	-0.03	-0.33
		-0.33	-0.03	0.0	0.0	55.6	3.05	-0.29	0.06	0.0	2.71e-05	0.41
280	114	0.82	7.87e-04	-5.33e-05	-3.25	0.0	2.55	2.36	6.02e-03	0.0	-2.57e-03	0.31
		0.31	-2.57e-03	-2.21e-04	0.0	55.6	2.55	-0.89	6.02e-03	0.0	7.87e-04	0.76
280	121	0.19	-5.91e-04	1.07e-04	-3.25	0.0	3.43	3.52	0.12	0.0	-0.07	-0.84
		-0.84	-0.07	2.58e-04	0.0	55.6	3.43	0.27	0.12	0.0	-5.91e-04	0.19
280	124	-2.27	1.34e-04	-5.18e-04	-3.25	0.0	8.03	6.92	0.06	0.0	-0.03	-5.20
		-5.20	-0.03	0.0	0.0	55.6	8.03	3.67	0.06	0.0	1.34e-04	-2.27
280	127	4.53	-7.99e-05	2.93e-04	-3.25	0.0	-1.94	-1.01	0.06	0.0	-0.04	4.53
		3.09	-0.04	0.0	0.0	55.6	-1.94	-4.25	0.06	0.0	-7.99e-05	3.09
280	153	0.17	-6.72e-04	1.34e-04	-3.25	0.0	3.47	3.58	0.13	0.0	-0.07	-0.90
		-0.90	-0.07	2.93e-04	0.0	55.6	3.47	0.34	0.13	0.0	-6.72e-04	0.17
280	154	0.71	2.73e-03	-3.59e-04	-3.25	0.0	2.63	2.33	-3.62e-03	0.0	2.73e-03	0.23
		0.23	7.27e-04	-2.94e-04	0.0	55.6	2.63	-0.92	-3.62e-03	0.0	7.27e-04	0.65
280	156	-2.61	1.49e-04	-5.69e-04	-3.25	0.0	8.65	7.41	0.06	0.0	-0.03	-5.81
		-5.81	-0.03	0.0	0.0	55.6	8.65	4.16	0.06	0.0	1.49e-04	-2.61
280	159	5.14	-9.44e-05	3.43e-04	-3.25	0.0	-2.56	-1.50	0.06	0.0	-0.04	5.14
		3.42	-0.04	0.0	0.0	55.6	-2.56	-4.75	0.06	0.0	-9.44e-05	3.42
280	185	0.24	-6.92e-04	1.23e-04	-3.25	0.0	3.31	3.51	0.13	0.0	-0.07	-0.78
		-0.78	-0.07	3.05e-04	0.0	55.6	3.31	0.27	0.13	0.0	-6.92e-04	0.24
280	186	0.62	3.88e-03	-3.49e-04	-3.25	0.0	2.78	2.40	-5.64e-03	0.0	3.88e-03	0.11

		0.11	7.47e-04	-3.06e-04	0.0	55.6	2.78	-0.85	-5.64e-03	0.0	7.47e-04	0.57
280	188	-2.55	1.54e-04	-5.61e-04	-3.25	0.0	8.55	7.34	0.06	0.0	-0.03	-5.70
		-5.70	-0.03	-4.45e-06	0.0	55.6	8.55	4.09	0.06	0.0	1.54e-04	-2.55
280	191	5.03	-1.00e-04	3.36e-04	-3.25	0.0	-2.46	-1.43	0.06	0.0	-0.04	5.03
		3.36	-0.04	3.43e-06	0.0	55.6	-2.46	-4.67	0.06	0.0	-1.00e-04	3.36
280	217	0.23	-8.39e-04	1.62e-04	-3.25	0.0	3.31	3.61	0.15	0.0	-0.08	-0.83
		-0.83	-0.08	3.70e-04	0.0	55.6	3.31	0.36	0.15	0.0	-8.39e-04	0.23
280	218	0.64	0.01	-3.87e-04	-3.25	0.0	2.79	2.30	-0.02	0.0	0.01	0.16
		0.16	8.93e-04	-3.71e-04	0.0	55.6	2.79	-0.94	-0.02	0.0	8.93e-04	0.58
280	220	-3.02	1.81e-04	-6.34e-04	-3.25	0.0	9.44	8.05	0.06	0.0	-0.03	-6.57
		-6.57	-0.03	-8.37e-06	0.0	55.6	9.44	4.80	0.06	0.0	1.81e-04	-3.02
280	223	5.90	-1.26e-04	4.09e-04	-3.25	0.0	-3.34	-2.13	0.07	0.0	-0.04	5.90
		3.83	-0.04	7.34e-06	0.0	55.6	-3.34	-5.38	0.07	0.0	-1.26e-04	3.83
281	4	-0.67	0.02	-2.30e-04	-6.83	0.0	9.09	5.77	-0.12	0.0	0.02	-2.12
		-2.12	-0.05	4.43e-06	0.0	59.6	9.09	-1.06	-0.12	0.0	-0.05	-0.72
281	18	-0.87	0.02	-2.27e-04	-6.83	0.0	8.47	5.57	-0.11	0.0	0.02	-2.22
		-2.22	-0.05	4.14e-06	0.0	59.6	8.47	-1.25	-0.11	0.0	-0.05	-0.94
281	28	-0.05	0.02	-1.72e-04	-6.83	0.0	8.37	5.53	-0.12	0.0	0.02	-1.39
		-1.39	-0.05	4.77e-06	0.0	59.6	8.37	-1.30	-0.12	0.0	-0.05	-0.13
281	45	0.21	0.01	-3.41e-05	-3.25	0.0	3.36	2.24	-0.07	0.0	0.01	-0.25
		-0.25	-0.03	3.66e-06	0.0	59.6	3.36	-1.01	-0.07	0.0	-0.03	0.12
281	46	0.30	0.01	-4.06e-05	-5.32	0.0	3.72	3.40	-0.07	0.0	0.01	-0.35
		-0.35	-0.03	3.65e-06	0.0	59.6	3.72	-1.92	-0.07	0.0	-0.03	0.10
281	68	-0.49	0.01	-1.62e-04	-4.86	0.0	6.50	4.08	-0.09	0.0	0.01	-1.51
		-1.51	-0.04	3.48e-06	0.0	59.6	6.50	-0.79	-0.09	0.0	-0.04	-0.53
281	75	-0.62	0.01	-1.60e-04	-4.86	0.0	6.09	3.95	-0.08	0.0	0.01	-1.58
		-1.58	-0.03	3.29e-06	0.0	59.6	6.09	-0.92	-0.08	0.0	-0.03	-0.67
281	80	-0.08	0.01	-1.23e-04	-4.86	0.0	6.02	3.92	-0.09	0.0	0.01	-1.02
		-1.02	-0.04	3.71e-06	0.0	59.6	6.02	-0.94	-0.09	0.0	-0.04	-0.13
281	85	0.04	0.01	-5.50e-05	-3.48	0.0	3.76	2.48	-0.07	0.0	0.01	-0.48
		-0.48	-0.03	3.74e-06	0.0	59.6	3.76	-1.00	-0.07	0.0	-0.03	-0.04
281	86	0.10	0.01	-5.94e-05	-4.86	0.0	4.01	3.26	-0.07	0.0	0.01	-0.55
		-0.55	-0.03	3.74e-06	0.0	59.6	4.01	-1.61	-0.07	0.0	-0.03	-0.06
281	98	-0.31	0.01	-1.23e-04	-3.48	0.0	5.49	3.04	-0.08	0.0	0.01	-1.10
		-1.10	-0.04	3.85e-06	0.0	59.6	5.49	-0.44	-0.08	0.0	-0.04	-0.33
281	103	-0.38	0.01	-1.24e-04	-3.48	0.0	5.38	3.01	-0.08	0.0	0.01	-1.15
		-1.15	-0.03	3.75e-06	0.0	59.6	5.38	-0.48	-0.08	0.0	-0.03	-0.40
281	104	-0.23	0.01	-8.10e-05	-3.48	0.0	4.12	2.59	-0.07	0.0	0.01	-0.81
		-0.81	-0.03	3.89e-06	0.0	59.6	4.12	-0.90	-0.07	0.0	-0.03	-0.30
281	106	-0.30	9.96e-03	-8.75e-05	-3.48	0.0	4.21	2.61	-0.07	0.0	9.96e-03	-0.89
		-0.89	-0.03	3.93e-06	0.0	59.6	4.21	-0.87	-0.07	0.0	-0.03	-0.37
281	107	-0.31	0.01	-1.18e-04	-3.48	0.0	5.31	2.98	-0.08	0.0	0.01	-1.07
		-1.07	-0.03	3.86e-06	0.0	59.6	5.31	-0.50	-0.08	0.0	-0.03	-0.33
281	121	-0.84	0.02	8.46e-05	-3.48	0.0	5.90	1.70	-0.15	0.0	0.02	-1.82
		-1.82	-0.07	2.83e-04	0.0	59.6	5.90	-1.78	-0.15	0.0	-0.07	-0.84
281	124	-5.20	0.01	-4.80e-04	-3.48	0.0	13.03	4.46	-0.08	0.0	0.01	-7.09
		-7.09	-0.03	6.11e-06	0.0	59.6	13.03	0.98	-0.08	0.0	-0.03	-5.20
281	127	5.04	0.01	2.44e-04	-3.48	0.0	-2.41	1.49	-0.08	0.0	0.01	4.95
		4.53	-0.04	1.62e-06	0.0	59.6	-2.41	-1.99	-0.08	0.0	-0.04	4.53
281	153	-0.90	0.02	1.10e-04	-3.48	0.0	5.95	1.54	-0.16	0.0	0.02	-1.90
		-1.90	-0.07	3.21e-04	0.0	59.6	5.95	-1.94	-0.16	0.0	-0.07	-0.90
281	156	-5.81	0.01	-5.25e-04	-3.48	0.0	14.00	4.65	-0.08	0.0	0.01	-7.84
		-7.84	-0.03	5.60e-06	0.0	59.6	14.00	1.17	-0.08	0.0	-0.03	-5.81
281	159	5.75	0.01	2.90e-04	-3.48	0.0	-3.38	1.31	-0.08	0.0	0.01	5.70
		5.14	-0.04	2.13e-06	0.0	59.6	-3.38	-2.18	-0.08	0.0	-0.04	5.14
281	185	-0.78	0.02	1.01e-04	-3.48	0.0	5.72	1.57	-0.16	0.0	0.02	-1.79
		-1.79	-0.07	3.35e-04	0.0	59.6	5.72	-1.92	-0.16	0.0	-0.07	-0.78
281	188	-5.70	0.01	-5.19e-04	-3.48	0.0	13.84	4.65	-0.08	0.0	0.01	-7.72
		-7.72	-0.03	1.54e-06	0.0	59.6	13.84	1.16	-0.08	0.0	-0.03	-5.70
281	191	5.64	0.01	2.83e-04	-3.48	0.0	-3.22	1.31	-0.08	0.0	0.01	5.58
		5.03	-0.04	6.19e-06	0.0	59.6	-3.22	-2.17	-0.08	0.0	-0.04	5.03
281	217	-0.83	0.03	1.38e-04	-3.48	0.0	5.72	1.31	-0.18	0.0	0.03	-1.90
		-1.90	-0.08	4.05e-04	0.0	59.6	5.72	-2.17	-0.18	0.0	-0.08	-0.83
281	220	-6.57	0.01	-5.85e-04	-3.48	0.0	15.21	4.93	-0.08	0.0	0.01	-8.80
		-8.80	-0.03	-2.43e-06	0.0	59.6	15.21	1.44	-0.08	0.0	-0.03	-6.57
281	223	6.67	0.01	3.49e-04	-3.48	0.0	-4.59	1.03	-0.08	0.0	0.01	6.65
		5.90	-0.04	1.02e-05	0.0	59.6	-4.59	-2.45	-0.08	0.0	-0.04	5.90
282	4	-1.79	0.02	-1.92e-04	-6.83	0.0	5.08	4.07	0.05	0.0	-0.01	-2.51
		-2.51	-0.01	2.28e-06	0.0	59.6	5.08	-2.76	0.05	0.0	0.02	-2.12
282	18	-1.86	0.02	-1.88e-04	-6.83	0.0	4.74	3.93	0.04	0.0	-0.01	-2.53
		-2.53	-0.01	2.18e-06	0.0	59.6	4.74	-2.90	0.04	0.0	0.02	-2.22
282	28	-1.09	0.02	-1.45e-04	-6.83	0.0	4.57	4.18	0.05	0.0	-0.01	-1.85
		-1.85	-0.01	2.49e-06	0.0	59.6	4.57	-2.65	0.05	0.0	0.02	-1.39
282	45	-0.08	0.01	-2.95e-05	-3.25	0.0	1.68	1.91	0.03	0.0	-7.14e-03	-0.42
		-0.42	-7.14e-03	2.34e-06	0.0	59.6	1.68	-1.34	0.03	0.0	0.01	-0.25

282	46	-0.04	0.01	-3.52e-05	-5.32	0.0	1.89	3.00	0.03	0.0	-7.47e-03	-0.55
		-0.55	-7.47e-03	2.28e-06	0.0	59.6	1.89	-2.33	0.03	0.0	0.01	-0.35
282	68	-1.27	0.01	-1.35e-04	-4.86	0.0	3.62	2.88	0.04	0.0	-8.59e-03	-1.78
		-1.78	-8.59e-03	1.90e-06	0.0	59.6	3.62	-1.98	0.04	0.0	0.01	-1.51
282	75	-1.31	0.01	-1.33e-04	-4.86	0.0	3.39	2.79	0.03	0.0	-7.78e-03	-1.79
		-1.79	-7.78e-03	1.84e-06	0.0	59.6	3.39	-2.08	0.03	0.0	0.01	-1.58
282	80	-0.80	0.01	-1.04e-04	-4.86	0.0	3.28	2.96	0.04	0.0	-9.18e-03	-1.34
		-1.34	-9.18e-03	2.05e-06	0.0	59.6	3.28	-1.91	0.04	0.0	0.01	-1.02
282	85	-0.30	0.01	-4.65e-05	-3.48	0.0	1.95	2.02	0.03	0.0	-7.07e-03	-0.65
		-0.65	-7.07e-03	2.43e-06	0.0	59.6	1.95	-1.46	0.03	0.0	0.01	-0.48
282	86	-0.28	0.01	-5.03e-05	-4.86	0.0	2.09	2.74	0.03	0.0	-7.29e-03	-0.74
		-0.74	-7.29e-03	2.39e-06	0.0	59.6	2.09	-2.12	0.03	0.0	0.01	-0.55
282	98	-0.95	0.01	-1.03e-04	-3.48	0.0	3.03	2.13	0.03	0.0	-8.03e-03	-1.33
		-1.33	-8.03e-03	2.38e-06	0.0	59.6	3.03	-1.36	0.03	0.0	0.01	-1.10
282	103	-0.99	0.01	-1.04e-04	-3.48	0.0	2.97	2.09	0.03	0.0	-7.72e-03	-1.36
		-1.36	-7.72e-03	2.32e-06	0.0	59.6	2.97	-1.39	0.03	0.0	0.01	-1.15
282	104	-0.61	0.01	-6.73e-05	-3.48	0.0	2.22	1.97	0.03	0.0	-6.66e-03	-0.94
		-0.94	-6.66e-03	2.64e-06	0.0	59.6	2.22	-1.51	0.03	0.0	0.01	-0.81
282	106	-0.69	9.96e-03	-7.25e-05	-3.48	0.0	2.29	1.96	0.03	0.0	-6.56e-03	-1.02
		-1.02	-6.56e-03	2.69e-06	0.0	59.6	2.29	-1.52	0.03	0.0	9.96e-03	-0.89
282	107	-0.91	0.01	-9.84e-05	-3.48	0.0	2.93	2.10	0.03	0.0	-7.82e-03	-1.29
		-1.29	-7.82e-03	2.42e-06	0.0	59.6	2.93	-1.38	0.03	0.0	0.01	-1.07
282	113	-1.71	0.02	-1.43e-04	-3.48	0.0	3.23	1.83	0.06	0.0	-0.02	-2.06
		-2.06	-0.02	2.37e-04	0.0	59.6	3.23	-1.65	0.06	0.0	0.02	-1.90
282	121	-1.66	0.02	5.40e-05	-3.48	0.0	3.25	1.96	0.06	0.0	-0.02	-2.04
		-2.04	-0.02	2.79e-04	0.0	59.6	3.25	-1.52	0.06	0.0	0.02	-1.82
282	124	-6.56	0.01	-3.62e-04	-3.48	0.0	6.92	0.92	0.03	0.0	-7.53e-03	-6.64
		-7.09	-7.53e-03	6.68e-06	0.0	59.6	6.92	-2.57	0.03	0.0	0.01	-7.09
282	127	4.95	0.01	1.66e-04	-3.48	0.0	-1.07	3.29	0.03	0.0	-8.10e-03	4.06
		4.06	-8.10e-03	-1.84e-06	0.0	59.6	-1.07	-0.20	0.03	0.0	0.01	4.95
282	128	-6.55	0.01	-3.03e-04	-3.48	0.0	6.92	0.95	0.03	0.0	-7.52e-03	-6.63
		-7.07	-7.52e-03	1.93e-05	0.0	59.6	6.92	-2.53	0.03	0.0	0.01	-7.07
282	131	4.93	0.01	1.07e-04	-3.48	0.0	-1.07	3.25	0.03	0.0	-8.11e-03	4.06
		4.06	-8.11e-03	-1.45e-05	0.0	59.6	-1.07	-0.23	0.03	0.0	0.01	4.92
282	153	-1.75	0.02	7.28e-05	-3.48	0.0	3.27	1.94	0.07	0.0	-0.02	-2.13
		-2.13	-0.02	3.16e-04	0.0	59.6	3.27	-1.54	0.07	0.0	0.02	-1.90
282	156	-7.25	0.01	-3.95e-04	-3.48	0.0	7.42	0.77	0.03	0.0	-7.48e-03	-7.31
		-7.84	-7.48e-03	6.41e-06	0.0	59.6	7.42	-2.71	0.03	0.0	0.01	-7.84
282	159	5.70	0.01	1.99e-04	-3.48	0.0	-1.57	3.44	0.03	0.0	-8.15e-03	4.73
		4.73	-8.15e-03	-1.57e-06	0.0	59.6	-1.57	-0.05	0.03	0.0	0.01	5.70
282	160	-7.23	0.01	-3.29e-04	-3.48	0.0	7.42	0.81	0.03	0.0	-7.48e-03	-7.30
		-7.81	-7.48e-03	2.12e-05	0.0	59.6	7.42	-2.67	0.03	0.0	0.01	-7.81
282	163	5.67	0.01	1.32e-04	-3.48	0.0	-1.57	3.39	0.03	0.0	-8.15e-03	4.73
		4.73	-8.15e-03	-1.64e-05	0.0	59.6	-1.57	-0.09	0.03	0.0	0.01	5.67
282	185	-1.64	0.02	6.75e-05	-3.48	0.0	3.16	1.98	0.07	0.0	-0.02	-2.05
		-2.05	-0.02	3.31e-04	0.0	59.6	3.16	-1.51	0.07	0.0	0.02	-1.79
282	188	-7.14	0.01	-3.91e-04	-3.48	0.0	7.34	0.80	0.03	0.0	-7.42e-03	-7.21
		-7.72	-7.42e-03	2.22e-06	0.0	59.6	7.34	-2.69	0.03	0.0	0.01	-7.72
282	191	5.58	0.01	1.94e-04	-3.48	0.0	-1.49	3.41	0.03	0.0	-8.21e-03	4.63
		4.63	-8.21e-03	2.62e-06	0.0	59.6	-1.49	-0.07	0.03	0.0	0.01	5.58
282	217	-1.76	0.03	9.58e-05	-3.48	0.0	3.17	1.96	0.08	0.0	-0.02	-2.18
		-2.18	-0.02	4.01e-04	0.0	59.6	3.17	-1.52	0.08	0.0	0.03	-1.90
282	220	-8.13	0.01	-4.39e-04	-3.48	0.0	8.05	0.59	0.03	0.0	-7.31e-03	-8.17
		-8.80	-7.31e-03	-1.43e-06	0.0	59.6	8.05	-2.90	0.03	0.0	0.01	-8.80
282	223	6.65	0.01	2.42e-04	-3.48	0.0	-2.20	3.62	0.03	0.0	-8.32e-03	5.59
		5.59	-8.32e-03	6.27e-06	0.0	59.6	-2.20	0.13	0.03	0.0	0.01	6.65
283	4	-1.53	-8.86e-03	-1.47e-04	-6.83	0.0	8.42	2.09	-4.86e-03	0.0	-8.86e-03	-1.73
		-2.51	-0.01	3.78e-06	0.0	59.6	8.42	-4.73	-4.86e-03	0.0	-0.01	-2.51
283	18	-1.53	-7.42e-03	-1.44e-04	-6.83	0.0	7.68	2.04	-5.24e-03	0.0	-7.42e-03	-1.71
		-2.53	-0.01	3.53e-06	0.0	59.6	7.68	-4.79	-5.24e-03	0.0	-0.01	-2.53
283	19	-0.94	-2.62e-03	-8.20e-05	-3.25	0.0	3.89	0.73	-5.11e-03	0.0	-2.62e-03	-0.99
		-1.52	-5.67e-03	2.70e-06	0.0	59.6	3.89	-2.52	-5.11e-03	0.0	-5.67e-03	-1.52
283	28	-1.05	-9.15e-03	-1.11e-04	-6.83	0.0	8.13	2.54	-5.86e-03	0.0	-9.15e-03	-1.33
		-1.85	-0.01	4.11e-06	0.0	59.6	8.13	-4.28	-5.86e-03	0.0	-0.01	-1.85
283	45	-0.13	-3.11e-03	-2.19e-05	-3.25	0.0	3.41	1.48	-6.77e-03	0.0	-3.11e-03	-0.33
		-0.42	-7.14e-03	3.25e-06	0.0	59.6	3.41	-1.77	-6.77e-03	0.0	-7.14e-03	-0.42
283	46	-0.09	-3.48e-03	-2.63e-05	-5.32	0.0	3.77	2.46	-6.69e-03	0.0	-3.48e-03	-0.43
		-0.55	-7.47e-03	3.24e-06	0.0	59.6	3.77	-2.86	-6.69e-03	0.0	-7.47e-03	-0.55
283	68	-1.08	-6.19e-03	-1.03e-04	-4.86	0.0	6.01	1.49	-4.02e-03	0.0	-6.19e-03	-1.22
		-1.78	-8.59e-03	3.00e-06	0.0	59.6	6.01	-3.37	-4.02e-03	0.0	-8.59e-03	-1.78
283	72	-0.84	-3.02e-03	-7.51e-05	-3.48	0.0	4.00	0.95	-5.15e-03	0.0	-3.02e-03	-0.91
		-1.39	-6.09e-03	2.97e-06	0.0	59.6	4.00	-2.54	-5.15e-03	0.0	-6.09e-03	-1.39
283	75	-1.08	-5.23e-03	-1.01e-04	-4.86	0.0	5.51	1.46	-4.27e-03	0.0	-5.23e-03	-1.21
		-1.79	-7.78e-03	2.83e-06	0.0	59.6	5.51	-3.41	-4.27e-03	0.0	-7.78e-03	-1.79
283	80	-0.76	-6.39e-03	-7.91e-05	-4.86	0.0	5.82	1.79	-4.69e-03	0.0	-6.39e-03	-0.96

		-1.34	-9.18e-03	3.22e-06	0.0	59.6	5.82	-3.07	-4.69e-03	0.0	-9.18e-03	-1.34
283	85	-0.30	-3.35e-03	-3.50e-05	-3.48	0.0	3.68	1.45	-6.25e-03	0.0	-3.35e-03	-0.47
		-0.65	-7.07e-03	3.33e-06	0.0	59.6	3.68	-2.04	-6.25e-03	0.0	-7.07e-03	-0.65
283	86	-0.27	-3.59e-03	-3.78e-05	-4.86	0.0	3.92	2.10	-6.20e-03	0.0	-3.59e-03	-0.54
		-0.74	-7.29e-03	3.32e-06	0.0	59.6	3.92	-2.76	-6.20e-03	0.0	-7.29e-03	-0.74
283	98	-0.83	-5.29e-03	-7.83e-05	-3.48	0.0	5.14	1.05	-4.58e-03	0.0	-5.29e-03	-0.92
		-1.33	-8.03e-03	3.40e-06	0.0	59.6	5.14	-2.43	-4.58e-03	0.0	-8.03e-03	-1.33
283	102	-0.62	-3.27e-03	-5.90e-05	-3.48	0.0	3.89	1.15	-5.35e-03	0.0	-3.27e-03	-0.74
		-1.09	-6.47e-03	3.42e-06	0.0	59.6	3.89	-2.34	-5.35e-03	0.0	-6.47e-03	-1.09
283	103	-0.84	-4.95e-03	-7.90e-05	-3.48	0.0	4.98	1.02	-4.65e-03	0.0	-4.95e-03	-0.93
		-1.36	-7.72e-03	3.31e-06	0.0	59.6	4.98	-2.46	-4.65e-03	0.0	-7.72e-03	-1.36
283	104	-0.52	-3.34e-03	-5.10e-05	-3.48	0.0	3.83	1.25	-5.58e-03	0.0	-3.34e-03	-0.65
		-0.94	-6.66e-03	3.49e-06	0.0	59.6	3.83	-2.24	-5.58e-03	0.0	-6.66e-03	-0.94
283	106	-0.57	-3.34e-03	-5.50e-05	-3.48	0.0	3.86	1.20	-5.41e-03	0.0	-3.34e-03	-0.69
		-1.02	-6.56e-03	3.53e-06	0.0	59.6	3.86	-2.29	-5.41e-03	0.0	-6.56e-03	-1.02
283	107	-0.79	-5.01e-03	-7.50e-05	-3.48	0.0	4.96	1.07	-4.70e-03	0.0	-5.01e-03	-0.89
		-1.29	-7.82e-03	3.42e-06	0.0	59.6	4.96	-2.41	-4.70e-03	0.0	-7.82e-03	-1.29
283	121	0.77	-0.02	2.87e-05	-3.48	0.0	5.33	0.58	0.09	0.0	-0.07	0.77
		-2.04	-0.07	2.79e-04	0.0	59.6	5.33	-2.90	0.09	0.0	-0.02	-2.04
283	122	-0.53	0.06	-1.79e-04	-3.48	0.0	4.58	1.57	-0.10	0.0	0.06	-2.55
		-2.55	-5.62e-04	-2.73e-04	0.0	59.6	4.58	-1.92	-0.10	0.0	-5.62e-04	-0.53
283	124	-3.92	-4.51e-04	-2.51e-04	-3.48	0.0	10.23	-2.82	0.05	0.0	-4.51e-04	-3.92
		-6.64	-7.53e-03	9.86e-06	0.0	59.6	10.23	-6.30	0.05	0.0	-7.53e-03	-6.64
283	127	4.06	-8.10e-03	1.01e-04	-3.48	0.0	-0.32	4.96	-0.06	0.0	-9.58e-03	2.14
		2.14	-9.58e-03	-3.03e-06	0.0	59.6	-0.32	1.48	-0.06	0.0	-8.10e-03	4.06
283	128	-3.29	-2.56e-03	-2.10e-04	-3.48	0.0	10.25	-2.80	0.05	0.0	-2.56e-03	-3.29
		-6.63	-7.52e-03	2.27e-05	0.0	59.6	10.25	-6.29	0.05	0.0	-7.52e-03	-6.63
283	131	4.06	-7.47e-03	6.04e-05	-3.48	0.0	-0.34	4.95	-0.06	0.0	-7.47e-03	1.51
		1.51	-8.11e-03	-1.59e-05	0.0	59.6	-0.34	1.47	-0.06	0.0	-8.11e-03	4.06
283	153	0.98	-0.02	4.16e-05	-3.48	0.0	5.36	0.52	0.10	0.0	-0.08	0.98
		-2.13	-0.08	3.16e-04	0.0	59.6	5.36	-2.96	0.10	0.0	-0.02	-2.13
283	154	-0.44	0.07	-1.92e-04	-3.48	0.0	4.55	1.62	-0.11	0.0	0.07	-2.76
		-2.76	3.87e-04	-3.09e-04	0.0	59.6	4.55	-1.86	-0.11	0.0	3.87e-04	-0.44
283	156	-4.30	1.60e-04	-2.73e-04	-3.48	0.0	10.89	-3.30	0.05	0.0	1.60e-04	-4.30
		-7.31	-7.48e-03	9.85e-06	0.0	59.6	10.89	-6.79	0.05	0.0	-7.48e-03	-7.31
283	159	4.73	-8.15e-03	1.23e-04	-3.48	0.0	-0.98	5.45	-0.06	0.0	-0.01	2.52
		2.52	-0.01	-3.01e-06	0.0	59.6	-0.98	1.97	-0.06	0.0	-8.15e-03	4.73
283	160	-3.59	-2.30e-03	-2.27e-04	-3.48	0.0	10.91	-3.29	0.06	0.0	-2.30e-03	-3.59
		-7.30	-7.48e-03	2.50e-05	0.0	59.6	10.91	-6.77	0.06	0.0	-7.48e-03	-7.30
283	163	4.73	-7.73e-03	7.74e-05	-3.48	0.0	-0.99	5.43	-0.07	0.0	-7.73e-03	1.81
		1.81	-8.15e-03	-1.81e-05	0.0	59.6	-0.99	1.95	-0.07	0.0	-8.15e-03	4.73
283	185	0.90	-0.02	3.84e-05	-3.48	0.0	5.20	0.60	0.11	0.0	-0.08	0.90
		-2.05	-0.08	3.32e-04	0.0	59.6	5.20	-2.89	0.11	0.0	-0.02	-2.05
283	186	-0.53	0.07	-1.88e-04	-3.48	0.0	4.71	1.55	-0.12	0.0	0.07	-2.68
		-2.68	6.13e-04	-3.25e-04	0.0	59.6	4.71	-1.93	-0.12	0.0	6.13e-04	-0.53
283	188	-4.25	3.39e-04	-2.70e-04	-3.48	0.0	10.79	-3.23	0.05	0.0	3.39e-04	-4.25
		-7.21	-7.42e-03	5.50e-06	0.0	59.6	10.79	-6.71	0.05	0.0	-7.42e-03	-7.21
283	191	4.63	-8.21e-03	1.20e-04	-3.48	0.0	-0.88	5.37	-0.06	0.0	-0.01	2.47
		2.47	-0.01	1.34e-06	0.0	59.6	-0.88	1.89	-0.06	0.0	-8.21e-03	4.63
283	217	1.20	-0.02	5.80e-05	-3.48	0.0	5.19	0.52	0.13	0.0	-0.09	1.20
		-2.18	-0.09	4.02e-04	0.0	59.6	5.19	-2.96	0.13	0.0	-0.02	-2.18
283	218	-0.39	0.08	-2.08e-04	-3.48	0.0	4.72	1.62	-0.14	0.0	0.08	-2.98
		-2.98	2.33e-03	-3.95e-04	0.0	59.6	4.72	-1.86	-0.14	0.0	2.33e-03	-0.39
283	220	-4.79	1.42e-03	-3.02e-04	-3.48	0.0	11.73	-3.92	0.07	0.0	1.42e-03	-4.79
		-8.17	-7.31e-03	2.18e-06	0.0	59.6	11.73	-7.40	0.07	0.0	-7.31e-03	-8.17
283	223	5.59	-8.32e-03	1.52e-04	-3.48	0.0	-1.82	6.07	-0.07	0.0	-0.01	3.02
		3.02	-0.01	4.66e-06	0.0	59.6	-1.82	2.59	-0.07	0.0	-8.32e-03	5.59
283	224	-4.02	-2.86e-03	-2.51e-04	-3.48	0.0	11.72	-3.91	0.07	0.0	-2.86e-03	-4.02
		-8.18	-7.47e-03	2.79e-05	0.0	59.6	11.72	-7.40	0.07	0.0	-7.47e-03	-8.18
283	227	5.61	-7.17e-03	1.01e-04	-3.48	0.0	-1.81	6.06	-0.08	0.0	-7.17e-03	2.24
		2.24	-8.17e-03	-2.11e-05	0.0	59.6	-1.81	2.58	-0.08	0.0	-8.17e-03	5.61
284	4	0.01	0.0	-1.14e-04	-6.83	0.0	14.12	0.52	-0.01	0.0	0.0	0.0
		-1.73	-8.86e-03	4.93e-06	0.0	59.6	14.12	-6.31	-0.01	0.0	-8.86e-03	-1.73
284	19	0.0	0.0	-6.47e-05	-3.25	0.0	6.12	-0.03	-4.40e-03	0.0	0.0	0.0
		-0.99	-2.62e-03	3.05e-06	0.0	59.6	6.12	-3.28	-4.40e-03	0.0	-2.62e-03	-0.99
284	28	0.06	0.0	-8.48e-05	-6.83	0.0	14.38	1.18	-0.02	0.0	0.0	0.0
		-1.33	-9.15e-03	5.30e-06	0.0	59.6	14.38	-5.65	-0.02	0.0	-9.15e-03	-1.33
284	32	0.04	0.0	-6.74e-05	-5.32	0.0	11.79	0.90	-0.01	0.0	0.0	0.0
		-1.05	-7.67e-03	4.07e-06	0.0	59.6	11.79	-4.42	-0.01	0.0	-7.67e-03	-1.05
284	33	0.28	0.0	-4.89e-05	-8.90	0.0	10.33	2.88	-8.95e-03	0.0	0.0	0.0
		-0.94	-5.34e-03	5.06e-06	0.0	59.6	10.33	-6.02	-8.95e-03	0.0	-5.34e-03	-0.94
284	68	8.81e-03	0.0	-8.03e-05	-4.86	0.0	10.08	0.39	-0.01	0.0	0.0	0.0
		-1.22	-6.19e-03	3.81e-06	0.0	59.6	10.08	-4.48	-0.01	0.0	-6.19e-03	-1.22
284	72	3.76e-03	0.0	-5.89e-05	-3.48	0.0	6.49	0.21	-5.07e-03	0.0	0.0	0.0
		-0.91	-3.02e-03	3.36e-06	0.0	59.6	6.49	-3.27	-5.07e-03	0.0	-3.02e-03	-0.91

284	80	0.04	0.0	-6.07e-05	-4.86	0.0	10.26	0.83	-0.01	0.0	0.0	0.0
		-0.96	-6.39e-03	4.05e-06	0.0	59.6	10.26	-4.03	-0.01	0.0	-6.39e-03	-0.96
284	81	0.18	0.0	-3.66e-05	-6.24	0.0	7.56	1.96	-6.44e-03	0.0	0.0	0.0
		-0.69	-3.84e-03	3.89e-06	0.0	59.6	7.56	-4.29	-6.44e-03	0.0	-3.84e-03	-0.69
284	98	3.19e-03	0.0	-6.07e-05	-3.48	0.0	8.79	0.19	-8.88e-03	0.0	0.0	0.0
		-0.92	-5.29e-03	4.09e-06	0.0	59.6	8.79	-3.29	-8.88e-03	0.0	-5.29e-03	-0.92
284	99	0.05	0.0	-4.32e-05	-4.04	0.0	6.77	0.81	-5.77e-03	0.0	0.0	0.0
		-0.72	-3.44e-03	3.97e-06	0.0	59.6	6.77	-3.22	-5.77e-03	0.0	-3.44e-03	-0.72
284	101	0.02	0.0	-5.89e-05	-4.04	0.0	8.64	0.48	-8.58e-03	0.0	0.0	0.0
		-0.92	-5.11e-03	4.08e-06	0.0	59.6	8.64	-3.55	-8.58e-03	0.0	-5.11e-03	-0.92
284	102	0.02	0.0	-4.57e-05	-3.48	0.0	6.57	0.51	-5.49e-03	0.0	0.0	0.0
		-0.74	-3.27e-03	3.85e-06	0.0	59.6	6.57	-2.98	-5.49e-03	0.0	-3.27e-03	-0.74
284	103	2.49e-03	0.0	-6.13e-05	-3.48	0.0	8.45	0.18	-8.31e-03	0.0	0.0	0.0
		-0.93	-4.95e-03	3.95e-06	0.0	59.6	8.45	-3.31	-8.31e-03	0.0	-4.95e-03	-0.93
284	106	0.03	0.0	-4.25e-05	-3.48	0.0	6.60	0.58	-5.60e-03	0.0	0.0	0.0
		-0.69	-3.34e-03	3.97e-06	0.0	59.6	6.60	-2.90	-5.60e-03	0.0	-3.34e-03	-0.69
284	107	5.24e-03	0.0	-5.81e-05	-3.48	0.0	8.47	0.25	-8.41e-03	0.0	0.0	0.0
		-0.89	-5.01e-03	4.07e-06	0.0	59.6	8.47	-3.23	-8.41e-03	0.0	-5.01e-03	-0.89
284	121	0.79	0.0	1.83e-05	-3.48	0.0	8.92	3.04	-0.12	0.0	0.0	0.0
		0.0	-0.07	2.84e-04	0.0	59.6	8.92	-0.45	-0.12	0.0	-0.07	0.77
284	122	0.0	0.06	-1.34e-04	-3.48	0.0	8.03	-2.54	0.10	0.0	0.0	0.0
		-2.55	0.0	-2.76e-04	0.0	59.6	8.03	-6.02	0.10	0.0	0.06	-2.55
284	128	0.0	0.0	-1.58e-04	-3.48	0.0	15.25	-3.77	-4.30e-03	0.0	0.0	0.0
		-3.29	-2.56e-03	2.56e-05	0.0	59.6	15.25	-7.26	-4.30e-03	0.0	-2.56e-03	-3.29
284	129	2.15	0.0	7.20e-05	-3.48	0.0	2.75	5.34	-0.07	0.0	0.0	0.0
		0.0	-0.04	1.64e-04	0.0	59.6	2.75	1.86	-0.07	0.0	-0.04	2.15
284	130	0.0	0.03	-1.88e-04	-3.48	0.0	14.20	-4.84	0.05	0.0	0.0	0.0
		-3.93	0.0	-1.56e-04	0.0	59.6	14.20	-8.33	0.05	0.0	0.03	-3.93
284	131	1.51	0.0	4.17e-05	-3.48	0.0	1.70	4.27	-0.01	0.0	0.0	0.0
		0.0	-7.47e-03	-1.74e-05	0.0	59.6	1.70	0.79	-0.01	0.0	-7.47e-03	1.51
284	153	0.98	0.0	2.78e-05	-3.48	0.0	8.95	3.38	-0.13	0.0	0.0	0.0
		0.0	-0.08	3.22e-04	0.0	59.6	8.95	-0.10	-0.13	0.0	-0.08	0.98
284	154	0.0	0.07	-1.44e-04	-3.48	0.0	8.00	-2.88	0.11	0.0	0.0	0.0
		-2.76	0.0	-3.14e-04	0.0	59.6	8.00	-6.36	0.11	0.0	0.07	-2.76
284	160	0.0	0.0	-1.70e-04	-3.48	0.0	16.09	-4.28	-3.86e-03	0.0	0.0	0.0
		-3.59	-2.30e-03	2.81e-05	0.0	59.6	16.09	-7.76	-3.86e-03	0.0	-2.30e-03	-3.59
284	161	2.53	0.0	8.83e-05	-3.48	0.0	2.03	5.98	-0.08	0.0	0.0	0.0
		0.0	-0.05	1.86e-04	0.0	59.6	2.03	2.50	-0.08	0.0	-0.05	2.53
284	162	0.0	0.04	-2.04e-04	-3.48	0.0	14.92	-5.48	0.06	0.0	0.0	0.0
		-4.31	0.0	-1.78e-04	0.0	59.6	14.92	-8.96	0.06	0.0	0.04	-4.31
284	163	1.81	0.0	5.42e-05	-3.48	0.0	0.86	4.78	-0.01	0.0	0.0	0.0
		0.0	-7.73e-03	-1.99e-05	0.0	59.6	0.86	1.29	-0.01	0.0	-7.73e-03	1.81
284	185	0.91	0.0	2.56e-05	-3.48	0.0	8.75	3.25	-0.13	0.0	0.0	0.0
		0.0	-0.08	3.39e-04	0.0	59.6	8.75	-0.23	-0.13	0.0	-0.08	0.90
284	186	0.0	0.07	-1.42e-04	-3.48	0.0	8.20	-2.75	0.12	0.0	0.0	0.0
		-2.68	0.0	-3.30e-04	0.0	59.6	8.20	-6.24	0.12	0.0	0.07	-2.68
284	192	0.0	0.0	-1.70e-04	-3.48	0.0	15.93	-4.25	-4.64e-03	0.0	0.0	0.0
		-3.57	-2.77e-03	2.75e-05	0.0	59.6	15.93	-7.74	-4.64e-03	0.0	-2.77e-03	-3.57
284	193	2.48	0.0	8.67e-05	-3.48	0.0	2.05	5.90	-0.08	0.0	0.0	0.0
		0.0	-0.05	1.97e-04	0.0	59.6	2.05	2.41	-0.08	0.0	-0.05	2.48
284	194	0.0	0.04	-2.03e-04	-3.48	0.0	14.89	-5.40	0.06	0.0	0.0	0.0
		-4.26	0.0	-1.89e-04	0.0	59.6	14.89	-8.88	0.06	0.0	0.04	-4.26
284	195	1.79	0.0	5.34e-05	-3.48	0.0	1.02	4.75	-0.01	0.0	0.0	0.0
		0.0	-7.26e-03	-1.93e-05	0.0	59.6	1.02	1.27	-0.01	0.0	-7.26e-03	1.79
284	217	1.20	0.0	4.01e-05	-3.48	0.0	8.73	3.75	-0.16	0.0	0.0	0.0
		0.0	-0.09	4.11e-04	0.0	59.6	8.73	0.27	-0.16	0.0	-0.09	1.20
284	218	0.0	0.08	-1.56e-04	-3.48	0.0	8.22	-3.25	0.14	0.0	0.0	0.0
		-2.98	0.0	-4.03e-04	0.0	59.6	8.22	-6.73	0.14	0.0	0.08	-2.98
284	224	0.0	0.0	-1.88e-04	-3.48	0.0	17.12	-4.99	-4.80e-03	0.0	0.0	0.0
		-4.02	-2.86e-03	3.14e-05	0.0	59.6	17.12	-8.48	-4.80e-03	0.0	-2.86e-03	-4.02
284	225	3.03	0.0	1.11e-04	-3.48	0.0	0.98	6.83	-0.09	0.0	0.0	0.0
		0.0	-0.06	2.40e-04	0.0	59.6	0.98	3.35	-0.09	0.0	-0.06	3.03
284	226	0.0	0.05	-2.27e-04	-3.48	0.0	15.96	-6.33	0.08	0.0	0.0	0.0
		-4.81	0.0	-2.32e-04	0.0	59.6	15.96	-9.82	0.08	0.0	0.05	-4.81
284	227	2.24	0.0	7.17e-05	-3.48	0.0	-0.17	5.49	-0.01	0.0	0.0	0.0
		0.0	-7.17e-03	-2.33e-05	0.0	59.6	-0.17	2.01	-0.01	0.0	-7.17e-03	2.24
285	4	0.0	1.54e-03	2.60e-05	-6.15	0.0	12.61	6.71	-2.87e-03	0.0	1.54e-03	-1.95
		-1.95	0.0	1.26e-05	0.0	53.6	12.61	0.56	-2.87e-03	0.0	0.0	0.0
285	12	0.09	2.97e-04	9.70e-06	-6.65	0.0	6.89	5.14	-5.54e-04	0.0	2.97e-04	-0.97
		-0.97	0.0	7.34e-06	0.0	53.6	6.89	-1.51	-5.54e-04	0.0	0.0	0.0
285	19	6.60e-03	0.0	-3.37e-06	-2.93	0.0	6.08	2.65	4.74e-03	0.0	-2.54e-03	-0.63
		-0.63	-2.54e-03	5.88e-06	0.0	53.6	6.08	-0.28	4.74e-03	0.0	0.0	0.0
285	28	0.0	5.66e-03	4.76e-05	-6.15	0.0	12.09	7.23	-0.01	0.0	5.66e-03	-2.23
		-2.23	0.0	1.28e-05	0.0	53.6	12.09	1.09	-0.01	0.0	0.0	0.0
285	44	0.0	6.27e-03	5.18e-05	-6.15	0.0	10.75	7.00	-0.01	0.0	6.27e-03	-2.11

		-2.11	0.0	1.16e-05	0.0	53.6	10.75	0.85	-0.01	0.0	0.0	0.0
285	45	0.0	4.32e-03	3.70e-05	-2.93	0.0	5.20	3.52	-8.05e-03	0.0	4.32e-03	-1.10
		-1.10	0.0	6.30e-06	0.0	53.6	5.20	0.59	-8.05e-03	0.0	0.0	0.0
285	68	0.0	1.26e-03	1.95e-05	-4.38	0.0	9.01	4.78	-2.35e-03	0.0	1.26e-03	-1.39
		-1.39	0.0	9.17e-06	0.0	53.6	9.01	0.40	-2.35e-03	0.0	0.0	0.0
285	69	0.04	9.93e-04	1.35e-05	-5.62	0.0	6.71	4.65	-1.85e-03	0.0	9.93e-04	-0.99
		-0.99	0.0	7.37e-06	0.0	53.6	6.71	-0.97	-1.85e-03	0.0	0.0	0.0
285	72	1.67e-03	0.0	7.75e-06	-3.13	0.0	6.17	2.99	1.67e-03	0.0	-8.98e-04	-0.76
		-0.76	-8.98e-04	6.40e-06	0.0	53.6	6.17	-0.15	1.67e-03	0.0	0.0	0.0
285	80	0.0	4.01e-03	3.39e-05	-4.38	0.0	8.66	5.13	-7.47e-03	0.0	4.01e-03	-1.58
		-1.58	0.0	9.34e-06	0.0	53.6	8.66	0.75	-7.47e-03	0.0	0.0	0.0
285	85	0.0	3.68e-03	3.17e-05	-3.13	0.0	5.58	3.57	-6.85e-03	0.0	3.68e-03	-1.07
		-1.07	0.0	6.68e-06	0.0	53.6	5.58	0.43	-6.85e-03	0.0	0.0	0.0
285	88	0.0	4.42e-03	3.68e-05	-4.38	0.0	7.77	4.97	-8.23e-03	0.0	4.42e-03	-1.49
		-1.49	0.0	8.56e-06	0.0	53.6	7.77	0.60	-8.23e-03	0.0	0.0	0.0
285	98	0.0	2.62e-03	2.44e-05	-3.13	0.0	7.67	3.91	-4.89e-03	0.0	2.62e-03	-1.26
		-1.26	0.0	8.53e-06	0.0	53.6	7.67	0.77	-4.89e-03	0.0	0.0	0.0
285	101	0.0	2.69e-03	2.39e-05	-3.63	0.0	7.55	4.13	-5.02e-03	0.0	2.69e-03	-1.24
		-1.24	0.0	8.46e-06	0.0	53.6	7.55	0.50	-5.02e-03	0.0	0.0	0.0
285	102	0.0	1.59e-03	1.74e-05	-3.13	0.0	5.89	3.22	-2.96e-03	0.0	1.59e-03	-0.89
		-0.89	0.0	6.89e-06	0.0	53.6	5.89	0.09	-2.96e-03	0.0	0.0	0.0
285	104	0.0	2.50e-03	2.22e-05	-3.13	0.0	5.78	3.34	-4.66e-03	0.0	2.50e-03	-0.95
		-0.95	0.0	6.95e-06	0.0	53.6	5.78	0.20	-4.66e-03	0.0	0.0	0.0
285	105	0.0	2.86e-03	2.61e-05	-3.13	0.0	7.36	3.88	-5.33e-03	0.0	2.86e-03	-1.24
		-1.24	0.0	8.25e-06	0.0	53.6	7.36	0.74	-5.33e-03	0.0	0.0	0.0
285	106	0.0	2.21e-03	1.98e-05	-3.13	0.0	5.83	3.28	-4.12e-03	0.0	2.21e-03	-0.92
		-0.92	0.0	7.02e-06	0.0	53.6	5.83	0.14	-4.12e-03	0.0	0.0	0.0
285	107	0.0	2.56e-03	2.37e-05	-3.13	0.0	7.41	3.82	-4.78e-03	0.0	2.56e-03	-1.21
		-1.21	0.0	8.32e-06	0.0	53.6	7.41	0.68	-4.78e-03	0.0	0.0	0.0
285	108	0.0	0.0	4.17e-06	-3.13	0.0	10.99	4.98	0.14	0.0	-0.08	-1.83
		-1.83	-0.08	8.18e-05	0.0	53.6	10.99	1.85	0.14	0.0	0.0	0.0
285	111	0.02	0.08	4.33e-05	-3.13	0.0	3.83	2.65	-0.15	0.0	0.08	-0.58
		-0.58	0.0	-6.52e-05	0.0	53.6	3.83	-0.48	-0.15	0.0	0.0	0.0
285	133	0.0	8.65e-03	9.91e-05	-3.13	0.0	13.75	7.32	-0.02	0.0	8.65e-03	-3.09
		-3.09	0.0	9.15e-06	0.0	53.6	13.75	4.19	-0.02	0.0	0.0	0.0
285	134	0.68	0.0	-5.16e-05	-3.13	0.0	1.07	0.31	6.56e-03	0.0	-3.52e-03	0.67
		0.0	-3.52e-03	7.48e-06	0.0	53.6	1.07	-2.82	6.56e-03	0.0	0.0	0.0
285	140	0.0	0.0	-2.60e-06	-3.13	0.0	11.45	5.13	0.16	0.0	-0.09	-1.91
		-1.91	-0.09	9.20e-05	0.0	53.6	11.45	2.00	0.16	0.0	0.0	0.0
285	143	0.03	0.09	4.56e-05	-3.13	0.0	3.37	2.51	-0.17	0.0	0.09	-0.50
		-0.50	0.0	-7.54e-05	0.0	53.6	3.37	-0.63	-0.17	0.0	0.0	0.0
285	165	0.0	9.33e-03	1.08e-04	-3.13	0.0	14.54	7.76	-0.02	0.0	9.33e-03	-3.32
		-3.32	0.0	1.02e-05	0.0	53.6	14.54	4.63	-0.02	0.0	0.0	0.0
285	166	0.91	0.0	-6.10e-05	-3.13	0.0	0.28	-0.12	7.84e-03	0.0	-4.21e-03	0.91
		0.0	-4.21e-03	6.39e-06	0.0	53.6	0.28	-3.26	7.84e-03	0.0	0.0	0.0
285	172	0.0	0.0	4.74e-06	-3.13	0.0	11.46	5.15	0.15	0.0	-0.08	-1.92
		-1.92	-0.08	1.17e-04	0.0	53.6	11.46	2.01	0.15	0.0	0.0	0.0
285	175	0.04	0.09	4.27e-05	-3.13	0.0	3.36	2.49	-0.16	0.0	0.09	-0.49
		-0.49	0.0	-1.00e-04	0.0	53.6	3.36	-0.64	-0.16	0.0	0.0	0.0
285	197	0.0	8.90e-03	1.06e-04	-3.13	0.0	14.45	7.70	-0.02	0.0	8.90e-03	-3.29
		-3.29	0.0	2.52e-05	0.0	53.6	14.45	4.56	-0.02	0.0	0.0	0.0
285	198	0.87	0.0	-5.90e-05	-3.13	0.0	0.37	-0.06	7.02e-03	0.0	-3.77e-03	0.87
		0.0	-3.77e-03	-8.54e-06	0.0	53.6	0.37	-3.19	7.02e-03	0.0	0.0	0.0
285	201	0.0	0.02	1.09e-04	-3.13	0.0	14.04	7.70	-0.04	0.0	0.02	-3.29
		-3.29	0.0	4.35e-05	0.0	53.6	14.04	4.57	-0.04	0.0	0.0	0.0
285	202	0.88	0.0	-6.15e-05	-3.13	0.0	0.78	-0.07	0.03	0.0	-0.01	0.88
		0.0	-0.01	-2.69e-05	0.0	53.6	0.78	-3.20	0.03	0.0	0.0	0.0
285	204	0.0	0.0	3.19e-06	-3.13	0.0	12.19	5.39	0.18	0.0	-0.09	-2.05
		-2.05	-0.09	1.50e-04	0.0	53.6	12.19	2.26	0.18	0.0	0.0	0.0
285	207	0.07	0.10	4.42e-05	-3.13	0.0	2.63	2.24	-0.19	0.0	0.10	-0.36
		-0.36	0.0	-1.34e-04	0.0	53.6	2.63	-0.89	-0.19	0.0	0.0	0.0
285	229	0.0	9.80e-03	1.20e-04	-3.13	0.0	15.60	8.33	-0.02	0.0	9.80e-03	-3.63
		-3.63	0.0	3.68e-05	0.0	53.6	15.60	5.19	-0.02	0.0	0.0	0.0
285	230	1.21	0.0	-7.24e-05	-3.13	0.0	-0.78	-0.69	8.72e-03	0.0	-4.68e-03	1.21
		0.0	-4.68e-03	-2.02e-05	0.0	53.6	-0.78	-3.82	8.72e-03	0.0	0.0	0.0
285	233	0.0	0.02	1.23e-04	-3.13	0.0	15.15	8.36	-0.04	0.0	0.02	-3.64
		-3.64	0.0	6.24e-05	0.0	53.6	15.15	5.22	-0.04	0.0	0.0	0.0
285	234	1.23	0.0	-7.58e-05	-3.13	0.0	-0.33	-0.72	0.03	0.0	-0.02	1.23
		0.0	-0.02	-4.57e-05	0.0	53.6	-0.33	-3.85	0.03	0.0	0.0	0.0
286	17	-1.51	-1.08e-03	3.56e-05	-4.28	0.0	6.34	4.09	9.36e-03	0.0	-6.10e-03	-2.56
		-2.56	-6.10e-03	1.08e-05	0.0	53.6	6.34	-0.19	9.36e-03	0.0	-1.08e-03	-1.52
286	19	-0.59	-2.54e-03	9.37e-06	-2.93	0.0	3.19	2.26	3.79e-03	0.0	-4.57e-03	-1.06
		-1.06	-4.57e-03	6.15e-06	0.0	53.6	3.19	-0.67	3.79e-03	0.0	-2.54e-03	-0.63
286	28	-2.23	5.66e-03	7.63e-05	-6.15	0.0	7.73	6.09	0.02	0.0	-4.85e-03	-3.85
		-3.85	-4.85e-03	1.22e-05	0.0	53.6	7.73	-0.06	0.02	0.0	5.66e-03	-2.23

286	44	-2.11	6.27e-03	7.83e-05	-6.15	0.0	7.04	5.97	0.02	0.0	-4.41e-03	-3.66
		-3.66	-4.41e-03	1.09e-05	0.0	53.6	7.04	-0.18	0.02	0.0	6.27e-03	-2.11
286	72	-0.73	-8.98e-04	1.75e-05	-3.13	0.0	3.44	2.56	6.32e-03	0.0	-4.29e-03	-1.29
		-1.29	-4.29e-03	6.49e-06	0.0	53.6	3.44	-0.58	6.32e-03	0.0	-8.98e-04	-0.76
286	74	-1.10	-4.82e-04	2.70e-05	-3.13	0.0	4.60	2.99	7.56e-03	0.0	-4.54e-03	-1.87
		-1.87	-4.54e-03	7.95e-06	0.0	53.6	4.60	-0.14	7.56e-03	0.0	-4.82e-04	-1.10
286	80	-1.58	4.01e-03	5.41e-05	-4.38	0.0	5.53	4.32	0.01	0.0	-3.71e-03	-2.72
		-2.72	-3.71e-03	8.88e-06	0.0	53.6	5.53	-0.05	0.01	0.0	4.01e-03	-1.58
286	88	-1.49	4.42e-03	5.55e-05	-4.38	0.0	5.06	4.24	0.01	0.0	-3.41e-03	-2.60
		-2.60	-3.41e-03	8.05e-06	0.0	53.6	5.06	-0.13	0.01	0.0	4.42e-03	-1.49
286	98	-1.26	2.62e-03	4.07e-05	-3.13	0.0	4.76	3.26	0.01	0.0	-3.92e-03	-2.17
		-2.17	-3.92e-03	8.23e-06	0.0	53.6	4.76	0.13	0.01	0.0	2.62e-03	-1.26
286	102	-0.88	1.59e-03	2.85e-05	-3.13	0.0	3.57	2.77	0.01	0.0	-3.80e-03	-1.53
		-1.53	-3.80e-03	6.71e-06	0.0	53.6	3.57	-0.36	0.01	0.0	1.59e-03	-0.89
286	103	-1.18	1.94e-03	3.66e-05	-3.13	0.0	4.56	3.15	0.01	0.0	-4.01e-03	-2.02
		-2.02	-4.01e-03	7.96e-06	0.0	53.6	4.56	0.01	0.01	0.0	1.94e-03	-1.18
286	105	-1.24	2.86e-03	4.20e-05	-3.13	0.0	4.62	3.25	0.01	0.0	-3.79e-03	-2.14
		-2.14	-3.79e-03	7.92e-06	0.0	53.6	4.62	0.12	0.01	0.0	2.86e-03	-1.24
286	106	-0.91	2.21e-03	3.12e-05	-3.13	0.0	3.60	2.83	0.01	0.0	-3.67e-03	-1.59
		-1.59	-3.67e-03	6.76e-06	0.0	53.6	3.60	-0.31	0.01	0.0	2.21e-03	-0.92
286	107	-1.21	2.56e-03	3.93e-05	-3.13	0.0	4.60	3.20	0.01	0.0	-3.88e-03	-2.08
		-2.08	-3.88e-03	8.02e-06	0.0	53.6	4.60	0.07	0.01	0.0	2.56e-03	-1.21
286	108	-1.83	-9.86e-03	4.84e-05	-3.13	0.0	6.84	4.05	-0.09	0.0	-9.86e-03	-3.15
		-3.15	-0.08	7.80e-05	0.0	53.6	6.84	0.91	-0.09	0.0	-0.08	-1.83
286	111	-0.53	0.08	3.02e-05	-3.13	0.0	2.36	2.35	0.12	0.0	2.09e-03	-1.01
		-1.01	2.09e-03	-6.20e-05	0.0	53.6	2.36	-0.78	0.12	0.0	0.08	-0.53
286	125	-3.03	9.92e-03	1.33e-04	-3.13	0.0	8.71	6.84	-0.07	0.0	-2.47e-03	-5.85
		-5.85	-2.47e-03	6.03e-05	0.0	53.6	8.71	3.70	-0.07	0.0	9.92e-03	-3.03
286	126	1.68	-4.79e-03	-5.40e-05	-3.13	0.0	0.49	-0.44	0.10	0.0	-5.29e-03	1.68
		0.61	-5.29e-03	-4.43e-05	0.0	53.6	0.49	-3.57	0.10	0.0	-4.79e-03	0.61
286	133	-3.09	8.65e-03	1.22e-04	-3.13	0.0	9.37	6.66	-0.07	0.0	-3.85e-03	-5.81
		-5.81	-3.85e-03	6.60e-06	0.0	53.6	9.37	3.52	-0.07	0.0	8.65e-03	-3.09
286	134	1.65	-3.52e-03	-4.38e-05	-3.13	0.0	-0.18	-0.26	0.10	0.0	-3.91e-03	1.65
		0.67	-3.91e-03	9.43e-06	0.0	53.6	-0.18	-3.39	0.10	0.0	-3.52e-03	0.67
286	140	-1.91	-0.01	4.96e-05	-3.13	0.0	7.13	4.15	-0.11	0.0	-0.01	-3.29
		-3.29	-0.09	8.79e-05	0.0	53.6	7.13	1.02	-0.11	0.0	-0.09	-1.91
286	143	-0.44	0.09	2.90e-05	-3.13	0.0	2.07	2.25	0.13	0.0	2.84e-03	-0.88
		-0.88	2.84e-03	-7.18e-05	0.0	53.6	2.07	-0.89	0.13	0.0	0.09	-0.50
286	161	-3.25	0.02	1.46e-04	-3.13	0.0	8.97	7.31	-0.07	0.0	-1.58e-03	-6.33
		-6.33	-1.58e-03	7.49e-05	0.0	53.6	8.97	4.17	-0.07	0.0	0.02	-3.25
286	162	2.16	-6.18e-03	-6.75e-05	-3.13	0.0	0.22	-0.91	0.09	0.0	-6.18e-03	2.16
		0.84	-0.02	-5.88e-05	0.0	53.6	0.22	-4.04	0.09	0.0	-0.02	0.84
286	165	-3.32	9.33e-03	1.33e-04	-3.13	0.0	9.97	7.09	-0.08	0.0	-3.86e-03	-6.28
		-6.28	-3.86e-03	7.36e-06	0.0	53.6	9.97	3.95	-0.08	0.0	9.33e-03	-3.32
286	166	2.11	-3.91e-03	-5.42e-05	-3.13	0.0	-0.77	-0.69	0.11	0.0	-3.91e-03	2.11
		0.91	-4.21e-03	8.68e-06	0.0	53.6	-0.77	-3.82	0.11	0.0	-4.21e-03	0.91
286	172	-1.92	-0.01	5.06e-05	-3.13	0.0	7.15	4.16	-0.10	0.0	-0.01	-3.30
		-3.30	-0.08	1.13e-04	0.0	53.6	7.15	1.02	-0.10	0.0	-0.08	-1.92
286	175	-0.43	0.09	2.80e-05	-3.13	0.0	2.05	2.24	0.13	0.0	2.59e-03	-0.86
		-0.86	2.59e-03	-9.69e-05	0.0	53.6	2.05	-0.89	0.13	0.0	0.09	-0.49
286	193	-3.26	0.02	1.46e-04	-3.13	0.0	8.99	7.30	-0.06	0.0	-1.57e-03	-6.33
		-6.33	-1.57e-03	8.14e-05	0.0	53.6	8.99	4.16	-0.06	0.0	0.02	-3.26
286	194	2.16	-6.19e-03	-6.77e-05	-3.13	0.0	0.21	-0.90	0.08	0.0	-6.19e-03	2.16
		0.84	-0.02	-6.54e-05	0.0	53.6	0.21	-4.03	0.08	0.0	-0.02	0.84
286	197	-3.29	8.90e-03	1.31e-04	-3.13	0.0	9.90	7.01	-0.08	0.0	-3.96e-03	-6.20
		-6.20	-3.96e-03	2.21e-05	0.0	53.6	9.90	3.88	-0.08	0.0	8.90e-03	-3.29
286	198	2.04	-3.77e-03	-5.26e-05	-3.13	0.0	-0.70	-0.61	0.10	0.0	-3.80e-03	2.04
		0.87	-3.80e-03	-6.03e-06	0.0	53.6	-0.70	-3.75	0.10	0.0	-3.77e-03	0.87
286	204	-2.05	-0.01	5.33e-05	-3.13	0.0	7.61	4.33	-0.12	0.0	-0.01	-3.53
		-3.53	-0.09	1.46e-04	0.0	53.6	7.61	1.20	-0.12	0.0	-0.09	-2.05
286	207	-0.27	0.10	2.53e-05	-3.13	0.0	1.59	2.07	0.14	0.0	3.58e-03	-0.64
		-0.64	3.58e-03	-1.30e-04	0.0	53.6	1.59	-1.07	0.14	0.0	0.10	-0.36
286	225	-3.62	0.02	1.65e-04	-3.13	0.0	9.77	8.01	-0.07	0.0	-1.19e-03	-7.07
		-7.07	-1.19e-03	9.80e-05	0.0	53.6	9.77	4.88	-0.07	0.0	0.02	-3.62
286	226	2.90	-6.57e-03	-8.64e-05	-3.13	0.0	-0.57	-1.61	0.09	0.0	-6.57e-03	2.90
		1.20	-0.02	-8.20e-05	0.0	53.6	-0.57	-4.75	0.09	0.0	-0.02	1.20
286	229	-3.63	9.80e-03	1.46e-04	-3.13	0.0	10.76	7.62	-0.09	0.0	-4.01e-03	-6.87
		-6.87	-4.01e-03	3.30e-05	0.0	53.6	10.76	4.49	-0.09	0.0	9.80e-03	-3.63
286	230	2.70	-3.75e-03	-6.75e-05	-3.13	0.0	-1.57	-1.22	0.12	0.0	-3.75e-03	2.70
		1.21	-4.68e-03	-1.70e-05	0.0	53.6	-1.57	-4.36	0.12	0.0	-4.68e-03	1.21
287	17	-2.46	0.01	6.75e-05	-4.28	0.0	3.82	2.98	-0.03	0.0	0.01	-3.01
		-3.01	-6.10e-03	1.15e-05	0.0	53.6	3.82	-1.30	-0.03	0.0	-6.10e-03	-2.56
287	19	-0.94	7.78e-03	2.22e-05	-2.93	0.0	1.74	1.79	-0.02	0.0	7.78e-03	-1.24
		-1.24	-4.57e-03	6.68e-06	0.0	53.6	1.74	-1.13	-0.02	0.0	-4.57e-03	-1.06
287	28	-3.73	8.34e-03	1.23e-04	-6.15	0.0	5.24	4.52	-0.02	0.0	8.34e-03	-4.62

		-4.62	-4.85e-03	1.28e-05	0.0	53.6	5.24	-1.63	-0.02	0.0	-4.85e-03	-3.85
287	72	-1.18	7.34e-03	3.31e-05	-3.13	0.0	2.02	2.01	-0.02	0.0	7.34e-03	-1.53
		-1.53	-4.29e-03	6.99e-06	0.0	53.6	2.02	-1.12	-0.02	0.0	-4.29e-03	-1.29
287	74	-1.79	7.68e-03	5.01e-05	-3.13	0.0	2.79	2.19	-0.02	0.0	7.68e-03	-2.20
		-2.20	-4.54e-03	8.48e-06	0.0	53.6	2.79	-0.94	-0.02	0.0	-4.54e-03	-1.87
287	80	-2.64	6.39e-03	8.73e-05	-4.38	0.0	3.74	3.22	-0.02	0.0	6.39e-03	-3.28
		-3.28	-3.71e-03	9.33e-06	0.0	53.6	3.74	-1.16	-0.02	0.0	-3.71e-03	-2.72
287	98	-2.12	6.74e-03	6.73e-05	-3.13	0.0	3.15	2.38	-0.02	0.0	6.74e-03	-2.60
		-2.60	-3.92e-03	8.69e-06	0.0	53.6	3.15	-0.75	-0.02	0.0	-3.92e-03	-2.17
287	102	-1.45	6.59e-03	4.68e-05	-3.13	0.0	2.30	2.16	-0.02	0.0	6.59e-03	-1.85
		-1.85	-3.80e-03	7.15e-06	0.0	53.6	2.30	-0.97	-0.02	0.0	-3.80e-03	-1.53
287	103	-1.97	6.88e-03	6.14e-05	-3.13	0.0	2.97	2.32	-0.02	0.0	6.88e-03	-2.43
		-2.43	-4.01e-03	8.44e-06	0.0	53.6	2.97	-0.82	-0.02	0.0	-4.01e-03	-2.02
287	106	-1.52	6.40e-03	5.02e-05	-3.13	0.0	2.37	2.20	-0.02	0.0	6.40e-03	-1.93
		-1.93	-3.67e-03	7.20e-06	0.0	53.6	2.37	-0.93	-0.02	0.0	-3.67e-03	-1.59
287	107	-2.03	6.69e-03	6.48e-05	-3.13	0.0	3.04	2.35	-0.02	0.0	6.69e-03	-2.51
		-2.51	-3.88e-03	8.48e-06	0.0	53.6	3.04	-0.78	-0.02	0.0	-3.88e-03	-2.08
287	108	-3.14	7.93e-03	9.33e-05	-3.13	0.0	4.49	2.76	-0.03	0.0	7.93e-03	-3.76
		-3.76	-9.86e-03	6.68e-05	0.0	53.6	4.49	-0.37	-0.03	0.0	-9.86e-03	-3.15
287	119	-0.89	8.54e-03	3.34e-05	-3.13	0.0	2.01	1.89	-0.01	0.0	8.54e-03	-1.21
		-1.21	-1.19e-05	-6.57e-05	0.0	53.6	2.01	-1.25	-0.01	0.0	-1.19e-05	-1.02
287	129	-5.85	7.21e-03	2.04e-04	-3.13	0.0	6.31	5.28	-0.02	0.0	7.21e-03	-7.83
		-7.83	-1.84e-03	6.61e-05	0.0	53.6	6.31	2.15	-0.02	0.0	-1.84e-03	-5.85
287	130	2.82	6.17e-03	-7.47e-05	-3.13	0.0	-0.24	-0.57	-0.02	0.0	6.17e-03	2.82
		1.68	-5.92e-03	-4.91e-05	0.0	53.6	-0.24	-3.71	-0.02	0.0	-5.92e-03	1.68
287	133	-5.81	6.21e-03	1.93e-04	-3.13	0.0	6.72	4.87	-0.02	0.0	6.21e-03	-7.57
		-7.57	-3.85e-03	0.0	0.0	53.6	6.72	1.74	-0.02	0.0	-3.85e-03	-5.81
287	134	2.56	7.17e-03	-6.33e-05	-3.13	0.0	-0.65	-0.16	-0.02	0.0	7.17e-03	2.56
		1.65	-3.91e-03	1.71e-05	0.0	53.6	-0.65	-3.30	-0.02	0.0	-3.91e-03	1.65
287	140	-3.28	8.09e-03	9.70e-05	-3.13	0.0	4.67	2.81	-0.03	0.0	8.09e-03	-3.92
		-3.92	-0.01	7.51e-05	0.0	53.6	4.67	-0.32	-0.03	0.0	-0.01	-3.29
287	151	-0.74	8.77e-03	2.90e-05	-3.13	0.0	1.87	1.83	-0.01	0.0	8.77e-03	-1.03
		-1.03	4.49e-04	-8.05e-05	0.0	53.6	1.87	-1.31	-0.01	0.0	4.49e-04	-0.87
287	161	-6.33	7.28e-03	2.22e-04	-3.13	0.0	6.73	5.65	-0.02	0.0	7.28e-03	-8.51
		-8.51	-1.58e-03	7.43e-05	0.0	53.6	6.73	2.51	-0.02	0.0	-1.58e-03	-6.33
287	162	3.50	6.10e-03	-9.23e-05	-3.13	0.0	-0.65	-0.94	-0.02	0.0	6.10e-03	3.50
		2.16	-6.18e-03	-5.73e-05	0.0	53.6	-0.65	-4.07	-0.02	0.0	-6.18e-03	2.16
287	165	-6.28	6.15e-03	2.09e-04	-3.13	0.0	7.18	5.18	-0.02	0.0	6.15e-03	-8.21
		-8.21	-3.86e-03	0.0	0.0	53.6	7.18	2.05	-0.02	0.0	-3.86e-03	-6.28
287	166	3.19	7.23e-03	-7.92e-05	-3.13	0.0	-1.11	-0.48	-0.02	0.0	7.23e-03	3.19
		2.11	-3.91e-03	1.73e-05	0.0	53.6	-1.11	-3.61	-0.02	0.0	-3.91e-03	2.11
287	172	-3.29	8.08e-03	9.73e-05	-3.13	0.0	4.69	2.79	-0.03	0.0	8.08e-03	-3.93
		-3.93	-0.01	1.01e-04	0.0	53.6	4.69	-0.34	-0.03	0.0	-0.01	-3.30
287	173	-5.42	8.73e-03	1.77e-04	-3.13	0.0	6.52	4.50	-0.03	0.0	8.73e-03	-6.96
		-6.96	-8.42e-03	1.18e-04	0.0	53.6	6.52	1.37	-0.03	0.0	-8.42e-03	-5.42
287	193	-6.33	7.29e-03	2.22e-04	-3.13	0.0	6.73	5.63	-0.02	0.0	7.29e-03	-8.50
		-8.50	-1.57e-03	8.13e-05	0.0	53.6	6.73	2.49	-0.02	0.0	-1.57e-03	-6.33
287	194	3.48	6.09e-03	-9.21e-05	-3.13	0.0	-0.66	-0.92	-0.02	0.0	6.09e-03	3.48
		2.16	-6.19e-03	-6.44e-05	0.0	53.6	-0.66	-4.05	-0.02	0.0	-6.19e-03	2.16
287	197	-6.20	6.16e-03	2.06e-04	-3.13	0.0	7.12	5.12	-0.02	0.0	6.16e-03	-8.10
		-8.10	-3.96e-03	1.43e-05	0.0	53.6	7.12	1.98	-0.02	0.0	-3.96e-03	-6.20
287	198	3.08	7.23e-03	-7.65e-05	-3.13	0.0	-1.05	-0.41	-0.02	0.0	7.23e-03	3.08
		2.04	-3.80e-03	2.66e-06	0.0	53.6	-1.05	-3.54	-0.02	0.0	-3.80e-03	2.04
287	204	-3.52	8.32e-03	1.03e-04	-3.13	0.0	5.00	2.86	-0.04	0.0	8.32e-03	-4.19
		-4.19	-0.01	1.32e-04	0.0	53.6	5.00	-0.27	-0.04	0.0	-0.01	-3.53
287	205	-6.01	9.08e-03	1.97e-04	-3.13	0.0	7.14	4.86	-0.03	0.0	9.08e-03	-7.74
		-7.74	-9.10e-03	1.50e-04	0.0	53.6	7.14	1.73	-0.03	0.0	-9.10e-03	-6.01
287	225	-7.07	7.40e-03	2.49e-04	-3.13	0.0	7.39	6.19	-0.02	0.0	7.40e-03	-9.54
		-9.54	-1.19e-03	9.82e-05	0.0	53.6	7.39	3.05	-0.02	0.0	-1.19e-03	-7.07
287	226	4.53	5.99e-03	-1.19e-04	-3.13	0.0	-1.32	-1.48	-0.02	0.0	5.99e-03	4.53
		2.90	-6.57e-03	-8.12e-05	0.0	53.6	-1.32	-4.61	-0.02	0.0	-6.57e-03	2.90
287	229	-6.87	6.07e-03	2.29e-04	-3.13	0.0	7.79	5.56	-0.02	0.0	6.07e-03	-9.00
		-9.00	-4.01e-03	2.37e-05	0.0	53.6	7.79	2.42	-0.02	0.0	-4.01e-03	-6.87
287	230	3.98	7.32e-03	-9.92e-05	-3.13	0.0	-1.71	-0.85	-0.02	0.0	7.32e-03	3.98
		2.70	-3.75e-03	-6.78e-06	0.0	53.6	-1.71	-3.98	-0.02	0.0	-3.75e-03	2.70
288	17	-2.58	0.01	1.06e-04	-4.28	0.0	8.87	1.64	0.06	0.0	-0.02	-2.74
		-3.01	-0.02	1.03e-05	0.0	53.6	8.87	-2.64	0.06	0.0	0.01	-3.01
288	19	-0.98	7.78e-03	3.73e-05	-2.93	0.0	4.33	1.25	0.05	0.0	-0.02	-1.12
		-1.24	-0.02	5.74e-06	0.0	53.6	4.33	-1.68	0.05	0.0	7.78e-03	-1.24
288	28	-4.06	8.34e-03	1.81e-04	-6.15	0.0	11.37	2.56	0.05	0.0	-0.02	-4.35
		-4.62	-0.02	1.18e-05	0.0	53.6	11.37	-3.59	0.05	0.0	8.34e-03	-4.62
288	72	-1.26	7.34e-03	5.19e-05	-3.13	0.0	4.78	1.36	0.05	0.0	-0.02	-1.42
		-1.53	-0.02	6.10e-06	0.0	53.6	4.78	-1.78	0.05	0.0	7.34e-03	-1.53
288	74	-1.89	7.68e-03	7.79e-05	-3.13	0.0	6.45	1.23	0.05	0.0	-0.02	-2.02
		-2.20	-0.02	7.56e-06	0.0	53.6	6.45	-1.91	0.05	0.0	7.68e-03	-2.20

288	80	-2.88	6.39e-03	1.28e-04	-4.38	0.0	8.12	1.84	0.04	0.0	-0.02	-3.09
		-3.28	-0.02	8.56e-06	0.0	53.6	8.12	-2.54	0.04	0.0	6.39e-03	-3.28
288	98	-2.31	6.74e-03	9.99e-05	-3.13	0.0	6.91	1.28	0.04	0.0	-0.02	-2.45
		-2.60	-0.02	7.88e-06	0.0	53.6	6.91	-1.86	0.04	0.0	6.74e-03	-2.60
288	102	-1.59	6.59e-03	6.95e-05	-3.13	0.0	5.14	1.40	0.04	0.0	-0.02	-1.76
		-1.85	-0.02	6.36e-06	0.0	53.6	5.14	-1.74	0.04	0.0	6.59e-03	-1.85
288	103	-2.13	6.88e-03	9.18e-05	-3.13	0.0	6.58	1.29	0.04	0.0	-0.02	-2.28
		-2.43	-0.02	7.61e-06	0.0	53.6	6.58	-1.85	0.04	0.0	6.88e-03	-2.43
288	106	-1.68	6.40e-03	7.39e-05	-3.13	0.0	5.23	1.41	0.04	0.0	-0.02	-1.85
		-1.93	-0.02	6.43e-06	0.0	53.6	5.23	-1.73	0.04	0.0	6.40e-03	-1.93
288	107	-2.22	6.69e-03	9.62e-05	-3.13	0.0	6.67	1.30	0.04	0.0	-0.02	-2.36
		-2.51	-0.02	7.67e-06	0.0	53.6	6.67	-1.84	0.04	0.0	6.69e-03	-2.51
288	109	-6.33	8.53e-03	2.47e-04	-3.13	0.0	13.48	1.10	0.05	0.0	-0.02	-6.62
		-6.62	-0.02	7.52e-05	0.0	53.6	13.48	-2.03	0.05	0.0	8.53e-03	-6.62
288	119	-0.95	8.54e-03	4.70e-05	-3.13	0.0	4.46	2.13	0.05	0.0	-0.02	-1.11
		-1.21	-0.02	-4.89e-05	0.0	53.6	4.46	-1.00	0.05	0.0	8.54e-03	-1.21
288	129	-7.81	7.21e-03	2.99e-04	-3.13	0.0	14.33	2.36	0.05	0.0	-0.02	-8.37
		-8.37	-0.02	6.41e-05	0.0	53.6	14.33	-0.77	0.05	0.0	7.21e-03	-8.37
288	130	3.65	6.17e-03	-1.07e-04	-3.13	0.0	-0.99	0.23	0.04	0.0	-0.01	3.65
		2.82	-0.01	-4.87e-05	0.0	53.6	-0.99	-2.91	0.04	0.0	6.17e-03	2.82
288	133	-7.48	6.21e-03	2.86e-04	-3.13	0.0	14.97	1.89	0.04	0.0	-0.01	-7.85
		-7.85	-0.01	-8.29e-06	0.0	53.6	14.97	-1.25	0.04	0.0	6.21e-03	-7.85
288	134	3.15	7.17e-03	-9.41e-05	-3.13	0.0	-1.63	0.70	0.05	0.0	-0.02	3.13
		2.56	-0.02	2.36e-05	0.0	53.6	-1.63	-2.43	0.05	0.0	7.17e-03	2.56
288	141	-6.85	8.76e-03	2.66e-04	-3.13	0.0	14.35	1.08	0.06	0.0	-0.02	-7.16
		-7.16	-0.02	8.43e-05	0.0	53.6	14.35	-2.05	0.06	0.0	8.76e-03	-7.16
288	151	-0.77	8.77e-03	4.03e-05	-3.13	0.0	4.15	2.23	0.06	0.0	-0.02	-0.94
		-1.03	-0.02	-6.14e-05	0.0	53.6	4.15	-0.90	0.06	0.0	8.77e-03	-1.03
288	161	-8.49	7.28e-03	3.25e-04	-3.13	0.0	15.30	2.50	0.05	0.0	-0.02	-9.13
		-9.13	-0.02	7.21e-05	0.0	53.6	15.30	-0.64	0.05	0.0	7.28e-03	-9.13
288	162	4.41	6.10e-03	-1.33e-04	-3.13	0.0	-1.97	0.09	0.04	0.0	-0.01	4.41
		3.50	-0.01	-5.68e-05	0.0	53.6	-1.97	-3.04	0.04	0.0	6.10e-03	3.50
288	165	-8.13	6.15e-03	3.10e-04	-3.13	0.0	16.00	1.96	0.04	0.0	-0.01	-8.53
		-8.53	-0.01	-9.45e-06	0.0	53.6	16.00	-1.18	0.04	0.0	6.15e-03	-8.53
288	166	3.83	7.23e-03	-1.18e-04	-3.13	0.0	-2.67	0.63	0.05	0.0	-0.02	3.81
		3.19	-0.02	2.48e-05	0.0	53.6	-2.67	-2.50	0.05	0.0	7.23e-03	3.19
288	173	-6.83	8.73e-03	2.65e-04	-3.13	0.0	14.36	1.12	0.06	0.0	-0.02	-7.12
		-7.12	-0.02	1.06e-04	0.0	53.6	14.36	-2.01	0.06	0.0	8.73e-03	-7.12
288	176	-3.72	8.72e-03	1.54e-04	-3.13	0.0	9.95	0.47	0.06	0.0	-0.02	-3.85
		-4.03	-0.02	1.05e-04	0.0	53.6	9.95	-2.66	0.06	0.0	8.72e-03	-4.03
288	193	-8.48	7.29e-03	3.25e-04	-3.13	0.0	15.31	2.50	0.05	0.0	-0.02	-9.10
		-9.10	-0.02	7.96e-05	0.0	53.6	15.31	-0.64	0.05	0.0	7.29e-03	-9.10
288	194	4.38	6.09e-03	-1.32e-04	-3.13	0.0	-1.98	0.09	0.04	0.0	-0.01	4.38
		3.48	-0.01	-6.42e-05	0.0	53.6	-1.98	-3.04	0.04	0.0	6.09e-03	3.48
288	197	-8.01	6.16e-03	3.06e-04	-3.13	0.0	15.86	1.94	0.04	0.0	-0.01	-8.41
		-8.41	-0.01	5.14e-06	0.0	53.6	15.86	-1.19	0.04	0.0	6.16e-03	-8.41
288	198	3.70	7.23e-03	-1.14e-04	-3.13	0.0	-2.53	0.65	0.05	0.0	-0.02	3.69
		3.08	-0.02	1.02e-05	0.0	53.6	-2.53	-2.49	0.05	0.0	7.23e-03	3.08
288	205	-7.61	9.08e-03	2.94e-04	-3.13	0.0	15.72	1.12	0.06	0.0	-0.02	-7.93
		-7.93	-0.02	1.36e-04	0.0	53.6	15.72	-2.02	0.06	0.0	9.08e-03	-7.93
288	208	-4.00	9.07e-03	1.65e-04	-3.13	0.0	10.58	0.36	0.06	0.0	-0.02	-4.13
		-4.32	-0.02	1.35e-04	0.0	53.6	10.58	-2.77	0.06	0.0	9.07e-03	-4.32
288	225	-9.54	7.40e-03	3.64e-04	-3.13	0.0	16.84	2.70	0.05	0.0	-0.02	-10.27
		-10.27	-0.02	9.65e-05	0.0	53.6	16.84	-0.44	0.05	0.0	7.40e-03	-10.27
288	226	5.55	5.99e-03	-1.72e-04	-3.13	0.0	-3.50	-0.11	0.04	0.0	-0.01	5.55
		4.53	-0.01	-8.12e-05	0.0	53.6	-3.50	-3.24	0.04	0.0	5.99e-03	4.53
288	229	-8.93	6.07e-03	3.40e-04	-3.13	0.0	17.36	2.05	0.04	0.0	-0.01	-9.37
		-9.37	-0.01	1.30e-05	0.0	53.6	17.36	-1.09	0.04	0.0	6.07e-03	-9.37
288	230	4.66	7.32e-03	-1.47e-04	-3.13	0.0	-4.02	0.54	0.05	0.0	-0.02	4.65
		3.98	-0.02	2.35e-06	0.0	53.6	-4.02	-2.59	0.05	0.0	7.32e-03	3.98
289	15	-1.14	1.75e-04	9.02e-05	-4.28	0.0	3.80	0.93	-0.04	0.0	1.75e-04	-1.19
		-1.84	-0.02	1.07e-05	0.0	53.6	3.80	-3.35	-0.04	0.0	-0.02	-1.84
289	17	-1.74	1.70e-04	1.42e-04	-4.28	0.0	5.34	0.27	-0.05	0.0	1.70e-04	-1.74
		-2.74	-0.02	1.30e-05	0.0	53.6	5.34	-4.01	-0.05	0.0	-0.02	-2.74
289	19	-0.66	1.45e-04	5.17e-05	-2.93	0.0	2.54	0.69	-0.03	0.0	1.45e-04	-0.71
		-1.12	-0.02	7.81e-06	0.0	53.6	2.54	-2.24	-0.03	0.0	-0.02	-1.12
289	28	-2.95	1.09e-04	2.38e-04	-6.15	0.0	7.16	0.48	-0.04	0.0	1.09e-04	-2.96
		-4.35	-0.02	1.40e-05	0.0	53.6	7.16	-5.66	-0.04	0.0	-0.02	-4.35
289	72	-0.90	1.35e-04	7.01e-05	-3.13	0.0	2.88	0.67	-0.03	0.0	1.35e-04	-0.94
		-1.42	-0.02	8.06e-06	0.0	53.6	2.88	-2.47	-0.03	0.0	-0.02	-1.42
289	74	-1.30	1.32e-04	1.04e-04	-3.13	0.0	3.90	0.23	-0.03	0.0	1.32e-04	-1.30
		-2.02	-0.02	9.60e-06	0.0	53.6	3.90	-2.91	-0.03	0.0	-0.02	-2.02
289	80	-2.10	9.10e-05	1.68e-04	-4.38	0.0	5.12	0.37	-0.03	0.0	9.10e-05	-2.11
		-3.09	-0.02	1.03e-05	0.0	53.6	5.12	-4.01	-0.03	0.0	-0.02	-3.09
289	98	-1.66	1.18e-04	1.32e-04	-3.13	0.0	4.32	0.11	-0.03	0.0	1.18e-04	-1.66

		-2.45	-0.02	9.68e-06	0.0	53.6	4.32	-3.03	-0.03	0.0	-0.02	-2.45
289	102	-1.20	1.24e-04	9.20e-05	-3.13	0.0	3.21	0.57	-0.03	0.0	1.24e-04	-1.23
		-1.76	-0.02	8.13e-06	0.0	53.6	3.21	-2.56	-0.03	0.0	-0.02	-1.76
289	103	-1.54	1.21e-04	1.21e-04	-3.13	0.0	4.09	0.20	-0.03	0.0	1.21e-04	-1.54
		-2.28	-0.02	9.45e-06	0.0	53.6	4.09	-2.94	-0.03	0.0	-0.02	-2.28
289	106	-1.27	1.22e-04	9.75e-05	-3.13	0.0	3.30	0.55	-0.03	0.0	1.22e-04	-1.30
		-1.85	-0.02	8.14e-06	0.0	53.6	3.30	-2.59	-0.03	0.0	-0.02	-1.85
289	107	-1.61	1.19e-04	1.27e-04	-3.13	0.0	4.17	0.17	-0.03	0.0	1.19e-04	-1.61
		-2.36	-0.02	9.46e-06	0.0	53.6	4.17	-2.96	-0.03	0.0	-0.02	-2.36
289	109	-5.28	-6.56e-04	3.32e-04	-3.13	0.0	8.86	-1.23	-0.02	0.0	-6.56e-04	-5.28
		-6.62	-0.02	6.67e-05	0.0	53.6	8.86	-4.36	-0.02	0.0	-0.02	-6.62
289	127	-5.67	1.58e-03	3.25e-04	-3.13	0.0	7.98	-0.34	-0.04	0.0	1.58e-03	-5.67
		-6.72	-0.02	3.59e-05	0.0	53.6	7.98	-3.48	-0.04	0.0	-0.02	-6.72
289	129	-7.05	9.37e-04	4.06e-04	-3.13	0.0	9.82	-0.98	-0.03	0.0	9.37e-04	-7.05
		-8.37	-0.02	6.45e-05	0.0	53.6	9.82	-4.11	-0.03	0.0	-0.02	-8.37
289	130	3.96	-7.00e-04	-1.52e-04	-3.13	0.0	-1.47	1.32	-0.03	0.0	-7.00e-04	3.83
		3.65	-0.01	-4.56e-05	0.0	53.6	-1.47	-1.81	-0.03	0.0	-0.01	3.65
289	133	-6.32	2.01e-04	3.88e-04	-3.13	0.0	9.96	-1.39	-0.02	0.0	2.01e-04	-6.32
		-7.85	-0.01	-1.40e-05	0.0	53.6	9.96	-4.53	-0.02	0.0	-0.01	-7.85
289	134	3.32	3.61e-05	-1.34e-04	-3.13	0.0	-1.62	1.74	-0.04	0.0	3.61e-05	3.10
		3.10	-0.02	3.29e-05	0.0	53.6	-1.62	-1.40	-0.04	0.0	-0.02	3.13
289	141	-5.74	-7.52e-04	3.58e-04	-3.13	0.0	9.45	-1.41	-0.02	0.0	-7.52e-04	-5.74
		-7.16	-0.02	7.45e-05	0.0	53.6	9.45	-4.54	-0.02	0.0	-0.02	-7.16
289	159	-6.18	1.76e-03	3.50e-04	-3.13	0.0	8.46	-0.41	-0.04	0.0	1.76e-03	-6.18
		-7.26	-0.02	3.85e-05	0.0	53.6	8.46	-3.54	-0.04	0.0	-0.02	-7.26
289	161	-7.74	1.04e-03	4.42e-04	-3.13	0.0	10.53	-1.13	-0.03	0.0	1.04e-03	-7.74
		-9.13	-0.02	7.24e-05	0.0	53.6	10.53	-4.26	-0.03	0.0	-0.02	-9.13
289	162	4.67	-8.05e-04	-1.88e-04	-3.13	0.0	-2.19	1.47	-0.03	0.0	-8.05e-04	4.51
		4.41	-0.01	-5.35e-05	0.0	53.6	-2.19	-1.66	-0.03	0.0	-0.01	4.41
289	165	-6.91	2.09e-04	4.21e-04	-3.13	0.0	10.68	-1.59	-0.02	0.0	2.09e-04	-6.91
		-8.53	-0.01	-1.62e-05	0.0	53.6	10.68	-4.72	-0.02	0.0	-0.01	-8.53
289	166	3.96	2.81e-05	-1.67e-04	-3.13	0.0	-2.34	1.93	-0.04	0.0	2.81e-05	3.68
		3.68	-0.02	3.51e-05	0.0	53.6	-2.34	-1.20	-0.04	0.0	-0.02	3.81
289	176	-2.77	-1.17e-03	2.04e-04	-3.13	0.0	6.26	-0.71	-0.02	0.0	-1.17e-03	-2.77
		-3.85	-0.02	9.58e-05	0.0	53.6	6.26	-3.85	-0.02	0.0	-0.02	-3.85
289	189	-7.63	1.01e-03	4.38e-04	-3.13	0.0	10.63	-1.18	-0.03	0.0	1.01e-03	-7.63
		-9.04	-0.02	6.98e-05	0.0	53.6	10.63	-4.32	-0.03	0.0	-0.02	-9.04
289	190	4.58	-7.73e-04	-1.84e-04	-3.13	0.0	-2.29	1.52	-0.03	0.0	-7.73e-04	4.41
		4.32	-0.01	-5.09e-05	0.0	53.6	-2.29	-1.61	-0.03	0.0	-0.01	4.32
289	191	-6.14	1.71e-03	3.48e-04	-3.13	0.0	8.42	-0.41	-0.04	0.0	1.71e-03	-6.14
		-7.22	-0.02	2.41e-05	0.0	53.6	8.42	-3.54	-0.04	0.0	-0.02	-7.22
289	193	-7.70	1.06e-03	4.41e-04	-3.13	0.0	10.53	-1.14	-0.03	0.0	1.06e-03	-7.70
		-9.10	-0.02	8.01e-05	0.0	53.6	10.53	-4.27	-0.03	0.0	-0.02	-9.10
289	194	4.64	-8.23e-04	-1.87e-04	-3.13	0.0	-2.19	1.48	-0.03	0.0	-8.23e-04	4.47
		4.38	-0.01	-6.11e-05	0.0	53.6	-2.19	-1.65	-0.03	0.0	-0.01	4.38
289	208	-2.97	-1.34e-03	2.19e-04	-3.13	0.0	6.67	-0.88	-0.02	0.0	-1.34e-03	-2.97
		-4.13	-0.02	1.24e-04	0.0	53.6	6.67	-4.01	-0.02	0.0	-0.02	-4.13
289	221	-8.64	1.16e-03	4.91e-04	-3.13	0.0	11.73	-1.42	-0.03	0.0	1.16e-03	-8.64
		-10.16	-0.02	8.10e-05	0.0	53.6	11.73	-4.55	-0.03	0.0	-0.02	-10.16
289	222	5.64	-9.27e-04	-2.37e-04	-3.13	0.0	-3.39	1.76	-0.02	0.0	-9.27e-04	5.41
		5.41	-0.01	-6.21e-05	0.0	53.6	-3.39	-1.37	-0.02	0.0	-0.01	5.44
289	223	-6.90	1.96e-03	3.85e-04	-3.13	0.0	9.13	-0.51	-0.04	0.0	1.96e-03	-6.90
		-8.03	-0.02	1.86e-05	0.0	53.6	9.13	-3.64	-0.04	0.0	-0.02	-8.03
289	225	-8.74	1.22e-03	4.96e-04	-3.13	0.0	11.65	-1.38	-0.03	0.0	1.22e-03	-8.74
		-10.27	-0.02	9.70e-05	0.0	53.6	11.65	-4.51	-0.03	0.0	-0.02	-10.27
289	226	5.74	-9.87e-04	-2.42e-04	-3.13	0.0	-3.31	1.72	-0.02	0.0	-9.87e-04	5.52
		5.52	-0.01	-7.81e-05	0.0	53.6	-3.31	-1.41	-0.02	0.0	-0.01	5.55
290	15	-0.26	1.75e-04	1.07e-04	-4.44	0.0	4.02	0.58	6.39e-03	0.0	-3.38e-03	-0.28
		-1.19	-3.38e-03	1.10e-05	0.0	55.7	4.02	-3.87	6.39e-03	0.0	1.75e-04	-1.19
290	19	-0.11	1.45e-04	6.15e-05	-3.04	0.0	2.70	0.49	5.34e-03	0.0	-2.83e-03	-0.13
		-0.71	-2.83e-03	8.03e-06	0.0	55.7	2.70	-2.55	5.34e-03	0.0	1.45e-04	-0.71
290	20	-0.04	1.04e-04	7.08e-05	-4.97	0.0	2.95	1.24	4.74e-03	0.0	-2.53e-03	-0.12
		-0.81	-2.53e-03	8.51e-06	0.0	55.7	2.95	-3.73	4.74e-03	0.0	1.04e-04	-0.81
290	28	-0.92	1.09e-04	2.82e-04	-6.38	0.0	7.41	-0.48	3.65e-03	0.0	-1.92e-03	-0.92
		-2.96	-1.92e-03	1.44e-05	0.0	55.7	7.41	-6.85	3.65e-03	0.0	1.09e-04	-2.96
290	72	-0.23	1.35e-04	8.35e-05	-3.25	0.0	3.05	0.39	4.82e-03	0.0	-2.55e-03	-0.25
		-0.94	-2.55e-03	8.29e-06	0.0	55.7	3.05	-2.87	4.82e-03	0.0	1.35e-04	-0.94
290	73	-0.19	1.08e-04	8.97e-05	-4.54	0.0	3.22	0.89	4.42e-03	0.0	-2.36e-03	-0.24
		-1.01	-2.36e-03	8.62e-06	0.0	55.7	3.22	-3.66	4.42e-03	0.0	1.08e-04	-1.01
290	80	-0.67	9.10e-05	2.00e-04	-4.54	0.0	5.31	-0.32	3.00e-03	0.0	-1.58e-03	-0.67
		-2.11	-1.58e-03	1.06e-05	0.0	55.7	5.31	-4.86	3.00e-03	0.0	9.10e-05	-2.11
290	98	-0.52	1.18e-04	1.57e-04	-3.25	0.0	4.49	-0.43	3.74e-03	0.0	-1.97e-03	-0.52
		-1.66	-1.97e-03	9.98e-06	0.0	55.7	4.49	-3.69	3.74e-03	0.0	1.18e-04	-1.66
290	102	-0.42	1.24e-04	1.10e-04	-3.25	0.0	3.38	0.18	4.10e-03	0.0	-2.16e-03	-0.42
		-1.23	-2.16e-03	8.37e-06	0.0	55.7	3.38	-3.07	4.10e-03	0.0	1.24e-04	-1.23

290	105	-0.56	1.19e-04	1.58e-04	-3.25	0.0	4.41	-0.40	3.68e-03	0.0	-1.93e-03	-0.56
		-1.69	-1.93e-03	9.62e-06	0.0	55.7	4.41	-3.65	3.68e-03	0.0	1.19e-04	-1.69
290	106	-0.46	1.22e-04	1.17e-04	-3.25	0.0	3.46	0.13	3.92e-03	0.0	-2.06e-03	-0.46
		-1.30	-2.06e-03	8.39e-06	0.0	55.7	3.46	-3.13	3.92e-03	0.0	1.22e-04	-1.30
290	107	-0.51	1.19e-04	1.51e-04	-3.25	0.0	4.34	-0.35	3.77e-03	0.0	-1.98e-03	-0.51
		-1.61	-1.98e-03	9.75e-06	0.0	55.7	4.34	-3.61	3.77e-03	0.0	1.19e-04	-1.61
290	108	1.93	5.45e-03	2.26e-04	-3.25	0.0	6.11	-1.47	-0.01	0.0	5.45e-03	1.93
		-2.44	-1.33e-03	3.07e-05	0.0	55.7	6.11	-4.72	-0.01	0.0	-1.33e-03	-2.44
290	111	-0.78	1.57e-03	7.62e-05	-3.25	0.0	2.57	0.76	0.02	0.0	-9.41e-03	-2.95
		-2.95	-9.41e-03	-1.12e-05	0.0	55.7	2.57	-2.49	0.02	0.0	1.57e-03	-0.78
290	125	-3.35	9.10e-04	5.11e-04	-3.25	0.0	10.98	-3.56	0.01	0.0	-5.36e-03	-3.35
		-7.02	-5.36e-03	6.53e-05	0.0	55.7	10.98	-6.81	0.01	0.0	9.10e-04	-7.02
290	126	3.79	1.40e-03	-2.09e-04	-3.25	0.0	-2.29	2.85	-3.71e-03	0.0	1.40e-03	2.33
		2.33	-6.72e-04	-4.58e-05	0.0	55.7	-2.29	-0.40	-3.71e-03	0.0	-6.72e-04	3.79
290	129	-4.24	9.37e-04	5.13e-04	-3.25	0.0	10.88	-3.53	0.01	0.0	-5.54e-03	-4.24
		-7.05	-5.54e-03	6.49e-05	0.0	55.7	10.88	-6.78	0.01	0.0	9.37e-04	-7.05
290	130	3.85	1.58e-03	-2.10e-04	-3.25	0.0	-2.20	2.82	-4.08e-03	0.0	1.58e-03	3.22
		3.22	-7.00e-04	-4.54e-05	0.0	55.7	-2.20	-0.43	-4.08e-03	0.0	-7.00e-04	3.83
290	140	2.23	6.37e-03	2.36e-04	-3.25	0.0	6.34	-1.61	-0.01	0.0	6.37e-03	2.23
		-2.54	-1.51e-03	3.44e-05	0.0	55.7	6.34	-4.86	-0.01	0.0	-1.51e-03	-2.54
290	143	-0.68	1.75e-03	6.66e-05	-3.25	0.0	2.35	0.90	0.02	0.0	-0.01	-3.25
		-3.25	-0.01	-1.49e-05	0.0	55.7	2.35	-2.35	0.02	0.0	1.75e-03	-0.68
290	157	-3.71	1.01e-03	5.56e-04	-3.25	0.0	11.81	-3.97	0.01	0.0	-5.78e-03	-3.71
		-7.69	-5.78e-03	7.20e-05	0.0	55.7	11.81	-7.22	0.01	0.0	1.01e-03	-7.69
290	158	4.47	1.82e-03	-2.54e-04	-3.25	0.0	-3.13	3.26	-4.64e-03	0.0	1.82e-03	2.69
		2.69	-7.71e-04	-5.25e-05	0.0	55.7	-3.13	5.06e-03	-4.64e-03	0.0	-7.71e-04	4.47
290	161	-4.70	1.04e-03	5.58e-04	-3.25	0.0	11.71	-3.93	0.01	0.0	-5.99e-03	-4.70
		-7.74	-5.99e-03	7.29e-05	0.0	55.7	11.71	-7.18	0.01	0.0	1.04e-03	-7.74
290	162	4.51	2.03e-03	-2.56e-04	-3.25	0.0	-3.03	3.22	-5.10e-03	0.0	2.03e-03	3.68
		3.68	-8.05e-04	-5.34e-05	0.0	55.7	-3.03	-0.03	-5.10e-03	0.0	-8.05e-04	4.51
290	172	2.14	5.86e-03	2.36e-04	-3.25	0.0	6.36	-1.63	-0.01	0.0	5.86e-03	2.14
		-2.51	-1.42e-03	6.22e-05	0.0	55.7	6.36	-4.88	-0.01	0.0	-1.42e-03	-2.51
290	175	-0.71	1.66e-03	6.67e-05	-3.25	0.0	2.33	0.92	0.02	0.0	-9.82e-03	-3.16
		-3.16	-9.82e-03	-4.27e-05	0.0	55.7	2.33	-2.33	0.02	0.0	1.66e-03	-0.71
290	189	-3.69	1.01e-03	5.53e-04	-3.25	0.0	11.77	-3.95	0.01	0.0	-5.79e-03	-3.69
		-7.63	-5.79e-03	7.27e-05	0.0	55.7	11.77	-7.20	0.01	0.0	1.01e-03	-7.63
290	190	4.41	1.83e-03	-2.51e-04	-3.25	0.0	-3.09	3.24	-4.68e-03	0.0	1.83e-03	2.68
		2.68	-7.73e-04	-5.32e-05	0.0	55.7	-3.09	-0.01	-4.68e-03	0.0	-7.73e-04	4.41
290	193	-4.65	1.06e-03	5.57e-04	-3.25	0.0	11.70	-3.93	0.01	0.0	-6.08e-03	-4.65
		-7.70	-6.08e-03	8.09e-05	0.0	55.7	11.70	-7.19	0.01	0.0	1.06e-03	-7.70
290	194	4.47	2.12e-03	-2.55e-04	-3.25	0.0	-3.02	3.23	-5.28e-03	0.0	2.12e-03	3.63
		3.63	-8.23e-04	-6.14e-05	0.0	55.7	-3.02	-0.03	-5.28e-03	0.0	-8.23e-04	4.47
290	204	2.55	6.93e-03	2.51e-04	-3.25	0.0	6.73	-1.87	-0.02	0.0	6.93e-03	2.55
		-2.66	-1.63e-03	8.79e-05	0.0	55.7	6.73	-5.12	-0.02	0.0	-1.63e-03	-2.66
290	207	-0.56	1.87e-03	5.14e-05	-3.25	0.0	1.95	1.16	0.02	0.0	-0.01	-3.57
		-3.57	-0.01	-6.84e-05	0.0	55.7	1.95	-2.09	0.02	0.0	1.87e-03	-0.56
290	221	-4.23	1.16e-03	6.21e-04	-3.25	0.0	13.03	-4.56	0.01	0.0	-6.45e-03	-4.23
		-8.64	-6.45e-03	8.47e-05	0.0	55.7	13.03	-7.82	0.01	0.0	1.16e-03	-8.64
290	222	5.41	2.49e-03	-3.19e-04	-3.25	0.0	-4.35	3.86	-6.14e-03	0.0	2.49e-03	3.21
		3.21	-9.27e-04	-6.52e-05	0.0	55.7	-4.35	0.60	-6.14e-03	0.0	-9.27e-04	5.41
290	225	-5.35	1.22e-03	6.28e-04	-3.25	0.0	12.98	-4.57	0.01	0.0	-6.79e-03	-5.35
		-8.74	-6.79e-03	9.82e-05	0.0	55.7	12.98	-7.82	0.01	0.0	1.22e-03	-8.74
290	226	5.52	2.83e-03	-3.25e-04	-3.25	0.0	-4.30	3.86	-6.86e-03	0.0	2.83e-03	4.33
		4.33	-9.87e-04	-7.87e-05	0.0	55.7	-4.30	0.61	-6.86e-03	0.0	-9.87e-04	5.52
291	11	0.78	-8.97e-04	1.95e-04	-8.31	0.0	2.93	2.21	-2.63e-03	0.0	-8.97e-04	0.62
		-0.46	-2.36e-03	1.47e-05	0.0	55.7	2.93	-6.10	-2.63e-03	0.0	-2.36e-03	-0.46
291	15	0.38	-1.67e-03	1.01e-04	-4.44	0.0	1.87	1.21	-3.07e-03	0.0	-1.67e-03	0.29
		-0.28	-3.38e-03	1.14e-05	0.0	55.7	1.87	-3.24	-3.07e-03	0.0	-3.38e-03	-0.28
291	19	0.27	-1.44e-03	5.68e-05	-3.04	0.0	1.24	0.93	-2.48e-03	0.0	-1.44e-03	0.19
		-0.13	-2.83e-03	8.36e-06	0.0	55.7	1.24	-2.11	-2.48e-03	0.0	-2.83e-03	-0.13
291	28	0.51	-7.21e-04	2.76e-04	-6.38	0.0	3.51	0.65	-2.16e-03	0.0	-7.21e-04	0.49
		-0.92	-1.92e-03	1.47e-05	0.0	55.7	3.51	-5.72	-2.16e-03	0.0	-1.92e-03	-0.92
291	36	0.38	-1.72e-04	1.58e-04	-6.91	0.0	2.04	1.86	-1.99e-03	0.0	-1.72e-04	0.24
		-0.65	-1.28e-03	8.69e-06	0.0	55.7	2.04	-5.05	-1.99e-03	0.0	-1.28e-03	-0.65
291	43	0.28	-8.91e-04	2.65e-04	-4.44	0.0	3.23	-0.15	-2.21e-03	0.0	-8.91e-04	0.28
		-1.04	-2.12e-03	1.28e-05	0.0	55.7	3.23	-4.59	-2.21e-03	0.0	-2.12e-03	-1.04
291	71	0.52	-7.35e-04	1.42e-04	-5.83	0.0	2.14	1.50	-2.04e-03	0.0	-7.35e-04	0.42
		-0.37	-1.87e-03	1.08e-05	0.0	55.7	2.14	-4.33	-2.04e-03	0.0	-1.87e-03	-0.37
291	72	0.25	-1.25e-03	7.96e-05	-3.25	0.0	1.43	0.83	-2.33e-03	0.0	-1.25e-03	0.19
		-0.25	-2.55e-03	8.59e-06	0.0	55.7	1.43	-2.42	-2.33e-03	0.0	-2.55e-03	-0.25
291	80	0.35	-6.18e-04	1.96e-04	-4.54	0.0	2.53	0.47	-1.73e-03	0.0	-6.18e-04	0.33
		-0.67	-1.58e-03	1.08e-05	0.0	55.7	2.53	-4.08	-1.73e-03	0.0	-1.58e-03	-0.67
291	81	0.33	-4.04e-04	1.47e-04	-5.83	0.0	1.96	1.45	-2.00e-03	0.0	-4.04e-04	0.22
		-0.59	-1.52e-03	8.81e-06	0.0	55.7	1.96	-4.38	-2.00e-03	0.0	-1.52e-03	-0.59
291	87	0.19	-7.32e-04	1.89e-04	-3.25	0.0	2.34	-0.07	-1.76e-03	0.0	-7.32e-04	0.19

		-0.75	-1.71e-03	9.52e-06	0.0	55.7	2.34	-3.32	-1.76e-03	0.0	-1.71e-03	-0.75
291	98	0.27	-9.27e-04	1.54e-04	-3.25	0.0	2.13	0.22	-1.87e-03	0.0	-9.27e-04	0.27
		-0.52	-1.97e-03	1.02e-05	0.0	55.7	2.13	-3.03	-1.87e-03	0.0	-1.97e-03	-0.52
291	99	0.21	-8.36e-04	1.17e-04	-3.77	0.0	1.71	0.74	-2.06e-03	0.0	-8.36e-04	0.17
		-0.46	-1.98e-03	8.75e-06	0.0	55.7	1.71	-3.02	-2.06e-03	0.0	-1.98e-03	-0.46
291	101	0.29	-8.46e-04	1.50e-04	-3.77	0.0	2.10	0.48	-1.90e-03	0.0	-8.46e-04	0.27
		-0.51	-1.90e-03	1.01e-05	0.0	55.7	2.10	-3.29	-1.90e-03	0.0	-1.90e-03	-0.51
291	102	0.19	-9.82e-04	1.08e-04	-3.25	0.0	1.63	0.59	-2.11e-03	0.0	-9.82e-04	0.16
		-0.42	-2.16e-03	8.62e-06	0.0	55.7	1.63	-2.67	-2.11e-03	0.0	-2.16e-03	-0.42
291	105	0.24	-8.86e-04	1.55e-04	-3.25	0.0	2.11	0.20	-1.87e-03	0.0	-8.86e-04	0.24
		-0.56	-1.93e-03	9.85e-06	0.0	55.7	2.11	-3.05	-1.87e-03	0.0	-1.93e-03	-0.56
291	106	0.17	-9.15e-04	1.15e-04	-3.25	0.0	1.68	0.52	-2.06e-03	0.0	-9.15e-04	0.15
		-0.46	-2.06e-03	8.63e-06	0.0	55.7	1.68	-2.73	-2.06e-03	0.0	-2.06e-03	-0.46
291	107	0.26	-9.25e-04	1.48e-04	-3.25	0.0	2.07	0.26	-1.89e-03	0.0	-9.25e-04	0.25
		-0.51	-1.98e-03	9.98e-06	0.0	55.7	2.07	-2.99	-1.89e-03	0.0	-1.98e-03	-0.51
291	108	2.07	5.45e-03	2.23e-04	-3.25	0.0	2.87	-0.60	9.47e-03	0.0	1.33e-03	1.75
		1.75	1.33e-03	1.62e-05	0.0	55.7	2.87	-3.85	9.47e-03	0.0	5.45e-03	1.93
291	111	-1.25	-3.18e-03	7.30e-05	-3.25	0.0	1.27	1.12	-0.01	0.0	-3.18e-03	-1.25
		-2.95	-9.41e-03	3.81e-06	0.0	55.7	1.27	-2.13	-0.01	0.0	-9.41e-03	-2.95
291	125	-0.96	-2.67e-03	5.48e-04	-3.25	0.0	5.75	-3.50	-4.46e-03	0.0	-2.67e-03	-0.96
		-3.35	-5.36e-03	6.57e-05	0.0	55.7	5.75	-6.75	-4.46e-03	0.0	-5.36e-03	-3.35
291	126	2.33	1.40e-03	-2.52e-04	-3.25	0.0	-1.62	4.02	6.67e-04	0.0	8.23e-04	1.46
		1.46	8.23e-04	-4.58e-05	0.0	55.7	-1.62	0.77	6.67e-04	0.0	1.40e-03	2.33
291	129	-1.02	-2.56e-03	5.50e-04	-3.25	0.0	5.72	-3.49	-5.41e-03	0.0	-2.56e-03	-1.02
		-4.24	-5.54e-03	6.34e-05	0.0	55.7	5.72	-6.74	-5.41e-03	0.0	-5.54e-03	-4.24
291	130	3.22	1.58e-03	-2.54e-04	-3.25	0.0	-1.59	4.01	1.62e-03	0.0	7.10e-04	1.52
		1.52	7.10e-04	-4.35e-05	0.0	55.7	-1.59	0.76	1.62e-03	0.0	1.58e-03	3.22
291	140	2.33	6.37e-03	2.33e-04	-3.25	0.0	2.97	-0.71	0.01	0.0	1.62e-03	1.93
		1.93	1.62e-03	1.79e-05	0.0	55.7	2.97	-3.97	0.01	0.0	6.37e-03	2.23
291	143	-1.43	-3.47e-03	6.34e-05	-3.25	0.0	1.16	1.24	-0.01	0.0	-3.47e-03	-1.43
		-3.25	-0.01	2.06e-06	0.0	55.7	1.16	-2.02	-0.01	0.0	-0.01	-3.25
291	157	-1.11	-2.89e-03	5.98e-04	-3.25	0.0	6.22	-3.97	-4.77e-03	0.0	-2.89e-03	-1.11
		-3.71	-5.78e-03	7.25e-05	0.0	55.7	6.22	-7.22	-4.77e-03	0.0	-5.78e-03	-3.71
291	158	2.69	1.82e-03	-3.02e-04	-3.25	0.0	-2.08	4.49	9.78e-04	0.0	1.04e-03	1.61
		1.61	1.04e-03	-5.26e-05	0.0	55.7	-2.08	1.24	9.78e-04	0.0	1.82e-03	2.69
291	161	-1.18	-2.77e-03	6.01e-04	-3.25	0.0	6.18	-3.96	-5.86e-03	0.0	-2.77e-03	-1.18
		-4.70	-5.99e-03	7.11e-05	0.0	55.7	6.18	-7.22	-5.86e-03	0.0	-5.99e-03	-4.70
291	162	3.68	2.03e-03	-3.05e-04	-3.25	0.0	-2.05	4.49	2.07e-03	0.0	9.21e-04	1.68
		1.68	9.21e-04	-5.12e-05	0.0	55.7	-2.05	1.23	2.07e-03	0.0	2.03e-03	3.68
291	172	2.24	5.86e-03	2.32e-04	-3.25	0.0	2.97	-0.73	0.01	0.0	1.57e-03	1.84
		1.84	1.57e-03	4.60e-05	0.0	55.7	2.97	-3.98	0.01	0.0	5.86e-03	2.14
291	175	-1.34	-3.42e-03	6.41e-05	-3.25	0.0	1.17	1.25	-0.01	0.0	-3.42e-03	-1.34
		-3.16	-9.82e-03	-2.60e-05	0.0	55.7	1.17	-2.00	-0.01	0.0	-9.82e-03	-3.16
291	189	-1.11	-2.89e-03	5.95e-04	-3.25	0.0	6.19	-3.94	-4.76e-03	0.0	-2.89e-03	-1.11
		-3.69	-5.79e-03	7.36e-05	0.0	55.7	6.19	-7.20	-4.76e-03	0.0	-5.79e-03	-3.69
291	190	2.68	1.83e-03	-2.98e-04	-3.25	0.0	-2.05	4.47	9.67e-04	0.0	1.04e-03	1.61
		1.61	1.04e-03	-5.36e-05	0.0	55.7	-2.05	1.21	9.67e-04	0.0	1.83e-03	2.68
291	193	-1.19	-2.80e-03	5.99e-04	-3.25	0.0	6.17	-3.96	-5.90e-03	0.0	-2.80e-03	-1.19
		-4.65	-6.08e-03	7.90e-05	0.0	55.7	6.17	-7.21	-5.90e-03	0.0	-6.08e-03	-4.65
291	194	3.63	2.12e-03	-3.03e-04	-3.25	0.0	-2.03	4.48	2.11e-03	0.0	9.55e-04	1.69
		1.69	9.55e-04	-5.90e-05	0.0	55.7	-2.03	1.23	2.11e-03	0.0	2.12e-03	3.63
291	204	2.60	6.93e-03	2.47e-04	-3.25	0.0	3.13	-0.91	0.01	0.0	1.98e-03	2.06
		2.06	1.98e-03	6.89e-05	0.0	55.7	3.13	-4.17	0.01	0.0	6.93e-03	2.55
291	207	-1.56	-3.83e-03	4.92e-05	-3.25	0.0	1.01	1.44	-0.02	0.0	-3.83e-03	-1.56
		-3.57	-0.01	-4.89e-05	0.0	55.7	1.01	-1.82	-0.02	0.0	-0.01	-3.57
291	221	-1.34	-3.22e-03	6.70e-04	-3.25	0.0	6.88	-4.66	-5.25e-03	0.0	-3.22e-03	-1.34
		-4.23	-6.45e-03	8.60e-05	0.0	55.7	6.88	-7.91	-5.25e-03	0.0	-6.45e-03	-4.23
291	222	3.21	2.49e-03	-3.73e-04	-3.25	0.0	-2.75	5.18	1.46e-03	0.0	1.37e-03	1.84
		1.84	1.37e-03	-6.60e-05	0.0	55.7	-2.75	1.93	1.46e-03	0.0	2.49e-03	3.21
291	225	-1.43	-3.13e-03	6.77e-04	-3.25	0.0	6.88	-4.69	-6.58e-03	0.0	-3.13e-03	-1.43
		-5.35	-6.79e-03	9.60e-05	0.0	55.7	6.88	-7.94	-6.58e-03	0.0	-6.79e-03	-5.35
291	226	4.33	2.83e-03	-3.81e-04	-3.25	0.0	-2.74	5.21	2.79e-03	0.0	1.28e-03	1.93
		1.93	1.28e-03	-7.60e-05	0.0	55.7	-2.74	1.96	2.79e-03	0.0	2.83e-03	4.33
292	11	0.92	5.41e-03	1.53e-04	-8.31	0.0	0.88	5.31	-0.01	0.0	5.41e-03	-0.02
		-0.02	-8.97e-04	1.48e-05	0.0	55.7	0.88	-3.00	-0.01	0.0	-8.97e-04	0.62
292	17	0.56	2.48e-03	1.26e-04	-4.44	0.0	0.71	3.18	-7.49e-03	0.0	2.48e-03	-0.07
		-0.07	-1.69e-03	1.39e-05	0.0	55.7	0.71	-1.26	-7.49e-03	0.0	-1.69e-03	0.46
292	19	0.29	-1.06e-03	4.20e-05	-3.04	0.0	0.35	2.03	-6.87e-04	0.0	-1.06e-03	-0.09
		-0.09	-1.44e-03	8.52e-06	0.0	55.7	0.35	-1.01	-6.87e-04	0.0	-1.44e-03	0.19
292	28	0.75	0.01	2.34e-04	-6.38	0.0	1.06	3.93	-0.02	0.0	0.01	0.08
		0.08	-7.21e-04	1.48e-05	0.0	55.7	1.06	-2.45	-0.02	0.0	-7.21e-04	0.49
292	44	0.69	0.01	2.35e-04	-6.38	0.0	1.03	3.68	-0.02	0.0	0.01	0.10
		0.10	-5.96e-04	1.33e-05	0.0	55.7	1.03	-2.70	-0.02	0.0	-5.96e-04	0.37
292	71	0.64	4.07e-03	1.13e-04	-5.83	0.0	0.65	3.69	-8.63e-03	0.0	4.07e-03	-0.01
		-0.01	-7.35e-04	1.09e-05	0.0	55.7	0.65	-2.14	-8.63e-03	0.0	-7.35e-04	0.42

292	72	0.31	6.71e-04	6.33e-05	-3.25	0.0	0.42	2.07	-3.45e-03	0.0	6.71e-04	-0.05
		-0.05	-1.25e-03	8.73e-06	0.0	55.7	0.42	-1.18	-3.45e-03	0.0	-1.25e-03	0.19
292	74	0.40	2.12e-03	9.49e-05	-3.25	0.0	0.53	2.27	-6.07e-03	0.0	2.12e-03	-0.04
		-0.04	-1.26e-03	1.03e-05	0.0	55.7	0.53	-0.98	-6.07e-03	0.0	-1.26e-03	0.31
292	80	0.53	8.42e-03	1.67e-04	-4.54	0.0	0.76	2.77	-0.02	0.0	8.42e-03	0.06
		0.06	-6.18e-04	1.09e-05	0.0	55.7	0.76	-1.77	-0.02	0.0	-6.18e-04	0.33
292	88	0.48	9.19e-03	1.67e-04	-4.54	0.0	0.75	2.60	-0.02	0.0	9.19e-03	0.07
		0.07	-5.35e-04	9.89e-06	0.0	55.7	0.75	-1.94	-0.02	0.0	-5.35e-04	0.25
292	98	0.39	5.39e-03	1.30e-04	-3.25	0.0	0.63	2.05	-0.01	0.0	5.39e-03	0.03
		0.03	-9.27e-04	1.03e-05	0.0	55.7	0.63	-1.20	-0.01	0.0	-9.27e-04	0.27
292	101	0.43	5.31e-03	1.26e-04	-3.77	0.0	0.63	2.33	-0.01	0.0	5.31e-03	0.03
		0.03	-8.46e-04	1.02e-05	0.0	55.7	0.63	-1.44	-0.01	0.0	-8.46e-04	0.27
292	102	0.31	3.29e-03	9.15e-05	-3.25	0.0	0.50	1.90	-7.68e-03	0.0	3.29e-03	7.29e-03
		7.29e-03	-9.82e-04	8.74e-06	0.0	55.7	0.50	-1.36	-7.68e-03	0.0	-9.82e-04	0.16
292	103	0.38	4.53e-03	1.19e-04	-3.25	0.0	0.60	2.07	-9.92e-03	0.0	4.53e-03	0.01
		0.01	-9.92e-04	1.01e-05	0.0	55.7	0.60	-1.18	-9.92e-03	0.0	-9.92e-04	0.26
292	105	0.37	5.88e-03	1.33e-04	-3.25	0.0	0.63	1.98	-0.01	0.0	5.88e-03	0.04
		0.04	-8.86e-04	9.96e-06	0.0	55.7	0.63	-1.27	-0.01	0.0	-8.86e-04	0.24
292	106	0.32	3.95e-03	9.86e-05	-3.25	0.0	0.53	1.85	-8.73e-03	0.0	3.95e-03	0.02
		0.02	-9.15e-04	8.74e-06	0.0	55.7	0.53	-1.40	-8.73e-03	0.0	-9.15e-04	0.15
292	107	0.38	5.18e-03	1.26e-04	-3.25	0.0	0.62	2.02	-0.01	0.0	5.18e-03	0.03
		0.03	-9.25e-04	1.01e-05	0.0	55.7	0.62	-1.23	-0.01	0.0	-9.25e-04	0.25
292	109	0.84	-2.06e-06	3.99e-04	-3.25	0.0	1.50	3.05	0.06	0.0	-0.04	0.08
		0.08	-0.04	3.40e-05	0.0	55.7	1.50	-0.21	0.06	0.0	-2.06e-06	0.83
292	110	0.07	0.05	-1.48e-04	-3.25	0.0	-0.26	1.00	-0.08	0.0	0.05	-0.03
		-0.33	-1.85e-03	-1.38e-05	0.0	55.7	-0.26	-2.25	-0.08	0.0	-1.85e-03	-0.33
292	124	2.08	6.20e-03	-1.79e-04	-3.25	0.0	-0.31	5.40	-0.01	0.0	6.20e-03	-9.35e-03
		-9.35e-03	1.78e-03	-4.07e-05	0.0	55.7	-0.31	2.15	-0.01	0.0	1.78e-03	2.08
292	125	0.09	-2.67e-03	5.31e-04	-3.25	0.0	1.88	-0.23	0.03	0.0	-0.02	0.09
		-0.96	-0.02	6.57e-05	0.0	55.7	1.88	-3.48	0.03	0.0	-2.67e-03	-0.96
292	126	1.46	0.03	-2.79e-04	-3.25	0.0	-0.64	4.28	-0.05	0.0	0.03	-0.03
		-0.03	8.23e-04	-4.55e-05	0.0	55.7	-0.64	1.03	-0.05	0.0	8.23e-04	1.46
292	127	0.07	4.17e-03	4.31e-04	-3.25	0.0	1.55	-1.35	-9.95e-03	0.0	4.17e-03	0.07
		-1.58	-3.63e-03	6.09e-05	0.0	55.7	1.55	-4.60	-9.95e-03	0.0	-3.63e-03	-1.58
292	141	0.91	1.14e-04	4.34e-04	-3.25	0.0	1.61	3.17	0.07	0.0	-0.04	0.09
		0.09	-0.04	3.77e-05	0.0	55.7	1.61	-0.08	0.07	0.0	1.14e-04	0.91
292	142	0.04	0.05	-1.82e-04	-3.25	0.0	-0.37	0.88	-0.09	0.0	0.05	-0.03
		-0.41	-1.96e-03	-1.75e-05	0.0	55.7	-0.37	-2.38	-0.09	0.0	-1.96e-03	-0.41
292	156	2.31	6.38e-03	-2.18e-04	-3.25	0.0	-0.43	5.82	-0.01	0.0	6.38e-03	-0.01
		-0.01	2.12e-03	-4.65e-05	0.0	55.7	-0.43	2.57	-0.01	0.0	2.12e-03	2.31
292	157	0.10	-2.89e-03	5.82e-04	-3.25	0.0	2.04	-0.51	0.04	0.0	-0.02	0.10
		-1.11	-0.02	7.25e-05	0.0	55.7	2.04	-3.76	0.04	0.0	-2.89e-03	-1.11
292	158	1.61	0.03	-3.30e-04	-3.25	0.0	-0.80	4.56	-0.06	0.0	0.03	-0.04
		-0.04	1.04e-03	-5.23e-05	0.0	55.7	-0.80	1.31	-0.06	0.0	1.04e-03	1.61
292	159	0.07	3.99e-03	4.69e-04	-3.25	0.0	1.67	-1.77	-9.73e-03	0.0	3.99e-03	0.07
		-1.81	-3.97e-03	6.67e-05	0.0	55.7	1.67	-5.02	-9.73e-03	0.0	-3.97e-03	-1.81
292	173	0.84	7.86e-05	4.29e-04	-3.25	0.0	1.59	3.03	0.07	0.0	-0.04	0.09
		0.09	-0.04	6.18e-05	0.0	55.7	1.59	-0.22	0.07	0.0	7.86e-05	0.83
292	174	0.07	0.05	-1.78e-04	-3.25	0.0	-0.35	1.02	-0.09	0.0	0.05	-0.03
		-0.33	-1.93e-03	-4.16e-05	0.0	55.7	-0.35	-2.23	-0.09	0.0	-1.93e-03	-0.33
292	188	2.26	6.79e-03	-2.15e-04	-3.25	0.0	-0.42	5.73	-0.01	0.0	6.79e-03	-0.01
		-0.01	2.09e-03	-3.22e-05	0.0	55.7	-0.42	2.48	-0.01	0.0	2.09e-03	2.26
292	189	0.10	-2.89e-03	5.77e-04	-3.25	0.0	2.02	-0.52	0.04	0.0	-0.02	0.10
		-1.11	-0.02	7.39e-05	0.0	55.7	2.02	-3.77	0.04	0.0	-2.89e-03	-1.11
292	190	1.61	0.03	-3.26e-04	-3.25	0.0	-0.79	4.56	-0.06	0.0	0.03	-0.04
		-0.04	1.04e-03	-5.37e-05	0.0	55.7	-0.79	1.31	-0.06	0.0	1.04e-03	1.61
292	191	0.07	3.58e-03	4.66e-04	-3.25	0.0	1.66	-1.68	-9.07e-03	0.0	3.58e-03	0.07
		-1.76	-3.94e-03	5.24e-05	0.0	55.7	1.66	-4.93	-9.07e-03	0.0	-3.94e-03	-1.76
292	205	0.89	2.39e-04	4.79e-04	-3.25	0.0	1.75	3.13	0.08	0.0	-0.05	0.10
		0.10	-0.05	8.56e-05	0.0	55.7	1.75	-0.13	0.08	0.0	2.39e-04	0.89
292	206	0.04	0.06	-2.28e-04	-3.25	0.0	-0.52	0.92	-0.11	0.0	0.06	-0.05
		-0.39	-2.09e-03	-6.54e-05	0.0	55.7	-0.52	-2.33	-0.11	0.0	-2.09e-03	-0.39
292	220	2.58	7.40e-03	-2.72e-04	-3.25	0.0	-0.60	6.32	-0.01	0.0	7.40e-03	-0.02
		-0.02	2.59e-03	-3.17e-05	0.0	55.7	-0.60	3.06	-0.01	0.0	2.59e-03	2.58
292	223	0.08	2.97e-03	5.24e-04	-3.25	0.0	1.83	-2.27	-8.18e-03	0.0	2.97e-03	0.08
		-2.08	-4.44e-03	5.19e-05	0.0	55.7	1.83	-5.52	-8.18e-03	0.0	-4.44e-03	-2.08
292	225	0.11	-3.13e-03	6.62e-04	-3.25	0.0	2.26	-1.10	0.04	0.0	-0.02	0.11
		-1.43	-0.02	9.26e-05	0.0	55.7	2.26	-4.35	0.04	0.0	-3.13e-03	-1.43
292	226	1.93	0.03	-4.10e-04	-3.25	0.0	-1.02	5.15	-0.06	0.0	0.03	-0.05
		-0.05	1.28e-03	-7.24e-05	0.0	55.7	-1.02	1.90	-0.06	0.0	1.28e-03	1.93
293	12	0.32	0.0	2.03e-05	-13.14	0.0	0.29	9.19	6.51e-03	0.0	-3.49e-03	-1.41
		-1.41	-3.49e-03	6.70e-06	0.0	53.6	0.29	-3.95	6.51e-03	0.0	0.0	0.0
293	18	0.06	0.0	3.52e-05	-12.04	0.0	0.54	10.35	0.01	0.0	-5.72e-03	-2.32
		-2.32	-5.72e-03	1.02e-05	0.0	53.6	0.54	-1.70	0.01	0.0	0.0	0.0
293	19	0.05	0.0	1.24e-05	-5.65	0.0	-0.17	4.59	8.08e-03	0.0	-4.33e-03	-0.95

		-0.95	-4.33e-03	5.46e-06	0.0	53.6	-0.17	-1.05	8.08e-03	0.0	0.0	0.0
293	28	3.12e-03	0.0	6.31e-05	-12.04	0.0	2.14	11.58	4.76e-03	0.0	-2.55e-03	-2.98
		-2.98	-2.55e-03	1.16e-05	0.0	53.6	2.14	-0.47	4.76e-03	0.0	0.0	0.0
293	44	0.02	0.0	6.41e-05	-12.04	0.0	2.19	11.21	3.15e-03	0.0	-1.69e-03	-2.78
		-2.78	-1.69e-03	1.06e-05	0.0	53.6	2.19	-0.84	3.15e-03	0.0	0.0	0.0
293	45	6.44e-04	0.0	4.14e-05	-5.65	0.0	1.48	5.45	5.67e-04	0.0	-3.04e-04	-1.41
		-1.41	-3.04e-04	5.82e-06	0.0	53.6	1.48	-0.20	5.67e-04	0.0	0.0	0.0
293	69	0.21	0.0	2.36e-05	-11.06	0.0	0.54	8.14	5.55e-03	0.0	-2.98e-03	-1.40
		-1.40	-2.98e-03	6.74e-06	0.0	53.6	0.54	-2.92	5.55e-03	0.0	0.0	0.0
293	72	0.04	0.0	1.84e-05	-6.06	0.0	0.24	5.07	6.60e-03	0.0	-3.54e-03	-1.09
		-1.09	-3.54e-03	5.92e-06	0.0	53.6	0.24	-0.99	6.60e-03	0.0	0.0	0.0
293	75	0.04	0.0	2.65e-05	-8.56	0.0	0.47	7.39	7.49e-03	0.0	-4.02e-03	-1.67
		-1.67	-4.02e-03	7.56e-06	0.0	53.6	0.47	-1.17	7.49e-03	0.0	0.0	0.0
293	80	2.87e-03	0.0	4.51e-05	-8.56	0.0	1.54	8.21	3.56e-03	0.0	-1.91e-03	-2.11
		-2.11	-1.91e-03	8.50e-06	0.0	53.6	1.54	-0.35	3.56e-03	0.0	0.0	0.0
293	85	7.68e-03	0.0	3.77e-05	-6.06	0.0	1.34	5.64	1.59e-03	0.0	-8.52e-04	-1.40
		-1.40	-8.52e-04	6.16e-06	0.0	53.6	1.34	-0.42	1.59e-03	0.0	0.0	0.0
293	88	0.01	0.0	4.58e-05	-8.56	0.0	1.57	7.96	2.49e-03	0.0	-1.33e-03	-1.97
		-1.97	-1.33e-03	7.80e-06	0.0	53.6	1.57	-0.60	2.49e-03	0.0	0.0	0.0
293	98	0.0	0.0	3.54e-05	-6.06	0.0	1.23	6.20	4.21e-03	0.0	-2.26e-03	-1.70
		-1.70	-2.26e-03	7.80e-06	0.0	53.6	1.23	0.14	4.21e-03	0.0	0.0	0.0
293	99	0.05	0.0	2.83e-05	-7.06	0.0	1.00	5.95	3.47e-03	0.0	-1.86e-03	-1.30
		-1.30	-1.86e-03	6.58e-06	0.0	53.6	1.00	-1.11	3.47e-03	0.0	0.0	0.0
293	102	0.03	0.0	2.61e-05	-6.06	0.0	0.85	5.30	4.06e-03	0.0	-2.18e-03	-1.22
		-1.22	-2.18e-03	6.35e-06	0.0	53.6	0.85	-0.76	4.06e-03	0.0	0.0	0.0
293	103	0.0	0.0	3.24e-05	-6.06	0.0	1.05	6.02	4.73e-03	0.0	-2.54e-03	-1.60
		-1.60	-2.54e-03	7.50e-06	0.0	53.6	1.05	-0.04	4.73e-03	0.0	0.0	0.0
293	104	0.02	0.0	2.99e-05	-6.06	0.0	1.07	5.42	3.05e-03	0.0	-1.64e-03	-1.28
		-1.28	-1.64e-03	6.40e-06	0.0	53.6	1.07	-0.65	3.05e-03	0.0	0.0	0.0
293	105	0.0	0.0	3.63e-05	-6.06	0.0	1.27	6.14	3.73e-03	0.0	-2.00e-03	-1.67
		-1.67	-2.00e-03	7.55e-06	0.0	53.6	1.27	0.07	3.73e-03	0.0	0.0	0.0
293	106	0.02	0.0	2.80e-05	-6.06	0.0	1.00	5.36	3.42e-03	0.0	-1.84e-03	-1.25
		-1.25	-1.84e-03	6.46e-06	0.0	53.6	1.00	-0.70	3.42e-03	0.0	0.0	0.0
293	107	0.0	0.0	3.44e-05	-6.06	0.0	1.20	6.08	4.10e-03	0.0	-2.20e-03	-1.64
		-1.64	-2.20e-03	7.61e-06	0.0	53.6	1.20	0.02	4.10e-03	0.0	0.0	0.0
293	108	2.18e-03	0.0	1.78e-05	-6.06	0.0	0.06	5.81	0.12	0.0	-0.07	-1.49
		-1.49	-0.07	8.25e-05	0.0	53.6	0.06	-0.25	0.12	0.0	0.0	0.0
293	111	0.0	0.06	5.09e-05	-6.06	0.0	2.34	6.35	-0.12	0.0	0.06	-1.78
		-1.78	0.0	-6.73e-05	0.0	53.6	2.34	0.29	-0.12	0.0	0.0	0.0
293	129	0.0	0.01	9.61e-05	-6.06	0.0	3.25	9.12	-0.02	0.0	0.01	-3.26
		-3.26	0.0	6.86e-05	0.0	53.6	3.25	3.05	-0.02	0.0	0.0	0.0
293	130	0.40	0.0	-2.77e-05	-6.06	0.0	-0.85	3.04	0.03	0.0	-0.02	-6.55e-03
		-6.55e-03	-0.02	-5.34e-05	0.0	53.6	-0.85	-3.02	0.03	0.0	0.0	0.0
293	140	3.29e-03	0.0	1.58e-05	-6.06	0.0	-0.08	5.78	0.14	0.0	-0.07	-1.47
		-1.47	-0.07	9.29e-05	0.0	53.6	-0.08	-0.29	0.14	0.0	0.0	0.0
293	143	0.0	0.07	5.30e-05	-6.06	0.0	2.48	6.38	-0.13	0.0	0.07	-1.80
		-1.80	0.0	-7.77e-05	0.0	53.6	2.48	0.32	-0.13	0.0	0.0	0.0
293	161	0.0	0.01	1.04e-04	-6.06	0.0	3.50	9.50	-0.02	0.0	0.01	-3.47
		-3.47	0.0	7.71e-05	0.0	53.6	3.50	3.43	-0.02	0.0	0.0	0.0
293	162	0.51	0.0	-3.51e-05	-6.06	0.0	-1.10	2.66	0.03	0.0	-0.02	0.20
		0.0	-0.02	-6.19e-05	0.0	53.6	-1.10	-3.40	0.03	0.0	0.0	0.0
293	172	3.31e-03	0.0	1.68e-05	-6.06	0.0	-0.04	5.78	0.13	0.0	-0.07	-1.47
		-1.47	-0.07	1.18e-04	0.0	53.6	-0.04	-0.29	0.13	0.0	0.0	0.0
293	175	0.0	0.07	5.20e-05	-6.06	0.0	2.44	6.38	-0.13	0.0	0.07	-1.80
		-1.80	0.0	-1.02e-04	0.0	53.6	2.44	0.32	-0.13	0.0	0.0	0.0
293	193	0.0	0.01	1.03e-04	-6.06	0.0	3.47	9.46	-0.02	0.0	0.01	-3.45
		-3.45	0.0	8.31e-05	0.0	53.6	3.47	3.39	-0.02	0.0	0.0	0.0
293	194	0.50	0.0	-3.45e-05	-6.06	0.0	-1.07	2.70	0.03	0.0	-0.02	0.18
		0.0	-0.02	-6.79e-05	0.0	53.6	-1.07	-3.36	0.03	0.0	0.0	0.0
293	204	4.98e-03	0.0	1.43e-05	-6.06	0.0	-0.23	5.73	0.15	0.0	-0.08	-1.45
		-1.45	-0.08	1.51e-04	0.0	53.6	-0.23	-0.34	0.15	0.0	0.0	0.0
293	207	0.0	0.08	5.45e-05	-6.06	0.0	2.63	6.43	-0.14	0.0	0.08	-1.83
		-1.83	0.0	-1.36e-04	0.0	53.6	2.63	0.37	-0.14	0.0	0.0	0.0
293	225	0.0	0.01	1.15e-04	-6.06	0.0	3.85	10.02	-0.03	0.0	0.01	-3.75
		-3.75	0.0	9.96e-05	0.0	53.6	3.85	3.95	-0.03	0.0	0.0	0.0
293	226	0.68	0.0	-4.60e-05	-6.06	0.0	-1.45	2.14	0.04	0.0	-0.02	0.48
		0.0	-0.02	-8.44e-05	0.0	53.6	-1.45	-3.92	0.04	0.0	0.0	0.0
294	4	-2.58	-6.27e-04	7.81e-05	-12.04	0.0	4.86	9.74	-8.10e-03	0.0	-6.27e-04	-4.69
		-4.69	-4.97e-03	1.20e-05	0.0	53.6	4.86	-2.31	-8.10e-03	0.0	-4.97e-03	-2.70
294	18	-2.14	-7.37e-04	6.27e-05	-12.04	0.0	4.46	9.17	-9.29e-03	0.0	-7.37e-04	-4.01
		-4.01	-5.72e-03	1.09e-05	0.0	53.6	4.46	-2.87	-9.29e-03	0.0	-5.72e-03	-2.32
294	19	-0.84	-4.58e-04	2.33e-05	-5.65	0.0	2.48	4.12	-7.22e-03	0.0	-4.58e-04	-1.65
		-1.65	-4.33e-03	5.95e-06	0.0	53.6	2.48	-1.52	-7.22e-03	0.0	-4.33e-03	-0.95
294	28	-2.91	-8.41e-05	9.81e-05	-12.04	0.0	4.69	10.23	-4.60e-03	0.0	-8.41e-05	-5.23
		-5.23	-2.55e-03	1.19e-05	0.0	53.6	4.69	-1.82	-4.60e-03	0.0	-2.55e-03	-2.98

294	45	-1.39	4.46e-04	5.67e-05	-5.65	0.0	2.19	4.94	-1.40e-03	0.0	4.46e-04	-2.54
		-2.54	-3.04e-04	5.86e-06	0.0	53.6	2.19	-0.71	-1.40e-03	0.0	-3.04e-04	-1.41
294	68	-1.84	-4.02e-04	5.64e-05	-8.56	0.0	3.52	6.94	-5.81e-03	0.0	-4.02e-04	-3.35
		-3.35	-3.52e-03	8.75e-06	0.0	53.6	3.52	-1.62	-5.81e-03	0.0	-3.52e-03	-1.92
294	72	-0.99	-3.13e-04	3.08e-05	-6.06	0.0	2.55	4.56	-6.01e-03	0.0	-3.13e-04	-1.91
		-1.91	-3.54e-03	6.32e-06	0.0	53.6	2.55	-1.51	-6.01e-03	0.0	-3.54e-03	-1.09
294	75	-1.54	-4.75e-04	4.61e-05	-8.56	0.0	3.25	6.56	-6.61e-03	0.0	-4.75e-04	-2.89
		-2.89	-4.02e-03	8.01e-06	0.0	53.6	3.25	-2.00	-6.61e-03	0.0	-4.02e-03	-1.67
294	80	-2.06	-4.01e-05	6.97e-05	-8.56	0.0	3.40	7.26	-3.48e-03	0.0	-4.01e-05	-3.71
		-3.71	-1.91e-03	8.71e-06	0.0	53.6	3.40	-1.30	-3.48e-03	0.0	-1.91e-03	-2.11
294	85	-1.36	2.90e-04	5.30e-05	-6.06	0.0	2.36	5.10	-2.13e-03	0.0	2.90e-04	-2.51
		-2.51	-8.52e-04	6.26e-06	0.0	53.6	2.36	-0.96	-2.13e-03	0.0	-8.52e-04	-1.40
294	98	-1.68	-1.19e-04	5.55e-05	-6.06	0.0	3.18	5.45	-3.99e-03	0.0	-1.19e-04	-3.00
		-3.00	-2.26e-03	8.05e-06	0.0	53.6	3.18	-0.61	-3.99e-03	0.0	-2.26e-03	-1.70
294	102	-1.15	-4.72e-05	3.97e-05	-6.06	0.0	2.52	4.78	-3.97e-03	0.0	-4.72e-05	-2.15
		-2.15	-2.18e-03	6.60e-06	0.0	53.6	2.52	-1.29	-3.97e-03	0.0	-2.18e-03	-1.22
294	103	-1.58	-1.66e-04	5.13e-05	-6.06	0.0	3.09	5.31	-4.42e-03	0.0	-1.66e-04	-2.83
		-2.83	-2.54e-03	7.79e-06	0.0	53.6	3.09	-0.75	-4.42e-03	0.0	-2.54e-03	-1.60
294	104	-1.22	7.34e-05	4.41e-05	-6.06	0.0	2.49	4.89	-3.19e-03	0.0	7.34e-05	-2.27
		-2.27	-1.64e-03	6.59e-06	0.0	53.6	2.49	-1.18	-3.19e-03	0.0	-1.64e-03	-1.28
294	106	-1.18	1.92e-05	4.19e-05	-6.06	0.0	2.52	4.83	-3.46e-03	0.0	1.92e-05	-2.21
		-2.21	-1.84e-03	6.67e-06	0.0	53.6	2.52	-1.23	-3.46e-03	0.0	-1.84e-03	-1.25
294	107	-1.61	-9.92e-05	5.35e-05	-6.06	0.0	3.08	5.36	-3.91e-03	0.0	-9.92e-05	-2.89
		-2.89	-2.20e-03	7.86e-06	0.0	53.6	3.08	-0.70	-3.91e-03	0.0	-2.20e-03	-1.64
294	108	-1.44	-7.55e-03	4.40e-05	-6.06	0.0	2.02	5.03	-0.09	0.0	-7.55e-03	-2.56
		-2.56	-0.07	7.78e-05	0.0	53.6	2.02	-1.04	-0.09	0.0	-0.07	-1.49
294	111	-1.78	0.06	6.31e-05	-6.06	0.0	4.14	5.70	0.08	0.0	7.36e-03	-3.22
		-3.22	7.36e-03	-6.21e-05	0.0	53.6	4.14	-0.36	0.08	0.0	0.06	-1.78
294	124	0.38	-5.69e-03	-1.66e-05	-6.06	0.0	0.89	2.43	4.30e-03	0.0	-5.69e-03	0.12
		-0.20	-0.04	2.31e-06	0.0	53.6	0.89	-3.63	4.30e-03	0.0	-0.04	-0.20
294	127	-3.07	0.04	1.20e-04	-6.06	0.0	5.27	8.29	-0.01	0.0	5.49e-03	-5.89
		-5.89	5.49e-03	1.34e-05	0.0	53.6	5.27	2.23	-0.01	0.0	0.04	-3.07
294	129	-3.26	0.01	1.28e-04	-6.06	0.0	5.03	8.66	-0.06	0.0	2.44e-03	-6.28
		-6.28	2.44e-03	6.69e-05	0.0	53.6	5.03	2.60	-0.06	0.0	0.01	-3.26
294	130	0.70	-2.64e-03	-2.23e-05	-6.06	0.0	1.13	2.06	0.05	0.0	-2.64e-03	0.51
		-6.55e-03	-0.02	-5.12e-05	0.0	53.6	1.13	-4.00	0.05	0.0	-0.02	-6.55e-03
294	140	-1.42	-8.49e-03	4.28e-05	-6.06	0.0	1.89	4.98	-0.10	0.0	-8.49e-03	-2.52
		-2.52	-0.07	8.76e-05	0.0	53.6	1.89	-1.08	-0.10	0.0	-0.07	-1.47
294	143	-1.79	0.07	6.43e-05	-6.06	0.0	4.27	5.74	0.09	0.0	8.29e-03	-3.26
		-3.26	8.29e-03	-7.19e-05	0.0	53.6	4.27	-0.32	0.09	0.0	0.07	-1.80
294	156	0.68	-6.38e-03	-2.31e-05	-6.06	0.0	0.62	2.07	5.23e-03	0.0	-6.38e-03	0.50
		-0.02	-0.05	2.53e-06	0.0	53.6	0.62	-4.00	5.23e-03	0.0	-0.05	-0.02
294	159	-3.25	0.04	1.29e-04	-6.06	0.0	5.54	8.66	-0.01	0.0	6.18e-03	-6.27
		-6.27	6.18e-03	1.32e-05	0.0	53.6	5.54	2.60	-0.01	0.0	0.04	-3.25
294	161	-3.47	0.01	1.37e-04	-6.06	0.0	5.27	9.07	-0.06	0.0	2.76e-03	-6.71
		-6.71	2.76e-03	7.52e-05	0.0	53.6	5.27	3.01	-0.06	0.0	0.01	-3.47
294	162	1.06	-2.96e-03	-3.04e-05	-6.06	0.0	0.89	1.65	0.06	0.0	-2.96e-03	0.94
		0.20	-0.02	-5.95e-05	0.0	53.6	0.89	-4.41	0.06	0.0	-0.02	0.20
294	172	-1.42	-8.11e-03	4.26e-05	-6.06	0.0	1.94	4.97	-0.09	0.0	-8.11e-03	-2.51
		-2.51	-0.07	1.13e-04	0.0	53.6	1.94	-1.09	-0.09	0.0	-0.07	-1.47
294	175	-1.79	0.07	6.44e-05	-6.06	0.0	4.22	5.75	0.09	0.0	7.91e-03	-3.26
		-3.26	7.91e-03	-9.70e-05	0.0	53.6	4.22	-0.31	0.09	0.0	0.07	-1.80
294	188	0.65	-6.17e-03	-2.24e-05	-6.06	0.0	0.66	2.11	4.57e-03	0.0	-6.17e-03	0.45
		-0.04	-0.05	1.71e-05	0.0	53.6	0.66	-3.96	4.57e-03	0.0	-0.05	-0.04
294	191	-3.23	0.04	1.28e-04	-6.06	0.0	5.50	8.62	-0.01	0.0	5.97e-03	-6.23
		-6.23	5.97e-03	-1.39e-06	0.0	53.6	5.50	2.56	-0.01	0.0	0.04	-3.23
294	193	-3.45	0.01	1.36e-04	-6.06	0.0	5.26	9.03	-0.06	0.0	2.79e-03	-6.66
		-6.66	2.79e-03	8.18e-05	0.0	53.6	5.26	2.96	-0.06	0.0	0.01	-3.45
294	194	1.02	-2.98e-03	-2.95e-05	-6.06	0.0	0.91	1.70	0.05	0.0	-2.98e-03	0.89
		0.18	-0.02	-6.61e-05	0.0	53.6	0.91	-4.36	0.05	0.0	-0.02	0.18
294	204	-1.39	-9.30e-03	4.08e-05	-6.06	0.0	1.77	4.91	-0.11	0.0	-9.30e-03	-2.45
		-2.45	-0.08	1.46e-04	0.0	53.6	1.77	-1.16	-0.11	0.0	-0.08	-1.45
294	207	-1.82	0.08	6.63e-05	-6.06	0.0	4.39	5.82	0.10	0.0	9.10e-03	-3.32
		-3.32	9.10e-03	-1.30e-04	0.0	53.6	4.39	-0.24	0.10	0.0	0.08	-1.83
294	220	1.11	-7.10e-03	-3.32e-05	-6.06	0.0	0.27	1.57	5.76e-03	0.0	-7.10e-03	1.00
		0.22	-0.05	2.71e-05	0.0	53.6	0.27	-4.49	5.76e-03	0.0	-0.05	0.22
294	223	-3.49	0.05	1.40e-04	-6.06	0.0	5.89	9.16	-0.01	0.0	6.90e-03	-6.78
		-6.78	6.90e-03	-1.14e-05	0.0	53.6	5.89	3.09	-0.01	0.0	0.05	-3.49
294	225	-3.75	0.01	1.50e-04	-6.06	0.0	5.61	9.63	-0.07	0.0	3.27e-03	-7.29
		-7.29	3.27e-03	9.85e-05	0.0	53.6	5.61	3.57	-0.07	0.0	0.01	-3.75
294	226	1.57	-3.47e-03	-4.28e-05	-6.06	0.0	0.55	1.09	0.06	0.0	-3.47e-03	1.52
		0.48	-0.02	-8.27e-05	0.0	53.6	0.55	-4.97	0.06	0.0	-0.02	0.48
295	19	-1.43	-4.58e-04	4.17e-05	-5.65	0.0	1.19	3.51	5.89e-04	0.0	-7.74e-04	-2.01
		-2.01	-7.74e-04	5.98e-06	0.0	53.6	1.19	-2.14	5.89e-04	0.0	-4.58e-04	-1.65
295	28	-4.92	-8.41e-05	1.59e-04	-12.04	0.0	3.18	8.30	2.55e-03	0.0	-1.45e-03	-6.45

		-6.45	-1.45e-03	1.19e-05	0.0	53.6	3.18	-3.75	2.55e-03	0.0	-8.41e-05	-5.23
295	41	-3.25	4.12e-04	1.11e-04	-8.30	0.0	2.23	5.84	3.73e-03	0.0	-1.59e-03	-4.35
		-4.35	-1.59e-03	8.19e-06	0.0	53.6	2.23	-2.46	3.73e-03	0.0	4.12e-04	-3.44
295	45	-2.44	4.46e-04	8.49e-05	-5.65	0.0	1.63	4.12	3.22e-03	0.0	-1.28e-03	-3.24
		-3.24	-1.28e-03	5.80e-06	0.0	53.6	1.63	-1.52	3.22e-03	0.0	4.46e-04	-2.54
295	72	-1.70	-3.13e-04	5.22e-05	-6.06	0.0	1.37	3.86	1.03e-03	0.0	-8.65e-04	-2.36
		-2.36	-8.65e-04	6.34e-06	0.0	53.6	1.37	-2.21	1.03e-03	0.0	-3.13e-04	-1.91
295	80	-3.49	-4.01e-05	1.12e-04	-8.56	0.0	2.29	5.91	1.99e-03	0.0	-1.11e-03	-4.58
		-4.58	-1.11e-03	8.71e-06	0.0	53.6	2.29	-2.65	1.99e-03	0.0	-4.01e-05	-3.71
295	85	-2.37	2.90e-04	8.10e-05	-6.06	0.0	1.66	4.27	2.78e-03	0.0	-1.20e-03	-3.18
		-3.18	-1.20e-03	6.22e-06	0.0	53.6	1.66	-1.79	2.78e-03	0.0	2.90e-04	-2.51
295	98	-2.87	-1.19e-04	9.02e-05	-6.06	0.0	2.04	4.37	1.71e-03	0.0	-1.03e-03	-3.71
		-3.71	-1.03e-03	8.06e-06	0.0	53.6	2.04	-1.70	1.71e-03	0.0	-1.19e-04	-3.00
295	102	-1.97	-4.72e-05	6.37e-05	-6.06	0.0	1.55	4.02	1.80e-03	0.0	-1.01e-03	-2.69
		-2.69	-1.01e-03	6.59e-06	0.0	53.6	1.55	-2.04	1.80e-03	0.0	-4.72e-05	-2.15
295	104	-2.10	7.34e-05	6.95e-05	-6.06	0.0	1.61	4.11	2.15e-03	0.0	-1.08e-03	-2.85
		-2.85	-1.08e-03	6.57e-06	0.0	53.6	1.61	-1.96	2.15e-03	0.0	7.34e-05	-2.27
295	106	-2.04	1.92e-05	6.66e-05	-6.06	0.0	1.60	4.06	2.00e-03	0.0	-1.05e-03	-2.77
		-2.77	-1.05e-03	6.66e-06	0.0	53.6	1.60	-2.00	2.00e-03	0.0	1.92e-05	-2.21
295	107	-2.75	-9.92e-05	8.69e-05	-6.06	0.0	1.98	4.32	1.75e-03	0.0	-1.04e-03	-3.58
		-3.58	-1.04e-03	7.86e-06	0.0	53.6	1.98	-1.74	1.75e-03	0.0	-9.92e-05	-2.89
295	108	-2.37	9.91e-04	7.54e-05	-6.06	0.0	1.13	3.04	-0.02	0.0	9.91e-04	-3.08
		-3.08	-7.55e-03	6.63e-05	0.0	53.6	1.13	-3.02	-0.02	0.0	-7.55e-03	-2.56
295	111	-3.13	7.36e-03	9.83e-05	-6.06	0.0	2.82	5.60	0.02	0.0	-3.06e-03	-4.08
		-4.08	-3.06e-03	-5.05e-05	0.0	53.6	2.82	-0.46	0.02	0.0	7.36e-03	-3.22
295	124	0.91	1.01e-03	-1.51e-05	-6.06	0.0	0.17	1.55	-0.01	0.0	1.01e-03	0.76
		0.12	-5.69e-03	-4.42e-06	0.0	53.6	0.17	-4.51	-0.01	0.0	-5.69e-03	0.12
295	127	-5.89	5.49e-03	1.84e-04	-6.06	0.0	3.79	7.10	0.02	0.0	-3.09e-03	-7.92
		-7.92	-3.09e-03	2.01e-05	0.0	53.6	3.79	1.04	0.02	0.0	5.49e-03	-5.89
295	129	-6.28	2.44e-03	1.96e-04	-6.06	0.0	3.60	7.11	8.88e-03	0.0	-2.34e-03	-8.47
		-8.47	-2.34e-03	6.58e-05	0.0	53.6	3.60	1.04	8.88e-03	0.0	2.44e-03	-6.28
295	130	1.42	2.65e-04	-2.42e-05	-6.06	0.0	0.36	1.54	-5.39e-03	0.0	2.65e-04	1.31
		0.51	-2.64e-03	-5.01e-05	0.0	53.6	0.36	-4.52	-5.39e-03	0.0	-2.64e-03	0.51
295	140	-2.32	1.24e-03	7.40e-05	-6.06	0.0	1.02	2.89	-0.02	0.0	1.24e-03	-3.02
		-3.02	-8.49e-03	7.46e-05	0.0	53.6	1.02	-3.18	-0.02	0.0	-8.49e-03	-2.52
295	143	-3.17	8.29e-03	9.97e-05	-6.06	0.0	2.93	5.76	0.02	0.0	-3.32e-03	-4.14
		-4.14	-3.32e-03	-5.89e-05	0.0	53.6	2.93	-0.30	0.02	0.0	8.29e-03	-3.26
295	156	1.41	1.27e-03	-2.42e-05	-6.06	0.0	-0.06	1.20	-0.01	0.0	1.27e-03	1.30
		0.50	-6.38e-03	-5.10e-06	0.0	53.6	-0.06	-4.86	-0.01	0.0	-6.38e-03	0.50
295	159	-6.27	6.18e-03	1.96e-04	-6.06	0.0	4.01	7.45	0.02	0.0	-3.34e-03	-8.46
		-8.46	-3.34e-03	2.08e-05	0.0	53.6	4.01	1.38	0.02	0.0	6.18e-03	-6.27
295	161	-6.71	2.76e-03	2.10e-04	-6.06	0.0	3.80	7.45	9.79e-03	0.0	-2.50e-03	-9.08
		-9.08	-2.50e-03	7.41e-05	0.0	53.6	3.80	1.39	9.79e-03	0.0	2.76e-03	-6.71
295	162	1.98	4.29e-04	-3.63e-05	-6.06	0.0	0.16	1.19	-6.29e-03	0.0	4.29e-04	1.92
		0.94	-2.96e-03	-5.83e-05	0.0	53.6	0.16	-4.87	-6.29e-03	0.0	-2.96e-03	0.94
295	172	-2.32	1.11e-03	7.37e-05	-6.06	0.0	1.06	2.93	-0.02	0.0	1.11e-03	-3.01
		-3.01	-8.11e-03	1.00e-04	0.0	53.6	1.06	-3.14	-0.02	0.0	-8.11e-03	-2.51
295	175	-3.18	7.91e-03	1.00e-04	-6.06	0.0	2.89	5.72	0.02	0.0	-3.19e-03	-4.15
		-4.15	-3.19e-03	-8.46e-05	0.0	53.6	2.89	-0.34	0.02	0.0	7.91e-03	-3.26
295	188	1.35	1.20e-03	-2.31e-05	-6.06	0.0	-0.02	1.25	-0.01	0.0	1.20e-03	1.24
		0.45	-6.17e-03	9.44e-06	0.0	53.6	-0.02	-4.81	-0.01	0.0	-6.17e-03	0.45
295	191	-6.23	5.97e-03	1.95e-04	-6.06	0.0	3.98	7.40	0.02	0.0	-3.27e-03	-8.40
		-8.40	-3.27e-03	6.28e-06	0.0	53.6	3.98	1.33	0.02	0.0	5.97e-03	-6.23
295	193	-6.66	2.79e-03	2.08e-04	-6.06	0.0	3.78	7.41	9.86e-03	0.0	-2.51e-03	-9.01
		-9.01	-2.51e-03	8.11e-05	0.0	53.6	3.78	1.35	9.86e-03	0.0	2.79e-03	-6.66
295	194	1.92	4.36e-04	-3.49e-05	-6.06	0.0	0.17	1.24	-6.37e-03	0.0	4.36e-04	1.85
		0.89	-2.98e-03	-6.54e-05	0.0	53.6	0.17	-4.82	-6.37e-03	0.0	-2.98e-03	0.89
295	204	-2.24	1.41e-03	7.15e-05	-6.06	0.0	0.92	2.71	-0.02	0.0	1.41e-03	-2.91
		-2.91	-9.30e-03	1.32e-04	0.0	53.6	0.92	-3.36	-0.02	0.0	-9.30e-03	-2.45
295	207	-3.25	9.10e-03	1.02e-04	-6.06	0.0	3.03	5.94	0.02	0.0	-3.49e-03	-4.25
		-4.25	-3.49e-03	-1.16e-04	0.0	53.6	3.03	-0.12	0.02	0.0	9.10e-03	-3.32
295	220	2.09	1.55e-03	-3.91e-05	-6.06	0.0	-0.35	0.75	-0.02	0.0	1.55e-03	2.04
		1.00	-7.10e-03	1.80e-05	0.0	53.6	-0.35	-5.31	-0.02	0.0	-7.10e-03	1.00
295	223	-6.78	6.90e-03	2.13e-04	-6.06	0.0	4.30	7.90	0.02	0.0	-3.62e-03	-9.20
		-9.20	-3.62e-03	-2.29e-06	0.0	53.6	4.30	1.84	0.02	0.0	6.90e-03	-6.78
295	225	-7.29	3.27e-03	2.29e-04	-6.06	0.0	4.08	7.92	0.01	0.0	-2.76e-03	-9.91
		-9.91	-2.76e-03	9.80e-05	0.0	53.6	4.08	1.85	0.01	0.0	3.27e-03	-7.29
295	226	2.77	6.85e-04	-5.49e-05	-6.06	0.0	-0.12	0.73	-7.73e-03	0.0	6.85e-04	2.75
		1.52	-3.47e-03	-8.23e-05	0.0	53.6	-0.12	-5.33	-7.73e-03	0.0	-3.47e-03	1.52
296	19	-1.59	2.99e-03	6.56e-05	-5.65	0.0	1.67	2.67	-7.03e-03	0.0	2.99e-03	-1.93
		-2.01	-7.74e-04	6.08e-06	0.0	53.6	1.67	-2.98	-7.03e-03	0.0	-7.74e-04	-2.01
296	28	-5.53	5.10e-03	2.38e-04	-12.04	0.0	4.35	5.59	-0.01	0.0	5.10e-03	-6.22
		-6.45	-1.45e-03	1.21e-05	0.0	53.6	4.35	-6.45	-0.01	0.0	-1.45e-03	-6.45
296	41	-3.80	5.81e-03	1.63e-04	-8.30	0.0	3.06	4.18	-0.01	0.0	5.81e-03	-4.36
		-4.36	-1.59e-03	8.38e-06	0.0	53.6	3.06	-4.12	-0.01	0.0	-1.59e-03	-4.35

296	72	-1.91	3.27e-03	8.02e-05	-6.06	0.0	1.90	2.89	-7.71e-03	0.0	3.27e-03	-2.28
		-2.36	-8.65e-04	6.44e-06	0.0	53.6	1.90	-3.17	-7.71e-03	0.0	-8.65e-04	-2.36
296	80	-3.93	3.93e-03	1.68e-04	-8.56	0.0	3.14	4.01	-9.39e-03	0.0	3.93e-03	-4.43
		-4.58	-1.11e-03	8.84e-06	0.0	53.6	3.14	-4.56	-9.39e-03	0.0	-1.11e-03	-4.58
296	85	-2.78	4.40e-03	1.19e-04	-6.06	0.0	2.28	3.06	-0.01	0.0	4.40e-03	-3.19
		-3.19	-1.20e-03	6.37e-06	0.0	53.6	2.28	-3.00	-0.01	0.0	-1.20e-03	-3.18
296	98	-3.25	3.71e-03	1.36e-04	-6.06	0.0	2.78	2.83	-8.85e-03	0.0	3.71e-03	-3.61
		-3.71	-1.03e-03	8.18e-06	0.0	53.6	2.78	-3.23	-8.85e-03	0.0	-1.03e-03	-3.71
296	102	-2.26	3.75e-03	9.55e-05	-6.06	0.0	2.12	2.96	-8.89e-03	0.0	3.75e-03	-2.65
		-2.69	-1.01e-03	6.72e-06	0.0	53.6	2.12	-3.10	-8.89e-03	0.0	-1.01e-03	-2.69
296	104	-2.43	3.98e-03	1.03e-04	-6.06	0.0	2.20	2.99	-9.44e-03	0.0	3.98e-03	-2.83
		-2.85	-1.08e-03	6.70e-06	0.0	53.6	2.20	-3.07	-9.44e-03	0.0	-1.08e-03	-2.85
296	106	-2.35	3.87e-03	9.94e-05	-6.06	0.0	2.18	2.98	-9.18e-03	0.0	3.87e-03	-2.74
		-2.77	-1.05e-03	6.79e-06	0.0	53.6	2.18	-3.09	-9.18e-03	0.0	-1.05e-03	-2.77
296	107	-3.13	3.74e-03	1.31e-04	-6.06	0.0	2.69	2.85	-8.90e-03	0.0	3.74e-03	-3.48
		-3.58	-1.04e-03	7.98e-06	0.0	53.6	2.69	-3.21	-8.90e-03	0.0	-1.04e-03	-3.58
296	124	2.18	1.01e-03	-1.99e-05	-6.06	0.0	-6.11e-03	1.36	8.54e-03	0.0	-3.57e-03	2.17
		0.76	-3.57e-03	-1.17e-05	0.0	53.6	-6.11e-03	-4.70	8.54e-03	0.0	1.01e-03	0.76
296	127	-7.89	0.01	2.77e-04	-6.06	0.0	5.40	4.34	-0.03	0.0	0.01	-9.14
		-9.14	-3.09e-03	2.77e-05	0.0	53.6	5.40	-1.72	-0.03	0.0	-3.09e-03	-7.92
296	129	-8.33	8.41e-03	2.96e-04	-6.06	0.0	5.11	4.16	-0.02	0.0	8.41e-03	-9.16
		-9.16	-2.34e-03	6.49e-05	0.0	53.6	5.11	-1.90	-0.02	0.0	-2.34e-03	-8.47
296	130	2.28	2.65e-04	-3.49e-05	-6.06	0.0	0.28	1.55	2.24e-03	0.0	-9.35e-04	2.19
		1.31	-9.35e-04	-4.90e-05	0.0	53.6	0.28	-4.51	2.24e-03	0.0	2.65e-04	1.31
296	156	2.88	1.27e-03	-3.49e-05	-6.06	0.0	-0.34	1.18	0.01	0.0	-4.48e-03	2.88
		1.30	-4.48e-03	-1.34e-05	0.0	53.6	-0.34	-4.88	0.01	0.0	1.27e-03	1.30
296	159	-8.45	0.01	2.96e-04	-6.06	0.0	5.73	4.53	-0.03	0.0	0.01	-9.85
		-9.85	-3.34e-03	2.94e-05	0.0	53.6	5.73	-1.53	-0.03	0.0	-3.34e-03	-8.46
296	161	-8.97	9.00e-03	3.17e-04	-6.06	0.0	5.41	4.32	-0.02	0.0	9.00e-03	-9.87
		-9.87	-2.50e-03	7.31e-05	0.0	53.6	5.41	-1.74	-0.02	0.0	-2.50e-03	-9.08
296	162	2.96	4.29e-04	-5.53e-05	-6.06	0.0	-0.02	1.39	3.65e-03	0.0	-1.53e-03	2.90
		1.92	-1.53e-03	-5.71e-05	0.0	53.6	-0.02	-4.68	3.65e-03	0.0	4.29e-04	1.92
296	188	2.78	1.20e-03	-3.31e-05	-6.06	0.0	-0.29	1.21	0.01	0.0	-4.26e-03	2.78
		1.24	-4.26e-03	1.09e-06	0.0	53.6	-0.29	-4.85	0.01	0.0	1.20e-03	1.24
296	191	-8.39	0.01	2.94e-04	-6.06	0.0	5.68	4.50	-0.03	0.0	0.01	-9.75
		-9.75	-3.27e-03	1.49e-05	0.0	53.6	5.68	-1.56	-0.03	0.0	-3.27e-03	-8.40
296	193	-8.90	9.03e-03	3.14e-04	-6.06	0.0	5.39	4.31	-0.02	0.0	9.03e-03	-9.78
		-9.78	-2.51e-03	8.05e-05	0.0	53.6	5.39	-1.75	-0.02	0.0	-2.51e-03	-9.01
296	194	2.88	4.36e-04	-5.31e-05	-6.06	0.0	4.56e-03	1.40	3.72e-03	0.0	-1.56e-03	2.81
		1.85	-1.56e-03	-6.45e-05	0.0	53.6	4.56e-03	-4.66	3.72e-03	0.0	4.36e-04	1.85
296	220	3.81	1.55e-03	-5.93e-05	-6.06	0.0	-0.78	0.94	0.01	0.0	-5.51e-03	3.81
		2.04	-5.51e-03	8.08e-06	0.0	53.6	-0.78	-5.12	0.01	0.0	1.55e-03	2.04
296	223	-9.20	0.01	3.20e-04	-6.06	0.0	6.17	4.76	-0.03	0.0	0.01	-10.78
		-10.78	-3.62e-03	7.89e-06	0.0	53.6	6.17	-1.30	-0.03	0.0	-3.62e-03	-9.20
296	225	-9.83	9.93e-03	3.45e-04	-6.06	0.0	5.83	4.55	-0.02	0.0	9.93e-03	-10.82
		-10.82	-2.76e-03	9.76e-05	0.0	53.6	5.83	-1.51	-0.02	0.0	-2.76e-03	-9.91
296	226	3.90	6.85e-04	-8.35e-05	-6.06	0.0	-0.44	1.16	5.85e-03	0.0	-2.45e-03	3.85
		2.75	-2.45e-03	-8.16e-05	0.0	53.6	-0.44	-4.90	5.85e-03	0.0	6.85e-04	2.75
297	17	-2.74	3.87e-03	2.18e-04	-8.30	0.0	4.72	1.35	0.01	0.0	-3.76e-03	-2.80
		-4.30	-3.76e-03	1.01e-05	0.0	53.6	4.72	-6.95	0.01	0.0	3.87e-03	-4.30
297	19	-1.17	2.99e-03	9.06e-05	-5.65	0.0	2.44	1.65	0.01	0.0	-2.84e-03	-1.30
		-1.93	-2.84e-03	5.73e-06	0.0	53.6	2.44	-4.00	0.01	0.0	2.99e-03	-1.93
297	20	-1.12	2.94e-03	1.01e-04	-9.39	0.0	2.53	3.24	0.01	0.0	-2.80e-03	-1.42
		-2.20	-2.80e-03	6.21e-06	0.0	53.6	2.53	-6.16	0.01	0.0	2.94e-03	-2.20
297	28	-4.12	5.10e-03	3.20e-04	-12.04	0.0	5.80	2.32	0.02	0.0	-3.66e-03	-4.24
		-6.22	-3.66e-03	1.15e-05	0.0	53.6	5.80	-9.72	0.02	0.0	5.10e-03	-6.22
297	41	-3.12	5.81e-03	2.19e-04	-8.30	0.0	4.07	2.11	0.02	0.0	-3.59e-03	-3.27
		-4.36	-3.59e-03	7.72e-06	0.0	53.6	4.07	-6.19	0.02	0.0	5.81e-03	-4.36
297	72	-1.45	3.27e-03	1.10e-04	-6.06	0.0	2.68	1.71	0.01	0.0	-2.81e-03	-1.57
		-2.28	-2.81e-03	6.07e-06	0.0	53.6	2.68	-4.35	0.01	0.0	3.27e-03	-2.28
297	73	-1.41	3.24e-03	1.17e-04	-8.56	0.0	2.73	2.77	0.01	0.0	-2.78e-03	-1.65
		-2.46	-2.78e-03	6.38e-06	0.0	53.6	2.73	-5.79	0.01	0.0	3.24e-03	-2.46
297	74	-2.04	3.11e-03	1.59e-04	-6.06	0.0	3.47	1.05	0.01	0.0	-2.87e-03	-2.09
		-3.15	-2.87e-03	7.48e-06	0.0	53.6	3.47	-5.01	0.01	0.0	3.11e-03	-3.15
297	80	-2.96	3.93e-03	2.27e-04	-8.56	0.0	4.19	1.70	0.01	0.0	-2.81e-03	-3.05
		-4.43	-2.81e-03	8.39e-06	0.0	53.6	4.19	-6.86	0.01	0.0	3.93e-03	-4.43
297	85	-2.29	4.40e-03	1.59e-04	-6.06	0.0	3.04	1.55	0.01	0.0	-2.76e-03	-2.40
		-3.19	-2.76e-03	5.86e-06	0.0	53.6	3.04	-4.51	0.01	0.0	4.40e-03	-3.19
297	98	-2.46	3.71e-03	1.84e-04	-6.06	0.0	3.73	0.97	0.01	0.0	-2.81e-03	-2.50
		-3.61	-2.81e-03	7.76e-06	0.0	53.6	3.73	-5.09	0.01	0.0	3.71e-03	-3.61
297	102	-1.79	3.75e-03	1.30e-04	-6.06	0.0	2.89	1.65	0.01	0.0	-2.76e-03	-1.90
		-2.65	-2.76e-03	6.29e-06	0.0	53.6	2.89	-4.42	0.01	0.0	3.75e-03	-2.65
297	103	-2.29	3.62e-03	1.72e-04	-6.06	0.0	3.57	1.08	0.01	0.0	-2.81e-03	-2.35
		-3.39	-2.81e-03	7.50e-06	0.0	53.6	3.57	-4.98	0.01	0.0	3.62e-03	-3.39
297	104	-1.95	3.98e-03	1.40e-04	-6.06	0.0	2.96	1.62	0.01	0.0	-2.75e-03	-2.07

		-2.83	-2.75e-03	6.25e-06	0.0	53.6	2.96	-4.45	0.01	0.0	3.98e-03	-2.83
297	106	-1.87	3.87e-03	1.35e-04	-6.06	0.0	2.94	1.63	0.01	0.0	-2.75e-03	-1.99
		-2.74	-2.75e-03	6.34e-06	0.0	53.6	2.94	-4.43	0.01	0.0	3.87e-03	-2.74
297	107	-2.38	3.74e-03	1.77e-04	-6.06	0.0	3.62	1.06	0.01	0.0	-2.80e-03	-2.43
		-3.48	-2.80e-03	7.56e-06	0.0	53.6	3.62	-5.00	0.01	0.0	3.74e-03	-3.48
297	113	-2.70	-7.21e-04	2.80e-04	-6.06	0.0	3.82	0.42	7.62e-03	0.0	-5.55e-03	-2.74
		-3.90	-5.55e-03	4.23e-05	0.0	53.6	3.82	-5.64	7.62e-03	0.0	-7.21e-04	-3.90
297	124	3.01	-2.45e-03	-3.42e-05	-6.06	0.0	-0.32	1.60	-1.91e-03	0.0	-2.45e-03	2.88
		2.17	-3.57e-03	-1.86e-05	0.0	53.6	-0.32	-4.46	-1.91e-03	0.0	-3.57e-03	2.17
297	127	-7.73	0.01	3.87e-04	-6.06	0.0	7.56	0.52	0.03	0.0	-3.15e-03	-7.73
		-9.14	-3.15e-03	3.37e-05	0.0	53.6	7.56	-5.54	0.03	0.0	0.01	-9.14
297	129	-7.73	8.41e-03	4.13e-04	-6.06	0.0	7.13	0.32	0.02	0.0	-4.19e-03	-7.74
		-9.16	-4.19e-03	6.26e-05	0.0	53.6	7.13	-5.74	0.02	0.0	8.41e-03	-9.16
297	130	3.02	-9.35e-04	-5.97e-05	-6.06	0.0	0.11	1.81	1.83e-03	0.0	-1.41e-03	2.88
		2.19	-1.41e-03	-4.74e-05	0.0	53.6	0.11	-4.26	1.83e-03	0.0	-9.35e-04	2.19
297	145	-2.74	-1.28e-03	2.93e-04	-6.06	0.0	3.85	0.34	7.05e-03	0.0	-5.89e-03	-2.77
		-3.95	-5.89e-03	4.77e-05	0.0	53.6	3.85	-5.72	7.05e-03	0.0	-1.28e-03	-3.95
297	156	3.68	-2.40e-03	-5.96e-05	-6.06	0.0	-0.81	1.67	-3.66e-03	0.0	-2.40e-03	3.54
		2.88	-4.48e-03	-2.11e-05	0.0	53.6	-0.81	-4.39	-3.66e-03	0.0	-4.48e-03	2.88
297	159	-8.39	0.01	4.13e-04	-6.06	0.0	8.05	0.46	0.03	0.0	-3.20e-03	-8.40
		-9.85	-3.20e-03	3.62e-05	0.0	53.6	8.05	-5.61	0.03	0.0	0.01	-9.85
297	161	-8.40	9.00e-03	4.43e-04	-6.06	0.0	7.57	0.23	0.02	0.0	-4.36e-03	-8.40
		-9.87	-4.36e-03	7.05e-05	0.0	53.6	7.57	-5.84	0.02	0.0	9.00e-03	-9.87
297	162	3.69	-1.24e-03	-8.93e-05	-6.06	0.0	-0.33	1.90	5.21e-04	0.0	-1.24e-03	3.55
		2.90	-1.53e-03	-5.53e-05	0.0	53.6	-0.33	-4.16	5.21e-04	0.0	-1.53e-03	2.90
297	177	-2.78	-9.66e-04	2.91e-04	-6.06	0.0	3.89	0.35	7.53e-03	0.0	-5.83e-03	-2.81
		-3.97	-5.83e-03	7.42e-05	0.0	53.6	3.89	-5.71	7.53e-03	0.0	-9.66e-04	-3.97
297	188	3.59	-2.42e-03	-5.68e-05	-6.06	0.0	-0.74	1.66	-3.29e-03	0.0	-2.42e-03	3.44
		2.78	-4.26e-03	-6.75e-06	0.0	53.6	-0.74	-4.40	-3.29e-03	0.0	-4.26e-03	2.78
297	191	-8.30	0.01	4.10e-04	-6.06	0.0	7.98	0.47	0.03	0.0	-3.18e-03	-8.30
		-9.75	-3.18e-03	2.19e-05	0.0	53.6	7.98	-5.60	0.03	0.0	0.01	-9.75
297	193	-8.31	9.03e-03	4.40e-04	-6.06	0.0	7.53	0.24	0.02	0.0	-4.33e-03	-8.31
		-9.78	-4.33e-03	7.81e-05	0.0	53.6	7.53	-5.83	0.02	0.0	9.03e-03	-9.78
297	194	3.61	-1.27e-03	-8.60e-05	-6.06	0.0	-0.29	1.89	5.28e-04	0.0	-1.27e-03	3.46
		2.81	-1.56e-03	-6.30e-05	0.0	53.6	-0.29	-4.17	5.28e-04	0.0	-1.56e-03	2.81
297	209	-2.86	-1.61e-03	3.09e-04	-6.06	0.0	3.95	0.24	6.98e-03	0.0	-6.33e-03	-2.89
		-4.06	-6.33e-03	1.02e-04	0.0	53.6	3.95	-5.83	6.98e-03	0.0	-1.61e-03	-4.06
297	220	4.56	-2.35e-03	-9.52e-05	-6.06	0.0	-1.44	1.76	-5.75e-03	0.0	-2.35e-03	4.40
		3.81	-5.51e-03	-1.20e-06	0.0	53.6	-1.44	-4.30	-5.75e-03	0.0	-5.51e-03	3.81
297	223	-9.26	0.01	4.49e-04	-6.06	0.0	8.68	0.37	0.03	0.0	-3.25e-03	-9.26
		-10.78	-3.25e-03	1.63e-05	0.0	53.6	8.68	-5.69	0.03	0.0	0.01	-10.78
297	225	-9.28	9.93e-03	4.83e-04	-6.06	0.0	8.17	0.10	0.03	0.0	-4.60e-03	-9.28
		-10.82	-4.60e-03	9.51e-05	0.0	53.6	8.17	-5.97	0.03	0.0	9.93e-03	-10.82
297	226	4.60	-1.00e-03	-1.30e-04	-6.06	0.0	-0.93	2.03	-1.42e-03	0.0	-1.00e-03	4.43
		3.85	-2.45e-03	-8.00e-05	0.0	53.6	-0.93	-4.03	-1.42e-03	0.0	-2.45e-03	3.85
298	12	0.06	1.18e-03	1.52e-04	-13.64	0.0	2.64	4.13	-6.99e-03	0.0	1.18e-03	-0.28
		-1.78	-2.71e-03	7.43e-06	0.0	55.7	2.64	-9.51	-6.99e-03	0.0	-2.71e-03	-1.78
298	17	-0.53	1.20e-03	2.62e-04	-8.61	0.0	4.47	0.22	-8.92e-03	0.0	1.20e-03	-0.53
		-2.80	-3.76e-03	1.10e-05	0.0	55.7	4.47	-8.39	-8.92e-03	0.0	-3.76e-03	-2.80
298	19	-0.25	7.92e-04	1.10e-04	-5.86	0.0	2.34	1.16	-6.53e-03	0.0	7.92e-04	-0.32
		-1.30	-2.84e-03	6.29e-06	0.0	55.7	2.34	-4.70	-6.53e-03	0.0	-2.84e-03	-1.30
298	28	-1.10	1.90e-03	3.86e-04	-12.50	0.0	5.57	0.63	-9.99e-03	0.0	1.90e-03	-1.11
		-4.24	-3.66e-03	1.24e-05	0.0	55.7	5.57	-11.87	-9.99e-03	0.0	-3.66e-03	-4.24
298	35	-0.88	2.00e-03	3.61e-04	-16.39	0.0	5.16	2.76	-0.01	0.0	2.00e-03	-1.00
		-4.03	-3.58e-03	1.19e-05	0.0	55.7	5.16	-13.62	-0.01	0.0	-3.58e-03	-4.03
298	69	-0.19	1.20e-03	1.61e-04	-11.48	0.0	2.78	3.10	-7.05e-03	0.0	1.20e-03	-0.42
		-1.89	-2.72e-03	7.40e-06	0.0	55.7	2.78	-8.38	-7.05e-03	0.0	-2.72e-03	-1.89
298	72	-0.39	9.38e-04	1.33e-04	-6.29	0.0	2.59	1.12	-6.74e-03	0.0	9.38e-04	-0.45
		-1.57	-2.81e-03	6.63e-06	0.0	55.7	2.59	-5.17	-6.74e-03	0.0	-2.81e-03	-1.57
298	74	-0.46	9.56e-04	1.91e-04	-6.29	0.0	3.30	0.21	-6.88e-03	0.0	9.56e-04	-0.46
		-2.09	-2.87e-03	8.11e-06	0.0	55.7	3.30	-6.08	-6.88e-03	0.0	-2.87e-03	-2.09
298	80	-0.84	1.42e-03	2.74e-04	-8.88	0.0	4.03	0.49	-7.60e-03	0.0	1.42e-03	-0.84
		-3.05	-2.81e-03	9.05e-06	0.0	55.7	4.03	-8.40	-7.60e-03	0.0	-2.81e-03	-3.05
298	83	-0.69	1.49e-03	2.57e-04	-11.48	0.0	3.77	1.91	-7.62e-03	0.0	1.49e-03	-0.77
		-2.90	-2.75e-03	8.74e-06	0.0	55.7	3.77	-9.57	-7.62e-03	0.0	-2.75e-03	-2.90
298	98	-0.74	1.23e-03	2.23e-04	-6.29	0.0	3.60	-0.02	-7.25e-03	0.0	1.23e-03	-0.74
		-2.50	-2.81e-03	8.39e-06	0.0	55.7	3.60	-6.32	-7.25e-03	0.0	-2.81e-03	-2.50
298	102	-0.63	1.16e-03	1.58e-04	-6.29	0.0	2.83	0.93	-7.04e-03	0.0	1.16e-03	-0.67
		-1.90	-2.76e-03	6.86e-06	0.0	55.7	2.83	-5.36	-7.04e-03	0.0	-2.76e-03	-1.90
298	103	-0.68	1.17e-03	2.08e-04	-6.29	0.0	3.44	0.15	-7.16e-03	0.0	1.17e-03	-0.68
		-2.35	-2.81e-03	8.12e-06	0.0	55.7	3.44	-6.14	-7.16e-03	0.0	-2.81e-03	-2.35
298	105	-0.79	1.26e-03	2.21e-04	-6.29	0.0	3.53	0.06	-7.30e-03	0.0	1.26e-03	-0.79
		-2.51	-2.80e-03	8.08e-06	0.0	55.7	3.53	-6.23	-7.30e-03	0.0	-2.80e-03	-2.51
298	106	-0.69	1.21e-03	1.64e-04	-6.29	0.0	2.88	0.88	-7.12e-03	0.0	1.21e-03	-0.73
		-1.99	-2.75e-03	6.92e-06	0.0	55.7	2.88	-5.41	-7.12e-03	0.0	-2.75e-03	-1.99

298	107	-0.74	1.23e-03	2.14e-04	-6.29	0.0	3.50	0.11	-7.23e-03	0.0	1.23e-03	-0.74
		-2.43	-2.80e-03	8.18e-06	0.0	55.7	3.50	-6.19	-7.23e-03	0.0	-2.80e-03	-2.43
298	113	-0.66	2.81e-03	3.52e-04	-6.29	0.0	3.65	-1.44	-0.01	0.0	2.81e-03	-0.66
		-2.74	-5.55e-03	3.09e-05	0.0	55.7	3.65	-7.73	-0.01	0.0	-5.55e-03	-2.74
298	124	3.41	2.27e-03	-6.73e-05	-6.29	0.0	-0.91	2.56	-6.95e-03	0.0	2.27e-03	3.07
		2.88	-2.45e-03	-2.64e-05	0.0	55.7	-0.91	-3.73	-6.95e-03	0.0	-2.45e-03	2.88
298	127	-4.54	1.78e-04	4.96e-04	-6.29	0.0	7.91	-2.35	-7.51e-03	0.0	1.78e-04	-4.54
		-7.73	-3.15e-03	4.28e-05	0.0	55.7	7.91	-8.64	-7.51e-03	0.0	-3.15e-03	-7.73
298	129	-4.02	9.41e-04	5.31e-04	-6.29	0.0	7.40	-2.75	-0.01	0.0	9.41e-04	-4.02
		-7.74	-4.19e-03	6.35e-05	0.0	55.7	7.40	-9.04	-0.01	0.0	-4.19e-03	-7.74
298	137	-3.28	3.10e-03	5.05e-04	-6.29	0.0	6.70	-2.89	-0.01	0.0	3.10e-03	-3.28
		-7.07	-4.51e-03	-2.34e-05	0.0	55.7	6.70	-9.18	-0.01	0.0	-4.51e-03	-7.07
298	145	-0.65	3.00e-03	3.69e-04	-6.29	0.0	3.66	-1.63	-0.02	0.0	3.00e-03	-0.65
		-2.77	-5.89e-03	3.47e-05	0.0	55.7	3.66	-7.92	-0.02	0.0	-5.89e-03	-2.77
298	156	3.98	2.40e-03	-1.02e-04	-6.29	0.0	-1.46	2.87	-6.93e-03	0.0	2.40e-03	3.54
		3.54	-2.40e-03	-3.00e-05	0.0	55.7	-1.46	-3.42	-6.93e-03	0.0	-2.40e-03	3.54
298	159	-5.01	4.93e-05	5.31e-04	-6.29	0.0	8.46	-2.66	-7.54e-03	0.0	4.93e-05	-5.01
		-8.40	-3.20e-03	4.64e-05	0.0	55.7	8.46	-8.95	-7.54e-03	0.0	-3.20e-03	-8.40
298	161	-4.43	9.04e-04	5.70e-04	-6.29	0.0	7.89	-3.11	-0.01	0.0	9.04e-04	-4.43
		-8.40	-4.36e-03	7.15e-05	0.0	55.7	7.89	-9.40	-0.01	0.0	-4.36e-03	-8.40
298	169	-3.59	3.33e-03	5.41e-04	-6.29	0.0	7.10	-3.26	-0.01	0.0	3.33e-03	-3.59
		-7.65	-4.72e-03	-2.53e-05	0.0	55.7	7.10	-9.55	-0.01	0.0	-4.72e-03	-7.65
298	177	-0.70	2.91e-03	3.65e-04	-6.29	0.0	3.72	-1.61	-0.02	0.0	2.91e-03	-0.70
		-2.81	-5.83e-03	6.26e-05	0.0	55.7	3.72	-7.91	-0.02	0.0	-5.83e-03	-2.81
298	188	3.89	2.33e-03	-9.86e-05	-6.29	0.0	-1.37	2.83	-7.04e-03	0.0	2.33e-03	3.47
		3.44	-2.42e-03	-1.53e-05	0.0	55.7	-1.37	-3.47	-7.04e-03	0.0	-2.42e-03	3.44
298	191	-4.94	1.20e-04	5.27e-04	-6.29	0.0	8.37	-2.61	-7.42e-03	0.0	1.20e-04	-4.94
		-8.30	-3.18e-03	3.17e-05	0.0	55.7	8.37	-8.91	-7.42e-03	0.0	-3.18e-03	-8.30
298	193	-4.40	9.00e-04	5.66e-04	-6.29	0.0	7.85	-3.08	-0.01	0.0	9.00e-04	-4.40
		-8.31	-4.33e-03	7.95e-05	0.0	55.7	7.85	-9.37	-0.01	0.0	-4.33e-03	-8.31
298	201	-3.55	3.26e-03	5.35e-04	-6.29	0.0	7.04	-3.21	-0.01	0.0	3.26e-03	-3.55
		-7.54	-4.69e-03	-3.21e-06	0.0	55.7	7.04	-9.50	-0.01	0.0	-4.69e-03	-7.54
298	209	-0.73	3.15e-03	3.89e-04	-6.29	0.0	3.78	-1.91	-0.02	0.0	3.15e-03	-0.73
		-2.89	-6.33e-03	8.85e-05	0.0	55.7	3.78	-8.20	-0.02	0.0	-6.33e-03	-2.89
298	220	4.72	2.49e-03	-1.50e-04	-6.29	0.0	-2.16	3.27	-7.04e-03	0.0	2.49e-03	4.14
		4.14	-2.35e-03	-1.12e-05	0.0	55.7	-2.16	-3.02	-7.04e-03	0.0	-2.35e-03	4.40
298	223	-5.62	-3.73e-05	5.79e-04	-6.29	0.0	9.16	-3.06	-7.43e-03	0.0	-3.73e-05	-5.62
		-9.26	-3.25e-03	2.76e-05	0.0	55.7	9.16	-9.35	-7.43e-03	0.0	-3.25e-03	-9.26
298	225	-5.01	8.49e-04	6.24e-04	-6.29	0.0	8.57	-3.61	-0.01	0.0	8.49e-04	-5.01
		-9.28	-4.60e-03	9.68e-05	0.0	55.7	8.57	-9.90	-0.01	0.0	-4.60e-03	-9.28
298	233	-4.00	3.57e-03	5.87e-04	-6.29	0.0	7.61	-3.76	-0.02	0.0	3.57e-03	-4.00
		-8.36	-5.01e-03	6.99e-06	0.0	55.7	7.61	-10.05	-0.02	0.0	-5.01e-03	-8.36
299	11	1.69	3.93e-03	2.82e-04	-16.39	0.0	2.68	5.06	-4.20e-03	0.0	3.93e-03	1.25
		-0.49	1.59e-03	1.19e-05	0.0	55.7	2.68	-11.33	-4.20e-03	0.0	1.59e-03	-0.49
299	19	0.47	1.97e-03	1.03e-04	-5.86	0.0	1.45	1.79	-2.11e-03	0.0	1.97e-03	0.32
		-0.32	7.92e-04	6.20e-06	0.0	55.7	1.45	-4.07	-2.11e-03	0.0	7.92e-04	-0.32
299	28	1.11	4.28e-03	3.71e-04	-12.50	0.0	3.13	2.52	-4.28e-03	0.0	4.28e-03	0.97
		-1.11	1.90e-03	1.22e-05	0.0	55.7	3.13	-9.98	-4.28e-03	0.0	1.90e-03	-1.11
299	35	1.39	4.49e-03	3.44e-04	-16.39	0.0	2.92	4.52	-4.47e-03	0.0	4.49e-03	1.04
		-1.00	2.00e-03	1.17e-05	0.0	55.7	2.92	-11.87	-4.47e-03	0.0	2.00e-03	-1.00
299	43	0.53	4.01e-03	3.50e-04	-8.61	0.0	2.96	0.93	-3.82e-03	0.0	4.01e-03	0.50
		-1.38	1.88e-03	1.04e-05	0.0	55.7	2.96	-7.68	-3.82e-03	0.0	1.88e-03	-1.38
299	71	1.12	2.93e-03	2.05e-04	-11.48	0.0	1.99	3.47	-3.08e-03	0.0	2.93e-03	0.83
		-0.43	1.22e-03	8.73e-06	0.0	55.7	1.99	-8.00	-3.08e-03	0.0	1.22e-03	-0.43
299	72	0.45	2.19e-03	1.28e-04	-6.29	0.0	1.58	1.78	-2.25e-03	0.0	2.19e-03	0.31
		-0.45	9.38e-04	6.52e-06	0.0	55.7	1.58	-4.51	-2.25e-03	0.0	9.38e-04	-0.45
299	80	0.74	3.16e-03	2.65e-04	-8.88	0.0	2.29	1.78	-3.13e-03	0.0	3.16e-03	0.64
		-0.84	1.42e-03	8.88e-06	0.0	55.7	2.29	-7.10	-3.13e-03	0.0	1.42e-03	-0.84
299	83	0.92	3.30e-03	2.47e-04	-11.48	0.0	2.15	3.11	-3.25e-03	0.0	3.30e-03	0.69
		-0.77	1.49e-03	8.57e-06	0.0	55.7	2.15	-8.36	-3.25e-03	0.0	1.49e-03	-0.77
299	87	0.35	2.98e-03	2.50e-04	-6.29	0.0	2.18	0.72	-2.82e-03	0.0	2.98e-03	0.33
		-1.02	1.41e-03	7.73e-06	0.0	55.7	2.18	-5.57	-2.82e-03	0.0	1.41e-03	-1.02
299	98	0.49	2.72e-03	2.16e-04	-6.29	0.0	2.10	1.01	-2.68e-03	0.0	2.72e-03	0.45
		-0.74	1.23e-03	8.25e-06	0.0	55.7	2.10	-5.28	-2.68e-03	0.0	1.23e-03	-0.74
299	101	0.56	2.78e-03	2.10e-04	-7.33	0.0	2.05	1.54	-2.73e-03	0.0	2.78e-03	0.48
		-0.71	1.26e-03	8.16e-06	0.0	55.7	2.05	-5.79	-2.73e-03	0.0	1.26e-03	-0.71
299	102	0.33	2.47e-03	1.55e-04	-6.29	0.0	1.72	1.54	-2.36e-03	0.0	2.47e-03	0.22
		-0.67	1.16e-03	6.72e-06	0.0	55.7	1.72	-4.76	-2.36e-03	0.0	1.16e-03	-0.67
299	105	0.43	2.75e-03	2.15e-04	-6.29	0.0	2.06	1.02	-2.66e-03	0.0	2.75e-03	0.39
		-0.79	1.26e-03	7.93e-06	0.0	55.7	2.06	-5.27	-2.66e-03	0.0	1.26e-03	-0.79
299	106	0.30	2.54e-03	1.62e-04	-6.29	0.0	1.76	1.47	-2.39e-03	0.0	2.54e-03	0.20
		-0.73	1.21e-03	6.77e-06	0.0	55.7	1.76	-4.82	-2.39e-03	0.0	1.21e-03	-0.73
299	107	0.46	2.69e-03	2.08e-04	-6.29	0.0	2.05	1.08	-2.64e-03	0.0	2.69e-03	0.41
		-0.74	1.23e-03	8.04e-06	0.0	55.7	2.05	-5.21	-2.64e-03	0.0	1.23e-03	-0.74
299	124	3.21	2.63e-03	-1.12e-04	-6.29	0.0	-1.01	4.29	-2.63e-03	0.0	2.63e-03	2.33

		2.33	2.27e-03	-3.43e-05	0.0	55.7	-1.01	-2.00	-2.63e-03	0.0	2.27e-03	3.07
299	127	-1.50	2.75e-03	5.28e-04	-6.29	0.0	5.11	-2.13	-2.64e-03	0.0	2.75e-03	-1.50
		-4.54	1.78e-04	5.03e-05	0.0	55.7	5.11	-8.42	-2.64e-03	0.0	1.78e-04	-4.54
299	135	-0.78	5.15e-03	4.94e-04	-6.29	0.0	4.53	-2.13	-5.41e-03	0.0	5.15e-03	-0.78
		-3.80	2.34e-03	-4.44e-05	0.0	55.7	4.53	-8.42	-5.41e-03	0.0	2.34e-03	-3.80
299	138	1.97	3.39e-04	-1.17e-04	-6.29	0.0	-0.04	4.69	-1.35e-03	0.0	3.39e-04	1.13
		1.13	-6.52e-04	4.96e-05	0.0	55.7	-0.04	-1.60	-1.35e-03	0.0	-6.52e-04	1.80
299	156	3.63	2.62e-03	-1.52e-04	-6.29	0.0	-1.40	4.69	-2.62e-03	0.0	2.62e-03	2.57
		2.57	2.40e-03	-3.89e-05	0.0	55.7	-1.40	-1.60	-2.62e-03	0.0	2.40e-03	3.54
299	159	-1.74	2.76e-03	5.68e-04	-6.29	0.0	5.49	-2.53	-2.65e-03	0.0	2.76e-03	-1.74
		-5.01	4.93e-05	5.49e-05	0.0	55.7	5.49	-8.82	-2.65e-03	0.0	4.93e-05	-5.01
299	167	-0.93	5.46e-03	5.29e-04	-6.29	0.0	4.84	-2.52	-5.75e-03	0.0	5.46e-03	-0.93
		-4.18	2.48e-03	-5.08e-05	0.0	55.7	4.84	-8.82	-5.75e-03	0.0	2.48e-03	-4.18
299	170	2.23	4.94e-05	-1.57e-04	-6.29	0.0	-0.30	5.14	-1.20e-03	0.0	4.94e-05	1.22
		1.22	-8.82e-04	5.29e-05	0.0	55.7	-0.30	-1.15	-1.20e-03	0.0	-8.82e-04	2.12
299	188	3.56	2.60e-03	-1.48e-04	-6.29	0.0	-1.34	4.64	-2.63e-03	0.0	2.60e-03	2.52
		2.52	2.33e-03	-2.44e-05	0.0	55.7	-1.34	-1.66	-2.63e-03	0.0	2.33e-03	3.47
299	191	-1.69	2.78e-03	5.64e-04	-6.29	0.0	5.43	-2.47	-2.64e-03	0.0	2.78e-03	-1.69
		-4.94	1.20e-04	4.04e-05	0.0	55.7	5.43	-8.77	-2.64e-03	0.0	1.20e-04	-4.94
299	199	-0.87	5.40e-03	5.23e-04	-6.29	0.0	4.77	-2.45	-5.57e-03	0.0	5.40e-03	-0.87
		-4.09	2.48e-03	-5.17e-05	0.0	55.7	4.77	-8.74	-5.57e-03	0.0	2.48e-03	-4.09
299	202	2.19	1.31e-04	-1.50e-04	-6.29	0.0	-0.26	5.08	-1.30e-03	0.0	1.31e-04	1.21
		1.21	-8.07e-04	3.15e-05	0.0	55.7	-0.26	-1.21	-1.30e-03	0.0	-8.07e-04	2.08
299	220	4.17	2.59e-03	-2.07e-04	-6.29	0.0	-1.88	5.22	-2.64e-03	0.0	2.59e-03	2.86
		2.86	2.49e-03	-2.20e-05	0.0	55.7	-1.88	-1.08	-2.64e-03	0.0	2.49e-03	4.14
299	223	-2.03	2.80e-03	6.23e-04	-6.29	0.0	5.98	-3.05	-2.63e-03	0.0	2.80e-03	-2.03
		-5.62	-3.73e-05	3.81e-05	0.0	55.7	5.98	-9.35	-2.63e-03	0.0	-3.73e-05	-5.62
299	231	-1.06	5.83e-03	5.74e-04	-6.29	0.0	5.19	-3.02	-6.00e-03	0.0	5.83e-03	-1.06
		-4.61	2.69e-03	-6.34e-05	0.0	55.7	5.19	-9.31	-6.00e-03	0.0	2.69e-03	-4.61
299	234	2.57	-2.71e-04	-2.08e-04	-6.29	0.0	-0.64	5.74	-1.11e-03	0.0	-2.71e-04	1.34
		1.34	-1.12e-03	2.39e-05	0.0	55.7	-0.64	-0.56	-1.11e-03	0.0	-1.12e-03	2.53
300	11	1.85	0.06	2.06e-04	-16.39	0.0	0.56	10.44	-0.10	0.0	0.06	6.08e-04
		6.08e-04	3.93e-03	1.16e-05	0.0	55.7	0.56	-5.95	-0.10	0.0	3.93e-03	1.25
300	19	0.58	0.03	7.96e-05	-5.86	0.0	0.33	3.52	-0.05	0.0	0.03	-0.01
		-0.01	1.97e-03	6.01e-06	0.0	55.7	0.33	-2.34	-0.05	0.0	1.97e-03	0.32
300	28	1.43	0.07	2.99e-04	-12.50	0.0	0.62	7.95	-0.11	0.0	0.07	0.02
		0.02	4.28e-03	1.18e-05	0.0	55.7	0.62	-4.54	-0.11	0.0	4.28e-03	0.97
300	35	1.73	0.06	2.69e-04	-16.39	0.0	0.63	10.03	-0.11	0.0	0.06	0.02
		0.02	4.49e-03	1.13e-05	0.0	55.7	0.63	-6.35	-0.11	0.0	4.49e-03	1.04
300	45	0.40	0.03	1.84e-04	-5.86	0.0	0.45	2.84	-0.05	0.0	0.03	0.02
		-0.03	2.89e-03	5.51e-06	0.0	55.7	0.45	-3.02	-0.05	0.0	2.89e-03	-0.03
300	71	1.27	0.04	1.53e-04	-11.48	0.0	0.42	7.22	-0.07	0.0	0.04	1.14e-03
		1.14e-03	2.93e-03	8.45e-06	0.0	55.7	0.42	-4.26	-0.07	0.0	2.93e-03	0.83
300	72	0.60	0.03	1.01e-04	-6.29	0.0	0.36	3.72	-0.05	0.0	0.03	-5.92e-03
		-5.92e-03	2.19e-03	6.31e-06	0.0	55.7	0.36	-2.57	-0.05	0.0	2.19e-03	0.31
300	73	0.87	0.03	9.92e-05	-8.88	0.0	0.37	5.30	-0.05	0.0	0.03	-6.02e-03
		-6.02e-03	2.40e-03	6.61e-06	0.0	55.7	0.37	-3.59	-0.05	0.0	2.40e-03	0.47
300	80	0.98	0.05	2.15e-04	-8.88	0.0	0.47	5.56	-0.08	0.0	0.05	0.01
		0.01	3.16e-03	8.59e-06	0.0	55.7	0.47	-3.32	-0.08	0.0	3.16e-03	0.64
300	83	1.18	0.04	1.95e-04	-11.48	0.0	0.47	6.95	-0.07	0.0	0.04	0.01
		0.01	3.30e-03	8.25e-06	0.0	55.7	0.47	-4.53	-0.07	0.0	3.30e-03	0.69
300	98	0.69	0.04	1.78e-04	-6.29	0.0	0.44	3.94	-0.07	0.0	0.04	8.89e-03
		8.89e-03	2.72e-03	7.99e-06	0.0	55.7	0.44	-2.36	-0.07	0.0	2.72e-03	0.45
300	101	0.78	0.04	1.71e-04	-7.33	0.0	0.44	4.50	-0.07	0.0	0.04	8.54e-03
		8.54e-03	2.78e-03	7.90e-06	0.0	55.7	0.44	-2.83	-0.07	0.0	2.78e-03	0.48
300	102	0.56	0.03	1.29e-04	-6.29	0.0	0.41	3.54	-0.05	0.0	0.03	4.16e-03
		4.16e-03	2.47e-03	6.48e-06	0.0	55.7	0.41	-2.75	-0.05	0.0	2.47e-03	0.22
300	106	0.55	0.03	1.36e-04	-6.29	0.0	0.42	3.50	-0.05	0.0	0.03	6.68e-03
		6.68e-03	2.54e-03	6.52e-06	0.0	55.7	0.42	-2.79	-0.05	0.0	2.54e-03	0.20
300	107	0.67	0.04	1.72e-04	-6.29	0.0	0.43	3.87	-0.06	0.0	0.04	8.57e-03
		8.57e-03	2.69e-03	7.78e-06	0.0	55.7	0.43	-2.42	-0.06	0.0	2.69e-03	0.41
300	124	2.33	0.01	-3.39e-04	-6.29	0.0	-0.34	7.33	-0.02	0.0	0.01	6.05e-04
		6.05e-04	2.63e-03	-4.19e-05	0.0	55.7	-0.34	1.04	-0.02	0.0	2.63e-03	2.33
300	127	0.02	0.06	6.83e-04	-6.29	0.0	1.21	0.41	-0.11	0.0	0.06	0.02
		-1.50	2.75e-03	5.75e-05	0.0	55.7	1.21	-5.88	-0.11	0.0	2.75e-03	-1.50
300	132	1.61	2.33e-04	-2.83e-04	-6.29	0.0	-0.17	6.03	0.02	0.0	-0.01	3.08e-03
		3.08e-03	-0.01	6.02e-05	0.0	55.7	-0.17	-0.26	0.02	0.0	2.33e-04	1.61
300	135	0.14	0.09	6.27e-04	-6.29	0.0	1.03	1.71	-0.15	0.0	0.09	0.01
		-0.78	5.15e-03	-4.46e-05	0.0	55.7	1.03	-4.58	-0.15	0.0	5.15e-03	-0.78
300	156	2.57	0.01	-4.03e-04	-6.29	0.0	-0.44	7.76	-0.02	0.0	0.01	-3.95e-04
		-3.95e-04	2.62e-03	-4.75e-05	0.0	55.7	-0.44	1.47	-0.02	0.0	2.62e-03	2.57
300	159	0.02	0.07	7.46e-04	-6.29	0.0	1.31	-0.02	-0.11	0.0	0.07	0.02
		-1.74	2.76e-03	6.31e-05	0.0	55.7	1.31	-6.31	-0.11	0.0	2.76e-03	-1.74
300	164	1.76	-7.24e-05	-3.40e-04	-6.29	0.0	-0.24	6.30	0.03	0.0	-0.02	2.41e-03
		2.41e-03	-0.02	6.66e-05	0.0	55.7	-0.24	9.29e-03	0.03	0.0	-7.24e-05	1.76

300	167	0.11	0.10	6.84e-04	-6.29	0.0	1.11	1.45	-0.16	0.0	0.10	0.01
		-0.93	5.46e-03	-5.11e-05	0.0	55.7	1.11	-4.85	-0.16	0.0	5.46e-03	-0.93
300	188	2.52	0.01	-3.90e-04	-6.29	0.0	-0.43	7.68	-0.02	0.0	0.01	-3.48e-04
		-3.48e-04	2.60e-03	-3.33e-05	0.0	55.7	-0.43	1.39	-0.02	0.0	2.60e-03	2.52
300	191	0.02	0.07	7.34e-04	-6.29	0.0	1.29	0.07	-0.11	0.0	0.07	0.02
		-1.69	2.78e-03	4.89e-05	0.0	55.7	1.29	-6.23	-0.11	0.0	2.78e-03	-1.69
300	196	1.70	-1.26e-05	-3.26e-04	-6.29	0.0	-0.22	6.20	0.03	0.0	-0.02	2.58e-03
		2.58e-03	-0.02	6.79e-05	0.0	55.7	-0.22	-0.10	0.03	0.0	-1.26e-05	1.70
300	199	0.12	0.10	6.70e-04	-6.29	0.0	1.09	1.55	-0.16	0.0	0.10	0.01
		-0.87	5.40e-03	-5.23e-05	0.0	55.7	1.09	-4.74	-0.16	0.0	5.40e-03	-0.87
300	220	2.86	6.85e-03	-4.81e-04	-6.29	0.0	-0.56	8.29	-8.57e-03	0.0	6.85e-03	-1.86e-03
		-1.86e-03	2.59e-03	-3.27e-05	0.0	55.7	-0.56	2.00	-8.57e-03	0.0	2.59e-03	2.86
300	223	0.02	0.07	8.25e-04	-6.29	0.0	1.43	-0.54	-0.12	0.0	0.07	0.02
		-2.03	2.80e-03	4.83e-05	0.0	55.7	1.43	-6.83	-0.12	0.0	2.80e-03	-2.03
300	228	1.89	-4.48e-04	-4.05e-04	-6.29	0.0	-0.32	6.54	0.05	0.0	-0.03	1.66e-03
		1.66e-03	-0.03	7.99e-05	0.0	55.7	-0.32	0.25	0.05	0.0	-4.48e-04	1.89
300	231	0.08	0.11	7.49e-04	-6.29	0.0	1.19	1.20	-0.18	0.0	0.11	0.02
		-1.06	5.83e-03	-6.44e-05	0.0	55.7	1.19	-5.09	-0.18	0.0	5.83e-03	-1.06
301	12	0.33	0.0	2.12e-05	-13.14	0.0	1.71	9.12	3.33e-04	0.0	-1.79e-04	-1.37
		-1.37	-1.79e-04	6.25e-06	0.0	53.6	1.71	-4.02	3.33e-04	0.0	0.0	0.0
301	20	0.20	0.0	1.43e-05	-9.39	0.0	1.61	6.74	1.37e-03	0.0	-7.35e-04	-1.10
		-1.10	-7.35e-04	5.44e-06	0.0	53.6	1.61	-2.65	1.37e-03	0.0	0.0	0.0
301	28	7.83e-03	2.03e-03	6.53e-05	-12.04	0.0	3.24	11.44	-3.79e-03	0.0	2.03e-03	-2.90
		-2.90	0.0	1.11e-05	0.0	53.6	3.24	-0.61	-3.79e-03	0.0	0.0	0.0
301	43	0.0	2.26e-03	6.46e-05	-8.30	0.0	2.80	8.88	-4.22e-03	0.0	2.26e-03	-2.54
		-2.54	0.0	9.76e-06	0.0	53.6	2.80	0.58	-4.22e-03	0.0	0.0	0.0
301	45	2.46e-03	1.64e-03	4.16e-05	-5.65	0.0	1.45	5.40	-3.05e-03	0.0	1.64e-03	-1.38
		-1.38	0.0	5.67e-06	0.0	53.6	1.45	-0.25	-3.05e-03	0.0	0.0	0.0
301	52	0.02	1.58e-03	5.67e-05	-12.04	0.0	3.32	11.18	-2.94e-03	0.0	1.58e-03	-2.76
		-2.76	0.0	1.13e-05	0.0	53.6	3.32	-0.87	-2.94e-03	0.0	0.0	0.0
301	69	0.22	1.92e-04	2.44e-05	-11.06	0.0	1.74	8.07	-3.57e-04	0.0	1.92e-04	-1.36
		-1.36	0.0	6.33e-06	0.0	53.6	1.74	-2.99	-3.57e-04	0.0	0.0	0.0
301	73	0.14	0.0	1.98e-05	-8.56	0.0	1.67	6.48	3.34e-04	0.0	-1.79e-04	-1.18
		-1.18	-1.79e-04	5.79e-06	0.0	53.6	1.67	-2.08	3.34e-04	0.0	0.0	0.0
301	80	6.21e-03	1.46e-03	4.66e-05	-8.56	0.0	2.33	8.11	-2.72e-03	0.0	1.46e-03	-2.05
		-2.05	0.0	8.12e-06	0.0	53.6	2.33	-0.45	-2.72e-03	0.0	0.0	0.0
301	85	9.66e-03	1.40e-03	3.80e-05	-6.06	0.0	1.56	5.59	-2.61e-03	0.0	1.40e-03	-1.37
		-1.37	0.0	5.94e-06	0.0	53.6	1.56	-0.48	-2.61e-03	0.0	0.0	0.0
301	87	0.0	1.61e-03	4.61e-05	-6.06	0.0	2.04	6.40	-3.01e-03	0.0	1.61e-03	-1.81
		-1.81	0.0	7.21e-06	0.0	53.6	2.04	0.34	-3.01e-03	0.0	0.0	0.0
301	92	0.01	1.16e-03	4.08e-05	-8.56	0.0	2.39	7.94	-2.16e-03	0.0	1.16e-03	-1.96
		-1.96	0.0	8.24e-06	0.0	53.6	2.39	-0.63	-2.16e-03	0.0	0.0	0.0
301	98	0.0	1.11e-03	3.66e-05	-6.06	0.0	2.14	6.11	-2.06e-03	0.0	1.11e-03	-1.65
		-1.65	0.0	7.40e-06	0.0	53.6	2.14	0.05	-2.06e-03	0.0	0.0	0.0
301	99	0.05	8.78e-04	2.88e-05	-7.06	0.0	1.68	5.89	-1.64e-03	0.0	8.78e-04	-1.26
		-1.26	0.0	6.25e-06	0.0	53.6	1.68	-1.18	-1.64e-03	0.0	0.0	0.0
301	101	8.57e-03	1.06e-03	3.57e-05	-7.06	0.0	2.09	6.59	-1.98e-03	0.0	1.06e-03	-1.64
		-1.64	0.0	7.34e-06	0.0	53.6	2.09	-0.48	-1.98e-03	0.0	0.0	0.0
301	104	0.02	9.96e-04	3.04e-05	-6.06	0.0	1.64	5.36	-1.86e-03	0.0	9.96e-04	-1.25
		-1.25	0.0	6.09e-06	0.0	53.6	1.64	-0.71	-1.86e-03	0.0	0.0	0.0
301	105	0.0	1.18e-03	3.73e-05	-6.06	0.0	2.05	6.06	-2.20e-03	0.0	1.18e-03	-1.62
		-1.62	0.0	7.18e-06	0.0	53.6	2.05	-8.15e-03	-2.20e-03	0.0	0.0	0.0
301	106	0.03	8.95e-04	2.85e-05	-6.06	0.0	1.66	5.30	-1.67e-03	0.0	8.95e-04	-1.22
		-1.22	0.0	6.13e-06	0.0	53.6	1.66	-0.77	-1.67e-03	0.0	0.0	0.0
301	107	0.0	1.08e-03	3.54e-05	-6.06	0.0	2.07	6.00	-2.01e-03	0.0	1.08e-03	-1.59
		-1.59	0.0	7.22e-06	0.0	53.6	2.07	-0.07	-2.01e-03	0.0	0.0	0.0
301	108	0.09	0.0	1.37e-05	-6.06	0.0	1.26	4.67	0.14	0.0	-0.07	-0.88
		-0.88	-0.07	8.12e-05	0.0	53.6	1.26	-1.39	0.14	0.0	0.0	0.0
301	111	0.0	0.08	5.71e-05	-6.06	0.0	2.88	7.32	-0.14	0.0	0.08	-2.30
		-2.30	0.0	-6.68e-05	0.0	53.6	2.88	1.26	-0.14	0.0	0.0	0.0
301	132	0.42	0.0	-2.44e-05	-6.06	0.0	0.90	2.98	0.08	0.0	-0.04	0.03
		0.0	-0.04	5.44e-05	0.0	53.6	0.90	-3.08	0.08	0.0	0.0	0.0
301	135	0.0	0.05	9.43e-05	-6.06	0.0	3.23	9.01	-0.09	0.0	0.05	-3.21
		-3.21	0.0	-4.00e-05	0.0	53.6	3.23	2.95	-0.09	0.0	0.0	0.0
301	136	0.42	0.0	-2.41e-05	-6.06	0.0	0.91	2.98	0.07	0.0	-0.04	0.03
		0.0	-0.04	6.29e-05	0.0	53.6	0.91	-3.08	0.07	0.0	0.0	0.0
301	139	0.0	0.04	9.39e-05	-6.06	0.0	3.23	9.02	-0.07	0.0	0.04	-3.21
		-3.21	0.0	-4.85e-05	0.0	53.6	3.23	2.95	-0.07	0.0	0.0	0.0
301	140	0.11	0.0	1.10e-05	-6.06	0.0	1.16	4.51	0.16	0.0	-0.08	-0.79
		-0.79	-0.08	9.15e-05	0.0	53.6	1.16	-1.56	0.16	0.0	0.0	0.0
301	143	0.0	0.09	5.98e-05	-6.06	0.0	2.98	7.49	-0.16	0.0	0.09	-2.39
		-2.39	0.0	-7.71e-05	0.0	53.6	2.98	1.43	-0.16	0.0	0.0	0.0
301	164	0.53	0.0	-3.10e-05	-6.06	0.0	0.76	2.61	0.09	0.0	-0.05	0.23
		0.0	-0.05	5.98e-05	0.0	53.6	0.76	-3.46	0.09	0.0	0.0	0.0
301	167	0.0	0.05	1.02e-04	-6.06	0.0	3.38	9.39	-0.10	0.0	0.05	-3.41

		-3.41	0.0	-4.54e-05	0.0	53.6	3.38	3.33	-0.10	0.0	0.0	0.0
301	168	0.53	0.0	-3.06e-05	-6.06	0.0	0.77	2.60	0.08	0.0	-0.04	0.23
		0.0	-0.04	7.07e-05	0.0	53.6	0.77	-3.46	0.08	0.0	0.0	0.0
301	171	0.0	0.04	1.01e-04	-6.06	0.0	3.37	9.39	-0.08	0.0	0.04	-3.41
		-3.41	0.0	-5.63e-05	0.0	53.6	3.37	3.33	-0.08	0.0	0.0	0.0
301	172	0.10	0.0	1.09e-05	-6.06	0.0	1.17	4.54	0.15	0.0	-0.08	-0.81
		-0.81	-0.08	1.16e-04	0.0	53.6	1.17	-1.52	0.15	0.0	0.0	0.0
301	175	0.0	0.08	5.99e-05	-6.06	0.0	2.97	7.46	-0.15	0.0	0.08	-2.37
		-2.37	0.0	-1.02e-04	0.0	53.6	2.97	1.39	-0.15	0.0	0.0	0.0
301	196	0.51	0.0	-3.03e-05	-6.06	0.0	0.77	2.65	0.09	0.0	-0.05	0.20
		0.0	-0.05	5.83e-05	0.0	53.6	0.77	-3.41	0.09	0.0	0.0	0.0
301	199	0.0	0.05	1.01e-04	-6.06	0.0	3.37	9.34	-0.09	0.0	0.05	-3.38
		-3.38	0.0	-4.39e-05	0.0	53.6	3.37	3.28	-0.09	0.0	0.0	0.0
301	200	0.52	0.0	-3.01e-05	-6.06	0.0	0.77	2.64	0.07	0.0	-0.04	0.21
		0.0	-0.04	7.66e-05	0.0	53.6	0.77	-3.42	0.07	0.0	0.0	0.0
301	203	0.0	0.04	1.01e-04	-6.06	0.0	3.37	9.35	-0.08	0.0	0.04	-3.39
		-3.39	0.0	-6.21e-05	0.0	53.6	3.37	3.29	-0.08	0.0	0.0	0.0
301	204	0.14	0.0	6.49e-06	-6.06	0.0	1.02	4.30	0.17	0.0	-0.09	-0.68
		-0.68	-0.09	1.50e-04	0.0	53.6	1.02	-1.76	0.17	0.0	0.0	0.0
301	207	0.0	0.09	6.43e-05	-6.06	0.0	3.12	7.69	-0.18	0.0	0.09	-2.50
		-2.50	0.0	-1.35e-04	0.0	53.6	3.12	1.63	-0.18	0.0	0.0	0.0
301	232	0.70	0.0	-4.08e-05	-6.06	0.0	0.55	2.09	0.08	0.0	-0.04	0.51
		0.0	-0.04	9.19e-05	0.0	53.6	0.55	-3.98	0.08	0.0	0.0	0.0
301	235	0.0	0.05	1.12e-04	-6.06	0.0	3.59	9.91	-0.09	0.0	0.05	-3.69
		-3.69	0.0	-7.75e-05	0.0	53.6	3.59	3.84	-0.09	0.0	0.0	0.0
302	4	-2.50	6.47e-04	7.93e-05	-12.04	0.0	5.26	9.65	1.63e-03	0.0	-2.29e-04	-4.57
		-4.57	-2.29e-04	1.07e-05	0.0	53.6	5.26	-2.39	1.63e-03	0.0	6.47e-04	-2.63
302	20	-0.80	-1.21e-04	2.62e-05	-9.39	0.0	2.65	6.15	-1.14e-03	0.0	-1.21e-04	-1.88
		-1.88	-7.35e-04	5.52e-06	0.0	53.6	2.65	-3.24	-1.14e-03	0.0	-7.35e-04	-1.10
302	28	-2.83	2.03e-03	9.91e-05	-12.04	0.0	5.13	10.14	4.63e-03	0.0	-4.54e-04	-5.11
		-5.11	-4.54e-04	1.09e-05	0.0	53.6	5.13	-1.90	4.63e-03	0.0	2.03e-03	-2.90
302	43	-2.53	2.26e-03	9.40e-05	-8.30	0.0	4.45	7.84	5.24e-03	0.0	-5.50e-04	-4.52
		-4.52	-5.50e-04	9.51e-06	0.0	53.6	4.45	-0.45	5.24e-03	0.0	2.26e-03	-2.54
302	45	-1.35	1.64e-03	5.65e-05	-5.65	0.0	2.32	4.90	3.97e-03	0.0	-4.92e-04	-2.50
		-2.50	-4.92e-04	5.48e-06	0.0	53.6	2.32	-0.75	3.97e-03	0.0	1.64e-03	-1.38
302	68	-1.78	5.38e-04	5.71e-05	-8.56	0.0	3.79	6.88	1.35e-03	0.0	-1.88e-04	-3.26
		-3.26	-1.88e-04	7.80e-06	0.0	53.6	3.79	-1.69	1.35e-03	0.0	5.38e-04	-1.87
302	72	-0.96	-1.37e-04	3.09e-05	-6.06	0.0	2.63	4.52	4.35e-05	0.0	-1.60e-04	-1.86
		-1.86	-1.60e-04	5.52e-06	0.0	53.6	2.63	-1.55	4.35e-05	0.0	-1.37e-04	-1.06
302	80	-2.00	1.46e-03	7.03e-05	-8.56	0.0	3.70	7.20	3.35e-03	0.0	-3.38e-04	-3.62
		-3.62	-3.38e-04	7.95e-06	0.0	53.6	3.70	-1.36	3.35e-03	0.0	1.46e-03	-2.05
302	85	-1.33	1.40e-03	5.29e-05	-6.06	0.0	2.49	5.06	3.38e-03	0.0	-4.10e-04	-2.46
		-2.46	-4.10e-04	5.78e-06	0.0	53.6	2.49	-1.00	3.38e-03	0.0	1.40e-03	-1.37
302	86	-1.35	1.36e-03	5.47e-05	-8.56	0.0	2.56	6.44	3.30e-03	0.0	-4.13e-04	-2.65
		-2.65	-4.13e-04	6.07e-06	0.0	53.6	2.56	-2.12	3.30e-03	0.0	1.36e-03	-1.49
302	87	-1.80	1.61e-03	6.69e-05	-6.06	0.0	3.25	5.67	3.76e-03	0.0	-4.02e-04	-3.22
		-3.22	-4.02e-04	7.03e-06	0.0	53.6	3.25	-0.39	3.76e-03	0.0	1.61e-03	-1.81
302	98	-1.63	1.11e-03	5.59e-05	-6.06	0.0	3.38	5.40	2.52e-03	0.0	-2.44e-04	-2.92
		-2.92	-2.44e-04	7.28e-06	0.0	53.6	3.38	-0.67	2.52e-03	0.0	1.11e-03	-1.65
302	102	-1.11	6.88e-04	3.97e-05	-6.06	0.0	2.62	4.73	1.72e-03	0.0	-2.34e-04	-2.10
		-2.10	-2.34e-04	5.93e-06	0.0	53.6	2.62	-1.33	1.72e-03	0.0	6.88e-04	-1.18
302	104	-1.18	9.96e-04	4.41e-05	-6.06	0.0	2.59	4.84	2.39e-03	0.0	-2.84e-04	-2.22
		-2.22	-2.84e-04	5.98e-06	0.0	53.6	2.59	-1.22	2.39e-03	0.0	9.96e-04	-1.25
302	105	-1.60	1.18e-03	5.61e-05	-6.06	0.0	3.24	5.37	2.71e-03	0.0	-2.77e-04	-2.87
		-2.87	-2.77e-04	7.05e-06	0.0	53.6	3.24	-0.70	2.71e-03	0.0	1.18e-03	-1.62
302	106	-1.14	8.95e-04	4.19e-05	-6.06	0.0	2.62	4.79	2.14e-03	0.0	-2.52e-04	-2.16
		-2.16	-2.52e-04	6.03e-06	0.0	53.6	2.62	-1.27	2.14e-03	0.0	8.95e-04	-1.22
302	107	-1.57	1.08e-03	5.39e-05	-6.06	0.0	3.27	5.31	2.46e-03	0.0	-2.45e-04	-2.81
		-2.81	-2.45e-04	7.10e-06	0.0	53.6	3.27	-0.75	2.46e-03	0.0	1.08e-03	-1.59
302	108	-0.67	-5.66e-03	5.88e-06	-6.06	0.0	2.10	3.86	-0.13	0.0	-5.66e-03	-1.32
		-1.32	-0.07	7.73e-05	0.0	53.6	2.10	-2.20	-0.13	0.0	-0.07	-0.88
302	111	-2.30	0.08	1.02e-04	-6.06	0.0	4.44	6.76	0.13	0.0	5.17e-03	-4.30
		-4.30	5.17e-03	-6.31e-05	0.0	53.6	4.44	0.70	0.13	0.0	0.08	-2.30
302	124	0.57	-2.63e-04	-2.12e-05	-6.06	0.0	1.01	2.25	-0.08	0.0	-2.63e-04	0.34
		-0.08	-0.05	1.29e-06	0.0	53.6	1.01	-3.81	-0.08	0.0	-0.05	-0.08
302	127	-3.11	0.05	1.27e-04	-6.06	0.0	5.52	8.37	0.08	0.0	-2.27e-04	-5.97
		-5.97	-2.27e-04	1.29e-05	0.0	53.6	5.52	2.31	0.08	0.0	0.05	-3.11
302	136	0.73	2.04e-03	-2.37e-05	-6.06	0.0	1.11	2.09	-0.06	0.0	2.04e-03	0.54
		0.03	-0.04	6.09e-05	0.0	53.6	1.11	-3.98	-0.06	0.0	-0.04	0.03
302	139	-3.21	0.04	1.30e-04	-6.06	0.0	5.43	8.54	0.06	0.0	-2.53e-03	-6.16
		-6.16	-2.53e-03	-4.67e-05	0.0	53.6	5.43	2.47	0.06	0.0	0.04	-3.21
302	140	-0.54	-6.34e-03	-7.75e-06	-6.06	0.0	1.95	3.68	-0.14	0.0	-6.34e-03	-1.14
		-1.14	-0.08	8.72e-05	0.0	53.6	1.95	-2.39	-0.14	0.0	-0.08	-0.79
302	143	-2.39	0.09	1.08e-04	-6.06	0.0	4.58	6.94	0.15	0.0	5.85e-03	-4.49
		-4.49	5.85e-03	-7.30e-05	0.0	53.6	4.58	0.88	0.15	0.0	0.09	-2.39

302	156	0.89	-2.74e-04	-2.90e-05	-6.06	0.0	0.73	1.87	-0.09	0.0	-2.74e-04	0.74
		0.11	-0.05	1.46e-06	0.0	53.6	0.73	-4.19	-0.09	0.0	-0.05	0.11
302	159	-3.29	0.05	1.36e-04	-6.06	0.0	5.80	8.75	0.09	0.0	-2.16e-04	-6.36
		-6.36	-2.16e-04	1.28e-05	0.0	53.6	5.80	2.69	0.09	0.0	0.05	-3.29
302	168	1.08	2.33e-03	-3.21e-05	-6.06	0.0	0.84	1.68	-0.07	0.0	2.33e-03	0.95
		0.23	-0.04	6.85e-05	0.0	53.6	0.84	-4.38	-0.07	0.0	-0.04	0.23
302	171	-3.41	0.04	1.40e-04	-6.06	0.0	5.70	8.94	0.07	0.0	-2.82e-03	-6.58
		-6.58	-2.82e-03	-5.43e-05	0.0	53.6	5.70	2.88	0.07	0.0	0.04	-3.41
302	172	-0.56	-6.12e-03	-6.87e-06	-6.06	0.0	1.96	3.71	-0.14	0.0	-6.12e-03	-1.17
		-1.17	-0.08	1.12e-04	0.0	53.6	1.96	-2.36	-0.14	0.0	-0.08	-0.81
302	175	-2.37	0.08	1.06e-04	-6.06	0.0	4.57	6.91	0.14	0.0	5.63e-03	-4.46
		-4.46	5.63e-03	-9.81e-05	0.0	53.6	4.57	0.85	0.14	0.0	0.08	-2.37
302	188	0.83	-3.83e-04	-2.74e-05	-6.06	0.0	0.77	1.93	-0.09	0.0	-3.83e-04	0.67
		0.08	-0.05	1.60e-05	0.0	53.6	0.77	-4.13	-0.09	0.0	-0.05	0.08
302	191	-3.26	0.05	1.35e-04	-6.06	0.0	5.76	8.69	0.09	0.0	-1.07e-04	-6.29
		-6.29	-1.07e-04	-1.79e-06	0.0	53.6	5.76	2.62	0.09	0.0	0.05	-3.26
302	200	1.04	2.34e-03	-3.11e-05	-6.06	0.0	0.86	1.73	-0.06	0.0	2.34e-03	0.91
		0.21	-0.04	7.50e-05	0.0	53.6	0.86	-4.34	-0.06	0.0	-0.04	0.21
302	203	-3.39	0.04	1.39e-04	-6.06	0.0	5.68	8.90	0.07	0.0	-2.83e-03	-6.54
		-6.54	-2.83e-03	-6.08e-05	0.0	53.6	5.68	2.83	0.07	0.0	0.04	-3.39
302	204	-0.38	-7.02e-03	-1.15e-05	-6.06	0.0	1.74	3.45	-0.16	0.0	-7.02e-03	-0.91
		-0.91	-0.09	1.45e-04	0.0	53.6	1.74	-2.62	-0.16	0.0	-0.09	-0.68
302	207	-2.50	0.09	1.14e-04	-6.06	0.0	4.79	7.18	0.16	0.0	6.54e-03	-4.72
		-4.72	6.54e-03	-1.31e-04	0.0	53.6	4.79	1.11	0.16	0.0	0.09	-2.50
302	220	1.31	-4.46e-04	-3.96e-05	-6.06	0.0	0.37	1.39	-0.10	0.0	-4.46e-04	1.23
		0.35	-0.06	2.59e-05	0.0	53.6	0.37	-4.67	-0.10	0.0	-0.06	0.35
302	223	-3.53	0.06	1.47e-04	-6.06	0.0	6.16	9.23	0.10	0.0	-4.43e-05	-6.85
		-6.85	-4.43e-05	-1.17e-05	0.0	53.6	6.16	3.17	0.10	0.0	0.06	-3.53
302	232	1.58	2.76e-03	-4.50e-05	-6.06	0.0	0.45	1.13	-0.07	0.0	2.76e-03	1.53
		0.51	-0.04	9.05e-05	0.0	53.6	0.45	-4.93	-0.07	0.0	-0.04	0.51
302	235	-3.69	0.05	1.53e-04	-6.06	0.0	6.08	9.49	0.08	0.0	-3.25e-03	-7.15
		-7.15	-3.25e-03	-7.63e-05	0.0	53.6	6.08	3.43	0.08	0.0	0.05	-3.69
303	19	-1.37	-1.17e-04	4.12e-05	-5.65	0.0	1.21	3.49	1.39e-03	0.0	-8.64e-04	-1.95
		-1.95	-8.64e-04	5.09e-06	0.0	53.6	1.21	-2.16	1.39e-03	0.0	-1.17e-04	-1.59
303	21	-2.60	-1.04e-04	7.69e-05	-5.65	0.0	1.95	3.94	1.48e-03	0.0	-8.99e-04	-3.34
		-3.34	-8.99e-04	6.96e-06	0.0	53.6	1.95	-1.71	1.48e-03	0.0	-1.04e-04	-2.74
303	28	-4.79	-4.54e-04	1.58e-04	-12.04	0.0	3.41	8.27	1.49e-03	0.0	-1.25e-03	-6.32
		-6.32	-1.25e-03	1.09e-05	0.0	53.6	3.41	-3.78	1.49e-03	0.0	-4.54e-04	-5.11
303	51	-4.41	-3.07e-04	1.40e-04	-8.30	0.0	3.26	6.15	1.78e-03	0.0	-1.26e-03	-5.63
		-5.63	-1.26e-03	1.07e-05	0.0	53.6	3.26	-2.15	1.78e-03	0.0	-3.07e-04	-4.56
303	72	-1.64	-1.60e-04	5.16e-05	-6.06	0.0	1.40	3.84	1.36e-03	0.0	-8.88e-04	-2.29
		-2.29	-8.88e-04	5.53e-06	0.0	53.6	1.40	-2.23	1.36e-03	0.0	-1.60e-04	-1.86
303	74	-2.46	-1.52e-04	7.54e-05	-6.06	0.0	1.89	4.14	1.42e-03	0.0	-9.12e-04	-3.22
		-3.22	-9.12e-04	6.78e-06	0.0	53.6	1.89	-1.92	1.42e-03	0.0	-1.52e-04	-2.62
303	80	-3.40	-3.38e-04	1.12e-04	-8.56	0.0	2.45	5.89	1.16e-03	0.0	-9.58e-04	-4.48
		-4.48	-9.58e-04	7.99e-06	0.0	53.6	2.45	-2.68	1.16e-03	0.0	-3.38e-04	-3.62
303	91	-3.14	-2.40e-04	9.98e-05	-6.06	0.0	2.35	4.47	1.35e-03	0.0	-9.64e-04	-4.02
		-4.02	-9.64e-04	7.84e-06	0.0	53.6	2.35	-1.59	1.35e-03	0.0	-2.40e-04	-3.25
303	98	-2.79	-2.44e-04	8.97e-05	-6.06	0.0	2.14	4.34	1.32e-03	0.0	-9.54e-04	-3.63
		-3.63	-9.54e-04	7.31e-06	0.0	53.6	2.14	-1.72	1.32e-03	0.0	-2.44e-04	-2.92
303	102	-1.91	-2.34e-04	6.30e-05	-6.06	0.0	1.60	4.00	1.28e-03	0.0	-9.21e-04	-2.62
		-2.62	-9.21e-04	5.95e-06	0.0	53.6	1.60	-2.06	1.28e-03	0.0	-2.34e-04	-2.10
303	103	-2.61	-2.27e-04	8.34e-05	-6.06	0.0	2.02	4.26	1.33e-03	0.0	-9.42e-04	-3.41
		-3.41	-9.42e-04	7.02e-06	0.0	53.6	2.02	-1.80	1.33e-03	0.0	-2.27e-04	-2.75
303	106	-1.98	-2.52e-04	6.59e-05	-6.06	0.0	1.65	4.04	1.26e-03	0.0	-9.30e-04	-2.70
		-2.70	-9.30e-04	6.06e-06	0.0	53.6	1.65	-2.02	1.26e-03	0.0	-2.52e-04	-2.16
303	107	-2.68	-2.45e-04	8.63e-05	-6.06	0.0	2.07	4.30	1.32e-03	0.0	-9.50e-04	-3.49
		-3.49	-9.50e-04	7.13e-06	0.0	53.6	2.07	-1.76	1.32e-03	0.0	-2.45e-04	-2.81
303	113	-3.07	5.19e-04	9.44e-05	-6.06	0.0	2.17	4.56	-0.01	0.0	5.19e-04	-3.99
		-3.99	-7.18e-03	6.74e-05	0.0	53.6	2.17	-1.51	-0.01	0.0	-7.18e-03	-3.17
303	114	-2.28	6.69e-03	7.81e-05	-6.06	0.0	1.98	4.05	0.02	0.0	-2.42e-03	-3.00
		-3.00	-2.42e-03	-5.31e-05	0.0	53.6	1.98	-2.02	0.02	0.0	6.69e-03	-2.46
303	124	1.17	-2.63e-04	-1.89e-05	-6.06	0.0	0.28	1.73	1.31e-03	0.0	-1.04e-03	1.04
		0.34	-1.04e-03	-5.74e-06	0.0	53.6	0.28	-4.34	1.31e-03	0.0	-2.63e-04	0.34
303	127	-5.97	-2.27e-04	1.88e-04	-6.06	0.0	3.86	6.88	1.32e-03	0.0	-8.64e-04	-8.03
		-8.03	-8.64e-04	2.00e-05	0.0	53.6	3.86	0.81	1.32e-03	0.0	-2.27e-04	-5.97
303	136	1.40	2.04e-03	-2.31e-05	-6.06	0.0	0.29	1.65	6.02e-03	0.0	-2.04e-04	1.28
		0.54	-2.04e-04	6.01e-05	0.0	53.6	0.29	-4.42	6.02e-03	0.0	2.04e-03	0.54
303	139	-6.16	-1.70e-03	1.94e-04	-6.06	0.0	3.85	6.96	-3.39e-03	0.0	-1.70e-03	-8.27
		-8.27	-2.53e-03	-4.58e-05	0.0	53.6	3.85	0.89	-3.39e-03	0.0	-2.53e-03	-6.16
303	145	-3.12	7.04e-04	9.54e-05	-6.06	0.0	2.18	4.59	-0.02	0.0	7.04e-04	-4.05
		-4.05	-8.04e-03	7.60e-05	0.0	53.6	2.18	-1.47	-0.02	0.0	-8.04e-03	-3.21
303	146	-2.23	7.55e-03	7.71e-05	-6.06	0.0	1.96	4.01	0.02	0.0	-2.60e-03	-2.94
		-2.94	-2.60e-03	-6.17e-05	0.0	53.6	1.96	-2.05	0.02	0.0	7.55e-03	-2.42
303	156	1.69	-2.74e-04	-2.91e-05	-6.06	0.0	0.05	1.41	1.28e-03	0.0	-1.05e-03	1.61

		0.74	-1.05e-03	-6.49e-06	0.0	53.6	0.05	-4.66	1.28e-03	0.0	-2.74e-04	0.74
303	159	-6.36	-2.16e-04	2.01e-04	-6.06	0.0	4.09	7.20	1.35e-03	0.0	-8.55e-04	-8.60
		-8.60	-8.55e-04	2.08e-05	0.0	53.6	4.09	1.13	1.35e-03	0.0	-2.16e-04	-6.36
303	168	1.95	2.33e-03	-3.48e-05	-6.06	0.0	0.07	1.31	6.62e-03	0.0	-1.14e-04	1.88
		0.95	-1.14e-04	6.76e-05	0.0	53.6	0.07	-4.75	6.62e-03	0.0	2.33e-03	0.95
303	171	-6.58	-1.79e-03	2.07e-04	-6.06	0.0	4.07	7.29	-3.99e-03	0.0	-1.79e-03	-8.87
		-8.87	-2.82e-03	-5.34e-05	0.0	53.6	4.07	1.23	-3.99e-03	0.0	-2.82e-03	-6.58
303	177	-3.11	6.26e-04	9.54e-05	-6.06	0.0	2.17	4.58	-0.02	0.0	6.26e-04	-4.05
		-4.05	-7.74e-03	1.02e-04	0.0	53.6	2.17	-1.48	-0.02	0.0	-7.74e-03	-3.21
303	178	-2.23	7.25e-03	7.71e-05	-6.06	0.0	1.97	4.02	0.02	0.0	-2.53e-03	-2.94
		-2.94	-2.53e-03	-8.75e-05	0.0	53.6	1.97	-2.04	0.02	0.0	7.25e-03	-2.42
303	196	1.88	1.46e-03	-3.33e-05	-6.06	0.0	0.08	1.35	4.45e-03	0.0	1.17e-04	1.79
		0.90	1.17e-04	6.04e-05	0.0	53.6	0.08	-4.71	4.45e-03	0.0	1.46e-03	0.90
303	199	-6.52	-1.95e-03	2.06e-04	-6.06	0.0	4.06	7.25	-1.82e-03	0.0	-2.02e-03	-8.78
		-8.78	-2.02e-03	-4.61e-05	0.0	53.6	4.06	1.19	-1.82e-03	0.0	-1.95e-03	-6.52
303	200	1.89	2.34e-03	-3.36e-05	-6.06	0.0	0.09	1.35	6.64e-03	0.0	-1.73e-04	1.81
		0.91	-1.73e-04	7.45e-05	0.0	53.6	0.09	-4.72	6.64e-03	0.0	2.34e-03	0.91
303	203	-6.54	-1.73e-03	2.06e-04	-6.06	0.0	4.05	7.26	-4.01e-03	0.0	-1.73e-03	-8.80
		-8.80	-2.83e-03	-6.03e-05	0.0	53.6	4.05	1.19	-4.01e-03	0.0	-2.83e-03	-6.54
303	209	-3.18	8.59e-04	9.68e-05	-6.06	0.0	4.62	4.62	-0.02	0.0	8.59e-04	-4.13
		-4.13	-8.89e-03	1.33e-04	0.0	53.6	2.18	-1.44	-0.02	0.0	-8.89e-03	-3.28
303	210	-2.16	8.40e-03	7.57e-05	-6.06	0.0	1.96	3.98	0.02	0.0	-2.76e-03	-2.86
		-2.86	-2.76e-03	-1.19e-04	0.0	53.6	1.96	-2.08	0.02	0.0	8.40e-03	-2.35
303	228	2.70	1.74e-03	-5.26e-05	-6.06	0.0	-0.25	0.87	4.97e-03	0.0	2.73e-04	2.66
		1.51	2.73e-04	6.96e-05	0.0	53.6	-0.25	-5.19	4.97e-03	0.0	1.74e-03	1.51
303	231	-7.13	-2.17e-03	2.25e-04	-6.06	0.0	4.39	7.73	-2.34e-03	0.0	-2.17e-03	-9.65
		-9.65	-2.23e-03	-5.53e-05	0.0	53.6	4.39	1.67	-2.34e-03	0.0	-2.23e-03	-7.13
303	232	2.73	2.76e-03	-5.33e-05	-6.06	0.0	-0.25	0.85	7.51e-03	0.0	-6.14e-05	2.69
		1.53	-6.14e-05	9.03e-05	0.0	53.6	-0.25	-5.21	7.51e-03	0.0	2.76e-03	1.53
303	235	-7.15	-1.84e-03	2.26e-04	-6.06	0.0	4.39	7.75	-4.88e-03	0.0	-1.84e-03	-9.68
		-9.68	-3.25e-03	-7.61e-05	0.0	53.6	4.39	1.69	-4.88e-03	0.0	-3.25e-03	-7.15
304	19	-1.53	3.33e-03	6.43e-05	-5.65	0.0	1.70	2.67	-7.82e-03	0.0	3.33e-03	-1.87
		-1.95	-8.64e-04	5.20e-06	0.0	53.6	1.70	-2.98	-7.82e-03	0.0	-8.64e-04	-1.95
304	28	-5.40	4.31e-03	2.35e-04	-12.04	0.0	4.62	5.61	-0.01	0.0	4.31e-03	-6.10
		-6.32	-1.25e-03	1.11e-05	0.0	53.6	4.62	-6.43	-0.01	0.0	-1.25e-03	-6.32
304	49	-3.06	4.43e-03	1.32e-04	-8.30	0.0	2.99	4.05	-0.01	0.0	4.43e-03	-3.59
		-3.65	-1.21e-03	8.20e-06	0.0	53.6	2.99	-4.24	-0.01	0.0	-1.21e-03	-3.65
304	51	-4.97	4.40e-03	2.10e-04	-8.30	0.0	4.41	3.76	-0.01	0.0	4.40e-03	-5.42
		-5.63	-1.26e-03	1.09e-05	0.0	53.6	4.41	-4.54	-0.01	0.0	-1.26e-03	-5.63
304	72	-1.85	3.35e-03	7.88e-05	-6.06	0.0	1.93	2.89	-7.91e-03	0.0	3.35e-03	-2.22
		-2.29	-8.88e-04	5.64e-06	0.0	53.6	1.93	-3.17	-7.91e-03	0.0	-8.88e-04	-2.29
304	80	-3.84	3.33e-03	1.67e-04	-8.56	0.0	3.32	4.02	-7.99e-03	0.0	3.33e-03	-4.34
		-4.48	-9.58e-04	8.11e-06	0.0	53.6	3.32	-4.54	-7.99e-03	0.0	-9.58e-04	-4.48
304	89	-2.28	3.41e-03	9.78e-05	-6.06	0.0	2.23	2.98	-8.08e-03	0.0	3.41e-03	-2.67
		-2.70	-9.30e-04	6.17e-06	0.0	53.6	2.23	-3.08	-8.08e-03	0.0	-9.30e-04	-2.70
304	91	-3.55	3.39e-03	1.50e-04	-6.06	0.0	3.18	2.78	-8.11e-03	0.0	3.39e-03	-3.89
		-4.02	-9.64e-04	7.96e-06	0.0	53.6	3.18	-3.28	-8.11e-03	0.0	-9.64e-04	-4.02
304	97	-2.28	3.41e-03	9.78e-05	-6.06	0.0	2.23	2.98	-8.08e-03	0.0	3.41e-03	-2.67
		-2.70	-9.30e-04	6.17e-06	0.0	53.6	2.23	-3.08	-8.08e-03	0.0	-9.30e-04	-2.70
304	98	-3.17	3.39e-03	1.34e-04	-6.06	0.0	2.89	2.84	-8.11e-03	0.0	3.39e-03	-3.53
		-3.63	-9.54e-04	7.42e-06	0.0	53.6	2.89	-3.22	-8.11e-03	0.0	-9.54e-04	-3.63
304	102	-2.19	3.40e-03	9.40e-05	-6.06	0.0	2.17	2.96	-8.05e-03	0.0	3.40e-03	-2.58
		-2.62	-9.21e-04	6.07e-06	0.0	53.6	2.17	-3.10	-8.05e-03	0.0	-9.21e-04	-2.62
304	106	-2.28	3.41e-03	9.78e-05	-6.06	0.0	2.23	2.98	-8.08e-03	0.0	3.41e-03	-2.67
		-2.70	-9.30e-04	6.17e-06	0.0	53.6	2.23	-3.08	-8.08e-03	0.0	-9.30e-04	-2.70
304	107	-3.04	3.40e-03	1.29e-04	-6.06	0.0	2.80	2.86	-8.10e-03	0.0	3.40e-03	-3.40
		-3.49	-9.50e-04	7.25e-06	0.0	53.6	2.80	-3.20	-8.10e-03	0.0	-9.50e-04	-3.49
304	112	-0.64	8.29e-04	5.09e-05	-6.06	0.0	1.47	2.20	7.63e-03	0.0	-3.28e-03	-0.87
		-1.28	-3.28e-03	7.38e-05	0.0	53.6	1.47	-3.86	7.63e-03	0.0	8.29e-04	-1.28
304	115	-5.41	0.01	2.07e-04	-6.06	0.0	4.13	3.52	-0.02	0.0	0.01	-5.94
		-5.94	-2.73e-03	-5.93e-05	0.0	53.6	4.13	-2.54	-0.02	0.0	-2.73e-03	-5.94
304	124	1.96	3.58e-03	-2.64e-05	-6.06	0.0	0.16	1.50	-8.60e-03	0.0	3.58e-03	1.86
		1.04	-1.04e-03	-1.30e-05	0.0	53.6	0.16	-4.57	-8.60e-03	0.0	-1.04e-03	1.04
304	127	-7.88	3.21e-03	2.83e-04	-6.06	0.0	5.44	4.23	-7.60e-03	0.0	3.21e-03	-8.67
		-8.67	-8.64e-04	2.75e-05	0.0	53.6	5.44	-1.83	-7.60e-03	0.0	-8.64e-04	-8.67
304	136	2.17	4.24e-04	-3.43e-05	-6.06	0.0	0.18	1.57	-1.18e-03	0.0	4.24e-04	2.06
		1.28	-2.04e-04	5.92e-05	0.0	53.6	0.18	-4.49	-1.18e-03	0.0	-2.04e-04	1.28
304	139	-8.11	6.37e-03	2.92e-04	-6.06	0.0	5.42	4.15	-0.02	0.0	6.37e-03	-8.87
		-8.87	-1.70e-03	-4.47e-05	0.0	53.6	5.42	-1.91	-0.02	0.0	-1.70e-03	-8.87
304	144	-0.34	1.05e-03	4.11e-05	-6.06	0.0	1.30	2.12	9.60e-03	0.0	-4.11e-03	-0.55
		-1.01	-4.11e-03	8.28e-05	0.0	53.6	1.30	-3.94	9.60e-03	0.0	1.05e-03	-1.01
304	147	-5.70	0.01	2.17e-04	-6.06	0.0	4.30	3.60	-0.03	0.0	0.01	-6.26
		-6.26	-2.95e-03	-6.83e-05	0.0	53.6	4.30	-2.46	-0.03	0.0	-2.95e-03	-5.98
304	156	2.59	3.59e-03	-4.40e-05	-6.06	0.0	-0.17	1.32	-8.65e-03	0.0	3.59e-03	2.51
		1.61	-1.05e-03	-1.47e-05	0.0	53.6	-0.17	-4.74	-8.65e-03	0.0	-1.05e-03	1.61

304	159	-8.47	3.20e-03	3.02e-04	-6.06	0.0	5.76	4.40	-7.56e-03	0.0	3.20e-03	-9.32
		-9.32	-8.55e-04	2.92e-05	0.0	53.6	5.76	-1.66	-7.56e-03	0.0	-8.55e-04	-8.60
304	168	2.83	6.33e-05	-5.44e-05	-6.06	0.0	-0.15	1.41	-3.42e-04	0.0	6.33e-05	2.74
		1.88	-1.14e-04	6.67e-05	0.0	53.6	-0.15	-4.65	-3.42e-04	0.0	-1.14e-04	1.88
304	171	-8.73	6.73e-03	3.12e-04	-6.06	0.0	5.75	4.32	-0.02	0.0	6.73e-03	-9.55
		-9.55	-1.79e-03	-5.22e-05	0.0	53.6	5.75	-1.75	-0.02	0.0	-1.79e-03	-8.87
304	176	-0.37	9.54e-04	4.24e-05	-6.06	0.0	1.31	2.13	8.89e-03	0.0	-3.83e-03	-0.58
		-1.04	-3.83e-03	1.05e-04	0.0	53.6	1.31	-3.94	8.89e-03	0.0	9.54e-04	-1.04
304	179	-5.67	0.01	2.16e-04	-6.06	0.0	4.29	3.60	-0.03	0.0	0.01	-6.23
		-6.23	-2.85e-03	-9.01e-05	0.0	53.6	4.29	-2.46	-0.03	0.0	-2.85e-03	-5.95
304	196	2.74	1.17e-04	-5.17e-05	-6.06	0.0	-0.13	1.42	1.64e-03	0.0	-7.71e-04	2.65
		1.79	-7.71e-04	6.16e-05	0.0	53.6	-0.13	-4.64	1.64e-03	0.0	1.17e-04	1.79
304	199	-8.65	7.56e-03	3.10e-04	-6.06	0.0	5.72	4.31	-0.02	0.0	7.56e-03	-9.46
		-9.46	-2.02e-03	-4.71e-05	0.0	53.6	5.72	-1.76	-0.02	0.0	-2.02e-03	-8.78
304	200	2.76	2.46e-04	-5.23e-05	-6.06	0.0	-0.12	1.43	-7.92e-04	0.0	2.46e-04	2.67
		1.81	-1.73e-04	7.40e-05	0.0	53.6	-0.12	-4.64	-7.92e-04	0.0	-1.73e-04	1.81
304	203	-8.66	6.55e-03	3.10e-04	-6.06	0.0	5.72	4.30	-0.02	0.0	6.55e-03	-9.48
		-9.48	-1.73e-03	-5.95e-05	0.0	53.6	5.72	-1.76	-0.02	0.0	-1.73e-03	-8.80
304	208	0.07	1.23e-03	2.81e-05	-6.06	0.0	1.05	2.00	0.01	0.0	-4.94e-03	-0.11
		-0.64	-4.94e-03	1.35e-04	0.0	53.6	1.05	-4.06	0.01	0.0	1.23e-03	-0.64
304	211	-6.10	0.01	2.30e-04	-6.06	0.0	4.54	3.73	-0.03	0.0	0.01	-6.70
		-6.70	-3.13e-03	-1.20e-04	0.0	53.6	4.54	-2.34	-0.03	0.0	-3.13e-03	-6.35
304	228	3.71	2.73e-04	-8.15e-05	-6.06	0.0	-0.61	1.18	3.12e-03	0.0	-1.41e-03	3.65
		2.66	-1.41e-03	7.13e-05	0.0	53.6	-0.61	-4.88	3.12e-03	0.0	2.73e-04	2.66
304	231	-9.55	8.20e-03	3.39e-04	-6.06	0.0	6.21	4.54	-0.02	0.0	8.20e-03	-10.46
		-10.46	-2.17e-03	-5.68e-05	0.0	53.6	6.21	-1.52	-0.02	0.0	-2.17e-03	-9.65
304	232	3.74	-6.14e-05	-8.25e-05	-6.06	0.0	-0.61	1.18	3.00e-04	0.0	-2.29e-04	3.68
		2.69	-2.29e-04	8.99e-05	0.0	53.6	-0.61	-4.88	3.00e-04	0.0	-6.14e-05	2.69
304	235	-9.58	7.02e-03	3.40e-04	-6.06	0.0	6.21	4.54	-0.02	0.0	7.02e-03	-10.49
		-10.49	-1.84e-03	-7.55e-05	0.0	53.6	6.21	-1.52	-0.02	0.0	-1.84e-03	-9.68
305	19	-1.12	3.33e-03	8.85e-05	-5.65	0.0	2.47	1.68	0.01	0.0	-2.98e-03	-1.25
		-1.87	-2.98e-03	4.82e-06	0.0	53.6	2.47	-3.97	0.01	0.0	3.33e-03	-1.87
305	20	-1.06	3.28e-03	9.93e-05	-9.39	0.0	2.60	3.27	0.01	0.0	-2.88e-03	-1.37
		-2.13	-2.88e-03	5.26e-06	0.0	53.6	2.60	-6.12	0.01	0.0	3.28e-03	-2.13
305	28	-4.03	4.31e-03	3.16e-04	-12.04	0.0	6.14	2.40	0.02	0.0	-4.31e-03	-4.16
		-6.10	-4.31e-03	1.06e-05	0.0	53.6	6.14	-9.64	0.02	0.0	4.31e-03	-6.10
305	43	-3.92	4.33e-03	2.89e-04	-8.30	0.0	5.53	1.18	0.02	0.0	-4.51e-03	-3.97
		-5.56	-4.51e-03	9.22e-06	0.0	53.6	5.53	-7.12	0.02	0.0	4.33e-03	-5.56
305	49	-2.42	4.43e-03	1.78e-04	-8.30	0.0	4.02	2.27	0.02	0.0	-4.14e-03	-2.59
		-3.59	-4.14e-03	7.69e-06	0.0	53.6	4.02	-6.03	0.02	0.0	4.43e-03	-3.59
305	72	-1.39	3.35e-03	1.07e-04	-6.06	0.0	2.73	1.74	0.01	0.0	-3.04e-03	-1.53
		-2.22	-3.04e-03	5.25e-06	0.0	53.6	2.73	-4.32	0.01	0.0	3.35e-03	-2.22
305	73	-1.35	3.32e-03	1.15e-04	-8.56	0.0	2.81	2.81	0.01	0.0	-2.98e-03	-1.60
		-2.39	-2.98e-03	5.55e-06	0.0	53.6	2.81	-5.76	0.01	0.0	3.32e-03	-2.39
305	80	-2.89	3.33e-03	2.24e-04	-8.56	0.0	4.42	1.75	0.01	0.0	-3.30e-03	-2.99
		-4.34	-3.30e-03	7.72e-06	0.0	53.6	4.42	-6.81	0.01	0.0	3.33e-03	-4.34
305	87	-2.82	3.34e-03	2.06e-04	-6.06	0.0	4.01	0.94	0.01	0.0	-3.44e-03	-2.86
		-3.98	-3.44e-03	6.80e-06	0.0	53.6	4.01	-5.13	0.01	0.0	3.34e-03	-3.98
305	89	-1.82	3.41e-03	1.32e-04	-6.06	0.0	3.01	1.66	0.01	0.0	-3.19e-03	-1.94
		-2.67	-3.19e-03	5.78e-06	0.0	53.6	3.01	-4.40	0.01	0.0	3.41e-03	-2.67
305	97	-1.82	3.41e-03	1.32e-04	-6.06	0.0	3.01	1.66	0.01	0.0	-3.19e-03	-1.94
		-2.67	-3.19e-03	5.78e-06	0.0	53.6	3.01	-4.40	0.01	0.0	3.41e-03	-2.67
305	98	-2.40	3.39e-03	1.81e-04	-6.06	0.0	3.88	1.02	0.01	0.0	-3.22e-03	-2.45
		-3.53	-3.22e-03	7.03e-06	0.0	53.6	3.88	-5.05	0.01	0.0	3.39e-03	-3.53
305	102	-1.73	3.40e-03	1.27e-04	-6.06	0.0	2.95	1.68	0.01	0.0	-3.16e-03	-1.86
		-2.58	-3.16e-03	5.68e-06	0.0	53.6	2.95	-4.38	0.01	0.0	3.40e-03	-2.58
305	105	-2.40	3.39e-03	1.79e-04	-6.06	0.0	3.78	1.09	0.01	0.0	-3.26e-03	-2.46
		-3.50	-3.26e-03	6.81e-06	0.0	53.6	3.78	-4.97	0.01	0.0	3.39e-03	-3.50
305	106	-1.82	3.41e-03	1.32e-04	-6.06	0.0	3.01	1.66	0.01	0.0	-3.19e-03	-1.94
		-2.67	-3.19e-03	5.78e-06	0.0	53.6	3.01	-4.40	0.01	0.0	3.41e-03	-2.67
305	107	-2.32	3.40e-03	1.74e-04	-6.06	0.0	3.76	1.11	0.01	0.0	-3.22e-03	-2.37
		-3.40	-3.22e-03	6.85e-06	0.0	53.6	3.76	-4.95	0.01	0.0	3.40e-03	-3.40
305	115	-4.70	0.01	2.85e-04	-6.06	0.0	5.64	1.21	0.02	0.0	-3.73e-03	-4.72
		-5.94	-3.73e-03	-4.99e-05	0.0	53.6	5.64	-4.85	0.02	0.0	0.01	-5.94
305	124	2.69	3.58e-03	-4.58e-05	-6.06	0.0	-0.12	1.61	1.61e-03	0.0	-6.95e-04	2.55
		1.86	-6.95e-04	-2.01e-05	0.0	53.6	-0.12	-4.45	1.61e-03	0.0	3.58e-03	1.86
305	125	-6.72	-4.22e-04	3.67e-04	-6.06	0.0	7.13	0.38	0.02	0.0	-5.88e-03	-6.73
		-8.07	-5.88e-03	6.15e-05	0.0	53.6	7.13	-5.68	0.02	0.0	-4.22e-04	-8.07
305	127	-7.29	3.21e-03	3.94e-04	-6.06	0.0	7.63	0.61	0.02	0.0	-5.74e-03	-7.30
		-8.67	-5.74e-03	3.38e-05	0.0	53.6	7.63	-5.45	0.02	0.0	3.21e-03	-8.67
305	132	2.77	-4.69e-04	-5.87e-05	-6.06	0.0	-0.03	1.91	5.36e-03	0.0	-8.57e-04	2.59
		2.05	-8.57e-04	5.60e-05	0.0	53.6	-0.03	-4.16	5.36e-03	0.0	-4.69e-04	2.05
305	139	-7.33	6.37e-03	4.07e-04	-6.06	0.0	7.53	0.29	0.02	0.0	-5.70e-03	-7.33
		-8.87	-5.70e-03	-4.37e-05	0.0	53.6	7.53	-5.77	0.02	0.0	6.37e-03	-8.87
305	147	-4.99	0.01	2.98e-04	-6.06	0.0	5.88	1.22	0.03	0.0	-3.79e-03	-5.02

		-6.26	-3.79e-03	-5.77e-05	0.0	53.6	5.88	-4.84	0.03	0.0	0.01	-6.26
305	156	3.31	3.59e-03	-7.31e-05	-6.06	0.0	-0.60	1.67	2.77e-04	0.0	-3.82e-04	3.17
		2.51	-3.82e-04	-2.27e-05	0.0	53.6	-0.60	-4.39	2.77e-04	0.0	3.59e-03	2.51
305	157	-7.27	-8.93e-04	3.91e-04	-6.06	0.0	7.55	0.29	0.02	0.0	-6.20e-03	-7.27
		-8.65	-6.20e-03	6.81e-05	0.0	53.6	7.55	-5.77	0.02	0.0	-8.93e-04	-8.65
305	159	-7.91	3.20e-03	4.21e-04	-6.06	0.0	8.11	0.55	0.02	0.0	-6.06e-03	-7.91
		-9.32	-6.06e-03	3.64e-05	0.0	53.6	8.11	-5.52	0.02	0.0	3.20e-03	-9.32
305	168	3.41	6.33e-05	-8.82e-05	-6.06	0.0	-0.50	2.03	6.20e-03	0.0	-4.34e-04	3.20
		2.74	-4.34e-04	6.47e-05	0.0	53.6	-0.50	-4.03	6.20e-03	0.0	6.33e-05	2.74
305	171	-7.95	6.73e-03	4.36e-04	-6.06	0.0	8.01	0.19	0.02	0.0	-6.00e-03	-7.95
		-9.55	-6.00e-03	-5.10e-05	0.0	53.6	8.01	-5.87	0.02	0.0	6.73e-03	-9.55
305	179	-4.97	0.01	2.97e-04	-6.06	0.0	5.87	1.20	0.03	0.0	-3.80e-03	-5.00
		-6.23	-3.80e-03	-7.99e-05	0.0	53.6	5.87	-4.87	0.03	0.0	0.01	-6.23
305	188	3.21	3.53e-03	-6.83e-05	-6.06	0.0	-0.53	1.66	5.92e-04	0.0	-4.34e-04	3.07
		2.40	-4.34e-04	-8.42e-06	0.0	53.6	-0.53	-4.40	5.92e-04	0.0	3.53e-03	2.40
305	189	-7.17	-6.77e-04	3.87e-04	-6.06	0.0	7.48	0.32	0.02	0.0	-6.14e-03	-7.18
		-8.55	-6.14e-03	6.84e-05	0.0	53.6	7.48	-5.74	0.02	0.0	-6.77e-04	-8.55
305	191	-7.81	3.26e-03	4.16e-04	-6.06	0.0	8.04	0.56	0.02	0.0	-6.00e-03	-7.82
		-9.21	-6.00e-03	2.21e-05	0.0	53.6	8.04	-5.51	0.02	0.0	3.26e-03	-9.21
305	200	3.35	2.46e-04	-8.52e-05	-6.06	0.0	-0.46	2.03	6.64e-03	0.0	-4.85e-04	3.14
		2.67	-4.85e-04	7.22e-05	0.0	53.6	-0.46	-4.04	6.64e-03	0.0	2.46e-04	2.67
305	203	-7.89	6.55e-03	4.33e-04	-6.06	0.0	7.97	0.19	0.02	0.0	-5.95e-03	-7.89
		-9.48	-5.95e-03	-5.85e-05	0.0	53.6	7.97	-5.87	0.02	0.0	6.55e-03	-9.48
305	211	-5.42	0.01	3.17e-04	-6.06	0.0	6.23	1.20	0.03	0.0	-3.90e-03	-5.44
		-6.70	-3.90e-03	-1.09e-04	0.0	53.6	6.23	-4.87	0.03	0.0	0.01	-6.70
305	221	-7.94	-1.28e-03	4.21e-04	-6.06	0.0	8.07	0.20	0.02	0.0	-6.61e-03	-7.94
		-9.37	-6.61e-03	7.99e-05	0.0	53.6	8.07	-5.86	0.02	0.0	-1.28e-03	-9.37
305	224	4.13	4.71e-03	-1.09e-04	-6.06	0.0	-1.22	1.78	7.32e-04	0.0	1.59e-04	3.97
		3.37	1.59e-04	1.29e-05	0.0	53.6	-1.22	-4.28	7.32e-04	0.0	4.71e-03	3.37
305	227	-8.71	2.08e-03	4.57e-04	-6.06	0.0	8.73	0.44	0.02	0.0	-6.60e-03	-8.72
		-10.18	-6.60e-03	0.0	0.0	53.6	8.73	-5.62	0.02	0.0	2.08e-03	-10.18
305	232	4.30	-4.17e-05	-1.28e-04	-6.06	0.0	-1.16	2.18	5.79e-03	0.0	-4.17e-05	4.06
		3.68	-2.29e-04	8.82e-05	0.0	53.6	-1.16	-3.88	5.79e-03	0.0	-2.29e-04	3.68
305	235	-8.81	7.02e-03	4.76e-04	-6.06	0.0	8.67	0.04	0.02	0.0	-6.40e-03	-8.81
		-10.49	-6.40e-03	-7.45e-05	0.0	53.6	8.67	-6.03	0.02	0.0	7.02e-03	-10.49
306	12	0.09	6.41e-04	1.49e-04	-13.64	0.0	2.77	4.20	-6.33e-03	0.0	6.41e-04	-0.27
		-1.72	-2.88e-03	6.59e-06	0.0	55.7	2.77	-9.44	-6.33e-03	0.0	-2.88e-03	-1.72
306	19	-0.23	4.40e-04	1.07e-04	-5.86	0.0	2.37	1.22	-6.13e-03	0.0	4.40e-04	-0.30
		-1.25	-2.98e-03	5.36e-06	0.0	55.7	2.37	-4.64	-6.13e-03	0.0	-2.98e-03	-1.25
306	28	-1.09	5.17e-04	3.81e-04	-12.50	0.0	5.90	0.77	-8.68e-03	0.0	5.17e-04	-1.11
		-4.16	-4.31e-03	1.15e-05	0.0	55.7	5.90	-11.73	-8.68e-03	0.0	-4.31e-03	-4.16
306	43	-1.37	5.13e-04	3.50e-04	-8.61	0.0	5.38	-0.36	-9.02e-03	0.0	5.13e-04	-1.37
		-3.97	-4.51e-03	1.01e-05	0.0	55.7	5.38	-8.97	-9.02e-03	0.0	-4.51e-03	-3.97
306	57	-0.38	8.71e-04	2.40e-04	-16.39	0.0	4.15	4.43	-8.68e-03	0.0	8.71e-04	-0.71
		-2.81	-3.96e-03	9.37e-06	0.0	55.7	4.15	-11.96	-8.68e-03	0.0	-3.96e-03	-2.81
306	69	-0.17	6.09e-04	1.58e-04	-11.48	0.0	2.90	3.17	-6.45e-03	0.0	6.09e-04	-0.41
		-1.84	-2.98e-03	6.64e-06	0.0	55.7	2.90	-8.31	-6.45e-03	0.0	-2.98e-03	-1.84
306	72	-0.37	4.75e-04	1.30e-04	-6.29	0.0	2.63	1.18	-6.32e-03	0.0	4.75e-04	-0.43
		-1.53	-3.04e-03	5.82e-06	0.0	55.7	2.63	-5.11	-6.32e-03	0.0	-3.04e-03	-1.53
306	80	-0.83	4.24e-04	2.70e-04	-8.88	0.0	4.26	0.59	-6.70e-03	0.0	4.24e-04	-0.84
		-2.99	-3.30e-03	8.41e-06	0.0	55.7	4.26	-8.30	-6.70e-03	0.0	-3.30e-03	-2.99
306	87	-1.01	4.21e-04	2.50e-04	-6.29	0.0	3.91	-0.17	-6.93e-03	0.0	4.21e-04	-1.01
		-2.86	-3.44e-03	7.47e-06	0.0	55.7	3.91	-6.46	-6.93e-03	0.0	-3.44e-03	-2.86
306	93	-0.36	6.60e-04	1.76e-04	-11.48	0.0	3.09	3.03	-6.70e-03	0.0	6.60e-04	-0.58
		-2.09	-3.07e-03	6.98e-06	0.0	55.7	3.09	-8.45	-6.70e-03	0.0	-3.07e-03	-2.09
306	98	-0.73	4.34e-04	2.19e-04	-6.29	0.0	3.75	0.06	-6.57e-03	0.0	4.34e-04	-0.73
		-2.45	-3.22e-03	7.68e-06	0.0	55.7	3.75	-6.23	-6.57e-03	0.0	-3.22e-03	-2.45
306	99	-0.62	5.79e-04	1.64e-04	-7.33	0.0	2.97	1.36	-6.73e-03	0.0	5.79e-04	-0.69
		-1.97	-3.17e-03	6.50e-06	0.0	55.7	2.97	-5.97	-6.73e-03	0.0	-3.17e-03	-1.97
306	102	-0.62	5.42e-04	1.55e-04	-6.29	0.0	2.88	0.99	-6.65e-03	0.0	5.42e-04	-0.66
		-1.86	-3.16e-03	6.27e-06	0.0	55.7	2.88	-5.30	-6.65e-03	0.0	-3.16e-03	-1.86
306	105	-0.78	4.49e-04	2.17e-04	-6.29	0.0	3.66	0.14	-6.67e-03	0.0	4.49e-04	-0.78
		-2.46	-3.26e-03	7.46e-06	0.0	55.7	3.66	-6.15	-6.67e-03	0.0	-3.26e-03	-2.46
306	106	-0.68	5.59e-04	1.61e-04	-6.29	0.0	2.94	0.95	-6.74e-03	0.0	5.59e-04	-0.71
		-1.94	-3.19e-03	6.38e-06	0.0	55.7	2.94	-5.35	-6.74e-03	0.0	-3.19e-03	-1.94
306	107	-0.73	4.52e-04	2.11e-04	-6.29	0.0	3.63	0.19	-6.60e-03	0.0	4.52e-04	-0.73
		-2.37	-3.22e-03	7.50e-06	0.0	55.7	3.63	-6.10	-6.60e-03	0.0	-3.22e-03	-2.37
306	124	3.13	2.86e-03	-8.32e-05	-6.29	0.0	-0.65	2.42	-5.75e-03	0.0	2.86e-03	2.81
		2.55	-6.95e-04	-2.82e-05	0.0	55.7	-0.65	-3.87	-5.75e-03	0.0	-6.95e-04	2.55
306	125	-3.76	-1.17e-03	4.69e-04	-6.29	0.0	7.35	-2.50	-9.08e-03	0.0	-1.17e-03	-3.76
		-6.73	-5.88e-03	6.45e-05	0.0	55.7	7.35	-8.79	-9.08e-03	0.0	-5.88e-03	-6.73
306	127	-4.27	-1.96e-03	5.04e-04	-6.29	0.0	7.91	-2.04	-7.44e-03	0.0	-1.96e-03	-4.27
		-7.30	-5.74e-03	4.32e-05	0.0	55.7	7.91	-8.33	-7.44e-03	0.0	-5.74e-03	-7.30
306	128	3.11	2.93e-03	-8.37e-05	-6.29	0.0	-0.63	2.44	-5.73e-03	0.0	2.93e-03	2.78
		2.55	-5.81e-04	-2.87e-05	0.0	55.7	-0.63	-3.86	-5.73e-03	0.0	-5.81e-04	2.55

306	135	-3.98	-5.44e-04	5.21e-04	-6.29	0.0	7.76	-2.61	-0.01	0.0	-5.44e-04	-3.98
		-7.33	-5.58e-03	-4.36e-05	0.0	55.7	7.76	-8.90	-0.01	0.0	-5.58e-03	-7.33
306	156	3.65	3.16e-03	-1.20e-04	-6.29	0.0	-1.18	2.69	-5.66e-03	0.0	3.16e-03	3.25
		3.17	-3.82e-04	-3.20e-05	0.0	55.7	-1.18	-3.60	-5.66e-03	0.0	-3.82e-04	3.17
306	157	-4.13	-1.37e-03	5.01e-04	-6.29	0.0	7.82	-2.84	-9.39e-03	0.0	-1.37e-03	-4.13
		-7.27	-6.20e-03	7.14e-05	0.0	55.7	7.82	-9.13	-9.39e-03	0.0	-6.20e-03	-7.27
306	159	-4.71	-2.26e-03	5.41e-04	-6.29	0.0	8.44	-2.31	-7.53e-03	0.0	-2.26e-03	-4.71
		-7.91	-6.06e-03	4.70e-05	0.0	55.7	8.44	-8.61	-7.53e-03	0.0	-6.06e-03	-7.91
306	160	3.63	3.24e-03	-1.20e-04	-6.29	0.0	-1.16	2.72	-5.62e-03	0.0	3.24e-03	3.21
		3.16	-2.53e-04	-3.12e-05	0.0	55.7	-1.16	-3.58	-5.62e-03	0.0	-2.53e-04	3.16
306	167	-4.39	-6.64e-04	5.60e-04	-6.29	0.0	8.27	-2.96	-0.01	0.0	-6.64e-04	-4.39
		-7.95	-5.88e-03	-4.97e-05	0.0	55.7	8.27	-9.25	-0.01	0.0	-5.88e-03	-7.95
306	188	3.57	3.10e-03	-1.13e-04	-6.29	0.0	-1.10	2.65	-5.76e-03	0.0	3.10e-03	3.19
		3.07	-4.34e-04	-1.73e-05	0.0	55.7	-1.10	-3.64	-5.76e-03	0.0	-4.34e-04	3.07
306	189	-4.07	-1.37e-03	4.96e-04	-6.29	0.0	7.73	-2.75	-9.15e-03	0.0	-1.37e-03	-4.07
		-7.18	-6.14e-03	7.21e-05	0.0	55.7	7.73	-9.05	-9.15e-03	0.0	-6.14e-03	-7.18
306	191	-4.64	-2.20e-03	5.35e-04	-6.29	0.0	8.37	-2.27	-7.43e-03	0.0	-2.20e-03	-4.64
		-7.82	-6.00e-03	3.23e-05	0.0	55.7	8.37	-8.56	-7.43e-03	0.0	-6.00e-03	-7.82
306	192	3.56	3.15e-03	-1.15e-04	-6.29	0.0	-1.09	2.67	-5.68e-03	0.0	3.15e-03	3.16
		3.08	-3.10e-04	-9.23e-06	0.0	55.7	-1.09	-3.62	-5.68e-03	0.0	-3.10e-04	3.08
306	203	-4.31	-6.04e-04	5.56e-04	-6.29	0.0	8.21	-2.95	-0.01	0.0	-6.04e-04	-4.31
		-7.89	-5.95e-03	-5.83e-05	0.0	55.7	8.21	-9.25	-0.01	0.0	-5.95e-03	-7.89
306	220	4.33	3.52e-03	-1.66e-04	-6.29	0.0	-1.87	3.05	-5.65e-03	0.0	3.52e-03	3.82
		3.82	1.50e-05	-1.34e-05	0.0	55.7	-1.87	-3.24	-5.65e-03	0.0	1.50e-05	3.95
306	221	-4.60	-1.67e-03	5.41e-04	-6.29	0.0	8.39	-3.22	-9.49e-03	0.0	-1.67e-03	-4.60
		-7.94	-6.61e-03	8.45e-05	0.0	55.7	8.39	-9.51	-9.49e-03	0.0	-6.61e-03	-7.94
306	224	4.33	3.57e-03	-1.67e-04	-6.29	0.0	-1.87	3.07	-5.56e-03	0.0	3.57e-03	3.80
		3.80	1.59e-04	0.0	0.0	55.7	-1.87	-3.22	-5.56e-03	0.0	1.59e-04	3.97
306	227	-5.25	-2.66e-03	5.89e-04	-6.29	0.0	9.13	-2.69	-7.63e-03	0.0	-2.66e-03	-5.25
		-8.72	-6.60e-03	1.51e-05	0.0	55.7	9.13	-8.98	-7.63e-03	0.0	-6.60e-03	-8.72
306	235	-4.91	-7.32e-04	6.14e-04	-6.29	0.0	8.98	-3.47	-0.01	0.0	-7.32e-04	-4.91
		-8.81	-6.40e-03	-7.46e-05	0.0	55.7	8.98	-9.76	-0.01	0.0	-6.40e-03	-8.81
307	7	0.74	7.06e-04	2.35e-04	-5.86	0.0	2.44	0.74	-8.66e-04	0.0	7.06e-04	0.72
		-0.50	2.24e-04	8.45e-06	0.0	55.7	2.44	-5.13	-8.66e-04	0.0	2.24e-04	-0.50
307	9	1.42	2.00e-03	1.97e-04	-16.39	0.0	2.30	5.85	-2.17e-03	0.0	2.00e-03	0.84
		-0.46	7.96e-04	8.77e-06	0.0	55.7	2.30	-10.54	-2.17e-03	0.0	7.96e-04	-0.46
307	11	1.64	1.61e-03	2.77e-04	-16.39	0.0	2.91	5.20	-1.80e-03	0.0	1.61e-03	1.18
		-0.48	6.09e-04	1.07e-05	0.0	55.7	2.91	-11.19	-1.80e-03	0.0	6.09e-04	-0.48
307	19	0.46	1.27e-03	1.00e-04	-5.86	0.0	1.47	1.85	-1.49e-03	0.0	1.27e-03	0.30
		-0.30	4.40e-04	5.30e-06	0.0	55.7	1.47	-4.01	-1.49e-03	0.0	4.40e-04	-0.30
307	28	1.04	1.14e-03	3.65e-04	-12.50	0.0	3.38	2.67	-1.12e-03	0.0	1.14e-03	0.89
		-1.11	5.17e-04	1.15e-05	0.0	55.7	3.38	-9.83	-1.12e-03	0.0	5.17e-04	-1.11
307	43	0.47	1.04e-03	3.44e-04	-8.61	0.0	3.15	1.06	-9.52e-04	0.0	1.04e-03	0.44
		-1.37	5.13e-04	1.00e-05	0.0	55.7	3.15	-7.55	-9.52e-04	0.0	5.13e-04	-1.37
307	67	0.62	8.81e-04	2.14e-04	-6.29	0.0	2.26	1.10	-9.88e-04	0.0	8.81e-04	0.57
		-0.57	3.31e-04	7.86e-06	0.0	55.7	2.26	-5.19	-9.88e-04	0.0	3.31e-04	-0.57
307	69	0.94	1.51e-03	1.48e-04	-11.48	0.0	1.74	4.01	-1.61e-03	0.0	1.51e-03	0.55
		-0.41	6.09e-04	6.57e-06	0.0	55.7	1.74	-7.46	-1.61e-03	0.0	6.09e-04	-0.41
307	71	1.09	1.25e-03	2.01e-04	-11.48	0.0	2.14	3.57	-1.37e-03	0.0	1.25e-03	0.78
		-0.42	4.85e-04	7.88e-06	0.0	55.7	2.14	-7.90	-1.37e-03	0.0	4.85e-04	-0.42
307	72	0.44	1.26e-03	1.24e-04	-6.29	0.0	1.61	1.84	-1.40e-03	0.0	1.26e-03	0.29
		-0.43	4.75e-04	5.76e-06	0.0	55.7	1.61	-4.45	-1.40e-03	0.0	4.75e-04	-0.43
307	80	0.69	9.32e-04	2.60e-04	-8.88	0.0	2.46	1.89	-9.14e-04	0.0	9.32e-04	0.58
		-0.84	4.24e-04	8.36e-06	0.0	55.7	2.46	-6.99	-9.14e-04	0.0	4.24e-04	-0.84
307	87	0.31	8.68e-04	2.46e-04	-6.29	0.0	2.30	0.82	-8.04e-04	0.0	8.68e-04	0.28
		-1.01	4.21e-04	7.42e-06	0.0	55.7	2.30	-5.48	-8.04e-04	0.0	4.21e-04	-1.01
307	98	0.46	9.89e-04	2.12e-04	-6.29	0.0	2.20	1.11	-9.97e-04	0.0	9.89e-04	0.40
		-0.73	4.34e-04	7.63e-06	0.0	55.7	2.20	-5.18	-9.97e-04	0.0	4.34e-04	-0.73
307	99	0.39	1.30e-03	1.61e-04	-7.33	0.0	1.81	2.00	-1.30e-03	0.0	1.30e-03	0.24
		-0.69	5.79e-04	6.43e-06	0.0	55.7	1.81	-5.33	-1.30e-03	0.0	5.79e-04	-0.69
307	101	0.53	1.08e-03	2.06e-04	-7.33	0.0	2.16	1.63	-1.09e-03	0.0	1.08e-03	0.43
		-0.70	4.72e-04	7.56e-06	0.0	55.7	2.16	-5.70	-1.09e-03	0.0	4.72e-04	-0.70
307	102	0.31	1.25e-03	1.52e-04	-6.29	0.0	1.76	1.61	-1.27e-03	0.0	1.25e-03	0.20
		-0.66	5.42e-04	6.20e-06	0.0	55.7	1.76	-4.69	-1.27e-03	0.0	5.42e-04	-0.66
307	105	0.40	1.00e-03	2.11e-04	-6.29	0.0	2.17	1.11	-9.93e-04	0.0	1.00e-03	0.35
		-0.78	4.49e-04	7.40e-06	0.0	55.7	2.17	-5.18	-9.93e-04	0.0	4.49e-04	-0.78
307	106	0.28	1.25e-03	1.59e-04	-6.29	0.0	1.80	1.55	-1.24e-03	0.0	1.25e-03	0.18
		-0.71	5.59e-04	6.31e-06	0.0	55.7	1.80	-4.75	-1.24e-03	0.0	5.59e-04	-0.71
307	107	0.43	1.03e-03	2.04e-04	-6.29	0.0	2.15	1.17	-1.03e-03	0.0	1.03e-03	0.37
		-0.73	4.52e-04	7.44e-06	0.0	55.7	2.15	-5.12	-1.03e-03	0.0	4.52e-04	-0.73
307	124	2.99	3.41e-03	-1.30e-04	-6.29	0.0	-0.85	4.07	-1.58e-03	0.0	3.41e-03	2.19
		2.19	2.86e-03	-3.61e-05	0.0	55.7	-0.85	-2.22	-1.58e-03	0.0	2.86e-03	2.81
307	125	-0.92	-1.17e-03	4.99e-04	-6.29	0.0	4.71	-2.22	2.44e-03	0.0	-2.35e-03	-0.92
		-3.76	-2.35e-03	6.44e-05	0.0	55.7	4.71	-8.51	2.44e-03	0.0	-1.17e-03	-3.76
307	126	2.48	4.40e-03	-9.02e-05	-6.29	0.0	-0.42	4.56	-4.51e-03	0.0	4.40e-03	1.66

		1.66	2.07e-03	-4.95e-05	0.0	55.7	-0.42	-1.73	-4.51e-03	0.0	2.07e-03	2.30
307	127	-1.45	-1.36e-03	5.38e-04	-6.29	0.0	5.14	-1.73	-4.80e-04	0.0	-1.36e-03	-1.45
		-4.27	-1.96e-03	5.10e-05	0.0	55.7	5.14	-8.02	-4.80e-04	0.0	-1.96e-03	-4.27
307	156	3.37	3.71e-03	-1.71e-04	-6.29	0.0	-1.22	4.43	-1.65e-03	0.0	3.71e-03	2.42
		2.42	3.16e-03	-4.09e-05	0.0	55.7	-1.22	-1.86	-1.65e-03	0.0	3.16e-03	3.25
307	157	-1.08	-1.37e-03	5.35e-04	-6.29	0.0	5.03	-2.64	2.87e-03	0.0	-2.77e-03	-1.08
		-4.13	-2.77e-03	7.13e-05	0.0	55.7	5.03	-8.93	2.87e-03	0.0	-1.37e-03	-4.13
307	158	2.79	4.82e-03	-1.27e-04	-6.29	0.0	-0.74	4.98	-4.94e-03	0.0	4.82e-03	1.82
		1.82	2.27e-03	-5.65e-05	0.0	55.7	-0.74	-1.31	-4.94e-03	0.0	2.27e-03	2.68
307	159	-1.67	-1.66e-03	5.80e-04	-6.29	0.0	5.51	-2.09	-4.16e-04	0.0	-1.66e-03	-1.67
		-4.71	-2.26e-03	5.58e-05	0.0	55.7	5.51	-8.38	-4.16e-04	0.0	-2.26e-03	-4.71
307	188	3.31	3.67e-03	-1.64e-04	-6.29	0.0	-1.17	4.38	-1.60e-03	0.0	3.67e-03	2.38
		2.38	3.10e-03	-2.64e-05	0.0	55.7	-1.17	-1.92	-1.60e-03	0.0	3.10e-03	3.19
307	189	-1.06	-1.37e-03	5.29e-04	-6.29	0.0	4.98	-2.55	2.68e-03	0.0	-2.70e-03	-1.06
		-4.07	-2.70e-03	7.25e-05	0.0	55.7	4.98	-8.84	2.68e-03	0.0	-1.37e-03	-4.07
307	190	2.74	4.75e-03	-1.20e-04	-6.29	0.0	-0.68	4.89	-4.75e-03	0.0	4.75e-03	1.81
		1.81	2.27e-03	-5.76e-05	0.0	55.7	-0.68	-1.40	-4.75e-03	0.0	2.27e-03	2.61
307	191	-1.64	-1.62e-03	5.73e-04	-6.29	0.0	5.46	-2.03	-4.60e-04	0.0	-1.62e-03	-1.64
		-4.64	-2.20e-03	4.13e-05	0.0	55.7	5.46	-8.33	-4.60e-04	0.0	-2.20e-03	-4.64
307	220	3.88	4.10e-03	-2.23e-04	-6.29	0.0	-1.70	4.89	-1.69e-03	0.0	4.10e-03	2.70
		2.70	3.52e-03	-2.44e-05	0.0	55.7	-1.70	-1.40	-1.69e-03	0.0	3.52e-03	3.82
307	221	-1.30	-1.67e-03	5.81e-04	-6.29	0.0	5.43	-3.14	3.24e-03	0.0	-3.31e-03	-1.30
		-4.60	-3.31e-03	8.52e-05	0.0	55.7	5.43	-9.43	3.24e-03	0.0	-1.67e-03	-4.60
307	222	3.21	5.36e-03	-1.72e-04	-6.29	0.0	-1.14	5.48	-5.31e-03	0.0	5.36e-03	2.04
		2.04	2.58e-03	-7.03e-05	0.0	55.7	-1.14	-0.81	-5.31e-03	0.0	2.58e-03	3.15
307	223	-1.96	-2.05e-03	6.32e-04	-6.29	0.0	6.00	-2.55	-3.74e-04	0.0	-2.05e-03	-1.96
		-5.28	-2.61e-03	3.92e-05	0.0	55.7	6.00	-8.84	-3.74e-04	0.0	-2.61e-03	-5.28
308	11	1.81	9.23e-03	2.04e-04	-16.39	0.0	0.66	10.31	-0.01	0.0	9.23e-03	5.57e-03
		5.57e-03	1.61e-03	1.06e-05	0.0	55.7	0.66	-6.08	-0.01	0.0	1.61e-03	1.18
308	15	0.85	0.02	1.27e-04	-8.61	0.0	0.50	5.11	-0.03	0.0	0.02	4.38e-03
		4.38e-03	1.62e-03	7.39e-06	0.0	55.7	0.50	-3.50	-0.03	0.0	1.62e-03	0.45
308	19	0.57	0.01	7.80e-05	-5.86	0.0	0.35	3.46	-0.02	0.0	0.01	3.21e-03
		3.21e-03	1.27e-03	5.18e-06	0.0	55.7	0.35	-2.40	-0.02	0.0	1.27e-03	0.30
308	35	1.68	1.50e-03	2.67e-04	-16.39	0.0	0.74	9.93	8.49e-04	0.0	1.02e-03	5.47e-03
		5.47e-03	1.02e-03	1.09e-05	0.0	55.7	0.74	-6.46	8.49e-04	0.0	1.50e-03	0.97
308	45	0.38	1.08e-03	1.82e-04	-5.86	0.0	0.48	2.82	6.79e-04	0.0	7.00e-04	3.05e-03
		-0.06	7.00e-04	5.69e-06	0.0	55.7	0.48	-3.04	6.79e-04	0.0	1.08e-03	-0.06
308	48	0.96	8.78e-04	2.42e-04	-9.75	0.0	0.57	5.79	5.25e-03	0.0	-2.04e-03	4.48e-03
		4.48e-03	-2.04e-03	8.12e-06	0.0	55.7	0.57	-3.96	5.25e-03	0.0	8.78e-04	0.51
308	71	1.24	7.19e-03	1.51e-04	-11.48	0.0	0.49	7.13	-0.01	0.0	7.19e-03	4.08e-03
		4.08e-03	1.25e-03	7.75e-06	0.0	55.7	0.49	-4.35	-0.01	0.0	1.25e-03	0.78
308	72	0.60	0.01	9.95e-05	-6.29	0.0	0.39	3.67	-0.02	0.0	0.01	3.28e-03
		3.28e-03	1.26e-03	5.63e-06	0.0	55.7	0.39	-2.63	-0.02	0.0	1.26e-03	0.29
308	81	1.02	2.83e-03	1.50e-04	-11.48	0.0	0.50	6.47	-2.50e-03	0.0	2.83e-03	2.91e-03
		2.91e-03	1.43e-03	6.61e-06	0.0	55.7	0.50	-5.01	-2.50e-03	0.0	1.43e-03	0.41
308	83	1.15	1.72e-03	1.93e-04	-11.48	0.0	0.55	6.87	-9.89e-04	0.0	1.72e-03	4.01e-03
		4.01e-03	1.17e-03	7.95e-06	0.0	55.7	0.55	-4.60	-9.89e-04	0.0	1.17e-03	0.64
308	88	0.86	9.96e-04	2.09e-04	-8.88	0.0	0.54	5.22	4.06e-04	0.0	7.69e-04	4.13e-03
		4.13e-03	7.69e-04	7.60e-06	0.0	55.7	0.54	-3.67	4.06e-04	0.0	9.96e-04	0.44
308	98	0.66	5.69e-03	1.76e-04	-6.29	0.0	0.49	3.86	-8.45e-03	0.0	5.69e-03	4.33e-03
		4.33e-03	9.89e-04	7.52e-06	0.0	55.7	0.49	-2.43	-8.45e-03	0.0	9.89e-04	0.40
308	99	0.64	6.50e-03	1.33e-04	-7.33	0.0	0.45	4.09	-9.35e-03	0.0	6.50e-03	3.17e-03
		3.17e-03	1.30e-03	6.29e-06	0.0	55.7	0.45	-3.24	-9.35e-03	0.0	1.30e-03	0.24
308	101	0.75	5.56e-03	1.69e-04	-7.33	0.0	0.49	4.43	-8.05e-03	0.0	5.56e-03	4.11e-03
		4.11e-03	1.08e-03	7.44e-06	0.0	55.7	0.49	-2.89	-8.05e-03	0.0	1.08e-03	0.43
308	102	0.54	7.78e-03	1.27e-04	-6.29	0.0	0.43	3.50	-0.01	0.0	7.78e-03	3.24e-03
		3.24e-03	1.25e-03	6.07e-06	0.0	55.7	0.43	-2.79	-0.01	0.0	1.25e-03	0.20
308	106	0.53	6.79e-03	1.34e-04	-6.29	0.0	0.45	3.46	-9.96e-03	0.0	6.79e-03	3.23e-03
		3.23e-03	1.25e-03	6.18e-06	0.0	55.7	0.45	-2.83	-9.96e-03	0.0	1.25e-03	0.18
308	107	0.64	5.85e-03	1.70e-04	-6.29	0.0	0.48	3.81	-8.66e-03	0.0	5.85e-03	4.17e-03
		4.17e-03	1.03e-03	7.33e-06	0.0	55.7	0.48	-2.49	-8.66e-03	0.0	1.03e-03	0.37
308	124	2.19	0.03	-1.74e-04	-6.29	0.0	-0.30	7.07	-0.05	0.0	0.03	5.31e-03
		5.31e-03	3.41e-03	-4.38e-05	0.0	55.7	-0.30	0.78	-0.05	0.0	3.41e-03	2.19
308	125	0.10	-2.35e-03	4.74e-04	-6.29	0.0	1.14	1.48	0.07	0.0	-0.04	3.92e-03
		-0.92	-0.04	6.41e-05	0.0	55.7	1.14	-4.81	0.07	0.0	-2.35e-03	-0.92
308	126	1.66	0.05	-1.34e-04	-6.29	0.0	-0.17	6.13	-0.09	0.0	0.05	4.42e-03
		4.42e-03	4.40e-03	-4.95e-05	0.0	55.7	-0.17	-0.16	-0.09	0.0	4.40e-03	1.66
308	127	0.02	-1.36e-03	5.14e-04	-6.29	0.0	1.27	0.54	0.04	0.0	-0.02	3.04e-03
		-1.45	-0.02	5.85e-05	0.0	55.7	1.27	-5.75	0.04	0.0	-1.36e-03	-1.45
308	156	2.42	0.04	-2.17e-04	-6.29	0.0	-0.40	7.48	-0.06	0.0	0.04	5.44e-03
		5.44e-03	3.71e-03	-4.96e-05	0.0	55.7	-0.40	1.18	-0.06	0.0	3.71e-03	2.42
308	157	0.07	-2.77e-03	5.12e-04	-6.29	0.0	1.22	1.20	0.08	0.0	-0.05	3.89e-03
		-1.08	-0.05	7.11e-05	0.0	55.7	1.22	-5.10	0.08	0.0	-2.77e-03	-1.08
308	158	1.82	0.06	-1.72e-04	-6.29	0.0	-0.25	6.42	-0.10	0.0	0.06	4.45e-03
		4.45e-03	4.82e-03	-5.65e-05	0.0	55.7	-0.25	0.12	-0.10	0.0	4.82e-03	1.82

308	159	2.90e-03	-1.66e-03	5.57e-04	-6.29	0.0	1.37	0.14	0.04	0.0	-0.02	2.90e-03
		-1.67	-0.02	6.43e-05	0.0	55.7	1.37	-6.16	0.04	0.0	-1.66e-03	-1.67
308	188	2.38	0.04	-2.11e-04	-6.29	0.0	-0.39	7.41	-0.06	0.0	0.04	5.33e-03
		5.33e-03	3.67e-03	-3.55e-05	0.0	55.7	-0.39	1.12	-0.06	0.0	3.67e-03	2.38
308	189	0.07	-2.70e-03	5.05e-04	-6.29	0.0	1.20	1.23	0.08	0.0	-0.05	3.92e-03
		-1.06	-0.05	7.26e-05	0.0	55.7	1.20	-5.06	0.08	0.0	-2.70e-03	-1.06
308	190	1.81	0.06	-1.65e-04	-6.29	0.0	-0.24	6.38	-0.10	0.0	0.06	4.42e-03
		4.42e-03	4.75e-03	-5.79e-05	0.0	55.7	-0.24	0.09	-0.10	0.0	4.75e-03	1.81
308	191	3.21e-03	-1.62e-03	5.51e-04	-6.29	0.0	1.35	0.20	0.04	0.0	-0.02	3.01e-03
		-1.64	-0.02	5.01e-05	0.0	55.7	1.35	-6.09	0.04	0.0	-1.62e-03	-1.64
308	220	2.70	0.04	-2.73e-04	-6.29	0.0	-0.53	7.99	-0.07	0.0	0.04	5.49e-03
		5.49e-03	4.10e-03	-3.52e-05	0.0	55.7	-0.53	1.70	-0.07	0.0	4.10e-03	2.70
308	221	0.03	-3.31e-03	5.58e-04	-6.29	0.0	1.32	0.81	0.10	0.0	-0.06	3.89e-03
		-1.30	-0.06	8.56e-05	0.0	55.7	1.32	-5.48	0.10	0.0	-3.31e-03	-1.30
308	222	2.04	0.07	-2.18e-04	-6.29	0.0	-0.35	6.80	-0.12	0.0	0.07	4.46e-03
		4.46e-03	5.36e-03	-7.09e-05	0.0	55.7	-0.35	0.51	-0.12	0.0	5.36e-03	2.04
308	223	2.85e-03	-2.05e-03	6.13e-04	-6.29	0.0	1.49	-0.38	0.05	0.0	-0.03	2.85e-03
		-1.96	-0.03	4.98e-05	0.0	55.7	1.49	-6.67	0.05	0.0	-2.05e-03	-1.96
309	8	0.0	0.0	1.17e-05	-4.79	0.0	2.07	5.00	2.55e-03	0.0	-1.37e-03	-1.40
		-1.40	-1.37e-03	8.07e-06	0.0	53.6	2.07	0.21	2.55e-03	0.0	0.0	0.0
309	12	0.12	0.0	-7.13e-06	-6.65	0.0	0.95	4.90	3.65e-03	0.0	-1.96e-03	-0.84
		-0.84	-1.96e-03	5.89e-06	0.0	53.6	0.95	-1.75	3.65e-03	0.0	0.0	0.0
309	19	0.02	0.0	-6.01e-06	-2.93	0.0	-0.12	2.43	2.66e-03	0.0	-1.43e-03	-0.52
		-0.52	-1.43e-03	4.77e-06	0.0	53.6	-0.12	-0.49	2.66e-03	0.0	0.0	0.0
309	28	0.0	0.0	3.85e-05	-6.15	0.0	4.65	6.81	3.60e-03	0.0	-1.93e-03	-2.01
		-2.01	-1.93e-03	1.05e-05	0.0	53.6	4.65	0.67	3.60e-03	0.0	0.0	0.0
309	33	0.05	0.0	3.10e-05	-8.01	0.0	3.52	6.72	4.71e-03	0.0	-2.52e-03	-1.45
		-1.45	-2.52e-03	8.32e-06	0.0	53.6	3.52	-1.29	4.71e-03	0.0	0.0	0.0
309	44	0.0	0.0	4.33e-05	-6.15	0.0	4.87	6.62	3.93e-03	0.0	-2.11e-03	-1.90
		-1.90	-2.11e-03	9.62e-06	0.0	53.6	4.87	0.47	3.93e-03	0.0	0.0	0.0
309	68	0.0	0.0	1.30e-05	-4.38	0.0	1.98	4.48	2.60e-03	0.0	-1.39e-03	-1.23
		-1.23	-1.39e-03	7.42e-06	0.0	53.6	1.98	0.10	2.60e-03	0.0	0.0	0.0
309	69	0.07	0.0	8.03e-06	-5.62	0.0	1.23	4.41	3.34e-03	0.0	-1.79e-03	-0.86
		-0.86	-1.79e-03	5.97e-06	0.0	53.6	1.23	-1.21	3.34e-03	0.0	0.0	0.0
309	72	0.01	0.0	-2.88e-06	-3.13	0.0	0.52	2.77	2.67e-03	0.0	-1.43e-03	-0.64
		-0.64	-1.43e-03	5.23e-06	0.0	53.6	0.52	-0.37	2.67e-03	0.0	0.0	0.0
309	80	0.0	0.0	2.72e-05	-4.38	0.0	3.26	4.82	2.76e-03	0.0	-1.48e-03	-1.41
		-1.41	-1.48e-03	7.67e-06	0.0	53.6	3.26	0.45	2.76e-03	0.0	0.0	0.0
309	81	0.03	0.0	2.23e-05	-5.62	0.0	2.51	4.76	3.50e-03	0.0	-1.88e-03	-1.05
		-1.05	-1.88e-03	6.21e-06	0.0	53.6	2.51	-0.86	3.50e-03	0.0	0.0	0.0
309	88	0.0	0.0	3.04e-05	-4.38	0.0	3.40	4.69	2.98e-03	0.0	-1.60e-03	-1.34
		-1.34	-1.60e-03	7.08e-06	0.0	53.6	3.40	0.32	2.98e-03	0.0	0.0	0.0
309	98	0.0	0.0	1.82e-05	-3.13	0.0	2.23	3.64	2.41e-03	0.0	-1.30e-03	-1.11
		-1.11	-1.30e-03	7.01e-06	0.0	53.6	2.23	0.50	2.41e-03	0.0	0.0	0.0
309	99	5.30e-03	0.0	1.46e-05	-3.63	0.0	1.67	3.36	2.83e-03	0.0	-1.52e-03	-0.83
		-0.83	-1.52e-03	5.92e-06	0.0	53.6	1.67	-0.27	2.83e-03	0.0	0.0	0.0
309	101	0.0	0.0	1.78e-05	-3.63	0.0	2.20	3.86	2.59e-03	0.0	-1.39e-03	-1.10
		-1.10	-1.39e-03	6.94e-06	0.0	53.6	2.20	0.23	2.59e-03	0.0	0.0	0.0
309	102	1.34e-03	0.0	1.22e-05	-3.13	0.0	1.40	3.00	2.70e-03	0.0	-1.45e-03	-0.77
		-0.77	-1.45e-03	5.70e-06	0.0	53.6	1.40	-0.14	2.70e-03	0.0	0.0	0.0
309	105	0.0	0.0	2.01e-05	-3.13	0.0	2.35	3.61	2.50e-03	0.0	-1.34e-03	-1.10
		-1.10	-1.34e-03	6.80e-06	0.0	53.6	2.35	0.48	2.50e-03	0.0	0.0	0.0
309	106	0.0	0.0	1.45e-05	-3.13	0.0	1.62	3.05	2.70e-03	0.0	-1.45e-03	-0.80
		-0.80	-1.45e-03	5.82e-06	0.0	53.6	1.62	-0.08	2.70e-03	0.0	0.0	0.0
309	107	0.0	0.0	1.77e-05	-3.13	0.0	2.15	3.55	2.46e-03	0.0	-1.32e-03	-1.07
		-1.07	-1.32e-03	6.84e-06	0.0	53.6	2.15	0.42	2.46e-03	0.0	0.0	0.0
309	108	0.50	0.0	-1.26e-05	-3.13	0.0	-4.41	0.72	0.11	0.0	-0.06	0.46
		0.0	-0.06	8.25e-05	0.0	53.6	-4.41	-2.42	0.11	0.0	0.0	0.0
309	111	0.0	0.06	4.73e-05	-3.13	0.0	8.70	6.39	-0.11	0.0	0.06	-2.59
		-2.59	0.0	-6.88e-05	0.0	53.6	8.70	3.25	-0.11	0.0	0.0	0.0
309	124	0.78	0.0	-5.56e-05	-3.13	0.0	-5.47	0.11	0.07	0.0	-0.04	0.78
		0.0	-0.04	3.90e-06	0.0	53.6	-5.47	-3.03	0.07	0.0	0.0	0.0
309	127	0.0	0.04	9.09e-05	-3.13	0.0	9.76	7.00	-0.07	0.0	0.04	-2.91
		-2.91	0.0	9.78e-06	0.0	53.6	9.76	3.86	-0.07	0.0	0.0	0.0
309	140	0.66	0.0	-1.59e-05	-3.13	0.0	-5.24	0.36	0.12	0.0	-0.07	0.65
		0.0	-0.07	9.31e-05	0.0	53.6	-5.24	-2.78	0.12	0.0	0.0	0.0
309	143	0.0	0.06	5.11e-05	-3.13	0.0	9.53	6.75	-0.12	0.0	0.06	-2.78
		-2.78	0.0	-7.94e-05	0.0	53.6	9.53	3.61	-0.12	0.0	0.0	0.0
309	156	1.01	0.0	-6.47e-05	-3.13	0.0	-6.42	-0.32	0.08	0.0	-0.04	1.01
		0.0	-0.04	4.49e-06	0.0	53.6	-6.42	-3.46	0.08	0.0	0.0	0.0
309	159	0.0	0.04	1.00e-04	-3.13	0.0	10.71	7.43	-0.07	0.0	0.04	-3.14
		-3.14	0.0	9.20e-06	0.0	53.6	10.71	4.29	-0.07	0.0	0.0	0.0
309	172	0.65	0.0	-1.78e-05	-3.13	0.0	-5.21	0.37	0.12	0.0	-0.06	0.64
		0.0	-0.06	1.18e-04	0.0	53.6	-5.21	-2.76	0.12	0.0	0.0	0.0
309	175	0.0	0.06	5.31e-05	-3.13	0.0	9.51	6.73	-0.11	0.0	0.06	-2.77

		-2.77	0.0	-1.04e-04	0.0	53.6	9.51	3.60	-0.11	0.0	0.0	0.0
309	188	0.98	0.0	-6.29e-05	-3.13	0.0	-6.29	-0.26	0.08	0.0	-0.04	0.98
		0.0	-0.04	1.92e-05	0.0	53.6	-6.29	-3.39	0.08	0.0	0.0	0.0
309	191	0.0	0.04	9.82e-05	-3.13	0.0	10.59	7.36	-0.07	0.0	0.04	-3.11
		-3.11	0.0	-5.51e-06	0.0	53.6	10.59	4.23	-0.07	0.0	0.0	0.0
309	192	0.98	0.0	-6.51e-05	-3.13	0.0	-5.99	-0.26	0.06	0.0	-0.03	0.98
		0.0	-0.03	3.72e-05	0.0	53.6	-5.99	-3.40	0.06	0.0	0.0	0.0
309	195	0.0	0.03	1.00e-04	-3.13	0.0	10.28	7.37	-0.06	0.0	0.03	-3.11
		-3.11	0.0	-2.35e-05	0.0	53.6	10.28	4.23	-0.06	0.0	0.0	0.0
309	204	0.94	0.0	-2.51e-05	-3.13	0.0	-6.49	-0.18	0.14	0.0	-0.07	0.94
		0.0	-0.07	1.52e-04	0.0	53.6	-6.49	-3.31	0.14	0.0	0.0	0.0
309	207	0.0	0.07	6.04e-05	-3.13	0.0	10.78	7.28	-0.13	0.0	0.07	-3.07
		-3.07	0.0	-1.38e-04	0.0	53.6	10.78	4.15	-0.13	0.0	0.0	0.0
309	220	1.31	0.0	-7.60e-05	-3.13	0.0	-7.67	-0.88	0.09	0.0	-0.05	1.31
		0.0	-0.05	2.99e-05	0.0	53.6	-7.67	-4.01	0.09	0.0	0.0	0.0
309	223	0.0	0.04	1.11e-04	-3.13	0.0	11.97	7.98	-0.08	0.0	0.04	-3.44
		-3.44	0.0	-1.62e-05	0.0	53.6	11.97	4.85	-0.08	0.0	0.0	0.0
309	224	1.33	0.0	-7.90e-05	-3.13	0.0	-7.36	-0.90	0.07	0.0	-0.04	1.33
		0.0	-0.04	5.51e-05	0.0	53.6	-7.36	-4.04	0.07	0.0	0.0	0.0
309	227	0.0	0.03	1.14e-04	-3.13	0.0	11.65	8.01	-0.07	0.0	0.03	-3.46
		-3.46	0.0	-4.14e-05	0.0	53.6	11.65	4.87	-0.07	0.0	0.0	0.0
310	4	-1.69	6.51e-03	4.05e-05	-6.15	0.0	6.75	5.24	-0.02	0.0	6.51e-03	-2.89
		-2.89	-1.80e-03	1.04e-05	0.0	53.6	6.75	-0.90	-0.02	0.0	-1.80e-03	-1.73
310	19	-0.45	4.51e-03	3.45e-06	-2.93	0.0	3.02	2.07	-0.01	0.0	4.51e-03	-0.85
		-0.85	-1.43e-03	4.94e-06	0.0	53.6	3.02	-0.86	-0.01	0.0	-1.43e-03	-0.52
310	28	-2.00	5.88e-03	6.46e-05	-6.15	0.0	6.78	5.73	-0.01	0.0	5.88e-03	-3.43
		-3.43	-1.93e-03	1.07e-05	0.0	53.6	6.78	-0.41	-0.01	0.0	-1.93e-03	-2.01
310	33	-1.31	4.98e-03	4.84e-05	-8.01	0.0	4.85	5.94	-0.01	0.0	4.98e-03	-2.49
		-2.49	-2.52e-03	8.62e-06	0.0	53.6	4.85	-2.06	-0.01	0.0	-2.52e-03	-1.45
310	52	-1.85	6.18e-03	5.25e-05	-6.15	0.0	6.79	5.49	-0.01	0.0	6.18e-03	-3.16
		-3.16	-1.82e-03	1.09e-05	0.0	53.6	6.79	-0.66	-0.01	0.0	-1.82e-03	-1.87
310	68	-1.20	4.84e-03	2.95e-05	-4.38	0.0	4.83	3.74	-0.01	0.0	4.84e-03	-2.06
		-2.06	-1.39e-03	7.59e-06	0.0	53.6	4.83	-0.64	-0.01	0.0	-1.39e-03	-1.23
310	72	-0.59	4.38e-03	1.13e-05	-3.13	0.0	3.18	2.36	-0.01	0.0	4.38e-03	-1.07
		-1.07	-1.43e-03	5.40e-06	0.0	53.6	3.18	-0.77	-0.01	0.0	-1.43e-03	-0.64
310	80	-1.41	4.42e-03	4.56e-05	-4.38	0.0	4.85	4.06	-0.01	0.0	4.42e-03	-2.42
		-2.42	-1.48e-03	7.85e-06	0.0	53.6	4.85	-0.31	-0.01	0.0	-1.48e-03	-1.41
310	81	-0.95	3.82e-03	3.48e-05	-5.62	0.0	3.57	4.21	-0.01	0.0	3.82e-03	-1.80
		-1.80	-1.88e-03	6.44e-06	0.0	53.6	3.57	-1.41	-0.01	0.0	-1.88e-03	-1.05
310	92	-1.31	4.62e-03	3.75e-05	-4.38	0.0	4.86	3.90	-0.01	0.0	4.62e-03	-2.24
		-2.24	-1.40e-03	7.95e-06	0.0	53.6	4.86	-0.47	-0.01	0.0	-1.40e-03	-1.32
310	98	-1.11	4.44e-03	3.28e-05	-3.13	0.0	4.25	3.03	-0.01	0.0	4.44e-03	-1.89
		-1.89	-1.30e-03	7.17e-06	0.0	53.6	4.25	-0.11	-0.01	0.0	-1.30e-03	-1.11
310	99	-0.79	4.02e-03	2.50e-05	-3.63	0.0	3.30	2.91	-0.01	0.0	4.02e-03	-1.42
		-1.42	-1.52e-03	6.10e-06	0.0	53.6	3.30	-0.72	-0.01	0.0	-1.52e-03	-0.83
310	102	-0.74	4.09e-03	2.19e-05	-3.13	0.0	3.22	2.58	-0.01	0.0	4.09e-03	-1.31
		-1.31	-1.45e-03	5.87e-06	0.0	53.6	3.22	-0.56	-0.01	0.0	-1.45e-03	-0.77
310	103	-1.03	4.45e-03	2.90e-05	-3.13	0.0	4.09	2.92	-0.01	0.0	4.45e-03	-1.76
		-1.76	-1.31e-03	6.88e-06	0.0	53.6	4.09	-0.22	-0.01	0.0	-1.31e-03	-1.03
310	106	-0.78	4.02e-03	2.46e-05	-3.13	0.0	3.23	2.63	-0.01	0.0	4.02e-03	-1.37
		-1.37	-1.45e-03	5.99e-06	0.0	53.6	3.23	-0.50	-0.01	0.0	-1.45e-03	-0.80
310	107	-1.06	4.38e-03	3.17e-05	-3.13	0.0	4.10	2.97	-0.01	0.0	4.38e-03	-1.82
		-1.82	-1.32e-03	7.00e-06	0.0	53.6	4.10	-0.17	-0.01	0.0	-1.32e-03	-1.07
310	108	1.13	-1.94e-03	-2.80e-05	-3.13	0.0	0.24	0.31	-0.10	0.0	-1.94e-03	1.13
		0.46	-0.06	7.70e-05	0.0	53.6	0.24	-2.83	-0.10	0.0	-0.06	0.46
310	111	-2.59	0.06	9.13e-05	-3.13	0.0	7.96	5.63	0.08	0.0	0.01	-4.76
		-4.76	0.01	-6.30e-05	0.0	53.6	7.96	2.50	0.08	0.0	0.06	-2.59
310	124	1.87	4.85e-03	-5.35e-05	-3.13	0.0	-0.34	-0.47	-0.07	0.0	4.85e-03	1.87
		0.78	-0.04	0.0	0.0	53.6	-0.34	-3.60	-0.07	0.0	-0.04	0.78
310	127	-2.91	0.04	1.17e-04	-3.13	0.0	8.54	6.40	0.05	0.0	3.90e-03	-5.51
		-5.51	3.90e-03	1.33e-05	0.0	53.6	8.54	3.27	0.05	0.0	0.04	-2.91
310	132	1.88	6.03e-03	-6.28e-05	-3.13	0.0	0.35	-0.60	-0.06	0.0	6.03e-03	1.88
		0.72	-0.04	5.42e-05	0.0	53.6	0.35	-3.74	-0.06	0.0	-0.04	0.72
310	135	-2.85	0.03	1.26e-04	-3.13	0.0	7.85	6.54	0.04	0.0	2.72e-03	-5.52
		-5.52	2.72e-03	-4.02e-05	0.0	53.6	7.85	3.41	0.04	0.0	0.03	-2.85
310	140	1.50	-2.74e-03	-3.56e-05	-3.13	0.0	-0.25	-0.03	-0.12	0.0	-2.74e-03	1.50
		0.65	-0.07	8.68e-05	0.0	53.6	-0.25	-3.16	-0.12	0.0	-0.07	0.65
310	143	-2.78	0.06	9.89e-05	-3.13	0.0	8.45	5.97	0.09	0.0	0.01	-5.13
		-5.13	0.01	-7.28e-05	0.0	53.6	8.45	2.83	0.09	0.0	0.06	-2.78
310	156	2.33	4.90e-03	-6.41e-05	-3.13	0.0	-0.89	-0.89	-0.08	0.0	4.90e-03	2.33
		1.01	-0.04	0.0	0.0	53.6	-0.89	-4.03	-0.08	0.0	-0.04	1.01
310	159	-3.14	0.04	1.27e-04	-3.13	0.0	9.09	6.83	0.06	0.0	3.85e-03	-5.96
		-5.96	3.85e-03	1.31e-05	0.0	53.6	9.09	3.70	0.06	0.0	0.04	-3.14
310	164	2.35	6.24e-03	-7.47e-05	-3.13	0.0	-0.12	-1.05	-0.07	0.0	6.24e-03	2.35
		0.95	-0.04	5.97e-05	0.0	53.6	-0.12	-4.19	-0.07	0.0	-0.04	0.95

310	167	-3.08	0.04	1.38e-04	-3.13	0.0	8.32	6.99	0.05	0.0	2.52e-03	-5.99
		-5.99	2.52e-03	-4.57e-05	0.0	53.6	8.32	3.86	0.05	0.0	0.04	-3.08
310	172	1.48	-2.45e-03	-3.57e-05	-3.13	0.0	-0.23	-4.87e-03	-0.11	0.0	-2.45e-03	1.48
		0.64	-0.06	1.12e-04	0.0	53.6	-0.23	-3.14	-0.11	0.0	-0.06	0.64
310	175	-2.77	0.06	9.90e-05	-3.13	0.0	8.43	5.94	0.09	0.0	0.01	-5.11
		-5.11	0.01	-9.79e-05	0.0	53.6	8.43	2.81	0.09	0.0	0.06	-2.77
310	188	2.26	4.80e-03	-6.24e-05	-3.13	0.0	-0.82	-0.82	-0.07	0.0	4.80e-03	2.26
		0.98	-0.04	1.54e-05	0.0	53.6	-0.82	-3.96	-0.07	0.0	-0.04	0.98
310	191	-3.11	0.04	1.26e-04	-3.13	0.0	9.02	6.76	0.05	0.0	3.96e-03	-5.89
		-5.89	3.96e-03	-1.39e-06	0.0	53.6	9.02	3.63	0.05	0.0	0.04	-3.11
310	200	2.35	7.12e-03	-7.64e-05	-3.13	0.0	0.14	-1.05	-0.05	0.0	7.12e-03	2.35
		0.94	-0.03	7.45e-05	0.0	53.6	0.14	-4.19	-0.05	0.0	-0.03	0.94
310	203	-3.07	0.03	1.40e-04	-3.13	0.0	8.06	6.99	0.03	0.0	1.63e-03	-5.98
		-5.98	1.63e-03	-6.05e-05	0.0	53.6	8.06	3.86	0.03	0.0	0.03	-3.07
310	204	2.04	-3.49e-03	-4.75e-05	-3.13	0.0	-0.98	-0.51	-0.13	0.0	-3.49e-03	2.04
		0.94	-0.07	1.45e-04	0.0	53.6	-0.98	-3.65	-0.13	0.0	-0.07	0.94
310	207	-3.07	0.07	1.11e-04	-3.13	0.0	9.18	6.45	0.10	0.0	0.01	-5.68
		-5.68	0.01	-1.31e-04	0.0	53.6	9.18	3.31	0.10	0.0	0.07	-3.07
310	220	2.92	4.83e-03	-7.76e-05	-3.13	0.0	-1.63	-1.43	-0.08	0.0	4.83e-03	2.92
		1.31	-0.05	2.52e-05	0.0	53.6	-1.63	-4.57	-0.08	0.0	-0.05	1.31
310	223	-3.44	0.04	1.41e-04	-3.13	0.0	9.83	7.37	0.06	0.0	3.92e-03	-6.55
		-6.55	3.92e-03	-1.12e-05	0.0	53.6	9.83	4.24	0.06	0.0	0.04	-3.44
310	232	3.08	7.57e-03	-9.53e-05	-3.13	0.0	-0.55	-1.76	-0.06	0.0	7.57e-03	3.08
		1.30	-0.03	8.99e-05	0.0	53.6	-0.55	-4.89	-0.06	0.0	-0.03	1.30
310	235	-3.43	0.03	1.59e-04	-3.13	0.0	8.75	7.69	0.04	0.0	1.18e-03	-6.71
		-6.71	1.18e-03	-7.59e-05	0.0	53.6	8.75	4.56	0.04	0.0	0.03	-3.43
311	4	-2.68	6.51e-03	7.66e-05	-6.15	0.0	4.19	3.94	0.04	0.0	-0.01	-3.36
		-3.36	-0.01	9.58e-06	0.0	53.6	4.19	-2.21	0.04	0.0	6.51e-03	-2.68
311	19	-0.70	4.51e-03	1.38e-05	-2.93	0.0	1.58	1.66	0.03	0.0	-9.35e-03	-0.95
		-0.95	-9.35e-03	4.41e-06	0.0	53.6	1.58	-1.26	0.03	0.0	4.51e-03	-0.70
311	28	-3.28	5.88e-03	1.07e-04	-6.15	0.0	4.58	4.28	0.03	0.0	-0.01	-4.08
		-4.08	-0.01	1.00e-05	0.0	53.6	4.58	-1.87	0.03	0.0	5.88e-03	-3.28
311	68	-1.91	4.84e-03	5.51e-05	-4.38	0.0	3.01	2.82	0.03	0.0	-0.01	-2.40
		-2.40	-0.01	7.02e-06	0.0	53.6	3.01	-1.56	0.03	0.0	4.84e-03	-1.91
311	72	-0.94	4.38e-03	2.43e-05	-3.13	0.0	1.82	1.88	0.03	0.0	-9.20e-03	-1.24
		-1.24	-9.20e-03	4.88e-06	0.0	53.6	1.82	-1.25	0.03	0.0	4.38e-03	-0.94
311	80	-2.31	4.42e-03	7.53e-05	-4.38	0.0	3.27	3.04	0.03	0.0	-9.67e-03	-2.88
		-2.88	-9.67e-03	7.32e-06	0.0	53.6	3.27	-1.33	0.03	0.0	4.42e-03	-2.31
311	98	-1.82	4.44e-03	5.63e-05	-3.13	0.0	2.77	2.22	0.03	0.0	-9.54e-03	-2.24
		-2.24	-9.54e-03	6.64e-06	0.0	53.6	2.77	-0.92	0.03	0.0	4.44e-03	-1.82
311	102	-1.20	4.09e-03	3.76e-05	-3.13	0.0	2.04	2.03	0.02	0.0	-8.78e-03	-1.56
		-1.56	-8.78e-03	5.39e-06	0.0	53.6	2.04	-1.10	0.02	0.0	4.09e-03	-1.20
311	103	-1.68	4.45e-03	5.08e-05	-3.13	0.0	2.62	2.16	0.03	0.0	-9.52e-03	-2.07
		-2.07	-9.52e-03	6.35e-06	0.0	53.6	2.62	-0.98	0.03	0.0	4.45e-03	-1.68
311	106	-1.27	4.02e-03	4.10e-05	-3.13	0.0	2.10	2.07	0.02	0.0	-8.68e-03	-1.64
		-1.64	-8.68e-03	5.51e-06	0.0	53.6	2.10	-1.07	0.02	0.0	4.02e-03	-1.27
311	107	-1.74	4.38e-03	5.41e-05	-3.13	0.0	2.68	2.20	0.03	0.0	-9.42e-03	-2.15
		-2.15	-9.42e-03	6.48e-06	0.0	53.6	2.68	-0.94	0.03	0.0	4.38e-03	-1.74
311	114	-2.88	0.01	8.54e-05	-3.13	0.0	3.95	2.64	0.06	0.0	-0.02	-3.46
		-3.46	-0.02	-5.40e-05	0.0	53.6	3.95	-0.49	0.06	0.0	0.01	-2.88
311	124	2.88	4.85e-03	-7.48e-05	-3.13	0.0	-0.80	-0.33	0.03	0.0	-0.01	2.88
		1.87	-0.01	-6.60e-06	0.0	53.6	-0.80	-3.46	0.03	0.0	4.85e-03	1.87
311	127	-5.51	3.90e-03	1.83e-04	-3.13	0.0	6.16	4.72	0.02	0.0	-8.00e-03	-7.19
		-7.19	-8.00e-03	1.96e-05	0.0	53.6	6.16	1.58	0.02	0.0	3.90e-03	-5.51
311	136	3.06	6.79e-03	-8.52e-05	-3.13	0.0	-0.35	-0.64	0.04	0.0	-0.01	3.06
		1.88	-0.01	5.90e-05	0.0	53.6	-0.35	-3.78	0.04	0.0	6.79e-03	1.88
311	139	-5.51	1.97e-03	1.93e-04	-3.13	0.0	5.70	5.03	0.02	0.0	-6.48e-03	-7.36
		-7.36	-6.48e-03	-4.61e-05	0.0	53.6	5.70	1.90	0.02	0.0	1.97e-03	-5.51
311	146	-3.03	0.01	8.94e-05	-3.13	0.0	4.11	2.70	0.07	0.0	-0.02	-3.63
		-3.63	-0.02	-6.27e-05	0.0	53.6	4.11	-0.43	0.07	0.0	0.01	-3.03
311	156	3.50	4.90e-03	-9.09e-05	-3.13	0.0	-1.24	-0.64	0.03	0.0	-0.01	3.50
		2.33	-0.01	-7.39e-06	0.0	53.6	-1.24	-3.77	0.03	0.0	4.90e-03	2.33
311	159	-5.96	3.85e-03	1.99e-04	-3.13	0.0	6.59	5.03	0.02	0.0	-7.84e-03	-7.81
		-7.81	-7.84e-03	2.03e-05	0.0	53.6	6.59	1.90	0.02	0.0	3.85e-03	-5.96
311	168	3.72	7.10e-03	-1.03e-04	-3.13	0.0	-0.73	-1.00	0.04	0.0	-0.01	3.72
		2.35	-0.01	6.65e-05	0.0	53.6	-0.73	-4.13	0.04	0.0	7.10e-03	2.35
311	171	-5.98	1.66e-03	2.11e-04	-3.13	0.0	6.09	5.39	0.01	0.0	-6.11e-03	-8.02
		-8.02	-6.11e-03	-5.36e-05	0.0	53.6	6.09	2.25	0.01	0.0	1.66e-03	-5.98
311	178	-3.04	0.01	8.96e-05	-3.13	0.0	4.12	2.69	0.07	0.0	-0.02	-3.64
		-3.64	-0.02	-8.84e-05	0.0	53.6	4.12	-0.45	0.07	0.0	0.01	-3.04
311	188	3.40	4.80e-03	-8.81e-05	-3.13	0.0	-1.18	-0.58	0.03	0.0	-0.01	3.40
		2.26	-0.01	7.10e-06	0.0	53.6	-1.18	-3.71	0.03	0.0	4.80e-03	2.26
311	191	-5.89	3.96e-03	1.96e-04	-3.13	0.0	6.53	4.97	0.02	0.0	-7.95e-03	-7.71
		-7.71	-7.95e-03	5.86e-06	0.0	53.6	6.53	1.83	0.02	0.0	3.96e-03	-5.89
311	200	3.71	7.12e-03	-1.03e-04	-3.13	0.0	-0.73	-0.98	0.04	0.0	-0.01	3.71

		2.35	-0.01	7.34e-05	0.0	53.6	-0.73	-4.12	0.04	0.0	7.12e-03	2.35
311	203	-5.98	1.63e-03	2.11e-04	-3.13	0.0	6.08	5.37	0.01	0.0	-6.07e-03	-8.02
		-8.02	-6.07e-03	-6.05e-05	0.0	53.6	6.08	2.24	0.01	0.0	1.63e-03	-5.98
311	210	-3.27	0.01	9.61e-05	-3.13	0.0	4.39	2.77	0.07	0.0	-0.02	-3.91
		-3.91	-0.02	-1.20e-04	0.0	53.6	4.39	-0.36	0.07	0.0	0.01	-3.28
311	220	4.29	4.83e-03	-1.11e-04	-3.13	0.0	-1.81	-1.02	0.03	0.0	-0.01	4.29
		2.92	-0.01	1.55e-05	0.0	53.6	-1.81	-4.15	0.03	0.0	4.83e-03	2.92
311	223	-6.55	3.92e-03	2.19e-04	-3.13	0.0	7.16	5.41	0.02	0.0	-7.74e-03	-8.60
		-8.60	-7.74e-03	-2.53e-06	0.0	53.6	7.16	2.27	0.02	0.0	3.92e-03	-6.55
311	232	4.73	7.57e-03	-1.30e-04	-3.13	0.0	-1.33	-1.53	0.04	0.0	-0.01	4.73
		3.08	-0.01	8.91e-05	0.0	53.6	-1.33	-4.66	0.04	0.0	7.57e-03	3.08
311	235	-6.71	1.18e-03	2.38e-04	-3.13	0.0	6.68	5.92	0.01	0.0	-5.52e-03	-9.04
		-9.04	-5.52e-03	-7.62e-05	0.0	53.6	6.68	2.78	0.01	0.0	1.18e-03	-6.71
312	4	-2.74	0.03	1.19e-04	-6.15	0.0	9.42	2.39	-0.09	0.0	0.03	-2.99
		-3.36	-0.01	1.12e-05	0.0	53.6	9.42	-3.75	-0.09	0.0	-0.01	-3.36
312	19	-0.68	0.02	2.55e-05	-2.93	0.0	3.83	1.22	-0.06	0.0	0.02	-0.82
		-0.95	-9.35e-03	5.53e-06	0.0	53.6	3.83	-1.71	-0.06	0.0	-9.35e-03	-0.95
312	28	-3.50	0.03	1.58e-04	-6.15	0.0	10.08	2.49	-0.08	0.0	0.03	-3.76
		-4.08	-0.01	1.16e-05	0.0	53.6	10.08	-3.66	-0.08	0.0	-0.01	-4.08
312	68	-1.97	0.02	8.54e-05	-4.38	0.0	6.77	1.72	-0.06	0.0	0.02	-2.15
		-2.40	-0.01	8.25e-06	0.0	53.6	6.77	-2.65	-0.06	0.0	-0.01	-2.40
312	72	-0.96	0.02	3.95e-05	-3.13	0.0	4.25	1.33	-0.06	0.0	0.02	-1.11
		-1.24	-9.20e-03	5.99e-06	0.0	53.6	4.25	-1.81	-0.06	0.0	-9.20e-03	-1.24
312	80	-2.47	0.02	1.11e-04	-4.38	0.0	7.21	1.79	-0.06	0.0	0.02	-2.66
		-2.88	-9.67e-03	8.48e-06	0.0	53.6	7.21	-2.59	-0.06	0.0	-9.67e-03	-2.88
312	98	-1.93	0.02	8.46e-05	-3.13	0.0	6.15	1.23	-0.06	0.0	0.02	-2.06
		-2.24	-9.54e-03	7.79e-06	0.0	53.6	6.15	-1.91	-0.06	0.0	-9.54e-03	-2.24
312	102	-1.29	0.02	5.67e-05	-3.13	0.0	4.59	1.37	-0.06	0.0	0.02	-1.45
		-1.56	-8.78e-03	6.44e-06	0.0	53.6	4.59	-1.77	-0.06	0.0	-8.78e-03	-1.56
312	106	-1.37	0.02	6.10e-05	-3.13	0.0	4.67	1.38	-0.05	0.0	0.02	-1.53
		-1.64	-8.68e-03	6.56e-06	0.0	53.6	4.67	-1.76	-0.05	0.0	-8.68e-03	-1.64
312	107	-1.85	0.02	8.13e-05	-3.13	0.0	5.94	1.25	-0.06	0.0	0.02	-1.98
		-2.15	-9.42e-03	7.61e-06	0.0	53.6	5.94	-1.88	-0.06	0.0	-9.42e-03	-2.15
312	114	-3.12	0.05	1.31e-04	-3.13	0.0	8.75	0.53	-0.14	0.0	0.05	-3.22
		-3.46	-0.02	-3.90e-05	0.0	53.6	8.75	-2.61	-0.14	0.0	-0.02	-3.46
312	124	3.49	0.03	-1.09e-04	-3.13	0.0	-2.18	0.61	-0.07	0.0	0.03	3.48
		2.88	-0.01	-1.36e-05	0.0	53.6	-2.18	-2.52	-0.07	0.0	-0.01	2.88
312	127	-7.09	0.02	2.72e-04	-3.13	0.0	14.05	1.89	-0.05	0.0	0.02	-7.45
		-7.45	-8.00e-03	2.88e-05	0.0	53.6	14.05	-1.25	-0.05	0.0	-8.00e-03	-7.19
312	136	3.83	0.03	-1.21e-04	-3.13	0.0	-1.19	0.30	-0.08	0.0	0.03	3.83
		3.06	-0.01	5.95e-05	0.0	53.6	-1.19	-2.84	-0.08	0.0	-0.01	3.06
312	139	-7.31	0.02	2.84e-04	-3.13	0.0	13.07	2.20	-0.04	0.0	0.02	-7.80
		-7.80	-6.48e-03	-4.43e-05	0.0	53.6	13.07	-0.93	-0.04	0.0	-6.48e-03	-7.36
312	146	-3.28	0.05	1.37e-04	-3.13	0.0	9.11	0.44	-0.15	0.0	0.05	-3.38
		-3.63	-0.02	-4.58e-05	0.0	53.6	9.11	-2.70	-0.15	0.0	-0.02	-3.63
312	156	4.17	0.03	-1.33e-04	-3.13	0.0	-3.19	0.54	-0.07	0.0	0.03	4.16
		3.50	-0.01	-1.54e-05	0.0	53.6	-3.19	-2.60	-0.07	0.0	-0.01	3.50
312	159	-7.73	0.02	2.96e-04	-3.13	0.0	15.06	1.96	-0.05	0.0	0.02	-8.12
		-8.12	-7.84e-03	3.07e-05	0.0	53.6	15.06	-1.17	-0.05	0.0	-7.84e-03	-7.81
312	168	4.56	0.03	-1.47e-04	-3.13	0.0	-2.10	0.18	-0.08	0.0	0.03	4.56
		3.72	-0.01	6.70e-05	0.0	53.6	-2.10	-2.96	-0.08	0.0	-0.01	3.72
312	171	-7.99	0.01	3.09e-04	-3.13	0.0	13.97	2.32	-0.04	0.0	0.01	-8.53
		-8.53	-6.11e-03	-5.18e-05	0.0	53.6	13.97	-0.81	-0.04	0.0	-6.11e-03	-8.02
312	178	-3.28	0.05	1.37e-04	-3.13	0.0	9.15	0.48	-0.14	0.0	0.05	-3.38
		-3.64	-0.02	-7.21e-05	0.0	53.6	9.15	-2.66	-0.14	0.0	-0.02	-3.64
312	188	4.05	0.03	-1.29e-04	-3.13	0.0	-3.06	0.55	-0.07	0.0	0.03	4.03
		3.40	-0.01	0.0	0.0	53.6	-3.06	-2.58	-0.07	0.0	-0.01	3.40
312	191	-7.62	0.02	2.91e-04	-3.13	0.0	14.93	1.95	-0.05	0.0	0.02	-8.00
		-8.00	-7.95e-03	1.62e-05	0.0	53.6	14.93	-1.18	-0.05	0.0	-7.95e-03	-7.71
312	200	4.55	0.03	-1.46e-04	-3.13	0.0	-2.10	0.18	-0.08	0.0	0.03	4.55
		3.71	-0.01	7.43e-05	0.0	53.6	-2.10	-2.95	-0.08	0.0	-0.01	3.71
312	203	-7.98	0.01	3.09e-04	-3.13	0.0	13.97	2.32	-0.04	0.0	0.01	-8.51
		-8.51	-6.07e-03	-5.90e-05	0.0	53.6	13.97	-0.82	-0.04	0.0	-6.07e-03	-8.02
312	210	-3.54	0.06	1.47e-04	-3.13	0.0	9.74	0.36	-0.15	0.0	0.06	-3.63
		-3.91	-0.02	-1.02e-04	0.0	53.6	9.74	-2.77	-0.15	0.0	-0.02	-3.91
312	220	5.01	0.03	-1.63e-04	-3.13	0.0	-4.53	0.44	-0.07	0.0	0.03	5.00
		4.29	-0.01	5.73e-06	0.0	53.6	-4.53	-2.70	-0.07	0.0	-0.01	4.29
312	223	-8.54	0.02	3.25e-04	-3.13	0.0	16.40	2.06	-0.05	0.0	0.02	-8.97
		-8.97	-7.74e-03	9.50e-06	0.0	53.6	16.40	-1.07	-0.05	0.0	-7.74e-03	-8.60
312	232	5.68	0.03	-1.86e-04	-3.13	0.0	-3.51	7.08e-03	-0.08	0.0	0.03	5.68
		4.73	-0.01	9.02e-05	0.0	53.6	-3.51	-3.13	-0.08	0.0	-0.01	4.73
312	235	-9.02	0.01	3.49e-04	-3.13	0.0	15.38	2.49	-0.03	0.0	0.01	-9.65
		-9.65	-5.52e-03	-7.50e-05	0.0	53.6	15.38	-0.64	-0.03	0.0	-5.52e-03	-9.04
313	4	-4.25	4.96e-03	-2.28e-04	-11.14	0.0	7.94	9.91	0.01	0.0	-2.11e-03	-6.44
		-6.44	-2.11e-03	6.41e-06	0.0	49.6	7.94	-1.22	0.01	0.0	4.96e-03	-4.28

313	15	-3.16	4.17e-03	-1.66e-04	-7.67	0.0	5.27	6.20	0.02	0.0	-4.58e-03	-4.40
		-4.40	-4.58e-03	4.34e-06	0.0	49.6	5.27	-1.47	0.02	0.0	4.17e-03	-3.23
313	28	-3.53	5.15e-03	-1.86e-04	-11.14	0.0	7.57	9.80	0.01	0.0	-8.85e-04	-5.67
		-5.67	-8.85e-04	7.31e-06	0.0	49.6	7.57	-1.34	0.01	0.0	5.15e-03	-3.57
313	45	-1.25	3.44e-03	-5.80e-05	-5.22	0.0	3.20	4.05	0.01	0.0	-1.91e-03	-2.03
		-2.03	-1.91e-03	4.40e-06	0.0	49.6	3.20	-1.17	0.01	0.0	3.44e-03	-1.31
313	46	-1.22	3.44e-03	-6.41e-05	-8.69	0.0	3.43	6.11	0.01	0.0	-1.65e-03	-2.29
		-2.29	-1.65e-03	4.61e-06	0.0	49.6	3.43	-2.57	0.01	0.0	3.44e-03	-1.41
313	68	-3.05	3.71e-03	-1.62e-04	-7.92	0.0	5.69	6.99	0.01	0.0	-1.87e-03	-4.58
		-4.58	-1.87e-03	4.77e-06	0.0	49.6	5.69	-0.92	0.01	0.0	3.71e-03	-3.07
313	72	-2.32	3.19e-03	-1.21e-04	-5.61	0.0	3.92	4.52	0.01	0.0	-3.52e-03	-3.22
		-3.22	-3.52e-03	3.39e-06	0.0	49.6	3.92	-1.08	0.01	0.0	3.19e-03	-2.37
313	80	-2.57	3.84e-03	-1.34e-04	-7.92	0.0	5.45	6.92	9.86e-03	0.0	-1.05e-03	-4.07
		-4.07	-1.05e-03	5.37e-06	0.0	49.6	5.45	-1.00	9.86e-03	0.0	3.84e-03	-2.60
313	85	-1.52	3.40e-03	-7.41e-05	-5.61	0.0	3.50	4.39	0.01	0.0	-2.16e-03	-2.37
		-2.37	-2.16e-03	4.39e-06	0.0	49.6	3.50	-1.21	0.01	0.0	3.40e-03	-1.58
313	86	-1.50	3.40e-03	-7.82e-05	-7.92	0.0	3.65	5.77	0.01	0.0	-1.99e-03	-2.54
		-2.54	-1.99e-03	4.53e-06	0.0	49.6	3.65	-2.14	0.01	0.0	3.40e-03	-1.65
313	98	-2.53	3.60e-03	-1.30e-04	-5.61	0.0	4.96	5.24	0.01	0.0	-2.03e-03	-3.74
		-3.74	-2.03e-03	4.84e-06	0.0	49.6	4.96	-0.36	0.01	0.0	3.60e-03	-2.53
313	102	-2.00	3.24e-03	-1.02e-04	-5.61	0.0	3.81	4.47	0.01	0.0	-3.01e-03	-2.88
		-2.88	-3.01e-03	4.03e-06	0.0	49.6	3.81	-1.13	0.01	0.0	3.24e-03	-2.06
313	104	-1.84	3.28e-03	-9.27e-05	-5.61	0.0	3.73	4.45	0.01	0.0	-2.74e-03	-2.71
		-2.71	-2.74e-03	4.23e-06	0.0	49.6	3.73	-1.16	0.01	0.0	3.28e-03	-1.90
313	106	-1.92	3.25e-03	-9.74e-05	-5.61	0.0	3.79	4.46	0.01	0.0	-2.89e-03	-2.80
		-2.80	-2.89e-03	4.19e-06	0.0	49.6	3.79	-1.15	0.01	0.0	3.25e-03	-1.98
313	107	-2.45	3.55e-03	-1.25e-04	-5.61	0.0	4.79	5.13	0.01	0.0	-2.15e-03	-3.61
		-3.61	-2.15e-03	4.74e-06	0.0	49.6	4.79	-0.47	0.01	0.0	3.55e-03	-2.45
313	116	-4.88	2.26e-03	-2.26e-04	-5.61	0.0	6.89	5.17	0.03	0.0	-0.01	-6.10
		-6.10	-0.01	2.38e-04	0.0	49.6	6.89	-0.44	0.03	0.0	2.26e-03	-4.89
313	119	-6.36e-03	6.77e-03	-2.38e-05	-5.61	0.0	2.70	5.10	-4.44e-03	0.0	6.77e-03	-1.12
		-1.12	4.84e-03	-2.28e-04	0.0	49.6	2.70	-0.51	-4.44e-03	0.0	4.84e-03	-0.02
313	136	-7.48	5.07e-03	-3.52e-04	-5.61	0.0	8.92	5.77	0.03	0.0	-8.64e-03	-8.96
		-8.96	-8.64e-03	1.47e-04	0.0	49.6	8.92	0.16	0.03	0.0	5.07e-03	-7.48
313	139	2.63	4.34e-03	1.02e-04	-5.61	0.0	0.66	4.49	-4.32e-03	0.0	4.34e-03	1.74
		1.74	2.03e-03	-1.37e-04	0.0	49.6	0.66	-1.11	-4.32e-03	0.0	2.03e-03	2.57
313	148	-5.19	2.10e-03	-2.39e-04	-5.61	0.0	7.15	5.17	0.03	0.0	-0.01	-6.41
		-6.41	-0.01	2.69e-04	0.0	49.6	7.15	-0.44	0.03	0.0	2.10e-03	-5.20
313	151	0.30	7.93e-03	-1.38e-05	-5.61	0.0	2.43	5.09	-6.50e-03	0.0	7.93e-03	-0.81
		-0.81	5.00e-03	-2.59e-04	0.0	49.6	2.43	-0.51	-6.50e-03	0.0	5.00e-03	0.29
313	168	-8.11	5.25e-03	-3.81e-04	-5.61	0.0	9.44	5.85	0.03	0.0	-9.48e-03	-9.63
		-9.63	-9.48e-03	1.66e-04	0.0	49.6	9.44	0.24	0.03	0.0	5.25e-03	-8.11
313	171	3.26	5.17e-03	1.31e-04	-5.61	0.0	0.15	4.41	-6.34e-03	0.0	5.17e-03	2.41
		2.41	1.85e-03	-1.56e-04	0.0	49.6	0.15	-1.19	-6.34e-03	0.0	1.85e-03	3.20
313	180	-5.17	2.12e-03	-2.37e-04	-5.61	0.0	7.14	5.17	0.03	0.0	-0.01	-6.37
		-6.37	-0.01	2.81e-04	0.0	49.6	7.14	-0.44	0.03	0.0	2.12e-03	-5.17
313	183	0.28	8.16e-03	-1.50e-05	-5.61	0.0	2.44	5.10	-6.80e-03	0.0	8.16e-03	-0.85
		-0.85	4.98e-03	-2.71e-04	0.0	49.6	2.44	-0.51	-6.80e-03	0.0	4.98e-03	0.26
313	200	-8.04	5.23e-03	-3.78e-04	-5.61	0.0	9.39	5.84	0.03	0.0	-9.59e-03	-9.55
		-9.55	-9.59e-03	1.74e-04	0.0	49.6	9.39	0.23	0.03	0.0	5.23e-03	-8.04
313	203	3.19	5.28e-03	1.27e-04	-5.61	0.0	0.19	4.43	-6.41e-03	0.0	5.28e-03	2.33
		2.33	1.88e-03	-1.65e-04	0.0	49.6	0.19	-1.18	-6.41e-03	0.0	1.88e-03	3.13
313	212	-5.65	1.85e-03	-2.57e-04	-5.61	0.0	7.57	5.17	0.03	0.0	-0.01	-6.86
		-6.86	-0.01	3.39e-04	0.0	49.6	7.57	-0.44	0.03	0.0	1.85e-03	-5.65
313	215	0.76	0.01	6.54e-06	-5.61	0.0	2.02	5.10	-0.01	0.0	0.01	-0.36
		-0.36	5.25e-03	-3.30e-04	0.0	49.6	2.02	-0.51	-0.01	0.0	5.25e-03	0.74
313	232	-8.97	5.48e-03	-4.19e-04	-5.61	0.0	10.16	5.95	0.03	0.0	-0.01	-10.54
		-10.54	-0.01	2.11e-04	0.0	49.6	10.16	0.34	0.03	0.0	5.48e-03	-8.97
313	235	4.14	6.69e-03	1.69e-04	-5.61	0.0	-0.58	4.31	-9.65e-03	0.0	6.69e-03	3.32
		3.32	1.62e-03	-2.01e-04	0.0	49.6	-0.58	-1.29	-9.65e-03	0.0	1.62e-03	4.07
314	4	-4.77	2.72e-03	-2.13e-04	-11.14	0.0	8.84	10.14	0.02	0.0	-6.15e-03	-7.05
		-7.05	-6.15e-03	3.42e-06	0.0	49.6	8.84	-1.00	0.02	0.0	2.72e-03	-4.79
314	15	-3.33	3.73e-03	-1.60e-04	-7.67	0.0	5.75	6.28	0.02	0.0	-5.47e-03	-4.60
		-4.60	-5.47e-03	2.95e-06	0.0	49.6	5.75	-1.39	0.02	0.0	3.73e-03	-3.39
314	45	-1.44	2.36e-03	-5.14e-05	-5.22	0.0	3.55	4.13	0.01	0.0	-4.03e-03	-2.25
		-2.25	-4.03e-03	2.75e-06	0.0	49.6	3.55	-1.09	0.01	0.0	2.36e-03	-1.50
314	52	-4.44	2.49e-03	-1.91e-04	-11.14	0.0	8.74	10.09	0.02	0.0	-6.16e-03	-6.70
		-6.70	-6.16e-03	3.90e-06	0.0	49.6	8.74	-1.04	0.02	0.0	2.49e-03	-4.46
314	68	-3.40	2.19e-03	-1.51e-04	-7.92	0.0	6.32	7.15	0.01	0.0	-4.63e-03	-5.00
		-5.00	-4.63e-03	2.66e-06	0.0	49.6	6.32	-0.77	0.01	0.0	2.19e-03	-3.42
314	72	-2.44	2.87e-03	-1.16e-04	-5.61	0.0	4.26	4.58	0.01	0.0	-4.18e-03	-3.37
		-3.37	-4.18e-03	2.35e-06	0.0	49.6	4.26	-1.03	0.01	0.0	2.87e-03	-2.48
314	85	-1.71	2.41e-03	-6.75e-05	-5.61	0.0	3.87	4.48	0.01	0.0	-4.11e-03	-2.60
		-2.60	-4.11e-03	2.80e-06	0.0	49.6	3.87	-1.13	0.01	0.0	2.41e-03	-1.76
314	92	-3.18	2.04e-03	-1.37e-04	-7.92	0.0	6.25	7.12	0.01	0.0	-4.64e-03	-4.77

		-4.77	-4.64e-03	2.98e-06	0.0	49.6	6.25	-0.80	0.01	0.0	2.04e-03	-3.20
314	98	-2.81	2.28e-03	-1.21e-04	-5.61	0.0	5.43	5.37	0.01	0.0	-4.47e-03	-4.09
		-4.09	-4.47e-03	2.93e-06	0.0	49.6	5.43	-0.24	0.01	0.0	2.28e-03	-2.82
314	102	-2.15	2.66e-03	-9.65e-05	-5.61	0.0	4.17	4.54	0.01	0.0	-4.19e-03	-3.06
		-3.06	-4.19e-03	2.77e-06	0.0	49.6	4.17	-1.07	0.01	0.0	2.66e-03	-2.20
314	104	-2.00	2.56e-03	-8.68e-05	-5.61	0.0	4.09	4.52	0.01	0.0	-4.18e-03	-2.90
		-2.90	-4.18e-03	2.87e-06	0.0	49.6	4.09	-1.09	0.01	0.0	2.56e-03	-2.05
314	106	-2.07	2.60e-03	-9.16e-05	-5.61	0.0	4.15	4.53	0.01	0.0	-4.20e-03	-2.98
		-2.98	-4.20e-03	2.88e-06	0.0	49.6	4.15	-1.08	0.01	0.0	2.60e-03	-2.12
314	107	-2.71	2.33e-03	-1.17e-04	-5.61	0.0	5.25	5.25	0.01	0.0	-4.43e-03	-3.93
		-3.93	-4.43e-03	2.93e-06	0.0	49.6	5.25	-0.36	0.01	0.0	2.33e-03	-2.72
314	121	-2.12	6.81e-04	-1.49e-05	-5.61	0.0	4.87	4.81	0.02	0.0	-0.01	-3.36
		-3.36	-0.01	2.35e-04	0.0	49.6	4.87	-0.79	0.02	0.0	6.81e-04	-2.13
314	124	-7.43	5.07e-03	-3.49e-04	-5.61	0.0	9.31	5.65	0.03	0.0	-8.25e-03	-8.89
		-8.89	-8.25e-03	4.88e-06	0.0	49.6	9.31	0.04	0.03	0.0	5.07e-03	-7.43
314	127	2.03	-4.16e-04	1.16e-04	-5.61	0.0	1.20	4.85	1.29e-03	0.0	-6.02e-04	1.04
		1.04	-6.02e-04	0.0	0.0	49.6	1.20	-0.75	1.29e-03	0.0	-4.16e-04	2.00
314	138	-6.44	5.68e-03	-3.29e-04	-5.61	0.0	8.31	5.78	0.01	0.0	-1.08e-04	-7.84
		-7.84	-1.08e-04	-6.83e-06	0.0	49.6	8.31	0.18	0.01	0.0	5.68e-03	-6.44
314	153	-2.04	4.72e-04	-5.93e-06	-5.61	0.0	4.82	4.76	0.02	0.0	-0.01	-3.28
		-3.28	-0.01	2.66e-04	0.0	49.6	4.82	-0.85	0.02	0.0	4.72e-04	-2.05
314	156	-8.02	5.41e-03	-3.78e-04	-5.61	0.0	9.81	5.70	0.03	0.0	-8.73e-03	-9.51
		-9.51	-8.73e-03	4.46e-06	0.0	49.6	9.81	0.09	0.03	0.0	5.41e-03	-8.02
314	159	2.62	-1.21e-04	1.45e-04	-5.61	0.0	0.69	4.80	-2.43e-04	0.0	-1.21e-04	1.65
		1.65	-7.58e-04	1.39e-06	0.0	49.6	0.69	-0.80	-2.43e-04	0.0	-7.58e-04	2.59
314	170	-6.91	6.09e-03	-3.56e-04	-5.61	0.0	8.69	5.85	0.02	0.0	4.44e-04	-8.33
		-8.33	4.44e-04	-7.87e-06	0.0	49.6	8.69	0.24	0.02	0.0	6.09e-03	-6.91
314	185	-1.99	4.72e-04	-7.09e-06	-5.61	0.0	4.76	4.75	0.02	0.0	-0.01	-3.23
		-3.23	-0.01	2.77e-04	0.0	49.6	4.76	-0.86	0.02	0.0	4.72e-04	-2.00
314	188	-7.93	5.37e-03	-3.74e-04	-5.61	0.0	9.73	5.69	0.03	0.0	-8.70e-03	-9.42
		-9.42	-8.70e-03	1.07e-06	0.0	49.6	9.73	0.08	0.03	0.0	5.37e-03	-7.93
314	191	2.53	-1.57e-04	1.41e-04	-5.61	0.0	0.77	4.81	-1.85e-05	0.0	-1.57e-04	1.56
		1.56	-7.10e-04	4.78e-06	0.0	49.6	0.77	-0.80	-1.85e-05	0.0	-7.10e-04	2.49
314	202	-6.85	6.03e-03	-3.51e-04	-5.61	0.0	8.65	5.84	0.01	0.0	4.84e-04	-8.27
		-8.27	4.84e-04	-7.50e-06	0.0	49.6	8.65	0.23	0.01	0.0	6.03e-03	-6.85
314	217	-1.85	1.36e-04	1.56e-05	-5.61	0.0	4.66	4.66	0.03	0.0	-0.01	-3.10
		-3.10	-0.01	3.36e-04	0.0	49.6	4.66	-0.95	0.03	0.0	1.36e-04	-1.86
314	220	-8.77	5.86e-03	-4.16e-04	-5.61	0.0	10.46	5.77	0.03	0.0	-9.44e-03	-10.30
		-10.30	-9.44e-03	-2.22e-06	0.0	49.6	10.46	0.16	0.03	0.0	5.86e-03	-8.77
314	223	3.38	5.81e-04	1.83e-04	-5.61	0.0	0.04	4.73	-2.25e-03	0.0	5.81e-04	2.44
		2.44	-1.20e-03	8.07e-06	0.0	49.6	0.04	-0.87	-2.25e-03	0.0	-1.20e-03	3.33
314	234	-7.52	6.63e-03	-3.89e-04	-5.61	0.0	9.20	5.94	0.02	0.0	1.40e-03	-8.97
		-8.97	1.40e-03	-9.23e-06	0.0	49.6	9.20	0.33	0.02	0.0	6.63e-03	-7.52
315	4	-6.64	1.75e-03	-1.33e-04	-11.14	0.0	6.66	6.85	-0.02	0.0	1.75e-03	-7.69
		-7.69	-6.15e-03	4.07e-06	0.0	49.6	6.66	-4.28	-0.02	0.0	-6.15e-03	-7.05
315	45	-2.04	1.04e-03	-2.64e-05	-5.22	0.0	2.50	3.10	-0.01	0.0	1.04e-03	-2.50
		-2.50	-4.03e-03	3.18e-06	0.0	49.6	2.50	-2.12	-0.01	0.0	-4.03e-03	-2.25
315	52	-6.31	1.74e-03	-1.14e-04	-11.14	0.0	6.56	6.94	-0.02	0.0	1.74e-03	-7.39
		-7.39	-6.16e-03	4.55e-06	0.0	49.6	6.56	-4.19	-0.02	0.0	-6.16e-03	-6.70
315	68	-4.70	1.31e-03	-9.46e-05	-7.92	0.0	4.76	4.83	-0.01	0.0	1.31e-03	-5.43
		-5.43	-4.63e-03	3.15e-06	0.0	49.6	4.76	-3.08	-0.01	0.0	-4.63e-03	-5.00
315	85	-2.36	1.08e-03	-3.86e-05	-5.61	0.0	2.79	3.29	-0.01	0.0	1.08e-03	-2.84
		-2.84	-4.11e-03	3.24e-06	0.0	49.6	2.79	-2.31	-0.01	0.0	-4.11e-03	-2.60
315	92	-4.48	1.30e-03	-8.25e-05	-7.92	0.0	4.69	4.89	-0.01	0.0	1.30e-03	-5.23
		-5.23	-4.64e-03	3.47e-06	0.0	49.6	4.69	-3.02	-0.01	0.0	-4.64e-03	-4.77
315	98	-3.89	1.23e-03	-7.43e-05	-5.61	0.0	4.06	3.50	-0.01	0.0	1.23e-03	-4.43
		-4.43	-4.47e-03	3.41e-06	0.0	49.6	4.06	-2.11	-0.01	0.0	-4.47e-03	-4.09
315	104	-2.65	1.12e-03	-5.45e-05	-5.61	0.0	3.03	3.21	-0.01	0.0	1.12e-03	-3.11
		-3.11	-4.18e-03	3.31e-06	0.0	49.6	3.03	-2.39	-0.01	0.0	-4.18e-03	-2.90
315	106	-2.72	1.13e-03	-5.84e-05	-5.61	0.0	3.09	3.19	-0.01	0.0	1.13e-03	-3.17
		-3.17	-4.20e-03	3.33e-06	0.0	49.6	3.09	-2.41	-0.01	0.0	-4.20e-03	-2.98
315	107	-3.73	1.22e-03	-7.20e-05	-5.61	0.0	3.92	3.46	-0.01	0.0	1.22e-03	-4.25
		-4.25	-4.43e-03	3.39e-06	0.0	49.6	3.92	-2.15	-0.01	0.0	-4.43e-03	-3.93
315	116	-5.68	2.74e-03	-8.89e-05	-5.61	0.0	5.17	2.85	-0.03	0.0	2.74e-03	-6.03
		-6.03	-0.01	2.35e-04	0.0	49.6	5.17	-2.76	-0.03	0.0	-0.01	-6.01
315	121	-3.20	2.71e-03	6.72e-06	-5.61	0.0	3.71	3.70	-0.03	0.0	2.71e-03	-3.80
		-3.80	-0.01	2.35e-04	0.0	49.6	3.71	-1.91	-0.03	0.0	-0.01	-3.36
315	124	-8.29	2.05e-03	-2.47e-04	-5.61	0.0	6.75	1.91	-0.02	0.0	2.05e-03	-8.45
		-8.45	-8.25e-03	6.66e-06	0.0	49.6	6.75	-3.70	-0.02	0.0	-8.25e-03	-8.89
315	127	1.05	3.85e-04	1.03e-04	-5.61	0.0	1.10	5.01	-2.00e-03	0.0	3.85e-04	-0.06
		-0.06	-6.02e-04	0.0	0.0	49.6	1.10	-0.60	-2.00e-03	0.0	-6.02e-04	1.04
315	153	-3.12	2.90e-03	1.66e-05	-5.61	0.0	3.68	3.73	-0.03	0.0	2.90e-03	-3.74
		-3.74	-0.01	2.66e-04	0.0	49.6	3.68	-1.88	-0.03	0.0	-0.01	-3.28
315	154	-4.32	3.21e-03	-1.61e-04	-5.61	0.0	4.17	3.18	7.38e-03	0.0	-4.65e-04	-4.77
		-4.77	-4.65e-04	-2.59e-04	0.0	49.6	4.17	-2.42	7.38e-03	0.0	3.21e-03	-4.58

315	156	-8.84	2.15e-03	-2.69e-04	-5.61	0.0	7.10	1.71	-0.02	0.0	2.15e-03	-8.97
		-9.51	-8.73e-03	6.40e-06	0.0	49.6	7.10	-3.89	-0.02	0.0	-8.73e-03	-9.51
315	159	1.66	2.81e-04	1.25e-04	-5.61	0.0	0.74	5.20	-8.22e-04	0.0	2.81e-04	0.47
		0.47	-1.21e-04	0.0	0.0	49.6	0.74	-0.41	-8.22e-04	0.0	-1.21e-04	1.65
315	185	-3.08	2.95e-03	1.56e-05	-5.61	0.0	3.63	3.74	-0.03	0.0	2.95e-03	-3.70
		-3.70	-0.01	2.78e-04	0.0	49.6	3.63	-1.87	-0.03	0.0	-0.01	-3.23
315	186	-4.37	3.39e-03	-1.60e-04	-5.61	0.0	4.21	3.17	7.84e-03	0.0	-5.11e-04	-4.81
		-4.81	-5.11e-04	-2.71e-04	0.0	49.6	4.21	-2.43	7.84e-03	0.0	3.39e-03	-4.63
315	188	-8.76	2.14e-03	-2.67e-04	-5.61	0.0	7.05	1.74	-0.02	0.0	2.14e-03	-8.89
		-9.42	-8.70e-03	2.91e-06	0.0	49.6	7.05	-3.86	-0.02	0.0	-8.70e-03	-9.42
315	191	1.56	2.92e-04	1.23e-04	-5.61	0.0	0.80	5.17	-9.14e-04	0.0	2.92e-04	0.38
		0.38	-1.57e-04	3.88e-06	0.0	49.6	0.80	-0.44	-9.14e-04	0.0	-1.57e-04	1.56
315	217	-2.96	3.30e-03	3.09e-05	-5.61	0.0	3.57	3.79	-0.03	0.0	3.30e-03	-3.59
		-3.59	-0.01	3.36e-04	0.0	49.6	3.57	-1.82	-0.03	0.0	-0.01	-3.10
315	218	-4.48	4.98e-03	-1.75e-04	-5.61	0.0	4.28	3.13	0.01	0.0	-8.67e-04	-4.91
		-4.91	-8.67e-04	-3.30e-04	0.0	49.6	4.28	-2.48	0.01	0.0	4.98e-03	-4.76
315	220	-9.54	2.30e-03	-2.99e-04	-5.61	0.0	7.55	1.46	-0.02	0.0	2.30e-03	-9.64
		-10.30	-9.44e-03	0.0	0.0	49.6	7.55	-4.14	-0.02	0.0	-9.44e-03	-10.30
315	223	2.44	5.81e-04	1.55e-04	-5.61	0.0	0.29	5.45	8.89e-04	0.0	1.35e-04	1.13
		1.13	1.35e-04	6.97e-06	0.0	49.6	0.29	-0.16	8.89e-04	0.0	5.81e-04	2.44
316	4	-6.38	1.75e-03	-4.67e-05	-11.14	0.0	5.03	3.48	6.98e-03	0.0	-1.71e-03	-6.65
		-7.69	-1.71e-03	3.85e-06	0.0	49.6	5.03	-7.66	6.98e-03	0.0	1.75e-03	-7.69
316	28	-5.90	1.70e-03	-1.90e-05	-11.14	0.0	4.72	3.84	7.36e-03	0.0	-1.95e-03	-6.23
		-7.09	-1.95e-03	4.25e-06	0.0	49.6	4.72	-7.30	7.36e-03	0.0	1.70e-03	-7.09
316	45	-2.01	1.04e-03	-4.26e-06	-5.22	0.0	1.85	2.00	3.42e-03	0.0	-6.59e-04	-2.20
		-2.50	-6.59e-04	3.05e-06	0.0	49.6	1.85	-3.22	3.42e-03	0.0	1.04e-03	-2.50
316	68	-4.50	1.31e-03	-3.40e-05	-7.92	0.0	3.59	2.46	5.02e-03	0.0	-1.18e-03	-4.69
		-5.43	-1.18e-03	2.98e-06	0.0	49.6	3.59	-5.46	5.02e-03	0.0	1.31e-03	-5.43
316	80	-4.18	1.27e-03	-1.52e-05	-7.92	0.0	3.39	2.70	5.27e-03	0.0	-1.34e-03	-4.41
		-5.03	-1.34e-03	3.25e-06	0.0	49.6	3.39	-5.21	5.27e-03	0.0	1.27e-03	-5.03
316	85	-2.28	1.08e-03	-9.44e-06	-5.61	0.0	2.08	2.06	3.53e-03	0.0	-6.71e-04	-2.47
		-2.84	-6.71e-04	3.10e-06	0.0	49.6	2.08	-3.54	3.53e-03	0.0	1.08e-03	-2.84
316	98	-3.72	1.23e-03	-2.47e-05	-5.61	0.0	3.06	1.57	4.55e-03	0.0	-1.02e-03	-3.82
		-4.43	-1.02e-03	3.25e-06	0.0	49.6	3.06	-4.03	4.55e-03	0.0	1.23e-03	-4.43
316	104	-2.50	1.12e-03	-2.06e-05	-5.61	0.0	2.29	1.90	3.46e-03	0.0	-6.00e-04	-2.66
		-3.11	-6.00e-04	3.17e-06	0.0	49.6	2.29	-3.70	3.46e-03	0.0	1.12e-03	-3.11
316	106	-2.55	1.13e-03	-2.39e-05	-5.61	0.0	2.34	1.86	3.45e-03	0.0	-5.82e-04	-2.70
		-3.17	-5.82e-04	3.19e-06	0.0	49.6	2.34	-3.74	3.45e-03	0.0	1.13e-03	-3.17
316	107	-3.55	1.22e-03	-2.46e-05	-5.61	0.0	2.96	1.61	4.39e-03	0.0	-9.60e-04	-3.66
		-4.25	-9.60e-04	3.24e-06	0.0	49.6	2.96	-3.99	4.39e-03	0.0	1.22e-03	-4.25
316	121	-3.21	2.71e-03	6.34e-05	-5.61	0.0	2.82	1.94	0.03	0.0	-0.01	-3.38
		-3.80	-0.01	2.33e-04	0.0	49.6	2.82	-3.67	0.03	0.0	2.71e-03	-3.80
316	122	-3.88	8.36e-03	-1.13e-04	-5.61	0.0	3.10	1.29	-0.02	0.0	8.36e-03	-3.95
		-4.71	-2.71e-04	-2.27e-04	0.0	49.6	3.10	-4.31	-0.02	0.0	-2.71e-04	-4.71
316	124	-6.48	2.05e-03	-1.54e-04	-5.61	0.0	4.94	-1.17	3.45e-03	0.0	-6.18e-04	-6.48
		-8.45	-6.18e-04	8.00e-06	0.0	49.6	4.94	-6.78	3.45e-03	0.0	2.05e-03	-8.45
316	127	7.59e-03	3.85e-04	1.05e-04	-5.61	0.0	0.99	4.40	5.33e-03	0.0	-1.30e-03	-0.84
		-0.84	-1.30e-03	-1.52e-06	0.0	49.6	0.99	-1.21	5.33e-03	0.0	3.85e-04	-0.06
316	153	-3.17	2.90e-03	7.40e-05	-5.61	0.0	2.79	1.98	0.03	0.0	-0.01	-3.34
		-3.74	-0.01	2.64e-04	0.0	49.6	2.79	-3.63	0.03	0.0	2.90e-03	-3.74
316	154	-3.92	9.58e-03	-1.23e-04	-5.61	0.0	3.13	1.25	-0.02	0.0	9.58e-03	-3.99
		-4.77	-4.65e-04	-2.57e-04	0.0	49.6	3.13	-4.35	-0.02	0.0	-4.65e-04	-4.77
316	156	-6.84	2.15e-03	-1.71e-04	-5.61	0.0	5.18	-1.52	3.31e-03	0.0	-5.64e-04	-6.84
		-8.97	-5.64e-04	7.92e-06	0.0	49.6	5.18	-7.12	3.31e-03	0.0	2.15e-03	-8.97
316	159	0.50	2.81e-04	1.21e-04	-5.61	0.0	0.74	4.75	5.47e-03	0.0	-1.36e-03	-0.49
		-0.49	-1.36e-03	-1.43e-06	0.0	49.6	0.74	-0.86	5.47e-03	0.0	2.81e-04	0.47
316	185	-3.13	2.95e-03	6.90e-05	-5.61	0.0	2.76	1.99	0.03	0.0	-0.01	-3.31
		-3.70	-0.01	2.77e-04	0.0	49.6	2.76	-3.62	0.03	0.0	2.95e-03	-3.70
316	186	-3.96	9.86e-03	-1.18e-04	-5.61	0.0	3.16	1.24	-0.02	0.0	9.86e-03	-4.02
		-4.81	-5.11e-04	-2.70e-04	0.0	49.6	3.16	-4.36	-0.02	0.0	-5.11e-04	-4.81
316	188	-6.78	2.14e-03	-1.69e-04	-5.61	0.0	5.14	-1.47	3.18e-03	0.0	-4.97e-04	-6.78
		-8.89	-4.97e-04	4.33e-06	0.0	49.6	5.14	-7.07	3.18e-03	0.0	2.14e-03	-8.89
316	191	0.42	2.92e-04	1.19e-04	-5.61	0.0	0.78	4.70	5.60e-03	0.0	-1.42e-03	-0.55
		-0.55	-1.42e-03	2.16e-06	0.0	49.6	0.78	-0.91	5.60e-03	0.0	2.92e-04	0.38
316	217	-3.04	3.30e-03	8.36e-05	-5.61	0.0	2.72	2.05	0.03	0.0	-0.01	-3.24
		-3.59	-0.01	3.35e-04	0.0	49.6	2.72	-3.56	0.03	0.0	3.30e-03	-3.59
316	218	-4.03	0.01	-1.33e-04	-5.61	0.0	3.20	1.18	-0.03	0.0	0.01	-4.09
		-4.91	-8.67e-04	-3.29e-04	0.0	49.6	3.20	-4.42	-0.03	0.0	-8.67e-04	-4.91
316	220	-7.28	2.30e-03	-1.92e-04	-5.61	0.0	5.50	-1.97	2.86e-03	0.0	-3.62e-04	-7.28
		-9.64	-3.62e-04	1.46e-06	0.0	49.6	5.50	-7.57	2.86e-03	0.0	2.30e-03	-9.64
316	223	1.14	1.35e-04	1.43e-04	-5.61	0.0	0.43	5.20	5.92e-03	0.0	-1.56e-03	-0.05
		-0.05	-1.56e-03	5.02e-06	0.0	49.6	0.43	-0.41	5.92e-03	0.0	1.35e-04	1.13
317	3	-3.77	-1.60e-03	2.48e-05	-7.67	0.0	7.58	-1.23	9.58e-03	0.0	-6.35e-03	-3.77
		-6.28	-6.35e-03	3.94e-06	0.0	49.6	7.58	-8.90	9.58e-03	0.0	-1.60e-03	-6.28
317	4	-4.02	-1.71e-03	3.01e-05	-11.14	0.0	8.01	0.25	8.91e-03	0.0	-6.13e-03	-4.02

		-6.65	-6.13e-03	4.00e-06	0.0	49.6	8.01	-10.88	8.91e-03	0.0	-1.71e-03	-6.65
317	19	-1.69	-2.61e-04	-1.70e-05	-5.22	0.0	3.53	0.17	7.05e-03	0.0	-3.76e-03	-1.69
		-2.90	-3.76e-03	2.38e-06	0.0	49.6	3.53	-5.05	7.05e-03	0.0	-2.61e-04	-2.90
317	45	-1.31	-6.59e-04	2.62e-05	-5.22	0.0	3.66	0.90	1.98e-03	0.0	-1.64e-03	-1.35
		-2.20	-1.64e-03	3.11e-06	0.0	49.6	3.66	-4.32	1.98e-03	0.0	-6.59e-04	-2.20
317	52	-3.91	-1.87e-03	4.32e-05	-11.14	0.0	8.10	0.47	7.88e-03	0.0	-5.78e-03	-3.91
		-6.44	-5.78e-03	4.50e-06	0.0	49.6	8.10	-10.66	7.88e-03	0.0	-1.87e-03	-6.44
317	67	-2.67	-1.11e-03	1.64e-05	-5.61	0.0	5.45	-0.79	7.10e-03	0.0	-4.63e-03	-2.67
		-4.45	-4.63e-03	3.05e-06	0.0	49.6	5.45	-6.39	7.10e-03	0.0	-1.11e-03	-4.45
317	68	-2.83	-1.18e-03	1.99e-05	-7.92	0.0	5.74	0.20	6.65e-03	0.0	-4.48e-03	-2.83
		-4.69	-4.48e-03	3.08e-06	0.0	49.6	5.74	-7.71	6.65e-03	0.0	-1.18e-03	-4.69
317	72	-1.73	-4.06e-04	-1.01e-05	-5.61	0.0	3.76	0.37	6.48e-03	0.0	-3.62e-03	-1.73
		-2.94	-3.62e-03	2.68e-06	0.0	49.6	3.76	-5.24	6.48e-03	0.0	-4.06e-04	-2.94
317	85	-1.47	-6.71e-04	2.06e-05	-5.61	0.0	3.84	0.86	3.10e-03	0.0	-2.21e-03	-1.50
		-2.47	-2.21e-03	3.16e-06	0.0	49.6	3.84	-4.75	3.10e-03	0.0	-6.71e-04	-2.47
317	92	-2.76	-1.29e-03	2.87e-05	-7.92	0.0	5.80	0.35	5.97e-03	0.0	-5.47e-03	-2.76
		-4.55	-4.25e-03	3.42e-06	0.0	49.6	5.80	-7.57	5.97e-03	0.0	-1.29e-03	-4.55
317	98	-2.30	-1.02e-03	1.95e-05	-5.61	0.0	5.01	-0.26	6.09e-03	0.0	-4.04e-03	-2.30
		-3.82	-4.04e-03	3.34e-06	0.0	49.6	5.01	-5.87	6.09e-03	0.0	-1.02e-03	-3.82
317	102	-1.63	-5.47e-04	-3.80e-06	-5.61	0.0	3.84	0.56	5.57e-03	0.0	-3.31e-03	-1.64
		-2.75	-3.31e-03	3.12e-06	0.0	49.6	3.84	-5.04	5.57e-03	0.0	-5.47e-04	-2.75
317	104	-1.58	-6.00e-04	9.25e-06	-5.61	0.0	3.86	0.66	4.89e-03	0.0	-3.03e-03	-1.60
		-2.66	-3.03e-03	3.22e-06	0.0	49.6	3.86	-4.94	4.89e-03	0.0	-6.00e-04	-2.66
317	106	-1.60	-5.82e-04	6.41e-06	-5.61	0.0	3.86	0.61	5.34e-03	0.0	-3.23e-03	-1.62
		-2.70	-3.23e-03	3.24e-06	0.0	49.6	3.86	-4.99	5.34e-03	0.0	-5.82e-04	-2.70
317	107	-2.21	-9.60e-04	1.77e-05	-5.61	0.0	4.85	-0.14	5.98e-03	0.0	-3.93e-03	-2.21
		-3.66	-3.93e-03	3.32e-06	0.0	49.6	4.85	-5.74	5.98e-03	0.0	-9.60e-04	-3.66
317	121	-2.10	-0.01	6.18e-05	-5.61	0.0	4.71	0.19	0.11	0.0	-0.08	-2.10
		-3.38	-0.08	2.32e-04	0.0	49.6	4.71	-5.41	0.11	0.0	-0.01	-3.38
317	122	-2.31	0.07	-2.65e-05	-5.61	0.0	4.98	-0.47	-0.10	0.0	0.07	-2.31
		-3.95	8.36e-03	-2.26e-04	0.0	49.6	4.98	-6.08	-0.10	0.0	8.36e-03	-3.95
317	124	-3.49	2.76e-03	-8.52e-05	-5.61	0.0	7.50	-3.24	0.08	0.0	2.76e-03	-3.49
		-6.48	-6.18e-04	9.63e-06	0.0	49.6	7.50	-8.84	0.08	0.0	-6.18e-04	-6.48
317	127	-0.53	-1.30e-03	1.20e-04	-5.61	0.0	2.20	2.96	-0.07	0.0	-0.01	-0.92
		-0.92	-0.01	-2.99e-06	0.0	49.6	2.20	-2.65	-0.07	0.0	-1.30e-03	-0.84
317	153	-2.08	-0.01	6.76e-05	-5.61	0.0	4.69	0.24	0.13	0.0	-0.09	-2.09
		-3.34	-0.09	2.63e-04	0.0	49.6	4.69	-5.37	0.13	0.0	-0.01	-3.34
317	154	-2.32	0.08	-3.23e-05	-5.61	0.0	5.01	-0.52	-0.11	0.0	0.08	-2.32
		-3.99	9.58e-03	-2.56e-04	0.0	49.6	5.01	-6.12	-0.11	0.0	9.58e-03	-3.99
317	156	-3.65	3.63e-03	-9.80e-05	-5.61	0.0	7.83	-3.62	0.09	0.0	3.63e-03	-3.65
		-6.84	-5.64e-04	9.73e-06	0.0	49.6	7.83	-9.23	0.09	0.0	-5.64e-04	-6.84
317	159	-0.27	-1.36e-03	1.33e-04	-5.61	0.0	1.87	3.35	-0.08	0.0	-0.01	-0.76
		-0.76	-0.01	-3.08e-06	0.0	49.6	1.87	-2.26	-0.08	0.0	-1.36e-03	-0.49
317	185	-2.06	-0.01	7.00e-05	-5.61	0.0	4.65	0.27	0.13	0.0	-0.09	-2.07
		-3.31	-0.09	2.76e-04	0.0	49.6	4.65	-5.34	0.13	0.0	-0.01	-3.31
317	186	-2.34	0.08	-3.46e-05	-5.61	0.0	5.05	-0.54	-0.12	0.0	0.08	-2.34
		-4.02	9.86e-03	-2.70e-04	0.0	49.6	5.05	-6.15	-0.12	0.0	9.86e-03	-4.02
317	188	-3.63	3.73e-03	-9.58e-05	-5.61	0.0	7.78	-3.56	0.09	0.0	3.73e-03	-3.63
		-6.78	-4.97e-04	6.04e-06	0.0	49.6	7.78	-9.17	0.09	0.0	-4.97e-04	-6.78
317	191	-0.31	-1.42e-03	1.31e-04	-5.61	0.0	1.92	3.29	-0.08	0.0	-0.01	-0.78
		-0.78	-0.01	0.0	0.0	49.6	1.92	-2.32	-0.08	0.0	-1.42e-03	-0.55
317	217	-2.03	-0.01	8.05e-05	-5.61	0.0	4.60	0.34	0.16	0.0	-0.11	-2.04
		-3.24	-0.11	3.35e-04	0.0	49.6	4.60	-5.27	0.16	0.0	-0.01	-3.24
317	218	-2.37	0.10	-4.52e-05	-5.61	0.0	5.10	-0.62	-0.15	0.0	0.10	-2.37
		-4.09	0.01	-3.28e-04	0.0	49.6	5.10	-6.22	-0.15	0.0	0.01	-4.09
317	220	-3.86	5.15e-03	-1.14e-04	-5.61	0.0	8.25	-4.12	0.11	0.0	5.15e-03	-3.86
		-7.28	-3.62e-04	3.40e-06	0.0	49.6	8.25	-9.72	0.11	0.0	-3.62e-04	-7.28
317	223	0.09	-1.56e-03	1.50e-04	-5.61	0.0	1.45	3.84	-0.10	0.0	-0.01	-0.55
		-0.55	-0.01	3.24e-06	0.0	49.6	1.45	-1.77	-0.10	0.0	-1.56e-03	-0.05
318	3	0.0	0.0	7.48e-05	-7.67	0.0	4.53	-3.77	-0.01	0.0	0.0	0.0
		-3.77	-6.35e-03	4.58e-06	0.0	49.6	4.53	-11.44	-0.01	0.0	-6.35e-03	-3.77
318	4	0.0	0.0	8.31e-05	-11.14	0.0	4.84	-2.53	-0.01	0.0	0.0	0.0
		-4.02	-6.13e-03	4.61e-06	0.0	49.6	4.84	-13.67	-0.01	0.0	-6.13e-03	-4.02
318	32	0.0	0.0	9.39e-05	-8.69	0.0	3.85	-1.96	-7.62e-03	0.0	0.0	0.0
		-3.13	-3.78e-03	3.80e-06	0.0	49.6	3.85	-10.65	-7.62e-03	0.0	-3.78e-03	-3.13
318	36	0.10	0.0	5.30e-05	-12.15	0.0	2.83	2.23	-3.66e-03	0.0	0.0	0.0
		-1.91	-1.82e-03	3.44e-06	0.0	49.6	2.83	-9.92	-3.66e-03	0.0	-1.82e-03	-1.91
318	45	0.0	0.0	4.43e-05	-5.22	0.0	2.16	-0.11	-3.31e-03	0.0	0.0	0.0
		-1.35	-1.64e-03	3.27e-06	0.0	49.6	2.16	-5.33	-3.31e-03	0.0	-1.64e-03	-1.35
318	52	0.0	0.0	9.56e-05	-11.14	0.0	4.89	-2.32	-0.01	0.0	0.0	0.0
		-3.91	-5.78e-03	5.07e-06	0.0	49.6	4.89	-13.46	-0.01	0.0	-5.78e-03	-3.91
318	67	0.0	0.0	5.16e-05	-5.61	0.0	3.27	-2.57	-9.33e-03	0.0	0.0	0.0
		-2.67	-4.63e-03	3.51e-06	0.0	49.6	3.27	-8.18	-9.33e-03	0.0	-4.63e-03	-2.67
318	68	0.0	0.0	5.71e-05	-7.92	0.0	3.48	-1.74	-9.04e-03	0.0	0.0	0.0
		-2.83	-4.48e-03	3.53e-06	0.0	49.6	3.48	-9.66	-9.04e-03	0.0	-4.48e-03	-2.83

318	80	0.0	0.0	7.35e-05	-7.92	0.0	3.45	-1.47	-7.33e-03	0.0	0.0	0.0
		-2.69	-3.64e-03	3.74e-06	0.0	49.6	3.45	-9.38	-7.33e-03	0.0	-3.64e-03	-2.69
318	81	0.04	0.0	4.62e-05	-10.23	0.0	2.77	1.33	-4.69e-03	0.0	0.0	0.0
		-1.88	-2.33e-03	3.49e-06	0.0	49.6	2.77	-8.89	-4.69e-03	0.0	-2.33e-03	-1.88
318	85	0.0	0.0	4.04e-05	-5.61	0.0	2.32	-0.23	-4.46e-03	0.0	0.0	0.0
		-1.50	-2.21e-03	3.39e-06	0.0	49.6	2.32	-5.84	-4.46e-03	0.0	-2.21e-03	-1.50
318	92	0.0	0.0	6.54e-05	-7.92	0.0	3.51	-1.60	-8.56e-03	0.0	0.0	0.0
		-2.76	-4.25e-03	3.84e-06	0.0	49.6	3.51	-9.52	-8.56e-03	0.0	-4.25e-03	-2.76
318	98	0.0	0.0	5.00e-05	-5.61	0.0	3.05	-1.84	-8.15e-03	0.0	0.0	0.0
		-2.30	-4.04e-03	3.74e-06	0.0	49.6	3.05	-7.45	-8.15e-03	0.0	-4.04e-03	-2.30
318	101	0.0	0.0	4.89e-05	-6.53	0.0	3.04	-1.31	-7.80e-03	0.0	0.0	0.0
		-2.27	-3.87e-03	3.73e-06	0.0	49.6	3.04	-7.84	-7.80e-03	0.0	-3.87e-03	-2.27
318	104	0.0	0.0	2.97e-05	-5.61	0.0	2.41	-0.41	-6.10e-03	0.0	0.0	0.0
		-1.60	-3.03e-03	3.53e-06	0.0	49.6	2.41	-6.02	-6.10e-03	0.0	-3.03e-03	-1.60
318	106	0.0	0.0	2.70e-05	-5.61	0.0	2.43	-0.46	-6.51e-03	0.0	0.0	0.0
		-1.62	-3.23e-03	3.56e-06	0.0	49.6	2.43	-6.07	-6.51e-03	0.0	-3.23e-03	-1.62
318	107	0.0	0.0	4.67e-05	-5.61	0.0	2.96	-1.64	-7.92e-03	0.0	0.0	0.0
		-2.21	-3.93e-03	3.72e-06	0.0	49.6	2.96	-7.25	-7.92e-03	0.0	-3.93e-03	-2.21
318	121	0.0	0.0	1.02e-04	-5.61	0.0	2.84	-1.43	-0.16	0.0	0.0	0.0
		-2.10	-0.08	2.37e-04	0.0	49.6	2.84	-7.04	-0.16	0.0	-0.08	-2.10
318	122	0.0	0.07	-1.13e-05	-5.61	0.0	3.08	-1.85	0.14	0.0	0.0	0.0
		-2.31	0.0	-2.30e-04	0.0	49.6	3.08	-7.46	0.14	0.0	0.07	-2.31
318	124	0.0	2.76e-03	-4.30e-05	-5.61	0.0	4.48	-4.24	5.56e-03	0.0	0.0	0.0
		-3.49	0.0	1.10e-05	0.0	49.6	4.48	-9.85	5.56e-03	0.0	2.76e-03	-3.49
318	127	0.04	0.0	1.36e-04	-5.61	0.0	1.44	0.95	-0.02	0.0	0.0	0.0
		-0.92	-0.01	-3.54e-06	0.0	49.6	1.44	-4.65	-0.02	0.0	-0.01	-0.92
318	153	0.0	0.0	1.09e-04	-5.61	0.0	2.82	-1.40	-0.18	0.0	0.0	0.0
		-2.09	-0.09	2.69e-04	0.0	49.6	2.82	-7.01	-0.18	0.0	-0.09	-2.09
318	154	0.0	0.08	-1.66e-05	-5.61	0.0	3.09	-1.88	0.16	0.0	0.0	0.0
		-2.32	0.0	-2.61e-04	0.0	49.6	3.09	-7.49	0.16	0.0	0.08	-2.32
318	156	0.0	3.63e-03	-5.42e-05	-5.61	0.0	4.67	-4.56	7.32e-03	0.0	0.0	0.0
		-3.65	0.0	1.12e-05	0.0	49.6	4.67	-10.17	7.32e-03	0.0	3.63e-03	-3.65
318	159	0.07	0.0	1.48e-04	-5.61	0.0	1.25	1.28	-0.02	0.0	0.0	0.0
		-0.76	-0.01	-3.74e-06	0.0	49.6	1.25	-4.33	-0.02	0.0	-0.01	-0.76
318	185	0.0	0.0	1.10e-04	-5.61	0.0	2.80	-1.36	-0.18	0.0	0.0	0.0
		-2.07	-0.09	2.83e-04	0.0	49.6	2.80	-6.97	-0.18	0.0	-0.09	-2.07
318	186	0.0	0.08	-1.73e-05	-5.61	0.0	3.12	-1.92	0.17	0.0	0.0	0.0
		-2.34	0.0	-2.75e-04	0.0	49.6	3.12	-7.53	0.17	0.0	0.08	-2.34
318	188	0.0	3.73e-03	-5.30e-05	-5.61	0.0	4.64	-4.51	7.52e-03	0.0	0.0	0.0
		-3.63	0.0	7.37e-06	0.0	49.6	4.64	-10.12	7.52e-03	0.0	3.73e-03	-3.63
318	191	0.06	0.0	1.46e-04	-5.61	0.0	1.28	1.22	-0.02	0.0	0.0	0.0
		-0.78	-0.01	0.0	0.0	49.6	1.28	-4.38	-0.02	0.0	-0.01	-0.78
318	217	0.0	0.0	1.22e-04	-5.61	0.0	2.76	-1.30	-0.22	0.0	0.0	0.0
		-2.04	-0.11	3.43e-04	0.0	49.6	2.76	-6.91	-0.22	0.0	-0.11	-2.04
318	218	0.0	0.10	-2.86e-05	-5.61	0.0	3.15	-1.98	0.20	0.0	0.0	0.0
		-2.37	0.0	-3.36e-04	0.0	49.6	3.15	-7.59	0.20	0.0	0.10	-2.37
318	220	0.0	5.15e-03	-6.94e-05	-5.61	0.0	4.91	-4.97	0.01	0.0	0.0	0.0
		-3.86	0.0	4.86e-06	0.0	49.6	4.91	-10.58	0.01	0.0	5.15e-03	-3.86
318	223	0.13	0.0	1.63e-04	-5.61	0.0	1.01	1.69	-0.03	0.0	0.0	0.0
		-0.55	-0.01	2.58e-06	0.0	49.6	1.01	-3.92	-0.03	0.0	-0.01	-0.55
319	3	0.0	0.06	-1.24e-04	-0.23	0.0	-0.63	-0.05	-0.12	-3.41e-03	0.06	0.0
		-0.09	-0.01	2.04e-05	0.0	56.0	-0.63	-0.28	-0.12	-3.41e-03	-0.01	-0.09
319	4	0.0	0.06	-1.22e-04	-0.23	0.0	-0.61	-0.16	-0.13	-3.15e-03	0.06	0.0
		-0.15	-0.01	2.13e-05	0.0	56.0	-0.61	-0.39	-0.13	-3.15e-03	-0.01	-0.15
319	21	1.71e-03	0.03	-9.23e-05	-0.18	0.0	-0.46	0.03	-0.08	-2.40e-03	0.03	0.0
		-0.03	-8.41e-03	1.32e-05	0.0	56.0	-0.46	-0.14	-0.08	-2.40e-03	-8.41e-03	-0.03
319	28	0.0	0.06	-1.18e-04	-0.23	0.0	-0.60	-0.32	-0.13	-3.37e-03	0.06	0.0
		-0.24	-8.90e-03	2.35e-05	0.0	56.0	-0.60	-0.55	-0.13	-3.37e-03	-8.90e-03	-0.24
319	33	0.0	0.04	-8.63e-05	-0.23	0.0	-0.38	-0.50	-0.09	-2.05e-03	0.04	0.0
		-0.34	-6.99e-03	1.76e-05	0.0	56.0	-0.38	-0.72	-0.09	-2.05e-03	-6.99e-03	-0.34
319	36	0.0	0.03	-6.28e-05	-0.18	0.0	-0.27	-0.44	-0.07	-1.42e-03	0.03	0.0
		-0.29	-4.99e-03	1.34e-05	0.0	56.0	-0.27	-0.61	-0.07	-1.42e-03	-4.99e-03	-0.29
319	67	0.0	0.04	-9.09e-05	-0.18	0.0	-0.46	-0.05	-0.08	-2.50e-03	0.04	0.0
		-0.08	-7.67e-03	1.48e-05	0.0	56.0	-0.46	-0.23	-0.08	-2.50e-03	-7.67e-03	-0.08
319	68	0.0	0.04	-8.99e-05	-0.18	0.0	-0.44	-0.12	-0.09	-2.32e-03	0.04	0.0
		-0.12	-7.81e-03	1.54e-05	0.0	56.0	-0.44	-0.30	-0.09	-2.32e-03	-7.81e-03	-0.12
319	80	0.0	0.04	-8.71e-05	-0.18	0.0	-0.44	-0.23	-0.09	-2.47e-03	0.04	0.0
		-0.18	-6.60e-03	1.69e-05	0.0	56.0	-0.44	-0.40	-0.09	-2.47e-03	-6.60e-03	-0.18
319	81	0.0	0.03	-6.59e-05	-0.18	0.0	-0.29	-0.35	-0.06	-1.59e-03	0.03	0.0
		-0.24	-5.32e-03	1.30e-05	0.0	56.0	-0.29	-0.52	-0.06	-1.59e-03	-5.32e-03	-0.24
319	98	0.0	0.03	-8.37e-05	-0.18	0.0	-0.42	-0.11	-0.07	-2.35e-03	0.03	0.0
		-0.11	-6.70e-03	1.43e-05	0.0	56.0	-0.42	-0.29	-0.07	-2.35e-03	-6.70e-03	-0.11
319	99	0.0	0.02	-6.91e-05	-0.18	0.0	-0.32	-0.17	-0.05	-1.78e-03	0.02	0.0
		-0.15	-5.77e-03	1.14e-05	0.0	56.0	-0.32	-0.35	-0.05	-1.78e-03	-5.77e-03	-0.15
319	103	0.0	0.03	-8.21e-05	-0.18	0.0	-0.41	-0.10	-0.07	-2.26e-03	0.03	0.0

		-0.11	-6.74e-03	1.36e-05	0.0	56.0	-0.41	-0.28	-0.07	-2.26e-03	-6.74e-03	-0.11
319	106	0.0	0.02	-6.96e-05	-0.18	0.0	-0.33	-0.15	-0.05	-1.85e-03	0.02	0.0
		-0.13	-5.71e-03	1.12e-05	0.0	56.0	-0.33	-0.32	-0.05	-1.85e-03	-5.71e-03	-0.13
319	107	0.0	0.03	-8.17e-05	-0.18	0.0	-0.40	-0.12	-0.07	-2.28e-03	0.03	0.0
		-0.11	-6.56e-03	1.39e-05	0.0	56.0	-0.40	-0.29	-0.07	-2.28e-03	-6.56e-03	-0.11
319	108	2.09	0.01	1.27e-05	-0.18	0.0	-2.07	3.82	-0.04	-6.85e-03	0.01	0.0
		0.0	-4.60e-03	3.17e-04	0.0	56.0	-2.07	3.65	-0.04	-6.85e-03	-4.60e-03	2.09
319	111	0.0	0.05	-1.76e-04	-0.18	0.0	1.27	-4.06	-0.10	2.29e-03	0.05	0.0
		-2.32	-8.52e-03	-2.89e-04	0.0	56.0	1.27	-4.23	-0.10	2.29e-03	-8.52e-03	-2.32
319	116	2.02	0.01	-2.32e-04	-0.18	0.0	-2.13	3.70	-0.04	-6.43e-03	0.01	0.0
		0.0	-4.12e-03	3.33e-04	0.0	56.0	-2.13	3.52	-0.04	-6.43e-03	-4.12e-03	2.02
319	119	0.0	0.05	6.91e-05	-0.18	0.0	1.32	-3.93	-0.10	1.88e-03	0.05	0.0
		-2.25	-8.99e-03	-3.05e-04	0.0	56.0	1.32	-4.11	-0.10	1.88e-03	-8.99e-03	-2.25
319	138	0.07	0.05	-5.54e-05	-0.18	0.0	-0.50	0.22	-0.13	2.53e-03	0.05	0.0
		0.0	-0.02	-1.09e-05	0.0	56.0	-0.50	0.04	-0.13	2.53e-03	-0.02	0.07
319	140	2.37	0.01	2.50e-05	-0.18	0.0	-2.29	4.32	-0.03	-7.42e-03	0.01	0.0
		0.0	-4.35e-03	3.55e-04	0.0	56.0	-2.29	4.15	-0.03	-7.42e-03	-4.35e-03	2.37
319	143	0.0	0.05	-1.88e-04	-0.18	0.0	1.48	-4.56	-0.11	2.86e-03	0.05	0.0
		-2.60	-8.76e-03	-3.27e-04	0.0	56.0	1.48	-4.73	-0.11	2.86e-03	-8.76e-03	-2.60
319	148	2.30	0.01	-2.54e-04	-0.18	0.0	-2.35	4.20	-0.04	-6.92e-03	0.01	0.0
		0.0	-3.84e-03	3.74e-04	0.0	56.0	-2.35	4.02	-0.04	-6.92e-03	-3.84e-03	2.30
319	151	0.0	0.06	9.02e-05	-0.18	0.0	1.54	-4.43	-0.10	2.36e-03	0.06	0.0
		-2.53	-9.28e-03	-3.46e-04	0.0	56.0	1.54	-4.61	-0.10	2.36e-03	-9.28e-03	-2.53
319	170	0.10	0.05	-5.18e-05	-0.18	0.0	-0.51	0.26	-0.14	3.12e-03	0.05	0.0
		0.0	-0.03	-1.37e-05	0.0	56.0	-0.51	0.09	-0.14	3.12e-03	-0.03	0.10
319	180	2.38	0.01	-2.71e-04	-0.18	0.0	-2.41	4.34	-0.04	-6.51e-03	0.01	0.0
		0.0	-4.14e-03	3.77e-04	0.0	56.0	-2.41	4.16	-0.04	-6.51e-03	-4.14e-03	2.38
319	183	0.0	0.05	1.08e-04	-0.18	0.0	1.61	-4.57	-0.10	1.96e-03	0.05	0.0
		-2.61	-8.98e-03	-3.49e-04	0.0	56.0	1.61	-4.75	-0.10	1.96e-03	-8.98e-03	-2.61
319	202	0.10	0.05	-4.87e-05	-0.18	0.0	-0.51	0.27	-0.14	2.88e-03	0.05	0.0
		0.0	-0.03	-1.14e-05	0.0	56.0	-0.51	0.09	-0.14	2.88e-03	-0.03	0.10
319	215	0.0	0.06	1.53e-04	-0.18	0.0	2.02	-5.49	-0.10	2.58e-03	0.06	0.0
		-3.12	-9.39e-03	-4.21e-04	0.0	56.0	2.02	-5.67	-0.10	2.58e-03	-9.39e-03	-3.12
319	216	2.90	0.02	-3.03e-04	-0.18	0.0	-2.83	5.26	-0.05	-6.84e-03	0.02	0.0
		0.0	-5.47e-03	4.88e-04	0.0	56.0	-2.83	5.09	-0.05	-6.84e-03	-5.47e-03	2.90
319	219	0.0	0.05	1.40e-04	-0.18	0.0	2.03	-5.50	-0.09	2.29e-03	0.05	0.0
		-3.13	-7.65e-03	-4.60e-04	0.0	56.0	2.03	-5.67	-0.09	2.29e-03	-7.65e-03	-3.13
319	234	0.13	0.06	-4.11e-05	-0.18	0.0	-0.53	0.33	-0.15	3.68e-03	0.06	0.0
		0.0	-0.03	-1.57e-05	0.0	56.0	-0.53	0.15	-0.15	3.68e-03	-0.03	0.13
320	18	-0.14	-0.01	-1.19e-04	-0.23	0.0	-1.83	-0.02	-0.16	-2.77e-03	-0.01	-0.14
		-0.21	-0.10	1.67e-05	0.0	56.0	-1.83	-0.24	-0.16	-2.77e-03	-0.10	-0.21
320	19	-0.06	-6.93e-03	7.26e-05	-0.18	0.0	-1.05	-9.53e-04	-0.16	-1.66e-03	-6.93e-03	-0.06
		-0.11	-0.09	7.43e-06	0.0	56.0	-1.05	-0.18	-0.16	-1.66e-03	-0.09	-0.11
320	21	-0.03	-8.41e-03	-9.18e-05	-0.18	0.0	-1.43	-0.05	-0.16	-2.40e-03	-8.41e-03	-0.03
		-0.11	-0.10	1.19e-05	0.0	56.0	-1.43	-0.22	-0.16	-2.40e-03	-0.10	-0.11
320	28	-0.24	0.09	-1.28e-04	-0.23	0.0	-2.07	-0.05	0.17	-3.37e-03	-8.90e-03	-0.24
		-0.34	-8.90e-03	2.17e-05	0.0	56.0	-2.07	-0.28	0.17	-3.37e-03	0.09	-0.34
320	33	-0.34	0.09	-1.02e-04	-0.23	0.0	-1.53	0.04	0.18	-2.05e-03	-6.99e-03	-0.34
		-0.38	-6.99e-03	1.62e-05	0.0	56.0	-1.53	-0.18	0.18	-2.05e-03	0.09	-0.38
320	45	-0.21	0.16	-7.31e-05	-0.18	0.0	-1.15	-0.03	0.30	-2.03e-03	-3.89e-03	-0.21
		-0.27	-3.89e-03	1.11e-05	0.0	56.0	-1.15	-0.20	0.30	-2.03e-03	0.16	-0.27
320	72	-0.09	-6.62e-03	-7.43e-05	-0.18	0.0	-1.09	-4.31e-03	-0.10	-1.75e-03	-6.62e-03	-0.09
		-0.14	-0.07	8.62e-06	0.0	56.0	-1.09	-0.18	-0.10	-1.75e-03	-0.07	-0.14
320	74	-0.07	-7.61e-03	-8.71e-05	-0.18	0.0	-1.35	-0.03	-0.11	-2.24e-03	-7.61e-03	-0.07
		-0.14	-0.07	1.16e-05	0.0	56.0	-1.35	-0.21	-0.11	-2.24e-03	-0.07	-0.14
320	75	-0.11	-7.75e-03	-8.84e-05	-0.18	0.0	-1.35	-0.01	-0.11	-2.07e-03	-7.75e-03	-0.11
		-0.16	-0.07	1.22e-05	0.0	56.0	-1.35	-0.19	-0.11	-2.07e-03	-0.07	-0.16
320	80	-0.18	0.06	-9.41e-05	-0.18	0.0	-1.51	-0.04	0.11	-2.47e-03	-6.60e-03	-0.18
		-0.25	-6.60e-03	1.56e-05	0.0	56.0	-1.51	-0.21	0.11	-2.47e-03	0.06	-0.25
320	81	-0.24	0.06	-7.71e-05	-0.18	0.0	-1.15	0.03	0.12	-1.59e-03	-5.32e-03	-0.24
		-0.28	-5.32e-03	1.19e-05	0.0	56.0	-1.15	-0.15	0.12	-1.59e-03	0.06	-0.28
320	85	-0.19	0.11	-7.46e-05	-0.18	0.0	-1.16	-0.02	0.20	-1.99e-03	-4.59e-03	-0.19
		-0.25	-4.59e-03	1.10e-05	0.0	56.0	-1.16	-0.20	0.20	-1.99e-03	0.11	-0.25
320	98	-0.11	-6.70e-03	-8.74e-05	-0.18	0.0	-1.37	-0.04	-6.18e-03	-2.35e-03	-6.70e-03	-0.11
		-0.18	-0.01	1.32e-05	0.0	56.0	-1.37	-0.22	-6.18e-03	-2.35e-03	-0.01	-0.18
320	102	-0.12	-5.89e-03	-7.45e-05	-0.18	0.0	-1.11	-9.35e-03	-0.02	-1.83e-03	-5.89e-03	-0.12
		-0.18	-0.02	9.89e-06	0.0	56.0	-1.11	-0.18	-0.02	-1.83e-03	-0.02	-0.18
320	103	-0.11	-6.74e-03	-8.55e-05	-0.18	0.0	-1.33	-0.04	-0.03	-2.26e-03	-6.74e-03	-0.11
		-0.17	-0.02	1.24e-05	0.0	56.0	-1.33	-0.21	-0.03	-2.26e-03	-0.02	-0.17
320	104	-0.14	0.01	-7.46e-05	-0.18	0.0	-1.12	-0.01	0.04	-1.88e-03	-5.49e-03	-0.14
		-0.20	-5.49e-03	1.04e-05	0.0	56.0	-1.12	-0.19	0.04	-1.88e-03	0.01	-0.20
320	106	-0.13	-5.71e-03	-7.46e-05	-0.18	0.0	-1.11	-0.01	-3.99e-03	-1.85e-03	-5.71e-03	-0.13
		-0.19	-7.94e-03	1.02e-05	0.0	56.0	-1.11	-0.19	-3.99e-03	-1.85e-03	-7.94e-03	-0.19
320	107	-0.11	-6.56e-03	-8.55e-05	-0.18	0.0	-1.33	-0.04	-5.87e-03	-2.28e-03	-6.56e-03	-0.11
		-0.18	-9.84e-03	1.28e-05	0.0	56.0	-1.33	-0.21	-5.87e-03	-2.28e-03	-9.84e-03	-0.18

320	108	3.92	0.02	-2.03e-03	-0.18	0.0	-5.26	2.78	0.05	-6.85e-03	-4.60e-03	2.09
		2.09	-4.60e-03	3.14e-04	0.0	56.0	-5.26	2.60	0.05	-6.85e-03	0.02	3.92
320	111	-2.32	-8.52e-03	1.86e-03	-0.18	0.0	2.59	-2.85	-0.06	2.29e-03	-8.52e-03	-2.32
		-4.29	-0.04	-2.89e-04	0.0	56.0	2.59	-3.03	-0.06	2.29e-03	-0.04	-4.29
320	112	3.90	7.94e-03	-2.02e-03	-0.18	0.0	-5.27	3.40	0.03	-6.65e-03	-5.86e-03	2.08
		2.08	-5.86e-03	3.41e-04	0.0	56.0	-5.27	3.22	0.03	-6.65e-03	7.94e-03	3.90
320	115	-2.31	-7.26e-03	1.85e-03	-0.18	0.0	2.60	-3.47	-0.04	2.09e-03	-7.26e-03	-2.31
		-4.27	-0.03	-3.15e-04	0.0	56.0	2.60	-3.64	-0.04	2.09e-03	-0.03	-4.27
320	133	-0.28	0.15	-6.76e-04	-0.18	0.0	-1.10	-0.14	0.24	-7.21e-03	0.01	-0.28
		-0.32	0.01	3.61e-05	0.0	56.0	-1.10	-0.32	0.24	-7.21e-03	0.15	-0.32
320	134	0.05	-0.02	5.05e-04	-0.18	0.0	-1.57	0.07	-0.25	2.66e-03	-0.02	0.05
		-0.05	-0.17	-1.05e-05	0.0	56.0	-1.57	-0.11	-0.25	2.66e-03	-0.17	-0.05
320	140	4.45	0.03	-2.28e-03	-0.18	0.0	-5.76	3.13	0.06	-7.42e-03	-4.35e-03	2.37
		2.37	-4.35e-03	3.52e-04	0.0	56.0	-5.76	2.96	0.06	-7.42e-03	0.03	4.45
320	143	-2.60	-8.76e-03	2.11e-03	-0.18	0.0	3.09	-3.21	-0.07	2.86e-03	-8.76e-03	-2.60
		-4.81	-0.05	-3.27e-04	0.0	56.0	3.09	-3.38	-0.07	2.86e-03	-0.05	-4.81
320	144	4.42	0.01	-2.27e-03	-0.18	0.0	-5.77	3.83	0.03	-7.19e-03	-5.77e-03	2.36
		2.36	-5.77e-03	3.82e-04	0.0	56.0	-5.77	3.66	0.03	-7.19e-03	0.01	4.42
320	147	-2.59	-7.34e-03	2.10e-03	-0.18	0.0	3.10	-3.91	-0.04	2.64e-03	-7.34e-03	-2.59
		-4.79	-0.03	-3.57e-04	0.0	56.0	3.10	-4.08	-0.04	2.64e-03	-0.03	-4.79
320	165	-0.31	0.17	-7.50e-04	-0.18	0.0	-1.06	-0.16	0.27	-7.83e-03	0.01	-0.31
		-0.35	0.01	3.85e-05	0.0	56.0	-1.06	-0.34	0.27	-7.83e-03	0.17	-0.35
320	166	0.08	-0.03	5.79e-04	-0.18	0.0	-1.61	0.09	-0.28	3.27e-03	-0.03	0.08
		-0.02	-0.19	-1.29e-05	0.0	56.0	-1.61	-0.09	-0.28	3.27e-03	-0.19	-0.02
320	172	4.46	0.03	-2.20e-03	-0.18	0.0	-5.77	3.14	0.05	-7.02e-03	-4.64e-03	2.38
		2.38	-4.64e-03	3.45e-04	0.0	56.0	-5.77	2.97	0.05	-7.02e-03	0.03	4.46
320	175	-2.61	-8.48e-03	2.03e-03	-0.18	0.0	3.10	-3.21	-0.07	2.47e-03	-8.48e-03	-2.61
		-4.83	-0.05	-3.19e-04	0.0	56.0	3.10	-3.39	-0.07	2.47e-03	-0.05	-4.83
320	184	4.41	6.15e-03	-2.09e-04	-0.18	0.0	-5.83	3.78	0.02	-6.26e-03	-5.60e-03	2.38
		2.38	-5.60e-03	4.06e-04	0.0	56.0	-5.83	3.60	0.02	-6.26e-03	6.15e-03	4.41
320	187	-2.61	-7.51e-03	3.85e-05	-0.18	0.0	3.16	-3.85	-0.03	1.71e-03	-7.51e-03	-2.61
		-4.78	-0.03	-3.81e-04	0.0	56.0	3.16	-4.03	-0.03	1.71e-03	-0.03	-4.78
320	197	-0.33	0.16	-7.25e-04	-0.18	0.0	-1.02	-0.18	0.27	-7.58e-03	0.01	-0.33
		-0.39	0.01	3.29e-05	0.0	56.0	-1.02	-0.36	0.27	-7.58e-03	0.16	-0.39
320	198	0.10	-0.03	5.54e-04	-0.18	0.0	-1.65	0.11	-0.28	3.03e-03	-0.03	0.10
		0.02	-0.18	-7.32e-06	0.0	56.0	-1.65	-0.07	-0.28	3.03e-03	-0.18	0.02
320	212	5.38	0.03	-2.53e-04	-0.18	0.0	-6.73	3.72	0.06	-7.14e-03	-3.73e-03	2.89
		2.89	-3.73e-03	4.45e-04	0.0	56.0	-6.73	3.55	0.06	-7.14e-03	0.03	5.38
320	215	-3.12	-9.39e-03	8.23e-05	-0.18	0.0	4.06	-3.80	-0.07	2.58e-03	-9.39e-03	-3.12
		-5.75	-0.05	-4.20e-04	0.0	56.0	4.06	-3.97	-0.07	2.58e-03	-0.05	-5.75
320	216	5.38	8.78e-03	-2.40e-04	-0.18	0.0	-6.76	4.57	0.03	-6.84e-03	-5.47e-03	2.90
		2.90	-5.47e-03	4.85e-04	0.0	56.0	-6.76	4.40	0.03	-6.84e-03	8.78e-03	5.38
320	219	-3.13	-7.65e-03	6.86e-05	-0.18	0.0	4.10	-4.65	-0.04	2.29e-03	-7.65e-03	-3.13
		-5.74	-0.03	-4.59e-04	0.0	56.0	4.10	-4.82	-0.04	2.29e-03	-0.03	-5.74
320	229	-0.39	0.19	-8.23e-04	-0.18	0.0	-0.93	-0.22	0.31	-8.38e-03	0.02	-0.39
		-0.45	0.02	3.27e-05	0.0	56.0	-0.93	-0.40	0.31	-8.38e-03	0.19	-0.45
320	230	0.16	-0.03	6.52e-04	-0.18	0.0	-1.74	0.15	-0.33	3.83e-03	-0.03	0.16
		0.09	-0.21	-7.15e-06	0.0	56.0	-1.74	-0.03	-0.33	3.83e-03	-0.21	0.09
321	4	0.21	0.01	-1.56e-04	-0.24	0.0	-0.34	0.87	0.13	-3.15e-03	-0.07	-0.24
		-0.24	-0.07	8.84e-06	0.0	60.0	-0.34	0.62	0.13	-3.15e-03	0.01	0.21
321	17	0.24	0.03	-1.43e-04	-0.24	0.0	-0.18	0.81	0.21	-3.03e-03	-0.10	-0.17
		-0.17	-0.10	-1.00e-06	0.0	60.0	-0.18	0.57	0.21	-3.03e-03	0.03	0.24
321	18	0.22	0.02	-1.46e-04	-0.24	0.0	-0.21	0.85	0.21	-2.77e-03	-0.10	-0.21
		-0.21	-0.10	0.0	0.0	60.0	-0.21	0.60	0.21	-2.77e-03	0.02	0.22
321	33	0.12	0.09	-1.33e-04	-0.24	0.0	0.10	0.96	-0.23	-2.05e-03	0.09	-0.38
		-0.38	-0.05	3.37e-05	0.0	60.0	0.10	0.72	-0.23	-2.05e-03	-0.05	0.12
321	45	0.10	0.16	-9.65e-05	-0.19	0.0	0.21	0.71	-0.39	-2.03e-03	0.16	-0.27
		-0.27	-0.07	4.11e-05	0.0	60.0	0.21	0.53	-0.39	-2.03e-03	-0.07	0.10
321	68	0.16	6.65e-03	-1.15e-04	-0.19	0.0	-0.20	0.66	0.09	-2.32e-03	-0.05	-0.18
		-0.18	-0.05	6.91e-06	0.0	60.0	-0.20	0.48	0.09	-2.32e-03	6.65e-03	0.16
321	74	0.18	0.02	-1.06e-04	-0.19	0.0	-0.09	0.63	0.14	-2.24e-03	-0.07	-0.14
		-0.14	-0.07	0.0	0.0	60.0	-0.09	0.44	0.14	-2.24e-03	0.02	0.18
321	75	0.17	0.02	-1.08e-04	-0.19	0.0	-0.11	0.65	0.14	-2.07e-03	-0.07	-0.16
		-0.16	-0.07	1.08e-06	0.0	60.0	-0.11	0.46	0.14	-2.07e-03	0.02	0.17
321	81	0.10	0.06	-1.00e-04	-0.19	0.0	0.09	0.73	-0.15	-1.59e-03	0.06	-0.28
		-0.28	-0.03	2.35e-05	0.0	60.0	0.09	0.54	-0.15	-1.59e-03	-0.03	0.10
321	85	0.12	0.11	-9.70e-05	-0.19	0.0	0.16	0.70	-0.26	-1.99e-03	0.11	-0.25
		-0.25	-0.05	3.08e-05	0.0	60.0	0.16	0.51	-0.26	-1.99e-03	-0.05	0.12
321	98	0.16	-5.91e-03	-1.09e-04	-0.19	0.0	-0.09	0.66	7.08e-03	-2.35e-03	-0.01	-0.18
		-0.18	-0.01	1.23e-05	0.0	60.0	-0.09	0.47	7.08e-03	-2.35e-03	-5.91e-03	0.16
321	103	0.16	-1.29e-03	-1.06e-04	-0.19	0.0	-0.06	0.65	0.03	-2.26e-03	-0.02	-0.17
		-0.17	-0.02	9.52e-06	0.0	60.0	-0.06	0.47	0.03	-2.26e-03	-1.29e-03	0.16
321	104	0.14	0.01	-9.50e-05	-0.19	0.0	0.12	0.67	-0.05	-1.88e-03	0.01	-0.20
		-0.20	-0.01	1.38e-05	0.0	60.0	0.12	0.48	-0.05	-1.88e-03	-0.01	0.14
321	106	0.15	-4.60e-03	-9.45e-05	-0.19	0.0	0.11	0.66	5.58e-03	-1.85e-03	-7.94e-03	-0.19

		-0.19	-7.94e-03	9.52e-06	0.0	60.0	0.11	0.47	5.58e-03	-1.85e-03	-4.60e-03	0.15
321	107	0.16	-5.72e-03	-1.07e-04	-0.19	0.0	-0.06	0.66	6.87e-03	-2.28e-03	-9.84e-03	-0.18
		-0.18	-9.84e-03	1.19e-05	0.0	60.0	-0.06	0.47	6.87e-03	-2.28e-03	-5.72e-03	0.16
321	108	3.92	0.02	-5.46e-05	-0.19	0.0	-4.35	-2.69	-0.08	-6.85e-03	0.02	3.92
		2.25	-0.02	3.20e-04	0.0	60.0	-4.35	-2.88	-0.08	-6.85e-03	-0.02	2.25
321	111	-1.94	0.01	-1.59e-04	-0.19	0.0	4.23	4.01	0.09	2.29e-03	-0.04	-4.29
		-4.29	-0.04	-2.96e-04	0.0	60.0	4.23	3.83	0.09	2.29e-03	0.01	-1.94
321	112	3.90	7.94e-03	-4.79e-05	-0.19	0.0	-5.28	-2.68	-0.04	-6.65e-03	7.94e-03	3.90
		2.24	-0.02	3.46e-04	0.0	60.0	-5.28	-2.87	-0.04	-6.65e-03	-0.02	2.24
321	115	-1.93	3.59e-03	-1.65e-04	-0.19	0.0	5.16	4.00	0.05	2.09e-03	-0.03	-4.27
		-4.27	-0.03	-3.22e-04	0.0	60.0	5.16	3.81	0.05	2.09e-03	3.59e-03	-1.93
321	133	0.08	0.15	-1.16e-04	-0.19	0.0	0.13	0.77	-0.36	-7.21e-03	0.15	-0.32
		-0.32	-0.07	5.94e-05	0.0	60.0	0.13	0.58	-0.36	-7.21e-03	-0.07	0.08
321	134	0.23	0.06	-9.70e-05	-0.19	0.0	-0.25	0.55	0.37	2.66e-03	-0.17	-0.05
		-0.05	-0.17	-3.56e-05	0.0	60.0	-0.25	0.36	0.37	2.66e-03	0.06	0.23
321	140	4.45	0.03	-4.81e-05	-0.19	0.0	-4.90	-3.12	-0.09	-7.42e-03	0.03	4.45
		2.52	-0.02	3.59e-04	0.0	60.0	-4.90	-3.31	-0.09	-7.42e-03	-0.02	2.52
321	143	-2.21	0.01	-1.65e-04	-0.19	0.0	4.77	4.44	0.10	2.86e-03	-0.05	-4.81
		-4.81	-0.05	-3.35e-04	0.0	60.0	4.77	4.25	0.10	2.86e-03	0.01	-2.21
321	144	4.42	0.01	-4.09e-05	-0.19	0.0	-5.95	-3.10	-0.04	-7.19e-03	0.01	4.42
		2.51	-0.02	3.88e-04	0.0	60.0	-5.95	-3.29	-0.04	-7.19e-03	-0.02	2.51
321	147	-2.20	4.75e-03	-1.73e-04	-0.19	0.0	5.82	4.42	0.06	2.64e-03	-0.03	-4.79
		-4.79	-0.03	-3.64e-04	0.0	60.0	5.82	4.23	0.06	2.64e-03	4.75e-03	-2.20
321	165	0.07	0.17	-1.18e-04	-0.19	0.0	0.16	0.79	-0.40	-7.83e-03	0.17	-0.35
		-0.35	-0.08	6.48e-05	0.0	60.0	0.16	0.60	-0.40	-7.83e-03	-0.08	0.07
321	166	0.24	0.06	-9.57e-05	-0.19	0.0	-0.28	0.53	0.42	3.27e-03	-0.19	-0.02
		-0.02	-0.19	-4.10e-05	0.0	60.0	-0.28	0.35	0.42	3.27e-03	0.06	0.24
321	172	4.46	0.03	-5.04e-05	-0.19	0.0	-4.90	-3.14	-0.08	-7.02e-03	0.03	4.46
		2.53	-0.02	3.51e-04	0.0	60.0	-4.90	-3.32	-0.08	-7.02e-03	-0.02	2.53
321	175	-2.22	0.01	-1.63e-04	-0.19	0.0	4.78	4.46	0.10	2.47e-03	-0.05	-4.83
		-4.83	-0.05	-3.28e-04	0.0	60.0	4.78	4.27	0.10	2.47e-03	0.01	-2.22
321	176	4.45	7.76e-03	-4.25e-05	-0.19	0.0	-5.98	-3.13	-0.04	-6.78e-03	7.76e-03	4.45
		2.52	-0.02	3.83e-04	0.0	60.0	-5.98	-3.31	-0.04	-6.78e-03	-0.02	2.52
321	179	-2.21	3.81e-03	-1.71e-04	-0.19	0.0	5.86	4.45	0.05	2.23e-03	-0.03	-4.82
		-4.82	-0.03	-3.59e-04	0.0	60.0	5.86	4.26	0.05	2.23e-03	3.81e-03	-2.21
321	197	0.05	0.16	-1.19e-04	-0.19	0.0	0.19	0.82	-0.40	-7.58e-03	0.16	-0.39
		-0.39	-0.08	5.86e-05	0.0	60.0	0.19	0.63	-0.40	-7.58e-03	-0.08	0.05
321	198	0.26	0.06	-9.47e-05	-0.19	0.0	-0.31	0.50	0.41	3.03e-03	-0.18	0.02
		0.02	-0.18	-3.48e-05	0.0	60.0	-0.31	0.31	0.41	3.03e-03	0.06	0.26
321	208	5.29	9.68e-03	-3.53e-05	-0.19	0.0	-7.04	-3.81	-0.04	-7.33e-03	9.68e-03	5.29
		2.95	-0.02	4.46e-04	0.0	60.0	-7.04	-4.00	-0.04	-7.33e-03	-0.02	2.95
321	211	-2.64	5.04e-03	-1.81e-04	-0.19	0.0	6.92	5.13	0.06	2.78e-03	-0.03	-5.66
		-5.66	-0.03	-4.22e-04	0.0	60.0	6.92	4.94	0.06	2.78e-03	5.04e-03	-2.64
321	212	5.38	0.03	-3.70e-05	-0.19	0.0	-5.71	-3.89	-0.09	-7.14e-03	0.03	5.38
		2.99	-0.02	4.57e-04	0.0	60.0	-5.71	-4.08	-0.09	-7.14e-03	-0.02	2.99
321	215	-2.68	0.01	-1.79e-04	-0.19	0.0	5.59	5.21	0.10	2.58e-03	-0.05	-5.75
		-5.75	-0.05	-4.33e-04	0.0	60.0	5.59	5.02	0.10	2.58e-03	0.01	-2.68
321	229	0.01	0.19	-1.21e-04	-0.19	0.0	0.27	0.87	-0.46	-8.38e-03	0.19	-0.45
		-0.45	-0.09	6.27e-05	0.0	60.0	0.27	0.68	-0.46	-8.38e-03	-0.09	0.01
321	230	0.30	0.08	-9.21e-05	-0.19	0.0	-0.39	0.45	0.48	3.83e-03	-0.21	0.09
		0.09	-0.21	-3.88e-05	0.0	60.0	-0.39	0.26	0.48	3.83e-03	0.08	0.30
322	3	0.86	-0.02	-3.99e-05	-0.12	0.0	-4.14	0.11	0.20	-3.41e-03	-0.08	0.84
		0.84	-0.08	5.60e-06	0.0	30.0	-4.14	-0.01	0.20	-3.41e-03	-0.02	0.85
322	12	0.61	-0.03	-2.24e-05	-0.09	0.0	-2.47	0.11	0.16	-1.20e-03	-0.08	0.59
		0.59	-0.08	3.02e-06	0.0	30.0	-2.47	0.01	0.16	-1.20e-03	-0.03	0.61
322	18	0.84	-0.05	-3.70e-05	-0.12	0.0	-3.81	0.13	0.28	-2.77e-03	-0.13	0.82
		0.82	-0.13	4.83e-06	0.0	30.0	-3.81	3.58e-03	0.28	-2.77e-03	-0.05	0.84
322	19	0.63	-0.06	-1.75e-05	-0.09	0.0	-2.15	0.12	0.24	-1.66e-03	-0.13	0.61
		0.61	-0.13	1.87e-06	0.0	30.0	-2.15	0.03	0.24	-1.66e-03	-0.06	0.63
322	28	0.84	0.14	-4.47e-05	-0.12	0.0	-4.63	0.08	-0.16	-3.37e-03	0.14	0.84
		0.84	0.09	6.97e-06	0.0	30.0	-4.63	-0.04	-0.16	-3.37e-03	0.09	0.84
322	45	0.63	0.24	-2.22e-05	-0.09	0.0	-2.82	0.07	-0.37	-2.03e-03	0.24	0.62
		0.62	0.13	3.61e-06	0.0	30.0	-2.82	-0.02	-0.37	-2.03e-03	0.13	0.62
322	67	0.65	-0.01	-2.88e-05	-0.09	0.0	-3.06	0.09	0.14	-2.50e-03	-0.05	0.64
		0.64	-0.05	4.08e-06	0.0	30.0	-3.06	-6.32e-03	0.14	-2.50e-03	-0.01	0.65
322	69	0.61	-0.02	-2.24e-05	-0.09	0.0	-2.52	0.10	0.12	-1.44e-03	-0.05	0.60
		0.60	-0.05	3.18e-06	0.0	30.0	-2.52	5.43e-03	0.12	-1.44e-03	-0.02	0.61
322	72	0.63	-0.03	-1.91e-05	-0.09	0.0	-2.31	0.11	0.17	-1.75e-03	-0.09	0.61
		0.61	-0.09	2.41e-06	0.0	30.0	-2.31	0.02	0.17	-1.75e-03	-0.03	0.63
322	75	0.64	-0.03	-2.68e-05	-0.09	0.0	-2.84	0.10	0.19	-2.07e-03	-0.09	0.62
		0.62	-0.09	3.57e-06	0.0	30.0	-2.84	3.46e-03	0.19	-2.07e-03	-0.03	0.64
322	80	0.65	0.09	-3.20e-05	-0.09	0.0	-3.39	0.07	-0.11	-2.47e-03	0.09	0.64
		0.64	0.06	5.00e-06	0.0	30.0	-3.39	-0.03	-0.11	-2.47e-03	0.06	0.64
322	85	0.63	0.16	-2.22e-05	-0.09	0.0	-2.76	0.08	-0.23	-1.99e-03	0.16	0.62
		0.62	0.09	3.57e-06	0.0	30.0	-2.76	-0.02	-0.23	-1.99e-03	0.09	0.63

322	98	0.64	0.01	-2.69e-05	-0.09	0.0	-2.98	0.08	0.05	-2.35e-03	-4.79e-03	0.63
		0.63	-4.79e-03	4.18e-06	0.0	30.0	-2.98	-0.01	0.05	-2.35e-03	0.01	0.64
322	99	0.62	7.99e-03	-2.11e-05	-0.09	0.0	-2.54	0.09	0.04	-1.78e-03	-3.72e-03	0.61
		0.61	-3.72e-03	3.33e-06	0.0	30.0	-2.54	-2.38e-03	0.04	-1.78e-03	7.99e-03	0.62
322	102	0.63	-5.13e-04	-2.02e-05	-0.09	0.0	-2.48	0.10	0.07	-1.83e-03	-0.02	0.61
		0.61	-0.02	3.07e-06	0.0	30.0	-2.48	1.70e-03	0.07	-1.83e-03	-5.13e-04	0.63
322	103	0.64	1.61e-03	-2.57e-05	-0.09	0.0	-2.87	0.09	0.08	-2.26e-03	-0.02	0.63
		0.63	-0.02	3.88e-06	0.0	30.0	-2.87	-7.25e-03	0.08	-2.26e-03	1.61e-03	0.64
322	104	0.63	0.03	-2.09e-05	-0.09	0.0	-2.57	0.09	-0.02	-1.88e-03	0.03	0.61
		0.61	0.02	3.31e-06	0.0	30.0	-2.57	-4.82e-03	-0.02	-1.88e-03	0.02	0.63
322	106	0.63	7.83e-03	-2.05e-05	-0.09	0.0	-2.52	0.09	0.04	-1.85e-03	-3.64e-03	0.61
		0.61	-3.64e-03	3.24e-06	0.0	30.0	-2.52	-1.75e-03	0.04	-1.85e-03	7.83e-03	0.63
322	107	0.64	9.95e-03	-2.60e-05	-0.09	0.0	-2.91	0.08	0.05	-2.28e-03	-4.62e-03	0.63
		0.63	-4.62e-03	4.04e-06	0.0	30.0	-2.91	-0.01	0.05	-2.28e-03	9.95e-03	0.64
322	112	0.09	0.02	-1.43e-03	-0.09	0.0	-2.41	4.16	8.84e-03	-6.65e-03	0.02	-1.13
		-1.13	-0.04	1.77e-04	0.0	30.0	-2.41	4.07	8.84e-03	-6.65e-03	-0.04	0.09
322	115	2.39	0.06	1.37e-03	-0.09	0.0	-3.42	-3.99	0.09	2.09e-03	-0.02	2.39
		1.19	-0.02	-1.69e-04	0.0	30.0	-3.42	-4.09	0.09	2.09e-03	0.06	1.19
322	128	0.70	-0.04	-2.96e-05	-0.09	0.0	-1.96	-0.13	0.19	-1.10e-03	-0.08	0.70
		0.66	-0.08	3.85e-05	0.0	30.0	-1.96	-0.23	0.19	-1.10e-03	-0.04	0.66
322	131	0.62	0.07	-2.24e-05	-0.09	0.0	-3.86	0.30	-0.09	-3.45e-03	0.07	0.56
		0.56	0.06	-3.04e-05	0.0	30.0	-3.86	0.20	-0.09	-3.45e-03	0.06	0.62
322	133	0.70	0.16	-4.62e-04	-0.09	0.0	-3.54	-0.03	-0.28	-7.21e-03	0.16	0.68
		0.68	0.06	2.26e-05	0.0	30.0	-3.54	-0.13	-0.28	-7.21e-03	0.06	0.70
322	134	0.58	-0.04	4.10e-04	-0.09	0.0	-2.29	0.20	0.38	2.66e-03	-0.17	0.58
		0.58	-0.17	-1.45e-05	0.0	30.0	-2.29	0.10	0.38	2.66e-03	-0.04	0.58
322	144	0.02	0.02	-1.60e-03	-0.09	0.0	-2.35	4.68	3.88e-03	-7.19e-03	0.02	-1.35
		-1.35	-0.04	1.99e-04	0.0	30.0	-2.35	4.59	3.88e-03	-7.19e-03	-0.04	0.02
322	147	2.61	0.06	1.55e-03	-0.09	0.0	-3.48	-4.51	0.09	2.64e-03	-0.03	2.61
		1.26	-0.03	-1.91e-04	0.0	30.0	-3.48	-4.61	0.09	2.64e-03	0.06	1.26
322	160	0.71	-0.04	-3.01e-05	-0.09	0.0	-1.85	-0.16	0.20	-9.51e-04	-0.09	0.71
		0.67	-0.09	4.28e-05	0.0	30.0	-1.85	-0.25	0.20	-9.51e-04	-0.04	0.67
322	163	0.61	0.08	-2.18e-05	-0.09	0.0	-3.98	0.32	-0.11	-3.60e-03	0.08	0.55
		0.55	0.06	-3.47e-05	0.0	30.0	-3.98	0.23	-0.11	-3.60e-03	0.06	0.61
322	165	0.71	0.18	-5.16e-04	-0.09	0.0	-3.62	-0.05	-0.32	-7.83e-03	0.18	0.69
		0.69	0.07	2.47e-05	0.0	30.0	-3.62	-0.15	-0.32	-7.83e-03	0.07	0.71
322	166	0.57	-0.05	4.65e-04	-0.09	0.0	-2.21	0.22	0.42	3.27e-03	-0.19	0.57
		0.57	-0.19	-1.66e-05	0.0	30.0	-2.21	0.13	0.42	3.27e-03	-0.05	0.57
322	176	0.01	0.02	-1.54e-03	-0.09	0.0	-2.35	4.70	9.24e-03	-6.78e-03	0.02	-1.36
		-1.36	-0.04	1.97e-04	0.0	30.0	-2.35	4.61	9.24e-03	-6.78e-03	-0.04	0.01
322	179	2.62	0.06	1.49e-03	-0.09	0.0	-3.48	-4.54	0.09	2.23e-03	-0.02	2.62
		1.27	-0.02	-1.89e-04	0.0	30.0	-3.48	-4.63	0.09	2.23e-03	0.06	1.27
322	192	0.70	-0.04	-3.13e-05	-0.09	0.0	-1.86	-0.13	0.20	-9.85e-04	-0.09	0.70
		0.67	-0.09	4.10e-05	0.0	30.0	-1.86	-0.22	0.20	-9.85e-04	-0.04	0.67
322	195	0.62	0.08	-2.06e-05	-0.09	0.0	-3.97	0.30	-0.10	-3.57e-03	0.08	0.56
		0.56	0.06	-3.29e-05	0.0	30.0	-3.97	0.20	-0.10	-3.57e-03	0.06	0.62
322	197	0.71	0.18	-4.99e-04	-0.09	0.0	-3.60	-0.09	-0.32	-7.58e-03	0.18	0.70
		0.70	0.07	2.15e-05	0.0	30.0	-3.60	-0.18	-0.32	-7.58e-03	0.07	0.71
322	198	0.57	-0.05	4.47e-04	-0.09	0.0	-2.23	0.26	0.41	3.03e-03	-0.19	0.56
		0.56	-0.19	-1.34e-05	0.0	30.0	-2.23	0.16	0.41	3.03e-03	-0.05	0.57
322	216	-0.10	0.02	-3.42e-05	-0.09	0.0	-2.20	5.59	5.81e-03	-6.84e-03	0.02	-1.74
		-1.74	-0.05	2.54e-04	0.0	30.0	-2.20	5.50	5.81e-03	-6.84e-03	-0.05	-0.10
322	219	3.00	0.07	-1.77e-05	-0.09	0.0	-3.63	-5.42	0.09	2.29e-03	-0.03	3.00
		1.38	-0.03	-2.46e-04	0.0	30.0	-3.63	-5.52	0.09	2.29e-03	0.07	1.38
322	224	0.70	-0.05	-3.28e-05	-0.09	0.0	-1.69	-0.14	0.22	-7.91e-04	-0.10	0.70
		0.67	-0.10	4.79e-05	0.0	30.0	-1.69	-0.23	0.22	-7.91e-04	-0.05	0.67
322	227	0.61	0.09	-1.91e-05	-0.09	0.0	-4.14	0.31	-0.13	-3.76e-03	0.09	0.56
		0.56	0.07	-3.98e-05	0.0	30.0	-4.14	0.21	-0.13	-3.76e-03	0.07	0.61
322	229	0.73	0.21	-5.71e-04	-0.09	0.0	-3.71	-0.15	-0.38	-8.38e-03	0.21	0.72
		0.72	0.08	2.25e-05	0.0	30.0	-3.71	-0.24	-0.38	-8.38e-03	0.08	0.72
322	230	0.56	-0.06	5.20e-04	-0.09	0.0	-2.12	0.32	0.47	3.83e-03	-0.22	0.53
		0.53	-0.22	-1.44e-05	0.0	30.0	-2.12	0.22	0.47	3.83e-03	-0.06	0.56
323	3	0.87	-0.02	-3.37e-05	-0.12	0.0	-2.26	0.13	-0.21	-3.41e-03	-0.02	0.85
		0.85	-0.09	7.20e-06	0.0	30.0	-2.26	5.21e-03	-0.21	-3.41e-03	-0.09	0.87
323	18	0.86	-0.05	-3.10e-05	-0.12	0.0	-2.17	0.15	-0.31	-2.77e-03	-0.05	0.84
		0.84	-0.14	6.30e-06	0.0	30.0	-2.17	0.03	-0.31	-2.77e-03	-0.14	0.86
323	19	0.66	-0.06	-1.30e-05	-0.09	0.0	-1.49	0.14	-0.28	-1.66e-03	-0.06	0.63
		0.63	-0.14	2.58e-06	0.0	30.0	-1.49	0.05	-0.28	-1.66e-03	-0.14	0.66
323	28	0.85	0.16	-3.85e-05	-0.12	0.0	-2.30	0.09	0.23	-3.37e-03	0.09	0.84
		0.84	0.09	8.73e-06	0.0	30.0	-2.30	-0.03	0.23	-3.37e-03	0.16	0.85
323	45	0.63	0.27	-1.76e-05	-0.09	0.0	-1.54	0.07	0.46	-2.03e-03	0.13	0.62
		0.62	0.13	4.49e-06	0.0	30.0	-1.54	-0.02	0.46	-2.03e-03	0.27	0.63
323	60	0.62	8.69e-03	-1.93e-05	-0.09	0.0	-1.54	0.11	-0.03	-1.30e-03	8.69e-03	0.60
		0.60	-1.74e-03	4.66e-06	0.0	30.0	-1.54	0.02	-0.03	-1.30e-03	-1.74e-03	0.62
323	67	0.67	-0.01	-2.40e-05	-0.09	0.0	-1.70	0.10	-0.14	-2.50e-03	-0.01	0.65

		0.65	-0.06	5.23e-06	0.0	30.0	-1.70	6.44e-03	-0.14	-2.50e-03	-0.06	0.67
323	72	0.65	-0.03	-1.46e-05	-0.09	0.0	-1.51	0.13	-0.20	-1.75e-03	-0.03	0.63
		0.63	-0.09	3.18e-06	0.0	30.0	-1.51	0.03	-0.20	-1.75e-03	-0.09	0.65
323	75	0.66	-0.03	-2.22e-05	-0.09	0.0	-1.64	0.12	-0.21	-2.07e-03	-0.03	0.64
		0.64	-0.09	4.63e-06	0.0	30.0	-1.64	0.02	-0.21	-2.07e-03	-0.09	0.66
323	80	0.65	0.11	-2.72e-05	-0.09	0.0	-1.73	0.08	0.15	-2.47e-03	0.06	0.64
		0.64	0.06	6.25e-06	0.0	30.0	-1.73	-0.02	0.15	-2.47e-03	0.11	0.65
323	85	0.64	0.18	-1.76e-05	-0.09	0.0	-1.55	0.08	0.30	-1.99e-03	0.09	0.63
		0.63	0.09	4.45e-06	0.0	30.0	-1.55	-0.01	0.30	-1.99e-03	0.18	0.64
323	93	0.63	8.63e-03	-1.88e-05	-0.09	0.0	-1.55	0.11	-0.03	-1.51e-03	8.63e-03	0.61
		0.61	-1.74e-03	4.56e-06	0.0	30.0	-1.55	0.02	-0.03	-1.51e-03	-1.74e-03	0.63
323	98	0.66	0.01	-2.22e-05	-0.09	0.0	-1.66	0.09	-0.04	-2.35e-03	0.01	0.64
		0.64	-2.15e-03	5.24e-06	0.0	30.0	-1.66	-6.50e-04	-0.04	-2.35e-03	-2.15e-03	0.66
323	99	0.64	7.99e-03	-1.65e-05	-0.09	0.0	-1.54	0.11	-0.03	-1.78e-03	7.99e-03	0.62
		0.62	-1.64e-03	4.15e-06	0.0	30.0	-1.54	0.01	-0.03	-1.78e-03	-1.64e-03	0.64
323	102	0.64	-5.13e-04	-1.57e-05	-0.09	0.0	-1.53	0.11	-0.06	-1.83e-03	-5.13e-04	0.63
		0.63	-0.02	3.87e-06	0.0	30.0	-1.53	0.02	-0.06	-1.83e-03	-0.02	0.64
323	103	0.66	1.61e-03	-2.10e-05	-0.09	0.0	-1.64	0.10	-0.07	-2.26e-03	1.61e-03	0.64
		0.64	-0.02	4.89e-06	0.0	30.0	-1.64	5.46e-03	-0.07	-2.26e-03	-0.02	0.66
323	104	0.64	0.03	-1.63e-05	-0.09	0.0	-1.54	0.10	0.03	-1.88e-03	0.03	0.63
		0.63	0.02	4.13e-06	0.0	30.0	-1.54	7.70e-03	0.03	-1.88e-03	0.03	0.64
323	106	0.64	7.83e-03	-1.60e-05	-0.09	0.0	-1.53	0.11	-0.03	-1.85e-03	7.83e-03	0.63
		0.63	-1.61e-03	4.04e-06	0.0	30.0	-1.53	0.01	-0.03	-1.85e-03	-1.61e-03	0.64
323	107	0.66	9.95e-03	-2.13e-05	-0.09	0.0	-1.64	0.10	-0.04	-2.28e-03	9.95e-03	0.64
		0.64	-2.08e-03	5.07e-06	0.0	30.0	-1.64	1.22e-03	-0.04	-2.28e-03	-2.08e-03	0.66
323	108	1.53	-0.03	-3.34e-05	-0.09	0.0	-2.78	3.88	-0.02	-6.85e-03	-0.03	0.20
		0.20	-0.08	1.64e-04	0.0	30.0	-2.78	3.79	-0.02	-6.85e-03	-0.08	1.53
323	111	1.08	0.08	-9.18e-06	-0.09	0.0	-0.50	-3.69	-0.06	2.29e-03	0.08	1.08
		-0.22	0.05	-1.54e-04	0.0	30.0	-0.50	-3.78	-0.06	2.29e-03	0.08	-0.22
323	117	1.31	-2.94e-03	-3.33e-05	-0.09	0.0	-3.22	4.52	0.10	-8.03e-03	-2.94e-03	0.13
		0.13	-0.02	1.83e-04	0.0	30.0	-3.22	4.43	0.10	-8.03e-03	-0.02	1.31
323	118	1.15	0.02	-9.33e-06	-0.09	0.0	-0.07	-4.33	-0.18	3.47e-03	0.02	1.15
		1.53e-03	0.02	-1.72e-04	0.0	30.0	-0.07	-4.43	-0.18	3.47e-03	0.02	1.53e-03
323	132	1.20	-0.06	-9.49e-06	-0.09	0.0	-2.52	2.75	-0.30	-5.62e-04	-0.06	0.29
		0.29	-0.16	8.54e-05	0.0	30.0	-2.52	2.66	-0.30	-5.62e-04	-0.16	1.20
323	135	1.00	0.16	-3.31e-05	-0.09	0.0	-0.76	-2.56	0.22	-3.99e-03	0.16	1.00
		0.11	0.08	-7.53e-05	0.0	30.0	-0.76	-2.65	0.22	-3.99e-03	0.16	0.11
323	144	1.64	-0.04	-2.91e-05	-0.09	0.0	-3.26	5.32	-0.04	-7.19e-03	-0.04	0.02
		0.02	-0.11	2.01e-04	0.0	30.0	-3.26	5.22	-0.04	-7.19e-03	-0.11	1.64
323	147	1.26	0.10	-1.34e-05	-0.09	0.0	-0.02	-5.13	-0.04	2.64e-03	0.10	1.26
		-0.33	0.06	-1.90e-04	0.0	30.0	-0.02	-5.22	-0.04	2.64e-03	0.10	-0.33
323	149	1.39	-4.52e-03	-3.52e-05	-0.09	0.0	-3.42	5.11	0.12	-8.71e-03	-4.52e-03	0.06
		0.06	-0.02	2.05e-04	0.0	30.0	-3.42	5.01	0.12	-8.71e-03	-0.02	1.39
323	150	1.22	0.02	-7.40e-06	-0.09	0.0	0.14	-4.92	-0.20	4.15e-03	0.02	1.22
		-0.08	0.02	-1.95e-04	0.0	30.0	0.14	-5.01	-0.20	4.15e-03	0.02	-0.08
323	164	1.27	-0.07	-8.09e-06	-0.09	0.0	-2.64	3.09	-0.33	-3.49e-04	-0.07	0.24
		0.24	-0.18	9.58e-05	0.0	30.0	-2.64	3.00	-0.33	-3.49e-04	-0.18	1.27
323	167	1.04	0.18	-3.45e-05	-0.09	0.0	-0.65	-2.90	0.25	-4.20e-03	0.18	1.04
		0.04	0.09	-8.57e-05	0.0	30.0	-0.65	-3.00	0.25	-4.20e-03	0.18	0.04
323	176	1.64	-0.04	-3.17e-05	-0.09	0.0	-3.26	5.35	-0.05	-6.78e-03	-0.04	0.01
		0.01	-0.11	1.98e-04	0.0	30.0	-3.26	5.25	-0.05	-6.78e-03	-0.11	1.64
323	179	1.27	0.10	-1.08e-05	-0.09	0.0	-0.02	-5.16	-0.03	2.23e-03	0.10	1.27
		-0.33	0.06	-1.88e-04	0.0	30.0	-0.02	-5.25	-0.03	2.23e-03	0.10	-0.33
323	181	1.42	-3.91e-03	-3.89e-05	-0.09	0.0	-3.48	5.28	0.12	-8.20e-03	-3.91e-03	0.04
		0.04	-0.02	2.09e-04	0.0	30.0	-3.48	5.18	0.12	-8.20e-03	-0.02	1.42
323	182	1.24	0.02	-3.70e-06	-0.09	0.0	0.20	-5.09	-0.20	3.64e-03	0.02	1.24
		-0.11	0.02	-1.99e-04	0.0	30.0	0.20	-5.18	-0.20	3.64e-03	0.02	-0.11
323	196	1.27	-0.07	-9.31e-06	-0.09	0.0	-2.64	3.14	-0.33	-3.25e-04	-0.07	0.24
		0.24	-0.18	9.71e-05	0.0	30.0	-2.64	3.05	-0.33	-3.25e-04	-0.18	1.27
323	199	1.04	0.18	-3.33e-05	-0.09	0.0	-0.64	-2.95	0.25	-4.23e-03	0.18	1.04
		0.04	0.09	-8.70e-05	0.0	30.0	-0.64	-3.05	0.25	-4.23e-03	0.18	0.04
323	213	1.59	-6.63e-03	-4.41e-05	-0.09	0.0	-3.86	6.36	0.14	-9.08e-03	-6.63e-03	-0.09
		-0.09	-0.02	2.50e-04	0.0	30.0	-3.86	6.26	0.14	-9.08e-03	-0.02	1.59
323	214	1.37	0.03	1.54e-06	-0.09	0.0	0.58	-6.17	-0.22	4.52e-03	0.03	1.37
		-0.28	0.02	-2.39e-04	0.0	30.0	0.58	-6.26	-0.22	4.52e-03	0.02	-0.28
323	216	1.83	-0.05	-3.93e-05	-0.09	0.0	-3.86	6.35	-0.05	-6.84e-03	-0.05	-0.10
		-0.10	-0.12	2.55e-04	0.0	30.0	-3.86	6.26	-0.05	-6.84e-03	-0.12	1.83
323	219	1.38	0.12	-3.25e-06	-0.09	0.0	0.58	-6.16	-0.03	2.29e-03	0.12	1.38
		-0.52	0.07	-2.45e-04	0.0	30.0	0.58	-6.26	-0.03	2.29e-03	0.12	-0.52
323	228	1.39	-0.08	-8.14e-06	-0.09	0.0	-2.83	3.72	-0.37	3.72e-05	-0.08	0.17
		0.17	-0.21	1.14e-04	0.0	30.0	-2.83	3.62	-0.37	3.72e-05	-0.21	1.39
323	231	1.11	0.21	-3.44e-05	-0.09	0.0	-0.45	-3.53	0.29	-4.59e-03	0.21	1.11
		-0.08	0.10	-1.04e-04	0.0	30.0	-0.45	-3.62	0.29	-4.59e-03	0.21	-0.08
324	3	0.88	0.05	-4.51e-05	-0.24	0.0	-3.42	0.02	0.23	-3.41e-03	-0.09	0.87
		0.81	-0.09	0.0	0.0	60.0	-3.42	-0.22	0.23	-3.41e-03	0.05	0.81

324	36	0.62	0.16	-2.63e-05	-0.19	0.0	-2.28	0.05	-0.46	-1.42e-03	0.16	0.62
		0.59	-0.12	3.53e-05	0.0	60.0	-2.28	-0.14	-0.46	-1.42e-03	-0.12	0.59
324	44	0.84	0.27	-5.06e-05	-0.24	0.0	-3.28	0.04	-0.77	-3.13e-03	0.27	0.84
		0.79	-0.19	5.85e-05	0.0	60.0	-3.28	-0.20	-0.77	-3.13e-03	-0.19	0.79
324	45	0.63	0.27	-1.96e-05	-0.19	0.0	-2.22	0.04	-0.77	-2.03e-03	0.27	0.63
		0.60	-0.19	5.17e-05	0.0	60.0	-2.22	-0.15	-0.77	-2.03e-03	-0.19	0.60
324	52	0.86	-2.99e-03	-5.26e-05	-0.24	0.0	-3.46	0.03	7.34e-04	-3.24e-03	-3.43e-03	0.86
		0.80	-3.43e-03	1.54e-05	0.0	60.0	-3.46	-0.21	7.34e-04	-3.24e-03	-2.99e-03	0.80
324	67	0.67	0.04	-3.09e-05	-0.19	0.0	-2.57	0.02	0.16	-2.50e-03	-0.06	0.67
		0.62	-0.06	0.0	0.0	60.0	-2.57	-0.17	0.16	-2.50e-03	0.04	0.62
324	81	0.63	0.11	-2.39e-05	-0.19	0.0	-2.30	0.04	-0.31	-1.59e-03	0.11	0.63
		0.59	-0.08	2.62e-05	0.0	60.0	-2.30	-0.15	-0.31	-1.59e-03	-0.08	0.59
324	85	0.64	0.18	-1.95e-05	-0.19	0.0	-2.26	0.03	-0.52	-1.99e-03	0.18	0.64
		0.60	-0.13	3.71e-05	0.0	60.0	-2.26	-0.16	-0.52	-1.99e-03	-0.13	0.60
324	88	0.65	0.18	-3.47e-05	-0.19	0.0	-2.48	0.03	-0.52	-2.31e-03	0.18	0.64
		0.61	-0.13	3.98e-05	0.0	60.0	-2.48	-0.16	-0.52	-2.31e-03	-0.13	0.61
324	92	0.66	-2.15e-03	-3.60e-05	-0.19	0.0	-2.59	0.03	5.09e-04	-2.38e-03	-2.45e-03	0.66
		0.62	-2.45e-03	1.11e-05	0.0	60.0	-2.59	-0.16	5.09e-04	-2.38e-03	-2.15e-03	0.62
324	98	0.66	-1.90e-03	-2.78e-05	-0.19	0.0	-2.49	0.02	4.26e-04	-2.35e-03	-2.15e-03	0.66
		0.61	-2.15e-03	9.65e-06	0.0	60.0	-2.49	-0.16	4.26e-04	-2.35e-03	-1.90e-03	0.61
324	99	0.64	-1.48e-03	-1.67e-05	-0.19	0.0	-2.29	0.03	2.58e-04	-1.78e-03	-1.64e-03	0.64
		0.60	-1.64e-03	7.66e-06	0.0	60.0	-2.29	-0.16	2.58e-04	-1.78e-03	-1.48e-03	0.60
324	104	0.64	0.03	-1.63e-05	-0.19	0.0	-2.28	0.03	-0.10	-1.88e-03	0.03	0.64
		0.60	-0.03	1.34e-05	0.0	60.0	-2.28	-0.16	-0.10	-1.88e-03	-0.03	0.60
324	105	0.65	0.03	-2.68e-05	-0.19	0.0	-2.46	0.02	-0.10	-2.30e-03	0.03	0.65
		0.61	-0.03	1.53e-05	0.0	60.0	-2.46	-0.16	-0.10	-2.30e-03	-0.03	0.61
324	106	0.64	-1.46e-03	-1.56e-05	-0.19	0.0	-2.29	0.03	2.54e-04	-1.85e-03	-1.61e-03	0.64
		0.60	-1.61e-03	7.46e-06	0.0	60.0	-2.29	-0.16	2.54e-04	-1.85e-03	-1.46e-03	0.60
324	107	0.66	-1.83e-03	-2.60e-05	-0.19	0.0	-2.46	0.02	4.02e-04	-2.28e-03	-2.08e-03	0.66
		0.61	-2.08e-03	9.34e-06	0.0	60.0	-2.46	-0.16	4.02e-04	-2.28e-03	-1.83e-03	0.61
324	108	1.53	-0.01	2.67e-05	-0.19	0.0	-4.91	-0.36	-0.05	-6.85e-03	-0.08	1.53
		1.26	-0.08	3.14e-04	0.0	60.0	-4.91	-0.55	-0.05	-6.85e-03	-0.01	1.26
324	111	-0.03	0.08	-7.87e-05	-0.19	0.0	-0.01	0.41	0.05	2.29e-03	0.08	-0.22
		-0.22	0.01	-2.95e-04	0.0	60.0	-0.01	0.22	0.05	2.29e-03	0.01	-0.03
324	112	1.53	-6.59e-03	3.54e-05	-0.19	0.0	-5.44	-0.37	-0.02	-6.65e-03	-0.10	1.53
		1.26	-0.10	3.41e-04	0.0	60.0	-5.44	-0.55	-0.02	-6.65e-03	-6.59e-03	1.26
324	115	-0.03	0.09	-8.74e-05	-0.19	0.0	0.52	0.41	0.02	2.09e-03	0.09	-0.22
		-0.22	2.92e-03	-3.23e-04	0.0	60.0	0.52	0.23	0.02	2.09e-03	2.92e-03	-0.03
324	132	1.20	0.07	2.93e-05	-0.19	0.0	-4.23	-0.23	0.34	-5.62e-04	-0.16	1.20
		1.01	-0.16	1.44e-04	0.0	60.0	-4.23	-0.42	0.34	-5.62e-04	0.07	1.01
324	135	0.22	0.16	-8.14e-05	-0.19	0.0	-0.70	0.28	-0.34	-3.99e-03	0.16	0.11
		0.11	-0.08	-1.25e-04	0.0	60.0	-0.70	0.09	-0.34	-3.99e-03	-0.08	0.11
324	144	1.64	-7.19e-03	4.31e-05	-0.19	0.0	-5.82	-0.42	-0.02	-7.19e-03	-0.11	1.64
		1.34	-0.11	3.83e-04	0.0	60.0	-5.82	-0.60	-0.02	-7.19e-03	-7.19e-03	1.34
324	147	-0.11	0.10	-9.52e-05	-0.19	0.0	0.89	0.46	0.02	2.64e-03	0.10	-0.33
		-0.33	3.52e-03	-3.65e-04	0.0	60.0	0.89	0.27	0.02	2.64e-03	3.52e-03	-0.11
324	164	1.27	0.08	3.63e-05	-0.19	0.0	-4.45	-0.26	0.39	-3.49e-04	-0.18	1.27
		1.06	-0.18	1.61e-04	0.0	60.0	-4.45	-0.45	0.39	-3.49e-04	0.08	1.06
324	167	0.17	0.18	-8.84e-05	-0.19	0.0	-0.47	0.31	-0.38	-4.20e-03	0.18	0.04
		0.04	-0.09	-1.42e-04	0.0	60.0	-0.47	0.12	-0.38	-4.20e-03	-0.09	0.17
324	176	1.64	-6.26e-03	4.05e-05	-0.19	0.0	-5.83	-0.42	-0.02	-6.78e-03	-0.11	1.64
		1.34	-0.11	3.79e-04	0.0	60.0	-5.83	-0.60	-0.02	-6.78e-03	-6.26e-03	1.34
324	179	-0.11	0.10	-9.25e-05	-0.19	0.0	0.90	0.46	0.02	2.23e-03	0.10	-0.33
		-0.33	2.59e-03	-3.60e-04	0.0	60.0	0.90	0.27	0.02	2.23e-03	2.59e-03	-0.11
324	196	1.27	0.08	3.57e-05	-0.19	0.0	-4.47	-0.26	0.38	-3.25e-04	-0.18	1.27
		1.06	-0.18	1.64e-04	0.0	60.0	-4.47	-0.45	0.38	-3.25e-04	0.08	1.06
324	199	0.17	0.18	-8.77e-05	-0.19	0.0	-0.46	0.31	-0.38	-4.23e-03	0.18	0.04
		0.04	-0.09	-1.45e-04	0.0	60.0	-0.46	0.12	-0.38	-4.23e-03	-0.09	0.17
324	208	1.82	-6.64e-03	5.06e-05	-0.19	0.0	-6.43	-0.49	-0.02	-7.33e-03	-0.12	1.82
		1.47	-0.12	4.42e-04	0.0	60.0	-6.43	-0.68	-0.02	-7.33e-03	-6.64e-03	1.47
324	211	-0.24	0.12	-1.03e-04	-0.19	0.0	1.50	0.54	0.02	2.78e-03	0.12	-0.51
		-0.51	2.97e-03	-4.23e-04	0.0	60.0	1.50	0.35	0.02	2.78e-03	2.97e-03	-0.24
324	216	1.83	-5.46e-03	5.62e-05	-0.19	0.0	-6.37	-0.50	0.31	-6.84e-03	-0.12	1.83
		1.48	-0.12	4.91e-04	0.0	60.0	-6.37	-0.69	0.31	-6.84e-03	-5.46e-03	1.48
324	219	-0.25	0.12	-1.08e-04	-0.19	0.0	1.44	0.55	-0.31	2.29e-03	0.12	-0.52
		-0.52	1.79e-03	-4.73e-04	0.0	60.0	1.44	0.36	-0.31	2.29e-03	1.79e-03	-0.25
324	228	1.39	0.10	4.59e-05	-0.19	0.0	-4.84	-0.32	0.44	3.73e-05	-0.21	1.39
		1.15	-0.21	1.94e-04	0.0	60.0	-4.84	-0.51	0.44	3.73e-05	0.10	1.15
324	231	0.08	0.21	-9.79e-05	-0.19	0.0	-0.09	0.37	-0.44	-4.59e-03	0.21	-0.08
		-0.08	-0.10	-1.75e-04	0.0	60.0	-0.09	0.18	-0.44	-4.59e-03	-0.10	0.08
325	12	0.31	-0.01	4.17e-05	-0.19	0.0	-0.90	-0.26	0.07	-1.20e-03	-0.06	0.31
		0.10	-0.06	5.47e-06	0.0	60.0	-0.90	-0.45	0.07	-1.20e-03	-0.01	0.10
325	18	0.43	-0.02	4.26e-05	-0.24	0.0	-1.56	-0.31	0.11	-2.77e-03	-0.09	0.43
		0.17	-0.09	8.64e-06	0.0	60.0	-1.56	-0.56	0.11	-2.77e-03	-0.02	0.17
325	19	0.34	-0.01	5.35e-05	-0.19	0.0	-0.53	-0.20	0.13	-1.66e-03	-0.09	0.34

		0.16	-0.09	3.34e-06	0.0	60.0	-0.53	-0.39	0.13	-1.66e-03	-0.01	0.16
325	27	0.46	0.10	3.20e-05	-0.24	0.0	-2.13	-0.29	-0.20	-3.63e-03	0.10	0.46
		0.21	-0.03	1.16e-05	0.0	60.0	-2.13	-0.54	-0.20	-3.63e-03	-0.03	0.21
325	28	0.45	0.10	2.71e-05	-0.24	0.0	-2.26	-0.32	-0.21	-3.37e-03	0.10	0.45
		0.18	-0.03	1.22e-05	0.0	60.0	-2.26	-0.57	-0.21	-3.37e-03	-0.03	0.18
325	45	0.35	0.17	4.29e-05	-0.19	0.0	-1.10	-0.21	-0.30	-2.03e-03	0.17	0.35
		0.17	-0.01	6.06e-06	0.0	60.0	-1.10	-0.40	-0.30	-2.03e-03	-0.01	0.17
325	69	0.32	-0.01	4.22e-05	-0.19	0.0	-0.92	-0.25	0.04	-1.44e-03	-0.04	0.32
		0.12	-0.04	5.71e-06	0.0	60.0	-0.92	-0.43	0.04	-1.44e-03	-0.01	0.12
325	72	0.34	-0.01	5.01e-05	-0.19	0.0	-0.68	-0.21	0.08	-1.75e-03	-0.06	0.34
		0.16	-0.06	4.29e-06	0.0	60.0	-0.68	-0.39	0.08	-1.75e-03	-0.01	0.16
325	75	0.34	-0.02	3.57e-05	-0.19	0.0	-1.12	-0.23	0.07	-2.07e-03	-0.06	0.34
		0.14	-0.06	6.38e-06	0.0	60.0	-1.12	-0.42	0.07	-2.07e-03	-0.02	0.14
325	79	0.36	0.06	2.87e-05	-0.19	0.0	-1.50	-0.22	-0.14	-2.64e-03	0.06	0.36
		0.17	-0.02	8.35e-06	0.0	60.0	-1.50	-0.41	-0.14	-2.64e-03	-0.02	0.17
325	80	0.34	0.06	2.54e-05	-0.19	0.0	-1.59	-0.24	-0.14	-2.47e-03	0.06	0.34
		0.14	-0.02	8.77e-06	0.0	60.0	-1.59	-0.43	-0.14	-2.47e-03	-0.02	0.14
325	85	0.35	0.11	4.31e-05	-0.19	0.0	-1.06	-0.21	-0.21	-1.99e-03	0.11	0.35
		0.16	-0.01	6.11e-06	0.0	60.0	-1.06	-0.40	-0.21	-1.99e-03	-0.01	0.16
325	98	0.35	-4.28e-03	3.57e-05	-0.19	0.0	-1.23	-0.22	-0.02	-2.35e-03	-4.28e-03	0.35
		0.16	-0.02	7.43e-06	0.0	60.0	-1.23	-0.40	-0.02	-2.35e-03	-0.02	0.16
325	99	0.34	-3.26e-03	4.54e-05	-0.19	0.0	-0.90	-0.22	-0.02	-1.78e-03	-3.26e-03	0.34
		0.15	-0.01	5.92e-06	0.0	60.0	-0.90	-0.40	-0.02	-1.78e-03	-0.01	0.15
325	102	0.34	-0.01	4.74e-05	-0.19	0.0	-0.83	-0.21	1.93e-03	-1.83e-03	-0.01	0.34
		0.16	-0.01	5.46e-06	0.0	60.0	-0.83	-0.40	1.93e-03	-1.83e-03	-0.01	0.16
325	104	0.34	0.02	4.60e-05	-0.19	0.0	-0.91	-0.21	-0.06	-1.88e-03	0.02	0.34
		0.16	-0.01	5.83e-06	0.0	60.0	-0.91	-0.40	-0.06	-1.88e-03	-0.01	0.16
325	106	0.34	-3.21e-03	4.68e-05	-0.19	0.0	-0.87	-0.21	-0.02	-1.85e-03	-3.21e-03	0.34
		0.16	-0.01	5.76e-06	0.0	60.0	-0.87	-0.40	-0.02	-1.85e-03	-0.01	0.16
325	107	0.35	-4.13e-03	3.72e-05	-0.19	0.0	-1.18	-0.21	-0.02	-2.28e-03	-4.13e-03	0.35
		0.16	-0.02	7.19e-06	0.0	60.0	-1.18	-0.40	-0.02	-2.28e-03	-0.02	0.16
325	112	0.31	-9.34e-04	1.20e-04	-0.19	0.0	0.22	-0.35	-0.03	-6.65e-03	-9.34e-04	0.31
		0.03	-0.03	3.51e-04	0.0	60.0	0.22	-0.54	-0.03	-6.65e-03	-0.03	0.03
325	115	0.39	-7.32e-03	-4.52e-05	-0.19	0.0	-2.58	-0.08	-0.01	2.09e-03	-7.32e-03	0.39
		0.30	-8.22e-03	-3.37e-04	0.0	60.0	-2.58	-0.27	-0.01	2.09e-03	-8.22e-03	0.30
325	132	0.31	-0.03	1.03e-04	-0.19	0.0	0.66	-0.21	0.12	-5.62e-04	-0.10	0.31
		0.08	-0.10	1.59e-04	0.0	60.0	0.66	-0.40	0.12	-5.62e-04	-0.03	0.08
325	133	0.37	0.12	1.23e-05	-0.19	0.0	-2.47	-0.31	-0.20	-7.21e-03	0.12	0.37
		0.17	-3.45e-03	5.20e-05	0.0	60.0	-2.47	-0.50	-0.20	-7.21e-03	-3.45e-03	0.17
325	134	0.33	-0.03	6.22e-05	-0.19	0.0	0.10	-0.12	0.16	2.66e-03	-0.13	0.33
		0.15	-0.13	-3.76e-05	0.0	60.0	0.10	-0.30	0.16	2.66e-03	-0.03	0.15
325	135	0.39	0.10	-2.90e-05	-0.19	0.0	-3.03	-0.22	-0.17	-3.99e-03	0.10	0.39
		0.25	-9.64e-04	-1.45e-04	0.0	60.0	-3.03	-0.41	-0.17	-3.99e-03	-9.64e-04	0.25
325	144	0.30	-5.21e-04	1.30e-04	-0.19	0.0	0.40	-0.37	-0.03	-7.19e-03	-5.21e-04	0.30
		0.01	-0.03	3.95e-04	0.0	60.0	0.40	-0.56	-0.03	-7.19e-03	-0.03	0.01
325	147	0.40	-7.16e-03	-5.56e-05	-0.19	0.0	-2.76	-0.06	-0.01	2.64e-03	-7.73e-03	0.40
		0.31	-7.73e-03	-3.80e-04	0.0	60.0	-2.76	-0.25	-0.01	2.64e-03	-7.16e-03	0.31
325	164	0.30	-0.03	1.12e-04	-0.19	0.0	0.90	-0.21	0.14	-3.49e-04	-0.12	0.30
		0.07	-0.12	1.79e-04	0.0	60.0	0.90	-0.39	0.14	-3.49e-04	-0.03	0.07
325	165	0.37	0.13	9.05e-06	-0.19	0.0	-2.63	-0.33	-0.22	-7.83e-03	0.13	0.37
		0.18	-1.79e-03	5.71e-05	0.0	60.0	-2.63	-0.51	-0.22	-7.83e-03	-1.79e-03	0.18
325	166	0.32	-0.03	6.54e-05	-0.19	0.0	0.27	-0.10	0.18	3.27e-03	-0.14	0.32
		0.15	-0.14	-4.27e-05	0.0	60.0	0.27	-0.29	0.18	3.27e-03	-0.03	0.15
325	167	0.40	0.11	-3.74e-05	-0.19	0.0	-3.26	-0.22	-0.18	-4.20e-03	0.11	0.40
		0.26	1.01e-03	-1.64e-04	0.0	60.0	-3.26	-0.41	-0.18	-4.20e-03	1.01e-03	0.26
325	176	0.30	-1.56e-03	1.28e-04	-0.19	0.0	0.39	-0.37	-0.03	-6.78e-03	-1.56e-03	0.30
		0.01	-0.03	3.90e-04	0.0	60.0	0.39	-0.56	-0.03	-6.78e-03	-0.03	0.01
325	179	0.39	-6.69e-03	-5.35e-05	-0.19	0.0	-2.75	-0.06	-0.02	2.23e-03	-6.69e-03	0.39
		0.31	-7.27e-03	-3.76e-04	0.0	60.0	-2.75	-0.25	-0.02	2.23e-03	-7.27e-03	0.31
325	196	0.30	-0.03	1.12e-04	-0.19	0.0	0.88	-0.21	0.14	-3.25e-04	-0.12	0.30
		0.07	-0.12	1.82e-04	0.0	60.0	0.88	-0.39	0.14	-3.25e-04	-0.03	0.07
325	197	0.37	0.13	8.04e-06	-0.19	0.0	-2.61	-0.33	-0.22	-7.58e-03	0.13	0.37
		0.18	-1.96e-03	5.04e-05	0.0	60.0	-2.61	-0.51	-0.22	-7.58e-03	-1.96e-03	0.18
325	198	0.33	-0.03	6.65e-05	-0.19	0.0	0.25	-0.10	0.18	3.03e-03	-0.14	0.33
		0.15	-0.14	-3.60e-05	0.0	60.0	0.25	-0.29	0.18	3.03e-03	-0.03	0.15
325	199	0.39	0.11	-3.71e-05	-0.19	0.0	-3.24	-0.22	-0.18	-4.23e-03	0.11	0.39
		0.26	8.08e-04	-1.67e-04	0.0	60.0	-3.24	-0.41	-0.18	-4.23e-03	8.08e-04	0.26
325	208	0.29	-1.53e-03	1.43e-04	-0.19	0.0	0.66	-0.39	-0.03	-7.33e-03	-1.53e-03	0.29
		-0.02	-0.03	4.55e-04	0.0	60.0	0.66	-0.58	-0.03	-7.33e-03	-0.03	-0.02
325	211	0.40	-5.68e-03	-6.82e-05	-0.19	0.0	-3.02	-0.04	-0.02	2.78e-03	-6.72e-03	0.40
		0.34	-6.72e-03	-4.40e-04	0.0	60.0	-3.02	-0.22	-0.02	2.78e-03	-5.68e-03	0.34
325	228	0.30	-0.04	1.24e-04	-0.19	0.0	1.22	-0.20	0.17	3.72e-05	-0.13	0.30
		0.05	-0.13	2.15e-04	0.0	60.0	1.22	-0.39	0.17	3.72e-05	-0.04	0.05
325	229	0.37	0.15	2.47e-06	-0.19	0.0	-2.85	-0.35	-0.25	-8.38e-03	0.15	0.37
		0.18	4.76e-04	5.39e-05	0.0	60.0	-2.85	-0.54	-0.25	-8.38e-03	4.76e-04	0.18

325	230	0.32	-0.03	7.20e-05	-0.19	0.0	0.48	-0.08	0.21	3.83e-03	-0.16	0.32
		0.15	-0.16	-3.95e-05	0.0	60.0	0.48	-0.27	0.21	3.83e-03	-0.03	0.15
325	231	0.40	0.13	-4.98e-05	-0.19	0.0	-3.58	-0.23	-0.21	-4.59e-03	0.13	0.40
		0.27	3.72e-03	-2.00e-04	0.0	60.0	-3.58	-0.41	-0.21	-4.59e-03	3.72e-03	0.27
326	17	0.21	0.05	5.32e-05	-0.24	0.0	-0.33	-0.22	0.12	-3.03e-03	-0.02	0.21
		0.0	-0.02	3.61e-06	0.0	60.0	-0.33	-0.47	0.12	-3.03e-03	0.05	0.0
326	19	0.16	0.03	5.82e-05	-0.19	0.0	0.39	-0.18	0.08	-1.66e-03	-0.01	0.16
		0.0	-0.01	0.0	0.0	60.0	0.39	-0.36	0.08	-1.66e-03	0.03	0.0
326	27	0.21	0.04	3.79e-05	-0.24	0.0	-1.16	-0.23	0.11	-3.63e-03	-0.03	0.21
		0.0	-0.03	7.16e-06	0.0	60.0	-1.16	-0.48	0.11	-3.63e-03	0.04	0.0
326	28	0.18	0.04	3.08e-05	-0.24	0.0	-1.33	-0.18	0.11	-3.37e-03	-0.03	0.18
		0.0	-0.03	7.65e-06	0.0	60.0	-1.33	-0.42	0.11	-3.37e-03	0.04	0.0
326	45	0.17	0.02	4.79e-05	-0.19	0.0	-0.34	-0.19	0.06	-2.03e-03	-0.01	0.17
		0.0	-0.01	4.09e-06	0.0	60.0	-0.34	-0.37	0.06	-2.03e-03	0.02	0.0
326	72	0.16	0.03	5.46e-05	-0.19	0.0	0.21	-0.17	0.07	-1.75e-03	-0.01	0.16
		0.0	-0.01	1.76e-06	0.0	60.0	0.21	-0.36	0.07	-1.75e-03	0.03	0.0
326	74	0.16	0.04	4.36e-05	-0.19	0.0	-0.18	-0.18	0.09	-2.24e-03	-0.02	0.16
		0.0	-0.02	2.76e-06	0.0	60.0	-0.18	-0.36	0.09	-2.24e-03	0.04	0.0
326	79	0.17	0.03	3.34e-05	-0.19	0.0	-0.74	-0.18	0.08	-2.64e-03	-0.02	0.17
		0.0	-0.02	5.13e-06	0.0	60.0	-0.74	-0.37	0.08	-2.64e-03	0.03	0.0
326	80	0.14	0.03	2.86e-05	-0.19	0.0	-0.85	-0.15	0.08	-2.47e-03	-0.02	0.14
		0.0	-0.02	5.46e-06	0.0	60.0	-0.85	-0.33	0.08	-2.47e-03	0.03	0.0
326	85	0.16	0.02	4.77e-05	-0.19	0.0	-0.28	-0.18	0.06	-1.99e-03	-0.01	0.16
		0.0	-0.01	3.93e-06	0.0	60.0	-0.28	-0.37	0.06	-1.99e-03	0.02	0.0
326	98	0.16	0.03	4.03e-05	-0.19	0.0	-0.43	-0.18	0.08	-2.35e-03	-0.02	0.16
		0.0	-0.02	4.35e-06	0.0	60.0	-0.43	-0.37	0.08	-2.35e-03	0.03	0.0
326	102	0.16	0.03	5.20e-05	-0.19	0.0	6.99e-03	-0.17	0.07	-1.83e-03	-0.01	0.16
		0.0	-0.01	3.03e-06	0.0	60.0	6.99e-03	-0.36	0.07	-1.83e-03	0.03	0.0
326	103	0.16	0.03	4.25e-05	-0.19	0.0	-0.33	-0.18	0.08	-2.26e-03	-0.02	0.16
		0.0	-0.02	3.89e-06	0.0	60.0	-0.33	-0.37	0.08	-2.26e-03	0.03	0.0
326	104	0.16	0.03	5.06e-05	-0.19	0.0	-0.09	-0.17	0.07	-1.88e-03	-0.01	0.16
		0.0	-0.01	3.46e-06	0.0	60.0	-0.09	-0.36	0.07	-1.88e-03	0.03	0.0
326	105	0.16	0.03	4.11e-05	-0.19	0.0	-0.42	-0.18	0.08	-2.30e-03	-0.02	0.16
		0.0	-0.02	4.32e-06	0.0	60.0	-0.42	-0.37	0.08	-2.30e-03	0.03	0.0
326	106	0.16	0.03	5.13e-05	-0.19	0.0	-0.04	-0.17	0.07	-1.85e-03	-0.01	0.16
		0.0	-0.01	3.35e-06	0.0	60.0	-0.04	-0.36	0.07	-1.85e-03	0.03	0.0
326	107	0.16	0.03	4.18e-05	-0.19	0.0	-0.38	-0.18	0.08	-2.28e-03	-0.02	0.16
		0.0	-0.02	4.21e-06	0.0	60.0	-0.38	-0.37	0.08	-2.28e-03	0.03	0.0
326	115	0.30	0.01	-3.39e-05	-0.19	0.0	-2.93	-0.40	0.05	2.09e-03	-8.22e-03	0.30
		0.0	-8.22e-03	-3.38e-04	0.0	60.0	-2.93	-0.59	0.05	2.09e-03	0.01	0.0
326	130	0.24	0.11	3.94e-05	-0.19	0.0	1.02	-0.30	0.24	1.87e-03	-0.03	0.24
		0.0	-0.03	-1.49e-04	0.0	60.0	1.02	-0.49	0.24	1.87e-03	0.11	0.0
326	132	0.08	0.12	1.07e-04	-0.19	0.0	2.39	-0.04	0.26	-5.62e-04	-0.03	0.08
		0.0	-0.03	1.52e-04	0.0	60.0	2.39	-0.23	0.26	-5.62e-04	0.12	0.0
326	135	0.25	-9.64e-04	-2.32e-05	-0.19	0.0	-3.15	-0.32	-0.10	-3.99e-03	-9.64e-04	0.25
		0.0	-0.06	-1.43e-04	0.0	60.0	-3.15	-0.50	-0.10	-3.99e-03	-0.06	0.0
326	136	0.08	0.13	1.08e-04	-0.19	0.0	2.35	-0.04	0.28	-4.37e-04	-0.03	0.08
		0.0	-0.03	1.57e-04	0.0	60.0	2.35	-0.23	0.28	-4.37e-04	0.13	0.0
326	139	0.24	-8.49e-04	-2.40e-05	-0.19	0.0	-3.10	-0.31	-0.12	-4.12e-03	-8.49e-04	0.24
		0.0	-0.07	-1.48e-04	0.0	60.0	-3.10	-0.50	-0.12	-4.12e-03	-0.07	0.0
326	147	0.31	0.01	-4.35e-05	-0.19	0.0	-3.25	-0.43	0.05	2.64e-03	-7.16e-03	0.31
		0.0	-7.16e-03	-3.81e-04	0.0	60.0	-3.25	-0.62	0.05	2.64e-03	0.01	0.0
326	162	0.25	0.12	3.90e-05	-0.19	0.0	1.18	-0.32	0.26	2.37e-03	-0.03	0.25
		0.0	-0.03	-1.69e-04	0.0	60.0	1.18	-0.51	0.26	2.37e-03	0.12	0.0
326	164	0.07	0.14	1.15e-04	-0.19	0.0	2.74	-0.02	0.28	-3.49e-04	-0.03	0.07
		0.0	-0.03	1.71e-04	0.0	60.0	2.74	-0.21	0.28	-3.49e-04	0.14	0.0
326	167	0.26	1.01e-03	-3.14e-05	-0.19	0.0	-3.50	-0.33	-0.12	-4.20e-03	1.01e-03	0.26
		0.0	-0.08	-1.62e-04	0.0	60.0	-3.50	-0.52	-0.12	-4.20e-03	-0.08	0.0
326	168	0.07	0.15	1.16e-04	-0.19	0.0	2.70	-0.03	0.30	-1.99e-04	-0.03	0.07
		0.0	-0.03	1.77e-04	0.0	60.0	2.70	-0.21	0.30	-1.99e-04	0.15	0.0
326	171	0.25	1.15e-03	-3.24e-05	-0.19	0.0	-3.45	-0.33	-0.15	-4.35e-03	1.15e-03	0.25
		0.0	-0.09	-1.68e-04	0.0	60.0	-3.45	-0.52	-0.15	-4.35e-03	-0.09	0.0
326	179	0.31	0.01	-4.11e-05	-0.19	0.0	-3.24	-0.43	0.05	2.23e-03	-7.27e-03	0.31
		0.0	-7.27e-03	-3.76e-04	0.0	60.0	-3.24	-0.62	0.05	2.23e-03	0.01	0.0
326	194	0.25	0.12	3.77e-05	-0.19	0.0	1.11	-0.33	0.25	2.06e-03	-0.03	0.25
		0.0	-0.03	-1.75e-04	0.0	60.0	1.11	-0.51	0.25	2.06e-03	0.12	0.0
326	196	0.07	0.13	1.15e-04	-0.19	0.0	2.73	-0.02	0.28	-3.25e-04	-0.03	0.07
		0.0	-0.03	1.74e-04	0.0	60.0	2.73	-0.21	0.28	-3.25e-04	0.13	0.0
326	199	0.26	8.08e-04	-3.09e-05	-0.19	0.0	-3.48	-0.33	-0.12	-4.23e-03	8.08e-04	0.26
		0.0	-0.07	-1.66e-04	0.0	60.0	-3.48	-0.52	-0.12	-4.23e-03	-0.07	0.0
326	200	0.07	0.15	1.16e-04	-0.19	0.0	2.70	-0.02	0.30	-1.71e-04	-0.03	0.07
		0.0	-0.03	1.83e-04	0.0	60.0	2.70	-0.21	0.30	-1.71e-04	0.15	0.0
326	203	0.26	9.96e-04	-3.23e-05	-0.19	0.0	-3.45	-0.33	-0.14	-4.38e-03	9.96e-04	0.26
		0.0	-0.09	-1.75e-04	0.0	60.0	-3.45	-0.52	-0.14	-4.38e-03	-0.09	0.0
326	208	7.60e-03	0.05	1.38e-04	-0.19	0.0	2.99	0.12	0.11	-7.33e-03	-0.03	-0.02

		-0.02	-0.03	4.49e-04	0.0	60.0	2.99	-0.07	0.11	-7.33e-03	0.05	0.0
326	211	0.34	9.73e-03	-5.43e-05	-0.19	0.0	-3.74	-0.47	0.04	2.78e-03	-5.68e-03	0.34
		0.0	-5.68e-03	-4.41e-04	0.0	60.0	-3.74	-0.66	0.04	2.78e-03	9.73e-03	0.0
326	228	0.05	0.15	1.27e-04	-0.19	0.0	3.26	5.82e-03	0.31	3.72e-05	-0.04	0.05
		0.0	-0.04	2.06e-04	0.0	60.0	3.26	-0.18	0.31	3.72e-05	0.15	0.0
326	231	0.27	3.72e-03	-4.32e-05	-0.19	0.0	-4.01	-0.36	-0.15	-4.59e-03	3.72e-03	0.27
		0.0	-0.09	-1.97e-04	0.0	60.0	-4.01	-0.55	-0.15	-4.59e-03	-0.09	0.0
326	232	0.05	0.16	1.29e-04	-0.19	0.0	3.24	5.56e-03	0.34	1.83e-04	-0.04	0.05
		0.0	-0.04	2.20e-04	0.0	60.0	3.24	-0.18	0.34	1.83e-04	0.16	0.0
326	235	0.27	3.99e-03	-4.56e-05	-0.19	0.0	-3.99	-0.36	-0.18	-4.74e-03	3.99e-03	0.27
		0.0	-0.10	-2.12e-04	0.0	60.0	-3.99	-0.55	-0.18	-4.74e-03	-0.10	0.0
327	4	0.05	0.07	-6.75e-05	-0.16	0.0	-0.66	0.21	-0.16	5.62e-04	0.07	0.0
		0.0	3.36e-03	1.04e-05	0.0	40.0	-0.66	0.04	-0.16	5.62e-04	3.36e-03	0.05
327	7	0.16	0.05	-6.04e-05	-0.13	0.0	-0.46	0.45	-0.13	4.11e-04	0.05	0.0
		0.0	2.57e-03	7.88e-06	0.0	40.0	-0.46	0.33	-0.13	4.11e-04	2.57e-03	0.16
327	19	4.42e-05	0.03	-4.05e-05	-0.13	0.0	0.75	5.69e-03	-0.08	1.93e-04	0.03	0.0
		-0.02	6.76e-04	4.33e-06	0.0	40.0	0.75	-0.12	-0.08	1.93e-04	6.76e-04	-0.02
327	28	5.91e-03	0.07	-6.37e-05	-0.16	0.0	-1.15	0.07	-0.15	6.16e-04	0.07	0.0
		-4.84e-03	4.58e-03	1.12e-05	0.0	40.0	-1.15	-0.09	-0.15	6.16e-04	4.58e-03	-4.84e-03
327	33	0.0	0.05	-3.73e-05	-0.16	0.0	-0.26	-0.64	-0.11	4.67e-04	0.05	0.0
		-0.29	3.07e-03	8.55e-06	0.0	40.0	-0.26	-0.80	-0.11	4.67e-04	3.07e-03	-0.29
327	67	0.08	0.05	-5.33e-05	-0.13	0.0	-0.26	0.27	-0.11	3.72e-04	0.05	0.0
		0.0	2.20e-03	7.24e-06	0.0	40.0	-0.26	0.14	-0.11	3.72e-04	2.20e-03	0.08
327	68	0.02	0.05	-4.98e-05	-0.13	0.0	-0.36	0.12	-0.12	4.02e-04	0.05	0.0
		0.0	2.33e-03	7.55e-06	0.0	40.0	-0.36	-1.95e-03	-0.12	4.02e-04	2.33e-03	0.02
327	72	0.0	0.03	-4.00e-05	-0.13	0.0	0.54	-0.03	-0.08	2.26e-04	0.03	0.0
		-0.04	9.41e-04	4.88e-06	0.0	40.0	0.54	-0.15	-0.08	2.26e-04	9.41e-04	-0.04
327	80	1.73e-03	0.05	-4.72e-05	-0.13	0.0	-0.69	0.03	-0.11	4.38e-04	0.05	0.0
		-0.01	3.15e-03	8.09e-06	0.0	40.0	-0.69	-0.09	-0.11	4.38e-04	3.15e-03	-0.01
327	81	0.0	0.03	-2.96e-05	-0.13	0.0	-0.09	-0.44	-0.08	3.38e-04	0.03	0.0
		-0.20	2.14e-03	6.31e-06	0.0	40.0	-0.09	-0.56	-0.08	3.38e-04	2.14e-03	-0.20
327	98	0.03	0.04	-4.80e-05	-0.13	0.0	-0.22	0.13	-0.10	3.57e-04	0.04	0.0
		0.0	2.05e-03	7.03e-06	0.0	40.0	-0.22	7.70e-03	-0.10	3.57e-04	2.05e-03	0.03
327	99	0.0	0.03	-3.67e-05	-0.13	0.0	0.23	-0.15	-0.08	2.79e-04	0.03	0.0
		-0.09	1.30e-03	5.69e-06	0.0	40.0	0.23	-0.28	-0.08	2.79e-04	1.30e-03	-0.09
327	102	0.0	0.03	-3.85e-05	-0.13	0.0	0.32	-0.08	-0.08	2.59e-04	0.03	0.0
		-0.06	1.19e-03	5.43e-06	0.0	40.0	0.32	-0.21	-0.08	2.59e-04	1.19e-03	-0.06
327	106	0.0	0.03	-3.81e-05	-0.13	0.0	0.27	-0.09	-0.07	2.67e-04	0.03	0.0
		-0.06	1.25e-03	5.56e-06	0.0	40.0	0.27	-0.22	-0.07	2.67e-04	1.25e-03	-0.06
327	107	0.02	0.04	-4.66e-05	-0.13	0.0	-0.15	0.10	-0.09	3.44e-04	0.04	0.0
		0.0	1.93e-03	6.82e-06	0.0	40.0	-0.15	-0.02	-0.09	3.44e-04	1.93e-03	0.02
327	108	1.38	0.11	-1.73e-04	-0.13	0.0	1.32	3.52	-0.24	-7.67e-03	0.11	0.0
		0.0	9.15e-03	2.20e-04	0.0	40.0	1.32	3.40	-0.24	-7.67e-03	9.15e-03	1.38
327	111	0.0	-5.28e-03	7.95e-05	-0.13	0.0	-1.62	-3.32	0.05	8.36e-03	-0.03	0.0
		-1.35	-0.03	-2.07e-04	0.0	40.0	-1.62	-3.45	0.05	8.36e-03	-5.28e-03	-1.35
327	132	0.84	0.14	-9.14e-05	-0.13	0.0	2.69	2.16	-0.33	1.49e-03	0.14	0.0
		0.0	0.01	1.16e-04	0.0	40.0	2.69	2.04	-0.33	1.49e-03	0.01	0.84
327	135	0.0	-7.87e-03	-1.74e-06	-0.13	0.0	-2.99	-1.96	0.14	-8.06e-04	-0.06	0.0
		-0.81	-0.06	-1.02e-04	0.0	40.0	-2.99	-2.09	0.14	-8.06e-04	-7.87e-03	-0.81
327	140	1.56	0.11	-1.89e-04	-0.13	0.0	1.50	3.96	-0.26	-8.68e-03	0.11	0.0
		0.0	0.01	2.47e-04	0.0	40.0	1.50	3.83	-0.26	-8.68e-03	0.01	1.56
327	143	0.0	-6.19e-03	9.56e-05	-0.13	0.0	-1.80	-3.76	0.07	9.36e-03	-0.03	0.0
		-1.53	-0.03	-2.34e-04	0.0	40.0	-1.80	-3.88	0.07	9.36e-03	-6.19e-03	-1.53
327	164	0.95	0.16	-9.73e-05	-0.13	0.0	3.04	2.43	-0.36	1.64e-03	0.16	0.0
		0.0	0.01	1.30e-04	0.0	40.0	3.04	2.30	-0.36	1.64e-03	0.01	0.95
327	167	0.0	-9.10e-03	4.18e-06	-0.13	0.0	-3.34	-2.23	0.17	-9.53e-04	-0.08	0.0
		-0.92	-0.08	-1.16e-04	0.0	40.0	-3.34	-2.35	0.17	-9.53e-04	-9.10e-03	-0.92
327	172	1.56	0.11	-1.93e-04	-0.13	0.0	1.47	3.97	-0.26	-8.32e-03	0.11	0.0
		0.0	9.88e-03	2.42e-04	0.0	40.0	1.47	3.84	-0.26	-8.32e-03	9.88e-03	1.56
327	175	0.0	-6.01e-03	9.96e-05	-0.13	0.0	-1.77	-3.77	0.07	9.00e-03	-0.03	0.0
		-1.53	-0.03	-2.28e-04	0.0	40.0	-1.77	-3.89	0.07	9.00e-03	-6.01e-03	-1.53
327	196	0.96	0.16	-1.00e-04	-0.13	0.0	3.00	2.47	-0.36	1.65e-03	0.16	0.0
		0.0	0.01	1.32e-04	0.0	40.0	3.00	2.35	-0.36	1.65e-03	0.01	0.96
327	199	0.0	-8.97e-03	6.95e-06	-0.13	0.0	-3.30	-2.27	0.17	-9.63e-04	-0.08	0.0
		-0.93	-0.08	-1.18e-04	0.0	40.0	-3.30	-2.40	0.17	-9.63e-04	-8.97e-03	-0.93
327	212	1.86	0.01	-2.31e-04	-0.13	0.0	1.47	4.72	-0.04	8.56e-03	0.01	0.0
		0.0	-1.85e-03	3.12e-04	0.0	40.0	1.47	4.60	-0.04	8.56e-03	-1.85e-03	1.86
327	215	0.0	0.07	1.38e-04	-0.13	0.0	-1.77	-4.52	-0.15	-7.87e-03	0.07	0.0
		-1.83	5.71e-03	-2.99e-04	0.0	40.0	-1.77	-4.64	-0.15	-7.87e-03	5.71e-03	-1.83
327	228	1.14	0.17	-1.12e-04	-0.13	0.0	3.52	2.92	-0.40	1.91e-03	0.17	0.0
		0.0	0.01	1.55e-04	0.0	40.0	3.52	2.80	-0.40	1.91e-03	0.01	1.14
327	231	0.0	-0.01	1.84e-05	-0.13	0.0	-3.81	-2.72	0.21	-1.23e-03	-0.09	0.0
		-1.11	-0.09	-1.42e-04	0.0	40.0	-3.81	-2.85	0.21	-1.23e-03	-0.01	-1.11
328	3	0.28	3.16e-03	-7.12e-05	-0.16	0.0	-1.56	0.44	-0.05	5.18e-04	3.16e-03	0.14
		0.14	-0.02	9.60e-06	0.0	40.0	-1.56	0.28	-0.05	5.18e-04	-0.02	0.28

328	18	0.15	2.66e-03	-6.58e-05	-0.16	0.0	-1.16	0.44	-0.06	4.80e-04	2.66e-03	7.24e-03
		7.24e-03	-0.02	8.75e-06	0.0	40.0	-1.16	0.28	-0.06	4.80e-04	-0.02	0.15
328	19	0.02	6.76e-04	-4.25e-05	-0.13	0.0	0.12	0.17	-0.05	1.93e-04	6.76e-04	-0.02
		-0.02	-0.02	4.19e-06	0.0	40.0	0.12	0.04	-0.05	1.93e-04	-0.02	0.02
328	28	0.16	4.58e-03	-6.83e-05	-0.16	0.0	-2.16	0.50	-3.86e-03	6.16e-04	4.58e-03	-4.84e-03
		-4.84e-03	3.03e-03	1.07e-05	0.0	40.0	-2.16	0.34	-3.86e-03	6.16e-04	3.03e-03	0.16
328	33	-0.17	5.98e-03	-5.17e-05	-0.16	0.0	-1.03	0.37	7.29e-03	4.67e-04	3.07e-03	-0.29
		-0.29	3.07e-03	8.10e-06	0.0	40.0	-1.03	0.20	7.29e-03	4.67e-04	5.98e-03	-0.17
328	45	-0.07	0.02	-3.98e-05	-0.13	0.0	-0.66	0.18	0.04	2.83e-04	2.71e-03	-0.11
		-0.11	2.71e-03	5.28e-06	0.0	40.0	-0.66	0.05	0.04	2.83e-04	0.02	-0.07
328	67	0.18	2.20e-03	-5.26e-05	-0.13	0.0	-1.03	0.31	-0.04	3.72e-04	2.20e-03	0.08
		0.08	-0.01	6.98e-06	0.0	40.0	-1.03	0.19	-0.04	3.72e-04	-0.01	0.18
328	72	0.01	9.41e-04	-4.27e-05	-0.13	0.0	-0.09	0.18	-0.04	2.26e-04	9.41e-04	-0.04
		-0.04	-0.01	4.70e-06	0.0	40.0	-0.09	0.06	-0.04	2.26e-04	-0.01	0.01
328	75	0.09	1.87e-03	-4.90e-05	-0.13	0.0	-0.77	0.31	-0.04	3.47e-04	1.87e-03	-3.83e-03
		-3.83e-03	-0.02	6.41e-06	0.0	40.0	-0.77	0.18	-0.04	3.47e-04	-0.02	0.09
328	80	0.10	3.15e-03	-5.07e-05	-0.13	0.0	-1.44	0.35	-4.42e-03	4.38e-04	3.15e-03	-0.01
		-0.01	1.38e-03	7.71e-06	0.0	40.0	-1.44	0.22	-4.42e-03	4.38e-04	1.38e-03	0.10
328	81	-0.12	3.34e-03	-3.96e-05	-0.13	0.0	-0.69	0.26	3.01e-03	3.38e-04	2.14e-03	-0.20
		-0.20	2.14e-03	5.98e-06	0.0	40.0	-0.69	0.13	3.01e-03	3.38e-04	3.34e-03	-0.12
328	85	-0.05	9.97e-03	-4.09e-05	-0.13	0.0	-0.60	0.19	0.02	2.86e-04	2.29e-03	-0.10
		-0.10	2.29e-03	5.43e-06	0.0	40.0	-0.60	0.06	0.02	2.86e-04	9.97e-03	-0.05
328	98	0.11	2.05e-03	-4.91e-05	-0.13	0.0	-0.94	0.28	-0.02	3.57e-04	2.05e-03	0.03
		0.03	-7.30e-03	6.75e-06	0.0	40.0	-0.94	0.15	-0.02	3.57e-04	-7.30e-03	0.11
328	99	-0.03	1.30e-03	-4.16e-05	-0.13	0.0	-0.39	0.20	-0.02	2.79e-04	1.30e-03	-0.09
		-0.09	-5.88e-03	5.44e-06	0.0	40.0	-0.39	0.08	-0.02	2.79e-04	-5.88e-03	-0.03
328	102	-7.50e-03	1.19e-03	-4.21e-05	-0.13	0.0	-0.30	0.19	-0.02	2.59e-04	1.19e-03	-0.06
		-0.06	-7.39e-03	5.20e-06	0.0	40.0	-0.30	0.06	-0.02	2.59e-04	-7.39e-03	-7.50e-03
328	103	0.10	1.87e-03	-4.82e-05	-0.13	0.0	-0.80	0.26	-0.03	3.36e-04	1.87e-03	0.02
		0.02	-8.67e-03	6.42e-06	0.0	40.0	-0.80	0.14	-0.03	3.36e-04	-8.67e-03	0.10
328	105	0.09	2.14e-03	-4.78e-05	-0.13	0.0	-0.90	0.26	-0.02	3.48e-04	2.14e-03	8.51e-03
		8.51e-03	-3.93e-03	6.56e-06	0.0	40.0	-0.90	0.14	-0.02	3.48e-04	-3.93e-03	0.09
328	106	-0.01	1.25e-03	-4.19e-05	-0.13	0.0	-0.35	0.19	-0.02	2.67e-04	1.25e-03	-0.06
		-0.06	-5.81e-03	5.32e-06	0.0	40.0	-0.35	0.06	-0.02	2.67e-04	-5.81e-03	-0.01
328	107	0.10	1.93e-03	-4.80e-05	-0.13	0.0	-0.85	0.26	-0.02	3.44e-04	1.93e-03	0.02
		0.02	-7.09e-03	6.54e-06	0.0	40.0	-0.85	0.14	-0.02	3.44e-04	-7.09e-03	0.10
328	108	3.41	9.15e-03	-1.84e-04	-0.13	0.0	-1.56	4.29	-0.06	-7.67e-03	9.15e-03	1.38
		1.38	-0.02	2.20e-04	0.0	40.0	-1.56	4.17	-0.06	-7.67e-03	-0.02	3.41
328	111	-1.35	1.26e-03	8.84e-05	-0.13	0.0	-0.14	-3.77	0.02	8.36e-03	-5.28e-03	-1.35
		-3.22	-5.28e-03	-2.07e-04	0.0	40.0	-0.14	-3.89	0.02	8.36e-03	1.26e-03	-3.22
328	136	1.94	8.60e-03	-8.40e-05	-0.13	0.0	0.99	3.02	-0.10	5.78e-03	8.60e-03	0.82
		0.82	-0.03	1.18e-04	0.0	40.0	0.99	2.89	-0.10	5.78e-03	-0.03	1.94
328	137	-0.04	0.01	-8.35e-05	-0.13	0.0	-3.45	0.04	0.04	-7.12e-04	-7.14e-03	-0.10
		-0.10	-7.14e-03	3.42e-05	0.0	40.0	-3.45	-0.08	0.04	-7.12e-04	0.01	-0.04
328	138	0.24	0.01	-1.26e-05	-0.13	0.0	1.74	0.48	-0.09	1.40e-03	0.01	0.13
		0.13	-0.03	-2.11e-05	0.0	40.0	1.74	0.36	-0.09	1.40e-03	-0.03	0.24
328	139	-0.79	0.01	-1.21e-05	-0.13	0.0	-2.70	-2.49	0.05	-5.09e-03	-4.74e-03	-0.79
		-1.75	-4.74e-03	-1.05e-04	0.0	40.0	-2.70	-2.62	0.05	-5.09e-03	0.01	-1.75
328	140	3.84	0.01	-2.02e-04	-0.13	0.0	-1.65	4.80	-0.07	-8.68e-03	0.01	1.56
		1.56	-0.02	2.47e-04	0.0	40.0	-1.65	4.68	-0.07	-8.68e-03	-0.02	3.84
328	143	-1.53	2.30e-03	1.06e-04	-0.13	0.0	-0.05	-4.28	0.02	9.36e-03	-6.19e-03	-1.53
		-3.65	-6.19e-03	-2.34e-04	0.0	40.0	-0.05	-4.40	0.02	9.36e-03	2.30e-03	-3.65
328	168	2.19	9.45e-03	-8.90e-05	-0.13	0.0	1.21	3.38	-0.11	6.46e-03	9.45e-03	0.93
		0.93	-0.03	1.33e-04	0.0	40.0	1.21	3.25	-0.11	6.46e-03	-0.03	2.19
328	169	-0.06	0.01	-8.80e-05	-0.13	0.0	-3.77	0.02	0.05	-8.46e-04	-8.27e-03	-0.11
		-0.11	-8.27e-03	3.75e-05	0.0	40.0	-3.77	-0.11	0.05	-8.46e-04	0.01	-0.06
328	170	0.25	0.01	-8.07e-06	-0.13	0.0	2.07	0.51	-0.10	1.53e-03	0.01	0.15
		0.15	-0.03	-2.45e-05	0.0	40.0	2.07	0.38	-0.10	1.53e-03	-0.03	0.25
328	171	-0.90	0.02	-7.04e-06	-0.13	0.0	-2.92	-2.85	0.06	-5.77e-03	-5.58e-03	-0.90
		-2.00	-5.58e-03	-1.19e-04	0.0	40.0	-2.92	-2.98	0.06	-5.77e-03	0.02	-2.00
328	172	3.85	9.88e-03	-2.04e-04	-0.13	0.0	-1.66	4.81	-0.06	-8.32e-03	9.88e-03	1.56
		1.56	-0.02	2.41e-04	0.0	40.0	-1.66	4.69	-0.06	-8.32e-03	-0.02	3.85
328	175	-1.53	2.10e-03	1.08e-04	-0.13	0.0	-0.05	-4.29	0.02	9.00e-03	-6.01e-03	-1.53
		-3.66	-6.01e-03	-2.28e-04	0.0	40.0	-0.05	-4.41	0.02	9.00e-03	2.10e-03	-3.66
328	200	2.26	9.47e-03	-9.32e-05	-0.13	0.0	1.15	3.47	-0.11	6.32e-03	9.47e-03	0.96
		0.96	-0.03	1.37e-04	0.0	40.0	1.15	3.35	-0.11	6.32e-03	-0.03	2.26
328	201	-0.06	0.01	-8.88e-05	-0.13	0.0	-3.74	0.03	0.05	-8.01e-04	-8.07e-03	-0.12
		-0.12	-8.07e-03	3.53e-05	0.0	40.0	-3.74	-0.09	0.05	-8.01e-04	0.01	-0.06
328	202	0.25	0.01	-7.27e-06	-0.13	0.0	2.03	0.49	-0.10	1.49e-03	0.01	0.15
		0.15	-0.03	-2.23e-05	0.0	40.0	2.03	0.37	-0.10	1.49e-03	-0.03	0.25
328	203	-0.93	0.02	-2.89e-06	-0.13	0.0	-2.86	-2.95	0.06	-5.64e-03	-5.60e-03	-0.93
		-2.07	-5.60e-03	-1.24e-04	0.0	40.0	-2.86	-3.07	0.06	-5.64e-03	0.02	-2.07
328	212	4.57	-1.85e-03	-2.35e-04	-0.13	0.0	-2.01	5.67	-0.06	8.56e-03	-1.85e-03	1.86
		1.86	-0.02	3.11e-04	0.0	40.0	-2.01	5.54	-0.06	8.56e-03	-0.02	4.57
328	215	-1.83	5.71e-03	1.39e-04	-0.13	0.0	0.30	-5.15	0.02	-7.87e-03	5.71e-03	-1.83

		-4.38	4.40e-03	-2.98e-04	0.0	40.0	0.30	-5.27	0.02	-7.87e-03	4.40e-03	-4.38
328	232	2.70	0.01	-1.04e-04	-0.13	0.0	1.45	4.12	-0.12	7.37e-03	0.01	1.15
		1.15	-0.03	1.63e-04	0.0	40.0	1.45	3.99	-0.12	7.37e-03	-0.03	2.70
328	233	-0.08	0.02	-9.65e-05	-0.13	0.0	-4.22	0.01	0.06	-9.58e-04	-9.71e-03	-0.14
		-0.14	-9.71e-03	4.04e-05	0.0	40.0	-4.22	-0.11	0.06	-9.58e-04	0.02	-0.08
328	234	0.27	0.01	0.0	-0.13	0.0	2.51	0.51	-0.11	1.65e-03	0.01	0.17
		0.17	-0.03	-2.73e-05	0.0	40.0	2.51	0.39	-0.11	1.65e-03	-0.03	0.27
328	235	-1.12	0.02	8.68e-06	-0.13	0.0	-3.16	-3.59	0.07	-6.69e-03	-6.88e-03	-1.12
		-2.51	-6.88e-03	-1.50e-04	0.0	40.0	-3.16	-3.72	0.07	-6.69e-03	0.02	-2.51
329	3	0.39	-0.02	-6.65e-05	-0.16	0.0	-2.59	0.36	-0.10	5.18e-04	-0.02	0.28
		0.28	-0.06	8.41e-06	0.0	40.0	-2.59	0.19	-0.10	5.18e-04	-0.06	0.39
329	18	0.29	-0.02	-6.37e-05	-0.16	0.0	-2.14	0.43	-0.18	4.80e-04	-0.02	0.15
		0.15	-0.09	7.64e-06	0.0	40.0	-2.14	0.27	-0.18	4.80e-04	-0.09	0.29
329	19	0.08	-0.02	-4.27e-05	-0.13	0.0	-0.52	0.22	-0.18	1.93e-04	-0.02	0.02
		0.02	-0.09	3.59e-06	0.0	40.0	-0.52	0.09	-0.18	1.93e-04	-0.09	0.08
329	28	0.32	0.10	-6.59e-05	-0.16	0.0	-3.20	0.48	0.24	6.16e-04	3.03e-03	0.16
		0.16	3.03e-03	9.46e-06	0.0	40.0	-3.20	0.32	0.24	6.16e-04	0.10	0.32
329	36	-0.03	0.10	-4.20e-05	-0.13	0.0	-1.44	0.45	0.24	3.60e-04	8.11e-03	-0.18
		-0.18	8.11e-03	5.43e-06	0.0	40.0	-1.44	0.32	0.24	3.60e-04	0.10	-0.03
329	45	0.02	0.17	-4.17e-05	-0.13	0.0	-1.31	0.28	0.39	2.83e-04	0.02	-0.07
		-0.07	0.02	4.65e-06	0.0	40.0	-1.31	0.15	0.39	2.83e-04	0.17	0.02
329	67	0.26	-0.01	-4.97e-05	-0.13	0.0	-1.80	0.27	-0.07	3.72e-04	-0.01	0.18
		0.18	-0.04	6.12e-06	0.0	40.0	-1.80	0.14	-0.07	3.72e-04	-0.04	0.26
329	72	0.08	-0.01	-4.31e-05	-0.13	0.0	-0.74	0.24	-0.12	2.26e-04	-0.01	0.01
		0.01	-0.06	4.07e-06	0.0	40.0	-0.74	0.11	-0.12	2.26e-04	-0.06	0.08
329	75	0.19	-0.02	-4.78e-05	-0.13	0.0	-1.50	0.31	-0.12	3.47e-04	-0.02	0.09
		0.09	-0.06	5.61e-06	0.0	40.0	-1.50	0.19	-0.12	3.47e-04	-0.06	0.19
329	80	0.22	0.07	-4.93e-05	-0.13	0.0	-2.21	0.35	0.16	4.38e-04	1.38e-03	0.10
		0.10	1.38e-03	6.82e-06	0.0	40.0	-2.21	0.22	0.16	4.38e-04	0.07	0.22
329	81	9.89e-03	0.07	-4.26e-05	-0.13	0.0	-1.35	0.39	0.16	3.38e-04	3.34e-03	-0.12
		-0.12	3.34e-03	5.30e-06	0.0	40.0	-1.35	0.27	0.16	3.38e-04	0.07	9.89e-03
329	85	0.04	0.12	-4.24e-05	-0.13	0.0	-1.27	0.28	0.26	2.86e-04	9.97e-03	-0.05
		-0.05	9.97e-03	4.78e-06	0.0	40.0	-1.27	0.15	0.26	2.86e-04	0.12	0.04
329	98	0.20	-3.90e-03	-4.75e-05	-0.13	0.0	-1.67	0.27	8.48e-03	3.57e-04	-7.30e-03	0.11
		0.11	-7.30e-03	5.95e-06	0.0	40.0	-1.67	0.15	8.48e-03	3.57e-04	-3.90e-03	0.20
329	99	0.06	-2.97e-03	-4.28e-05	-0.13	0.0	-1.04	0.28	7.26e-03	2.79e-04	-5.88e-03	-0.03
		-0.03	-5.88e-03	4.81e-06	0.0	40.0	-1.04	0.16	7.26e-03	2.79e-04	-2.97e-03	0.06
329	102	0.07	-7.39e-03	-4.28e-05	-0.13	0.0	-0.95	0.25	-0.02	2.59e-04	-7.39e-03	-7.50e-03
		-7.50e-03	-0.01	4.57e-06	0.0	40.0	-0.95	0.13	-0.02	2.59e-04	-0.01	0.07
329	103	0.18	-8.67e-03	-4.69e-05	-0.13	0.0	-1.52	0.27	-0.02	3.36e-04	-8.67e-03	0.10
		0.10	-0.02	5.65e-06	0.0	40.0	-1.52	0.14	-0.02	3.36e-04	-0.02	0.18
329	104	0.06	0.02	-4.27e-05	-0.13	0.0	-1.05	0.26	0.06	2.71e-04	-2.66e-03	-0.02
		-0.02	-2.66e-03	4.71e-06	0.0	40.0	-1.05	0.14	0.06	2.71e-04	0.02	0.06
329	106	0.07	-2.92e-03	-4.28e-05	-0.13	0.0	-1.00	0.26	7.23e-03	2.67e-04	-5.81e-03	-0.01
		-0.01	-5.81e-03	4.69e-06	0.0	40.0	-1.00	0.13	7.23e-03	2.67e-04	-2.92e-03	0.07
329	107	0.18	-3.76e-03	-4.68e-05	-0.13	0.0	-1.57	0.27	8.31e-03	3.44e-04	-7.09e-03	0.10
		0.10	-7.09e-03	5.77e-06	0.0	40.0	-1.57	0.14	8.31e-03	3.44e-04	-3.76e-03	0.18
329	109	4.58	0.04	-1.14e-04	-0.13	0.0	-4.90	2.99	0.09	-5.60e-03	-3.59e-03	2.77
		2.77	-3.59e-03	2.36e-04	0.0	40.0	-4.90	2.86	0.09	-5.60e-03	0.04	4.58
329	110	-2.58	-0.01	2.08e-05	-0.13	0.0	1.75	-2.45	-0.07	6.29e-03	-0.01	-2.58
		-4.22	-0.04	-2.24e-04	0.0	40.0	1.75	-2.58	-0.07	6.29e-03	-0.04	-4.22
329	113	3.78	0.04	-1.22e-04	-0.13	0.0	-5.08	2.49	0.09	-7.61e-03	-3.42e-03	2.80
		2.80	-3.42e-03	2.15e-04	0.0	40.0	-5.08	2.36	0.09	-7.61e-03	0.04	3.78
329	114	-2.61	-0.01	2.84e-05	-0.13	0.0	1.93	-1.95	-0.08	8.30e-03	-0.01	-2.61
		-3.42	-0.05	-2.03e-04	0.0	40.0	1.93	-2.07	-0.08	8.30e-03	-0.05	-3.42
329	133	0.07	0.11	-7.29e-05	-0.13	0.0	-4.55	0.13	0.24	-4.99e-03	0.01	1.49e-03
		1.49e-03	0.01	3.18e-05	0.0	40.0	-4.55	7.86e-03	0.24	-4.99e-03	0.11	0.07
329	134	0.29	-0.03	-2.07e-05	-0.13	0.0	1.40	0.41	-0.22	5.68e-03	-0.03	0.19
		0.19	-0.12	-2.03e-05	0.0	40.0	1.40	0.28	-0.22	5.68e-03	-0.12	0.29
329	141	5.13	0.04	-1.23e-04	-0.13	0.0	-5.33	3.34	0.10	-6.34e-03	-3.16e-03	3.11
		3.11	-3.16e-03	2.65e-04	0.0	40.0	-5.33	3.21	0.10	-6.34e-03	0.04	5.13
329	142	-2.92	-0.01	2.94e-05	-0.13	0.0	2.18	-2.80	-0.08	7.03e-03	-0.01	-2.92
		-4.78	-0.05	-2.53e-04	0.0	40.0	2.18	-2.92	-0.08	7.03e-03	-0.05	-4.78
329	145	4.23	0.04	-1.32e-04	-0.13	0.0	-5.52	2.77	0.10	-8.60e-03	-2.97e-03	3.14
		3.14	-2.97e-03	2.41e-04	0.0	40.0	-5.52	2.64	0.10	-8.60e-03	0.04	4.23
329	146	-2.95	-0.01	3.79e-05	-0.13	0.0	2.37	-2.23	-0.09	9.29e-03	-0.01	-2.95
		-3.87	-0.05	-2.30e-04	0.0	40.0	2.37	-2.35	-0.09	9.29e-03	-0.05	-3.87
329	165	0.04	0.12	-7.61e-05	-0.13	0.0	-4.92	0.11	0.26	-5.66e-03	0.01	-0.02
		-0.02	0.01	3.47e-05	0.0	40.0	-4.92	-0.01	0.26	-5.66e-03	0.12	0.04
329	166	0.31	-0.03	-1.75e-05	-0.13	0.0	1.77	0.43	-0.25	6.35e-03	-0.03	0.21
		0.21	-0.13	-2.32e-05	0.0	40.0	1.77	0.30	-0.25	6.35e-03	-0.13	0.31
329	173	5.16	0.04	-1.25e-04	-0.13	0.0	-5.34	3.35	0.09	-6.03e-03	-3.22e-03	3.12
		3.12	-3.22e-03	2.62e-04	0.0	40.0	-5.34	3.23	0.09	-6.03e-03	0.04	5.16
329	174	-2.93	-0.01	3.11e-05	-0.13	0.0	2.19	-2.81	-0.08	6.72e-03	-0.01	-2.93
		-4.80	-0.05	-2.50e-04	0.0	40.0	2.19	-2.94	-0.08	6.72e-03	-0.05	-4.80

329	177	4.24	0.04	-1.33e-04	-0.13	0.0	-5.52	2.77	0.10	-8.24e-03	-3.00e-03	3.14
		3.14	-3.00e-03	2.36e-04	0.0	40.0	-5.52	2.65	0.10	-8.24e-03	0.04	4.24
329	178	-2.95	-0.01	3.92e-05	-0.13	0.0	2.37	-2.23	-0.08	8.93e-03	-0.01	-2.95
		-3.88	-0.05	-2.25e-04	0.0	40.0	2.37	-2.36	-0.08	8.93e-03	-0.05	-3.88
329	197	8.28e-03	0.12	-7.56e-05	-0.13	0.0	-4.88	0.11	0.26	-5.47e-03	0.01	-0.05
		-0.05	0.01	3.03e-05	0.0	40.0	-4.88	-0.02	0.26	-5.47e-03	0.12	8.28e-03
329	198	0.35	-0.03	-1.80e-05	-0.13	0.0	1.73	0.43	-0.24	6.16e-03	-0.03	0.24
		0.24	-0.13	-1.87e-05	0.0	40.0	1.73	0.31	-0.24	6.16e-03	-0.13	0.35
329	213	6.10	0.05	-1.36e-04	-0.13	0.0	-6.07	3.92	0.11	0.01	-3.42e-03	3.71
		3.71	-3.42e-03	3.37e-04	0.0	40.0	-6.07	3.80	0.11	0.01	0.05	6.10
329	214	-3.52	-0.01	4.19e-05	-0.13	0.0	2.92	-3.38	-0.09	-0.01	-0.01	-3.52
		-5.75	-0.05	-3.25e-04	0.0	40.0	2.92	-3.51	-0.09	-0.01	-0.05	-5.75
329	217	5.00	0.05	-1.45e-04	-0.13	0.0	-6.27	3.23	0.11	8.64e-03	-3.15e-03	3.72
		3.72	-3.15e-03	3.05e-04	0.0	40.0	-6.27	3.10	0.11	8.64e-03	0.05	5.00
329	218	-3.53	-0.01	5.10e-05	-0.13	0.0	3.12	-2.69	-0.10	-7.95e-03	-0.01	-3.53
		-4.65	-0.06	-2.94e-04	0.0	40.0	3.12	-2.81	-0.10	-7.95e-03	-0.06	-4.65
329	229	-0.05	0.14	-8.02e-05	-0.13	0.0	-5.43	0.07	0.30	-6.42e-03	0.02	-0.10
		-0.10	0.02	3.20e-05	0.0	40.0	-5.43	-0.06	0.30	-6.42e-03	0.14	-0.05
329	230	0.41	-0.03	-1.35e-05	-0.13	0.0	2.28	0.47	-0.28	7.11e-03	-0.03	0.29
		0.29	-0.15	-2.04e-05	0.0	40.0	2.28	0.34	-0.28	7.11e-03	-0.15	0.41
330	3	0.55	0.01	-8.90e-05	-0.24	0.0	-1.59	0.38	0.12	5.18e-04	-0.06	0.39
		0.39	-0.06	2.67e-06	0.0	60.0	-1.59	0.13	0.12	5.18e-04	0.01	0.55
330	18	0.49	0.03	-8.73e-05	-0.24	0.0	-1.18	0.46	0.20	4.80e-04	-0.09	0.29
		0.29	-0.09	-4.49e-06	0.0	60.0	-1.18	0.21	0.20	4.80e-04	0.03	0.49
330	19	0.28	0.03	-6.42e-05	-0.19	0.0	0.35	0.43	0.20	1.93e-04	-0.09	0.08
		0.08	-0.09	-1.02e-05	0.0	60.0	0.35	0.24	0.20	1.93e-04	0.03	0.28
330	28	0.51	0.10	-8.87e-05	-0.24	0.0	-2.17	0.44	-0.24	6.16e-04	0.10	0.32
		0.32	-0.05	3.16e-05	0.0	60.0	-2.17	0.20	-0.24	6.16e-04	-0.05	0.51
330	36	0.24	0.10	-6.37e-05	-0.19	0.0	-0.57	0.53	-0.24	3.60e-04	0.10	-0.03
		-0.03	-0.04	2.59e-05	0.0	60.0	-0.57	0.35	-0.24	3.60e-04	-0.04	0.24
330	45	0.25	0.17	-6.41e-05	-0.19	0.0	-0.28	0.48	-0.41	2.83e-04	0.17	0.02
		0.02	-0.07	3.70e-05	0.0	60.0	-0.28	0.29	-0.41	2.83e-04	-0.07	0.25
330	67	0.40	8.80e-03	-6.77e-05	-0.19	0.0	-1.01	0.32	0.08	3.72e-04	-0.04	0.26
		0.26	-0.04	2.51e-06	0.0	60.0	-1.01	0.13	0.08	3.72e-04	8.80e-03	0.40
330	72	0.29	0.02	-6.44e-05	-0.19	0.0	0.14	0.43	0.13	2.26e-04	-0.06	0.08
		0.08	-0.06	-4.41e-06	0.0	60.0	0.14	0.24	0.13	2.26e-04	0.02	0.29
330	75	0.36	0.02	-6.66e-05	-0.19	0.0	-0.73	0.37	0.13	3.47e-04	-0.06	0.19
		0.19	-0.06	-2.27e-06	0.0	60.0	-0.73	0.18	0.13	3.47e-04	0.02	0.36
330	80	0.38	0.07	-6.76e-05	-0.19	0.0	-1.39	0.36	-0.16	4.38e-04	0.07	0.22
		0.22	-0.03	2.18e-05	0.0	60.0	-1.39	0.17	-0.16	4.38e-04	-0.03	0.38
330	81	0.25	0.07	-6.40e-05	-0.19	0.0	-0.47	0.50	-0.16	3.38e-04	0.07	9.89e-03
		9.89e-03	-0.03	1.97e-05	0.0	60.0	-0.47	0.31	-0.16	3.38e-04	-0.03	0.25
330	85	0.26	0.12	-6.43e-05	-0.19	0.0	-0.28	0.47	-0.27	2.86e-04	0.12	0.04
		0.04	-0.05	2.70e-05	0.0	60.0	-0.28	0.28	-0.27	2.86e-04	-0.05	0.26
330	98	0.36	-3.90e-03	-6.67e-05	-0.19	0.0	-0.83	0.36	-2.49e-04	3.57e-04	-3.90e-03	0.20
		0.20	-4.05e-03	8.40e-06	0.0	60.0	-0.83	0.17	-2.49e-04	3.57e-04	-4.05e-03	0.36
330	99	0.27	-2.97e-03	-6.42e-05	-0.19	0.0	-0.15	0.46	-4.16e-04	2.79e-04	-2.97e-03	0.06
		0.06	-3.22e-03	6.81e-06	0.0	60.0	-0.15	0.27	-4.16e-04	2.79e-04	-3.22e-03	0.27
330	102	0.28	1.23e-03	-6.43e-05	-0.19	0.0	-0.05	0.44	0.03	2.59e-04	-0.01	0.07
		0.07	-0.01	4.44e-06	0.0	60.0	-0.05	0.26	0.03	2.59e-04	1.23e-03	0.28
330	103	0.35	4.81e-04	-6.63e-05	-0.19	0.0	-0.68	0.37	0.03	3.36e-04	-0.02	0.18
		0.18	-0.02	5.94e-06	0.0	60.0	-0.68	0.18	0.03	3.36e-04	4.81e-04	0.35
330	104	0.28	0.02	-6.43e-05	-0.19	0.0	-0.13	0.45	-0.05	2.71e-04	0.02	0.06
		0.06	-0.01	1.07e-05	0.0	60.0	-0.13	0.26	-0.05	2.71e-04	-0.01	0.28
330	106	0.28	-2.92e-03	-6.43e-05	-0.19	0.0	-0.09	0.45	-4.27e-04	2.67e-04	-2.92e-03	0.07
		0.07	-3.18e-03	6.65e-06	0.0	60.0	-0.09	0.26	-4.27e-04	2.67e-04	-3.18e-03	0.28
330	107	0.35	-3.76e-03	-6.63e-05	-0.19	0.0	-0.72	0.37	-2.74e-04	3.44e-04	-3.76e-03	0.18
		0.18	-3.93e-03	8.15e-06	0.0	60.0	-0.72	0.19	-2.74e-04	3.44e-04	-3.93e-03	0.35
330	109	4.58	0.04	-1.13e-05	-0.19	0.0	-5.66	-3.31	-0.09	-5.60e-03	0.04	4.58
		2.53	-0.02	3.57e-04	0.0	60.0	-5.66	-3.50	-0.09	-5.60e-03	-0.02	2.53
330	110	-1.84	0.01	-1.38e-04	-0.19	0.0	4.21	4.06	0.09	6.29e-03	-0.04	-4.22
		-4.22	-0.04	-3.41e-04	0.0	60.0	4.21	3.87	0.09	6.29e-03	0.01	-1.84
330	113	3.78	0.04	-1.16e-05	-0.19	0.0	-5.78	-2.64	-0.10	-7.61e-03	0.04	3.78
		2.13	-0.02	3.26e-04	0.0	60.0	-5.78	-2.83	-0.10	-7.61e-03	-0.02	2.13
330	114	-1.44	0.01	-1.32e-04	-0.19	0.0	4.34	3.39	0.10	8.30e-03	-0.05	-3.42
		-3.42	-0.05	-3.10e-04	0.0	60.0	4.34	3.20	0.10	8.30e-03	0.01	-1.44
330	133	0.29	0.11	-5.39e-05	-0.19	0.0	-4.33	0.47	-0.27	-4.99e-03	0.11	0.07
		0.07	-0.05	6.65e-05	0.0	60.0	-4.33	0.28	-0.27	-4.99e-03	-0.05	0.29
330	134	0.40	0.05	-7.87e-05	-0.19	0.0	2.88	0.28	0.27	5.68e-03	-0.12	0.29
		0.29	-0.12	-5.02e-05	0.0	60.0	2.88	0.09	0.27	5.68e-03	0.05	0.40
330	141	5.13	0.04	1.44e-05	-0.19	0.0	-6.29	-3.78	-0.11	-6.34e-03	0.04	5.13
		2.81	-0.02	4.02e-04	0.0	60.0	-6.29	-3.97	-0.11	-6.34e-03	-0.02	2.81
330	142	-2.12	0.02	-1.47e-04	-0.19	0.0	4.84	4.53	0.11	7.03e-03	-0.05	-4.78
		-4.78	-0.05	-3.85e-04	0.0	60.0	4.84	4.34	0.11	7.03e-03	0.02	-2.12
330	145	4.23	0.04	-9.14e-06	-0.19	0.0	-6.42	-3.02	-0.11	-8.60e-03	0.04	4.23

		2.36	-0.03	3.66e-04	0.0	60.0	-6.42	-3.21	-0.11	-8.60e-03	-0.03	2.36
330	146	-1.67	0.02	-1.41e-04	-0.19	0.0	4.98	3.77	0.11	9.29e-03	-0.05	-3.87
		-3.87	-0.05	-3.50e-04	0.0	60.0	4.98	3.58	0.11	9.29e-03	0.02	-1.67
330	165	0.28	0.12	-5.25e-05	-0.19	0.0	-4.78	0.49	-0.30	-5.66e-03	0.12	0.04
		0.04	-0.06	7.33e-05	0.0	60.0	-4.78	0.30	-0.30	-5.66e-03	-0.06	0.28
330	166	0.41	0.05	-8.02e-05	-0.19	0.0	3.34	0.26	0.30	6.35e-03	-0.13	0.31
		0.31	-0.13	-5.70e-05	0.0	60.0	3.34	0.07	0.30	6.35e-03	0.05	0.41
330	173	5.16	0.04	1.41e-05	-0.19	0.0	-6.32	-3.80	-0.10	-6.03e-03	0.04	5.16
		2.82	-0.02	3.97e-04	0.0	60.0	-6.32	-3.99	-0.10	-6.03e-03	-0.02	2.82
330	174	-2.13	0.01	-1.47e-04	-0.19	0.0	4.87	4.55	0.10	6.72e-03	-0.05	-4.80
		-4.80	-0.05	-3.81e-04	0.0	60.0	4.87	4.36	0.10	6.72e-03	0.01	-2.13
330	177	4.24	0.04	-9.47e-06	-0.19	0.0	-6.43	-3.03	-0.11	-8.24e-03	0.04	4.24
		2.36	-0.02	3.59e-04	0.0	60.0	-6.43	-3.22	-0.11	-8.24e-03	-0.02	2.36
330	178	-1.67	0.02	-1.40e-04	-0.19	0.0	4.98	3.78	0.11	8.93e-03	-0.05	-3.88
		-3.88	-0.05	-3.42e-04	0.0	60.0	4.98	3.59	0.11	8.93e-03	0.02	-1.67
330	197	0.26	0.12	-5.39e-05	-0.19	0.0	-4.75	0.52	-0.30	-5.47e-03	0.12	8.28e-03
		8.28e-03	-0.06	6.63e-05	0.0	60.0	-4.75	0.33	-0.30	-5.47e-03	-0.06	0.26
330	198	0.43	0.05	-7.88e-05	-0.19	0.0	3.31	0.23	0.30	6.16e-03	-0.13	0.35
		0.35	-0.13	-5.00e-05	0.0	60.0	3.31	0.04	0.30	6.16e-03	0.05	0.43
330	209	4.95	0.05	1.96e-05	-0.19	0.0	-7.44	-3.63	-0.13	-9.56e-03	0.05	4.95
		2.72	-0.03	4.16e-04	0.0	60.0	-7.44	-3.82	-0.13	-9.56e-03	-0.03	2.72
330	210	-2.03	0.02	-1.52e-04	-0.19	0.0	5.99	4.38	0.13	0.01	-0.06	-4.60
		-4.60	-0.06	-4.00e-04	0.0	60.0	5.99	4.19	0.13	0.01	0.02	-2.03
330	213	6.10	0.05	3.99e-05	-0.19	0.0	-7.05	-4.60	-0.12	0.01	0.05	6.10
		3.29	-0.03	5.10e-04	0.0	60.0	-7.05	-4.79	-0.12	0.01	-0.03	3.29
330	214	-2.60	0.02	-1.73e-04	-0.19	0.0	5.60	5.35	0.12	-0.01	-0.05	-5.75
		-5.75	-0.05	-4.94e-04	0.0	60.0	5.60	5.16	0.12	-0.01	0.02	-2.60
330	229	0.23	0.14	-5.26e-05	-0.19	0.0	-5.44	0.57	-0.35	-6.42e-03	0.14	-0.05
		-0.05	-0.07	7.23e-05	0.0	60.0	-5.44	0.38	-0.35	-6.42e-03	-0.07	0.23
330	230	0.46	0.06	-8.01e-05	-0.19	0.0	4.00	0.18	0.35	7.11e-03	-0.15	0.41
		0.41	-0.15	-5.60e-05	0.0	60.0	4.00	-4.91e-03	0.35	7.11e-03	0.06	0.46
331	3	0.82	-0.02	-1.32e-05	-0.12	0.0	-4.87	0.70	0.22	5.18e-04	-0.08	0.63
		0.63	-0.08	3.06e-06	0.0	30.0	-4.87	0.57	0.22	5.18e-04	-0.02	0.82
331	18	0.80	-0.04	-1.31e-05	-0.12	0.0	-4.34	0.66	0.29	4.80e-04	-0.13	0.63
		0.63	-0.13	2.82e-06	0.0	30.0	-4.34	0.54	0.29	4.80e-04	-0.04	0.80
331	19	0.61	-0.05	-8.49e-06	-0.09	0.0	-1.95	0.35	0.25	1.93e-04	-0.13	0.51
		0.51	-0.13	1.36e-06	0.0	30.0	-1.95	0.26	0.25	1.93e-04	-0.05	0.61
331	28	0.80	0.14	-1.43e-05	-0.12	0.0	-5.76	0.73	-0.13	6.16e-04	0.14	0.60
		0.60	0.10	3.38e-06	0.0	30.0	-5.76	0.61	-0.13	6.16e-04	0.10	0.80
331	38	0.60	0.14	-1.14e-05	-0.09	0.0	-4.46	0.56	-0.16	4.96e-04	0.14	0.45
		0.45	0.09	2.65e-06	0.0	30.0	-4.46	0.47	-0.16	4.96e-04	0.09	0.60
331	45	0.59	0.24	-9.40e-06	-0.09	0.0	-3.10	0.37	-0.35	2.83e-04	0.24	0.50
		0.50	0.14	1.50e-06	0.0	30.0	-3.10	0.27	-0.35	2.83e-04	0.14	0.59
331	67	0.63	-0.01	-9.92e-06	-0.09	0.0	-3.52	0.51	0.15	3.72e-04	-0.06	0.49
		0.49	-0.06	2.25e-06	0.0	30.0	-3.52	0.41	0.15	3.72e-04	-0.01	0.63
331	72	0.61	-0.03	-8.73e-06	-0.09	0.0	-2.24	0.37	0.18	2.26e-04	-0.09	0.51
		0.51	-0.09	1.52e-06	0.0	30.0	-2.24	0.27	0.18	2.26e-04	-0.03	0.61
331	75	0.62	-0.03	-9.85e-06	-0.09	0.0	-3.17	0.48	0.20	3.47e-04	-0.09	0.49
		0.49	-0.09	2.08e-06	0.0	30.0	-3.17	0.39	0.20	3.47e-04	-0.03	0.62
331	80	0.62	0.09	-1.06e-05	-0.09	0.0	-4.12	0.53	-0.08	4.38e-04	0.09	0.47
		0.47	0.07	2.46e-06	0.0	30.0	-4.12	0.44	-0.08	4.38e-04	0.07	0.62
331	83	0.60	0.09	-1.07e-05	-0.09	0.0	-3.91	0.51	-0.09	4.29e-04	0.09	0.46
		0.46	0.07	2.41e-06	0.0	30.0	-3.91	0.41	-0.09	4.29e-04	0.07	0.60
331	85	0.60	0.16	-9.34e-06	-0.09	0.0	-3.01	0.38	-0.22	2.86e-04	0.16	0.50
		0.50	0.09	1.65e-06	0.0	30.0	-3.01	0.28	-0.22	2.86e-04	0.09	0.60
331	98	0.62	0.01	-9.72e-06	-0.09	0.0	-3.40	0.47	0.07	3.57e-04	-6.49e-03	0.49
		0.49	-6.49e-03	2.25e-06	0.0	30.0	-3.40	0.37	0.07	3.57e-04	0.01	0.62
331	101	0.61	0.01	-9.75e-06	-0.09	0.0	-3.34	0.46	0.07	3.56e-04	-6.35e-03	0.49
		0.49	-6.35e-03	2.24e-06	0.0	30.0	-3.34	0.37	0.07	3.56e-04	0.01	0.61
331	102	0.60	1.77e-03	-8.90e-06	-0.09	0.0	-2.54	0.37	0.08	2.59e-04	-0.02	0.50
		0.50	-0.02	1.76e-06	0.0	30.0	-2.54	0.28	0.08	2.59e-04	1.77e-03	0.60
331	103	0.62	4.43e-03	-9.57e-06	-0.09	0.0	-3.22	0.45	0.09	3.36e-04	-0.02	0.49
		0.49	-0.02	2.13e-06	0.0	30.0	-3.22	0.36	0.09	3.36e-04	4.43e-03	0.62
331	105	0.61	0.03	-9.69e-06	-0.09	0.0	-3.37	0.45	0.01	3.48e-04	0.03	0.49
		0.49	0.03	2.15e-06	0.0	30.0	-3.37	0.36	0.01	3.48e-04	0.03	0.61
331	106	0.60	0.01	-8.95e-06	-0.09	0.0	-2.61	0.37	0.05	2.67e-04	-4.96e-03	0.50
		0.50	-4.96e-03	1.82e-06	0.0	30.0	-2.61	0.28	0.05	2.67e-04	0.01	0.60
331	107	0.61	0.01	-9.61e-06	-0.09	0.0	-3.29	0.45	0.06	3.44e-04	-6.27e-03	0.49
		0.49	-6.27e-03	2.19e-06	0.0	30.0	-3.29	0.36	0.06	3.44e-04	0.01	0.61
331	112	0.03	-7.42e-05	-2.32e-05	-0.09	0.0	-1.51	4.86	0.17	-5.66e-03	-0.03	-1.40
		-1.40	-0.03	1.55e-04	0.0	30.0	-1.51	4.76	0.17	-5.66e-03	-7.42e-05	0.03
331	115	2.39	0.03	4.02e-06	-0.09	0.0	-5.07	-3.95	-0.04	6.35e-03	0.02	2.39
		1.20	0.02	-1.51e-04	0.0	30.0	-5.07	-4.05	-0.04	6.35e-03	0.03	1.20
331	128	0.64	-0.04	-1.95e-05	-0.09	0.0	-0.44	0.27	0.29	-9.22e-04	-0.12	0.56
		0.56	-0.12	2.27e-05	0.0	30.0	-0.44	0.18	0.29	-9.22e-04	-0.04	0.64

331	131	0.59	0.11	0.0	-0.09	0.0	-6.14	0.64	-0.16	1.61e-03	0.11	0.43
		0.43	0.06	-1.83e-05	0.0	30.0	-6.14	0.54	-0.16	1.61e-03	0.06	0.59
331	133	0.67	0.12	-2.11e-05	-0.09	0.0	-4.84	0.33	-0.16	-4.99e-03	0.12	0.56
		0.56	0.07	2.05e-05	0.0	30.0	-4.84	0.24	-0.16	-4.99e-03	0.07	0.67
331	134	0.56	-0.04	1.85e-06	-0.09	0.0	-1.74	0.57	0.29	5.68e-03	-0.13	0.42
		0.42	-0.13	-1.62e-05	0.0	30.0	-1.74	0.48	0.29	5.68e-03	-0.04	0.56
331	144	-0.04	-1.71e-03	-2.50e-05	-0.09	0.0	-1.29	5.42	0.18	-6.41e-03	-0.04	-1.64
		-1.64	-0.04	1.75e-04	0.0	30.0	-1.29	5.32	0.18	-6.41e-03	-1.71e-03	-0.04
331	147	2.63	0.03	5.75e-06	-0.09	0.0	-5.29	-4.51	-0.05	7.10e-03	0.02	2.63
		1.27	0.02	-1.70e-04	0.0	30.0	-5.29	-4.61	-0.05	7.10e-03	0.03	1.27
331	160	0.65	-0.04	-2.08e-05	-0.09	0.0	-0.08	0.25	0.31	-1.08e-03	-0.13	0.57
		0.57	-0.13	2.53e-05	0.0	30.0	-0.08	0.16	0.31	-1.08e-03	-0.04	0.65
331	163	0.58	0.12	1.59e-06	-0.09	0.0	-6.50	0.66	-0.19	1.77e-03	0.12	0.42
		0.42	0.07	-2.09e-05	0.0	30.0	-6.50	0.56	-0.19	1.77e-03	0.07	0.58
331	165	0.68	0.13	-2.25e-05	-0.09	0.0	-5.04	0.31	-0.19	-5.66e-03	0.13	0.57
		0.57	0.07	2.26e-05	0.0	30.0	-5.04	0.22	-0.19	-5.66e-03	0.07	0.68
331	166	0.55	-0.05	3.28e-06	-0.09	0.0	-1.55	0.59	0.32	6.35e-03	-0.15	0.41
		0.41	-0.15	-1.82e-05	0.0	30.0	-1.55	0.50	0.32	6.35e-03	-0.05	0.55
331	176	-0.05	-1.56e-03	-2.51e-05	-0.09	0.0	-1.29	5.44	0.18	-6.11e-03	-0.04	-1.65
		-1.65	-0.04	1.74e-04	0.0	30.0	-1.29	5.35	0.18	-6.11e-03	-1.56e-03	-0.05
331	179	2.64	0.03	5.89e-06	-0.09	0.0	-5.29	-4.53	-0.05	6.79e-03	0.02	2.64
		1.28	0.02	-1.69e-04	0.0	30.0	-5.29	-4.63	-0.05	6.79e-03	0.03	1.28
331	192	0.65	-0.04	-2.09e-05	-0.09	0.0	-0.12	0.27	0.31	-1.04e-03	-0.13	0.56
		0.56	-0.13	2.40e-05	0.0	30.0	-0.12	0.18	0.31	-1.04e-03	-0.04	0.65
331	195	0.58	0.12	1.71e-06	-0.09	0.0	-6.46	0.64	-0.18	1.73e-03	0.12	0.42
		0.42	0.07	-1.97e-05	0.0	30.0	-6.46	0.54	-0.18	1.73e-03	0.07	0.58
331	197	0.68	0.13	-2.25e-05	-0.09	0.0	-5.01	0.28	-0.18	-5.47e-03	0.13	0.58
		0.58	0.07	1.96e-05	0.0	30.0	-5.01	0.19	-0.18	-5.47e-03	0.07	0.68
331	198	0.55	-0.04	3.24e-06	-0.09	0.0	-1.57	0.63	0.31	6.16e-03	-0.14	0.40
		0.40	-0.14	-1.52e-05	0.0	30.0	-1.57	0.53	0.31	6.16e-03	-0.04	0.55
331	216	-0.17	-4.08e-03	-2.19e-05	-0.09	0.0	-0.54	6.37	0.19	0.01	-0.04	-2.06
		-2.06	-0.04	2.35e-04	0.0	30.0	-0.54	6.28	0.19	0.01	-4.08e-03	-0.17
331	219	3.04	0.03	2.68e-06	-0.09	0.0	-6.04	-5.47	-0.07	-0.01	0.03	3.04
		1.40	0.03	-2.31e-04	0.0	30.0	-6.04	-5.56	-0.07	-0.01	0.03	1.40
331	224	0.65	-0.05	-2.30e-05	-0.09	0.0	0.40	0.26	0.35	-1.24e-03	-0.15	0.57
		0.57	-0.15	2.82e-05	0.0	30.0	0.40	0.17	0.35	-1.24e-03	-0.05	0.65
331	227	0.58	0.14	3.74e-06	-0.09	0.0	-6.99	0.65	-0.22	1.93e-03	0.14	0.42
		0.42	0.08	-2.38e-05	0.0	30.0	-6.99	0.55	-0.22	1.93e-03	0.08	0.58
331	229	0.69	0.15	-2.46e-05	-0.09	0.0	-5.29	0.23	-0.22	-6.42e-03	0.15	0.61
		0.61	0.08	2.10e-05	0.0	30.0	-5.29	0.13	-0.22	-6.42e-03	0.08	0.69
331	230	0.54	-0.05	5.39e-06	-0.09	0.0	-1.29	0.68	0.35	7.11e-03	-0.17	0.38
		0.38	-0.17	-1.66e-05	0.0	30.0	-1.29	0.59	0.35	7.11e-03	-0.05	0.54
332	4	1.04	-0.02	-8.53e-06	-0.12	0.0	-3.73	0.83	-0.23	5.62e-04	-0.02	0.81
		0.81	-0.09	5.38e-06	0.0	30.0	-3.73	0.70	-0.23	5.62e-04	-0.09	1.04
332	18	1.01	-0.04	-7.84e-06	-0.12	0.0	-3.23	0.75	-0.32	4.80e-04	-0.04	0.80
		0.80	-0.14	4.65e-06	0.0	30.0	-3.23	0.62	-0.32	4.80e-04	-0.14	1.01
332	19	0.71	-0.05	-4.22e-06	-0.09	0.0	-1.53	0.38	-0.28	1.93e-04	-0.05	0.61
		0.61	-0.14	2.17e-06	0.0	30.0	-1.53	0.29	-0.28	1.93e-04	-0.14	0.71
332	28	1.04	0.16	-9.18e-06	-0.12	0.0	-4.15	0.84	0.20	6.16e-04	0.10	0.80
		0.80	0.10	5.75e-06	0.0	30.0	-4.15	0.72	0.20	6.16e-04	0.16	1.04
332	36	0.71	0.16	-6.39e-06	-0.09	0.0	-2.38	0.48	0.25	3.60e-04	0.09	0.58
		0.58	0.09	3.36e-06	0.0	30.0	-2.38	0.38	0.25	3.60e-04	0.16	0.71
332	45	0.70	0.27	-5.31e-06	-0.09	0.0	-2.24	0.41	0.45	2.83e-04	0.14	0.59
		0.59	0.14	2.77e-06	0.0	30.0	-2.24	0.31	0.45	2.83e-04	0.27	0.70
332	68	0.79	-0.01	-6.23e-06	-0.09	0.0	-2.70	0.59	-0.16	4.02e-04	-0.01	0.62
		0.62	-0.06	3.90e-06	0.0	30.0	-2.70	0.50	-0.16	4.02e-04	-0.06	0.79
332	72	0.71	-0.03	-4.51e-06	-0.09	0.0	-1.72	0.40	-0.20	2.26e-04	-0.03	0.61
		0.61	-0.09	2.47e-06	0.0	30.0	-1.72	0.31	-0.20	2.26e-04	-0.09	0.71
332	75	0.76	-0.03	-5.77e-06	-0.09	0.0	-2.37	0.54	-0.22	3.47e-04	-0.03	0.62
		0.62	-0.09	3.41e-06	0.0	30.0	-2.37	0.45	-0.22	3.47e-04	-0.09	0.76
332	80	0.78	0.11	-6.66e-06	-0.09	0.0	-2.98	0.60	0.13	4.38e-04	0.07	0.62
		0.62	0.07	4.15e-06	0.0	30.0	-2.98	0.51	0.13	4.38e-04	0.11	0.78
332	81	0.71	0.11	-5.95e-06	-0.09	0.0	-2.29	0.46	0.15	3.38e-04	0.06	0.59
		0.59	0.06	3.27e-06	0.0	30.0	-2.29	0.37	0.15	3.38e-04	0.11	0.71
332	85	0.71	0.18	-5.23e-06	-0.09	0.0	-2.20	0.42	0.28	2.86e-04	0.09	0.60
		0.60	0.09	2.88e-06	0.0	30.0	-2.20	0.32	0.28	2.86e-04	0.18	0.71
332	98	0.76	0.01	-5.60e-06	-0.09	0.0	-2.52	0.53	-0.06	3.57e-04	0.01	0.62
		0.62	-3.37e-03	3.64e-06	0.0	30.0	-2.52	0.43	-0.06	3.57e-04	-3.37e-03	0.76
332	99	0.71	0.01	-4.97e-06	-0.09	0.0	-2.00	0.42	-0.04	2.79e-04	0.01	0.60
		0.60	-2.59e-03	2.97e-06	0.0	30.0	-2.00	0.33	-0.04	2.79e-04	-2.59e-03	0.71
332	102	0.71	1.77e-03	-4.73e-06	-0.09	0.0	-1.92	0.41	-0.07	2.59e-04	1.77e-03	0.60
		0.60	-0.02	2.81e-06	0.0	30.0	-1.92	0.32	-0.07	2.59e-04	-0.02	0.71
332	103	0.75	4.43e-03	-5.43e-06	-0.09	0.0	-2.39	0.51	-0.09	3.36e-04	4.43e-03	0.62
		0.62	-0.02	3.45e-06	0.0	30.0	-2.39	0.41	-0.09	3.36e-04	-0.02	0.75
332	104	0.71	0.03	-4.88e-06	-0.09	0.0	-2.01	0.41	0.02	2.71e-04	0.03	0.60

		0.60	0.03	2.89e-06	0.0	30.0	-2.01	0.32	0.02	2.71e-04	0.03	0.71
332	106	0.71	0.01	-4.79e-06	-0.09	0.0	-1.97	0.41	-0.04	2.67e-04	0.01	0.60
		0.60	-2.53e-03	2.89e-06	0.0	30.0	-1.97	0.32	-0.04	2.67e-04	-2.53e-03	0.71
332	107	0.75	0.01	-5.49e-06	-0.09	0.0	-2.44	0.51	-0.05	3.44e-04	0.01	0.61
		0.61	-3.25e-03	3.53e-06	0.0	30.0	-2.44	0.42	-0.05	3.44e-04	-3.25e-03	0.75
332	109	1.69	0.03	-2.77e-05	-0.09	0.0	-4.01	5.46	-5.20e-03	-5.60e-03	0.03	0.04
		0.04	0.03	2.12e-04	0.0	30.0	-4.01	5.37	-5.20e-03	-5.60e-03	0.03	1.69
332	110	1.19	-5.05e-03	1.67e-05	-0.09	0.0	-0.87	-4.44	-0.10	6.29e-03	-5.05e-03	1.19
		-0.18	-0.03	-2.05e-04	0.0	30.0	-0.87	-4.54	-0.10	6.29e-03	-0.03	-0.18
332	124	0.71	-0.04	-1.93e-05	-0.09	0.0	-1.51	0.39	-0.32	-5.20e-03	-0.04	0.63
		0.63	-0.14	3.66e-05	0.0	30.0	-1.51	0.29	-0.32	-5.20e-03	-0.14	0.71
332	127	0.80	0.13	8.37e-06	-0.09	0.0	-3.37	0.63	0.21	5.89e-03	0.06	0.60
		0.60	0.06	-2.95e-05	0.0	30.0	-3.37	0.54	0.21	5.89e-03	0.13	0.80
332	137	0.70	0.12	-1.91e-05	-0.09	0.0	-4.71	0.30	0.17	-7.12e-04	0.07	0.68
		0.68	0.07	3.55e-05	0.0	30.0	-4.71	0.20	0.17	-7.12e-04	0.12	0.70
332	138	0.81	-0.04	8.10e-06	-0.09	0.0	-0.16	0.72	-0.27	1.40e-03	-0.04	0.55
		0.55	-0.13	-2.84e-05	0.0	30.0	-0.16	0.63	-0.27	1.40e-03	-0.13	0.81
332	141	1.80	0.03	-3.05e-05	-0.09	0.0	-4.21	6.09	8.88e-04	-6.34e-03	0.03	-0.03
		-0.03	0.03	2.38e-04	0.0	30.0	-4.21	6.00	8.88e-04	-6.34e-03	0.03	1.80
332	142	1.26	-7.27e-03	1.95e-05	-0.09	0.0	-0.67	-5.07	-0.11	7.03e-03	-7.27e-03	1.26
		-0.30	-0.04	-2.31e-04	0.0	30.0	-0.67	-5.16	-0.11	7.03e-03	-0.04	-0.30
332	156	0.70	-0.04	-2.11e-05	-0.09	0.0	-1.39	0.37	-0.35	-5.90e-03	-0.04	0.64
		0.64	-0.15	4.04e-05	0.0	30.0	-1.39	0.27	-0.35	-5.90e-03	-0.15	0.70
332	159	0.81	0.15	1.01e-05	-0.09	0.0	-3.48	0.65	0.25	6.59e-03	0.07	0.59
		0.59	0.07	-3.34e-05	0.0	30.0	-3.48	0.56	0.25	6.59e-03	0.15	0.81
332	169	0.69	0.13	-2.08e-05	-0.09	0.0	-5.00	0.27	0.19	-8.46e-04	0.07	0.69
		0.69	0.07	3.93e-05	0.0	30.0	-5.00	0.17	0.19	-8.46e-04	0.13	0.69
332	170	0.81	-0.05	9.82e-06	-0.09	0.0	0.12	0.75	-0.30	1.53e-03	-0.05	0.54
		0.54	-0.14	-3.23e-05	0.0	30.0	0.12	0.66	-0.30	1.53e-03	-0.14	0.81
332	173	1.80	0.03	-3.07e-05	-0.09	0.0	-4.19	6.11	1.32e-03	-6.03e-03	0.03	-0.04
		-0.04	0.03	2.33e-04	0.0	30.0	-4.19	6.02	1.32e-03	-6.03e-03	0.03	1.80
332	174	1.27	-6.77e-03	1.97e-05	-0.09	0.0	-0.69	-5.09	-0.11	6.72e-03	-6.77e-03	1.27
		-0.29	-0.04	-2.26e-04	0.0	30.0	-0.69	-5.19	-0.11	6.72e-03	-0.04	-0.29
332	188	0.70	-0.04	-2.10e-05	-0.09	0.0	-1.41	0.34	-0.35	-5.72e-03	-0.04	0.64
		0.64	-0.15	3.64e-05	0.0	30.0	-1.41	0.24	-0.35	-5.72e-03	-0.15	0.70
332	191	0.81	0.14	1.00e-05	-0.09	0.0	-3.47	0.68	0.24	6.41e-03	0.07	0.59
		0.59	0.07	-2.94e-05	0.0	30.0	-3.47	0.59	0.24	6.41e-03	0.14	0.81
332	201	0.69	0.13	-2.08e-05	-0.09	0.0	-4.97	0.28	0.19	-8.01e-04	0.07	0.68
		0.68	0.07	3.69e-05	0.0	30.0	-4.97	0.19	0.19	-8.01e-04	0.13	0.69
332	202	0.81	-0.04	9.84e-06	-0.09	0.0	0.09	0.74	-0.30	1.49e-03	-0.04	0.55
		0.55	-0.14	-2.99e-05	0.0	30.0	0.09	0.64	-0.30	1.49e-03	-0.14	0.81
332	216	1.99	-4.08e-03	-2.85e-05	-0.09	0.0	-3.56	7.17	-0.18	0.01	-4.08e-03	-0.17
		-0.17	-0.04	2.72e-04	0.0	30.0	-3.56	7.08	-0.18	0.01	-0.04	1.99
332	219	1.40	0.03	1.75e-05	-0.09	0.0	-1.31	-6.15	0.07	-0.01	0.03	1.40
		-0.49	0.03	-2.65e-04	0.0	30.0	-1.31	-6.25	0.07	-0.01	0.03	-0.49
332	220	0.69	-0.05	-2.36e-05	-0.09	0.0	-1.24	0.29	-0.40	-6.70e-03	-0.05	0.65
		0.65	-0.17	4.00e-05	0.0	30.0	-1.24	0.19	-0.40	-6.70e-03	-0.17	0.69
332	223	0.82	0.17	1.26e-05	-0.09	0.0	-3.64	0.73	0.29	7.39e-03	0.08	0.58
		0.58	0.08	-3.29e-05	0.0	30.0	-3.64	0.64	0.29	7.39e-03	0.17	0.82
332	233	0.69	0.15	-2.35e-05	-0.09	0.0	-5.39	0.26	0.23	-9.58e-04	0.08	0.69
		0.69	0.08	4.25e-05	0.0	30.0	-5.39	0.17	0.23	-9.58e-04	0.15	0.69
332	234	0.82	-0.05	1.25e-05	-0.09	0.0	0.52	0.76	-0.33	1.65e-03	-0.05	0.54
		0.54	-0.16	-3.54e-05	0.0	30.0	0.52	0.66	-0.33	1.65e-03	-0.16	0.82
333	4	1.04	0.05	2.13e-05	-0.24	0.0	-5.17	-0.04	0.23	5.63e-04	-0.09	1.04
		0.95	-0.09	-4.07e-06	0.0	60.0	-5.17	-0.28	0.23	5.63e-04	0.05	0.95
333	19	0.71	0.09	1.45e-05	-0.19	0.0	-2.40	-5.30e-03	0.39	1.93e-04	-0.14	0.71
		0.65	-0.14	-1.81e-05	0.0	60.0	-2.40	-0.19	0.39	1.93e-04	0.09	0.65
333	28	1.04	0.16	2.00e-05	-0.24	0.0	-5.50	-0.02	-0.46	6.16e-04	0.16	1.04
		0.95	-0.12	3.56e-05	0.0	60.0	-5.50	-0.27	-0.46	6.16e-04	-0.12	0.95
333	44	1.00	0.27	1.84e-05	-0.24	0.0	-5.15	-0.01	-0.77	5.70e-04	0.27	1.00
		0.92	-0.20	5.21e-05	0.0	60.0	-5.15	-0.26	-0.77	5.70e-04	-0.20	0.92
333	45	0.70	0.27	1.23e-05	-0.19	0.0	-2.94	0.01	-0.77	2.83e-04	0.27	0.70
		0.65	-0.19	4.79e-05	0.0	60.0	-2.94	-0.18	-0.77	2.83e-04	-0.19	0.65
333	68	0.79	0.04	1.59e-05	-0.19	0.0	-3.76	-0.02	0.16	4.02e-04	-0.06	0.79
		0.72	-0.06	-2.17e-06	0.0	60.0	-3.76	-0.21	0.16	4.02e-04	0.04	0.72
333	72	0.71	0.06	1.43e-05	-0.19	0.0	-2.59	-3.81e-03	0.26	2.26e-04	-0.09	0.71
		0.65	-0.09	-1.03e-05	0.0	60.0	-2.59	-0.19	0.26	2.26e-04	0.06	0.65
333	80	0.78	0.11	1.51e-05	-0.19	0.0	-3.98	-0.02	-0.31	4.38e-04	0.11	0.78
		0.72	-0.08	2.42e-05	0.0	60.0	-3.98	-0.20	-0.31	4.38e-04	-0.08	0.72
333	85	0.71	0.18	1.28e-05	-0.19	0.0	-2.95	8.32e-03	-0.52	2.86e-04	0.18	0.71
		0.66	-0.13	3.37e-05	0.0	60.0	-2.95	-0.18	-0.52	2.86e-04	-0.13	0.66
333	88	0.76	0.18	1.40e-05	-0.19	0.0	-3.74	-5.80e-03	-0.52	4.07e-04	0.18	0.76
		0.70	-0.13	3.52e-05	0.0	60.0	-3.74	-0.19	-0.52	4.07e-04	-0.13	0.70
333	98	0.76	-2.82e-03	1.54e-05	-0.19	0.0	-3.48	-0.01	9.05e-04	3.57e-04	-3.37e-03	0.76
		0.70	-3.37e-03	6.11e-06	0.0	60.0	-3.48	-0.20	9.05e-04	3.57e-04	-2.82e-03	0.70

333	102	0.71	0.01	1.38e-05	-0.19	0.0	-2.75	9.98e-04	0.05	2.59e-04	-0.02	0.71
		0.65	-0.02	1.85e-06	0.0	60.0	-2.75	-0.19	0.05	2.59e-04	0.01	0.65
333	104	0.71	0.03	1.36e-05	-0.19	0.0	-2.82	3.42e-03	-0.10	2.71e-04	0.03	0.71
		0.65	-0.03	1.07e-05	0.0	60.0	-2.82	-0.18	-0.10	2.71e-04	-0.03	0.65
333	105	0.75	0.03	1.50e-05	-0.19	0.0	-3.41	-0.01	-0.10	3.48e-04	0.03	0.75
		0.69	-0.03	1.17e-05	0.0	60.0	-3.41	-0.20	-0.10	3.48e-04	-0.03	0.69
333	106	0.61	-2.19e-03	1.37e-05	-0.19	0.0	-2.79	2.20e-03	5.67e-04	2.67e-04	-2.53e-03	0.71
		0.65	-2.53e-03	4.89e-06	0.0	60.0	-2.79	-0.19	5.67e-04	2.67e-04	-2.19e-03	0.65
333	107	0.75	-2.73e-03	1.52e-05	-0.19	0.0	-3.38	-0.01	8.57e-04	3.44e-04	-3.25e-03	0.75
		0.69	-3.25e-03	5.93e-06	0.0	60.0	-3.38	-0.20	8.57e-04	3.44e-04	-2.73e-03	0.69
333	109	1.69	0.03	6.17e-05	-0.19	0.0	-6.51	-0.37	-0.13	-5.60e-03	0.03	1.69
		1.35	-0.03	3.56e-04	0.0	60.0	-6.51	-0.56	-0.13	-5.60e-03	-0.03	1.35
333	110	0.03	0.02	-3.14e-05	-0.19	0.0	-0.24	0.35	0.13	6.29e-03	-0.03	-0.18
		-0.18	-0.03	-3.44e-04	0.0	60.0	-0.24	0.16	0.13	6.29e-03	0.02	0.03
333	113	1.51	0.02	5.52e-05	-0.19	0.0	-6.57	-0.37	-0.12	-7.61e-03	0.02	1.51
		1.23	-0.03	3.24e-04	0.0	60.0	-6.57	-0.56	-0.12	-7.61e-03	-0.03	1.23
333	114	0.15	0.02	-2.49e-05	-0.19	0.0	-0.19	0.35	0.12	8.30e-03	-0.03	-1.33e-03
		-1.33e-03	-0.03	-3.12e-04	0.0	60.0	-0.19	0.16	0.12	8.30e-03	0.02	0.15
333	124	0.71	0.07	2.49e-05	-0.19	0.0	-2.77	-0.29	0.33	-5.20e-03	-0.14	0.71
		0.66	-0.14	2.83e-05	0.0	60.0	-2.77	-0.48	0.33	-5.20e-03	0.07	0.66
333	127	0.80	0.13	5.37e-06	-0.19	0.0	-3.98	0.26	-0.33	5.89e-03	0.13	0.80
		0.72	-0.07	-1.64e-05	0.0	60.0	-3.98	0.08	-0.33	5.89e-03	-0.07	0.72
333	141	1.80	0.03	6.76e-05	-0.19	0.0	-6.91	-0.42	-0.14	-6.34e-03	0.03	1.80
		1.43	-0.03	4.00e-04	0.0	60.0	-6.91	-0.61	-0.14	-6.34e-03	-0.03	1.43
333	142	-0.05	0.03	-3.73e-05	-0.19	0.0	0.16	0.39	0.14	7.03e-03	-0.04	-0.30
		-0.30	-0.04	-3.89e-04	0.0	60.0	0.16	0.21	0.14	7.03e-03	0.03	-0.05
333	145	1.60	0.03	6.02e-05	-0.19	0.0	-6.97	-0.42	-0.13	-8.60e-03	0.03	1.60
		1.29	-0.03	3.64e-04	0.0	60.0	-6.97	-0.61	-0.13	-8.60e-03	-0.03	1.29
333	146	0.09	0.03	-2.99e-05	-0.19	0.0	0.21	0.40	0.13	9.29e-03	-0.03	-0.10
		-0.10	-0.03	-3.52e-04	0.0	60.0	0.21	0.21	0.13	9.29e-03	0.03	0.09
333	156	0.70	0.08	2.61e-05	-0.19	0.0	-2.69	-0.32	0.37	-5.90e-03	-0.15	0.70
		0.66	-0.15	3.06e-05	0.0	60.0	-2.69	-0.51	0.37	-5.90e-03	0.08	0.66
333	159	0.81	0.15	4.20e-06	-0.19	0.0	-4.06	0.30	-0.37	6.59e-03	0.15	0.81
		0.72	-0.08	-1.88e-05	0.0	60.0	-4.06	0.11	-0.37	6.59e-03	-0.08	0.72
333	173	1.80	0.03	6.88e-05	-0.19	0.0	-6.91	-0.42	-0.14	-6.03e-03	0.03	1.80
		1.43	-0.03	3.96e-04	0.0	60.0	-6.91	-0.61	-0.14	-6.03e-03	-0.03	1.43
333	174	-0.05	0.03	-3.85e-05	-0.19	0.0	0.15	0.39	0.14	6.72e-03	-0.04	-0.29
		-0.29	-0.04	-3.84e-04	0.0	60.0	0.15	0.21	0.14	6.72e-03	0.03	-0.05
333	177	1.60	0.03	6.10e-05	-0.19	0.0	-6.95	-0.42	-0.13	-8.24e-03	0.03	1.60
		1.29	-0.03	3.56e-04	0.0	60.0	-6.95	-0.61	-0.13	-8.24e-03	-0.03	1.29
333	178	0.09	0.03	-3.06e-05	-0.19	0.0	0.20	0.39	0.13	8.93e-03	-0.03	-0.09
		-0.09	-0.03	-3.44e-04	0.0	60.0	0.20	0.21	0.13	8.93e-03	0.03	0.09
333	188	0.70	0.08	2.55e-05	-0.19	0.0	-2.68	-0.32	0.36	-5.72e-03	-0.15	0.70
		0.66	-0.15	2.42e-05	0.0	60.0	-2.68	-0.51	0.36	-5.72e-03	0.08	0.66
333	191	0.81	0.14	4.80e-06	-0.19	0.0	-4.08	0.30	-0.36	6.41e-03	0.14	0.81
		0.72	-0.08	-1.23e-05	0.0	60.0	-4.08	0.11	-0.36	6.41e-03	-0.08	0.72
333	209	1.75	0.03	6.94e-05	-0.19	0.0	-7.58	-0.49	-0.15	-9.56e-03	0.03	1.75
		1.40	-0.04	4.14e-04	0.0	60.0	-7.58	-0.68	-0.15	-9.56e-03	-0.04	1.40
333	210	-0.02	0.03	-3.91e-05	-0.19	0.0	0.82	0.47	0.15	0.01	-0.04	-0.24
		-0.24	-0.04	-4.02e-04	0.0	60.0	0.82	0.28	0.15	0.01	0.03	-0.02
333	216	1.99	0.02	9.99e-05	-0.19	0.0	-6.05	-0.61	0.09	0.01	-0.04	1.99
		1.57	-0.04	4.97e-04	0.0	60.0	-6.05	-0.80	0.09	0.01	0.02	1.57
333	219	-0.19	0.03	-6.96e-05	-0.19	0.0	-0.70	0.59	-0.09	-0.01	0.03	-0.49
		-0.49	-0.02	-4.85e-04	0.0	60.0	-0.70	0.40	-0.09	-0.01	-0.02	-0.19
333	220	0.69	0.09	2.70e-05	-0.19	0.0	-2.55	-0.38	0.42	-6.70e-03	-0.17	0.69
		0.65	-0.17	2.40e-05	0.0	60.0	-2.55	-0.56	0.42	-6.70e-03	0.09	0.65
333	223	0.82	0.17	3.32e-06	-0.19	0.0	-4.21	0.35	-0.42	7.39e-03	0.17	0.82
		0.73	-0.09	-1.21e-05	0.0	60.0	-4.21	0.16	-0.42	7.39e-03	-0.09	0.73
334	14	0.31	-0.03	8.26e-05	-0.19	0.0	-1.84	-0.29	0.05	4.42e-04	-0.06	0.31
		0.08	-0.06	3.84e-06	0.0	60.0	-1.84	-0.48	0.05	4.42e-04	-0.03	0.08
334	18	0.42	-0.03	1.08e-04	-0.24	0.0	-1.93	-0.34	0.10	4.80e-04	-0.09	0.42
		0.15	-0.09	4.31e-06	0.0	60.0	-1.93	-0.58	0.10	4.80e-04	-0.03	0.15
334	19	0.33	-0.02	7.78e-05	-0.19	0.0	-0.48	-0.21	0.12	1.93e-04	-0.09	0.33
		0.15	-0.09	2.36e-06	0.0	60.0	-0.48	-0.40	0.12	1.93e-04	-0.02	0.15
334	27	0.45	0.10	1.11e-04	-0.24	0.0	-2.75	-0.33	-0.22	5.72e-04	0.10	0.45
		0.18	-0.03	4.73e-06	0.0	60.0	-2.75	-0.57	-0.22	5.72e-04	-0.03	0.18
334	28	0.44	0.10	1.10e-04	-0.24	0.0	-2.94	-0.36	-0.22	6.16e-04	0.10	0.44
		0.15	-0.04	5.00e-06	0.0	60.0	-2.94	-0.60	-0.22	6.16e-04	-0.04	0.15
334	45	0.34	0.17	7.72e-05	-0.19	0.0	-1.31	-0.22	-0.31	2.83e-04	0.17	0.34
		0.15	-0.02	2.03e-06	0.0	60.0	-1.31	-0.41	-0.31	2.83e-04	-0.02	0.15
334	71	0.32	-0.02	8.13e-05	-0.19	0.0	-1.60	-0.27	0.02	3.93e-04	-0.04	0.32
		0.10	-0.04	3.59e-06	0.0	60.0	-1.60	-0.46	0.02	3.93e-04	-0.02	0.10
334	72	0.33	-0.02	7.81e-05	-0.19	0.0	-0.70	-0.22	0.07	2.26e-04	-0.06	0.33
		0.15	-0.06	2.42e-06	0.0	60.0	-0.70	-0.40	0.07	2.26e-04	-0.02	0.15
334	75	0.33	-0.02	8.19e-05	-0.19	0.0	-1.37	-0.25	0.06	3.47e-04	-0.06	0.33

		0.12	-0.06	3.19e-06	0.0	60.0	-1.37	-0.44	0.06	3.47e-04	-0.02	0.12
334	79	0.35	0.06	8.39e-05	-0.19	0.0	-1.92	-0.24	-0.15	4.08e-04	0.06	0.35
		0.14	-0.02	3.48e-06	0.0	60.0	-1.92	-0.43	-0.15	4.08e-04	-0.02	0.14
334	80	0.34	0.06	8.34e-05	-0.19	0.0	-2.04	-0.26	-0.15	4.38e-04	0.06	0.34
		0.12	-0.03	3.67e-06	0.0	60.0	-2.04	-0.45	-0.15	4.38e-04	-0.03	0.12
334	85	0.34	0.11	7.77e-05	-0.19	0.0	-1.25	-0.22	-0.22	2.86e-04	0.11	0.34
		0.15	-0.02	2.38e-06	0.0	60.0	-1.25	-0.41	-0.22	2.86e-04	-0.02	0.15
334	98	0.34	-3.74e-03	8.23e-05	-0.19	0.0	-1.52	-0.23	-0.03	3.57e-04	-3.74e-03	0.34
		0.14	-0.02	3.54e-06	0.0	60.0	-1.52	-0.42	-0.03	3.57e-04	-0.02	0.14
334	101	0.34	-3.63e-03	8.14e-05	-0.19	0.0	-1.49	-0.24	-0.03	3.56e-04	-3.63e-03	0.34
		0.14	-0.02	3.52e-06	0.0	60.0	-1.49	-0.43	-0.03	3.56e-04	-0.02	0.14
334	102	0.33	-0.01	7.80e-05	-0.19	0.0	-0.92	-0.22	-5.61e-03	2.59e-04	-0.01	0.33
		0.15	-0.02	2.81e-06	0.0	60.0	-0.92	-0.41	-5.61e-03	2.59e-04	-0.02	0.15
334	104	0.34	0.02	7.79e-05	-0.19	0.0	-1.03	-0.22	-0.06	2.71e-04	0.02	0.34
		0.15	-0.02	2.81e-06	0.0	60.0	-1.03	-0.41	-0.06	2.71e-04	-0.02	0.15
334	105	0.34	0.02	8.16e-05	-0.19	0.0	-1.50	-0.23	-0.07	3.48e-04	0.02	0.34
		0.14	-0.02	3.34e-06	0.0	60.0	-1.50	-0.42	-0.07	3.48e-04	-0.02	0.14
334	106	0.33	-2.75e-03	7.80e-05	-0.19	0.0	-0.98	-0.22	-0.02	2.67e-04	-2.75e-03	0.33
		0.15	-0.02	2.91e-06	0.0	60.0	-0.98	-0.41	-0.02	2.67e-04	-0.02	0.15
334	107	0.34	-3.60e-03	8.16e-05	-0.19	0.0	-1.44	-0.23	-0.03	3.44e-04	-3.60e-03	0.34
		0.14	-0.02	3.45e-06	0.0	60.0	-1.44	-0.42	-0.03	3.44e-04	-0.02	0.14
334	112	0.27	-0.03	4.44e-05	-0.19	0.0	0.19	-0.36	-0.01	-5.66e-03	-0.04	0.27
		-0.02	-0.04	3.47e-04	0.0	60.0	0.19	-0.55	-0.01	-5.66e-03	-0.03	-0.02
334	115	0.41	0.03	1.19e-04	-0.19	0.0	-3.08	-0.10	-0.05	6.35e-03	0.03	0.41
		0.31	-0.01	-3.40e-04	0.0	60.0	-3.08	-0.29	-0.05	6.35e-03	-0.01	0.31
334	124	0.29	-0.04	6.66e-05	-0.19	0.0	1.08	-0.23	0.10	-5.20e-03	-0.11	0.29
		0.15	-0.11	3.93e-05	0.0	60.0	1.08	-0.41	0.10	-5.20e-03	-0.04	0.15
334	127	0.39	0.10	9.67e-05	-0.19	0.0	-3.96	-0.24	-0.16	5.89e-03	0.10	0.39
		0.14	-3.77e-03	-3.24e-05	0.0	60.0	-3.96	-0.43	-0.16	5.89e-03	-3.77e-03	0.14
334	128	0.29	-0.04	6.13e-05	-0.19	0.0	1.09	-0.22	0.10	-9.22e-04	-0.10	0.29
		0.16	-0.10	4.39e-05	0.0	60.0	1.09	-0.41	0.10	-9.22e-04	-0.04	0.16
334	131	0.39	0.09	1.02e-04	-0.19	0.0	-3.97	-0.24	-0.16	1.61e-03	0.09	0.39
		0.13	-4.11e-03	-3.70e-05	0.0	60.0	-3.97	-0.43	-0.16	1.61e-03	-4.11e-03	0.13
334	144	0.26	-0.03	3.96e-05	-0.19	0.0	0.40	-0.38	-7.63e-03	-6.41e-03	-0.05	0.26
		-0.04	-0.05	3.91e-04	0.0	60.0	0.40	-0.57	-7.63e-03	-6.41e-03	-0.03	-0.04
334	147	0.42	0.04	1.24e-04	-0.19	0.0	-3.28	-0.08	-0.05	7.10e-03	0.04	0.42
		0.33	-0.01	-3.84e-04	0.0	60.0	-3.28	-0.27	-0.05	7.10e-03	-0.01	0.33
334	156	0.28	-0.04	6.45e-05	-0.19	0.0	1.39	-0.23	0.12	-5.90e-03	-0.12	0.28
		0.15	-0.12	4.33e-05	0.0	60.0	1.39	-0.41	0.12	-5.90e-03	-0.04	0.15
334	159	0.40	0.11	9.88e-05	-0.19	0.0	-4.27	-0.24	-0.18	6.59e-03	0.11	0.40
		0.13	-1.50e-03	-3.64e-05	0.0	60.0	-4.27	-0.43	-0.18	6.59e-03	-1.50e-03	0.13
334	160	0.29	-0.04	5.85e-05	-0.19	0.0	1.41	-0.22	0.12	-1.08e-03	-0.11	0.29
		0.16	-0.11	4.87e-05	0.0	60.0	1.41	-0.41	0.12	-1.08e-03	-0.04	0.16
334	163	0.39	0.10	1.05e-04	-0.19	0.0	-4.29	-0.24	-0.18	1.77e-03	0.10	0.39
		0.13	-1.89e-03	-4.18e-05	0.0	60.0	-4.29	-0.43	-0.18	1.77e-03	-1.89e-03	0.13
334	176	0.26	-0.03	4.10e-05	-0.19	0.0	0.40	-0.38	-7.91e-03	-6.11e-03	-0.04	0.26
		-0.04	-0.04	3.86e-04	0.0	60.0	0.40	-0.57	-7.91e-03	-6.11e-03	-0.03	-0.04
334	179	0.42	0.04	1.22e-04	-0.19	0.0	-3.28	-0.08	-0.05	6.79e-03	0.04	0.42
		0.33	-0.01	-3.79e-04	0.0	60.0	-3.28	-0.27	-0.05	6.79e-03	-0.01	0.33
334	188	0.29	-0.04	6.36e-05	-0.19	0.0	1.34	-0.22	0.12	-5.72e-03	-0.12	0.29
		0.16	-0.12	3.68e-05	0.0	60.0	1.34	-0.41	0.12	-5.72e-03	-0.04	0.16
334	191	0.40	0.11	9.97e-05	-0.19	0.0	-4.22	-0.24	-0.18	6.41e-03	0.11	0.40
		0.13	-1.84e-03	-2.99e-05	0.0	60.0	-4.22	-0.43	-0.18	6.41e-03	-1.84e-03	0.13
334	192	0.29	-0.04	5.65e-05	-0.19	0.0	1.37	-0.22	0.12	-1.04e-03	-0.11	0.29
		0.16	-0.11	4.55e-05	0.0	60.0	1.37	-0.41	0.12	-1.04e-03	-0.04	0.16
334	195	0.39	0.10	1.07e-04	-0.19	0.0	-4.25	-0.24	-0.18	1.73e-03	0.10	0.39
		0.13	-2.25e-03	-3.86e-05	0.0	60.0	-4.25	-0.43	-0.18	1.73e-03	-2.25e-03	0.13
334	211	0.44	0.04	1.28e-04	-0.19	0.0	-3.60	-0.06	-0.06	7.75e-03	0.04	0.44
		0.37	-0.01	-4.43e-04	0.0	60.0	-3.60	-0.25	-0.06	7.75e-03	-0.01	0.37
334	216	0.25	-0.03	3.51e-06	-0.19	0.0	0.87	-0.41	-2.48e-03	0.01	-0.03	0.25
		-0.08	-0.03	4.98e-04	0.0	60.0	0.87	-0.60	-2.48e-03	0.01	-0.03	-0.08
334	220	0.28	-0.05	6.00e-05	-0.19	0.0	1.79	-0.22	0.14	-6.70e-03	-0.13	0.28
		0.16	-0.13	3.89e-05	0.0	60.0	1.79	-0.41	0.14	-6.70e-03	-0.05	0.16
334	223	0.41	0.13	1.03e-04	-0.19	0.0	-4.67	-0.24	-0.20	7.39e-03	0.13	0.41
		0.13	1.41e-03	-3.20e-05	0.0	60.0	-4.67	-0.43	-0.20	7.39e-03	1.41e-03	0.13
334	224	0.28	-0.04	5.06e-05	-0.19	0.0	1.83	-0.22	0.14	-1.24e-03	-0.13	0.28
		0.16	-0.13	5.30e-05	0.0	60.0	1.83	-0.41	0.14	-1.24e-03	-0.04	0.16
334	227	0.40	0.12	1.13e-04	-0.19	0.0	-4.72	-0.24	-0.20	1.93e-03	0.12	0.40
		0.13	9.38e-04	-4.61e-05	0.0	60.0	-4.72	-0.43	-0.20	1.93e-03	9.38e-04	0.13
335	3	0.18	0.06	1.15e-04	-0.24	0.0	-1.03	-0.18	0.16	5.18e-04	-0.03	0.18
		0.0	-0.03	-1.59e-06	0.0	60.0	-1.03	-0.42	0.16	5.18e-04	0.06	0.0
335	4	0.15	0.06	1.12e-04	-0.24	0.0	-1.23	-0.12	0.16	5.62e-04	-0.04	0.15
		0.0	-0.04	-1.60e-06	0.0	60.0	-1.23	-0.37	0.16	5.62e-04	0.06	0.0
335	19	0.15	0.04	8.17e-05	-0.19	0.0	0.42	-0.16	0.10	1.93e-04	-0.02	0.15
		0.0	-0.02	-1.17e-06	0.0	60.0	0.42	-0.34	0.10	1.93e-04	0.04	0.0

335	28	0.15	0.06	1.11e-04	-0.24	0.0	-1.75	-0.13	0.16	6.16e-04	-0.04	0.15
		0.0	-0.04	-1.34e-06	0.0	60.0	-1.75	-0.37	0.16	6.16e-04	0.06	0.0
335	41	0.19	0.05	1.06e-04	-0.24	0.0	-0.63	-0.19	0.12	3.89e-04	-0.02	0.19
		0.0	-0.02	0.0	0.0	60.0	-0.63	-0.44	0.12	3.89e-04	0.05	0.0
335	67	0.14	0.05	8.73e-05	-0.19	0.0	-0.65	-0.14	0.12	3.72e-04	-0.02	0.14
		0.0	-0.02	-1.08e-06	0.0	60.0	-0.65	-0.33	0.12	3.72e-04	0.05	0.0
335	68	0.12	0.05	8.53e-05	-0.19	0.0	-0.78	-0.11	0.12	4.02e-04	-0.03	0.12
		0.0	-0.03	-1.08e-06	0.0	60.0	-0.78	-0.29	0.12	4.02e-04	0.05	0.0
335	72	0.15	0.04	8.18e-05	-0.19	0.0	0.20	-0.15	0.10	2.26e-04	-0.02	0.15
		0.0	-0.02	0.0	0.0	60.0	0.20	-0.34	0.10	2.26e-04	0.04	0.0
335	80	0.12	0.04	8.51e-05	-0.19	0.0	-1.13	-0.11	0.12	4.38e-04	-0.03	0.12
		0.0	-0.03	0.0	0.0	60.0	-1.13	-0.30	0.12	4.38e-04	0.04	0.0
335	85	0.15	0.04	8.14e-05	-0.19	0.0	-0.38	-0.15	0.09	2.86e-04	-0.02	0.15
		0.0	-0.02	0.0	0.0	60.0	-0.38	-0.34	0.09	2.86e-04	0.04	0.0
335	98	0.14	0.04	8.56e-05	-0.19	0.0	-0.61	-0.15	0.11	3.57e-04	-0.02	0.14
		0.0	-0.02	0.0	0.0	60.0	-0.61	-0.33	0.11	3.57e-04	0.04	0.0
335	102	0.15	0.04	8.16e-05	-0.19	0.0	-0.04	-0.15	0.10	2.59e-04	-0.02	0.15
		0.0	-0.02	0.0	0.0	60.0	-0.04	-0.34	0.10	2.59e-04	0.04	0.0
335	104	0.15	0.04	8.16e-05	-0.19	0.0	-0.15	-0.15	0.09	2.71e-04	-0.02	0.15
		0.0	-0.02	0.0	0.0	60.0	-0.15	-0.34	0.09	2.71e-04	0.04	0.0
335	106	0.15	0.04	8.16e-05	-0.19	0.0	-0.10	-0.15	0.09	2.67e-04	-0.02	0.15
		0.0	-0.02	0.0	0.0	60.0	-0.10	-0.34	0.09	2.67e-04	0.04	0.0
335	107	0.14	0.04	8.50e-05	-0.19	0.0	-0.54	-0.15	0.11	3.44e-04	-0.02	0.14
		0.0	-0.02	0.0	0.0	60.0	-0.54	-0.33	0.11	3.44e-04	0.04	0.0
335	112	5.27e-03	0.02	3.57e-05	-0.19	0.0	1.78	0.13	0.08	-5.66e-03	-0.03	-0.02
		-0.02	-0.03	3.42e-04	0.0	60.0	1.78	-0.06	0.08	-5.66e-03	0.02	0.0
335	115	0.31	0.07	1.34e-04	-0.19	0.0	-2.86	-0.42	0.14	6.35e-03	-0.01	0.31
		0.0	-0.01	-3.43e-04	0.0	60.0	-2.86	-0.61	0.14	6.35e-03	0.07	0.0
335	125	0.05	-6.16e-03	7.01e-05	-0.19	0.0	-2.63	0.02	-0.12	1.71e-03	-6.16e-03	0.05
		0.0	-0.08	1.67e-04	0.0	60.0	-2.63	-0.17	-0.12	1.71e-03	-0.08	0.0
335	126	0.24	0.16	9.98e-05	-0.19	0.0	1.55	-0.31	0.33	-1.02e-03	-0.04	0.24
		0.0	-0.04	-1.68e-04	0.0	60.0	1.55	-0.50	0.33	-1.02e-03	0.16	0.0
335	128	0.16	0.16	2.21e-04	-0.19	0.0	2.60	-0.16	0.33	-9.22e-04	-0.04	0.16
		0.0	-0.04	3.53e-05	0.0	60.0	2.60	-0.35	0.33	-9.22e-04	0.16	0.0
335	131	0.13	-4.11e-03	-5.05e-05	-0.19	0.0	-3.67	-0.13	-0.11	1.61e-03	-4.11e-03	0.13
		0.0	-0.07	-3.63e-05	0.0	60.0	-3.67	-0.32	-0.11	1.61e-03	-0.07	0.0
335	144	7.89e-04	0.02	2.94e-05	-0.19	0.0	2.08	0.17	0.07	-6.41e-03	-0.03	-0.04
		-0.04	-0.03	3.85e-04	0.0	60.0	2.08	-0.02	0.07	-6.41e-03	0.02	0.0
335	147	0.33	0.07	1.41e-04	-0.19	0.0	-3.15	-0.46	0.14	7.10e-03	-0.01	0.33
		0.0	-0.01	-3.86e-04	0.0	60.0	-3.15	-0.65	0.14	7.10e-03	0.07	0.0
335	157	0.04	-4.19e-03	6.84e-05	-0.19	0.0	-2.88	0.04	-0.14	1.88e-03	-4.19e-03	0.03
		0.0	-0.09	1.89e-04	0.0	60.0	-2.88	-0.15	-0.14	1.88e-03	-0.09	0.0
335	158	0.26	0.17	1.02e-04	-0.19	0.0	1.81	-0.33	0.36	-1.19e-03	-0.04	0.26
		0.0	-0.04	-1.90e-04	0.0	60.0	1.81	-0.52	0.36	-1.19e-03	0.17	0.0
335	160	0.16	0.17	2.37e-04	-0.19	0.0	2.99	-0.17	0.35	-1.08e-03	-0.04	0.16
		0.0	-0.04	3.96e-05	0.0	60.0	2.99	-0.36	0.35	-1.08e-03	0.17	0.0
335	163	0.13	-1.89e-03	-6.69e-05	-0.19	0.0	-4.06	-0.13	-0.14	1.77e-03	-1.89e-03	0.13
		0.0	-0.09	-4.06e-05	0.0	60.0	-4.06	-0.31	-0.14	1.77e-03	-0.09	0.0
335	176	6.95e-04	0.02	3.04e-05	-0.19	0.0	2.08	0.17	0.07	-6.11e-03	-0.03	-0.04
		-0.04	-0.03	3.80e-04	0.0	60.0	2.08	-0.02	0.07	-6.11e-03	0.02	0.0
335	179	0.33	0.07	1.40e-04	-0.19	0.0	-3.15	-0.46	0.14	6.79e-03	-0.01	0.33
		0.0	-0.01	-3.81e-04	0.0	60.0	-3.15	-0.65	0.14	6.79e-03	0.07	0.0
335	189	0.03	-4.41e-03	6.97e-05	-0.19	0.0	-2.82	0.04	-0.14	1.89e-03	-4.41e-03	0.03
		0.0	-0.09	1.91e-04	0.0	60.0	-2.82	-0.15	-0.14	1.89e-03	-0.09	0.0
335	190	0.26	0.17	1.00e-04	-0.19	0.0	1.75	-0.33	0.35	-1.21e-03	-0.04	0.26
		0.0	-0.04	-1.92e-04	0.0	60.0	1.75	-0.52	0.35	-1.21e-03	0.17	0.0
335	192	0.16	0.17	2.28e-04	-0.19	0.0	2.95	-0.17	0.35	-1.04e-03	-0.04	0.16
		0.0	-0.04	3.65e-05	0.0	60.0	2.95	-0.35	0.35	-1.04e-03	0.17	0.0
335	195	0.13	-2.25e-03	-5.83e-05	-0.19	0.0	-4.02	-0.13	-0.13	1.73e-03	-2.25e-03	0.13
		0.0	-0.08	-3.74e-05	0.0	60.0	-4.02	-0.32	-0.13	1.73e-03	-0.08	0.0
335	216	0.0	0.10	6.63e-04	-0.19	0.0	2.78	0.23	0.21	0.01	-0.03	-0.08
		-0.08	-0.03	4.92e-04	0.0	60.0	2.78	0.04	0.21	0.01	0.10	0.0
335	219	0.37	-0.01	-4.93e-04	-0.19	0.0	-3.85	-0.52	-6.67e-04	-0.01	-0.01	0.37
		0.0	-0.02	-4.93e-04	0.0	60.0	-3.85	-0.71	-6.67e-04	-0.01	-0.02	0.0
335	221	0.02	-1.54e-03	6.79e-05	-0.19	0.0	-3.17	0.08	-0.18	2.20e-03	-1.54e-03	0.01
		0.0	-0.11	2.27e-04	0.0	60.0	-3.17	-0.11	-0.18	2.20e-03	-0.11	0.0
335	222	0.28	0.19	1.02e-04	-0.19	0.0	2.10	-0.37	0.40	-1.51e-03	-0.04	0.28
		0.0	-0.04	-2.28e-04	0.0	60.0	2.10	-0.56	0.40	-1.51e-03	0.19	0.0
335	224	0.16	0.19	2.52e-04	-0.19	0.0	3.53	-0.17	0.39	-1.24e-03	-0.04	0.16
		0.0	-0.04	4.32e-05	0.0	60.0	3.53	-0.36	0.39	-1.24e-03	0.19	0.0
335	227	0.13	9.38e-04	-8.17e-05	-0.19	0.0	-4.61	-0.13	-0.17	1.93e-03	9.38e-04	0.13
		0.0	-0.10	-4.41e-05	0.0	60.0	-4.61	-0.31	-0.17	1.93e-03	-0.10	0.0
336	3	0.31	0.05	-5.72e-05	-0.16	0.0	-0.69	0.86	-0.18	3.46e-03	0.05	0.0
		0.0	-0.02	5.94e-06	0.0	40.0	-0.69	0.70	-0.18	3.46e-03	-0.02	0.31
336	18	0.17	0.06	-4.89e-05	-0.16	0.0	-0.33	0.50	-0.18	2.78e-03	0.06	0.0

		0.0	-0.02	5.96e-06	0.0	40.0	-0.33	0.34	-0.18	2.78e-03	-0.02	0.17
336	19	0.04	0.04	-3.59e-05	-0.13	0.0	0.74	0.17	-0.12	1.95e-03	0.04	0.0
		0.0	-6.93e-03	4.13e-06	0.0	40.0	0.74	0.04	-0.12	1.95e-03	-6.93e-03	0.04
336	28	0.20	0.05	-4.60e-05	-0.16	0.0	-1.37	0.58	-0.16	3.21e-03	0.05	0.0
		0.0	-0.02	5.57e-06	0.0	40.0	-1.37	0.42	-0.16	3.21e-03	-0.02	0.20
336	36	0.0	0.03	-1.72e-05	-0.13	0.0	-0.27	-0.32	-0.10	1.36e-03	0.03	0.0
		-0.15	-9.90e-03	3.86e-06	0.0	40.0	-0.27	-0.45	-0.10	1.36e-03	-9.90e-03	-0.15
336	67	0.21	0.04	-4.24e-05	-0.13	0.0	-0.38	0.58	-0.13	2.57e-03	0.04	0.0
		0.0	-0.01	4.47e-06	0.0	40.0	-0.38	0.45	-0.13	2.57e-03	-0.01	0.21
336	72	0.04	0.04	-3.46e-05	-0.13	0.0	0.52	0.16	-0.11	2.00e-03	0.04	0.0
		0.0	-7.70e-03	4.15e-06	0.0	40.0	0.52	0.03	-0.11	2.00e-03	-7.70e-03	0.04
336	75	0.11	0.04	-3.68e-05	-0.13	0.0	-0.14	0.34	-0.13	2.12e-03	0.04	0.0
		0.0	-0.01	4.48e-06	0.0	40.0	-0.14	0.22	-0.13	2.12e-03	-0.01	0.11
336	80	0.13	0.03	-3.49e-05	-0.13	0.0	-0.83	0.40	-0.12	2.40e-03	0.03	0.0
		0.0	-0.01	4.22e-06	0.0	40.0	-0.83	0.27	-0.12	2.40e-03	-0.01	0.13
336	81	0.0	0.03	-2.21e-05	-0.13	0.0	-0.15	-0.17	-0.10	1.60e-03	0.03	0.0
		-0.09	-9.68e-03	3.96e-06	0.0	40.0	-0.15	-0.29	-0.10	1.60e-03	-9.68e-03	-0.09
336	98	0.14	0.03	-3.81e-05	-0.13	0.0	-0.32	0.42	-0.11	2.45e-03	0.03	0.0
		0.0	-0.01	4.32e-06	0.0	40.0	-0.32	0.30	-0.11	2.45e-03	-0.01	0.14
336	99	6.77e-03	0.03	-3.04e-05	-0.13	0.0	0.19	0.07	-0.10	1.96e-03	0.03	0.0
		0.0	-8.64e-03	4.11e-06	0.0	40.0	0.19	-0.06	-0.10	1.96e-03	-8.64e-03	9.88e-04
336	102	0.02	0.03	-3.25e-05	-0.13	0.0	0.29	0.12	-0.10	2.05e-03	0.03	0.0
		0.0	-8.26e-03	4.09e-06	0.0	40.0	0.29	-1.77e-03	-0.10	2.05e-03	-8.26e-03	0.02
336	103	0.13	0.04	-3.78e-05	-0.13	0.0	-0.18	0.39	-0.11	2.38e-03	0.04	0.0
		0.0	-0.01	4.30e-06	0.0	40.0	-0.18	0.26	-0.11	2.38e-03	-0.01	0.13
336	106	0.02	0.03	-3.19e-05	-0.13	0.0	0.24	0.11	-0.10	2.07e-03	0.03	0.0
		0.0	-8.40e-03	4.07e-06	0.0	40.0	0.24	-0.01	-0.10	2.07e-03	-8.40e-03	0.02
336	107	0.13	0.03	-3.73e-05	-0.13	0.0	-0.24	0.38	-0.11	2.39e-03	0.03	0.0
		0.0	-0.01	4.28e-06	0.0	40.0	-0.24	0.25	-0.11	2.39e-03	-0.01	0.13
336	108	1.32	0.08	-4.23e-05	-0.13	0.0	1.06	3.36	-0.22	-3.87e-03	0.08	0.0
		0.0	-0.01	2.12e-04	0.0	40.0	1.06	3.24	-0.22	-3.87e-03	-0.01	1.32
336	111	0.0	-9.05e-03	-3.22e-05	-0.13	0.0	-1.53	-2.61	-3.10e-03	8.65e-03	-9.75e-03	0.0
		-1.07	-9.75e-03	-2.04e-04	0.0	40.0	-1.53	-2.73	-3.10e-03	8.65e-03	-9.05e-03	-1.07
336	124	0.91	0.15	-8.12e-05	-0.13	0.0	2.38	2.33	-0.39	-2.02e-03	0.15	0.0
		0.0	-9.24e-03	3.58e-05	0.0	40.0	2.38	2.21	-0.39	-2.02e-03	-9.24e-03	0.91
336	127	0.0	-0.01	6.72e-06	-0.13	0.0	-2.85	-1.58	0.17	6.80e-03	-0.08	0.0
		-0.66	-0.08	-2.73e-05	0.0	40.0	-2.85	-1.70	0.17	6.80e-03	-0.01	-0.66
336	129	0.0	-0.01	-1.33e-04	-0.13	0.0	-2.52	-0.04	0.15	3.54e-03	-0.08	0.0
		-0.04	-0.08	1.07e-04	0.0	40.0	-2.52	-0.17	0.15	3.54e-03	-0.01	-0.04
336	130	0.29	0.15	5.83e-05	-0.13	0.0	2.05	0.80	-0.37	1.24e-03	0.15	0.0
		0.0	-7.57e-03	-9.83e-05	0.0	40.0	2.05	0.67	-0.37	1.24e-03	-7.57e-03	0.29
336	140	1.47	0.08	-4.27e-05	-0.13	0.0	1.22	3.74	-0.23	-4.65e-03	0.08	0.0
		0.0	-0.01	2.38e-04	0.0	40.0	1.22	3.62	-0.23	-4.65e-03	-0.01	1.47
336	143	0.0	-8.79e-03	-3.18e-05	-0.13	0.0	-1.69	-2.99	0.01	9.43e-03	-0.02	0.0
		-1.22	-0.02	-2.30e-04	0.0	40.0	-1.69	-3.11	0.01	9.43e-03	-8.79e-03	-1.22
336	156	1.01	0.16	-8.65e-05	-0.13	0.0	2.70	2.58	-0.43	-2.56e-03	0.16	0.0
		0.0	-9.02e-03	3.94e-05	0.0	40.0	2.70	2.45	-0.43	-2.56e-03	-9.02e-03	1.01
336	159	0.0	-0.01	1.20e-05	-0.13	0.0	-3.17	-1.82	0.20	7.35e-03	-0.09	0.0
		-0.75	-0.09	-3.09e-05	0.0	40.0	-3.17	-1.95	0.20	7.35e-03	-0.01	-0.75
336	161	0.0	-0.02	-1.44e-04	-0.13	0.0	-2.80	-0.09	0.18	3.69e-03	-0.10	0.0
		-0.06	-0.10	1.20e-04	0.0	40.0	-2.80	-0.21	0.18	3.69e-03	-0.02	-0.06
336	162	0.31	0.16	6.97e-05	-0.13	0.0	2.33	0.84	-0.41	1.09e-03	0.16	0.0
		0.0	-7.13e-03	-1.12e-04	0.0	40.0	2.33	0.72	-0.41	1.09e-03	-7.13e-03	0.31
336	172	1.48	0.08	-3.71e-05	-0.13	0.0	1.20	3.75	-0.23	-4.22e-03	0.08	0.0
		0.0	-0.01	2.33e-04	0.0	40.0	1.20	3.63	-0.23	-4.22e-03	-0.01	1.48
336	175	0.0	-8.78e-03	-3.74e-05	-0.13	0.0	-1.68	-3.00	6.58e-03	9.00e-03	-0.01	0.0
		-1.22	-0.01	-2.25e-04	0.0	40.0	-1.68	-3.12	6.58e-03	9.00e-03	-8.78e-03	-1.22
336	188	1.00	0.16	-8.29e-05	-0.13	0.0	2.65	2.57	-0.42	-2.33e-03	0.16	0.0
		0.0	-9.15e-03	3.50e-05	0.0	40.0	2.65	2.45	-0.42	-2.33e-03	-9.15e-03	1.00
336	191	0.0	-0.01	8.40e-06	-0.13	0.0	-3.12	-1.82	0.20	7.12e-03	-0.09	0.0
		-0.75	-0.09	-2.64e-05	0.0	40.0	-3.12	-1.94	0.20	7.12e-03	-0.01	-0.75
336	193	0.0	-0.01	-1.35e-04	-0.13	0.0	-2.74	-0.05	0.18	3.67e-03	-0.09	0.0
		-0.04	-0.09	1.25e-04	0.0	40.0	-2.74	-0.17	0.18	3.67e-03	-0.01	-0.04
336	194	0.30	0.16	6.05e-05	-0.13	0.0	2.27	0.80	-0.40	1.12e-03	0.16	0.0
		0.0	-7.24e-03	-1.16e-04	0.0	40.0	2.27	0.68	-0.40	1.12e-03	-7.24e-03	0.30
336	212	1.72	0.06	-6.24e-04	-0.13	0.0	1.46	4.36	-0.26	-5.41e-03	0.06	0.0
		0.0	-0.01	3.03e-04	0.0	40.0	1.46	4.24	-0.26	-5.41e-03	-0.01	1.72
336	215	0.0	0.01	5.50e-04	-0.13	0.0	-1.93	-3.61	0.04	0.01	0.01	0.0
		-1.47	-8.20e-03	-2.95e-04	0.0	40.0	-1.93	-3.73	0.04	0.01	-8.20e-03	-1.47
336	224	1.16	0.17	-2.65e-04	-0.13	0.0	3.12	2.96	-0.48	-3.13e-03	0.17	0.0
		0.0	-8.92e-03	4.75e-05	0.0	40.0	3.12	2.84	-0.48	-3.13e-03	-8.92e-03	1.16
336	225	0.0	-0.02	-1.51e-04	-0.13	0.0	-3.14	-0.09	0.22	3.86e-03	-0.12	0.0
		-0.06	-0.12	1.49e-04	0.0	40.0	-3.14	-0.21	0.22	3.86e-03	-0.02	-0.06
336	226	0.31	0.18	7.64e-05	-0.13	0.0	2.67	0.84	-0.45	9.28e-04	0.18	0.0
		0.0	-6.59e-03	-1.41e-04	0.0	40.0	2.67	0.72	-0.45	9.28e-04	-6.59e-03	0.31

336	227	0.0	-0.01	1.91e-04	-0.13	0.0	-3.59	-2.20	0.25	7.91e-03	-0.10	0.0
		-0.91	-0.10	-3.90e-05	0.0	40.0	-3.59	-2.33	0.25	7.91e-03	-0.01	-0.91
337	3	0.71	-0.02	-5.53e-05	-0.16	0.0	-1.97	1.07	-0.04	3.46e-03	-0.02	0.31
		0.31	-0.03	3.68e-06	0.0	40.0	-1.97	0.91	-0.04	3.46e-03	-0.03	0.71
337	18	0.53	-0.02	-5.18e-05	-0.16	0.0	-1.56	1.00	-0.05	2.78e-03	-0.02	0.17
		0.17	-0.04	3.88e-06	0.0	40.0	-1.56	0.83	-0.05	2.78e-03	-0.04	0.53
337	19	0.17	-6.93e-03	-3.76e-05	-0.13	0.0	-0.08	0.38	-0.04	1.95e-03	-6.93e-03	0.04
		0.04	-0.02	3.12e-06	0.0	40.0	-0.08	0.26	-0.04	1.95e-03	-0.02	0.17
337	28	0.66	-0.01	-5.02e-05	-0.16	0.0	-2.57	1.23	0.01	3.21e-03	-0.02	0.20
		0.20	-0.02	2.94e-06	0.0	40.0	-2.57	1.06	0.01	3.21e-03	-0.01	0.66
337	36	0.08	-6.82e-04	-2.95e-05	-0.13	0.0	-0.97	0.65	0.02	1.36e-03	-9.90e-03	-0.15
		-0.15	-9.90e-03	2.30e-06	0.0	40.0	-0.97	0.52	0.02	1.36e-03	-6.82e-04	0.08
337	45	0.16	0.01	-3.25e-05	-0.13	0.0	-0.81	0.50	0.05	2.18e-03	-8.16e-03	-0.02
		-0.02	-8.16e-03	1.84e-06	0.0	40.0	-0.81	0.37	0.05	2.18e-03	0.01	0.16
337	67	0.48	-0.01	-4.15e-05	-0.13	0.0	-1.33	0.76	-0.03	2.57e-03	-0.01	0.21
		0.21	-0.02	2.83e-06	0.0	40.0	-1.33	0.63	-0.03	2.57e-03	-0.02	0.48
337	72	0.19	-7.70e-03	-3.70e-05	-0.13	0.0	-0.29	0.43	-0.03	2.00e-03	-7.70e-03	0.04
		0.04	-0.02	3.04e-06	0.0	40.0	-0.29	0.31	-0.03	2.00e-03	-0.02	0.19
337	75	0.37	-0.01	-3.92e-05	-0.13	0.0	-1.05	0.71	-0.04	2.12e-03	-0.01	0.11
		0.11	-0.03	2.96e-06	0.0	40.0	-1.05	0.58	-0.04	2.12e-03	-0.03	0.37
337	80	0.45	-0.01	-3.80e-05	-0.13	0.0	-1.72	0.86	8.27e-03	2.40e-03	-0.01	0.13
		0.13	-0.01	2.34e-06	0.0	40.0	-1.72	0.73	8.27e-03	2.40e-03	-0.01	0.45
337	81	0.13	-5.25e-03	-3.16e-05	-0.13	0.0	-0.88	0.61	0.01	1.60e-03	-9.68e-03	-0.09
		-0.09	-9.68e-03	2.49e-06	0.0	40.0	-0.88	0.48	0.01	1.60e-03	-5.25e-03	0.13
337	85	0.18	2.84e-03	-3.36e-05	-0.13	0.0	-0.77	0.51	0.03	2.15e-03	-8.52e-03	-1.95e-03
		-1.95e-03	-8.52e-03	2.18e-06	0.0	40.0	-0.77	0.39	0.03	2.15e-03	2.84e-03	0.18
337	98	0.39	-0.01	-3.90e-05	-0.13	0.0	-1.19	0.69	-0.01	2.45e-03	-0.01	0.14
		0.14	-0.02	2.76e-06	0.0	40.0	-1.19	0.56	-0.01	2.45e-03	-0.02	0.39
337	99	0.17	-8.64e-03	-3.49e-05	-0.13	0.0	-0.57	0.49	-0.01	1.96e-03	-8.64e-03	9.88e-04
		9.88e-04	-0.01	2.86e-06	0.0	40.0	-0.57	0.37	-0.01	1.96e-03	-0.01	0.17
337	102	0.18	-8.26e-03	-3.57e-05	-0.13	0.0	-0.48	0.46	-0.02	2.05e-03	-8.26e-03	0.02
		0.02	-0.01	2.89e-06	0.0	40.0	-0.48	0.34	-0.02	2.05e-03	-0.01	0.18
337	103	0.36	-0.01	-3.88e-05	-0.13	0.0	-1.05	0.65	-0.02	2.38e-03	-0.01	0.13
		0.13	-0.02	2.81e-06	0.0	40.0	-1.05	0.52	-0.02	2.38e-03	-0.02	0.36
337	106	0.18	-8.40e-03	-3.54e-05	-0.13	0.0	-0.53	0.47	-0.01	2.07e-03	-8.40e-03	0.02
		0.02	-0.01	2.85e-06	0.0	40.0	-0.53	0.35	-0.01	2.07e-03	-0.01	0.18
337	107	0.36	-0.01	-3.85e-05	-0.13	0.0	-1.10	0.66	-0.01	2.39e-03	-0.01	0.13
		0.13	-0.02	2.78e-06	0.0	40.0	-1.10	0.53	-0.01	2.39e-03	-0.02	0.36
337	109	3.45	-0.01	-9.56e-05	-0.13	0.0	-3.05	5.43	0.03	-2.20e-03	-0.01	1.04
		1.04	-0.01	2.31e-04	0.0	40.0	-3.05	5.30	0.03	-2.20e-03	-0.01	3.45
337	110	-0.79	-7.44e-03	1.86e-05	-0.13	0.0	0.85	-4.12	-0.06	6.99e-03	-7.44e-03	-0.79
		-2.72	-0.02	-2.26e-04	0.0	40.0	0.85	-4.24	-0.06	6.99e-03	-0.02	-2.72
337	124	0.91	-9.24e-03	-9.44e-05	-0.13	0.0	0.16	0.56	-0.09	-2.02e-03	-9.24e-03	0.91
		0.24	-0.05	3.26e-05	0.0	40.0	0.16	0.43	-0.09	-2.02e-03	-0.05	0.24
337	125	2.16	9.62e-03	-2.32e-05	-0.13	0.0	-3.22	3.36	0.07	3.55e-03	-0.01	-0.02
		-0.02	-0.01	1.04e-04	0.0	40.0	-3.22	3.24	0.07	3.55e-03	9.62e-03	2.16
337	126	0.27	-7.54e-03	-5.37e-05	-0.13	0.0	1.03	-2.05	-0.10	1.24e-03	-7.54e-03	0.27
		-1.43	-0.04	-9.81e-05	0.0	40.0	1.03	-2.18	-0.10	1.24e-03	-0.04	-1.43
337	127	0.48	0.01	1.74e-05	-0.13	0.0	-2.36	0.75	0.06	6.80e-03	-0.01	-0.66
		-0.66	-0.01	-2.71e-05	0.0	40.0	-2.36	0.63	0.06	6.80e-03	0.01	0.48
337	141	3.84	-0.01	-1.03e-04	-0.13	0.0	-3.30	6.04	0.03	-2.77e-03	-0.02	1.16
		1.16	-0.02	2.60e-04	0.0	40.0	-3.30	5.91	0.03	-2.77e-03	-0.01	3.84
337	142	-0.91	-6.98e-03	2.60e-05	-0.13	0.0	1.10	-4.72	-0.06	7.56e-03	-6.98e-03	-0.91
		-3.11	-0.02	-2.55e-04	0.0	40.0	1.10	-4.85	-0.06	7.56e-03	-0.02	-3.11
337	156	1.01	-9.02e-03	-1.01e-04	-0.13	0.0	0.32	0.54	-0.09	-2.56e-03	-9.02e-03	1.01
		0.23	-0.05	3.60e-05	0.0	40.0	0.32	0.41	-0.09	-2.56e-03	-0.05	0.23
337	157	2.39	0.01	-2.16e-05	-0.13	0.0	-3.49	3.71	0.08	3.69e-03	-0.02	-0.04
		-0.04	-0.02	1.17e-04	0.0	40.0	-3.49	3.59	0.08	3.69e-03	0.01	2.39
337	158	0.29	-7.11e-03	-5.54e-05	-0.13	0.0	1.30	-2.40	-0.11	1.10e-03	-7.11e-03	0.29
		-1.66	-0.05	-1.11e-04	0.0	40.0	1.30	-2.53	-0.11	1.10e-03	-0.05	-1.66
337	159	0.50	0.02	2.43e-05	-0.13	0.0	-2.52	0.77	0.07	7.35e-03	-0.01	-0.75
		-0.75	-0.01	-3.05e-05	0.0	40.0	-2.52	0.65	0.07	7.35e-03	0.02	0.50
337	173	3.85	-0.01	-1.06e-04	-0.13	0.0	-3.29	6.07	0.03	-2.41e-03	-0.02	1.16
		1.16	-0.02	2.57e-04	0.0	40.0	-3.29	5.94	0.03	-2.41e-03	-0.01	3.85
337	174	-0.91	-7.05e-03	2.87e-05	-0.13	0.0	1.10	-4.76	-0.06	7.20e-03	-7.05e-03	-0.91
		-3.13	-0.02	-2.52e-04	0.0	40.0	1.10	-4.88	-0.06	7.20e-03	-0.02	-3.13
337	188	1.00	-9.15e-03	-1.00e-04	-0.13	0.0	0.30	0.50	-0.09	-2.33e-03	-9.15e-03	1.00
		0.21	-0.05	3.16e-05	0.0	40.0	0.30	0.38	-0.09	-2.33e-03	-0.05	0.21
337	189	2.41	0.01	-2.40e-05	-0.13	0.0	-3.48	3.76	0.08	3.69e-03	-0.01	-0.04
		-0.04	-0.01	1.19e-04	0.0	40.0	-3.48	3.63	0.08	3.69e-03	0.01	2.41
337	190	0.29	-7.25e-03	-5.29e-05	-0.13	0.0	1.28	-2.45	-0.10	1.09e-03	-7.25e-03	0.29
		-1.68	-0.05	-1.13e-04	0.0	40.0	1.28	-2.58	-0.10	1.09e-03	-0.05	-1.68
337	191	0.51	0.02	2.31e-05	-0.13	0.0	-2.50	0.81	0.07	7.12e-03	-0.01	-0.75
		-0.75	-0.01	-2.61e-05	0.0	40.0	-2.50	0.68	0.07	7.12e-03	0.02	0.51
337	213	4.52	-0.01	-5.57e-05	-0.13	0.0	-3.60	7.12	0.04	-3.31e-03	-0.02	1.36

		1.36	-0.02	3.33e-04	0.0	40.0	-3.60	6.99	0.04	-3.31e-03	-0.01	4.52
337	214	-1.10	-6.21e-03	-2.12e-05	-0.13	0.0	1.40	-5.81	-0.07	8.10e-03	-6.21e-03	-1.10
		-3.79	-0.02	-3.27e-04	0.0	40.0	1.40	-5.93	-0.07	8.10e-03	-0.02	-3.79
337	220	1.16	-8.86e-03	-1.10e-04	-0.13	0.0	0.53	0.45	-0.11	-3.04e-03	-8.86e-03	1.16
		0.18	-0.06	3.41e-05	0.0	40.0	0.53	0.32	-0.11	-3.04e-03	-0.06	0.18
337	221	2.78	0.02	-2.36e-05	-0.13	0.0	-3.88	4.34	0.09	3.94e-03	-0.02	-0.06
		-0.06	-0.02	1.40e-04	0.0	40.0	-3.88	4.22	0.09	3.94e-03	0.02	2.78
337	222	0.31	-6.64e-03	-5.34e-05	-0.13	0.0	1.69	-3.03	-0.12	8.47e-04	-6.64e-03	0.31
		-2.06	-0.05	-1.35e-04	0.0	40.0	1.69	-3.16	-0.12	8.47e-04	-0.05	-2.06
337	223	0.55	0.02	3.29e-05	-0.13	0.0	-2.73	0.86	0.08	7.83e-03	-0.01	-0.91
		-0.91	-0.01	-2.85e-05	0.0	40.0	-2.73	0.74	0.08	7.83e-03	0.02	0.55
338	16	0.44	-0.03	-4.31e-05	-0.16	0.0	-1.05	0.64	-0.14	2.21e-03	-0.03	0.22
		0.22	-0.09	2.08e-06	0.0	40.0	-1.05	0.47	-0.14	2.21e-03	-0.09	0.44
338	19	0.29	-0.02	-3.50e-05	-0.13	0.0	-0.45	0.36	-0.16	1.95e-03	-0.02	0.17
		0.17	-0.09	1.87e-06	0.0	40.0	-0.45	0.23	-0.16	1.95e-03	-0.09	0.29
338	28	0.99	0.11	-3.81e-05	-0.16	0.0	-3.04	0.92	0.30	3.21e-03	-0.01	0.66
		0.66	-0.01	0.0	0.0	40.0	-3.04	0.76	0.30	3.21e-03	0.11	0.99
338	36	0.32	0.11	-2.86e-05	-0.13	0.0	-1.32	0.66	0.27	1.36e-03	-6.82e-04	0.08
		0.08	-6.82e-04	0.0	0.0	40.0	-1.32	0.54	0.27	1.36e-03	0.11	0.32
338	47	0.69	0.18	-2.93e-05	-0.13	0.0	-2.15	0.61	0.43	2.75e-03	5.34e-03	0.47
		0.47	5.34e-03	-1.06e-06	0.0	40.0	-2.15	0.48	0.43	2.75e-03	0.18	0.69
338	72	0.32	-0.02	-3.41e-05	-0.13	0.0	-0.65	0.40	-0.09	2.00e-03	-0.02	0.19
		0.19	-0.06	1.66e-06	0.0	40.0	-0.65	0.27	-0.09	2.00e-03	-0.06	0.32
338	73	0.32	-0.02	-3.32e-05	-0.13	0.0	-0.76	0.47	-0.09	1.74e-03	-0.02	0.16
		0.16	-0.06	1.61e-06	0.0	40.0	-0.76	0.34	-0.09	1.74e-03	-0.06	0.32
338	80	0.69	0.07	-2.99e-05	-0.13	0.0	-2.08	0.66	0.20	2.40e-03	-0.01	0.45
		0.45	-0.01	0.0	0.0	40.0	-2.08	0.53	0.20	2.40e-03	0.07	0.69
338	81	0.34	0.07	-2.98e-05	-0.13	0.0	-1.23	0.60	0.19	1.60e-03	-5.25e-03	0.13
		0.13	-5.25e-03	0.0	0.0	40.0	-1.23	0.48	0.19	1.60e-03	0.07	0.34
338	87	0.59	0.12	-3.03e-05	-0.13	0.0	-1.79	0.56	0.30	2.53e-03	-1.23e-03	0.39
		0.39	-1.23e-03	0.0	0.0	40.0	-1.79	0.44	0.30	2.53e-03	0.12	0.59
338	98	0.58	8.58e-05	-3.20e-05	-0.13	0.0	-1.55	0.52	0.04	2.45e-03	-0.02	0.39
		0.39	-0.02	0.0	0.0	40.0	-1.55	0.40	0.04	2.45e-03	8.58e-05	0.58
338	99	0.33	-2.66e-05	-3.22e-05	-0.13	0.0	-0.92	0.46	0.03	1.96e-03	-0.01	0.17
		0.17	-0.01	1.47e-06	0.0	40.0	-0.92	0.34	0.03	1.96e-03	-2.66e-05	0.33
338	102	0.33	-0.01	-3.29e-05	-0.13	0.0	-0.84	0.43	7.50e-03	2.05e-03	-0.01	0.18
		0.18	-0.01	1.52e-06	0.0	40.0	-0.84	0.30	7.50e-03	2.05e-03	-0.01	0.33
338	103	0.54	-0.01	-3.24e-05	-0.13	0.0	-1.41	0.50	0.02	2.38e-03	-0.02	0.36
		0.36	-0.02	1.09e-06	0.0	40.0	-1.41	0.38	0.02	2.38e-03	-0.01	0.54
338	105	0.54	0.02	-3.18e-05	-0.13	0.0	-1.50	0.52	0.09	2.41e-03	-0.01	0.36
		0.36	-0.01	0.0	0.0	40.0	-1.50	0.39	0.09	2.41e-03	0.02	0.54
338	106	0.33	0.0	-3.26e-05	-0.13	0.0	-0.88	0.44	0.03	2.07e-03	-0.01	0.18
		0.18	-0.01	1.49e-06	0.0	40.0	-0.88	0.31	0.03	2.07e-03	0.0	0.33
338	107	0.54	7.36e-05	-3.21e-05	-0.13	0.0	-1.46	0.51	0.04	2.39e-03	-0.02	0.36
		0.36	-0.02	1.06e-06	0.0	40.0	-1.46	0.39	0.04	2.39e-03	7.36e-05	0.54
338	112	4.72	0.02	-1.04e-04	-0.13	0.0	-3.48	2.74	0.09	-2.11e-03	-0.03	3.43
		3.43	-0.03	2.28e-04	0.0	40.0	-3.48	2.61	0.09	-2.11e-03	0.02	4.72
338	113	3.96	0.07	-1.05e-04	-0.13	0.0	-4.44	3.30	0.18	-3.96e-03	-0.02	2.88
		2.88	-0.02	2.10e-04	0.0	40.0	-4.44	3.18	0.18	-3.96e-03	0.07	3.96
338	114	-2.16	-0.02	4.05e-05	-0.13	0.0	1.52	-2.28	-0.10	8.74e-03	-0.02	-2.16
		-2.88	-0.07	-2.08e-04	0.0	40.0	1.52	-2.40	-0.10	8.74e-03	-0.07	-2.88
338	115	-2.71	-3.58e-03	3.98e-05	-0.13	0.0	0.56	-1.72	-1.09e-03	6.90e-03	-3.58e-03	-2.71
		-3.63	-0.02	-2.25e-04	0.0	40.0	0.56	-1.84	-1.09e-03	6.90e-03	-0.02	-3.63
338	125	2.93	0.13	-2.51e-05	-0.13	0.0	-3.71	2.11	0.30	3.55e-03	9.62e-03	2.16
		2.16	9.62e-03	1.04e-04	0.0	40.0	-3.71	1.99	0.30	3.55e-03	0.13	2.93
338	126	-1.43	-0.04	-3.91e-05	-0.13	0.0	0.80	-1.09	-0.22	1.24e-03	-0.04	-1.43
		-1.84	-0.13	-1.02e-04	0.0	40.0	0.80	-1.21	-0.22	1.24e-03	-0.13	-1.84
338	144	5.25	0.02	-1.13e-04	-0.13	0.0	-3.74	3.02	0.09	-2.67e-03	-0.03	3.82
		3.82	-0.03	2.56e-04	0.0	40.0	-3.74	2.90	0.09	-2.67e-03	0.02	5.25
338	145	4.39	0.08	-1.14e-04	-0.13	0.0	-4.81	3.66	0.20	-4.75e-03	-0.02	3.20
		3.20	-0.02	2.37e-04	0.0	40.0	-4.81	3.53	0.20	-4.75e-03	0.08	4.39
338	146	-2.48	-0.02	4.97e-05	-0.13	0.0	1.90	-2.63	-0.12	9.53e-03	-0.02	-2.48
		-3.31	-0.08	-2.35e-04	0.0	40.0	1.90	-2.76	-0.12	9.53e-03	-0.08	-3.31
338	147	-3.10	-1.95e-03	4.90e-05	-0.13	0.0	0.82	-2.00	-6.53e-03	7.46e-03	-1.95e-03	-3.10
		-4.16	-0.02	-2.54e-04	0.0	40.0	0.82	-2.12	-6.53e-03	7.46e-03	-0.02	-4.16
338	157	3.23	0.15	-2.44e-05	-0.13	0.0	-4.00	2.32	0.34	3.69e-03	0.01	2.39
		2.39	0.01	1.17e-04	0.0	40.0	-4.00	2.19	0.34	3.69e-03	0.15	3.23
338	158	-1.66	-0.05	-3.98e-05	-0.13	0.0	1.09	-1.29	-0.25	1.10e-03	-0.05	-1.66
		-2.15	-0.15	-1.15e-04	0.0	40.0	1.09	-1.42	-0.25	1.10e-03	-0.15	-2.15
338	176	5.28	0.02	-1.15e-04	-0.13	0.0	-3.75	3.03	0.09	-2.31e-03	-0.03	3.84
		3.84	-0.03	2.53e-04	0.0	40.0	-3.75	2.90	0.09	-2.31e-03	0.02	5.28
338	177	4.40	0.08	-1.15e-04	-0.13	0.0	-4.81	3.66	0.20	-4.32e-03	-0.02	3.20
		3.20	-0.02	2.32e-04	0.0	40.0	-4.81	3.54	0.20	-4.32e-03	0.08	4.40
338	178	-2.48	-0.02	5.10e-05	-0.13	0.0	1.90	-2.64	-0.11	9.10e-03	-0.02	-2.48
		-3.31	-0.08	-2.29e-04	0.0	40.0	1.90	-2.76	-0.11	9.10e-03	-0.08	-3.31

338	179	-3.12	-2.60e-03	5.07e-05	-0.13	0.0	0.84	-2.00	-4.77e-03	7.09e-03	-2.60e-03	-3.12
		-4.19	-0.02	-2.51e-04	0.0	40.0	0.84	-2.13	-4.77e-03	7.09e-03	-0.02	-4.19
338	189	3.27	0.15	-2.59e-05	-0.13	0.0	-4.01	2.35	0.33	3.69e-03	0.01	2.41
		2.41	0.01	1.19e-04	0.0	40.0	-4.01	2.22	0.33	3.69e-03	0.15	3.27
338	190	-1.68	-0.05	-3.83e-05	-0.13	0.0	1.10	-1.33	-0.25	1.09e-03	-0.05	-1.68
		-2.18	-0.15	-1.17e-04	0.0	40.0	1.10	-1.45	-0.25	1.09e-03	-0.15	-2.18
338	209	5.08	0.09	-1.31e-04	-0.13	0.0	-5.40	4.23	0.22	-5.26e-03	-0.02	3.71
		3.71	-0.02	2.69e-04	0.0	40.0	-5.40	4.10	0.22	-5.26e-03	0.09	5.08
338	210	-2.98	-0.02	6.65e-05	-0.13	0.0	2.48	-3.20	-0.14	0.01	-0.02	-2.98
		-3.99	-0.09	-2.67e-04	0.0	40.0	2.48	-3.33	-0.14	0.01	-0.09	-3.99
338	216	6.18	0.02	-1.10e-04	-0.13	0.0	-4.08	3.52	0.09	-3.19e-03	-0.03	4.51
		4.51	-0.03	3.28e-04	0.0	40.0	-4.08	3.40	0.09	-3.19e-03	0.02	6.18
338	219	-3.78	-7.40e-04	4.53e-05	-0.13	0.0	1.17	-2.50	-8.26e-03	7.98e-03	-7.40e-04	-3.78
		-5.09	-0.02	-3.26e-04	0.0	40.0	1.17	-2.62	-8.26e-03	7.98e-03	-0.02	-5.09
338	221	3.77	0.17	-2.61e-05	-0.13	0.0	-4.47	2.70	0.38	3.94e-03	0.02	2.78
		2.78	0.02	1.41e-04	0.0	40.0	-4.47	2.57	0.38	3.94e-03	0.17	3.77
338	222	-2.06	-0.05	-3.81e-05	-0.13	0.0	1.56	-1.67	-0.30	8.47e-04	-0.05	-2.06
		-2.69	-0.17	-1.39e-04	0.0	40.0	1.56	-1.80	-0.30	8.47e-04	-0.17	-2.69
339	16	0.57	0.03	-4.76e-05	-0.24	0.0	-0.16	0.34	0.20	2.21e-03	-0.09	0.44
		0.44	-0.09	-1.17e-05	0.0	60.0	-0.16	0.09	0.20	2.21e-03	0.03	0.57
339	19	0.41	0.03	-4.33e-05	-0.19	0.0	0.27	0.29	0.20	1.95e-03	-0.09	0.29
		0.29	-0.09	-1.22e-05	0.0	60.0	0.27	0.10	0.20	1.95e-03	0.03	0.41
339	28	0.99	0.11	-1.64e-05	-0.24	0.0	-2.21	-0.06	-0.25	3.21e-03	0.11	0.99
		0.89	-0.05	1.90e-05	0.0	60.0	-2.21	-0.30	-0.25	3.21e-03	-0.05	0.89
339	47	0.69	0.18	-1.68e-05	-0.19	0.0	-1.39	1.52e-03	-0.41	2.75e-03	0.18	0.69
		0.63	-0.07	3.05e-05	0.0	60.0	-1.39	-0.19	-0.41	2.75e-03	-0.07	0.63
339	72	0.42	0.02	-4.01e-05	-0.19	0.0	0.08	0.27	0.13	2.00e-03	-0.06	0.32
		0.32	-0.06	-7.34e-06	0.0	60.0	0.08	0.08	0.13	2.00e-03	0.02	0.42
339	73	0.43	0.02	-3.77e-05	-0.19	0.0	-0.05	0.27	0.13	1.74e-03	-0.06	0.32
		0.32	-0.06	-7.43e-06	0.0	60.0	-0.05	0.08	0.13	1.74e-03	0.02	0.43
339	80	0.69	0.07	-1.69e-05	-0.19	0.0	-1.42	8.55e-03	-0.17	2.40e-03	0.07	0.69
		0.64	-0.03	1.31e-05	0.0	60.0	-1.42	-0.18	-0.17	2.40e-03	-0.03	0.64
339	87	0.60	0.12	-2.25e-05	-0.19	0.0	-1.03	0.07	-0.28	2.53e-03	0.12	0.59
		0.57	-0.05	2.11e-05	0.0	60.0	-1.03	-0.11	-0.28	2.53e-03	-0.05	0.57
339	98	0.59	8.58e-05	-2.60e-05	-0.19	0.0	-0.86	0.08	-6.39e-03	2.45e-03	8.58e-05	0.58
		0.57	-3.75e-03	1.88e-06	0.0	60.0	-0.86	-0.10	-6.39e-03	2.45e-03	-3.75e-03	0.57
339	102	0.43	1.65e-03	-3.74e-05	-0.19	0.0	-0.07	0.26	0.02	2.05e-03	-0.01	0.33
		0.33	-0.01	0.0	0.0	60.0	-0.07	0.07	0.02	2.05e-03	1.65e-03	0.43
339	105	0.56	0.02	-2.68e-05	-0.19	0.0	-0.79	0.11	-0.06	2.41e-03	0.02	0.54
		0.54	-0.01	5.82e-06	0.0	60.0	-0.79	-0.08	-0.06	2.41e-03	-0.01	0.55
339	106	0.43	0.0	-3.68e-05	-0.19	0.0	-0.10	0.26	-4.65e-03	2.07e-03	0.0	0.33
		0.33	-2.79e-03	2.53e-06	0.0	60.0	-0.10	0.07	-4.65e-03	2.07e-03	-2.79e-03	0.43
339	107	0.56	7.36e-05	-2.76e-05	-0.19	0.0	-0.75	0.11	-6.14e-03	2.39e-03	7.36e-05	0.54
		0.54	-3.61e-03	1.97e-06	0.0	60.0	-0.75	-0.08	-6.14e-03	2.39e-03	-3.61e-03	0.55
339	112	4.72	0.02	-3.75e-05	-0.19	0.0	-3.90	-3.38	-0.05	-2.11e-03	0.02	4.72
		2.63	-0.01	3.44e-04	0.0	60.0	-3.90	-3.57	-0.05	-2.11e-03	-0.01	2.63
339	113	3.96	0.07	-3.14e-05	-0.19	0.0	-4.87	-2.75	-0.18	-3.96e-03	0.07	3.96
		2.26	-0.04	3.28e-04	0.0	60.0	-4.87	-2.94	-0.18	-3.96e-03	-0.04	2.26
339	114	-1.15	0.03	-2.49e-05	-0.19	0.0	3.36	2.97	0.17	8.74e-03	-0.07	-2.88
		-2.88	-0.07	-3.24e-04	0.0	60.0	3.36	2.78	0.17	8.74e-03	0.03	-1.15
339	115	-1.53	5.71e-03	-1.89e-05	-0.19	0.0	2.40	3.60	0.04	6.90e-03	-0.02	-3.63
		-3.63	-0.02	-3.40e-04	0.0	60.0	2.40	3.41	0.04	6.90e-03	5.71e-03	-1.53
339	125	2.93	0.13	8.08e-06	-0.19	0.0	-3.43	-1.88	-0.34	3.55e-03	0.13	2.93
		1.74	-0.07	1.80e-04	0.0	60.0	-3.43	-2.07	-0.34	3.55e-03	-0.07	1.74
339	126	-0.64	0.06	-6.32e-05	-0.19	0.0	1.92	2.10	0.32	1.24e-03	-0.13	-1.84
		-1.84	-0.13	-1.76e-04	0.0	60.0	1.92	1.91	0.32	1.24e-03	0.06	-0.64
339	144	5.25	0.02	-3.91e-05	-0.19	0.0	-4.30	-3.83	-0.05	-2.67e-03	0.02	5.25
		2.90	-0.01	3.87e-04	0.0	60.0	-4.30	-4.01	-0.05	-2.67e-03	-0.01	2.90
339	145	4.39	0.08	-3.23e-05	-0.19	0.0	-5.39	-3.11	-0.20	-4.75e-03	0.08	4.39
		2.47	-0.04	3.69e-04	0.0	60.0	-5.39	-3.30	-0.20	-4.75e-03	-0.04	2.47
339	146	-1.37	0.03	-2.47e-05	-0.19	0.0	3.88	3.33	0.19	9.53e-03	-0.08	-3.31
		-3.31	-0.08	-3.65e-04	0.0	60.0	3.88	3.14	0.19	9.53e-03	0.03	-1.37
339	147	-1.79	6.89e-03	-1.80e-05	-0.19	0.0	2.80	4.04	0.04	7.46e-03	-0.02	-4.16
		-4.16	-0.02	-3.83e-04	0.0	60.0	2.80	3.86	0.04	7.46e-03	6.89e-03	-1.79
339	157	3.23	0.15	1.26e-05	-0.19	0.0	-3.77	-2.14	-0.38	3.69e-03	0.15	3.23
		1.89	-0.08	2.03e-04	0.0	60.0	-3.77	-2.33	-0.38	3.69e-03	-0.08	1.89
339	158	-0.79	0.07	-6.78e-05	-0.19	0.0	2.27	2.36	0.37	1.10e-03	-0.15	-2.15
		-2.15	-0.15	-1.99e-04	0.0	60.0	2.27	2.17	0.37	1.10e-03	0.07	-0.79
339	173	5.27	0.09	-2.42e-05	-0.19	0.0	-5.40	-3.84	-0.22	-2.41e-03	0.09	5.27
		2.91	-0.05	3.99e-04	0.0	60.0	-5.40	-4.03	-0.22	-2.41e-03	-0.05	2.91
339	174	-1.80	0.04	-3.92e-05	-0.19	0.0	3.89	4.06	0.21	7.20e-03	-0.09	-4.18
		-4.18	-0.09	-3.95e-04	0.0	60.0	3.89	3.87	0.21	7.20e-03	0.04	-1.80
339	176	5.28	0.02	-3.48e-05	-0.19	0.0	-4.32	-3.85	-0.05	-2.31e-03	0.02	5.28
		2.91	-0.01	3.82e-04	0.0	60.0	-4.32	-4.04	-0.05	-2.31e-03	-0.01	2.91
339	179	-1.81	6.54e-03	-2.37e-05	-0.19	0.0	2.81	4.07	0.04	7.09e-03	-0.02	-4.19

		-4.19	-0.02	-3.78e-04	0.0	60.0	2.81	3.88	0.04	7.09e-03	6.54e-03	-1.81
339	189	3.27	0.15	1.44e-05	-0.19	0.0	-3.81	-2.17	-0.37	3.69e-03	0.15	3.27
		1.91	-0.07	2.05e-04	0.0	60.0	-3.81	-2.35	-0.37	3.69e-03	-0.07	1.91
339	190	-0.81	0.07	-6.95e-05	-0.19	0.0	2.30	2.38	0.36	1.09e-03	-0.15	-2.18
		-2.18	-0.15	-2.02e-04	0.0	60.0	2.30	2.20	0.36	1.09e-03	0.07	-0.81
339	205	6.12	0.10	-2.35e-05	-0.19	0.0	-6.24	-4.55	-0.26	-3.04e-03	0.10	6.12
		3.33	-0.05	4.66e-04	0.0	60.0	-6.24	-4.74	-0.26	-3.04e-03	-0.05	3.33
339	206	-2.23	0.05	-4.45e-05	-0.19	0.0	4.73	4.77	0.25	7.83e-03	-0.10	-5.03
		-5.03	-0.10	-4.62e-04	0.0	60.0	4.73	4.58	0.25	7.83e-03	0.05	-2.23
339	216	6.18	0.02	-2.97e-05	-0.19	0.0	-4.69	-4.61	-0.06	-3.19e-03	0.02	6.18
		3.36	-0.01	4.95e-04	0.0	60.0	-4.69	-4.80	-0.06	-3.19e-03	-0.01	3.36
339	219	-2.25	7.22e-03	-3.42e-05	-0.19	0.0	3.18	4.83	0.04	7.98e-03	-0.02	-5.09
		-5.09	-0.02	-4.91e-04	0.0	60.0	3.18	4.64	0.04	7.98e-03	7.22e-03	-2.25
339	221	3.77	0.17	2.26e-05	-0.19	0.0	-4.37	-2.59	-0.43	3.94e-03	0.17	3.77
		2.16	-0.09	2.43e-04	0.0	60.0	-4.37	-2.78	-0.43	3.94e-03	-0.09	2.16
339	222	-1.06	0.08	-7.77e-05	-0.19	0.0	2.87	2.81	0.42	8.47e-04	-0.17	-2.69
		-2.69	-0.17	-2.39e-04	0.0	60.0	2.87	2.62	0.42	8.47e-04	0.08	-1.06
340	3	0.84	-0.02	1.35e-05	-0.12	0.0	-2.41	1.35	0.19	3.46e-03	-0.08	0.45
		0.45	-0.08	-1.33e-06	0.0	30.0	-2.41	1.23	0.19	3.46e-03	-0.02	0.45
340	18	0.83	-0.05	1.08e-05	-0.12	0.0	-2.28	1.26	0.27	2.78e-03	-0.13	0.47
		0.47	-0.13	0.0	0.0	30.0	-2.28	1.13	0.27	2.78e-03	-0.05	0.83
340	19	0.64	-0.06	0.0	-0.09	0.0	-1.45	0.61	0.24	1.95e-03	-0.13	0.47
		0.47	-0.13	0.0	0.0	30.0	-1.45	0.52	0.24	1.95e-03	-0.06	0.64
340	28	0.81	0.14	1.63e-05	-0.12	0.0	-2.54	1.47	-0.17	3.21e-03	0.14	0.39
		0.39	0.09	-2.34e-06	0.0	30.0	-2.54	1.35	-0.17	3.21e-03	0.09	0.81
340	32	0.63	0.14	1.42e-05	-0.09	0.0	-2.03	1.21	-0.18	2.56e-03	0.14	0.28
		0.28	0.09	-2.17e-06	0.0	30.0	-2.03	1.12	-0.18	2.56e-03	0.09	0.63
340	45	0.61	0.24	3.99e-06	-0.09	0.0	-1.63	0.71	-0.37	2.18e-03	0.24	0.41
		0.41	0.13	-1.54e-06	0.0	30.0	-1.63	0.61	-0.37	2.18e-03	0.13	0.61
340	67	0.64	-0.02	9.03e-06	-0.09	0.0	-1.80	0.98	0.13	2.57e-03	-0.06	0.36
		0.36	-0.06	0.0	0.0	30.0	-1.80	0.88	0.13	2.57e-03	-0.02	0.64
340	72	0.63	-0.03	2.01e-06	-0.09	0.0	-1.50	0.65	0.17	2.00e-03	-0.09	0.45
		0.45	-0.09	0.0	0.0	30.0	-1.50	0.56	0.17	2.00e-03	-0.03	0.63
340	75	0.63	-0.03	7.24e-06	-0.09	0.0	-1.71	0.91	0.19	2.12e-03	-0.09	0.38
		0.38	-0.09	0.0	0.0	30.0	-1.71	0.82	0.19	2.12e-03	-0.03	0.63
340	80	0.62	0.09	1.09e-05	-0.09	0.0	-1.89	1.05	-0.11	2.40e-03	0.09	0.32
		0.32	0.06	-1.49e-06	0.0	30.0	-1.89	0.96	-0.11	2.40e-03	0.06	0.62
340	85	0.61	0.16	4.08e-06	-0.09	0.0	-1.62	0.72	-0.23	2.15e-03	0.16	0.41
		0.41	0.09	-1.06e-06	0.0	30.0	-1.62	0.63	-0.23	2.15e-03	0.09	0.61
340	98	0.63	8.79e-03	7.67e-06	-0.09	0.0	-1.74	0.90	0.05	2.45e-03	-5.52e-03	0.38
		0.38	-5.52e-03	0.0	0.0	30.0	-1.74	0.81	0.05	2.45e-03	8.79e-03	0.63
340	102	0.62	-1.59e-03	2.84e-06	-0.09	0.0	-1.54	0.68	0.06	2.05e-03	-0.02	0.43
		0.43	-0.02	0.0	0.0	30.0	-1.54	0.58	0.06	2.05e-03	-1.59e-03	0.62
340	103	0.63	1.84e-04	6.81e-06	-0.09	0.0	-1.71	0.86	0.07	2.38e-03	-0.02	0.39
		0.39	-0.02	0.0	0.0	30.0	-1.71	0.77	0.07	2.38e-03	1.84e-04	0.63
340	104	0.62	0.03	3.26e-06	-0.09	0.0	-1.56	0.69	-0.02	2.08e-03	0.03	0.43
		0.43	0.02	0.0	0.0	30.0	-1.56	0.60	-0.02	2.08e-03	0.02	0.62
340	106	0.62	6.73e-03	3.05e-06	-0.09	0.0	-1.55	0.69	0.04	2.07e-03	-4.27e-03	0.43
		0.43	-4.27e-03	0.0	0.0	30.0	-1.55	0.59	0.04	2.07e-03	6.73e-03	0.62
340	107	0.63	8.50e-03	7.01e-06	-0.09	0.0	-1.72	0.87	0.05	2.39e-03	-5.34e-03	0.38
		0.38	-5.34e-03	0.0	0.0	30.0	-1.72	0.78	0.05	2.39e-03	8.50e-03	0.63
340	112	0.28	0.02	-6.65e-06	-0.09	0.0	-1.43	5.26	0.18	-2.11e-03	0.01	-1.40
		-1.40	0.01	1.68e-04	0.0	30.0	-1.43	5.17	0.18	-2.11e-03	0.02	0.28
340	115	2.16	-7.00e-03	2.07e-05	-0.09	0.0	-2.00	-3.52	-0.09	6.90e-03	-0.03	2.16
		0.98	-0.03	-1.69e-04	0.0	30.0	-2.00	-3.62	-0.09	6.90e-03	-7.00e-03	0.98
340	121	0.17	0.07	1.42e-06	-0.09	0.0	-1.03	4.24	0.06	-3.96e-03	0.07	-0.97
		-0.97	0.05	1.66e-04	0.0	30.0	-1.03	4.15	0.06	-3.96e-03	0.05	0.17
340	122	1.74	-0.03	1.26e-05	-0.09	0.0	-2.40	-2.50	0.03	8.75e-03	-0.08	1.74
		1.09	-0.08	-1.67e-04	0.0	30.0	-2.40	-2.59	0.03	8.75e-03	-0.03	1.09
340	125	0.32	0.15	1.71e-05	-0.09	0.0	-1.84	3.35	-0.19	3.55e-03	0.15	-0.63
		-0.63	0.08	8.05e-05	0.0	30.0	-1.84	3.26	-0.19	3.55e-03	0.08	0.32
340	126	1.40	-0.06	-3.21e-06	-0.09	0.0	-1.59	-1.61	0.28	1.24e-03	-0.16	1.40
		0.94	-0.16	-8.16e-05	0.0	30.0	-1.59	-1.71	0.28	1.24e-03	-0.06	0.94
340	144	0.23	0.03	-8.34e-06	-0.09	0.0	-1.40	5.82	0.19	-2.67e-03	0.02	-1.62
		-1.62	0.02	1.89e-04	0.0	30.0	-1.40	5.73	0.19	-2.67e-03	0.03	0.23
340	147	2.39	-8.96e-03	2.24e-05	-0.09	0.0	-2.04	-4.08	-0.10	7.46e-03	-0.03	2.39
		1.03	-0.03	-1.90e-04	0.0	30.0	-2.04	-4.17	-0.10	7.46e-03	-8.96e-03	1.03
340	153	0.11	0.08	1.05e-06	-0.09	0.0	-0.94	4.69	0.06	-4.74e-03	0.08	-1.15
		-1.15	0.05	1.88e-04	0.0	30.0	-0.94	4.59	0.06	-4.74e-03	0.05	0.11
340	154	1.92	-0.04	1.30e-05	-0.09	0.0	-2.49	-2.95	0.03	9.52e-03	-0.09	1.92
		1.15	-0.09	-1.89e-04	0.0	30.0	-2.49	-3.04	0.03	9.52e-03	-0.04	1.15
340	157	0.28	0.17	1.84e-05	-0.09	0.0	-1.86	3.67	-0.22	3.69e-03	0.17	-0.76
		-0.76	0.09	9.10e-05	0.0	30.0	-1.86	3.58	-0.22	3.69e-03	0.09	0.28
340	158	1.53	-0.07	-4.35e-06	-0.09	0.0	-1.57	-1.93	0.31	1.10e-03	-0.18	1.53
		0.98	-0.18	-9.21e-05	0.0	30.0	-1.57	-2.03	0.31	1.10e-03	-0.07	0.98

340	176	0.23	0.03	-6.82e-06	-0.09	0.0	-1.39	5.84	0.19	-2.31e-03	0.02	-1.63
		-1.63	0.02	1.87e-04	0.0	30.0	-1.39	5.74	0.19	-2.31e-03	0.03	0.23
340	179	2.40	-8.23e-03	2.09e-05	-0.09	0.0	-2.04	-4.10	-0.10	7.09e-03	-0.03	2.40
		1.03	-0.03	-1.88e-04	0.0	30.0	-2.04	-4.19	-0.10	7.09e-03	-8.23e-03	1.03
340	185	0.09	0.08	4.46e-06	-0.09	0.0	-0.92	4.83	0.06	-4.40e-03	0.08	-1.22
		-1.22	0.05	1.89e-04	0.0	30.0	-0.92	4.74	0.06	-4.40e-03	0.05	0.09
340	186	1.98	-0.03	9.57e-06	-0.09	0.0	-2.51	-3.09	0.03	9.18e-03	-0.09	1.98
		1.17	-0.09	-1.90e-04	0.0	30.0	-2.51	-3.19	0.03	9.18e-03	-0.03	1.17
340	189	0.27	0.17	1.85e-05	-0.09	0.0	-1.86	3.71	-0.22	3.69e-03	0.17	-0.78
		-0.78	0.09	9.22e-05	0.0	30.0	-1.86	3.62	-0.22	3.69e-03	0.09	0.27
340	190	1.55	-0.07	-4.45e-06	-0.09	0.0	-1.58	-1.97	0.31	1.09e-03	-0.18	1.55
		0.98	-0.18	-9.33e-05	0.0	30.0	-1.58	-2.06	0.31	1.09e-03	-0.07	0.98
340	216	0.14	0.03	7.28e-06	-0.09	0.0	-0.97	6.78	0.21	-3.19e-03	0.02	-2.03
		-2.03	0.02	2.43e-04	0.0	30.0	-0.97	6.69	0.21	-3.19e-03	0.03	0.14
340	217	-0.02	0.09	5.87e-06	-0.09	0.0	-0.76	5.67	0.06	-5.53e-03	0.09	-1.56
		-1.56	0.06	2.27e-04	0.0	30.0	-0.76	5.58	0.06	-5.53e-03	0.06	-0.02
340	218	2.32	-0.04	8.16e-06	-0.09	0.0	-2.67	-3.93	0.03	0.01	-0.10	2.32
		1.28	-0.10	-2.28e-04	0.0	30.0	-2.67	-4.03	0.03	0.01	-0.04	1.28
340	219	2.79	-9.73e-03	6.75e-06	-0.09	0.0	-2.47	-5.04	-0.12	7.98e-03	-0.03	2.79
		1.12	-0.03	-2.44e-04	0.0	30.0	-2.47	-5.14	-0.12	7.98e-03	-9.73e-03	1.12
340	221	0.21	0.20	2.04e-05	-0.09	0.0	-1.88	4.24	-0.26	3.94e-03	0.20	-1.00
		-1.00	0.10	1.09e-04	0.0	30.0	-1.88	4.15	-0.26	3.94e-03	0.10	0.21
340	222	1.77	-0.09	-6.38e-06	-0.09	0.0	-1.55	-2.50	0.35	8.47e-04	-0.21	1.77
		1.05	-0.21	-1.10e-04	0.0	30.0	-1.55	-2.60	0.35	8.47e-04	-0.09	1.05
341	18	1.24	-0.05	1.54e-05	-0.12	0.0	-5.16	1.45	-0.31	2.78e-03	-0.05	0.83
		0.83	-0.14	0.0	0.0	30.0	-5.16	1.33	-0.31	2.78e-03	-0.14	1.24
341	19	0.83	-0.06	4.89e-06	-0.09	0.0	-2.77	0.70	-0.28	1.95e-03	-0.06	0.64
		0.64	-0.14	1.32e-06	0.0	30.0	-2.77	0.60	-0.28	1.95e-03	-0.14	0.83
341	28	1.31	0.15	2.05e-05	-0.12	0.0	-6.19	1.70	0.21	3.21e-03	0.09	0.81
		0.81	0.09	-1.06e-06	0.0	30.0	-6.19	1.58	0.21	3.21e-03	0.15	1.31
341	36	0.86	0.16	8.57e-06	-0.09	0.0	-3.66	0.93	0.25	1.36e-03	0.08	0.59
		0.59	0.08	0.0	0.0	30.0	-3.66	0.84	0.25	1.36e-03	0.16	0.86
341	45	0.84	0.27	7.67e-06	-0.09	0.0	-3.48	0.81	0.45	2.18e-03	0.13	0.61
		0.61	0.13	-1.15e-06	0.0	30.0	-3.48	0.72	0.45	2.18e-03	0.27	0.84
341	72	0.84	-0.03	5.91e-06	-0.09	0.0	-2.97	0.75	-0.20	2.00e-03	-0.03	0.63
		0.63	-0.09	1.07e-06	0.0	30.0	-2.97	0.66	-0.20	2.00e-03	-0.09	0.84
341	75	0.94	-0.03	1.08e-05	-0.09	0.0	-3.80	1.05	-0.21	2.12e-03	-0.03	0.63
		0.63	-0.10	0.0	0.0	30.0	-3.80	0.96	-0.21	2.12e-03	-0.10	0.94
341	80	0.98	0.10	1.42e-05	-0.09	0.0	-4.49	1.22	0.14	2.40e-03	0.06	0.62
		0.62	0.06	0.0	0.0	30.0	-4.49	1.12	0.14	2.40e-03	0.10	0.98
341	81	0.86	0.10	8.37e-06	-0.09	0.0	-3.57	0.91	0.15	1.60e-03	0.06	0.60
		0.60	0.06	0.0	0.0	30.0	-3.57	0.81	0.15	1.60e-03	0.10	0.86
341	85	0.85	0.18	7.77e-06	-0.09	0.0	-3.45	0.83	0.29	2.15e-03	0.09	0.61
		0.61	0.09	0.0	0.0	30.0	-3.45	0.73	0.29	2.15e-03	0.18	0.85
341	98	0.93	8.79e-03	1.12e-05	-0.09	0.0	-3.93	1.04	-0.05	2.45e-03	8.79e-03	0.63
		0.63	-5.53e-03	0.0	0.0	30.0	-3.93	0.95	-0.05	2.45e-03	-5.53e-03	0.93
341	99	0.85	6.92e-03	7.02e-06	-0.09	0.0	-3.25	0.81	-0.04	1.96e-03	6.92e-03	0.62
		0.62	-4.18e-03	0.0	0.0	30.0	-3.25	0.71	-0.04	1.96e-03	-4.18e-03	0.85
341	102	0.84	-1.59e-03	6.64e-06	-0.09	0.0	-3.16	0.78	-0.07	2.05e-03	-1.59e-03	0.62
		0.62	-0.02	0.0	0.0	30.0	-3.16	0.69	-0.07	2.05e-03	-0.02	0.84
341	103	0.92	1.84e-04	1.04e-05	-0.09	0.0	-3.78	1.00	-0.08	2.38e-03	1.84e-04	0.63
		0.63	-0.02	0.0	0.0	30.0	-3.78	0.90	-0.08	2.38e-03	-0.02	0.92
341	104	0.84	0.03	7.01e-06	-0.09	0.0	-3.25	0.80	0.03	2.08e-03	0.02	0.62
		0.62	0.02	0.0	0.0	30.0	-3.25	0.70	0.03	2.08e-03	0.03	0.84
341	106	0.84	6.73e-03	6.82e-06	-0.09	0.0	-3.21	0.79	-0.04	2.07e-03	6.73e-03	0.62
		0.62	-4.09e-03	0.0	0.0	30.0	-3.21	0.69	-0.04	2.07e-03	-4.09e-03	0.84
341	107	0.92	8.50e-03	1.06e-05	-0.09	0.0	-3.82	1.00	-0.05	2.39e-03	8.50e-03	0.63
		0.63	-5.32e-03	0.0	0.0	30.0	-3.82	0.91	-0.05	2.39e-03	-5.32e-03	0.92
341	109	1.94	0.06	-1.42e-06	-0.09	0.0	-6.35	5.89	-0.09	-2.20e-03	0.06	0.16
		0.16	-0.03	1.73e-04	0.0	30.0	-6.35	5.80	-0.09	-2.20e-03	-0.03	1.94
341	110	1.10	0.02	2.17e-05	-0.09	0.0	-1.30	-3.88	-2.05e-03	6.99e-03	-0.04	1.10
		-0.11	-0.04	-1.72e-04	0.0	30.0	-1.30	-3.98	-2.05e-03	6.99e-03	0.02	-0.11
341	113	1.75	0.05	-5.51e-06	-0.09	0.0	-6.48	5.01	-0.13	-3.96e-03	0.05	0.16
		0.16	-0.05	1.59e-04	0.0	30.0	-6.48	4.91	-0.13	-3.96e-03	-0.05	1.75
341	114	1.10	0.03	2.67e-05	-0.09	0.0	-1.17	-3.00	0.04	8.74e-03	-0.03	1.10
		0.08	-0.03	-1.58e-04	0.0	30.0	-1.17	-3.09	0.04	8.74e-03	0.03	0.08
341	124	0.87	-0.05	-7.00e-06	-0.09	0.0	-3.47	0.90	-0.41	-2.02e-03	-0.05	0.69
		0.69	-0.19	1.77e-05	0.0	30.0	-3.47	0.81	-0.41	-2.02e-03	-0.19	0.87
341	127	0.96	0.18	2.82e-05	-0.09	0.0	-4.18	1.10	0.31	6.80e-03	0.06	0.57
		0.57	0.06	-1.69e-05	0.0	30.0	-4.18	1.01	0.31	6.80e-03	0.18	0.96
341	141	2.07	0.06	-2.39e-06	-0.09	0.0	-6.67	6.51	-0.10	-2.77e-03	0.06	0.10
		0.10	-0.03	1.95e-04	0.0	30.0	-6.67	6.42	-0.10	-2.77e-03	-0.03	2.07
341	142	1.16	0.02	2.31e-05	-0.09	0.0	-0.98	-4.50	3.42e-03	7.56e-03	-0.04	1.16
		-0.24	-0.04	-1.94e-04	0.0	30.0	-0.98	-4.60	3.42e-03	7.56e-03	0.02	-0.24
341	145	1.86	0.05	-7.50e-06	-0.09	0.0	-6.81	5.51	-0.14	-4.75e-03	0.05	0.10

		0.10	-0.05	1.79e-04	0.0	30.0	-6.81	5.42	-0.14	-4.75e-03	-0.05	1.86
341	146	1.16	0.04	2.87e-05	-0.09	0.0	-0.84	-3.50	0.05	9.53e-03	-0.04	1.16
		-0.02	-0.04	-1.78e-04	0.0	30.0	-0.84	-3.60	0.05	9.53e-03	0.04	-0.02
341	156	0.87	-0.05	-9.16e-06	-0.09	0.0	-3.42	0.89	-0.45	-2.56e-03	-0.05	0.70
		0.70	-0.21	1.96e-05	0.0	30.0	-3.42	0.79	-0.45	-2.56e-03	-0.21	0.87
341	159	0.97	0.20	3.04e-05	-0.09	0.0	-4.23	1.12	0.36	7.35e-03	0.07	0.56
		0.56	0.07	-1.88e-05	0.0	30.0	-4.23	1.03	0.36	7.35e-03	0.20	0.97
341	173	2.07	0.06	-1.60e-06	-0.09	0.0	-6.67	6.54	-0.09	-2.41e-03	0.06	0.10
		0.10	-0.03	1.93e-04	0.0	30.0	-6.67	6.44	-0.09	-2.41e-03	-0.03	2.07
341	174	1.16	0.02	2.20e-05	-0.09	0.0	-0.98	-4.53	-2.36e-03	7.20e-03	-0.04	1.16
		-0.24	-0.04	-1.92e-04	0.0	30.0	-0.98	-4.62	-2.36e-03	7.20e-03	0.02	-0.24
341	185	1.83	0.05	9.50e-06	-0.09	0.0	-6.81	5.44	-0.13	-4.40e-03	0.05	0.09
		0.09	-0.05	1.90e-04	0.0	30.0	-6.81	5.34	-0.13	-4.40e-03	-0.05	1.83
341	186	1.17	0.04	1.17e-05	-0.09	0.0	-0.84	-3.43	0.04	9.18e-03	-0.03	1.17
		6.72e-03	-0.03	-1.89e-04	0.0	30.0	-0.84	-3.52	0.04	9.18e-03	0.04	6.72e-03
341	188	0.87	-0.05	-8.38e-06	-0.09	0.0	-3.41	0.85	-0.45	-2.33e-03	-0.05	0.71
		0.71	-0.21	1.66e-05	0.0	30.0	-3.41	0.75	-0.45	-2.33e-03	-0.21	0.87
341	191	0.97	0.20	2.96e-05	-0.09	0.0	-4.24	1.16	0.35	7.12e-03	0.07	0.55
		0.55	0.07	-1.57e-05	0.0	30.0	-4.24	1.07	0.35	7.12e-03	0.20	0.97
341	205	2.28	0.07	-2.63e-06	-0.09	0.0	-7.18	7.53	-0.09	-3.04e-03	0.07	4.26e-03
		4.26e-03	-0.03	2.25e-04	0.0	30.0	-7.18	7.44	-0.09	-3.04e-03	-0.03	2.28
341	206	1.26	0.02	2.34e-05	-0.09	0.0	-0.47	-5.52	2.59e-03	7.83e-03	-0.05	1.26
		-0.45	-0.05	-2.24e-04	0.0	30.0	-0.47	-5.62	2.59e-03	7.83e-03	0.02	-0.45
341	217	2.02	0.06	1.14e-05	-0.09	0.0	-7.42	6.38	-0.15	-5.53e-03	0.06	-0.02
		-0.02	-0.05	2.28e-04	0.0	30.0	-7.42	6.28	-0.15	-5.53e-03	-0.05	2.02
341	218	1.28	0.04	9.82e-06	-0.09	0.0	-0.23	-4.37	0.05	0.01	-0.04	1.28
		-0.19	-0.04	-2.27e-04	0.0	30.0	-0.23	-4.46	0.05	0.01	0.04	-0.19
341	220	0.85	-0.06	-1.11e-05	-0.09	0.0	-3.33	0.79	-0.51	-3.04e-03	-0.06	0.72
		0.72	-0.24	1.74e-05	0.0	30.0	-3.33	0.70	-0.51	-3.04e-03	-0.24	0.85
341	223	0.98	0.23	3.23e-05	-0.09	0.0	-4.32	1.22	0.42	7.83e-03	0.08	0.54
		0.54	0.08	-1.66e-05	0.0	30.0	-4.32	1.12	0.42	7.83e-03	0.23	0.98
342	19	0.83	0.09	4.09e-05	-0.19	0.0	-3.38	-0.02	0.39	1.95e-03	-0.14	0.83
		0.76	-0.14	-2.01e-05	0.0	60.0	-3.38	-0.21	0.39	1.95e-03	0.09	0.76
342	28	1.31	0.15	1.00e-04	-0.24	0.0	-6.86	-0.08	-0.46	3.21e-03	0.15	1.31
		1.18	-0.12	2.22e-05	0.0	60.0	-6.86	-0.33	-0.46	3.21e-03	-0.12	1.18
342	44	1.25	0.26	9.21e-05	-0.24	0.0	-6.45	-0.07	-0.76	3.01e-03	0.26	1.25
		1.14	-0.20	3.95e-05	0.0	60.0	-6.45	-0.31	-0.76	3.01e-03	-0.20	1.14
342	45	0.84	0.27	4.84e-05	-0.19	0.0	-3.81	-0.01	-0.77	2.18e-03	0.27	0.84
		0.77	-0.19	4.18e-05	0.0	60.0	-3.81	-0.20	-0.77	2.18e-03	-0.19	0.77
342	72	0.84	0.06	4.40e-05	-0.19	0.0	-3.56	-0.02	0.26	2.00e-03	-0.09	0.84
		0.77	-0.09	-1.33e-05	0.0	60.0	-3.56	-0.21	0.26	2.00e-03	0.06	0.77
342	80	0.98	0.10	7.18e-05	-0.19	0.0	-5.00	-0.06	-0.30	2.40e-03	0.10	0.98
		0.89	-0.08	1.50e-05	0.0	60.0	-5.00	-0.24	-0.30	2.40e-03	-0.08	0.89
342	85	0.85	0.18	4.90e-05	-0.19	0.0	-3.84	-0.02	-0.51	2.15e-03	0.18	0.85
		0.78	-0.13	2.80e-05	0.0	60.0	-3.84	-0.20	-0.51	2.15e-03	-0.13	0.78
342	88	0.94	0.17	6.63e-05	-0.19	0.0	-4.73	-0.04	-0.51	2.27e-03	0.17	0.94
		0.86	-0.13	2.65e-05	0.0	60.0	-4.73	-0.23	-0.51	2.27e-03	-0.13	0.86
342	98	0.93	-3.96e-03	6.18e-05	-0.19	0.0	-4.47	-0.05	2.62e-03	2.45e-03	-5.53e-03	0.93
		0.85	-5.53e-03	0.0	0.0	60.0	-4.47	-0.23	2.62e-03	2.45e-03	-3.96e-03	0.85
342	102	0.84	9.69e-03	4.60e-05	-0.19	0.0	-3.67	-0.02	0.05	2.05e-03	-0.02	0.84
		0.78	-0.02	-2.17e-06	0.0	60.0	-3.67	-0.21	0.05	2.05e-03	9.69e-03	0.78
342	104	0.84	0.03	4.70e-05	-0.19	0.0	-3.73	-0.02	-0.10	2.08e-03	0.03	0.84
		0.78	-0.03	6.08e-06	0.0	60.0	-3.73	-0.21	-0.10	2.08e-03	-0.03	0.78
342	105	0.92	0.03	6.01e-05	-0.19	0.0	-4.39	-0.04	-0.10	2.41e-03	0.03	0.92
		0.84	-0.03	4.99e-06	0.0	60.0	-4.39	-0.23	-0.10	2.41e-03	-0.03	0.84
342	106	0.84	-2.99e-03	4.65e-05	-0.19	0.0	-3.70	-0.02	1.83e-03	2.07e-03	-4.09e-03	0.84
		0.78	-4.09e-03	0.0	0.0	60.0	-3.70	-0.21	1.83e-03	2.07e-03	-2.99e-03	0.78
342	107	0.92	-3.82e-03	5.96e-05	-0.19	0.0	-4.36	-0.04	2.50e-03	2.39e-03	-5.32e-03	0.92
		0.84	-5.32e-03	0.0	0.0	60.0	-4.36	-0.23	2.50e-03	2.39e-03	-3.82e-03	0.84
342	109	1.94	-0.03	3.06e-05	-0.19	0.0	-7.72	-0.40	0.06	-2.20e-03	-0.03	1.94
		1.60	-0.07	3.64e-04	0.0	60.0	-7.72	-0.59	0.06	-2.20e-03	-0.07	1.60
342	110	0.08	0.06	8.86e-05	-0.19	0.0	-1.01	0.32	-0.06	6.99e-03	0.02	-0.11
		-0.11	0.02	-3.65e-04	0.0	60.0	-1.01	0.13	-0.06	6.99e-03	0.06	0.08
342	113	1.75	-0.05	2.31e-05	-0.19	0.0	-7.77	-0.40	0.11	-3.96e-03	-0.05	1.75
		1.46	-0.06	3.32e-04	0.0	60.0	-7.77	-0.59	0.11	-3.96e-03	-0.06	1.46
342	114	0.22	0.05	9.61e-05	-0.19	0.0	-0.96	0.32	-0.10	8.74e-03	0.03	0.08
		0.08	0.03	-3.33e-04	0.0	60.0	-0.96	0.13	-0.10	8.74e-03	0.05	0.22
342	124	0.87	0.07	2.52e-05	-0.19	0.0	-4.31	-0.30	0.47	-2.02e-03	-0.19	0.87
		0.81	-0.19	1.09e-05	0.0	60.0	-4.31	-0.49	0.47	-2.02e-03	0.07	0.81
342	127	0.96	0.18	9.40e-05	-0.19	0.0	-4.42	0.22	-0.46	6.80e-03	0.18	0.96
		0.87	-0.08	-1.19e-05	0.0	60.0	-4.42	0.03	-0.46	6.80e-03	-0.08	0.87
342	141	2.07	-0.03	2.70e-05	-0.19	0.0	-8.14	-0.44	0.07	-2.77e-03	-0.03	2.07
		1.69	-0.08	4.10e-04	0.0	60.0	-8.14	-0.63	0.07	-2.77e-03	-0.08	1.69
342	142	-0.02	0.07	9.22e-05	-0.19	0.0	-0.58	0.36	-0.06	7.56e-03	0.02	-0.24
		-0.24	0.02	-4.11e-04	0.0	60.0	-0.58	0.17	-0.06	7.56e-03	0.07	-0.24

342	145	1.86	-0.05	1.86e-05	-0.19	0.0	-8.20	-0.45	0.12	-4.75e-03	-0.05	1.86
		1.53	-0.07	3.74e-04	0.0	60.0	-8.20	-0.63	0.12	-4.75e-03	-0.07	1.53
342	146	0.14	0.06	1.01e-04	-0.19	0.0	-0.53	0.36	-0.12	9.53e-03	0.04	-0.02
		-0.02	0.04	-3.75e-04	0.0	60.0	-0.53	0.17	-0.12	9.53e-03	0.06	0.14
342	156	0.87	0.08	2.08e-05	-0.19	0.0	-4.30	-0.34	0.52	-2.56e-03	-0.21	0.87
		0.80	-0.21	1.18e-05	0.0	60.0	-4.30	-0.52	0.52	-2.56e-03	0.08	0.80
342	159	0.97	0.20	9.84e-05	-0.19	0.0	-4.43	0.25	-0.52	7.35e-03	0.20	0.97
		0.87	-0.09	-1.28e-05	0.0	60.0	-4.43	0.07	-0.52	7.35e-03	-0.09	0.87
342	173	2.07	-0.03	3.01e-05	-0.19	0.0	-8.15	-0.44	0.06	-2.41e-03	-0.03	2.07
		1.69	-0.07	4.05e-04	0.0	60.0	-8.15	-0.63	0.06	-2.41e-03	-0.07	1.69
342	174	-0.02	0.07	8.91e-05	-0.19	0.0	-0.57	0.36	-0.06	7.20e-03	0.02	-0.24
		-0.24	0.02	-4.05e-04	0.0	60.0	-0.57	0.17	-0.06	7.20e-03	0.07	-0.02
342	177	1.86	-0.05	2.12e-05	-0.19	0.0	-8.20	-0.44	0.12	-4.32e-03	-0.05	1.86
		1.53	-0.06	3.66e-04	0.0	60.0	-8.20	-0.63	0.12	-4.32e-03	-0.06	1.53
342	178	0.14	0.06	9.80e-05	-0.19	0.0	-0.53	0.36	-0.11	9.10e-03	0.04	-0.02
		-0.02	0.04	-3.67e-04	0.0	60.0	-0.53	0.17	-0.11	9.10e-03	0.06	0.14
342	188	0.87	0.08	2.14e-05	-0.19	0.0	-4.27	-0.34	0.52	-2.33e-03	-0.21	0.87
		0.80	-0.21	5.80e-06	0.0	60.0	-4.27	-0.53	0.52	-2.33e-03	0.08	0.80
342	191	0.97	0.20	9.78e-05	-0.19	0.0	-4.46	0.25	-0.51	7.12e-03	0.20	0.97
		0.87	-0.09	-6.77e-06	0.0	60.0	-4.46	0.07	-0.51	7.12e-03	-0.09	0.87
342	205	2.28	-0.03	2.68e-05	-0.19	0.0	-8.83	-0.51	0.07	-3.04e-03	-0.03	2.28
		1.85	-0.09	4.73e-04	0.0	60.0	-8.83	-0.70	0.07	-3.04e-03	-0.09	1.85
342	206	-0.18	0.08	9.24e-05	-0.19	0.0	0.11	0.43	-0.06	7.83e-03	0.02	-0.45
		-0.45	0.02	-4.74e-04	0.0	60.0	0.11	0.24	-0.06	7.83e-03	0.08	-0.18
342	209	2.02	-0.05	1.61e-05	-0.19	0.0	-8.88	-0.51	0.13	-5.26e-03	-0.05	2.02
		1.66	-0.07	4.26e-04	0.0	60.0	-8.88	-0.70	0.13	-5.26e-03	-0.07	1.66
342	210	0.02	0.07	1.03e-04	-0.19	0.0	0.15	0.43	-0.13	0.01	0.04	-0.19
		-0.19	0.04	-4.27e-04	0.0	60.0	0.15	0.24	-0.13	0.01	0.07	0.02
342	220	0.85	0.09	1.51e-05	-0.19	0.0	-4.23	-0.39	0.60	-3.04e-03	-0.24	0.85
		0.79	-0.24	3.31e-06	0.0	60.0	-4.23	-0.58	0.60	-3.04e-03	0.09	0.79
342	223	0.98	0.23	1.04e-04	-0.19	0.0	-4.50	0.31	-0.60	7.83e-03	0.23	0.98
		0.88	-0.10	-4.18e-06	0.0	60.0	-4.50	0.12	-0.60	7.83e-03	-0.10	0.88
343	3	0.53	-0.01	1.86e-04	-0.23	0.0	-2.95	-0.40	0.08	3.46e-03	-0.06	0.53
		0.24	-0.06	-6.13e-06	0.0	56.0	-2.95	-0.63	0.08	3.46e-03	-0.01	0.24
343	18	0.51	-0.01	1.76e-04	-0.23	0.0	-2.78	-0.41	0.14	2.78e-03	-0.09	0.51
		0.22	-0.09	-5.13e-06	0.0	56.0	-2.78	-0.63	0.14	2.78e-03	-0.01	0.22
343	19	0.39	-9.18e-03	1.07e-04	-0.18	0.0	-1.67	-0.26	0.15	1.95e-03	-0.09	0.39
		0.20	-0.09	0.0	0.0	56.0	-1.67	-0.44	0.15	1.95e-03	-9.18e-03	0.20
343	28	0.51	0.09	1.93e-04	-0.23	0.0	-3.14	-0.43	-0.19	3.21e-03	0.09	0.51
		0.21	-0.01	-8.34e-06	0.0	56.0	-3.14	-0.66	-0.19	3.21e-03	-0.01	0.21
343	38	0.38	0.10	1.46e-04	-0.18	0.0	-2.39	-0.35	-0.19	1.93e-03	0.10	0.38
		0.13	-8.40e-03	-6.60e-06	0.0	56.0	-2.39	-0.53	-0.19	1.93e-03	-8.40e-03	0.13
343	45	0.39	0.17	1.15e-04	-0.18	0.0	-1.89	-0.27	-0.31	2.18e-03	0.17	0.39
		0.19	-3.66e-03	-3.77e-06	0.0	56.0	-1.89	-0.45	-0.31	2.18e-03	-3.66e-03	0.19
343	67	0.40	-0.01	1.37e-04	-0.18	0.0	-2.19	-0.30	0.05	2.57e-03	-0.04	0.40
		0.19	-0.04	-4.15e-06	0.0	56.0	-2.19	-0.47	0.05	2.57e-03	-0.01	0.19
343	72	0.39	-8.71e-03	1.10e-04	-0.18	0.0	-1.74	-0.27	0.09	2.00e-03	-0.06	0.39
		0.19	-0.06	-1.27e-06	0.0	56.0	-1.74	-0.44	0.09	2.00e-03	-8.71e-03	0.19
343	75	0.39	-0.01	1.31e-04	-0.18	0.0	-2.07	-0.30	0.09	2.12e-03	-0.06	0.39
		0.17	-0.06	-3.48e-06	0.0	56.0	-2.07	-0.48	0.09	2.12e-03	-0.01	0.17
343	80	0.39	0.06	1.42e-04	-0.18	0.0	-2.31	-0.32	-0.13	2.40e-03	0.06	0.39
		0.16	-8.43e-03	-5.63e-06	0.0	56.0	-2.31	-0.50	-0.13	2.40e-03	-8.43e-03	0.16
343	83	0.38	0.06	1.37e-04	-0.18	0.0	-2.22	-0.33	-0.13	1.98e-03	0.06	0.38
		0.15	-8.18e-03	-5.15e-06	0.0	56.0	-2.22	-0.50	-0.13	1.98e-03	-8.18e-03	0.15
343	85	0.39	0.11	1.16e-04	-0.18	0.0	-1.88	-0.28	-0.21	2.15e-03	0.11	0.39
		0.19	-5.02e-03	-3.18e-06	0.0	56.0	-1.88	-0.45	-0.21	2.15e-03	-5.02e-03	0.19
343	98	0.40	-5.63e-03	1.31e-04	-0.18	0.0	-2.10	-0.29	-5.62e-03	2.45e-03	-5.63e-03	0.40
		0.19	-8.77e-03	-3.63e-06	0.0	56.0	-2.10	-0.47	-5.62e-03	2.45e-03	-8.77e-03	0.19
343	101	0.39	-5.53e-03	1.29e-04	-0.18	0.0	-2.07	-0.30	-5.70e-03	2.29e-03	-5.53e-03	0.39
		0.18	-8.72e-03	-3.49e-06	0.0	56.0	-2.07	-0.47	-5.70e-03	2.29e-03	-8.72e-03	0.18
343	102	0.39	-7.58e-03	1.12e-04	-0.18	0.0	-1.79	-0.27	0.01	2.05e-03	-0.02	0.39
		0.19	-0.02	-1.65e-06	0.0	56.0	-1.79	-0.45	0.01	2.05e-03	-7.58e-03	0.19
343	103	0.40	-8.84e-03	1.28e-04	-0.18	0.0	-2.04	-0.29	0.01	2.38e-03	-0.02	0.40
		0.19	-0.02	-3.26e-06	0.0	56.0	-2.04	-0.46	0.01	2.38e-03	-8.84e-03	0.19
343	104	0.39	0.02	1.14e-04	-0.18	0.0	-1.82	-0.27	-0.05	2.08e-03	0.02	0.39
		0.19	-6.84e-03	-2.03e-06	0.0	56.0	-1.82	-0.45	-0.05	2.08e-03	-6.84e-03	0.19
343	106	0.39	-4.33e-03	1.13e-04	-0.18	0.0	-1.81	-0.27	-5.29e-03	2.07e-03	-4.33e-03	0.39
		0.19	-7.30e-03	-1.74e-06	0.0	56.0	-1.81	-0.45	-5.29e-03	2.07e-03	-7.30e-03	0.19
343	107	0.40	-5.44e-03	1.28e-04	-0.18	0.0	-2.06	-0.29	-5.57e-03	2.39e-03	-5.44e-03	0.40
		0.19	-8.56e-03	-3.36e-06	0.0	56.0	-2.06	-0.46	-5.57e-03	2.39e-03	-8.56e-03	0.19
343	109	0.51	-8.80e-03	7.73e-05	-0.18	0.0	-2.86	-0.43	-0.16	-2.20e-03	-0.02	0.51
		0.20	-0.02	3.23e-04	0.0	56.0	-2.86	-0.60	-0.16	-2.20e-03	-8.80e-03	0.20
343	113	0.48	-0.01	7.18e-05	-0.18	0.0	-2.88	-0.43	-0.14	-3.96e-03	-0.04	0.48
		0.20	-0.04	2.97e-04	0.0	56.0	-2.88	-0.60	-0.14	-3.96e-03	-0.01	0.20
343	114	0.32	0.03	1.85e-04	-0.18	0.0	-1.24	-0.15	0.13	8.74e-03	0.03	0.32

		0.17	-7.00e-03	-3.03e-04	0.0	56.0	-1.24	-0.33	0.13	8.74e-03	-7.00e-03	0.17
343	124	0.36	-0.02	9.40e-05	-0.18	0.0	-2.06	-0.28	0.16	-2.02e-03	-0.15	0.36
		0.25	-0.15	1.92e-05	0.0	56.0	-2.06	-0.46	0.16	-2.02e-03	-0.02	0.25
343	127	0.43	0.14	1.63e-04	-0.18	0.0	-2.05	-0.30	-0.18	6.80e-03	0.14	0.43
		0.12	7.71e-03	-2.59e-05	0.0	56.0	-2.05	-0.47	-0.18	6.80e-03	7.71e-03	0.12
343	141	0.52	-8.83e-03	7.09e-05	-0.18	0.0	-2.96	-0.44	-0.18	-2.77e-03	-0.03	0.52
		0.20	-0.03	3.64e-04	0.0	56.0	-2.96	-0.62	-0.18	-2.77e-03	-8.83e-03	0.20
343	145	0.49	-0.01	6.46e-05	-0.18	0.0	-2.98	-0.44	-0.15	-4.75e-03	-0.04	0.49
		0.21	-0.04	3.34e-04	0.0	56.0	-2.98	-0.62	-0.15	-4.75e-03	-0.01	0.21
343	146	0.31	0.03	1.92e-04	-0.18	0.0	-1.14	-0.13	0.14	9.53e-03	0.03	0.31
		0.17	-6.81e-03	-3.41e-04	0.0	56.0	-1.14	-0.31	0.14	9.53e-03	-6.81e-03	0.17
343	156	0.36	-0.03	8.96e-05	-0.18	0.0	-2.06	-0.28	0.19	-2.56e-03	-0.17	0.36
		0.26	-0.17	2.15e-05	0.0	56.0	-2.06	-0.46	0.19	-2.56e-03	-0.03	0.26
343	159	0.44	0.16	1.67e-04	-0.18	0.0	-2.05	-0.30	-0.20	7.35e-03	0.16	0.44
		0.11	9.74e-03	-2.82e-05	0.0	56.0	-2.05	-0.47	-0.20	7.35e-03	9.74e-03	0.11
343	173	0.52	-8.61e-03	7.23e-05	-0.18	0.0	-2.96	-0.44	-0.18	-2.41e-03	-0.02	0.52
		0.20	-0.02	3.59e-04	0.0	56.0	-2.96	-0.62	-0.18	-2.41e-03	-8.61e-03	0.20
343	177	0.49	-0.01	6.54e-05	-0.18	0.0	-2.98	-0.44	-0.15	-4.32e-03	-0.04	0.49
		0.21	-0.04	3.27e-04	0.0	56.0	-2.98	-0.62	-0.15	-4.32e-03	-0.01	0.21
343	178	0.31	0.03	1.92e-04	-0.18	0.0	-1.14	-0.13	0.14	9.10e-03	0.03	0.31
		0.17	-7.03e-03	-3.34e-04	0.0	56.0	-1.14	-0.31	0.14	9.10e-03	-7.03e-03	0.17
343	188	0.36	-0.03	8.91e-05	-0.18	0.0	-2.06	-0.28	0.18	-2.33e-03	-0.16	0.36
		0.26	-0.16	1.61e-05	0.0	56.0	-2.06	-0.46	0.18	-2.33e-03	-0.03	0.26
343	191	0.43	0.15	1.68e-04	-0.18	0.0	-2.05	-0.30	-0.20	7.12e-03	0.15	0.43
		0.11	9.41e-03	-2.28e-05	0.0	56.0	-2.05	-0.47	-0.20	7.12e-03	9.41e-03	0.11
343	205	0.54	-8.51e-03	6.31e-05	-0.18	0.0	-3.12	-0.47	-0.20	-3.04e-03	-0.03	0.54
		0.20	-0.03	4.20e-04	0.0	56.0	-3.12	-0.65	-0.20	-3.04e-03	-8.51e-03	0.20
343	209	0.50	-0.01	5.45e-05	-0.18	0.0	-3.14	-0.47	-0.17	-5.26e-03	-0.05	0.50
		0.21	-0.05	3.81e-04	0.0	56.0	-3.14	-0.65	-0.17	-5.26e-03	-0.01	0.21
343	210	0.29	0.03	2.02e-04	-0.18	0.0	-0.98	-0.10	0.16	0.01	0.03	0.29
		0.17	-6.88e-03	-3.88e-04	0.0	56.0	-0.98	-0.28	0.16	0.01	-6.88e-03	0.17
343	220	0.36	-0.03	8.19e-05	-0.18	0.0	-2.06	-0.28	0.22	-3.04e-03	-0.19	0.36
		0.27	-0.19	1.60e-05	0.0	56.0	-2.06	-0.45	0.22	-3.04e-03	-0.03	0.27
343	223	0.44	0.18	1.75e-04	-0.18	0.0	-2.05	-0.30	-0.23	7.83e-03	0.18	0.44
		0.10	0.01	-2.27e-05	0.0	56.0	-2.05	-0.48	-0.23	7.83e-03	0.01	0.10
344	4	0.21	0.03	1.92e-04	-0.23	0.0	-0.87	-0.27	0.08	3.07e-03	-0.01	0.21
		0.0	-0.01	-9.00e-06	0.0	56.0	-0.87	-0.49	0.08	3.07e-03	0.03	0.0
344	12	0.14	0.01	1.17e-04	-0.18	0.0	-0.51	-0.17	0.04	1.22e-03	-9.50e-03	0.14
		0.0	-9.50e-03	-3.54e-06	0.0	56.0	-0.51	-0.35	0.04	1.22e-03	0.01	0.0
344	15	0.25	8.79e-03	1.52e-04	-0.23	0.0	-0.67	-0.33	0.04	2.60e-03	-0.01	0.25
		0.0	-0.01	-3.61e-06	0.0	56.0	-0.67	-0.56	0.04	2.60e-03	8.79e-03	0.0
344	19	0.20	3.18e-03	1.12e-04	-0.18	0.0	-0.49	-0.27	0.02	1.95e-03	-9.18e-03	0.20
		0.0	-9.18e-03	-2.14e-06	0.0	56.0	-0.49	-0.44	0.02	1.95e-03	3.18e-03	0.0
344	28	0.21	0.04	1.96e-04	-0.23	0.0	-0.91	-0.25	0.09	3.21e-03	-0.01	0.21
		0.0	-0.01	-1.05e-05	0.0	56.0	-0.91	-0.48	0.09	3.21e-03	0.04	0.0
344	68	0.17	0.02	1.43e-04	-0.18	0.0	-0.64	-0.21	0.06	2.31e-03	-0.01	0.17
		0.0	-0.01	-6.21e-06	0.0	56.0	-0.64	-0.39	0.06	2.31e-03	0.02	0.0
344	69	0.16	0.01	1.18e-04	-0.18	0.0	-0.52	-0.19	0.04	1.51e-03	-8.92e-03	0.16
		0.0	-8.92e-03	-3.54e-06	0.0	56.0	-0.52	-0.37	0.04	1.51e-03	0.01	0.0
344	72	0.19	6.58e-03	1.16e-04	-0.18	0.0	-0.51	-0.26	0.03	2.00e-03	-8.71e-03	0.19
		0.0	-8.71e-03	-2.61e-06	0.0	56.0	-0.51	-0.43	0.03	2.00e-03	6.58e-03	0.0
344	80	0.16	0.03	1.45e-04	-0.18	0.0	-0.67	-0.21	0.06	2.40e-03	-8.43e-03	0.16
		0.0	-8.43e-03	-7.19e-06	0.0	56.0	-0.67	-0.38	0.06	2.40e-03	0.03	0.0
344	98	0.19	0.02	1.35e-04	-0.18	0.0	-0.61	-0.25	0.05	2.45e-03	-8.77e-03	0.19
		0.0	-8.77e-03	-5.10e-06	0.0	56.0	-0.61	-0.42	0.05	2.45e-03	0.02	0.0
344	99	0.18	0.01	1.18e-04	-0.18	0.0	-0.53	-0.24	0.03	1.96e-03	-7.45e-03	0.18
		0.0	-7.45e-03	-3.12e-06	0.0	56.0	-0.53	-0.42	0.03	1.96e-03	0.01	0.0
344	102	0.19	0.01	1.17e-04	-0.18	0.0	-0.52	-0.25	0.03	2.05e-03	-7.58e-03	0.19
		0.0	-7.58e-03	-2.89e-06	0.0	56.0	-0.52	-0.43	0.03	2.05e-03	0.01	0.0
344	103	0.19	0.02	1.32e-04	-0.18	0.0	-0.60	-0.25	0.05	2.38e-03	-8.84e-03	0.19
		0.0	-8.84e-03	-4.73e-06	0.0	56.0	-0.60	-0.42	0.05	2.38e-03	0.02	0.0
344	105	0.19	0.02	1.33e-04	-0.18	0.0	-0.61	-0.24	0.05	2.41e-03	-8.11e-03	0.19
		0.0	-8.11e-03	-5.06e-06	0.0	56.0	-0.61	-0.42	0.05	2.41e-03	0.02	0.0
344	106	0.19	0.01	1.18e-04	-0.18	0.0	-0.53	-0.25	0.03	2.07e-03	-7.30e-03	0.19
		0.0	-7.30e-03	-2.96e-06	0.0	56.0	-0.53	-0.43	0.03	2.07e-03	0.01	0.0
344	107	0.19	0.02	1.33e-04	-0.18	0.0	-0.60	-0.25	0.05	2.39e-03	-8.56e-03	0.19
		0.0	-8.56e-03	-4.80e-06	0.0	56.0	-0.60	-0.42	0.05	2.39e-03	0.02	0.0
344	112	0.23	-0.02	7.51e-05	-0.18	0.0	-0.48	-0.32	-0.03	-2.11e-03	-0.02	0.23
		0.0	-0.03	3.05e-04	0.0	56.0	-0.48	-0.49	-0.03	-2.11e-03	-0.03	0.0
344	115	0.15	0.06	1.91e-04	-0.18	0.0	-0.73	-0.18	0.12	6.90e-03	-7.19e-04	0.15
		0.0	-7.19e-04	-3.14e-04	0.0	56.0	-0.73	-0.35	0.12	6.90e-03	0.06	0.0
344	116	0.23	-3.11e-03	1.64e-03	-0.18	0.0	-0.37	-0.32	0.01	-3.87e-03	-0.02	0.23
		0.0	-0.02	2.94e-04	0.0	56.0	-0.37	-0.50	0.01	-3.87e-03	-3.11e-03	0.0
344	119	0.15	0.04	-1.38e-03	-0.18	0.0	-0.84	-0.17	0.08	8.66e-03	-4.68e-05	0.15
		0.0	-4.68e-05	-3.04e-04	0.0	56.0	-0.84	-0.35	0.08	8.66e-03	0.04	0.0

344	124	0.25	0.02	1.01e-04	-0.18	0.0	-0.50	-0.36	0.07	-2.02e-03	-0.02	0.25
		0.0	-0.02	1.46e-05	0.0	56.0	-0.50	-0.54	0.07	-2.02e-03	0.02	0.0
344	135	0.14	0.05	1.48e-04	-0.18	0.0	-0.69	-0.16	0.09	9.40e-04	3.32e-03	0.14
		0.0	3.32e-03	-1.11e-04	0.0	56.0	-0.69	-0.34	0.09	9.40e-04	0.05	0.0
344	144	0.23	-0.02	6.79e-05	-0.18	0.0	-0.46	-0.33	-0.03	-2.67e-03	-0.02	0.23
		0.0	-0.03	3.44e-04	0.0	56.0	-0.46	-0.50	-0.03	-2.67e-03	-0.03	0.0
344	147	0.14	0.07	1.98e-04	-0.18	0.0	-0.75	-0.17	0.13	7.46e-03	2.58e-04	0.14
		0.0	2.58e-04	-3.54e-04	0.0	56.0	-0.75	-0.34	0.13	7.46e-03	0.07	0.0
344	148	0.23	-5.76e-03	1.83e-03	-0.18	0.0	-0.34	-0.33	7.04e-03	-4.64e-03	-0.02	0.23
		0.0	-0.02	3.33e-04	0.0	56.0	-0.34	-0.50	7.04e-03	-4.64e-03	-5.76e-03	0.0
344	151	0.14	0.04	-1.56e-03	-0.18	0.0	-0.87	-0.16	0.09	9.42e-03	9.72e-04	0.14
		0.0	9.72e-04	-3.43e-04	0.0	56.0	-0.87	-0.34	0.09	9.42e-03	0.04	0.0
344	156	0.26	0.02	9.63e-05	-0.18	0.0	-0.48	-0.38	0.07	-2.56e-03	-0.03	0.26
		0.0	-0.03	1.65e-05	0.0	56.0	-0.48	-0.55	0.07	-2.56e-03	0.02	0.0
344	167	0.14	0.05	1.50e-04	-0.18	0.0	-0.70	-0.15	0.09	7.60e-04	4.80e-03	0.14
		0.0	4.80e-03	-1.25e-04	0.0	56.0	-0.70	-0.33	0.09	7.60e-04	0.05	0.0
344	176	0.23	-0.02	6.92e-05	-0.18	0.0	-0.46	-0.32	-0.03	-2.31e-03	-0.02	0.23
		0.0	-0.03	3.39e-04	0.0	56.0	-0.46	-0.50	-0.03	-2.31e-03	-0.03	0.0
344	179	0.14	0.07	1.97e-04	-0.18	0.0	-0.74	-0.17	0.13	7.09e-03	-1.21e-04	0.14
		0.0	-1.21e-04	-3.49e-04	0.0	56.0	-0.74	-0.34	0.13	7.09e-03	0.07	0.0
344	180	0.23	-5.70e-03	1.74e-03	-0.18	0.0	-0.33	-0.33	8.37e-03	-4.29e-03	-0.02	0.23
		0.0	-0.02	3.36e-04	0.0	56.0	-0.33	-0.50	8.37e-03	-4.29e-03	-5.70e-03	0.0
344	183	0.14	0.04	-1.48e-03	-0.18	0.0	-0.87	-0.17	0.09	9.08e-03	3.77e-04	0.14
		0.0	3.77e-04	-3.46e-04	0.0	56.0	-0.87	-0.34	0.09	9.08e-03	0.04	0.0
344	188	0.26	0.02	9.58e-05	-0.18	0.0	-0.48	-0.38	0.07	-2.33e-03	-0.03	0.26
		0.0	-0.03	1.11e-05	0.0	56.0	-0.48	-0.55	0.07	-2.33e-03	0.02	0.0
344	199	0.14	0.05	1.48e-04	-0.18	0.0	-0.70	-0.16	0.09	7.57e-04	4.45e-03	0.14
		0.0	4.45e-03	-1.27e-04	0.0	56.0	-0.70	-0.33	0.09	7.57e-04	0.05	0.0
344	208	0.24	-0.02	5.86e-05	-0.18	0.0	-0.44	-0.34	-0.05	-2.92e-03	-0.02	0.24
		0.0	-0.04	3.97e-04	0.0	56.0	-0.44	-0.51	-0.05	-2.92e-03	-0.04	0.0
344	211	0.14	0.07	2.07e-04	-0.18	0.0	-0.77	-0.16	0.14	7.71e-03	1.14e-03	0.14
		0.0	1.14e-03	-4.07e-04	0.0	56.0	-0.77	-0.33	0.14	7.71e-03	0.07	0.0
344	212	0.24	-0.01	2.02e-03	-0.18	0.0	-0.28	-0.34	1.20e-03	-5.41e-03	-0.02	0.24
		0.0	-0.02	4.04e-04	0.0	56.0	-0.28	-0.52	1.20e-03	-5.41e-03	-0.01	0.0
344	215	0.13	0.05	-1.75e-03	-0.18	0.0	-0.93	-0.15	0.09	0.01	1.68e-03	0.13
		0.0	1.68e-03	-4.14e-04	0.0	56.0	-0.93	-0.33	0.09	0.01	0.05	0.0
344	220	0.27	0.02	8.88e-05	-0.18	0.0	-0.46	-0.40	0.08	-3.04e-03	-0.03	0.27
		0.0	-0.03	1.04e-05	0.0	56.0	-0.46	-0.57	0.08	-3.04e-03	0.02	0.0
344	231	0.13	0.06	1.50e-04	-0.18	0.0	-0.72	-0.14	0.10	4.46e-04	6.50e-03	0.13
		0.0	6.50e-03	-1.50e-04	0.0	56.0	-0.72	-0.32	0.10	4.46e-04	0.06	0.0
345	3	0.24	0.01	-2.03e-04	-0.23	0.0	-0.72	0.55	0.03	6.89e-03	-8.89e-03	0.0
		0.0	-8.89e-03	4.17e-06	0.0	56.0	-0.72	0.32	0.03	6.89e-03	0.01	0.24
345	18	0.22	8.53e-03	-1.91e-04	-0.23	0.0	-0.69	0.50	0.04	6.01e-03	-0.01	0.0
		0.0	-0.01	2.89e-06	0.0	56.0	-0.69	0.27	0.04	6.01e-03	8.53e-03	0.22
345	28	0.23	0.01	-2.04e-04	-0.23	0.0	-0.68	0.52	0.02	6.60e-03	8.07e-04	0.0
		0.0	8.07e-04	6.67e-06	0.0	56.0	-0.68	0.29	0.02	6.60e-03	0.01	0.23
345	36	0.15	8.95e-03	-1.22e-04	-0.18	0.0	-0.43	0.36	0.01	2.82e-03	1.76e-03	0.0
		0.0	1.76e-03	4.05e-06	0.0	56.0	-0.43	0.18	0.01	2.82e-03	8.95e-03	0.15
345	41	0.26	0.01	-1.61e-04	-0.23	0.0	-0.59	0.58	0.01	4.41e-03	5.54e-03	0.0
		0.0	5.54e-03	4.91e-06	0.0	56.0	-0.59	0.35	0.01	4.41e-03	0.01	0.26
345	49	0.25	9.10e-03	-1.61e-04	-0.23	0.0	-0.61	0.56	0.02	4.50e-03	-2.04e-03	0.0
		0.0	-2.04e-03	3.88e-06	0.0	56.0	-0.61	0.34	0.02	4.50e-03	9.10e-03	0.25
345	67	0.19	7.65e-03	-1.50e-04	-0.18	0.0	-0.54	0.43	0.02	4.98e-03	-5.98e-03	0.0
		0.0	-5.98e-03	3.10e-06	0.0	56.0	-0.54	0.25	0.02	4.98e-03	7.65e-03	0.19
345	75	0.17	6.44e-03	-1.42e-04	-0.18	0.0	-0.52	0.40	0.03	4.39e-03	-8.96e-03	0.0
		0.0	-8.96e-03	2.24e-06	0.0	56.0	-0.52	0.22	0.03	4.39e-03	6.44e-03	0.17
345	80	0.18	0.01	-1.51e-04	-0.18	0.0	-0.51	0.41	0.02	4.78e-03	4.83e-04	0.0
		0.0	4.83e-04	4.76e-06	0.0	56.0	-0.51	0.23	0.02	4.78e-03	0.01	0.18
345	81	0.16	8.39e-03	-1.24e-04	-0.18	0.0	-0.44	0.38	0.01	3.08e-03	5.72e-04	0.0
		0.0	5.72e-04	3.73e-06	0.0	56.0	-0.44	0.21	0.01	3.08e-03	8.39e-03	0.16
345	85	0.20	8.24e-03	-1.22e-04	-0.18	0.0	-0.45	0.45	8.21e-03	3.32e-03	3.64e-03	0.0
		0.0	3.64e-03	3.59e-06	0.0	56.0	-0.45	0.27	8.21e-03	3.32e-03	8.24e-03	0.20
345	89	0.20	6.82e-03	-1.22e-04	-0.18	0.0	-0.46	0.44	0.01	3.38e-03	-1.41e-03	0.0
		0.0	-1.41e-03	2.90e-06	0.0	56.0	-0.46	0.26	0.01	3.38e-03	6.82e-03	0.20
345	97	0.20	6.82e-03	-1.22e-04	-0.18	0.0	-0.46	0.44	0.01	3.38e-03	-1.41e-03	0.0
		0.0	-1.41e-03	2.90e-06	0.0	56.0	-0.46	0.26	0.01	3.38e-03	6.82e-03	0.20
345	98	0.19	8.36e-03	-1.41e-04	-0.18	0.0	-0.51	0.44	0.02	4.48e-03	-1.84e-03	0.0
		0.0	-1.84e-03	3.77e-06	0.0	56.0	-0.51	0.26	0.02	4.48e-03	8.36e-03	0.19
345	99	0.19	6.96e-03	-1.22e-04	-0.18	0.0	-0.46	0.43	0.02	3.33e-03	-1.62e-03	0.0
		0.0	-1.62e-03	2.99e-06	0.0	56.0	-0.46	0.25	0.02	3.33e-03	6.96e-03	0.19
345	103	0.19	7.68e-03	-1.39e-04	-0.18	0.0	-0.51	0.43	0.02	4.33e-03	-3.10e-03	0.0
		0.0	-3.10e-03	3.30e-06	0.0	56.0	-0.51	0.26	0.02	4.33e-03	7.68e-03	0.19
345	104	0.20	7.10e-03	-1.22e-04	-0.18	0.0	-0.46	0.44	0.01	3.37e-03	-4.01e-04	0.0
		0.0	-4.01e-04	3.04e-06	0.0	56.0	-0.46	0.26	0.01	3.37e-03	7.10e-03	0.20
345	105	0.20	8.42e-03	-1.39e-04	-0.18	0.0	-0.50	0.44	0.02	4.31e-03	-7.69e-04	0.0

		0.0	-7.69e-04	3.78e-06	0.0	56.0	-0.50	0.26	0.02	4.31e-03	8.42e-03	0.20
345	106	0.20	6.82e-03	-1.22e-04	-0.18	0.0	-0.46	0.44	0.01	3.38e-03	-1.41e-03	0.0
		0.0	-1.41e-03	2.90e-06	0.0	56.0	-0.46	0.26	0.01	3.38e-03	6.82e-03	0.20
345	107	0.19	8.14e-03	-1.39e-04	-0.18	0.0	-0.50	0.44	0.02	4.32e-03	-1.78e-03	0.0
		0.0	-1.78e-03	3.64e-06	0.0	56.0	-0.50	0.26	0.02	4.32e-03	8.14e-03	0.19
345	113	0.17	0.02	-1.69e-04	-0.18	0.0	-0.69	0.40	-0.03	9.96e-03	0.02	0.0
		0.0	4.76e-03	2.92e-04	0.0	56.0	-0.69	0.22	-0.03	9.96e-03	4.76e-03	0.17
345	114	0.22	0.01	-1.08e-04	-0.18	0.0	-0.31	0.47	0.07	-1.31e-03	-0.02	0.0
		0.0	-0.02	-2.84e-04	0.0	56.0	-0.31	0.30	0.07	-1.31e-03	0.01	0.22
345	117	0.18	0.03	-1.89e-04	-0.18	0.0	-0.41	0.42	-0.05	0.01	0.03	0.0
		0.0	6.14e-03	3.32e-04	0.0	56.0	-0.41	0.24	-0.05	0.01	6.14e-03	0.18
345	118	0.21	0.01	-8.82e-05	-0.18	0.0	-0.59	0.46	0.08	-3.10e-03	-0.03	0.0
		0.0	-0.03	-3.24e-04	0.0	56.0	-0.59	0.28	0.08	-3.10e-03	0.01	0.21
345	125	0.24	0.02	-1.76e-04	-0.18	0.0	-0.60	0.52	-0.02	8.92e-03	0.02	0.0
		0.0	0.02	1.11e-04	0.0	56.0	-0.60	0.34	-0.02	8.92e-03	0.02	0.24
345	127	0.26	0.02	-1.56e-04	-0.18	0.0	-0.51	0.56	0.02	5.11e-03	7.94e-03	0.0
		0.0	7.94e-03	-7.40e-05	0.0	56.0	-0.51	0.38	0.02	5.11e-03	0.02	0.26
345	145	0.17	0.02	-1.73e-04	-0.18	0.0	-0.71	0.39	-0.04	0.01	0.02	0.0
		0.0	4.32e-03	3.28e-04	0.0	56.0	-0.71	0.22	-0.04	0.01	4.32e-03	0.17
345	146	0.22	0.01	-1.05e-04	-0.18	0.0	-0.29	0.48	0.07	-2.02e-03	-0.03	0.0
		0.0	-0.03	-3.21e-04	0.0	56.0	-0.29	0.30	0.07	-2.02e-03	0.01	0.22
345	149	0.18	0.03	-1.95e-04	-0.18	0.0	-0.40	0.41	-0.05	0.01	0.03	0.0
		0.0	5.85e-03	3.74e-04	0.0	56.0	-0.40	0.24	-0.05	0.01	5.85e-03	0.18
345	150	0.21	0.01	-8.19e-05	-0.18	0.0	-0.61	0.46	0.09	-4.06e-03	-0.04	0.0
		0.0	-0.04	-3.67e-04	0.0	56.0	-0.61	0.28	0.09	-4.06e-03	0.01	0.21
345	157	0.25	0.03	-1.81e-04	-0.18	0.0	-0.61	0.53	-0.02	9.50e-03	0.03	0.0
		0.0	0.02	1.25e-04	0.0	56.0	-0.61	0.35	-0.02	9.50e-03	0.02	0.25
345	159	0.27	0.03	-1.58e-04	-0.18	0.0	-0.51	0.57	0.02	5.21e-03	9.14e-03	0.0
		0.0	9.14e-03	-8.36e-05	0.0	56.0	-0.51	0.40	0.02	5.21e-03	0.03	0.27
345	177	0.17	0.02	-1.70e-04	-0.18	0.0	-0.70	0.39	-0.04	0.01	0.02	0.0
		0.0	4.25e-03	3.21e-04	0.0	56.0	-0.70	0.22	-0.04	0.01	4.25e-03	0.17
345	178	0.22	0.01	-1.07e-04	-0.18	0.0	-0.31	0.48	0.07	-1.93e-03	-0.03	0.0
		0.0	-0.03	-3.14e-04	0.0	56.0	-0.31	0.30	0.07	-1.93e-03	0.01	0.22
345	181	0.18	0.03	-1.95e-04	-0.18	0.0	-0.40	0.41	-0.05	0.01	0.03	0.0
		0.0	5.51e-03	3.81e-04	0.0	56.0	-0.40	0.23	-0.05	0.01	5.51e-03	0.18
345	182	0.21	0.01	-8.28e-05	-0.18	0.0	-0.61	0.46	0.09	-4.21e-03	-0.04	0.0
		0.0	-0.04	-3.73e-04	0.0	56.0	-0.61	0.29	0.09	-4.21e-03	0.01	0.21
345	189	0.25	0.03	-1.81e-04	-0.18	0.0	-0.61	0.53	-0.02	9.47e-03	0.03	0.0
		0.0	0.02	1.28e-04	0.0	56.0	-0.61	0.35	-0.02	9.47e-03	0.02	0.25
345	191	0.27	0.02	-1.60e-04	-0.18	0.0	-0.51	0.57	0.02	5.24e-03	8.91e-03	0.0
		0.0	8.91e-03	-7.71e-05	0.0	56.0	-0.51	0.40	0.02	5.24e-03	0.02	0.27
345	209	0.17	0.03	-1.75e-04	-0.18	0.0	-0.72	0.39	-0.05	0.01	0.03	0.0
		0.0	3.51e-03	3.73e-04	0.0	56.0	-0.72	0.21	-0.05	0.01	3.51e-03	0.17
345	210	0.22	0.01	-1.03e-04	-0.18	0.0	-0.28	0.49	0.08	-2.97e-03	-0.03	0.0
		0.0	-0.03	-3.65e-04	0.0	56.0	-0.28	0.31	0.08	-2.97e-03	0.01	0.22
345	213	0.18	0.04	-2.05e-04	-0.18	0.0	-0.38	0.40	-0.07	0.01	0.04	0.0
		0.0	4.73e-03	4.56e-04	0.0	56.0	-0.38	0.23	-0.07	0.01	4.73e-03	0.18
345	214	0.21	0.01	-7.26e-05	-0.18	0.0	-0.63	0.47	0.10	-5.92e-03	-0.05	0.0
		0.0	-0.05	-4.49e-04	0.0	56.0	-0.63	0.29	0.10	-5.92e-03	0.01	0.21
345	221	0.25	0.03	-1.88e-04	-0.18	0.0	-0.62	0.54	-0.03	0.01	0.03	0.0
		0.0	0.02	1.51e-04	0.0	56.0	-0.62	0.37	-0.03	0.01	0.02	0.25
345	223	0.28	0.03	-1.64e-04	-0.18	0.0	-0.51	0.59	0.02	5.44e-03	0.01	0.0
		0.0	0.01	-8.87e-05	0.0	56.0	-0.51	0.42	0.02	5.44e-03	0.03	0.28
346	4	0.49	0.01	-1.99e-04	-0.23	0.0	-2.44	0.60	-0.18	6.69e-03	0.01	0.22
		0.22	-0.09	6.47e-06	0.0	56.0	-2.44	0.37	-0.18	6.69e-03	-0.09	0.49
346	14	0.36	7.93e-03	-1.50e-04	-0.18	0.0	-1.84	0.48	-0.18	4.56e-03	7.93e-03	0.14
		0.14	-0.09	4.67e-06	0.0	56.0	-1.84	0.31	-0.18	4.56e-03	-0.09	0.36
346	19	0.38	3.17e-03	-1.14e-04	-0.18	0.0	-1.66	0.43	-0.30	3.34e-03	3.17e-03	0.19
		0.19	-0.17	2.34e-06	0.0	56.0	-1.66	0.25	-0.30	3.34e-03	-0.17	0.38
346	27	0.51	0.07	-1.96e-04	-0.23	0.0	-2.33	0.58	0.09	6.80e-03	0.01	0.25
		0.25	0.01	8.49e-06	0.0	56.0	-2.33	0.35	0.09	6.80e-03	0.07	0.51
346	44	0.50	0.10	-1.86e-04	-0.23	0.0	-2.21	0.59	0.15	5.85e-03	0.01	0.23
		0.23	0.01	8.66e-06	0.0	56.0	-2.21	0.36	0.15	5.85e-03	0.10	0.50
346	45	0.39	0.09	-1.13e-04	-0.18	0.0	-1.48	0.42	0.15	3.19e-03	8.72e-03	0.21
		0.21	8.72e-03	5.09e-06	0.0	56.0	-1.48	0.24	0.15	3.19e-03	0.09	0.39
346	68	0.38	8.01e-03	-1.47e-04	-0.18	0.0	-1.83	0.46	-0.12	4.84e-03	8.01e-03	0.17
		0.17	-0.06	4.76e-06	0.0	56.0	-1.83	0.28	-0.12	4.84e-03	-0.06	0.38
346	71	0.37	7.71e-03	-1.40e-04	-0.18	0.0	-1.77	0.47	-0.12	4.23e-03	7.71e-03	0.16
		0.16	-0.06	4.55e-06	0.0	56.0	-1.77	0.29	-0.12	4.23e-03	-0.06	0.37
346	72	0.38	4.54e-03	-1.16e-04	-0.18	0.0	-1.64	0.43	-0.20	3.43e-03	4.54e-03	0.19
		0.19	-0.11	2.53e-06	0.0	56.0	-1.64	0.25	-0.20	3.43e-03	-0.11	0.38
346	79	0.39	0.04	-1.45e-04	-0.18	0.0	-1.75	0.44	0.06	4.91e-03	9.86e-03	0.20
		0.20	9.86e-03	6.10e-06	0.0	56.0	-1.75	0.26	0.06	4.91e-03	0.04	0.39
346	85	0.39	0.06	-1.16e-04	-0.18	0.0	-1.52	0.42	0.10	3.32e-03	8.24e-03	0.20
		0.20	8.24e-03	4.83e-06	0.0	56.0	-1.52	0.25	0.10	3.32e-03	0.06	0.39

346	88	0.38	0.07	-1.38e-04	-0.18	0.0	-1.67	0.45	0.10	4.28e-03	0.01	0.18
		0.18	0.01	6.21e-06	0.0	56.0	-1.67	0.27	0.10	4.28e-03	0.07	0.38
346	98	0.39	8.75e-03	-1.36e-04	-0.18	0.0	-1.72	0.44	7.03e-04	4.48e-03	8.36e-03	0.19
		0.19	8.36e-03	5.14e-06	0.0	56.0	-1.72	0.26	7.03e-04	4.48e-03	8.75e-03	0.39
346	101	0.38	8.58e-03	-1.34e-04	-0.18	0.0	-1.70	0.44	5.30e-04	4.27e-03	8.28e-03	0.19
		0.19	8.28e-03	5.09e-06	0.0	56.0	-1.70	0.26	5.30e-04	4.27e-03	8.58e-03	0.38
346	102	0.38	6.36e-03	-1.16e-04	-0.18	0.0	-1.59	0.43	-0.04	3.39e-03	6.36e-03	0.19
		0.19	-0.02	3.64e-06	0.0	56.0	-1.59	0.25	-0.04	3.39e-03	-0.02	0.38
346	104	0.39	0.02	-1.16e-04	-0.18	0.0	-1.57	0.42	0.02	3.37e-03	7.10e-03	0.20
		0.20	7.10e-03	4.18e-06	0.0	56.0	-1.57	0.25	0.02	3.37e-03	0.02	0.39
346	105	0.39	0.02	-1.33e-04	-0.18	0.0	-1.69	0.43	0.02	4.31e-03	8.42e-03	0.20
		0.20	8.42e-03	5.14e-06	0.0	56.0	-1.69	0.26	0.02	4.31e-03	0.02	0.39
346	106	0.38	6.82e-03	-1.16e-04	-0.18	0.0	-1.58	0.42	-2.65e-04	3.38e-03	6.82e-03	0.20
		0.20	6.67e-03	4.02e-06	0.0	56.0	-1.58	0.25	-2.65e-04	3.38e-03	6.67e-03	0.38
346	107	0.39	8.45e-03	-1.33e-04	-0.18	0.0	-1.70	0.43	5.65e-04	4.32e-03	8.14e-03	0.19
		0.19	8.14e-03	4.98e-06	0.0	56.0	-1.70	0.26	5.65e-04	4.32e-03	8.45e-03	0.39
346	108	0.28	-2.83e-03	-1.58e-04	-0.18	0.0	-0.78	0.35	-0.13	9.86e-03	-2.83e-03	0.14
		0.14	-0.08	3.07e-04	0.0	56.0	-0.78	0.18	-0.13	9.86e-03	-0.08	0.28
346	111	0.49	0.09	-1.08e-04	-0.18	0.0	-2.63	0.52	0.13	-1.22e-03	0.02	0.25
		0.25	0.02	-2.97e-04	0.0	56.0	-2.63	0.34	0.13	-1.22e-03	0.09	0.49
346	124	0.28	-6.99e-03	-1.18e-04	-0.18	0.0	-0.99	0.46	-0.15	3.54e-03	-6.99e-03	0.13
		0.13	-0.09	7.85e-05	0.0	56.0	-0.99	0.28	-0.15	3.54e-03	-0.09	0.28
346	127	0.49	0.11	-1.49e-04	-0.18	0.0	-2.41	0.41	0.15	5.11e-03	0.02	0.26
		0.26	0.02	-6.86e-05	0.0	56.0	-2.41	0.24	0.15	5.11e-03	0.11	0.49
346	132	0.33	-6.26e-03	-1.55e-04	-0.18	0.0	-1.75	0.47	-0.23	8.59e-03	-6.26e-03	0.13
		0.13	-0.14	1.65e-04	0.0	56.0	-1.75	0.29	-0.23	8.59e-03	-0.14	0.33
346	135	0.45	0.15	-1.11e-04	-0.18	0.0	-1.65	0.40	0.23	5.06e-05	0.02	0.26
		0.26	0.02	-1.55e-04	0.0	56.0	-1.65	0.22	0.23	5.06e-05	0.15	0.45
346	140	0.27	-4.21e-03	-1.62e-04	-0.18	0.0	-0.66	0.34	-0.15	0.01	-4.21e-03	0.13
		0.13	-0.09	3.45e-04	0.0	56.0	-0.66	0.16	-0.15	0.01	-0.09	0.27
346	143	0.51	0.10	-1.05e-04	-0.18	0.0	-2.75	0.53	0.15	-1.91e-03	0.02	0.26
		0.26	0.02	-3.36e-04	0.0	56.0	-2.75	0.35	0.15	-1.91e-03	0.10	0.51
346	156	0.27	-8.87e-03	-1.16e-04	-0.18	0.0	-0.90	0.46	-0.17	3.43e-03	-8.87e-03	0.12
		0.12	-0.10	8.75e-05	0.0	56.0	-0.90	0.28	-0.17	3.43e-03	-0.10	0.27
346	159	0.51	0.12	-1.51e-04	-0.18	0.0	-2.50	0.41	0.17	5.21e-03	0.03	0.27
		0.27	0.03	-7.76e-05	0.0	56.0	-2.50	0.23	0.17	5.21e-03	0.12	0.51
346	164	0.32	-8.07e-03	-1.58e-04	-0.18	0.0	-1.76	0.47	-0.26	9.14e-03	-8.07e-03	0.13
		0.13	-0.15	1.85e-04	0.0	56.0	-1.76	0.30	-0.26	9.14e-03	-0.15	0.32
346	167	0.46	0.17	-1.08e-04	-0.18	0.0	-1.64	0.39	0.26	-4.95e-04	0.02	0.26
		0.26	0.02	-1.75e-04	0.0	56.0	-1.64	0.22	0.26	-4.95e-04	0.17	0.46
346	172	0.28	-4.15e-03	-1.60e-04	-0.18	0.0	-0.69	0.35	-0.14	0.01	-4.15e-03	0.14
		0.14	-0.08	3.38e-04	0.0	56.0	-0.69	0.17	-0.14	0.01	-0.08	0.28
346	175	0.50	0.10	-1.07e-04	-0.18	0.0	-2.71	0.52	0.15	-1.82e-03	0.02	0.25
		0.25	0.02	-3.28e-04	0.0	56.0	-2.71	0.34	0.15	-1.82e-03	0.10	0.50
346	188	0.27	-8.59e-03	-1.15e-04	-0.18	0.0	-0.93	0.46	-0.16	3.40e-03	-8.59e-03	0.12
		0.12	-0.10	8.11e-05	0.0	56.0	-0.93	0.28	-0.16	3.40e-03	-0.10	0.27
346	191	0.50	0.12	-1.52e-04	-0.18	0.0	-2.48	0.41	0.17	5.24e-03	0.02	0.27
		0.27	0.02	-7.11e-05	0.0	56.0	-2.48	0.24	0.17	5.24e-03	0.12	0.50
346	196	0.32	-7.94e-03	-1.58e-04	-0.18	0.0	-1.76	0.47	-0.26	9.11e-03	-7.94e-03	0.13
		0.13	-0.15	1.87e-04	0.0	56.0	-1.76	0.30	-0.26	9.11e-03	-0.15	0.32
346	199	0.45	0.17	-1.08e-04	-0.18	0.0	-1.65	0.39	0.26	-4.63e-04	0.02	0.26
		0.26	0.02	-1.77e-04	0.0	56.0	-1.65	0.22	0.26	-4.63e-04	0.17	0.45
346	204	0.26	-6.26e-03	-1.63e-04	-0.18	0.0	-0.53	0.34	-0.17	0.01	-6.26e-03	0.13
		0.13	-0.10	3.93e-04	0.0	56.0	-0.53	0.16	-0.17	0.01	-0.10	0.26
346	207	0.52	0.11	-1.04e-04	-0.18	0.0	-2.87	0.53	0.17	-2.84e-03	0.02	0.26
		0.26	0.02	-3.83e-04	0.0	56.0	-2.87	0.36	0.17	-2.84e-03	0.11	0.52
346	220	0.26	-0.01	-1.11e-04	-0.18	0.0	-0.81	0.46	-0.19	3.20e-03	-0.01	0.11
		0.11	-0.12	9.18e-05	0.0	56.0	-0.81	0.28	-0.19	3.20e-03	-0.12	0.26
346	223	0.52	0.13	-1.56e-04	-0.18	0.0	-2.60	0.41	0.19	5.44e-03	0.03	0.28
		0.28	0.03	-8.18e-05	0.0	56.0	-2.60	0.23	0.19	5.44e-03	0.13	0.52
346	228	0.32	-0.01	-1.63e-04	-0.18	0.0	-1.77	0.48	-0.30	9.96e-03	-0.01	0.12
		0.12	-0.18	2.21e-04	0.0	56.0	-1.77	0.30	-0.30	9.96e-03	-0.18	0.32
346	231	0.46	0.19	-1.04e-04	-0.18	0.0	-1.63	0.39	0.30	-1.31e-03	0.03	0.27
		0.27	0.03	-2.11e-04	0.0	56.0	-1.63	0.21	0.30	-1.31e-03	0.19	0.46
347	12	0.50	0.04	-1.16e-04	-0.19	0.0	-0.34	0.34	0.22	2.91e-03	-0.10	0.35
		0.35	-0.10	-1.40e-05	0.0	60.0	-0.34	0.15	0.22	2.91e-03	0.04	0.50
347	15	0.67	0.06	-1.48e-04	-0.24	0.0	-0.53	0.41	0.37	4.56e-03	-0.16	0.49
		0.49	-0.16	-2.65e-05	0.0	60.0	-0.53	0.17	0.37	4.56e-03	0.06	0.67
347	19	0.51	0.06	-1.09e-04	-0.19	0.0	-0.48	0.31	0.37	3.34e-03	-0.17	0.38
		0.38	-0.17	-2.85e-05	0.0	60.0	-0.48	0.12	0.37	3.34e-03	0.06	0.51
347	27	0.70	0.07	-1.93e-04	-0.24	0.0	-1.14e-03	0.43	-0.12	6.79e-03	0.07	0.51
		0.51	-6.76e-03	2.08e-05	0.0	60.0	-1.14e-03	0.19	-0.12	6.79e-03	-6.76e-03	0.70
347	44	0.68	0.10	-1.82e-04	-0.24	0.0	0.04	0.44	-0.19	5.85e-03	0.10	0.50
		0.50	-0.02	2.70e-05	0.0	60.0	0.04	0.19	-0.19	5.85e-03	-0.02	0.68
347	48	0.53	0.10	-1.44e-04	-0.19	0.0	0.09	0.34	-0.19	4.63e-03	0.10	0.38

		0.38	-0.02	2.49e-05	0.0	60.0	0.09	0.15	-0.19	4.63e-03	-0.02	0.53
347	69	0.51	0.03	-1.16e-04	-0.19	0.0	-0.30	0.33	0.15	3.13e-03	-0.06	0.36
		0.36	-0.06	-7.34e-06	0.0	60.0	-0.30	0.14	0.15	3.13e-03	0.03	0.51
347	72	0.51	0.04	-1.12e-04	-0.19	0.0	-0.39	0.31	0.24	3.42e-03	-0.11	0.38
		0.38	-0.11	-1.71e-05	0.0	60.0	-0.39	0.13	0.24	3.42e-03	0.04	0.51
347	79	0.53	0.04	-1.42e-04	-0.19	0.0	-0.04	0.33	-0.08	4.91e-03	0.04	0.39
		0.39	-4.05e-03	1.44e-05	0.0	60.0	-0.04	0.14	-0.08	4.91e-03	-4.05e-03	0.53
347	88	0.52	0.07	-1.35e-04	-0.19	0.0	-0.01	0.33	-0.13	4.28e-03	0.07	0.38
		0.38	-0.01	1.86e-05	0.0	60.0	-0.01	0.14	-0.13	4.28e-03	-0.01	0.52
347	98	0.53	8.75e-03	-1.33e-04	-0.19	0.0	-0.15	0.32	-5.23e-03	4.48e-03	8.75e-03	0.39
		0.39	5.61e-03	7.07e-06	0.0	60.0	-0.15	0.14	-5.23e-03	4.48e-03	5.61e-03	0.53
347	99	0.51	6.80e-03	-1.12e-04	-0.19	0.0	-0.23	0.31	-3.94e-03	3.32e-03	6.80e-03	0.38
		0.38	4.43e-03	5.64e-06	0.0	60.0	-0.23	0.13	-3.94e-03	3.32e-03	4.43e-03	0.51
347	102	0.51	0.01	-1.12e-04	-0.19	0.0	-0.27	0.31	0.05	3.39e-03	-0.02	0.38
		0.38	-0.02	0.0	0.0	60.0	-0.27	0.12	0.05	3.39e-03	0.01	0.51
347	105	0.53	0.02	-1.30e-04	-0.19	0.0	-0.14	0.32	-0.03	4.31e-03	0.02	0.39
		0.39	2.03e-03	9.08e-06	0.0	60.0	-0.14	0.13	-0.03	4.31e-03	2.03e-03	0.53
347	106	0.52	6.67e-03	-1.12e-04	-0.19	0.0	-0.24	0.31	-3.89e-03	3.38e-03	6.67e-03	0.38
		0.38	4.34e-03	5.50e-06	0.0	60.0	-0.24	0.12	-3.89e-03	3.38e-03	4.34e-03	0.52
347	107	0.53	8.45e-03	-1.30e-04	-0.19	0.0	-0.16	0.32	-5.04e-03	4.32e-03	8.45e-03	0.39
		0.39	5.43e-03	6.85e-06	0.0	60.0	-0.16	0.13	-5.04e-03	4.32e-03	5.43e-03	0.53
347	111	0.72	0.09	-1.04e-04	-0.19	0.0	0.70	0.48	-0.19	-1.22e-03	0.09	0.49
		0.49	0.02	-3.02e-04	0.0	60.0	0.70	0.30	-0.19	-1.22e-03	0.02	0.72
347	124	0.35	0.02	-1.14e-04	-0.19	0.0	-1.23	0.20	0.21	3.53e-03	-0.09	0.28
		0.28	-0.09	6.60e-05	0.0	60.0	-1.23	7.31e-03	0.21	3.53e-03	0.02	0.35
347	128	0.36	0.02	-1.17e-04	-0.19	0.0	-1.24	0.20	0.21	3.61e-03	-0.09	0.29
		0.29	-0.09	7.10e-05	0.0	60.0	-1.24	0.02	0.21	3.61e-03	0.02	0.36
347	131	0.69	0.11	-1.43e-04	-0.19	0.0	0.92	0.44	-0.22	5.02e-03	0.11	0.49
		0.49	-0.01	-5.73e-05	0.0	60.0	0.92	0.25	-0.22	5.02e-03	-0.01	0.69
347	132	0.54	0.04	-1.53e-04	-0.19	0.0	-0.71	0.35	0.32	8.59e-03	-0.14	0.33
		0.33	-0.14	1.51e-04	0.0	60.0	-0.71	0.16	0.32	8.59e-03	0.04	0.54
347	135	0.52	0.15	-1.06e-04	-0.19	0.0	0.39	0.30	-0.33	4.73e-05	0.15	0.45
		0.45	-0.03	-1.38e-04	0.0	60.0	0.39	0.11	-0.33	4.73e-05	-0.03	0.52
347	143	0.75	0.10	-1.01e-04	-0.19	0.0	0.81	0.50	-0.21	-1.92e-03	0.10	0.51
		0.51	0.02	-3.41e-04	0.0	60.0	0.81	0.32	-0.21	-1.92e-03	0.02	0.75
347	156	0.32	0.02	-1.11e-04	-0.19	0.0	-1.36	0.18	0.23	3.43e-03	-0.10	0.27
		0.27	-0.10	7.32e-05	0.0	60.0	-1.36	-8.37e-03	0.23	3.43e-03	0.02	0.32
347	160	0.34	0.02	-1.15e-04	-0.19	0.0	-1.38	0.19	0.23	3.53e-03	-0.10	0.28
		0.28	-0.10	7.91e-05	0.0	60.0	-1.38	1.66e-03	0.23	3.53e-03	0.02	0.34
347	163	0.71	0.12	-1.44e-04	-0.19	0.0	1.05	0.46	-0.24	5.11e-03	0.12	0.50
		0.50	-0.01	-6.54e-05	0.0	60.0	1.05	0.27	-0.24	5.11e-03	-0.01	0.71
347	164	0.54	0.05	-1.56e-04	-0.19	0.0	-0.78	0.35	0.36	9.14e-03	-0.15	0.32
		0.32	-0.15	1.70e-04	0.0	60.0	-0.78	0.16	0.36	9.14e-03	0.05	0.54
347	167	0.51	0.17	-1.03e-04	-0.19	0.0	0.46	0.29	-0.37	-4.98e-04	0.17	0.46
		0.46	-0.04	-1.56e-04	0.0	60.0	0.46	0.11	-0.37	-4.98e-04	-0.04	0.51
347	175	0.74	0.10	-1.03e-04	-0.19	0.0	0.75	0.49	-0.21	-1.82e-03	0.10	0.50
		0.50	0.02	-3.33e-04	0.0	60.0	0.75	0.30	-0.21	-1.82e-03	0.02	0.74
347	188	0.33	0.02	-1.10e-04	-0.19	0.0	-1.33	0.19	0.23	3.40e-03	-0.10	0.27
		0.27	-0.10	6.68e-05	0.0	60.0	-1.33	-2.07e-03	0.23	3.40e-03	0.02	0.33
347	192	0.35	0.02	-1.15e-04	-0.19	0.0	-1.34	0.20	0.23	3.57e-03	-0.10	0.28
		0.28	-0.10	7.61e-05	0.0	60.0	-1.34	9.32e-03	0.23	3.57e-03	0.02	0.35
347	195	0.70	0.12	-1.45e-04	-0.19	0.0	1.01	0.45	-0.24	5.07e-03	0.12	0.49
		0.49	-0.01	-6.24e-05	0.0	60.0	1.01	0.26	-0.24	5.07e-03	-0.01	0.70
347	196	0.53	0.05	-1.56e-04	-0.19	0.0	-0.72	0.35	0.35	9.10e-03	-0.15	0.32
		0.32	-0.15	1.73e-04	0.0	60.0	-0.72	0.16	0.35	9.10e-03	0.05	0.53
347	199	0.52	0.17	-1.03e-04	-0.19	0.0	0.40	0.30	-0.36	-4.66e-04	0.17	0.45
		0.45	-0.04	-1.59e-04	0.0	60.0	0.40	0.11	-0.36	-4.66e-04	-0.04	0.52
347	207	0.77	0.11	-9.88e-05	-0.19	0.0	0.88	0.52	-0.24	-2.85e-03	0.11	0.52
		0.52	0.02	-3.90e-04	0.0	60.0	0.88	0.33	-0.24	-2.85e-03	0.02	0.77
347	220	0.30	0.03	-1.07e-04	-0.19	0.0	-1.51	0.17	0.26	3.20e-03	-0.12	0.26
		0.26	-0.12	7.48e-05	0.0	60.0	-1.51	-0.02	0.26	3.20e-03	0.03	0.30
347	224	0.32	0.03	-1.12e-04	-0.19	0.0	-1.53	0.18	0.26	3.47e-03	-0.12	0.27
		0.27	-0.12	8.96e-05	0.0	60.0	-1.53	-9.07e-03	0.26	3.47e-03	0.03	0.32
347	227	0.73	0.13	-1.47e-04	-0.19	0.0	1.20	0.47	-0.27	5.17e-03	0.13	0.51
		0.51	-0.02	-7.59e-05	0.0	60.0	1.20	0.28	-0.27	5.17e-03	-0.02	0.73
347	228	0.53	0.05	-1.61e-04	-0.19	0.0	-0.79	0.35	0.41	9.96e-03	-0.18	0.32
		0.32	-0.18	2.04e-04	0.0	60.0	-0.79	0.17	0.41	9.96e-03	0.05	0.53
347	231	0.52	0.19	-9.82e-05	-0.19	0.0	0.47	0.29	-0.42	-1.32e-03	0.19	0.46
		0.46	-0.04	-1.90e-04	0.0	60.0	0.47	0.10	-0.42	-1.32e-03	-0.04	0.52
348	4	1.07	-0.09	-3.92e-05	-0.12	0.0	-3.26	-0.76	0.22	6.69e-03	-0.16	1.07
		0.83	-0.16	7.42e-06	0.0	30.0	-3.26	-0.88	0.22	6.69e-03	-0.09	0.83
348	12	0.73	-0.08	-1.73e-05	-0.09	0.0	-2.18	-0.40	0.25	2.91e-03	-0.16	0.73
		0.60	-0.16	3.81e-06	0.0	30.0	-2.18	-0.49	0.25	2.91e-03	-0.08	0.60
348	19	0.74	-0.13	-1.38e-05	-0.09	0.0	-2.28	-0.38	0.45	3.34e-03	-0.27	0.74
		0.61	-0.27	2.79e-06	0.0	30.0	-2.28	-0.47	0.45	3.34e-03	-0.13	0.61

348	27	1.09	0.08	-3.69e-05	-0.12	0.0	-2.95	-0.72	-0.21	6.80e-03	0.08	1.09
		0.85	0.02	8.08e-06	0.0	30.0	-2.95	-0.85	-0.21	6.80e-03	0.02	0.85
348	44	1.06	0.14	-3.35e-05	-0.12	0.0	-2.72	-0.66	-0.30	5.86e-03	0.14	1.06
		0.84	0.05	7.90e-06	0.0	30.0	-2.72	-0.78	-0.30	5.86e-03	0.05	0.84
348	45	0.76	0.14	-1.31e-05	-0.09	0.0	-1.76	-0.34	-0.27	3.19e-03	0.14	0.76
		0.64	0.06	4.32e-06	0.0	30.0	-1.76	-0.44	-0.27	3.19e-03	0.06	0.64
348	68	0.81	-0.06	-2.73e-05	-0.09	0.0	-2.43	-0.55	0.15	4.84e-03	-0.11	0.81
		0.63	-0.11	5.37e-06	0.0	30.0	-2.43	-0.64	0.15	4.84e-03	-0.06	0.63
348	69	0.74	-0.06	-1.71e-05	-0.09	0.0	-2.15	-0.40	0.16	3.14e-03	-0.11	0.74
		0.61	-0.11	3.96e-06	0.0	30.0	-2.15	-0.49	0.16	3.14e-03	-0.06	0.61
348	72	0.75	-0.09	-1.47e-05	-0.09	0.0	-2.21	-0.39	0.29	3.43e-03	-0.18	0.75
		0.62	-0.18	3.17e-06	0.0	30.0	-2.21	-0.48	0.29	3.43e-03	-0.09	0.62
348	79	0.82	0.06	-2.59e-05	-0.09	0.0	-2.22	-0.52	-0.14	4.91e-03	0.06	0.82
		0.65	0.01	5.81e-06	0.0	30.0	-2.22	-0.62	-0.14	4.91e-03	0.01	0.65
348	85	0.76	0.09	-1.43e-05	-0.09	0.0	-1.87	-0.36	-0.19	3.32e-03	0.09	0.76
		0.64	0.03	4.30e-06	0.0	30.0	-1.87	-0.46	-0.19	3.32e-03	0.03	0.64
348	88	0.80	0.09	-2.36e-05	-0.09	0.0	-2.07	-0.48	-0.20	4.29e-03	0.09	0.80
		0.64	0.03	5.69e-06	0.0	30.0	-2.07	-0.58	-0.20	4.29e-03	0.03	0.64
348	98	0.80	2.37e-03	-2.26e-05	-0.09	0.0	-2.23	-0.48	-0.04	4.48e-03	2.37e-03	0.80
		0.64	-0.01	5.11e-06	0.0	30.0	-2.23	-0.58	-0.04	4.48e-03	-0.01	0.64
348	99	0.75	1.79e-03	-1.51e-05	-0.09	0.0	-2.04	-0.38	-0.03	3.33e-03	1.79e-03	0.75
		0.62	-7.90e-03	4.05e-06	0.0	30.0	-2.04	-0.47	-0.03	3.33e-03	-7.90e-03	0.62
348	102	0.75	-0.02	-1.46e-05	-0.09	0.0	-2.07	-0.38	0.03	3.39e-03	-0.03	0.75
		0.63	-0.03	3.80e-06	0.0	30.0	-2.07	-0.47	0.03	3.39e-03	-0.02	0.63
348	103	0.79	-0.03	-2.15e-05	-0.09	0.0	-2.24	-0.47	0.02	4.33e-03	-0.03	0.79
		0.64	-0.03	4.79e-06	0.0	30.0	-2.24	-0.57	0.02	4.33e-03	-0.03	0.64
348	104	0.76	0.02	-1.45e-05	-0.09	0.0	-2.00	-0.37	-0.06	3.37e-03	0.02	0.76
		0.63	6.11e-04	4.03e-06	0.0	30.0	-2.00	-0.47	-0.06	3.37e-03	6.11e-04	0.63
348	105	0.79	0.02	-2.14e-05	-0.09	0.0	-2.17	-0.47	-0.07	4.31e-03	0.02	0.79
		0.64	-1.46e-03	5.02e-06	0.0	30.0	-2.17	-0.56	-0.07	4.31e-03	-1.46e-03	0.64
348	106	0.75	1.75e-03	-1.46e-05	-0.09	0.0	-2.04	-0.38	-0.03	3.38e-03	1.75e-03	0.75
		0.63	-7.76e-03	3.96e-06	0.0	30.0	-2.04	-0.47	-0.03	3.38e-03	-7.76e-03	0.63
348	107	0.79	2.28e-03	-2.14e-05	-0.09	0.0	-2.21	-0.47	-0.04	4.32e-03	2.28e-03	0.79
		0.64	-9.83e-03	4.95e-06	0.0	30.0	-2.21	-0.56	-0.04	4.32e-03	-9.83e-03	0.64
348	108	1.00	5.08e-03	-5.91e-05	-0.09	0.0	-0.68	3.83	0.16	9.86e-03	-0.10	-0.07
		-0.07	-0.10	1.64e-04	0.0	30.0	-0.68	3.74	0.16	9.86e-03	5.08e-03	1.00
348	111	1.65	0.10	1.62e-05	-0.09	0.0	-3.73	-4.77	-0.25	-1.22e-03	0.10	1.65
		0.28	-0.02	-1.54e-04	0.0	30.0	-3.73	-4.87	-0.25	-1.22e-03	-0.02	0.28
348	113	1.13	0.04	-5.83e-05	-0.09	0.0	-0.10	3.82	0.02	9.96e-03	-0.02	-4.73e-03
		-4.73e-03	-0.02	1.59e-04	0.0	30.0	-0.10	3.72	0.02	9.96e-03	0.04	1.13
348	114	1.59	0.03	1.54e-05	-0.09	0.0	-4.31	-4.75	-0.10	-1.31e-03	0.03	1.59
		0.14	-0.06	-1.50e-04	0.0	30.0	-4.31	-4.85	-0.10	-1.31e-03	-0.06	0.14
348	132	0.88	-0.07	-2.04e-05	-0.09	0.0	-3.01	-1.33	0.30	8.59e-03	-0.17	0.88
		0.44	-0.17	8.50e-05	0.0	30.0	-3.01	-1.42	0.30	8.59e-03	-0.07	0.44
348	135	0.83	0.18	-2.25e-05	-0.09	0.0	-1.40	0.39	-0.38	5.14e-05	0.18	0.71
		0.71	0.05	-7.52e-05	0.0	30.0	-1.40	0.30	-0.38	5.14e-05	0.05	0.83
348	140	1.04	6.96e-03	-6.39e-05	-0.09	0.0	-0.49	4.37	0.19	0.01	-0.11	-0.17
		-0.17	-0.11	1.83e-04	0.0	30.0	-0.49	4.27	0.19	0.01	6.96e-03	1.04
348	143	1.76	0.11	2.10e-05	-0.09	0.0	-3.92	-5.31	-0.27	-1.91e-03	0.11	1.76
		0.23	-0.03	-1.74e-04	0.0	30.0	-3.92	-5.40	-0.27	-1.91e-03	-0.03	0.23
348	145	1.20	0.04	-6.29e-05	-0.09	0.0	0.16	4.35	0.02	0.01	-0.02	-0.10
		-0.10	-0.02	1.79e-04	0.0	30.0	0.16	4.25	0.02	0.01	0.04	1.20
348	146	1.69	0.03	2.01e-05	-0.09	0.0	-4.57	-5.29	-0.10	-2.02e-03	0.03	1.69
		0.08	-0.06	-1.69e-04	0.0	30.0	-4.57	-5.38	-0.10	-2.02e-03	-0.06	0.08
348	164	0.88	-0.07	-2.04e-05	-0.09	0.0	-3.11	-1.43	0.35	9.14e-03	-0.19	0.88
		0.42	-0.19	9.55e-05	0.0	30.0	-3.11	-1.53	0.35	9.14e-03	-0.07	0.42
348	167	0.86	0.20	-2.25e-05	-0.09	0.0	-1.30	0.49	-0.43	-4.94e-04	0.20	0.70
		0.70	0.05	-8.56e-05	0.0	30.0	-1.30	0.40	-0.43	-4.94e-04	0.05	0.86
348	172	1.02	5.88e-03	-6.44e-05	-0.09	0.0	-0.56	4.09	0.18	0.01	-0.11	-0.12
		-0.12	-0.11	1.80e-04	0.0	30.0	-0.56	4.00	0.18	0.01	5.88e-03	1.02
348	175	1.71	0.11	2.15e-05	-0.09	0.0	-3.85	-5.03	-0.26	-1.82e-03	0.11	1.71
		0.26	-0.03	-1.70e-04	0.0	30.0	-3.85	-5.12	-0.26	-1.82e-03	-0.03	0.26
348	177	1.17	0.04	-6.33e-05	-0.09	0.0	0.06	4.07	0.02	0.01	-0.02	-0.05
		-0.05	-0.02	1.75e-04	0.0	30.0	0.06	3.98	0.02	0.01	0.04	1.17
348	178	1.64	0.03	2.04e-05	-0.09	0.0	-4.47	-5.01	-0.10	-1.93e-03	0.03	1.64
		0.11	-0.06	-1.65e-04	0.0	30.0	-4.47	-5.11	-0.10	-1.93e-03	-0.06	0.11
348	196	0.88	-0.07	-2.09e-05	-0.09	0.0	-3.11	-1.42	0.34	9.11e-03	-0.19	0.88
		0.42	-0.19	9.68e-05	0.0	30.0	-3.11	-1.51	0.34	9.11e-03	-0.07	0.42
348	199	0.86	0.20	-2.20e-05	-0.09	0.0	-1.30	0.48	-0.42	-4.62e-04	0.20	0.71
		0.71	0.05	-8.69e-05	0.0	30.0	-1.30	0.39	-0.42	-4.62e-04	0.05	0.86
348	204	1.07	8.07e-03	-7.21e-05	-0.09	0.0	-0.31	4.73	0.22	0.01	-0.12	-0.25
		-0.25	-0.12	2.08e-04	0.0	30.0	-0.31	4.64	0.22	0.01	8.07e-03	1.07
348	207	1.84	0.13	2.92e-05	-0.09	0.0	-4.10	-5.67	-0.30	-2.84e-03	0.13	1.84
		0.20	-0.03	-1.98e-04	0.0	30.0	-4.10	-5.77	-0.30	-2.84e-03	-0.03	0.20
348	209	1.24	0.05	-7.08e-05	-0.09	0.0	0.40	4.71	0.03	0.01	-0.03	-0.17

		-0.17	-0.03	2.03e-04	0.0	30.0	0.40	4.62	0.03	0.01	0.05	1.24
348	210	1.75	0.03	2.79e-05	-0.09	0.0	-4.82	-5.65	-0.11	-2.97e-03	0.03	1.75
		0.03	-0.07	-1.93e-04	0.0	30.0	-4.82	-5.74	-0.11	-2.97e-03	-0.07	0.03
348	228	0.89	-0.08	-2.13e-05	-0.09	0.0	-3.27	-1.58	0.41	9.96e-03	-0.22	0.89
		0.38	-0.22	1.14e-04	0.0	30.0	-3.27	-1.67	0.41	9.96e-03	-0.08	0.38
348	231	0.90	0.23	-2.16e-05	-0.09	0.0	-1.15	0.64	-0.49	-1.31e-03	0.23	0.70
		0.70	0.06	-1.04e-04	0.0	30.0	-1.15	0.55	-0.49	-1.31e-03	0.06	0.90
349	3	0.84	-0.09	-3.23e-05	-0.12	0.0	-1.87	-0.59	-0.17	6.89e-03	-0.09	0.84
		0.64	-0.14	5.36e-06	0.0	30.0	-1.87	-0.72	-0.17	6.89e-03	-0.14	0.64
349	14	0.62	-0.09	-2.57e-05	-0.09	0.0	-1.40	-0.44	-0.19	4.56e-03	-0.09	0.62
		0.47	-0.14	4.20e-06	0.0	30.0	-1.40	-0.54	-0.19	4.56e-03	-0.14	0.47
349	19	0.61	-0.13	-9.76e-06	-0.09	0.0	-1.36	-0.31	-0.37	3.34e-03	-0.13	0.61
		0.51	-0.24	2.13e-06	0.0	30.0	-1.36	-0.40	-0.37	3.34e-03	-0.24	0.51
349	27	0.85	0.08	-3.18e-05	-0.12	0.0	-1.79	-0.58	0.19	6.80e-03	0.02	0.85
		0.66	0.02	6.57e-06	0.0	30.0	-1.79	-0.70	0.19	6.80e-03	0.08	0.66
349	44	0.84	0.13	-2.83e-05	-0.12	0.0	-1.71	-0.52	0.27	5.86e-03	0.05	0.84
		0.67	0.05	6.55e-06	0.0	30.0	-1.71	-0.64	0.27	5.86e-03	0.13	0.67
349	46	0.63	0.13	-1.09e-05	-0.09	0.0	-1.21	-0.28	0.24	2.99e-03	0.05	0.63
		0.53	0.05	4.00e-06	0.0	30.0	-1.21	-0.38	0.24	2.99e-03	0.13	0.53
349	67	0.64	-0.06	-2.22e-05	-0.09	0.0	-1.41	-0.43	-0.11	4.98e-03	-0.06	0.64
		0.50	-0.09	3.92e-06	0.0	30.0	-1.41	-0.52	-0.11	4.98e-03	-0.09	0.50
349	71	0.62	-0.06	-2.14e-05	-0.09	0.0	-1.36	-0.40	-0.11	4.24e-03	-0.06	0.62
		0.49	-0.09	3.94e-06	0.0	30.0	-1.36	-0.50	-0.11	4.24e-03	-0.09	0.49
349	72	0.62	-0.09	-1.07e-05	-0.09	0.0	-1.34	-0.31	-0.23	3.43e-03	-0.09	0.62
		0.51	-0.16	2.32e-06	0.0	30.0	-1.34	-0.41	-0.23	3.43e-03	-0.16	0.51
349	79	0.65	0.05	-2.19e-05	-0.09	0.0	-1.36	-0.42	0.13	4.91e-03	0.01	0.65
		0.51	0.01	4.73e-06	0.0	30.0	-1.36	-0.51	0.13	4.91e-03	0.05	0.51
349	86	0.63	0.08	-1.15e-05	-0.09	0.0	-1.24	-0.30	0.17	3.19e-03	0.03	0.63
		0.53	0.03	3.80e-06	0.0	30.0	-1.24	-0.39	0.17	3.19e-03	0.08	0.53
349	88	0.64	0.09	-1.96e-05	-0.09	0.0	-1.31	-0.38	0.18	4.29e-03	0.03	0.64
		0.52	0.03	4.71e-06	0.0	30.0	-1.31	-0.47	0.18	4.29e-03	0.09	0.52
349	101	0.64	3.60e-03	-1.80e-05	-0.09	0.0	-1.34	-0.38	0.05	4.27e-03	-9.98e-03	0.64
		0.51	-9.98e-03	4.03e-06	0.0	30.0	-1.34	-0.47	0.05	4.27e-03	3.60e-03	0.51
349	102	0.63	-0.02	-1.06e-05	-0.09	0.0	-1.29	-0.30	-0.02	3.39e-03	-0.02	0.63
		0.52	-0.03	2.99e-06	0.0	30.0	-1.29	-0.40	-0.02	3.39e-03	-0.03	0.52
349	103	0.64	-0.03	-1.75e-05	-0.09	0.0	-1.35	-0.38	-9.23e-03	4.33e-03	-0.03	0.64
		0.51	-0.03	3.77e-06	0.0	30.0	-1.35	-0.47	-9.23e-03	4.33e-03	-0.03	0.51
349	104	0.63	0.02	-1.04e-05	-0.09	0.0	-1.27	-0.30	0.06	3.37e-03	6.11e-04	0.63
		0.52	6.11e-04	3.26e-06	0.0	30.0	-1.27	-0.39	0.06	3.37e-03	0.02	0.52
349	105	0.64	0.02	-1.74e-05	-0.09	0.0	-1.33	-0.37	0.07	4.31e-03	-1.46e-03	0.64
		0.51	-1.46e-03	4.04e-06	0.0	30.0	-1.33	-0.47	0.07	4.31e-03	0.02	0.51
349	106	0.63	2.82e-03	-1.05e-05	-0.09	0.0	-1.28	-0.30	0.04	3.38e-03	-7.76e-03	0.63
		0.52	-7.76e-03	3.17e-06	0.0	30.0	-1.28	-0.40	0.04	3.38e-03	2.82e-03	0.52
349	107	0.64	3.57e-03	-1.75e-05	-0.09	0.0	-1.34	-0.37	0.04	4.32e-03	-9.83e-03	0.64
		0.51	-9.83e-03	3.95e-06	0.0	30.0	-1.34	-0.47	0.04	4.32e-03	3.57e-03	0.51
349	112	1.64	0.01	-4.57e-05	-0.09	0.0	-2.13	2.38	-0.11	0.01	-2.46e-03	0.94
		0.94	-2.46e-03	1.77e-04	0.0	30.0	-2.13	2.28	-0.11	0.01	0.01	1.64
349	113	2.14	0.10	-5.01e-05	-0.09	0.0	-1.95	3.41	0.04	9.96e-03	0.04	1.13
		1.13	0.04	1.59e-04	0.0	30.0	-1.95	3.31	0.04	9.96e-03	0.10	2.14
349	114	0.14	-0.06	1.52e-05	-0.09	0.0	-0.73	-4.15	0.05	-1.31e-03	-0.06	0.14
		-1.12	-0.09	-1.51e-04	0.0	30.0	-0.73	-4.25	0.05	-1.31e-03	-0.09	-1.12
349	115	0.33	-4.14e-03	1.07e-05	-0.09	0.0	-0.55	-3.13	0.20	-2.73e-03	-0.02	0.33
		-0.62	-0.02	-1.69e-04	0.0	30.0	-0.55	-3.22	0.20	-2.73e-03	-4.14e-03	-0.62
349	133	1.75	0.16	-3.40e-05	-0.09	0.0	-1.24	2.32	0.28	3.86e-03	0.06	1.08
		1.08	0.06	2.20e-05	0.0	30.0	-1.24	2.23	0.28	3.86e-03	0.16	1.75
349	134	0.20	-0.08	0.0	-0.09	0.0	-1.44	-3.07	-0.19	4.79e-03	-0.08	0.20
		-0.73	-0.15	-1.41e-05	0.0	30.0	-1.44	-3.16	-0.19	4.79e-03	-0.15	-0.73
349	144	1.79	0.01	-4.93e-05	-0.09	0.0	-2.23	2.72	-0.13	0.01	-1.54e-03	0.98
		0.98	-1.54e-03	1.99e-04	0.0	30.0	-2.23	2.63	-0.13	0.01	0.01	1.79
349	145	2.34	0.11	-5.43e-05	-0.09	0.0	-2.02	3.88	0.04	0.01	0.04	1.20
		1.20	0.04	1.78e-04	0.0	30.0	-2.02	3.78	0.04	0.01	0.11	2.34
349	146	0.08	-0.06	1.93e-05	-0.09	0.0	-0.66	-4.62	0.05	-2.02e-03	-0.06	0.08
		-1.32	-0.10	-1.70e-04	0.0	30.0	-0.66	-4.72	0.05	-2.02e-03	-0.10	-1.32
349	147	0.29	-5.12e-03	1.43e-05	-0.09	0.0	-0.45	-3.47	0.22	-3.63e-03	-0.02	0.29
		-0.76	-0.02	-1.91e-04	0.0	30.0	-0.45	-3.56	0.22	-3.63e-03	-5.12e-03	-0.76
349	165	1.90	0.18	-3.60e-05	-0.09	0.0	-1.23	2.65	0.31	3.79e-03	0.07	1.13
		1.13	0.07	2.40e-05	0.0	30.0	-1.23	2.56	0.31	3.79e-03	0.18	1.90
349	166	0.15	-0.09	1.09e-06	-0.09	0.0	-1.45	-3.40	-0.22	4.85e-03	-0.09	0.15
		-0.88	-0.17	-1.61e-05	0.0	30.0	-1.45	-3.50	-0.22	4.85e-03	-0.17	-0.88
349	176	1.70	0.01	-4.99e-05	-0.09	0.0	-2.19	2.52	-0.13	0.01	-2.78e-03	0.96
		0.96	-2.78e-03	1.97e-04	0.0	30.0	-2.19	2.43	-0.13	0.01	0.01	1.70
349	177	2.24	0.10	-5.46e-05	-0.09	0.0	-1.99	3.63	0.04	0.01	0.04	1.17
		1.17	0.04	1.74e-04	0.0	30.0	-1.99	3.54	0.04	0.01	0.10	2.24
349	178	0.11	-0.06	1.96e-05	-0.09	0.0	-0.69	-4.38	0.05	-1.93e-03	-0.06	0.11
		-1.22	-0.10	-1.66e-04	0.0	30.0	-0.69	-4.47	0.05	-1.93e-03	-0.10	-1.22

349	179	0.32	-3.57e-03	1.49e-05	-0.09	0.0	-0.49	-3.27	0.22	-3.53e-03	-0.02	0.32
		-0.68	-0.02	-1.89e-04	0.0	30.0	-0.49	-3.37	0.22	-3.53e-03	-3.57e-03	-0.68
349	197	1.85	0.18	-3.58e-05	-0.09	0.0	-1.24	2.51	0.30	3.77e-03	0.07	1.11
		1.11	0.07	2.08e-05	0.0	30.0	-1.24	2.41	0.30	3.77e-03	0.18	1.85
349	198	0.16	-0.09	0.0	-0.09	0.0	-1.45	-3.26	-0.21	4.88e-03	-0.09	0.16
		-0.82	-0.17	-1.29e-05	0.0	30.0	-1.45	-3.35	-0.21	4.88e-03	-0.17	-0.82
349	208	1.86	0.01	-5.60e-05	-0.09	0.0	-2.31	2.92	-0.16	0.01	-2.15e-03	1.00
		1.00	-2.15e-03	2.30e-04	0.0	30.0	-2.31	2.82	-0.16	0.01	0.01	1.86
349	209	2.48	0.12	-6.13e-05	-0.09	0.0	-2.09	4.19	0.04	0.01	0.05	1.24
		1.24	0.05	2.02e-04	0.0	30.0	-2.09	4.10	0.04	0.01	0.12	2.48
349	210	0.03	-0.07	2.63e-05	-0.09	0.0	-0.59	-4.94	0.05	-2.97e-03	-0.07	0.03
		-1.46	-0.11	-1.94e-04	0.0	30.0	-0.59	-5.04	0.05	-2.97e-03	-0.11	-1.46
349	211	0.28	-4.15e-03	2.10e-05	-0.09	0.0	-0.37	-3.67	0.25	-4.87e-03	-0.02	0.28
		-0.84	-0.02	-2.22e-04	0.0	30.0	-0.37	-3.76	0.25	-4.87e-03	-4.15e-03	-0.84
349	229	2.04	0.20	-3.87e-05	-0.09	0.0	-1.22	2.93	0.34	3.63e-03	0.08	1.19
		1.19	0.08	2.17e-05	0.0	30.0	-1.22	2.84	0.34	3.63e-03	0.20	2.04
349	230	0.09	-0.10	3.75e-06	-0.09	0.0	-1.46	-3.68	-0.26	5.01e-03	-0.10	0.09
		-1.02	-0.20	-1.38e-05	0.0	30.0	-1.46	-3.77	-0.26	5.01e-03	-0.20	-1.02
350	12	0.49	0.10	-2.14e-05	-0.19	0.0	-2.19	0.05	0.41	2.91e-03	-0.14	0.49
		0.47	-0.14	-1.66e-05	0.0	60.0	-2.19	-0.14	0.41	2.91e-03	0.10	0.47
350	15	0.66	0.17	-2.24e-05	-0.24	0.0	-3.03	0.07	0.68	4.56e-03	-0.24	0.66
		0.63	-0.24	-3.17e-05	0.0	60.0	-3.03	-0.18	0.68	4.56e-03	0.17	0.63
350	18	0.65	0.17	-5.44e-05	-0.24	0.0	-2.78	0.13	0.68	6.00e-03	-0.24	0.63
		0.63	-0.24	-2.80e-05	0.0	60.0	-2.78	-0.12	0.68	6.00e-03	0.17	0.63
350	19	0.51	0.17	-1.32e-05	-0.19	0.0	-2.41	0.04	0.68	3.34e-03	-0.24	0.51
		0.48	-0.24	-3.44e-05	0.0	60.0	-2.41	-0.14	0.68	3.34e-03	0.17	0.48
350	32	0.52	0.08	-5.47e-05	-0.19	0.0	-1.78	0.12	-0.21	5.37e-03	0.08	0.50
		0.50	-0.05	2.43e-05	0.0	60.0	-1.78	-0.07	-0.21	5.37e-03	-0.05	0.51
350	41	0.70	0.13	-1.91e-05	-0.24	0.0	-2.65	0.05	-0.34	4.41e-03	0.13	0.70
		0.66	-0.08	3.01e-05	0.0	60.0	-2.65	-0.19	-0.34	4.41e-03	-0.08	0.66
350	69	0.50	0.07	-2.07e-05	-0.19	0.0	-2.17	0.05	0.27	3.13e-03	-0.10	0.50
		0.48	-0.10	-8.48e-06	0.0	60.0	-2.17	-0.13	0.27	3.13e-03	0.07	0.48
350	72	0.51	0.11	-1.52e-05	-0.19	0.0	-2.32	0.05	0.45	3.42e-03	-0.16	0.51
		0.48	-0.16	-2.04e-05	0.0	60.0	-2.32	-0.14	0.45	3.42e-03	0.11	0.48
350	75	0.50	0.11	-3.66e-05	-0.19	0.0	-2.16	0.09	0.45	4.38e-03	-0.16	0.49
		0.49	-0.16	-1.79e-05	0.0	60.0	-2.16	-0.10	0.45	4.38e-03	0.11	0.49
350	80	0.52	0.05	-4.28e-05	-0.19	0.0	-1.90	0.10	-0.14	4.78e-03	0.05	0.50
		0.50	-0.03	1.88e-05	0.0	60.0	-1.90	-0.09	-0.14	4.78e-03	-0.03	0.51
350	85	0.54	0.08	-1.30e-05	-0.19	0.0	-2.07	0.04	-0.23	3.32e-03	0.08	0.54
		0.50	-0.05	2.09e-05	0.0	60.0	-2.07	-0.15	-0.23	3.32e-03	-0.05	0.50
350	99	0.52	2.85e-03	-1.55e-05	-0.19	0.0	-2.16	0.05	-2.01e-03	3.32e-03	2.85e-03	0.52
		0.49	1.65e-03	7.36e-06	0.0	60.0	-2.16	-0.14	-2.01e-03	3.32e-03	1.65e-03	0.49
350	102	0.52	0.02	-1.45e-05	-0.19	0.0	-2.20	0.05	0.09	3.39e-03	-0.03	0.52
		0.49	-0.03	1.68e-06	0.0	60.0	-2.20	-0.14	0.09	3.39e-03	0.02	0.49
350	103	0.52	0.02	-3.03e-05	-0.19	0.0	-2.10	0.08	0.09	4.33e-03	-0.03	0.51
		0.50	-0.03	3.45e-06	0.0	60.0	-2.10	-0.11	0.09	4.33e-03	0.02	0.50
350	104	0.53	0.02	-1.41e-05	-0.19	0.0	-2.15	0.04	-0.05	3.37e-03	0.02	0.52
		0.50	-9.29e-03	9.92e-06	0.0	60.0	-2.15	-0.14	-0.05	3.37e-03	-9.29e-03	0.50
350	105	0.52	0.02	-2.99e-05	-0.19	0.0	-2.05	0.08	-0.05	4.31e-03	0.02	0.51
		0.50	-8.87e-03	1.17e-05	0.0	60.0	-2.05	-0.11	-0.05	4.31e-03	-8.87e-03	0.50
350	106	0.53	2.82e-03	-1.43e-05	-0.19	0.0	-2.17	0.05	-1.98e-03	3.38e-03	2.82e-03	0.52
		0.49	1.63e-03	7.19e-06	0.0	60.0	-2.17	-0.14	-1.98e-03	3.38e-03	1.63e-03	0.49
350	107	0.52	3.57e-03	-3.01e-05	-0.19	0.0	-2.07	0.08	-2.52e-03	4.32e-03	3.57e-03	0.51
		0.50	2.05e-03	8.96e-06	0.0	60.0	-2.07	-0.11	-2.52e-03	4.32e-03	2.05e-03	0.50
350	108	2.09	0.04	-4.82e-05	-0.19	0.0	-3.91	-1.66	-0.05	9.86e-03	0.02	2.09
		1.04	0.02	3.14e-04	0.0	60.0	-3.91	-1.85	-0.05	9.86e-03	0.04	1.04
350	111	-0.04	-0.02	-1.21e-05	-0.19	0.0	-0.24	1.82	0.05	-1.22e-03	-0.02	-1.07
		-1.07	-0.04	-2.96e-04	0.0	60.0	-0.24	1.63	0.05	-1.22e-03	-0.04	-0.04
350	113	2.14	0.10	-4.43e-05	-0.19	0.0	-3.38	-1.68	-0.23	9.95e-03	0.10	2.14
		1.08	7.03e-03	3.18e-04	0.0	60.0	-3.38	-1.87	-0.23	9.95e-03	7.03e-03	1.08
350	114	-0.07	-2.93e-03	-1.60e-05	-0.19	0.0	-0.77	1.83	0.23	-1.32e-03	-0.09	-1.12
		-1.12	-0.09	-3.00e-04	0.0	60.0	-0.77	1.65	0.23	-1.32e-03	-2.93e-03	-0.07
350	133	1.75	0.16	-9.07e-06	-0.19	0.0	-1.84	-1.20	-0.39	3.85e-03	0.16	1.75
		0.98	-0.06	6.59e-05	0.0	60.0	-1.84	-1.39	-0.39	3.85e-03	-0.06	0.98
350	134	0.03	0.06	-5.39e-05	-0.19	0.0	-2.31	1.36	0.39	4.78e-03	-0.15	-0.73
		-0.73	-0.15	-4.80e-05	0.0	60.0	-2.31	1.17	0.39	4.78e-03	0.06	0.03
350	140	2.29	0.05	-5.04e-05	-0.19	0.0	-4.13	-1.88	-0.06	0.01	0.03	2.29
		1.11	0.03	3.52e-04	0.0	60.0	-4.13	-2.07	-0.06	0.01	0.05	1.11
350	143	-0.10	-0.02	-9.86e-06	-0.19	0.0	-0.01	2.04	0.06	-1.92e-03	-0.02	-1.26
		-1.26	-0.04	-3.35e-04	0.0	60.0	-0.01	1.85	0.06	-1.92e-03	-0.04	-0.10
350	145	2.34	0.11	-4.60e-05	-0.19	0.0	-3.54	-1.90	-0.26	0.01	0.11	2.34
		1.15	7.66e-03	3.57e-04	0.0	60.0	-3.54	-2.09	-0.26	0.01	7.66e-03	1.15
350	146	-0.14	-3.56e-03	-1.43e-05	-0.19	0.0	-0.60	2.05	0.26	-2.03e-03	-0.10	-1.32
		-1.32	-0.10	-3.39e-04	0.0	60.0	-0.60	1.87	0.26	-2.03e-03	-3.56e-03	-0.14
350	165	1.90	0.18	-7.63e-06	-0.19	0.0	-1.81	-1.36	-0.44	3.79e-03	0.18	1.90

		1.03	-0.07	7.25e-05	0.0	60.0	-1.81	-1.55	-0.44	3.79e-03	-0.07	1.03
350	166	-0.03	0.07	-5.69e-05	-0.19	0.0	-2.34	1.52	0.44	4.85e-03	-0.17	-0.88
		-0.88	-0.17	-5.46e-05	0.0	60.0	-2.34	1.33	0.44	4.85e-03	0.07	-0.03
350	172	2.18	0.05	-4.94e-05	-0.19	0.0	-4.01	-1.77	-0.06	0.01	0.02	2.18
		1.07	0.02	3.45e-04	0.0	60.0	-4.01	-1.96	-0.06	0.01	0.05	1.07
350	175	-0.06	-0.02	-1.09e-05	-0.19	0.0	-0.13	1.93	0.05	-1.82e-03	-0.02	-1.16
		-1.16	-0.04	-3.27e-04	0.0	60.0	-0.13	1.74	0.05	-1.82e-03	-0.04	-0.06
350	177	2.24	0.10	-4.51e-05	-0.19	0.0	-3.45	-1.79	-0.26	0.01	0.10	2.24
		1.11	6.91e-03	3.49e-04	0.0	60.0	-3.45	-1.98	-0.26	0.01	6.91e-03	1.11
350	178	-0.11	-2.81e-03	-1.52e-05	-0.19	0.0	-0.70	1.94	0.25	-1.93e-03	-0.10	-1.22
		-1.22	-0.10	-3.31e-04	0.0	60.0	-0.70	1.76	0.25	-1.93e-03	-2.81e-03	-0.11
350	197	1.85	0.18	-6.98e-06	-0.19	0.0	-1.83	-1.30	-0.43	3.76e-03	0.18	1.85
		1.01	-0.07	6.59e-05	0.0	60.0	-1.83	-1.49	-0.43	3.76e-03	-0.07	1.01
350	198	-8.57e-03	0.07	-5.78e-05	-0.19	0.0	-2.31	1.45	0.43	4.87e-03	-0.17	-0.82
		-0.82	-0.17	-4.80e-05	0.0	60.0	-2.31	1.27	0.43	4.87e-03	0.07	-8.57e-03
350	204	2.42	0.05	-5.24e-05	-0.19	0.0	-4.28	-2.03	-0.07	0.01	0.03	2.42
		1.14	0.03	4.00e-04	0.0	60.0	-4.28	-2.22	-0.07	0.01	0.05	1.14
350	207	-0.14	-0.02	-7.88e-06	-0.19	0.0	0.14	2.19	0.06	-2.85e-03	-0.02	-1.39
		-1.39	-0.05	-3.82e-04	0.0	60.0	0.14	2.00	0.06	-2.85e-03	-0.05	-0.14
350	209	2.48	0.12	-4.73e-05	-0.19	0.0	-3.64	-2.05	-0.30	0.01	0.12	2.48
		1.20	7.46e-03	4.05e-04	0.0	60.0	-3.64	-2.24	-0.30	0.01	7.46e-03	1.20
350	210	-0.19	-3.35e-03	-1.30e-05	-0.19	0.0	-0.51	2.21	0.29	-2.98e-03	-0.11	-1.46
		-1.46	-0.11	-3.87e-04	0.0	60.0	-0.51	2.02	0.29	-2.98e-03	-3.35e-03	-0.19
350	229	2.04	0.20	-5.06e-06	-0.19	0.0	-1.80	-1.50	-0.50	3.63e-03	0.20	2.04
		1.09	-0.08	7.17e-05	0.0	60.0	-1.80	-1.69	-0.50	3.63e-03	-0.08	1.09
350	230	-0.09	0.08	-6.30e-05	-0.19	0.0	-2.35	1.66	0.50	5.01e-03	-0.20	-1.02
		-1.02	-0.20	-5.37e-05	0.0	60.0	-2.35	1.47	0.50	5.01e-03	0.08	-0.09
351	4	0.28	2.50e-03	1.88e-06	-0.16	0.0	-0.63	-0.36	0.27	6.69e-03	-0.10	0.28
		0.10	-0.10	1.00e-05	0.0	40.0	-0.63	-0.53	0.27	6.69e-03	2.50e-03	0.10
351	9	-0.03	-2.15e-03	1.38e-05	-0.16	0.0	-0.20	-0.41	0.26	4.14e-03	-0.10	-0.03
		-0.23	-0.10	7.18e-06	0.0	40.0	-0.20	-0.58	0.26	4.14e-03	-2.15e-03	-0.23
351	19	0.02	-0.02	1.72e-05	-0.13	0.0	-0.23	-0.19	0.40	3.35e-03	-0.18	0.02
		-0.08	-0.18	3.69e-06	0.0	40.0	-0.23	-0.31	0.40	3.35e-03	-0.02	-0.08
351	27	0.35	0.06	7.55e-06	-0.16	0.0	-0.31	-0.24	-0.08	6.80e-03	0.06	0.35
		0.23	0.02	1.08e-05	0.0	40.0	-0.31	-0.40	-0.08	6.80e-03	0.02	0.23
351	44	0.23	0.09	9.23e-06	-0.16	0.0	-0.08	-0.30	-0.16	5.86e-03	0.09	0.23
		0.08	0.03	1.05e-05	0.0	40.0	-0.08	-0.46	-0.16	5.86e-03	0.03	0.08
351	45	0.06	0.09	2.06e-05	-0.13	0.0	0.29	-0.12	-0.17	3.19e-03	0.09	0.06
		-0.01	0.02	5.72e-06	0.0	40.0	0.29	-0.24	-0.17	3.19e-03	0.02	-0.01
351	68	0.19	2.63e-03	4.38e-06	-0.13	0.0	-0.40	-0.26	0.18	4.84e-03	-0.07	0.19
		0.06	-0.07	7.25e-06	0.0	40.0	-0.40	-0.38	0.18	4.84e-03	2.63e-03	0.06
351	69	-0.02	-4.73e-04	1.23e-05	-0.13	0.0	-0.11	-0.29	0.17	3.14e-03	-0.07	-0.02
		-0.16	-0.07	5.36e-06	0.0	40.0	-0.11	-0.42	0.17	3.14e-03	-4.73e-04	-0.16
351	72	0.04	-7.31e-03	1.67e-05	-0.13	0.0	-0.17	-0.19	0.27	3.43e-03	-0.12	0.04
		-0.06	-0.12	4.37e-06	0.0	40.0	-0.17	-0.31	0.27	3.43e-03	-7.31e-03	-0.06
351	79	0.24	0.04	8.16e-06	-0.13	0.0	-0.19	-0.17	-0.05	4.92e-03	0.04	0.24
		0.14	0.02	7.75e-06	0.0	40.0	-0.19	-0.30	-0.05	4.92e-03	0.02	0.14
351	85	0.06	0.06	1.90e-05	-0.13	0.0	0.18	-0.14	-0.11	3.32e-03	0.06	0.06
		-0.02	0.02	5.72e-06	0.0	40.0	0.18	-0.26	-0.11	3.32e-03	0.02	-0.02
351	88	0.15	0.06	9.28e-06	-0.13	0.0	-0.04	-0.21	-0.10	4.29e-03	0.06	0.15
		0.04	0.02	7.56e-06	0.0	40.0	-0.04	-0.34	-0.10	4.29e-03	0.02	0.04
351	98	0.18	0.01	1.06e-05	-0.13	0.0	-0.20	-0.18	0.02	4.48e-03	1.21e-03	0.18
		0.08	1.21e-03	6.86e-06	0.0	40.0	-0.20	-0.31	0.02	4.48e-03	0.01	0.08
351	99	0.04	8.84e-03	1.69e-05	-0.13	0.0	3.20e-03	-0.19	0.02	3.33e-03	8.43e-04	0.04
		-0.06	8.43e-04	5.45e-06	0.0	40.0	3.20e-03	-0.31	0.02	3.33e-03	8.84e-03	-0.06
351	102	0.05	5.54e-03	1.76e-05	-0.13	0.0	-0.03	-0.17	0.07	3.39e-03	-0.02	0.05
		-0.04	-0.02	5.14e-06	0.0	40.0	-0.03	-0.29	0.07	3.39e-03	5.54e-03	-0.04
351	103	0.16	7.53e-03	1.14e-05	-0.13	0.0	-0.21	-0.18	0.07	4.33e-03	-0.02	0.16
		0.06	-0.02	6.45e-06	0.0	40.0	-0.21	-0.31	0.07	4.33e-03	7.53e-03	0.06
351	104	0.06	0.01	1.81e-05	-0.13	0.0	0.04	-0.16	-5.64e-03	3.37e-03	0.01	0.06
		-0.03	0.01	5.41e-06	0.0	40.0	0.04	-0.28	-5.64e-03	3.37e-03	0.01	-0.03
351	105	0.16	0.01	1.19e-05	-0.13	0.0	-0.14	-0.17	-1.54e-03	4.31e-03	0.01	0.16
		0.07	0.01	6.72e-06	0.0	40.0	-0.14	-0.30	-1.54e-03	4.31e-03	0.01	0.07
351	106	0.06	8.76e-03	1.79e-05	-0.13	0.0	5.74e-03	-0.16	0.02	3.38e-03	8.10e-04	0.06
		-0.03	8.10e-04	5.33e-06	0.0	40.0	5.74e-03	-0.29	0.02	3.38e-03	8.76e-03	-0.03
351	107	0.16	0.01	1.17e-05	-0.13	0.0	-0.17	-0.18	0.02	4.32e-03	1.16e-03	0.16
		0.07	1.16e-03	6.64e-06	0.0	40.0	-0.17	-0.30	0.02	4.32e-03	0.01	0.07
351	108	-3.02	0.02	-9.22e-05	-0.13	0.0	1.56	1.65	-0.01	9.86e-03	0.02	-3.88
		-3.88	-3.88e-03	2.16e-04	0.0	40.0	1.56	1.53	-0.01	9.86e-03	-3.88e-03	-3.02
351	111	4.21	0.03	1.16e-04	-0.13	0.0	-1.90	-2.01	0.06	-1.22e-03	-0.01	4.21
		3.15	-0.01	-2.03e-04	0.0	40.0	-1.90	-2.14	0.06	-1.22e-03	0.03	3.15
351	113	-2.89	0.08	-8.55e-05	-0.13	0.0	2.35	2.35	-0.13	9.96e-03	0.08	-3.80
		-3.80	0.01	2.14e-04	0.0	40.0	2.35	2.23	-0.13	9.96e-03	0.01	-2.89
351	114	4.12	0.01	1.09e-04	-0.13	0.0	-2.69	-2.71	0.18	-1.31e-03	-0.08	4.12
		3.02	-0.08	-2.01e-04	0.0	40.0	-2.69	-2.83	0.18	-1.31e-03	0.01	3.02

351	133	-1.86	0.14	-3.94e-05	-0.13	0.0	2.29	1.80	-0.24	3.86e-03	0.14	-2.54
		-2.54	0.04	3.59e-05	0.0	40.0	2.29	1.67	-0.24	3.86e-03	0.04	-1.86
351	134	2.86	-0.01	6.28e-05	-0.13	0.0	-2.64	-2.16	0.29	4.79e-03	-0.13	2.86
		1.99	-0.13	-2.26e-05	0.0	40.0	-2.64	-2.28	0.29	4.79e-03	-0.01	1.99
351	140	-3.40	0.02	-1.05e-04	-0.13	0.0	1.78	1.88	-0.02	0.01	0.02	-4.39
		-4.39	-5.71e-03	2.43e-04	0.0	40.0	1.78	1.76	-0.02	0.01	-5.71e-03	-3.40
351	143	4.71	0.03	1.29e-04	-0.13	0.0	-2.12	-2.24	0.07	-1.91e-03	-0.02	4.71
		3.53	-0.02	-2.29e-04	0.0	40.0	-2.12	-2.36	0.07	-1.91e-03	0.03	3.53
351	145	-3.26	0.09	-9.77e-05	-0.13	0.0	2.66	2.67	-0.15	0.01	0.09	-4.29
		-4.29	0.01	2.40e-04	0.0	40.0	2.66	2.54	-0.15	0.01	0.01	-3.26
351	146	4.61	0.01	1.21e-04	-0.13	0.0	-3.00	-3.02	0.20	-2.02e-03	-0.09	4.61
		3.39	-0.09	-2.27e-04	0.0	40.0	-3.00	-3.15	0.20	-2.02e-03	0.01	3.39
351	165	-2.10	0.15	-4.58e-05	-0.13	0.0	2.60	2.05	-0.27	3.80e-03	0.15	-2.87
		-2.87	0.04	3.92e-05	0.0	40.0	2.60	1.92	-0.27	3.80e-03	0.04	-2.10
351	166	3.20	-0.02	6.91e-05	-0.13	0.0	-2.94	-2.40	0.32	4.85e-03	-0.15	3.20
		2.23	-0.15	-2.59e-05	0.0	40.0	-2.94	-2.53	0.32	4.85e-03	-0.02	2.23
351	172	-3.23	0.02	-1.03e-04	-0.13	0.0	1.68	1.76	-0.02	0.01	0.02	-4.15
		-4.15	-5.40e-03	2.38e-04	0.0	40.0	1.68	1.63	-0.02	0.01	-5.40e-03	-3.23
351	175	4.47	0.03	1.27e-04	-0.13	0.0	-2.02	-2.11	0.06	-1.82e-03	-0.02	4.47
		3.36	-0.02	-2.24e-04	0.0	40.0	-2.02	-2.24	0.06	-1.82e-03	0.03	3.36
351	197	-1.99	0.15	-4.50e-05	-0.13	0.0	2.53	1.96	-0.27	3.77e-03	0.15	-2.73
		-2.73	0.04	3.47e-05	0.0	40.0	2.53	1.83	-0.27	3.77e-03	0.04	-1.99
351	198	3.05	-0.02	6.84e-05	-0.13	0.0	-2.87	-2.31	0.31	4.88e-03	-0.15	3.05
		2.12	-0.15	-2.14e-05	0.0	40.0	-2.87	-2.44	0.31	4.88e-03	-0.02	2.12
351	204	-3.71	0.02	-1.22e-04	-0.13	0.0	1.94	2.02	-0.02	0.01	0.02	-4.77
		-4.77	-8.03e-03	2.75e-04	0.0	40.0	1.94	1.90	-0.02	0.01	-8.03e-03	-3.71
351	207	5.09	0.03	1.45e-04	-0.13	0.0	-2.28	-2.38	0.07	-2.85e-03	-0.02	5.09
		3.84	-0.02	-2.62e-04	0.0	40.0	-2.28	-2.50	0.07	-2.85e-03	0.03	3.84
351	229	-2.29	0.17	-5.41e-05	-0.13	0.0	2.95	2.28	-0.31	3.64e-03	0.17	-3.15
		-3.15	0.04	3.69e-05	0.0	40.0	2.95	2.15	-0.31	3.64e-03	0.04	-2.29
351	230	3.48	-0.02	7.74e-05	-0.13	0.0	-3.29	-2.63	0.36	5.01e-03	-0.17	3.48
		2.42	-0.17	-2.37e-05	0.0	40.0	-3.29	-2.76	0.36	5.01e-03	-0.02	2.42
352	8	0.10	9.44e-04	0.0	-0.13	0.0	-0.23	-0.26	4.21e-03	5.47e-03	-7.40e-04	0.10
		-0.03	-7.40e-04	9.48e-06	0.0	40.0	-0.23	-0.39	4.21e-03	5.47e-03	9.44e-04	-0.03
352	9	-0.23	2.23e-03	8.30e-06	-0.16	0.0	0.25	-0.18	0.01	4.14e-03	-2.15e-03	-0.23
		-0.33	-2.15e-03	8.48e-06	0.0	40.0	0.25	-0.34	0.01	4.14e-03	2.23e-03	-0.33
352	19	-0.08	2.00e-03	1.49e-05	-0.13	0.0	0.11	-0.07	0.04	3.35e-03	-0.02	-0.08
		-0.13	-0.02	4.55e-06	0.0	40.0	0.11	-0.19	0.04	3.35e-03	2.00e-03	-0.13
352	31	0.23	0.02	7.79e-06	-0.13	0.0	0.12	-0.20	-0.05	5.58e-03	0.02	0.23
		0.12	6.76e-04	1.03e-05	0.0	40.0	0.12	-0.32	-0.05	5.58e-03	6.76e-04	0.12
352	41	-0.01	0.02	2.23e-05	-0.16	0.0	0.73	-0.06	-0.05	4.41e-03	0.02	-0.01
		-0.07	1.82e-03	9.01e-06	0.0	40.0	0.73	-0.22	-0.05	4.41e-03	1.82e-03	-0.07
352	44	0.08	0.03	9.51e-06	-0.16	0.0	0.41	-0.22	-0.07	5.86e-03	0.03	0.08
		-0.04	1.02e-03	1.22e-05	0.0	40.0	0.41	-0.38	-0.07	5.86e-03	1.02e-03	-0.04
352	68	0.06	2.63e-03	4.67e-06	-0.13	0.0	-0.05	-0.20	-3.40e-03	4.84e-03	2.63e-03	0.06
		-0.04	1.27e-03	8.57e-06	0.0	40.0	-0.05	-0.33	-3.40e-03	4.84e-03	1.27e-03	-0.04
352	69	-0.16	1.79e-03	8.39e-06	-0.13	0.0	0.23	-0.11	5.65e-03	3.14e-03	-4.73e-04	-0.16
		-0.23	-4.73e-04	6.33e-06	0.0	40.0	0.23	-0.24	5.65e-03	3.14e-03	1.79e-03	-0.23
352	72	-0.06	1.98e-03	1.47e-05	-0.13	0.0	0.18	-0.07	0.02	3.43e-03	-7.31e-03	-0.06
		-0.11	-7.31e-03	5.28e-06	0.0	40.0	0.18	-0.20	0.02	3.43e-03	1.98e-03	-0.11
352	79	0.14	0.02	9.96e-06	-0.13	0.0	0.19	-0.16	-0.04	4.92e-03	0.02	0.14
		0.05	1.09e-03	9.08e-06	0.0	40.0	0.19	-0.28	-0.04	4.92e-03	1.09e-03	0.05
352	85	-0.02	0.02	1.77e-05	-0.13	0.0	0.55	-0.04	-0.04	3.32e-03	0.02	-0.02
		-0.06	1.51e-03	6.69e-06	0.0	40.0	0.55	-0.16	-0.04	3.32e-03	1.51e-03	-0.06
352	88	0.04	0.02	9.19e-06	-0.13	0.0	0.34	-0.14	-0.05	4.29e-03	0.02	0.04
		-0.04	9.75e-04	8.81e-06	0.0	40.0	0.34	-0.27	-0.05	4.29e-03	9.75e-04	-0.04
352	98	0.08	0.01	1.13e-05	-0.13	0.0	0.16	-0.13	-0.02	4.48e-03	0.01	0.08
		3.15e-03	1.58e-03	8.07e-06	0.0	40.0	0.16	-0.26	-0.02	4.48e-03	1.58e-03	3.15e-03
352	99	-0.06	8.84e-03	1.49e-05	-0.13	0.0	0.36	-0.07	-0.02	3.33e-03	8.84e-03	-0.06
		-0.11	1.97e-03	6.40e-06	0.0	40.0	0.36	-0.19	-0.02	3.33e-03	1.97e-03	-0.11
352	103	0.06	7.53e-03	1.17e-05	-0.13	0.0	0.15	-0.13	-0.01	4.33e-03	7.53e-03	0.06
		-0.02	1.63e-03	7.61e-06	0.0	40.0	0.15	-0.25	-0.01	4.33e-03	1.63e-03	-0.02
352	104	-0.03	0.01	1.66e-05	-0.13	0.0	0.40	-0.05	-0.02	3.37e-03	0.01	-0.03
		-0.08	1.91e-03	6.35e-06	0.0	40.0	0.40	-0.18	-0.02	3.37e-03	1.91e-03	-0.08
352	105	0.07	0.01	1.23e-05	-0.13	0.0	0.23	-0.12	-0.03	4.31e-03	0.01	0.07
		-3.96e-03	1.54e-03	7.89e-06	0.0	40.0	0.23	-0.25	-0.03	4.31e-03	1.54e-03	-3.96e-03
352	106	-0.03	8.76e-03	1.63e-05	-0.13	0.0	0.36	-0.06	-0.02	3.38e-03	8.76e-03	-0.03
		-0.08	2.01e-03	6.27e-06	0.0	40.0	0.36	-0.18	-0.02	3.38e-03	2.01e-03	-0.08
352	107	0.07	0.01	1.20e-05	-0.13	0.0	0.19	-0.12	-0.02	4.32e-03	0.01	0.07
		-8.95e-03	1.64e-03	7.81e-06	0.0	40.0	0.19	-0.25	-0.02	4.32e-03	1.64e-03	-8.95e-03
352	108	-1.25	-1.13e-03	-1.23e-04	-0.13	0.0	0.92	4.51	-0.03	9.86e-03	-3.88e-03	-3.02
		-3.02	-3.88e-03	2.17e-04	0.0	40.0	0.92	4.38	-0.03	9.86e-03	-1.13e-03	-1.25
352	111	3.15	0.03	1.47e-04	-0.13	0.0	-0.54	-4.75	-0.02	-1.22e-03	0.03	3.15
		1.23	4.41e-03	-2.01e-04	0.0	40.0	-0.54	-4.88	-0.02	-1.22e-03	4.41e-03	1.23
352	132	0.42	3.58e-03	1.83e-05	-0.13	0.0	-1.18	-1.04	0.05	8.60e-03	-0.02	0.42

		-0.65	-0.02	1.08e-04	0.0	40.0	-1.18	-1.17	0.05	8.60e-03	3.58e-03	-0.65
352	133	0.02	0.04	-6.20e-05	-0.13	0.0	2.13	3.20	-0.10	3.86e-03	0.04	-1.86
		-1.86	-2.25e-03	3.89e-05	0.0	40.0	2.13	3.08	-0.10	3.86e-03	-2.25e-03	0.02
352	134	1.99	5.53e-03	8.60e-05	-0.13	0.0	-1.75	-3.45	0.06	4.79e-03	-0.01	1.99
		-0.04	-0.01	-2.33e-05	0.0	40.0	-1.75	-3.58	0.06	4.79e-03	5.53e-03	-0.04
352	135	0.63	0.04	5.67e-06	-0.13	0.0	1.56	0.80	-0.09	5.33e-05	0.04	-0.29
		-0.29	-3.01e-04	-9.21e-05	0.0	40.0	1.56	0.67	-0.09	5.33e-05	-3.01e-04	0.63
352	140	-1.40	-1.48e-03	-1.40e-04	-0.13	0.0	1.02	5.08	-0.03	0.01	-5.71e-03	-3.40
		-3.40	-5.71e-03	2.43e-04	0.0	40.0	1.02	4.96	-0.03	0.01	-1.48e-03	-1.40
352	143	3.53	0.03	1.64e-04	-0.13	0.0	-0.63	-5.33	-0.02	-1.91e-03	0.03	3.53
		1.38	4.77e-03	-2.27e-04	0.0	40.0	-0.63	-5.46	-0.02	-1.91e-03	4.77e-03	1.38
352	164	0.46	3.82e-03	1.90e-05	-0.13	0.0	-1.35	-1.15	0.05	9.14e-03	-0.02	0.46
		-0.73	-0.02	1.21e-04	0.0	40.0	-1.35	-1.28	0.05	9.14e-03	3.82e-03	-0.73
352	165	0.03	0.04	-7.12e-05	-0.13	0.0	2.38	3.61	-0.11	3.80e-03	0.04	-2.10
		-2.10	-2.73e-03	4.24e-05	0.0	40.0	2.38	3.49	-0.11	3.80e-03	-2.73e-03	0.03
352	166	2.23	6.02e-03	9.53e-05	-0.13	0.0	-1.99	-3.86	0.07	4.85e-03	-0.02	2.23
		-0.05	-0.02	-2.68e-05	0.0	40.0	-1.99	-3.99	0.07	4.85e-03	6.02e-03	-0.05
352	167	0.71	0.04	5.00e-06	-0.13	0.0	1.73	0.91	-0.10	-4.92e-04	0.04	-0.33
		-0.33	-5.41e-04	-1.05e-04	0.0	40.0	1.73	0.78	-0.10	-4.92e-04	-5.41e-04	0.71
352	172	-1.34	-1.40e-03	-1.39e-04	-0.13	0.0	0.96	4.81	-0.02	0.01	-5.40e-03	-3.23
		-3.23	-5.40e-03	2.38e-04	0.0	40.0	0.96	4.68	-0.02	0.01	-1.40e-03	-1.34
352	175	3.36	0.03	1.63e-04	-0.13	0.0	-0.58	-5.05	-0.02	-1.82e-03	0.03	3.36
		1.32	4.69e-03	-2.22e-04	0.0	40.0	-0.58	-5.18	-0.02	-1.82e-03	4.69e-03	1.32
352	196	0.45	3.80e-03	1.91e-05	-0.13	0.0	-1.34	-1.14	0.05	9.11e-03	-0.02	0.45
		-0.68	-0.02	1.23e-04	0.0	40.0	-1.34	-1.27	0.05	9.11e-03	3.80e-03	-0.68
352	197	0.01	0.04	-7.09e-05	-0.13	0.0	2.33	3.45	-0.11	3.77e-03	0.04	-1.99
		-1.99	-2.63e-03	3.79e-05	0.0	40.0	2.33	3.33	-0.11	3.77e-03	-2.63e-03	0.01
352	198	2.12	5.91e-03	9.49e-05	-0.13	0.0	-1.94	-3.70	0.07	4.88e-03	-0.02	2.12
		-0.03	-0.02	-2.23e-05	0.0	40.0	-1.94	-3.82	0.07	4.88e-03	5.91e-03	-0.03
352	199	0.66	0.04	4.92e-06	-0.13	0.0	1.72	0.89	-0.10	-4.61e-04	0.04	-0.32
		-0.32	-5.22e-04	-1.07e-04	0.0	40.0	1.72	0.77	-0.10	-4.61e-04	-5.22e-04	0.66
352	204	-1.54	-1.88e-03	-1.65e-04	-0.13	0.0	1.07	5.51	-0.02	0.01	-8.03e-03	-3.71
		-3.71	-8.03e-03	2.75e-04	0.0	40.0	1.07	5.39	-0.02	0.01	-1.88e-03	-1.54
352	207	3.84	0.03	1.89e-04	-0.13	0.0	-0.69	-5.76	-0.02	-2.85e-03	0.03	3.84
		1.52	5.17e-03	-2.60e-04	0.0	40.0	-0.69	-5.88	-0.02	-2.85e-03	5.17e-03	1.52
352	228	0.51	4.16e-03	1.97e-05	-0.13	0.0	-1.60	-1.31	0.07	9.96e-03	-0.03	0.51
		-0.77	-0.03	1.44e-04	0.0	40.0	-1.60	-1.44	0.07	9.96e-03	4.16e-03	-0.77
352	229	0.01	0.04	-8.45e-05	-0.13	0.0	2.66	3.98	-0.13	3.64e-03	0.04	-2.29
		-2.29	-3.31e-03	4.05e-05	0.0	40.0	2.66	3.86	-0.13	3.64e-03	-3.31e-03	0.01
352	230	2.42	6.59e-03	1.08e-04	-0.13	0.0	-2.28	-4.23	0.08	5.01e-03	-0.02	2.42
		-0.03	-0.02	-2.49e-05	0.0	40.0	-2.28	-4.36	0.08	5.01e-03	6.59e-03	-0.03
352	231	0.76	0.05	4.35e-06	-0.13	0.0	1.98	1.06	-0.11	-1.31e-03	0.05	-0.37
		-0.37	-8.82e-04	-1.29e-04	0.0	40.0	1.98	0.94	-0.11	-1.31e-03	-8.82e-04	0.76
353	9	0.0	2.23e-03	-7.58e-06	-0.16	0.0	1.02	0.91	-0.19	4.14e-03	2.23e-03	-0.33
		-0.33	-0.07	9.88e-06	0.0	40.0	1.02	0.75	-0.19	4.14e-03	-0.07	0.0
353	22	0.0	1.20e-03	-4.80e-06	-0.13	0.0	0.50	0.31	-0.19	4.79e-03	1.20e-03	-0.10
		-0.10	-0.07	9.16e-06	0.0	40.0	0.50	0.19	-0.19	4.79e-03	-0.07	0.0
353	28	7.62e-03	1.04e-03	1.62e-06	-0.16	0.0	1.24	0.08	-0.29	6.60e-03	1.04e-03	-1.07e-03
		-1.07e-03	-0.12	1.46e-05	0.0	40.0	1.24	-0.08	-0.29	6.60e-03	-0.12	0.0
353	31	0.12	6.76e-04	9.99e-06	-0.13	0.0	1.02	-0.25	-0.23	5.58e-03	6.76e-04	0.12
		0.0	-0.09	1.14e-05	0.0	40.0	1.02	-0.37	-0.23	5.58e-03	-0.09	0.0
353	41	0.0	1.82e-03	1.81e-05	-0.16	0.0	1.67	0.25	-0.20	4.41e-03	1.82e-03	-0.07
		-0.07	-0.08	1.00e-05	0.0	40.0	1.67	0.09	-0.20	4.41e-03	-0.08	0.0
353	49	0.0	2.57e-03	1.42e-05	-0.16	0.0	1.33	0.35	-0.18	4.50e-03	2.57e-03	-0.11
		-0.11	-0.07	9.57e-06	0.0	40.0	1.33	0.19	-0.18	4.50e-03	-0.07	0.0
353	69	0.0	1.79e-03	-2.67e-06	-0.13	0.0	0.83	0.64	-0.14	3.14e-03	1.79e-03	-0.23
		-0.23	-0.05	7.37e-06	0.0	40.0	0.83	0.52	-0.14	3.14e-03	-0.05	0.0
353	75	0.0	1.44e-03	0.0	-0.13	0.0	0.67	0.30	-0.17	4.39e-03	1.44e-03	-0.09
		-0.09	-0.07	8.67e-06	0.0	40.0	0.67	0.17	-0.17	4.39e-03	-0.07	0.0
353	79	0.05	1.09e-03	9.82e-06	-0.13	0.0	1.01	-0.07	-0.20	4.92e-03	1.09e-03	0.05
		0.0	-0.08	1.02e-05	0.0	40.0	1.01	-0.20	-0.20	4.92e-03	-0.08	0.0
353	80	1.94e-03	9.91e-04	3.46e-06	-0.13	0.0	0.98	0.09	-0.21	4.78e-03	9.91e-04	-0.01
		-0.01	-0.08	1.05e-05	0.0	40.0	0.98	-0.04	-0.21	4.78e-03	-0.08	0.0
353	85	0.0	1.51e-03	1.44e-05	-0.13	0.0	1.26	0.20	-0.15	3.32e-03	1.51e-03	-0.06
		-0.06	-0.06	7.48e-06	0.0	40.0	1.26	0.08	-0.15	3.32e-03	-0.06	0.0
353	89	0.0	2.01e-03	1.19e-05	-0.13	0.0	1.03	0.27	-0.14	3.38e-03	2.01e-03	-0.08
		-0.08	-0.05	7.16e-06	0.0	40.0	1.03	0.14	-0.14	3.38e-03	-0.05	0.0
353	97	0.0	2.01e-03	1.19e-05	-0.13	0.0	1.03	0.27	-0.14	3.38e-03	2.01e-03	-0.08
		-0.08	-0.05	7.16e-06	0.0	40.0	1.03	0.14	-0.14	3.38e-03	-0.05	0.0
353	98	7.94e-03	1.58e-03	9.36e-06	-0.13	0.0	0.92	0.05	-0.18	4.48e-03	1.58e-03	3.15e-03
		0.0	-0.07	9.13e-06	0.0	40.0	0.92	-0.07	-0.18	4.48e-03	-0.07	0.0
353	99	0.0	1.97e-03	9.33e-06	-0.13	0.0	1.02	0.33	-0.14	3.33e-03	1.97e-03	-0.11
		-0.11	-0.05	7.30e-06	0.0	40.0	1.02	0.21	-0.14	3.33e-03	-0.05	0.0
353	103	9.59e-04	1.63e-03	9.11e-06	-0.13	0.0	0.89	0.10	-0.17	4.33e-03	1.63e-03	-0.02
		-0.02	-0.07	8.69e-06	0.0	40.0	0.89	-0.02	-0.17	4.33e-03	-0.07	0.0

353	104	0.0	1.91e-03	1.24e-05	-0.13	0.0	1.08	0.25	-0.14	3.37e-03	1.91e-03	-0.08
		-0.08	-0.05	7.23e-06	0.0	40.0	1.08	0.13	-0.14	3.37e-03	-0.05	0.0
353	106	0.0	2.01e-03	1.19e-05	-0.13	0.0	1.03	0.27	-0.14	3.38e-03	2.01e-03	-0.08
		-0.08	-0.05	7.16e-06	0.0	40.0	1.03	0.14	-0.14	3.38e-03	-0.05	0.0
353	107	2.59e-03	1.64e-03	9.71e-06	-0.13	0.0	0.94	0.09	-0.17	4.32e-03	1.64e-03	-8.95e-03
		-8.95e-03	-0.07	8.85e-06	0.0	40.0	0.94	-0.04	-0.17	4.32e-03	-0.07	0.0
353	108	0.0	-1.13e-03	-9.09e-05	-0.13	0.0	-0.57	3.18	-0.05	9.86e-03	-1.13e-03	-1.25
		-1.25	-0.05	2.17e-04	0.0	40.0	-0.57	3.05	-0.05	9.86e-03	-0.05	0.0
353	111	1.23	4.41e-03	1.10e-04	-0.13	0.0	2.44	-3.01	-0.30	-1.22e-03	4.41e-03	1.23
		0.0	-0.08	-1.99e-04	0.0	40.0	2.44	-3.13	-0.30	-1.22e-03	-0.08	0.0
353	124	0.0	0.03	-9.57e-05	-0.13	0.0	-1.35	2.73	0.10	3.54e-03	2.25e-03	-1.07
		-1.07	2.25e-03	4.02e-05	0.0	40.0	-1.35	2.61	0.10	3.54e-03	0.03	0.0
353	127	1.05	1.03e-03	1.15e-04	-0.13	0.0	3.23	-2.56	-0.44	5.11e-03	1.03e-03	1.05
		0.0	-0.17	-2.25e-05	0.0	40.0	3.23	-2.69	-0.44	5.11e-03	-0.17	0.0
353	133	0.02	-2.25e-03	-4.10e-05	-0.13	0.0	2.25	8.16e-04	-0.43	3.86e-03	-2.25e-03	0.02
		0.0	-0.18	4.15e-05	0.0	40.0	2.25	-0.12	-0.43	3.86e-03	-0.18	0.0
353	134	0.0	0.05	6.04e-05	-0.13	0.0	-0.38	0.17	0.08	4.79e-03	5.53e-03	-0.04
		-0.04	5.53e-03	-2.38e-05	0.0	40.0	-0.38	0.04	0.08	4.79e-03	0.05	0.0
353	140	0.0	-1.48e-03	-1.04e-04	-0.13	0.0	-0.75	3.57	-0.03	0.01	-1.48e-03	-1.40
		-1.40	-0.05	2.43e-04	0.0	40.0	-0.75	3.44	-0.03	0.01	-0.05	0.0
353	143	1.38	4.77e-03	1.23e-04	-0.13	0.0	2.63	-3.40	-0.31	-1.91e-03	4.77e-03	1.38
		0.0	-0.08	-2.25e-04	0.0	40.0	2.63	-3.52	-0.31	-1.91e-03	-0.08	0.0
353	156	0.0	0.04	-1.09e-04	-0.13	0.0	-1.64	3.06	0.13	3.44e-03	2.32e-03	-1.20
		-1.20	2.32e-03	4.39e-05	0.0	40.0	-1.64	2.94	0.13	3.44e-03	0.04	0.0
353	159	1.18	9.67e-04	1.28e-04	-0.13	0.0	3.51	-2.89	-0.48	5.21e-03	9.67e-04	1.18
		0.0	-0.18	-2.62e-05	0.0	40.0	3.51	-3.02	-0.48	5.21e-03	-0.18	0.0
353	165	0.03	-2.73e-03	-4.73e-05	-0.13	0.0	2.42	-6.06e-03	-0.46	3.80e-03	-2.73e-03	0.03
		0.0	-0.20	4.53e-05	0.0	40.0	2.42	-0.13	-0.46	3.80e-03	-0.20	0.0
353	166	0.0	0.06	6.68e-05	-0.13	0.0	-0.54	0.18	0.11	4.85e-03	6.02e-03	-0.05
		-0.05	6.02e-03	-2.76e-05	0.0	40.0	-0.54	0.05	0.11	4.85e-03	0.06	0.0
353	172	0.0	-1.40e-03	-1.09e-04	-0.13	0.0	-0.71	3.41	-0.04	0.01	-1.40e-03	-1.34
		-1.34	-0.05	2.38e-04	0.0	40.0	-0.71	3.29	-0.04	0.01	-0.05	0.0
353	175	1.32	4.69e-03	1.29e-04	-0.13	0.0	2.58	-3.24	-0.31	-1.82e-03	4.69e-03	1.32
		0.0	-0.08	-2.20e-04	0.0	40.0	2.58	-3.37	-0.31	-1.82e-03	-0.08	0.0
353	188	0.0	0.04	-1.10e-04	-0.13	0.0	-1.59	2.97	0.13	3.41e-03	2.14e-03	-1.16
		-1.16	2.14e-03	3.93e-05	0.0	40.0	-1.59	2.85	0.13	3.41e-03	0.04	0.0
353	191	1.15	1.14e-03	1.30e-04	-0.13	0.0	3.46	-2.80	-0.47	5.24e-03	1.14e-03	1.15
		0.0	-0.17	-2.16e-05	0.0	40.0	3.46	-2.93	-0.47	5.24e-03	-0.17	0.0
353	197	0.01	-2.63e-03	-4.88e-05	-0.13	0.0	2.38	0.03	-0.45	3.77e-03	-2.63e-03	0.01
		0.0	-0.20	4.07e-05	0.0	40.0	2.38	-0.10	-0.45	3.77e-03	-0.20	0.0
353	198	0.0	0.06	6.82e-05	-0.13	0.0	-0.51	0.14	0.11	4.88e-03	5.91e-03	-0.03
		-0.03	5.91e-03	-2.30e-05	0.0	40.0	-0.51	0.01	0.11	4.88e-03	0.06	0.0
353	204	0.0	-1.88e-03	-1.33e-04	-0.13	0.0	-0.97	3.91	-0.02	0.01	-1.88e-03	-1.54
		-1.54	-0.05	2.75e-04	0.0	40.0	-0.97	3.78	-0.02	0.01	-0.05	0.0
353	207	1.52	5.17e-03	1.52e-04	-0.13	0.0	2.84	-3.74	-0.33	-2.85e-03	5.17e-03	1.52
		0.0	-0.08	-2.57e-04	0.0	40.0	2.84	-3.86	-0.33	-2.85e-03	-0.08	0.0
353	220	0.0	0.06	-1.31e-04	-0.13	0.0	-1.99	3.42	0.17	3.20e-03	2.16e-03	-1.34
		-1.34	2.16e-03	4.25e-05	0.0	40.0	-1.99	3.30	0.17	3.20e-03	0.06	0.0
353	223	1.33	1.13e-03	1.51e-04	-0.13	0.0	3.87	-3.25	-0.52	5.44e-03	1.13e-03	1.33
		0.0	-0.19	-2.48e-05	0.0	40.0	3.87	-3.38	-0.52	5.44e-03	-0.19	0.0
353	229	0.01	-3.31e-03	-5.93e-05	-0.13	0.0	2.61	0.03	-0.50	3.64e-03	-3.31e-03	0.01
		0.0	-0.22	4.36e-05	0.0	40.0	2.61	-0.09	-0.50	3.64e-03	-0.22	0.0
353	230	0.0	0.08	7.87e-05	-0.13	0.0	-0.73	0.14	0.16	5.01e-03	6.59e-03	-0.03
		-0.03	6.59e-03	-2.59e-05	0.0	40.0	-0.73	0.01	0.16	5.01e-03	0.08	0.0
354	4	0.08	-1.58e-03	-6.78e-05	-0.16	0.0	0.55	0.27	0.29	2.01e-04	-0.12	0.0
		0.0	-0.12	1.12e-06	0.0	40.0	0.55	0.11	0.29	2.01e-04	-1.58e-03	0.08
354	22	0.05	-3.26e-03	-5.09e-05	-0.13	0.0	0.25	0.20	0.21	1.48e-04	-0.09	0.0
		0.0	-0.09	0.0	0.0	40.0	0.25	0.07	0.21	1.48e-04	-3.26e-03	0.05
354	27	0.12	1.69e-03	-7.19e-05	-0.16	0.0	1.09	0.39	0.29	1.94e-04	-0.11	0.0
		0.0	-0.11	1.30e-06	0.0	40.0	1.09	0.23	0.29	1.94e-04	1.69e-03	0.12
354	41	0.12	2.89e-03	-6.82e-05	-0.16	0.0	1.44	0.37	0.21	1.93e-04	-0.08	0.0
		0.0	-0.08	0.0	0.0	40.0	1.44	0.21	0.21	1.93e-04	2.89e-03	0.12
354	42	0.07	2.92e-03	-6.49e-05	-0.16	0.0	1.34	0.27	0.21	2.04e-04	-0.08	0.0
		0.0	-0.08	1.20e-06	0.0	40.0	1.34	0.10	0.21	2.04e-04	2.92e-03	0.07
354	68	0.07	-9.14e-04	-5.22e-05	-0.13	0.0	0.49	0.23	0.21	1.54e-04	-0.08	0.0
		0.0	-0.08	0.0	0.0	40.0	0.49	0.10	0.21	1.54e-04	-9.14e-04	0.07
354	75	0.06	-1.84e-03	-5.12e-05	-0.13	0.0	0.43	0.22	0.19	1.51e-04	-0.08	0.0
		0.0	-0.08	0.0	0.0	40.0	0.43	0.10	0.19	1.51e-04	-1.84e-03	0.06
354	79	0.10	1.27e-03	-5.50e-05	-0.13	0.0	0.85	0.30	0.21	1.49e-04	-0.08	0.0
		0.0	-0.08	0.0	0.0	40.0	0.85	0.18	0.21	1.49e-04	1.27e-03	0.10
354	85	0.09	2.07e-03	-5.25e-05	-0.13	0.0	1.08	0.29	0.16	1.49e-04	-0.06	0.0
		0.0	-0.06	0.0	0.0	40.0	1.08	0.17	0.16	1.49e-04	2.07e-03	0.09
354	86	0.06	2.09e-03	-5.03e-05	-0.13	0.0	1.02	0.22	0.16	1.56e-04	-0.06	0.0
		0.0	-0.06	0.0	0.0	40.0	1.02	0.10	0.16	1.56e-04	2.09e-03	0.06
354	98	0.09	7.50e-04	-5.39e-05	-0.13	0.0	0.74	0.30	0.19	1.53e-04	-0.08	0.0

		0.0	-0.08	0.0	0.0	40.0	0.74	0.17	0.19	1.53e-04	7.50e-04	0.09
354	103	0.09	2.66e-04	-5.36e-05	-0.13	0.0	0.71	0.29	0.18	1.51e-04	-0.07	0.0
		0.0	-0.07	0.0	0.0	40.0	0.71	0.17	0.18	1.51e-04	2.66e-04	0.09
354	104	0.09	1.23e-03	-5.22e-05	-0.13	0.0	0.88	0.29	0.15	1.53e-04	-0.06	0.0
		0.0	-0.06	0.0	0.0	40.0	0.88	0.16	0.15	1.53e-04	1.23e-03	0.09
354	106	0.09	1.02e-03	-5.21e-05	-0.13	0.0	0.83	0.28	0.15	1.54e-04	-0.06	0.0
		0.0	-0.06	0.0	0.0	40.0	0.83	0.16	0.15	1.54e-04	1.02e-03	0.09
354	107	0.09	7.89e-04	-5.37e-05	-0.13	0.0	0.75	0.29	0.19	1.53e-04	-0.07	0.0
		0.0	-0.07	0.0	0.0	40.0	0.75	0.17	0.19	1.53e-04	7.89e-04	0.09
354	113	0.26	5.01e-03	-8.20e-05	-0.13	0.0	-0.97	0.70	0.15	6.41e-03	-0.05	0.0
		0.0	-0.05	2.09e-04	0.0	40.0	-0.97	0.58	0.15	6.41e-03	5.01e-03	0.26
354	114	0.0	-3.44e-03	-2.53e-05	-0.13	0.0	2.48	-0.11	0.22	-6.10e-03	-0.09	0.0
		-0.07	-0.09	-2.08e-04	0.0	40.0	2.48	-0.24	0.22	-6.10e-03	-3.44e-03	-0.07
354	124	0.08	8.69e-03	-4.19e-05	-0.13	0.0	-2.58	0.26	-0.03	-7.72e-04	8.69e-03	0.0
		0.0	-4.50e-03	4.20e-05	0.0	40.0	-2.58	0.14	-0.03	-7.72e-04	-4.50e-03	0.08
354	127	0.11	6.07e-03	-6.54e-05	-0.13	0.0	4.09	0.33	0.40	1.08e-03	-0.16	0.0
		0.0	-0.16	-4.03e-05	0.0	40.0	4.09	0.20	0.40	1.08e-03	6.07e-03	0.11
354	132	0.03	0.04	-6.66e-05	-0.13	0.0	-1.34	0.15	-0.09	5.35e-03	0.04	0.0
		0.0	9.72e-04	1.11e-04	0.0	40.0	-1.34	0.02	-0.09	5.35e-03	9.72e-04	0.03
354	135	0.15	6.06e-04	-4.08e-05	-0.13	0.0	2.85	0.44	0.46	-5.04e-03	-0.19	0.0
		0.0	-0.19	-1.09e-04	0.0	40.0	2.85	0.32	0.46	-5.04e-03	6.06e-04	0.15
354	145	0.28	5.54e-03	-8.55e-05	-0.13	0.0	-1.18	0.75	0.14	7.19e-03	-0.05	0.0
		0.0	-0.05	2.36e-04	0.0	40.0	-1.18	0.63	0.14	7.19e-03	5.54e-03	0.28
354	146	0.0	-3.97e-03	-2.18e-05	-0.13	0.0	2.69	-0.16	0.23	-6.89e-03	-0.10	0.0
		-0.09	-0.10	-2.34e-04	0.0	40.0	2.69	-0.29	0.23	-6.89e-03	-3.97e-03	-0.09
354	156	0.08	0.02	-4.04e-05	-0.13	0.0	-2.99	0.26	-0.06	-8.94e-04	0.02	0.0
		0.0	-5.16e-03	4.69e-05	0.0	40.0	-2.99	0.13	-0.06	-8.94e-04	-5.16e-03	0.08
354	159	0.11	6.74e-03	-6.69e-05	-0.13	0.0	4.50	0.33	0.43	1.20e-03	-0.17	0.0
		0.0	-0.17	-4.52e-05	0.0	40.0	4.50	0.20	0.43	1.20e-03	6.74e-03	0.11
354	164	0.03	0.05	-6.82e-05	-0.13	0.0	-1.60	0.13	-0.13	6.01e-03	0.05	0.0
		0.0	9.99e-04	1.25e-04	0.0	40.0	-1.60	1.61e-03	-0.13	6.01e-03	9.99e-04	0.03
354	167	0.16	5.78e-04	-3.91e-05	-0.13	0.0	3.11	0.46	0.50	-5.70e-03	-0.20	0.0
		0.0	-0.20	-1.24e-04	0.0	40.0	3.11	0.34	0.50	-5.70e-03	5.78e-04	0.16
354	177	0.27	5.46e-03	-8.37e-05	-0.13	0.0	-1.09	0.73	0.14	7.01e-03	-0.05	0.0
		0.0	-0.05	2.30e-04	0.0	40.0	-1.09	0.60	0.14	7.01e-03	5.46e-03	0.27
354	178	0.0	-3.89e-03	-2.37e-05	-0.13	0.0	2.60	-0.14	0.23	-6.70e-03	-0.10	0.0
		-0.08	-0.10	-2.29e-04	0.0	40.0	2.60	-0.26	0.23	-6.70e-03	-3.89e-03	-0.08
354	188	0.08	0.02	-3.96e-05	-0.13	0.0	-2.91	0.26	-0.05	-9.17e-04	0.02	0.0
		0.0	-5.11e-03	4.21e-05	0.0	40.0	-2.91	0.14	-0.05	-9.17e-04	-5.11e-03	0.08
354	191	0.10	6.69e-03	-6.77e-05	-0.13	0.0	4.42	0.32	0.42	1.22e-03	-0.16	0.0
		0.0	-0.16	-4.04e-05	0.0	40.0	4.42	0.20	0.42	1.22e-03	6.69e-03	0.10
354	196	0.03	0.05	-6.84e-05	-0.13	0.0	-1.47	0.13	-0.12	5.92e-03	0.05	0.0
		0.0	1.06e-03	1.27e-04	0.0	40.0	-1.47	1.85e-03	-0.12	5.92e-03	1.06e-03	0.03
354	199	0.16	5.21e-04	-3.90e-05	-0.13	0.0	2.98	0.46	0.49	-5.61e-03	-0.20	0.0
		0.0	-0.20	-1.25e-04	0.0	40.0	2.98	0.34	0.49	-5.61e-03	5.21e-04	0.16
354	209	0.29	6.25e-03	-8.79e-05	-0.13	0.0	-1.36	0.79	0.13	8.11e-03	-0.05	0.0
		0.0	-0.05	2.68e-04	0.0	40.0	-1.36	0.66	0.13	8.11e-03	6.25e-03	0.29
354	210	0.0	-4.67e-03	-1.94e-05	-0.13	0.0	2.87	-0.20	0.24	-7.80e-03	-0.10	0.0
		-0.10	-0.10	-2.66e-04	0.0	40.0	2.87	-0.32	0.24	-7.80e-03	-4.67e-03	-0.10
354	220	0.08	0.03	-3.68e-05	-0.13	0.0	-3.49	0.26	-0.09	-1.14e-03	0.03	0.0
		0.0	-6.09e-03	4.70e-05	0.0	40.0	-3.49	0.13	-0.09	-1.14e-03	-6.09e-03	0.08
354	223	0.11	7.67e-03	-7.05e-05	-0.13	0.0	5.00	0.33	0.46	1.45e-03	-0.18	0.0
		0.0	-0.18	-4.52e-05	0.0	40.0	5.00	0.20	0.46	1.45e-03	7.67e-03	0.11
354	228	0.02	0.07	-7.10e-05	-0.13	0.0	-1.80	0.10	-0.18	6.91e-03	0.07	0.0
		0.0	1.12e-03	1.51e-04	0.0	40.0	-1.80	-0.03	-0.18	6.91e-03	1.12e-03	0.01
354	231	0.17	4.56e-04	-3.63e-05	-0.13	0.0	3.31	0.49	0.55	-6.60e-03	-0.22	0.0
		0.0	-0.22	-1.49e-04	0.0	40.0	3.31	0.36	0.55	-6.60e-03	4.56e-04	0.17
355	3	0.33	1.29e-03	-7.20e-05	-0.16	0.0	-0.41	0.62	7.25e-03	1.90e-04	-1.61e-03	0.12
		0.12	-1.61e-03	2.24e-06	0.0	40.0	-0.41	0.46	7.25e-03	1.90e-04	1.29e-03	0.33
355	12	0.19	-1.27e-03	-4.97e-05	-0.13	0.0	-0.30	0.52	-0.01	1.67e-04	-1.27e-03	8.05e-03
		8.05e-03	-6.45e-03	1.55e-06	0.0	40.0	-0.30	0.40	-0.01	1.67e-04	-6.45e-03	0.19
355	18	0.30	-2.98e-03	-6.94e-05	-0.16	0.0	-0.55	0.66	-0.02	1.96e-04	-2.98e-03	0.07
		0.07	-0.01	1.93e-06	0.0	40.0	-0.55	0.49	-0.02	1.96e-04	-0.01	0.30
355	19	0.24	-2.89e-03	-5.19e-05	-0.13	0.0	-0.29	0.45	-0.04	1.39e-04	-2.89e-03	0.09
		0.09	-0.02	0.0	0.0	40.0	-0.29	0.32	-0.04	1.39e-04	-0.02	0.24
355	44	0.30	0.03	-7.03e-05	-0.16	0.0	0.15	0.63	0.07	2.02e-04	2.52e-03	0.08
		0.08	2.52e-03	2.84e-06	0.0	40.0	0.15	0.47	0.07	2.02e-04	0.03	0.30
355	45	0.24	0.02	-5.29e-05	-0.13	0.0	0.41	0.43	0.05	1.45e-04	2.61e-03	0.10
		0.10	2.61e-03	1.55e-06	0.0	40.0	0.41	0.30	0.05	1.45e-04	0.02	0.24
355	67	0.26	1.83e-03	-5.50e-05	-0.13	0.0	-0.25	0.47	6.91e-03	1.47e-04	-9.32e-04	0.09
		0.09	-9.32e-04	1.69e-06	0.0	40.0	-0.25	0.34	6.91e-03	1.47e-04	1.83e-03	0.26
355	69	0.21	-5.13e-04	-5.07e-05	-0.13	0.0	-0.20	0.50	-1.52e-03	1.63e-04	-5.13e-04	0.03
		0.03	-1.12e-03	1.62e-06	0.0	40.0	-0.20	0.37	-1.52e-03	1.63e-04	-1.12e-03	0.21
355	72	0.24	-1.59e-03	-5.22e-05	-0.13	0.0	-0.19	0.45	-0.02	1.45e-04	-1.59e-03	0.09
		0.09	-8.55e-03	1.01e-06	0.0	40.0	-0.19	0.32	-0.02	1.45e-04	-8.55e-03	0.24

355	75	0.24	-1.84e-03	-5.32e-05	-0.13	0.0	-0.35	0.49	-0.01	1.51e-04	-1.84e-03	0.06
		0.06	-5.94e-03	1.48e-06	0.0	40.0	-0.35	0.37	-0.01	1.51e-04	-5.94e-03	0.24
355	85	0.24	0.02	-5.28e-05	-0.13	0.0	0.27	0.44	0.04	1.49e-04	2.07e-03	0.09
		0.09	2.07e-03	1.62e-06	0.0	40.0	0.27	0.31	0.04	1.49e-04	0.02	0.24
355	88	0.23	0.02	-5.38e-05	-0.13	0.0	0.12	0.48	0.05	1.55e-04	1.82e-03	0.07
		0.07	1.82e-03	2.08e-06	0.0	40.0	0.12	0.35	0.05	1.55e-04	0.02	0.23
355	98	0.25	0.01	-5.44e-05	-0.13	0.0	-0.07	0.46	0.03	1.53e-04	7.50e-04	0.09
		0.09	7.50e-04	1.95e-06	0.0	40.0	-0.07	0.33	0.03	1.53e-04	0.01	0.25
355	99	0.23	8.98e-03	-5.22e-05	-0.13	0.0	0.01	0.45	0.02	1.57e-04	1.03e-03	0.08
		0.08	1.03e-03	1.73e-06	0.0	40.0	0.01	0.33	0.02	1.57e-04	8.98e-03	0.23
355	103	0.25	7.45e-03	-5.40e-05	-0.13	0.0	-0.10	0.46	0.02	1.51e-04	2.66e-04	0.09
		0.09	2.66e-04	1.78e-06	0.0	40.0	-0.10	0.33	0.02	1.51e-04	7.45e-03	0.25
355	104	0.24	0.01	-5.26e-05	-0.13	0.0	0.08	0.44	0.02	1.53e-04	1.23e-03	0.09
		0.09	1.23e-03	1.65e-06	0.0	40.0	0.08	0.31	0.02	1.53e-04	0.01	0.24
355	105	0.25	0.01	-5.42e-05	-0.13	0.0	-9.18e-03	0.45	0.03	1.52e-04	9.99e-04	0.09
		0.09	9.99e-04	1.90e-06	0.0	40.0	-9.18e-03	0.33	0.03	1.52e-04	0.01	0.25
355	106	0.24	8.89e-03	-5.25e-05	-0.13	0.0	0.03	0.44	0.02	1.54e-04	1.02e-03	0.09
		0.09	1.02e-03	1.66e-06	0.0	40.0	0.03	0.32	0.02	1.54e-04	8.89e-03	0.24
355	107	0.25	0.01	-5.41e-05	-0.13	0.0	-0.06	0.46	0.03	1.53e-04	7.89e-04	0.09
		0.09	7.89e-04	1.91e-06	0.0	40.0	-0.06	0.33	0.03	1.53e-04	0.01	0.25
355	113	0.38	0.02	-7.85e-05	-0.13	0.0	-1.22	0.36	0.03	6.41e-03	5.01e-03	0.26
		0.26	5.01e-03	2.11e-04	0.0	40.0	-1.22	0.23	0.03	6.41e-03	0.02	0.38
355	114	0.12	6.85e-03	-2.97e-05	-0.13	0.0	1.11	0.55	0.02	-6.10e-03	-3.44e-03	-0.07
		-0.07	-3.44e-03	-2.07e-04	0.0	40.0	1.11	0.43	0.02	-6.10e-03	6.85e-03	0.12
355	124	0.32	-4.50e-03	-4.02e-05	-0.13	0.0	-2.81	0.47	-0.03	-7.72e-04	-4.50e-03	0.08
		0.08	-0.02	4.09e-05	0.0	40.0	-2.81	0.35	-0.03	-7.72e-04	-0.02	0.32
355	127	0.18	0.04	-6.80e-05	-0.13	0.0	2.69	0.44	0.08	1.08e-03	6.07e-03	0.11
		0.11	6.07e-03	-3.70e-05	0.0	40.0	2.69	0.31	0.08	1.08e-03	0.04	0.18
355	145	0.39	0.02	-8.15e-05	-0.13	0.0	-1.37	0.35	0.03	7.19e-03	5.54e-03	0.28
		0.28	5.54e-03	2.37e-04	0.0	40.0	-1.37	0.22	0.03	7.19e-03	0.02	0.39
355	146	0.11	6.35e-03	-2.67e-05	-0.13	0.0	1.25	0.56	0.02	-6.89e-03	-3.97e-03	-0.09
		-0.09	-3.97e-03	-2.33e-04	0.0	40.0	1.25	0.44	0.02	-6.89e-03	6.35e-03	0.11
355	156	0.33	-5.16e-03	-3.85e-05	-0.13	0.0	-3.15	0.47	-0.03	-8.94e-04	-5.16e-03	0.08
		0.08	-0.02	4.55e-05	0.0	40.0	-3.15	0.35	-0.03	-8.94e-04	-0.02	0.33
355	159	0.17	0.04	-6.98e-05	-0.13	0.0	3.03	0.44	0.09	1.20e-03	6.74e-03	0.11
		0.11	6.74e-03	-4.16e-05	0.0	40.0	3.03	0.31	0.09	1.20e-03	0.04	0.17
355	177	0.38	0.02	-7.97e-05	-0.13	0.0	-1.30	0.35	0.03	7.01e-03	5.46e-03	0.27
		0.27	5.46e-03	2.32e-04	0.0	40.0	-1.30	0.23	0.03	7.01e-03	0.02	0.38
355	178	0.12	6.47e-03	-2.85e-05	-0.13	0.0	1.18	0.56	0.02	-6.70e-03	-3.89e-03	-0.08
		-0.08	-3.89e-03	-2.28e-04	0.0	40.0	1.18	0.43	0.02	-6.70e-03	6.47e-03	0.12
355	188	0.33	-5.11e-03	-3.76e-05	-0.13	0.0	-3.08	0.47	-0.03	-9.17e-04	-5.11e-03	0.08
		0.08	-0.02	4.07e-05	0.0	40.0	-3.08	0.35	-0.03	-9.17e-04	-0.02	0.33
355	191	0.17	0.04	-7.06e-05	-0.13	0.0	2.97	0.44	0.08	1.22e-03	6.69e-03	0.10
		0.10	6.69e-03	-3.69e-05	0.0	40.0	2.97	0.31	0.08	1.22e-03	0.04	0.17
355	200	0.19	-1.58e-03	-7.47e-05	-0.13	0.0	-1.78	0.50	-0.05	6.12e-03	-1.58e-03	0.01
		0.01	-0.02	1.32e-04	0.0	40.0	-1.78	0.37	-0.05	6.12e-03	-0.02	0.19
355	203	0.31	0.04	-3.35e-05	-0.13	0.0	1.67	0.41	0.10	-5.81e-03	3.16e-03	0.17
		0.17	3.16e-03	-1.28e-04	0.0	40.0	1.67	0.29	0.10	-5.81e-03	0.04	0.31
355	209	0.40	0.02	-8.32e-05	-0.13	0.0	-1.47	0.34	0.03	8.11e-03	6.25e-03	0.29
		0.29	6.25e-03	2.69e-04	0.0	40.0	-1.47	0.21	0.03	8.11e-03	0.02	0.40
355	210	0.10	5.79e-03	-2.50e-05	-0.13	0.0	1.36	0.57	0.02	-7.80e-03	-4.67e-03	-0.10
		-0.10	-4.67e-03	-2.65e-04	0.0	40.0	1.36	0.45	0.02	-7.80e-03	5.79e-03	0.10
355	220	0.34	-6.09e-03	-3.44e-05	-0.13	0.0	-3.56	0.47	-0.04	-1.14e-03	-6.09e-03	0.08
		0.08	-0.02	4.51e-05	0.0	40.0	-3.56	0.35	-0.04	-1.14e-03	-0.02	0.34
355	223	0.16	0.04	-7.38e-05	-0.13	0.0	3.45	0.44	0.09	1.45e-03	7.67e-03	0.11
		0.11	7.67e-03	-4.13e-05	0.0	40.0	3.45	0.31	0.09	1.45e-03	0.04	0.16
355	232	0.18	-1.92e-03	-7.87e-05	-0.13	0.0	-2.03	0.51	-0.06	7.23e-03	-1.92e-03	8.41e-04
		8.41e-04	-0.02	1.59e-04	0.0	40.0	-2.03	0.38	-0.06	7.23e-03	-0.02	0.18
355	235	0.32	0.04	-2.95e-05	-0.13	0.0	1.92	0.40	0.11	-6.92e-03	3.50e-03	0.18
		0.18	3.50e-03	-1.55e-04	0.0	40.0	1.92	0.28	0.11	-6.92e-03	0.04	0.32
356	3	0.49	1.29e-03	-6.58e-05	-0.16	0.0	-0.99	0.46	-0.26	1.90e-04	1.29e-03	0.33
		0.33	-0.10	3.94e-06	0.0	40.0	-0.99	0.30	-0.26	1.90e-04	-0.10	0.49
356	18	0.47	-0.01	-6.35e-05	-0.16	0.0	-1.11	0.49	-0.41	1.96e-04	-0.01	0.30
		0.30	-0.17	3.49e-06	0.0	40.0	-1.11	0.33	-0.41	1.96e-04	-0.17	0.47
356	19	0.36	-0.02	-4.75e-05	-0.13	0.0	-0.71	0.34	-0.39	1.39e-04	-0.02	0.24
		0.24	-0.18	1.87e-06	0.0	40.0	-0.71	0.22	-0.39	1.39e-04	-0.18	0.36
356	36	0.32	0.06	-4.64e-05	-0.13	0.0	-0.29	0.39	0.10	1.70e-04	0.06	0.19
		0.19	0.02	3.15e-06	0.0	40.0	-0.29	0.26	0.10	1.70e-04	0.02	0.32
356	44	0.46	0.09	-6.46e-05	-0.16	0.0	-0.43	0.48	0.16	2.02e-04	0.03	0.30
		0.30	0.03	4.64e-06	0.0	40.0	-0.43	0.31	0.16	2.02e-04	0.09	0.46
356	45	0.35	0.09	-4.86e-05	-0.13	0.0	-0.03	0.33	0.17	1.45e-04	0.02	0.24
		0.24	0.02	2.57e-06	0.0	40.0	-0.03	0.20	0.17	1.45e-04	0.09	0.35
356	67	0.37	1.83e-03	-5.02e-05	-0.13	0.0	-0.70	0.35	-0.17	1.47e-04	1.83e-03	0.26
		0.26	-0.07	2.92e-06	0.0	40.0	-0.70	0.23	-0.17	1.47e-04	-0.07	0.37
356	72	0.35	-8.55e-03	-4.78e-05	-0.13	0.0	-0.62	0.34	-0.27	1.45e-04	-8.55e-03	0.24

		0.24	-0.12	1.94e-06	0.0	40.0	-0.62	0.22	-0.27	1.45e-04	-0.12	0.35
356	75	0.36	-5.94e-03	-4.87e-05	-0.13	0.0	-0.78	0.37	-0.27	1.51e-04	-5.94e-03	0.24
		0.24	-0.12	2.59e-06	0.0	40.0	-0.78	0.24	-0.27	1.51e-04	-0.12	0.36
356	81	0.33	0.04	-4.71e-05	-0.13	0.0	-0.34	0.38	0.06	1.66e-04	0.01	0.21
		0.21	0.01	3.02e-06	0.0	40.0	-0.34	0.25	0.06	1.66e-04	0.04	0.33
356	85	0.35	0.06	-4.85e-05	-0.13	0.0	-0.17	0.33	0.11	1.49e-04	0.02	0.24
		0.24	0.02	2.64e-06	0.0	40.0	-0.17	0.21	0.11	1.49e-04	0.06	0.35
356	88	0.35	0.06	-4.95e-05	-0.13	0.0	-0.33	0.36	0.11	1.55e-04	0.02	0.23
		0.23	0.02	3.39e-06	0.0	40.0	-0.33	0.24	0.11	1.55e-04	0.06	0.35
356	98	0.36	0.01	-4.98e-05	-0.13	0.0	-0.52	0.35	-0.02	1.53e-04	0.01	0.25
		0.25	3.40e-03	3.16e-06	0.0	40.0	-0.52	0.22	-0.02	1.53e-04	3.40e-03	0.36
356	99	0.35	8.98e-03	-4.79e-05	-0.13	0.0	-0.41	0.35	-0.02	1.57e-04	8.98e-03	0.23
		0.23	2.60e-03	2.69e-06	0.0	40.0	-0.41	0.22	-0.02	1.57e-04	2.60e-03	0.35
356	102	0.35	5.40e-03	-4.81e-05	-0.13	0.0	-0.44	0.34	-0.07	1.53e-04	5.40e-03	0.24
		0.24	-0.02	2.45e-06	0.0	40.0	-0.44	0.21	-0.07	1.53e-04	-0.02	0.35
356	103	0.36	7.45e-03	-4.95e-05	-0.13	0.0	-0.54	0.35	-0.07	1.51e-04	7.45e-03	0.25
		0.25	-0.02	2.92e-06	0.0	40.0	-0.54	0.22	-0.07	1.51e-04	-0.02	0.36
356	104	0.35	0.01	-4.83e-05	-0.13	0.0	-0.35	0.34	9.45e-03	1.53e-04	0.01	0.24
		0.24	0.01	2.61e-06	0.0	40.0	-0.35	0.21	9.45e-03	1.53e-04	0.01	0.35
356	105	0.36	0.02	-4.96e-05	-0.13	0.0	-0.45	0.34	6.14e-03	1.52e-04	0.01	0.25
		0.25	0.01	3.09e-06	0.0	40.0	-0.45	0.22	6.14e-03	1.52e-04	0.02	0.36
356	106	0.35	8.89e-03	-4.82e-05	-0.13	0.0	-0.40	0.34	-0.02	1.54e-04	8.89e-03	0.24
		0.24	2.57e-03	2.61e-06	0.0	40.0	-0.40	0.21	-0.02	1.54e-04	2.57e-03	0.35
356	107	0.36	0.01	-4.96e-05	-0.13	0.0	-0.50	0.34	-0.02	1.53e-04	0.01	0.25
		0.25	3.28e-03	3.08e-06	0.0	40.0	-0.50	0.22	-0.02	1.53e-04	3.28e-03	0.36
356	113	0.44	0.02	-6.91e-05	-0.13	0.0	-1.25	0.22	0.06	6.41e-03	0.02	0.38
		0.38	0.02	2.12e-04	0.0	40.0	-1.25	0.10	0.06	6.41e-03	0.02	0.44
356	114	0.28	6.85e-03	-3.00e-05	-0.13	0.0	0.25	0.47	-0.10	-6.10e-03	6.85e-03	0.12
		0.12	-0.02	-2.06e-04	0.0	40.0	0.25	0.34	-0.10	-6.10e-03	-0.02	0.28
356	124	0.41	-0.02	-3.36e-05	-0.13	0.0	-2.81	0.38	-0.19	-7.72e-04	-0.02	0.32
		0.32	-0.09	3.98e-05	0.0	40.0	-2.81	0.25	-0.19	-7.72e-04	-0.09	0.41
356	127	0.31	0.10	-6.56e-05	-0.13	0.0	1.81	0.31	0.15	1.08e-03	0.04	0.18
		0.18	0.04	-3.36e-05	0.0	40.0	1.81	0.19	0.15	1.08e-03	0.10	0.31
356	132	0.32	-0.02	-6.48e-05	-0.13	0.0	-2.10	0.37	-0.20	5.35e-03	-0.02	0.20
		0.20	-0.10	1.09e-04	0.0	40.0	-2.10	0.24	-0.20	5.35e-03	-0.10	0.32
356	135	0.40	0.11	-3.43e-05	-0.13	0.0	1.10	0.32	0.17	-5.04e-03	0.04	0.30
		0.30	0.04	-1.03e-04	0.0	40.0	1.10	0.19	0.17	-5.04e-03	0.11	0.40
356	145	0.45	0.03	-7.15e-05	-0.13	0.0	-1.34	0.21	0.07	7.19e-03	0.02	0.39
		0.39	0.02	2.38e-04	0.0	40.0	-1.34	0.08	0.07	7.19e-03	0.03	0.45
356	146	0.27	6.35e-03	-2.76e-05	-0.13	0.0	0.34	0.48	-0.11	-6.89e-03	6.35e-03	0.11
		0.11	-0.02	-2.32e-04	0.0	40.0	0.34	0.36	-0.11	-6.89e-03	-0.02	0.27
356	156	0.42	-0.02	-3.15e-05	-0.13	0.0	-3.10	0.38	-0.21	-8.94e-04	-0.02	0.33
		0.33	-0.11	4.41e-05	0.0	40.0	-3.10	0.25	-0.21	-8.94e-04	-0.11	0.42
356	159	0.31	0.11	-6.76e-05	-0.13	0.0	2.10	0.31	0.17	1.20e-03	0.04	0.17
		0.17	0.04	-3.79e-05	0.0	40.0	2.10	0.18	0.17	1.20e-03	0.11	0.31
356	164	0.32	-0.02	-6.68e-05	-0.13	0.0	-2.30	0.37	-0.23	6.01e-03	-0.02	0.20
		0.20	-0.11	1.23e-04	0.0	40.0	-2.30	0.25	-0.23	6.01e-03	-0.11	0.32
356	167	0.41	0.12	-3.24e-05	-0.13	0.0	1.30	0.32	0.19	-5.70e-03	0.04	0.30
		0.30	0.04	-1.17e-04	0.0	40.0	1.30	0.19	0.19	-5.70e-03	0.12	0.41
356	177	0.45	0.03	-7.03e-05	-0.13	0.0	-1.29	0.21	0.07	7.01e-03	0.02	0.38
		0.38	0.02	2.33e-04	0.0	40.0	-1.29	0.09	0.07	7.01e-03	0.03	0.45
356	178	0.28	6.47e-03	-2.88e-05	-0.13	0.0	0.29	0.47	-0.10	-6.70e-03	6.47e-03	0.12
		0.12	-0.02	-2.27e-04	0.0	40.0	0.29	0.35	-0.10	-6.70e-03	-0.02	0.28
356	188	0.41	-0.02	-3.09e-05	-0.13	0.0	-3.04	0.38	-0.20	-9.17e-04	-0.02	0.33
		0.33	-0.10	3.94e-05	0.0	40.0	-3.04	0.25	-0.20	-9.17e-04	-0.10	0.41
356	191	0.31	0.11	-6.83e-05	-0.13	0.0	2.05	0.31	0.16	1.22e-03	0.04	0.17
		0.17	0.04	-3.32e-05	0.0	40.0	2.05	0.18	0.16	1.22e-03	0.11	0.31
356	196	0.32	-0.02	-6.71e-05	-0.13	0.0	-2.22	0.37	-0.22	5.92e-03	-0.02	0.20
		0.20	-0.11	1.25e-04	0.0	40.0	-2.22	0.25	-0.22	5.92e-03	-0.11	0.32
356	199	0.41	0.12	-3.20e-05	-0.13	0.0	1.22	0.32	0.19	-5.61e-03	0.04	0.30
		0.30	0.04	-1.19e-04	0.0	40.0	1.22	0.19	0.19	-5.61e-03	0.12	0.41
356	210	0.27	5.79e-03	-2.58e-05	-0.13	0.0	0.40	0.49	-0.12	-7.80e-03	5.79e-03	0.10
		0.10	-0.02	-2.65e-04	0.0	40.0	0.40	0.37	-0.12	-7.80e-03	-0.02	0.27
356	220	0.42	-0.02	-2.74e-05	-0.13	0.0	-3.45	0.39	-0.23	-1.14e-03	-0.02	0.34
		0.34	-0.12	4.34e-05	0.0	40.0	-3.45	0.26	-0.23	-1.14e-03	-0.12	0.42
356	223	0.31	0.13	-7.18e-05	-0.13	0.0	2.45	0.30	0.19	1.45e-03	0.04	0.16
		0.16	0.04	-3.72e-05	0.0	40.0	2.45	0.18	0.19	1.45e-03	0.13	0.31
356	228	0.31	-0.02	-7.03e-05	-0.13	0.0	-2.47	0.38	-0.26	6.91e-03	-0.02	0.19
		0.19	-0.13	1.48e-04	0.0	40.0	-2.47	0.25	-0.26	6.91e-03	-0.13	0.31
356	229	0.46	0.13	-4.53e-05	-0.13	0.0	0.66	0.24	0.23	-1.11e-03	0.04	0.39
		0.39	0.04	2.98e-05	0.0	40.0	0.66	0.11	0.23	-1.11e-03	0.13	0.46
356	231	0.41	0.14	-2.88e-05	-0.13	0.0	1.48	0.31	0.22	-6.60e-03	0.04	0.31
		0.31	0.04	-1.41e-04	0.0	40.0	1.48	0.19	0.22	-6.60e-03	0.14	0.41
357	3	0.63	0.03	-8.38e-05	-0.24	0.0	-0.71	0.36	0.22	1.86e-04	-0.10	0.49
		0.49	-0.10	-1.18e-05	0.0	60.0	-0.71	0.12	0.22	1.86e-04	0.03	0.63

357	18	0.62	0.05	-8.07e-05	-0.24	0.0	-0.86	0.38	0.38	1.92e-04	-0.17	0.47
		0.47	-0.17	-2.48e-05	0.0	60.0	-0.86	0.13	0.38	1.92e-04	0.05	0.62
357	19	0.47	0.05	-6.04e-05	-0.19	0.0	-0.39	0.28	0.38	1.36e-04	-0.18	0.36
		0.36	-0.18	-2.82e-05	0.0	60.0	-0.39	0.09	0.38	1.36e-04	0.05	0.47
357	36	0.45	0.06	-5.93e-05	-0.19	0.0	0.13	0.30	-0.11	1.68e-04	0.06	0.32
		0.32	-0.01	1.41e-05	0.0	60.0	0.13	0.12	-0.11	1.68e-04	-0.01	0.45
357	44	0.61	0.09	-8.27e-05	-0.24	0.0	0.01	0.38	-0.19	1.98e-04	0.09	0.46
		0.46	-0.02	2.27e-05	0.0	60.0	0.01	0.13	-0.19	1.98e-04	-0.02	0.61
357	45	0.46	0.09	-6.24e-05	-0.19	0.0	0.48	0.28	-0.19	1.42e-04	0.09	0.35
		0.35	-0.02	1.93e-05	0.0	60.0	0.48	0.09	-0.19	1.42e-04	-0.02	0.46
357	67	0.48	0.02	-6.40e-05	-0.19	0.0	-0.44	0.28	0.15	1.44e-04	-0.07	0.37
		0.37	-0.07	-7.42e-06	0.0	60.0	-0.44	0.09	0.15	1.44e-04	0.02	0.48
357	72	0.46	0.03	-6.09e-05	-0.19	0.0	-0.27	0.28	0.25	1.42e-04	-0.12	0.35
		0.35	-0.12	-1.73e-05	0.0	60.0	-0.27	0.09	0.25	1.42e-04	0.03	0.46
357	75	0.47	0.04	-6.19e-05	-0.19	0.0	-0.54	0.29	0.25	1.48e-04	-0.12	0.36
		0.36	-0.12	-1.61e-05	0.0	60.0	-0.54	0.10	0.25	1.48e-04	0.04	0.47
357	81	0.45	0.04	-6.01e-05	-0.19	0.0	0.08	0.30	-0.08	1.63e-04	0.04	0.33
		0.33	-7.82e-03	1.09e-05	0.0	60.0	0.08	0.11	-0.08	1.63e-04	-7.82e-03	0.45
357	85	0.46	0.06	-6.22e-05	-0.19	0.0	0.31	0.28	-0.13	1.46e-04	0.06	0.35
		0.35	-0.01	1.44e-05	0.0	60.0	0.31	0.09	-0.13	1.46e-04	-0.01	0.46
357	88	0.47	0.06	-6.33e-05	-0.19	0.0	0.04	0.29	-0.13	1.52e-04	0.06	0.35
		0.35	-0.01	1.56e-05	0.0	60.0	0.04	0.10	-0.13	1.52e-04	-0.01	0.47
357	98	0.47	3.40e-03	-6.36e-05	-0.19	0.0	-0.17	0.28	-1.54e-03	1.50e-04	3.40e-03	0.36
		0.36	2.48e-03	5.09e-06	0.0	60.0	-0.17	0.09	-1.54e-03	1.50e-04	2.48e-03	0.47
357	99	0.46	2.60e-03	-6.13e-05	-0.19	0.0	0.02	0.28	-1.03e-03	1.55e-04	2.60e-03	0.35
		0.35	1.98e-03	4.29e-06	0.0	60.0	0.02	0.09	-1.03e-03	1.55e-04	1.98e-03	0.46
357	102	0.46	8.55e-03	-6.15e-05	-0.19	0.0	-0.02	0.28	0.05	1.50e-04	-0.02	0.35
		0.35	-0.02	0.0	0.0	60.0	-0.02	0.09	0.05	1.50e-04	8.55e-03	0.46
357	103	0.47	8.99e-03	-6.32e-05	-0.19	0.0	-0.20	0.28	0.05	1.48e-04	-0.02	0.36
		0.36	-0.02	0.0	0.0	60.0	-0.20	0.09	0.05	1.48e-04	8.99e-03	0.47
357	104	0.46	0.01	-6.18e-05	-0.19	0.0	0.10	0.28	-0.03	1.50e-04	0.01	0.35
		0.35	-1.33e-03	6.20e-06	0.0	60.0	0.10	0.09	-0.03	1.50e-04	-1.33e-03	0.46
357	105	0.47	0.02	-6.35e-05	-0.19	0.0	-0.08	0.28	-0.03	1.49e-04	0.02	0.36
		0.36	-8.88e-04	6.99e-06	0.0	60.0	-0.08	0.09	-0.03	1.49e-04	-8.88e-04	0.47
357	106	0.46	2.57e-03	-6.17e-05	-0.19	0.0	0.05	0.28	-1.01e-03	1.52e-04	2.57e-03	0.35
		0.35	1.96e-03	4.17e-06	0.0	60.0	0.05	0.09	-1.01e-03	1.52e-04	1.96e-03	0.46
357	107	0.47	3.28e-03	-6.34e-05	-0.19	0.0	-0.14	0.28	-1.46e-03	1.50e-04	3.28e-03	0.36
		0.36	2.41e-03	4.95e-06	0.0	60.0	-0.14	0.09	-1.46e-03	1.50e-04	2.41e-03	0.47
357	114	0.52	0.02	-4.73e-05	-0.19	0.0	1.78	0.46	0.04	-6.11e-03	-0.02	0.28
		0.28	-0.02	-3.12e-04	0.0	60.0	1.78	0.28	0.04	-6.11e-03	0.02	0.52
357	124	0.42	0.03	-3.48e-05	-0.19	0.0	-3.55	0.13	0.22	-7.75e-04	-0.09	0.41
		0.40	-0.09	4.22e-05	0.0	60.0	-3.55	-0.06	0.22	-7.75e-04	0.03	0.40
357	127	0.55	0.10	-9.20e-05	-0.19	0.0	3.28	0.43	-0.22	1.08e-03	0.10	0.31
		0.31	-0.03	-3.23e-05	0.0	60.0	3.28	0.24	-0.22	1.08e-03	-0.03	0.55
357	132	0.49	0.04	-8.34e-05	-0.19	0.0	-1.85	0.31	0.24	5.34e-03	-0.10	0.32
		0.32	-0.10	1.45e-04	0.0	60.0	-1.85	0.12	0.24	5.34e-03	0.04	0.49
357	135	0.46	0.11	-4.33e-05	-0.19	0.0	1.58	0.25	-0.24	-5.04e-03	0.11	0.40
		0.40	-0.03	-1.35e-04	0.0	60.0	1.58	0.06	-0.24	-5.04e-03	-0.03	0.46
357	146	0.53	0.02	-4.52e-05	-0.19	0.0	2.02	0.49	0.05	-6.89e-03	-0.02	0.27
		0.27	-0.02	-3.52e-04	0.0	60.0	2.02	0.30	0.05	-6.89e-03	0.02	0.53
357	156	0.42	0.04	-3.12e-05	-0.19	0.0	-3.97	0.11	0.24	-8.97e-04	-0.11	0.42
		0.39	-0.11	4.65e-05	0.0	60.0	-3.97	-0.08	0.24	-8.97e-04	0.04	0.39
357	159	0.56	0.11	-9.56e-05	-0.19	0.0	3.70	0.45	-0.25	1.20e-03	0.11	0.31
		0.31	-0.03	-3.66e-05	0.0	60.0	3.70	0.26	-0.25	1.20e-03	-0.03	0.56
357	164	0.49	0.04	-8.60e-05	-0.19	0.0	-2.06	0.31	0.27	6.00e-03	-0.11	0.32
		0.32	-0.11	1.64e-04	0.0	60.0	-2.06	0.13	0.27	6.00e-03	0.04	0.49
357	167	0.45	0.12	-4.07e-05	-0.19	0.0	1.79	0.24	-0.27	-5.70e-03	0.12	0.41
		0.41	-0.04	-1.54e-04	0.0	60.0	1.79	0.06	-0.27	-5.70e-03	-0.04	0.45
357	178	0.52	0.02	-4.50e-05	-0.19	0.0	1.89	0.47	0.05	-6.70e-03	-0.02	0.28
		0.28	-0.02	-3.44e-04	0.0	60.0	1.89	0.29	0.05	-6.70e-03	0.02	0.52
357	188	0.42	0.04	-3.09e-05	-0.19	0.0	-3.87	0.12	0.24	-9.20e-04	-0.10	0.41
		0.39	-0.10	3.98e-05	0.0	60.0	-3.87	-0.07	0.24	-9.20e-04	0.04	0.39
357	191	0.55	0.11	-9.59e-05	-0.19	0.0	3.60	0.44	-0.24	1.22e-03	0.11	0.31
		0.31	-0.03	-2.99e-05	0.0	60.0	3.60	0.25	-0.24	1.22e-03	-0.03	0.55
357	196	0.49	0.04	-8.72e-05	-0.19	0.0	-1.88	0.31	0.26	5.91e-03	-0.11	0.32
		0.32	-0.11	1.67e-04	0.0	60.0	-1.88	0.12	0.26	5.91e-03	0.04	0.49
357	199	0.46	0.12	-3.95e-05	-0.19	0.0	1.61	0.25	-0.26	-5.61e-03	0.12	0.41
		0.41	-0.04	-1.57e-04	0.0	60.0	1.61	0.06	-0.26	-5.61e-03	-0.04	0.46
357	220	0.42	0.04	-2.52e-05	-0.19	0.0	-4.46	0.09	0.28	-1.15e-03	-0.12	0.42
		0.38	-0.12	4.26e-05	0.0	60.0	-4.46	-0.10	0.28	-1.15e-03	0.04	0.38
357	223	0.57	0.13	-1.02e-04	-0.19	0.0	4.19	0.47	-0.28	1.45e-03	0.13	0.31
		0.31	-0.04	-3.26e-05	0.0	60.0	4.19	0.28	-0.28	1.45e-03	-0.04	0.57
357	228	0.49	0.05	-9.20e-05	-0.19	0.0	-2.09	0.32	0.30	6.91e-03	-0.13	0.31
		0.31	-0.13	1.97e-04	0.0	60.0	-2.09	0.13	0.30	6.91e-03	0.05	0.49
357	230	0.52	0.05	-7.53e-05	-0.19	0.0	-0.50	0.43	0.28	1.41e-03	-0.12	0.27

		0.27	-0.12	-5.81e-05	0.0	60.0	-0.50	0.25	0.28	1.41e-03	0.05	0.52
357	231	0.45	0.14	-3.48e-05	-0.19	0.0	1.82	0.24	-0.31	-6.60e-03	0.14	0.41
		0.41	-0.04	-1.88e-04	0.0	60.0	1.82	0.05	-0.31	-6.60e-03	-0.04	0.45
358	12	0.60	-0.08	1.56e-06	-0.09	0.0	-1.18	0.13	0.26	1.68e-04	-0.16	0.58
		0.58	-0.16	3.07e-06	0.0	30.0	-1.18	0.03	0.26	1.68e-04	-0.08	0.60
358	17	0.84	-0.14	0.0	-0.12	0.0	-1.77	0.20	0.43	1.86e-04	-0.27	0.80
		0.80	-0.27	4.46e-06	0.0	30.0	-1.77	0.08	0.43	1.86e-04	-0.14	0.84
358	19	0.61	-0.13	1.69e-06	-0.09	0.0	-1.33	0.07	0.45	1.40e-04	-0.27	0.61
		0.61	-0.27	2.59e-06	0.0	30.0	-1.33	-0.03	0.45	1.40e-04	-0.13	0.61
358	27	0.87	0.09	-1.47e-06	-0.12	0.0	-1.32	0.25	-0.20	1.94e-04	0.09	0.82
		0.82	0.02	5.22e-06	0.0	30.0	-1.32	0.13	-0.20	1.94e-04	0.02	0.87
358	44	0.85	0.14	-1.14e-06	-0.12	0.0	-1.13	0.24	-0.30	2.03e-04	0.14	0.80
		0.80	0.05	4.95e-06	0.0	30.0	-1.13	0.12	-0.30	2.03e-04	0.05	0.85
358	46	0.62	0.14	0.0	-0.09	0.0	-0.69	0.10	-0.27	1.57e-04	0.14	0.61
		0.61	0.06	2.84e-06	0.0	30.0	-0.69	5.27e-03	-0.27	1.57e-04	0.06	0.62
358	69	0.61	-0.06	1.33e-06	-0.09	0.0	-1.14	0.12	0.16	1.64e-04	-0.11	0.59
		0.59	-0.11	3.08e-06	0.0	30.0	-1.14	0.02	0.16	1.64e-04	-0.06	0.61
358	72	0.62	-0.09	1.41e-06	-0.09	0.0	-1.24	0.08	0.29	1.45e-04	-0.18	0.61
		0.61	-0.18	2.61e-06	0.0	30.0	-1.24	-0.02	0.29	1.45e-04	-0.09	0.62
358	74	0.64	-0.09	0.0	-0.09	0.0	-1.31	0.14	0.28	1.44e-04	-0.18	0.62
		0.62	-0.18	3.30e-06	0.0	30.0	-1.31	0.05	0.28	1.44e-04	-0.09	0.64
358	79	0.66	0.06	0.0	-0.09	0.0	-1.01	0.17	-0.14	1.50e-04	0.06	0.63
		0.63	0.02	3.80e-06	0.0	30.0	-1.01	0.08	-0.14	1.50e-04	0.02	0.66
358	86	0.63	0.09	0.0	-0.09	0.0	-0.81	0.10	-0.19	1.57e-04	0.09	0.61
		0.61	0.03	2.93e-06	0.0	30.0	-0.81	3.97e-03	-0.19	1.57e-04	0.03	0.63
358	88	0.65	0.09	0.0	-0.09	0.0	-0.89	0.16	-0.20	1.55e-04	0.09	0.62
		0.62	0.03	3.62e-06	0.0	30.0	-0.89	0.07	-0.20	1.55e-04	0.03	0.65
358	98	0.65	2.80e-03	0.0	-0.09	0.0	-1.11	0.14	-0.04	1.54e-04	2.80e-03	0.62
		0.62	-9.37e-03	3.60e-06	0.0	30.0	-1.11	0.05	-0.04	1.54e-04	-9.37e-03	0.65
358	99	0.62	2.15e-03	1.04e-06	-0.09	0.0	-1.04	0.09	-0.03	1.58e-04	2.15e-03	0.61
		0.61	-7.39e-03	2.98e-06	0.0	30.0	-1.04	-8.85e-03	-0.03	1.58e-04	-7.39e-03	0.62
358	102	0.62	-0.02	1.11e-06	-0.09	0.0	-1.08	0.08	0.03	1.53e-04	-0.03	0.61
		0.61	-0.03	2.84e-06	0.0	30.0	-1.08	-0.02	0.03	1.53e-04	-0.02	0.62
358	103	0.64	-0.03	0.0	-0.09	0.0	-1.14	0.13	0.03	1.52e-04	-0.03	0.62
		0.62	-0.03	3.44e-06	0.0	30.0	-1.14	0.04	0.03	1.52e-04	-0.03	0.64
358	104	0.63	0.02	0.0	-0.09	0.0	-1.00	0.08	-0.06	1.54e-04	0.02	0.62
		0.62	1.16e-03	2.87e-06	0.0	30.0	-1.00	-0.02	-0.06	1.54e-04	1.16e-03	0.63
358	105	0.65	0.02	0.0	-0.09	0.0	-1.06	0.13	-0.07	1.53e-04	0.02	0.62
		0.62	-5.87e-04	3.47e-06	0.0	30.0	-1.06	0.04	-0.07	1.53e-04	-5.87e-04	0.65
358	106	0.62	2.12e-03	1.03e-06	-0.09	0.0	-1.04	0.08	-0.03	1.55e-04	2.12e-03	0.61
		0.61	-7.33e-03	2.90e-06	0.0	30.0	-1.04	-0.02	-0.03	1.55e-04	-7.33e-03	0.62
358	107	0.65	2.71e-03	0.0	-0.09	0.0	-1.10	0.13	-0.04	1.54e-04	2.71e-03	0.62
		0.62	-9.08e-03	3.50e-06	0.0	30.0	-1.10	0.04	-0.04	1.54e-04	-9.08e-03	0.65
358	108	1.12	-0.02	-3.10e-05	-0.09	0.0	-0.10	4.60	0.06	6.40e-03	-0.04	-0.14
		-0.14	-0.04	1.41e-04	0.0	30.0	-0.10	4.51	0.06	6.40e-03	-0.02	1.12
358	111	1.38	0.05	3.15e-05	-0.09	0.0	-2.10	-4.34	-0.14	-6.09e-03	0.05	1.38
		0.17	4.54e-03	-1.34e-04	0.0	30.0	-2.10	-4.43	-0.14	-6.09e-03	4.54e-03	0.17
358	132	0.70	-0.06	1.06e-06	-0.09	0.0	-2.32	-0.70	0.22	5.35e-03	-0.13	0.70
		0.46	-0.13	7.25e-05	0.0	30.0	-2.32	-0.79	0.22	5.35e-03	-0.06	0.46
358	133	1.15	0.13	-1.78e-05	-0.09	0.0	0.90	3.27	-0.28	-7.39e-04	0.13	0.17
		0.17	0.04	2.18e-05	0.0	30.0	0.90	3.17	-0.28	-7.39e-04	0.04	0.15
358	134	1.08	-0.06	1.82e-05	-0.09	0.0	-3.10	-3.00	0.20	1.05e-03	-0.12	1.08
		0.14	-0.12	-1.48e-05	0.0	30.0	-3.10	-3.09	0.20	1.05e-03	-0.06	0.14
358	135	0.83	0.13	-1.09e-06	-0.09	0.0	0.11	0.97	-0.30	-5.04e-03	0.13	0.54
		0.54	0.04	-6.55e-05	0.0	30.0	0.11	0.87	-0.30	-5.04e-03	0.04	0.83
358	140	1.18	-0.02	-3.50e-05	-0.09	0.0	0.03	5.16	0.08	7.18e-03	-0.05	-0.24
		-0.24	-0.05	1.58e-04	0.0	30.0	0.03	5.07	0.08	7.18e-03	-0.02	1.18
358	143	1.48	0.06	3.54e-05	-0.09	0.0	-2.23	-4.90	-0.15	-6.88e-03	0.06	1.48
		0.11	6.24e-03	-1.51e-04	0.0	30.0	-2.23	-4.99	-0.15	-6.88e-03	6.24e-03	0.11
358	164	0.71	-0.07	1.12e-06	-0.09	0.0	-2.47	-0.80	0.25	6.01e-03	-0.14	0.71
		0.44	-0.14	8.15e-05	0.0	30.0	-2.47	-0.90	0.25	6.01e-03	-0.07	0.44
358	165	1.21	0.14	-2.00e-05	-0.09	0.0	1.15	3.65	-0.31	-8.57e-04	0.14	0.11
		0.11	0.05	2.38e-05	0.0	30.0	1.15	3.56	-0.31	-8.57e-04	0.05	1.21
358	166	1.13	-0.07	2.05e-05	-0.09	0.0	-3.35	-3.39	0.23	1.17e-03	-0.14	1.13
		0.08	-0.14	-1.68e-05	0.0	30.0	-3.35	-3.48	0.23	1.17e-03	-0.07	0.08
358	167	0.85	0.15	-1.14e-06	-0.09	0.0	0.27	1.07	-0.33	-5.70e-03	0.15	0.53
		0.53	0.05	-7.45e-05	0.0	30.0	0.27	0.97	-0.33	-5.70e-03	0.05	0.85
358	172	1.15	-0.02	-3.49e-05	-0.09	0.0	-0.01	4.88	0.07	7.00e-03	-0.05	-0.18
		-0.18	-0.05	1.56e-04	0.0	30.0	-0.01	4.78	0.07	7.00e-03	-0.02	1.15
358	175	1.42	0.05	3.54e-05	-0.09	0.0	-2.19	-4.61	-0.15	-6.69e-03	0.05	1.42
		0.14	6.13e-03	-1.49e-04	0.0	30.0	-2.19	-4.71	-0.15	-6.69e-03	6.13e-03	0.14
358	196	0.70	-0.07	0.0	-0.09	0.0	-2.46	-0.79	0.25	5.92e-03	-0.14	0.70
		0.44	-0.14	8.36e-05	0.0	30.0	-2.46	-0.88	0.25	5.92e-03	-0.07	0.44
358	197	1.19	0.14	-1.98e-05	-0.09	0.0	1.10	3.48	-0.30	-8.83e-04	0.14	0.14
		0.14	0.05	2.08e-05	0.0	30.0	1.10	3.39	-0.30	-8.83e-04	0.05	1.19

358	198	1.10	-0.07	2.03e-05	-0.09	0.0	-3.31	-3.22	0.22	1.19e-03	-0.13	1.10
		0.10	-0.13	-1.38e-05	0.0	30.0	-3.31	-3.31	0.22	1.19e-03	-0.07	0.10
358	199	0.85	0.15	-1.00e-06	-0.09	0.0	0.25	1.05	-0.33	-5.61e-03	0.15	0.54
		0.54	0.05	-7.66e-05	0.0	30.0	0.25	0.96	-0.33	-5.61e-03	0.05	0.85
358	204	1.23	-0.03	-4.10e-05	-0.09	0.0	0.16	5.55	0.09	8.10e-03	-0.06	-0.30
		-0.30	-0.06	1.82e-04	0.0	30.0	0.16	5.45	0.09	8.10e-03	-0.03	1.23
358	207	1.54	0.06	4.14e-05	-0.09	0.0	-2.36	-5.28	-0.17	-7.79e-03	0.06	1.54
		0.06	8.63e-03	-1.75e-04	0.0	30.0	-2.36	-5.37	-0.17	-7.79e-03	8.63e-03	0.06
358	228	0.72	-0.08	0.0	-0.09	0.0	-2.68	-0.94	0.29	6.91e-03	-0.16	0.72
		0.41	-0.16	9.88e-05	0.0	30.0	-2.68	-1.03	0.29	6.91e-03	-0.08	0.41
358	229	1.28	0.16	-2.31e-05	-0.09	0.0	1.46	3.97	-0.35	-1.11e-03	0.16	0.08
		0.08	0.06	2.23e-05	0.0	30.0	1.46	3.88	-0.35	-1.11e-03	0.06	1.28
358	230	1.16	-0.08	2.35e-05	-0.09	0.0	-3.66	-3.71	0.27	1.42e-03	-0.16	1.16
		0.01	-0.16	-1.53e-05	0.0	30.0	-3.66	-3.80	0.27	1.42e-03	-0.08	0.01
358	231	0.89	0.17	0.0	-0.09	0.0	0.47	1.20	-0.37	-6.60e-03	0.17	0.52
		0.52	0.06	-9.18e-05	0.0	30.0	0.47	1.11	-0.37	-6.60e-03	0.06	0.89
359	12	0.63	-0.08	5.85e-06	-0.09	0.0	-1.28	0.15	-0.21	1.68e-04	-0.08	0.60
		0.60	-0.14	2.17e-06	0.0	30.0	-1.28	0.05	-0.21	1.68e-04	-0.14	0.63
359	18	0.90	-0.14	6.36e-06	-0.12	0.0	-1.95	0.27	-0.34	1.97e-04	-0.14	0.84
		0.84	-0.24	3.23e-06	0.0	30.0	-1.95	0.15	-0.34	1.97e-04	-0.24	0.90
359	19	0.62	-0.13	6.17e-06	-0.09	0.0	-1.43	0.08	-0.37	1.40e-04	-0.13	0.61
		0.61	-0.24	1.91e-06	0.0	30.0	-1.43	-0.02	-0.37	1.40e-04	-0.24	0.62
359	28	0.94	0.08	5.19e-06	-0.12	0.0	-1.43	0.32	0.19	2.06e-04	0.02	0.87
		0.87	0.02	4.10e-06	0.0	30.0	-1.43	0.20	0.19	2.06e-04	0.08	0.94
359	44	0.92	0.13	5.63e-06	-0.12	0.0	-1.22	0.27	0.26	2.03e-04	0.05	0.85
		0.85	0.05	3.78e-06	0.0	30.0	-1.22	0.15	0.26	2.03e-04	0.13	0.92
359	45	0.64	0.13	5.44e-06	-0.09	0.0	-0.70	0.08	0.23	1.46e-04	0.06	0.63
		0.63	0.06	2.03e-06	0.0	30.0	-0.70	-0.02	0.23	1.46e-04	0.13	0.64
359	69	0.64	-0.06	5.70e-06	-0.09	0.0	-1.22	0.14	-0.12	1.64e-04	-0.06	0.61
		0.61	-0.10	2.18e-06	0.0	30.0	-1.22	0.04	-0.12	1.64e-04	-0.10	0.64
359	72	0.63	-0.09	5.91e-06	-0.09	0.0	-1.32	0.09	-0.23	1.45e-04	-0.09	0.62
		0.62	-0.16	1.83e-06	0.0	30.0	-1.32	-5.09e-03	-0.23	1.45e-04	-0.16	0.63
359	75	0.68	-0.09	5.04e-06	-0.09	0.0	-1.43	0.19	-0.22	1.51e-04	-0.09	0.64
		0.64	-0.16	2.36e-06	0.0	30.0	-1.43	0.09	-0.22	1.51e-04	-0.16	0.68
359	80	0.71	0.05	4.26e-06	-0.09	0.0	-1.09	0.22	0.13	1.57e-04	0.02	0.66
		0.66	0.02	2.98e-06	0.0	30.0	-1.09	0.12	0.13	1.57e-04	0.05	0.71
359	85	0.64	0.09	5.43e-06	-0.09	0.0	-0.83	0.09	0.17	1.49e-04	0.04	0.63
		0.63	0.04	2.12e-06	0.0	30.0	-0.83	-4.54e-03	0.17	1.49e-04	0.09	0.64
359	88	0.69	0.09	4.56e-06	-0.09	0.0	-0.94	0.19	0.18	1.55e-04	0.03	0.65
		0.65	0.03	2.76e-06	0.0	30.0	-0.94	0.09	0.18	1.55e-04	0.09	0.69
359	98	0.68	3.84e-03	4.74e-06	-0.09	0.0	-1.18	0.16	0.04	1.54e-04	-9.37e-03	0.65
		0.65	-9.37e-03	2.63e-06	0.0	30.0	-1.18	0.07	0.04	1.54e-04	3.84e-03	0.68
359	99	0.64	3.01e-03	5.56e-06	-0.09	0.0	-1.07	0.10	0.03	1.58e-04	-7.39e-03	0.62
		0.62	-7.39e-03	2.21e-06	0.0	30.0	-1.07	5.48e-03	0.03	1.58e-04	3.01e-03	0.64
359	102	0.64	-0.02	5.64e-06	-0.09	0.0	-1.12	0.09	-0.02	1.53e-04	-0.02	0.62
		0.62	-0.03	2.05e-06	0.0	30.0	-1.12	-4.05e-03	-0.02	1.53e-04	-0.03	0.64
359	103	0.68	-0.03	4.93e-06	-0.09	0.0	-1.21	0.15	-0.01	1.52e-04	-0.03	0.64
		0.64	-0.03	2.46e-06	0.0	30.0	-1.21	0.06	-0.01	1.52e-04	-0.03	0.68
359	104	0.64	0.02	5.55e-06	-0.09	0.0	-1.02	0.09	0.06	1.54e-04	1.16e-03	0.63
		0.63	1.16e-03	2.14e-06	0.0	30.0	-1.02	-3.94e-03	0.06	1.54e-04	0.02	0.64
359	105	0.68	0.02	4.83e-06	-0.09	0.0	-1.12	0.15	0.07	1.53e-04	-5.87e-04	0.65
		0.65	-5.87e-04	2.55e-06	0.0	30.0	-1.12	0.06	0.07	1.53e-04	0.02	0.68
359	106	0.64	2.98e-03	5.57e-06	-0.09	0.0	-1.07	0.09	0.03	1.55e-04	-7.33e-03	0.62
		0.62	-7.33e-03	2.15e-06	0.0	30.0	-1.07	-3.79e-03	0.03	1.55e-04	2.98e-03	0.64
359	107	0.68	3.72e-03	4.86e-06	-0.09	0.0	-1.16	0.15	0.04	1.54e-04	-9.08e-03	0.65
		0.65	-9.08e-03	2.56e-06	0.0	30.0	-1.16	0.06	0.04	1.54e-04	3.72e-03	0.68
359	113	2.47	0.05	-1.56e-05	-0.09	0.0	-2.01	4.02	0.08	6.41e-03	8.45e-03	1.28
		1.28	8.45e-03	1.95e-04	0.0	30.0	-2.01	3.93	0.08	6.41e-03	0.05	2.47
359	114	7.30e-03	-0.03	2.53e-05	-0.09	0.0	-0.31	-3.71	9.53e-03	-6.10e-03	-0.03	7.30e-03
		-1.11	-0.04	-1.90e-04	0.0	30.0	-0.31	-3.81	9.53e-03	-6.10e-03	-0.04	-1.11
359	124	1.90	-0.06	-7.26e-06	-0.09	0.0	-3.09	3.07	-0.20	-7.71e-04	-0.06	0.60
		0.60	-0.12	3.57e-05	0.0	30.0	-3.09	2.97	-0.20	-7.71e-04	-0.12	1.90
359	125	1.01	0.13	5.74e-06	-0.09	0.0	0.06	-0.75	0.27	5.38e-03	0.04	1.01
		0.38	0.04	8.95e-05	0.0	30.0	0.06	-0.84	0.27	5.38e-03	0.13	0.38
359	126	0.98	-0.06	3.98e-06	-0.09	0.0	-2.39	1.06	-0.18	-5.07e-03	-0.06	0.28
		0.28	-0.12	-8.44e-05	0.0	30.0	-2.39	0.96	-0.18	-5.07e-03	-0.12	0.98
359	127	0.69	0.12	1.70e-05	-0.09	0.0	0.76	-2.76	0.29	1.08e-03	0.04	0.69
		-0.55	0.04	-3.06e-05	0.0	30.0	0.76	-2.85	0.29	1.08e-03	0.12	-0.55
359	145	2.69	0.05	-1.82e-05	-0.09	0.0	-2.12	4.50	0.08	7.19e-03	0.01	1.36
		1.36	0.01	2.19e-04	0.0	30.0	-2.12	4.41	0.08	7.19e-03	0.05	2.69
359	146	-0.07	-0.03	2.79e-05	-0.09	0.0	-0.20	-4.19	5.36e-03	-6.89e-03	-0.03	-0.07
		-1.34	-0.04	-2.14e-04	0.0	30.0	-0.20	-4.29	5.36e-03	-6.89e-03	-0.04	-1.34
359	156	2.05	-0.07	-8.76e-06	-0.09	0.0	-3.32	3.43	-0.23	-8.93e-04	-0.07	0.60
		0.60	-0.13	3.95e-05	0.0	30.0	-3.32	3.33	-0.23	-8.93e-04	-0.13	2.05
359	157	1.06	0.14	5.80e-06	-0.09	0.0	0.21	-0.86	0.30	6.04e-03	0.05	1.06

		0.34	0.05	1.01e-04	0.0	30.0	0.21	-0.95	0.30	6.04e-03	0.14	0.34
359	158	1.02	-0.07	3.92e-06	-0.09	0.0	-2.54	1.17	-0.21	-5.74e-03	-0.07	0.24
		0.24	-0.14	-9.56e-05	0.0	30.0	-2.54	1.07	-0.21	-5.74e-03	-0.14	1.02
359	159	0.70	0.14	1.85e-05	-0.09	0.0	1.00	-3.12	0.32	1.20e-03	0.05	0.70
		-0.70	0.05	-3.44e-05	0.0	30.0	1.00	-3.21	0.32	1.20e-03	0.14	-0.70
359	177	2.59	0.05	-1.85e-05	-0.09	0.0	-2.07	4.25	0.08	7.01e-03	0.01	1.33
		1.33	0.01	2.13e-04	0.0	30.0	-2.07	4.15	0.08	7.01e-03	0.05	2.59
359	178	-0.04	-0.03	2.83e-05	-0.09	0.0	-0.26	-3.94	4.80e-03	-6.70e-03	-0.03	-0.04
		-1.23	-0.04	-2.08e-04	0.0	30.0	-0.26	-4.03	4.80e-03	-6.70e-03	-0.04	-1.23
359	188	1.99	-0.07	-8.61e-06	-0.09	0.0	-3.28	3.28	-0.23	-9.16e-04	-0.07	0.60
		0.60	-0.13	3.55e-05	0.0	30.0	-3.28	3.18	-0.23	-9.16e-04	-0.13	1.99
359	189	1.03	0.14	5.39e-06	-0.09	0.0	0.21	-0.85	0.29	5.95e-03	0.05	1.03
		0.35	0.05	1.02e-04	0.0	30.0	0.21	-0.94	0.29	5.95e-03	0.14	0.35
359	190	1.01	-0.07	4.33e-06	-0.09	0.0	-2.53	1.15	-0.21	-5.64e-03	-0.07	0.26
		0.26	-0.13	-9.65e-05	0.0	30.0	-2.53	1.06	-0.21	-5.64e-03	-0.13	1.01
359	191	0.69	0.14	1.83e-05	-0.09	0.0	0.95	-2.97	0.31	1.22e-03	0.05	0.69
		-0.63	0.05	-3.04e-05	0.0	30.0	0.95	-3.06	0.31	1.22e-03	0.14	-0.63
359	209	2.86	0.06	-2.28e-05	-0.09	0.0	-2.19	4.82	0.09	8.11e-03	0.01	1.43
		1.43	0.01	2.47e-04	0.0	30.0	-2.19	4.73	0.09	8.11e-03	0.06	2.86
359	210	-0.14	-0.03	3.25e-05	-0.09	0.0	-0.13	-4.51	-1.66e-03	-7.80e-03	-0.03	-0.14
		-1.50	-0.05	-2.42e-04	0.0	30.0	-0.13	-4.61	-1.66e-03	-7.80e-03	-0.05	-1.50
359	220	2.18	-0.07	-1.08e-05	-0.09	0.0	-3.61	3.74	-0.27	-1.14e-03	-0.07	0.60
		0.60	-0.15	3.91e-05	0.0	30.0	-3.61	3.65	-0.27	-1.14e-03	-0.15	2.18
359	221	1.09	0.16	5.16e-06	-0.09	0.0	0.44	-1.01	0.33	6.94e-03	0.06	1.09
		0.29	0.06	1.19e-04	0.0	30.0	0.44	-1.11	0.33	6.94e-03	0.16	0.29
359	222	1.06	-0.08	4.56e-06	-0.09	0.0	-2.76	1.32	-0.25	-6.64e-03	-0.08	0.20
		0.20	-0.16	-1.14e-04	0.0	30.0	-2.76	1.23	-0.25	-6.64e-03	-0.16	1.06
359	223	0.70	0.16	2.05e-05	-0.09	0.0	1.29	-3.43	0.35	1.45e-03	0.06	0.70
		-0.82	0.06	-3.39e-05	0.0	30.0	1.29	-3.53	0.35	1.45e-03	0.16	-0.82
360	18	0.90	0.17	4.06e-05	-0.24	0.0	-3.98	-0.17	0.68	1.89e-04	-0.24	0.90
		0.72	-0.24	-3.08e-05	0.0	60.0	-3.98	-0.41	0.68	1.89e-04	0.17	0.72
360	19	0.62	0.17	2.95e-05	-0.19	0.0	-2.89	-0.09	0.68	1.34e-04	-0.24	0.62
		0.51	-0.24	-3.50e-05	0.0	60.0	-2.89	-0.28	0.68	1.34e-04	0.17	0.51
360	20	0.62	0.17	3.02e-05	-0.19	0.0	-2.90	-0.10	0.68	1.45e-04	-0.24	0.62
		0.51	-0.24	-3.45e-05	0.0	60.0	-2.90	-0.29	0.68	1.45e-04	0.17	0.51
360	28	0.94	0.08	4.03e-05	-0.24	0.0	-3.44	-0.18	-0.21	1.98e-04	0.08	0.94
		0.76	-0.05	2.14e-05	0.0	60.0	-3.44	-0.43	-0.21	1.98e-04	-0.05	0.76
360	45	0.64	0.13	2.85e-05	-0.19	0.0	-2.06	-0.09	-0.34	1.40e-04	0.13	0.64
		0.53	-0.08	2.41e-05	0.0	60.0	-2.06	-0.28	-0.34	1.40e-04	-0.08	0.53
360	72	0.63	0.11	2.94e-05	-0.19	0.0	-2.76	-0.09	0.45	1.40e-04	-0.16	0.63
		0.52	-0.16	-2.15e-05	0.0	60.0	-2.76	-0.28	0.45	1.40e-04	0.11	0.52
360	73	0.63	0.11	2.98e-05	-0.19	0.0	-2.77	-0.10	0.45	1.47e-04	-0.16	0.63
		0.52	-0.16	-2.12e-05	0.0	60.0	-2.77	-0.29	0.45	1.47e-04	0.11	0.52
360	75	0.68	0.11	3.08e-05	-0.19	0.0	-2.97	-0.12	0.45	1.46e-04	-0.16	0.68
		0.55	-0.16	-2.00e-05	0.0	60.0	-2.97	-0.31	0.45	1.46e-04	0.11	0.55
360	80	0.71	0.05	3.06e-05	-0.19	0.0	-2.60	-0.13	-0.14	1.51e-04	0.05	0.71
		0.58	-0.03	1.49e-05	0.0	60.0	-2.60	-0.32	-0.14	1.51e-04	-0.03	0.58
360	85	0.64	0.09	2.87e-05	-0.19	0.0	-2.21	-0.09	-0.23	1.44e-04	0.09	0.64
		0.53	-0.05	1.79e-05	0.0	60.0	-2.21	-0.28	-0.23	1.44e-04	-0.05	0.53
360	98	0.68	3.84e-03	2.98e-05	-0.19	0.0	-2.66	-0.12	-2.89e-03	1.48e-04	3.84e-03	0.68
		0.56	2.11e-03	6.34e-06	0.0	60.0	-2.66	-0.30	-2.89e-03	1.48e-04	2.11e-03	0.56
360	102	0.64	0.02	2.90e-05	-0.19	0.0	-2.52	-0.09	0.09	1.48e-04	-0.03	0.64
		0.52	-0.03	0.0	0.0	60.0	-2.52	-0.28	0.09	1.48e-04	0.02	0.52
360	103	0.68	0.02	2.98e-05	-0.19	0.0	-2.69	-0.11	0.09	1.46e-04	-0.03	0.68
		0.55	-0.03	0.0	0.0	60.0	-2.69	-0.30	0.09	1.46e-04	0.02	0.55
360	104	0.64	0.02	2.88e-05	-0.19	0.0	-2.41	-0.09	-0.05	1.49e-04	0.02	0.64
		0.53	-9.29e-03	7.69e-06	0.0	60.0	-2.41	-0.28	-0.05	1.49e-04	-9.29e-03	0.53
360	106	0.64	2.98e-03	2.89e-05	-0.19	0.0	-2.46	-0.09	-2.22e-03	1.50e-04	2.98e-03	0.64
		0.53	1.65e-03	5.14e-06	0.0	60.0	-2.46	-0.28	-2.22e-03	1.50e-04	1.65e-03	0.53
360	107	0.68	3.72e-03	2.97e-05	-0.19	0.0	-2.63	-0.11	-2.79e-03	1.48e-04	3.72e-03	0.68
		0.55	2.04e-03	6.17e-06	0.0	60.0	-2.63	-0.30	-2.79e-03	1.48e-04	2.04e-03	0.55
360	108	2.44	0.02	1.19e-04	-0.19	0.0	-5.95	-2.03	0.07	6.40e-03	-0.02	2.44
		1.17	-0.02	3.11e-04	0.0	60.0	-5.95	-2.22	0.07	6.40e-03	0.02	1.17
360	111	-0.06	0.03	-5.99e-05	-0.19	0.0	0.70	1.81	-0.07	-6.10e-03	0.03	-1.09
		-1.09	-0.02	-2.98e-04	0.0	60.0	0.70	1.62	-0.07	-6.10e-03	-0.02	-0.06
360	113	2.47	0.05	1.18e-04	-0.19	0.0	-4.92	-2.03	-0.11	6.40e-03	0.05	2.47
		1.20	-0.01	3.24e-04	0.0	60.0	-4.92	-2.22	-0.11	6.40e-03	-0.01	1.20
360	114	-0.09	0.02	-5.90e-05	-0.19	0.0	-0.34	1.81	0.10	-6.11e-03	-0.04	-1.11
		-1.11	-0.04	-3.11e-04	0.0	60.0	-0.34	1.62	0.10	-6.11e-03	0.02	-0.09
360	125	0.47	0.13	1.72e-05	-0.19	0.0	-0.96	0.26	-0.31	5.38e-03	0.13	0.38
		0.38	-0.06	1.79e-04	0.0	60.0	-0.96	0.07	-0.31	5.38e-03	-0.06	0.47
360	126	0.98	0.06	4.22e-05	-0.19	0.0	-4.30	-0.49	0.31	-5.08e-03	-0.12	0.98
		0.64	-0.12	-1.66e-04	0.0	60.0	-4.30	-0.67	0.31	-5.08e-03	0.06	0.64
360	140	2.66	0.03	1.30e-04	-0.19	0.0	-6.37	-2.27	0.08	7.18e-03	-0.03	2.66
		1.25	-0.03	3.49e-04	0.0	60.0	-6.37	-2.46	0.08	7.18e-03	0.03	1.25

360	143	-0.14	0.03	-7.10e-05	-0.19	0.0	1.11	2.05	-0.08	-6.88e-03	0.03	-1.31
		-1.31	-0.02	-3.37e-04	0.0	60.0	1.11	1.86	-0.08	-6.88e-03	-0.02	-0.14
360	145	2.69	0.05	1.29e-04	-0.19	0.0	-5.20	-2.27	-0.12	7.19e-03	0.05	2.69
		1.28	-0.01	3.64e-04	0.0	60.0	-5.20	-2.46	-0.12	7.19e-03	-0.01	1.28
360	146	-0.17	0.02	-7.00e-05	-0.19	0.0	-0.06	2.05	0.12	-6.89e-03	-0.04	-1.34
		-1.34	-0.04	-3.51e-04	0.0	60.0	-0.06	1.86	0.12	-6.89e-03	0.02	-0.17
360	157	0.46	0.14	1.56e-05	-0.19	0.0	-0.75	0.31	-0.35	6.04e-03	0.14	0.34
		0.34	-0.07	2.01e-04	0.0	60.0	-0.75	0.12	-0.35	6.04e-03	-0.07	0.46
360	158	1.02	0.07	4.39e-05	-0.19	0.0	-4.51	-0.53	0.35	-5.75e-03	-0.14	1.02
		0.64	-0.14	-1.89e-04	0.0	60.0	-4.51	-0.72	0.35	-5.75e-03	0.07	0.64
360	172	2.55	0.03	1.23e-04	-0.19	0.0	-6.16	-2.15	0.08	6.99e-03	-0.03	2.55
		1.21	-0.03	3.41e-04	0.0	60.0	-6.16	-2.34	0.08	6.99e-03	0.03	1.21
360	175	-0.10	0.03	-6.35e-05	-0.19	0.0	0.91	1.93	-0.08	-6.70e-03	0.03	-1.20
		-1.20	-0.02	-3.29e-04	0.0	60.0	0.91	1.74	-0.08	-6.70e-03	-0.02	-0.10
360	177	2.59	0.05	1.22e-04	-0.19	0.0	-5.05	-2.15	-0.12	7.00e-03	0.05	2.59
		1.24	-0.01	3.56e-04	0.0	60.0	-5.05	-2.34	-0.12	7.00e-03	-0.01	1.24
360	178	-0.13	0.02	-6.27e-05	-0.19	0.0	-0.21	1.93	0.11	-6.71e-03	-0.04	-1.23
		-1.23	-0.04	-3.43e-04	0.0	60.0	-0.21	1.74	0.11	-6.71e-03	0.02	-0.13
360	189	0.47	0.14	1.28e-05	-0.19	0.0	-0.74	0.30	-0.35	5.95e-03	0.14	0.35
		0.35	-0.06	2.04e-04	0.0	60.0	-0.74	0.11	-0.35	5.95e-03	-0.06	0.47
360	190	1.01	0.07	4.66e-05	-0.19	0.0	-4.52	-0.52	0.34	-5.65e-03	-0.13	1.01
		0.64	-0.13	-1.91e-04	0.0	60.0	-4.52	-0.71	0.34	-5.65e-03	0.07	0.64
360	209	2.86	0.06	1.34e-04	-0.19	0.0	-5.39	-2.44	-0.14	8.10e-03	0.06	2.86
		1.33	-0.02	4.13e-04	0.0	60.0	-5.39	-2.63	-0.14	8.10e-03	-0.02	1.33
360	210	-0.23	0.02	-7.45e-05	-0.19	0.0	0.13	2.22	0.13	-7.80e-03	-0.05	-1.50
		-1.50	-0.05	-4.00e-04	0.0	60.0	0.13	2.03	0.13	-7.80e-03	0.02	-0.23
360	220	2.18	0.08	1.05e-04	-0.19	0.0	-6.70	-1.80	0.38	-1.15e-03	-0.15	2.18
		1.05	-0.15	2.58e-05	0.0	60.0	-6.70	-1.98	0.38	-1.15e-03	0.08	1.05
360	221	0.46	0.16	8.53e-06	-0.19	0.0	-0.42	0.37	-0.40	6.94e-03	0.16	0.29
		0.29	-0.08	2.40e-04	0.0	60.0	-0.42	0.18	-0.40	6.94e-03	-0.08	0.46
360	222	1.06	0.08	5.09e-05	-0.19	0.0	-4.84	-0.59	0.40	-6.65e-03	-0.16	1.06
		0.65	-0.16	-2.27e-04	0.0	60.0	-4.84	-0.78	0.40	-6.65e-03	0.08	0.65
360	223	0.06	0.16	-4.58e-05	-0.19	0.0	1.44	1.57	-0.39	1.45e-03	0.16	-0.82
		-0.82	-0.08	-1.34e-05	0.0	60.0	1.44	1.39	-0.39	1.45e-03	-0.08	0.06
361	11	-0.64	8.41e-04	3.73e-05	-0.16	0.0	0.12	0.10	0.26	2.18e-04	-0.10	-0.65
		-0.65	-0.10	6.98e-06	0.0	40.0	0.12	-0.06	0.26	2.18e-04	8.41e-04	-0.64
361	19	-0.32	-0.02	3.14e-05	-0.13	0.0	-0.04	0.05	0.40	1.42e-04	-0.18	-0.33
		-0.33	-0.18	3.24e-06	0.0	40.0	-0.04	-0.08	0.40	1.42e-04	-0.02	-0.33
361	21	-0.33	-0.01	3.11e-05	-0.13	0.0	-0.17	0.18	0.41	1.40e-04	-0.17	-0.38
		-0.38	-0.17	4.62e-06	0.0	40.0	-0.17	0.05	0.41	1.40e-04	-0.01	-0.33
361	42	-0.45	0.09	4.08e-05	-0.16	0.0	0.78	0.07	-0.17	2.08e-04	0.09	-0.45
		-0.46	0.02	5.23e-06	0.0	40.0	0.78	-0.09	-0.17	2.08e-04	0.02	-0.46
361	44	-0.45	0.09	4.06e-05	-0.16	0.0	0.65	0.20	-0.16	2.06e-04	0.09	-0.50
		-0.50	0.03	6.62e-06	0.0	40.0	0.65	0.04	-0.16	2.06e-04	0.03	-0.45
361	47	-0.23	0.09	3.30e-05	-0.13	0.0	0.54	0.23	-0.17	1.46e-04	0.09	-0.30
		-0.30	0.02	4.83e-06	0.0	40.0	0.54	0.10	-0.17	1.46e-04	0.02	-0.23
361	71	-0.46	1.56e-03	2.93e-05	-0.13	0.0	0.12	0.08	0.17	1.66e-04	-0.07	-0.46
		-0.46	-0.07	5.08e-06	0.0	40.0	0.12	-0.05	0.17	1.66e-04	1.56e-03	-0.46
361	72	-0.32	-7.20e-03	3.15e-05	-0.13	0.0	0.07	0.06	0.27	1.48e-04	-0.12	-0.32
		-0.33	-0.12	3.55e-06	0.0	40.0	0.07	-0.06	0.27	1.48e-04	-7.20e-03	-0.33
361	74	-0.32	-5.07e-03	3.14e-05	-0.13	0.0	-0.02	0.15	0.28	1.46e-04	-0.12	-0.36
		-0.36	-0.12	4.47e-06	0.0	40.0	-0.02	0.02	0.28	1.46e-04	-5.07e-03	-0.32
361	86	-0.33	0.06	3.16e-05	-0.13	0.0	0.57	0.05	-0.11	1.59e-04	0.06	-0.33
		-0.34	0.02	3.92e-06	0.0	40.0	0.57	-0.07	-0.11	1.59e-04	0.02	-0.34
361	87	-0.26	0.06	3.26e-05	-0.13	0.0	0.45	0.18	-0.11	1.50e-04	0.06	-0.30
		-0.30	0.02	4.61e-06	0.0	40.0	0.45	0.05	-0.11	1.50e-04	0.02	-0.26
361	88	-0.33	0.06	3.14e-05	-0.13	0.0	0.48	0.14	-0.11	1.58e-04	0.06	-0.36
		-0.36	0.02	4.84e-06	0.0	40.0	0.48	0.02	-0.11	1.58e-04	0.02	-0.33
361	101	-0.32	0.01	3.16e-05	-0.13	0.0	0.24	0.14	0.02	1.59e-04	2.07e-03	-0.35
		-0.35	2.07e-03	4.79e-06	0.0	40.0	0.24	9.99e-03	0.02	1.59e-04	0.01	-0.32
361	102	-0.29	5.64e-03	3.21e-05	-0.13	0.0	0.25	0.07	0.07	1.55e-04	-0.02	-0.30
		-0.30	-0.02	3.84e-06	0.0	40.0	0.25	-0.05	0.07	1.55e-04	5.64e-03	-0.30
361	103	-0.29	7.47e-03	3.19e-05	-0.13	0.0	0.18	0.15	0.07	1.54e-04	-0.02	-0.33
		-0.33	-0.02	4.63e-06	0.0	40.0	0.18	0.02	0.07	1.54e-04	7.47e-03	-0.29
361	104	-0.28	0.01	3.23e-05	-0.13	0.0	0.35	0.08	-7.09e-03	1.56e-04	0.01	-0.29
		-0.29	0.01	3.87e-06	0.0	40.0	0.35	-0.04	-7.09e-03	1.56e-04	0.01	-0.28
361	105	-0.28	0.01	3.22e-05	-0.13	0.0	0.27	0.15	-3.85e-03	1.55e-04	0.01	-0.32
		-0.32	0.01	4.66e-06	0.0	40.0	0.27	0.03	-3.85e-03	1.55e-04	0.01	-0.28
361	106	-0.29	8.85e-03	3.22e-05	-0.13	0.0	0.30	0.08	0.02	1.57e-04	1.49e-03	-0.29
		-0.29	1.49e-03	3.91e-06	0.0	40.0	0.30	-0.05	0.02	1.57e-04	8.85e-03	-0.29
361	107	-0.29	0.01	3.21e-05	-0.13	0.0	0.23	0.15	0.02	1.56e-04	2.02e-03	-0.32
		-0.32	2.02e-03	4.70e-06	0.0	40.0	0.23	0.03	0.02	1.56e-04	0.01	-0.29
361	108	-3.59	-5.24e-04	-4.46e-05	-0.13	0.0	2.62	2.65	0.06	6.40e-03	-0.02	-4.62
		-4.62	-0.02	2.13e-04	0.0	40.0	2.62	2.52	0.06	6.40e-03	-5.24e-04	-3.59
361	111	3.97	0.02	1.09e-04	-0.13	0.0	-2.17	-2.34	-0.02	-6.09e-03	0.02	3.97

		3.01	0.02	-2.04e-04	0.0	40.0	-2.17	-2.47	-0.02	-6.09e-03	0.02	3.01
361	113	-2.71	0.04	-3.89e-05	-0.13	0.0	3.65	2.73	-0.06	6.41e-03	0.04	-4.51
		-4.51	0.01	2.17e-04	0.0	40.0	3.65	2.61	-0.06	6.41e-03	0.01	-2.71
361	114	3.86	7.05e-03	1.03e-04	-0.13	0.0	-3.20	-2.43	0.10	-6.10e-03	-0.04	3.86
		2.13	-0.04	-2.08e-04	0.0	40.0	-3.20	-2.56	0.10	-6.10e-03	7.05e-03	2.13
361	125	0.68	0.11	5.34e-05	-0.13	0.0	2.05	-0.21	-0.18	5.38e-03	0.11	0.68
		0.58	0.04	1.13e-04	0.0	40.0	2.05	-0.34	-0.18	5.38e-03	0.04	0.58
361	126	-1.16	-0.01	1.07e-05	-0.13	0.0	-1.59	0.51	0.23	-5.07e-03	-0.11	-1.33
		-1.33	-0.11	-1.03e-04	0.0	40.0	-1.59	0.39	0.23	-5.07e-03	-0.01	-1.16
361	140	-4.00	-1.92e-03	-5.41e-05	-0.13	0.0	2.92	2.96	0.07	7.19e-03	-0.02	-5.15
		-5.15	-0.02	2.39e-04	0.0	40.0	2.92	2.83	0.07	7.19e-03	-1.92e-03	-4.00
361	143	4.51	0.03	1.18e-04	-0.13	0.0	-2.47	-2.66	-0.02	-6.87e-03	0.03	4.51
		3.42	0.02	-2.30e-04	0.0	40.0	-2.47	-2.78	-0.02	-6.87e-03	0.02	3.42
361	145	-3.01	0.05	-4.77e-05	-0.13	0.0	4.08	3.06	-0.06	7.20e-03	0.05	-5.03
		-5.03	0.01	2.44e-04	0.0	40.0	4.08	2.93	-0.06	7.20e-03	0.01	-3.01
361	146	4.38	6.59e-03	1.12e-04	-0.13	0.0	-3.63	-2.75	0.11	-6.88e-03	-0.04	4.38
		2.44	-0.04	-2.35e-04	0.0	40.0	-3.63	-2.88	0.11	-6.88e-03	6.59e-03	2.44
361	157	0.81	0.12	5.60e-05	-0.13	0.0	2.27	-0.25	-0.21	6.04e-03	0.12	0.81
		0.69	0.04	1.27e-04	0.0	40.0	2.27	-0.38	-0.21	6.04e-03	0.04	0.69
361	158	-1.26	-0.02	8.09e-06	-0.13	0.0	-1.82	0.56	0.25	-5.73e-03	-0.12	-1.45
		-1.45	-0.12	-1.17e-04	0.0	40.0	-1.82	0.43	0.25	-5.73e-03	-0.02	-1.26
361	172	-3.80	-1.48e-03	-4.91e-05	-0.13	0.0	2.82	2.80	0.07	7.00e-03	-0.02	-4.90
		-4.90	-0.02	2.34e-04	0.0	40.0	2.82	2.67	0.07	7.00e-03	-1.48e-03	-3.80
361	175	4.25	0.03	1.13e-04	-0.13	0.0	-2.37	-2.50	-0.02	-6.69e-03	0.03	4.25
		3.23	0.02	-2.25e-04	0.0	40.0	-2.37	-2.62	-0.02	-6.69e-03	0.02	3.23
361	177	-2.86	0.05	-4.32e-05	-0.13	0.0	3.94	2.90	-0.06	7.01e-03	0.05	-4.77
		-4.77	0.01	2.39e-04	0.0	40.0	3.94	2.78	-0.06	7.01e-03	0.01	-2.86
361	178	4.12	6.44e-03	1.07e-04	-0.13	0.0	-3.48	-2.60	0.11	-6.70e-03	-0.04	4.12
		2.28	-0.04	-2.29e-04	0.0	40.0	-3.48	-2.73	0.11	-6.70e-03	6.44e-03	2.28
361	189	0.80	0.12	5.66e-05	-0.13	0.0	2.12	-0.24	-0.21	5.95e-03	0.12	0.80
		0.68	0.04	1.29e-04	0.0	40.0	2.12	-0.36	-0.21	5.95e-03	0.04	0.68
361	190	-1.26	-0.02	7.58e-06	-0.13	0.0	-1.67	0.54	0.25	-5.64e-03	-0.12	-1.44
		-1.44	-0.12	-1.19e-04	0.0	40.0	-1.67	0.41	0.25	-5.64e-03	-0.02	-1.26
361	204	-4.31	-3.34e-03	-6.02e-05	-0.13	0.0	3.22	3.17	0.07	8.10e-03	-0.03	-5.55
		-5.55	-0.03	2.72e-04	0.0	40.0	3.22	3.05	0.07	8.10e-03	-3.34e-03	-4.31
361	207	4.91	0.03	1.24e-04	-0.13	0.0	-2.76	-2.87	-0.03	-7.79e-03	0.03	4.91
		3.74	0.02	-2.62e-04	0.0	40.0	-2.76	-3.00	-0.03	-7.79e-03	0.02	3.74
361	209	-3.22	0.05	-5.35e-05	-0.13	0.0	4.50	3.30	-0.08	8.11e-03	0.05	-5.40
		-5.40	0.02	2.77e-04	0.0	40.0	4.50	3.17	-0.08	8.11e-03	0.02	-3.22
361	210	4.76	5.64e-03	1.18e-04	-0.13	0.0	-4.05	-2.99	0.12	-7.80e-03	-0.05	4.76
		2.64	-0.05	-2.68e-04	0.0	40.0	-4.05	-3.12	0.12	-7.80e-03	5.64e-03	2.64
361	221	0.98	0.14	6.08e-05	-0.13	0.0	2.38	-0.30	-0.24	6.94e-03	0.14	0.98
		0.85	0.04	1.51e-04	0.0	40.0	2.38	-0.42	-0.24	6.94e-03	0.04	0.85
361	222	-1.42	-0.02	4.25e-06	-0.13	0.0	-1.93	0.60	0.29	-6.63e-03	-0.14	-1.63
		-1.63	-0.14	-1.42e-04	0.0	40.0	-1.93	0.48	0.29	-6.63e-03	-0.02	-1.42
362	9	-0.50	3.88e-03	2.40e-05	-0.16	0.0	0.51	0.45	0.02	2.20e-04	-2.36e-03	-0.64
		-0.64	-2.36e-03	6.83e-06	0.0	40.0	0.51	0.29	0.02	2.20e-04	3.88e-03	-0.50
362	19	-0.23	3.32e-03	2.41e-05	-0.13	0.0	0.19	0.32	0.05	1.42e-04	-0.02	-0.33
		-0.33	-0.02	4.09e-06	0.0	40.0	0.19	0.19	0.05	1.42e-04	3.32e-03	-0.23
362	21	-0.17	3.15e-03	2.38e-05	-0.13	0.0	2.60e-03	0.46	0.04	1.40e-04	-0.01	-0.33
		-0.33	-0.01	5.82e-06	0.0	40.0	2.60e-03	0.33	0.04	1.40e-04	3.15e-03	-0.17
362	31	-0.06	0.02	2.67e-05	-0.13	0.0	0.49	0.52	-0.04	1.49e-04	0.02	-0.25
		-0.25	3.34e-03	6.95e-06	0.0	40.0	0.49	0.40	-0.04	1.49e-04	3.34e-03	-0.06
362	42	-0.31	0.02	3.09e-05	-0.16	0.0	1.06	0.45	-0.05	2.08e-04	0.02	-0.46
		-0.46	4.14e-03	6.49e-06	0.0	40.0	1.06	0.28	-0.05	2.08e-04	4.14e-03	-0.31
362	44	-0.25	0.03	3.05e-05	-0.16	0.0	0.87	0.59	-0.06	2.06e-04	0.03	-0.45
		-0.45	3.98e-03	8.22e-06	0.0	40.0	0.87	0.42	-0.06	2.06e-04	3.98e-03	-0.25
362	69	-0.35	3.11e-03	1.97e-05	-0.13	0.0	0.42	0.34	9.22e-03	1.67e-04	-5.79e-04	-0.46
		-0.46	-5.79e-04	5.09e-06	0.0	40.0	0.42	0.21	9.22e-03	1.67e-04	3.11e-03	-0.35
362	72	-0.22	3.46e-03	2.44e-05	-0.13	0.0	0.29	0.33	0.03	1.48e-04	-7.20e-03	-0.33
		-0.33	-7.20e-03	4.44e-06	0.0	40.0	0.29	0.20	0.03	1.48e-04	3.46e-03	-0.22
362	74	-0.18	3.35e-03	2.42e-05	-0.13	0.0	0.17	0.42	0.02	1.46e-04	-5.07e-03	-0.32
		-0.32	-5.07e-03	5.60e-06	0.0	40.0	0.17	0.30	0.02	1.46e-04	3.35e-03	-0.18
362	79	-0.11	0.02	2.61e-05	-0.13	0.0	0.49	0.46	-0.03	1.52e-04	0.02	-0.27
		-0.27	3.47e-03	6.35e-06	0.0	40.0	0.49	0.34	-0.03	1.52e-04	3.47e-03	-0.11
362	86	-0.23	0.02	2.43e-05	-0.13	0.0	0.79	0.34	-0.03	1.59e-04	0.02	-0.34
		-0.34	3.29e-03	4.86e-06	0.0	40.0	0.79	0.21	-0.03	1.59e-04	3.29e-03	-0.23
362	88	-0.19	0.02	2.40e-05	-0.13	0.0	0.66	0.43	-0.04	1.58e-04	0.02	-0.33
		-0.33	3.17e-03	6.02e-06	0.0	40.0	0.66	0.30	-0.04	1.58e-04	3.17e-03	-0.19
362	99	-0.21	8.89e-03	2.47e-05	-0.13	0.0	0.53	0.33	-0.01	1.60e-04	8.89e-03	-0.32
		-0.32	3.69e-03	4.93e-06	0.0	40.0	0.53	0.21	-0.01	1.60e-04	3.69e-03	-0.21
362	101	-0.18	0.01	2.45e-05	-0.13	0.0	0.42	0.41	-0.02	1.59e-04	0.01	-0.32
		-0.32	3.59e-03	5.92e-06	0.0	40.0	0.42	0.29	-0.02	1.59e-04	3.59e-03	-0.18
362	103	-0.16	7.47e-03	2.53e-05	-0.13	0.0	0.37	0.41	-9.62e-03	1.54e-04	7.47e-03	-0.29
		-0.29	3.62e-03	5.74e-06	0.0	40.0	0.37	0.28	-9.62e-03	1.54e-04	3.62e-03	-0.16

362	104	-0.18	0.01	2.60e-05	-0.13	0.0	0.57	0.33	-0.02	1.56e-04	0.01	-0.28
		-0.28	3.73e-03	4.79e-06	0.0	40.0	0.57	0.20	-0.02	1.56e-04	3.73e-03	-0.18
362	105	-0.14	0.01	2.58e-05	-0.13	0.0	0.47	0.41	-0.02	1.55e-04	0.01	-0.28
		-0.28	3.64e-03	5.78e-06	0.0	40.0	0.47	0.28	-0.02	1.55e-04	3.64e-03	-0.14
362	106	-0.18	8.85e-03	2.58e-05	-0.13	0.0	0.53	0.33	-0.01	1.57e-04	8.85e-03	-0.29
		-0.29	3.79e-03	4.83e-06	0.0	40.0	0.53	0.20	-0.01	1.57e-04	3.79e-03	-0.18
362	107	-0.15	0.01	2.56e-05	-0.13	0.0	0.42	0.41	-0.02	1.56e-04	0.01	-0.29
		-0.29	3.69e-03	5.82e-06	0.0	40.0	0.42	0.28	-0.02	1.56e-04	3.69e-03	-0.15
362	108	-1.51	-5.24e-04	-9.11e-05	-0.13	0.0	1.98	5.25	-0.02	6.40e-03	-5.24e-04	-3.59
		-3.59	-3.32e-03	2.14e-04	0.0	40.0	1.98	5.12	-0.02	6.40e-03	-3.32e-03	-1.51
362	111	3.01	0.02	1.42e-04	-0.13	0.0	-1.14	-4.43	-0.02	-6.09e-03	0.02	3.01
		1.22	0.01	-2.02e-04	0.0	40.0	-1.14	-4.56	-0.02	-6.09e-03	0.01	1.22
362	124	-1.33	3.00e-03	-7.40e-05	-0.13	0.0	-0.16	3.85	0.04	-7.67e-04	-0.02	-2.83
		-2.83	-0.02	2.84e-05	0.0	40.0	-0.16	3.73	0.04	-7.67e-04	3.00e-03	-1.33
362	127	2.26	0.04	1.25e-04	-0.13	0.0	1.00	-3.03	-0.08	1.08e-03	0.04	2.26
		1.03	4.38e-03	-1.68e-05	0.0	40.0	1.00	-3.16	-0.08	1.08e-03	4.38e-03	1.03
362	133	0.10	0.03	-4.05e-05	-0.13	0.0	3.13	3.82	-0.08	-7.35e-04	0.03	0.10
		-0.09	5.19e-03	4.65e-05	0.0	40.0	3.13	3.69	-0.08	-7.35e-04	5.19e-03	-0.09
362	134	-0.21	2.19e-03	9.16e-05	-0.13	0.0	-2.30	-3.00	0.04	1.05e-03	-0.01	-0.68
		-0.68	-0.01	-3.49e-05	0.0	40.0	-2.30	-3.12	0.04	1.05e-03	2.19e-03	-0.21
362	140	-1.69	-1.92e-03	-1.06e-04	-0.13	0.0	2.17	5.85	-0.02	7.19e-03	-1.92e-03	-4.00
		-4.00	-4.21e-03	2.40e-04	0.0	40.0	2.17	5.73	-0.02	7.19e-03	-4.21e-03	-1.69
362	143	3.42	0.02	1.57e-04	-0.13	0.0	-1.34	-5.03	-0.02	-6.87e-03	0.02	3.42
		1.39	0.01	-2.28e-04	0.0	40.0	-1.34	-5.16	-0.02	-6.87e-03	0.01	1.39
362	156	-1.47	2.92e-03	-8.63e-05	-0.13	0.0	-0.23	4.28	0.05	-8.88e-04	-0.02	-3.14
		-3.14	-0.02	3.09e-05	0.0	40.0	-0.23	4.15	0.05	-8.88e-04	2.92e-03	-1.47
362	159	2.57	0.04	1.37e-04	-0.13	0.0	1.07	-3.46	-0.08	1.20e-03	0.04	2.57
		1.18	4.46e-03	-1.93e-05	0.0	40.0	1.07	-3.58	-0.08	1.20e-03	4.46e-03	1.18
362	165	0.15	0.04	-4.88e-05	-0.13	0.0	3.47	4.24	-0.08	-8.53e-04	0.04	0.15
		-0.08	5.38e-03	5.13e-05	0.0	40.0	3.47	4.11	-0.08	-8.53e-04	5.38e-03	-0.08
362	166	-0.22	2.00e-03	9.99e-05	-0.13	0.0	-2.63	-3.42	0.05	1.17e-03	-0.01	-0.72
		-0.72	-0.01	-3.97e-05	0.0	40.0	-2.63	-3.55	0.05	1.17e-03	2.00e-03	-0.22
362	172	-1.61	-1.48e-03	-9.43e-05	-0.13	0.0	2.12	5.57	-0.02	7.00e-03	-1.48e-03	-3.80
		-3.80	-4.21e-03	2.35e-04	0.0	40.0	2.12	5.44	-0.02	7.00e-03	-4.21e-03	-1.61
362	175	3.23	0.02	1.45e-04	-0.13	0.0	-1.29	-4.75	-0.02	-6.69e-03	0.02	3.23
		1.31	0.01	-2.23e-04	0.0	40.0	-1.29	-4.87	-0.02	-6.69e-03	0.01	1.31
362	188	-1.43	2.94e-03	-8.19e-05	-0.13	0.0	-0.19	4.11	0.05	-9.11e-04	-0.02	-3.03
		-3.03	-0.02	2.66e-05	0.0	40.0	-0.19	3.98	0.05	-9.11e-04	2.94e-03	-1.43
362	191	2.46	0.04	1.33e-04	-0.13	0.0	1.02	-3.29	-0.08	1.22e-03	0.04	2.46
		1.13	4.44e-03	-1.49e-05	0.0	40.0	1.02	-3.41	-0.08	1.22e-03	4.44e-03	1.13
362	197	0.13	0.04	-4.68e-05	-0.13	0.0	3.41	4.07	-0.08	-8.80e-04	0.04	0.13
		-0.10	5.43e-03	4.65e-05	0.0	40.0	3.41	3.94	-0.08	-8.80e-04	5.43e-03	-0.10
362	198	-0.20	1.95e-03	9.79e-05	-0.13	0.0	-2.57	-3.25	0.05	1.19e-03	-0.01	-0.70
		-0.70	-0.01	-3.49e-05	0.0	40.0	-2.57	-3.37	0.05	1.19e-03	1.95e-03	-0.20
362	204	-1.82	-3.34e-03	-1.08e-04	-0.13	0.0	2.39	6.31	-0.02	8.10e-03	-3.34e-03	-4.31
		-4.31	-5.60e-03	2.72e-04	0.0	40.0	2.39	6.18	-0.02	8.10e-03	-5.60e-03	-1.82
362	207	3.74	0.02	1.60e-04	-0.13	0.0	-1.55	-5.49	-0.02	-7.79e-03	0.02	3.74
		1.52	0.01	-2.61e-04	0.0	40.0	-1.55	-5.61	-0.02	-7.79e-03	0.01	1.52
362	220	-1.63	2.84e-03	-9.74e-05	-0.13	0.0	-0.28	4.65	0.06	-1.14e-03	-0.02	-3.45
		-3.45	-0.02	2.77e-05	0.0	40.0	-0.28	4.53	0.06	-1.14e-03	2.84e-03	-1.63
362	223	2.88	0.05	1.49e-04	-0.13	0.0	1.11	-3.83	-0.09	1.45e-03	0.05	2.88
		1.33	4.54e-03	-1.61e-05	0.0	40.0	1.11	-3.96	-0.09	1.45e-03	4.54e-03	1.33
362	229	0.19	0.04	-5.74e-05	-0.13	0.0	3.88	4.61	-0.09	-1.10e-03	0.04	0.19
		-0.09	5.77e-03	5.12e-05	0.0	40.0	3.88	4.49	-0.09	-1.10e-03	5.77e-03	-0.09
362	230	-0.20	1.61e-03	1.09e-04	-0.13	0.0	-3.05	-3.79	0.06	1.42e-03	-0.02	-0.76
		-0.76	-0.02	-3.96e-05	0.0	40.0	-3.05	-3.92	0.06	1.42e-03	1.61e-03	-0.20
363	9	0.0	3.88e-03	8.23e-06	-0.16	0.0	0.91	1.32	-0.15	2.20e-04	3.88e-03	-0.50
		-0.50	-0.06	8.17e-06	0.0	40.0	0.91	1.16	-0.15	2.20e-04	-0.06	0.0
363	22	0.0	2.79e-03	1.30e-05	-0.13	0.0	0.36	0.76	-0.15	1.52e-04	2.79e-03	-0.28
		-0.28	-0.06	7.55e-06	0.0	40.0	0.36	0.64	-0.15	1.52e-04	-0.06	0.0
363	28	0.0	4.06e-03	2.61e-05	-0.16	0.0	1.13	0.69	-0.22	2.09e-04	4.06e-03	-0.24
		-0.24	-0.08	1.05e-05	0.0	40.0	1.13	0.52	-0.22	2.09e-04	-0.08	0.0
363	33	0.0	3.94e-03	1.28e-05	-0.16	0.0	1.37	1.17	-0.16	2.23e-04	3.94e-03	-0.44
		-0.44	-0.06	8.07e-06	0.0	40.0	1.37	1.01	-0.16	2.23e-04	-0.06	0.0
363	41	0.0	4.51e-03	3.08e-05	-0.16	0.0	1.58	0.58	-0.15	1.96e-04	4.51e-03	-0.20
		-0.20	-0.06	7.13e-06	0.0	40.0	1.58	0.42	-0.15	1.96e-04	-0.06	0.0
363	49	0.0	4.89e-03	2.73e-05	-0.16	0.0	1.19	0.69	-0.14	2.05e-04	4.89e-03	-0.24
		-0.24	-0.05	7.61e-06	0.0	40.0	1.19	0.53	-0.14	2.05e-04	-0.05	0.0
363	69	0.0	3.11e-03	8.70e-06	-0.13	0.0	0.74	0.94	-0.11	1.67e-04	3.11e-03	-0.35
		-0.35	-0.04	6.09e-06	0.0	40.0	0.74	0.81	-0.11	1.67e-04	-0.04	0.0
363	75	0.0	3.11e-03	1.55e-05	-0.13	0.0	0.54	0.69	-0.14	1.54e-04	3.11e-03	-0.25
		-0.25	-0.05	7.06e-06	0.0	40.0	0.54	0.57	-0.14	1.54e-04	-0.05	0.0
363	80	0.0	3.23e-03	2.06e-05	-0.13	0.0	0.89	0.52	-0.16	1.60e-04	3.23e-03	-0.18
		-0.18	-0.06	7.62e-06	0.0	40.0	0.89	0.39	-0.16	1.60e-04	-0.06	0.0
363	81	0.0	3.15e-03	1.18e-05	-0.13	0.0	1.05	0.84	-0.12	1.69e-04	3.15e-03	-0.31

		-0.31	-0.04	6.02e-06	0.0	40.0	1.05	0.72	-0.12	1.69e-04	-0.04	0.0
363	85	0.0	3.53e-03	2.37e-05	-0.13	0.0	1.19	0.45	-0.11	1.51e-04	3.53e-03	-0.15
		-0.15	-0.04	5.40e-06	0.0	40.0	1.19	0.32	-0.11	1.51e-04	-0.04	0.0
363	89	0.0	3.79e-03	2.14e-05	-0.13	0.0	0.93	0.52	-0.11	1.57e-04	3.79e-03	-0.18
		-0.18	-0.04	5.71e-06	0.0	40.0	0.93	0.39	-0.11	1.57e-04	-0.04	0.0
363	97	0.0	3.79e-03	2.14e-05	-0.13	0.0	0.93	0.52	-0.11	1.57e-04	3.79e-03	-0.18
		-0.18	-0.04	5.71e-06	0.0	40.0	0.93	0.39	-0.11	1.57e-04	-0.04	0.0
363	98	0.0	3.67e-03	2.38e-05	-0.13	0.0	0.80	0.42	-0.14	1.56e-04	3.67e-03	-0.14
		-0.14	-0.05	7.01e-06	0.0	40.0	0.80	0.29	-0.14	1.56e-04	-0.05	0.0
363	99	0.0	3.69e-03	1.92e-05	-0.13	0.0	0.92	0.59	-0.11	1.60e-04	3.69e-03	-0.21
		-0.21	-0.04	5.81e-06	0.0	40.0	0.92	0.47	-0.11	1.60e-04	-0.04	0.0
363	103	0.0	3.62e-03	2.29e-05	-0.13	0.0	0.77	0.45	-0.13	1.54e-04	3.62e-03	-0.16
		-0.16	-0.05	6.78e-06	0.0	40.0	0.77	0.33	-0.13	1.54e-04	-0.05	0.0
363	104	0.0	3.73e-03	2.19e-05	-0.13	0.0	0.98	0.50	-0.11	1.56e-04	3.73e-03	-0.18
		-0.18	-0.04	5.65e-06	0.0	40.0	0.98	0.38	-0.11	1.56e-04	-0.04	0.0
363	106	0.0	3.79e-03	2.14e-05	-0.13	0.0	0.93	0.52	-0.11	1.57e-04	3.79e-03	-0.18
		-0.18	-0.04	5.71e-06	0.0	40.0	0.93	0.39	-0.11	1.57e-04	-0.04	0.0
363	107	0.0	3.69e-03	2.34e-05	-0.13	0.0	0.82	0.43	-0.13	1.56e-04	3.69e-03	-0.15
		-0.15	-0.05	6.82e-06	0.0	40.0	0.82	0.31	-0.13	1.56e-04	-0.05	0.0
363	108	0.0	-3.32e-03	-5.33e-05	-0.13	0.0	0.90	3.85	-0.16	6.40e-03	-3.32e-03	-1.51
		-1.51	-0.07	2.14e-04	0.0	40.0	0.90	3.72	-0.16	6.40e-03	-0.07	0.0
363	111	1.22	0.01	1.00e-04	-0.13	0.0	0.74	-2.98	-0.11	-6.09e-03	0.01	1.22
		0.0	-0.03	-2.01e-04	0.0	40.0	0.74	-3.11	-0.11	-6.09e-03	-0.03	0.0
363	125	0.36	-1.04e-04	8.97e-05	-0.13	0.0	3.23	-0.84	-0.43	5.38e-03	-1.04e-04	0.36
		0.0	-0.17	1.19e-04	0.0	40.0	3.23	-0.96	-0.43	5.38e-03	-0.17	0.0
363	126	0.0	0.07	-4.29e-05	-0.13	0.0	-1.59	1.71	0.16	-5.07e-03	7.48e-03	-0.66
		-0.66	7.48e-03	-1.05e-04	0.0	40.0	-1.59	1.58	0.16	-5.07e-03	0.07	0.0
363	140	0.0	-4.21e-03	-6.26e-05	-0.13	0.0	0.91	4.28	-0.16	7.19e-03	-4.21e-03	-1.69
		-1.69	-0.07	2.41e-04	0.0	40.0	0.91	4.15	-0.16	7.19e-03	-0.07	0.0
363	143	1.39	0.01	1.09e-04	-0.13	0.0	0.73	-3.41	-0.11	-6.87e-03	0.01	1.39
		0.0	-0.03	-2.27e-04	0.0	40.0	0.73	-3.54	-0.11	-6.87e-03	-0.03	0.0
363	157	0.42	-5.90e-04	9.80e-05	-0.13	0.0	3.53	-1.00	-0.47	6.04e-03	-5.90e-04	0.42
		0.0	-0.19	1.33e-04	0.0	40.0	3.53	-1.12	-0.47	6.04e-03	-0.19	0.0
363	158	0.0	0.09	-5.11e-05	-0.13	0.0	-1.89	1.86	0.20	-5.73e-03	7.97e-03	-0.72
		-0.72	7.97e-03	-1.20e-04	0.0	40.0	-1.89	1.74	0.20	-5.73e-03	0.09	0.0
363	172	0.0	-4.21e-03	-4.86e-05	-0.13	0.0	0.92	4.08	-0.16	7.00e-03	-4.21e-03	-1.61
		-1.61	-0.07	2.35e-04	0.0	40.0	0.92	3.95	-0.16	7.00e-03	-0.07	0.0
363	175	1.31	0.01	9.55e-05	-0.13	0.0	0.72	-3.21	-0.11	-6.69e-03	0.01	1.31
		0.0	-0.03	-2.22e-04	0.0	40.0	0.72	-3.34	-0.11	-6.69e-03	-0.03	0.0
363	189	0.42	-6.24e-04	1.01e-04	-0.13	0.0	3.49	-1.00	-0.46	5.95e-03	-6.24e-04	0.42
		0.0	-0.18	1.35e-04	0.0	40.0	3.49	-1.12	-0.46	5.95e-03	-0.18	0.0
363	190	0.0	0.08	-5.40e-05	-0.13	0.0	-1.85	1.86	0.20	-5.64e-03	8.00e-03	-0.72
		-0.72	8.00e-03	-1.21e-04	0.0	40.0	-1.85	1.74	0.20	-5.64e-03	0.08	0.0
363	204	0.0	-5.60e-03	-5.26e-05	-0.13	0.0	0.95	4.60	-0.17	8.10e-03	-5.60e-03	-1.82
		-1.82	-0.07	2.73e-04	0.0	40.0	0.95	4.48	-0.17	8.10e-03	-0.07	0.0
363	207	1.52	0.01	9.94e-05	-0.13	0.0	0.69	-3.74	-0.10	-7.79e-03	0.01	1.52
		0.0	-0.03	-2.59e-04	0.0	40.0	0.69	-3.86	-0.10	-7.79e-03	-0.03	0.0
363	221	0.52	-1.42e-03	1.15e-04	-0.13	0.0	3.93	-1.24	-0.52	6.94e-03	-1.42e-03	0.52
		0.0	-0.21	1.59e-04	0.0	40.0	3.93	-1.37	-0.52	6.94e-03	-0.21	0.0
363	222	0.0	0.11	-6.86e-05	-0.13	0.0	-2.29	2.11	0.25	-6.63e-03	8.80e-03	-0.82
		-0.82	8.80e-03	-1.45e-04	0.0	40.0	-2.29	1.98	0.25	-6.63e-03	0.11	0.0
364	19	0.11	-3.47e-03	-2.77e-05	-0.13	0.0	0.29	0.33	0.15	0.01	-0.06	0.0
		0.0	-0.06	0.0	0.0	40.0	0.29	0.21	0.15	0.01	-3.47e-03	0.11
364	22	0.09	-6.86e-03	-6.07e-06	-0.13	0.0	7.33e-03	0.28	0.24	9.44e-03	-0.10	0.0
		0.0	-0.10	-1.42e-06	0.0	40.0	7.33e-03	0.16	0.24	9.44e-03	-6.86e-03	0.09
364	27	0.17	-4.56e-03	-1.40e-05	-0.16	0.0	0.72	0.50	0.36	-0.02	-0.15	0.0
		0.0	-0.15	-2.80e-06	0.0	40.0	0.72	0.34	0.36	-0.02	-4.56e-03	0.17
364	28	0.13	-5.28e-03	-7.59e-06	-0.16	0.0	0.63	0.40	0.37	-0.02	-0.15	0.0
		0.0	-0.15	-2.89e-06	0.0	40.0	0.63	0.24	0.37	-0.02	-5.28e-03	0.13
364	41	0.14	-5.54e-04	-3.65e-05	-0.16	0.0	1.16	0.43	0.25	-0.02	-0.10	0.0
		0.0	-0.10	-1.78e-06	0.0	40.0	1.16	0.27	0.25	-0.02	-5.54e-04	0.14
364	45	0.11	1.06e-04	-3.17e-05	-0.13	0.0	1.02	0.35	0.18	-0.02	-0.07	0.0
		0.0	-0.07	-1.48e-06	0.0	40.0	1.02	0.22	0.18	-0.02	1.06e-04	0.11
364	72	0.11	-2.68e-03	-2.66e-05	-0.13	0.0	0.39	0.33	0.16	6.07e-03	-0.07	0.0
		0.0	-0.07	0.0	0.0	40.0	0.39	0.20	0.16	6.07e-03	-2.68e-03	0.11
364	75	0.09	-4.94e-03	-1.22e-05	-0.13	0.0	0.19	0.30	0.22	3.96e-03	-0.09	0.0
		0.0	-0.09	-1.14e-06	0.0	40.0	0.19	0.17	0.22	3.96e-03	-4.94e-03	0.09
364	79	0.13	-2.96e-03	-1.42e-05	-0.13	0.0	0.58	0.38	0.26	-0.01	-0.11	0.0
		0.0	-0.11	-1.86e-06	0.0	40.0	0.58	0.26	0.26	-0.01	-2.96e-03	0.13
364	80	0.10	-3.45e-03	-9.96e-06	-0.13	0.0	0.52	0.32	0.26	-0.01	-0.11	0.0
		0.0	-0.11	-1.92e-06	0.0	40.0	0.52	0.19	0.26	-0.01	-3.45e-03	0.10
364	85	0.11	-2.95e-04	-2.93e-05	-0.13	0.0	0.87	0.34	0.18	-0.01	-0.07	0.0
		0.0	-0.07	-1.18e-06	0.0	40.0	0.87	0.21	0.18	-0.01	-2.95e-04	0.11
364	98	0.12	-2.40e-03	-1.78e-05	-0.13	0.0	0.48	0.37	0.22	-8.73e-03	-0.09	0.0
		0.0	-0.09	-1.10e-06	0.0	40.0	0.48	0.24	0.22	-8.73e-03	-2.40e-03	0.12

364	102	0.11	-1.04e-03	-2.76e-05	-0.13	0.0	0.57	0.33	0.17	-4.00e-03	-0.07	0.0
		0.0	-0.07	0.0	0.0	40.0	0.57	0.21	0.17	-4.00e-03	-1.04e-03	0.11
364	103	0.12	-2.56e-03	-1.89e-05	-0.13	0.0	0.46	0.36	0.21	-5.90e-03	-0.09	0.0
		0.0	-0.09	0.0	0.0	40.0	0.46	0.23	0.21	-5.90e-03	-2.56e-03	0.12
364	104	0.11	-5.59e-04	-2.82e-05	-0.13	0.0	0.67	0.33	0.17	-7.78e-03	-0.07	0.0
		0.0	-0.07	0.0	0.0	40.0	0.67	0.21	0.17	-7.78e-03	-5.59e-04	0.11
364	106	0.11	-6.25e-04	-2.79e-05	-0.13	0.0	0.62	0.33	0.17	-6.52e-03	-0.07	0.0
		0.0	-0.07	0.0	0.0	40.0	0.62	0.21	0.17	-6.52e-03	-6.25e-04	0.11
364	107	0.12	-2.15e-03	-1.92e-05	-0.13	0.0	0.50	0.36	0.22	-8.42e-03	-0.09	0.0
		0.0	-0.09	-1.00e-06	0.0	40.0	0.50	0.24	0.22	-8.42e-03	-2.15e-03	0.12
364	113	0.25	-6.63e-03	-6.64e-04	-0.13	0.0	-0.40	0.68	0.23	-9.27e-03	-0.09	0.0
		0.0	-0.09	2.06e-04	0.0	40.0	-0.40	0.56	0.23	-9.27e-03	-6.63e-03	0.25
364	114	2.05e-03	2.34e-03	6.26e-04	-0.13	0.0	1.41	0.04	0.21	-7.56e-03	-0.08	0.0
		-0.01	-0.08	-2.08e-04	0.0	40.0	1.41	-0.09	0.21	-7.56e-03	2.34e-03	-0.01
364	124	0.11	0.04	-1.92e-04	-0.13	0.0	-2.48	0.34	-0.10	8.41e-05	0.04	0.0
		0.0	-8.54e-04	3.05e-05	0.0	40.0	-2.48	0.22	-0.10	8.41e-05	-8.54e-04	0.11
364	127	0.13	-3.44e-03	1.54e-04	-0.13	0.0	3.49	0.38	0.53	-0.02	-0.22	0.0
		0.0	-0.22	-3.25e-05	0.0	40.0	3.49	0.25	0.53	-0.02	-3.44e-03	0.13
364	145	0.27	-7.19e-03	-7.45e-04	-0.13	0.0	-0.52	0.73	0.23	-9.38e-03	-0.09	0.0
		0.0	-0.09	2.33e-04	0.0	40.0	-0.52	0.60	0.23	-9.38e-03	-7.19e-03	0.27
364	146	0.0	2.90e-03	7.07e-04	-0.13	0.0	1.52	-4.38e-03	0.21	-7.46e-03	-0.08	0.0
		-0.03	-0.08	-2.35e-04	0.0	40.0	1.52	-0.13	0.21	-7.46e-03	2.90e-03	-0.03
364	156	0.11	0.06	-2.14e-04	-0.13	0.0	-2.85	0.34	-0.14	1.14e-03	0.06	0.0
		0.0	-7.03e-04	3.42e-05	0.0	40.0	-2.85	0.21	-0.14	1.14e-03	-7.03e-04	0.11
364	159	0.13	-3.59e-03	1.75e-04	-0.13	0.0	3.86	0.38	0.57	-0.02	-0.23	0.0
		0.0	-0.23	-3.62e-05	0.0	40.0	3.86	0.26	0.57	-0.02	-3.59e-03	0.13
364	177	0.26	-7.10e-03	-7.15e-04	-0.13	0.0	-0.43	0.71	0.23	-9.41e-03	-0.09	0.0
		0.0	-0.09	2.27e-04	0.0	40.0	-0.43	0.58	0.23	-9.41e-03	-7.10e-03	0.26
364	178	3.35e-04	2.81e-03	6.77e-04	-0.13	0.0	1.43	0.01	0.20	-7.42e-03	-0.08	0.0
		-0.02	-0.08	-2.29e-04	0.0	40.0	1.43	-0.11	0.20	-7.42e-03	2.81e-03	-0.02
364	188	0.11	0.05	-2.05e-04	-0.13	0.0	-2.78	0.34	-0.13	9.49e-04	0.05	0.0
		0.0	-8.68e-04	2.97e-05	0.0	40.0	-2.78	0.22	-0.13	9.49e-04	-8.68e-04	0.11
364	191	0.13	-3.42e-03	1.66e-04	-0.13	0.0	3.79	0.38	0.57	-0.02	-0.23	0.0
		0.0	-0.23	-3.17e-05	0.0	40.0	3.79	0.25	0.57	-0.02	-3.42e-03	0.13
364	209	0.28	-7.93e-03	-8.22e-04	-0.13	0.0	-0.54	0.76	0.23	-9.59e-03	-0.09	0.0
		0.0	-0.09	2.65e-04	0.0	40.0	-0.54	0.63	0.23	-9.59e-03	-7.93e-03	0.28
364	210	0.0	3.64e-03	7.83e-04	-0.13	0.0	1.55	-0.04	0.20	-7.24e-03	-0.08	0.0
		-0.04	-0.08	-2.67e-04	0.0	40.0	1.55	-0.16	0.20	-7.24e-03	3.64e-03	-0.04
364	220	0.11	0.08	-2.32e-04	-0.13	0.0	-3.30	0.34	-0.19	2.45e-03	0.08	0.0
		0.0	-7.18e-04	3.25e-05	0.0	40.0	-3.30	0.22	-0.19	2.45e-03	-7.18e-04	0.11
364	223	0.13	-3.57e-03	1.94e-04	-0.13	0.0	4.31	0.38	0.62	-0.02	-0.25	0.0
		0.0	-0.25	-3.45e-05	0.0	40.0	4.31	0.25	0.62	-0.02	-3.57e-03	0.13
365	3	0.37	-5.41e-05	-1.05e-05	-0.16	0.0	-0.67	0.60	0.02	-2.12e-03	-6.70e-03	0.16
		0.16	-6.70e-03	0.0	0.0	40.0	-0.67	0.44	0.02	-2.12e-03	-5.41e-05	0.37
365	12	0.21	-3.69e-03	-1.92e-05	-0.13	0.0	-0.43	0.51	-8.53e-03	5.35e-03	-3.69e-03	0.03
		0.03	-7.11e-03	0.0	0.0	40.0	-0.43	0.39	-8.53e-03	5.35e-03	-7.11e-03	0.21
365	18	0.34	-7.52e-03	-1.22e-05	-0.16	0.0	-0.76	0.64	-0.01	7.01e-03	-7.52e-03	0.11
		0.11	-0.01	0.0	0.0	40.0	-0.76	0.47	-0.01	7.01e-03	-0.01	0.34
365	19	0.26	-3.47e-03	-2.73e-05	-0.13	0.0	-0.42	0.44	-0.04	0.01	-3.47e-03	0.11
		0.11	-0.02	0.0	0.0	40.0	-0.42	0.31	-0.04	0.01	-0.02	0.26
365	44	0.33	0.03	-1.57e-05	-0.16	0.0	-0.19	0.61	0.08	-0.02	-3.94e-03	0.12
		0.12	-3.94e-03	-1.64e-06	0.0	40.0	-0.19	0.45	0.08	-0.02	0.03	0.33
365	45	0.26	0.02	-3.09e-05	-0.13	0.0	0.15	0.42	0.05	-0.02	1.06e-04	0.11
		0.11	1.06e-04	0.0	0.0	40.0	0.15	0.29	0.05	-0.02	0.02	0.26
365	67	0.28	9.32e-04	-1.17e-05	-0.13	0.0	-0.45	0.45	0.01	-2.12e-03	-4.39e-03	0.13
		0.13	-4.39e-03	0.0	0.0	40.0	-0.45	0.33	0.01	-2.12e-03	9.32e-04	0.28
365	69	0.23	-1.72e-03	-2.09e-05	-0.13	0.0	-0.36	0.49	2.76e-03	1.24e-03	-2.83e-03	0.05
		0.05	-2.83e-03	0.0	0.0	40.0	-0.36	0.36	2.76e-03	1.24e-03	-1.72e-03	0.23
365	72	0.26	-2.68e-03	-2.63e-05	-0.13	0.0	-0.35	0.44	-0.02	6.07e-03	-2.68e-03	0.11
		0.11	-8.81e-03	0.0	0.0	40.0	-0.35	0.32	-0.02	6.07e-03	-8.81e-03	0.26
365	75	0.26	-4.94e-03	-1.28e-05	-0.13	0.0	-0.51	0.48	-4.58e-03	3.96e-03	-4.94e-03	0.09
		0.09	-6.77e-03	0.0	0.0	40.0	-0.51	0.35	-4.58e-03	3.96e-03	-6.77e-03	0.26
365	85	0.26	0.02	-2.87e-05	-0.13	0.0	0.03	0.43	0.04	-0.01	-2.95e-04	0.11
		0.11	-2.95e-04	0.0	0.0	40.0	0.03	0.30	0.04	-0.01	0.02	0.26
365	88	0.26	0.02	-1.52e-05	-0.13	0.0	-0.13	0.46	0.05	-0.01	-2.55e-03	0.10
		0.10	-2.55e-03	0.0	0.0	40.0	-0.13	0.34	0.05	-0.01	0.02	0.26
365	98	0.27	0.01	-1.70e-05	-0.13	0.0	-0.29	0.44	0.03	-8.73e-03	-2.40e-03	0.12
		0.12	-2.40e-03	0.0	0.0	40.0	-0.29	0.32	0.03	-8.73e-03	0.01	0.27
365	99	0.25	8.56e-03	-2.63e-05	-0.13	0.0	-0.18	0.44	0.02	-6.48e-03	-8.19e-04	0.10
		0.10	-8.19e-04	0.0	0.0	40.0	-0.18	0.32	0.02	-6.48e-03	8.56e-03	0.25
365	103	0.27	6.75e-03	-1.82e-05	-0.13	0.0	-0.31	0.44	0.02	-5.90e-03	-2.56e-03	0.12
		0.12	-2.56e-03	0.0	0.0	40.0	-0.31	0.32	0.02	-5.90e-03	6.75e-03	0.27
365	104	0.26	0.01	-2.77e-05	-0.13	0.0	-0.13	0.43	0.03	-7.78e-03	-5.59e-04	0.11
		0.11	-5.59e-04	0.0	0.0	40.0	-0.13	0.31	0.03	-7.78e-03	0.01	0.26
365	105	0.27	0.01	-1.87e-05	-0.13	0.0	-0.23	0.44	0.04	-9.68e-03	-2.08e-03	0.12

		0.12	-2.08e-03	0.0	0.0	40.0	-0.23	0.32	0.04	-9.68e-03	0.01	0.27
365	106	0.26	8.53e-03	-2.75e-05	-0.13	0.0	-0.17	0.43	0.02	-6.52e-03	-6.25e-04	0.11
		0.11	-6.25e-04	0.0	0.0	40.0	-0.17	0.31	0.02	-6.52e-03	8.53e-03	0.26
365	107	0.27	0.01	-1.85e-05	-0.13	0.0	-0.27	0.44	0.03	-8.42e-03	-2.15e-03	0.12
		0.12	-2.15e-03	0.0	0.0	40.0	-0.27	0.32	0.03	-8.42e-03	0.01	0.27
365	113	0.36	9.20e-03	-5.77e-05	-0.13	0.0	-0.80	0.33	0.07	-9.27e-03	-6.63e-03	0.25
		0.25	-6.63e-03	2.08e-04	0.0	40.0	-0.80	0.20	0.07	-9.27e-03	9.20e-03	0.36
365	114	0.19	0.01	2.08e-05	-0.13	0.0	0.25	0.56	-8.48e-03	-7.56e-03	2.34e-03	-0.01
		-0.01	2.34e-03	-2.08e-04	0.0	40.0	0.25	0.44	-8.48e-03	-7.56e-03	0.01	0.19
365	124	0.32	-8.54e-04	-8.81e-06	-0.13	0.0	-2.41	0.46	-0.04	8.41e-05	-8.54e-04	0.11
		0.11	-0.02	2.96e-05	0.0	40.0	-2.41	0.34	-0.04	8.41e-05	-0.02	0.32
365	127	0.22	0.04	-2.81e-05	-0.13	0.0	1.86	0.42	0.10	-0.02	-3.44e-03	0.13
		0.13	-3.44e-03	-2.98e-05	0.0	40.0	1.86	0.30	0.10	-0.02	0.04	0.22
365	145	0.37	9.07e-03	-6.26e-05	-0.13	0.0	-0.86	0.31	0.08	-9.38e-03	-7.19e-03	0.27
		0.27	-7.19e-03	2.34e-04	0.0	40.0	-0.86	0.19	0.08	-9.38e-03	9.07e-03	0.37
365	146	0.18	0.01	2.57e-05	-0.13	0.0	0.31	0.58	-0.01	-7.46e-03	2.90e-03	-0.03
		-0.03	2.90e-03	-2.34e-04	0.0	40.0	0.31	0.45	-0.01	-7.46e-03	0.01	0.18
365	156	0.32	-7.03e-04	-7.56e-06	-0.13	0.0	-2.68	0.46	-0.04	1.14e-03	-7.03e-04	0.11
		0.11	-0.02	3.30e-05	0.0	40.0	-2.68	0.34	-0.04	1.14e-03	-0.02	0.32
365	159	0.22	0.04	-2.94e-05	-0.13	0.0	2.13	0.42	0.11	-0.02	-3.59e-03	0.13
		0.13	-3.59e-03	-3.31e-05	0.0	40.0	2.13	0.30	0.11	-0.02	0.04	0.22
365	177	0.36	9.40e-03	-6.12e-05	-0.13	0.0	-0.81	0.32	0.07	-9.41e-03	-7.10e-03	0.26
		0.26	-7.10e-03	2.29e-04	0.0	40.0	-0.81	0.19	0.07	-9.41e-03	9.40e-03	0.36
365	178	0.18	0.01	2.43e-05	-0.13	0.0	0.26	0.57	-0.01	-7.42e-03	2.81e-03	-0.02
		-0.02	2.81e-03	-2.29e-04	0.0	40.0	0.26	0.44	-0.01	-7.42e-03	0.01	0.18
365	188	0.32	-8.68e-04	-6.97e-06	-0.13	0.0	-2.63	0.46	-0.04	9.49e-04	-8.68e-04	0.11
		0.11	-0.02	2.86e-05	0.0	40.0	-2.63	0.34	-0.04	9.49e-04	-0.02	0.32
365	191	0.22	0.04	-3.00e-05	-0.13	0.0	2.08	0.42	0.11	-0.02	-3.42e-03	0.13
		0.13	-3.42e-03	-2.88e-05	0.0	40.0	2.08	0.30	0.11	-0.02	0.04	0.22
365	209	0.37	9.41e-03	-6.78e-05	-0.13	0.0	-0.88	0.30	0.08	-9.59e-03	-7.93e-03	0.28
		0.28	-7.93e-03	2.66e-04	0.0	40.0	-0.88	0.17	0.08	-9.59e-03	9.41e-03	0.37
365	210	0.17	0.01	3.09e-05	-0.13	0.0	0.33	0.59	-0.02	-7.24e-03	3.64e-03	-0.04
		-0.04	3.64e-03	-2.67e-04	0.0	40.0	0.33	0.46	-0.02	-7.24e-03	0.01	0.17
365	220	0.33	-7.18e-04	-4.65e-06	-0.13	0.0	-3.01	0.47	-0.06	2.45e-03	-7.18e-04	0.11
		0.11	-0.03	3.10e-05	0.0	40.0	-3.01	0.34	-0.06	2.45e-03	-0.03	0.33
365	223	0.22	0.05	-3.23e-05	-0.13	0.0	2.46	0.42	0.12	-0.02	-3.57e-03	0.13
		0.13	-3.57e-03	-3.12e-05	0.0	40.0	2.46	0.29	0.12	-0.02	0.05	0.22
365	224	0.32	-3.08e-04	-6.42e-06	-0.13	0.0	-2.99	0.48	-0.06	2.73e-03	-3.08e-04	0.10
		0.10	-0.03	4.07e-05	0.0	40.0	-2.99	0.35	-0.06	2.73e-03	-0.03	0.32
365	227	0.22	0.05	-3.05e-05	-0.13	0.0	2.45	0.41	0.12	-0.02	-3.98e-03	0.14
		0.14	-3.98e-03	-4.08e-05	0.0	40.0	2.45	0.28	0.12	-0.02	0.05	0.22
366	3	0.50	-5.41e-05	-3.54e-06	-0.16	0.0	-1.13	0.41	-0.25	-2.12e-03	-5.41e-05	0.37
		0.37	-0.10	1.14e-06	0.0	40.0	-1.13	0.25	-0.25	-2.12e-03	-0.10	0.50
366	18	0.48	-0.01	-5.62e-06	-0.16	0.0	-1.19	0.44	-0.40	7.01e-03	-0.01	0.34
		0.34	-0.17	1.59e-06	0.0	40.0	-1.19	0.28	-0.40	7.01e-03	-0.17	0.48
366	19	0.36	-0.02	-2.26e-05	-0.13	0.0	-0.78	0.32	-0.39	0.01	-0.02	0.26
		0.26	-0.18	1.79e-06	0.0	40.0	-0.78	0.20	-0.39	0.01	-0.18	0.36
366	36	0.33	0.06	-1.71e-05	-0.13	0.0	-0.49	0.37	0.10	-0.01	0.02	0.21
		0.21	0.02	0.0	0.0	40.0	-0.49	0.24	0.10	-0.01	0.06	0.33
366	44	0.47	0.09	-9.32e-06	-0.16	0.0	-0.71	0.43	0.17	-0.02	0.03	0.33
		0.33	0.03	0.0	0.0	40.0	-0.71	0.27	0.17	-0.02	0.09	0.47
366	45	0.36	0.09	-2.63e-05	-0.13	0.0	-0.30	0.31	0.18	-0.02	0.02	0.26
		0.26	0.02	0.0	0.0	40.0	-0.30	0.19	0.18	-0.02	0.09	0.36
366	67	0.38	9.32e-04	-6.46e-06	-0.13	0.0	-0.82	0.31	-0.17	-2.12e-03	9.32e-04	0.28
		0.28	-0.07	0.0	0.0	40.0	-0.82	0.19	-0.17	-2.12e-03	-0.07	0.38
366	72	0.36	-8.81e-03	-2.16e-05	-0.13	0.0	-0.72	0.32	-0.27	6.07e-03	-8.81e-03	0.26
		0.26	-0.12	1.49e-06	0.0	40.0	-0.72	0.20	-0.27	6.07e-03	-0.12	0.36
366	75	0.37	-6.77e-03	-7.85e-06	-0.13	0.0	-0.86	0.34	-0.27	3.96e-03	-6.77e-03	0.26
		0.26	-0.12	1.20e-06	0.0	40.0	-0.86	0.21	-0.27	3.96e-03	-0.12	0.37
366	81	0.34	0.04	-1.80e-05	-0.13	0.0	-0.53	0.35	0.06	-0.01	0.01	0.22
		0.22	0.01	0.0	0.0	40.0	-0.53	0.23	0.06	-0.01	0.04	0.34
366	85	0.36	0.06	-2.41e-05	-0.13	0.0	-0.40	0.32	0.11	-0.01	0.02	0.26
		0.26	0.02	0.0	0.0	40.0	-0.40	0.19	0.11	-0.01	0.06	0.36
366	88	0.36	0.06	-1.03e-05	-0.13	0.0	-0.54	0.33	0.11	-0.01	0.02	0.26
		0.26	0.02	0.0	0.0	40.0	-0.54	0.20	0.11	-0.01	0.06	0.36
366	98	0.37	0.01	-1.19e-05	-0.13	0.0	-0.68	0.31	-0.02	-8.73e-03	0.01	0.27
		0.27	3.21e-03	1.03e-06	0.0	40.0	-0.68	0.19	-0.02	-8.73e-03	3.21e-03	0.37
366	99	0.36	8.56e-03	-2.17e-05	-0.13	0.0	-0.58	0.33	-0.02	-6.48e-03	8.56e-03	0.25
		0.25	-2.47e-03	1.35e-06	0.0	40.0	-0.58	0.20	-0.02	-6.48e-03	2.47e-03	0.36
366	102	0.36	5.06e-03	-2.26e-05	-0.13	0.0	-0.60	0.32	-0.07	-4.00e-03	5.06e-03	0.26
		0.26	-0.02	1.34e-06	0.0	40.0	-0.60	0.19	-0.07	-4.00e-03	-0.02	0.36
366	103	0.37	6.75e-03	-1.32e-05	-0.13	0.0	-0.69	0.32	-0.07	-5.90e-03	6.75e-03	0.27
		0.27	-0.02	1.05e-06	0.0	40.0	-0.69	0.19	-0.07	-5.90e-03	-0.02	0.37
366	104	0.36	0.01	-2.31e-05	-0.13	0.0	-0.54	0.32	0.01	-7.78e-03	0.01	0.26
		0.26	0.01	1.22e-06	0.0	40.0	-0.54	0.19	0.01	-7.78e-03	0.01	0.36

366	105	0.37	0.01	-1.37e-05	-0.13	0.0	-0.63	0.31	7.57e-03	-9.68e-03	0.01	0.27
		0.27	0.01	0.0	0.0	40.0	-0.63	0.19	7.57e-03	-9.68e-03	0.01	0.37
366	106	0.36	8.53e-03	-2.28e-05	-0.13	0.0	-0.57	0.32	-0.02	-6.52e-03	8.53e-03	0.26
		0.26	2.44e-03	1.36e-06	0.0	40.0	-0.57	0.19	-0.02	-6.52e-03	2.44e-03	0.36
366	107	0.37	0.01	-1.35e-05	-0.13	0.0	-0.66	0.31	-0.02	-8.42e-03	0.01	0.27
		0.27	3.10e-03	1.08e-06	0.0	40.0	-0.66	0.19	-0.02	-8.42e-03	3.10e-03	0.37
366	114	0.33	0.02	2.61e-05	-0.13	0.0	-0.38	0.44	-0.14	-7.56e-03	0.01	0.19
		0.19	0.01	-2.08e-04	0.0	40.0	-0.38	0.31	-0.14	-7.56e-03	0.02	0.33
366	124	0.41	-0.02	-3.55e-06	-0.13	0.0	-2.24	0.21	-0.21	8.41e-05	-0.02	0.32
		0.32	-0.12	2.88e-05	0.0	40.0	-2.24	0.09	-0.21	8.41e-05	-0.12	0.41
366	127	0.33	0.13	-2.34e-05	-0.13	0.0	0.92	0.42	0.18	-0.02	0.04	0.22
		0.22	0.04	-2.66e-05	0.0	40.0	0.92	0.29	0.18	-0.02	0.13	0.33
366	128	0.41	-0.02	-4.27e-06	-0.13	0.0	-2.25	0.22	-0.21	2.38e-04	-0.02	0.31
		0.31	-0.12	3.20e-05	0.0	40.0	-2.25	0.09	-0.21	2.38e-04	-0.12	0.41
366	131	0.34	0.13	-2.26e-05	-0.13	0.0	0.92	0.41	0.18	-0.02	0.04	0.23
		0.23	0.04	-2.98e-05	0.0	40.0	0.92	0.29	0.18	-0.02	0.13	0.34
366	133	0.42	0.07	-2.91e-05	-0.13	0.0	0.02	0.23	0.16	-0.02	0.03	0.35
		0.35	0.03	3.75e-05	0.0	40.0	0.02	0.10	0.16	-0.02	0.07	0.42
366	146	0.33	0.02	3.11e-05	-0.13	0.0	-0.35	0.46	-0.15	-7.46e-03	0.01	0.18
		0.18	0.01	-2.34e-04	0.0	40.0	-0.35	0.33	-0.15	-7.46e-03	0.02	0.33
366	156	0.42	-0.02	-2.34e-06	-0.13	0.0	-2.44	0.20	-0.24	1.14e-03	-0.02	0.32
		0.32	-0.14	3.19e-05	0.0	40.0	-2.44	0.07	-0.24	1.14e-03	-0.14	0.42
366	159	0.33	0.15	-2.46e-05	-0.13	0.0	1.12	0.43	0.20	-0.02	0.04	0.22
		0.22	0.04	-2.98e-05	0.0	40.0	1.12	0.30	0.20	-0.02	0.15	0.33
366	160	0.41	-0.02	-3.09e-06	-0.13	0.0	-2.44	0.21	-0.24	1.32e-03	-0.02	0.32
		0.32	-0.14	3.57e-05	0.0	40.0	-2.44	0.08	-0.24	1.32e-03	-0.14	0.41
366	163	0.33	0.14	-2.38e-05	-0.13	0.0	1.12	0.42	0.20	-0.02	0.04	0.22
		0.22	0.04	-3.35e-05	0.0	40.0	1.12	0.30	0.20	-0.02	0.14	0.33
366	165	0.43	0.08	-3.10e-05	-0.13	0.0	0.10	0.22	0.18	-0.02	0.03	0.36
		0.36	0.03	4.18e-05	0.0	40.0	0.10	0.09	0.18	-0.02	0.08	0.43
366	178	0.33	0.02	2.96e-05	-0.13	0.0	-0.37	0.45	-0.15	-7.42e-03	0.01	0.18
		0.18	0.01	-2.29e-04	0.0	40.0	-0.37	0.32	-0.15	-7.42e-03	0.02	0.33
366	188	0.41	-0.02	-1.84e-06	-0.13	0.0	-2.41	0.21	-0.24	9.49e-04	-0.02	0.32
		0.32	-0.14	2.76e-05	0.0	40.0	-2.41	0.08	-0.24	9.49e-04	-0.14	0.41
366	191	0.33	0.14	-2.53e-05	-0.13	0.0	1.08	0.42	0.20	-0.02	0.04	0.22
		0.22	0.04	-2.54e-05	0.0	40.0	1.08	0.30	0.20	-0.02	0.14	0.33
366	197	0.43	0.08	-2.97e-05	-0.13	0.0	0.08	0.22	0.18	-0.02	0.03	0.36
		0.36	0.03	3.72e-05	0.0	40.0	0.08	0.10	0.18	-0.02	0.08	0.43
366	210	0.33	0.02	3.63e-05	-0.13	0.0	-0.33	0.47	-0.17	-7.24e-03	0.01	0.17
		0.17	0.01	-2.66e-04	0.0	40.0	-0.33	0.34	-0.17	-7.24e-03	0.02	0.33
366	220	0.42	-0.03	0.0	-0.13	0.0	-2.69	0.19	-0.27	2.45e-03	-0.03	0.33
		0.33	-0.16	2.96e-05	0.0	40.0	-2.69	0.06	-0.27	2.45e-03	-0.16	0.42
366	223	0.33	0.17	-2.76e-05	-0.13	0.0	1.36	0.44	0.24	-0.02	0.05	0.22
		0.22	0.05	-2.75e-05	0.0	40.0	1.36	0.32	0.24	-0.02	0.17	0.33
366	229	0.44	0.09	-3.19e-05	-0.13	0.0	0.19	0.21	0.21	-0.02	0.03	0.37
		0.37	0.03	4.13e-05	0.0	40.0	0.19	0.08	0.21	-0.02	0.09	0.44
367	3	0.60	0.03	1.03e-05	-0.24	0.0	-1.94	0.29	0.22	-2.12e-03	-0.10	0.50
		0.50	-0.10	-1.64e-05	0.0	60.0	-1.94	0.04	0.22	-2.12e-03	0.03	0.60
367	4	0.59	0.03	1.66e-05	-0.24	0.0	-2.11	0.30	0.22	-1.97e-03	-0.10	0.49
		0.49	-0.10	-1.65e-05	0.0	60.0	-2.11	0.05	0.22	-1.97e-03	0.03	0.59
367	19	0.45	0.05	-2.28e-05	-0.19	0.0	-0.77	0.25	0.38	0.01	-0.18	0.36
		0.36	-0.18	-2.84e-05	0.0	60.0	-0.77	0.06	0.38	0.01	0.05	0.45
367	36	0.43	0.06	-1.50e-05	-0.19	0.0	-0.55	0.27	-0.11	-0.01	0.06	0.33
		0.33	-0.01	1.03e-05	0.0	60.0	-0.55	0.08	-0.11	-0.01	-0.01	0.43
367	44	0.59	0.09	-2.09e-06	-0.24	0.0	-1.27	0.31	-0.19	-0.02	0.09	0.47
		0.47	-0.02	1.58e-05	0.0	60.0	-1.27	0.06	-0.19	-0.02	-0.02	0.59
367	45	0.45	0.09	-2.87e-05	-0.19	0.0	-0.10	0.25	-0.19	-0.02	0.09	0.36
		0.36	-0.02	1.59e-05	0.0	60.0	-0.10	0.06	-0.19	-0.02	-0.02	0.45
367	67	0.46	0.02	2.13e-06	-0.19	0.0	-1.31	0.22	0.15	-2.13e-03	-0.07	0.38
		0.38	-0.07	-1.06e-05	0.0	60.0	-1.31	0.04	0.15	-2.13e-03	0.02	0.46
367	68	0.46	0.02	6.30e-06	-0.19	0.0	-1.42	0.23	0.15	-2.03e-03	-0.07	0.37
		0.37	-0.07	-1.07e-05	0.0	60.0	-1.42	0.04	0.15	-2.03e-03	0.02	0.46
367	72	0.45	0.03	-2.13e-05	-0.19	0.0	-0.72	0.25	0.25	6.07e-03	-0.12	0.36
		0.36	-0.12	-1.82e-05	0.0	60.0	-0.72	0.06	0.25	6.07e-03	0.03	0.45
367	81	0.44	0.04	-1.61e-05	-0.19	0.0	-0.57	0.26	-0.08	-0.01	0.04	0.34
		0.34	-7.89e-03	7.61e-06	0.0	60.0	-0.57	0.07	-0.08	-0.01	-7.89e-03	0.44
367	85	0.45	0.06	-2.53e-05	-0.19	0.0	-0.27	0.25	-0.13	-0.01	0.06	0.36
		0.36	-0.01	1.14e-05	0.0	60.0	-0.27	0.06	-0.13	-0.01	-0.01	0.45
367	88	0.45	0.06	-4.57e-06	-0.19	0.0	-0.86	0.24	-0.13	-0.01	0.06	0.36
		0.36	-0.01	1.09e-05	0.0	60.0	-0.86	0.05	-0.13	-0.01	-0.01	0.45
367	98	0.46	3.21e-03	-6.44e-06	-0.19	0.0	-0.95	0.23	-1.38e-03	-8.74e-03	3.21e-03	0.37
		0.37	2.39e-03	1.88e-06	0.0	60.0	-0.95	0.04	-1.38e-03	-8.74e-03	2.39e-03	0.46
367	99	0.45	2.47e-03	-2.16e-05	-0.19	0.0	-0.51	0.25	-8.78e-04	-6.49e-03	2.47e-03	0.36
		0.36	1.94e-03	2.26e-06	0.0	60.0	-0.51	0.06	-8.78e-04	-6.49e-03	1.94e-03	0.45
367	102	0.45	8.52e-03	-2.29e-05	-0.19	0.0	-0.52	0.25	0.05	-4.01e-03	-0.02	0.36

		0.36	-0.02	-1.81e-06	0.0	60.0	-0.52	0.06	0.05	-4.01e-03	8.52e-03	0.45
367	104	0.45	0.01	-2.37e-05	-0.19	0.0	-0.43	0.25	-0.03	-7.78e-03	0.01	0.36
		0.36	-1.37e-03	4.10e-06	0.0	60.0	-0.43	0.06	-0.03	-7.78e-03	-1.37e-03	0.45
367	105	0.46	0.01	-9.16e-06	-0.19	0.0	-0.84	0.23	-0.03	-9.68e-03	0.01	0.37
		0.37	-9.76e-04	3.75e-06	0.0	60.0	-0.84	0.05	-0.03	-9.68e-03	-9.76e-04	0.46
367	106	0.45	2.44e-03	-2.33e-05	-0.19	0.0	-0.47	0.25	-8.61e-04	-6.53e-03	2.44e-03	0.36
		0.36	1.93e-03	2.28e-06	0.0	60.0	-0.47	0.06	-8.61e-04	-6.53e-03	1.93e-03	0.45
367	107	0.46	3.10e-03	-8.77e-06	-0.19	0.0	-0.88	0.23	-1.30e-03	-8.42e-03	3.10e-03	0.37
		0.37	2.32e-03	1.93e-06	0.0	60.0	-0.88	0.05	-1.30e-03	-8.42e-03	2.32e-03	0.46
367	124	0.41	0.04	5.95e-06	-0.19	0.0	-3.14	0.09	0.28	8.12e-05	-0.12	0.41
		0.35	-0.12	2.48e-05	0.0	60.0	-3.14	-0.10	0.28	8.12e-05	0.04	0.35
367	127	0.56	0.13	-2.35e-05	-0.19	0.0	1.38	0.38	-0.29	-0.02	0.13	0.33
		0.33	-0.03	-2.10e-05	0.0	60.0	1.38	0.19	-0.29	-0.02	-0.03	0.56
367	128	0.41	0.04	4.90e-06	-0.19	0.0	-3.15	0.10	0.28	2.35e-04	-0.12	0.41
		0.36	-0.12	2.95e-05	0.0	60.0	-3.15	-0.09	0.28	2.35e-04	0.04	0.36
367	131	0.56	0.13	-2.24e-05	-0.19	0.0	1.38	0.37	-0.29	-0.02	0.13	0.34
		0.34	-0.03	-2.56e-05	0.0	60.0	1.38	0.18	-0.29	-0.02	-0.03	0.56
367	134	0.51	0.04	1.40e-05	-0.19	0.0	-1.11	0.35	0.16	-6.53e-04	-0.07	0.32
		0.32	-0.07	-7.00e-05	0.0	60.0	-1.11	0.16	0.16	-6.53e-04	0.04	0.51
367	156	0.42	0.04	7.86e-06	-0.19	0.0	-3.42	0.07	0.32	1.14e-03	-0.14	0.42
		0.34	-0.14	2.72e-05	0.0	60.0	-3.42	-0.12	0.32	1.14e-03	0.04	0.34
367	159	0.57	0.15	-2.54e-05	-0.19	0.0	1.66	0.40	-0.32	-0.02	0.15	0.33
		0.33	-0.04	-2.33e-05	0.0	60.0	1.66	0.21	-0.32	-0.02	-0.04	0.57
367	166	0.52	0.04	1.68e-05	-0.19	0.0	-1.13	0.36	0.18	3.19e-04	-0.08	0.31
		0.31	-0.08	-7.86e-05	0.0	60.0	-1.13	0.17	0.18	3.19e-04	0.04	0.52
367	188	0.41	0.04	8.83e-06	-0.19	0.0	-3.36	0.08	0.31	9.46e-04	-0.14	0.41
		0.35	-0.14	2.09e-05	0.0	60.0	-3.36	-0.11	0.31	9.46e-04	0.04	0.35
367	191	0.57	0.14	-2.64e-05	-0.19	0.0	1.60	0.39	-0.32	-0.02	0.14	0.33
		0.33	-0.04	-1.70e-05	0.0	60.0	1.60	0.20	-0.32	-0.02	-0.04	0.57
367	198	0.51	0.04	1.49e-05	-0.19	0.0	-1.08	0.35	0.18	2.25e-04	-0.08	0.32
		0.32	-0.08	-7.12e-05	0.0	60.0	-1.08	0.17	0.18	2.25e-04	0.04	0.51
367	220	0.42	0.05	1.24e-05	-0.19	0.0	-3.75	0.05	0.37	2.45e-03	-0.16	0.42
		0.33	-0.16	2.05e-05	0.0	60.0	-3.75	-0.13	0.37	2.45e-03	0.05	0.33
367	223	0.58	0.17	-2.99e-05	-0.19	0.0	1.98	0.41	-0.37	-0.02	0.17	0.33
		0.33	-0.05	-1.66e-05	0.0	60.0	1.98	0.23	-0.37	-0.02	-0.05	0.58
367	230	0.52	0.04	1.80e-05	-0.19	0.0	-1.09	0.37	0.21	1.66e-03	-0.09	0.31
		0.31	-0.09	-8.04e-05	0.0	60.0	-1.09	0.18	0.21	1.66e-03	0.04	0.52
368	14	0.66	-0.08	2.59e-05	-0.09	0.0	-1.08	0.89	0.25	2.04e-03	-0.16	0.40
		0.40	-0.16	2.10e-06	0.0	30.0	-1.08	0.80	0.25	2.04e-03	-0.08	0.66
368	15	0.83	-0.13	2.05e-05	-0.12	0.0	-1.51	0.62	0.45	0.01	-0.27	0.66
		0.66	-0.27	2.97e-06	0.0	30.0	-1.51	0.50	0.45	0.01	-0.13	0.83
368	19	0.63	-0.13	1.46e-05	-0.09	0.0	-1.17	0.43	0.46	0.01	-0.27	0.52
		0.52	-0.27	2.51e-06	0.0	30.0	-1.17	0.33	0.46	0.01	-0.13	0.63
368	27	0.89	0.09	3.05e-05	-0.12	0.0	-1.47	1.07	-0.19	-0.02	0.09	0.59
		0.59	0.03	1.87e-06	0.0	30.0	-1.47	0.95	-0.19	-0.02	0.03	0.89
368	38	0.66	0.08	2.45e-05	-0.09	0.0	-1.07	0.87	-0.18	-0.01	0.08	0.42
		0.42	0.03	1.24e-06	0.0	30.0	-1.07	0.78	-0.18	-0.01	0.03	0.66
368	44	0.87	0.14	2.82e-05	-0.12	0.0	-1.43	0.99	-0.29	-0.02	0.14	0.59
		0.59	0.05	1.41e-06	0.0	30.0	-1.43	0.86	-0.29	-0.02	0.05	0.87
368	71	0.65	-0.06	2.25e-05	-0.09	0.0	-1.11	0.76	0.16	-9.72e-04	-0.11	0.44
		0.44	-0.11	2.04e-06	0.0	30.0	-1.11	0.67	0.16	-9.72e-04	-0.06	0.65
368	72	0.64	-0.09	1.50e-05	-0.09	0.0	-1.16	0.45	0.30	6.07e-03	-0.18	0.52
		0.52	-0.18	2.19e-06	0.0	30.0	-1.16	0.36	0.30	6.07e-03	-0.09	0.64
368	79	0.68	0.06	2.17e-05	-0.09	0.0	-1.13	0.75	-0.13	-0.01	0.06	0.47
		0.47	0.02	1.50e-06	0.0	30.0	-1.13	0.66	-0.13	-0.01	0.02	0.68
368	83	0.66	0.06	2.16e-05	-0.09	0.0	-1.10	0.75	-0.13	-0.01	0.06	0.45
		0.45	0.02	1.47e-06	0.0	30.0	-1.10	0.65	-0.13	-0.01	0.02	0.66
368	88	0.66	0.09	2.02e-05	-0.09	0.0	-1.11	0.70	-0.19	-0.01	0.09	0.47
		0.47	0.03	1.20e-06	0.0	30.0	-1.11	0.60	-0.19	-0.01	0.03	0.66
368	98	0.67	2.90e-03	1.97e-05	-0.09	0.0	-1.15	0.66	-0.03	-8.73e-03	2.90e-03	0.48
		0.48	-7.03e-03	1.94e-06	0.0	30.0	-1.15	0.57	-0.03	-8.73e-03	-7.03e-03	0.67
368	101	0.66	2.82e-03	1.94e-05	-0.09	0.0	-1.14	0.65	-0.03	-8.38e-03	2.82e-03	0.48
		0.48	-6.86e-03	1.94e-06	0.0	30.0	-1.14	0.56	-0.03	-8.38e-03	-6.86e-03	0.66
368	102	0.64	-0.02	1.44e-05	-0.09	0.0	-1.16	0.44	0.04	-4.00e-03	-0.03	0.52
		0.52	-0.03	1.99e-06	0.0	30.0	-1.16	0.35	0.04	-4.00e-03	-0.02	0.64
368	105	0.66	0.02	1.88e-05	-0.09	0.0	-1.15	0.63	-0.06	-9.67e-03	0.02	0.49
		0.49	1.56e-03	1.80e-06	0.0	30.0	-1.15	0.53	-0.06	-9.67e-03	1.56e-03	0.66
368	106	0.64	2.27e-03	1.42e-05	-0.09	0.0	-1.16	0.44	-0.03	-6.52e-03	2.27e-03	0.52
		0.52	-5.45e-03	1.94e-06	0.0	30.0	-1.16	0.35	-0.03	-6.52e-03	-5.45e-03	0.64
368	107	0.66	2.81e-03	1.90e-05	-0.09	0.0	-1.15	0.63	-0.03	-8.42e-03	2.81e-03	0.49
		0.49	-6.80e-03	1.94e-06	0.0	30.0	-1.15	0.54	-0.03	-8.42e-03	-6.80e-03	0.66
368	108	1.24	-0.05	2.50e-06	-0.09	0.0	0.58	4.74	-0.03	-4.39e-03	-0.09	-0.20
		-0.20	-0.09	1.56e-04	0.0	30.0	0.58	4.64	-0.03	-4.39e-03	-0.05	1.24
368	111	1.17	0.10	3.54e-05	-0.09	0.0	-2.88	-3.48	-0.03	-0.01	0.10	1.17
		0.08	0.04	-1.52e-04	0.0	30.0	-2.88	-3.57	-0.03	-0.01	0.04	0.08

368	113	1.28	-0.02	1.09e-06	-0.09	0.0	0.18	4.66	-0.18	-9.27e-03	-0.02	-6.54e-06
		-6.54e-06	-0.02	1.60e-04	0.0	30.0	0.18	4.57	-0.18	-9.27e-03	-0.02	1.28
368	124	1.01	-0.08	4.42e-06	-0.09	0.0	0.07	3.70	0.22	8.51e-05	-0.16	-0.12
		-0.12	-0.16	1.89e-05	0.0	30.0	0.07	3.61	0.22	8.51e-05	-0.08	1.01
368	127	1.09	0.16	3.35e-05	-0.09	0.0	-2.36	-2.44	-0.28	-0.02	0.16	1.09
		0.31	0.07	-1.50e-05	0.0	30.0	-2.36	-2.54	-0.28	-0.02	0.07	0.31
368	140	1.31	-0.06	0.0	-0.09	0.0	0.79	5.25	-0.03	-3.89e-03	-0.10	-0.29
		-0.29	-0.10	1.75e-04	0.0	30.0	0.79	5.16	-0.03	-3.89e-03	-0.06	1.31
368	143	1.26	0.11	3.76e-05	-0.09	0.0	-3.09	-3.99	-0.03	-0.01	0.11	1.26
		0.01	0.04	-1.71e-04	0.0	30.0	-3.09	-4.08	-0.03	-0.01	0.04	0.01
368	145	1.35	-0.02	-1.57e-06	-0.09	0.0	0.35	5.16	-0.19	-9.38e-03	-0.02	-0.06
		-0.06	-0.02	1.80e-04	0.0	30.0	0.35	5.07	-0.19	-9.38e-03	-0.02	1.35
368	156	1.06	-0.09	2.62e-06	-0.09	0.0	0.22	4.08	0.25	1.14e-03	-0.18	-0.19
		-0.19	-0.18	2.07e-05	0.0	30.0	0.22	3.99	0.25	1.14e-03	-0.09	1.06
368	159	1.17	0.18	3.53e-05	-0.09	0.0	-2.51	-2.82	-0.31	-0.02	0.18	1.17
		0.27	0.07	-1.68e-05	0.0	30.0	-2.51	-2.92	-0.31	-0.02	0.07	0.27
368	172	1.28	-0.06	-2.89e-06	-0.09	0.0	0.69	4.99	-0.03	-4.01e-03	-0.10	-0.24
		-0.24	-0.10	1.71e-04	0.0	30.0	0.69	4.89	-0.03	-4.01e-03	-0.06	1.28
368	175	1.21	0.11	4.08e-05	-0.09	0.0	-2.98	-3.73	-0.04	-0.01	0.11	1.21
		0.04	0.04	-1.67e-04	0.0	30.0	-2.98	-3.82	-0.04	-0.01	0.04	0.04
368	177	1.33	-0.02	-4.67e-06	-0.09	0.0	0.26	4.90	-0.19	-9.41e-03	-0.02	-0.02
		-0.02	-0.02	1.76e-04	0.0	30.0	0.26	4.80	-0.19	-9.41e-03	-0.02	1.33
368	188	1.04	-0.09	2.13e-06	-0.09	0.0	0.15	3.93	0.25	9.50e-04	-0.18	-0.17
		-0.17	-0.18	1.76e-05	0.0	30.0	0.15	3.84	0.25	9.50e-04	-0.09	1.04
368	191	1.14	0.18	3.58e-05	-0.09	0.0	-2.45	-2.67	-0.31	-0.02	0.18	1.14
		0.29	0.07	-1.37e-05	0.0	30.0	-2.45	-2.76	-0.31	-0.02	0.07	0.29
368	204	1.37	-0.06	-8.54e-06	-0.09	0.0	0.95	5.60	-0.03	-3.31e-03	-0.12	-0.34
		-0.34	-0.12	1.99e-04	0.0	30.0	0.95	5.51	-0.03	-3.31e-03	-0.06	1.37
368	207	1.31	0.12	4.65e-05	-0.09	0.0	-3.24	-4.34	-0.04	-0.01	0.12	1.31
		-0.05	0.05	-1.95e-04	0.0	30.0	-3.24	-4.43	-0.04	-0.01	0.05	-0.05
368	209	1.43	-0.02	-1.07e-05	-0.09	0.0	0.46	5.49	-0.21	-9.59e-03	-0.02	-0.09
		-0.09	-0.02	2.05e-04	0.0	30.0	0.46	5.40	-0.21	-9.59e-03	-0.02	1.43
368	220	1.09	-0.10	-1.17e-06	-0.09	0.0	0.34	4.42	0.29	2.45e-03	-0.21	-0.27
		-0.27	-0.21	1.84e-05	0.0	30.0	0.34	4.33	0.29	2.45e-03	-0.10	1.09
368	223	1.24	0.21	3.89e-05	-0.09	0.0	-2.64	-3.16	-0.36	-0.02	0.21	1.24
		0.23	0.09	-1.45e-05	0.0	30.0	-2.64	-3.25	-0.36	-0.02	0.09	0.23
369	12	0.76	-0.08	2.24e-05	-0.09	0.0	-2.00	0.53	-0.21	5.35e-03	-0.08	0.62
		0.62	-0.14	1.53e-06	0.0	30.0	-2.00	0.43	-0.21	5.35e-03	-0.14	0.76
369	17	1.11	-0.13	3.59e-05	-0.12	0.0	-2.93	0.87	-0.36	6.86e-03	-0.13	0.87
		0.87	-0.24	2.09e-06	0.0	30.0	-2.93	0.75	-0.36	6.86e-03	-0.24	1.11
369	19	0.74	-0.13	1.96e-05	-0.09	0.0	-2.18	0.39	-0.38	0.01	-0.13	0.63
		0.63	-0.24	2.02e-06	0.0	30.0	-2.18	0.30	-0.38	0.01	-0.24	0.74
369	28	1.18	0.08	3.95e-05	-0.12	0.0	-2.44	1.05	0.18	-0.02	0.08	0.88
		0.88	0.03	0.0	0.0	30.0	-2.44	0.93	0.18	-0.02	0.03	0.88
369	44	1.13	0.13	3.53e-05	-0.12	0.0	-2.25	0.92	0.26	-0.02	0.13	1.13
		0.87	0.05	0.0	0.0	30.0	-2.25	0.79	0.26	-0.02	0.05	0.87
369	46	0.75	0.13	1.90e-05	-0.09	0.0	-1.50	0.44	0.23	-0.02	0.13	0.75
		0.64	0.06	0.0	0.0	30.0	-1.50	0.35	0.23	-0.02	0.06	0.64
369	69	0.76	-0.06	2.19e-05	-0.09	0.0	-1.95	0.51	-0.13	1.24e-03	-0.06	0.63
		0.63	-0.10	1.38e-06	0.0	30.0	-1.95	0.41	-0.13	1.24e-03	-0.10	0.76
369	72	0.75	-0.09	2.00e-05	-0.09	0.0	-2.08	0.42	-0.24	6.07e-03	-0.09	0.64
		0.64	-0.16	1.66e-06	0.0	30.0	-2.08	0.32	-0.24	6.07e-03	-0.16	0.75
369	74	0.83	-0.09	2.60e-05	-0.09	0.0	-2.19	0.62	-0.23	3.86e-03	-0.09	0.66
		0.66	-0.16	1.53e-06	0.0	30.0	-2.19	0.52	-0.23	3.86e-03	-0.16	0.83
369	80	0.88	0.05	2.84e-05	-0.09	0.0	-1.87	0.74	0.12	-0.01	0.05	0.67
		0.67	0.02	0.0	0.0	30.0	-1.87	0.64	0.12	-0.01	0.02	0.67
369	86	0.76	0.09	1.96e-05	-0.09	0.0	-1.62	0.45	0.17	-0.01	0.09	0.64
		0.64	0.04	0.0	0.0	30.0	-1.62	0.36	0.17	-0.01	0.04	0.64
369	88	0.84	0.09	2.55e-05	-0.09	0.0	-1.74	0.65	0.17	-0.01	0.09	0.66
		0.66	0.03	0.0	0.0	30.0	-1.74	0.55	0.17	-0.01	0.03	0.66
369	98	0.84	4.35e-03	2.51e-05	-0.09	0.0	-1.95	0.61	0.04	-8.73e-03	-7.03e-03	0.67
		0.67	-7.03e-03	1.17e-06	0.0	30.0	-1.95	0.52	0.04	-8.73e-03	4.35e-03	0.84
369	99	0.75	3.32e-03	1.96e-05	-0.09	0.0	-1.84	0.43	0.03	-6.48e-03	-5.51e-03	0.64
		0.64	-5.51e-03	1.33e-06	0.0	30.0	-1.84	0.34	0.03	-6.48e-03	3.32e-03	0.75
369	102	0.75	-0.02	1.93e-05	-0.09	0.0	-1.89	0.41	-0.03	-4.00e-03	-0.02	0.64
		0.64	-0.03	1.37e-06	0.0	30.0	-1.89	0.32	-0.03	-4.00e-03	-0.03	0.75
369	103	0.82	-0.02	2.44e-05	-0.09	0.0	-1.98	0.59	-0.02	-5.90e-03	-0.02	0.66
		0.66	-0.03	1.21e-06	0.0	30.0	-1.98	0.49	-0.02	-5.90e-03	-0.03	0.82
369	104	0.75	0.02	1.90e-05	-0.09	0.0	-1.80	0.41	0.06	-7.78e-03	2.91e-03	0.64
		0.64	2.91e-03	1.21e-06	0.0	30.0	-1.80	0.32	0.06	-7.78e-03	0.02	0.75
369	105	0.82	0.02	2.41e-05	-0.09	0.0	-1.90	0.58	0.06	-9.67e-03	1.56e-03	0.66
		0.66	1.56e-03	1.06e-06	0.0	30.0	-1.90	0.49	0.06	-9.67e-03	0.02	0.82
369	106	0.75	3.22e-03	1.92e-05	-0.09	0.0	-1.84	0.41	0.03	-6.52e-03	-5.45e-03	0.64
		0.64	-5.45e-03	1.34e-06	0.0	30.0	-1.84	0.32	0.03	-6.52e-03	3.22e-03	0.75
369	107	0.82	4.19e-03	2.43e-05	-0.09	0.0	-1.94	0.58	0.04	-8.42e-03	-6.80e-03	0.66

		0.66	-6.80e-03	1.19e-06	0.0	30.0	-1.94	0.49	0.04	-8.42e-03	4.19e-03	0.82
369	113	2.47	0.10	4.48e-06	-0.09	0.0	-2.11	4.06	0.22	-9.27e-03	-0.02	1.28
		1.28	-0.02	1.59e-04	0.0	30.0	-2.11	3.96	0.22	-9.27e-03	0.10	2.47
369	114	0.05	6.52e-03	4.40e-05	-0.09	0.0	-1.76	-2.89	-0.14	-7.56e-03	6.52e-03	0.05
		-0.82	-0.09	-1.57e-04	0.0	30.0	-1.76	-2.98	-0.14	-7.56e-03	-0.09	-0.82
369	124	1.96	-0.08	1.13e-05	-0.09	0.0	-2.80	3.27	-0.19	8.51e-05	-0.08	1.01
		1.01	-0.12	1.82e-05	0.0	30.0	-2.80	3.18	-0.19	8.51e-05	-0.12	1.96
369	125	0.62	0.17	2.75e-05	-0.09	0.0	-1.28	-0.29	0.35	-0.02	0.05	0.62
		0.53	0.05	8.20e-05	0.0	30.0	-1.28	-0.39	0.35	-0.02	0.17	0.53
369	126	1.11	-0.06	2.10e-05	-0.09	0.0	-2.59	1.46	-0.27	-8.86e-04	-0.06	0.70
		0.70	-0.16	-7.97e-05	0.0	30.0	-2.59	1.37	-0.27	-8.86e-04	-0.16	1.11
369	127	0.31	0.13	3.72e-05	-0.09	0.0	-1.08	-2.11	0.27	-0.02	0.07	0.31
		-0.32	0.07	-1.58e-05	0.0	30.0	-1.08	-2.20	0.27	-0.02	0.13	-0.32
369	145	2.67	0.11	1.90e-06	-0.09	0.0	-2.13	4.49	0.24	-9.38e-03	-0.02	1.35
		1.35	-0.02	1.79e-04	0.0	30.0	-2.13	4.40	0.24	-9.38e-03	0.11	2.67
369	146	-0.03	8.19e-03	4.66e-05	-0.09	0.0	-1.74	-3.32	-0.17	-7.45e-03	8.19e-03	-0.03
		-1.03	-0.10	-1.77e-04	0.0	30.0	-1.74	-3.42	-0.17	-7.45e-03	-0.10	-1.03
369	156	2.10	-0.09	9.69e-06	-0.09	0.0	-2.91	3.61	-0.22	1.14e-03	-0.09	1.06
		1.06	-0.14	2.01e-05	0.0	30.0	-2.91	3.51	-0.22	1.14e-03	-0.14	2.10
369	157	0.62	0.19	2.78e-05	-0.09	0.0	-1.20	-0.40	0.38	-0.02	0.06	0.62
		0.50	0.06	9.25e-05	0.0	30.0	-1.20	-0.49	0.38	-0.02	0.19	0.50
369	158	1.15	-0.07	2.07e-05	-0.09	0.0	-2.67	1.57	-0.31	4.88e-05	-0.07	0.71
		0.71	-0.18	-9.01e-05	0.0	30.0	-2.67	1.47	-0.31	4.88e-05	-0.18	1.15
369	159	0.27	0.15	3.88e-05	-0.09	0.0	-0.97	-2.44	0.30	-0.02	0.07	0.27
		-0.46	0.07	-1.77e-05	0.0	30.0	-0.97	-2.53	0.30	-0.02	0.15	-0.46
369	177	2.58	0.10	-2.25e-06	-0.09	0.0	-2.13	4.26	0.23	-9.41e-03	-0.02	1.33
		1.33	-0.02	1.75e-04	0.0	30.0	-2.13	4.16	0.23	-9.41e-03	0.10	2.58
369	178	-3.33e-03	7.33e-03	4.91e-05	-0.09	0.0	-1.75	-3.09	-0.16	-7.42e-03	7.33e-03	-3.33e-03
		-0.93	-0.10	-1.73e-04	0.0	30.0	-1.75	-3.18	-0.16	-7.42e-03	-0.10	-0.93
369	188	2.04	-0.09	9.43e-06	-0.09	0.0	-2.89	3.47	-0.22	9.50e-04	-0.09	1.04
		1.04	-0.14	1.70e-05	0.0	30.0	-2.89	3.38	-0.22	9.50e-04	-0.14	2.04
369	189	0.62	0.19	2.66e-05	-0.09	0.0	-1.22	-0.39	0.38	-0.02	0.06	0.62
		0.50	0.06	9.37e-05	0.0	30.0	-1.22	-0.49	0.38	-0.02	0.19	0.50
369	190	1.14	-0.07	2.20e-05	-0.09	0.0	-2.66	1.56	-0.31	-1.04e-04	-0.07	0.70
		0.70	-0.18	-9.13e-05	0.0	30.0	-2.66	1.47	-0.31	-1.04e-04	-0.18	1.14
369	191	0.29	0.14	3.91e-05	-0.09	0.0	-0.99	-2.31	0.29	-0.02	0.07	0.29
		-0.40	0.07	-1.46e-05	0.0	30.0	-0.99	-2.40	0.29	-0.02	0.14	-0.40
369	209	2.83	0.12	-6.55e-06	-0.09	0.0	-2.16	4.77	0.27	-9.59e-03	-0.02	1.43
		1.43	-0.02	2.04e-04	0.0	30.0	-2.16	4.67	0.27	-9.59e-03	0.12	2.83
369	210	-0.10	9.43e-03	5.49e-05	-0.09	0.0	-1.72	-3.60	-0.19	-7.24e-03	9.43e-03	-0.10
		-1.18	-0.11	-2.01e-04	0.0	30.0	-1.72	-3.69	-0.19	-7.24e-03	-0.11	-1.18
369	220	2.22	-0.10	6.78e-06	-0.09	0.0	-3.04	3.90	-0.26	2.45e-03	-0.10	1.09
		1.09	-0.16	1.78e-05	0.0	30.0	-3.04	3.81	-0.26	2.45e-03	-0.16	2.22
369	221	0.62	0.22	2.62e-05	-0.09	0.0	-1.10	-0.56	0.44	-0.02	0.07	0.62
		0.45	0.07	1.11e-04	0.0	30.0	-1.10	-0.65	0.44	-0.02	0.22	0.45
369	222	1.19	-0.08	2.24e-05	-0.09	0.0	-2.78	1.73	-0.36	1.23e-03	-0.08	0.71
		0.71	-0.21	-1.08e-04	0.0	30.0	-2.78	1.63	-0.36	1.23e-03	-0.21	1.19
369	223	0.23	0.17	4.18e-05	-0.09	0.0	-0.84	-2.73	0.34	-0.02	0.09	0.23
		-0.58	0.09	-1.54e-05	0.0	30.0	-0.84	-2.83	0.34	-0.02	0.17	-0.58
370	4	1.18	0.10	1.33e-04	-0.24	0.0	-5.57	-0.43	0.41	-1.97e-03	-0.14	1.18
		0.84	-0.14	-1.87e-05	0.0	60.0	-5.57	-0.68	0.41	-1.97e-03	0.10	0.84
370	18	1.12	0.17	1.22e-04	-0.24	0.0	-5.41	-0.39	0.68	7.01e-03	-0.24	1.12
		0.82	-0.24	-3.41e-05	0.0	60.0	-5.41	-0.63	0.68	7.01e-03	0.17	0.82
370	19	0.74	0.16	6.55e-05	-0.19	0.0	-3.52	-0.18	0.68	0.01	-0.24	0.74
		0.58	-0.24	-3.50e-05	0.0	60.0	-3.52	-0.36	0.68	0.01	0.16	0.58
370	20	0.75	0.16	7.05e-05	-0.19	0.0	-3.61	-0.20	0.68	0.01	-0.24	0.75
		0.57	-0.24	-3.50e-05	0.0	60.0	-3.61	-0.39	0.68	0.01	0.16	0.57
370	28	1.18	0.08	1.30e-04	-0.24	0.0	-5.21	-0.42	-0.21	-0.02	0.08	1.18
		0.86	-0.04	1.48e-05	0.0	60.0	-5.21	-0.66	-0.21	-0.02	-0.04	0.86
370	45	0.74	0.13	6.03e-05	-0.19	0.0	-2.92	-0.15	-0.34	-0.02	0.13	0.74
		0.59	-0.08	2.09e-05	0.0	60.0	-2.92	-0.34	-0.34	-0.02	-0.08	0.59
370	68	0.88	0.07	9.56e-05	-0.19	0.0	-4.10	-0.31	0.27	-2.03e-03	-0.09	0.88
		0.64	-0.09	-1.20e-05	0.0	60.0	-4.10	-0.49	0.27	-2.03e-03	0.07	0.64
370	72	0.75	0.11	6.70e-05	-0.19	0.0	-3.47	-0.18	0.45	6.07e-03	-0.16	0.75
		0.58	-0.16	-2.21e-05	0.0	60.0	-3.47	-0.37	0.45	6.07e-03	0.11	0.58
370	73	0.76	0.11	7.03e-05	-0.19	0.0	-3.53	-0.20	0.45	6.17e-03	-0.16	0.76
		0.58	-0.16	-2.22e-05	0.0	60.0	-3.53	-0.38	0.45	6.17e-03	0.11	0.58
370	75	0.84	0.11	8.86e-05	-0.19	0.0	-4.00	-0.28	0.45	3.96e-03	-0.16	0.84
		0.62	-0.16	-2.22e-05	0.0	60.0	-4.00	-0.46	0.45	3.96e-03	0.11	0.62
370	80	0.88	0.05	9.35e-05	-0.19	0.0	-3.86	-0.30	-0.14	-0.01	0.05	0.88
		0.65	-0.03	1.03e-05	0.0	60.0	-3.86	-0.48	-0.14	-0.01	-0.03	0.65
370	85	0.75	0.09	6.35e-05	-0.19	0.0	-3.06	-0.17	-0.23	-0.01	0.09	0.75
		0.59	-0.05	1.51e-05	0.0	60.0	-3.06	-0.35	-0.23	-0.01	-0.05	0.59
370	98	0.84	4.35e-03	8.33e-05	-0.19	0.0	-3.70	-0.25	-1.93e-03	-8.74e-03	4.35e-03	0.84
		0.63	3.19e-03	3.42e-06	0.0	60.0	-3.70	-0.44	-1.93e-03	-8.74e-03	3.19e-03	0.63

370	102	0.75	0.02	6.55e-05	-0.19	0.0	-3.28	-0.17	0.09	-4.01e-03	-0.03	0.75
		0.59	-0.03	-1.63e-06	0.0	60.0	-3.28	-0.36	0.09	-4.01e-03	0.02	0.59
370	103	0.82	0.02	8.11e-05	-0.19	0.0	-3.68	-0.24	0.09	-5.91e-03	-0.03	0.82
		0.62	-0.03	-1.70e-06	0.0	60.0	-3.68	-0.43	0.09	-5.91e-03	0.02	0.62
370	104	0.75	0.02	6.48e-05	-0.19	0.0	-3.19	-0.17	-0.05	-7.79e-03	0.02	0.75
		0.59	-8.31e-03	5.82e-06	0.0	60.0	-3.19	-0.36	-0.05	-7.79e-03	-8.31e-03	0.59
370	106	0.75	3.22e-03	6.51e-05	-0.19	0.0	-3.23	-0.17	-1.33e-03	-6.53e-03	3.22e-03	0.75
		0.59	2.42e-03	3.50e-06	0.0	60.0	-3.23	-0.36	-1.33e-03	-6.53e-03	2.42e-03	0.59
370	107	0.82	4.19e-03	8.07e-05	-0.19	0.0	-3.63	-0.24	-1.85e-03	-8.42e-03	4.19e-03	0.82
		0.62	3.08e-03	3.43e-06	0.0	60.0	-3.63	-0.43	-1.85e-03	-8.42e-03	3.08e-03	0.62
370	108	2.45	0.06	3.66e-05	-0.19	0.0	-5.59	-2.06	-0.05	-4.40e-03	0.03	2.45
		1.17	0.03	3.13e-04	0.0	60.0	-5.59	-2.24	-0.05	-4.40e-03	0.06	1.17
370	111	0.08	-0.02	1.25e-04	-0.19	0.0	-1.67	1.57	0.05	-0.01	-0.02	-0.81
		-0.81	-0.05	-3.07e-04	0.0	60.0	-1.67	1.39	0.05	-0.01	-0.05	0.08
370	113	2.47	0.10	3.12e-05	-0.19	0.0	-4.99	-2.03	-0.23	-9.28e-03	0.10	2.47
		1.19	0.02	3.35e-04	0.0	60.0	-4.99	-2.22	-0.23	-9.28e-03	0.02	1.19
370	114	0.05	-0.01	1.30e-04	-0.19	0.0	-2.27	1.55	0.23	-7.57e-03	-0.09	-0.82
		-0.82	-0.09	-3.28e-04	0.0	60.0	-2.27	1.37	0.23	-7.57e-03	-0.01	0.05
370	125	0.56	0.17	3.34e-05	-0.19	0.0	-3.01	0.15	-0.41	-0.02	0.17	0.53
		0.53	-0.06	1.92e-04	0.0	60.0	-3.01	-0.04	-0.41	-0.02	-0.06	0.56
370	126	1.11	0.07	1.28e-04	-0.19	0.0	-4.25	-0.63	0.41	-8.99e-04	-0.16	1.11
		0.68	-0.16	-1.85e-04	0.0	60.0	-4.25	-0.82	0.41	-8.99e-04	0.07	0.68
370	140	2.66	0.06	3.11e-05	-0.19	0.0	-5.84	-2.28	-0.06	-3.90e-03	0.03	2.66
		1.23	0.03	3.52e-04	0.0	60.0	-5.84	-2.47	-0.06	-3.90e-03	0.06	1.23
370	143	0.01	-0.02	1.30e-04	-0.19	0.0	-1.42	1.80	0.05	-0.01	-0.02	-1.01
		-1.01	-0.06	-3.45e-04	0.0	60.0	-1.42	1.61	0.05	-0.01	-0.06	0.01
370	145	2.67	0.11	2.51e-05	-0.19	0.0	-5.16	-2.26	-0.26	-9.39e-03	0.11	2.67
		1.27	0.02	3.76e-04	0.0	60.0	-5.16	-2.45	-0.26	-9.39e-03	0.02	1.27
370	146	-0.02	-0.02	1.36e-04	-0.19	0.0	-2.10	1.78	0.25	-7.46e-03	-0.10	-1.03
		-1.03	-0.10	-3.70e-04	0.0	60.0	-2.10	1.59	0.25	-7.46e-03	-0.02	-0.02
370	157	0.55	0.19	2.74e-05	-0.19	0.0	-2.93	0.19	-0.47	-0.02	0.19	0.50
		0.50	-0.07	2.16e-04	0.0	60.0	-2.93	5.93e-03	-0.47	-0.02	-0.07	0.55
370	158	1.15	0.08	1.34e-04	-0.19	0.0	-4.33	-0.68	0.46	3.58e-05	-0.18	1.15
		0.69	-0.18	-2.10e-04	0.0	60.0	-4.33	-0.86	0.46	3.58e-05	0.08	0.69
370	172	2.56	0.06	3.57e-05	-0.19	0.0	-5.72	-2.17	-0.05	-4.01e-03	0.03	2.56
		1.20	0.03	3.44e-04	0.0	60.0	-5.72	-2.36	-0.05	-4.01e-03	0.06	1.20
370	175	0.04	-0.02	1.26e-04	-0.19	0.0	-1.54	1.69	0.05	-0.01	-0.02	-0.91
		-0.91	-0.06	-3.38e-04	0.0	60.0	-1.54	1.50	0.05	-0.01	-0.06	0.04
370	177	2.58	0.10	2.99e-05	-0.19	0.0	-5.07	-2.15	-0.25	-9.42e-03	0.10	2.58
		1.23	0.02	3.68e-04	0.0	60.0	-5.07	-2.34	-0.25	-9.42e-03	0.02	1.23
370	178	0.01	-0.02	1.32e-04	-0.19	0.0	-2.19	1.67	0.25	-7.43e-03	-0.10	-0.93
		-0.93	-0.10	-3.61e-04	0.0	60.0	-2.19	1.48	0.25	-7.43e-03	-0.02	0.01
370	189	0.56	0.19	2.83e-05	-0.19	0.0	-2.93	0.19	-0.46	-0.02	0.19	0.50
		0.50	-0.07	2.18e-04	0.0	60.0	-2.93	6.67e-04	-0.46	-0.02	-0.07	0.56
370	190	1.14	0.07	1.33e-04	-0.19	0.0	-4.33	-0.67	0.46	-1.17e-04	-0.18	1.14
		0.69	-0.18	-2.11e-04	0.0	60.0	-4.33	-0.86	0.46	-1.17e-04	0.07	0.69
370	204	2.81	0.07	3.03e-05	-0.19	0.0	-6.02	-2.44	-0.06	-3.32e-03	0.03	2.81
		1.29	0.03	4.00e-04	0.0	60.0	-6.02	-2.63	-0.06	-3.32e-03	0.07	1.29
370	207	-0.04	-0.02	1.31e-04	-0.19	0.0	-1.24	1.96	0.06	-0.01	-0.02	-1.16
		-1.16	-0.06	-3.93e-04	0.0	60.0	-1.24	1.78	0.06	-0.01	-0.06	-0.04
370	209	2.83	0.12	2.37e-05	-0.19	0.0	-5.27	-2.42	-0.29	-9.60e-03	0.12	2.83
		1.32	0.03	4.28e-04	0.0	60.0	-5.27	-2.61	-0.29	-9.60e-03	0.03	1.32
370	210	-0.08	-0.02	1.38e-04	-0.19	0.0	-1.99	1.94	0.28	-7.25e-03	-0.11	-1.18
		-1.18	-0.11	-4.21e-04	0.0	60.0	-1.99	1.75	0.28	-7.25e-03	-0.02	-0.08
370	221	0.55	0.22	1.99e-05	-0.19	0.0	-2.81	0.26	-0.53	-0.02	0.22	0.45
		0.45	-0.08	2.58e-04	0.0	60.0	-2.81	0.07	-0.53	-0.02	-0.08	0.55
370	222	1.19	0.09	1.42e-04	-0.19	0.0	-4.45	-0.74	0.53	1.22e-03	-0.21	1.19
		0.70	-0.21	-2.51e-04	0.0	60.0	-4.45	-0.93	0.53	1.22e-03	0.09	0.70
371	4	-0.80	0.03	9.24e-05	-0.23	0.0	-0.46	1.30	0.23	-0.02	-0.10	-1.47
		-1.47	-0.10	9.60e-06	0.0	56.0	-0.46	1.07	0.23	-0.02	0.03	-0.80
371	15	-0.58	0.02	7.86e-05	-0.23	0.0	-0.65	0.85	0.35	-0.08	-0.18	-0.99
		-0.99	-0.18	8.28e-06	0.0	56.0	-0.65	0.62	0.35	-0.08	0.02	-0.58
371	19	-0.43	0.01	5.88e-05	-0.18	0.0	-0.54	0.61	0.34	-0.09	-0.18	-0.73
		-0.73	-0.18	6.37e-06	0.0	56.0	-0.54	0.44	0.34	-0.09	0.01	-0.43
371	38	-0.61	0.07	6.96e-05	-0.18	0.0	-0.23	0.95	-0.07	0.07	0.07	-1.10
		-1.10	0.03	5.75e-06	0.0	56.0	-0.23	0.78	-0.07	0.07	0.03	-0.61
371	44	-0.64	0.10	9.05e-05	-0.23	0.0	-0.41	1.17	-0.13	0.10	0.10	-1.23
		-1.23	0.03	6.69e-06	0.0	56.0	-0.41	0.94	-0.13	0.10	0.03	-0.64
371	45	-0.29	0.10	6.18e-05	-0.18	0.0	-0.43	0.61	-0.14	0.08	0.10	-0.58
		-0.58	0.02	3.59e-06	0.0	56.0	-0.43	0.43	-0.14	0.08	0.02	-0.29
371	68	-0.57	0.02	6.93e-05	-0.18	0.0	-0.38	0.94	0.15	-0.01	-0.06	-1.05
		-1.05	-0.06	7.09e-06	0.0	56.0	-0.38	0.76	0.15	-0.01	0.02	-0.57
371	72	-0.42	0.01	6.01e-05	-0.18	0.0	-0.50	0.64	0.23	-0.05	-0.12	-0.73
		-0.73	-0.12	6.21e-06	0.0	56.0	-0.50	0.46	0.23	-0.05	0.01	-0.42
371	83	-0.54	0.05	6.73e-05	-0.18	0.0	-0.30	0.86	-0.04	0.05	0.05	-0.98

		-0.98	0.02	5.80e-06	0.0	56.0	-0.30	0.69	-0.04	0.05	0.02	-0.54
371	85	-0.33	0.07	6.21e-05	-0.18	0.0	-0.44	0.63	-0.09	0.06	0.07	-0.63
		-0.63	0.02	4.36e-06	0.0	56.0	-0.44	0.46	-0.09	0.06	0.02	-0.33
371	88	-0.46	0.07	6.81e-05	-0.18	0.0	-0.34	0.85	-0.08	0.07	0.07	-0.89
		-0.89	0.02	5.15e-06	0.0	56.0	-0.34	0.67	-0.08	0.07	0.02	-0.46
371	101	-0.46	0.02	6.66e-05	-0.18	0.0	-0.41	0.81	0.02	0.03	7.97e-03	-0.86
		-0.86	7.97e-03	6.33e-06	0.0	56.0	-0.41	0.63	0.02	0.03	0.02	-0.46
371	102	-0.38	0.02	6.10e-05	-0.18	0.0	-0.47	0.63	0.06	7.29e-03	-0.02	-0.69
		-0.69	-0.02	5.81e-06	0.0	56.0	-0.47	0.46	0.06	7.29e-03	0.02	-0.38
371	104	-0.36	0.02	6.14e-05	-0.18	0.0	-0.46	0.63	-4.46e-03	0.03	0.02	-0.67
		-0.67	0.02	5.44e-06	0.0	56.0	-0.46	0.46	-4.46e-03	0.03	0.02	-0.36
371	105	-0.43	0.02	6.69e-05	-0.18	0.0	-0.42	0.80	-8.21e-04	0.04	0.02	-0.83
		-0.83	0.02	6.02e-06	0.0	56.0	-0.42	0.63	-8.21e-04	0.04	0.02	-0.43
371	106	-0.37	0.02	6.12e-05	-0.18	0.0	-0.46	0.63	0.02	0.02	6.08e-03	-0.67
		-0.67	6.08e-03	5.70e-06	0.0	56.0	-0.46	0.46	0.02	0.02	0.02	-0.37
371	107	-0.44	0.02	6.68e-05	-0.18	0.0	-0.43	0.80	0.02	0.03	7.82e-03	-0.84
		-0.84	7.82e-03	6.29e-06	0.0	56.0	-0.43	0.63	0.02	0.03	0.02	-0.44
371	108	-2.52	0.03	4.15e-05	-0.18	0.0	2.84	4.02	0.17	0.05	0.03	-4.70
		-4.70	0.03	2.92e-04	0.0	56.0	2.84	3.85	0.17	0.05	0.03	-2.52
371	111	3.03	0.01	9.20e-05	-0.18	0.0	-3.69	-2.41	-0.13	2.91e-03	-0.02	3.03
		1.64	-0.02	-2.80e-04	0.0	56.0	-3.69	-2.59	-0.13	2.91e-03	0.01	1.64
371	125	0.29	0.17	1.36e-04	-0.18	0.0	-1.39	0.28	-0.15	0.09	0.17	0.17
		0.17	0.05	1.67e-04	0.0	56.0	-1.39	0.10	-0.15	0.09	0.05	0.29
371	126	-1.17	-0.01	3.51e-06	-0.18	0.0	0.53	1.33	0.20	-0.03	-0.15	-1.85
		-1.85	-0.15	-1.54e-04	0.0	56.0	0.53	1.16	0.20	-0.03	-0.01	-1.17
371	140	-2.77	0.03	3.83e-05	-0.18	0.0	3.24	4.42	0.19	0.06	0.03	-5.19
		-5.19	0.03	3.28e-04	0.0	56.0	3.24	4.25	0.19	0.06	0.03	-2.77
371	143	3.51	0.01	9.55e-05	-0.18	0.0	-4.10	-2.81	-0.15	-3.70e-04	-0.02	3.51
		1.90	-0.02	-3.16e-04	0.0	56.0	-4.10	-2.99	-0.15	-3.70e-04	0.01	1.90
371	157	0.38	0.19	1.44e-04	-0.18	0.0	-1.50	0.21	-0.18	0.10	0.19	0.30
		0.30	0.05	1.87e-04	0.0	56.0	-1.50	0.04	-0.18	0.10	0.05	0.38
371	158	-1.26	-0.02	-1.05e-05	-0.18	0.0	0.65	1.39	0.22	-0.04	-0.17	-1.97
		-1.97	-0.17	-1.75e-04	0.0	56.0	0.65	1.22	0.22	-0.04	-0.02	-1.26
371	172	-2.64	0.03	2.70e-05	-0.18	0.0	3.03	4.23	0.19	0.06	0.03	-4.95
		-4.95	0.03	3.21e-04	0.0	56.0	3.03	4.06	0.19	0.06	0.03	-2.64
371	175	3.27	0.01	1.09e-04	-0.18	0.0	-3.88	-2.62	-0.15	-6.44e-04	-0.02	3.27
		1.77	-0.02	-3.09e-04	0.0	56.0	-3.88	-2.80	-0.15	-6.44e-04	0.01	1.77
371	189	0.39	0.19	1.38e-04	-0.18	0.0	-1.50	0.23	-0.17	0.10	0.19	0.29
		0.29	0.05	1.89e-04	0.0	56.0	-1.50	0.05	-0.17	0.10	0.05	0.39
371	190	-1.26	-0.02	-4.34e-06	-0.18	0.0	0.65	1.38	0.22	-0.04	-0.17	-1.97
		-1.97	-0.17	-1.77e-04	0.0	56.0	0.65	1.20	0.22	-0.04	-0.02	-1.26
371	204	-2.95	0.04	1.85e-05	-0.18	0.0	3.50	4.73	0.21	0.06	0.04	-5.53
		-5.53	0.03	3.73e-04	0.0	56.0	3.50	4.55	0.21	0.06	0.03	-2.95
371	207	3.85	0.01	1.24e-04	-0.18	0.0	-4.36	-3.12	-0.17	-6.00e-03	-0.02	3.85
		2.08	-0.02	-3.60e-04	0.0	56.0	-4.36	-3.29	-0.17	-6.00e-03	0.01	2.08
371	221	0.53	0.21	1.46e-04	-0.18	0.0	-1.69	0.14	-0.21	0.11	0.21	0.48
		0.48	0.06	2.23e-04	0.0	56.0	-1.69	-0.04	-0.21	0.11	0.06	0.53
371	222	-1.40	-0.02	-1.27e-05	-0.18	0.0	0.83	1.47	0.25	-0.05	-0.20	-2.16
		-2.16	-0.20	-2.10e-04	0.0	56.0	0.83	1.30	0.25	-0.05	-0.02	-1.40
372	11	0.0	0.03	6.02e-05	-0.23	0.0	-0.14	1.62	-0.04	-0.02	0.03	-0.84
		-0.84	5.41e-03	1.42e-05	0.0	56.0	-0.14	1.39	-0.04	-0.02	5.41e-03	0.0
372	19	0.0	0.01	4.45e-05	-0.18	0.0	-0.20	0.86	-0.02	-0.09	0.01	-0.43
		-0.43	-1.06e-03	8.74e-06	0.0	56.0	-0.20	0.68	-0.02	-0.09	-1.06e-03	0.0
372	27	0.0	0.03	7.96e-05	-0.23	0.0	-0.26	1.23	-0.04	0.08	0.03	-0.62
		-0.62	0.01	1.29e-05	0.0	56.0	-0.26	1.00	-0.04	0.08	0.01	0.0
372	28	0.0	0.03	7.46e-05	-0.23	0.0	-0.20	1.39	-0.04	0.08	0.03	-0.72
		-0.72	0.01	1.32e-05	0.0	56.0	-0.20	1.16	-0.04	0.08	0.01	0.0
372	60	0.0	0.02	4.02e-05	-0.18	0.0	-0.08	1.04	-0.02	0.02	0.02	-0.53
		-0.53	4.82e-03	8.76e-06	0.0	56.0	-0.08	0.87	-0.02	0.02	4.82e-03	0.0
372	71	0.0	0.02	4.68e-05	-0.18	0.0	-0.12	1.16	-0.03	-0.01	0.02	-0.60
		-0.60	4.07e-03	1.04e-05	0.0	56.0	-0.12	0.98	-0.03	-0.01	4.07e-03	0.0
372	72	0.0	0.01	4.65e-05	-0.18	0.0	-0.20	0.84	-0.02	-0.05	0.01	-0.42
		-0.42	6.71e-04	8.72e-06	0.0	56.0	-0.20	0.67	-0.02	-0.05	6.71e-04	0.0
372	79	0.0	0.02	5.97e-05	-0.18	0.0	-0.20	0.90	-0.03	0.06	0.02	-0.45
		-0.45	8.10e-03	9.54e-06	0.0	56.0	-0.20	0.72	-0.03	0.06	8.10e-03	0.0
372	80	0.0	0.02	5.64e-05	-0.18	0.0	-0.16	1.01	-0.03	0.06	0.02	-0.51
		-0.51	8.42e-03	9.77e-06	0.0	56.0	-0.16	0.83	-0.03	0.06	8.42e-03	0.0
372	93	0.0	0.02	4.36e-05	-0.18	0.0	-0.12	0.97	-0.02	0.02	0.02	-0.49
		-0.49	4.59e-03	8.73e-06	0.0	56.0	-0.12	0.79	-0.02	0.02	4.59e-03	0.0
372	98	0.0	0.02	5.56e-05	-0.18	0.0	-0.20	0.89	-0.03	0.03	0.02	-0.45
		-0.45	5.39e-03	9.66e-06	0.0	56.0	-0.20	0.71	-0.03	0.03	5.39e-03	0.0
372	99	0.0	0.02	4.89e-05	-0.18	0.0	-0.18	0.79	-0.02	0.02	0.02	-0.39
		-0.39	4.08e-03	8.35e-06	0.0	56.0	-0.18	0.62	-0.02	0.02	4.08e-03	0.0
372	101	0.0	0.02	5.35e-05	-0.18	0.0	-0.18	0.91	-0.03	0.03	0.02	-0.46
		-0.46	5.31e-03	9.55e-06	0.0	56.0	-0.18	0.73	-0.03	0.03	5.31e-03	0.0

372	102	0.0	0.02	4.95e-05	-0.18	0.0	-0.19	0.77	-0.02	7.29e-03	0.02	-0.38
		-0.38	3.29e-03	8.35e-06	0.0	56.0	-0.19	0.59	-0.02	7.29e-03	3.29e-03	0.0
372	106	0.0	0.02	5.02e-05	-0.18	0.0	-0.19	0.75	-0.02	0.02	0.02	-0.37
		-0.37	3.95e-03	8.26e-06	0.0	56.0	-0.19	0.57	-0.02	0.02	3.95e-03	0.0
372	107	0.0	0.02	5.48e-05	-0.18	0.0	-0.20	0.87	-0.03	0.03	0.02	-0.44
		-0.44	5.18e-03	9.46e-06	0.0	56.0	-0.20	0.69	-0.03	0.03	5.18e-03	0.0
372	108	0.0	0.03	3.01e-06	-0.18	0.0	1.48	4.58	-0.10	0.05	0.03	-2.52
		-2.52	-0.03	2.96e-04	0.0	56.0	1.48	4.40	-0.10	0.05	-0.03	0.0
372	109	0.0	0.04	6.44e-05	-0.18	0.0	0.92	3.25	-0.13	0.08	0.04	-1.77
		-1.77	-0.04	3.41e-04	0.0	56.0	0.92	3.07	-0.13	0.08	-0.04	0.0
372	111	1.64	0.04	1.12e-04	-0.18	0.0	-1.87	-2.85	0.05	2.91e-03	0.01	1.64
		0.0	0.01	-2.77e-04	0.0	56.0	-1.87	-3.02	0.05	2.91e-03	0.04	0.0
372	125	0.29	0.05	1.58e-04	-0.18	0.0	-0.71	-0.44	-0.11	0.09	0.05	0.29
		0.0	-0.02	1.76e-04	0.0	56.0	-0.71	-0.61	-0.11	0.09	-0.02	0.0
372	140	0.0	0.03	-9.59e-06	-0.18	0.0	1.68	5.04	-0.11	0.06	0.03	-2.77
		-2.77	-0.03	3.32e-04	0.0	56.0	1.68	4.87	-0.11	0.06	-0.03	0.0
372	141	0.0	0.05	6.50e-05	-0.18	0.0	1.05	3.55	-0.15	0.09	0.05	-1.94
		-1.94	-0.04	3.82e-04	0.0	56.0	1.05	3.37	-0.15	0.09	-0.04	0.0
372	143	1.90	0.04	1.19e-04	-0.18	0.0	-2.08	-3.31	0.06	-3.70e-04	0.01	1.90
		0.0	0.01	-3.14e-04	0.0	56.0	-2.08	-3.49	0.06	-3.70e-04	0.04	0.0
372	157	0.38	0.05	1.71e-04	-0.18	0.0	-0.78	-0.60	-0.12	0.10	0.05	0.38
		0.0	-0.02	1.97e-04	0.0	56.0	-0.78	-0.77	-0.12	0.10	-0.02	0.0
372	172	0.0	0.03	-2.35e-05	-0.18	0.0	1.57	4.81	-0.11	0.06	0.03	-2.64
		-2.64	-0.03	3.25e-04	0.0	56.0	1.57	4.63	-0.11	0.06	-0.03	0.0
372	173	0.0	0.05	4.97e-05	-0.18	0.0	0.96	3.35	-0.15	0.09	0.05	-1.83
		-1.83	-0.04	3.78e-04	0.0	56.0	0.96	3.17	-0.15	0.09	-0.04	0.0
372	175	1.77	0.04	1.33e-04	-0.18	0.0	-1.96	-3.07	0.06	-6.44e-04	0.01	1.77
		0.0	0.01	-3.07e-04	0.0	56.0	-1.96	-3.25	0.06	-6.44e-04	0.04	0.0
372	189	0.39	0.05	1.64e-04	-0.18	0.0	-0.78	-0.60	-0.12	0.10	0.05	0.39
		0.0	-0.02	1.99e-04	0.0	56.0	-0.78	-0.78	-0.12	0.10	-0.02	0.0
372	204	0.0	0.03	-4.48e-05	-0.18	0.0	1.82	5.36	-0.12	0.06	0.03	-2.95
		-2.95	-0.04	3.77e-04	0.0	56.0	1.82	5.18	-0.12	0.06	-0.04	0.0
372	205	0.0	0.05	3.98e-05	-0.18	0.0	1.11	3.67	-0.17	0.10	0.05	-2.01
		-2.01	-0.05	4.40e-04	0.0	56.0	1.11	3.49	-0.17	0.10	-0.05	0.0
372	207	2.08	0.05	1.54e-04	-0.18	0.0	-2.21	-3.62	0.07	-6.00e-03	0.01	2.08
		0.0	0.01	-3.58e-04	0.0	56.0	-2.21	-3.80	0.07	-6.00e-03	0.05	0.0
372	221	0.53	0.06	1.79e-04	-0.18	0.0	-0.88	-0.85	-0.14	0.11	0.06	0.53
		0.0	-0.03	2.34e-04	0.0	56.0	-0.88	-1.03	-0.14	0.11	-0.03	0.0
373	4	14.71	0.0	-8.42e-04	-36.72	0.0	0.61	18.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.02e-04	0.0	320.5	0.61	-18.36	0.0	0.0	0.0	0.0
373	7	7.01	0.0	-4.04e-04	-17.49	0.0	0.92	8.74	0.0	0.0	0.0	0.0
		0.0	0.0	7.85e-05	0.0	320.5	0.92	-8.74	0.0	0.0	0.0	0.0
373	9	19.17	0.0	-1.06e-03	-47.85	0.0	-0.64	23.93	0.0	0.0	0.0	0.0
		0.0	0.0	7.97e-05	0.0	320.5	-0.64	-23.93	0.0	0.0	0.0	0.0
373	33	19.17	0.0	-1.18e-03	-47.85	0.0	-1.09	23.93	0.0	0.0	0.0	0.0
		0.0	0.0	8.03e-05	0.0	320.5	-1.09	-23.93	0.0	0.0	0.0	0.0
373	59	19.17	0.0	-1.13e-03	-47.85	0.0	-0.10	23.93	0.0	0.0	0.0	0.0
		0.0	0.0	1.00e-04	0.0	320.5	-0.10	-23.93	0.0	0.0	0.0	0.0
373	67	7.50	0.0	-4.43e-04	-18.73	0.0	0.59	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	7.21e-05	0.0	320.5	0.59	-9.36	0.0	0.0	0.0	0.0
373	68	10.48	0.0	-6.05e-04	-26.15	0.0	0.38	13.07	0.0	0.0	0.0	0.0
		0.0	0.0	7.46e-05	0.0	320.5	0.38	-13.07	0.0	0.0	0.0	0.0
373	69	13.45	0.0	-7.49e-04	-33.57	0.0	-0.45	16.79	0.0	0.0	0.0	0.0
		0.0	0.0	5.96e-05	0.0	320.5	-0.45	-16.79	0.0	0.0	0.0	0.0
373	81	13.45	0.0	-8.28e-04	-33.57	0.0	-0.75	16.79	0.0	0.0	0.0	0.0
		0.0	0.0	6.00e-05	0.0	320.5	-0.75	-16.79	0.0	0.0	0.0	0.0
373	95	13.45	0.0	-7.99e-04	-33.57	0.0	-0.09	16.79	0.0	0.0	0.0	0.0
		0.0	0.0	7.34e-05	0.0	320.5	-0.09	-16.79	0.0	0.0	0.0	0.0
373	98	7.50	0.0	-4.79e-04	-18.73	0.0	0.32	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	6.85e-05	0.0	320.5	0.32	-9.36	0.0	0.0	0.0	0.0
373	99	8.69	0.0	-5.29e-04	-21.70	0.0	-0.20	10.85	0.0	0.0	0.0	0.0
		0.0	0.0	5.73e-05	0.0	320.5	-0.20	-10.85	0.0	0.0	0.0	0.0
373	101	8.69	0.0	-5.41e-04	-21.70	0.0	0.17	10.85	0.0	0.0	0.0	0.0
		0.0	0.0	6.78e-05	0.0	320.5	0.17	-10.85	0.0	0.0	0.0	0.0
373	103	7.50	0.0	-4.63e-04	-18.73	0.0	0.28	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	6.62e-05	0.0	320.5	0.28	-9.36	0.0	0.0	0.0	0.0
373	106	7.50	0.0	-4.66e-04	-18.73	0.0	-0.12	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	5.63e-05	0.0	320.5	-0.12	-9.36	0.0	0.0	0.0	0.0
373	107	7.50	0.0	-4.77e-04	-18.73	0.0	0.26	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	6.68e-05	0.0	320.5	0.26	-9.36	0.0	0.0	0.0	0.0
373	108	7.50	0.0	-3.40e-04	-18.73	0.0	5.65	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.13e-03	0.0	320.5	5.65	-9.36	0.0	0.0	0.0	0.0
373	109	7.50	0.0	-5.67e-04	-18.73	0.0	3.63	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.22e-03	0.0	320.5	3.63	-9.36	0.0	0.0	0.0	0.0
373	110	7.50	0.0	-3.94e-04	-18.73	0.0	-3.12	9.36	0.0	0.0	0.0	0.0

		0.0	0.0	-1.09e-03	0.0	320.5	-3.12	-9.36	0.0	0.0	0.0	0.0
373	111	7.50	0.0	-6.33e-04	-18.73	0.0	-5.14	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-9.96e-04	0.0	320.5	-5.14	-9.36	0.0	0.0	0.0	0.0
373	135	7.50	0.0	-1.19e-03	-18.73	0.0	-3.14	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-4.35e-04	0.0	320.5	-3.14	-9.36	0.0	0.0	0.0	0.0
373	136	7.50	0.0	8.83e-04	-18.73	0.0	3.54	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	6.51e-04	0.0	320.5	3.54	-9.36	0.0	0.0	0.0	0.0
373	140	7.50	0.0	-3.25e-04	-18.73	0.0	6.33	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.27e-03	0.0	320.5	6.33	-9.36	0.0	0.0	0.0	0.0
373	141	7.50	0.0	-5.78e-04	-18.73	0.0	4.06	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.37e-03	0.0	320.5	4.06	-9.36	0.0	0.0	0.0	0.0
373	142	7.50	0.0	-3.85e-04	-18.73	0.0	-3.55	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.24e-03	0.0	320.5	-3.55	-9.36	0.0	0.0	0.0	0.0
373	143	7.50	0.0	-6.55e-04	-18.73	0.0	-5.82	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.13e-03	0.0	320.5	-5.82	-9.36	0.0	0.0	0.0	0.0
373	167	7.50	0.0	-1.31e-03	-18.73	0.0	-3.58	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-5.05e-04	0.0	320.5	-3.58	-9.36	0.0	0.0	0.0	0.0
373	168	7.50	0.0	1.02e-03	-18.73	0.0	3.97	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	7.38e-04	0.0	320.5	3.97	-9.36	0.0	0.0	0.0	0.0
373	172	7.50	0.0	-3.20e-04	-18.73	0.0	6.30	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.33e-03	0.0	320.5	6.30	-9.36	0.0	0.0	0.0	0.0
373	173	7.50	0.0	-5.62e-04	-18.73	0.0	4.07	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.46e-03	0.0	320.5	4.07	-9.36	0.0	0.0	0.0	0.0
373	174	7.50	0.0	-3.99e-04	-18.73	0.0	-3.56	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.33e-03	0.0	320.5	-3.56	-9.36	0.0	0.0	0.0	0.0
373	175	7.50	0.0	-6.63e-04	-18.73	0.0	-5.79	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.19e-03	0.0	320.5	-5.79	-9.36	0.0	0.0	0.0	0.0
373	199	7.50	0.0	-1.30e-03	-18.73	0.0	-3.61	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-5.76e-04	0.0	320.5	-3.61	-9.36	0.0	0.0	0.0	0.0
373	200	7.50	0.0	1.02e-03	-18.73	0.0	4.04	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	8.38e-04	0.0	320.5	4.04	-9.36	0.0	0.0	0.0	0.0
373	204	7.50	0.0	-2.92e-04	-18.73	0.0	7.35	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.58e-03	0.0	320.5	7.35	-9.36	0.0	0.0	0.0	0.0
373	205	7.50	0.0	-5.67e-04	-18.73	0.0	4.76	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.76e-03	0.0	320.5	4.76	-9.36	0.0	0.0	0.0	0.0
373	206	7.50	0.0	-3.94e-04	-18.73	0.0	-4.24	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.62e-03	0.0	320.5	-4.24	-9.36	0.0	0.0	0.0	0.0
373	207	7.50	0.0	-7.02e-04	-18.73	0.0	-6.84	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.45e-03	0.0	320.5	-6.84	-9.36	0.0	0.0	0.0	0.0
373	232	7.50	0.0	1.22e-03	-18.73	0.0	4.78	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.04e-03	0.0	320.5	4.78	-9.36	0.0	0.0	0.0	0.0
373	235	7.50	0.0	-1.54e-03	-18.73	0.0	-4.26	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-9.05e-04	0.0	320.5	-4.26	-9.36	0.0	0.0	0.0	0.0
374	3	19.86	0.0	-1.95e-03	-49.58	0.0	2.71	24.79	0.0	0.0	0.0	0.0
		0.0	0.0	6.96e-05	0.0	320.5	2.71	-24.79	0.0	0.0	0.0	0.0
374	9	37.80	0.0	-2.57e-03	-94.35	0.0	1.09	47.17	0.0	0.0	0.0	0.0
		0.0	0.0	5.64e-05	0.0	320.5	1.09	-47.17	0.0	0.0	0.0	0.0
374	41	19.86	0.0	-1.68e-03	-49.58	0.0	0.66	24.79	0.0	0.0	0.0	0.0
		0.0	0.0	5.58e-05	0.0	320.5	0.66	-24.79	0.0	0.0	0.0	0.0
374	45	13.52	0.0	-1.19e-03	-33.74	0.0	0.26	16.87	0.0	0.0	0.0	0.0
		0.0	0.0	4.10e-05	0.0	320.5	0.26	-16.87	0.0	0.0	0.0	0.0
374	52	28.83	0.0	-2.51e-03	-71.96	0.0	2.80	35.98	0.0	0.0	0.0	0.0
		0.0	0.0	7.56e-05	0.0	320.5	2.80	-35.98	0.0	0.0	0.0	0.0
374	67	14.51	0.0	-1.41e-03	-36.23	0.0	1.84	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	5.14e-05	0.0	320.5	1.84	-18.11	0.0	0.0	0.0	0.0
374	69	26.47	0.0	-1.82e-03	-66.07	0.0	0.76	33.04	0.0	0.0	0.0	0.0
		0.0	0.0	4.26e-05	0.0	320.5	0.76	-33.04	0.0	0.0	0.0	0.0
374	85	14.51	0.0	-1.23e-03	-36.23	0.0	0.48	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	4.22e-05	0.0	320.5	0.48	-18.11	0.0	0.0	0.0	0.0
374	92	20.49	0.0	-1.78e-03	-51.15	0.0	1.90	25.57	0.0	0.0	0.0	0.0
		0.0	0.0	5.54e-05	0.0	320.5	1.90	-25.57	0.0	0.0	0.0	0.0
374	98	14.51	0.0	-1.36e-03	-36.23	0.0	1.53	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	5.06e-05	0.0	320.5	1.53	-18.11	0.0	0.0	0.0	0.0
374	99	16.90	0.0	-1.30e-03	-42.20	0.0	0.74	21.10	0.0	0.0	0.0	0.0
		0.0	0.0	4.31e-05	0.0	320.5	0.74	-21.10	0.0	0.0	0.0	0.0
374	104	14.51	0.0	-1.18e-03	-36.23	0.0	0.68	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	4.24e-05	0.0	320.5	0.68	-18.11	0.0	0.0	0.0	0.0
374	106	14.51	0.0	-1.16e-03	-36.23	0.0	0.73	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	4.25e-05	0.0	320.5	0.73	-18.11	0.0	0.0	0.0	0.0
374	107	14.51	0.0	-1.33e-03	-36.23	0.0	1.42	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	4.94e-05	0.0	320.5	1.42	-18.11	0.0	0.0	0.0	0.0
374	112	14.51	0.0	-1.22e-03	-36.23	0.0	0.62	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	1.21e-03	0.0	320.5	0.62	-18.11	0.0	0.0	0.0	0.0
374	115	14.51	0.0	-1.45e-03	-36.23	0.0	2.21	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	-1.11e-03	0.0	320.5	2.21	-18.11	0.0	0.0	0.0	0.0

374	133	14.51	0.0	-1.83e-03	-36.23	0.0	-0.54	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	2.02e-04	0.0	320.5	-0.54	-18.11	0.0	0.0	0.0	0.0
374	134	14.51	0.0	-9.11e-04	-36.23	0.0	3.37	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	-1.03e-04	0.0	320.5	3.37	-18.11	0.0	0.0	0.0	0.0
374	144	14.51	0.0	-1.20e-03	-36.23	0.0	0.52	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	1.37e-03	0.0	320.5	0.52	-18.11	0.0	0.0	0.0	0.0
374	147	14.51	0.0	-1.47e-03	-36.23	0.0	2.31	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	-1.27e-03	0.0	320.5	2.31	-18.11	0.0	0.0	0.0	0.0
374	165	14.51	0.0	-1.90e-03	-36.23	0.0	-0.78	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	2.17e-04	0.0	320.5	-0.78	-18.11	0.0	0.0	0.0	0.0
374	166	14.51	0.0	-8.62e-04	-36.23	0.0	3.61	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	-1.18e-04	0.0	320.5	3.61	-18.11	0.0	0.0	0.0	0.0
374	176	14.51	0.0	-1.20e-03	-36.23	0.0	0.54	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	1.45e-03	0.0	320.5	0.54	-18.11	0.0	0.0	0.0	0.0
374	179	14.51	0.0	-1.47e-03	-36.23	0.0	2.29	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	-1.36e-03	0.0	320.5	2.29	-18.11	0.0	0.0	0.0	0.0
374	197	14.51	0.0	-1.88e-03	-36.23	0.0	-0.74	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	1.91e-04	0.0	320.5	-0.74	-18.11	0.0	0.0	0.0	0.0
374	198	14.51	0.0	-8.70e-04	-36.23	0.0	3.57	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	-9.18e-05	0.0	320.5	3.57	-18.11	0.0	0.0	0.0	0.0
374	208	14.51	0.0	-1.17e-03	-36.23	0.0	0.40	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	1.75e-03	0.0	320.5	0.40	-18.11	0.0	0.0	0.0	0.0
374	211	14.51	0.0	-1.50e-03	-36.23	0.0	2.43	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	-1.65e-03	0.0	320.5	2.43	-18.11	0.0	0.0	0.0	0.0
374	229	14.51	0.0	-1.99e-03	-36.23	0.0	-1.09	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	1.96e-04	0.0	320.5	-1.09	-18.11	0.0	0.0	0.0	0.0
374	230	14.51	0.0	-8.06e-04	-36.23	0.0	3.92	18.11	0.0	0.0	0.0	0.0
		0.0	0.0	-9.75e-05	0.0	320.5	3.92	-18.11	0.0	0.0	0.0	0.0
375	3	19.86	0.0	-2.40e-03	-49.58	0.0	2.72	24.79	-2.86e-03	0.0	0.0	0.0
		0.0	-9.16e-03	5.58e-05	0.0	320.5	2.72	-24.79	-2.86e-03	0.0	-9.16e-03	0.0
375	9	37.80	0.0	-2.87e-03	-94.35	0.0	1.15	47.17	-2.22e-03	0.0	0.0	0.0
		0.0	-7.12e-03	4.80e-05	0.0	320.5	1.15	-47.17	-2.22e-03	0.0	-7.12e-03	0.0
375	27	19.86	0.0	-2.58e-03	-49.58	0.0	2.15	24.79	-3.94e-03	0.0	0.0	0.0
		0.0	-0.01	6.09e-05	0.0	320.5	2.15	-24.79	-3.94e-03	0.0	-0.01	0.0
375	44	28.83	0.0	-2.94e-03	-71.96	0.0	1.29	35.98	-4.34e-03	0.0	0.0	0.0
		0.0	-0.01	6.01e-05	0.0	320.5	1.29	-35.98	-4.34e-03	0.0	-0.01	0.0
375	45	13.52	0.0	-1.36e-03	-33.74	0.0	0.19	16.87	-2.39e-03	0.0	0.0	0.0
		0.0	-7.65e-03	3.49e-05	0.0	320.5	0.19	-16.87	-2.39e-03	0.0	-7.65e-03	0.0
375	46	22.48	0.0	-1.92e-03	-56.12	0.0	0.01	28.06	-2.76e-03	0.0	0.0	0.0
		0.0	-8.84e-03	3.79e-05	0.0	320.5	0.01	-28.06	-2.76e-03	0.0	-8.84e-03	0.0
375	67	14.51	0.0	-1.71e-03	-36.23	0.0	1.92	18.11	-2.03e-03	0.0	0.0	0.0
		0.0	-6.49e-03	4.12e-05	0.0	320.5	1.92	-18.11	-2.03e-03	0.0	-6.49e-03	0.0
375	69	26.47	0.0	-2.03e-03	-66.07	0.0	0.87	33.04	-1.60e-03	0.0	0.0	0.0
		0.0	-5.13e-03	3.60e-05	0.0	320.5	0.87	-33.04	-1.60e-03	0.0	-5.13e-03	0.0
375	79	14.51	0.0	-1.83e-03	-36.23	0.0	1.54	18.11	-2.75e-03	0.0	0.0	0.0
		0.0	-8.81e-03	4.46e-05	0.0	320.5	1.54	-18.11	-2.75e-03	0.0	-8.81e-03	0.0
375	85	14.51	0.0	-1.41e-03	-36.23	0.0	0.51	18.11	-2.12e-03	0.0	0.0	0.0
		0.0	-6.79e-03	3.56e-05	0.0	320.5	0.51	-18.11	-2.12e-03	0.0	-6.79e-03	0.0
375	86	20.49	0.0	-1.78e-03	-51.15	0.0	0.39	25.57	-2.37e-03	0.0	0.0	0.0
		0.0	-7.59e-03	3.76e-05	0.0	320.5	0.39	-25.57	-2.37e-03	0.0	-7.59e-03	0.0
375	88	20.49	0.0	-2.08e-03	-51.15	0.0	0.97	25.57	-3.01e-03	0.0	0.0	0.0
		0.0	-9.65e-03	4.41e-05	0.0	320.5	0.97	-25.57	-3.01e-03	0.0	-9.65e-03	0.0
375	98	14.51	0.0	-1.63e-03	-36.23	0.0	1.63	18.11	-2.04e-03	0.0	0.0	0.0
		0.0	-6.53e-03	4.16e-05	0.0	320.5	1.63	-18.11	-2.04e-03	0.0	-6.53e-03	0.0
375	99	16.90	0.0	-1.47e-03	-42.20	0.0	1.01	21.10	-1.49e-03	0.0	0.0	0.0
		0.0	-4.79e-03	3.59e-05	0.0	320.5	1.01	-21.10	-1.49e-03	0.0	-4.79e-03	0.0
375	104	14.51	0.0	-1.34e-03	-36.23	0.0	0.94	18.11	-1.54e-03	0.0	0.0	0.0
		0.0	-4.93e-03	3.52e-05	0.0	320.5	0.94	-18.11	-1.54e-03	0.0	-4.93e-03	0.0
375	105	14.51	0.0	-1.60e-03	-36.23	0.0	1.44	18.11	-2.09e-03	0.0	0.0	0.0
		0.0	-6.70e-03	4.07e-05	0.0	320.5	1.44	-18.11	-2.09e-03	0.0	-6.70e-03	0.0
375	106	14.51	0.0	-1.32e-03	-36.23	0.0	1.05	18.11	-1.39e-03	0.0	0.0	0.0
		0.0	-4.47e-03	3.51e-05	0.0	320.5	1.05	-18.11	-1.39e-03	0.0	-4.47e-03	0.0
375	107	14.51	0.0	-1.58e-03	-36.23	0.0	1.55	18.11	-1.95e-03	0.0	0.0	0.0
		0.0	-6.24e-03	4.06e-05	0.0	320.5	1.55	-18.11	-1.95e-03	0.0	-6.24e-03	0.0
375	109	14.51	0.0	-2.05e-03	-36.23	0.0	-0.53	18.11	-9.42e-03	0.0	0.0	0.0
		0.0	-0.03	1.20e-03	0.0	320.5	-0.53	-18.11	-9.42e-03	0.0	-0.03	0.0
375	121	14.51	0.0	-2.04e-03	-36.23	0.0	-0.48	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.04	1.38e-03	0.0	320.5	-0.48	-18.11	-0.01	0.0	-0.04	0.0
375	122	14.51	0.03	-1.18e-03	-36.23	0.0	3.57	18.11	8.81e-03	0.0	0.0	0.0
		0.0	0.0	-1.29e-03	0.0	320.5	3.57	-18.11	8.81e-03	0.0	0.03	0.0
375	130	14.51	0.01	-9.73e-04	-36.23	0.0	3.28	18.11	4.16e-03	0.0	0.0	0.0
		0.0	0.0	-5.18e-04	0.0	320.5	3.28	-18.11	4.16e-03	0.0	0.01	0.0
375	133	14.51	0.0	-2.40e-03	-36.23	0.0	-0.90	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.04	1.89e-04	0.0	320.5	-0.90	-18.11	-0.01	0.0	-0.04	0.0
375	134	14.51	0.02	-9.43e-04	-36.23	0.0	3.99	18.11	7.45e-03	0.0	0.0	0.0

		0.0	0.0	-1.08e-04	0.0	320.5	3.99	-18.11	7.45e-03	0.0	0.02	0.0
375	141	14.51	0.0	-2.11e-03	-36.23	0.0	-0.79	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.03	1.35e-03	0.0	320.5	-0.79	-18.11	-0.01	0.0	-0.03	0.0
375	153	14.51	0.0	-2.11e-03	-36.23	0.0	-0.74	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.05	1.56e-03	0.0	320.5	-0.74	-18.11	-0.01	0.0	-0.05	0.0
375	154	14.51	0.03	-1.14e-03	-36.23	0.0	3.83	18.11	0.01	0.0	0.0	0.0
		0.0	0.0	-1.48e-03	0.0	320.5	3.83	-18.11	0.01	0.0	0.03	0.0
375	162	14.51	0.02	-9.04e-04	-36.23	0.0	3.51	18.11	4.96e-03	0.0	0.0	0.0
		0.0	0.0	-6.01e-04	0.0	320.5	3.51	-18.11	4.96e-03	0.0	0.02	0.0
375	165	14.51	0.0	-2.52e-03	-36.23	0.0	-1.21	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.04	2.03e-04	0.0	320.5	-1.21	-18.11	-0.01	0.0	-0.04	0.0
375	166	14.51	0.03	-8.71e-04	-36.23	0.0	4.30	18.11	8.62e-03	0.0	0.0	0.0
		0.0	0.0	-1.22e-04	0.0	320.5	4.30	-18.11	8.62e-03	0.0	0.03	0.0
375	173	14.51	0.0	-2.12e-03	-36.23	0.0	-0.78	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.03	1.44e-03	0.0	320.5	-0.78	-18.11	-0.01	0.0	-0.03	0.0
375	185	14.51	0.0	-2.12e-03	-36.23	0.0	-0.77	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.05	1.72e-03	0.0	320.5	-0.77	-18.11	-0.01	0.0	-0.05	0.0
375	186	14.51	0.03	-1.12e-03	-36.23	0.0	3.86	18.11	0.01	0.0	0.0	0.0
		0.0	0.0	-1.64e-03	0.0	320.5	3.86	-18.11	0.01	0.0	0.03	0.0
375	194	14.51	0.02	-9.07e-04	-36.23	0.0	3.51	18.11	5.09e-03	0.0	0.0	0.0
		0.0	0.0	-7.01e-04	0.0	320.5	3.51	-18.11	5.09e-03	0.0	0.02	0.0
375	197	14.51	0.0	-2.50e-03	-36.23	0.0	-1.16	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.04	1.77e-04	0.0	320.5	-1.16	-18.11	-0.01	0.0	-0.04	0.0
375	198	14.51	0.03	-8.82e-04	-36.23	0.0	4.26	18.11	8.46e-03	0.0	0.0	0.0
		0.0	0.0	-9.62e-05	0.0	320.5	4.26	-18.11	8.46e-03	0.0	0.03	0.0
375	213	14.51	0.0	-2.23e-03	-36.23	0.0	-0.98	18.11	-0.02	0.0	0.0	0.0
		0.0	-0.05	2.30e-03	0.0	320.5	-0.98	-18.11	-0.02	0.0	-0.05	0.0
375	217	14.51	0.0	-2.24e-03	-36.23	0.0	-1.22	18.11	-0.02	0.0	0.0	0.0
		0.0	-0.05	2.12e-03	0.0	320.5	-1.22	-18.11	-0.02	0.0	-0.05	0.0
375	218	14.51	0.04	-1.05e-03	-36.23	0.0	4.31	18.11	0.01	0.0	0.0	0.0
		0.0	0.0	-2.03e-03	0.0	320.5	4.31	-18.11	0.01	0.0	0.04	0.0
375	226	14.51	0.02	-8.09e-04	-36.23	0.0	3.86	18.11	6.46e-03	0.0	0.0	0.0
		0.0	0.0	-8.97e-04	0.0	320.5	3.86	-18.11	6.46e-03	0.0	0.02	0.0
375	229	14.51	0.0	-2.68e-03	-36.23	0.0	-1.61	18.11	-0.01	0.0	0.0	0.0
		0.0	-0.05	1.82e-04	0.0	320.5	-1.61	-18.11	-0.01	0.0	-0.05	0.0
375	230	14.51	0.03	-7.88e-04	-36.23	0.0	4.70	18.11	0.01	0.0	0.0	0.0
		0.0	0.0	-1.01e-04	0.0	320.5	4.70	-18.11	0.01	0.0	0.03	0.0
376	9	19.17	0.0	-1.02e-03	-47.85	0.0	8.91	23.93	0.0	0.0	0.0	0.0
		0.0	0.0	3.12e-05	0.0	320.5	8.91	-23.93	0.0	0.0	0.0	0.0
376	28	14.71	0.0	-8.98e-04	-36.72	0.0	13.57	18.36	0.0	0.0	0.0	0.0
		0.0	0.0	4.47e-05	0.0	320.5	13.57	-18.36	0.0	0.0	0.0	0.0
376	42	14.71	0.0	-9.37e-04	-36.72	0.0	7.45	18.36	0.0	0.0	0.0	0.0
		0.0	0.0	3.96e-05	0.0	320.5	7.45	-18.36	0.0	0.0	0.0	0.0
376	45	7.01	0.0	-5.16e-04	-17.49	0.0	4.60	8.74	0.0	0.0	0.0	0.0
		0.0	0.0	2.96e-05	0.0	320.5	4.60	-8.74	0.0	0.0	0.0	0.0
376	52	14.71	0.0	-8.40e-04	-36.72	0.0	14.38	18.36	0.0	0.0	0.0	0.0
		0.0	0.0	4.25e-05	0.0	320.5	14.38	-18.36	0.0	0.0	0.0	0.0
376	69	13.45	0.0	-7.20e-04	-33.57	0.0	6.57	16.79	0.0	0.0	0.0	0.0
		0.0	0.0	2.40e-05	0.0	320.5	6.57	-16.79	0.0	0.0	0.0	0.0
376	80	10.48	0.0	-6.39e-04	-26.15	0.0	9.67	13.07	0.0	0.0	0.0	0.0
		0.0	0.0	3.30e-05	0.0	320.5	9.67	-13.07	0.0	0.0	0.0	0.0
376	85	7.50	0.0	-5.08e-04	-18.73	0.0	5.37	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	2.88e-05	0.0	320.5	5.37	-9.36	0.0	0.0	0.0	0.0
376	86	10.48	0.0	-6.65e-04	-26.15	0.0	5.59	13.07	0.0	0.0	0.0	0.0
		0.0	0.0	2.96e-05	0.0	320.5	5.59	-13.07	0.0	0.0	0.0	0.0
376	92	10.48	0.0	-6.00e-04	-26.15	0.0	10.21	13.07	0.0	0.0	0.0	0.0
		0.0	0.0	3.15e-05	0.0	320.5	10.21	-13.07	0.0	0.0	0.0	0.0
376	97	7.50	0.0	-4.39e-04	-18.73	0.0	6.28	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	2.63e-05	0.0	320.5	6.28	-9.36	0.0	0.0	0.0	0.0
376	98	7.50	0.0	-4.40e-04	-18.73	0.0	8.88	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	2.93e-05	0.0	320.5	8.88	-9.36	0.0	0.0	0.0	0.0
376	99	8.69	0.0	-5.02e-04	-21.70	0.0	6.37	10.85	0.0	0.0	0.0	0.0
		0.0	0.0	2.66e-05	0.0	320.5	6.37	-10.85	0.0	0.0	0.0	0.0
376	104	7.50	0.0	-4.51e-04	-18.73	0.0	6.10	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	2.68e-05	0.0	320.5	6.10	-9.36	0.0	0.0	0.0	0.0
376	106	7.50	0.0	-4.39e-04	-18.73	0.0	6.28	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	2.63e-05	0.0	320.5	6.28	-9.36	0.0	0.0	0.0	0.0
376	107	7.50	0.0	-4.40e-04	-18.73	0.0	8.51	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	2.89e-05	0.0	320.5	8.51	-9.36	0.0	0.0	0.0	0.0
376	109	7.50	0.0	-2.73e-04	-18.73	0.0	3.75	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.21e-03	0.0	320.5	3.75	-9.36	0.0	0.0	0.0	0.0
376	113	7.50	0.0	4.00e-04	-18.73	0.0	3.30	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.11e-03	0.0	320.5	3.30	-9.36	0.0	0.0	0.0	0.0
376	114	7.50	0.0	-7.32e-04	-18.73	0.0	13.72	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.05e-03	0.0	320.5	13.72	-9.36	0.0	0.0	0.0	0.0

376	132	7.50	0.0	7.20e-04	-18.73	0.0	10.86	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	5.72e-04	0.0	320.5	10.86	-9.36	0.0	0.0	0.0	0.0
376	141	7.50	0.0	3.05e-04	-18.73	0.0	3.15	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.36e-03	0.0	320.5	3.15	-9.36	0.0	0.0	0.0	0.0
376	145	7.50	0.0	4.61e-04	-18.73	0.0	2.64	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.24e-03	0.0	320.5	2.64	-9.36	0.0	0.0	0.0	0.0
376	146	7.50	0.0	-7.75e-04	-18.73	0.0	14.38	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.19e-03	0.0	320.5	14.38	-9.36	0.0	0.0	0.0	0.0
376	166	7.50	0.0	3.66e-04	-18.73	0.0	13.94	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.24e-04	0.0	320.5	13.94	-9.36	0.0	0.0	0.0	0.0
376	173	7.50	0.0	2.71e-04	-18.73	0.0	3.19	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.45e-03	0.0	320.5	3.19	-9.36	0.0	0.0	0.0	0.0
376	177	7.50	0.0	4.31e-04	-18.73	0.0	2.70	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.31e-03	0.0	320.5	2.70	-9.36	0.0	0.0	0.0	0.0
376	185	7.50	0.0	3.01e-04	-18.73	0.0	2.56	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.73e-03	0.0	320.5	2.56	-9.36	0.0	0.0	0.0	0.0
376	186	7.50	0.0	-6.69e-04	-18.73	0.0	14.46	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.67e-03	0.0	320.5	14.46	-9.36	0.0	0.0	0.0	0.0
376	196	7.50	0.0	7.83e-04	-18.73	0.0	11.09	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	7.18e-04	0.0	320.5	11.09	-9.36	0.0	0.0	0.0	0.0
376	205	7.50	0.0	3.17e-04	-18.73	0.0	2.27	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.76e-03	0.0	320.5	2.27	-9.36	0.0	0.0	0.0	0.0
376	209	7.50	0.0	5.04e-04	-18.73	0.0	1.72	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	1.56e-03	0.0	320.5	1.72	-9.36	0.0	0.0	0.0	0.0
376	217	7.50	0.0	3.64e-04	-18.73	0.0	1.37	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	2.13e-03	0.0	320.5	1.37	-9.36	0.0	0.0	0.0	0.0
376	218	7.50	0.0	-7.08e-04	-18.73	0.0	15.65	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-2.07e-03	0.0	320.5	15.65	-9.36	0.0	0.0	0.0	0.0
376	230	7.50	0.0	4.22e-04	-18.73	0.0	14.74	9.36	0.0	0.0	0.0	0.0
		0.0	0.0	-1.02e-04	0.0	320.5	14.74	-9.36	0.0	0.0	0.0	0.0
377	4	-5.42	0.04	-4.37e-05	-15.69	0.0	-6.18	7.94	0.04	-6.27e-03	0.02	-6.50
		-6.50	0.02	0.0	0.0	53.6	-6.18	-7.75	0.04	-6.27e-03	0.04	-6.45
377	19	-1.90	0.01	-2.23e-05	-4.17	0.0	-2.20	2.23	0.01	-9.91e-03	7.61e-03	-2.22
		-2.22	7.61e-03	0.0	0.0	53.6	-2.20	-1.94	0.01	-9.91e-03	0.01	-2.14
377	28	-5.65	0.04	-3.25e-05	-15.69	0.0	-7.13	7.98	0.04	2.72e-03	0.02	-6.73
		-6.73	0.02	0.0	0.0	53.6	-7.13	-7.71	0.04	2.72e-03	0.04	-6.66
377	45	-2.27	0.01	-2.64e-06	-4.17	0.0	-3.79	2.29	0.02	5.07e-03	4.47e-03	-2.60
		-2.60	4.47e-03	0.0	0.0	53.6	-3.79	-1.88	0.02	5.07e-03	0.01	-2.50
377	68	-3.82	0.03	-3.00e-05	-10.80	0.0	-4.42	5.49	0.03	-4.17e-03	0.01	-4.57
		-4.57	0.01	0.0	0.0	53.6	-4.42	-5.31	0.03	-4.17e-03	0.03	-4.52
377	72	-2.10	0.01	-1.93e-05	-4.58	0.0	-2.56	2.45	0.01	-6.62e-03	7.38e-03	-2.45
		-2.45	7.38e-03	0.0	0.0	53.6	-2.56	-2.14	0.01	-6.62e-03	0.01	-2.36
377	80	-3.97	0.03	-2.25e-05	-10.80	0.0	-5.06	5.51	0.03	1.82e-03	0.01	-4.72
		-4.72	0.01	0.0	0.0	53.6	-5.06	-5.29	0.03	1.82e-03	0.03	-4.66
377	85	-2.34	0.01	-5.73e-06	-4.58	0.0	-3.62	2.48	0.02	3.36e-03	5.29e-03	-2.70
		-2.70	5.29e-03	0.0	0.0	53.6	-3.62	-2.10	0.02	3.36e-03	0.01	-2.60
377	98	-3.27	0.02	-2.12e-05	-8.93	0.0	-4.05	4.59	0.02	-1.60e-04	9.42e-03	-3.90
		-3.90	9.42e-03	0.0	0.0	53.6	-4.05	-4.35	0.02	-1.60e-04	0.02	-3.83
377	102	-2.20	0.01	-1.30e-05	-4.58	0.0	-2.91	2.46	0.01	-1.34e-03	6.38e-03	-2.55
		-2.55	6.38e-03	0.0	0.0	53.6	-2.91	-2.12	0.01	-1.34e-03	0.01	-2.46
377	104	-2.24	0.01	-1.03e-05	-4.58	0.0	-3.12	2.47	0.02	6.61e-04	5.97e-03	-2.60
		-2.60	5.97e-03	0.0	0.0	53.6	-3.12	-2.12	0.02	6.61e-04	0.01	-2.51
377	106	-2.22	0.01	-1.16e-05	-4.58	0.0	-3.00	2.46	0.01	-1.54e-05	6.13e-03	-2.57
		-2.57	6.13e-03	0.0	0.0	53.6	-3.00	-2.12	0.01	-1.54e-05	0.01	-2.48
377	107	-3.12	0.02	-1.98e-05	-8.31	0.0	-3.90	4.28	0.02	-1.39e-04	8.95e-03	-3.71
		-3.71	8.95e-03	0.0	0.0	53.6	-3.90	-4.03	0.02	-1.39e-04	0.02	-3.64
377	108	-4.91	0.06	-5.91e-05	-8.31	0.0	-15.53	3.80	0.09	0.03	5.67e-03	-5.45
		-5.49	5.67e-03	1.19e-04	0.0	53.6	-15.53	-4.51	0.09	0.03	0.06	-5.49
377	111	-1.32	0.01	2.23e-05	-8.31	0.0	7.73	4.77	-0.05	-0.03	0.01	-1.97
		-1.97	-0.02	-1.18e-04	0.0	53.6	7.73	-3.54	-0.05	-0.03	-0.02	-1.78
377	113	-5.46	0.05	-3.54e-05	-8.31	0.0	-18.67	4.21	0.08	0.03	3.37e-03	-6.03
		-6.03	3.37e-03	1.19e-04	0.0	53.6	-18.67	-4.11	0.08	0.03	0.05	-6.00
377	114	-0.77	0.01	-1.13e-05	-8.31	0.0	10.87	4.36	-0.03	-0.03	0.01	-1.38
		-1.38	-0.01	-1.18e-04	0.0	53.6	10.87	-3.95	-0.03	-0.03	-0.01	-1.28
377	140	-5.14	0.07	-6.42e-05	-8.31	0.0	-17.00	3.74	0.10	0.03	5.29e-03	-5.67
		-5.73	5.29e-03	1.35e-04	0.0	53.6	-17.00	-4.57	0.10	0.03	0.07	-5.73
377	143	-1.09	0.01	2.73e-05	-8.31	0.0	9.20	4.83	-0.06	-0.03	0.01	-1.75
		-1.75	-0.02	-1.34e-04	0.0	53.6	9.20	-3.48	-0.06	-0.03	-0.02	-1.55
377	145	-5.76	0.06	-3.75e-05	-8.31	0.0	-20.54	4.20	0.09	0.04	2.71e-03	-6.33
		-6.33	2.71e-03	1.35e-04	0.0	53.6	-20.54	-4.11	0.09	0.04	0.06	-6.30
377	146	-0.48	0.02	-1.05e-05	-8.31	0.0	12.74	4.37	-0.04	-0.04	0.02	-1.09
		-1.09	-0.01	-1.34e-04	0.0	53.6	12.74	-3.94	-0.04	-0.04	-0.01	-0.98
377	172	-5.13	0.06	-6.15e-05	-8.31	0.0	-16.93	3.76	0.10	0.03	5.78e-03	-5.65
		-5.71	5.78e-03	1.45e-04	0.0	53.6	-16.93	-4.55	0.10	0.03	0.06	-5.71
377	175	-1.10	0.01	2.46e-05	-8.31	0.0	9.13	4.80	-0.06	-0.03	0.01	-1.76

		-1.76	-0.02	-1.44e-04	0.0	53.6	9.13	-3.51	-0.06	-0.03	-0.02	-1.57
377	177	-5.74	0.05	-3.54e-05	-8.31	0.0	-20.46	4.21	0.09	0.04	3.27e-03	-6.31
		-6.31	3.27e-03	1.45e-04	0.0	53.6	-20.46	-4.10	0.09	0.04	0.05	-6.28
377	178	-0.50	0.01	-1.16e-05	-8.31	0.0	12.65	4.35	-0.04	-0.04	0.01	-1.11
		-1.11	-0.01	-1.44e-04	0.0	53.6	12.65	-3.96	-0.04	-0.04	-0.01	-1.00
377	204	-5.47	0.07	-6.73e-05	-8.31	0.0	-19.18	3.68	0.12	0.03	5.39e-03	-5.99
		-6.07	5.39e-03	1.76e-04	0.0	53.6	-19.18	-4.63	0.12	0.03	0.07	-6.07
377	207	-0.76	0.01	3.05e-05	-8.31	0.0	11.37	4.88	-0.07	-0.03	0.01	-1.43
		-1.43	-0.03	-1.76e-04	0.0	53.6	11.37	-3.43	-0.07	-0.03	-0.03	-1.21
377	209	-6.18	0.06	-3.71e-05	-8.31	0.0	-23.31	4.20	0.10	0.04	2.49e-03	-6.75
		-6.75	2.49e-03	1.76e-04	0.0	53.6	-23.31	-4.11	0.10	0.04	0.06	-6.73
377	210	-0.05	0.02	-1.12e-05	-8.31	0.0	15.50	4.36	-0.05	-0.04	0.02	-0.66
		-0.66	-0.02	-1.75e-04	0.0	53.6	15.50	-3.95	-0.05	-0.04	-0.02	-0.55
378	4	-5.13	0.04	-8.77e-05	-15.69	0.0	-6.19	8.79	-0.29	-8.47e-03	0.04	-6.45
		-6.45	-0.11	5.54e-06	0.0	53.6	-6.19	-6.90	-0.29	-8.47e-03	-0.11	-5.95
378	19	-1.56	0.01	-4.26e-05	-4.17	0.0	-2.00	3.02	-0.12	-7.97e-03	0.01	-2.14
		-2.14	-0.05	1.96e-06	0.0	53.6	-2.00	-1.15	-0.12	-7.97e-03	-0.05	-1.64
378	28	-5.58	0.04	-6.65e-05	-15.69	0.0	-7.51	7.98	-0.25	-2.46e-03	0.04	-6.66
		-6.66	-0.10	4.81e-06	0.0	53.6	-7.51	-7.72	-0.25	-2.46e-03	-0.10	-6.59
378	68	-3.61	0.03	-6.07e-05	-10.80	0.0	-4.44	6.05	-0.20	-5.78e-03	0.03	-4.52
		-4.52	-0.08	3.84e-06	0.0	53.6	-4.44	-4.74	-0.20	-5.78e-03	-0.08	-4.17
378	72	-1.83	0.02	-3.87e-05	-4.58	0.0	-2.46	3.01	-0.12	-5.92e-03	0.02	-2.36
		-2.36	-0.05	2.01e-06	0.0	53.6	-2.46	-1.57	-0.12	-5.92e-03	-0.05	-1.98
378	80	-3.91	0.03	-4.66e-05	-10.80	0.0	-5.32	5.51	-0.18	-1.77e-03	0.03	-4.66
		-4.66	-0.07	3.35e-06	0.0	53.6	-5.32	-5.28	-0.18	-1.77e-03	-0.07	-4.60
378	98	-3.14	0.02	-4.40e-05	-8.93	0.0	-4.17	4.80	-0.16	-2.61e-03	0.02	-3.83
		-3.83	-0.06	3.04e-06	0.0	53.6	-4.17	-4.13	-0.16	-2.61e-03	-0.06	-3.65
378	102	-2.05	0.01	-2.92e-05	-4.58	0.0	-2.95	2.65	-0.10	-2.45e-03	0.01	-2.46
		-2.46	-0.04	1.85e-06	0.0	53.6	-2.95	-1.93	-0.10	-2.45e-03	-0.04	-2.27
378	105	-3.04	0.02	-3.92e-05	-8.31	0.0	-4.18	4.39	-0.14	-2.00e-03	0.02	-3.66
		-3.66	-0.05	2.74e-06	0.0	53.6	-4.18	-3.92	-0.14	-2.00e-03	-0.05	-3.54
378	106	-2.10	0.01	-2.69e-05	-4.58	0.0	-3.08	2.56	-0.10	-1.58e-03	0.01	-2.48
		-2.48	-0.04	1.81e-06	0.0	53.6	-3.08	-2.02	-0.10	-1.58e-03	-0.04	-2.34
378	107	-2.99	0.02	-4.16e-05	-8.31	0.0	-4.01	4.48	-0.15	-2.47e-03	0.02	-3.64
		-3.64	-0.06	2.87e-06	0.0	53.6	-4.01	-3.83	-0.15	-2.47e-03	-0.06	-3.46
378	113	-5.85	0.51	-8.57e-05	-8.31	0.0	-23.14	6.58	0.87	-0.03	0.04	-6.00
		-7.06	0.04	1.31e-04	0.0	53.6	-23.14	-1.73	0.87	-0.03	0.51	-7.06
378	114	0.20	1.31e-03	-1.01e-05	-8.31	0.0	15.11	2.39	-1.16	0.03	1.31e-03	-1.28
		-1.28	-0.62	-1.25e-04	0.0	53.6	15.11	-5.93	-1.16	0.03	-0.62	0.13
378	125	-4.87	0.26	5.52e-05	-8.31	0.0	-14.05	0.12	0.41	2.24e-03	0.01	-4.87
		-7.09	0.01	1.74e-05	0.0	53.6	-14.05	-8.19	0.41	2.24e-03	0.26	-7.09
378	142	0.63	1.74e-03	-1.71e-05	-8.31	0.0	16.37	2.77	-1.25	0.02	1.74e-03	-1.13
		-1.13	-0.67	-1.27e-04	0.0	53.6	16.37	-5.54	-1.25	0.02	-0.67	0.60
378	145	-6.18	0.58	-9.13e-05	-8.31	0.0	-25.56	6.84	1.00	-0.04	0.04	-6.30
		-7.51	0.04	1.47e-04	0.0	53.6	-25.56	-1.47	1.00	-0.04	0.58	-7.51
378	146	0.63	-1.15e-03	8.12e-06	-8.31	0.0	17.54	2.12	-1.29	0.03	-1.15e-03	-0.98
		-0.98	-0.69	-1.42e-04	0.0	53.6	17.54	-6.19	-1.29	0.03	-0.69	0.58
378	157	-5.02	0.30	6.73e-05	-8.31	0.0	-15.35	-0.43	0.48	2.86e-03	0.01	-5.02
		-7.55	0.01	1.89e-05	0.0	53.6	-15.35	-8.74	0.48	2.86e-03	0.30	-7.55
378	177	-6.16	0.58	-8.66e-05	-8.31	0.0	-25.55	6.70	0.99	-0.03	0.04	-6.28
		-7.49	0.04	1.57e-04	0.0	53.6	-25.55	-1.62	0.99	-0.03	0.58	-7.49
378	178	0.61	-4.71e-04	-1.00e-05	-8.31	0.0	17.52	2.27	-1.28	0.03	-4.71e-04	-1.00
		-1.00	-0.69	-1.51e-04	0.0	53.6	17.52	-6.04	-1.28	0.03	-0.69	0.56
378	181	-5.72	0.48	-5.65e-05	-8.31	0.0	-23.09	6.12	0.82	0.03	0.03	-5.73
		-7.62	0.03	1.66e-04	0.0	53.6	-23.09	-2.19	0.82	0.03	0.48	-7.62
378	182	0.70	7.35e-03	-2.88e-05	-8.31	0.0	15.07	2.85	-1.11	-0.04	7.35e-03	-1.55
		-1.55	-0.59	-1.60e-04	0.0	53.6	15.07	-5.47	-1.11	-0.04	-0.59	0.70
378	209	-6.66	0.69	-9.18e-05	-8.31	0.0	-29.31	7.00	1.19	-0.04	0.05	-6.73
		-8.19	0.05	1.89e-04	0.0	53.6	-29.31	-1.31	1.19	-0.04	0.69	-8.19
378	210	1.28	-3.84e-03	8.62e-06	-8.31	0.0	21.28	1.96	-1.48	0.03	-3.84e-03	-0.55
		-0.55	-0.80	-1.84e-04	0.0	53.6	21.28	-6.35	-1.48	0.03	-0.80	1.26
378	213	-6.14	0.59	-5.69e-05	-8.31	0.0	-27.03	6.42	1.01	0.04	0.04	-6.14
		-8.46	0.04	2.06e-04	0.0	53.6	-27.03	-1.89	1.01	0.04	0.59	-8.46
378	214	1.53	4.87e-03	-2.90e-05	-8.31	0.0	19.00	2.54	-1.31	-0.04	4.87e-03	-1.14
		-1.14	-0.70	-2.00e-04	0.0	53.6	19.00	-5.77	-1.31	-0.04	-0.70	1.53
379	4	-3.34	0.02	2.60e-04	-17.44	0.0	-7.65	1.20	0.13	-3.31e-03	-0.05	-3.37
		-7.85	-0.05	-3.58e-06	0.0	59.6	-7.65	-16.24	0.13	-3.31e-03	0.02	-7.85
379	18	-2.78	0.02	2.36e-04	-14.33	0.0	-8.89	0.19	0.12	-2.78e-03	-0.05	-2.78
		-6.94	-0.05	-3.38e-06	0.0	59.6	-8.89	-14.14	0.12	-2.78e-03	0.02	-6.94
379	19	-0.93	0.01	1.08e-04	-4.63	0.0	-6.59	-1.07	0.06	-1.02e-03	-0.02	-0.93
		-2.95	-0.02	-1.73e-06	0.0	59.6	-6.59	-5.71	0.06	-1.02e-03	0.01	-2.95
379	45	-1.14	6.81e-03	7.45e-05	-4.63	0.0	1.74	0.15	0.04	-1.77e-03	-0.02	-1.14
		-2.43	-0.02	-1.59e-06	0.0	59.6	1.74	-4.49	0.04	-1.77e-03	6.81e-03	-2.43
379	68	-2.32	0.02	1.82e-04	-12.00	0.0	-5.33	0.71	0.09	-2.33e-03	-0.04	-2.33
		-5.49	-0.04	-2.52e-06	0.0	59.6	-5.33	-11.29	0.09	-2.33e-03	0.02	-5.49

379	72	-1.05	0.01	1.09e-04	-5.09	0.0	-5.23	-0.81	0.06	-1.18e-03	-0.02	-1.05
		-3.05	-0.02	-1.67e-06	0.0	59.6	-5.23	-5.90	0.06	-1.18e-03	0.01	-3.05
379	75	-1.95	0.02	1.66e-04	-9.93	0.0	-6.16	0.04	0.09	-1.98e-03	-0.03	-1.95
		-4.88	-0.03	-2.38e-06	0.0	59.6	-6.16	-9.89	0.09	-1.98e-03	0.02	-4.88
379	85	-1.19	8.03e-03	8.63e-05	-5.09	0.0	0.32	4.53e-03	0.05	-1.69e-03	-0.02	-1.19
		-2.71	-0.02	-1.57e-06	0.0	59.6	0.32	-5.09	0.05	-1.69e-03	8.03e-03	-2.71
379	98	-1.95	0.01	1.45e-04	-9.93	0.0	-3.10	0.79	0.08	-2.01e-03	-0.03	-1.97
		-4.46	-0.03	-1.96e-06	0.0	59.6	-3.10	-9.14	0.08	-2.01e-03	0.01	-4.46
379	102	-1.11	9.58e-03	9.96e-05	-5.09	0.0	-2.87	-0.48	0.05	-1.31e-03	-0.02	-1.11
		-2.91	-0.02	-1.44e-06	0.0	59.6	-2.87	-5.57	0.05	-1.31e-03	9.58e-03	-2.91
379	103	-1.82	0.01	1.40e-04	-9.24	0.0	-3.58	0.53	0.07	-1.88e-03	-0.03	-1.83
		-4.27	-0.03	-1.93e-06	0.0	59.6	-3.58	-8.70	0.07	-1.88e-03	0.01	-4.27
379	104	-1.14	9.06e-03	9.51e-05	-5.09	0.0	-1.76	-0.31	0.05	-1.41e-03	-0.02	-1.14
		-2.85	-0.02	-1.42e-06	0.0	59.6	-1.76	-5.41	0.05	-1.41e-03	9.06e-03	-2.85
379	106	-1.13	9.32e-03	9.73e-05	-5.09	0.0	-2.28	-0.39	0.05	-1.34e-03	-0.02	-1.13
		-2.88	-0.02	-1.38e-06	0.0	59.6	-2.28	-5.49	0.05	-1.34e-03	9.32e-03	-2.88
379	107	-1.83	0.01	1.38e-04	-9.24	0.0	-2.99	0.62	0.07	-1.91e-03	-0.03	-1.85
		-4.23	-0.03	-1.88e-06	0.0	59.6	-2.99	-8.62	0.07	-1.91e-03	0.01	-4.23
379	108	5.26	0.18	4.48e-04	-9.24	0.0	2.38	-16.58	-0.28	-0.02	0.18	5.26
		-7.45	8.50e-03	2.19e-04	0.0	59.6	2.38	-25.81	-0.28	-0.02	8.50e-03	-7.45
379	111	-1.01	0.02	-1.71e-04	-9.24	0.0	-8.35	17.81	0.43	0.02	-0.24	-8.96
		-8.96	-0.24	-2.23e-04	0.0	59.6	-8.35	8.58	0.43	0.02	0.02	-1.01
379	120	3.68	0.26	3.60e-04	-9.24	0.0	3.70	-12.12	-0.42	-0.02	0.26	3.68
		-6.42	9.74e-03	2.71e-04	0.0	59.6	3.70	-21.36	-0.42	-0.02	9.74e-03	-6.42
379	123	-2.05	0.02	-8.37e-05	-9.24	0.0	-9.67	13.36	0.56	0.01	-0.32	-7.37
		-7.37	-0.32	-2.74e-04	0.0	59.6	-9.67	4.12	0.56	0.01	0.02	-2.05
379	125	-2.42	0.13	4.62e-05	-9.24	0.0	27.65	4.94	-0.20	-0.02	0.13	-3.22
		-3.22	0.02	1.39e-04	0.0	59.6	27.65	-4.29	-0.20	-0.02	0.02	-2.99
379	126	-0.47	0.01	2.30e-04	-9.24	0.0	-33.63	-3.71	0.34	0.02	-0.19	-0.47
		-5.47	-0.19	-1.42e-04	0.0	59.6	-33.63	-12.94	0.34	0.02	0.01	-5.47
379	140	6.16	0.21	4.87e-04	-9.24	0.0	3.05	-18.74	-0.33	-0.03	0.21	6.16
		-7.86	7.94e-03	2.47e-04	0.0	59.6	3.05	-27.98	-0.33	-0.03	7.94e-03	-7.86
379	143	-0.60	0.02	-2.10e-04	-9.24	0.0	-9.03	19.98	0.47	0.02	-0.27	-9.85
		-9.85	-0.27	-2.51e-04	0.0	59.6	-9.03	10.74	0.47	0.02	0.02	-0.60
379	152	4.39	0.30	3.88e-04	-9.24	0.0	4.58	-13.74	-0.48	-0.02	0.30	4.39
		-6.69	9.36e-03	3.08e-04	0.0	59.6	4.58	-22.98	-0.48	-0.02	9.36e-03	-6.69
379	155	-1.78	0.02	-1.12e-04	-9.24	0.0	-10.55	14.98	0.63	0.01	-0.36	-8.08
		-8.08	-0.36	-3.11e-04	0.0	59.6	-10.55	5.74	0.63	0.01	0.02	-1.78
379	157	-2.40	0.15	3.49e-05	-9.24	0.0	31.50	5.47	-0.24	-0.02	0.15	-3.39
		-3.39	0.02	1.57e-04	0.0	59.6	31.50	-3.76	-0.24	-0.02	0.02	-2.84
379	158	-0.31	0.01	2.41e-04	-9.24	0.0	-37.48	-4.24	0.38	0.02	-0.21	-0.31
		-5.62	-0.21	-1.61e-04	0.0	59.6	-37.48	-13.47	0.38	0.02	0.01	-5.62
379	172	6.08	0.20	4.81e-04	-9.24	0.0	2.75	-18.47	-0.32	-0.03	0.20	6.08
		-7.76	8.30e-03	2.52e-04	0.0	59.6	2.75	-27.70	-0.32	-0.03	8.30e-03	-7.76
379	175	-0.70	0.02	-2.04e-04	-9.24	0.0	-8.73	19.70	0.46	0.02	-0.26	-9.78
		-9.78	-0.26	-2.55e-04	0.0	59.6	-8.73	10.47	0.46	0.02	0.02	-0.70
379	184	4.45	0.31	3.85e-04	-9.24	0.0	4.80	-13.70	-0.50	-0.01	0.31	4.45
		-6.58	9.85e-03	3.27e-04	0.0	59.6	4.80	-22.94	-0.50	-0.01	9.85e-03	-6.58
379	187	-1.88	0.02	-1.09e-04	-9.24	0.0	-10.77	14.94	0.64	0.01	-0.37	-8.14
		-8.14	-0.37	-3.30e-04	0.0	59.6	-10.77	5.70	0.64	0.01	0.02	-1.88
379	193	-2.38	0.17	1.76e-05	-9.24	0.0	31.20	6.38	-0.25	-0.02	0.17	-3.71
		-3.71	0.02	1.71e-04	0.0	59.6	31.20	-2.86	-0.25	-0.02	0.02	-2.63
379	194	0.02	0.01	2.59e-04	-9.24	0.0	-37.18	-5.14	0.40	0.01	-0.22	0.02
		-5.83	-0.22	-1.75e-04	0.0	59.6	-37.18	-14.38	0.40	0.01	0.01	-5.83
379	204	7.43	0.24	5.37e-04	-9.24	0.0	3.63	-21.65	-0.39	-0.03	0.24	7.43
		-8.33	7.57e-03	2.99e-04	0.0	59.6	3.63	-30.88	-0.39	-0.03	7.57e-03	-8.33
379	207	-0.14	0.02	-2.61e-04	-9.24	0.0	-9.61	22.88	0.53	0.02	-0.30	-11.12
		-11.12	-0.30	-3.02e-04	0.0	59.6	-9.61	13.65	0.53	0.02	0.02	-0.14
379	216	5.68	0.38	4.31e-04	-9.24	0.0	6.59	-16.43	-0.61	-0.02	0.38	5.68
		-6.99	9.42e-03	3.99e-04	0.0	59.6	6.59	-25.67	-0.61	-0.02	9.42e-03	-6.99
379	219	-1.47	0.02	-1.55e-04	-9.24	0.0	-12.56	17.67	0.75	0.01	-0.44	-9.38
		-9.38	-0.44	-4.03e-04	0.0	59.6	-12.56	8.43	0.75	0.01	0.02	-1.47
379	225	-2.26	0.20	-1.07e-05	-9.24	0.0	37.04	7.19	-0.32	-0.02	0.20	-3.96
		-3.96	0.02	2.08e-04	0.0	59.6	37.04	-2.05	-0.32	-0.02	0.02	-2.38
379	226	0.27	0.01	2.76e-04	-9.24	0.0	-43.02	-5.95	0.46	0.02	-0.26	0.27
		-6.08	-0.26	-2.12e-04	0.0	59.6	-43.02	-15.19	0.46	0.02	0.01	-6.08
380	4	-6.18	0.02	8.78e-05	-17.44	0.0	-5.02	9.88	-0.04	-3.31e-03	0.02	-7.85
		-7.85	9.03e-04	0.0	0.0	59.6	-5.02	-7.56	-0.04	-3.31e-03	9.03e-04	-7.16
380	18	-5.51	0.02	7.86e-05	-14.33	0.0	-5.74	8.29	-0.04	-2.78e-03	0.02	-6.94
		-6.94	1.07e-03	0.0	0.0	59.6	-5.74	-6.04	-0.04	-2.78e-03	1.07e-03	-6.27
380	45	-2.13	6.81e-03	2.82e-05	-4.63	0.0	0.67	2.18	-0.01	-1.77e-03	6.81e-03	-2.43
		-2.51	1.11e-04	0.0	0.0	59.6	0.67	-2.45	-0.01	-1.77e-03	1.11e-04	-2.51
380	47	-3.83	0.01	5.28e-05	-11.88	0.0	-0.13	6.22	-0.02	-2.78e-03	0.01	-4.79
		-4.79	8.81e-05	0.0	0.0	59.6	-0.13	-5.66	-0.02	-2.78e-03	8.81e-05	-4.63
380	68	-4.34	0.02	6.16e-05	-12.00	0.0	-3.52	6.79	-0.03	-2.33e-03	0.02	-5.49

		-5.49	6.65e-04	0.0	0.0	59.6	-3.52	-5.21	-0.03	-2.33e-03	6.65e-04	-5.02
380	75	-3.90	0.02	5.54e-05	-9.93	0.0	-3.99	5.73	-0.03	-1.98e-03	0.02	-4.88
		-4.88	7.74e-04	0.0	0.0	59.6	-3.99	-4.20	-0.03	-1.98e-03	7.74e-04	-4.43
380	85	-2.33	8.03e-03	3.14e-05	-5.09	0.0	-0.15	2.56	-0.01	-1.69e-03	8.03e-03	-2.71
		-2.71	2.44e-04	0.0	0.0	59.6	-0.15	-2.54	-0.01	-1.69e-03	2.44e-04	-2.70
380	87	-3.46	0.01	4.78e-05	-9.93	0.0	-0.68	5.25	-0.02	-2.36e-03	0.01	-4.28
		-4.28	2.28e-04	0.0	0.0	59.6	-0.68	-4.68	-0.02	-2.36e-03	2.28e-04	-4.11
380	98	-3.55	0.01	4.99e-05	-9.93	0.0	-2.17	5.48	-0.02	-2.01e-03	0.01	-4.46
		-4.46	4.82e-04	0.0	0.0	59.6	-2.17	-4.44	-0.02	-2.01e-03	4.82e-04	-4.15
380	103	-3.41	0.01	4.80e-05	-9.24	0.0	-2.44	5.14	-0.02	-1.88e-03	0.01	-4.27
		-4.27	5.35e-04	0.0	0.0	59.6	-2.44	-4.09	-0.02	-1.88e-03	5.35e-04	-3.95
380	104	-2.41	9.06e-03	3.31e-05	-5.09	0.0	-1.33	2.74	-0.01	-1.41e-03	9.06e-03	-2.85
		-2.85	4.47e-04	0.0	0.0	59.6	-1.33	-2.35	-0.01	-1.41e-03	4.47e-04	-2.73
380	105	-3.37	0.01	4.71e-05	-9.24	0.0	-1.79	5.05	-0.02	-1.98e-03	0.01	-4.20
		-4.20	4.34e-04	0.0	0.0	59.6	-1.79	-4.18	-0.02	-1.98e-03	4.34e-04	-3.94
380	106	-2.42	9.32e-03	3.35e-05	-5.09	0.0	-1.63	2.79	-0.01	-1.34e-03	9.32e-03	-2.88
		-2.88	4.98e-04	0.0	0.0	59.6	-1.63	-2.30	-0.01	-1.34e-03	4.98e-04	-2.74
380	107	-3.39	0.01	4.76e-05	-9.24	0.0	-2.09	5.10	-0.02	-1.91e-03	0.01	-4.23
		-4.23	4.85e-04	0.0	0.0	59.6	-2.09	-4.14	-0.02	-1.91e-03	4.85e-04	-3.95
380	108	-6.29	8.50e-03	1.35e-04	-9.24	0.0	4.14	4.15	-0.01	-0.02	8.50e-03	-7.45
		-7.45	-5.22e-04	2.23e-04	0.0	59.6	4.14	-5.08	-0.01	-0.02	-5.22e-04	-6.63
380	111	-0.44	0.02	-4.11e-05	-9.24	0.0	-8.32	6.04	-0.03	0.02	0.02	-1.01
		-1.26	1.49e-03	-2.24e-04	0.0	59.6	-8.32	-3.19	-0.03	0.02	1.49e-03	-1.26
380	114	-0.35	0.02	-2.63e-05	-9.24	0.0	-17.53	6.97	-0.03	0.03	0.02	-1.86
		-1.86	3.37e-03	-2.23e-04	0.0	59.6	-17.53	-2.27	-0.03	0.03	3.37e-03	-0.53
380	125	-2.99	0.02	3.32e-05	-9.24	0.0	16.97	3.00	-0.03	-0.02	0.02	-2.99
		-6.16	-3.48e-03	1.44e-04	0.0	59.6	16.97	-6.24	-0.03	-0.02	-3.48e-03	-6.16
380	126	-1.73	0.01	6.19e-05	-9.24	0.0	-21.15	7.20	-0.01	0.02	0.01	-5.47
		-5.47	4.45e-03	-1.44e-04	0.0	59.6	-21.15	-2.04	-0.01	0.02	4.45e-03	-1.73
380	140	-6.65	7.94e-03	1.46e-04	-9.24	0.0	4.93	4.03	-0.01	-0.03	7.94e-03	-7.86
		-7.86	-6.49e-04	2.52e-04	0.0	59.6	4.93	-5.20	-0.01	-0.03	-6.49e-04	-6.97
380	143	-0.07	0.02	-5.14e-05	-9.24	0.0	-9.11	6.16	-0.03	0.02	0.02	-0.60
		-0.92	1.62e-03	-2.52e-04	0.0	59.6	-9.11	-3.07	-0.03	0.02	1.62e-03	-0.92
380	146	0.05	0.02	-3.31e-05	-9.24	0.0	-19.47	7.20	-0.03	0.03	0.02	-1.56
		-1.56	3.73e-03	-2.52e-04	0.0	59.6	-19.47	-2.03	-0.03	0.03	3.73e-03	-0.10
380	157	-2.84	0.02	3.14e-05	-9.24	0.0	19.37	2.73	-0.03	-0.02	0.02	-2.84
		-6.44	-3.98e-03	1.63e-04	0.0	59.6	19.37	-6.50	-0.03	-0.02	-3.98e-03	-6.44
380	158	-1.45	0.01	6.37e-05	-9.24	0.0	-23.55	7.46	-0.01	0.02	0.01	-5.62
		-5.62	4.95e-03	-1.63e-04	0.0	59.6	-23.55	-1.77	-0.01	0.02	4.95e-03	-1.45
380	173	-6.25	0.01	1.21e-04	-9.24	0.0	15.55	2.92	-0.02	-0.03	0.01	-6.42
		-7.80	-2.89e-03	3.06e-04	0.0	59.6	15.55	-6.31	-0.02	-0.03	-2.89e-03	-7.80
380	175	-0.13	0.02	-5.06e-05	-9.24	0.0	-9.13	6.15	-0.03	0.02	0.02	-0.70
		-0.95	1.60e-03	-2.56e-04	0.0	59.6	-9.13	-3.08	-0.03	0.02	1.60e-03	-0.95
380	178	8.92e-03	0.02	-3.26e-05	-9.24	0.0	-19.35	7.18	-0.03	0.03	0.02	-1.62
		-1.62	3.68e-03	-2.56e-04	0.0	59.6	-19.35	-2.06	-0.03	0.03	3.68e-03	-0.13
380	189	-2.86	0.02	3.19e-05	-9.24	0.0	19.28	2.74	-0.03	-0.02	0.02	-2.86
		-6.41	-3.94e-03	1.68e-04	0.0	59.6	19.28	-6.50	-0.03	-0.02	-3.94e-03	-6.41
380	190	-1.48	0.01	6.32e-05	-9.24	0.0	-23.46	7.46	-0.01	0.02	0.01	-5.60
		-5.60	4.91e-03	-1.69e-04	0.0	59.6	-23.46	-1.78	-0.01	0.02	4.91e-03	-1.48
380	205	-6.67	9.96e-03	1.33e-04	-9.24	0.0	18.62	2.55	-0.02	-0.04	9.96e-03	-6.77
		-8.46	-3.46e-03	3.64e-04	0.0	59.6	18.62	-6.69	-0.02	-0.04	-3.46e-03	-8.46
380	207	0.41	0.02	-6.73e-05	-9.24	0.0	-10.40	6.33	-0.03	0.02	0.02	-0.14
		-0.44	1.80e-03	-3.04e-04	0.0	59.6	-10.40	-2.90	-0.03	0.02	1.80e-03	-0.44
380	210	0.61	0.02	-4.38e-05	-9.24	0.0	-22.30	7.53	-0.03	0.03	0.02	-1.21
		-1.21	4.22e-03	-3.03e-04	0.0	59.6	-22.30	-1.71	-0.03	0.03	4.22e-03	0.51
380	221	-2.64	0.02	2.95e-05	-9.24	0.0	22.93	2.33	-0.03	-0.02	0.02	-2.64
		-6.82	-4.69e-03	2.02e-04	0.0	59.6	22.93	-6.90	-0.03	-0.02	-4.69e-03	-6.82
380	225	-2.38	0.02	2.46e-05	-9.24	0.0	22.95	2.27	-0.03	-0.02	0.02	-2.38
		-6.62	-4.59e-03	2.14e-04	0.0	59.6	22.95	-6.96	-0.03	-0.02	-4.59e-03	-6.62
380	226	-1.27	0.01	7.05e-05	-9.24	0.0	-27.13	7.92	-9.84e-03	0.02	0.01	-6.08
		-6.08	5.56e-03	-2.14e-04	0.0	59.6	-27.13	-1.31	-9.84e-03	0.02	5.56e-03	-1.27
381	4	-5.26	9.03e-04	1.33e-05	-17.44	0.0	-5.33	10.53	-6.33e-03	-3.31e-03	9.03e-04	-7.16
		-7.16	-2.87e-03	0.0	0.0	59.6	-5.33	-6.91	-6.33e-03	-3.31e-03	-2.87e-03	-6.08
381	11	-5.01	9.68e-04	1.21e-05	-14.33	0.0	-5.05	8.79	-6.46e-03	-3.06e-03	9.68e-04	-6.62
		-6.62	-2.88e-03	0.0	0.0	59.6	-5.05	-5.54	-6.46e-03	-3.06e-03	-2.88e-03	-5.65
381	16	-3.24	1.09e-03	8.71e-06	-7.08	0.0	-5.18	4.67	-5.77e-03	-1.78e-03	1.09e-03	-4.15
		-4.15	-2.35e-03	0.0	0.0	59.6	-5.18	-2.41	-5.77e-03	-1.78e-03	-2.35e-03	-3.48
381	18	-4.63	1.07e-03	1.27e-05	-14.33	0.0	-6.04	8.87	-6.41e-03	-2.78e-03	1.07e-03	-6.27
		-6.27	-2.76e-03	0.0	0.0	59.6	-6.04	-5.46	-6.41e-03	-2.78e-03	-2.76e-03	-5.25
381	19	-1.98	8.74e-04	6.34e-06	-4.63	0.0	-4.40	3.14	-4.18e-03	-1.02e-03	8.74e-04	-2.61
		-2.61	-1.62e-03	0.0	0.0	59.6	-4.40	-1.49	-4.18e-03	-1.02e-03	-1.62e-03	-2.12
381	45	-2.13	1.11e-04	-3.73e-06	-4.63	0.0	0.60	2.44	-2.42e-03	-1.77e-03	1.11e-04	-2.51
		-2.51	-1.33e-03	0.0	0.0	59.6	0.60	-2.19	-2.42e-03	-1.77e-03	-1.33e-03	-2.44
381	68	-3.72	6.65e-04	9.17e-06	-12.00	0.0	-3.74	7.25	-4.61e-03	-2.33e-03	6.65e-04	-5.02
		-5.02	-2.09e-03	0.0	0.0	59.6	-3.74	-4.75	-4.61e-03	-2.33e-03	-2.09e-03	-4.27

381	71	-3.55	7.08e-04	8.41e-06	-9.93	0.0	-3.55	6.09	-4.70e-03	-2.16e-03	7.08e-04	-4.66
		-4.66	-2.09e-03	0.0	0.0	59.6	-3.55	-3.84	-4.70e-03	-2.16e-03	-2.09e-03	-3.99
381	72	-2.13	7.53e-04	5.75e-06	-5.09	0.0	-3.58	3.30	-3.97e-03	-1.18e-03	7.53e-04	-2.77
		-2.77	-1.61e-03	0.0	0.0	59.6	-3.58	-1.79	-3.97e-03	-1.18e-03	-1.61e-03	-2.32
381	73	-2.36	7.89e-04	6.12e-06	-5.09	0.0	-3.64	3.34	-4.24e-03	-1.31e-03	7.89e-04	-3.02
		-3.02	-1.74e-03	0.0	0.0	59.6	-3.64	-1.75	-4.24e-03	-1.31e-03	-1.74e-03	-2.54
381	75	-3.30	7.74e-04	8.76e-06	-9.93	0.0	-4.21	6.14	-4.67e-03	-1.98e-03	7.74e-04	-4.43
		-4.43	-2.01e-03	0.0	0.0	59.6	-4.21	-3.79	-4.67e-03	-1.98e-03	-2.01e-03	-3.73
381	85	-2.23	2.44e-04	-3.73e-06	-5.09	0.0	-0.25	2.83	-2.79e-03	-1.69e-03	2.44e-04	-2.70
		-2.70	-1.42e-03	0.0	0.0	59.6	-0.25	-2.26	-2.79e-03	-1.69e-03	-1.42e-03	-2.53
381	98	-3.12	4.82e-04	-7.81e-06	-9.93	0.0	-2.36	5.86	-3.80e-03	-2.01e-03	4.82e-04	-4.15
		-4.15	-1.79e-03	0.0	0.0	59.6	-2.36	-4.06	-3.80e-03	-2.01e-03	-1.79e-03	-3.61
381	101	-3.08	4.99e-04	-6.94e-06	-9.24	0.0	-2.30	5.48	-3.85e-03	-1.96e-03	4.99e-04	-4.04
		-4.04	-1.80e-03	0.0	0.0	59.6	-2.30	-3.76	-3.85e-03	-1.96e-03	-1.80e-03	-3.53
381	102	-2.18	5.49e-04	4.29e-06	-5.09	0.0	-2.14	3.11	-3.50e-03	-1.31e-03	5.49e-04	-2.74
		-2.74	-1.53e-03	0.0	0.0	59.6	-2.14	-1.98	-3.50e-03	-1.31e-03	-1.53e-03	-2.41
381	103	-2.97	5.35e-04	-6.97e-06	-9.24	0.0	-2.63	5.51	-3.86e-03	-1.88e-03	5.35e-04	-3.95
		-3.95	-1.77e-03	0.0	0.0	59.6	-2.63	-3.72	-3.86e-03	-1.88e-03	-1.77e-03	-3.42
381	104	-2.20	4.47e-04	3.57e-06	-5.09	0.0	-1.48	3.02	-3.26e-03	-1.41e-03	4.47e-04	-2.73
		-2.73	-1.50e-03	0.0	0.0	59.6	-1.48	-2.08	-3.26e-03	-1.41e-03	-1.50e-03	-2.45
381	106	-2.19	4.98e-04	3.93e-06	-5.09	0.0	-1.79	3.06	-3.38e-03	-1.34e-03	4.98e-04	-2.74
		-2.74	-1.52e-03	0.0	0.0	59.6	-1.79	-2.03	-3.38e-03	-1.34e-03	-1.52e-03	-2.43
381	107	-2.98	4.85e-04	-7.13e-06	-9.24	0.0	-2.27	5.46	-3.74e-03	-1.91e-03	4.85e-04	-3.95
		-3.95	-1.75e-03	0.0	0.0	59.6	-2.27	-3.77	-3.74e-03	-1.91e-03	-1.75e-03	-3.44
381	109	-5.61	-7.87e-04	2.09e-05	-9.24	0.0	14.41	6.75	2.55e-03	-0.03	-2.54e-03	-7.40
		-7.40	-2.54e-03	2.69e-04	0.0	59.6	14.41	-2.48	2.55e-03	-0.03	-7.87e-04	-5.72
381	114	-0.06	3.37e-03	-1.93e-05	-9.24	0.0	-18.85	3.76	-9.74e-03	0.03	3.37e-03	-0.53
		-1.00	-2.67e-03	-2.26e-04	0.0	59.6	-18.85	-5.47	-9.74e-03	0.03	-2.67e-03	-1.00
381	125	-4.63	-3.67e-04	-8.36e-06	-9.24	0.0	17.56	3.70	5.06e-03	-0.02	-3.48e-03	-6.16
		-6.16	-3.48e-03	1.47e-04	0.0	59.6	17.56	-5.54	5.06e-03	-0.02	-3.67e-04	-4.81
381	126	-1.20	4.45e-03	1.39e-05	-9.24	0.0	-22.11	7.23	-0.01	0.02	4.45e-03	-1.73
		-2.07	-3.13e-03	-1.47e-04	0.0	59.6	-22.11	-2.01	-0.01	0.02	-3.13e-03	-2.07
381	141	-5.93	-6.75e-04	2.26e-05	-9.24	0.0	16.53	6.91	3.33e-03	-0.03	-2.92e-03	-7.84
		-7.84	-2.92e-03	3.04e-04	0.0	59.6	16.53	-2.32	3.33e-03	-0.03	-6.75e-04	-6.01
381	146	0.32	3.73e-03	-2.09e-05	-9.24	0.0	-20.94	3.55	-0.01	0.03	3.73e-03	-0.10
		-0.69	-2.78e-03	-2.54e-04	0.0	59.6	-20.94	-5.69	-0.01	0.03	-2.78e-03	-0.69
381	157	-4.83	-1.98e-04	-8.60e-06	-9.24	0.0	20.07	3.48	6.16e-03	-0.02	-3.98e-03	-6.44
		-6.44	-3.98e-03	1.66e-04	0.0	59.6	20.07	-5.76	6.16e-03	-0.02	-1.98e-04	-4.99
381	158	-0.97	4.95e-03	1.48e-05	-9.24	0.0	-24.62	7.45	-0.01	0.02	4.95e-03	-1.45
		-1.89	-3.30e-03	-1.67e-04	0.0	59.6	-24.62	-1.79	-0.01	0.02	-3.30e-03	-1.89
381	173	-5.93	-7.55e-04	2.17e-05	-9.24	0.0	16.52	6.83	3.22e-03	-0.03	-2.89e-03	-7.80
		-7.80	-2.89e-03	3.10e-04	0.0	59.6	16.52	-2.40	3.22e-03	-0.03	-7.55e-04	-6.02
381	178	0.30	3.68e-03	-2.03e-05	-9.24	0.0	-20.84	3.63	-0.01	0.03	3.68e-03	-0.13
		-0.69	-2.70e-03	-2.58e-04	0.0	59.6	-20.84	-5.61	-0.01	0.03	-2.70e-03	-0.69
381	189	-4.84	-2.50e-04	-8.64e-06	-9.24	0.0	19.98	3.49	6.04e-03	-0.02	-3.94e-03	-6.41
		-6.41	-3.94e-03	1.72e-04	0.0	59.6	19.98	-5.74	6.04e-03	-0.02	-2.50e-04	-5.01
381	190	-0.97	4.91e-03	1.49e-05	-9.24	0.0	-24.53	7.43	-0.01	0.02	4.91e-03	-1.48
		-1.87	-3.24e-03	-1.72e-04	0.0	59.6	-24.53	-1.80	-0.01	0.02	-3.24e-03	-1.87
381	205	-6.43	-6.04e-04	2.41e-05	-9.24	0.0	19.80	7.03	4.41e-03	-0.04	-3.46e-03	-8.46
		-8.46	-3.46e-03	3.68e-04	0.0	59.6	19.80	-2.20	4.41e-03	-0.04	-6.04e-04	-6.48
381	210	0.89	4.22e-03	-2.27e-05	-9.24	0.0	-24.03	3.35	-0.01	0.03	4.22e-03	0.51
		-0.21	-2.85e-03	-3.05e-04	0.0	59.6	-24.03	-5.89	-0.01	0.03	-2.85e-03	-0.21
381	221	-5.17	-1.14e-05	-9.00e-06	-9.24	0.0	23.79	3.17	7.67e-03	-0.02	-4.69e-03	-6.82
		-6.82	-4.69e-03	2.06e-04	0.0	59.6	23.79	-6.07	7.67e-03	-0.02	-1.14e-05	-5.30
381	222	-0.61	5.65e-03	1.63e-05	-9.24	0.0	-28.34	7.76	-0.02	0.02	5.65e-03	-1.07
		-1.58	-3.48e-03	-2.06e-04	0.0	59.6	-28.34	-1.48	-0.02	0.02	-3.48e-03	-1.58
382	11	-4.16	0.02	-4.00e-05	-14.33	0.0	-3.87	8.48	0.03	-3.06e-03	-2.88e-03	-5.65
		-5.65	-2.88e-03	0.0	0.0	59.6	-3.87	-5.85	0.03	-3.06e-03	0.02	-4.86
382	18	-3.77	0.02	-3.59e-05	-14.33	0.0	-4.42	8.46	0.03	-2.78e-03	-2.76e-03	-5.25
		-5.25	-2.76e-03	0.0	0.0	59.6	-4.42	-5.87	0.03	-2.78e-03	0.02	-4.48
382	19	-1.58	7.54e-03	-1.18e-05	-4.63	0.0	-3.01	2.88	0.02	-1.02e-03	-1.62e-03	-2.12
		-2.12	-1.62e-03	0.0	0.0	59.6	-3.01	-1.75	0.02	-1.02e-03	7.54e-03	-1.78
382	28	-4.54	0.02	-5.06e-05	-17.44	0.0	-2.47	10.05	0.04	-3.76e-03	-2.70e-03	-6.27
		-6.27	-2.70e-03	0.0	0.0	59.6	-2.47	-7.39	0.04	-3.76e-03	0.02	-5.47
382	45	-1.97	0.01	-2.55e-05	-4.63	0.0	-0.28	2.69	0.02	-1.77e-03	-1.33e-03	-2.44
		-2.44	-1.33e-03	0.0	0.0	59.6	-0.28	-1.94	0.02	-1.77e-03	0.01	-2.21
382	71	-2.95	0.01	-2.85e-05	-9.93	0.0	-2.74	5.88	0.02	-2.16e-03	-2.09e-03	-3.99
		-3.99	-2.09e-03	0.0	0.0	59.6	-2.74	-4.04	0.02	-2.16e-03	0.01	-3.44
382	72	-1.75	8.30e-03	-1.49e-05	-5.09	0.0	-2.55	3.11	0.02	-1.18e-03	-1.61e-03	-2.32
		-2.32	-1.61e-03	0.0	0.0	59.6	-2.55	-1.98	0.02	-1.18e-03	8.30e-03	-1.98
382	75	-2.69	0.01	-2.56e-05	-9.93	0.0	-3.10	5.87	0.02	-1.98e-03	-2.01e-03	-3.73
		-3.73	-2.01e-03	0.0	0.0	59.6	-3.10	-4.06	0.02	-1.98e-03	0.01	-3.19
382	80	-3.21	0.01	-3.55e-05	-12.00	0.0	-1.80	6.93	0.03	-2.63e-03	-1.97e-03	-4.40
		-4.40	-1.97e-03	0.0	0.0	59.6	-1.80	-5.07	0.03	-2.63e-03	0.01	-3.85
382	85	-2.01	9.99e-03	-2.40e-05	-5.09	0.0	-0.73	2.99	0.02	-1.69e-03	-1.42e-03	-2.53

		-2.53	-1.42e-03	0.0	0.0	59.6	-0.73	-2.11	0.02	-1.69e-03	9.99e-03	-2.27
382	98	-2.61	0.01	-2.79e-05	-9.93	0.0	-2.00	5.76	0.02	-2.01e-03	-1.79e-03	-3.61
		-3.61	-1.79e-03	0.0	0.0	59.6	-2.00	-4.16	0.02	-2.01e-03	0.01	-3.13
382	101	-2.59	0.01	-2.71e-05	-9.24	0.0	-1.95	5.39	0.02	-1.96e-03	-1.80e-03	-3.53
		-3.53	-1.80e-03	0.0	0.0	59.6	-1.95	-3.84	0.02	-1.96e-03	0.01	-3.07
382	102	-1.86	8.99e-03	-1.83e-05	-5.09	0.0	-1.71	3.06	0.02	-1.31e-03	-1.53e-03	-2.41
		-2.41	-1.53e-03	0.0	0.0	59.6	-1.71	-2.03	0.02	-1.31e-03	8.99e-03	-2.10
382	103	-2.48	0.01	-2.58e-05	-9.24	0.0	-2.14	5.39	0.02	-1.88e-03	-1.77e-03	-3.42
		-3.42	-1.77e-03	0.0	0.0	59.6	-2.14	-3.85	0.02	-1.88e-03	0.01	-2.96
382	104	-1.91	9.33e-03	-2.01e-05	-5.09	0.0	-1.35	3.04	0.02	-1.41e-03	-1.50e-03	-2.45
		-2.45	-1.50e-03	0.0	0.0	59.6	-1.35	-2.06	0.02	-1.41e-03	9.33e-03	-2.16
382	106	-1.88	9.16e-03	-1.92e-05	-5.09	0.0	-1.50	3.05	0.02	-1.34e-03	-1.52e-03	-2.43
		-2.43	-1.52e-03	0.0	0.0	59.6	-1.50	-2.04	0.02	-1.34e-03	9.16e-03	-2.13
382	107	-2.51	0.01	-2.65e-05	-9.24	0.0	-1.93	5.38	0.02	-1.91e-03	-1.75e-03	-3.44
		-3.44	-1.75e-03	0.0	0.0	59.6	-1.93	-3.86	0.02	-1.91e-03	0.01	-2.99
382	113	-4.50	5.96e-03	-2.03e-05	-9.24	0.0	7.50	6.69	0.01	-0.03	-8.24e-04	-5.88
		-5.88	-8.24e-04	2.27e-04	0.0	59.6	7.50	-2.54	0.01	-0.03	5.96e-03	-4.74
382	114	-0.43	0.02	-3.27e-05	-9.24	0.0	-11.36	4.06	0.03	0.03	-2.67e-03	-1.00
		-1.24	-2.67e-03	-2.28e-04	0.0	59.6	-11.36	-5.18	0.03	0.03	0.02	-1.24
382	127	-3.01	0.02	-5.70e-05	-9.24	0.0	4.42	3.63	0.04	-4.16e-03	-7.27e-04	-3.58
		-3.83	-7.27e-04	0.0	0.0	59.6	4.42	-5.60	0.04	-4.16e-03	0.02	-3.83
382	128	-1.88	1.18e-03	-1.24e-05	-9.24	0.0	-8.51	7.01	6.73e-03	2.42e-03	-3.14e-03	-3.22
		-3.22	-3.14e-03	2.85e-06	0.0	59.6	-8.51	-2.23	6.73e-03	2.42e-03	1.18e-03	-2.13
382	133	-4.33	0.01	-4.22e-05	-9.24	0.0	8.87	5.32	0.02	-0.03	-4.89e-04	-5.36
		-5.36	-4.89e-04	-1.32e-06	0.0	59.6	8.87	-3.92	0.02	-0.03	0.01	-4.74
382	134	-0.68	8.88e-03	-1.69e-05	-9.24	0.0	-12.73	5.44	0.02	0.02	-3.00e-03	-1.52
		-1.52	-3.00e-03	0.0	0.0	59.6	-12.73	-3.80	0.02	0.02	8.88e-03	-1.23
382	145	-4.75	5.33e-03	-1.95e-05	-9.24	0.0	8.69	6.86	0.01	-0.04	-7.16e-04	-6.19
		-6.19	-7.16e-04	2.56e-04	0.0	59.6	8.69	-2.37	0.01	-0.04	5.33e-03	-4.96
382	146	-0.16	0.02	-3.36e-05	-9.24	0.0	-12.55	3.89	0.03	0.03	-2.78e-03	-0.69
		-1.02	-2.78e-03	-2.57e-04	0.0	59.6	-12.55	-5.35	0.03	0.03	0.02	-1.02
382	159	-3.07	0.02	-6.11e-05	-9.24	0.0	5.22	3.42	0.04	-4.40e-03	-5.98e-04	-3.60
		-3.94	-5.98e-04	0.0	0.0	59.6	5.22	-5.82	0.04	-4.40e-03	0.02	-3.94
382	160	-1.80	-2.29e-05	-1.10e-05	-9.24	0.0	-9.33	7.21	4.93e-03	2.99e-03	-3.31e-03	-3.19
		-3.19	-3.31e-03	3.30e-06	0.0	59.6	-9.33	-2.03	4.93e-03	2.99e-03	-2.29e-05	-2.03
382	165	-4.56	0.01	-4.44e-05	-9.24	0.0	10.22	5.31	0.02	-0.03	-3.34e-04	-5.60
		-5.60	-3.34e-04	-1.95e-06	0.0	59.6	10.22	-3.93	0.02	-0.03	0.01	-4.96
382	166	-0.45	8.62e-03	-1.60e-05	-9.24	0.0	-14.08	5.44	0.02	0.02	-3.16e-03	-1.28
		-1.28	-3.16e-03	1.24e-06	0.0	59.6	-14.08	-3.79	0.02	0.02	8.62e-03	-1.01
382	177	-4.75	5.55e-03	-1.96e-05	-9.24	0.0	8.66	6.82	0.01	-0.03	-7.92e-04	-6.19
		-6.19	-7.92e-04	2.59e-04	0.0	59.6	8.66	-2.41	0.01	-0.03	5.55e-03	-4.96
382	178	-0.16	0.02	-3.35e-05	-9.24	0.0	-12.52	3.93	0.03	0.03	-2.70e-03	-0.69
		-1.02	-2.70e-03	-2.60e-04	0.0	59.6	-12.52	-5.31	0.03	0.03	0.02	-1.02
382	191	-3.08	0.02	-6.07e-05	-9.24	0.0	5.17	3.46	0.04	-4.09e-03	-6.07e-04	-3.62
		-3.94	-6.07e-04	2.44e-06	0.0	59.6	5.17	-5.78	0.04	-4.09e-03	0.02	-3.94
382	192	-1.81	2.54e-04	-1.11e-05	-9.24	0.0	-9.21	7.17	5.41e-03	2.86e-03	-3.26e-03	-3.19
		-3.19	-3.26e-03	4.10e-06	0.0	59.6	-9.21	-2.07	5.41e-03	2.86e-03	2.54e-04	-2.04
382	197	-4.53	0.01	-4.38e-05	-9.24	0.0	10.03	5.32	0.02	-0.03	-3.74e-04	-5.58
		-5.58	-3.74e-04	-4.62e-06	0.0	59.6	10.03	-3.91	0.02	-0.03	0.01	-4.93
382	198	-0.48	8.70e-03	-1.63e-05	-9.24	0.0	-13.89	5.43	0.02	0.02	-3.12e-03	-1.30
		-1.30	-3.12e-03	3.92e-06	0.0	59.6	-13.89	-3.81	0.02	0.02	8.70e-03	-1.04
382	209	-5.13	4.71e-03	-1.85e-05	-9.24	0.0	10.49	7.05	9.52e-03	-0.04	-6.46e-04	-6.67
		-6.67	-6.46e-04	3.06e-04	0.0	59.6	10.49	-2.18	9.52e-03	-0.04	4.71e-03	-5.30
382	210	0.26	0.02	-3.46e-05	-9.24	0.0	-14.35	3.70	0.03	0.03	-2.85e-03	-0.21
		-0.67	-2.85e-03	-3.07e-04	0.0	59.6	-14.35	-5.54	0.03	0.03	0.02	-0.67
382	223	-3.18	0.02	-6.67e-05	-9.24	0.0	6.36	3.15	0.04	-4.38e-03	-4.22e-04	-3.67
		-4.10	-4.22e-04	4.91e-06	0.0	59.6	6.36	-6.09	0.04	-4.38e-03	0.02	-4.10
382	224	-1.69	-1.46e-03	-9.19e-06	-9.24	0.0	-10.37	7.46	2.89e-03	3.57e-03	-3.50e-03	-3.16
		-3.16	-3.50e-03	5.96e-06	0.0	59.6	-10.37	-1.78	2.89e-03	3.57e-03	-1.46e-03	-1.89
382	229	-4.87	0.01	-4.68e-05	-9.24	0.0	11.97	5.31	0.02	-0.03	-1.53e-04	-5.94
		-5.94	-1.53e-04	-7.46e-06	0.0	59.6	11.97	-3.92	0.02	-0.03	0.01	-5.25
382	230	-0.14	8.34e-03	-1.51e-05	-9.24	0.0	-15.83	5.44	0.02	0.03	-3.34e-03	-0.94
		-0.94	-3.34e-03	6.76e-06	0.0	59.6	-15.83	-3.80	0.02	0.03	8.34e-03	-0.72
383	4	-1.95	0.02	-1.26e-04	-17.44	0.0	-4.13	13.81	4.51e-03	-3.31e-03	0.02	-5.21
		-5.21	0.02	1.57e-06	0.0	59.6	-4.13	-3.62	4.51e-03	-3.31e-03	0.02	-2.18
383	19	-0.86	7.54e-03	-3.76e-05	-4.63	0.0	-2.07	3.78	-3.78e-03	-1.02e-03	7.54e-03	-1.78
		-1.78	5.29e-03	0.0	0.0	59.6	-2.07	-0.85	-3.78e-03	-1.02e-03	5.29e-03	-0.91
383	28	-1.69	0.02	-1.50e-04	-17.44	0.0	-3.92	14.88	6.22e-03	-3.76e-03	0.02	-5.47
		-5.47	0.02	1.51e-06	0.0	59.6	-3.92	-2.56	6.22e-03	-3.76e-03	0.02	-1.80
383	45	-0.28	0.01	-7.88e-05	-4.63	0.0	-1.72	5.56	-9.30e-04	-1.77e-03	0.01	-2.21
		-2.21	9.52e-03	0.0	0.0	59.6	-1.72	0.92	-9.30e-04	-1.77e-03	9.52e-03	-0.28
383	53	-0.59	8.83e-03	-5.83e-05	-4.63	0.0	-1.71	4.67	-2.38e-03	-1.25e-03	8.83e-03	-2.00
		-2.00	7.41e-03	0.0	0.0	59.6	-1.71	0.04	-2.38e-03	-1.25e-03	7.41e-03	-0.59
383	68	-1.36	0.01	-8.99e-05	-12.00	0.0	-2.93	9.64	2.50e-03	-2.33e-03	0.01	-3.67
		-3.67	0.01	1.14e-06	0.0	59.6	-2.93	-2.35	2.50e-03	-2.33e-03	0.01	-1.50

383	72	-0.83	8.30e-03	-4.76e-05	-5.09	0.0	-2.04	4.44	-2.95e-03	-1.18e-03	8.30e-03	-1.98
		-1.98	6.54e-03	0.0	0.0	59.6	-2.04	-0.66	-2.95e-03	-1.18e-03	6.54e-03	-0.86
383	80	-1.18	0.02	-1.06e-04	-12.00	0.0	-2.79	10.35	3.64e-03	-2.63e-03	0.01	-3.85
		-3.85	0.01	1.10e-06	0.0	59.6	-2.79	-1.64	3.64e-03	-2.63e-03	0.02	-1.25
383	85	-0.44	9.99e-03	-7.50e-05	-5.09	0.0	-1.80	5.62	-1.05e-03	-1.69e-03	9.99e-03	-2.27
		-2.27	9.36e-03	0.0	0.0	59.6	-1.80	0.53	-1.05e-03	-1.69e-03	9.36e-03	-0.44
383	89	-0.65	9.16e-03	-6.14e-05	-5.09	0.0	-1.80	5.03	-2.02e-03	-1.34e-03	9.16e-03	-2.13
		-2.13	7.96e-03	0.0	0.0	59.6	-1.80	-0.06	-2.02e-03	-1.34e-03	7.96e-03	-0.65
383	97	-0.65	9.16e-03	-6.14e-05	-5.09	0.0	-1.80	5.03	-2.02e-03	-1.34e-03	9.16e-03	-2.13
		-2.13	7.96e-03	0.0	0.0	59.6	-1.80	-0.06	-2.02e-03	-1.34e-03	7.96e-03	-0.65
383	98	-1.05	0.01	-8.26e-05	-9.93	0.0	-2.43	8.33	1.38e-03	-2.01e-03	0.01	-3.13
		-3.13	0.01	1.10e-06	0.0	59.6	-2.43	-1.59	1.38e-03	-2.01e-03	0.01	-1.12
383	102	-0.69	8.99e-03	-5.86e-05	-5.09	0.0	-1.85	4.91	-2.21e-03	-1.31e-03	8.99e-03	-2.10
		-2.10	7.67e-03	0.0	0.0	59.6	-1.85	-0.18	-2.21e-03	-1.31e-03	7.67e-03	-0.69
383	104	-0.61	9.33e-03	-6.41e-05	-5.09	0.0	-1.80	5.15	-1.83e-03	-1.41e-03	9.33e-03	-2.16
		-2.16	8.24e-03	0.0	0.0	59.6	-1.80	0.05	-1.83e-03	-1.41e-03	8.24e-03	-0.61
383	106	-0.65	9.16e-03	-6.14e-05	-5.09	0.0	-1.80	5.03	-2.02e-03	-1.34e-03	9.16e-03	-2.13
		-2.13	7.96e-03	0.0	0.0	59.6	-1.80	-0.06	-2.02e-03	-1.34e-03	7.96e-03	-0.65
383	107	-1.00	0.01	-7.96e-05	-9.24	0.0	-2.34	7.86	8.99e-04	-1.91e-03	0.01	-2.99
		-2.99	0.01	1.07e-06	0.0	59.6	-2.34	-1.38	8.99e-04	-1.91e-03	0.01	-1.06
383	108	-2.46	2.25e-03	-1.37e-04	-9.24	0.0	2.74	9.59	-0.24	-0.02	2.25e-03	-3.96
		-3.96	-0.14	2.30e-04	0.0	59.6	2.74	0.35	-0.24	-0.02	-0.14	-2.64
383	111	0.53	0.16	-2.71e-05	-9.24	0.0	-7.42	6.13	0.24	0.02	0.02	-2.02
		-2.02	0.02	-2.28e-04	0.0	59.6	-7.42	-3.10	0.24	0.02	0.16	0.53
383	113	-1.59	5.96e-03	-2.00e-04	-9.24	0.0	4.36	12.63	-0.19	-0.03	5.96e-03	-4.74
		-4.74	-0.11	2.29e-04	0.0	59.6	4.36	3.40	-0.19	-0.03	-0.11	-1.59
383	114	-0.15	0.13	4.04e-05	-9.24	0.0	-9.04	3.09	0.19	0.03	0.02	-1.24
		-1.24	0.02	-2.27e-04	0.0	59.6	-9.04	-6.15	0.19	0.03	0.13	-0.52
383	131	1.31	0.10	-1.78e-04	-9.24	0.0	-1.85	12.32	0.14	-6.25e-03	0.02	-3.84
		-3.84	0.02	-1.97e-06	0.0	59.6	-1.85	3.09	0.14	-6.25e-03	0.10	1.31
383	133	0.08	0.02	-1.97e-04	-9.24	0.0	2.97	13.50	0.01	-0.03	0.01	-4.74
		-4.74	0.01	-1.28e-06	0.0	59.6	2.97	4.26	0.01	-0.03	0.02	0.08
383	140	-2.64	1.16e-03	-1.45e-04	-9.24	0.0	3.38	9.81	-0.27	-0.03	1.16e-03	-4.08
		-4.08	-0.16	2.59e-04	0.0	59.6	3.38	0.57	-0.27	-0.03	-0.16	-2.84
383	143	0.73	0.18	-2.25e-05	-9.24	0.0	-8.06	5.92	0.27	0.02	0.02	-1.89
		-1.89	0.02	-2.57e-04	0.0	59.6	-8.06	-3.32	0.27	0.02	0.18	0.73
383	145	-1.66	5.33e-03	-2.14e-04	-9.24	0.0	5.21	13.23	-0.22	-0.04	5.33e-03	-4.96
		-4.96	-0.12	2.58e-04	0.0	59.6	5.21	4.00	-0.22	-0.04	-0.12	-1.66
383	146	-0.02	0.15	5.53e-05	-9.24	0.0	-9.89	2.49	0.22	0.03	0.02	-1.02
		-1.02	0.02	-2.56e-04	0.0	59.6	-9.89	-6.75	0.22	0.03	0.15	-0.45
383	163	1.61	0.12	-1.90e-04	-9.24	0.0	-1.79	12.88	0.16	-6.81e-03	0.02	-3.95
		-3.95	0.02	-2.32e-06	0.0	59.6	-1.79	3.65	0.16	-6.81e-03	0.12	1.61
383	165	0.22	0.02	-2.12e-04	-9.24	0.0	3.63	14.20	0.02	-0.03	0.01	-4.96
		-4.96	0.01	-2.08e-06	0.0	59.6	3.63	4.97	0.02	-0.03	0.02	0.22
383	172	-2.58	1.48e-03	-1.41e-04	-9.24	0.0	3.35	9.76	-0.27	-0.03	1.48e-03	-4.09
		-4.09	-0.16	2.62e-04	0.0	59.6	3.35	0.53	-0.27	-0.03	-0.16	-2.77
383	175	0.66	0.18	-2.50e-05	-9.24	0.0	-8.03	5.96	0.27	0.02	0.02	-1.89
		-1.89	0.02	-2.60e-04	0.0	59.6	-8.03	-3.28	0.27	0.02	0.18	0.66
383	177	-1.61	5.55e-03	-2.09e-04	-9.24	0.0	5.14	13.14	-0.21	-0.03	5.55e-03	-4.96
		-4.96	-0.12	2.61e-04	0.0	59.6	5.14	3.90	-0.21	-0.03	-0.12	-1.61
383	178	-0.05	0.15	5.03e-05	-9.24	0.0	-9.82	2.58	0.22	0.03	0.02	-1.02
		-1.02	0.02	-2.59e-04	0.0	59.6	-9.82	-6.65	0.22	0.03	0.15	-0.50
383	185	-1.62	7.58e-03	-1.80e-04	-9.24	0.0	3.69	13.45	-0.18	-0.03	7.58e-03	-4.97
		-4.97	-0.10	2.85e-04	0.0	59.6	3.69	4.22	-0.18	-0.03	-0.10	-1.62
383	195	1.57	0.12	-1.89e-04	-9.24	0.0	-1.83	12.82	0.16	-6.69e-03	0.02	-3.93
		-3.93	0.02	-2.89e-06	0.0	59.6	-1.83	3.59	0.16	-6.69e-03	0.12	1.57
383	204	-2.83	-1.66e-05	-1.50e-04	-9.24	0.0	4.32	10.08	-0.32	-0.03	-1.66e-05	-4.29
		-4.29	-0.19	3.09e-04	0.0	59.6	4.32	0.85	-0.32	-0.03	-0.19	-3.03
383	207	0.91	0.21	-1.96e-05	-9.24	0.0	-9.00	5.64	0.32	0.02	0.02	-1.69
		-1.69	0.02	-3.07e-04	0.0	59.6	-9.00	-3.60	0.32	0.02	0.21	0.91
383	209	-1.68	4.71e-03	-2.29e-04	-9.24	0.0	6.41	14.01	-0.25	-0.04	4.71e-03	-5.30
		-5.30	-0.15	3.09e-04	0.0	59.6	6.41	4.77	-0.25	-0.04	-0.15	-1.68
383	210	0.14	0.17	7.03e-05	-9.24	0.0	-11.09	1.71	0.25	0.03	0.02	-0.67
		-0.67	0.02	-3.06e-04	0.0	59.6	-11.09	-7.52	0.25	0.03	0.17	-0.44
383	217	-1.73	7.09e-03	-1.98e-04	-9.24	0.0	4.82	14.51	-0.21	-0.03	7.09e-03	-5.36
		-5.36	-0.12	3.47e-04	0.0	59.6	4.82	5.27	-0.21	-0.03	-0.12	-1.73
383	227	2.01	0.13	-2.07e-04	-9.24	0.0	-1.76	13.62	0.19	-7.39e-03	0.02	-4.08
		-4.08	0.02	-4.42e-06	0.0	59.6	-1.76	4.39	0.19	-7.39e-03	0.13	2.01
384	4	2.35	0.02	-1.22e-04	-6.56	0.0	-5.64	23.47	-0.61	-3.31e-03	0.02	-2.18
		-2.18	-0.12	3.64e-06	0.0	22.4	-5.64	16.91	-0.61	-3.31e-03	-0.12	2.35
384	19	0.40	5.29e-03	-3.66e-05	-1.74	0.0	-1.59	6.70	-0.24	-1.02e-03	5.29e-03	-0.91
		-0.91	-0.05	1.31e-06	0.0	22.4	-1.59	4.96	-0.24	-1.02e-03	-0.05	0.40
384	28	3.66	0.02	-1.45e-04	-6.56	0.0	-7.02	27.61	-0.68	-3.76e-03	0.02	-1.80
		-1.80	-0.13	4.01e-06	0.0	22.4	-7.02	21.04	-0.68	-3.76e-03	-0.13	3.66
384	44	3.89	0.02	-1.39e-04	-5.39	0.0	-6.85	26.13	-0.66	-3.53e-03	0.02	-1.37

		-1.37	-0.13	3.72e-06	0.0	22.4	-6.85	20.73	-0.66	-3.53e-03	-0.13	3.89
384	68	1.74	0.01	-8.73e-05	-4.52	0.0	-4.03	16.69	-0.44	-2.33e-03	0.01	-1.50
		-1.50	-0.08	2.62e-06	0.0	22.4	-4.03	12.17	-0.44	-2.33e-03	-0.08	1.74
384	72	0.82	6.54e-03	-4.59e-05	-1.92	0.0	-2.06	8.44	-0.27	-1.18e-03	6.54e-03	-0.86
		-0.86	-0.05	1.54e-06	0.0	22.4	-2.06	6.52	-0.27	-1.18e-03	-0.05	0.82
384	80	2.61	0.02	-1.02e-04	-4.52	0.0	-4.95	19.45	-0.49	-2.63e-03	0.02	-1.25
		-1.25	-0.09	2.87e-06	0.0	22.4	-4.95	14.93	-0.49	-2.63e-03	-0.09	2.61
384	88	2.76	0.01	-9.83e-05	-3.74	0.0	-4.84	18.46	-0.47	-2.48e-03	0.01	-0.96
		-0.96	-0.09	2.67e-06	0.0	22.4	-4.84	14.72	-0.47	-2.48e-03	-0.09	2.76
384	98	1.86	0.01	-7.98e-05	-3.74	0.0	-3.79	15.19	-0.40	-2.01e-03	0.01	-1.12
		-1.12	-0.08	2.39e-06	0.0	22.4	-3.79	11.45	-0.40	-2.01e-03	-0.08	1.86
384	101	1.89	0.01	-7.91e-05	-3.48	0.0	-3.71	14.95	-0.40	-1.96e-03	0.01	-1.07
		-1.07	-0.08	2.38e-06	0.0	22.4	-3.71	11.47	-0.40	-1.96e-03	-0.08	1.89
384	102	1.40	7.67e-03	-5.61e-05	-1.92	0.0	-2.59	10.29	-0.31	-1.31e-03	7.67e-03	-0.69
		-0.69	-0.06	1.78e-06	0.0	22.4	-2.59	8.37	-0.31	-1.31e-03	-0.06	1.40
384	105	1.96	0.01	-7.92e-05	-3.48	0.0	-3.81	15.01	-0.40	-1.98e-03	0.01	-1.01
		-1.01	-0.08	2.34e-06	0.0	22.4	-3.81	11.53	-0.40	-1.98e-03	-0.08	1.96
384	106	1.55	7.96e-03	-5.86e-05	-1.92	0.0	-2.72	10.75	-0.32	-1.34e-03	7.96e-03	-0.65
		-0.65	-0.06	1.84e-06	0.0	22.4	-2.72	8.83	-0.32	-1.34e-03	-0.06	1.55
384	107	1.82	0.01	-7.67e-05	-3.48	0.0	-3.64	14.55	-0.39	-1.91e-03	0.01	-1.06
		-1.06	-0.08	2.31e-06	0.0	22.4	-3.64	11.08	-0.39	-1.91e-03	-0.08	1.82
384	113	-0.12	-0.11	-1.63e-04	-3.48	0.0	1.86	31.37	-1.23	-0.03	-0.11	-1.59
		-1.59	-0.41	8.71e-05	0.0	22.4	1.86	27.90	-1.23	-0.03	-0.41	-0.12
384	114	3.76	0.26	9.49e-06	-3.48	0.0	-9.13	-2.27	0.46	0.03	0.13	-0.52
		-0.52	0.13	-8.25e-05	0.0	22.4	-9.13	-5.74	0.46	0.03	0.26	3.76
384	124	-3.43	-0.07	2.14e-05	-3.48	0.0	6.65	-4.04	-0.36	3.30e-04	-0.09	-3.43
		-6.27	-0.09	2.65e-06	0.0	22.4	6.65	-7.52	-0.36	3.30e-04	-0.07	-6.27
384	127	9.91	0.11	-1.75e-04	-3.48	0.0	-13.93	33.15	-0.42	-4.16e-03	0.11	1.31
		1.31	-0.08	1.98e-06	0.0	22.4	-13.93	29.67	-0.42	-4.16e-03	-0.08	9.91
384	129	9.97	0.04	-2.12e-04	-3.48	0.0	-10.45	40.35	-0.82	-0.02	0.04	0.73
		0.73	-0.24	5.94e-05	0.0	22.4	-10.45	36.87	-0.82	-0.02	-0.24	9.97
384	130	-2.85	0.09	5.81e-05	-3.48	0.0	3.18	-11.24	0.05	0.01	-0.02	-2.85
		-6.33	-0.02	-5.48e-05	0.0	22.4	3.18	-14.72	0.05	0.01	0.09	-6.33
384	145	-0.37	-0.12	-1.74e-04	-3.48	0.0	2.55	33.48	-1.34	-0.04	-0.12	-1.66
		-1.66	-0.45	9.79e-05	0.0	22.4	2.55	30.00	-1.34	-0.04	-0.45	-0.37
384	146	4.01	0.30	2.03e-05	-3.48	0.0	-9.82	-4.37	0.56	0.03	0.15	-0.45
		-0.45	0.15	-9.32e-05	0.0	22.4	-9.82	-7.85	0.56	0.03	0.30	4.01
384	156	-3.72	-0.07	3.37e-05	-3.48	0.0	7.93	-6.38	-0.35	5.70e-04	-0.10	-3.72
		-7.29	-0.10	2.51e-06	0.0	22.4	7.93	-9.86	-0.35	5.70e-04	-0.07	-7.29
384	159	10.93	0.12	-1.87e-04	-3.48	0.0	-15.21	35.48	-0.42	-4.40e-03	0.12	1.61
		1.61	-0.08	2.12e-06	0.0	22.4	-15.21	32.01	-0.42	-4.40e-03	-0.08	10.93
384	161	10.99	0.04	-2.29e-04	-3.48	0.0	-11.32	43.60	-0.88	-0.02	0.04	0.96
		0.96	-0.26	6.71e-05	0.0	22.4	-11.32	40.12	-0.88	-0.02	-0.26	10.99
384	162	-3.07	0.11	7.51e-05	-3.48	0.0	4.04	-14.49	0.10	0.02	-0.02	-3.07
		-7.35	-0.02	-6.25e-05	0.0	22.4	4.04	-17.97	0.10	0.02	0.11	-7.35
384	177	-0.27	-0.12	-1.71e-04	-3.48	0.0	2.23	32.93	-1.34	-0.03	-0.12	-1.61
		-1.61	-0.45	9.89e-05	0.0	22.4	2.23	29.46	-1.34	-0.03	-0.45	-0.27
384	178	3.91	0.30	1.72e-05	-3.48	0.0	-9.50	-3.83	0.56	0.03	0.15	-0.50
		-0.50	0.15	-9.43e-05	0.0	22.4	-9.50	-7.31	0.56	0.03	0.30	3.91
384	188	-3.68	-0.07	3.33e-05	-3.48	0.0	7.67	-6.30	-0.35	2.65e-04	-0.10	-3.68
		-7.18	-0.10	1.49e-06	0.0	22.4	7.67	-9.77	-0.35	2.65e-04	-0.07	-7.18
384	191	10.82	0.12	-1.87e-04	-3.48	0.0	-14.94	35.40	-0.43	-4.09e-03	0.12	1.57
		1.57	-0.08	3.14e-06	0.0	22.4	-14.94	31.93	-0.43	-4.09e-03	-0.08	10.82
384	193	10.91	0.04	-2.27e-04	-3.48	0.0	-11.36	43.39	-0.89	-0.02	0.04	0.95
		0.95	-0.26	7.02e-05	0.0	22.4	-11.36	39.92	-0.89	-0.02	-0.26	10.91
384	194	-3.06	0.11	7.39e-05	-3.48	0.0	4.09	-14.29	0.12	0.01	-0.02	-3.06
		-7.27	-0.02	-6.56e-05	0.0	22.4	4.09	-17.77	0.12	0.01	0.11	-7.27
384	209	-0.59	-0.15	-1.85e-04	-3.48	0.0	3.06	35.84	-1.50	-0.04	-0.15	-1.68
		-1.68	-0.52	1.16e-04	0.0	22.4	3.06	32.36	-1.50	-0.04	-0.52	-0.59
384	210	4.23	0.37	3.19e-05	-3.48	0.0	-10.33	-6.74	0.73	0.03	0.17	-0.44
		-0.44	0.17	-1.12e-04	0.0	22.4	-10.33	-10.21	0.73	0.03	0.37	4.23
384	220	-4.10	-0.07	5.19e-05	-3.48	0.0	9.46	-9.82	-0.33	5.56e-04	-0.12	-4.10
		-8.66	-0.12	0.0	0.0	22.4	9.46	-13.30	-0.33	5.56e-04	-0.07	-8.66
384	223	12.30	0.14	-2.05e-04	-3.48	0.0	-16.73	38.93	-0.44	-4.38e-03	0.14	1.99
		1.99	-0.08	4.09e-06	0.0	22.4	-16.73	35.45	-0.44	-4.38e-03	-0.08	12.30
384	225	12.45	0.04	-2.53e-04	-3.48	0.0	-12.67	48.33	-0.99	-0.02	0.04	1.28
		1.28	-0.30	8.46e-05	0.0	22.4	-12.67	44.86	-0.99	-0.02	-0.30	12.45
384	226	-3.39	0.15	9.96e-05	-3.48	0.0	5.39	-19.23	0.22	0.02	-0.02	-3.39
		-8.81	-0.02	-8.00e-05	0.0	22.4	5.39	-22.70	0.22	0.02	0.15	-8.81
385	19	0.59	9.46e-03	-1.62e-05	-2.89	0.0	-0.75	1.72	0.15	8.56e-04	-0.05	0.40
		0.40	-0.05	-1.94e-06	0.0	37.2	-0.75	-1.17	0.15	8.56e-04	9.46e-03	0.50
385	28	3.85	0.03	-2.75e-05	-10.87	0.0	-7.17	3.37	0.43	2.45e-03	-0.12	3.66
		2.89	-0.12	-4.78e-06	0.0	37.2	-7.17	-7.51	0.43	2.45e-03	0.03	2.89
385	44	3.97	0.03	-2.13e-05	-8.94	0.0	-7.31	2.03	0.41	2.30e-03	-0.12	3.89
		2.98	-0.12	-4.83e-06	0.0	37.2	-7.31	-6.90	0.41	2.30e-03	0.03	2.98

385	72	0.95	0.01	-1.47e-05	-3.18	0.0	-1.46	1.48	0.17	1.00e-03	-0.05	0.82
		0.78	-0.05	-2.12e-06	0.0	37.2	-1.46	-1.70	0.17	1.00e-03	0.01	0.78
385	80	2.73	0.02	-1.92e-05	-7.48	0.0	-5.03	2.26	0.31	1.77e-03	-0.09	2.61
		2.06	-0.09	-3.45e-06	0.0	37.2	-5.03	-5.22	0.31	1.77e-03	0.02	2.06
385	88	2.82	0.02	-1.51e-05	-6.19	0.0	-5.13	1.37	0.29	1.66e-03	-0.09	2.76
		2.12	-0.09	-3.48e-06	0.0	37.2	-5.13	-4.81	0.29	1.66e-03	0.02	2.12
385	98	2.00	0.02	-1.73e-05	-6.19	0.0	-3.62	2.17	0.25	1.49e-03	-0.07	1.86
		1.52	-0.07	-2.76e-06	0.0	37.2	-3.62	-4.02	0.25	1.49e-03	0.02	1.52
385	101	2.01	0.02	-1.67e-05	-5.76	0.0	-3.55	1.94	0.25	1.50e-03	-0.07	1.89
		1.54	-0.07	-2.78e-06	0.0	37.2	-3.55	-3.82	0.25	1.50e-03	0.02	1.54
385	102	1.45	0.01	-1.14e-05	-3.18	0.0	-2.38	0.90	0.19	1.16e-03	-0.06	1.40
		1.15	-0.06	-2.30e-06	0.0	37.2	-2.38	-2.27	0.19	1.16e-03	0.01	1.15
385	105	2.07	0.02	-1.56e-05	-5.76	0.0	-3.74	1.82	0.25	1.46e-03	-0.07	1.96
		1.57	-0.07	-2.80e-06	0.0	37.2	-3.74	-3.94	0.25	1.46e-03	0.02	1.57
385	106	1.58	0.01	-1.06e-05	-3.18	0.0	-2.60	0.76	0.20	1.20e-03	-0.06	1.55
		1.24	-0.06	-2.35e-06	0.0	37.2	-2.60	-2.42	0.20	1.20e-03	0.01	1.24
385	107	1.94	0.02	-1.63e-05	-5.76	0.0	-3.48	1.97	0.24	1.45e-03	-0.07	1.82
		1.48	-0.07	-2.70e-06	0.0	37.2	-3.48	-3.79	0.24	1.45e-03	0.02	1.48
385	113	0.55	-0.04	2.37e-04	-5.76	0.0	1.39	-4.73	0.93	-0.02	-0.39	-0.12
		-0.12	-0.39	1.22e-04	0.0	37.2	1.39	-10.49	0.93	-0.02	-0.04	0.50
385	114	3.76	0.25	-2.67e-04	-5.76	0.0	-8.34	8.67	-0.45	0.02	0.25	3.76
		2.46	0.07	-1.27e-04	0.0	37.2	-8.34	2.91	-0.45	0.02	0.07	2.46
385	124	-2.93	-0.04	-6.90e-06	-5.76	0.0	8.30	9.10	0.22	4.58e-03	-0.07	-6.27
		-6.27	-0.07	-3.41e-06	0.0	37.2	8.30	3.34	0.22	4.58e-03	-0.04	-2.93
385	127	9.91	0.07	-2.58e-05	-5.76	0.0	-15.25	-5.17	0.26	-1.68e-03	-0.07	9.91
		5.89	-0.07	-1.99e-06	0.0	37.2	-15.25	-10.93	0.26	-1.68e-03	0.07	5.89
385	129	9.97	0.04	5.77e-05	-5.76	0.0	-11.82	-8.06	0.59	-0.01	-0.23	9.97
		5.91	-0.23	8.30e-05	0.0	37.2	-11.82	-13.82	0.59	-0.01	0.04	5.91
385	130	-2.95	0.09	-8.82e-05	-5.76	0.0	4.87	11.99	-0.11	0.02	0.09	-6.33
		-6.33	-4.23e-03	-8.84e-05	0.0	37.2	4.87	6.24	-0.11	0.02	-4.23e-03	-2.95
385	145	0.40	-0.05	2.68e-04	-5.76	0.0	2.00	-5.57	1.02	-0.02	-0.43	-0.37
		-0.37	-0.43	1.38e-04	0.0	37.2	2.00	-11.33	1.02	-0.02	-0.05	0.38
385	146	4.01	0.29	-2.99e-04	-5.76	0.0	-8.95	9.51	-0.53	0.03	0.29	4.01
		2.58	0.08	-1.43e-04	0.0	37.2	-8.95	3.75	-0.53	0.03	0.08	2.58
385	156	-3.48	-0.05	-5.74e-06	-5.76	0.0	9.77	10.00	0.22	4.96e-03	-0.07	-7.29
		-7.29	-0.07	-3.79e-06	0.0	37.2	9.77	4.24	0.22	4.96e-03	-0.05	-3.48
385	159	10.93	0.08	-2.70e-05	-5.76	0.0	-16.72	-6.06	0.26	-2.06e-03	-0.07	10.93
		6.44	-0.07	-1.61e-06	0.0	37.2	-16.72	-11.82	0.26	-2.06e-03	0.08	6.44
385	161	10.99	0.04	6.69e-05	-5.76	0.0	-12.88	-9.33	0.64	-0.01	-0.25	10.99
		6.46	-0.25	9.45e-05	0.0	37.2	-12.88	-15.09	0.64	-0.01	0.04	6.46
385	162	-3.50	0.11	-9.74e-05	-5.76	0.0	5.92	13.26	-0.15	0.02	0.11	-7.35
		-7.35	-6.83e-03	-9.99e-05	0.0	37.2	5.92	7.50	-0.15	0.02	-6.83e-03	-3.50
385	177	0.48	-0.05	2.58e-04	-5.76	0.0	1.60	-5.38	1.02	-0.02	-0.43	-0.27
		-0.27	-0.43	1.39e-04	0.0	37.2	1.60	-11.14	1.02	-0.02	-0.05	0.45
385	178	3.91	0.29	-2.88e-04	-5.76	0.0	-8.56	9.31	-0.54	0.02	0.29	3.91
		2.51	0.08	-1.45e-04	0.0	37.2	-8.56	3.55	-0.54	0.02	0.08	2.51
385	188	-3.41	-0.04	-7.73e-06	-5.76	0.0	9.47	9.97	0.21	4.86e-03	-0.07	-7.18
		-7.18	-0.07	-5.24e-06	0.0	37.2	9.47	4.21	0.21	4.86e-03	-0.04	-3.41
385	191	10.82	0.08	-2.49e-05	-5.76	0.0	-16.43	-6.03	0.27	-1.96e-03	-0.07	10.82
		6.37	-0.07	0.0	0.0	37.2	-16.43	-11.79	0.27	-1.96e-03	0.08	6.37
385	193	10.91	0.04	6.66e-05	-5.76	0.0	-12.94	-9.26	0.65	-0.01	-0.25	10.91
		6.40	-0.25	9.92e-05	0.0	37.2	-12.94	-15.02	0.65	-0.01	0.04	6.40
385	194	-3.44	0.11	-9.71e-05	-5.76	0.0	5.98	13.19	-0.17	0.02	0.11	-7.27
		-7.27	-6.11e-03	-1.05e-04	0.0	37.2	5.98	7.43	-0.17	0.02	-6.11e-03	-3.44
385	209	0.31	-0.06	3.00e-04	-5.76	0.0	2.26	-6.55	1.16	-0.02	-0.50	-0.59
		-0.59	-0.50	1.65e-04	0.0	37.2	2.26	-12.31	1.16	-0.02	-0.06	0.31
385	210	4.23	0.36	-3.30e-04	-5.76	0.0	-9.21	10.48	-0.67	0.03	0.36	4.23
		2.65	0.09	-1.70e-04	0.0	37.2	-9.21	4.72	-0.67	0.03	0.09	2.65
385	220	-4.21	-0.05	-7.19e-06	-5.76	0.0	11.53	11.32	0.21	5.51e-03	-0.07	-8.66
		-8.66	-0.07	-6.85e-06	0.0	37.2	11.53	5.56	0.21	5.51e-03	-0.05	-4.21
385	223	12.30	0.09	-2.55e-05	-5.76	0.0	-18.48	-7.39	0.28	-2.61e-03	-0.07	12.30
		7.17	-0.07	1.45e-06	0.0	37.2	-18.48	-13.14	0.28	-2.61e-03	0.09	7.17
385	225	12.45	0.04	8.08e-05	-5.76	0.0	-14.54	-11.19	0.73	-0.02	-0.29	12.45
		7.23	-0.29	1.21e-04	0.0	37.2	-14.54	-16.95	0.73	-0.02	0.04	7.23
385	226	-4.27	0.15	-1.11e-04	-5.76	0.0	7.59	15.12	-0.25	0.02	0.15	-8.81
		-8.81	-9.30e-03	-1.26e-04	0.0	37.2	7.59	9.36	-0.25	0.02	-9.30e-03	-4.27
386	3	2.26	0.02	-2.05e-05	-17.44	0.0	-3.34	4.93	-0.02	0.01	0.02	1.84
		-0.41	0.01	0.0	0.0	59.6	-3.34	-12.51	-0.02	0.01	0.01	-0.41
386	19	0.60	8.97e-03	-8.22e-06	-4.63	0.0	0.06	1.26	-5.12e-03	4.13e-03	8.97e-03	0.50
		-0.13	5.59e-03	0.0	0.0	59.6	0.06	-3.37	-5.12e-03	4.13e-03	5.59e-03	-0.13
386	28	3.10	0.03	3.97e-05	-17.44	0.0	-6.20	3.51	-0.03	0.01	0.03	2.89
		-0.22	0.01	-1.02e-06	0.0	59.6	-6.20	-13.93	-0.03	0.01	0.01	-0.22
386	44	3.07	0.03	4.38e-05	-14.33	0.0	-6.62	2.04	-0.03	0.01	0.03	2.98
		-0.07	0.01	-1.40e-06	0.0	59.6	-6.62	-12.29	-0.03	0.01	0.01	-0.07
386	67	1.62	0.02	1.42e-05	-12.00	0.0	-2.44	3.26	-0.02	8.49e-03	0.02	1.36

		-0.27	7.83e-03	0.0	0.0	59.6	-2.44	-8.74	-0.02	8.49e-03	7.83e-03	-0.27
386	72	0.85	0.01	-6.44e-06	-5.09	0.0	-0.75	1.08	-7.00e-03	4.90e-03	0.01	0.78
		-0.10	5.97e-03	0.0	0.0	59.6	-0.75	-4.02	-7.00e-03	4.90e-03	5.97e-03	-0.10
386	80	2.19	0.02	2.82e-05	-12.00	0.0	-4.35	2.31	-0.02	0.01	0.02	2.06
		-0.14	8.74e-03	0.0	0.0	59.6	-4.35	-9.68	-0.02	0.01	8.74e-03	-0.14
386	88	2.17	0.02	3.09e-05	-9.93	0.0	-4.63	1.33	-0.02	9.49e-03	0.02	2.12
		-0.04	8.35e-03	-1.06e-06	0.0	59.6	-4.63	-8.59	-0.02	9.49e-03	8.35e-03	-0.04
386	98	1.66	0.02	1.91e-05	-9.93	0.0	-2.94	2.15	-0.01	8.08e-03	0.02	1.52
		-0.16	7.53e-03	0.0	0.0	59.6	-2.94	-7.77	-0.01	8.08e-03	7.53e-03	-0.16
386	102	1.17	0.01	1.34e-05	-5.09	0.0	-1.87	0.57	-8.93e-03	5.64e-03	0.01	1.15
		-0.03	6.26e-03	0.0	0.0	59.6	-1.87	-4.52	-8.93e-03	5.64e-03	6.26e-03	-0.03
386	105	1.67	0.02	2.07e-05	-9.24	0.0	-3.14	1.79	-0.01	7.93e-03	0.02	1.57
		-0.12	7.42e-03	0.0	0.0	59.6	-3.14	-7.45	-0.01	7.93e-03	7.42e-03	-0.12
386	106	1.25	0.01	1.56e-05	-5.09	0.0	-2.15	0.45	-9.41e-03	5.83e-03	0.01	1.24
		-8.32e-03	6.33e-03	0.0	0.0	59.6	-2.15	-4.65	-9.41e-03	5.83e-03	6.33e-03	-8.32e-03
386	107	1.60	0.02	1.86e-05	-9.24	0.0	-2.83	1.91	-0.01	7.76e-03	0.02	1.48
		-0.13	7.36e-03	0.0	0.0	59.6	-2.83	-7.33	-0.01	7.76e-03	7.36e-03	-0.13
386	108	-0.27	6.37e-04	-5.75e-05	-9.24	0.0	5.68	6.39	0.12	0.03	-0.07	-1.50
		-1.50	-0.07	1.98e-04	0.0	59.6	5.68	-2.85	0.12	0.03	6.37e-04	-0.58
386	111	4.46	0.10	9.48e-05	-9.24	0.0	-11.34	-2.57	-0.14	-0.02	0.10	4.46
		0.31	0.01	-1.99e-04	0.0	59.6	-11.34	-11.81	-0.14	-0.02	0.01	0.31
386	124	-0.72	-1.34e-03	-8.96e-05	-9.24	0.0	8.58	8.35	0.07	4.15e-03	-0.04	-2.93
		-2.93	-0.04	-1.05e-06	0.0	59.6	8.58	-0.88	0.07	4.15e-03	-1.34e-03	-0.75
386	127	5.89	0.08	1.27e-04	-9.24	0.0	-14.24	-4.53	-0.10	0.01	0.08	5.89
		0.48	0.02	0.0	0.0	59.6	-14.24	-13.77	-0.10	0.01	0.02	0.48
386	129	5.91	0.04	1.28e-04	-9.24	0.0	-11.08	-4.57	-0.04	0.03	0.04	5.91
		0.33	0.01	1.36e-04	0.0	59.6	-11.08	-13.81	-0.04	0.03	0.01	0.33
386	130	-0.58	1.14e-03	-9.05e-05	-9.24	0.0	5.42	8.39	9.70e-03	-0.01	-3.46e-03	-2.95
		-2.95	-3.46e-03	-1.37e-04	0.0	59.6	5.42	-0.84	9.70e-03	-0.01	1.14e-03	-0.60
386	140	-0.43	-1.97e-04	-6.71e-05	-9.24	0.0	6.74	6.95	0.13	0.03	-0.08	-1.87
		-1.87	-0.08	2.23e-04	0.0	59.6	6.74	-2.28	0.13	0.03	-1.97e-04	-0.63
386	143	4.83	0.11	1.04e-04	-9.24	0.0	-12.40	-3.13	-0.16	-0.02	0.11	4.83
		0.36	0.01	-2.24e-04	0.0	59.6	-12.40	-12.37	-0.16	-0.02	0.01	0.36
386	156	-0.83	-2.42e-03	-1.03e-04	-9.24	0.0	10.00	9.16	0.08	3.67e-03	-0.05	-3.48
		-3.48	-0.05	-1.57e-06	0.0	59.6	10.00	-0.08	0.08	3.67e-03	-2.42e-03	-0.83
386	159	6.44	0.08	1.40e-04	-9.24	0.0	-15.66	-5.34	-0.11	0.01	0.08	6.44
		0.56	0.02	0.0	0.0	59.6	-15.66	-14.58	-0.11	0.01	0.02	0.56
386	161	6.46	0.04	1.41e-04	-9.24	0.0	-12.12	-5.39	-0.04	0.03	0.04	6.46
		0.39	0.01	1.54e-04	0.0	59.6	-12.12	-14.62	-0.04	0.03	0.01	0.39
386	162	-0.66	3.48e-04	-1.04e-04	-9.24	0.0	6.46	9.21	0.01	-0.02	-5.84e-03	-3.50
		-3.50	-5.84e-03	-1.55e-04	0.0	59.6	6.46	-0.03	0.01	-0.02	3.48e-04	-0.66
386	172	-0.38	1.83e-04	-6.51e-05	-9.24	0.0	6.24	6.81	0.13	0.03	-0.08	-1.76
		-1.76	-0.08	2.26e-04	0.0	59.6	6.24	-2.42	0.13	0.03	1.83e-04	-0.61
386	175	4.72	0.11	1.02e-04	-9.24	0.0	-11.90	-2.99	-0.16	-0.02	0.11	4.72
		0.34	0.01	-2.27e-04	0.0	59.6	-11.90	-12.23	-0.16	-0.02	0.01	0.34
386	188	-0.81	-2.20e-03	-1.02e-04	-9.24	0.0	9.73	9.07	0.08	3.56e-03	-0.05	-3.41
		-3.41	-0.05	-3.99e-06	0.0	59.6	9.73	-0.17	0.08	3.56e-03	-2.20e-03	-0.81
386	191	6.37	0.08	1.39e-04	-9.24	0.0	-15.39	-5.25	-0.11	0.01	0.08	6.37
		0.54	0.02	2.72e-06	0.0	59.6	-15.39	-14.49	-0.11	0.01	0.02	0.54
386	193	6.40	0.04	1.40e-04	-9.24	0.0	-12.18	-5.32	-0.04	0.03	0.04	6.40
		0.39	0.01	1.61e-04	0.0	59.6	-12.18	-14.56	-0.04	0.03	0.01	0.39
386	194	-0.66	3.17e-04	-1.03e-04	-9.24	0.0	6.52	9.14	0.01	-0.02	-5.03e-03	-3.44
		-3.44	-5.03e-03	-1.63e-04	0.0	59.6	6.52	-0.09	0.01	-0.02	3.17e-04	-0.66
386	204	-0.55	-8.57e-04	-7.86e-05	-9.24	0.0	7.52	7.59	0.16	0.04	-0.09	-2.25
		-2.25	-0.09	2.67e-04	0.0	59.6	7.52	-1.64	0.16	0.04	-8.57e-04	-0.68
386	207	5.22	0.13	1.16e-04	-9.24	0.0	-13.18	-3.77	-0.19	-0.02	0.13	5.22
		0.41	0.02	-2.68e-04	0.0	59.6	-13.18	-13.01	-0.19	-0.02	0.02	0.41
386	220	-0.92	-3.72e-03	-1.22e-04	-9.24	0.0	11.72	10.25	0.10	2.63e-03	-0.06	-4.21
		-4.21	-0.06	-6.55e-06	0.0	59.6	11.72	1.02	0.10	2.63e-03	-3.72e-03	-0.92
386	223	7.17	0.09	1.59e-04	-9.24	0.0	-17.38	-6.43	-0.13	0.01	0.09	7.17
		0.65	0.02	5.27e-06	0.0	59.6	-17.38	-15.67	-0.13	0.01	0.02	0.65
386	225	7.23	0.04	1.61e-04	-9.24	0.0	-13.76	-6.55	-0.04	0.04	0.04	7.23
		0.48	0.02	1.96e-04	0.0	59.6	-13.76	-15.79	-0.04	0.04	0.02	0.48
386	226	-0.74	-8.71e-04	-1.24e-04	-9.24	0.0	8.10	10.37	0.01	-0.02	-7.80e-03	-4.27
		-4.27	-7.80e-03	-1.97e-04	0.0	59.6	8.10	1.13	0.01	-0.02	-8.71e-04	-0.74
387	19	6.03e-03	5.48e-03	-5.39e-06	-4.63	0.0	0.21	1.45	-8.31e-03	2.64e-03	5.48e-03	-0.13
		-0.65	4.08e-04	0.0	0.0	59.6	0.21	-3.19	-8.31e-03	2.64e-03	4.08e-04	-0.65
387	28	0.34	0.01	3.86e-05	-17.44	0.0	-6.56	5.72	-0.02	0.01	0.01	-0.22
		-2.00	-4.87e-05	0.0	0.0	59.6	-6.56	-11.72	-0.02	0.01	-4.87e-05	-2.00
387	31	0.29	8.60e-03	3.07e-05	-14.99	0.0	-5.43	5.17	-0.01	9.14e-03	8.60e-03	-0.24
		-1.62	-1.11e-04	0.0	0.0	59.6	-5.43	-9.82	-0.01	9.14e-03	-1.11e-04	-1.62
387	35	0.30	0.01	3.79e-05	-14.33	0.0	-6.25	4.29	-0.02	0.01	0.01	-0.08
		-1.80	4.73e-05	0.0	0.0	59.6	-6.25	-10.04	-0.02	0.01	4.73e-05	-1.80
387	44	0.32	0.01	4.03e-05	-14.33	0.0	-7.03	4.35	-0.02	0.01	0.01	-0.07
		-1.75	-2.50e-05	0.0	0.0	59.6	-7.03	-9.99	-0.02	0.01	-2.50e-05	-1.75

387	72	0.04	5.83e-03	7.80e-06	-5.09	0.0	-0.69	1.51	-8.86e-03	3.39e-03	5.83e-03	-0.10
		-0.71	3.53e-04	0.0	0.0	59.6	-0.69	-3.58	-8.86e-03	3.39e-03	3.53e-04	-0.71
387	79	0.23	7.91e-03	2.60e-05	-12.00	0.0	-4.45	4.00	-0.01	7.71e-03	7.91e-03	-0.17
		-1.36	6.54e-06	0.0	0.0	59.6	-4.45	-8.00	-0.01	7.71e-03	6.54e-06	-1.36
387	80	0.23	8.40e-03	2.74e-05	-12.00	0.0	-4.60	3.88	-0.01	8.15e-03	8.40e-03	-0.14
		-1.40	1.16e-05	0.0	0.0	59.6	-4.60	-8.12	-0.01	8.15e-03	1.16e-05	-1.40
387	83	0.21	8.42e-03	2.69e-05	-9.93	0.0	-4.40	2.92	-0.01	7.74e-03	8.42e-03	-0.05
		-1.27	7.56e-05	0.0	0.0	59.6	-4.40	-7.00	-0.01	7.74e-03	7.56e-05	-1.27
387	88	0.22	8.03e-03	2.85e-05	-9.93	0.0	-4.91	2.96	-0.01	7.65e-03	8.03e-03	-0.04
		-1.24	2.74e-05	0.0	0.0	59.6	-4.91	-6.96	-0.01	7.65e-03	2.74e-05	-1.24
387	98	0.17	7.27e-03	1.97e-05	-9.93	0.0	-3.10	3.27	-0.01	6.34e-03	7.27e-03	-0.16
		-1.16	1.30e-04	0.0	0.0	59.6	-3.10	-6.65	-0.01	6.34e-03	1.30e-04	-1.16
387	101	0.16	7.30e-03	1.96e-05	-9.24	0.0	-3.04	2.95	-0.01	6.23e-03	7.30e-03	-0.12
		-1.12	1.52e-04	0.0	0.0	59.6	-3.04	-6.29	-0.01	6.23e-03	1.52e-04	-1.12
387	102	0.08	6.09e-03	1.38e-05	-5.09	0.0	-1.95	1.35	-9.25e-03	4.16e-03	6.09e-03	-0.03
		-0.74	2.84e-04	0.0	0.0	59.6	-1.95	-3.74	-9.25e-03	4.16e-03	2.84e-04	-0.74
387	105	0.16	7.16e-03	2.05e-05	-9.24	0.0	-3.31	2.95	-0.01	6.23e-03	7.16e-03	-0.12
		-1.11	1.28e-04	0.0	0.0	59.6	-3.31	-6.28	-0.01	6.23e-03	1.28e-04	-1.11
387	106	0.09	6.15e-03	1.53e-05	-5.09	0.0	-2.27	1.31	-9.35e-03	4.35e-03	6.15e-03	-8.32e-03
		-0.74	2.67e-04	0.0	0.0	59.6	-2.27	-3.78	-9.35e-03	4.35e-03	2.67e-04	-0.74
387	107	0.15	7.11e-03	1.91e-05	-9.24	0.0	-2.98	2.99	-0.01	6.05e-03	7.11e-03	-0.13
		-1.10	1.50e-04	0.0	0.0	59.6	-2.98	-6.24	-0.01	6.05e-03	1.50e-04	-1.10
387	111	0.51	0.02	6.02e-05	-9.24	0.0	-11.05	1.89	-0.03	-0.02	0.02	0.31
		-0.94	2.74e-03	-1.99e-04	0.0	59.6	-11.05	-7.35	-0.03	-0.02	2.74e-03	-0.94
387	124	0.10	-2.15e-03	-4.23e-05	-9.24	0.0	8.16	4.66	2.10e-03	5.23e-04	-2.15e-03	-0.75
		-0.83	-2.58e-03	0.0	0.0	59.6	8.16	-4.58	2.10e-03	5.23e-04	-2.58e-03	-0.83
387	127	0.55	0.02	7.96e-05	-9.24	0.0	-14.11	1.33	-0.02	0.01	0.02	0.48
		-1.37	2.87e-03	1.46e-06	0.0	59.6	-14.11	-7.90	-0.02	0.01	2.87e-03	-1.37
387	129	0.40	0.01	7.99e-05	-9.24	0.0	-11.11	1.73	-0.02	0.03	0.01	0.33
		-1.54	1.73e-03	1.38e-04	0.0	59.6	-11.11	-7.51	-0.02	0.03	1.73e-03	-1.54
387	140	-0.23	-2.76e-03	-3.06e-05	-9.24	0.0	6.10	4.24	7.47e-03	0.04	-3.55e-03	-0.63
		-1.28	-3.55e-03	2.25e-04	0.0	59.6	6.10	-5.00	7.47e-03	0.04	-2.76e-03	-1.28
387	143	0.56	0.02	6.53e-05	-9.24	0.0	-12.06	1.75	-0.03	-0.02	0.02	0.36
		-0.92	3.06e-03	-2.24e-04	0.0	59.6	-12.06	-7.49	-0.03	-0.02	3.06e-03	-0.92
387	156	-0.12	-2.92e-03	-4.92e-05	-9.24	0.0	9.55	4.86	3.72e-03	-2.19e-04	-3.31e-03	-0.83
		-0.83	-3.31e-03	-1.12e-06	0.0	59.6	9.55	-4.37	3.72e-03	-2.19e-04	-2.92e-03	-0.80
387	159	0.61	0.02	8.72e-05	-9.24	0.0	-15.50	1.12	-0.03	0.01	0.02	0.56
		-1.41	3.22e-03	2.05e-06	0.0	59.6	-15.50	-8.11	-0.03	0.01	3.22e-03	-1.41
387	161	0.44	0.01	8.76e-05	-9.24	0.0	-12.14	1.57	-0.02	0.03	0.01	0.39
		-1.59	1.93e-03	1.56e-04	0.0	59.6	-12.14	-7.66	-0.02	0.03	1.93e-03	-1.59
387	172	-0.22	-2.66e-03	-2.96e-05	-9.24	0.0	5.62	4.18	7.46e-03	0.04	-3.46e-03	-0.61
		-1.28	-3.46e-03	2.27e-04	0.0	59.6	5.62	-5.05	7.46e-03	0.04	-2.66e-03	-1.28
387	175	0.54	0.02	6.40e-05	-9.24	0.0	-11.58	1.80	-0.03	-0.02	0.02	0.34
		-0.92	2.96e-03	-2.26e-04	0.0	59.6	-11.58	-7.43	-0.03	-0.02	2.96e-03	-0.92
387	188	-0.12	-2.87e-03	-4.84e-05	-9.24	0.0	9.29	4.83	3.59e-03	-4.95e-04	-3.16e-03	-0.81
		-0.81	-3.16e-03	-3.52e-06	0.0	59.6	9.29	-4.40	3.59e-03	-4.95e-04	-2.87e-03	-0.80
387	191	0.60	0.02	8.63e-05	-9.24	0.0	-15.25	1.16	-0.03	0.01	0.02	0.54
		-1.41	3.17e-03	4.45e-06	0.0	59.6	-15.25	-8.08	-0.03	0.01	3.17e-03	-1.41
387	193	0.44	0.01	8.69e-05	-9.24	0.0	-12.18	1.58	-0.02	0.04	0.01	0.39
		-1.59	1.93e-03	1.63e-04	0.0	59.6	-12.18	-7.66	-0.02	0.04	1.93e-03	-1.59
387	204	-0.27	-3.09e-03	-3.49e-05	-9.24	0.0	6.84	4.36	0.01	0.04	-5.26e-03	-0.68
		-1.32	-5.26e-03	2.68e-04	0.0	59.6	6.84	-4.88	0.01	0.04	-3.09e-03	-1.32
387	207	0.60	0.02	7.10e-05	-9.24	0.0	-12.80	1.63	-0.03	-0.03	0.02	0.41
		-0.89	3.39e-03	-2.67e-04	0.0	59.6	-12.80	-7.61	-0.03	-0.03	3.39e-03	-0.89
387	220	-0.15	-3.37e-03	-5.92e-05	-9.24	0.0	11.25	5.13	6.02e-03	-1.88e-03	-4.84e-03	-0.92
		-0.92	-4.84e-03	-6.20e-06	0.0	59.6	11.25	-4.11	6.02e-03	-1.88e-03	-3.37e-03	-0.75
387	223	0.69	0.02	9.73e-05	-9.24	0.0	-17.21	0.86	-0.03	0.01	0.02	0.65
		-1.46	3.67e-03	7.12e-06	0.0	59.6	-17.21	-8.38	-0.03	0.01	3.67e-03	-1.46
387	225	0.51	0.01	9.83e-05	-9.24	0.0	-13.74	1.34	-0.02	0.04	0.01	0.48
		-1.68	2.22e-03	1.98e-04	0.0	59.6	-13.74	-7.89	-0.02	0.04	2.22e-03	-1.68
388	19	-0.46	4.39e-03	-5.74e-06	-4.63	0.0	0.45	1.69	7.15e-03	1.41e-03	3.30e-04	-0.65
		-1.02	3.30e-04	0.0	0.0	59.6	0.45	-2.94	7.15e-03	1.41e-03	4.39e-03	-1.02
388	28	-1.10	0.01	2.39e-05	-17.44	0.0	-7.26	7.26	0.02	9.78e-03	-5.93e-04	-2.00
		-2.87	-5.93e-04	1.02e-06	0.0	59.6	-7.26	-10.17	0.02	9.78e-03	0.01	-2.87
388	44	-1.04	0.01	2.53e-05	-14.33	0.0	-7.81	5.89	0.02	9.47e-03	-5.51e-04	-1.75
		-2.52	-5.51e-04	0.0	0.0	59.6	-7.81	-8.44	0.02	9.47e-03	0.01	-2.52
388	72	-0.50	5.01e-03	-5.08e-06	-5.09	0.0	-0.61	1.90	8.54e-03	2.19e-03	2.32e-04	-0.71
		-1.10	2.32e-04	0.0	0.0	59.6	-0.61	-3.20	8.54e-03	2.19e-03	5.01e-03	-1.10
388	80	-0.79	8.56e-03	1.69e-05	-12.00	0.0	-5.09	4.97	0.02	6.82e-03	-3.68e-04	-1.40
		-2.02	-3.68e-04	0.0	0.0	59.6	-5.09	-7.03	0.02	6.82e-03	8.56e-03	-2.02
388	88	-0.75	8.31e-03	1.78e-05	-9.93	0.0	-5.45	4.05	0.02	6.61e-03	-3.40e-04	-1.24
		-1.78	-3.40e-04	0.0	0.0	59.6	-5.45	-5.88	0.02	6.61e-03	8.31e-03	-1.78
388	98	-0.66	7.13e-03	1.19e-05	-9.93	0.0	-3.39	4.08	0.01	4.99e-03	-1.49e-04	-1.16
		-1.69	-1.49e-04	0.0	0.0	59.6	-3.39	-5.84	0.01	4.99e-03	7.13e-03	-1.69
388	102	-0.52	5.69e-03	8.30e-06	-5.09	0.0	-2.10	1.91	0.01	3.09e-03	1.13e-04	-0.74

		-1.11	1.13e-04	0.0	0.0	59.6	-2.10	-3.18	0.01	3.09e-03	5.69e-03	-1.11
388	105	-0.65	7.10e-03	1.25e-05	-9.24	0.0	-3.64	3.78	0.01	5.01e-03	-1.51e-04	-1.11
		-1.61	-1.51e-04	0.0	0.0	59.6	-3.64	-5.46	0.01	5.01e-03	7.10e-03	-1.61
388	106	-0.53	5.86e-03	9.32e-06	-5.09	0.0	-2.48	1.92	0.01	3.32e-03	8.32e-05	-0.74
		-1.12	8.32e-05	0.0	0.0	59.6	-2.48	-3.18	0.01	3.32e-03	5.86e-03	-1.12
388	107	-0.64	6.95e-03	1.15e-05	-9.24	0.0	-3.26	3.78	0.01	4.76e-03	-1.16e-04	-1.10
		-1.60	-1.16e-04	0.0	0.0	59.6	-3.26	-5.46	0.01	4.76e-03	6.95e-03	-1.60
388	108	-0.78	-2.85e-03	-1.91e-05	-9.24	0.0	5.75	3.89	-0.09	0.03	-2.85e-03	-1.26
		-1.70	-0.06	2.01e-04	0.0	59.6	5.75	-5.34	-0.09	0.03	-0.06	-1.70
388	111	-0.51	0.07	3.42e-05	-9.24	0.0	-12.27	3.66	0.12	-0.02	2.61e-03	-0.94
		-1.51	2.61e-03	-2.00e-04	0.0	59.6	-12.27	-5.58	0.12	-0.02	0.07	-1.51
388	124	-0.42	-1.87e-03	-2.71e-05	-9.24	0.0	9.17	3.59	-0.06	-2.64e-03	-1.87e-03	-0.83
		-1.45	-0.04	-1.22e-06	0.0	59.6	9.17	-5.65	-0.06	-2.64e-03	-0.04	-1.45
388	127	-0.87	0.05	4.58e-05	-9.24	0.0	-15.69	3.96	0.08	0.01	1.64e-03	-1.37
		-1.76	1.64e-03	2.34e-06	0.0	59.6	-15.69	-5.28	0.08	0.01	0.05	-1.76
388	129	-1.00	0.02	4.60e-05	-9.24	0.0	-12.34	4.08	0.03	0.03	1.21e-05	-1.54
		-1.86	1.21e-05	1.39e-04	0.0	59.6	-12.34	-5.16	0.03	0.03	0.02	-1.86
388	130	-0.28	-2.43e-04	-2.74e-05	-9.24	0.0	5.83	3.48	-8.35e-03	-0.02	-2.43e-04	-0.67
		-1.35	-5.54e-03	-1.38e-04	0.0	59.6	5.83	-5.76	-8.35e-03	-0.02	-5.54e-03	-1.35
388	140	-0.79	-3.19e-03	-2.09e-05	-9.24	0.0	6.87	3.91	-0.10	0.03	-3.19e-03	-1.28
		-1.71	-0.06	2.26e-04	0.0	59.6	6.87	-5.33	-0.10	0.03	-0.06	-1.71
388	143	-0.49	0.08	3.71e-05	-9.24	0.0	-13.39	3.64	0.13	-0.02	2.96e-03	-0.92
		-1.50	2.96e-03	-2.25e-04	0.0	59.6	-13.39	-5.59	0.13	-0.02	0.08	-1.50
388	156	-0.39	-2.09e-03	-3.03e-05	-9.24	0.0	10.72	3.57	-0.07	-3.61e-03	-2.09e-03	-0.80
		-1.43	-0.04	-1.90e-06	0.0	59.6	10.72	-5.67	-0.07	-3.61e-03	-0.04	-1.43
388	159	-0.89	0.05	5.00e-05	-9.24	0.0	-17.24	3.98	0.09	0.01	1.86e-03	-1.41
		-1.78	1.86e-03	3.03e-06	0.0	59.6	-17.24	-5.25	0.09	0.01	0.05	-1.78
388	161	-1.04	0.02	5.03e-05	-9.24	0.0	-13.50	4.11	0.04	0.04	2.50e-05	-1.59
		-1.89	2.50e-05	1.58e-04	0.0	59.6	-13.50	-5.12	0.04	0.04	0.02	-1.89
388	162	-0.23	-2.56e-04	-3.06e-05	-9.24	0.0	6.98	3.44	-0.01	-0.03	-2.56e-04	-0.61
		-1.32	-7.04e-03	-1.57e-04	0.0	59.6	6.98	-5.80	-0.01	-0.03	-7.04e-03	-1.32
388	172	-0.79	-3.12e-03	-2.04e-05	-9.24	0.0	6.34	3.91	-0.10	0.03	-3.12e-03	-1.28
		-1.71	-0.06	2.28e-04	0.0	59.6	6.34	-5.33	-0.10	0.03	-0.06	-1.71
388	175	-0.49	0.08	3.64e-05	-9.24	0.0	-12.86	3.64	0.13	-0.02	2.89e-03	-0.92
		-1.50	2.89e-03	-2.27e-04	0.0	59.6	-12.86	-5.59	0.13	-0.02	0.08	-1.50
388	188	-0.39	-2.05e-03	-2.99e-05	-9.24	0.0	10.44	3.57	-0.07	-3.89e-03	-2.05e-03	-0.80
		-1.43	-0.04	-4.26e-06	0.0	59.6	10.44	-5.67	-0.07	-3.89e-03	-0.04	-1.43
388	191	-0.89	0.05	4.95e-05	-9.24	0.0	-16.96	3.98	0.09	0.01	1.82e-03	-1.41
		-1.78	1.82e-03	5.38e-06	0.0	59.6	-16.96	-5.25	0.09	0.01	0.05	-1.78
388	193	-1.05	0.02	4.99e-05	-9.24	0.0	-13.54	4.11	0.04	0.04	-2.36e-05	-1.59
		-1.89	-2.36e-05	1.65e-04	0.0	59.6	-13.54	-5.12	0.04	0.04	0.02	-1.89
388	194	-0.23	-2.07e-04	-3.03e-05	-9.24	0.0	7.02	3.44	-0.01	-0.03	-2.07e-04	-0.61
		-1.32	-6.47e-03	-1.64e-04	0.0	59.6	7.02	-5.80	-0.01	-0.03	-6.47e-03	-1.32
388	204	-0.82	-3.62e-03	-2.29e-05	-9.24	0.0	7.70	3.93	-0.12	0.04	-3.62e-03	-1.32
		-1.73	-0.08	2.69e-04	0.0	59.6	7.70	-5.30	-0.12	0.04	-0.08	-1.73
388	207	-0.47	0.09	4.02e-05	-9.24	0.0	-14.21	3.62	0.15	-0.03	3.39e-03	-0.89
		-1.48	3.39e-03	-2.68e-04	0.0	59.6	-14.21	-5.62	0.15	-0.03	0.09	-1.48
388	220	-0.35	-2.38e-03	-3.48e-05	-9.24	0.0	12.63	3.53	-0.08	-5.62e-03	-2.38e-03	-0.75
		-1.40	-0.05	-7.06e-06	0.0	59.6	12.63	-5.70	-0.08	-5.62e-03	-0.05	-1.40
388	223	-0.94	0.06	5.58e-05	-9.24	0.0	-19.15	4.02	0.10	0.02	2.14e-03	-1.46
		-1.81	2.14e-03	8.19e-06	0.0	59.6	-19.15	-5.22	0.10	0.02	0.06	-1.81
388	225	-1.12	0.02	5.64e-05	-9.24	0.0	-15.28	4.18	0.04	0.04	-3.97e-05	-1.68
		-1.94	-3.97e-05	2.00e-04	0.0	59.6	-15.28	-5.06	0.04	0.04	0.02	-1.94
388	226	-0.16	-1.91e-04	-3.54e-05	-9.24	0.0	8.76	3.37	-0.01	-0.03	-1.91e-04	-0.53
		-1.27	-8.15e-03	-1.98e-04	0.0	59.6	8.76	-5.86	-0.01	-0.03	-8.15e-03	-1.27
389	4	-1.87	0.01	-2.21e-05	-17.44	0.0	-2.42	7.54	-8.82e-03	4.71e-03	0.01	-2.84
		-3.54	4.55e-03	2.51e-06	0.0	59.6	-2.42	-9.90	-8.82e-03	4.71e-03	4.55e-03	-3.54
389	19	-0.84	4.37e-03	-7.03e-06	-4.63	0.0	-0.55	1.70	-3.23e-03	-1.46e-04	4.37e-03	-1.02
		-1.39	2.58e-03	0.0	0.0	59.6	-0.55	-2.93	-3.23e-03	-1.46e-04	2.58e-03	-1.39
389	28	-1.84	0.01	-1.90e-05	-17.44	0.0	-3.50	7.78	-0.01	8.00e-03	0.01	-2.87
		-3.43	4.38e-03	2.61e-06	0.0	59.6	-3.50	-9.66	-0.01	8.00e-03	4.38e-03	-3.43
389	44	-1.66	0.01	-1.38e-05	-14.33	0.0	-3.64	6.43	-0.01	8.51e-03	0.01	-2.52
		-2.95	4.10e-03	2.08e-06	0.0	59.6	-3.64	-7.90	-0.01	8.51e-03	4.10e-03	-2.95
389	45	-0.79	6.49e-03	9.32e-06	-4.63	0.0	-2.34	2.10	-6.07e-03	5.33e-03	6.49e-03	-1.07
		-1.20	2.31e-03	0.0	0.0	59.6	-2.34	-2.53	-6.07e-03	5.33e-03	2.31e-03	-1.20
389	53	-0.82	5.53e-03	-4.28e-06	-4.63	0.0	-1.24	1.90	-5.21e-03	2.05e-03	5.53e-03	-1.05
		-1.30	2.30e-03	0.0	0.0	59.6	-1.24	-2.73	-5.21e-03	2.05e-03	2.30e-03	-1.30
389	68	-1.33	7.37e-03	-1.50e-05	-12.00	0.0	-1.75	5.17	-6.49e-03	3.33e-03	7.37e-03	-2.00
		-2.49	3.30e-03	1.75e-06	0.0	59.6	-1.75	-6.83	-6.49e-03	3.33e-03	3.30e-03	-2.49
389	72	-0.87	4.94e-03	-6.62e-06	-5.09	0.0	-0.84	1.97	-4.06e-03	7.41e-04	4.94e-03	-1.10
		-1.44	2.55e-03	0.0	0.0	59.6	-0.84	-3.12	-4.06e-03	7.41e-04	2.55e-03	-1.44
389	80	-1.31	8.22e-03	-1.29e-05	-12.00	0.0	-2.46	5.33	-7.62e-03	5.52e-03	8.22e-03	-2.02
		-2.41	3.19e-03	1.81e-06	0.0	59.6	-2.46	-6.66	-7.62e-03	5.52e-03	3.19e-03	-2.41
389	85	-0.84	6.36e-03	7.53e-06	-5.09	0.0	-2.03	2.24	-5.95e-03	4.39e-03	6.36e-03	-1.13
		-1.32	2.37e-03	0.0	0.0	59.6	-2.03	-2.85	-5.95e-03	4.39e-03	2.37e-03	-1.32

389	88	-1.19	7.96e-03	-9.44e-06	-9.93	0.0	-2.56	4.43	-7.39e-03	5.86e-03	7.96e-03	-1.78
		-2.10	3.00e-03	1.46e-06	0.0	59.6	-2.56	-5.49	-7.39e-03	5.86e-03	3.00e-03	-2.10
389	89	-0.86	5.71e-03	-4.85e-06	-5.09	0.0	-1.30	2.11	-5.38e-03	2.21e-03	5.71e-03	-1.12
		-1.38	2.37e-03	0.0	0.0	59.6	-1.30	-2.99	-5.38e-03	2.21e-03	2.37e-03	-1.38
389	97	-0.86	5.71e-03	-4.85e-06	-5.09	0.0	-1.30	2.11	-5.38e-03	2.21e-03	5.71e-03	-1.12
		-1.38	2.37e-03	0.0	0.0	59.6	-1.30	-2.99	-5.38e-03	2.21e-03	2.37e-03	-1.38
389	98	-1.12	6.91e-03	-1.14e-05	-9.93	0.0	-1.76	4.33	-6.45e-03	3.45e-03	6.91e-03	-1.69
		-2.06	2.82e-03	1.57e-06	0.0	59.6	-1.76	-5.59	-6.45e-03	3.45e-03	2.82e-03	-2.06
389	102	-0.86	5.56e-03	-5.19e-06	-5.09	0.0	-1.21	2.08	-5.12e-03	1.91e-03	5.56e-03	-1.11
		-1.39	2.41e-03	0.0	0.0	59.6	-1.21	-3.01	-5.12e-03	1.91e-03	2.41e-03	-1.39
389	104	-0.85	5.84e-03	-4.52e-06	-5.09	0.0	-1.45	2.13	-5.49e-03	2.64e-03	5.84e-03	-1.12
		-1.37	2.37e-03	0.0	0.0	59.6	-1.45	-2.96	-5.49e-03	2.64e-03	2.37e-03	-1.37
389	105	-1.08	6.87e-03	-1.01e-05	-9.24	0.0	-1.84	4.04	-6.42e-03	3.71e-03	6.87e-03	-1.61
		-1.95	2.76e-03	1.44e-06	0.0	59.6	-1.84	-5.19	-6.42e-03	3.71e-03	2.76e-03	-1.95
389	106	-0.86	5.71e-03	-4.85e-06	-5.09	0.0	-1.30	2.11	-5.38e-03	2.21e-03	5.71e-03	-1.12
		-1.38	2.37e-03	0.0	0.0	59.6	-1.30	-2.99	-5.38e-03	2.21e-03	2.37e-03	-1.38
389	107	-1.08	6.74e-03	-1.05e-05	-9.24	0.0	-1.69	4.02	-6.30e-03	3.27e-03	6.74e-03	-1.60
		-1.96	2.76e-03	1.48e-06	0.0	59.6	-1.69	-5.22	-6.30e-03	3.27e-03	2.76e-03	-1.96
389	108	-1.26	-0.02	-1.68e-05	-9.24	0.0	-0.19	4.19	0.06	0.03	-0.06	-1.70
		-2.24	-0.06	1.97e-04	0.0	59.6	-0.19	-5.05	0.06	0.03	-0.02	-2.24
389	111	-0.91	0.07	1.71e-05	-9.24	0.0	-3.20	3.84	-0.07	-0.02	0.07	-1.51
		-1.69	0.02	-1.94e-04	0.0	59.6	-3.20	-5.39	-0.07	-0.02	0.02	-1.69
389	124	-1.16	4.29e-03	-2.19e-05	-9.24	0.0	0.02	3.11	0.04	-3.86e-03	-0.04	-1.45
		-2.43	-0.04	0.0	0.0	59.6	0.02	-6.13	0.04	-3.86e-03	4.29e-03	-2.43
389	127	-0.93	0.05	2.52e-05	-9.24	0.0	-3.40	4.92	-0.05	0.01	0.05	-1.76
		-1.76	1.22e-03	3.32e-06	0.0	59.6	-3.40	-4.31	-0.05	0.01	1.22e-03	-1.49
389	130	-1.10	0.02	-2.44e-05	-9.24	0.0	-0.62	2.80	8.51e-03	-0.02	-3.92e-03	-1.35
		-2.44	-3.92e-03	-1.34e-04	0.0	59.6	-0.62	-6.43	8.51e-03	-0.02	0.02	-2.44
389	140	-1.28	-0.02	-1.77e-05	-9.24	0.0	-2.92e-04	4.21	0.07	0.03	-0.07	-1.71
		-2.28	-0.07	2.22e-04	0.0	59.6	-2.92e-04	-5.03	0.07	0.03	-0.02	-2.28
389	143	-0.89	0.08	1.87e-05	-9.24	0.0	-3.38	3.82	-0.08	-0.02	0.08	-1.50
		-1.65	0.02	-2.19e-04	0.0	59.6	-3.38	-5.42	-0.08	-0.02	0.02	-1.65
389	156	-1.17	4.49e-03	-2.37e-05	-9.24	0.0	0.23	2.99	0.05	-4.79e-03	-0.04	-1.43
		-2.49	-0.04	-1.05e-06	0.0	59.6	0.23	-6.24	0.05	-4.79e-03	4.49e-03	-2.49
389	159	-0.91	0.05	2.78e-05	-9.24	0.0	-3.62	5.04	-0.06	0.01	0.05	-1.78
		-1.78	1.02e-03	4.01e-06	0.0	59.6	-3.62	-4.20	-0.06	0.01	1.02e-03	-1.43
389	162	-1.09	0.02	-2.66e-05	-9.24	0.0	-0.48	2.65	0.01	-0.03	-5.19e-03	-1.32
		-2.49	-5.19e-03	-1.53e-04	0.0	59.6	-0.48	-6.59	0.01	-0.03	0.02	-2.49
389	172	-1.27	-0.02	-1.76e-05	-9.24	0.0	-0.10	4.19	0.07	0.03	-0.07	-1.71
		-2.26	-0.07	2.23e-04	0.0	59.6	-0.10	-5.04	0.07	0.03	-0.02	-2.26
389	175	-0.89	0.08	1.85e-05	-9.24	0.0	-3.29	3.84	-0.08	-0.02	0.08	-1.50
		-1.66	0.02	-2.20e-04	0.0	59.6	-3.29	-5.40	-0.08	-0.02	0.02	-1.66
389	188	-1.17	4.51e-03	-2.35e-05	-9.24	0.0	0.18	3.00	0.05	-5.05e-03	-0.04	-1.43
		-2.49	-0.04	-3.39e-06	0.0	59.6	0.18	-6.24	0.05	-5.05e-03	4.51e-03	-2.49
389	191	-0.91	0.05	2.76e-05	-9.24	0.0	-3.57	5.03	-0.06	0.01	0.05	-1.78
		-1.78	1.00e-03	6.35e-06	0.0	59.6	-3.57	-4.20	-0.06	0.01	1.00e-03	-1.44
389	194	-1.09	0.02	-2.63e-05	-9.24	0.0	-0.47	2.66	9.59e-03	-0.03	-4.59e-03	-1.32
		-2.49	-4.59e-03	-1.59e-04	0.0	59.6	-0.47	-6.57	9.59e-03	-0.03	0.02	-2.49
389	204	-1.30	-0.02	-1.90e-05	-9.24	0.0	0.12	4.22	0.08	0.03	-0.08	-1.73
		-2.31	-0.08	2.63e-04	0.0	59.6	0.12	-5.02	0.08	0.03	-0.02	-2.31
389	207	-0.86	0.09	2.07e-05	-9.24	0.0	-3.51	3.81	-0.10	-0.03	0.09	-1.48
		-1.62	0.03	-2.60e-04	0.0	59.6	-3.51	-5.42	-0.10	-0.03	0.03	-1.62
389	220	-1.17	4.83e-03	-2.62e-05	-9.24	0.0	0.48	2.82	0.06	-6.71e-03	-0.05	-1.40
		-2.57	-0.05	-6.22e-06	0.0	59.6	0.48	-6.41	0.06	-6.71e-03	4.83e-03	-2.57
389	223	-0.88	0.06	3.14e-05	-9.24	0.0	-3.86	5.21	-0.07	0.01	0.06	-1.81
		-1.81	6.80e-04	9.18e-06	0.0	59.6	-3.86	-4.03	-0.07	0.01	6.80e-04	-1.36
389	226	-1.08	0.02	-2.97e-05	-9.24	0.0	-0.26	2.43	0.01	-0.03	-5.90e-03	-1.27
		-2.57	-5.90e-03	-1.93e-04	0.0	59.6	-0.26	-6.80	0.01	-0.03	0.02	-2.57
390	4	-2.63	4.96e-03	-2.73e-05	-17.44	0.0	-2.47	7.30	1.07e-03	1.96e-03	4.45e-03	-3.54
		-4.39	4.45e-03	3.12e-06	0.0	59.6	-2.47	-10.13	1.07e-03	1.96e-03	4.96e-03	-4.39
390	19	-1.24	2.68e-03	-9.54e-06	-4.63	0.0	-0.50	1.52	-5.23e-04	-1.97e-03	2.68e-03	-1.39
		-1.86	2.68e-03	0.0	0.0	59.6	-0.50	-3.11	-5.23e-04	-1.97e-03	2.68e-03	-1.86
390	44	-2.10	4.26e-03	-1.84e-05	-14.33	0.0	-3.79	6.41	2.90e-03	9.06e-03	3.65e-03	-2.95
		-3.40	3.65e-03	2.58e-06	0.0	59.6	-3.79	-7.92	2.90e-03	9.06e-03	4.26e-03	-3.40
390	45	-0.90	2.20e-03	-4.14e-06	-4.63	0.0	-2.43	2.16	1.92e-03	6.96e-03	1.97e-03	-1.20
		-1.29	1.97e-03	0.0	0.0	59.6	-2.43	-2.47	1.92e-03	6.96e-03	2.20e-03	-1.29
390	68	-1.87	3.55e-03	-1.87e-05	-12.00	0.0	-1.78	5.01	7.07e-04	1.42e-03	3.23e-03	-2.49
		-3.08	3.23e-03	2.19e-06	0.0	59.6	-1.78	-6.99	7.07e-04	1.42e-03	3.55e-03	-3.08
390	72	-1.25	2.61e-03	-9.12e-06	-5.09	0.0	-0.83	1.83	-2.40e-04	-7.84e-04	2.60e-03	-1.44
		-1.87	2.60e-03	0.0	0.0	59.6	-0.83	-3.27	-2.40e-04	-7.84e-04	2.61e-03	-1.87
390	85	-1.02	2.30e-03	-5.52e-06	-5.09	0.0	-2.11	2.26	1.39e-03	5.17e-03	2.13e-03	-1.32
		-1.49	2.13e-03	1.03e-06	0.0	59.6	-2.11	-2.84	1.39e-03	5.17e-03	2.30e-03	-1.49
390	88	-1.51	3.09e-03	-1.28e-05	-9.93	0.0	-2.66	4.41	1.92e-03	6.15e-03	2.70e-03	-2.10
		-2.42	2.70e-03	1.83e-06	0.0	59.6	-2.66	-5.51	1.92e-03	6.15e-03	3.09e-03	-2.42
390	98	-1.52	2.94e-03	-1.46e-05	-9.93	0.0	-1.81	4.23	7.45e-04	2.22e-03	2.71e-03	-2.06

		-2.50	2.71e-03	1.95e-06	0.0	59.6	-1.81	-5.70	7.45e-04	2.22e-03	2.94e-03	-2.50
390	102	-1.16	2.37e-03	-7.55e-06	-5.09	0.0	-1.24	2.00	1.27e-04	9.53e-04	2.37e-03	-1.39
		-1.72	2.37e-03	1.19e-06	0.0	59.6	-1.24	-3.09	1.27e-04	9.53e-04	2.37e-03	-1.72
390	104	-1.11	2.30e-03	-6.83e-06	-5.09	0.0	-1.50	2.09	4.52e-04	2.14e-03	2.27e-03	-1.37
		-1.64	2.27e-03	1.20e-06	0.0	59.6	-1.50	-3.01	4.52e-04	2.14e-03	2.30e-03	-1.64
390	105	-1.45	2.85e-03	-1.32e-05	-9.24	0.0	-1.90	3.96	9.03e-04	2.86e-03	2.62e-03	-1.95
		-2.34	2.62e-03	1.80e-06	0.0	59.6	-1.90	-5.27	9.03e-04	2.86e-03	2.85e-03	-2.34
390	106	-1.14	2.31e-03	-7.18e-06	-5.09	0.0	-1.34	2.04	2.18e-04	1.39e-03	2.31e-03	-1.38
		-1.68	2.31e-03	1.24e-06	0.0	59.6	-1.34	-3.05	2.18e-04	1.39e-03	2.31e-03	-1.68
390	107	-1.47	2.85e-03	-1.35e-05	-9.24	0.0	-1.75	3.92	6.70e-04	2.10e-03	2.66e-03	-1.96
		-2.38	2.66e-03	1.85e-06	0.0	59.6	-1.75	-5.32	6.70e-04	2.10e-03	2.85e-03	-2.38
390	113	-1.61	-0.03	-1.16e-05	-9.24	0.0	-0.86	3.55	-8.14e-03	0.03	-0.03	-2.02
		-2.65	-0.03	1.95e-04	0.0	59.6	-0.86	-5.69	-8.14e-03	0.03	-0.03	-2.65
390	114	-1.32	0.03	-1.56e-05	-9.24	0.0	-2.63	4.29	9.48e-03	-0.03	0.03	-1.91
		-2.11	0.03	-1.91e-04	0.0	59.6	-2.63	-4.95	9.48e-03	-0.03	0.03	-2.11
390	128	-2.16	4.33e-03	-2.26e-05	-9.24	0.0	0.05	2.42	1.40e-03	-3.76e-03	4.05e-03	-2.34
		-3.65	4.05e-03	4.22e-06	0.0	59.6	0.05	-6.81	1.40e-03	-3.76e-03	4.33e-03	-3.65
390	129	-0.37	-0.01	1.32e-05	-9.24	0.0	-2.87	5.89	-4.47e-03	0.03	-0.01	-1.49
		-1.49	-0.01	1.37e-04	0.0	59.6	-2.87	-3.35	-4.47e-03	0.03	-0.01	-0.74
390	130	-2.31	0.02	-2.21e-05	-9.24	0.0	-0.62	1.95	5.81e-03	-0.02	0.02	-2.44
		-4.03	0.02	-1.34e-04	0.0	59.6	-0.62	-7.29	5.81e-03	-0.02	0.02	-4.03
390	131	-0.64	1.37e-03	1.34e-05	-9.24	0.0	-3.54	5.41	-5.77e-05	7.97e-03	1.26e-03	-1.58
		-1.58	1.26e-03	0.0	0.0	59.6	-3.54	-3.82	-5.77e-05	7.97e-03	1.37e-03	-1.11
390	145	-1.63	-0.03	-1.14e-05	-9.24	0.0	-0.75	3.50	-9.15e-03	0.04	-0.03	-2.02
		-2.68	-0.03	2.19e-04	0.0	59.6	-0.75	-5.73	-9.15e-03	0.04	-0.03	-2.68
390	146	-1.30	0.04	-1.59e-05	-9.24	0.0	-2.74	4.33	0.01	-0.03	0.03	-1.91
		-2.08	0.03	-2.16e-04	0.0	59.6	-2.74	-4.90	0.01	-0.03	0.04	-2.08
390	160	-2.23	4.50e-03	-2.40e-05	-9.24	0.0	0.27	2.24	1.48e-03	-4.51e-03	4.21e-03	-2.39
		-3.81	4.21e-03	4.49e-06	0.0	59.6	0.27	-7.00	1.48e-03	-4.51e-03	4.50e-03	-3.81
390	161	-0.22	-0.02	1.52e-05	-9.24	0.0	-3.02	6.13	-5.04e-03	0.03	-0.02	-1.43
		-1.43	-0.02	1.55e-04	0.0	59.6	-3.02	-3.10	-5.04e-03	0.03	-0.02	-0.53
390	162	-2.40	0.02	-2.35e-05	-9.24	0.0	-0.47	1.70	6.38e-03	-0.03	0.02	-2.49
		-4.23	0.02	-1.52e-04	0.0	59.6	-0.47	-7.53	6.38e-03	-0.03	0.02	-4.23
390	163	-0.52	1.20e-03	1.55e-05	-9.24	0.0	-3.76	5.60	-1.41e-04	8.71e-03	1.10e-03	-1.54
		-1.54	1.10e-03	0.0	0.0	59.6	-3.76	-3.64	-1.41e-04	8.71e-03	1.20e-03	-0.95
390	185	-0.82	-0.03	-1.26e-05	-9.24	0.0	-0.79	5.22	-8.32e-03	0.04	-0.03	-1.69
		-1.69	-0.03	2.49e-04	0.0	59.6	-0.79	-4.02	-8.32e-03	0.04	-0.03	-1.34
390	186	-2.01	0.04	-1.46e-05	-9.24	0.0	-2.70	2.62	9.66e-03	-0.04	0.03	-2.23
		-3.42	0.03	-2.46e-04	0.0	59.6	-2.70	-6.62	9.66e-03	-0.04	0.04	-3.42
390	192	-2.23	4.31e-03	-2.38e-05	-9.24	0.0	0.22	2.25	1.35e-03	-4.41e-03	4.08e-03	-2.39
		-3.80	4.08e-03	4.95e-06	0.0	59.6	0.22	-6.99	1.35e-03	-4.41e-03	4.31e-03	-3.80
390	193	-0.24	-0.02	1.49e-05	-9.24	0.0	-3.03	6.11	-4.51e-03	0.03	-0.02	-1.44
		-1.44	-0.02	1.62e-04	0.0	59.6	-3.03	-3.13	-4.51e-03	0.03	-0.02	-0.55
390	194	-2.39	0.02	-2.33e-05	-9.24	0.0	-0.46	1.73	5.85e-03	-0.03	0.02	-2.49
		-4.21	0.02	-1.58e-04	0.0	59.6	-0.46	-7.51	5.85e-03	-0.03	0.02	-4.21
390	195	-0.53	1.38e-03	1.52e-05	-9.24	0.0	-3.71	5.59	-1.58e-05	8.61e-03	1.23e-03	-1.54
		-1.54	1.23e-03	-1.26e-06	0.0	59.6	-3.71	-3.65	-1.58e-05	8.61e-03	1.38e-03	-0.96
390	217	-0.70	-0.04	-1.25e-05	-9.24	0.0	-0.64	5.44	-9.84e-03	0.05	-0.04	-1.65
		-1.65	-0.04	3.02e-04	0.0	59.6	-0.64	-3.79	-9.84e-03	0.05	-0.04	-1.16
390	218	-2.09	0.04	-1.48e-05	-9.24	0.0	-2.85	2.39	0.01	-0.04	0.04	-2.28
		-3.60	0.04	-2.99e-04	0.0	59.6	-2.85	-6.84	0.01	-0.04	0.04	-3.60
390	224	-2.34	4.38e-03	-2.59e-05	-9.24	0.0	0.54	1.98	1.44e-03	-5.37e-03	4.16e-03	-2.46
		-4.03	4.16e-03	6.18e-06	0.0	59.6	0.54	-7.26	1.44e-03	-5.37e-03	4.38e-03	-4.03
390	225	-5.62e-04	-0.02	1.79e-05	-9.24	0.0	-3.24	6.48	-5.37e-03	0.03	-0.02	-1.35
		-1.35	-0.02	1.95e-04	0.0	59.6	-3.24	-2.76	-5.37e-03	0.03	-0.02	-0.25
390	226	-2.52	0.03	-2.54e-05	-9.24	0.0	-0.25	1.36	6.70e-03	-0.03	0.02	-2.57
		-4.52	0.02	-1.92e-04	0.0	59.6	-0.25	-7.88	6.70e-03	-0.03	0.03	-4.52
390	227	-0.36	1.31e-03	1.82e-05	-9.24	0.0	-4.03	5.86	-1.00e-04	9.57e-03	1.16e-03	-1.47
		-1.47	1.16e-03	-2.49e-06	0.0	59.6	-4.03	-3.38	-1.00e-04	9.57e-03	1.31e-03	-0.73
391	4	-3.61	4.98e-03	-3.62e-05	-17.44	0.0	-3.11	6.76	-4.36e-03	-6.97e-04	4.98e-03	-4.39
		-5.55	2.62e-03	3.78e-06	0.0	59.6	-3.11	-10.68	-4.36e-03	-6.97e-04	2.62e-03	-5.55
391	19	-1.77	2.89e-03	-1.57e-05	-4.63	0.0	-0.77	1.22	-4.42e-03	-4.16e-03	2.89e-03	-1.86
		-2.52	8.74e-04	1.16e-06	0.0	59.6	-0.77	-3.41	-4.42e-03	-4.16e-03	8.74e-04	-2.52
391	28	-3.14	4.26e-03	-3.16e-05	-17.44	0.0	-4.05	7.29	5.13e-04	7.72e-03	4.26e-03	-4.04
		-4.90	3.66e-03	3.68e-06	0.0	59.6	-4.05	-10.15	5.13e-04	7.72e-03	3.66e-03	-4.90
391	45	-1.01	2.60e-03	-6.52e-06	-4.63	0.0	-2.34	2.10	3.69e-03	9.87e-03	1.69e-03	-1.29
		-1.42	1.69e-03	0.0	0.0	59.6	-2.34	-2.53	3.69e-03	9.87e-03	2.60e-03	-1.42
391	68	-2.55	3.57e-03	-2.50e-05	-12.00	0.0	-2.23	4.63	-3.06e-03	-4.00e-04	3.57e-03	-3.08
		-3.90	1.90e-03	2.66e-06	0.0	59.6	-2.23	-7.37	-3.06e-03	-4.00e-04	1.90e-03	-3.90
391	72	-1.73	2.74e-03	-1.44e-05	-5.09	0.0	-1.09	1.56	-3.43e-03	-2.47e-03	2.74e-03	-1.87
		-2.46	1.09e-03	1.35e-06	0.0	59.6	-1.09	-3.54	-3.43e-03	-2.47e-03	1.09e-03	-2.46
391	80	-2.24	3.08e-03	-2.19e-05	-12.00	0.0	-2.86	4.98	1.86e-04	5.21e-03	3.08e-03	-2.85
		-3.46	2.59e-03	2.59e-06	0.0	59.6	-2.86	-7.02	1.86e-04	5.21e-03	2.59e-03	-3.46
391	85	-1.22	2.24e-03	-8.52e-06	-5.09	0.0	-2.14	2.14	1.98e-03	6.88e-03	1.94e-03	-1.49
		-1.73	1.94e-03	1.23e-06	0.0	59.6	-2.14	-2.95	1.98e-03	6.88e-03	2.24e-03	-1.73

391	98	-2.03	2.87e-03	-1.96e-05	-9.93	0.0	-2.16	3.94	-1.63e-03	1.26e-03	2.87e-03	-2.50
		-3.11	1.81e-03	2.32e-06	0.0	59.6	-2.16	-5.98	-1.63e-03	1.26e-03	1.81e-03	-3.11
391	102	-1.53	2.36e-03	-1.17e-05	-5.09	0.0	-1.47	1.79	-1.77e-03	1.33e-04	2.36e-03	-1.72
		-2.17	1.34e-03	1.50e-06	0.0	59.6	-1.47	-3.30	-1.77e-03	1.33e-04	1.34e-03	-2.17
391	103	-2.00	2.88e-03	-1.89e-05	-9.24	0.0	-1.98	3.58	-2.01e-03	5.43e-04	2.88e-03	-2.42
		-3.03	1.68e-03	2.17e-06	0.0	59.6	-1.98	-5.65	-2.01e-03	5.43e-04	1.68e-03	-3.03
391	104	-1.43	2.20e-03	-1.06e-05	-5.09	0.0	-1.68	1.91	-6.93e-04	2.00e-03	2.20e-03	-1.64
		-2.02	1.57e-03	1.47e-06	0.0	59.6	-1.68	-3.19	-6.93e-04	2.00e-03	1.57e-03	-2.02
391	105	-1.90	2.72e-03	-1.79e-05	-9.24	0.0	-2.19	3.70	-9.27e-04	2.41e-03	2.72e-03	-2.34
		-2.89	1.92e-03	2.14e-06	0.0	59.6	-2.19	-5.53	-9.27e-04	2.41e-03	1.92e-03	-2.89
391	106	-1.48	2.26e-03	-1.12e-05	-5.09	0.0	-1.56	1.85	-1.36e-03	7.84e-04	2.26e-03	-1.68
		-2.10	1.40e-03	1.53e-06	0.0	59.6	-1.56	-3.24	-1.36e-03	7.84e-04	1.40e-03	-2.10
391	107	-1.95	2.78e-03	-1.84e-05	-9.24	0.0	-2.07	3.64	-1.60e-03	1.19e-03	2.78e-03	-2.38
		-2.96	1.75e-03	2.20e-06	0.0	59.6	-2.07	-5.59	-1.60e-03	1.19e-03	1.75e-03	-2.96
391	121	-0.51	-2.80e-03	-1.22e-05	-9.24	0.0	-0.39	5.33	0.05	0.03	-0.03	-1.43
		-1.43	-0.03	2.09e-04	0.0	59.6	-0.39	-3.91	0.05	0.03	-2.80e-03	-1.01
391	122	-3.21	0.04	-2.76e-05	-9.24	0.0	-3.76	1.96	-0.05	-0.03	0.04	-3.33
		-4.92	6.30e-03	-2.05e-04	0.0	59.6	-3.76	-7.27	-0.05	-0.03	6.30e-03	-4.92
391	128	-3.58	3.72e-03	-3.20e-05	-9.24	0.0	1.65	1.47	-2.84e-03	-4.79e-03	3.72e-03	-3.65
		-5.53	-2.33e-03	3.92e-06	0.0	59.6	1.65	-7.76	-2.84e-03	-4.79e-03	-2.33e-03	-5.53
391	129	0.62	3.52e-03	1.28e-05	-9.24	0.0	-4.47	6.49	0.03	0.02	-0.02	-0.74
		-0.74	-0.02	1.37e-04	0.0	59.6	-4.47	-2.75	0.03	0.02	3.52e-03	0.38
391	130	-4.01	0.02	-3.77e-05	-9.24	0.0	0.33	0.80	-0.03	-0.02	0.02	-4.03
		-6.30	-2.82e-05	-1.32e-04	0.0	59.6	0.33	-8.43	-0.03	-0.02	-2.82e-05	-6.30
391	131	-0.02	5.83e-03	-1.06e-05	-9.24	0.0	-5.79	5.81	-3.52e-04	7.17e-03	1.84e-03	-1.11
		-1.11	1.84e-03	0.0	0.0	59.6	-5.79	-3.42	-3.52e-04	7.17e-03	5.83e-03	-0.40
391	153	-0.32	-3.34e-03	-1.16e-05	-9.24	0.0	-0.18	5.53	0.06	0.03	-0.03	-1.31
		-1.31	-0.03	2.36e-04	0.0	59.6	-0.18	-3.70	0.06	0.03	-3.34e-03	-0.76
391	154	-3.35	0.04	-2.92e-05	-9.24	0.0	-3.97	1.75	-0.06	-0.03	0.04	-3.45
		-5.16	6.83e-03	-2.32e-04	0.0	59.6	-3.97	-7.48	-0.06	-0.03	6.83e-03	-5.16
391	160	-3.76	3.83e-03	-3.45e-05	-9.24	0.0	2.11	1.20	-2.99e-03	-5.55e-03	3.83e-03	-3.81
		-5.85	-2.83e-03	4.10e-06	0.0	59.6	2.11	-8.04	-2.99e-03	-5.55e-03	-2.83e-03	-5.85
391	161	0.98	3.75e-03	1.60e-05	-9.24	0.0	-4.78	6.84	0.03	0.03	-0.02	-0.53
		-0.53	-0.02	1.55e-04	0.0	59.6	-4.78	-2.39	0.03	0.03	3.75e-03	0.80
391	162	-4.23	0.02	-4.09e-05	-9.24	0.0	0.63	0.45	-0.03	-0.02	0.02	-4.23
		-6.72	-2.56e-04	-1.50e-04	0.0	59.6	0.63	-8.79	-0.03	-0.02	-2.56e-04	-6.72
391	163	0.24	6.32e-03	-9.83e-06	-9.24	0.0	-6.26	6.09	-2.00e-04	7.93e-03	1.73e-03	-0.95
		-0.95	1.73e-03	0.0	0.0	59.6	-6.26	-3.15	-2.00e-04	7.93e-03	6.32e-03	-0.08
391	185	-0.37	-2.90e-03	-1.16e-05	-9.24	0.0	-0.24	5.48	0.06	0.03	-0.04	-1.34
		-1.34	-0.04	2.47e-04	0.0	59.6	-0.24	-3.75	0.06	0.03	-2.90e-03	-0.82
391	186	-3.32	0.04	-2.90e-05	-9.24	0.0	-3.91	1.80	-0.06	-0.03	0.04	-3.42
		-5.10	6.40e-03	-2.42e-04	0.0	59.6	-3.91	-7.43	-0.06	-0.03	6.40e-03	-5.10
391	192	-3.75	3.68e-03	-3.43e-05	-9.24	0.0	2.06	1.22	-2.86e-03	-5.48e-03	3.68e-03	-3.80
		-5.83	-2.61e-03	4.58e-06	0.0	59.6	2.06	-8.02	-2.86e-03	-5.48e-03	-2.61e-03	-5.83
391	193	0.94	3.78e-03	1.58e-05	-9.24	0.0	-4.77	6.80	0.03	0.03	-0.02	-0.55
		-0.55	-0.02	1.61e-04	0.0	59.6	-4.77	-2.43	0.03	0.03	3.78e-03	0.75
391	194	-4.20	0.02	-4.07e-05	-9.24	0.0	0.63	0.48	-0.03	-0.02	0.02	-4.21
		-6.68	-2.79e-04	-1.57e-04	0.0	59.6	0.63	-8.75	-0.03	-0.02	-2.79e-04	-6.68
391	195	0.23	6.10e-03	-9.88e-06	-9.24	0.0	-6.20	6.07	-3.35e-04	7.86e-03	1.88e-03	-0.96
		-0.96	1.88e-03	0.0	0.0	59.6	-6.20	-3.17	-3.35e-04	7.86e-03	6.10e-03	-0.10
391	217	-0.07	-3.57e-03	-1.07e-05	-9.24	0.0	0.10	5.80	0.07	0.04	-0.04	-1.16
		-1.16	-0.04	2.99e-04	0.0	59.6	0.10	-3.43	0.07	0.04	-3.57e-03	-0.45
391	218	-3.53	0.05	-3.16e-05	-9.24	0.0	-4.25	1.49	-0.07	-0.04	0.05	-3.60
		-5.47	7.06e-03	-2.95e-04	0.0	59.6	-4.25	-7.75	-0.07	-0.04	7.06e-03	-5.47
391	224	-4.01	3.68e-03	-3.79e-05	-9.24	0.0	2.76	0.82	-2.90e-03	-6.48e-03	3.68e-03	-4.03
		-6.30	-3.27e-03	5.69e-06	0.0	59.6	2.76	-8.42	-2.90e-03	-6.48e-03	-3.27e-03	-6.30
391	225	1.49	4.11e-03	2.06e-05	-9.24	0.0	-5.22	7.33	0.04	0.03	-0.02	-0.25
		-0.25	-0.02	1.94e-04	0.0	59.6	-5.22	-1.90	0.04	0.03	4.11e-03	1.37
391	226	-4.52	0.03	-4.55e-05	-9.24	0.0	1.08	-0.05	-0.04	-0.03	0.03	-4.52
		-7.30	-6.13e-04	-1.90e-04	0.0	59.6	1.08	-9.28	-0.04	-0.03	-6.13e-04	-7.30
391	227	0.62	6.77e-03	1.29e-05	-9.24	0.0	-6.90	6.47	-2.95e-04	8.87e-03	1.88e-03	-0.73
		-0.73	1.88e-03	-1.28e-06	0.0	59.6	-6.90	-2.77	-2.95e-04	8.87e-03	6.77e-03	0.37
392	4	-7.22	-8.60e-05	-4.44e-05	-31.23	0.0	-5.61	13.85	1.40e-03	1.37e-03	-6.63e-04	-8.87
		-9.81	-6.63e-04	0.0	0.0	53.6	-5.61	-17.38	1.40e-03	1.37e-03	-8.60e-05	-9.81
392	19	-2.46	-1.51e-04	-1.44e-05	-8.14	0.0	-1.64	3.66	3.70e-04	7.02e-04	-2.62e-04	-2.90
		-3.12	-2.62e-04	0.0	0.0	53.6	-1.64	-4.48	3.70e-04	7.02e-04	-1.51e-04	-3.12
392	28	-7.45	2.81e-04	-3.86e-05	-31.23	0.0	-7.01	13.91	1.81e-03	1.26e-03	-5.27e-04	-9.11
		-10.02	-5.27e-04	0.0	0.0	53.6	-7.01	-17.33	1.81e-03	1.26e-03	2.81e-04	-10.02
392	42	-4.44	4.97e-04	-1.01e-05	-12.50	0.0	-5.34	5.64	1.41e-03	8.46e-04	-1.44e-04	-5.13
		-5.45	-1.44e-04	0.0	0.0	53.6	-5.34	-6.87	1.41e-03	8.46e-04	4.97e-04	-5.45
392	68	-5.07	-3.90e-05	-3.03e-05	-21.47	0.0	-4.01	9.54	1.01e-03	9.77e-04	-4.54e-04	-6.20
		-6.84	-4.54e-04	0.0	0.0	53.6	-4.01	-11.93	1.01e-03	9.77e-04	-3.90e-05	-6.84
392	72	-2.71	-6.01e-05	-1.38e-05	-8.98	0.0	-2.10	4.05	5.07e-04	6.88e-04	-2.45e-04	-3.20
		-3.44	-2.45e-04	0.0	0.0	53.6	-2.10	-4.93	5.07e-04	6.88e-04	-6.01e-05	-3.44
392	80	-5.22	2.06e-04	-2.64e-05	-21.47	0.0	-4.94	9.57	1.28e-03	9.02e-04	-3.63e-04	-6.36

		-6.98	-3.63e-04	0.0	0.0	53.6	-4.94	-11.89	1.28e-03	9.02e-04	2.06e-04	-6.98
392	86	-3.22	3.49e-04	-7.36e-06	-8.98	0.0	-3.83	4.06	1.01e-03	6.26e-04	-1.08e-04	-3.71
		-3.94	-1.08e-04	0.0	0.0	53.6	-3.83	-4.92	1.01e-03	6.26e-04	3.49e-04	-3.94
392	98	-4.27	8.81e-05	-2.30e-05	-17.72	0.0	-3.77	7.95	9.72e-04	7.85e-04	-3.31e-04	-5.23
		-5.72	-3.31e-04	0.0	0.0	53.6	-3.77	-9.77	9.72e-04	7.85e-04	8.81e-05	-5.72
392	102	-2.81	8.94e-05	-1.11e-05	-8.98	0.0	-2.61	4.07	6.71e-04	6.21e-04	-1.89e-04	-3.31
		-3.53	-1.89e-04	0.0	0.0	53.6	-2.61	-4.90	6.71e-04	6.21e-04	8.94e-05	-3.53
392	104	-2.86	1.71e-04	-9.83e-06	-8.98	0.0	-2.92	4.09	7.63e-04	5.96e-04	-1.59e-04	-3.36
		-3.58	-1.59e-04	0.0	0.0	53.6	-2.92	-4.89	7.63e-04	5.96e-04	1.71e-04	-3.58
392	105	-4.09	1.38e-04	-2.05e-05	-16.47	0.0	-3.81	7.40	9.86e-04	7.51e-04	-2.92e-04	-4.98
		-5.43	-2.92e-04	0.0	0.0	53.6	-3.81	-9.07	9.86e-04	7.51e-04	1.38e-04	-5.43
392	106	-2.84	1.27e-04	-1.04e-05	-8.98	0.0	-2.74	4.08	7.12e-04	6.05e-04	-1.76e-04	-3.33
		-3.55	-1.76e-04	0.0	0.0	53.6	-2.74	-4.90	7.12e-04	6.05e-04	1.27e-04	-3.55
392	107	-4.07	9.36e-05	-2.12e-05	-16.47	0.0	-3.63	7.40	9.35e-04	7.59e-04	-3.09e-04	-4.96
		-5.41	-3.09e-04	0.0	0.0	53.6	-3.63	-9.07	9.35e-04	7.59e-04	9.36e-05	-5.41
392	113	-4.83	0.03	-1.87e-05	-16.47	0.0	-5.73	7.19	0.06	0.03	-5.63e-03	-5.68
		-6.22	-5.63e-03	1.18e-04	0.0	53.6	-5.73	-9.28	0.06	0.03	0.03	-6.22
392	114	-3.31	5.01e-03	-2.38e-05	-16.47	0.0	-1.52	7.60	-0.06	-0.03	5.01e-03	-4.24
		-4.59	-0.03	-1.19e-04	0.0	53.6	-1.52	-8.87	-0.06	-0.03	-0.03	-4.59
392	129	-4.85	0.02	2.38e-05	-16.47	0.0	-7.39	8.09	0.03	0.02	7.00e-04	-5.90
		-6.00	7.00e-04	2.12e-05	0.0	53.6	-7.39	-8.38	0.03	0.02	0.02	-6.00
392	130	-3.28	-1.32e-03	-4.10e-05	-16.47	0.0	0.14	6.70	-0.03	-0.02	-1.32e-03	-4.02
		-4.81	-0.01	-2.18e-05	0.0	53.6	0.14	-9.77	-0.03	-0.02	-0.01	-4.81
392	133	-5.05	0.02	1.93e-05	-16.47	0.0	-7.36	7.81	0.04	-1.32e-03	-3.80e-04	-6.03
		-6.28	-3.80e-04	5.15e-05	0.0	53.6	-7.36	-8.66	0.04	-1.32e-03	0.02	-6.28
392	134	-3.08	-2.37e-04	-3.79e-05	-16.47	0.0	0.11	6.98	-0.04	2.84e-03	-2.37e-04	-3.88
		-4.53	-0.02	-5.22e-05	0.0	53.6	0.11	-9.49	-0.04	2.84e-03	-0.02	-4.53
392	145	-4.92	0.03	-1.84e-05	-16.47	0.0	-5.99	7.16	0.07	0.03	-6.29e-03	-5.77
		-6.33	-6.29e-03	1.34e-04	0.0	53.6	-5.99	-9.31	0.07	0.03	0.03	-6.33
392	146	-3.21	5.67e-03	-2.42e-05	-16.47	0.0	-1.26	7.63	-0.07	-0.03	5.67e-03	-4.15
		-4.49	-0.03	-1.35e-04	0.0	53.6	-1.26	-8.84	-0.07	-0.03	-0.03	-4.49
392	161	-4.94	0.02	2.75e-05	-16.47	0.0	-7.86	8.17	0.04	0.02	8.24e-04	-6.01
		-6.08	8.24e-04	2.42e-05	0.0	53.6	-7.86	-8.30	0.04	0.02	0.02	-6.08
392	162	-3.18	-1.44e-03	-4.39e-05	-16.47	0.0	0.61	6.62	-0.04	-0.02	-1.44e-03	-3.90
		-4.73	-0.02	-2.48e-05	0.0	53.6	0.61	-9.85	-0.04	-0.02	-0.02	-4.73
392	165	-5.17	0.02	2.24e-05	-16.47	0.0	-7.82	7.86	0.04	-1.60e-03	-3.84e-04	-6.17
		-6.39	-3.84e-04	5.87e-05	0.0	53.6	-7.82	-8.61	0.04	-1.60e-03	0.02	-6.39
392	166	-2.96	-2.34e-04	-4.02e-05	-16.47	0.0	0.57	6.93	-0.04	3.12e-03	-2.34e-04	-3.75
		-4.42	-0.02	-5.93e-05	0.0	53.6	0.57	-9.54	-0.04	3.12e-03	-0.02	-4.42
392	177	-4.92	0.03	-1.82e-05	-16.47	0.0	-5.97	7.17	0.07	0.03	-6.15e-03	-5.76
		-6.32	-6.15e-03	1.44e-04	0.0	53.6	-5.97	-9.30	0.07	0.03	0.03	-6.32
392	178	-3.22	5.54e-03	-2.44e-05	-16.47	0.0	-1.28	7.62	-0.07	-0.03	5.54e-03	-4.15
		-4.50	-0.03	-1.45e-04	0.0	53.6	-1.28	-8.85	-0.07	-0.03	-0.03	-4.50
392	193	-4.94	0.02	2.73e-05	-16.47	0.0	-7.83	8.16	0.04	0.02	7.85e-04	-6.01
		-6.08	7.85e-04	2.63e-05	0.0	53.6	-7.83	-8.31	0.04	0.02	0.02	-6.08
392	194	-3.18	-1.40e-03	-4.37e-05	-16.47	0.0	0.58	6.63	-0.04	-0.02	-1.40e-03	-3.91
		-4.73	-0.02	-2.69e-05	0.0	53.6	0.58	-9.84	-0.04	-0.02	-0.02	-4.73
392	197	-5.16	0.02	2.21e-05	-16.47	0.0	-7.76	7.85	0.04	-1.66e-03	-3.45e-04	-6.15
		-6.38	-3.45e-04	6.54e-05	0.0	53.6	-7.76	-8.62	0.04	-1.66e-03	0.02	-6.38
392	198	-2.97	-2.72e-04	-3.99e-05	-16.47	0.0	0.50	6.94	-0.04	3.18e-03	-2.72e-04	-3.77
		-4.44	-0.02	-6.61e-05	0.0	53.6	0.50	-9.53	-0.04	3.18e-03	-0.02	-4.44
392	209	-5.06	0.03	-1.76e-05	-16.47	0.0	-6.37	7.13	0.08	0.03	-7.15e-03	-5.90
		-6.48	-7.15e-03	1.76e-04	0.0	53.6	-6.37	-9.34	0.08	0.03	0.03	-6.48
392	210	-3.07	6.53e-03	-2.50e-05	-16.47	0.0	-0.88	7.66	-0.08	-0.03	6.53e-03	-4.01
		-4.34	-0.03	-1.76e-04	0.0	53.6	-0.88	-8.81	-0.08	-0.03	-0.03	-4.34
392	225	-5.09	0.02	3.28e-05	-16.47	0.0	-8.55	8.28	0.05	0.03	9.23e-04	-6.19
		-6.21	9.23e-04	3.22e-05	0.0	53.6	-8.55	-8.19	0.05	0.03	0.02	-6.21
392	226	-3.02	-1.54e-03	-4.80e-05	-16.47	0.0	1.30	6.51	-0.05	-0.03	-1.54e-03	-3.72
		-4.61	-0.02	-3.29e-05	0.0	53.6	1.30	-9.96	-0.05	-0.03	-0.02	-4.61
392	229	-5.33	0.02	2.66e-05	-16.47	0.0	-8.42	7.92	0.05	-2.23e-03	-3.32e-04	-6.34
		-6.54	-3.32e-04	8.10e-05	0.0	53.6	-8.42	-8.55	0.05	-2.23e-03	0.02	-6.54
392	230	-2.80	-2.85e-04	-4.35e-05	-16.47	0.0	1.17	6.87	-0.05	3.75e-03	-2.85e-04	-3.57
		-4.28	-0.02	-8.16e-05	0.0	53.6	1.17	-9.60	-0.05	3.75e-03	-0.02	-4.28
393	19	-2.98	-2.01e-04	-1.36e-05	-8.14	0.0	-1.16	2.08	-2.85e-04	1.20e-03	-2.01e-04	-3.12
		-4.19	-5.10e-04	0.0	0.0	53.6	-1.16	-6.07	-2.85e-04	1.20e-03	-5.10e-04	-4.19
393	28	-9.58	4.28e-03	-2.73e-05	-31.23	0.0	-6.92	7.21	8.29e-03	2.10e-03	1.67e-04	-10.02
		-14.53	1.67e-04	0.0	0.0	53.6	-6.92	-24.02	8.29e-03	2.10e-03	4.28e-03	-14.53
393	44	-8.40	5.07e-03	-1.85e-05	-25.62	0.0	-7.07	5.40	9.43e-03	1.94e-03	3.29e-04	-8.70
		-12.68	3.29e-04	0.0	0.0	53.6	-7.07	-20.22	9.43e-03	1.94e-03	5.07e-03	-12.68
393	72	-3.30	2.60e-04	-1.18e-05	-8.98	0.0	-1.73	2.11	1.01e-03	1.20e-03	-1.13e-04	-3.44
		-4.71	-1.13e-04	0.0	0.0	53.6	-1.73	-6.86	1.01e-03	1.20e-03	2.60e-04	-4.71
393	75	-5.58	5.72e-04	-2.12e-05	-17.72	0.0	-2.83	4.37	1.77e-03	1.52e-03	-1.68e-04	-5.87
		-8.28	-1.68e-04	0.0	0.0	53.6	-2.83	-13.35	1.77e-03	1.52e-03	5.72e-04	-8.28
393	80	-6.68	3.06e-03	-1.86e-05	-21.47	0.0	-4.87	4.91	5.92e-03	1.53e-03	1.23e-04	-6.98
		-10.11	1.23e-04	0.0	0.0	53.6	-4.87	-16.55	5.92e-03	1.53e-03	3.06e-03	-10.11

393	88	-5.90	3.58e-03	-1.27e-05	-17.72	0.0	-4.97	3.70	6.68e-03	1.42e-03	2.32e-04	-6.10
		-8.87	2.32e-04	0.0	0.0	53.6	-4.97	-14.01	6.68e-03	1.42e-03	3.58e-03	-8.87
393	98	-5.44	1.94e-03	-1.74e-05	-17.72	0.0	-3.54	4.30	3.97e-03	1.35e-03	1.94e-05	-5.72
		-8.16	1.94e-05	0.0	0.0	53.6	-3.54	-13.42	3.97e-03	1.35e-03	1.94e-03	-8.16
393	102	-3.43	1.42e-03	-8.06e-06	-8.98	0.0	-2.42	1.86	2.92e-03	1.14e-03	3.39e-05	-3.53
		-4.94	3.39e-05	0.0	0.0	53.6	-2.42	-7.12	2.92e-03	1.14e-03	1.42e-03	-4.94
393	103	-5.12	1.62e-03	-1.68e-05	-16.47	0.0	-3.23	4.00	3.41e-03	1.33e-03	-1.01e-05	-5.38
		-7.65	-1.01e-05	0.0	0.0	53.6	-3.23	-12.47	3.41e-03	1.33e-03	1.62e-03	-7.65
393	105	-5.19	2.22e-03	-1.51e-05	-16.47	0.0	-3.66	3.87	4.40e-03	1.31e-03	6.99e-05	-5.43
		-7.77	6.99e-05	0.0	0.0	53.6	-3.66	-12.60	4.40e-03	1.31e-03	2.22e-03	-7.77
393	106	-3.46	1.72e-03	-7.23e-06	-8.98	0.0	-2.60	1.80	3.39e-03	1.12e-03	7.07e-05	-3.55
		-5.00	7.07e-05	0.0	0.0	53.6	-2.60	-7.18	3.39e-03	1.12e-03	1.72e-03	-5.00
393	107	-5.16	1.91e-03	-1.60e-05	-16.47	0.0	-3.41	3.94	3.89e-03	1.32e-03	2.67e-05	-5.41
		-7.71	2.67e-05	0.0	0.0	53.6	-3.41	-12.53	3.89e-03	1.32e-03	1.91e-03	-7.71
393	113	-6.19	0.58	-1.22e-05	-16.47	0.0	-6.73	1.52	1.07	0.03	-7.47e-03	-6.22
		-9.79	-7.47e-03	1.26e-04	0.0	53.6	-6.73	-14.95	1.07	0.03	0.58	-9.79
393	114	-3.95	7.52e-03	-2.00e-05	-16.47	0.0	-0.09	6.36	-1.06	-0.03	7.52e-03	-4.59
		-5.63	-0.58	-1.27e-04	0.0	53.6	-0.09	-10.11	-1.06	-0.03	-0.58	-5.63
393	129	-6.00	0.33	7.87e-05	-16.47	0.0	-9.28	0.31	0.61	0.02	5.60e-03	-6.00
		-10.23	5.60e-03	2.02e-05	0.0	53.6	-9.28	-16.16	0.61	0.02	0.33	-10.23
393	130	-3.89	-5.54e-03	-7.59e-05	-16.47	0.0	2.46	7.57	-0.60	-0.02	-5.54e-03	-4.81
		-5.19	-0.33	-2.09e-05	0.0	53.6	2.46	-8.90	-0.60	-0.02	-0.33	-5.19
393	133	-6.28	0.37	5.74e-05	-16.47	0.0	-9.18	0.19	0.68	-7.34e-04	1.46e-03	-6.28
		-10.57	1.46e-03	5.71e-05	0.0	53.6	-9.18	-16.28	0.68	-7.34e-04	0.37	-10.57
393	134	-3.58	-1.41e-03	-5.59e-05	-16.47	0.0	2.36	7.69	-0.67	3.37e-03	-1.41e-03	-4.53
		-4.85	-0.36	-5.77e-05	0.0	53.6	2.36	-8.78	-0.67	3.37e-03	-0.36	-4.85
393	145	-6.30	0.65	-1.17e-05	-16.47	0.0	-7.14	1.22	1.20	0.03	-8.37e-03	-6.33
		-10.06	-8.37e-03	1.43e-04	0.0	53.6	-7.14	-15.25	1.20	0.03	0.65	-10.06
393	146	-3.78	8.43e-03	-2.05e-05	-16.47	0.0	0.32	6.66	-1.19	-0.03	8.43e-03	-4.49
		-5.37	-0.65	-1.43e-04	0.0	53.6	0.32	-9.81	-1.19	-0.03	-0.65	-5.37
393	161	-6.08	0.37	8.83e-05	-16.47	0.0	-10.02	-0.15	0.68	0.02	6.29e-03	-6.08
		-10.55	6.29e-03	2.31e-05	0.0	53.6	-10.02	-16.62	0.68	0.02	0.37	-10.55
393	162	-3.70	-6.23e-03	-8.56e-05	-16.47	0.0	3.20	8.03	-0.67	-0.02	-6.23e-03	-4.73
		-4.87	-0.37	-2.37e-05	0.0	53.6	3.20	-8.44	-0.67	-0.02	-0.37	-4.87
393	165	-6.39	0.41	6.43e-05	-16.47	0.0	-9.90	-0.27	0.76	-1.02e-03	1.65e-03	-6.39
		-10.93	1.65e-03	6.49e-05	0.0	53.6	-9.90	-16.74	0.76	-1.02e-03	0.41	-10.93
393	166	-3.35	-1.59e-03	-6.21e-05	-16.47	0.0	3.08	8.15	-0.75	3.66e-03	-1.59e-03	-4.42
		-4.49	-0.41	-6.55e-05	0.0	53.6	3.08	-8.32	-0.75	3.66e-03	-0.41	-4.49
393	177	-6.29	0.65	-1.15e-05	-16.47	0.0	-7.11	1.23	1.19	0.03	-7.92e-03	-6.32
		-10.05	-7.92e-03	1.52e-04	0.0	53.6	-7.11	-15.24	1.19	0.03	0.65	-10.05
393	178	-3.79	7.97e-03	-2.07e-05	-16.47	0.0	0.29	6.65	-1.18	-0.03	7.97e-03	-4.50
		-5.38	-0.64	-1.53e-04	0.0	53.6	0.29	-9.82	-1.18	-0.03	-0.64	-5.38
393	193	-6.08	0.37	8.69e-05	-16.47	0.0	-9.98	-0.13	0.68	0.02	6.19e-03	-6.08
		-10.54	6.19e-03	2.47e-05	0.0	53.6	-9.98	-16.60	0.68	0.02	0.37	-10.54
393	194	-3.70	-6.13e-03	-8.41e-05	-16.47	0.0	3.16	8.01	-0.68	-0.02	-6.13e-03	-4.73
		-4.88	-0.37	-2.53e-05	0.0	53.6	3.16	-8.46	-0.68	-0.02	-0.37	-4.88
393	197	-6.38	0.41	6.33e-05	-16.47	0.0	-9.78	-0.20	0.75	-1.14e-03	1.71e-03	-6.38
		-10.88	1.71e-03	7.15e-05	0.0	53.6	-9.78	-16.67	0.75	-1.14e-03	0.41	-10.88
393	198	-3.39	-1.66e-03	-6.11e-05	-16.47	0.0	2.97	8.08	-0.75	3.77e-03	-1.66e-03	-4.44
		-4.54	-0.41	-7.21e-05	0.0	53.6	2.97	-8.39	-0.75	3.77e-03	-0.41	-4.54
393	209	-6.46	0.76	-1.08e-05	-16.47	0.0	-7.74	0.77	1.40	0.04	-9.19e-03	-6.48
		-10.45	-9.19e-03	1.85e-04	0.0	53.6	-7.74	-15.70	1.40	0.04	0.76	-10.45
393	210	-3.53	9.24e-03	-2.16e-05	-16.47	0.0	0.92	7.11	-1.39	-0.03	9.24e-03	-4.34
		-4.97	-0.76	-1.85e-04	0.0	53.6	0.92	-9.36	-1.39	-0.03	-0.76	-4.97
393	225	-6.21	0.44	1.01e-04	-16.47	0.0	-11.09	-0.82	0.81	0.03	7.30e-03	-6.21
		-11.04	7.30e-03	3.01e-05	0.0	53.6	-11.09	-17.29	0.81	0.03	0.44	-11.04
393	226	-3.39	-7.25e-03	-9.81e-05	-16.47	0.0	4.27	8.70	-0.80	-0.03	-7.25e-03	-4.61
		-4.61	-0.44	-3.08e-05	0.0	53.6	4.27	-7.77	-0.80	-0.03	-0.44	-4.61
393	229	-6.54	0.48	7.32e-05	-16.47	0.0	-10.81	-0.87	0.88	-1.73e-03	2.00e-03	-6.54
		-11.40	2.00e-03	8.80e-05	0.0	53.6	-10.81	-17.34	0.88	-1.73e-03	0.48	-11.40
393	230	-3.05	-1.95e-03	-7.05e-05	-16.47	0.0	3.99	8.75	-0.87	4.36e-03	-1.95e-03	-4.28
		-4.28	-0.48	-8.87e-05	0.0	53.6	3.99	-7.72	-0.87	4.36e-03	-0.48	-4.28
394	4	-8.75	6.15e-03	2.97e-04	-30.61	0.0	-5.15	5.54	0.05	8.23e-03	-0.02	-9.01
		-14.15	-0.02	-1.90e-06	0.0	52.6	-5.15	-25.07	0.05	8.23e-03	6.15e-03	-14.15
394	18	-7.33	5.57e-03	2.66e-04	-25.10	0.0	-5.40	3.52	0.05	7.89e-03	-0.02	-7.45
		-12.20	-0.02	-1.92e-06	0.0	52.6	-5.40	-21.59	0.05	7.89e-03	5.57e-03	-12.20
394	19	-2.42	2.53e-03	1.14e-04	-7.98	0.0	-3.48	-0.28	0.02	4.97e-03	-9.88e-03	-2.42
		-4.66	-9.88e-03	-1.23e-06	0.0	52.6	-3.48	-8.26	0.02	4.97e-03	2.53e-03	-4.66
394	28	-8.90	5.69e-03	2.84e-04	-30.61	0.0	-3.66	6.16	0.05	8.30e-03	-0.02	-9.22
		-14.03	-0.02	-1.92e-06	0.0	52.6	-3.66	-24.45	0.05	8.30e-03	5.69e-03	-14.03
394	45	-2.75	1.76e-03	9.30e-05	-7.98	0.0	-1.00	0.74	0.03	5.09e-03	-0.01	-2.77
		-4.47	-0.01	-1.26e-06	0.0	52.6	-1.00	-7.24	0.03	5.09e-03	1.76e-03	-4.47
394	68	-6.06	4.31e-03	2.08e-04	-21.04	0.0	-3.62	3.64	0.04	6.12e-03	-0.01	-6.23
		-9.84	-0.01	-1.37e-06	0.0	52.6	-3.62	-17.40	0.04	6.12e-03	4.31e-03	-9.84
394	72	-2.72	2.55e-03	1.18e-04	-8.80	0.0	-3.00	0.07	0.02	5.12e-03	-0.01	-2.72

		-5.00	-0.01	-1.16e-06	0.0	52.6	-3.00	-8.73	0.02	5.12e-03	2.55e-03	-5.00
394	75	-5.11	3.92e-03	1.87e-04	-17.36	0.0	-3.78	2.29	0.03	5.89e-03	-0.01	-5.19
		-8.55	-0.01	-1.39e-06	0.0	52.6	-3.78	-15.08	0.03	5.89e-03	3.92e-03	-8.55
394	80	-6.16	4.00e-03	1.99e-04	-21.04	0.0	-2.63	4.05	0.04	6.17e-03	-0.02	-6.36
		-9.77	-0.02	-1.39e-06	0.0	52.6	-2.63	-16.99	0.04	6.17e-03	4.00e-03	-9.77
394	85	-2.94	2.04e-03	1.04e-04	-8.80	0.0	-1.34	0.75	0.03	5.20e-03	-0.01	-2.96
		-4.88	-0.01	-1.18e-06	0.0	52.6	-1.34	-8.05	0.03	5.20e-03	2.04e-03	-4.88
394	98	-5.00	3.44e-03	1.66e-04	-17.36	0.0	-2.53	3.24	0.03	5.66e-03	-0.01	-5.16
		-8.02	-0.01	-1.10e-06	0.0	52.6	-2.53	-14.13	0.03	5.66e-03	3.44e-03	-8.02
394	101	-4.78	3.37e-03	1.64e-04	-16.14	0.0	-2.48	2.60	0.03	5.72e-03	-0.01	-4.89
		-7.77	-0.01	-1.12e-06	0.0	52.6	-2.48	-13.55	0.03	5.72e-03	3.37e-03	-7.77
394	102	-2.82	2.35e-03	1.12e-04	-8.80	0.0	-2.08	0.35	0.03	5.19e-03	-0.01	-2.82
		-4.95	-0.01	0.0	0.0	52.6	-2.08	-8.45	0.03	5.19e-03	2.35e-03	-4.95
394	103	-4.68	3.33e-03	1.60e-04	-16.14	0.0	-2.67	2.76	0.03	5.57e-03	-0.01	-4.80
		-7.59	-0.01	-1.12e-06	0.0	52.6	-2.67	-13.38	0.03	5.57e-03	3.33e-03	-7.59
394	104	-2.86	2.25e-03	1.10e-04	-8.80	0.0	-1.75	0.48	0.03	5.21e-03	-0.01	-2.87
		-4.93	-0.01	0.0	0.0	52.6	-1.75	-8.31	0.03	5.21e-03	2.25e-03	-4.93
394	106	-2.84	2.30e-03	1.11e-04	-8.80	0.0	-1.85	0.42	0.03	5.21e-03	-0.01	-2.85
		-4.94	-0.01	0.0	0.0	52.6	-1.85	-8.38	0.03	5.21e-03	2.30e-03	-4.94
394	107	-4.70	3.28e-03	1.58e-04	-16.14	0.0	-2.44	2.83	0.03	5.59e-03	-0.01	-4.83
		-7.58	-0.01	-1.08e-06	0.0	52.6	-2.44	-13.31	0.03	5.59e-03	3.28e-03	-7.58
394	108	-2.33	0.31	2.59e-04	-16.14	0.0	-2.66	-3.99	-0.56	-0.02	0.31	-2.33
		-8.70	0.01	1.99e-04	0.0	52.6	-2.66	-20.13	-0.56	-0.02	0.01	-8.70
394	120	-3.05	0.40	2.28e-04	-16.14	0.0	-2.41	-1.95	-0.73	0.03	0.40	-3.05
		-8.45	0.02	2.44e-04	0.0	52.6	-2.41	-18.09	-0.73	0.03	0.02	-8.45
394	123	-5.60	-0.01	8.90e-05	-16.14	0.0	-2.46	7.62	0.79	-0.02	-0.43	-6.61
		-6.71	-0.43	-2.47e-04	0.0	52.6	-2.46	-8.52	0.79	-0.02	-0.01	-6.71
394	124	-2.00	2.29e-03	2.57e-04	-16.14	0.0	-12.82	-3.84	0.06	-0.01	-0.03	-2.00
		-8.31	-0.03	2.88e-06	0.0	52.6	-12.82	-19.98	0.06	-0.01	2.29e-03	-8.31
394	129	-5.95	0.23	1.00e-04	-16.14	0.0	9.88	6.69	-0.41	0.02	0.23	-6.70
		-7.38	0.01	1.28e-04	0.0	52.6	9.88	-9.45	-0.41	0.02	0.01	-7.38
394	130	-2.96	-4.98e-03	2.16e-04	-16.14	0.0	-14.75	-1.02	0.47	-0.01	-0.25	-2.96
		-7.79	-0.25	-1.31e-04	0.0	52.6	-14.75	-17.16	0.47	-0.01	-4.98e-03	-7.79
394	140	-2.01	0.35	2.71e-04	-16.14	0.0	-2.68	-4.85	-0.63	-0.02	0.35	-2.01
		-8.84	0.01	2.24e-04	0.0	52.6	-2.68	-20.99	-0.63	-0.02	0.01	-8.84
394	152	-2.83	0.46	2.36e-04	-16.14	0.0	-2.38	-2.56	-0.83	0.04	0.46	-2.83
		-8.56	0.02	2.78e-04	0.0	52.6	-2.38	-18.70	-0.83	0.04	0.02	-8.56
394	155	-5.65	-0.01	8.02e-05	-16.14	0.0	-2.49	8.22	0.89	-0.02	-0.48	-6.83
		-6.83	-0.48	-2.80e-04	0.0	52.6	-2.49	-7.92	0.89	-0.02	-0.01	-6.60
394	156	-1.65	2.15e-03	2.70e-04	-16.14	0.0	-14.12	-4.67	0.07	-0.01	-0.03	-1.65
		-8.40	-0.03	2.95e-06	0.0	52.6	-14.12	-20.81	0.07	-0.01	2.15e-03	-8.40
394	161	-6.07	0.26	9.34e-05	-16.14	0.0	11.43	7.16	-0.46	0.02	0.26	-6.93
		-7.35	0.01	1.46e-04	0.0	52.6	11.43	-8.98	-0.46	0.02	0.01	-7.35
394	162	-2.73	-6.06e-03	2.23e-04	-16.14	0.0	-16.30	-1.49	0.53	-0.01	-0.28	-2.73
		-7.81	-0.28	-1.48e-04	0.0	52.6	-16.30	-17.64	0.53	-0.01	-6.06e-03	-7.81
394	172	-2.07	0.34	2.69e-04	-16.14	0.0	-2.65	-4.73	-0.63	-0.02	0.34	-2.07
		-8.83	0.01	2.28e-04	0.0	52.6	-2.65	-20.87	-0.63	-0.02	0.01	-8.83
394	184	-2.86	0.47	2.36e-04	-16.14	0.0	-2.21	-2.51	-0.86	0.04	0.47	-2.86
		-8.57	0.02	2.95e-04	0.0	52.6	-2.21	-18.65	-0.86	0.04	0.02	-8.57
394	187	-5.64	-0.01	8.10e-05	-16.14	0.0	-2.66	8.17	0.92	-0.02	-0.50	-6.79
		-6.79	-0.50	-2.97e-04	0.0	52.6	-2.66	-7.97	0.92	-0.02	-0.01	-6.60
394	188	-1.71	2.11e-03	2.68e-04	-16.14	0.0	-13.98	-4.53	0.07	-0.01	-0.04	-1.71
		-8.39	-0.04	0.0	0.0	52.6	-13.98	-20.67	0.07	-0.01	2.11e-03	-8.39
394	193	-6.05	0.26	9.48e-05	-16.14	0.0	11.33	7.06	-0.48	0.02	0.26	-6.88
		-7.36	0.01	1.55e-04	0.0	52.6	11.33	-9.08	-0.48	0.02	0.01	-7.36
394	194	-2.78	-6.25e-03	2.22e-04	-16.14	0.0	-16.20	-1.39	0.54	-0.01	-0.29	-2.78
		-7.80	-0.29	-1.57e-04	0.0	52.6	-16.20	-17.53	0.54	-0.01	-6.25e-03	-7.80
394	204	-1.61	0.41	2.88e-04	-16.14	0.0	-2.66	-5.98	-0.75	-0.03	0.41	-1.61
		-9.04	0.02	2.71e-04	0.0	52.6	-2.66	-22.12	-0.75	-0.03	0.02	-9.04
394	216	-2.51	0.57	2.50e-04	-16.14	0.0	-2.00	-3.51	-1.05	0.04	0.57	-2.51
		-8.76	0.02	3.60e-04	0.0	52.6	-2.00	-19.65	-1.05	0.04	0.02	-8.76
394	219	-5.69	-0.02	6.65e-05	-16.14	0.0	-2.87	9.18	1.11	-0.03	-0.60	-7.15
		-7.15	-0.60	-3.62e-04	0.0	52.6	-2.87	-6.96	1.11	-0.03	-0.02	-6.41
394	220	-1.21	1.85e-03	2.85e-04	-16.14	0.0	-15.88	-5.72	0.08	-0.02	-0.04	-1.21
		-8.53	-0.04	0.0	0.0	52.6	-15.88	-21.86	0.08	-0.02	1.85e-03	-8.53
394	225	-6.21	0.32	8.52e-05	-16.14	0.0	13.65	7.70	-0.58	0.03	0.32	-7.20
		-7.33	0.01	1.88e-04	0.0	52.6	13.65	-8.44	-0.58	0.03	0.01	-7.33
394	226	-2.46	-8.13e-03	2.31e-04	-16.14	0.0	-18.52	-2.03	0.64	-0.02	-0.34	-2.46
		-7.83	-0.34	-1.90e-04	0.0	52.6	-18.52	-18.17	0.64	-0.02	-8.13e-03	-7.83
395	4	-12.49	6.15e-03	1.06e-04	-30.61	0.0	-1.05	13.92	-0.01	8.23e-03	6.15e-03	-14.15
		-14.88	-3.79e-04	-1.15e-06	0.0	52.6	-1.05	-16.69	-0.01	8.23e-03	-3.79e-04	-14.88
395	28	-12.45	5.69e-03	1.04e-04	-30.61	0.0	-1.41	13.56	-0.01	8.30e-03	5.69e-03	-14.03
		-14.95	-5.56e-04	-1.22e-06	0.0	52.6	-1.41	-17.05	-0.01	8.30e-03	-5.56e-04	-14.95
395	43	-10.05	4.45e-03	8.30e-05	-25.10	0.0	-1.71	10.99	-9.35e-03	7.51e-03	4.45e-03	-11.32
		-12.14	-4.59e-04	-1.27e-06	0.0	52.6	-1.71	-14.11	-9.35e-03	7.51e-03	-4.59e-04	-12.14

395	45	-4.18	1.76e-03	3.62e-05	-7.98	0.0	-1.42	2.97	-3.56e-03	5.09e-03	1.76e-03	-4.47
		-5.01	-1.07e-04	-1.02e-06	0.0	52.6	-1.42	-5.01	-3.56e-03	5.09e-03	-1.07e-04	-5.01
395	60	-5.69	2.85e-03	5.30e-05	-7.98	0.0	-0.59	2.87	-5.43e-03	6.10e-03	2.85e-03	-5.96
		-6.55	-3.32e-06	0.0	0.0	52.6	-0.59	-5.11	-5.43e-03	6.10e-03	-3.32e-06	-6.55
395	68	-8.71	4.31e-03	7.42e-05	-21.04	0.0	-0.78	9.52	-8.65e-03	6.12e-03	4.31e-03	-9.84
		-10.37	-2.36e-04	0.0	0.0	52.6	-0.78	-11.52	-8.65e-03	6.12e-03	-2.36e-04	-10.37
395	80	-8.69	4.00e-03	7.28e-05	-21.04	0.0	-1.02	9.28	-8.29e-03	6.17e-03	4.00e-03	-9.77
		-10.42	-3.54e-04	0.0	0.0	52.6	-1.02	-11.76	-8.29e-03	6.17e-03	-3.54e-04	-10.42
395	85	-4.52	2.04e-03	3.95e-05	-8.80	0.0	-1.18	3.44	-4.04e-03	5.20e-03	2.04e-03	-4.88
		-5.38	-8.11e-05	0.0	0.0	52.6	-1.18	-5.36	-4.04e-03	5.20e-03	-8.11e-05	-5.38
395	87	-7.09	3.18e-03	5.90e-05	-17.36	0.0	-1.22	7.57	-6.60e-03	5.64e-03	3.18e-03	-7.96
		-8.54	-2.90e-04	0.0	0.0	52.6	-1.22	-9.80	-6.60e-03	5.64e-03	-2.90e-04	-8.54
395	93	-5.53	2.77e-03	5.06e-05	-8.80	0.0	-0.62	3.38	-5.29e-03	5.87e-03	2.77e-03	-5.87
		-6.41	-1.19e-05	0.0	0.0	52.6	-0.62	-5.42	-5.29e-03	5.87e-03	-1.19e-05	-6.41
395	98	-7.11	3.44e-03	6.01e-05	-17.36	0.0	-0.71	7.76	-6.92e-03	5.66e-03	3.44e-03	-8.02
		-8.51	-1.94e-04	0.0	0.0	52.6	-0.71	-9.60	-6.92e-03	5.66e-03	-1.94e-04	-8.51
395	99	-4.75	2.40e-03	4.26e-05	-8.80	0.0	-0.65	3.59	-4.54e-03	5.34e-03	2.40e-03	-5.13
		-5.56	9.14e-06	0.0	0.0	52.6	-0.65	-5.21	-4.54e-03	5.34e-03	9.14e-06	-5.56
395	104	-4.54	2.25e-03	4.04e-05	-8.80	0.0	-0.76	3.60	-4.29e-03	5.21e-03	2.25e-03	-4.93
		-5.35	-4.70e-06	0.0	0.0	52.6	-0.76	-5.20	-4.29e-03	5.21e-03	-4.70e-06	-5.35
395	105	-6.74	3.23e-03	5.71e-05	-16.14	0.0	-0.80	7.13	-6.49e-03	5.59e-03	3.23e-03	-7.57
		-8.06	-1.84e-04	0.0	0.0	52.6	-0.80	-9.01	-6.49e-03	5.59e-03	-1.84e-04	-8.06
395	106	-4.55	2.30e-03	4.06e-05	-8.80	0.0	-0.66	3.64	-4.36e-03	5.21e-03	2.30e-03	-4.94
		-5.34	1.44e-05	0.0	0.0	52.6	-0.66	-5.16	-4.36e-03	5.21e-03	1.44e-05	-5.34
395	107	-6.74	3.28e-03	5.73e-05	-16.14	0.0	-0.70	7.17	-6.55e-03	5.59e-03	3.28e-03	-7.58
		-8.05	-1.65e-04	0.0	0.0	52.6	-0.70	-8.97	-6.55e-03	5.59e-03	-1.65e-04	-8.05
395	113	-7.97	0.01	7.89e-05	-16.14	0.0	2.72	5.85	-0.04	-0.02	0.01	-8.46
		-9.81	-0.01	2.01e-04	0.0	52.6	2.72	-10.29	-0.04	-0.02	-0.01	-9.81
395	114	-5.43	0.01	3.57e-05	-16.14	0.0	-4.12	8.50	0.03	0.03	-6.29e-03	-6.71
		-6.71	-6.29e-03	-2.02e-04	0.0	52.6	-4.12	-7.64	0.03	0.03	0.01	-6.29
395	120	-7.65	0.02	7.85e-05	-16.14	0.0	-0.02	6.62	-0.05	0.03	0.02	-8.45
		-8.99	-6.72e-03	2.48e-04	0.0	52.6	-0.02	-9.52	-0.05	0.03	-6.72e-03	-8.99
395	123	-5.84	6.39e-03	3.61e-05	-16.14	0.0	-1.38	7.73	0.04	-0.02	-0.01	-6.71
		-7.11	-0.01	-2.50e-04	0.0	52.6	-1.38	-8.41	0.04	-0.02	6.39e-03	-7.11
395	133	-7.18	2.23e-03	5.74e-05	-16.14	0.0	4.29	5.82	-4.20e-03	-0.01	2.23e-03	-7.51
		-9.37	-7.08e-03	0.0	0.0	52.6	4.29	-10.32	-4.20e-03	-0.01	-7.08e-03	-9.37
395	134	-6.09	6.75e-03	5.72e-05	-16.14	0.0	-5.69	8.53	-8.91e-03	0.02	4.33e-03	-7.66
		-7.66	4.33e-03	-1.60e-06	0.0	52.6	-5.69	-7.61	-8.91e-03	0.02	6.75e-03	-6.74
395	145	-8.12	0.01	8.17e-05	-16.14	0.0	3.15	5.68	-0.04	-0.02	0.01	-8.57
		-10.04	-0.01	2.26e-04	0.0	52.6	3.15	-10.46	-0.04	-0.02	-0.01	-10.04
395	146	-5.26	0.01	3.29e-05	-16.14	0.0	-4.55	8.67	0.03	0.03	-7.50e-03	-6.59
		-6.59	-7.50e-03	-2.28e-04	0.0	52.6	-4.55	-7.47	0.03	0.03	0.01	-6.07
395	152	-7.76	0.02	8.13e-05	-16.14	0.0	0.08	6.54	-0.05	0.04	0.02	-8.56
		-9.12	-7.58e-03	2.82e-04	0.0	52.6	0.08	-9.60	-0.05	0.04	-7.58e-03	-9.12
395	155	-5.73	7.25e-03	3.34e-05	-16.14	0.0	-1.48	7.81	0.04	-0.02	-0.01	-6.60
		-6.99	-0.01	-2.83e-04	0.0	52.6	-1.48	-8.34	0.04	-0.02	7.25e-03	-6.99
395	165	-7.21	2.08e-03	5.75e-05	-16.14	0.0	4.91	5.65	-3.86e-03	-0.01	2.08e-03	-7.50
		-9.54	-7.95e-03	0.0	0.0	52.6	4.91	-10.49	-3.86e-03	-0.01	-7.95e-03	-9.54
395	166	-5.99	7.62e-03	5.71e-05	-16.14	0.0	-6.31	8.70	-9.24e-03	0.02	4.48e-03	-7.67
		-7.67	4.48e-03	-1.27e-06	0.0	52.6	-6.31	-7.44	-9.24e-03	0.02	7.62e-03	-6.57
395	177	-8.10	0.01	8.20e-05	-16.14	0.0	3.13	5.69	-0.04	-0.02	0.01	-8.56
		-10.02	-0.01	2.30e-04	0.0	52.6	3.13	-10.46	-0.04	-0.02	-0.01	-10.02
395	178	-5.27	0.01	3.26e-05	-16.14	0.0	-4.54	8.66	0.03	0.03	-7.48e-03	-6.61
		-6.61	-7.48e-03	-2.31e-04	0.0	52.6	-4.54	-7.48	0.03	0.03	0.01	-6.09
395	184	-7.78	0.02	8.16e-05	-16.14	0.0	0.20	6.51	-0.06	0.04	0.02	-8.57
		-9.15	-7.70e-03	2.98e-04	0.0	52.6	0.20	-9.63	-0.06	0.04	-7.70e-03	-9.15
395	187	-5.71	7.37e-03	3.31e-05	-16.14	0.0	-1.60	7.84	0.04	-0.02	-0.01	-6.60
		-6.96	-0.01	-2.99e-04	0.0	52.6	-1.60	-8.30	0.04	-0.02	7.37e-03	-6.96
395	197	-7.21	1.99e-03	5.77e-05	-16.14	0.0	4.83	5.67	-3.66e-03	-0.01	1.99e-03	-7.50
		-9.52	-7.89e-03	-2.44e-06	0.0	52.6	4.83	-10.47	-3.66e-03	-0.01	-7.89e-03	-9.52
395	198	-6.00	7.57e-03	5.69e-05	-16.14	0.0	-6.23	8.68	-9.44e-03	0.02	4.57e-03	-7.67
		-7.67	4.57e-03	1.09e-06	0.0	52.6	-6.23	-7.46	-9.44e-03	0.02	7.57e-03	-6.59
395	209	-8.32	0.02	8.62e-05	-16.14	0.0	3.79	5.43	-0.05	-0.03	0.02	-8.72
		-10.36	-0.01	2.72e-04	0.0	52.6	3.79	-10.71	-0.05	-0.03	-0.01	-10.36
395	210	-5.01	0.01	2.84e-05	-16.14	0.0	-5.19	8.92	0.04	0.04	-9.36e-03	-6.44
		-6.44	-9.36e-03	-2.74e-04	0.0	52.6	-5.19	-7.22	0.04	0.04	0.01	-5.75
395	216	-7.98	0.02	8.63e-05	-16.14	0.0	0.46	6.35	-0.07	0.04	0.02	-8.76
		-9.38	-9.25e-03	3.63e-04	0.0	52.6	0.46	-9.79	-0.07	0.04	-9.25e-03	-9.38
395	219	-5.51	8.92e-03	2.83e-05	-16.14	0.0	-1.86	8.00	0.05	-0.03	-0.02	-6.41
		-6.73	-0.02	-3.65e-04	0.0	52.6	-1.86	-8.14	0.05	-0.03	8.92e-03	-6.73
395	233	-7.18	3.01e-03	5.61e-05	-16.14	0.0	5.73	5.46	-4.37e-03	2.32e-03	3.01e-03	-7.41
		-9.67	-8.53e-03	5.78e-06	0.0	52.6	5.73	-10.68	-4.37e-03	2.32e-03	-8.53e-03	-9.67
395	234	-5.94	8.20e-03	5.85e-05	-16.14	0.0	-7.13	8.89	-8.73e-03	8.86e-03	3.55e-03	-7.76
		-7.76	3.55e-03	-7.13e-06	0.0	52.6	-7.13	-7.25	-8.73e-03	8.86e-03	8.20e-03	-6.43
396	11	-12.71	2.41e-03	-1.43e-05	-25.10	0.0	0.41	9.42	5.09e-03	8.44e-03	-2.65e-04	-13.64

396	19	-15.29	-2.65e-04	-1.29e-06	0.0	52.6	0.41	-15.68	5.09e-03	8.44e-03	2.41e-03	-15.29
		-4.57	1.49e-03	6.41e-06	-7.98	0.0	0.31	3.13	2.47e-03	4.97e-03	1.88e-04	-4.89
		-5.34	1.88e-04	0.0	0.0	52.6	0.31	-4.85	2.47e-03	4.97e-03	1.49e-03	-5.34
396	22	-9.57	1.83e-03	-1.31e-05	-20.83	0.0	0.64	8.26	3.76e-03	6.13e-03	-1.45e-04	-10.43
		-11.57	-1.45e-04	-1.07e-06	0.0	52.6	0.64	-12.57	3.76e-03	6.13e-03	1.83e-03	-11.57
396	28	-13.82	2.34e-03	-2.11e-05	-30.61	0.0	-0.91	11.48	5.51e-03	8.30e-03	-5.56e-04	-14.95
		-16.96	-5.56e-04	-1.31e-06	0.0	52.6	-0.91	-19.13	5.51e-03	8.30e-03	2.34e-03	-16.96
396	41	-7.07	1.90e-03	-6.24e-06	-12.25	0.0	-1.98	3.89	3.88e-03	6.85e-03	-1.46e-04	-7.39
		-8.57	-1.46e-04	-1.28e-06	0.0	52.6	-1.98	-8.36	3.88e-03	6.85e-03	1.90e-03	-8.57
396	71	-8.91	1.78e-03	-9.68e-06	-17.36	0.0	0.22	6.48	3.69e-03	6.26e-03	-1.60e-04	-9.55
		-10.71	-1.60e-04	0.0	0.0	52.6	0.22	-10.89	3.69e-03	6.26e-03	1.78e-03	-10.71
396	72	-4.97	1.49e-03	6.27e-06	-8.80	0.0	0.11	3.31	2.62e-03	5.12e-03	1.15e-04	-5.30
		-5.87	1.15e-04	0.0	0.0	52.6	0.11	-5.49	2.62e-03	5.12e-03	1.49e-03	-5.87
396	75	-8.31	1.72e-03	-1.05e-05	-17.36	0.0	0.33	6.74	3.48e-03	5.89e-03	-1.06e-04	-9.00
		-10.02	-1.06e-04	0.0	0.0	52.6	0.33	-10.63	3.48e-03	5.89e-03	1.72e-03	-10.02
396	80	-9.65	1.73e-03	-1.42e-05	-21.04	0.0	-0.65	7.85	3.97e-03	6.17e-03	-3.54e-04	-10.42
		-11.82	-3.54e-04	0.0	0.0	52.6	-0.65	-13.19	3.97e-03	6.17e-03	1.73e-03	-11.82
396	85	-5.15	1.44e-03	4.52e-06	-8.80	0.0	-1.37	2.79	2.89e-03	5.20e-03	-8.11e-05	-5.38
		-6.22	-8.11e-05	0.0	0.0	52.6	-1.37	-6.01	2.89e-03	5.20e-03	1.44e-03	-6.22
396	98	-7.84	1.60e-03	-1.17e-05	-17.36	0.0	-0.14	6.63	3.40e-03	5.66e-03	-1.94e-04	-8.51
		-9.59	-1.94e-04	0.0	0.0	52.6	-0.14	-10.74	3.40e-03	5.66e-03	1.60e-03	-9.59
396	101	-7.67	1.61e-03	-1.02e-05	-16.14	0.0	-0.14	6.05	3.38e-03	5.72e-03	-1.70e-04	-8.27
		-9.33	-1.70e-04	0.0	0.0	52.6	-0.14	-10.09	3.38e-03	5.72e-03	1.61e-03	-9.33
396	102	-5.05	1.45e-03	5.55e-06	-8.80	0.0	-0.22	3.10	2.70e-03	5.19e-03	3.46e-05	-5.33
		-6.02	3.46e-05	0.0	0.0	52.6	-0.22	-5.70	2.70e-03	5.19e-03	1.45e-03	-6.02
396	103	-7.43	1.58e-03	-1.06e-05	-16.14	0.0	-0.08	6.17	3.29e-03	5.57e-03	-1.44e-04	-8.05
		-9.05	-1.44e-04	0.0	0.0	52.6	-0.08	-9.97	3.29e-03	5.57e-03	1.58e-03	-9.05
396	104	-5.08	1.44e-03	5.20e-06	-8.80	0.0	-0.51	3.00	2.76e-03	5.21e-03	-4.70e-06	-5.35
		-6.09	-4.70e-06	0.0	0.0	52.6	-0.51	-5.80	2.76e-03	5.21e-03	1.44e-03	-6.09
396	106	-5.07	1.45e-03	5.37e-06	-8.80	0.0	-0.30	3.05	2.72e-03	5.21e-03	1.44e-05	-5.34
		-6.05	1.44e-05	0.0	0.0	52.6	-0.30	-5.75	2.72e-03	5.21e-03	1.45e-03	-6.05
396	107	-7.45	1.57e-03	-1.06e-05	-16.14	0.0	-0.16	6.11	3.31e-03	5.59e-03	-1.65e-04	-8.05
		-9.08	-1.65e-04	0.0	0.0	52.6	-0.16	-10.03	3.31e-03	5.59e-03	1.57e-03	-9.08
396	113	-9.33	-0.01	2.15e-05	-16.14	0.0	1.66	5.24	-0.01	-0.02	-0.01	-9.81
		-11.20	-0.02	2.02e-04	0.0	52.6	1.66	-10.90	-0.01	-0.02	-0.02	-11.20
396	114	-5.55	0.02	-1.99e-05	-16.14	0.0	-1.99	6.99	0.02	0.03	0.01	-6.29
		-6.97	0.01	-2.03e-04	0.0	52.6	-1.99	-9.16	0.02	0.03	0.02	-6.97
396	145	-9.57	-0.01	2.32e-05	-16.14	0.0	1.89	5.14	-0.02	-0.02	-0.01	-10.04
		-11.46	-0.02	2.27e-04	0.0	52.6	1.89	-11.00	-0.02	-0.02	-0.02	-11.46
396	146	-5.30	0.02	-2.11e-05	-16.14	0.0	-2.22	7.09	0.02	0.03	0.01	-6.07
		-6.70	0.01	-2.29e-04	0.0	52.6	-2.22	-9.05	0.02	0.03	0.02	-6.70
396	177	-9.56	-0.01	2.13e-05	-16.14	0.0	1.88	5.17	-0.02	-0.02	-0.01	-10.02
		-11.45	-0.02	2.31e-04	0.0	52.6	1.88	-10.97	-0.02	-0.02	-0.02	-11.45
396	178	-5.32	0.02	-2.00e-05	-16.14	0.0	-2.20	7.06	0.02	0.03	0.01	-6.09
		-6.71	0.01	-2.32e-04	0.0	52.6	-2.20	-9.08	0.02	0.03	0.02	-6.71
396	209	-9.92	-0.01	2.33e-05	-16.14	0.0	2.22	5.01	-0.02	-0.03	-0.01	-10.36
		-11.86	-0.02	2.73e-04	0.0	52.6	2.22	-11.13	-0.02	-0.03	-0.02	-11.86
396	210	-4.95	0.03	-2.15e-05	-16.14	0.0	-2.55	7.21	0.03	0.04	0.01	-5.75
		-6.31	0.01	-2.74e-04	0.0	52.6	-2.55	-8.93	0.03	0.04	0.03	-6.31
397	4	-15.98	2.39e-03	-8.23e-05	-30.61	0.0	1.98	8.79	-6.19e-03	8.23e-03	2.39e-03	-16.64
		-20.07	-8.68e-04	0.0	0.0	52.6	1.98	-21.83	-6.19e-03	8.23e-03	-8.68e-04	-20.07
397	11	-14.84	2.41e-03	-7.57e-05	-25.10	0.0	1.87	6.56	-5.99e-03	8.44e-03	2.41e-03	-15.29
		-18.44	-7.39e-04	-1.02e-06	0.0	52.6	1.87	-18.55	-5.99e-03	8.44e-03	-7.39e-04	-18.44
397	18	-13.74	2.32e-03	-6.93e-05	-25.10	0.0	2.45	7.09	-5.79e-03	7.89e-03	2.32e-03	-14.26
		-17.13	-7.26e-04	-1.04e-06	0.0	52.6	2.45	-18.01	-5.79e-03	7.89e-03	-7.26e-04	-17.13
397	19	-5.20	1.49e-03	-2.48e-05	-7.98	0.0	1.66	2.11	-3.22e-03	4.97e-03	1.49e-03	-5.34
		-6.33	-2.04e-04	0.0	0.0	52.6	1.66	-5.87	-3.22e-03	4.97e-03	-2.04e-04	-6.33
397	28	-16.37	2.34e-03	-8.64e-05	-30.61	0.0	-0.84	8.34	-5.97e-03	8.30e-03	2.34e-03	-16.96
		-20.62	-7.97e-04	-1.04e-06	0.0	52.6	-0.84	-22.27	-5.97e-03	8.30e-03	-7.97e-04	-20.62
397	45	-5.81	1.41e-03	-3.22e-05	-7.98	0.0	-3.04	1.37	-2.84e-03	5.09e-03	1.41e-03	-5.87
		-7.25	-8.61e-05	0.0	0.0	52.6	-3.04	-6.61	-2.84e-03	5.09e-03	-8.61e-05	-7.25
397	68	-11.17	1.77e-03	-5.74e-05	-21.04	0.0	1.28	5.97	-4.47e-03	6.12e-03	1.77e-03	-11.61
		-14.00	-5.84e-04	0.0	0.0	52.6	1.28	-15.07	-4.47e-03	6.12e-03	-5.84e-04	-14.00
397	71	-10.40	1.78e-03	-5.31e-05	-17.36	0.0	1.21	4.48	-4.33e-03	6.26e-03	1.78e-03	-10.71
		-12.92	-4.98e-04	0.0	0.0	52.6	1.21	-12.89	-4.33e-03	6.26e-03	-4.98e-04	-12.92
397	72	-5.72	1.49e-03	-2.82e-05	-8.80	0.0	1.10	2.22	-3.24e-03	5.12e-03	1.49e-03	-5.87
		-7.02	-2.14e-04	0.0	0.0	52.6	1.10	-6.58	-3.24e-03	5.12e-03	-2.14e-04	-7.02
397	75	-9.67	1.72e-03	-4.88e-05	-17.36	0.0	1.59	4.83	-4.20e-03	5.89e-03	1.72e-03	-10.02
		-12.04	-4.89e-04	0.0	0.0	52.6	1.59	-12.53	-4.20e-03	5.89e-03	-4.89e-04	-12.04
397	80	-11.42	1.73e-03	-6.02e-05	-21.04	0.0	-0.60	5.67	-4.32e-03	6.17e-03	1.73e-03	-11.82
		-14.37	-5.37e-04	0.0	0.0	52.6	-0.60	-15.37	-4.32e-03	6.17e-03	-5.37e-04	-14.37
397	85	-6.14	1.44e-03	-3.32e-05	-8.80	0.0	-2.03	1.72	-2.99e-03	5.20e-03	1.44e-03	-6.22
		-7.63	-1.35e-04	0.0	0.0	52.6	-2.03	-7.08	-2.99e-03	5.20e-03	-1.35e-04	-7.63
397	98	-9.24	1.60e-03	-4.81e-05	-17.36	0.0	0.30	4.84	-3.86e-03	5.66e-03	1.60e-03	-9.59
		-11.61	-4.32e-04	0.0	0.0	52.6	0.30	-12.53	-3.86e-03	5.66e-03	-4.32e-04	-11.61

397	101	-9.02	1.61e-03	-4.69e-05	-16.14	0.0	0.28	4.32	-3.82e-03	5.72e-03	1.61e-03	-9.33
		-11.30	-4.05e-04	0.0	0.0	52.6	0.28	-11.82	-3.82e-03	5.72e-03	-4.05e-04	-11.30
397	102	-5.90	1.45e-03	-3.02e-05	-8.80	0.0	0.15	2.01	-3.12e-03	5.19e-03	1.45e-03	-6.02
		-7.27	-1.86e-04	0.0	0.0	52.6	0.15	-6.78	-3.12e-03	5.19e-03	-1.86e-04	-7.27
397	103	-8.72	1.58e-03	-4.51e-05	-16.14	0.0	0.48	4.48	-3.78e-03	5.57e-03	1.58e-03	-9.05
		-10.94	-4.03e-04	0.0	0.0	52.6	0.48	-11.66	-3.78e-03	5.57e-03	-4.03e-04	-10.94
397	104	-5.98	1.44e-03	-3.12e-05	-8.80	0.0	-0.48	1.92	-3.07e-03	5.21e-03	1.44e-03	-6.09
		-7.39	-1.70e-04	0.0	0.0	52.6	-0.48	-6.88	-3.07e-03	5.21e-03	-1.70e-04	-7.39
397	106	-5.94	1.45e-03	-3.07e-05	-8.80	0.0	-0.09	1.96	-3.09e-03	5.21e-03	1.45e-03	-6.05
		-7.33	-1.79e-04	0.0	0.0	52.6	-0.09	-6.83	-3.09e-03	5.21e-03	-1.79e-04	-7.33
397	107	-8.77	1.57e-03	-4.56e-05	-16.14	0.0	0.24	4.43	-3.75e-03	5.59e-03	1.57e-03	-9.08
		-11.00	-3.96e-04	0.0	0.0	52.6	0.24	-11.71	-3.75e-03	5.59e-03	-3.96e-04	-11.00
397	108	-10.14	-0.01	-5.74e-05	-16.14	0.0	3.03	4.25	-8.22e-03	-0.02	-0.01	-10.44
		-12.42	-0.02	2.02e-04	0.0	52.6	3.03	-11.89	-8.22e-03	-0.02	-0.02	-12.42
397	114	-6.46	0.02	-3.13e-05	-16.14	0.0	-0.45	5.70	-4.99e-04	0.03	0.02	-6.97
		-8.26	0.01	-2.03e-04	0.0	52.6	-0.45	-10.44	-4.99e-04	0.03	0.01	-8.26
397	124	-8.05	2.62e-03	-4.00e-05	-16.14	0.0	4.84	6.04	-6.56e-03	-0.01	2.62e-03	-8.63
		-9.74	-0.01	0.0	0.0	52.6	4.84	-10.10	-6.56e-03	-0.01	-0.01	-9.74
397	127	-9.40	0.01	-5.19e-05	-16.14	0.0	-4.35	2.81	-9.35e-04	0.02	5.26e-04	-9.53
		-12.26	5.26e-04	-1.29e-06	0.0	52.6	-4.35	-13.33	-9.35e-04	0.02	0.01	-12.26
397	133	-11.05	9.12e-04	-6.21e-05	-16.14	0.0	-2.14	2.36	-2.49e-03	-0.01	-0.01	-11.15
		-14.12	-0.01	-1.44e-06	0.0	52.6	-2.14	-13.78	-2.49e-03	-0.01	9.12e-04	-14.12
397	134	-6.34	0.01	-3.30e-05	-16.14	0.0	2.63	6.50	-5.00e-03	0.02	0.01	-7.02
		-7.87	-1.70e-03	0.0	0.0	52.6	2.63	-9.65	-5.00e-03	0.02	-1.70e-03	-7.87
397	145	-11.31	-0.02	-6.63e-05	-16.14	0.0	1.03	2.99	-7.38e-03	-0.02	-0.02	-11.46
		-14.08	-0.02	2.28e-04	0.0	52.6	1.03	-13.15	-7.38e-03	-0.02	-0.02	-14.08
397	146	-6.16	0.02	-3.00e-05	-16.14	0.0	-0.54	5.86	-1.17e-04	0.03	0.02	-6.70
		-7.91	0.02	-2.29e-04	0.0	52.6	-0.54	-10.28	-1.17e-04	0.03	0.02	-7.91
397	156	-7.96	2.75e-03	-3.94e-05	-16.14	0.0	5.42	6.24	-6.90e-03	-0.01	2.75e-03	-8.58
		-9.58	-0.01	0.0	0.0	52.6	5.42	-9.90	-6.90e-03	-0.01	-0.01	-9.58
397	159	-9.47	0.01	-5.27e-05	-16.14	0.0	-4.93	2.61	-5.94e-04	0.02	3.94e-04	-9.59
		-12.42	3.94e-04	0.0	0.0	52.6	-4.93	-13.53	-5.94e-04	0.02	0.01	-12.42
397	165	-11.33	1.08e-03	-6.40e-05	-16.14	0.0	-2.43	2.10	-2.33e-03	-0.01	-0.01	-11.40
		-14.51	-0.01	-2.00e-06	0.0	52.6	-2.43	-14.04	-2.33e-03	-0.01	1.08e-03	-14.51
397	166	-6.03	0.02	-3.18e-05	-16.14	0.0	2.92	6.75	-5.16e-03	0.02	0.02	-6.76
		-7.48	-1.87e-03	0.0	0.0	52.6	2.92	-9.39	-5.16e-03	0.02	-1.87e-03	-7.48
397	177	-11.30	-0.02	-6.40e-05	-16.14	0.0	0.96	3.01	-7.07e-03	-0.02	-0.02	-11.45
		-14.07	-0.02	2.31e-04	0.0	52.6	0.96	-13.13	-7.07e-03	-0.02	-0.02	-14.07
397	178	-6.17	0.02	-3.16e-05	-16.14	0.0	-0.47	5.84	-4.26e-04	0.03	0.02	-6.71
		-7.93	0.02	-2.32e-04	0.0	52.6	-0.47	-10.30	-4.26e-04	0.03	0.02	-7.93
397	188	-7.96	2.75e-03	-3.92e-05	-16.14	0.0	5.32	6.22	-6.74e-03	-0.01	2.75e-03	-8.58
		-9.59	-0.01	-2.40e-06	0.0	52.6	5.32	-9.93	-6.74e-03	-0.01	-0.01	-9.59
397	191	-9.47	0.01	-5.30e-05	-16.14	0.0	-4.83	2.64	-7.56e-04	0.02	3.99e-04	-9.59
		-12.40	3.99e-04	1.33e-06	0.0	52.6	-4.83	-13.50	-7.56e-04	0.02	0.01	-12.40
397	197	-11.29	1.06e-03	-6.29e-05	-16.14	0.0	-2.38	2.15	-2.29e-03	-0.01	-0.01	-11.37
		-14.46	-0.01	-4.35e-06	0.0	52.6	-2.38	-13.99	-2.29e-03	-0.01	1.06e-03	-14.46
397	198	-6.07	0.02	-3.26e-05	-16.14	0.0	2.87	6.71	-5.20e-03	0.02	0.02	-6.79
		-7.54	-1.86e-03	3.27e-06	0.0	52.6	2.87	-9.43	-5.20e-03	0.02	-1.86e-03	-7.54
397	209	-11.73	-0.02	-6.67e-05	-16.14	0.0	1.06	2.78	-7.59e-03	-0.03	-0.02	-11.86
		-14.60	-0.02	2.73e-04	0.0	52.6	1.06	-13.37	-7.59e-03	-0.03	-0.02	-14.60
397	210	-5.72	0.03	-3.02e-05	-16.14	0.0	-0.57	6.08	9.29e-05	0.04	0.03	-6.31
		-7.40	0.02	-2.74e-04	0.0	52.6	-0.57	-10.06	9.29e-05	0.04	0.02	-7.40
397	220	-7.82	2.95e-03	-3.81e-05	-16.14	0.0	6.14	6.51	-7.23e-03	-0.02	2.95e-03	-8.49
		-9.36	-0.01	-4.49e-06	0.0	52.6	6.14	-9.63	-7.23e-03	-0.02	-0.01	-9.36
397	223	-9.58	0.01	-5.43e-05	-16.14	0.0	-5.65	2.34	-2.62e-04	0.03	1.95e-04	-9.68
		-12.64	1.95e-04	3.41e-06	0.0	52.6	-5.65	-13.80	-2.62e-04	0.03	0.01	-12.64
397	229	-11.69	1.31e-03	-6.56e-05	-16.14	0.0	-2.81	1.78	-2.05e-03	-0.02	-0.01	-11.75
		-15.02	-0.01	-6.84e-06	0.0	52.6	-2.81	-14.36	-2.05e-03	-0.02	1.31e-03	-15.02
397	230	-5.61	0.02	-3.11e-05	-16.14	0.0	3.30	7.07	-5.44e-03	0.03	0.02	-6.42
		-6.97	-2.10e-03	5.77e-06	0.0	52.6	3.30	-9.07	-5.44e-03	0.03	-2.10e-03	-6.97
398	4	-18.64	5.79e-03	-2.79e-04	-30.61	0.0	1.08	12.90	0.01	8.23e-03	-8.68e-04	-20.07
		-21.33	-8.68e-04	-1.08e-06	0.0	52.6	1.08	-17.71	0.01	8.23e-03	5.79e-03	-21.33
398	19	-5.97	1.70e-03	-8.65e-05	-7.98	0.0	1.24	3.30	3.62e-03	4.97e-03	-2.04e-04	-6.33
		-6.70	-2.04e-04	0.0	0.0	52.6	1.24	-4.69	3.62e-03	4.97e-03	1.70e-03	-6.70
398	22	-12.90	4.07e-03	-1.91e-04	-20.83	0.0	1.63	8.76	8.91e-03	6.13e-03	-6.17e-04	-13.87
		-14.74	-6.17e-04	0.0	0.0	52.6	1.63	-12.07	8.91e-03	6.13e-03	4.07e-03	-14.74
398	28	-19.20	5.67e-03	-2.92e-04	-30.61	0.0	-1.37	12.87	0.01	8.30e-03	-7.97e-04	-20.62
		-21.90	-7.97e-04	-1.16e-06	0.0	52.6	-1.37	-17.74	0.01	8.30e-03	5.67e-03	-21.90
398	41	-9.98	2.38e-03	-1.55e-04	-12.25	0.0	-2.89	5.01	4.89e-03	6.85e-03	-1.95e-04	-10.52
		-11.10	-1.95e-04	-1.10e-06	0.0	52.6	-2.89	-7.24	4.89e-03	6.85e-03	2.38e-03	-11.10
398	68	-13.02	3.99e-03	-1.95e-04	-21.04	0.0	0.66	8.85	8.70e-03	6.12e-03	-5.84e-04	-14.00
		-14.88	-5.84e-04	0.0	0.0	52.6	0.66	-12.18	8.70e-03	6.12e-03	3.99e-03	-14.88
398	72	-6.63	1.85e-03	-9.76e-05	-8.80	0.0	0.74	3.63	3.92e-03	5.12e-03	-2.14e-04	-7.02
		-7.42	-2.14e-04	0.0	0.0	52.6	0.74	-5.17	3.92e-03	5.12e-03	1.85e-03	-7.42
398	75	-11.25	3.43e-03	-1.67e-04	-17.36	0.0	0.99	7.27	7.45e-03	5.89e-03	-4.89e-04	-12.04

		-12.79	-4.89e-04	0.0	0.0	52.6	0.99	-10.09	7.45e-03	5.89e-03	3.43e-03	-12.79
398	80	-13.40	3.91e-03	-2.04e-04	-21.04	0.0	-0.97	8.83	8.45e-03	6.17e-03	-5.37e-04	-14.37
		-15.26	-5.37e-04	0.0	0.0	52.6	-0.97	-12.20	8.45e-03	6.17e-03	3.91e-03	-15.26
398	85	-7.25	1.71e-03	-1.12e-04	-8.80	0.0	-1.98	3.60	3.52e-03	5.20e-03	-1.35e-04	-7.63
		-8.05	-1.35e-04	0.0	0.0	52.6	-1.98	-5.20	3.52e-03	5.20e-03	1.71e-03	-8.05
398	98	-10.80	3.15e-03	-1.63e-04	-17.36	0.0	-0.10	7.32	6.82e-03	5.66e-03	-4.32e-04	-11.61
		-12.33	-4.32e-04	0.0	0.0	52.6	-0.10	-10.05	6.82e-03	5.66e-03	3.15e-03	-12.33
398	102	-6.88	1.82e-03	-1.04e-04	-8.80	0.0	-0.10	3.61	3.81e-03	5.19e-03	-1.86e-04	-7.27
		-7.68	-1.86e-04	0.0	0.0	52.6	-0.10	-5.18	3.81e-03	5.19e-03	1.82e-03	-7.68
398	103	-10.19	2.97e-03	-1.53e-04	-16.14	0.0	0.08	6.79	6.41e-03	5.57e-03	-4.03e-04	-10.94
		-11.61	-4.03e-04	0.0	0.0	52.6	0.08	-9.35	6.41e-03	5.57e-03	2.97e-03	-11.61
398	104	-7.00	1.79e-03	-1.07e-04	-8.80	0.0	-0.64	3.61	3.73e-03	5.21e-03	-1.70e-04	-7.39
		-7.81	-1.70e-04	0.0	0.0	52.6	-0.64	-5.19	3.73e-03	5.21e-03	1.79e-03	-7.81
398	106	-6.94	1.81e-03	-1.05e-04	-8.80	0.0	-0.31	3.61	3.79e-03	5.21e-03	-1.79e-04	-7.33
		-7.75	-1.79e-04	0.0	0.0	52.6	-0.31	-5.19	3.79e-03	5.21e-03	1.81e-03	-7.75
398	107	-10.25	2.96e-03	-1.55e-04	-16.14	0.0	-0.13	6.79	6.39e-03	5.59e-03	-3.96e-04	-11.00
		-11.67	-3.96e-04	0.0	0.0	52.6	-0.13	-9.35	6.39e-03	5.59e-03	2.96e-03	-11.67
398	109	-12.94	-0.01	-1.85e-04	-16.14	0.0	-0.50	6.01	-0.13	-0.01	-0.01	-13.54
		-14.60	-0.09	2.43e-04	0.0	52.6	-0.50	-10.13	-0.13	-0.01	-0.09	-14.60
398	110	-7.54	0.09	-1.25e-04	-16.14	0.0	0.24	7.57	0.15	0.03	0.01	-8.46
		-8.74	0.01	-2.44e-04	0.0	52.6	0.24	-8.57	0.15	0.03	0.09	-8.74
398	124	-8.78	9.92e-03	-1.28e-04	-16.14	0.0	5.55	7.66	0.02	-0.01	-0.01	-9.74
		-9.96	-0.01	0.0	0.0	52.6	5.55	-8.48	0.02	-0.01	9.92e-03	-9.96
398	127	-11.69	0.01	-1.82e-04	-16.14	0.0	-5.81	5.92	-4.00e-03	0.02	0.01	-12.26
		-13.39	-4.00e-03	0.0	0.0	52.6	-5.81	-10.22	-4.00e-03	0.02	-4.00e-03	-13.39
398	133	-13.62	9.07e-03	-2.00e-04	-16.14	0.0	-3.97	5.58	0.02	-0.01	9.12e-04	-14.12
		-15.42	9.12e-04	-2.30e-06	0.0	52.6	-3.97	-10.56	0.02	-0.01	9.07e-03	-15.42
398	134	-6.84	-1.70e-03	-1.10e-04	-16.14	0.0	3.71	7.99	-2.74e-03	0.02	-1.70e-03	-7.87
		-7.92	-3.15e-03	1.10e-06	0.0	52.6	3.71	-8.15	-2.74e-03	0.02	-3.15e-03	-7.92
398	141	-13.28	-0.02	-1.89e-04	-16.14	0.0	-0.55	5.91	-0.15	-0.02	-0.02	-13.86
		-14.97	-0.10	2.74e-04	0.0	52.6	-0.55	-10.23	-0.15	-0.02	-0.10	-14.97
398	142	-7.19	0.11	-1.21e-04	-16.14	0.0	0.29	7.67	0.16	0.03	0.02	-8.14
		-8.37	0.02	-2.75e-04	0.0	52.6	0.29	-8.47	0.16	0.03	0.11	-8.37
398	156	-8.60	0.01	-1.25e-04	-16.14	0.0	6.25	7.77	0.02	-0.01	-0.01	-9.58
		-9.74	-0.01	-1.07e-06	0.0	52.6	6.25	-8.37	0.02	-0.01	0.01	-9.74
398	159	-11.87	0.01	-1.85e-04	-16.14	0.0	-6.52	5.81	-5.30e-03	0.02	0.01	-12.42
		-13.60	-4.86e-03	0.0	0.0	52.6	-6.52	-10.33	-5.30e-03	0.02	-4.86e-03	-13.60
398	165	-14.03	9.85e-03	-2.06e-04	-16.14	0.0	-4.45	5.43	0.02	-0.01	1.08e-03	-14.51
		-15.89	1.08e-03	-2.96e-06	0.0	52.6	-4.45	-10.71	0.02	-0.01	9.85e-03	-15.89
398	166	-6.41	-1.87e-03	-1.04e-04	-16.14	0.0	4.19	8.14	-3.90e-03	0.02	-1.87e-03	-7.48
		-7.48	-3.92e-03	1.76e-06	0.0	52.6	4.19	-8.00	-3.90e-03	0.02	-3.92e-03	-7.45
398	173	-13.28	-0.02	-1.90e-04	-16.14	0.0	-0.63	5.92	-0.15	-0.02	-0.02	-13.85
		-14.97	-0.10	2.79e-04	0.0	52.6	-0.63	-10.22	-0.15	-0.02	-0.10	-14.97
398	174	-7.20	0.11	-1.20e-04	-16.14	0.0	0.37	7.66	0.16	0.03	0.02	-8.14
		-8.37	0.02	-2.80e-04	0.0	52.6	0.37	-8.48	0.16	0.03	0.11	-8.37
398	188	-8.62	0.01	-1.26e-04	-16.14	0.0	6.15	7.75	0.02	-0.01	-0.01	-9.59
		-9.77	-0.01	-3.32e-06	0.0	52.6	6.15	-8.39	0.02	-0.01	0.01	-9.77
398	191	-11.85	0.01	-1.84e-04	-16.14	0.0	-6.41	5.82	-5.18e-03	0.02	0.01	-12.40
		-13.58	-4.77e-03	2.13e-06	0.0	52.6	-6.41	-10.32	-5.18e-03	0.02	-4.77e-03	-13.58
398	197	-13.97	9.84e-03	-2.05e-04	-16.14	0.0	-4.38	5.46	0.02	-0.01	1.06e-03	-14.46
		-15.82	1.06e-03	-5.29e-06	0.0	52.6	-4.38	-10.68	0.02	-0.01	9.84e-03	-15.82
398	198	-6.47	-1.86e-03	-1.05e-04	-16.14	0.0	4.12	8.12	-3.92e-03	0.02	-1.86e-03	-7.54
		-7.54	-3.92e-03	4.09e-06	0.0	52.6	4.12	-8.02	-3.92e-03	0.02	-3.92e-03	-7.52
398	205	-13.81	-0.02	-1.96e-04	-16.14	0.0	-0.76	5.77	-0.18	-0.02	-0.02	-14.36
		-15.55	-0.12	3.31e-04	0.0	52.6	-0.76	-10.37	-0.18	-0.02	-0.12	-15.55
398	206	-6.66	0.12	-1.14e-04	-16.14	0.0	0.49	7.81	0.19	0.03	0.02	-7.64
		-7.79	0.02	-3.32e-04	0.0	52.6	0.49	-8.33	0.19	0.03	0.12	-7.79
398	220	-8.34	0.01	-1.21e-04	-16.14	0.0	7.16	7.91	0.02	-0.02	-0.01	-9.36
		-9.45	-0.01	-5.56e-06	0.0	52.6	7.16	-8.23	0.02	-0.02	0.01	-9.45
398	223	-12.12	0.01	-1.89e-04	-16.14	0.0	-7.42	5.67	-7.06e-03	0.03	0.01	-12.64
		-13.90	-6.02e-03	4.36e-06	0.0	52.6	-7.42	-10.48	-7.06e-03	0.03	-6.02e-03	-13.90
398	229	-14.57	0.01	-2.13e-04	-16.14	0.0	-5.08	5.25	0.02	-0.02	1.31e-03	-15.02
		-16.50	1.31e-03	-7.94e-06	0.0	52.6	-5.08	-10.90	0.02	-0.02	0.01	-16.50
398	230	-5.85	-2.10e-03	-9.68e-05	-16.14	0.0	4.82	8.33	-5.70e-03	0.03	-2.10e-03	-6.97
		-6.97	-5.10e-03	6.74e-06	0.0	52.6	4.82	-7.81	-5.70e-03	0.03	-5.10e-03	-6.84
399	20	-1.76	6.59e-03	-3.10e-04	-8.75	0.0	0.31	14.98	7.87e-03	5.46e-03	2.06e-03	-7.87
		-7.87	2.06e-03	0.0	0.0	57.6	0.31	6.22	7.87e-03	5.46e-03	6.59e-03	-1.76
399	28	-4.51	0.02	-8.72e-04	-33.56	0.0	-1.70	46.94	0.02	8.29e-03	5.67e-03	-21.90
		-21.90	5.67e-03	0.0	0.0	57.6	-1.70	13.38	0.02	8.29e-03	0.02	-4.51
399	43	-3.46	0.01	-7.22e-04	-27.53	0.0	-2.35	38.93	0.02	7.51e-03	4.39e-03	-17.97
		-17.97	4.39e-03	0.0	0.0	57.6	-2.35	11.41	0.02	7.51e-03	0.01	-3.46
399	45	-0.91	6.98e-03	-3.24e-04	-8.75	0.0	-2.16	16.05	9.51e-03	5.09e-03	1.50e-03	-7.64
		-7.64	1.50e-03	0.0	0.0	57.6	-2.16	7.30	9.51e-03	5.09e-03	6.98e-03	-0.91
399	73	-1.73	6.83e-03	-3.26e-04	-9.65	0.0	0.02	16.06	8.23e-03	5.44e-03	2.09e-03	-8.21
		-8.21	2.09e-03	0.0	0.0	57.6	0.02	6.41	8.23e-03	5.44e-03	6.83e-03	-1.73

399	80	-3.11	0.01	-6.08e-04	-23.07	0.0	-1.20	32.60	0.01	6.16e-03	3.91e-03	-15.26
		-15.26	3.91e-03	0.0	0.0	57.6	-1.20	9.53	0.01	6.16e-03	0.01	-3.11
399	85	-1.17	7.09e-03	-3.35e-04	-9.65	0.0	-1.63	16.77	9.33e-03	5.19e-03	1.71e-03	-8.05
		-8.05	1.71e-03	0.0	0.0	57.6	-1.63	7.13	9.33e-03	5.19e-03	7.09e-03	-1.17
399	87	-2.41	9.48e-03	-5.09e-04	-19.04	0.0	-1.63	27.26	0.01	5.63e-03	3.06e-03	-12.63
		-12.63	3.06e-03	0.0	0.0	57.6	-1.63	8.22	0.01	5.63e-03	9.48e-03	-2.41
399	98	-2.66	9.06e-03	-4.87e-04	-19.04	0.0	-0.55	26.29	0.01	5.65e-03	3.15e-03	-12.33
		-12.33	3.15e-03	0.0	0.0	57.6	-0.55	7.25	0.01	5.65e-03	9.06e-03	-2.66
399	102	-1.47	6.59e-03	-3.09e-04	-9.65	0.0	-0.43	15.61	8.27e-03	5.19e-03	1.82e-03	-7.68
		-7.68	1.82e-03	0.0	0.0	57.6	-0.43	5.96	8.27e-03	5.19e-03	6.59e-03	-1.47
399	104	-1.37	6.75e-03	-3.18e-04	-9.65	0.0	-0.76	16.00	8.60e-03	5.21e-03	1.79e-03	-7.81
		-7.81	1.79e-03	0.0	0.0	57.6	-0.76	6.35	8.60e-03	5.21e-03	6.75e-03	-1.37
399	105	-2.43	8.80e-03	-4.67e-04	-17.70	0.0	-0.76	24.99	0.01	5.58e-03	2.94e-03	-11.73
		-11.73	2.94e-03	0.0	0.0	57.6	-0.76	7.29	0.01	5.58e-03	8.80e-03	-2.43
399	106	-1.42	6.67e-03	-3.14e-04	-9.65	0.0	-0.54	15.80	8.42e-03	5.21e-03	1.81e-03	-7.75
		-7.75	1.81e-03	0.0	0.0	57.6	-0.54	6.16	8.42e-03	5.21e-03	6.67e-03	-1.42
399	107	-2.48	8.71e-03	-4.62e-04	-17.70	0.0	-0.55	24.79	9.98e-03	5.59e-03	2.96e-03	-11.67
		-11.67	2.96e-03	0.0	0.0	57.6	-0.55	7.10	9.98e-03	5.59e-03	8.71e-03	-2.48
399	109	-1.57	-0.09	-6.07e-04	-17.70	0.0	-0.98	31.42	-0.20	-0.01	-0.09	-14.60
		-14.60	-0.20	2.58e-04	0.0	57.6	-0.98	13.72	-0.20	-0.01	-0.20	-1.57
399	110	-3.39	0.22	-3.18e-04	-17.70	0.0	-0.12	18.17	0.22	0.03	0.09	-8.74
		-8.74	0.09	-2.59e-04	0.0	57.6	-0.12	0.47	0.22	0.03	0.22	-3.39
399	124	-3.82	0.03	-3.50e-04	-17.70	0.0	3.76	19.53	0.03	-0.01	9.92e-03	-9.96
		-9.96	9.92e-03	0.0	0.0	57.6	3.76	1.83	0.03	-0.01	0.03	-3.82
399	127	-1.14	-4.00e-03	-5.74e-04	-17.70	0.0	-4.85	30.06	-6.38e-03	0.02	-4.00e-03	-13.39
		-13.39	-7.69e-03	0.0	0.0	57.6	-4.85	12.36	-6.38e-03	0.02	-7.69e-03	-1.14
399	133	-0.86	0.02	-6.63e-04	-17.70	0.0	-3.72	34.08	0.03	-0.01	9.07e-03	-15.42
		-15.42	9.07e-03	-2.45e-06	0.0	57.6	-3.72	16.38	0.03	-0.01	0.02	-0.86
399	141	-1.45	-0.10	-6.25e-04	-17.70	0.0	-1.03	32.26	-0.22	-0.02	-0.10	-14.97
		-14.97	-0.23	2.91e-04	0.0	57.6	-1.03	14.56	-0.22	-0.02	-0.23	-1.45
399	142	-3.51	0.25	-3.00e-04	-17.70	0.0	-0.06	17.33	0.24	0.03	0.11	-8.37
		-8.37	0.11	-2.92e-04	0.0	57.6	-0.06	-0.37	0.24	0.03	0.25	-3.51
399	156	-3.98	0.03	-3.36e-04	-17.70	0.0	4.29	18.87	0.03	-0.01	0.01	-9.74
		-9.74	0.01	-1.09e-06	0.0	57.6	4.29	1.17	0.03	-0.01	0.03	-3.98
399	159	-0.98	-4.86e-03	-5.88e-04	-17.70	0.0	-5.38	30.72	-8.42e-03	0.02	-4.86e-03	-13.60
		-13.60	-9.74e-03	0.0	0.0	57.6	-5.38	13.02	-8.42e-03	0.02	-9.74e-03	-0.98
399	165	-0.66	0.03	-6.88e-04	-17.70	0.0	-4.11	35.23	0.03	-0.01	9.85e-03	-15.89
		-15.89	9.85e-03	-3.20e-06	0.0	57.6	-4.11	17.53	0.03	-0.01	0.03	-0.66
399	173	-1.46	-0.10	-6.25e-04	-17.70	0.0	-1.08	32.24	-0.22	-0.02	-0.10	-14.97
		-14.97	-0.23	2.96e-04	0.0	57.6	-1.08	14.54	-0.22	-0.02	-0.23	-1.46
399	174	-3.50	0.24	-3.00e-04	-17.70	0.0	-0.01	17.35	0.24	0.03	0.11	-8.37
		-8.37	0.11	-2.97e-04	0.0	57.6	-0.01	-0.35	0.24	0.03	0.24	-3.50
399	188	-3.95	0.03	-3.38e-04	-17.70	0.0	4.22	18.97	0.03	-0.01	0.01	-9.77
		-9.77	0.01	-3.52e-06	0.0	57.6	4.22	1.27	0.03	-0.01	0.03	-3.95
399	191	-1.01	-4.77e-03	-5.86e-04	-17.70	0.0	-5.31	30.62	-8.21e-03	0.02	-4.77e-03	-13.58
		-13.58	-9.52e-03	2.93e-06	0.0	57.6	-5.31	12.92	-8.21e-03	0.02	-9.52e-03	-1.01
399	193	-0.69	-0.06	-6.52e-04	-17.70	0.0	-4.83	33.63	-0.12	0.02	-0.06	-15.00
		-15.00	-0.13	1.73e-04	0.0	57.6	-4.83	15.93	-0.12	0.02	-0.13	-0.69
399	197	-0.70	0.03	-6.84e-04	-17.70	0.0	-4.06	35.05	0.03	-0.01	9.84e-03	-15.82
		-15.82	9.84e-03	-5.73e-06	0.0	57.6	-4.06	17.35	0.03	-0.01	0.03	-0.70
399	205	-1.29	-0.12	-6.53e-04	-17.70	0.0	-1.19	33.54	-0.26	-0.02	-0.12	-15.55
		-15.55	-0.27	3.51e-04	0.0	57.6	-1.19	15.84	-0.26	-0.02	-0.27	-1.29
399	206	-3.63	0.29	-2.71e-04	-17.70	0.0	0.10	16.05	0.28	0.03	0.12	-7.79
		-7.79	0.12	-3.52e-04	0.0	57.6	0.10	-1.65	0.28	0.03	0.29	-3.63
399	220	-4.19	0.03	-3.18e-04	-17.70	0.0	4.99	18.01	0.03	-0.02	0.01	-9.45
		-9.45	0.01	-6.03e-06	0.0	57.6	4.99	0.31	0.03	-0.02	0.03	-4.19
399	223	-0.77	-6.02e-03	-6.07e-04	-17.70	0.0	-6.08	31.58	-0.01	0.03	-6.02e-03	-13.90
		-13.90	-0.01	5.43e-06	0.0	57.6	-6.08	13.88	-0.01	0.03	-0.01	-0.77
399	225	-0.39	-0.07	-6.86e-04	-17.70	0.0	-5.54	35.17	-0.15	0.03	-0.07	-15.59
		-15.59	-0.15	2.09e-04	0.0	57.6	-5.54	17.47	-0.15	0.03	-0.15	-0.39
399	229	-0.41	0.03	-7.20e-04	-17.70	0.0	-4.63	36.72	0.03	-0.02	0.01	-16.50
		-16.50	0.01	-8.69e-06	0.0	57.6	-4.63	19.02	0.03	-0.02	0.03	-0.41
400	4	10.67	0.01	-7.40e-04	-27.66	0.0	-4.10	46.74	-0.01	-1.49e-03	0.01	-4.96
		-4.96	8.86e-03	0.0	0.0	47.5	-4.10	19.08	-0.01	-1.49e-03	8.86e-03	10.67
400	19	3.85	5.66e-03	-2.44e-04	-7.21	0.0	-0.40	15.18	-6.15e-03	-9.84e-04	5.66e-03	-1.65
		-1.65	3.71e-03	0.0	0.0	47.5	-0.40	7.97	-6.15e-03	-9.84e-04	3.71e-03	3.85
400	28	10.71	0.01	-7.44e-04	-27.66	0.0	-6.51	45.89	-0.02	-1.39e-03	0.01	-4.51
		-4.51	9.25e-03	0.0	0.0	47.5	-6.51	18.23	-0.02	-1.39e-03	9.25e-03	10.71
400	44	9.45	0.01	-6.45e-04	-22.68	0.0	-6.89	38.74	-0.01	-1.32e-03	0.01	-3.57
		-3.57	8.52e-03	0.0	0.0	47.5	-6.89	16.06	-0.01	-1.32e-03	8.52e-03	9.45
400	68	7.49	0.01	-5.16e-04	-19.01	0.0	-2.93	32.44	-0.01	-1.10e-03	0.01	-3.41
		-3.41	6.34e-03	0.0	0.0	47.5	-2.93	13.44	-0.01	-1.10e-03	6.34e-03	7.49
400	72	4.14	6.15e-03	-2.65e-04	-7.95	0.0	-1.05	16.18	-6.61e-03	-9.54e-04	6.15e-03	-1.66
		-1.66	4.00e-03	0.0	0.0	47.5	-1.05	8.23	-6.61e-03	-9.54e-04	4.00e-03	4.14
400	80	7.51	0.01	-5.18e-04	-19.01	0.0	-4.54	31.87	-0.01	-1.03e-03	0.01	-3.11

		-3.11	6.60e-03	0.0	0.0	47.5	-4.54	12.87	-0.01	-1.03e-03	6.60e-03	7.51
400	88	6.67	9.73e-03	-4.53e-04	-15.69	0.0	-4.80	27.11	-0.01	-9.86e-04	9.73e-03	-2.48
		-2.48	6.12e-03	0.0	0.0	47.5	-4.80	11.42	-0.01	-9.86e-04	6.12e-03	6.67
400	98	6.14	8.79e-03	-4.23e-04	-15.69	0.0	-3.02	26.37	-9.10e-03	-9.56e-04	8.79e-03	-2.66
		-2.66	5.55e-03	0.0	0.0	47.5	-3.02	10.68	-9.10e-03	-9.56e-04	5.55e-03	6.14
400	102	4.16	6.45e-03	-2.67e-04	-7.95	0.0	-1.90	15.82	-6.87e-03	-8.78e-04	6.45e-03	-1.47
		-1.47	4.17e-03	0.0	0.0	47.5	-1.90	7.87	-6.87e-03	-8.78e-04	4.17e-03	4.16
400	105	5.86	8.55e-03	-4.01e-04	-14.58	0.0	-3.21	24.75	-8.86e-03	-9.40e-04	8.55e-03	-2.43
		-2.43	5.41e-03	0.0	0.0	47.5	-3.21	10.17	-8.86e-03	-9.40e-04	5.41e-03	5.86
400	106	4.17	6.52e-03	-2.68e-04	-7.95	0.0	-2.11	15.73	-6.93e-03	-8.59e-04	6.52e-03	-1.42
		-1.42	4.21e-03	0.0	0.0	47.5	-2.11	7.78	-6.93e-03	-8.59e-04	4.21e-03	4.17
400	107	5.86	8.47e-03	-4.01e-04	-14.58	0.0	-2.89	24.85	-8.79e-03	-9.42e-04	8.47e-03	-2.48
		-2.48	5.36e-03	0.0	0.0	47.5	-2.89	10.27	-8.79e-03	-9.42e-04	5.36e-03	5.86
400	108	8.20	-0.08	-4.63e-04	-14.58	0.0	-0.32	29.55	0.12	-0.04	-0.13	-2.45
		-2.45	-0.13	1.65e-04	0.0	47.5	-0.32	14.97	0.12	-0.04	-0.08	8.20
400	109	7.41	-0.10	-4.71e-04	-14.58	0.0	-3.44	26.77	0.15	-0.03	-0.17	-1.57
		-1.57	-0.17	1.97e-04	0.0	47.5	-3.44	12.19	0.15	-0.03	-0.10	7.41
400	110	4.31	0.19	-3.30e-04	-14.58	0.0	-2.34	22.93	-0.17	0.03	0.19	-3.39
		-3.39	0.11	-1.96e-04	0.0	47.5	-2.34	8.35	-0.17	0.03	0.11	4.31
400	129	5.01	-0.05	-4.30e-04	-14.58	0.0	-8.40	20.97	0.08	8.65e-03	-0.09	-0.87
		-0.87	-0.09	1.12e-04	0.0	47.5	-8.40	6.39	0.08	8.65e-03	-0.05	5.01
400	130	6.72	0.11	-3.71e-04	-14.58	0.0	2.62	28.73	-0.10	-0.01	0.11	-4.10
		-4.10	0.06	-1.11e-04	0.0	47.5	2.62	14.15	-0.10	-0.01	0.06	6.72
400	134	6.39	-2.03e-03	-3.39e-04	-14.58	0.0	1.32	26.52	2.00e-03	0.03	-4.04e-03	-4.10
		-4.10	-4.04e-03	1.81e-06	0.0	47.5	1.32	11.93	2.00e-03	0.03	-2.03e-03	6.39
400	140	8.49	-0.09	-4.71e-04	-14.58	0.0	3.64e-03	30.14	0.14	-0.05	-0.15	-2.45
		-2.45	-0.15	1.85e-04	0.0	47.5	3.64e-03	15.55	0.14	-0.05	-0.09	8.49
400	141	7.60	-0.11	-4.80e-04	-14.58	0.0	-3.51	27.01	0.17	-0.03	-0.19	-1.45
		-1.45	-0.19	2.22e-04	0.0	47.5	-3.51	12.43	0.17	-0.03	-0.11	7.60
400	142	4.12	0.21	-3.22e-04	-14.58	0.0	-2.27	22.69	-0.19	0.03	0.21	-3.51
		-3.51	0.12	-2.21e-04	0.0	47.5	-2.27	8.11	-0.19	0.03	0.12	4.12
400	161	4.91	-0.06	-4.34e-04	-14.58	0.0	-9.09	20.49	0.09	9.88e-03	-0.11	-0.66
		-0.66	-0.11	1.27e-04	0.0	47.5	-9.09	5.91	0.09	9.88e-03	-0.06	4.91
400	162	6.81	0.12	-3.68e-04	-14.58	0.0	3.31	29.22	-0.11	-0.01	0.12	-4.30
		-4.30	0.07	-1.26e-04	0.0	47.5	3.31	14.63	-0.11	-0.01	0.07	6.81
400	166	6.45	-2.96e-03	-3.31e-04	-14.58	0.0	1.85	26.72	3.38e-03	0.03	-5.63e-03	-4.30
		-4.30	-5.63e-03	2.37e-06	0.0	47.5	1.85	12.14	3.38e-03	0.03	-2.96e-03	6.45
400	172	8.42	-0.09	-4.71e-04	-14.58	0.0	-0.08	29.99	0.14	-0.04	-0.15	-2.44
		-2.44	-0.15	1.87e-04	0.0	47.5	-0.08	15.41	0.14	-0.04	-0.09	8.42
400	173	7.59	-0.11	-4.79e-04	-14.58	0.0	-3.55	26.93	0.17	-0.03	-0.19	-1.46
		-1.46	-0.19	2.26e-04	0.0	47.5	-3.55	12.35	0.17	-0.03	-0.11	7.59
400	174	4.13	0.21	-3.22e-04	-14.58	0.0	-2.23	22.77	-0.19	0.03	0.21	-3.50
		-3.50	0.12	-2.25e-04	0.0	47.5	-2.23	8.19	-0.19	0.03	0.12	4.13
400	193	5.00	-0.06	-4.33e-04	-14.58	0.0	-9.00	20.56	0.10	9.97e-03	-0.11	-0.69
		-0.69	-0.11	1.33e-04	0.0	47.5	-9.00	5.98	0.10	9.97e-03	-0.06	5.00
400	194	6.72	0.12	-3.68e-04	-14.58	0.0	3.23	29.14	-0.11	-0.01	0.12	-4.27
		-4.27	0.07	-1.32e-04	0.0	47.5	3.23	14.56	-0.11	-0.01	0.07	6.72
400	204	8.84	-0.10	-4.83e-04	-14.58	0.0	0.36	30.82	0.16	-0.05	-0.18	-2.43
		-2.43	-0.18	2.21e-04	0.0	47.5	0.36	16.23	0.16	-0.05	-0.10	8.84
400	205	7.88	-0.13	-4.93e-04	-14.58	0.0	-3.68	27.26	0.20	-0.04	-0.23	-1.29
		-1.29	-0.23	2.68e-04	0.0	47.5	-3.68	12.68	0.20	-0.04	-0.13	7.88
400	206	3.84	0.25	-3.09e-04	-14.58	0.0	-2.09	22.44	-0.22	0.04	0.25	-3.67
		-3.67	0.14	-2.67e-04	0.0	47.5	-2.09	7.86	-0.22	0.04	0.14	3.84
400	225	4.87	-0.07	-4.40e-04	-14.58	0.0	-10.01	19.88	0.11	0.01	-0.13	-0.39
		-0.39	-0.13	1.61e-04	0.0	47.5	-10.01	5.29	0.11	0.01	-0.07	4.87
400	226	6.85	0.15	-3.61e-04	-14.58	0.0	4.23	29.83	-0.13	-0.01	0.15	-4.57
		-4.57	0.08	-1.60e-04	0.0	47.5	4.23	15.24	-0.13	-0.01	0.08	6.85
401	19	8.38	4.17e-03	-2.05e-04	-8.55	0.0	0.43	12.33	-6.23e-03	-0.01	4.17e-03	3.85
		3.85	6.67e-04	0.0	0.0	56.3	0.43	3.78	-6.23e-03	-0.01	6.67e-04	8.38
401	28	26.93	0.01	-7.04e-04	-32.78	0.0	-2.37	45.20	-0.01	-0.02	0.01	10.71
		10.71	1.85e-03	1.72e-06	0.0	56.3	-2.37	12.41	-0.01	-0.02	1.85e-03	26.93
401	44	23.60	9.41e-03	-6.15e-04	-26.88	0.0	-3.05	38.58	-0.01	-0.02	9.41e-03	9.45
		9.45	1.69e-03	1.29e-06	0.0	56.3	-3.05	11.69	-0.01	-0.02	1.69e-03	23.60
401	72	9.27	4.49e-03	-2.29e-04	-9.42	0.0	0.04	13.83	-6.67e-03	-0.01	4.49e-03	4.14
		4.14	7.32e-04	0.0	0.0	56.3	0.04	4.41	-6.67e-03	-0.01	7.32e-04	9.27
401	80	18.77	7.29e-03	-4.90e-04	-22.53	0.0	-1.66	31.26	-0.01	-0.01	7.29e-03	7.51
		7.51	1.31e-03	1.19e-06	0.0	56.3	-1.66	8.74	-0.01	-0.01	1.31e-03	18.77
401	88	16.55	6.77e-03	-4.30e-04	-18.60	0.0	-2.11	26.85	-9.88e-03	-0.01	6.77e-03	6.67
		6.67	1.20e-03	0.0	0.0	56.3	-2.11	8.25	-9.88e-03	-0.01	1.20e-03	16.55
401	98	15.16	6.15e-03	-3.93e-04	-18.60	0.0	-0.83	25.31	-9.01e-03	-0.01	6.15e-03	6.14
		6.14	1.08e-03	1.06e-06	0.0	56.3	-0.83	6.72	-9.01e-03	-0.01	1.08e-03	15.16
401	102	9.57	4.66e-03	-2.40e-04	-9.42	0.0	-0.56	14.32	-6.91e-03	-0.01	4.66e-03	4.16
		4.16	7.72e-04	0.0	0.0	56.3	-0.56	4.90	-6.91e-03	-0.01	7.72e-04	9.57
401	105	14.44	5.99e-03	-3.74e-04	-17.29	0.0	-1.07	23.88	-8.78e-03	-0.01	5.99e-03	5.86
		5.86	1.05e-03	0.0	0.0	56.3	-1.07	6.60	-8.78e-03	-0.01	1.05e-03	14.44

401	106	9.65	4.71e-03	-2.42e-04	-9.42	0.0	-0.71	14.44	-6.97e-03	-0.01	4.71e-03	4.17
		4.17	7.82e-04	0.0	0.0	56.3	-0.71	5.02	-6.97e-03	-0.01	7.82e-04	9.65
401	107	14.37	5.94e-03	-3.72e-04	-17.29	0.0	-0.82	23.76	-8.72e-03	-0.01	5.94e-03	5.86
		5.86	1.04e-03	0.0	0.0	56.3	-0.82	6.48	-8.72e-03	-0.01	1.04e-03	14.37
401	109	18.45	-0.03	-4.63e-04	-17.29	0.0	-1.30	28.12	0.16	-0.05	-0.11	7.41
		7.41	-0.11	2.24e-04	0.0	56.3	-1.30	10.83	0.16	-0.05	-0.03	18.45
401	110	10.29	0.12	-2.80e-04	-17.29	0.0	-0.33	19.41	-0.17	0.03	0.12	4.31
		4.31	0.03	-2.22e-04	0.0	56.3	-0.33	2.12	-0.17	0.03	0.03	10.29
401	111	12.06	0.10	-3.52e-04	-17.29	0.0	-3.06	23.02	-0.14	0.04	0.10	3.53
		3.53	0.02	-1.86e-04	0.0	56.3	-3.06	5.73	-0.14	0.04	0.02	12.06
401	124	12.39	0.02	-2.70e-04	-17.29	0.0	4.00	18.51	-0.02	-0.05	0.02	7.76
		7.76	3.08e-03	1.18e-06	0.0	56.3	4.00	1.23	-0.02	-0.05	3.08e-03	12.39
401	127	16.35	-1.01e-03	-4.74e-04	-17.29	0.0	-5.64	29.01	3.87e-03	0.02	-3.18e-03	3.96
		3.96	-3.18e-03	0.0	0.0	56.3	-5.64	11.73	3.87e-03	0.02	-1.01e-03	16.35
401	133	19.34	0.01	-5.17e-04	-17.29	0.0	-4.45	30.70	-0.02	-0.05	0.01	5.33
		5.33	2.91e-03	0.0	0.0	56.3	-4.45	13.42	-0.02	-0.05	2.91e-03	19.34
401	141	18.97	-0.03	-4.75e-04	-17.29	0.0	-1.36	28.67	0.18	-0.06	-0.13	7.60
		7.60	-0.13	2.53e-04	0.0	56.3	-1.36	11.38	0.18	-0.06	-0.03	18.97
401	142	9.78	0.14	-2.69e-04	-17.29	0.0	-0.27	18.86	-0.19	0.03	0.14	4.12
		4.12	0.03	-2.51e-04	0.0	56.3	-0.27	1.57	-0.19	0.03	0.03	9.78
401	143	11.76	0.11	-3.49e-04	-17.29	0.0	-3.35	22.92	-0.16	0.05	0.11	3.24
		3.24	0.02	-2.09e-04	0.0	56.3	-3.35	5.63	-0.16	0.05	0.02	11.76
401	156	12.17	0.02	-2.57e-04	-17.29	0.0	4.60	17.86	-0.02	-0.05	0.02	7.98
		7.98	3.34e-03	0.0	0.0	56.3	4.60	0.57	-0.02	-0.05	3.34e-03	12.17
401	159	16.60	-1.26e-03	-4.87e-04	-17.29	0.0	-6.24	29.67	5.45e-03	0.03	-4.33e-03	3.74
		3.74	-4.33e-03	1.22e-06	0.0	56.3	-6.24	12.38	5.45e-03	0.03	-1.26e-03	16.60
401	165	19.95	0.02	-5.35e-04	-17.29	0.0	-4.90	31.57	-0.02	-0.05	0.02	5.27
		5.27	3.14e-03	-1.38e-06	0.0	56.3	-4.90	14.28	-0.02	-0.05	3.14e-03	19.95
401	173	18.95	-0.03	-4.76e-04	-17.29	0.0	-1.40	28.66	0.18	-0.05	-0.13	7.59
		7.59	-0.13	2.57e-04	0.0	56.3	-1.40	11.37	0.18	-0.05	-0.03	18.95
401	174	9.79	0.14	-2.68e-04	-17.29	0.0	-0.23	18.87	-0.19	0.03	0.14	4.13
		4.13	0.03	-2.55e-04	0.0	56.3	-0.23	1.58	-0.19	0.03	0.03	9.79
401	175	11.76	0.11	-3.48e-04	-17.29	0.0	-3.27	22.89	-0.16	0.05	0.11	3.31
		3.31	0.02	-2.12e-04	0.0	56.3	-3.27	5.60	-0.16	0.05	0.02	11.76
401	188	12.20	0.02	-2.58e-04	-17.29	0.0	4.52	17.93	-0.02	-0.05	0.02	7.88
		7.88	3.32e-03	-1.58e-06	0.0	56.3	4.52	0.64	-0.02	-0.05	3.32e-03	12.20
401	191	16.57	-1.24e-03	-4.86e-04	-17.29	0.0	-6.16	29.60	5.30e-03	0.03	-4.23e-03	3.84
		3.84	-4.23e-03	3.56e-06	0.0	56.3	-6.16	12.31	5.30e-03	0.03	-1.24e-03	16.57
401	197	19.86	0.02	-5.33e-04	-17.29	0.0	-4.84	31.44	-0.02	-0.05	0.02	5.36
		5.36	3.15e-03	-3.78e-06	0.0	56.3	-4.84	14.16	-0.02	-0.05	3.15e-03	19.86
401	205	19.75	-0.03	-4.94e-04	-17.29	0.0	-1.53	29.51	0.21	-0.06	-0.15	7.88
		7.88	-0.15	3.05e-04	0.0	56.3	-1.53	12.22	0.21	-0.06	-0.03	19.75
401	206	8.99	0.16	-2.50e-04	-17.29	0.0	-0.11	18.02	-0.23	0.04	0.16	3.84
		3.84	0.04	-3.03e-04	0.0	56.3	-0.11	0.73	-0.23	0.04	0.04	8.99
401	207	11.29	0.13	-3.43e-04	-17.29	0.0	-3.64	22.71	-0.18	0.05	0.13	2.88
		2.88	0.03	-2.50e-04	0.0	56.3	-3.64	5.42	-0.18	0.05	0.03	11.29
401	224	11.77	0.02	-2.39e-04	-17.29	0.0	5.40	16.99	-0.03	-0.05	0.02	8.07
		8.07	4.71e-03	8.40e-06	0.0	56.3	5.40	-0.30	-0.03	-0.05	4.71e-03	11.77
401	227	17.05	-2.64e-03	-5.05e-04	-17.29	0.0	-7.03	30.54	0.01	0.03	-0.01	3.65
		3.65	-0.01	-6.42e-06	0.0	56.3	-7.03	13.25	0.01	0.03	-2.64e-03	17.05
401	229	20.75	0.02	-5.59e-04	-17.29	0.0	-5.49	32.69	-0.02	-0.05	0.02	5.28
		5.28	3.51e-03	-6.57e-06	0.0	56.3	-5.49	15.40	-0.02	-0.05	3.51e-03	20.75
402	19	8.87	8.90e-04	-4.02e-05	-8.55	0.0	0.44	3.85	3.96e-04	-0.01	6.67e-04	8.38
		8.15	6.67e-04	0.0	0.0	56.3	0.44	-4.69	3.96e-04	-0.01	8.90e-04	8.15
402	22	19.69	1.60e-03	-1.01e-04	-22.31	0.0	0.48	10.85	6.76e-04	-0.01	1.22e-03	18.21
		18.04	1.22e-03	1.09e-06	0.0	56.3	0.48	-11.45	6.76e-04	-0.01	1.60e-03	18.04
402	28	29.16	2.31e-03	-1.54e-04	-32.78	0.0	-1.64	16.14	8.18e-04	-0.02	1.85e-03	26.93
		26.79	1.85e-03	1.92e-06	0.0	56.3	-1.64	-16.64	8.18e-04	-0.02	2.31e-03	26.79
402	41	14.57	1.37e-03	-7.05e-05	-13.12	0.0	-2.37	6.10	4.09e-04	-0.01	1.14e-03	13.77
		13.51	1.14e-03	0.0	0.0	56.3	-2.37	-7.03	4.09e-04	-0.01	1.37e-03	13.51
402	72	9.82	9.54e-04	-4.56e-05	-9.42	0.0	0.12	4.30	3.94e-04	-0.01	7.32e-04	9.27
		9.04	7.32e-04	0.0	0.0	56.3	0.12	-5.12	3.94e-04	-0.01	9.54e-04	9.04
402	75	17.03	1.42e-03	-8.63e-05	-18.60	0.0	0.15	8.97	5.80e-04	-0.01	1.10e-03	15.82
		15.63	1.10e-03	0.0	0.0	56.3	0.15	-9.63	5.80e-04	-0.01	1.42e-03	15.63
402	80	20.30	1.64e-03	-1.06e-04	-22.53	0.0	-1.16	11.04	5.79e-04	-0.01	1.31e-03	18.77
		18.65	1.31e-03	1.33e-06	0.0	56.3	-1.16	-11.48	5.79e-04	-0.01	1.64e-03	18.65
402	85	10.57	1.01e-03	-5.07e-05	-9.42	0.0	-1.64	4.35	3.06e-04	-0.01	8.37e-04	10.00
		9.80	8.37e-04	0.0	0.0	56.3	-1.64	-5.07	3.06e-04	-0.01	1.01e-03	9.80
402	98	16.41	1.37e-03	-8.57e-05	-18.60	0.0	-0.49	9.08	5.10e-04	-0.01	1.08e-03	15.16
		15.04	1.08e-03	1.18e-06	0.0	56.3	-0.49	-9.52	5.10e-04	-0.01	1.37e-03	15.04
402	102	10.13	9.74e-04	-4.77e-05	-9.42	0.0	-0.37	4.32	3.59e-04	-0.01	7.72e-04	9.57
		9.35	7.72e-04	0.0	0.0	56.3	-0.37	-5.10	3.59e-04	-0.01	9.74e-04	9.35
402	103	15.44	1.31e-03	-7.98e-05	-17.29	0.0	-0.37	8.40	4.96e-04	-0.01	1.03e-03	14.30
		14.16	1.03e-03	1.06e-06	0.0	56.3	-0.37	-8.89	4.96e-04	-0.01	1.31e-03	14.16
402	104	10.28	9.85e-04	-4.87e-05	-9.42	0.0	-0.73	4.33	3.41e-04	-0.01	7.93e-04	9.72

		9.50	7.93e-04	0.0	0.0	56.3	-0.73	-5.09	3.41e-04	-0.01	9.85e-04	9.50
402	106	10.20	9.79e-04	-4.82e-05	-9.42	0.0	-0.50	4.32	3.50e-04	-0.01	7.82e-04	9.65
		9.43	7.82e-04	0.0	0.0	56.3	-0.50	-5.10	3.50e-04	-0.01	9.79e-04	9.43
402	107	15.52	1.31e-03	-8.03e-05	-17.29	0.0	-0.49	8.40	4.87e-04	-0.01	1.04e-03	14.37
		14.24	1.04e-03	1.10e-06	0.0	56.3	-0.49	-8.89	4.87e-04	-0.01	1.31e-03	14.24
402	109	19.11	-0.02	-7.63e-05	-17.29	0.0	-0.76	6.74	9.14e-03	-0.05	-0.03	18.45
		17.17	-0.03	2.24e-04	0.0	56.3	-0.76	-10.55	9.14e-03	-0.05	-0.02	17.17
402	110	12.06	0.03	-8.52e-05	-17.29	0.0	-0.22	10.06	-8.17e-03	0.03	0.03	10.29
		10.29	0.02	-2.21e-04	0.0	56.3	-0.22	-7.22	-8.17e-03	0.03	0.02	11.30
402	124	13.53	3.08e-03	-5.73e-05	-17.29	0.0	2.60	6.95	7.55e-03	-0.05	3.08e-03	12.39
		12.23	2.74e-03	0.0	0.0	56.3	2.60	-10.34	7.55e-03	-0.05	2.74e-03	12.23
402	127	17.51	-1.13e-04	-1.06e-04	-17.29	0.0	-3.58	9.85	-6.58e-03	0.02	-1.01e-03	16.35
		16.24	-1.01e-03	1.59e-06	0.0	56.3	-3.58	-7.43	-6.58e-03	0.02	-1.13e-04	16.24
402	133	20.03	2.91e-03	-8.94e-05	-17.29	0.0	-2.68	9.20	-8.73e-06	-0.05	2.91e-03	19.34
		18.15	2.91e-03	-1.24e-06	0.0	56.3	-2.68	-8.08	-8.73e-06	-0.05	2.91e-03	18.15
402	134	11.12	-2.86e-04	-7.12e-05	-17.29	0.0	1.71	7.60	9.83e-04	0.02	-8.30e-04	9.41
		9.41	-8.30e-04	3.45e-06	0.0	56.3	1.71	-9.69	9.83e-04	0.02	-2.86e-04	10.32
402	141	19.57	-0.02	-7.59e-05	-17.29	0.0	-0.80	6.53	0.01	-0.06	-0.03	18.97
		17.54	-0.03	2.52e-04	0.0	56.3	-0.80	-10.76	0.01	-0.06	-0.02	17.54
402	142	11.64	0.03	-8.59e-05	-17.29	0.0	-0.18	10.27	-9.27e-03	0.03	0.03	9.78
		9.78	0.02	-2.50e-04	0.0	56.3	-0.18	-7.01	-9.27e-03	0.03	0.02	10.93
402	156	13.28	3.34e-03	-5.47e-05	-17.29	0.0	2.99	6.77	8.44e-03	-0.05	3.34e-03	12.14
		11.98	2.92e-03	0.0	0.0	56.3	2.99	-10.52	8.44e-03	-0.05	2.92e-03	11.98
402	159	17.76	-2.93e-04	-1.09e-04	-17.29	0.0	-3.97	10.03	-7.47e-03	0.03	-1.26e-03	16.60
		16.49	-1.26e-03	2.09e-06	0.0	56.3	-3.97	-7.25	-7.47e-03	0.03	-2.93e-04	16.49
402	165	20.60	3.14e-03	-9.06e-05	-17.29	0.0	-2.96	9.30	-7.29e-05	-0.05	3.14e-03	19.95
		18.64	3.11e-03	-1.99e-06	0.0	56.3	-2.96	-7.99	-7.29e-05	-0.05	3.11e-03	18.64
402	166	10.58	-4.88e-04	-7.00e-05	-17.29	0.0	1.98	7.50	1.05e-03	0.03	-1.07e-03	8.79
		8.79	-1.07e-03	4.20e-06	0.0	56.3	1.98	-9.78	1.05e-03	0.03	-4.88e-04	9.83
402	173	19.56	-0.02	-7.61e-05	-17.29	0.0	-0.84	6.54	0.01	-0.05	-0.03	18.95
		17.53	-0.03	2.56e-04	0.0	56.3	-0.84	-10.75	0.01	-0.05	-0.02	17.53
402	174	11.65	0.03	-8.56e-05	-17.29	0.0	-0.14	10.26	-9.23e-03	0.03	0.03	9.79
		9.79	0.02	-2.54e-04	0.0	56.3	-0.14	-7.02	-9.23e-03	0.03	0.02	10.94
402	188	13.31	3.32e-03	-5.49e-05	-17.29	0.0	2.93	6.82	8.39e-03	-0.05	3.32e-03	12.18
		12.01	2.91e-03	-2.18e-06	0.0	56.3	2.93	-10.46	8.39e-03	-0.05	2.91e-03	12.01
402	191	17.73	-2.89e-04	-1.09e-04	-17.29	0.0	-3.91	9.98	-7.41e-03	0.03	-1.24e-03	16.57
		16.46	-1.24e-03	4.39e-06	0.0	56.3	-3.91	-7.31	-7.41e-03	0.03	-2.89e-04	16.46
402	197	20.52	3.15e-03	-9.05e-05	-17.29	0.0	-2.92	9.26	-7.88e-05	-0.05	3.15e-03	19.86
		18.57	3.11e-03	-4.35e-06	0.0	56.3	-2.92	-8.03	-7.88e-05	-0.05	3.11e-03	18.57
402	198	10.66	-4.86e-04	-7.01e-05	-17.29	0.0	1.94	7.54	1.05e-03	0.03	-1.07e-03	8.88
		8.88	-1.07e-03	6.56e-06	0.0	56.3	1.94	-9.74	1.05e-03	0.03	-4.86e-04	9.90
402	205	20.28	-0.02	-7.55e-05	-17.29	0.0	-0.91	6.22	0.01	-0.06	-0.03	19.75
		18.11	-0.03	3.03e-04	0.0	56.3	-0.91	-11.07	0.01	-0.06	-0.02	18.11
402	206	10.99	0.04	-8.67e-05	-17.29	0.0	-0.07	10.58	-0.01	0.04	0.04	8.99
		8.99	0.03	-3.01e-04	0.0	56.3	-0.07	-6.71	-0.01	0.04	0.03	10.36
402	220	12.94	3.70e-03	-5.12e-05	-17.29	0.0	3.49	6.55	9.73e-03	-0.06	3.70e-03	11.81
		11.64	3.19e-03	-4.65e-06	0.0	56.3	3.49	-10.74	9.73e-03	-0.06	3.19e-03	11.64
402	223	18.10	-5.62e-04	-1.13e-04	-17.29	0.0	-4.47	10.25	-8.76e-03	0.03	-1.62e-03	16.94
		16.84	-1.62e-03	6.86e-06	0.0	56.3	-4.47	-7.03	-8.76e-03	0.03	-5.62e-04	16.84
402	229	21.34	3.51e-03	-9.22e-05	-17.29	0.0	-3.32	9.39	-1.84e-04	-0.05	3.51e-03	20.75
		19.27	3.42e-03	-7.24e-06	0.0	56.3	-3.32	-7.90	-1.84e-04	-0.05	3.42e-03	19.27
402	230	9.88	-7.93e-04	-6.85e-05	-17.29	0.0	2.34	7.41	1.16e-03	0.03	-1.43e-03	7.99
		7.99	-1.43e-03	9.45e-06	0.0	56.3	2.34	-9.88	1.16e-03	0.03	-7.93e-04	9.20
403	19	8.15	2.22e-03	9.99e-05	-8.55	0.0	0.26	-0.67	2.37e-03	-0.01	8.90e-04	8.15
		5.36	8.90e-04	0.0	0.0	56.3	0.26	-9.22	2.37e-03	-0.01	2.22e-03	5.36
403	20	9.62	2.49e-03	1.17e-04	-8.55	0.0	0.26	-1.51	2.62e-03	-0.01	1.01e-03	9.62
		6.37	1.01e-03	0.0	0.0	56.3	0.26	-10.06	2.62e-03	-0.01	2.49e-03	6.37
403	28	26.84	4.27e-03	2.94e-04	-32.78	0.0	-1.94	2.44	3.48e-03	-0.02	2.31e-03	26.79
		18.94	2.31e-03	2.19e-06	0.0	56.3	-1.94	-30.34	3.48e-03	-0.02	4.27e-03	18.94
403	35	24.66	4.28e-03	2.72e-04	-26.88	0.0	-1.90	0.48	3.72e-03	-0.02	2.18e-03	24.66
		17.36	2.18e-03	1.94e-06	0.0	56.3	-1.90	-26.40	3.72e-03	-0.02	4.28e-03	17.36
403	43	21.98	3.75e-03	2.38e-04	-26.88	0.0	-2.57	2.21	3.20e-03	-0.02	1.95e-03	21.93
		15.60	1.95e-03	1.61e-06	0.0	56.3	-2.57	-24.67	3.20e-03	-0.02	3.75e-03	15.60
403	72	9.04	2.31e-03	1.08e-04	-9.42	0.0	-0.05	-0.56	2.41e-03	-0.01	9.54e-04	9.04
		6.07	9.54e-04	0.0	0.0	56.3	-0.05	-9.98	2.41e-03	-0.01	2.31e-03	6.07
403	73	10.02	2.49e-03	1.19e-04	-9.42	0.0	-0.05	-1.12	2.58e-03	-0.01	1.04e-03	10.02
		6.74	1.04e-03	0.0	0.0	56.3	-0.05	-10.54	2.58e-03	-0.01	2.49e-03	6.74
403	80	18.68	3.12e-03	2.06e-04	-22.53	0.0	-1.37	1.52	2.63e-03	-0.01	1.64e-03	18.65
		13.16	1.64e-03	1.52e-06	0.0	56.3	-1.37	-21.01	2.63e-03	-0.01	3.12e-03	13.16
403	83	17.23	3.12e-03	1.91e-04	-18.60	0.0	-1.34	0.21	2.79e-03	-0.01	1.55e-03	17.23
		12.11	1.55e-03	1.35e-06	0.0	56.3	-1.34	-18.39	2.79e-03	-0.01	3.12e-03	12.11
403	87	15.44	2.77e-03	1.68e-04	-18.60	0.0	-1.79	1.36	2.44e-03	-0.01	1.40e-03	15.41
		10.94	1.40e-03	1.13e-06	0.0	56.3	-1.79	-17.23	2.44e-03	-0.01	2.77e-03	10.94
403	98	15.06	2.76e-03	1.68e-04	-18.60	0.0	-0.68	1.28	2.47e-03	-0.01	1.37e-03	15.04
		10.52	1.37e-03	1.34e-06	0.0	56.3	-0.68	-17.32	2.47e-03	-0.01	2.76e-03	10.52

403	101	14.64	2.77e-03	1.64e-04	-17.29	0.0	-0.67	0.81	2.54e-03	-0.01	1.35e-03	14.63
		10.22	1.35e-03	1.28e-06	0.0	56.3	-0.67	-16.48	2.54e-03	-0.01	2.77e-03	10.22
403	102	9.35	2.35e-03	1.07e-04	-9.42	0.0	-0.51	-0.49	2.45e-03	-0.01	9.74e-04	9.35
		6.42	9.74e-04	0.0	0.0	56.3	-0.51	-9.91	2.45e-03	-0.01	2.35e-03	6.42
403	105	14.33	2.71e-03	1.60e-04	-17.29	0.0	-0.90	1.05	2.46e-03	-0.01	1.32e-03	14.31
		10.03	1.32e-03	1.22e-06	0.0	56.3	-0.90	-16.24	2.46e-03	-0.01	2.71e-03	10.03
403	106	9.43	2.36e-03	1.07e-04	-9.42	0.0	-0.63	-0.47	2.45e-03	-0.01	9.79e-04	9.43
		6.51	9.79e-04	0.0	0.0	56.3	-0.63	-9.89	2.45e-03	-0.01	2.36e-03	6.51
403	107	14.25	2.70e-03	1.60e-04	-17.29	0.0	-0.67	1.03	2.47e-03	-0.01	1.31e-03	14.24
		9.95	1.31e-03	1.26e-06	0.0	56.3	-0.67	-16.26	2.47e-03	-0.01	2.70e-03	9.95
403	108	15.58	-0.01	1.98e-04	-17.29	0.0	0.28	-0.86	-5.05e-03	-0.06	-0.01	15.58
		10.40	-0.02	1.86e-04	0.0	56.3	0.28	-18.15	-5.05e-03	-0.06	-0.02	10.40
403	111	13.00	0.03	1.21e-04	-17.29	0.0	-1.63	2.92	9.99e-03	0.04	0.02	12.89
		9.49	0.02	-1.83e-04	0.0	56.3	-1.63	-14.37	9.99e-03	0.04	0.03	9.49
403	124	12.23	2.74e-03	1.83e-04	-17.29	0.0	1.05	-0.50	-4.63e-03	-0.05	2.74e-03	12.23
		7.38	-0.01	0.0	0.0	56.3	1.05	-17.78	-4.63e-03	-0.05	-0.01	7.38
403	127	16.31	0.02	1.36e-04	-17.29	0.0	-2.40	2.55	9.57e-03	0.02	-1.13e-04	16.24
		12.52	-1.13e-04	2.41e-06	0.0	56.3	-2.40	-14.73	9.57e-03	0.02	0.02	12.52
403	133	18.15	3.71e-03	1.77e-04	-17.29	0.0	-1.69	1.30	3.06e-03	-0.05	2.91e-03	18.15
		13.49	2.91e-03	-1.71e-06	0.0	56.3	-1.69	-15.99	3.06e-03	-0.05	3.71e-03	13.49
403	134	10.36	1.69e-03	1.42e-04	-17.29	0.0	0.34	0.76	1.88e-03	0.02	-2.86e-04	10.32
		6.41	-2.86e-04	4.22e-06	0.0	56.3	0.34	-16.53	1.88e-03	0.02	1.69e-03	6.41
403	140	15.75	-0.02	2.03e-04	-17.29	0.0	0.40	-1.10	-6.00e-03	-0.07	-0.02	15.75
		10.46	-0.02	2.09e-04	0.0	56.3	0.40	-18.38	-6.00e-03	-0.07	-0.02	10.46
403	143	12.85	0.03	1.16e-04	-17.29	0.0	-1.75	3.16	0.01	0.05	0.02	12.72
		9.44	0.02	-2.07e-04	0.0	56.3	-1.75	-14.13	0.01	0.05	0.03	9.44
403	156	11.98	2.92e-03	1.86e-04	-17.29	0.0	1.27	-0.68	-5.52e-03	-0.05	2.92e-03	11.98
		7.06	-0.02	0.0	0.0	56.3	1.27	-17.97	-5.52e-03	-0.05	-0.02	7.06
403	159	16.57	0.02	1.33e-04	-17.29	0.0	-2.62	2.74	0.01	0.03	-2.93e-04	16.49
		12.84	-2.93e-04	3.00e-06	0.0	56.3	-2.62	-14.55	0.01	0.03	0.02	12.84
403	165	18.64	3.85e-03	1.79e-04	-17.29	0.0	-1.82	1.33	3.14e-03	-0.05	3.11e-03	18.64
		13.93	3.11e-03	-2.53e-06	0.0	56.3	-1.82	-15.96	3.14e-03	-0.05	3.85e-03	13.93
403	166	9.88	1.56e-03	1.40e-04	-17.29	0.0	0.47	0.73	1.79e-03	0.03	-4.88e-04	9.83
		5.97	-4.88e-04	5.04e-06	0.0	56.3	0.47	-16.56	1.79e-03	0.03	1.56e-03	5.97
403	172	15.76	-0.02	2.03e-04	-17.29	0.0	0.36	-1.05	-5.93e-03	-0.07	-0.02	15.76
		10.48	-0.02	2.11e-04	0.0	56.3	0.36	-18.33	-5.93e-03	-0.07	-0.02	10.48
403	175	12.83	0.03	1.16e-04	-17.29	0.0	-1.71	3.11	0.01	0.05	0.02	12.71
		9.42	0.02	-2.09e-04	0.0	56.3	-1.71	-14.18	0.01	0.05	0.03	9.42
403	188	12.01	2.91e-03	1.86e-04	-17.29	0.0	1.23	-0.62	-5.41e-03	-0.05	2.91e-03	12.01
		7.09	-0.01	-2.73e-06	0.0	56.3	1.23	-17.91	-5.41e-03	-0.05	-0.01	7.09
403	191	16.54	0.02	1.33e-04	-17.29	0.0	-2.58	2.68	0.01	0.03	-2.89e-04	16.46
		12.81	-2.89e-04	5.24e-06	0.0	56.3	-2.58	-14.61	0.01	0.03	0.02	12.81
403	197	18.57	3.89e-03	1.79e-04	-17.29	0.0	-1.80	1.28	3.16e-03	-0.05	3.11e-03	18.57
		13.87	3.11e-03	-4.84e-06	0.0	56.3	-1.80	-16.01	3.16e-03	-0.05	3.89e-03	13.87
403	198	9.95	1.51e-03	1.40e-04	-17.29	0.0	0.45	0.78	1.78e-03	0.03	-4.86e-04	9.90
		6.03	-4.86e-04	7.35e-06	0.0	56.3	0.45	-16.50	1.78e-03	0.03	1.51e-03	6.03
403	204	16.04	-0.02	2.10e-04	-17.29	0.0	0.52	-1.39	-7.35e-03	-0.08	-0.02	16.04
		10.59	-0.03	2.49e-04	0.0	56.3	0.52	-18.68	-7.35e-03	-0.08	-0.03	10.59
403	207	12.59	0.03	1.09e-04	-17.29	0.0	-1.87	3.45	0.01	0.05	0.02	12.43
		9.31	0.02	-2.46e-04	0.0	56.3	-1.87	-13.83	0.01	0.05	0.03	9.31
403	220	11.64	3.19e-03	1.90e-04	-17.29	0.0	1.54	-0.89	-6.70e-03	-0.06	3.19e-03	11.64
		6.62	-0.02	-5.30e-06	0.0	56.3	1.54	-18.18	-6.70e-03	-0.06	-0.02	6.62
403	223	16.92	0.02	1.29e-04	-17.29	0.0	-2.89	2.95	0.01	0.03	-5.62e-04	16.84
		13.28	-5.62e-04	7.81e-06	0.0	56.3	-2.89	-14.34	0.01	0.03	0.02	13.28
403	229	19.27	4.14e-03	1.82e-04	-17.29	0.0	-1.98	1.31	3.30e-03	-0.05	3.42e-03	19.27
		14.50	3.42e-03	-7.84e-06	0.0	56.3	-1.98	-15.97	3.30e-03	-0.05	4.14e-03	14.50
403	234	9.31	4.85e-04	1.40e-04	-17.29	0.0	0.68	0.63	1.41e-03	0.03	-1.45e-03	9.26
		5.40	-1.45e-03	-1.87e-06	0.0	56.3	0.68	-16.66	1.41e-03	0.03	4.85e-04	5.40
404	17	14.32	3.66e-03	5.71e-04	-26.88	0.0	-0.54	-15.21	-6.50e-04	-0.02	3.66e-03	14.32
		-1.81	3.30e-03	1.97e-06	0.0	56.3	-0.54	-42.09	-6.50e-04	-0.02	3.30e-03	-1.81
404	19	5.36	2.22e-03	2.32e-04	-8.55	0.0	0.35	-7.87	-1.07e-03	-0.01	2.22e-03	5.36
		-1.47	1.62e-03	0.0	0.0	56.3	0.35	-16.42	-1.07e-03	-0.01	1.62e-03	-1.47
404	28	18.94	4.33e-03	7.02e-04	-32.78	0.0	-3.66	-17.40	1.06e-04	-0.02	4.27e-03	18.94
		-0.09	4.27e-03	2.69e-06	0.0	56.3	-3.66	-50.18	1.06e-04	-0.02	4.33e-03	-0.09
404	44	16.61	4.03e-03	6.04e-04	-26.88	0.0	-4.41	-15.28	1.45e-05	-0.02	4.02e-03	16.61
		0.44	4.02e-03	2.19e-06	0.0	56.3	-4.41	-42.17	1.45e-05	-0.02	4.03e-03	0.44
404	72	6.07	2.31e-03	2.50e-04	-9.42	0.0	-0.18	-8.04	-9.26e-04	-0.01	2.31e-03	6.07
		-1.11	1.79e-03	0.0	0.0	56.3	-0.18	-17.46	-9.26e-04	-0.01	1.79e-03	-1.11
404	74	10.08	2.71e-03	4.01e-04	-18.60	0.0	-0.48	-10.82	-5.47e-04	-0.01	2.71e-03	10.08
		-1.24	2.40e-03	1.41e-06	0.0	56.3	-0.48	-29.42	-5.47e-04	-0.01	2.40e-03	-1.24
404	80	13.16	3.12e-03	4.89e-04	-22.53	0.0	-2.56	-12.29	-4.40e-05	-0.01	3.12e-03	13.16
		-0.09	3.09e-03	1.89e-06	0.0	56.3	-2.56	-34.81	-4.40e-05	-0.01	3.09e-03	-0.09
404	83	12.11	3.12e-03	4.48e-04	-18.60	0.0	-2.47	-12.28	-2.43e-04	-0.01	3.12e-03	12.11
		-0.03	2.98e-03	1.72e-06	0.0	56.3	-2.47	-30.88	-2.43e-04	-0.01	2.98e-03	-0.03
404	88	11.61	2.95e-03	4.23e-04	-18.60	0.0	-3.06	-10.87	-1.05e-04	-0.01	2.95e-03	11.61

		0.26	2.89e-03	1.55e-06	0.0	56.3	-3.06	-29.47	-1.05e-04	-0.01	2.89e-03	0.26
404	98	10.52	2.76e-03	4.00e-04	-18.60	0.0	-1.45	-10.24	-3.22e-04	-0.01	2.76e-03	10.52
		-0.48	2.58e-03	1.66e-06	0.0	56.3	-1.45	-28.83	-3.22e-04	-0.01	2.58e-03	-0.48
404	101	10.22	2.77e-03	3.88e-04	-17.29	0.0	-1.42	-10.32	-3.91e-04	-0.01	2.77e-03	10.22
		-0.46	2.55e-03	1.61e-06	0.0	56.3	-1.42	-27.60	-3.91e-04	-0.01	2.55e-03	-0.46
404	102	6.42	2.35e-03	2.49e-04	-9.42	0.0	-0.95	-7.57	-7.46e-04	-0.01	2.35e-03	6.42
		-0.49	1.93e-03	1.01e-06	0.0	56.3	-0.95	-17.00	-7.46e-04	-0.01	1.93e-03	-0.49
404	103	9.86	2.69e-03	3.79e-04	-17.29	0.0	-1.21	-9.96	-4.21e-04	-0.01	2.69e-03	9.86
		-0.61	2.46e-03	1.52e-06	0.0	56.3	-1.21	-27.24	-4.21e-04	-0.01	2.46e-03	-0.61
404	105	10.03	2.71e-03	3.78e-04	-17.29	0.0	-1.72	-9.73	-3.25e-04	-0.01	2.71e-03	10.03
		-0.31	2.52e-03	1.53e-06	0.0	56.3	-1.72	-27.02	-3.25e-04	-0.01	2.52e-03	-0.31
404	106	6.51	2.36e-03	2.48e-04	-9.42	0.0	-1.14	-7.46	-7.01e-04	-0.01	2.36e-03	6.51
		-0.34	1.97e-03	1.06e-06	0.0	56.3	-1.14	-16.88	-7.01e-04	-0.01	1.97e-03	-0.34
404	107	9.95	2.70e-03	3.78e-04	-17.29	0.0	-1.40	-9.84	-3.76e-04	-0.01	2.70e-03	9.95
		-0.46	2.49e-03	1.57e-06	0.0	56.3	-1.40	-27.13	-3.76e-04	-0.01	2.49e-03	-0.46
404	108	10.40	-0.02	4.26e-04	-17.29	0.0	-0.73	-13.58	-5.47e-03	-0.06	-0.02	10.40
		-0.88	-0.02	1.85e-04	0.0	56.3	-0.73	-30.86	-5.47e-03	-0.06	-0.02	-0.88
404	111	9.49	0.03	3.31e-04	-17.29	0.0	-2.07	-6.10	4.71e-03	0.04	0.03	9.49
		-0.03	0.03	-1.82e-04	0.0	56.3	-2.07	-23.39	4.71e-03	0.04	0.03	-0.03
404	124	7.38	-0.01	4.41e-04	-17.29	0.0	-0.49	-17.35	-2.12e-04	-0.05	-0.01	7.38
		-6.84	-0.02	0.0	0.0	56.3	-0.49	-34.63	-2.12e-04	-0.05	-0.02	-6.84
404	127	12.52	0.02	3.16e-04	-17.29	0.0	-2.31	-2.33	-5.39e-04	0.02	0.02	12.52
		5.93	0.02	3.23e-06	0.0	56.3	-2.31	-19.62	-5.39e-04	0.02	0.02	5.93
404	130	6.60	-1.28e-03	4.25e-04	-17.29	0.0	-0.73	-16.42	2.97e-03	-0.02	-1.28e-03	6.60
		-7.85	-1.57e-03	-1.26e-04	0.0	56.3	-0.73	-33.71	2.97e-03	-0.02	-1.57e-03	-7.85
404	133	13.49	4.06e-03	3.63e-04	-17.29	0.0	-1.64	-4.68	-5.00e-03	-0.05	3.71e-03	13.49
		6.29	3.71e-03	-2.00e-06	0.0	56.3	-1.64	-21.97	-5.00e-03	-0.05	4.06e-03	6.29
404	140	10.46	-0.02	4.32e-04	-17.29	0.0	-0.65	-14.04	-6.11e-03	-0.07	-0.02	10.46
		-0.93	-0.03	2.08e-04	0.0	56.3	-0.65	-31.33	-6.11e-03	-0.07	-0.03	-0.93
404	143	9.44	0.03	3.25e-04	-17.29	0.0	-2.16	-5.64	5.36e-03	0.05	0.03	9.44
		0.02	0.03	-2.05e-04	0.0	56.3	-2.16	-22.92	5.36e-03	0.05	0.03	0.02
404	156	7.06	-0.02	4.48e-04	-17.29	0.0	-0.38	-18.28	-1.89e-04	-0.05	-0.02	7.06
		-7.64	-0.02	0.0	0.0	56.3	-0.38	-35.57	-1.89e-04	-0.05	-0.02	-7.64
404	159	12.84	0.02	3.09e-04	-17.29	0.0	-2.42	-1.40	-5.63e-04	0.03	0.02	12.84
		6.72	0.02	3.87e-06	0.0	56.3	-2.42	-18.68	-5.63e-04	0.03	0.02	6.72
404	162	6.17	-1.75e-03	4.30e-04	-17.29	0.0	-0.65	-17.25	3.40e-03	-0.03	-1.75e-03	6.17
		-8.78	-2.06e-03	-1.43e-04	0.0	56.3	-0.65	-34.53	3.40e-03	-0.03	-2.06e-03	-8.78
404	165	13.93	4.27e-03	3.62e-04	-17.29	0.0	-1.67	-4.04	-5.58e-03	-0.05	3.85e-03	13.93
		7.13	3.85e-03	-2.89e-06	0.0	56.3	-1.67	-21.33	-5.58e-03	-0.05	4.27e-03	7.13
404	172	10.48	-0.02	4.32e-04	-17.29	0.0	-0.68	-13.86	-6.07e-03	-0.07	-0.02	10.48
		-0.95	-0.03	2.10e-04	0.0	56.3	-0.68	-31.15	-6.07e-03	-0.07	-0.03	-0.95
404	175	9.42	0.03	3.25e-04	-17.29	0.0	-2.12	-5.82	5.32e-03	0.05	0.03	9.42
		0.04	0.03	-2.07e-04	0.0	56.3	-2.12	-23.10	5.32e-03	0.05	0.03	0.04
404	188	7.09	-0.01	4.48e-04	-17.29	0.0	-0.41	-18.12	-1.78e-04	-0.05	-0.01	7.09
		-7.56	-0.02	-2.93e-06	0.0	56.3	-0.41	-35.41	-1.78e-04	-0.05	-0.02	-7.56
404	191	12.81	0.02	3.09e-04	-17.29	0.0	-2.40	-1.56	-5.74e-04	0.03	0.02	12.81
		6.65	0.02	6.08e-06	0.0	56.3	-2.40	-18.84	-5.74e-04	0.03	0.02	6.65
404	194	6.19	-1.53e-03	4.29e-04	-17.29	0.0	-0.66	-17.18	3.42e-03	-0.03	-1.53e-03	6.19
		-8.69	-1.82e-03	-1.49e-04	0.0	56.3	-0.66	-34.47	3.42e-03	-0.03	-1.82e-03	-8.69
404	197	13.87	4.29e-03	3.62e-04	-17.29	0.0	-1.66	-4.15	-5.53e-03	-0.05	3.89e-03	13.87
		6.98	3.89e-03	-5.15e-06	0.0	56.3	-1.66	-21.43	-5.53e-03	-0.05	4.29e-03	6.98
404	204	10.59	-0.03	4.41e-04	-17.29	0.0	-0.58	-14.46	-7.05e-03	-0.08	-0.03	10.59
		-1.04	-0.03	2.47e-04	0.0	56.3	-0.58	-31.75	-7.05e-03	-0.08	-0.03	-1.04
404	207	9.31	0.04	3.16e-04	-17.29	0.0	-2.23	-5.22	6.30e-03	0.05	0.03	9.31
		0.12	0.03	-2.44e-04	0.0	56.3	-2.23	-22.51	6.30e-03	0.05	0.04	0.12
404	220	6.62	-0.02	4.59e-04	-17.29	0.0	-0.25	-19.46	-1.26e-04	-0.06	-0.02	6.62
		-8.73	-0.02	-5.59e-06	0.0	56.3	-0.25	-36.75	-1.26e-04	-0.06	-0.02	-8.73
404	223	13.28	0.03	2.98e-04	-17.29	0.0	-2.55	-0.22	-6.26e-04	0.03	0.02	13.28
		7.82	0.02	8.73e-06	0.0	56.3	-2.55	-17.51	-6.26e-04	0.03	0.03	7.82
404	226	5.54	-2.02e-03	4.37e-04	-17.29	0.0	-0.54	-18.40	4.15e-03	-0.03	-2.02e-03	5.54
		-10.06	-2.31e-03	-1.81e-04	0.0	56.3	-0.54	-35.68	4.15e-03	-0.03	-2.31e-03	-10.06
404	233	14.50	5.51e-03	3.56e-04	-17.29	0.0	-1.73	-3.14	-6.22e-03	-0.05	4.92e-03	14.50
		8.24	4.92e-03	3.94e-06	0.0	56.3	-1.73	-20.43	-6.22e-03	-0.05	5.51e-03	8.24
405	4	-1.44	4.70e-03	5.68e-04	-32.78	0.0	4.18	-4.43	-5.25e-03	-0.01	4.70e-03	-1.44
		-13.16	2.22e-03	3.20e-06	0.0	56.3	4.18	-37.21	-5.25e-03	-0.01	2.22e-03	-13.16
405	19	-1.47	2.10e-03	1.57e-04	-8.55	0.0	1.77	-1.38	-2.42e-03	-7.69e-03	2.10e-03	-1.47
		-4.66	1.05e-03	0.0	0.0	56.3	1.77	-9.93	-2.42e-03	-7.69e-03	1.05e-03	-4.66
405	28	-0.09	4.98e-03	6.08e-04	-32.78	0.0	2.54	-6.18	-5.57e-03	-0.01	4.98e-03	-0.09
		-12.80	2.31e-03	3.28e-06	0.0	56.3	2.54	-38.96	-5.57e-03	-0.01	2.31e-03	-12.80
405	45	0.77	2.56e-03	2.23e-04	-8.55	0.0	-0.96	-4.30	-2.96e-03	-7.49e-03	2.56e-03	0.77
		-4.06	1.19e-03	0.0	0.0	56.3	-0.96	-12.85	-2.96e-03	-7.49e-03	1.19e-03	-4.06
405	46	0.77	2.83e-03	2.53e-04	-8.55	0.0	-0.74	-5.39	-3.27e-03	-8.15e-03	2.83e-03	0.77
		-4.67	1.31e-03	1.15e-06	0.0	56.3	-0.74	-13.94	-3.27e-03	-8.15e-03	1.31e-03	-4.67
405	68	-0.99	3.40e-03	3.96e-04	-22.53	0.0	2.84	-3.27	-3.81e-03	-8.99e-03	3.40e-03	-0.99
		-9.17	1.61e-03	2.26e-06	0.0	56.3	2.84	-25.80	-3.81e-03	-8.99e-03	1.61e-03	-9.17

405	72	-1.11	2.27e-03	1.84e-04	-9.42	0.0	1.58	-2.02	-2.62e-03	-7.77e-03	2.27e-03	-1.11
		-4.90	1.11e-03	1.07e-06	0.0	56.3	1.58	-11.44	-2.62e-03	-7.77e-03	1.11e-03	-4.90
405	80	-0.09	3.58e-03	4.22e-04	-22.53	0.0	1.75	-4.44	-4.03e-03	-8.91e-03	3.58e-03	-0.09
		-8.93	1.67e-03	2.31e-06	0.0	56.3	1.75	-26.96	-4.03e-03	-8.91e-03	1.67e-03	-8.93
405	85	0.39	2.57e-03	2.28e-04	-9.42	0.0	-0.24	-3.97	-2.98e-03	-7.64e-03	2.57e-03	0.39
		-4.50	1.20e-03	1.16e-06	0.0	56.3	-0.24	-13.39	-2.98e-03	-7.64e-03	1.20e-03	-4.50
405	86	0.39	2.76e-03	2.48e-04	-9.42	0.0	-0.09	-4.70	-3.19e-03	-8.08e-03	2.76e-03	0.39
		-4.90	1.28e-03	1.27e-06	0.0	56.3	-0.09	-14.12	-3.19e-03	-8.08e-03	1.28e-03	-4.90
405	98	-0.48	3.05e-03	3.35e-04	-18.60	0.0	1.93	-3.12	-3.46e-03	-8.25e-03	3.05e-03	-0.48
		-7.47	1.43e-03	2.02e-06	0.0	56.3	1.93	-21.72	-3.46e-03	-8.25e-03	1.43e-03	-7.47
405	102	-0.49	2.40e-03	2.02e-04	-9.42	0.0	1.11	-2.84	-2.79e-03	-7.70e-03	2.40e-03	-0.49
		-4.74	1.15e-03	1.29e-06	0.0	56.3	1.11	-12.26	-2.79e-03	-7.70e-03	1.15e-03	-4.74
405	104	-0.19	2.46e-03	2.11e-04	-9.42	0.0	0.74	-3.23	-2.86e-03	-7.68e-03	2.46e-03	-0.19
		-4.66	1.16e-03	1.31e-06	0.0	56.3	0.74	-12.65	-2.86e-03	-7.68e-03	1.16e-03	-4.66
405	106	-0.34	2.43e-03	2.07e-04	-9.42	0.0	0.99	-3.04	-2.83e-03	-7.69e-03	2.43e-03	-0.34
		-4.71	1.15e-03	1.34e-06	0.0	56.3	0.99	-12.46	-2.83e-03	-7.69e-03	1.15e-03	-4.71
405	107	-0.46	2.96e-03	3.16e-04	-17.29	0.0	1.80	-3.11	-3.37e-03	-8.17e-03	2.96e-03	-0.46
		-7.07	1.39e-03	1.92e-06	0.0	56.3	1.80	-20.39	-3.37e-03	-8.17e-03	1.39e-03	-7.07
405	108	-0.88	-0.01	3.38e-04	-17.29	0.0	0.03	-3.53	0.02	-0.04	-0.02	-0.88
		-8.33	-0.02	1.84e-04	0.0	56.3	0.03	-20.81	0.02	-0.04	-0.01	-8.33
405	111	-0.03	0.03	2.94e-04	-17.29	0.0	3.56	-2.69	-0.02	0.02	0.03	-0.03
		-5.82	0.01	-1.80e-04	0.0	56.3	3.56	-19.98	-0.02	0.02	0.01	-5.82
405	124	-6.49	2.77e-03	1.58e-04	-17.29	0.0	-0.82	5.01	9.73e-03	-0.03	-0.01	-6.84
		-9.09	-0.01	0.0	0.0	56.3	-0.82	-12.28	9.73e-03	-0.03	2.77e-03	-9.09
405	129	6.93	6.48e-03	5.20e-04	-17.29	0.0	4.43	-13.10	-6.37e-03	-9.35e-04	6.48e-03	6.93
		-5.43	-7.39e-03	1.29e-04	0.0	56.3	4.43	-30.39	-6.37e-03	-9.35e-04	-7.39e-03	-5.43
405	130	-7.03	0.01	1.13e-04	-17.29	0.0	-0.83	6.89	-3.70e-04	-0.02	-5.57e-04	-7.85
		-8.72	-5.57e-04	-1.25e-04	0.0	56.3	-0.83	-10.40	-3.70e-04	-0.02	0.01	-8.72
405	140	-0.93	-0.01	3.41e-04	-17.29	0.0	-0.19	-3.58	0.02	-0.04	-0.03	-0.93
		-8.48	-0.03	2.07e-04	0.0	56.3	-0.19	-20.87	0.02	-0.04	-0.01	-8.48
405	143	0.02	0.03	2.91e-04	-17.29	0.0	3.78	-2.63	-0.03	0.02	0.03	0.02
		-5.66	0.01	-2.03e-04	0.0	56.3	3.78	-19.92	-0.03	0.02	0.01	-5.66
405	156	-7.13	2.95e-03	1.38e-04	-17.29	0.0	-1.14	6.03	0.01	-0.03	-0.02	-7.64
		-9.34	-0.02	0.0	0.0	56.3	-1.14	-11.26	0.01	-0.03	2.95e-03	-9.34
405	161	7.86	6.90e-03	5.46e-04	-17.29	0.0	4.76	-14.36	-6.73e-03	4.08e-06	6.90e-03	7.86
		-5.23	-8.52e-03	1.46e-04	0.0	56.3	4.76	-31.65	-6.73e-03	4.08e-06	-8.52e-03	-5.23
405	162	-7.63	0.01	8.69e-05	-17.29	0.0	-1.16	8.14	-1.60e-05	-0.02	-9.74e-04	-8.78
		-8.92	-9.74e-04	-1.42e-04	0.0	56.3	-1.16	-9.14	-1.60e-05	-0.02	0.01	-8.92
405	172	-0.95	-0.01	3.42e-04	-17.29	0.0	-0.14	-3.62	0.02	-0.04	-0.03	-0.95
		-8.43	-0.03	2.08e-04	0.0	56.3	-0.14	-20.91	0.02	-0.04	-0.01	-8.43
405	175	0.04	0.03	2.90e-04	-17.29	0.0	3.74	-2.60	-0.03	0.02	0.03	0.04
		-5.71	0.01	-2.05e-04	0.0	56.3	3.74	-19.88	-0.03	0.02	0.01	-5.71
405	188	-7.06	2.93e-03	1.40e-04	-17.29	0.0	-1.11	5.92	0.01	-0.03	-0.02	-7.56
		-9.30	-0.02	-3.07e-06	0.0	56.3	-1.11	-11.37	0.01	-0.03	2.93e-03	-9.30
405	193	7.77	6.67e-03	5.45e-04	-17.29	0.0	4.74	-14.29	-6.52e-03	1.09e-04	6.67e-03	7.77
		-5.24	-8.56e-03	1.52e-04	0.0	56.3	4.74	-31.58	-6.52e-03	1.09e-04	-8.56e-03	-5.24
405	194	-7.58	0.01	8.79e-05	-17.29	0.0	-1.14	8.07	-2.17e-04	-0.02	-7.47e-04	-8.69
		-8.91	-7.47e-04	-1.48e-04	0.0	56.3	-1.14	-9.21	-2.17e-04	-0.02	0.01	-8.91
405	204	-1.04	-0.01	3.48e-04	-17.29	0.0	-0.46	-3.74	0.02	-0.04	-0.03	-1.04
		-8.64	-0.03	2.45e-04	0.0	56.3	-0.46	-21.03	0.02	-0.04	-0.01	-8.64
405	207	0.12	0.04	2.85e-04	-17.29	0.0	4.05	-2.47	-0.03	0.03	0.04	0.12
		-5.50	0.02	-2.42e-04	0.0	56.3	4.05	-19.76	-0.03	0.03	0.02	-5.50
405	225	9.15	7.07e-03	5.84e-04	-17.29	0.0	5.24	-16.19	-6.86e-03	1.50e-03	7.07e-03	9.15
		-4.94	-0.01	1.84e-04	0.0	56.3	5.24	-33.48	-6.86e-03	1.50e-03	-0.01	-4.94
405	226	-8.38	0.01	4.88e-05	-17.29	0.0	-1.64	9.97	1.24e-04	-0.02	-1.14e-03	-10.06
		-10.06	-1.14e-03	-1.80e-04	0.0	56.3	-1.64	-7.31	1.24e-04	-0.02	0.01	-9.21
406	4	-12.17	3.10e-03	3.22e-04	-32.78	0.0	1.54	10.71	8.82e-04	-3.33e-03	2.39e-03	-13.16
		-16.36	2.39e-03	3.52e-06	0.0	56.3	1.54	-22.07	8.82e-04	-3.33e-03	3.10e-03	-16.36
406	18	-10.69	2.85e-03	2.64e-04	-26.88	0.0	1.63	8.77	8.12e-04	-3.27e-03	2.18e-03	-11.50
		-14.13	2.18e-03	2.89e-06	0.0	56.3	1.63	-18.11	8.12e-04	-3.27e-03	2.85e-03	-14.13
406	19	-4.42	1.50e-03	8.26e-05	-8.55	0.0	0.88	2.70	3.56e-04	-2.20e-03	1.16e-03	-4.66
		-5.54	1.16e-03	1.01e-06	0.0	56.3	0.88	-5.85	3.56e-04	-2.20e-03	1.50e-03	-5.54
406	28	-11.94	3.07e-03	3.54e-04	-32.78	0.0	0.14	10.00	6.66e-04	-3.30e-03	2.48e-03	-12.80
		-16.39	2.48e-03	3.60e-06	0.0	56.3	0.14	-22.78	6.66e-04	-3.30e-03	3.07e-03	-16.39
406	45	-3.98	1.45e-03	1.35e-04	-8.55	0.0	-1.45	1.52	-2.82e-06	-2.15e-03	1.30e-03	-4.06
		-5.60	1.30e-03	1.16e-06	0.0	56.3	-1.45	-7.02	-2.82e-06	-2.15e-03	1.45e-03	-5.60
406	68	-8.51	2.24e-03	2.25e-04	-22.53	0.0	1.01	7.27	6.06e-04	-2.49e-03	1.73e-03	-9.17
		-11.42	1.73e-03	2.49e-06	0.0	56.3	1.01	-15.26	6.06e-04	-2.49e-03	2.24e-03	-11.42
406	72	-4.67	1.55e-03	1.00e-04	-9.42	0.0	0.63	2.79	3.36e-04	-2.21e-03	1.22e-03	-4.90
		-5.98	1.22e-03	1.24e-06	0.0	56.3	0.63	-6.63	3.36e-04	-2.21e-03	1.55e-03	-5.98
406	75	-7.53	2.07e-03	1.86e-04	-18.60	0.0	1.07	5.98	5.59e-04	-2.45e-03	1.60e-03	-8.07
		-9.94	1.60e-03	2.07e-06	0.0	56.3	1.07	-12.62	5.59e-04	-2.45e-03	2.07e-03	-9.94
406	80	-8.36	2.22e-03	2.46e-04	-22.53	0.0	0.08	6.80	4.62e-04	-2.47e-03	1.79e-03	-8.93
		-11.45	1.79e-03	2.55e-06	0.0	56.3	0.08	-15.73	4.62e-04	-2.47e-03	2.22e-03	-11.45
406	85	-4.38	1.52e-03	1.36e-04	-9.42	0.0	-0.92	2.01	9.69e-05	-2.18e-03	1.32e-03	-4.50

		-6.02	1.32e-03	1.33e-06	0.0	56.3	-0.92	-7.41	9.69e-05	-2.18e-03	1.52e-03	-6.02
406	98	-6.96	1.94e-03	1.92e-04	-18.60	0.0	0.45	5.78	4.39e-04	-2.30e-03	1.55e-03	-7.47
		-9.45	1.55e-03	2.22e-06	0.0	56.3	0.45	-12.81	4.39e-04	-2.30e-03	1.94e-03	-9.45
406	102	-4.56	1.54e-03	1.15e-04	-9.42	0.0	0.18	2.48	2.67e-04	-2.18e-03	1.25e-03	-4.74
		-6.00	1.25e-03	1.46e-06	0.0	56.3	0.18	-6.94	2.67e-04	-2.18e-03	1.54e-03	-6.00
406	103	-6.64	1.89e-03	1.78e-04	-17.29	0.0	0.51	5.38	4.29e-04	-2.29e-03	1.50e-03	-7.11
		-8.95	1.50e-03	2.07e-06	0.0	56.3	0.51	-11.91	4.29e-04	-2.29e-03	1.89e-03	-8.95
406	104	-4.50	1.54e-03	1.22e-04	-9.42	0.0	-0.13	2.33	2.19e-04	-2.17e-03	1.27e-03	-4.66
		-6.01	1.27e-03	1.48e-06	0.0	56.3	-0.13	-7.09	2.19e-04	-2.17e-03	1.54e-03	-6.01
406	106	-4.53	1.54e-03	1.18e-04	-9.42	0.0	0.07	2.41	2.50e-04	-2.17e-03	1.26e-03	-4.71
		-6.00	1.26e-03	1.51e-06	0.0	56.3	0.07	-7.01	2.50e-04	-2.17e-03	1.54e-03	-6.00
406	107	-6.62	1.89e-03	1.81e-04	-17.29	0.0	0.40	5.30	4.12e-04	-2.28e-03	1.51e-03	-7.07
		-8.95	1.51e-03	2.12e-06	0.0	56.3	0.40	-11.98	4.12e-04	-2.28e-03	1.89e-03	-8.95
406	113	-7.20	-9.58e-03	2.76e-04	-17.29	0.0	0.73	3.05	-8.33e-03	-0.02	-9.58e-03	-7.41
		-10.25	-0.02	1.83e-04	0.0	56.3	0.73	-14.24	-8.33e-03	-0.02	-0.02	-10.25
406	114	-5.94	0.02	8.73e-05	-17.29	0.0	0.06	7.55	9.15e-03	0.02	0.01	-6.74
		-7.65	0.01	-1.79e-04	0.0	56.3	0.06	-9.73	9.15e-03	0.02	0.02	-7.65
406	125	-5.47	-7.02e-03	3.40e-04	-17.29	0.0	1.03	1.01	1.77e-03	1.88e-03	-7.02e-03	-5.49
		-9.79	-9.59e-03	1.25e-04	0.0	56.3	1.03	-16.27	1.77e-03	1.88e-03	-9.59e-03	-9.79
406	126	-7.16	0.01	2.27e-05	-17.29	0.0	-0.23	9.59	-9.48e-04	-6.45e-03	0.01	-8.66
		-8.66	0.01	-1.21e-04	0.0	56.3	-0.23	-7.70	-9.48e-04	-6.45e-03	0.01	-8.12
406	127	-5.03	4.99e-04	3.09e-04	-17.29	0.0	0.92	1.70	6.34e-03	0.01	4.99e-04	-5.06
		-9.17	2.19e-04	4.80e-06	0.0	56.3	0.92	-15.59	6.34e-03	0.01	2.19e-04	-9.17
406	145	-7.26	-0.01	2.87e-04	-17.29	0.0	0.77	2.77	-9.41e-03	-0.02	-0.01	-7.45
		-10.42	-0.02	2.06e-04	0.0	56.3	0.77	-14.52	-9.41e-03	-0.02	-0.02	-10.42
406	146	-5.85	0.02	7.54e-05	-17.29	0.0	0.02	7.83	0.01	0.02	0.01	-6.70
		-7.49	0.01	-2.02e-04	0.0	56.3	0.02	-9.45	0.01	0.02	0.02	-7.49
406	157	-5.29	-8.11e-03	3.60e-04	-17.29	0.0	1.10	0.47	1.94e-03	2.39e-03	-8.11e-03	-5.29
		-9.90	-0.01	1.41e-04	0.0	56.3	1.10	-16.81	1.94e-03	2.39e-03	-0.01	-9.90
406	158	-7.19	0.01	-1.48e-05	-17.29	0.0	-0.31	10.13	-1.11e-03	-6.96e-03	0.01	-8.86
		-8.86	0.01	-1.37e-04	0.0	56.3	-0.31	-7.16	-1.11e-03	-6.96e-03	0.01	-8.01
406	159	-4.80	3.67e-04	3.25e-04	-17.29	0.0	0.99	1.25	7.08e-03	0.01	3.67e-04	-4.81
		-9.19	7.60e-06	5.56e-06	0.0	56.3	0.99	-16.04	7.08e-03	0.01	7.60e-06	-9.19
406	177	-7.24	-0.01	2.87e-04	-17.29	0.0	0.77	2.80	-9.05e-03	-0.02	-0.01	-7.41
		-10.41	-0.02	2.07e-04	0.0	56.3	0.77	-14.48	-9.05e-03	-0.02	-0.02	-10.41
406	178	-5.87	0.02	7.60e-05	-17.29	0.0	0.03	7.80	9.87e-03	0.02	0.01	-6.73
		-7.50	0.01	-2.03e-04	0.0	56.3	0.03	-9.49	9.87e-03	0.02	0.02	-7.50
406	191	-4.84	3.43e-04	3.24e-04	-17.29	0.0	0.98	1.30	6.85e-03	0.01	3.43e-04	-4.85
		-9.20	1.09e-05	7.68e-06	0.0	56.3	0.98	-15.99	6.85e-03	0.01	1.09e-05	-9.20
406	193	-5.24	-8.24e-03	3.59e-04	-17.29	0.0	1.10	0.51	2.25e-03	2.00e-03	-8.24e-03	-5.24
		-9.85	-0.01	1.53e-04	0.0	56.3	1.10	-16.78	2.25e-03	2.00e-03	-0.01	-9.85
406	194	-7.23	0.01	-1.42e-05	-17.29	0.0	-0.30	10.10	-1.43e-03	-6.56e-03	0.01	-8.91
		-8.91	0.01	-1.48e-04	0.0	56.3	-0.30	-7.19	-1.43e-03	-6.56e-03	0.01	-8.06
406	209	-7.32	-0.01	3.05e-04	-17.29	0.0	0.83	2.39	-0.01	-0.03	-0.01	-7.46
		-10.66	-0.02	2.44e-04	0.0	56.3	0.83	-14.89	-0.01	-0.03	-0.02	-10.66
406	217	-7.08	-0.01	3.08e-04	-17.29	0.0	0.83	2.24	-9.40e-03	-0.03	-0.01	-7.21
		-10.51	-0.02	2.84e-04	0.0	56.3	0.83	-15.04	-9.40e-03	-0.03	-0.02	-10.51
406	218	-5.94	0.03	5.47e-05	-17.29	0.0	-0.04	8.36	0.01	0.02	0.02	-6.94
		-7.40	0.02	-2.80e-04	0.0	56.3	-0.04	-8.93	0.01	0.02	0.03	-7.40
406	223	-4.49	1.23e-04	3.47e-04	-17.29	0.0	1.08	0.64	7.89e-03	0.02	1.23e-04	-4.49
		-9.24	-3.12e-04	1.05e-05	0.0	56.3	1.08	-16.64	7.89e-03	0.02	-3.12e-04	-9.24
406	225	-4.94	-0.01	3.89e-04	-17.29	0.0	1.21	-0.30	2.50e-03	2.62e-03	-0.01	-4.94
		-10.02	-0.01	1.84e-04	0.0	56.3	1.21	-17.59	2.50e-03	2.62e-03	-0.01	-10.02
406	226	-7.24	0.02	-3.19e-05	-17.29	0.0	-0.42	10.90	-1.68e-03	-7.19e-03	0.01	-9.21
		-9.21	0.01	-1.80e-04	0.0	56.3	-0.42	-6.38	-1.68e-03	-7.19e-03	0.02	-7.89
407	4	-12.45	2.42e-03	1.97e-04	-32.78	0.0	0.23	16.25	-0.03	-3.48e-03	2.42e-03	-14.71
		-14.79	-0.01	4.48e-06	0.0	56.3	0.23	-16.53	-0.03	-3.48e-03	-0.01	-14.79
407	22	-8.87	1.70e-03	1.31e-04	-22.31	0.0	0.70	11.00	-0.02	-2.67e-03	1.70e-03	-10.40
		-10.49	-8.59e-03	2.88e-06	0.0	56.3	0.70	-11.31	-0.02	-2.67e-03	-8.59e-03	-10.49
407	28	-12.34	2.57e-03	2.12e-04	-32.78	0.0	-1.36	16.37	-0.02	-3.24e-03	2.57e-03	-14.64
		-14.65	-0.01	4.75e-06	0.0	56.3	-1.36	-16.42	-0.02	-3.24e-03	-0.01	-14.65
407	41	-6.54	1.89e-03	1.12e-04	-13.12	0.0	-2.17	6.50	-0.01	-2.33e-03	1.89e-03	-7.45
		-7.48	-5.84e-03	2.65e-06	0.0	56.3	-2.17	-6.62	-0.01	-2.33e-03	-5.84e-03	-7.48
407	45	-4.46	1.41e-03	7.98e-05	-8.55	0.0	-2.06	4.26	-9.87e-03	-1.66e-03	1.41e-03	-5.06
		-5.07	-3.87e-03	1.82e-06	0.0	56.3	-2.06	-4.29	-9.87e-03	-1.66e-03	-3.87e-03	-5.07
407	68	-8.74	1.77e-03	1.38e-04	-22.53	0.0	0.10	11.16	-0.02	-2.55e-03	1.77e-03	-10.30
		-10.36	-8.03e-03	3.19e-06	0.0	56.3	0.10	-11.37	-0.02	-2.55e-03	-8.03e-03	-10.36
407	75	-7.74	1.61e-03	1.15e-04	-18.60	0.0	0.33	9.16	-0.02	-2.46e-03	1.61e-03	-9.01
		-9.09	-7.58e-03	2.67e-06	0.0	56.3	0.33	-9.44	-0.02	-2.46e-03	-7.58e-03	-9.09
407	80	-8.67	1.87e-03	1.47e-04	-22.53	0.0	-0.96	11.23	-0.02	-2.39e-03	1.87e-03	-10.24
		-10.26	-7.29e-03	3.36e-06	0.0	56.3	-0.96	-11.29	-0.02	-2.39e-03	-7.29e-03	-10.26
407	85	-4.80	1.41e-03	8.11e-05	-9.42	0.0	-1.50	4.66	-0.01	-1.79e-03	1.41e-03	-5.45
		-5.48	-4.44e-03	1.96e-06	0.0	56.3	-1.50	-4.76	-0.01	-1.79e-03	-4.44e-03	-5.48
407	98	-7.25	1.62e-03	1.17e-04	-18.60	0.0	-0.32	9.21	-0.02	-2.26e-03	1.62e-03	-8.54
		-8.59	-6.69e-03	2.88e-06	0.0	56.3	-0.32	-9.39	-0.02	-2.26e-03	-6.69e-03	-8.59

407	103	-6.92	1.56e-03	1.09e-04	-17.29	0.0	-0.20	8.54	-0.02	-2.24e-03	1.56e-03	-8.11
		-8.17	-6.57e-03	2.69e-06	0.0	56.3	-0.20	-8.75	-0.02	-2.24e-03	-6.57e-03	-8.17
407	104	-4.86	1.35e-03	7.48e-05	-9.42	0.0	-0.61	4.60	-0.01	-1.92e-03	1.35e-03	-5.49
		-5.55	-5.00e-03	2.02e-06	0.0	56.3	-0.61	-4.82	-0.01	-1.92e-03	-5.00e-03	-5.55
407	106	-4.87	1.33e-03	7.32e-05	-9.42	0.0	-0.39	4.59	-0.01	-1.95e-03	1.33e-03	-5.50
		-5.57	-5.14e-03	2.04e-06	0.0	56.3	-0.39	-4.83	-0.01	-1.95e-03	-5.14e-03	-5.57
407	107	-6.91	1.58e-03	1.11e-04	-17.29	0.0	-0.33	8.55	-0.01	-2.21e-03	1.58e-03	-8.10
		-8.16	-6.47e-03	2.76e-06	0.0	56.3	-0.33	-8.74	-0.01	-2.21e-03	-6.47e-03	-8.16
407	116	-7.30	-0.01	7.76e-05	-17.29	0.0	-0.58	9.01	-0.07	-0.02	-0.01	-8.60
		-8.60	-0.05	1.98e-04	0.0	56.3	-0.58	-8.27	-0.07	-0.02	-0.05	-8.43
407	119	-6.53	0.03	1.44e-04	-17.29	0.0	-0.09	8.08	0.04	0.02	0.01	-7.60
		-7.88	0.01	-1.93e-04	0.0	56.3	-0.09	-9.21	0.04	0.02	0.03	-7.88
407	124	-7.42	-6.14e-03	4.14e-05	-17.29	0.0	-0.83	9.04	-0.05	-0.02	-6.14e-03	-8.69
		-8.69	-0.03	0.0	0.0	56.3	-0.83	-8.25	-0.05	-0.02	-0.03	-8.59
407	127	-6.40	0.02	1.80e-04	-17.29	0.0	0.17	8.06	0.02	0.01	9.30e-03	-7.52
		-7.72	9.30e-03	5.16e-06	0.0	56.3	0.17	-9.23	0.02	0.01	0.02	-7.72
407	136	-7.34	-5.59e-03	3.87e-05	-17.29	0.0	-0.87	9.08	-0.04	2.02e-03	-5.59e-03	-8.58
		-8.58	-0.03	1.31e-04	0.0	56.3	-0.87	-8.20	-0.04	2.02e-03	-0.03	-8.54
407	139	-6.48	0.02	1.83e-04	-17.29	0.0	0.20	8.01	0.01	-6.45e-03	8.75e-03	-7.62
		-7.77	8.75e-03	-1.26e-04	0.0	56.3	0.20	-9.28	0.01	-6.45e-03	0.02	-7.77
407	148	-7.35	-0.01	7.34e-05	-17.29	0.0	-0.61	9.07	-0.07	-0.03	-0.01	-8.66
		-8.66	-0.05	2.24e-04	0.0	56.3	-0.61	-8.21	-0.07	-0.03	-0.05	-8.47
407	151	-6.48	0.04	1.48e-04	-17.29	0.0	-0.06	8.02	0.04	0.02	0.02	-7.54
		-7.84	0.02	-2.19e-04	0.0	56.3	-0.06	-9.26	0.04	0.02	0.04	-7.84
407	156	-7.49	-7.12e-03	3.27e-05	-17.29	0.0	-0.89	9.09	-0.05	-0.02	-7.12e-03	-8.76
		-8.76	-0.03	0.0	0.0	56.3	-0.89	-8.19	-0.05	-0.02	-0.03	-8.65
407	159	-6.34	0.02	1.89e-04	-17.29	0.0	0.23	8.00	0.02	0.01	0.01	-7.45
		-7.67	0.01	5.89e-06	0.0	56.3	0.23	-9.28	0.02	0.01	0.02	-7.67
407	168	-7.40	-6.52e-03	2.97e-05	-17.29	0.0	-0.93	9.15	-0.05	2.56e-03	-6.52e-03	-8.64
		-8.64	-0.03	1.48e-04	0.0	56.3	-0.93	-8.14	-0.05	2.56e-03	-0.03	-8.59
407	171	-6.43	0.02	1.92e-04	-17.29	0.0	0.27	7.95	0.02	-6.99e-03	9.69e-03	-7.56
		-7.72	9.69e-03	-1.43e-04	0.0	56.3	0.27	-9.34	0.02	-6.99e-03	0.02	-7.72
407	180	-7.36	-0.01	7.37e-05	-17.29	0.0	-0.60	9.07	-0.07	-0.03	-0.01	-8.67
		-8.67	-0.05	2.34e-04	0.0	56.3	-0.60	-8.21	-0.07	-0.03	-0.05	-8.47
407	183	-6.47	0.04	1.48e-04	-17.29	0.0	-0.06	8.02	0.04	0.02	0.02	-7.53
		-7.84	0.02	-2.29e-04	0.0	56.3	-0.06	-9.26	0.04	0.02	0.04	-7.84
407	188	-7.47	-7.15e-03	3.44e-05	-17.29	0.0	-0.88	9.06	-0.05	-0.02	-7.15e-03	-8.75
		-8.75	-0.03	-2.51e-06	0.0	56.3	-0.88	-8.23	-0.05	-0.02	-0.03	-8.64
407	191	-6.35	0.02	1.87e-04	-17.29	0.0	0.22	8.04	0.02	0.01	0.01	-7.46
		-7.68	0.01	8.04e-06	0.0	56.3	0.22	-9.25	0.02	0.01	0.02	-7.68
407	200	-7.39	-6.72e-03	3.05e-05	-17.29	0.0	-0.92	9.10	-0.05	2.50e-03	-6.72e-03	-8.64
		-8.64	-0.03	1.54e-04	0.0	56.3	-0.92	-8.18	-0.05	2.50e-03	-0.03	-8.58
407	203	-6.43	0.02	1.91e-04	-17.29	0.0	0.26	7.99	0.02	-6.93e-03	9.88e-03	-7.57
		-7.73	9.88e-03	-1.49e-04	0.0	56.3	0.26	-9.29	0.02	-6.93e-03	0.02	-7.73
407	212	-7.44	-0.02	6.72e-05	-17.29	0.0	-0.65	9.18	-0.09	-0.03	-0.02	-8.79
		-8.79	-0.06	2.84e-04	0.0	56.3	-0.65	-8.11	-0.09	-0.03	-0.06	-8.53
407	215	-6.38	0.05	1.55e-04	-17.29	0.0	-0.01	7.92	0.06	0.03	0.02	-7.42
		-7.78	0.02	-2.78e-04	0.0	56.3	-0.01	-9.37	0.06	0.03	0.05	-7.78
407	220	-7.57	-8.70e-03	2.22e-05	-17.29	0.0	-0.97	9.14	-0.05	-0.02	-8.70e-03	-8.85
		-8.85	-0.04	-5.29e-06	0.0	56.3	-0.97	-8.15	-0.05	-0.02	-0.04	-8.71
407	223	-6.26	0.03	2.00e-04	-17.29	0.0	0.31	7.96	0.02	0.01	0.01	-7.35
		-7.60	0.01	1.08e-05	0.0	56.3	0.31	-9.33	0.02	0.01	0.03	-7.60
407	232	-7.48	-8.36e-03	1.71e-05	-17.29	0.0	-1.02	9.20	-0.05	3.20e-03	-8.36e-03	-8.73
		-8.73	-0.04	1.86e-04	0.0	56.3	-1.02	-8.09	-0.05	3.20e-03	-0.04	-8.66
407	235	-6.35	0.03	2.05e-04	-17.29	0.0	0.36	7.89	0.02	-7.63e-03	0.01	-7.47
		-7.65	0.01	-1.80e-04	0.0	56.3	0.36	-9.39	0.02	-7.63e-03	0.03	-7.65
408	4	-5.75	4.00e-03	4.63e-04	-32.78	0.0	2.52	0.46	-3.98e-03	-5.39e-03	4.00e-03	-5.75
		-14.71	2.15e-03	4.21e-06	0.0	56.3	2.52	-32.32	-3.98e-03	-5.39e-03	2.15e-03	-14.71
408	18	-5.31	3.55e-03	3.88e-04	-26.88	0.0	2.81	0.17	-3.57e-03	-5.15e-03	3.55e-03	-5.31
		-12.79	1.93e-03	3.47e-06	0.0	56.3	2.81	-26.71	-3.57e-03	-5.15e-03	1.93e-03	-12.79
408	19	-2.62	1.73e-03	1.37e-04	-8.55	0.0	1.72	-0.29	-1.70e-03	-3.21e-03	1.73e-03	-2.62
		-5.19	1.01e-03	1.25e-06	0.0	56.3	1.72	-8.84	-1.70e-03	-3.21e-03	1.01e-03	-5.19
408	28	-5.08	4.30e-03	4.89e-04	-32.78	0.0	0.07	-0.58	-4.18e-03	-5.40e-03	4.30e-03	-5.08
		-14.64	2.32e-03	4.46e-06	0.0	56.3	0.07	-33.36	-4.18e-03	-5.40e-03	2.32e-03	-14.64
408	45	-1.51	2.24e-03	1.81e-04	-8.55	0.0	-2.36	-2.03	-2.03e-03	-3.23e-03	2.24e-03	-1.51
		-5.06	1.29e-03	1.65e-06	0.0	56.3	-2.36	-10.57	-2.03e-03	-3.23e-03	1.29e-03	-5.06
408	68	-4.03	2.89e-03	3.23e-04	-22.53	0.0	1.66	0.14	-2.86e-03	-3.98e-03	2.89e-03	-4.03
		-10.30	1.57e-03	2.99e-06	0.0	56.3	1.66	-22.39	-2.86e-03	-3.98e-03	1.57e-03	-10.30
408	72	-2.55	1.89e-03	1.57e-04	-9.42	0.0	1.24	-0.60	-1.84e-03	-3.28e-03	1.89e-03	-2.55
		-5.54	1.09e-03	1.53e-06	0.0	56.3	1.24	-10.02	-1.84e-03	-3.28e-03	1.09e-03	-5.54
408	75	-3.74	2.59e-03	2.74e-04	-18.60	0.0	1.86	-0.06	-2.58e-03	-3.82e-03	2.59e-03	-3.74
		-9.01	1.42e-03	2.50e-06	0.0	56.3	1.86	-18.65	-2.58e-03	-3.82e-03	1.42e-03	-9.01
408	80	-3.59	3.09e-03	3.41e-04	-22.53	0.0	0.03	-0.55	-2.99e-03	-3.99e-03	3.09e-03	-3.59
		-10.24	1.68e-03	3.15e-06	0.0	56.3	0.03	-23.08	-2.99e-03	-3.99e-03	1.68e-03	-10.24
408	85	-1.81	2.23e-03	1.86e-04	-9.42	0.0	-1.48	-1.75	-2.06e-03	-3.29e-03	2.23e-03	-1.81

		-5.45	1.28e-03	1.80e-06	0.0	56.3	-1.48	-11.17	-2.06e-03	-3.29e-03	1.28e-03	-5.45
408	98	-3.20	2.60e-03	2.74e-04	-18.60	0.0	0.72	-0.18	-2.50e-03	-3.65e-03	2.60e-03	-3.20
		-8.54	1.45e-03	2.70e-06	0.0	56.3	0.72	-18.77	-2.50e-03	-3.65e-03	1.45e-03	-8.54
408	102	-2.24	2.03e-03	1.69e-04	-9.42	0.0	0.38	-1.10	-1.94e-03	-3.28e-03	2.03e-03	-2.24
		-5.51	1.17e-03	1.82e-06	0.0	56.3	0.38	-10.52	-1.94e-03	-3.28e-03	1.17e-03	-5.51
408	103	-3.13	2.49e-03	2.56e-04	-17.29	0.0	0.85	-0.20	-2.40e-03	-3.60e-03	2.49e-03	-3.13
		-8.11	1.40e-03	2.52e-06	0.0	56.3	0.85	-17.49	-2.40e-03	-3.60e-03	1.40e-03	-8.11
408	104	-2.09	2.10e-03	1.75e-04	-9.42	0.0	-0.17	-1.33	-1.98e-03	-3.28e-03	2.10e-03	-2.09
		-5.49	1.21e-03	1.87e-06	0.0	56.3	-0.17	-10.75	-1.98e-03	-3.28e-03	1.21e-03	-5.49
408	106	-2.16	2.07e-03	1.73e-04	-9.42	0.0	0.16	-1.23	-1.96e-03	-3.28e-03	2.07e-03	-2.16
		-5.50	1.19e-03	1.89e-06	0.0	56.3	0.16	-10.65	-1.96e-03	-3.28e-03	1.19e-03	-5.50
408	107	-3.05	2.52e-03	2.60e-04	-17.29	0.0	0.64	-0.33	-2.42e-03	-3.60e-03	2.52e-03	-3.05
		-8.10	1.41e-03	2.59e-06	0.0	56.3	0.64	-17.61	-2.42e-03	-3.60e-03	1.41e-03	-8.10
408	108	-5.37	-8.24e-03	1.97e-04	-17.29	0.0	-0.35	3.17	-7.30e-03	-0.03	-8.24e-03	-5.53
		-8.66	-0.01	1.83e-04	0.0	56.3	-0.35	-14.11	-7.30e-03	-0.03	-0.01	-8.66
408	111	-0.58	0.01	3.23e-04	-17.29	0.0	1.63	-3.82	2.45e-03	0.02	0.01	-0.58
		-7.54	0.01	-1.77e-04	0.0	56.3	1.63	-21.11	2.45e-03	0.02	0.01	-7.54
408	124	-6.64	-4.97e-03	1.32e-04	-17.29	0.0	-1.00	6.11	-1.90e-03	-0.02	-4.97e-03	-7.23
		-8.69	-6.71e-03	0.0	0.0	56.3	-1.00	-11.18	-1.90e-03	-0.02	-6.71e-03	-8.69
408	135	1.22	9.23e-03	4.00e-04	-17.29	0.0	2.31	-7.13	-5.39e-03	-8.35e-03	8.18e-03	1.22
		-7.61	8.18e-03	-1.21e-04	0.0	56.3	2.31	-24.41	-5.39e-03	-8.35e-03	9.23e-03	-7.61
408	136	-6.65	-2.70e-03	1.19e-04	-17.29	0.0	-1.05	6.49	5.76e-04	0.01	-2.70e-03	-7.32
		-8.58	-6.00e-03	1.31e-04	0.0	56.3	-1.05	-10.79	5.76e-04	0.01	-6.00e-03	-8.58
408	139	1.21	8.83e-03	4.00e-04	-17.29	0.0	2.33	-7.14	-5.42e-03	-0.02	7.75e-03	1.21
		-7.62	7.75e-03	-1.25e-04	0.0	56.3	2.33	-24.43	-5.42e-03	-0.02	8.83e-03	-7.62
408	140	-5.64	-9.60e-03	1.89e-04	-17.29	0.0	-0.48	3.61	-7.87e-03	-0.03	-9.60e-03	-5.84
		-8.73	-0.01	2.05e-04	0.0	56.3	-0.48	-13.67	-7.87e-03	-0.03	-0.01	-8.73
408	143	-0.27	0.02	3.30e-04	-17.29	0.0	1.76	-4.26	3.02e-03	0.02	0.01	-0.27
		-7.47	0.01	-2.00e-04	0.0	56.3	1.76	-21.55	3.02e-03	0.02	0.02	-7.47
408	156	-6.99	-5.91e-03	1.16e-04	-17.29	0.0	-1.21	6.91	-1.83e-03	-0.02	-5.91e-03	-7.75
		-8.76	-7.73e-03	0.0	0.0	56.3	-1.21	-10.38	-1.83e-03	-0.02	-7.73e-03	-8.76
408	167	1.75	0.01	4.18e-04	-17.29	0.0	2.52	-7.98	-5.76e-03	-8.94e-03	8.91e-03	1.75
		-7.54	8.91e-03	-1.37e-04	0.0	56.3	2.52	-25.27	-5.76e-03	-8.94e-03	0.01	-7.54
408	168	-7.00	-3.38e-03	1.01e-04	-17.29	0.0	-1.26	7.35	9.55e-04	0.02	-3.38e-03	-7.85
		-8.64	-6.95e-03	1.48e-04	0.0	56.3	-1.26	-9.94	9.55e-04	0.02	-6.95e-03	-8.64
408	171	1.75	9.78e-03	4.18e-04	-17.29	0.0	2.54	-8.00	-5.80e-03	-0.02	8.43e-03	1.75
		-7.56	8.43e-03	-1.42e-04	0.0	56.3	2.54	-25.29	-5.80e-03	-0.02	9.78e-03	-7.56
408	172	-5.62	-9.54e-03	1.91e-04	-17.29	0.0	-0.47	3.56	-7.35e-03	-0.03	-9.54e-03	-5.81
		-8.73	-0.01	2.07e-04	0.0	56.3	-0.47	-13.73	-7.35e-03	-0.03	-0.01	-8.73
408	175	-0.29	0.02	3.29e-04	-17.29	0.0	1.75	-4.21	2.50e-03	0.02	0.01	-0.29
		-7.48	0.01	-2.02e-04	0.0	56.3	1.75	-21.49	2.50e-03	0.02	0.02	-7.48
408	188	-6.93	-5.84e-03	1.19e-04	-17.29	0.0	-1.18	6.78	-1.81e-03	-0.02	-5.84e-03	-7.67
		-8.75	-7.67e-03	-2.09e-06	0.0	56.3	-1.18	-10.51	-1.81e-03	-0.02	-7.67e-03	-8.75
408	200	-6.98	-3.49e-03	1.03e-04	-17.29	0.0	-1.26	7.28	9.20e-04	0.02	-3.49e-03	-7.82
		-8.64	-6.99e-03	1.54e-04	0.0	56.3	-1.26	-10.00	9.20e-04	0.02	-6.99e-03	-8.64
408	203	1.72	9.82e-03	4.16e-04	-17.29	0.0	2.53	-7.94	-5.77e-03	-0.02	8.53e-03	1.72
		-7.57	8.53e-03	-1.49e-04	0.0	56.3	2.53	-25.22	-5.77e-03	-0.02	9.82e-03	-7.57
408	204	-6.00	-0.01	1.80e-04	-17.29	0.0	-0.65	4.20	-8.10e-03	-0.03	-0.01	-6.28
		-8.84	-0.02	2.43e-04	0.0	56.3	-0.65	-13.09	-8.10e-03	-0.03	-0.02	-8.84
408	207	0.17	0.02	3.40e-04	-17.29	0.0	1.93	-4.85	3.25e-03	0.02	0.02	0.17
		-7.37	0.02	-2.38e-04	0.0	56.3	1.93	-22.14	3.25e-03	0.02	0.02	-7.37
408	220	-7.41	-7.25e-03	9.63e-05	-17.29	0.0	-1.47	7.92	-1.68e-03	-0.02	-7.25e-03	-8.41
		-8.85	-9.23e-03	-4.78e-06	0.0	56.3	-1.47	-9.37	-1.68e-03	-0.02	-9.23e-03	-8.85
408	232	-7.47	-4.66e-03	7.69e-05	-17.29	0.0	-1.58	8.57	1.42e-03	0.02	-4.66e-03	-8.63
		-8.73	-8.54e-03	1.86e-04	0.0	56.3	-1.58	-8.72	1.42e-03	0.02	-8.54e-03	-8.73
408	235	2.53	0.01	4.42e-04	-17.29	0.0	2.86	-9.22	-6.26e-03	-0.03	9.71e-03	2.53
		-7.47	9.71e-03	-1.80e-04	0.0	56.3	2.86	-26.50	-6.26e-03	-0.03	0.01	-7.47
409	4	14.80	3.86e-03	7.09e-04	-32.78	0.0	-2.92	-20.11	7.96e-03	-6.67e-03	-6.16e-04	14.80
		-5.75	-6.16e-04	3.76e-06	0.0	56.3	-2.92	-52.89	7.96e-03	-6.67e-03	3.86e-03	-5.75
409	19	4.52	1.61e-03	2.40e-04	-8.55	0.0	-0.33	-8.41	3.49e-03	-3.94e-03	-3.56e-04	4.52
		-2.62	-3.56e-04	1.05e-06	0.0	56.3	-0.33	-16.96	3.49e-03	-3.94e-03	1.61e-03	-2.62
409	28	15.23	4.18e-03	7.14e-04	-32.78	0.0	-5.12	-19.69	8.65e-03	-6.85e-03	-6.87e-04	15.23
		-5.08	-6.87e-04	3.96e-06	0.0	56.3	-5.12	-52.47	8.65e-03	-6.85e-03	4.18e-03	-5.08
409	35	13.87	4.07e-03	6.51e-04	-26.88	0.0	-4.91	-19.42	8.54e-03	-6.91e-03	-7.36e-04	13.87
		-4.63	-7.36e-04	3.68e-06	0.0	56.3	-4.91	-46.30	8.54e-03	-6.91e-03	4.07e-03	-4.63
409	44	13.26	3.94e-03	6.19e-04	-26.88	0.0	-5.67	-17.58	8.24e-03	-6.64e-03	-7.00e-04	13.26
		-4.20	-7.00e-04	3.41e-06	0.0	56.3	-5.67	-44.46	8.24e-03	-6.64e-03	3.94e-03	-4.20
409	68	10.31	2.78e-03	4.96e-04	-22.53	0.0	-2.13	-14.22	5.77e-03	-4.94e-03	-4.62e-04	10.31
		-4.03	-4.62e-04	2.66e-06	0.0	56.3	-2.13	-36.74	5.77e-03	-4.94e-03	2.78e-03	-4.03
409	72	5.03	1.78e-03	2.59e-04	-9.42	0.0	-0.87	-8.76	3.84e-03	-4.06e-03	-3.84e-04	5.03
		-2.55	-3.84e-04	1.32e-06	0.0	56.3	-0.87	-18.19	3.84e-03	-4.06e-03	1.78e-03	-2.55
409	80	10.60	3.00e-03	4.99e-04	-22.53	0.0	-3.60	-13.93	6.23e-03	-5.06e-03	-5.09e-04	10.60
		-3.59	-5.09e-04	2.80e-06	0.0	56.3	-3.60	-36.46	6.23e-03	-5.06e-03	3.00e-03	-3.59
409	83	9.69	2.92e-03	4.57e-04	-18.60	0.0	-3.46	-13.75	6.16e-03	-5.10e-03	-5.42e-04	9.69
		-3.29	-5.42e-04	2.61e-06	0.0	56.3	-3.46	-32.35	6.16e-03	-5.10e-03	2.92e-03	-3.29

409	88	9.28	2.83e-03	4.36e-04	-18.60	0.0	-3.97	-12.53	5.96e-03	-4.92e-03	-5.18e-04	9.28
		-3.01	-5.18e-04	2.43e-06	0.0	56.3	-3.97	-31.12	5.96e-03	-4.92e-03	2.83e-03	-3.01
409	98	8.56	2.50e-03	4.11e-04	-18.60	0.0	-2.35	-11.59	5.22e-03	-4.56e-03	-4.40e-04	8.56
		-3.20	-4.40e-04	2.41e-06	0.0	56.3	-2.35	-30.19	5.22e-03	-4.56e-03	2.50e-03	-3.20
409	101	8.29	2.49e-03	3.98e-04	-17.29	0.0	-2.31	-11.61	5.22e-03	-4.59e-03	-4.54e-04	8.29
		-3.11	-4.54e-04	2.35e-06	0.0	56.3	-2.31	-28.89	5.22e-03	-4.59e-03	2.49e-03	-3.11
409	102	5.23	1.92e-03	2.61e-04	-9.42	0.0	-1.61	-8.55	4.15e-03	-4.11e-03	-4.17e-04	5.23
		-2.24	-4.17e-04	1.59e-06	0.0	56.3	-1.61	-17.97	4.15e-03	-4.11e-03	1.92e-03	-2.24
409	105	8.14	2.46e-03	3.90e-04	-17.29	0.0	-2.57	-11.11	5.16e-03	-4.53e-03	-4.46e-04	8.14
		-2.98	-4.46e-04	2.28e-06	0.0	56.3	-2.57	-28.39	5.16e-03	-4.53e-03	2.46e-03	-2.98
409	106	5.28	1.96e-03	2.61e-04	-9.42	0.0	-1.79	-8.50	4.23e-03	-4.12e-03	-4.25e-04	5.28
		-2.16	-4.25e-04	1.65e-06	0.0	56.3	-1.79	-17.92	4.23e-03	-4.12e-03	1.96e-03	-2.16
409	107	8.09	2.42e-03	3.89e-04	-17.29	0.0	-2.27	-11.15	5.08e-03	-4.50e-03	-4.38e-04	8.09
		-3.05	-4.38e-04	2.30e-06	0.0	56.3	-2.27	-28.43	5.08e-03	-4.50e-03	2.42e-03	-3.05
409	108	7.99	-1.92e-03	4.82e-04	-17.29	0.0	-2.98	-14.36	-0.02	-0.03	-1.92e-03	7.99
		-5.53	-0.01	1.82e-04	0.0	56.3	-2.98	-31.65	-0.02	-0.03	-0.01	-5.53
409	111	8.19	0.02	2.96e-04	-17.29	0.0	-1.56	-7.94	0.03	0.02	1.04e-03	8.19
		-0.58	1.04e-03	-1.78e-04	0.0	56.3	-1.56	-25.22	0.03	0.02	0.02	-0.58
409	132	6.37	-2.39e-04	4.23e-04	-17.29	0.0	-3.50	-15.48	-5.92e-03	-3.54e-04	-2.39e-04	6.37
		-7.32	-4.21e-03	1.25e-04	0.0	56.3	-3.50	-32.77	-5.92e-03	-3.54e-04	-4.21e-03	-7.32
409	133	10.04	2.47e-03	4.07e-04	-17.29	0.0	-1.26	-8.05	4.95e-03	-0.02	-1.65e-03	10.04
		0.41	-1.65e-03	-1.14e-06	0.0	56.3	-1.26	-25.33	4.95e-03	-0.02	2.47e-03	0.41
409	136	6.14	-2.81e-04	4.23e-04	-17.29	0.0	-3.53	-15.43	-4.55e-03	0.01	-2.81e-04	6.14
		-7.32	-3.58e-03	1.30e-04	0.0	56.3	-3.53	-32.72	-4.55e-03	0.01	-3.58e-03	-7.32
409	139	10.03	8.42e-03	3.56e-04	-17.29	0.0	-1.01	-6.87	0.01	-0.02	-5.95e-04	10.03
		1.21	-5.95e-04	-1.25e-04	0.0	56.3	-1.01	-24.15	0.01	-0.02	8.42e-03	1.21
409	140	7.98	-2.10e-03	4.94e-04	-17.29	0.0	-3.06	-14.76	-0.02	-0.03	-2.10e-03	7.98
		-5.84	-0.01	2.05e-04	0.0	56.3	-3.06	-32.05	-0.02	-0.03	-0.01	-5.84
409	143	8.20	0.02	2.85e-04	-17.29	0.0	-1.47	-7.53	0.03	0.02	1.22e-03	8.20
		-0.27	1.22e-03	-2.01e-04	0.0	56.3	-1.47	-24.82	0.03	0.02	0.02	-0.27
409	164	6.15	-2.13e-04	4.28e-04	-17.29	0.0	-3.65	-16.02	-7.32e-03	1.59e-04	-2.13e-04	6.15
		-7.86	-5.05e-03	1.41e-04	0.0	56.3	-3.65	-33.31	-7.32e-03	1.59e-04	-5.05e-03	-7.86
409	165	10.29	2.49e-03	4.10e-04	-17.29	0.0	-1.14	-7.66	4.93e-03	-0.02	-1.80e-03	10.29
		0.84	-1.80e-03	-2.01e-06	0.0	56.3	-1.14	-24.94	4.93e-03	-0.02	2.49e-03	0.84
409	168	5.90	-2.63e-04	4.27e-04	-17.29	0.0	-3.68	-15.97	-5.78e-03	0.02	-2.63e-04	5.90
		-7.85	-4.35e-03	1.47e-04	0.0	56.3	-3.68	-33.26	-5.78e-03	0.02	-4.35e-03	-7.85
409	171	10.28	9.19e-03	3.52e-04	-17.29	0.0	-0.85	-6.33	0.02	-0.02	-6.13e-04	10.28
		1.75	-6.13e-04	-1.42e-04	0.0	56.3	-0.85	-23.61	0.02	-0.02	9.19e-03	1.75
409	172	7.95	-1.97e-03	4.88e-04	-17.29	0.0	-3.05	-14.72	-0.02	-0.03	-1.97e-03	7.95
		-5.81	-0.01	2.07e-04	0.0	56.3	-3.05	-32.01	-0.02	-0.03	-0.01	-5.81
409	175	8.23	0.02	2.91e-04	-17.29	0.0	-1.48	-7.57	0.03	0.02	1.09e-03	8.23
		-0.29	1.09e-03	-2.02e-04	0.0	56.3	-1.48	-24.86	0.03	0.02	0.02	-0.29
409	197	10.25	2.51e-03	4.07e-04	-17.29	0.0	-1.15	-7.71	4.93e-03	-0.02	-1.73e-03	10.25
		0.80	-1.73e-03	-4.26e-06	0.0	56.3	-1.15	-24.99	4.93e-03	-0.02	2.51e-03	0.80
409	200	5.93	-2.94e-04	4.26e-04	-17.29	0.0	-3.68	-15.94	-5.65e-03	0.01	-2.94e-04	5.93
		-7.82	-4.39e-03	1.53e-04	0.0	56.3	-3.68	-33.22	-5.65e-03	0.01	-4.39e-03	-7.82
409	203	10.25	9.24e-03	3.52e-04	-17.29	0.0	-0.86	-6.36	0.02	-0.02	-5.82e-04	10.25
		1.72	-5.82e-04	-1.48e-04	0.0	56.3	-0.86	-23.65	0.02	-0.02	9.24e-03	1.72
409	204	7.92	-2.20e-03	5.02e-04	-17.29	0.0	-3.19	-15.33	-0.02	-0.04	-2.20e-03	7.92
		-6.28	-0.01	2.44e-04	0.0	56.3	-3.19	-32.62	-0.02	-0.04	-0.01	-6.28
409	207	8.26	0.02	2.77e-04	-17.29	0.0	-1.35	-6.97	0.03	0.03	1.33e-03	8.26
		0.17	1.33e-03	-2.39e-04	0.0	56.3	-1.35	-24.25	0.03	0.03	0.02	0.17
409	232	5.58	-2.93e-04	4.33e-04	-17.29	0.0	-3.92	-16.76	-7.61e-03	0.02	-2.93e-04	5.58
		-8.63	-5.68e-03	1.85e-04	0.0	56.3	-3.92	-34.05	-7.61e-03	0.02	-5.68e-03	-8.63
409	235	10.60	0.01	3.46e-04	-17.29	0.0	-0.62	-5.53	0.02	-0.03	-5.83e-04	10.60
		2.53	-5.83e-04	-1.80e-04	0.0	56.3	-0.62	-22.82	0.02	-0.03	0.01	2.53
410	19	7.27	-3.22e-04	1.10e-04	-8.55	0.0	0.95	-0.62	-6.00e-05	-3.94e-03	-3.22e-04	7.27
		4.52	-3.56e-04	1.10e-06	0.0	56.3	0.95	-9.17	-6.00e-05	-3.94e-03	-3.56e-04	4.52
410	28	22.79	-5.86e-04	3.10e-04	-32.78	0.0	-3.19	3.09	-1.79e-04	-6.85e-03	-5.86e-04	22.72
		15.23	-6.87e-04	4.05e-06	0.0	56.3	-3.19	-29.69	-1.79e-04	-6.85e-03	-6.87e-04	15.23
410	35	20.82	-6.20e-04	2.88e-04	-26.88	0.0	-3.18	1.11	-2.06e-04	-6.91e-03	-6.20e-04	20.81
		13.87	-7.36e-04	3.77e-06	0.0	56.3	-3.18	-25.78	-2.06e-04	-6.91e-03	-7.36e-04	13.87
410	44	19.85	-5.84e-04	2.74e-04	-26.88	0.0	-4.26	1.80	-2.06e-04	-6.64e-03	-5.84e-04	19.81
		13.26	-7.00e-04	3.50e-06	0.0	56.3	-4.26	-25.08	-2.06e-04	-6.64e-03	-7.00e-04	13.26
410	72	7.97	-3.40e-04	1.18e-04	-9.42	0.0	0.30	-0.50	-7.90e-05	-4.06e-03	-3.40e-04	7.97
		5.03	-3.84e-04	1.36e-06	0.0	56.3	0.30	-9.92	-7.90e-05	-4.06e-03	-3.84e-04	5.03
410	80	15.90	-4.34e-04	2.18e-04	-22.53	0.0	-2.24	1.92	-1.34e-04	-5.06e-03	-4.34e-04	15.86
		10.60	-5.09e-04	2.86e-06	0.0	56.3	-2.24	-20.61	-1.34e-04	-5.06e-03	-5.09e-04	10.60
410	83	14.59	-4.56e-04	2.03e-04	-18.60	0.0	-2.23	0.60	-1.52e-04	-5.10e-03	-4.56e-04	14.59
		9.69	-5.42e-04	2.68e-06	0.0	56.3	-2.23	-18.00	-1.52e-04	-5.10e-03	-5.42e-04	9.69
410	88	13.94	-4.32e-04	1.94e-04	-18.60	0.0	-2.95	1.06	-1.52e-04	-4.92e-03	-4.32e-04	13.92
		9.28	-5.18e-04	2.49e-06	0.0	56.3	-2.95	-17.53	-1.52e-04	-4.92e-03	-5.18e-04	9.28
410	98	12.97	-3.81e-04	1.80e-04	-18.60	0.0	-1.05	1.53	-1.04e-04	-4.56e-03	-3.81e-04	12.93
		8.56	-4.40e-04	2.46e-06	0.0	56.3	-1.05	-17.07	-1.04e-04	-4.56e-03	-4.40e-04	8.56
410	101	12.58	-3.91e-04	1.76e-04	-17.29	0.0	-1.05	1.05	-1.11e-04	-4.59e-03	-3.91e-04	12.56

		8.29	-4.54e-04	2.41e-06	0.0	56.3	-1.05	-16.23	-1.11e-04	-4.59e-03	-4.54e-04	8.29
410	102	8.16	-3.56e-04	1.20e-04	-9.42	0.0	-0.71	-0.48	-1.07e-04	-4.11e-03	-3.56e-04	8.16
		5.23	-4.17e-04	1.64e-06	0.0	56.3	-0.71	-9.90	-1.07e-04	-4.11e-03	-4.17e-04	5.23
410	105	12.33	-3.82e-04	1.72e-04	-17.29	0.0	-1.41	1.24	-1.13e-04	-4.53e-03	-3.82e-04	12.30
		8.14	-4.46e-04	2.33e-06	0.0	56.3	-1.41	-16.05	-1.13e-04	-4.53e-03	-4.46e-04	8.14
410	106	8.20	-3.60e-04	1.21e-04	-9.42	0.0	-0.96	-0.48	-1.14e-04	-4.12e-03	-3.60e-04	8.20
		5.28	-4.25e-04	1.71e-06	0.0	56.3	-0.96	-9.90	-1.14e-04	-4.12e-03	-4.25e-04	5.28
410	107	12.28	-3.78e-04	1.72e-04	-17.29	0.0	-1.04	1.24	-1.06e-04	-4.50e-03	-3.78e-04	12.26
		8.09	-4.38e-04	2.35e-06	0.0	56.3	-1.04	-16.05	-1.06e-04	-4.50e-03	-4.38e-04	8.09
410	113	13.36	-2.34e-03	1.86e-04	-17.29	0.0	-1.12	0.58	5.43e-03	-0.03	-5.25e-03	13.34
		9.03	-5.25e-03	1.81e-04	0.0	56.3	-1.12	-16.71	5.43e-03	-0.03	-2.34e-03	9.03
410	114	11.21	4.49e-03	1.58e-04	-17.29	0.0	-0.95	1.90	-5.64e-03	0.02	4.49e-03	11.17
		7.15	1.47e-03	-1.76e-04	0.0	56.3	-0.95	-15.38	-5.64e-03	0.02	1.47e-03	7.15
410	132	10.64	1.38e-04	1.63e-04	-17.29	0.0	1.38	0.44	4.04e-03	-3.54e-04	1.38e-04	10.63
		6.37	-2.39e-04	1.23e-04	0.0	56.3	1.38	-16.84	4.04e-03	-3.54e-04	-2.39e-04	6.37
410	133	14.24	-1.65e-03	1.87e-04	-17.29	0.0	-3.10	1.54	-5.19e-04	-0.02	-3.49e-03	14.22
		10.04	-3.49e-03	0.0	0.0	56.3	-3.10	-15.75	-5.19e-04	-0.02	-1.65e-03	10.04
410	134	10.32	2.73e-03	1.57e-04	-17.29	0.0	1.03	0.94	3.08e-04	0.01	2.73e-03	10.30
		6.14	7.76e-04	5.10e-06	0.0	56.3	1.03	-16.35	3.08e-04	0.01	7.76e-04	6.14
410	135	13.92	-6.37e-04	1.81e-04	-17.29	0.0	-3.45	2.04	-4.25e-03	-8.65e-03	-8.95e-04	13.89
		9.81	-8.95e-04	-1.19e-04	0.0	56.3	-3.45	-15.25	-4.25e-03	-8.65e-03	-6.37e-04	9.81
410	145	13.49	-2.57e-03	1.87e-04	-17.29	0.0	-1.13	0.49	6.13e-03	-0.03	-5.86e-03	13.47
		9.14	-5.86e-03	2.04e-04	0.0	56.3	-1.13	-16.79	6.13e-03	-0.03	-2.57e-03	9.14
410	146	11.08	5.11e-03	1.56e-04	-17.29	0.0	-0.94	1.99	-6.34e-03	0.02	5.11e-03	11.04
		7.04	1.69e-03	-1.99e-04	0.0	56.3	-0.94	-15.30	-6.34e-03	0.02	1.69e-03	7.04
410	164	10.44	2.04e-04	1.62e-04	-17.29	0.0	1.68	0.35	4.56e-03	1.59e-04	2.04e-04	10.42
		6.15	-2.13e-04	1.39e-04	0.0	56.3	1.68	-16.94	4.56e-03	1.59e-04	-2.13e-04	6.15
410	165	14.48	-1.80e-03	1.89e-04	-17.29	0.0	-3.36	1.57	-5.72e-04	-0.02	-3.88e-03	14.46
		10.29	-3.88e-03	-1.18e-06	0.0	56.3	-3.36	-15.71	-5.72e-04	-0.02	-1.80e-03	10.29
410	166	10.08	3.13e-03	1.55e-04	-17.29	0.0	1.28	0.91	3.60e-04	0.02	3.13e-03	10.06
		5.89	9.23e-04	5.89e-06	0.0	56.3	1.28	-16.38	3.60e-04	0.02	9.23e-04	5.89
410	167	14.12	-6.63e-04	1.82e-04	-17.29	0.0	-3.76	2.13	-4.77e-03	-9.16e-03	-9.61e-04	14.09
		10.03	-9.61e-04	-1.35e-04	0.0	56.3	-3.76	-15.15	-4.77e-03	-9.16e-03	-6.63e-04	10.03
410	185	13.22	-2.72e-03	1.77e-04	-17.29	0.0	-1.22	0.61	4.98e-03	0.02	-5.90e-03	13.22
		8.31	-5.90e-03	2.34e-04	0.0	56.3	-1.22	-16.68	4.98e-03	0.02	-2.72e-03	8.31
410	186	11.40	5.14e-03	1.67e-04	-17.29	0.0	-0.86	1.87	-5.19e-03	-0.02	5.14e-03	11.29
		7.87	1.84e-03	-2.29e-04	0.0	56.3	-0.86	-15.41	-5.19e-03	-0.02	1.84e-03	7.87
410	196	10.46	2.04e-04	1.63e-04	-17.29	0.0	1.65	0.39	4.53e-03	1.68e-04	2.04e-04	10.44
		6.17	-2.05e-04	1.43e-04	0.0	56.3	1.65	-16.89	4.53e-03	1.68e-04	-2.05e-04	6.17
410	197	14.43	-1.73e-03	1.88e-04	-17.29	0.0	-3.33	1.53	-5.76e-04	-0.02	-3.88e-03	14.41
		10.25	-3.88e-03	-3.47e-06	0.0	56.3	-3.33	-15.75	-5.76e-04	-0.02	-1.73e-03	10.25
410	198	10.13	3.13e-03	1.56e-04	-17.29	0.0	1.25	0.95	3.64e-04	0.01	3.13e-03	10.11
		5.93	8.49e-04	8.18e-06	0.0	56.3	1.25	-16.34	3.64e-04	0.01	8.49e-04	5.93
410	199	14.10	-6.71e-04	1.81e-04	-17.29	0.0	-3.72	2.09	-4.74e-03	-9.17e-03	-9.61e-04	14.07
		10.01	-9.61e-04	-1.39e-04	0.0	56.3	-3.72	-15.20	-4.74e-03	-9.17e-03	-6.71e-04	10.01
410	217	13.37	-3.16e-03	1.77e-04	-17.29	0.0	-1.23	0.47	6.02e-03	0.02	-7.03e-03	13.37
		8.34	-7.03e-03	2.84e-04	0.0	56.3	-1.23	-16.82	6.02e-03	0.02	-3.16e-03	8.34
410	218	11.27	6.27e-03	1.67e-04	-17.29	0.0	-0.85	2.01	-6.23e-03	-0.03	6.27e-03	11.14
		7.84	2.29e-03	-2.79e-04	0.0	56.3	-0.85	-15.27	-6.23e-03	-0.03	2.29e-03	7.84
410	228	10.16	3.03e-04	1.61e-04	-17.29	0.0	2.09	0.24	5.32e-03	1.08e-03	3.03e-04	10.15
		5.85	-1.65e-04	1.71e-04	0.0	56.3	2.09	-17.04	5.32e-03	1.08e-03	-1.65e-04	5.85
410	229	14.78	-1.93e-03	1.90e-04	-17.29	0.0	-3.71	1.58	-6.59e-04	-0.03	-4.50e-03	14.75
		10.60	-4.50e-03	-6.40e-06	0.0	56.3	-3.71	-15.71	-6.59e-04	-0.03	-1.93e-03	10.60
410	231	14.40	-7.11e-04	1.82e-04	-17.29	0.0	-4.16	2.23	-5.53e-03	-0.01	-1.06e-03	14.37
		10.33	-1.06e-03	-1.66e-04	0.0	56.3	-4.16	-15.05	-5.53e-03	-0.01	-7.11e-04	10.33
410	232	10.08	2.45e-04	1.58e-04	-17.29	0.0	2.06	0.28	4.99e-03	0.02	2.45e-04	10.08
		5.58	-2.93e-04	1.83e-04	0.0	56.3	2.06	-17.00	4.99e-03	0.02	-2.93e-04	5.58
411	19	8.03	-3.22e-04	-2.72e-05	-8.55	0.0	1.05	3.75	2.89e-03	-3.94e-03	-1.95e-03	7.57
		7.27	-1.95e-03	1.13e-06	0.0	56.3	1.05	-4.80	2.89e-03	-3.94e-03	-3.22e-04	7.27
411	28	24.94	-5.86e-04	-1.14e-04	-32.78	0.0	-2.67	16.71	6.70e-03	-6.85e-03	-4.36e-03	22.54
		22.54	-4.36e-03	4.11e-06	0.0	56.3	-2.67	-16.07	6.70e-03	-6.85e-03	-5.86e-04	22.72
411	44	21.70	-5.84e-04	-9.30e-05	-26.88	0.0	-3.69	13.46	6.25e-03	-6.64e-03	-4.11e-03	19.80
		19.80	-4.11e-03	3.56e-06	0.0	56.3	-3.69	-13.42	6.25e-03	-6.64e-03	-5.84e-04	19.81
411	72	8.77	-3.40e-04	-3.05e-05	-9.42	0.0	0.45	4.23	3.09e-03	-4.06e-03	-2.08e-03	8.24
		7.97	-2.08e-03	1.40e-06	0.0	56.3	0.45	-5.20	3.09e-03	-4.06e-03	-3.40e-04	7.97
411	80	17.41	-4.34e-04	-7.77e-05	-22.53	0.0	-1.87	11.39	4.81e-03	-5.06e-03	-3.14e-03	15.78
		15.78	-3.14e-03	2.91e-06	0.0	56.3	-1.87	-11.14	4.81e-03	-5.06e-03	-4.34e-04	15.86
411	88	15.25	-4.32e-04	-6.38e-05	-18.60	0.0	-2.55	9.23	4.52e-03	-4.92e-03	-2.98e-03	13.96
		13.92	-2.98e-03	2.54e-06	0.0	56.3	-2.55	-9.37	4.52e-03	-4.92e-03	-4.32e-04	13.92
411	98	14.25	-3.81e-04	-6.24e-05	-18.60	0.0	-0.78	9.28	4.08e-03	-4.56e-03	-2.68e-03	12.94
		12.93	-2.68e-03	2.50e-06	0.0	56.3	-0.78	-9.31	4.08e-03	-4.56e-03	-3.81e-04	12.93
411	101	13.81	-3.91e-04	-5.84e-05	-17.29	0.0	-0.78	8.54	4.08e-03	-4.59e-03	-2.69e-03	12.62
		12.56	-2.69e-03	2.45e-06	0.0	56.3	-0.78	-8.75	4.08e-03	-4.59e-03	-3.91e-04	12.56
411	102	8.96	-3.56e-04	-3.05e-05	-9.42	0.0	-0.49	4.23	3.22e-03	-4.11e-03	-2.17e-03	8.43
		8.16	-2.17e-03	1.68e-06	0.0	56.3	-0.49	-5.19	3.22e-03	-4.11e-03	-3.56e-04	8.16

411	105	13.54	-3.82e-04	-5.77e-05	-17.29	0.0	-1.12	8.56	3.99e-03	-4.53e-03	-2.63e-03	12.35
		12.30	-2.63e-03	2.37e-06	0.0	56.3	-1.12	-8.73	3.99e-03	-4.53e-03	-3.82e-04	12.30
411	106	9.01	-3.60e-04	-3.05e-05	-9.42	0.0	-0.72	4.23	3.25e-03	-4.12e-03	-2.19e-03	8.47
		8.20	-2.19e-03	1.75e-06	0.0	56.3	-0.72	-5.19	3.25e-03	-4.12e-03	-3.60e-04	8.20
411	107	13.50	-3.78e-04	-5.78e-05	-17.29	0.0	-0.77	8.56	3.96e-03	-4.50e-03	-2.61e-03	12.30
		12.26	-2.61e-03	2.40e-06	0.0	56.3	-0.77	-8.73	3.96e-03	-4.50e-03	-3.78e-04	12.26
411	113	14.80	-4.86e-03	-5.34e-05	-17.29	0.0	-0.84	7.97	-7.54e-04	-0.03	-4.86e-03	13.81
		13.34	-5.25e-03	1.80e-04	0.0	56.3	-0.84	-9.31	-7.54e-04	-0.03	-5.25e-03	13.34
411	114	12.21	4.49e-03	-6.29e-05	-17.29	0.0	-0.70	9.15	8.67e-03	0.02	-3.53e-04	10.80
		10.80	-3.53e-04	-1.76e-04	0.0	56.3	-0.70	-8.14	8.67e-03	0.02	4.49e-03	11.17
411	132	11.78	1.38e-04	-5.44e-05	-17.29	0.0	4.14	7.72	7.20e-04	-3.54e-04	-2.07e-03	10.51
		10.51	-2.07e-03	1.22e-04	0.0	56.3	4.14	-9.56	7.20e-04	-3.54e-04	1.38e-04	10.63
411	133	15.65	-3.49e-03	-5.81e-05	-17.29	0.0	-4.91	8.94	4.07e-03	-0.02	-4.30e-03	14.63
		14.22	-4.30e-03	0.0	0.0	56.3	-4.91	-8.35	4.07e-03	-0.02	-3.49e-03	14.22
411	134	11.36	2.73e-03	-5.78e-05	-17.29	0.0	3.37	8.18	3.85e-03	0.01	-9.16e-04	9.98
		9.98	-9.16e-04	4.41e-06	0.0	56.3	3.37	-9.10	3.85e-03	0.01	2.73e-03	10.30
411	135	15.21	-8.95e-04	-6.12e-05	-17.29	0.0	-5.68	9.40	7.19e-03	-8.65e-03	-3.15e-03	14.10
		13.89	-3.15e-03	-1.17e-04	0.0	56.3	-5.68	-7.89	7.19e-03	-8.65e-03	-8.95e-04	13.89
411	145	14.96	-5.13e-03	-5.28e-05	-17.29	0.0	-0.85	7.90	-1.35e-03	-0.03	-5.13e-03	14.00
		13.47	-5.86e-03	2.03e-04	0.0	56.3	-0.85	-9.39	-1.35e-03	-0.03	-5.86e-03	13.47
411	146	12.05	5.11e-03	-6.36e-05	-17.29	0.0	-0.69	9.22	9.26e-03	0.02	-7.88e-05	10.61
		10.61	-7.88e-05	-1.98e-04	0.0	56.3	-0.69	-8.06	9.26e-03	0.02	5.11e-03	11.04
411	164	11.57	2.04e-04	-5.39e-05	-17.29	0.0	4.76	7.62	3.07e-04	1.59e-04	-2.00e-03	10.29
		10.29	-2.00e-03	1.38e-04	0.0	56.3	4.76	-9.66	3.07e-04	1.59e-04	2.04e-04	10.42
411	165	15.91	-3.88e-03	-5.82e-05	-17.29	0.0	-5.43	8.98	4.08e-03	-0.02	-4.50e-03	14.92
		14.46	-4.50e-03	0.0	0.0	56.3	-5.43	-8.31	4.08e-03	-0.02	-3.88e-03	14.46
411	166	11.09	3.13e-03	-5.77e-05	-17.29	0.0	3.89	8.14	3.83e-03	0.02	-7.08e-04	9.69
		9.69	-7.08e-04	5.12e-06	0.0	56.3	3.89	-9.14	3.83e-03	0.02	3.13e-03	10.06
411	167	15.42	-9.61e-04	-6.16e-05	-17.29	0.0	-6.30	9.50	7.61e-03	-9.16e-03	-3.21e-03	14.32
		14.09	-3.21e-03	-1.33e-04	0.0	56.3	-6.30	-7.79	7.61e-03	-9.16e-03	-9.61e-04	14.09
411	185	14.67	-5.14e-03	-5.53e-05	-17.29	0.0	-0.86	8.03	-8.21e-04	0.02	-5.14e-03	13.67
		13.22	-5.90e-03	2.34e-04	0.0	56.3	-0.86	-9.26	-8.21e-04	0.02	-5.90e-03	13.22
411	186	12.34	5.14e-03	-6.07e-05	-17.29	0.0	-0.68	9.09	8.73e-03	-0.02	-7.30e-05	10.94
		10.94	-7.30e-05	-2.29e-04	0.0	56.3	-0.68	-8.19	8.73e-03	-0.02	5.14e-03	11.29
411	196	11.60	2.04e-04	-5.36e-05	-17.29	0.0	4.70	7.67	3.09e-04	1.68e-04	-2.00e-03	10.33
		10.33	-2.00e-03	1.42e-04	0.0	56.3	4.70	-9.62	3.09e-04	1.68e-04	2.04e-04	10.44
411	197	15.85	-3.88e-03	-5.84e-05	-17.29	0.0	-5.37	8.94	4.11e-03	-0.02	-4.45e-03	14.85
		14.41	-4.45e-03	-2.66e-06	0.0	56.3	-5.37	-8.35	4.11e-03	-0.02	-3.88e-03	14.41
411	198	11.15	3.13e-03	-5.75e-05	-17.29	0.0	3.83	8.18	3.80e-03	0.01	-7.67e-04	9.76
		9.76	-7.67e-04	7.45e-06	0.0	56.3	3.83	-9.10	3.80e-03	0.01	3.13e-03	10.11
411	199	15.39	-9.61e-04	-6.21e-05	-17.29	0.0	-6.24	9.45	7.60e-03	-9.17e-03	-3.21e-03	14.28
		14.07	-3.21e-03	-1.37e-04	0.0	56.3	-6.24	-7.83	7.60e-03	-9.17e-03	-9.61e-04	14.07
411	217	14.87	-5.64e-03	-5.48e-05	-17.29	0.0	-0.82	7.91	-1.80e-03	0.02	-5.64e-03	13.90
		13.37	-7.03e-03	2.84e-04	0.0	56.3	-0.82	-9.38	-1.80e-03	0.02	-7.03e-03	13.37
411	218	12.15	6.27e-03	-6.13e-05	-17.29	0.0	-0.73	9.21	9.72e-03	-0.03	4.26e-04	10.71
		10.71	4.26e-04	-2.79e-04	0.0	56.3	-0.73	-8.07	9.72e-03	-0.03	6.27e-03	11.14
411	229	16.24	-4.50e-03	-5.85e-05	-17.29	0.0	-6.13	8.99	4.16e-03	-0.03	-4.75e-03	15.26
		14.75	-4.75e-03	-5.47e-06	0.0	56.3	-6.13	-8.29	4.16e-03	-0.03	-4.50e-03	14.75
411	230	10.78	3.74e-03	-5.75e-05	-17.29	0.0	4.59	8.13	3.75e-03	0.02	-4.66e-04	9.35
		9.35	-4.66e-04	1.03e-05	0.0	56.3	4.59	-9.16	3.75e-03	0.02	3.74e-03	9.76
411	232	11.22	2.45e-04	-5.38e-05	-17.29	0.0	5.61	7.56	-2.26e-04	0.02	-1.97e-03	9.92
		9.92	-1.97e-03	1.82e-04	0.0	56.3	5.61	-9.72	-2.26e-04	0.02	2.45e-04	10.08
411	235	15.78	-1.00e-03	-6.18e-05	-17.29	0.0	-7.15	9.56	8.14e-03	-0.03	-3.25e-03	14.68
		14.43	-3.25e-03	-1.77e-04	0.0	56.3	-7.15	-7.73	8.14e-03	-0.03	-1.00e-03	14.43
412	19	7.57	1.64e-04	-1.60e-04	-8.55	0.0	0.97	10.65	-3.75e-03	-3.94e-03	1.64e-04	3.98
		3.98	-1.95e-03	1.36e-06	0.0	56.3	0.97	2.10	-3.75e-03	-3.94e-03	-1.95e-03	7.57
412	28	22.54	-1.09e-03	-5.43e-04	-32.78	0.0	-5.86	39.72	-5.80e-03	-6.85e-03	-1.09e-03	9.40
		9.40	-4.36e-03	4.63e-06	0.0	56.3	-5.86	6.94	-5.80e-03	-6.85e-03	-4.36e-03	22.54
412	44	19.80	-1.13e-03	-4.68e-04	-26.88	0.0	-6.84	33.56	-5.28e-03	-6.64e-03	-1.13e-03	8.47
		8.47	-4.11e-03	4.05e-06	0.0	56.3	-6.84	6.68	-5.28e-03	-6.64e-03	-4.11e-03	19.80
412	45	8.26	-4.85e-04	-1.78e-04	-8.55	0.0	-5.06	11.90	-3.15e-03	-4.24e-03	-4.85e-04	3.96
		3.96	-2.26e-03	1.76e-06	0.0	56.3	-5.06	3.35	-3.15e-03	-4.24e-03	-2.26e-03	8.26
412	72	8.24	8.79e-06	-1.77e-04	-9.42	0.0	0.03	11.91	-3.71e-03	-4.06e-03	8.79e-06	4.19
		4.19	-2.08e-03	1.65e-06	0.0	56.3	0.03	2.49	-3.71e-03	-4.06e-03	-2.08e-03	8.24
412	80	15.78	-7.27e-04	-3.77e-04	-22.53	0.0	-4.08	27.42	-4.29e-03	-5.06e-03	-7.27e-04	6.69
		6.69	-3.14e-03	3.28e-06	0.0	56.3	-4.08	4.89	-4.29e-03	-5.06e-03	-3.14e-03	15.78
412	85	8.70	-4.24e-04	-1.89e-04	-9.42	0.0	-3.99	12.74	-3.31e-03	-4.25e-03	-4.24e-04	4.18
		4.18	-2.29e-03	1.91e-06	0.0	56.3	-3.99	3.32	-3.31e-03	-4.25e-03	-2.29e-03	8.70
412	88	13.96	-7.53e-04	-3.27e-04	-18.60	0.0	-4.73	23.32	-3.95e-03	-4.92e-03	-7.53e-04	6.07
		6.07	-2.98e-03	2.89e-06	0.0	56.3	-4.73	4.72	-3.95e-03	-4.92e-03	-2.98e-03	13.96
412	98	12.94	-3.48e-04	-3.05e-04	-18.60	0.0	-2.32	22.29	-4.13e-03	-4.56e-03	-3.48e-04	5.63
		5.63	-2.68e-03	2.82e-06	0.0	56.3	-2.32	3.70	-4.13e-03	-4.56e-03	-2.68e-03	12.94
412	101	12.62	-4.06e-04	-2.94e-04	-17.29	0.0	-2.26	21.11	-4.05e-03	-4.59e-03	-4.06e-04	5.60
		5.60	-2.69e-03	2.77e-06	0.0	56.3	-2.26	3.83	-4.05e-03	-4.59e-03	-2.69e-03	12.62
412	102	8.43	-1.68e-04	-1.82e-04	-9.42	0.0	-1.34	12.24	-3.55e-03	-4.11e-03	-1.68e-04	4.19

		4.19	-2.17e-03	1.94e-06	0.0	56.3	-1.34	2.82	-3.55e-03	-4.11e-03	-2.17e-03	8.43
412	104	8.52	-2.55e-04	-1.85e-04	-9.42	0.0	-2.14	12.41	-3.47e-03	-4.15e-03	-2.55e-04	4.19
		4.19	-2.21e-03	1.99e-06	0.0	56.3	-2.14	2.99	-3.47e-03	-4.15e-03	-2.21e-03	8.52
412	105	12.35	-3.71e-04	-2.89e-04	-17.29	0.0	-2.69	20.95	-4.01e-03	-4.53e-03	-3.71e-04	5.42
		5.42	-2.63e-03	2.69e-06	0.0	56.3	-2.69	3.67	-4.01e-03	-4.53e-03	-2.63e-03	12.35
412	106	8.47	-2.12e-04	-1.83e-04	-9.42	0.0	-1.68	12.32	-3.51e-03	-4.12e-03	-2.12e-04	4.19
		4.19	-2.19e-03	2.01e-06	0.0	56.3	-1.68	2.90	-3.51e-03	-4.12e-03	-2.19e-03	8.47
412	107	12.30	-3.29e-04	-2.88e-04	-17.29	0.0	-2.23	20.87	-4.05e-03	-4.50e-03	-3.29e-04	5.42
		5.42	-2.61e-03	2.70e-06	0.0	56.3	-2.23	3.58	-4.05e-03	-4.50e-03	-2.61e-03	12.30
412	113	13.81	-4.86e-03	-3.10e-04	-17.29	0.0	-2.43	21.14	0.14	-0.03	-0.09	6.30
		6.30	-0.09	1.80e-04	0.0	56.3	-2.43	3.86	0.14	-0.03	-4.86e-03	13.81
412	114	10.80	0.08	-2.66e-04	-17.29	0.0	-2.02	20.60	-0.15	0.02	0.08	4.54
		4.54	-3.53e-04	-1.74e-04	0.0	56.3	-2.02	3.31	-0.15	0.02	-3.53e-04	10.80
412	127	13.50	-2.86e-03	-3.53e-04	-17.29	0.0	-11.50	25.80	3.76e-03	0.01	-4.45e-03	3.65
		3.65	-4.45e-03	1.36e-06	0.0	56.3	-11.50	8.51	3.76e-03	0.01	-2.86e-03	13.50
412	132	10.61	8.14e-03	-2.15e-04	-17.29	0.0	7.54	15.53	-0.02	-3.54e-04	8.14e-03	7.04
		7.04	-2.07e-03	1.21e-04	0.0	56.3	7.54	-1.75	-0.02	-3.54e-04	-2.07e-03	10.51
412	133	14.63	-4.30e-03	-3.61e-04	-17.29	0.0	-10.49	25.48	0.09	-0.02	-0.05	4.56
		4.56	-0.05	1.49e-06	0.0	56.3	-10.49	8.19	0.09	-0.02	-4.30e-03	14.63
412	135	14.10	-3.15e-03	-3.60e-04	-17.29	0.0	-11.99	26.21	1.00e-02	-8.65e-03	-8.80e-03	3.81
		3.81	-8.80e-03	-1.15e-04	0.0	56.3	-11.99	8.92	1.00e-02	-8.65e-03	-3.15e-03	14.10
412	145	14.00	-5.13e-03	-3.13e-04	-17.29	0.0	-2.46	21.18	0.16	-0.03	-0.10	6.42
		6.42	-0.10	2.02e-04	0.0	56.3	-2.46	3.89	0.16	-0.03	-5.13e-03	14.00
412	146	10.61	0.10	-2.63e-04	-17.29	0.0	-2.00	20.56	-0.17	0.02	0.10	4.42
		4.42	-7.88e-05	-1.97e-04	0.0	56.3	-2.00	3.28	-0.17	0.02	-7.88e-05	10.61
412	159	13.64	-2.89e-03	-3.61e-04	-17.29	0.0	-12.65	26.41	4.76e-03	0.02	-4.98e-03	3.44
		3.44	-4.98e-03	1.64e-06	0.0	56.3	-12.65	9.13	4.76e-03	0.02	-2.89e-03	13.64
412	164	10.46	9.20e-03	-2.06e-04	-17.29	0.0	8.76	14.86	-0.02	1.59e-04	9.20e-03	7.23
		7.23	-2.00e-03	1.36e-04	0.0	56.3	8.76	-2.42	-0.02	1.59e-04	-2.00e-03	10.29
412	165	14.92	-4.50e-03	-3.70e-04	-17.29	0.0	-11.52	26.05	0.10	-0.02	-0.06	4.46
		4.46	-0.06	0.0	0.0	56.3	-11.52	8.77	0.10	-0.02	-4.50e-03	14.92
412	167	14.32	-3.21e-03	-3.69e-04	-17.29	0.0	-13.21	26.88	0.01	-9.16e-03	-9.85e-03	3.61
		3.61	-9.85e-03	-1.31e-04	0.0	56.3	-13.21	9.59	0.01	-9.16e-03	-3.21e-03	14.32
412	177	13.94	-5.03e-03	-3.11e-04	-17.29	0.0	-2.44	21.19	0.16	-0.03	-0.10	6.44
		6.44	-0.10	2.04e-04	0.0	56.3	-2.44	3.90	0.16	-0.03	-5.03e-03	13.94
412	178	10.67	0.09	-2.65e-04	-17.29	0.0	-2.01	20.55	-0.17	0.02	0.09	4.40
		4.40	-1.85e-04	-1.99e-04	0.0	56.3	-2.01	3.26	-0.17	0.02	-1.85e-04	10.67
412	191	13.61	-2.90e-03	-3.61e-04	-17.29	0.0	-12.46	26.30	4.73e-03	0.01	-4.99e-03	3.49
		3.49	-4.99e-03	4.03e-06	0.0	56.3	-12.46	9.02	4.73e-03	0.01	-2.90e-03	13.61
412	197	14.85	-4.45e-03	-3.69e-04	-17.29	0.0	-11.42	26.00	0.10	-0.02	-0.06	4.52
		4.52	-0.06	-1.49e-06	0.0	56.3	-11.42	8.71	0.10	-0.02	-4.45e-03	14.85
412	200	10.41	0.01	-2.05e-04	-17.29	0.0	8.66	14.90	-0.03	0.01	0.01	7.14
		7.14	-2.03e-03	1.49e-04	0.0	56.3	8.66	-2.38	-0.03	0.01	-2.03e-03	10.25
412	203	14.36	-3.18e-03	-3.70e-04	-17.29	0.0	-13.11	26.83	0.02	-0.02	-0.01	3.71
		3.71	-0.01	-1.44e-04	0.0	56.3	-13.11	9.55	0.02	-0.02	-3.18e-03	14.36
412	209	14.20	-5.43e-03	-3.14e-04	-17.29	0.0	-2.46	21.24	0.19	-0.04	-0.11	6.62
		6.62	-0.11	2.41e-04	0.0	56.3	-2.46	3.95	0.19	-0.04	-5.43e-03	14.20
412	210	10.40	0.11	-2.62e-04	-17.29	0.0	-1.99	20.50	-0.20	0.03	0.11	4.22
		4.22	2.18e-04	-2.35e-04	0.0	56.3	-1.99	3.21	-0.20	0.03	2.18e-04	10.40
412	223	13.83	-2.97e-03	-3.73e-04	-17.29	0.0	-14.11	27.17	6.25e-03	0.02	-5.83e-03	3.18
		3.18	-5.83e-03	6.21e-06	0.0	56.3	-14.11	9.89	6.25e-03	0.02	-2.97e-03	13.83
412	229	15.26	-4.75e-03	-3.82e-04	-17.29	0.0	-12.93	26.84	0.12	-0.03	-0.07	4.37
		4.37	-0.07	-4.16e-06	0.0	56.3	-12.93	9.56	0.12	-0.03	-4.75e-03	15.26
412	232	10.22	0.01	-1.91e-04	-17.29	0.0	10.49	13.91	-0.03	0.02	0.01	7.44
		7.44	-1.97e-03	1.81e-04	0.0	56.3	10.49	-3.38	-0.03	0.02	-1.97e-03	9.92
412	235	14.68	-3.25e-03	-3.85e-04	-17.29	0.0	-14.94	27.83	0.02	-0.03	-0.02	3.40
		3.40	-0.02	-1.75e-04	0.0	56.3	-14.94	10.55	0.02	-0.03	-3.25e-03	14.68
413	19	3.98	0.04	-1.48e-04	-7.21	0.0	2.00	7.29	-0.08	3.24e-04	0.04	2.23
		2.23	-3.95e-04	1.48e-06	0.0	47.5	2.00	0.08	-0.08	3.24e-04	-3.95e-04	3.98
413	28	10.00	0.09	-3.92e-04	-27.66	0.0	-4.94	19.32	-0.20	2.18e-04	0.09	6.80
		6.80	-2.16e-03	4.80e-06	0.0	47.5	-4.94	-8.34	-0.20	2.18e-04	-2.16e-03	9.40
413	35	9.65	0.09	-3.55e-04	-22.68	0.0	-4.70	15.78	-0.19	2.48e-04	0.09	7.05
		7.05	-2.33e-03	4.57e-06	0.0	47.5	-4.70	-6.90	-0.19	2.48e-04	-2.33e-03	9.15
413	44	9.12	0.08	-3.30e-04	-22.68	0.0	-6.20	14.82	-0.18	8.82e-05	0.08	6.82
		6.82	-2.08e-03	4.26e-06	0.0	47.5	-6.20	-7.86	-0.18	8.82e-05	-2.08e-03	8.47
413	72	4.20	0.04	-1.53e-04	-7.95	0.0	0.94	7.18	-0.09	3.21e-04	0.04	2.67
		2.67	-5.67e-04	1.75e-06	0.0	47.5	0.94	-0.77	-0.09	3.21e-04	-5.67e-04	4.19
413	80	7.10	0.06	-2.74e-04	-19.01	0.0	-3.39	13.28	-0.14	1.86e-04	0.06	4.89
		4.89	-1.50e-03	3.41e-06	0.0	47.5	-3.39	-5.72	-0.14	1.86e-04	-1.50e-03	6.69
413	83	6.86	0.06	-2.49e-04	-15.69	0.0	-3.23	10.93	-0.14	2.05e-04	0.06	5.06
		5.06	-1.61e-03	3.25e-06	0.0	47.5	-3.23	-4.76	-0.14	2.05e-04	-1.61e-03	6.52
413	88	6.51	0.06	-2.32e-04	-15.69	0.0	-4.23	10.28	-0.13	9.92e-05	0.06	4.91
		4.91	-1.45e-03	3.04e-06	0.0	47.5	-4.23	-5.41	-0.13	9.92e-05	-1.45e-03	6.07
413	98	5.88	0.05	-2.30e-04	-15.69	0.0	-1.54	11.56	-0.12	3.05e-04	0.05	3.86
		3.86	-1.06e-03	2.90e-06	0.0	47.5	-1.54	-4.13	-0.12	3.05e-04	-1.06e-03	5.63

413	101	5.84	0.05	-2.23e-04	-14.58	0.0	-1.49	10.78	-0.12	3.13e-04	0.05	3.94
		3.94	-1.11e-03	2.86e-06	0.0	47.5	-1.49	-3.80	-0.12	3.13e-04	-1.11e-03	5.60
413	102	4.29	0.04	-1.45e-04	-7.95	0.0	-0.64	6.11	-0.09	3.13e-04	0.04	3.18
		3.18	-7.40e-04	2.02e-06	0.0	47.5	-0.64	-1.84	-0.09	3.13e-04	-7.40e-04	4.19
413	105	5.69	0.05	-2.15e-04	-14.58	0.0	-1.99	10.47	-0.11	2.61e-04	0.05	3.91
		3.91	-1.05e-03	2.77e-06	0.0	47.5	-1.99	-4.12	-0.11	2.61e-04	-1.05e-03	5.42
413	106	4.32	0.04	-1.43e-04	-7.95	0.0	-1.04	5.84	-0.09	3.11e-04	0.04	3.30
		3.30	-7.83e-04	2.09e-06	0.0	47.5	-1.04	-2.11	-0.09	3.11e-04	-7.83e-04	4.19
413	107	5.66	0.05	-2.18e-04	-14.58	0.0	-1.47	10.74	-0.11	3.06e-04	0.05	3.78
		3.78	-1.02e-03	2.78e-06	0.0	47.5	-1.47	-3.84	-0.11	3.06e-04	-1.02e-03	5.42
413	108	7.09	-0.07	-2.60e-04	-14.58	0.0	4.98	17.83	0.75	-0.02	-0.42	3.25
		3.25	-0.42	1.55e-04	0.0	47.5	4.98	3.24	0.75	-0.02	-0.07	7.09
413	111	4.92	0.52	-1.75e-04	-14.58	0.0	-7.91	3.66	-0.97	0.02	0.52	4.31
		3.75	0.06	-1.49e-04	0.0	47.5	-7.91	-10.92	-0.97	0.02	0.06	3.75
413	133	9.17	0.08	-1.26e-04	-14.58	0.0	-12.46	-0.69	-0.17	2.86e-03	0.08	9.17
		4.56	2.96e-03	2.13e-06	0.0	47.5	-12.46	-15.28	-0.17	2.86e-03	2.96e-03	4.56
413	134	6.28	0.02	-3.09e-04	-14.58	0.0	9.53	22.18	-0.06	-2.25e-03	0.02	-1.60
		-1.60	-5.01e-03	3.44e-06	0.0	47.5	9.53	7.60	-0.06	-2.25e-03	-5.01e-03	6.28
413	136	6.99	-0.04	-3.15e-04	-14.58	0.0	11.39	24.30	0.36	-0.01	-0.21	-1.11
		-1.11	-0.21	1.08e-04	0.0	47.5	11.39	9.71	0.36	-0.01	-0.04	6.99
413	139	8.67	0.31	-1.20e-04	-14.58	0.0	-14.32	-2.81	-0.59	0.01	0.31	8.67
		3.85	0.04	-1.02e-04	0.0	47.5	-14.32	-17.39	-0.59	0.01	0.04	3.85
413	140	7.30	-0.07	-2.66e-04	-14.58	0.0	5.79	18.72	0.85	-0.03	-0.48	3.19
		3.19	-0.48	1.74e-04	0.0	47.5	5.79	4.13	0.85	-0.03	-0.07	7.30
413	143	4.87	0.58	-1.70e-04	-14.58	0.0	-8.72	2.77	-1.08	0.03	0.58	4.38
		3.54	0.07	-1.69e-04	0.0	47.5	-8.72	-11.81	-1.08	0.03	0.07	3.54
413	165	9.84	0.09	-1.15e-04	-14.58	0.0	-13.84	-2.13	-0.18	3.17e-03	0.09	9.84
		4.46	3.48e-03	1.66e-06	0.0	47.5	-13.84	-16.71	-0.18	3.17e-03	3.48e-03	4.46
413	166	6.39	0.02	-3.21e-04	-14.58	0.0	10.90	23.61	-0.05	-2.55e-03	0.02	-2.28
		-2.28	-5.52e-03	3.91e-06	0.0	47.5	10.90	9.03	-0.05	-2.55e-03	-5.52e-03	6.39
413	168	7.18	-0.04	-3.27e-04	-14.58	0.0	13.00	26.00	0.42	-0.02	-0.24	-1.72
		-1.72	-0.24	1.22e-04	0.0	47.5	13.00	11.42	0.42	-0.02	-0.04	7.18
413	171	9.28	0.35	-1.08e-04	-14.58	0.0	-15.94	-4.52	-0.65	0.02	0.35	9.28
		3.66	0.04	-1.16e-04	0.0	47.5	-15.94	-19.10	-0.65	0.02	0.04	3.66
413	172	7.29	-0.07	-2.67e-04	-14.58	0.0	5.68	18.62	0.85	-0.02	-0.48	3.16
		3.16	-0.48	1.76e-04	0.0	47.5	5.68	4.04	0.85	-0.02	-0.07	7.29
413	175	4.90	0.58	-1.68e-04	-14.58	0.0	-8.61	2.87	-1.08	0.02	0.58	4.41
		3.55	0.07	-1.71e-04	0.0	47.5	-8.61	-11.72	-1.08	0.02	0.07	3.55
413	200	7.14	-0.04	-3.28e-04	-14.58	0.0	12.88	25.88	0.43	-0.01	-0.25	-1.65
		-1.65	-0.25	1.28e-04	0.0	47.5	12.88	11.30	0.43	-0.01	-0.04	7.14
413	201	9.74	0.11	-1.13e-04	-14.58	0.0	-13.66	-1.92	-0.21	3.44e-03	0.11	9.74
		4.48	5.86e-03	7.04e-06	0.0	47.5	-13.66	-16.51	-0.21	3.44e-03	5.86e-03	4.48
413	202	6.36	-3.47e-03	-3.22e-04	-14.58	0.0	10.73	23.41	-0.01	-2.83e-03	-3.47e-03	-2.17
		-2.17	-7.90e-03	-1.47e-06	0.0	47.5	10.73	8.83	-0.01	-2.83e-03	-7.90e-03	6.36
413	203	9.21	0.35	-1.07e-04	-14.58	0.0	-15.81	-4.40	-0.65	0.01	0.35	9.21
		3.71	0.04	-1.22e-04	0.0	47.5	-15.81	-18.98	-0.65	0.01	0.04	3.71
413	204	7.61	-0.09	-2.76e-04	-14.58	0.0	6.86	19.93	1.02	-0.03	-0.57	3.03
		3.03	-0.57	2.08e-04	0.0	47.5	6.86	5.35	1.02	-0.03	-0.09	7.61
413	207	4.87	0.67	-1.59e-04	-14.58	0.0	-9.79	1.56	-1.24	0.03	0.67	4.53
		3.23	0.08	-2.02e-04	0.0	47.5	-9.79	-13.03	-1.24	0.03	0.08	3.23
413	232	7.44	-0.05	-3.47e-04	-14.58	0.0	15.28	28.43	0.53	-0.02	-0.30	-2.53
		-2.53	-0.30	1.55e-04	0.0	47.5	15.28	13.85	0.53	-0.02	-0.05	7.44
413	233	10.71	0.11	-9.63e-05	-14.58	0.0	-15.63	-3.97	-0.23	3.81e-03	0.11	10.71
		4.34	6.58e-03	8.27e-06	0.0	47.5	-15.63	-18.55	-0.23	3.81e-03	6.58e-03	4.34
413	234	6.50	-8.62e-03	-3.39e-04	-14.58	0.0	12.70	25.45	-8.21e-04	-3.20e-03	-9.57e-03	-3.15
		-3.15	-9.57e-03	-2.70e-06	0.0	47.5	12.70	10.87	-8.21e-04	-3.20e-03	-8.62e-03	6.50
413	235	10.10	0.40	-8.85e-05	-14.58	0.0	-18.21	-6.95	-0.75	0.02	0.40	10.10
		3.40	0.05	-1.49e-04	0.0	47.5	-18.21	-21.53	-0.75	0.02	0.05	3.40
414	22	3.67	0.07	-6.48e-04	-22.84	0.0	1.53	39.57	0.12	2.64e-03	-5.43e-03	-12.55
		-12.55	-5.43e-03	-3.97e-06	0.0	57.6	1.53	16.73	0.12	2.64e-03	0.07	3.67
414	28	6.80	0.10	-9.81e-04	-33.56	0.0	-1.81	60.28	0.18	3.89e-03	-8.43e-03	-18.27
		-18.27	-8.43e-03	-5.14e-06	0.0	57.6	-1.81	26.71	0.18	3.89e-03	0.10	6.80
414	35	7.05	0.09	-9.24e-04	-27.53	0.0	-1.79	55.12	0.18	3.96e-03	-8.41e-03	-16.80
		-16.80	-8.41e-03	-5.11e-06	0.0	57.6	-1.79	27.60	0.18	3.96e-03	0.09	7.05
414	41	5.38	0.06	-5.57e-04	-13.44	0.0	-2.93	32.41	0.12	3.15e-03	-5.47e-03	-9.44
		-9.44	-5.47e-03	-3.73e-06	0.0	57.6	-2.93	18.98	0.12	3.15e-03	0.06	5.38
414	75	3.63	0.06	-5.75e-04	-19.04	0.0	0.94	34.76	0.11	2.57e-03	-4.98e-03	-10.92
		-10.92	-4.98e-03	-3.55e-06	0.0	57.6	0.94	15.72	0.11	2.57e-03	0.06	3.63
414	80	4.89	0.07	-6.90e-04	-23.07	0.0	-1.24	42.18	0.13	2.87e-03	-5.99e-03	-12.77
		-12.77	-5.99e-03	-3.70e-06	0.0	57.6	-1.24	19.11	0.13	2.87e-03	0.07	4.89
414	83	5.06	0.07	-6.52e-04	-19.04	0.0	-1.22	38.75	0.13	2.92e-03	-5.97e-03	-11.79
		-11.79	-5.97e-03	-3.68e-06	0.0	57.6	-1.22	19.70	0.13	2.92e-03	0.07	5.06
414	85	3.94	0.05	-4.07e-04	-9.65	0.0	-1.98	23.60	0.09	2.38e-03	-4.01e-03	-6.88
		-6.88	-4.01e-03	-2.76e-06	0.0	57.6	-1.98	13.96	0.09	2.38e-03	0.05	3.94
414	98	3.86	0.06	-5.61e-04	-19.04	0.0	-0.21	34.38	0.11	2.58e-03	-4.84e-03	-10.47

		-10.47	-4.84e-03	-3.10e-06	0.0	57.6	-0.21	15.34	0.11	2.58e-03	0.06	3.86
414	101	3.94	0.06	-5.51e-04	-17.70	0.0	-0.21	33.35	0.11	2.60e-03	-4.87e-03	-10.18
		-10.18	-4.87e-03	-3.10e-06	0.0	57.6	-0.21	15.65	0.11	2.60e-03	0.06	3.94
414	103	3.65	0.06	-5.31e-04	-17.70	0.0	0.01	32.36	0.10	2.51e-03	-4.61e-03	-9.90
		-9.90	-4.61e-03	-3.06e-06	0.0	57.6	0.01	14.67	0.10	2.51e-03	0.06	3.65
414	104	3.43	0.04	-3.88e-04	-9.65	0.0	-0.58	22.50	0.08	2.33e-03	-3.76e-03	-6.76
		-6.76	-3.76e-03	-2.58e-06	0.0	57.6	-0.58	12.86	0.08	2.33e-03	0.04	3.43
414	106	3.30	0.04	-3.83e-04	-9.65	0.0	-0.23	22.23	0.08	2.32e-03	-3.70e-03	-6.73
		-6.73	-3.70e-03	-2.53e-06	0.0	57.6	-0.23	12.58	0.08	2.32e-03	0.04	3.30
414	107	3.78	0.06	-5.36e-04	-17.70	0.0	-0.22	32.64	0.10	2.54e-03	-4.68e-03	-9.93
		-9.93	-4.68e-03	-3.02e-06	0.0	57.6	-0.22	14.94	0.10	2.54e-03	0.06	3.78
414	109	5.97	-0.04	-6.21e-04	-17.70	0.0	-0.25	37.87	-0.55	-0.02	-0.04	-10.98
		-10.98	-0.46	2.72e-04	0.0	57.6	-0.25	20.17	-0.55	-0.02	-0.46	5.97
414	110	1.59	0.57	-4.51e-04	-17.70	0.0	-0.18	27.41	0.76	0.02	0.03	-8.89
		-8.89	0.03	-2.78e-04	0.0	57.6	-0.18	9.71	0.76	0.02	0.57	1.59
414	132	-1.11	-1.00e-03	-3.49e-04	-17.70	0.0	8.14	21.13	-0.40	7.16e-03	-1.00e-03	-8.24
		-8.24	-0.26	1.52e-04	0.0	57.6	8.14	3.43	-0.40	7.16e-03	-0.26	-1.11
414	133	9.17	0.09	-7.44e-04	-17.70	0.0	-7.27	45.44	0.16	-0.02	-0.03	-12.00
		-12.00	-0.03	-6.44e-06	0.0	57.6	-7.27	27.74	0.16	-0.02	0.09	9.17
414	135	8.67	0.37	-7.23e-04	-17.70	0.0	-8.57	44.15	0.61	-2.08e-03	-8.35e-03	-11.63
		-11.63	-8.35e-03	-1.58e-04	0.0	57.6	-8.57	26.45	0.61	-2.08e-03	0.37	8.67
414	141	6.24	-0.05	-6.31e-04	-17.70	0.0	-0.25	38.52	-0.63	-0.02	-0.05	-11.11
		-11.11	-0.52	3.07e-04	0.0	57.6	-0.25	20.82	-0.63	-0.02	-0.52	6.24
414	142	1.32	0.64	-4.40e-04	-17.70	0.0	-0.18	26.76	0.84	0.02	0.04	-8.76
		-8.76	0.04	-3.13e-04	0.0	57.6	-0.18	9.07	0.84	0.02	0.64	1.32
414	164	-1.72	-5.44e-04	-3.26e-04	-17.70	0.0	9.19	19.70	-0.46	7.72e-03	-5.44e-04	-8.03
		-8.03	-0.30	1.72e-04	0.0	57.6	9.19	2.00	-0.46	7.72e-03	-0.30	-1.72
414	165	9.84	0.10	-7.70e-04	-17.70	0.0	-8.16	47.03	0.17	-0.02	-0.03	-12.25
		-12.25	-0.03	-7.36e-06	0.0	57.6	-8.16	29.33	0.17	-0.02	0.10	9.84
414	167	9.28	0.41	-7.46e-04	-17.70	0.0	-9.62	45.59	0.67	-2.64e-03	-8.81e-03	-11.84
		-11.84	-8.81e-03	-1.78e-04	0.0	57.6	-9.62	27.89	0.67	-2.64e-03	0.41	9.28
414	173	6.15	-0.05	-6.27e-04	-17.70	0.0	-0.22	38.25	-0.63	-0.02	-0.05	-11.06
		-11.06	-0.52	3.12e-04	0.0	57.6	-0.22	20.55	-0.63	-0.02	-0.52	6.15
414	174	1.42	0.63	-4.44e-04	-17.70	0.0	-0.21	27.04	0.84	0.02	0.04	-8.81
		-8.81	0.04	-3.18e-04	0.0	57.6	-0.21	9.34	0.84	0.02	0.63	1.42
414	197	9.73	0.10	-7.65e-04	-17.70	0.0	-8.07	46.75	0.17	-0.02	-0.03	-12.20
		-12.20	-0.03	-9.86e-06	0.0	57.6	-8.07	29.05	0.17	-0.02	0.10	9.73
414	200	-1.65	1.16e-03	-3.26e-04	-17.70	0.0	9.11	19.74	-0.42	8.98e-03	1.16e-03	-8.00
		-8.00	-0.27	1.83e-04	0.0	57.6	9.11	2.04	-0.42	8.98e-03	-0.27	-1.65
414	201	9.74	0.12	-7.63e-04	-17.70	0.0	-8.05	46.64	0.21	-0.02	-0.03	-12.14
		-12.14	-0.03	-3.48e-06	0.0	57.6	-8.05	28.94	0.21	-0.02	0.12	9.74
414	203	9.21	0.38	-7.46e-04	-17.70	0.0	-9.54	45.55	0.63	-3.90e-03	-0.01	-11.87
		-11.87	-0.01	-1.89e-04	0.0	57.6	-9.54	27.85	0.63	-3.90e-03	0.38	9.21
414	205	6.51	-0.05	-6.41e-04	-17.70	0.0	-0.18	39.08	-0.76	-0.02	-0.05	-11.23
		-11.23	-0.62	3.70e-04	0.0	57.6	-0.18	21.38	-0.76	-0.02	-0.62	6.51
414	206	1.06	0.73	-4.31e-04	-17.70	0.0	-0.25	26.21	0.97	0.02	0.04	-8.63
		-8.63	0.04	-3.76e-04	0.0	57.6	-0.25	8.51	0.97	0.02	0.73	1.06
414	229	10.70	0.10	-8.02e-04	-17.70	0.0	-9.36	49.03	0.18	-0.02	-0.04	-12.57
		-12.57	-0.04	-1.30e-05	0.0	57.6	-9.36	31.33	0.18	-0.02	0.10	10.70
414	232	-2.53	1.85e-03	-2.92e-04	-17.70	0.0	10.68	17.62	-0.51	0.01	1.85e-03	-7.68
		-7.68	-0.33	2.22e-04	0.0	57.6	10.68	-0.08	-0.51	0.01	-0.33	-2.53
414	233	10.71	0.13	-7.99e-04	-17.70	0.0	-9.31	48.90	0.22	-0.02	-0.03	-12.50
		-12.50	-0.03	-2.63e-06	0.0	57.6	-9.31	31.20	0.22	-0.02	0.13	10.71
414	235	10.10	0.44	-7.80e-04	-17.70	0.0	-11.11	47.67	0.72	-4.93e-03	-0.01	-12.18
		-12.18	-0.01	-2.28e-04	0.0	57.6	-11.11	29.97	0.72	-4.93e-03	0.44	10.10
415	4	-16.47	-7.85e-03	-3.24e-04	-30.61	0.0	1.35	17.28	1.40e-05	3.79e-03	-7.86e-03	-19.03
		-19.03	-7.86e-03	-3.83e-06	0.0	52.6	1.35	-13.33	1.40e-05	3.79e-03	-7.85e-03	-17.99
415	19	-5.69	-3.01e-03	-1.12e-04	-7.98	0.0	0.51	4.79	1.46e-03	2.06e-03	-3.77e-03	-6.45
		-6.45	-3.77e-03	-2.21e-06	0.0	52.6	0.51	-3.19	1.46e-03	2.06e-03	-3.01e-03	-6.03
415	28	-16.82	-7.53e-03	-3.39e-04	-30.61	0.0	0.62	17.59	-1.72e-03	3.99e-03	-7.53e-03	-19.48
		-19.48	-8.43e-03	-3.76e-06	0.0	52.6	0.62	-13.02	-1.72e-03	3.99e-03	-8.43e-03	-18.27
415	45	-6.26	-3.23e-03	-1.37e-04	-7.98	0.0	-0.71	5.30	-1.44e-03	2.39e-03	-3.23e-03	-7.19
		-7.19	-3.98e-03	-2.11e-06	0.0	52.6	-0.71	-2.68	-1.44e-03	2.39e-03	-3.98e-03	-6.50
415	68	-11.56	-5.60e-03	-2.28e-04	-21.04	0.0	0.93	11.95	4.64e-05	2.81e-03	-5.63e-03	-13.34
		-13.34	-5.63e-03	-2.76e-06	0.0	52.6	0.93	-9.08	4.64e-05	2.81e-03	-5.60e-03	-12.59
415	72	-6.21	-3.36e-03	-1.24e-04	-8.80	0.0	0.48	5.33	9.15e-04	2.19e-03	-3.84e-03	-7.06
		-7.06	-3.84e-03	-2.15e-06	0.0	52.6	0.48	-3.47	9.15e-04	2.19e-03	-3.36e-03	-6.57
415	80	-11.79	-5.41e-03	-2.38e-04	-21.04	0.0	0.44	12.16	-1.11e-03	2.94e-03	-5.41e-03	-13.64
		-13.64	-5.99e-03	-2.72e-06	0.0	52.6	0.44	-8.88	-1.11e-03	2.94e-03	-5.99e-03	-12.77
415	85	-6.59	-3.48e-03	-1.41e-04	-8.80	0.0	-0.33	5.67	-1.01e-03	2.41e-03	-3.48e-03	-7.55
		-7.55	-4.01e-03	-2.08e-06	0.0	52.6	-0.33	-3.13	-1.01e-03	2.41e-03	-4.01e-03	-6.88
415	98	-9.64	-4.75e-03	-1.94e-04	-17.36	0.0	0.64	9.99	-1.68e-04	2.63e-03	-4.75e-03	-11.16
		-11.16	-4.84e-03	-2.30e-06	0.0	52.6	0.64	-7.37	-1.68e-04	2.63e-03	-4.84e-03	-10.47
415	101	-9.44	-4.72e-03	-1.90e-04	-16.14	0.0	0.64	9.40	-2.71e-04	2.66e-03	-4.72e-03	-10.88
		-10.88	-4.87e-03	-2.30e-06	0.0	52.6	0.64	-6.74	-2.71e-04	2.66e-03	-4.87e-03	-10.18

415	102	-6.37	-3.63e-03	-1.31e-04	-8.80	0.0	0.39	5.46	1.51e-04	2.33e-03	-3.71e-03	-7.26
		-7.26	-3.71e-03	-1.95e-06	0.0	52.6	0.39	-3.33	1.51e-04	2.33e-03	-3.63e-03	-6.70
415	104	-6.44	-3.64e-03	-1.34e-04	-8.80	0.0	0.22	5.53	-2.35e-04	2.37e-03	-3.64e-03	-7.36
		-7.36	-3.76e-03	-1.94e-06	0.0	52.6	0.22	-3.27	-2.35e-04	2.37e-03	-3.76e-03	-6.76
415	106	-6.40	-3.68e-03	-1.32e-04	-8.80	0.0	0.36	5.50	-3.98e-05	2.36e-03	-3.68e-03	-7.31
		-7.31	-3.70e-03	-1.90e-06	0.0	52.6	0.36	-3.30	-3.98e-05	2.36e-03	-3.70e-03	-6.73
415	107	-9.18	-4.60e-03	-1.85e-04	-16.14	0.0	0.60	9.35	-1.50e-04	2.59e-03	-4.60e-03	-10.61
		-10.61	-4.68e-03	-2.24e-06	0.0	52.6	0.60	-6.79	-1.50e-04	2.59e-03	-4.68e-03	-9.93
415	112	-9.23	-8.04e-03	-1.76e-04	-16.14	0.0	1.48	9.36	-0.06	-0.02	-8.04e-03	-10.63
		-10.63	-0.03	2.51e-04	0.0	52.6	1.48	-6.78	-0.06	-0.02	-0.03	-9.99
415	113	-10.38	-6.96e-03	-2.03e-04	-16.14	0.0	1.16	9.50	-0.07	-0.02	-6.96e-03	-11.82
		-11.82	-0.04	2.08e-04	0.0	52.6	1.16	-6.64	-0.07	-0.02	-0.04	-11.12
415	114	-7.99	0.03	-1.67e-04	-16.14	0.0	0.05	9.20	0.07	0.03	-2.24e-03	-9.39
		-9.39	-2.24e-03	-2.12e-04	0.0	52.6	0.05	-6.94	0.07	0.03	0.03	-8.75
415	115	-9.14	0.02	-1.94e-04	-16.14	0.0	-0.27	9.34	0.06	0.02	-1.16e-03	-10.58
		-10.58	-1.16e-03	-2.56e-04	0.0	52.6	-0.27	-6.80	0.06	0.02	0.02	-9.88
415	133	-11.29	-3.67e-03	-2.31e-04	-16.14	0.0	0.29	9.61	-0.05	-0.02	-3.67e-03	-12.77
		-12.77	-0.03	-4.91e-06	0.0	52.6	0.29	-6.53	-0.05	-0.02	-0.03	-12.00
415	134	-7.07	0.02	-1.39e-04	-16.14	0.0	0.92	9.09	0.05	0.02	-5.53e-03	-8.44
		-8.44	-5.53e-03	0.0	0.0	52.6	0.92	-7.05	0.05	0.02	0.02	-7.87
415	144	-9.23	-8.45e-03	-1.75e-04	-16.14	0.0	1.59	9.36	-0.06	-0.02	-8.45e-03	-10.63
		-10.63	-0.04	2.83e-04	0.0	52.6	1.59	-6.78	-0.06	-0.02	-0.04	-10.00
415	145	-10.53	-7.24e-03	-2.05e-04	-16.14	0.0	1.23	9.52	-0.08	-0.03	-7.24e-03	-11.97
		-11.97	-0.05	2.34e-04	0.0	52.6	1.23	-6.62	-0.08	-0.03	-0.05	-11.26
415	146	-7.84	0.04	-1.65e-04	-16.14	0.0	-0.02	9.18	0.08	0.03	-1.96e-03	-9.24
		-9.24	-1.96e-03	-2.39e-04	0.0	52.6	-0.02	-6.96	0.08	0.03	0.04	-8.60
415	147	-9.14	0.03	-1.95e-04	-16.14	0.0	-0.38	9.34	0.06	0.02	-7.43e-04	-10.58
		-10.58	-7.43e-04	-2.88e-04	0.0	52.6	-0.38	-6.80	0.06	0.02	0.03	-9.87
415	165	-11.55	-3.55e-03	-2.37e-04	-16.14	0.0	0.25	9.64	-0.05	-0.02	-3.55e-03	-13.04
		-13.04	-0.03	-5.69e-06	0.0	52.6	0.25	-6.50	-0.05	-0.02	-0.03	-12.25
415	166	-6.81	0.02	-1.33e-04	-16.14	0.0	0.96	9.06	0.05	0.02	-5.65e-03	-8.17
		-8.17	-5.65e-03	1.21e-06	0.0	52.6	0.96	-7.09	0.05	0.02	0.02	-7.61
415	176	-9.20	-8.16e-03	-1.75e-04	-16.14	0.0	1.57	9.36	-0.06	-0.02	-8.16e-03	-10.60
		-10.60	-0.04	2.88e-04	0.0	52.6	1.57	-6.78	-0.06	-0.02	-0.04	-9.97
415	177	-10.48	-6.97e-03	-2.05e-04	-16.14	0.0	1.23	9.52	-0.08	-0.02	-6.97e-03	-11.92
		-11.92	-0.05	2.37e-04	0.0	52.6	1.23	-6.62	-0.08	-0.02	-0.05	-11.21
415	178	-7.89	0.04	-1.65e-04	-16.14	0.0	-0.02	9.18	0.08	0.03	-2.22e-03	-9.29
		-9.29	-2.22e-03	-2.42e-04	0.0	52.6	-0.02	-6.96	0.08	0.03	0.04	-8.65
415	179	-9.16	0.03	-1.95e-04	-16.14	0.0	-0.36	9.34	0.06	0.02	-1.04e-03	-10.61
		-10.61	-1.04e-03	-2.93e-04	0.0	52.6	-0.36	-6.80	0.06	0.02	0.03	-9.89
415	197	-11.50	-3.52e-03	-2.36e-04	-16.14	0.0	0.27	9.64	-0.05	-0.02	-3.52e-03	-12.99
		-12.99	-0.03	-7.99e-06	0.0	52.6	0.27	-6.50	-0.05	-0.02	-0.03	-12.20
415	198	-6.86	0.02	-1.34e-04	-16.14	0.0	0.94	9.06	0.05	0.02	-5.68e-03	-8.22
		-8.22	-5.68e-03	3.51e-06	0.0	52.6	0.94	-7.08	0.05	0.02	0.02	-7.66
415	208	-9.20	-8.68e-03	-1.74e-04	-16.14	0.0	1.73	9.36	-0.08	-0.02	-8.68e-03	-10.59
		-10.59	-0.04	3.42e-04	0.0	52.6	1.73	-6.78	-0.08	-0.02	-0.04	-9.97
415	209	-10.68	-7.31e-03	-2.08e-04	-16.14	0.0	1.33	9.54	-0.10	-0.03	-7.31e-03	-12.12
		-12.12	-0.05	2.81e-04	0.0	52.6	1.33	-6.60	-0.10	-0.03	-0.05	-11.41
415	210	-7.69	0.04	-1.62e-04	-16.14	0.0	-0.13	9.16	0.10	0.03	-1.89e-03	-9.09
		-9.09	-1.89e-03	-2.85e-04	0.0	52.6	-0.13	-6.99	0.10	0.03	0.04	-8.45
415	211	-9.17	0.03	-1.96e-04	-16.14	0.0	-0.53	9.34	0.08	0.03	-5.15e-04	-10.62
		-10.62	-5.15e-04	-3.47e-04	0.0	52.6	-0.53	-6.80	0.08	0.03	0.03	-9.89
415	229	-11.88	-3.33e-03	-2.44e-04	-16.14	0.0	0.22	9.68	-0.06	-0.02	-3.33e-03	-13.38
		-13.38	-0.04	-1.08e-05	0.0	52.6	0.22	-6.46	-0.06	-0.02	-0.04	-12.57
415	230	-6.49	0.03	-1.26e-04	-16.14	0.0	0.99	9.02	0.06	0.02	-5.87e-03	-7.84
		-7.84	-5.87e-03	6.32e-06	0.0	52.6	0.99	-7.13	0.06	0.02	0.03	-7.30
416	4	-15.38	4.91e-03	-1.03e-04	-30.61	0.0	1.05	9.98	-0.02	3.79e-03	4.91e-03	-16.23
		-19.03	-7.86e-03	-2.98e-06	0.0	52.6	1.05	-20.63	-0.02	3.79e-03	-7.86e-03	-19.03
416	11	-14.39	4.68e-03	-9.64e-05	-25.10	0.0	1.05	7.63	-0.02	3.86e-03	4.68e-03	-15.00
		-17.59	-7.63e-03	-2.98e-06	0.0	52.6	1.05	-17.47	-0.02	3.86e-03	-7.63e-03	-17.59
416	19	-5.37	2.39e-03	-3.52e-05	-7.98	0.0	0.38	2.25	-0.01	2.06e-03	2.39e-03	-5.53
		-6.45	-3.77e-03	-1.80e-06	0.0	52.6	0.38	-5.73	-0.01	2.06e-03	-3.77e-03	-6.45
416	28	-15.72	4.44e-03	-1.08e-04	-30.61	0.0	0.28	9.69	-0.02	3.99e-03	4.44e-03	-16.52
		-19.48	-7.53e-03	-2.96e-06	0.0	52.6	0.28	-20.92	-0.02	3.99e-03	-7.53e-03	-19.48
416	45	-5.92	1.61e-03	-4.41e-05	-7.98	0.0	-0.91	1.76	-9.20e-03	2.39e-03	1.61e-03	-6.02
		-7.19	-3.23e-03	-1.76e-06	0.0	52.6	-0.91	-6.22	-9.20e-03	2.39e-03	-3.23e-03	-7.19
416	68	-10.80	3.49e-03	-7.25e-05	-21.04	0.0	0.72	6.77	-0.02	2.81e-03	3.49e-03	-11.37
		-13.34	-5.63e-03	-2.16e-06	0.0	52.6	0.72	-14.26	-0.02	2.81e-03	-5.63e-03	-13.34
416	71	-10.14	3.33e-03	-6.82e-05	-17.36	0.0	0.72	5.21	-0.02	2.85e-03	3.33e-03	-10.55
		-12.38	-5.48e-03	-2.16e-06	0.0	52.6	0.72	-12.16	-0.02	2.85e-03	-5.48e-03	-12.38
416	72	-5.85	2.36e-03	-3.93e-05	-8.80	0.0	0.35	2.44	-0.01	2.19e-03	2.36e-03	-6.02
		-7.06	-3.84e-03	-1.73e-06	0.0	52.6	0.35	-6.36	-0.01	2.19e-03	-3.84e-03	-7.06
416	80	-11.02	3.17e-03	-7.61e-05	-21.04	0.0	0.20	6.58	-0.02	2.94e-03	3.17e-03	-11.57
		-13.64	-5.41e-03	-2.14e-06	0.0	52.6	0.20	-14.46	-0.02	2.94e-03	-5.41e-03	-13.64
416	85	-6.21	1.84e-03	-4.52e-05	-8.80	0.0	-0.51	2.11	-0.01	2.41e-03	1.84e-03	-6.35

		-7.55	-3.48e-03	-1.71e-06	0.0	52.6	-0.51	-6.68	-0.01	2.41e-03	-3.48e-03	-7.55
416	98	-9.02	2.85e-03	-6.18e-05	-17.36	0.0	0.46	5.48	-0.01	2.63e-03	2.85e-03	-9.47
		-11.16	-4.75e-03	-1.79e-06	0.0	52.6	0.46	-11.88	-0.01	2.63e-03	-4.75e-03	-11.16
416	101	-8.84	2.81e-03	-6.07e-05	-16.14	0.0	0.47	4.95	-0.01	2.66e-03	2.81e-03	-9.24
		-10.88	-4.72e-03	-1.79e-06	0.0	52.6	0.47	-11.19	-0.01	2.66e-03	-4.72e-03	-10.88
416	102	-6.00	2.16e-03	-4.17e-05	-8.80	0.0	0.26	2.31	-0.01	2.33e-03	2.16e-03	-6.16
		-7.26	-3.71e-03	-1.55e-06	0.0	52.6	0.26	-6.49	-0.01	2.33e-03	-3.71e-03	-7.26
416	104	-6.07	2.06e-03	-4.29e-05	-8.80	0.0	0.09	2.24	-0.01	2.37e-03	2.06e-03	-6.22
		-7.36	-3.64e-03	-1.55e-06	0.0	52.6	0.09	-6.56	-0.01	2.37e-03	-3.64e-03	-7.36
416	106	-6.04	2.11e-03	-4.23e-05	-8.80	0.0	0.24	2.27	-0.01	2.36e-03	2.11e-03	-6.19
		-7.31	-3.68e-03	-1.51e-06	0.0	52.6	0.24	-6.52	-0.01	2.36e-03	-3.68e-03	-7.31
416	107	-8.59	2.75e-03	-5.91e-05	-16.14	0.0	0.43	5.03	-0.01	2.59e-03	2.75e-03	-9.00
		-10.61	-4.60e-03	-1.75e-06	0.0	52.6	0.43	-11.12	-0.01	2.59e-03	-4.60e-03	-10.61
416	113	-9.65	-6.96e-03	-7.60e-05	-16.14	0.0	1.56	4.47	0.01	-0.02	-9.20e-03	-9.99
		-11.82	-9.20e-03	2.07e-04	0.0	52.6	1.56	-11.67	0.01	-0.02	-6.96e-03	-11.82
416	114	-7.54	0.01	-4.28e-05	-16.14	0.0	-0.70	5.58	-0.04	0.03	0.01	-8.02
		-9.39	-2.24e-03	-2.10e-04	0.0	52.6	-0.70	-10.56	-0.04	0.03	-2.24e-03	-9.39
416	133	-10.27	-3.67e-03	-7.43e-05	-16.14	0.0	2.14	3.69	6.49e-03	-0.02	-5.60e-03	-10.49
		-12.77	-5.60e-03	-3.48e-06	0.0	52.6	2.14	-12.45	6.49e-03	-0.02	-3.67e-03	-12.77
416	134	-6.87	0.01	-4.46e-05	-16.14	0.0	-1.28	6.36	-0.03	0.02	0.01	-7.52
		-8.44	-5.53e-03	0.0	0.0	52.6	-1.28	-9.78	-0.03	0.02	-5.53e-03	-8.44
416	145	-9.78	-7.24e-03	-7.79e-05	-16.14	0.0	1.70	4.40	0.02	-0.03	-0.01	-10.11
		-11.97	-0.01	2.33e-04	0.0	52.6	1.70	-11.74	0.02	-0.03	-7.24e-03	-11.97
416	146	-7.41	0.02	-4.11e-05	-16.14	0.0	-0.84	5.65	-0.05	0.03	0.02	-7.90
		-9.24	-1.96e-03	-2.37e-04	0.0	52.6	-0.84	-10.49	-0.05	0.03	-1.96e-03	-9.24
416	165	-10.47	-3.55e-03	-7.62e-05	-16.14	0.0	2.35	3.52	9.04e-03	-0.02	-6.65e-03	-10.68
		-13.04	-6.65e-03	-4.14e-06	0.0	52.6	2.35	-12.62	9.04e-03	-0.02	-3.55e-03	-13.04
416	166	-6.65	0.01	-4.30e-05	-16.14	0.0	-1.49	6.53	-0.04	0.02	0.01	-7.33
		-8.17	-5.65e-03	0.0	0.0	52.6	-1.49	-9.61	-0.04	0.02	-5.65e-03	-8.17
416	177	-9.74	-6.97e-03	-7.58e-05	-16.14	0.0	1.66	4.42	0.02	-0.02	-0.01	-10.07
		-11.92	-0.01	2.36e-04	0.0	52.6	1.66	-11.72	0.02	-0.02	-6.97e-03	-11.92
416	178	-7.45	0.02	-4.29e-05	-16.14	0.0	-0.80	5.63	-0.04	0.03	0.02	-7.94
		-9.29	-2.22e-03	-2.40e-04	0.0	52.6	-0.80	-10.51	-0.04	0.03	-2.22e-03	-9.29
416	197	-10.44	-3.52e-03	-7.56e-05	-16.14	0.0	2.31	3.56	8.56e-03	-0.02	-6.50e-03	-10.64
		-12.99	-6.50e-03	-6.47e-06	0.0	52.6	2.31	-12.59	8.56e-03	-0.02	-3.52e-03	-12.99
416	198	-6.69	0.01	-4.35e-05	-16.14	0.0	-1.45	6.50	-0.04	0.02	0.01	-7.37
		-8.22	-5.68e-03	2.98e-06	0.0	52.6	-1.45	-9.64	-0.04	0.02	-5.68e-03	-8.22
416	209	-9.92	-7.31e-03	-7.82e-05	-16.14	0.0	1.86	4.33	0.02	-0.03	-0.01	-10.24
		-12.12	-0.01	2.79e-04	0.0	52.6	1.86	-11.81	0.02	-0.03	-7.31e-03	-12.12
416	210	-7.27	0.02	-4.09e-05	-16.14	0.0	-1.00	5.72	-0.05	0.03	0.02	-7.77
		-9.09	-1.89e-03	-2.83e-04	0.0	52.6	-1.00	-10.42	-0.05	0.03	-1.89e-03	-9.09
416	229	-10.72	-3.33e-03	-7.82e-05	-16.14	0.0	2.61	3.32	0.01	-0.02	-8.03e-03	-10.91
		-13.38	-8.03e-03	-9.10e-06	0.0	52.6	2.61	-12.82	0.01	-0.02	-3.33e-03	-13.38
416	230	-6.38	0.01	-4.15e-05	-16.14	0.0	-1.75	6.74	-0.04	0.02	0.01	-7.10
		-7.84	-5.87e-03	5.61e-06	0.0	52.6	-1.75	-9.41	-0.04	0.02	-5.87e-03	-7.84
417	4	-13.28	4.91e-03	-2.73e-05	-30.61	0.0	0.45	12.07	5.21e-03	3.79e-03	2.17e-03	-14.53
		-16.23	2.17e-03	-3.54e-06	0.0	52.6	0.45	-18.54	5.21e-03	3.79e-03	4.91e-03	-16.23
417	11	-12.45	4.68e-03	-2.04e-05	-25.10	0.0	0.49	9.48	5.05e-03	3.86e-03	2.02e-03	-13.39
		-15.00	2.02e-03	-3.51e-06	0.0	52.6	0.49	-15.63	5.05e-03	3.86e-03	4.68e-03	-15.00
417	19	-4.69	2.39e-03	-5.29e-06	-7.98	0.0	0.21	2.92	2.85e-03	2.06e-03	8.94e-04	-4.97
		-5.53	8.94e-04	-2.07e-06	0.0	52.6	0.21	-5.06	2.85e-03	2.06e-03	2.39e-03	-5.53
417	28	-13.44	4.44e-03	-2.81e-05	-30.61	0.0	-0.34	11.67	4.53e-03	3.99e-03	2.06e-03	-14.61
		-16.52	2.06e-03	-3.46e-06	0.0	52.6	-0.34	-18.94	4.53e-03	3.99e-03	4.44e-03	-16.52
417	45	-4.94	1.61e-03	-6.52e-06	-7.98	0.0	-1.10	2.26	1.71e-03	2.39e-03	7.10e-04	-5.10
		-6.02	7.10e-04	-1.95e-06	0.0	52.6	-1.10	-5.72	1.71e-03	2.39e-03	1.61e-03	-6.02
417	68	-9.32	3.49e-03	-1.86e-05	-21.04	0.0	0.30	8.21	3.73e-03	2.81e-03	1.52e-03	-10.16
		-11.37	1.52e-03	-2.55e-06	0.0	52.6	0.30	-12.82	3.73e-03	2.81e-03	3.49e-03	-11.37
417	71	-8.76	3.33e-03	-1.40e-05	-17.36	0.0	0.33	6.49	3.62e-03	2.85e-03	1.43e-03	-9.40
		-10.55	1.43e-03	-2.53e-06	0.0	52.6	0.33	-10.88	3.62e-03	2.85e-03	3.33e-03	-10.55
417	72	-5.07	2.36e-03	-6.23e-06	-8.80	0.0	0.15	3.14	2.76e-03	2.19e-03	9.13e-04	-5.36
		-6.02	9.13e-04	-2.00e-06	0.0	52.6	0.15	-5.66	2.76e-03	2.19e-03	2.36e-03	-6.02
417	80	-9.43	3.17e-03	-1.91e-05	-21.04	0.0	-0.23	7.95	3.28e-03	2.94e-03	1.45e-03	-10.22
		-11.57	1.45e-03	-2.50e-06	0.0	52.6	-0.23	-13.09	3.28e-03	2.94e-03	3.17e-03	-11.57
417	85	-5.24	1.84e-03	-7.05e-06	-8.80	0.0	-0.72	2.70	2.00e-03	2.41e-03	7.91e-04	-5.45
		-6.35	7.91e-04	-1.92e-06	0.0	52.6	-0.72	-6.10	2.00e-03	2.41e-03	1.84e-03	-6.35
417	98	-7.73	2.85e-03	-1.57e-05	-17.36	0.0	0.12	6.63	3.06e-03	2.63e-03	1.25e-03	-8.39
		-9.47	1.25e-03	-2.11e-06	0.0	52.6	0.12	-10.74	3.06e-03	2.63e-03	2.85e-03	-9.47
417	101	-7.58	2.81e-03	-1.41e-05	-16.14	0.0	0.13	6.04	3.03e-03	2.66e-03	1.22e-03	-8.17
		-9.24	1.22e-03	-2.11e-06	0.0	52.6	0.13	-10.10	3.03e-03	2.66e-03	2.81e-03	-9.24
417	102	-5.14	2.16e-03	-6.57e-06	-8.80	0.0	0.06	2.96	2.47e-03	2.33e-03	8.64e-04	-5.40
		-6.16	8.64e-04	-1.80e-06	0.0	52.6	0.06	-5.84	2.47e-03	2.33e-03	2.16e-03	-6.16
417	104	-5.17	2.06e-03	-6.73e-06	-8.80	0.0	-0.12	2.87	2.32e-03	2.37e-03	8.40e-04	-5.42
		-6.22	8.40e-04	-1.78e-06	0.0	52.6	-0.12	-5.93	2.32e-03	2.37e-03	2.06e-03	-6.22
417	106	-5.16	2.11e-03	-6.65e-06	-8.80	0.0	0.03	2.92	2.40e-03	2.36e-03	8.52e-04	-5.41
		-6.19	8.52e-04	-1.75e-06	0.0	52.6	0.03	-5.88	2.40e-03	2.36e-03	2.11e-03	-6.19

417	107	-7.36	2.75e-03	-1.44e-05	-16.14	0.0	0.11	6.10	2.96e-03	2.59e-03	1.19e-03	-7.97
		-9.00	1.19e-03	-2.06e-06	0.0	52.6	0.11	-10.04	2.96e-03	2.59e-03	2.75e-03	-9.00
417	113	-8.27	4.01e-03	1.08e-05	-16.14	0.0	1.21	5.97	-0.02	-0.02	4.01e-03	-8.83
		-9.99	-9.20e-03	2.06e-04	0.0	52.6	1.21	-10.17	-0.02	-0.02	-9.20e-03	-9.99
417	114	-6.45	0.01	-2.18e-05	-16.14	0.0	-1.00	6.22	0.03	0.03	-1.63e-03	-7.10
		-8.02	-1.63e-03	-2.10e-04	0.0	52.6	-1.00	-9.92	0.03	0.03	0.01	-8.02
417	133	-8.47	2.96e-03	-1.47e-05	-16.14	0.0	2.14	4.99	-0.02	-0.02	2.96e-03	-8.88
		-10.49	-5.60e-03	-3.03e-06	0.0	52.6	2.14	-11.15	-0.02	-0.02	-5.60e-03	-10.49
417	134	-6.22	0.01	-1.41e-05	-16.14	0.0	-1.92	7.20	0.02	0.02	-5.78e-04	-7.06
		-7.52	-5.78e-04	-1.08e-06	0.0	52.6	-1.92	-8.94	0.02	0.02	0.01	-7.52
417	145	-8.38	4.35e-03	1.21e-05	-16.14	0.0	1.35	5.96	-0.03	-0.03	4.35e-03	-8.94
		-10.11	-0.01	2.32e-04	0.0	52.6	1.35	-10.18	-0.03	-0.03	-0.01	-10.11
417	146	-6.34	0.02	-2.27e-05	-16.14	0.0	-1.13	6.24	0.03	0.03	-1.97e-03	-7.00
		-7.90	-1.97e-03	-2.36e-04	0.0	52.6	-1.13	-9.90	0.03	0.03	0.02	-7.90
417	165	-8.60	3.17e-03	-1.48e-05	-16.14	0.0	2.39	4.86	-0.02	-0.02	3.17e-03	-8.99
		-10.68	-6.65e-03	-3.60e-06	0.0	52.6	2.39	-11.28	-0.02	-0.02	-6.65e-03	-10.68
417	166	-6.07	0.01	-1.41e-05	-16.14	0.0	-2.17	7.34	0.02	0.02	-7.96e-04	-6.95
		-7.33	-7.96e-04	0.0	0.0	52.6	-2.17	-8.80	0.02	0.02	0.01	-7.33
417	177	-8.35	4.18e-03	1.00e-05	-16.14	0.0	1.30	5.96	-0.03	-0.02	4.18e-03	-8.91
		-10.07	-0.01	2.35e-04	0.0	52.6	1.30	-10.18	-0.03	-0.02	-0.01	-10.07
417	178	-6.37	0.02	-2.14e-05	-16.14	0.0	-1.09	6.23	0.03	0.03	-1.81e-03	-7.02
		-7.94	-1.81e-03	-2.39e-04	0.0	52.6	-1.09	-9.91	0.03	0.03	0.02	-7.94
417	197	-8.58	3.09e-03	-1.49e-05	-16.14	0.0	2.35	4.88	-0.02	-0.02	3.09e-03	-8.97
		-10.64	-6.50e-03	-5.92e-06	0.0	52.6	2.35	-11.26	-0.02	-0.02	-6.50e-03	-10.64
417	198	-6.10	0.01	-1.40e-05	-16.14	0.0	-2.13	7.32	0.02	0.02	-7.09e-04	-6.97
		-7.37	-7.09e-04	1.81e-06	0.0	52.6	-2.13	-8.83	0.02	0.02	0.01	-7.37
417	209	-8.51	4.64e-03	1.15e-05	-16.14	0.0	1.48	5.95	-0.03	-0.03	4.64e-03	-9.07
		-10.24	-0.01	2.79e-04	0.0	52.6	1.48	-10.20	-0.03	-0.03	-0.01	-10.24
417	210	-6.21	0.02	-2.25e-05	-16.14	0.0	-1.27	6.25	0.04	0.03	-2.26e-03	-6.87
		-7.77	-2.26e-03	-2.83e-04	0.0	52.6	-1.27	-9.89	0.04	0.03	0.02	-7.77
417	229	-8.77	3.38e-03	-1.50e-05	-16.14	0.0	2.71	4.68	-0.02	-0.02	3.38e-03	-9.13
		-10.91	-8.03e-03	-8.39e-06	0.0	52.6	2.71	-11.46	-0.02	-0.02	-8.03e-03	-10.91
417	230	-5.89	0.01	-1.39e-05	-16.14	0.0	-2.49	7.52	0.03	0.02	-1.00e-03	-6.81
		-7.10	-1.00e-03	4.28e-06	0.0	52.6	-2.49	-8.63	0.03	0.02	0.01	-7.10
418	4	-12.22	2.17e-03	8.77e-05	-30.61	0.0	-1.03	14.21	6.00e-03	3.79e-03	-9.89e-04	-13.95
		-14.53	-9.89e-04	-3.76e-06	0.0	52.6	-1.03	-16.40	6.00e-03	3.79e-03	2.17e-03	-14.53
418	17	-9.94	1.84e-03	7.18e-05	-25.10	0.0	-1.22	11.75	5.05e-03	3.28e-03	-8.18e-04	-11.38
		-11.81	-8.18e-04	-3.44e-06	0.0	52.6	-1.22	-13.36	5.05e-03	3.28e-03	1.84e-03	-11.81
418	28	-12.21	2.06e-03	8.58e-05	-30.61	0.0	-0.90	13.88	6.12e-03	3.99e-03	-1.16e-03	-13.86
		-14.61	-1.16e-03	-3.67e-06	0.0	52.6	-0.90	-16.73	6.12e-03	3.99e-03	2.06e-03	-14.61
418	35	-11.37	1.91e-03	8.25e-05	-25.10	0.0	-0.79	10.95	5.93e-03	4.05e-03	-1.20e-03	-12.63
		-13.47	-1.20e-03	-3.63e-06	0.0	52.6	-0.79	-14.15	5.93e-03	4.05e-03	1.91e-03	-13.47
418	45	-4.26	7.10e-04	3.07e-05	-7.98	0.0	-0.71	2.93	2.86e-03	2.39e-03	-7.93e-04	-4.55
		-5.10	-7.93e-04	-2.02e-06	0.0	52.6	-0.71	-5.05	2.86e-03	2.39e-03	7.10e-04	-5.10
418	60	-5.72	1.02e-03	4.55e-05	-7.98	0.0	-0.27	2.84	3.44e-03	2.78e-03	-7.85e-04	-5.99
		-6.59	-7.85e-04	-2.21e-06	0.0	52.6	-0.27	-5.14	3.44e-03	2.78e-03	1.02e-03	-6.59
418	68	-8.56	1.52e-03	6.16e-05	-21.04	0.0	-0.72	9.69	4.30e-03	2.81e-03	-7.35e-04	-9.73
		-10.16	-7.35e-04	-2.71e-06	0.0	52.6	-0.72	-11.34	4.30e-03	2.81e-03	1.52e-03	-10.16
418	74	-7.04	1.31e-03	5.10e-05	-17.36	0.0	-0.86	8.05	3.67e-03	2.47e-03	-6.21e-04	-8.01
		-8.35	-6.21e-04	-2.50e-06	0.0	52.6	-0.86	-9.31	3.67e-03	2.47e-03	1.31e-03	-8.35
418	80	-8.55	1.45e-03	6.03e-05	-21.04	0.0	-0.64	9.48	4.38e-03	2.94e-03	-8.52e-04	-9.67
		-10.22	-8.52e-04	-2.65e-06	0.0	52.6	-0.64	-11.56	4.38e-03	2.94e-03	1.45e-03	-10.22
418	83	-7.99	1.36e-03	5.81e-05	-17.36	0.0	-0.56	7.52	4.25e-03	2.98e-03	-8.78e-04	-8.84
		-9.45	-8.78e-04	-2.62e-06	0.0	52.6	-0.56	-9.84	4.25e-03	2.98e-03	1.36e-03	-9.45
418	85	-4.59	7.91e-04	3.34e-05	-8.80	0.0	-0.61	3.41	2.94e-03	2.41e-03	-7.52e-04	-4.93
		-5.45	-7.52e-04	-2.00e-06	0.0	52.6	-0.61	-5.39	2.94e-03	2.41e-03	7.91e-04	-5.45
418	93	-5.56	9.98e-04	4.33e-05	-8.80	0.0	-0.32	3.35	3.32e-03	2.68e-03	-7.47e-04	-5.89
		-6.44	-7.47e-04	-2.12e-06	0.0	52.6	-0.32	-5.45	3.32e-03	2.68e-03	9.98e-04	-6.44
418	98	-7.03	1.25e-03	4.99e-05	-17.36	0.0	-0.48	7.87	3.71e-03	2.63e-03	-7.04e-04	-7.97
		-8.39	-7.04e-04	-2.24e-06	0.0	52.6	-0.48	-9.49	3.71e-03	2.63e-03	1.25e-03	-8.39
418	99	-4.79	8.81e-04	3.62e-05	-8.80	0.0	-0.36	3.54	2.94e-03	2.42e-03	-6.62e-04	-5.17
		-5.62	-6.62e-04	-1.89e-06	0.0	52.6	-0.36	-5.25	2.94e-03	2.42e-03	8.81e-04	-5.62
418	103	-6.69	1.20e-03	4.79e-05	-16.14	0.0	-0.54	7.30	3.58e-03	2.56e-03	-6.78e-04	-7.55
		-7.96	-6.78e-04	-2.23e-06	0.0	52.6	-0.54	-8.84	3.58e-03	2.56e-03	1.20e-03	-7.96
418	104	-4.60	8.40e-04	3.42e-05	-8.80	0.0	-0.42	3.56	2.86e-03	2.37e-03	-6.63e-04	-4.98
		-5.42	-6.63e-04	-1.87e-06	0.0	52.6	-0.42	-5.24	2.86e-03	2.37e-03	8.40e-04	-5.42
418	105	-6.68	1.18e-03	4.75e-05	-16.14	0.0	-0.51	7.22	3.60e-03	2.60e-03	-7.17e-04	-7.53
		-7.98	-7.17e-04	-2.21e-06	0.0	52.6	-0.51	-8.92	3.60e-03	2.60e-03	1.18e-03	-7.98
418	106	-4.60	8.52e-04	3.44e-05	-8.80	0.0	-0.38	3.59	2.84e-03	2.36e-03	-6.41e-04	-4.99
		-5.41	-6.41e-04	-1.84e-06	0.0	52.6	-0.38	-5.21	2.84e-03	2.36e-03	8.52e-04	-5.41
418	107	-6.68	1.19e-03	4.77e-05	-16.14	0.0	-0.47	7.26	3.58e-03	2.59e-03	-6.95e-04	-7.54
		-7.97	-6.95e-04	-2.18e-06	0.0	52.6	-0.47	-8.88	3.58e-03	2.59e-03	1.19e-03	-7.97
418	109	-7.40	0.03	5.83e-05	-16.14	0.0	2.04	6.92	-0.05	-0.02	0.03	-8.24
		-8.72	4.01e-03	2.43e-04	0.0	52.6	2.04	-9.22	-0.05	-0.02	4.01e-03	-8.72
418	110	-5.97	-1.63e-03	3.70e-05	-16.14	0.0	-2.98	7.60	0.05	0.02	-0.03	-6.85

		-7.22	-0.03	-2.48e-04	0.0	52.6	-2.98	-8.54	0.05	0.02	-1.63e-03	-7.22
418	114	-5.88	-1.63e-03	3.78e-05	-16.14	0.0	-3.19	7.63	0.04	0.03	-0.02	-6.79
		-7.10	-0.02	-2.08e-04	0.0	52.6	-3.19	-8.51	0.04	0.03	-1.63e-03	-7.10
418	133	-7.40	2.96e-03	6.34e-05	-16.14	0.0	5.30	6.50	5.86e-03	-0.02	-2.07e-03	-8.11
		-8.88	-2.07e-03	-2.07e-06	0.0	52.6	5.30	-9.64	5.86e-03	-0.02	2.96e-03	-8.88
418	136	-6.29	0.02	3.52e-05	-16.14	0.0	-6.25	7.93	-0.03	8.29e-03	0.02	-7.31
		-7.40	7.47e-04	1.36e-04	0.0	52.6	-6.25	-8.21	-0.03	8.29e-03	7.47e-04	-7.40
418	139	-7.07	1.63e-03	6.01e-05	-16.14	0.0	5.31	6.59	0.03	-3.10e-03	-0.02	-7.78
		-8.54	-0.02	-1.40e-04	0.0	52.6	5.31	-9.55	0.03	-3.10e-03	1.63e-03	-8.54
418	141	-7.49	0.03	5.97e-05	-16.14	0.0	2.36	6.88	-0.05	-0.02	0.03	-8.32
		-8.81	4.36e-03	2.75e-04	0.0	52.6	2.36	-9.26	-0.05	-0.02	4.36e-03	-8.81
418	142	-5.88	-1.98e-03	3.56e-05	-16.14	0.0	-3.29	7.64	0.06	0.02	-0.03	-6.76
		-7.12	-0.03	-2.79e-04	0.0	52.6	-3.29	-8.50	0.06	0.02	-1.98e-03	-7.12
418	146	-5.78	-1.97e-03	3.65e-05	-16.14	0.0	-3.53	7.68	0.05	0.03	-0.03	-6.70
		-7.00	-0.03	-2.34e-04	0.0	52.6	-3.53	-8.46	0.05	0.03	-1.97e-03	-7.00
418	165	-7.49	3.17e-03	6.53e-05	-16.14	0.0	6.40	6.40	6.20e-03	-0.02	-2.27e-03	-8.18
		-8.99	-2.27e-03	-2.50e-06	0.0	52.6	6.02	-9.74	6.20e-03	-0.02	3.17e-03	-8.99
418	168	-6.24	0.02	3.38e-05	-16.14	0.0	-6.97	8.02	-0.03	9.03e-03	0.02	-7.28
		-7.33	6.91e-04	1.54e-04	0.0	52.6	-6.97	-8.12	-0.03	9.03e-03	6.91e-04	-7.33
418	171	-7.11	1.69e-03	6.15e-05	-16.14	0.0	6.04	6.51	0.04	-3.84e-03	-0.02	-7.80
		-8.61	-0.02	-1.58e-04	0.0	52.6	6.04	-9.64	0.04	-3.84e-03	1.69e-03	-8.61
418	178	-5.81	-1.81e-03	3.62e-05	-16.14	0.0	-3.44	7.66	0.05	0.03	-0.03	-6.72
		-7.02	-0.03	-2.38e-04	0.0	52.6	-3.44	-8.48	0.05	0.03	-1.81e-03	-7.02
418	181	-7.30	0.03	5.94e-05	-16.14	0.0	-0.12	6.91	-0.06	-0.01	0.03	-8.15
		-8.60	3.56e-03	3.01e-04	0.0	52.6	-0.12	-9.23	-0.06	-0.01	3.56e-03	-8.60
418	182	-6.07	-1.18e-03	3.59e-05	-16.14	0.0	-0.81	7.61	0.06	0.02	-0.03	-6.94
		-7.33	-0.03	-3.06e-04	0.0	52.6	-0.81	-8.53	0.06	0.02	-1.18e-03	-7.33
418	197	-7.47	3.09e-03	6.44e-05	-16.14	0.0	5.93	6.42	6.48e-03	-0.02	-2.40e-03	-8.17
		-8.97	-2.40e-03	-4.83e-06	0.0	52.6	5.93	-9.72	6.48e-03	-0.02	3.09e-03	-8.97
418	200	-6.25	0.02	3.49e-05	-16.14	0.0	-6.89	8.01	-0.03	9.03e-03	0.02	-7.29
		-7.34	7.03e-04	1.62e-04	0.0	52.6	-6.89	-8.13	-0.03	9.03e-03	7.03e-04	-7.34
418	203	-7.10	1.68e-03	6.04e-05	-16.14	0.0	5.95	6.51	0.04	-3.84e-03	-0.02	-7.79
		-8.60	-0.02	-1.67e-04	0.0	52.6	5.95	-9.63	0.04	-3.84e-03	1.68e-03	-8.60
418	210	-5.66	-2.26e-03	3.42e-05	-16.14	0.0	-3.90	7.72	0.06	0.03	-0.03	-6.58
		-6.87	-0.03	-2.81e-04	0.0	52.6	-3.90	-8.42	0.06	0.03	-2.26e-03	-6.87
418	213	-7.42	0.04	6.16e-05	-16.14	0.0	-0.09	6.86	-0.07	-0.02	0.04	-8.26
		-8.72	3.97e-03	3.67e-04	0.0	52.6	-0.09	-9.29	-0.07	-0.02	3.97e-03	-8.72
418	214	-5.95	-1.59e-03	3.37e-05	-16.14	0.0	-0.85	7.67	0.07	0.02	-0.04	-6.82
		-7.21	-0.04	-3.72e-04	0.0	52.6	-0.85	-8.47	0.07	0.02	-1.59e-03	-7.21
418	229	-7.60	3.38e-03	6.73e-05	-16.14	0.0	6.98	6.28	7.19e-03	-0.02	-2.80e-03	-8.27
		-9.13	-2.80e-03	-7.07e-06	0.0	52.6	6.98	-9.86	7.19e-03	-0.02	3.38e-03	-9.13
418	232	-6.19	0.02	3.29e-05	-16.14	0.0	-7.95	8.13	-0.04	0.01	0.02	-7.25
		-7.25	6.38e-04	1.98e-04	0.0	52.6	-7.95	-8.01	-0.04	0.01	6.38e-04	-7.24
418	235	-7.16	1.74e-03	6.24e-05	-16.14	0.0	7.01	6.39	0.04	-4.87e-03	-0.02	-7.83
		-8.69	-0.02	-2.02e-04	0.0	52.6	7.01	-9.75	0.04	-4.87e-03	1.74e-03	-8.69
419	4	-9.35	-9.89e-04	2.61e-04	-30.61	0.0	-4.81	7.45	0.06	3.79e-03	-0.03	-9.82
		-13.95	-0.03	-3.77e-06	0.0	52.6	-4.81	-23.16	0.06	3.79e-03	-9.89e-04	-13.95
419	18	-7.89	-8.98e-04	2.35e-04	-25.10	0.0	-5.18	5.12	0.06	3.52e-03	-0.03	-8.16
		-12.06	-0.03	-3.66e-06	0.0	52.6	-5.18	-19.98	0.06	3.52e-03	-8.98e-04	-12.06
419	19	-2.72	-5.00e-04	1.03e-04	-7.98	0.0	-3.44	0.23	0.03	2.06e-03	-0.02	-2.72
		-4.70	-0.02	-2.16e-06	0.0	52.6	-3.44	-7.76	0.03	2.06e-03	-5.00e-04	-4.70
419	28	-9.48	-1.16e-03	2.49e-04	-30.61	0.0	-2.95	8.01	0.07	3.99e-03	-0.04	-10.03
		-13.86	-0.04	-3.68e-06	0.0	52.6	-2.95	-22.60	0.07	3.99e-03	-1.16e-03	-13.86
419	45	-3.01	-7.93e-04	8.35e-05	-7.98	0.0	-0.35	1.16	0.04	2.39e-03	-0.02	-3.06
		-4.55	-0.02	-2.00e-06	0.0	52.6	-0.35	-6.82	0.04	2.39e-03	-7.93e-04	-4.55
419	68	-6.49	-7.35e-04	1.83e-04	-21.04	0.0	-3.35	4.94	0.05	2.81e-03	-0.03	-6.79
		-9.73	-0.03	-2.72e-06	0.0	52.6	-3.35	-16.10	0.05	2.81e-03	-7.35e-04	-9.73
419	72	-3.03	-5.57e-04	1.06e-04	-8.80	0.0	-2.86	0.61	0.03	2.19e-03	-0.02	-3.04
		-5.03	-0.02	-2.09e-06	0.0	52.6	-2.86	-8.19	0.03	2.19e-03	-5.57e-04	-5.03
419	75	-5.51	-6.74e-04	1.65e-04	-17.36	0.0	-3.60	3.39	0.04	2.63e-03	-0.02	-5.68
		-8.47	-0.02	-2.65e-06	0.0	52.6	-3.60	-13.98	0.04	2.63e-03	-6.74e-04	-8.47
419	80	-6.58	-8.52e-04	1.75e-04	-21.04	0.0	-2.11	5.31	0.05	2.94e-03	-0.03	-6.93
		-9.67	-0.03	-2.65e-06	0.0	52.6	-2.11	-15.72	0.05	2.94e-03	-8.52e-04	-9.67
419	85	-3.22	-7.52e-04	9.32e-05	-8.80	0.0	-0.80	1.23	0.04	2.41e-03	-0.02	-3.27
		-4.93	-0.02	-1.99e-06	0.0	52.6	-0.80	-7.57	0.04	2.41e-03	-7.52e-04	-4.93
419	98	-5.36	-7.04e-04	1.46e-04	-17.36	0.0	-2.19	4.25	0.04	2.63e-03	-0.02	-5.64
		-7.97	-0.02	-2.24e-06	0.0	52.6	-2.19	-13.12	0.04	2.63e-03	-7.04e-04	-7.97
419	102	-3.12	-6.24e-04	1.01e-04	-8.80	0.0	-1.80	0.86	0.03	2.33e-03	-0.02	-3.14
		-5.00	-0.02	-1.88e-06	0.0	52.6	-1.80	-7.93	0.03	2.33e-03	-6.24e-04	-5.00
419	103	-5.04	-6.78e-04	1.41e-04	-16.14	0.0	-2.36	3.71	0.04	2.56e-03	-0.02	-5.26
		-7.55	-0.02	-2.23e-06	0.0	52.6	-2.36	-12.43	0.04	2.56e-03	-6.78e-04	-7.55
419	104	-3.15	-6.63e-04	9.83e-05	-8.80	0.0	-1.38	0.99	0.03	2.37e-03	-0.02	-3.18
		-4.98	-0.02	-1.86e-06	0.0	52.6	-1.38	-7.81	0.03	2.37e-03	-6.63e-04	-4.98
419	106	-3.14	-6.41e-04	9.96e-05	-8.80	0.0	-1.53	0.93	0.03	2.36e-03	-0.02	-3.16
		-4.99	-0.02	-1.83e-06	0.0	52.6	-1.53	-7.87	0.03	2.36e-03	-6.41e-04	-4.99

419	107	-5.05	-6.95e-04	1.40e-04	-16.14	0.0	-2.09	3.77	0.04	2.59e-03	-0.02	-5.28
		-7.54	-0.02	-2.18e-06	0.0	52.6	-2.09	-12.37	0.04	2.59e-03	-6.95e-04	-7.54
419	113	-5.14	0.32	1.58e-04	-16.14	0.0	-1.20	2.46	-0.57	-0.02	0.32	-5.21
		-8.30	0.02	2.00e-04	0.0	52.6	-1.20	-13.69	-0.57	-0.02	0.02	-8.30
419	117	-5.16	0.42	1.46e-04	-16.14	0.0	-1.65	3.01	-0.75	-0.01	0.42	-5.28
		-8.08	0.03	2.46e-04	0.0	52.6	-1.65	-13.13	-0.75	-0.01	0.03	-8.08
419	118	-4.91	-0.03	1.33e-04	-16.14	0.0	-2.53	4.54	0.83	0.02	-0.46	-5.29
		-7.01	-0.46	-2.50e-04	0.0	52.6	-2.53	-11.60	0.83	0.02	-0.03	-7.01
419	124	-3.44	-2.94e-03	2.22e-04	-16.14	0.0	-14.11	-0.13	0.09	-0.02	-0.05	-3.44
		-7.55	-0.05	1.92e-06	0.0	52.6	-14.11	-16.27	0.09	-0.02	-2.94e-03	-7.55
419	136	-3.49	0.23	1.99e-04	-16.14	0.0	-15.22	0.72	-0.41	8.29e-03	0.23	-3.51
		-7.31	0.02	1.32e-04	0.0	52.6	-15.22	-15.42	-0.41	8.29e-03	0.02	-7.31
419	139	-6.33	-0.02	8.04e-05	-16.14	0.0	11.04	6.82	0.49	-3.10e-03	-0.28	-7.06
		-7.78	-0.28	-1.36e-04	0.0	52.6	11.04	-9.32	0.49	-3.10e-03	-0.02	-7.78
419	145	-5.14	0.36	1.60e-04	-16.14	0.0	-1.09	2.29	-0.65	-0.03	0.36	-5.21
		-8.39	0.03	2.26e-04	0.0	52.6	-1.09	-13.86	-0.65	-0.03	0.03	-8.39
419	149	-5.17	0.48	1.47e-04	-16.14	0.0	-1.61	2.90	-0.85	-0.01	0.48	-5.27
		-8.15	0.03	2.80e-04	0.0	52.6	-1.61	-13.24	-0.85	-0.01	0.03	-8.15
419	150	-4.90	-0.03	1.32e-04	-16.14	0.0	-2.58	4.65	0.93	0.02	-0.52	-5.29
		-6.94	-0.52	-2.84e-04	0.0	52.6	-2.58	-11.49	0.93	0.02	-0.03	-6.94
419	156	-3.21	-3.23e-03	2.32e-04	-16.14	0.0	-15.61	-0.62	0.09	-0.02	-0.05	-3.21
		-7.55	-0.05	2.00e-06	0.0	52.6	-15.61	-16.76	0.09	-0.02	-3.23e-03	-7.55
419	168	-3.29	0.27	2.06e-04	-16.14	0.0	-16.87	0.34	-0.47	9.03e-03	0.27	-3.29
		-7.28	0.02	1.50e-04	0.0	52.6	-16.87	-15.80	-0.47	9.03e-03	0.02	-7.28
419	171	-6.47	-0.02	7.31e-05	-16.14	0.0	12.68	7.21	0.55	-3.84e-03	-0.31	-7.28
		-7.80	-0.31	-1.54e-04	0.0	52.6	12.68	-8.93	0.55	-3.84e-03	-0.02	-7.80
419	177	-5.14	0.36	1.61e-04	-16.14	0.0	-1.06	2.27	-0.64	-0.02	0.36	-5.20
		-8.37	0.03	2.30e-04	0.0	52.6	-1.06	-13.87	-0.64	-0.02	0.03	-8.37
419	181	-5.14	0.50	1.49e-04	-16.14	0.0	-1.69	2.82	-0.88	-0.01	0.50	-5.25
		-8.15	0.03	2.97e-04	0.0	52.6	-1.69	-13.32	-0.88	-0.01	0.03	-8.15
419	182	-4.91	-0.03	1.31e-04	-16.14	0.0	-2.49	4.73	0.96	0.02	-0.54	-5.32
		-6.94	-0.54	-3.01e-04	0.0	52.6	-2.49	-11.41	0.96	0.02	-0.03	-6.94
419	188	-3.26	-3.27e-03	2.30e-04	-16.14	0.0	-15.34	-0.54	0.09	-0.02	-0.05	-3.26
		-7.55	-0.05	0.0	0.0	52.6	-15.34	-16.68	0.09	-0.02	-3.27e-03	-7.55
419	200	-3.32	0.27	2.05e-04	-16.14	0.0	-16.72	0.37	-0.49	9.03e-03	0.27	-3.32
		-7.29	0.02	1.59e-04	0.0	52.6	-16.72	-15.77	-0.49	9.03e-03	0.02	-7.29
419	203	-6.44	-0.02	7.45e-05	-16.14	0.0	12.53	7.17	0.57	-3.84e-03	-0.32	-7.25
		-7.79	-0.32	-1.63e-04	0.0	52.6	12.53	-8.97	0.57	-3.84e-03	-0.02	-7.79
419	209	-5.14	0.43	1.65e-04	-16.14	0.0	-0.88	2.00	-0.77	-0.03	0.43	-5.19
		-8.51	0.03	2.73e-04	0.0	52.6	-0.88	-14.14	-0.77	-0.03	0.03	-8.51
419	213	-5.13	0.60	1.52e-04	-16.14	0.0	-1.74	2.57	-1.08	-0.02	0.60	-5.21
		-8.26	0.04	3.62e-04	0.0	52.6	-1.74	-13.57	-1.08	-0.02	0.04	-8.26
419	214	-4.90	-0.04	1.27e-04	-16.14	0.0	-2.44	4.98	1.16	0.02	-0.65	-5.35
		-6.82	-0.65	-3.67e-04	0.0	52.6	-2.44	-11.16	1.16	0.02	-0.04	-6.82
419	220	-2.94	-3.74e-03	2.45e-04	-16.14	0.0	-17.46	-1.24	0.11	-0.02	-0.06	-2.94
		-7.55	-0.06	-1.73e-06	0.0	52.6	-17.46	-17.38	0.11	-0.02	-3.74e-03	-7.55
419	232	-2.99	0.33	2.16e-04	-16.14	0.0	-19.16	-0.22	-0.59	0.01	0.33	-2.99
		-7.25	0.02	1.93e-04	0.0	52.6	-19.16	-16.36	-0.59	0.01	0.02	-7.25
419	235	-6.64	-0.02	6.31e-05	-16.14	0.0	14.97	7.77	0.67	-4.87e-03	-0.38	-7.58
		-7.83	-0.38	-1.97e-04	0.0	52.6	14.97	-8.37	0.67	-4.87e-03	-0.02	-7.83
420	19	-2.84	1.80e-03	-1.28e-05	-8.14	0.0	-1.04	2.16	3.13e-03	1.31e-03	2.69e-04	-3.00
		-4.02	2.69e-04	0.0	0.0	53.6	-1.04	-5.98	3.13e-03	1.31e-03	1.80e-03	-4.02
420	22	-6.12	2.55e-03	-2.60e-05	-21.26	0.0	-2.53	5.65	4.51e-03	2.04e-03	3.61e-04	-6.52
		-9.19	3.61e-04	0.0	0.0	53.6	-2.53	-15.61	4.51e-03	2.04e-03	2.55e-03	-9.19
420	28	-9.20	-2.75e-04	-2.59e-05	-31.23	0.0	-6.23	7.48	-1.09e-03	1.98e-03	-2.75e-04	-9.68
		-14.05	-1.06e-03	0.0	0.0	53.6	-6.23	-23.75	-1.09e-03	1.98e-03	-1.06e-03	-14.05
420	41	-4.80	-5.66e-04	1.76e-05	-12.50	0.0	-4.89	2.14	-4.61e-03	8.22e-04	-5.66e-04	-4.90
		-7.10	-3.10e-03	0.0	0.0	53.6	-4.89	-10.37	-4.61e-03	8.22e-04	-3.10e-03	-7.10
420	44	-8.09	-4.74e-04	1.86e-05	-25.62	0.0	-6.38	5.62	-3.23e-03	1.55e-03	-4.74e-04	-8.41
		-12.27	-2.35e-03	0.0	0.0	53.6	-6.38	-19.99	-3.23e-03	1.55e-03	-2.35e-03	-12.27
420	72	-3.16	1.04e-03	-1.10e-05	-8.98	0.0	-1.54	2.21	1.95e-03	1.22e-03	1.38e-04	-3.31
		-4.53	1.38e-04	0.0	0.0	53.6	-1.54	-6.77	1.95e-03	1.22e-03	1.04e-03	-4.53
420	75	-5.34	1.54e-03	-2.01e-05	-17.72	0.0	-2.54	4.53	2.86e-03	1.71e-03	1.99e-04	-5.65
		-7.97	1.99e-04	0.0	0.0	53.6	-2.54	-13.19	2.86e-03	1.71e-03	1.54e-03	-7.97
420	80	-6.42	-2.04e-04	-1.76e-05	-21.47	0.0	-4.38	5.10	-8.61e-04	1.41e-03	-2.04e-04	-6.75
		-9.77	-8.05e-04	0.0	0.0	53.6	-4.38	-16.36	-8.61e-04	1.41e-03	-8.05e-04	-9.77
420	85	-3.49	-3.98e-04	1.21e-05	-8.98	0.0	-3.49	1.54	-3.20e-03	6.38e-04	-3.98e-04	-3.56
		-5.14	-2.17e-03	0.0	0.0	53.6	-3.49	-7.44	-3.20e-03	6.38e-04	-2.17e-03	-5.14
420	88	-5.68	-3.37e-04	1.28e-05	-17.72	0.0	-4.48	3.86	-2.29e-03	1.13e-03	-3.37e-04	-5.90
		-8.58	-1.67e-03	0.0	0.0	53.6	-4.48	-13.86	-2.29e-03	1.13e-03	-1.67e-03	-8.58
420	98	-5.22	-4.72e-05	-1.65e-05	-17.72	0.0	-3.17	4.45	3.01e-04	1.33e-03	-7.01e-05	-5.52
		-7.88	-7.01e-05	0.0	0.0	53.6	-3.17	-13.27	3.01e-04	1.33e-03	-4.72e-05	-7.88
420	102	-3.29	-7.97e-05	-7.53e-06	-8.98	0.0	-2.16	1.95	-8.06e-05	9.91e-04	-7.97e-05	-3.41
		-4.77	-2.28e-04	0.0	0.0	53.6	-2.16	-7.03	-8.06e-05	9.91e-04	-2.28e-04	-4.77
420	103	-4.92	1.99e-04	-1.59e-05	-16.47	0.0	-2.90	4.15	6.81e-04	1.33e-03	-2.48e-05	-5.20

		-7.39	-2.48e-05	0.0	0.0	53.6	-2.90	-12.32	6.81e-04	1.33e-03	1.99e-04	-7.39
420	104	-3.36	-1.87e-04	-5.99e-06	-8.98	0.0	-2.55	1.82	-1.11e-03	8.75e-04	-1.87e-04	-3.46
		-4.89	-8.70e-04	0.0	0.0	53.6	-2.55	-7.16	-1.11e-03	8.75e-04	-8.70e-04	-4.89
420	105	-4.98	-1.32e-04	-1.43e-05	-16.47	0.0	-3.29	4.02	-3.49e-04	1.21e-03	-1.32e-04	-5.25
		-7.51	-4.43e-04	0.0	0.0	53.6	-3.29	-12.45	-3.49e-04	1.21e-03	-4.43e-04	-7.51
420	106	-3.33	-1.34e-04	-6.77e-06	-8.98	0.0	-2.31	1.89	-5.87e-04	9.34e-04	-1.34e-04	-3.43
		-4.83	-5.46e-04	0.0	0.0	53.6	-2.31	-7.09	-5.87e-04	9.34e-04	-5.46e-04	-4.83
420	107	-4.95	-7.92e-05	-1.51e-05	-16.47	0.0	-3.05	4.08	1.74e-04	1.27e-03	-7.92e-05	-5.22
		-7.45	-1.18e-04	0.0	0.0	53.6	-3.05	-12.39	1.74e-04	1.27e-03	-1.18e-04	-7.45
420	108	-5.01	0.58	-4.00e-05	-16.47	0.0	-0.08	5.95	1.07	0.02	0.01	-5.34
		-7.33	0.01	1.26e-04	0.0	53.6	-0.08	-10.52	1.07	0.02	0.58	-7.33
420	111	-4.89	-0.01	4.40e-05	-16.47	0.0	-6.02	2.22	-1.07	-0.02	-0.01	-5.11
		-7.56	-0.58	-1.26e-04	0.0	53.6	-6.02	-14.25	-1.07	-0.02	-0.58	-7.56
420	134	-3.45	0.05	-5.44e-05	-16.47	0.0	1.53	7.27	0.09	3.55e-03	3.33e-04	-4.41
		-4.71	3.33e-04	-5.81e-05	0.0	53.6	1.53	-9.20	0.09	3.55e-03	0.05	-4.71
420	136	-3.52	0.33	-6.60e-05	-16.47	0.0	2.44	7.84	0.61	0.02	5.83e-03	-4.55
		-4.71	5.83e-03	1.78e-05	0.0	53.6	2.44	-8.63	0.61	0.02	0.33	-4.71
420	139	-5.90	-5.99e-03	7.30e-05	-16.47	0.0	-8.54	0.33	-0.61	-0.02	-5.99e-03	-5.90
		-10.19	-0.33	-1.76e-05	0.0	53.6	-8.54	-16.14	-0.61	-0.02	-0.33	-10.19
420	140	-5.01	0.66	-4.40e-05	-16.47	0.0	0.29	6.19	1.21	0.03	0.01	-5.35
		-7.32	0.01	1.42e-04	0.0	53.6	0.29	-10.28	1.21	0.03	0.66	-7.32
420	143	-4.88	-0.01	4.91e-05	-16.47	0.0	-6.39	1.98	-1.21	-0.03	-0.01	-5.09
		-7.58	-0.66	-1.42e-04	0.0	53.6	-6.39	-14.49	-1.21	-0.03	-0.66	-7.58
420	165	-6.14	-5.54e-04	6.73e-05	-16.47	0.0	-8.21	0.50	-0.10	-1.32e-03	-5.54e-04	-6.14
		-10.53	-0.05	6.63e-05	0.0	53.6	-8.21	-15.97	-0.10	-1.32e-03	-0.05	-10.53
420	166	-3.23	0.05	-6.08e-05	-16.47	0.0	2.11	7.67	0.10	3.87e-03	3.96e-04	-4.31
		-4.37	3.96e-04	-6.60e-05	0.0	53.6	2.11	-8.80	0.10	3.87e-03	0.05	-4.37
420	168	-3.31	0.38	-7.45e-05	-16.47	0.0	3.13	8.31	0.69	0.02	6.57e-03	-4.46
		-4.46	6.57e-03	2.03e-05	0.0	53.6	3.13	-8.16	0.69	0.02	0.38	-4.46
420	171	-5.98	-6.73e-03	8.18e-05	-16.47	0.0	-9.23	-0.14	-0.69	-0.02	-6.73e-03	-5.98
		-10.53	-0.38	-2.01e-05	0.0	53.6	-9.23	-16.61	-0.69	-0.02	-0.38	-10.53
420	172	-5.00	0.65	-4.37e-05	-16.47	0.0	0.25	6.15	1.20	0.03	0.01	-5.34
		-7.30	0.01	1.52e-04	0.0	53.6	0.25	-10.32	1.20	0.03	0.65	-7.30
420	175	-4.90	-0.01	4.86e-05	-16.47	0.0	-6.35	2.02	-1.20	-0.02	-0.01	-5.11
		-7.60	-0.65	-1.52e-04	0.0	53.6	-6.35	-14.45	-1.20	-0.02	-0.65	-7.60
420	198	-3.26	0.05	-6.01e-05	-16.47	0.0	2.05	7.63	0.10	4.01e-03	4.82e-04	-4.32
		-4.41	4.82e-04	-7.26e-05	0.0	53.6	2.05	-8.84	0.10	4.01e-03	0.05	-4.41
420	200	-3.33	0.38	-7.40e-05	-16.47	0.0	3.09	8.26	0.69	0.02	6.51e-03	-4.47
		-4.47	6.51e-03	2.20e-05	0.0	53.6	3.09	-8.21	0.69	0.02	0.38	-4.47
420	203	-5.97	-6.67e-03	8.13e-05	-16.47	0.0	-9.19	-0.09	-0.69	-0.02	-6.67e-03	-5.97
		-10.49	-0.38	-2.17e-05	0.0	53.6	-9.19	-16.56	-0.69	-0.02	-0.38	-10.49
420	204	-5.00	0.76	-5.00e-05	-16.47	0.0	0.80	6.48	1.40	0.03	0.01	-5.35
		-7.26	0.01	1.84e-04	0.0	53.6	0.80	-9.99	1.40	0.03	0.76	-7.26
420	207	-4.89	-0.01	5.62e-05	-16.47	0.0	-6.91	1.69	-1.40	-0.03	-0.01	-5.09
		-7.63	-0.76	-1.84e-04	0.0	53.6	-6.91	-14.78	-1.40	-0.03	-0.76	-7.63
420	230	-2.94	0.06	-6.98e-05	-16.47	0.0	2.89	8.22	0.11	4.67e-03	6.10e-04	-4.18
		-4.18	6.10e-04	-8.93e-05	0.0	53.6	2.89	-8.25	0.11	4.67e-03	0.06	-4.18
420	232	-3.01	0.44	-8.72e-05	-16.47	0.0	4.12	8.96	0.81	0.03	7.72e-03	-4.35
		-4.35	7.72e-03	2.69e-05	0.0	53.6	4.12	-7.51	0.81	0.03	0.44	-4.35
420	235	-6.10	-7.87e-03	9.44e-05	-16.47	0.0	-10.22	-0.79	-0.81	-0.02	-7.87e-03	-6.10
		-10.99	-0.44	-2.66e-05	0.0	53.6	-10.22	-17.26	-0.81	-0.02	-0.44	-10.99
421	19	-2.35	3.39e-04	-1.39e-05	-8.14	0.0	-1.53	3.71	1.25e-03	8.99e-04	-2.19e-04	-2.80
		-3.00	-2.19e-04	0.0	0.0	53.6	-1.53	-4.43	1.25e-03	8.99e-04	3.39e-04	-3.00
421	22	-4.78	4.70e-04	-3.18e-05	-21.26	0.0	-3.22	9.50	2.20e-03	1.43e-03	-5.23e-04	-5.91
		-6.52	-5.23e-04	0.0	0.0	53.6	-3.22	-11.75	2.20e-03	1.43e-03	4.70e-04	-6.52
421	28	-7.15	-1.88e-04	-3.74e-05	-31.23	0.0	-6.48	14.06	1.53e-03	1.25e-03	-8.47e-04	-8.85
		-9.68	-8.47e-04	0.0	0.0	53.6	-6.48	-17.18	1.53e-03	1.25e-03	-1.88e-04	-9.68
421	72	-2.60	1.99e-04	-1.32e-05	-8.98	0.0	-1.95	4.10	1.05e-03	8.12e-04	-2.57e-04	-3.10
		-3.31	-2.57e-04	0.0	0.0	53.6	-1.95	-4.88	1.05e-03	8.12e-04	1.99e-04	-3.31
421	75	-4.21	2.86e-04	-2.53e-05	-17.72	0.0	-3.07	7.96	1.67e-03	1.17e-03	-4.60e-04	-5.17
		-5.65	-4.60e-04	0.0	0.0	53.6	-3.07	-9.76	1.67e-03	1.17e-03	2.86e-04	-5.65
421	80	-5.01	-1.43e-04	-2.56e-05	-21.47	0.0	-4.57	9.68	1.05e-03	8.80e-04	-5.89e-04	-6.18
		-6.75	-5.89e-04	0.0	0.0	53.6	-4.57	-11.79	1.05e-03	8.80e-04	-1.43e-04	-6.75
421	98	-4.10	-9.02e-06	-2.23e-05	-17.72	0.0	-3.48	8.03	1.07e-03	8.48e-04	-4.73e-04	-5.08
		-5.52	-4.73e-04	0.0	0.0	53.6	-3.48	-9.69	1.07e-03	8.48e-04	-9.02e-06	-5.52
421	102	-2.70	-3.60e-05	-1.06e-05	-8.98	0.0	-2.41	4.12	6.09e-04	6.12e-04	-2.84e-04	-3.21
		-3.41	-2.84e-04	0.0	0.0	53.6	-2.41	-4.86	6.09e-04	6.12e-04	-3.60e-05	-3.41
421	103	-3.88	3.75e-05	-2.11e-05	-16.47	0.0	-3.23	7.47	1.10e-03	8.57e-04	-4.40e-04	-4.78
		-5.20	-4.40e-04	0.0	0.0	53.6	-3.23	-9.00	1.10e-03	8.57e-04	3.75e-05	-5.20
421	105	-3.93	-7.87e-05	-1.99e-05	-16.47	0.0	-3.52	7.48	8.81e-04	7.55e-04	-4.53e-04	-4.84
		-5.25	-4.53e-04	0.0	0.0	53.6	-3.52	-8.99	8.81e-04	7.55e-04	-7.87e-05	-5.25
421	106	-2.73	-9.47e-05	-1.01e-05	-8.98	0.0	-2.52	4.13	5.00e-04	5.63e-04	-2.91e-04	-3.24
		-3.43	-2.91e-04	0.0	0.0	53.6	-2.52	-4.85	5.00e-04	5.63e-04	-9.47e-05	-3.43
421	107	-3.90	-2.13e-05	-2.05e-05	-16.47	0.0	-3.35	7.47	9.90e-04	8.07e-04	-4.47e-04	-4.81
		-5.22	-4.47e-04	0.0	0.0	53.6	-3.35	-9.00	9.90e-04	8.07e-04	-2.13e-05	-5.22

421	108	-3.94	0.03	-3.12e-05	-16.47	0.0	-1.56	7.10	0.06	0.03	-5.73e-03	-4.78
		-5.34	-5.73e-03	1.18e-04	0.0	53.6	-1.56	-9.37	0.06	0.03	0.03	-5.34
421	111	-3.87	4.83e-03	1.37e-05	-16.47	0.0	-5.13	7.85	-0.06	-0.02	4.83e-03	-4.84
		-5.11	-0.03	-1.18e-04	0.0	53.6	-5.13	-8.62	-0.06	-0.02	-0.03	-5.11
421	133	-4.87	-3.38e-04	2.08e-05	-16.47	0.0	-6.33	7.98	-2.44e-03	-1.25e-03	-3.38e-04	-5.91
		-6.04	-1.62e-03	5.29e-05	0.0	53.6	-6.33	-8.49	-2.44e-03	-1.25e-03	-1.62e-03	-6.04
421	134	-2.93	1.57e-03	-3.70e-05	-16.47	0.0	-0.36	6.96	4.42e-03	2.87e-03	-5.57e-04	-3.72
		-4.41	-5.57e-04	-5.27e-05	0.0	53.6	-0.36	-9.51	4.42e-03	2.87e-03	1.57e-03	-4.41
421	136	-3.06	0.02	-4.08e-05	-16.47	0.0	0.15	6.85	0.04	0.02	-3.63e-03	-3.84
		-4.55	-3.63e-03	1.88e-05	0.0	53.6	0.15	-9.62	0.04	0.02	0.02	-4.55
421	139	-4.74	2.74e-03	2.65e-05	-16.47	0.0	-6.85	8.09	-0.03	-0.02	2.74e-03	-5.79
		-5.90	-0.02	-1.85e-05	0.0	53.6	-6.85	-8.38	-0.03	-0.02	-0.02	-5.90
421	140	-3.94	0.03	-3.27e-05	-16.47	0.0	-1.34	7.05	0.07	0.03	-6.38e-03	-4.78
		-5.35	-6.38e-03	1.33e-04	0.0	53.6	-1.34	-9.42	0.07	0.03	0.03	-5.35
421	143	-3.86	5.49e-03	1.60e-05	-16.47	0.0	-5.35	7.89	-0.07	-0.03	5.49e-03	-4.85
		-5.09	-0.03	-1.33e-04	0.0	53.6	-5.35	-8.58	-0.07	-0.03	-0.03	-5.09
421	165	-4.98	-3.20e-04	2.40e-05	-16.47	0.0	-6.71	8.05	-2.89e-03	-1.55e-03	-3.20e-04	-6.04
		-6.14	-1.83e-03	6.02e-05	0.0	53.6	-6.71	-8.42	-2.89e-03	-1.55e-03	-1.83e-03	-6.14
421	166	-2.81	1.79e-03	-3.92e-05	-16.47	0.0	0.01	6.90	4.87e-03	3.16e-03	-5.75e-04	-3.58
		-4.31	-5.75e-04	-5.99e-05	0.0	53.6	0.01	-9.57	4.87e-03	3.16e-03	1.79e-03	-4.31
421	168	-2.96	0.02	-4.39e-05	-16.47	0.0	0.59	6.78	0.04	0.02	-4.04e-03	-3.72
		-4.46	-4.04e-03	2.14e-05	0.0	53.6	0.59	-9.69	0.04	0.02	0.02	-4.46
421	171	-4.84	3.14e-03	3.04e-05	-16.47	0.0	-7.29	8.17	-0.04	-0.02	3.14e-03	-5.91
		-5.98	-0.02	-2.11e-05	0.0	53.6	-7.29	-8.30	-0.04	-0.02	-0.02	-5.98
421	172	-3.93	0.03	-3.27e-05	-16.47	0.0	-1.37	7.06	0.07	0.03	-6.27e-03	-4.76
		-5.34	-6.27e-03	1.44e-04	0.0	53.6	-1.37	-9.41	0.07	0.03	0.03	-5.34
421	175	-3.88	5.38e-03	1.59e-05	-16.47	0.0	-5.32	7.89	-0.07	-0.03	5.38e-03	-4.86
		-5.11	-0.03	-1.43e-04	0.0	53.6	-5.32	-8.58	-0.07	-0.03	-0.03	-5.11
421	197	-4.96	-2.90e-04	2.37e-05	-16.47	0.0	-6.67	8.03	-3.03e-03	-1.73e-03	-2.90e-04	-6.02
		-6.12	-1.92e-03	6.70e-05	0.0	53.6	-6.67	-8.44	-3.03e-03	-1.73e-03	-1.92e-03	-6.12
421	198	-2.83	1.87e-03	-3.90e-05	-16.47	0.0	-0.02	6.91	5.01e-03	3.34e-03	-6.05e-04	-3.61
		-4.32	-6.05e-04	-6.67e-05	0.0	53.6	-0.02	-9.56	5.01e-03	3.34e-03	1.87e-03	-4.32
421	200	-2.97	0.02	-4.37e-05	-16.47	0.0	0.56	6.79	0.04	0.02	-4.05e-03	-3.73
		-4.47	-4.05e-03	2.35e-05	0.0	53.6	0.56	-9.68	0.04	0.02	0.02	-4.47
421	203	-4.83	3.15e-03	3.03e-05	-16.47	0.0	-7.25	8.16	-0.04	-0.02	3.15e-03	-5.90
		-5.97	-0.02	-2.32e-05	0.0	53.6	-7.25	-8.31	-0.04	-0.02	-0.02	-5.97
421	204	-3.93	0.04	-3.50e-05	-16.47	0.0	-1.04	6.99	0.08	0.03	-7.27e-03	-4.75
		-5.35	-7.27e-03	1.75e-04	0.0	53.6	-1.04	-9.48	0.08	0.03	0.04	-5.35
421	207	-3.88	6.38e-03	1.93e-05	-16.47	0.0	-5.65	7.96	-0.08	-0.03	6.38e-03	-4.88
		-5.09	-0.04	-1.75e-04	0.0	53.6	-5.65	-8.51	-0.08	-0.03	-0.04	-5.09
421	229	-5.13	-2.51e-04	2.83e-05	-16.47	0.0	-7.22	8.12	-3.82e-03	-2.37e-03	-2.51e-04	-6.21
		-6.26	-2.29e-03	8.27e-05	0.0	53.6	-7.22	-8.35	-3.82e-03	-2.37e-03	-2.29e-03	-6.26
421	230	-2.66	2.25e-03	-4.25e-05	-16.47	0.0	0.52	6.82	5.80e-03	3.99e-03	-6.43e-04	-3.41
		-4.18	-6.43e-04	-8.24e-05	0.0	53.6	0.52	-9.65	5.80e-03	3.99e-03	2.25e-03	-4.18
421	232	-2.81	0.02	-4.83e-05	-16.47	0.0	1.22	6.68	0.05	0.03	-4.72e-03	-3.55
		-4.35	-4.72e-03	2.90e-05	0.0	53.6	1.22	-9.79	0.05	0.03	0.02	-4.35
421	235	-4.98	3.82e-03	3.62e-05	-16.47	0.0	-7.91	8.27	-0.05	-0.03	3.82e-03	-6.08
		-6.10	-0.02	-2.87e-05	0.0	53.6	-7.91	-8.20	-0.05	-0.03	-0.02	-6.10
422	4	-5.19	-0.01	-4.35e-05	-15.69	0.0	-5.27	7.69	-0.05	8.44e-03	-0.01	-6.20
		-6.28	-0.04	-1.35e-06	0.0	53.6	-5.27	-8.00	-0.05	8.44e-03	-0.04	-6.28
422	19	-1.82	-5.51e-03	-2.16e-05	-4.17	0.0	-1.70	2.02	-0.02	0.01	-5.51e-03	-2.09
		-2.12	-0.01	-1.22e-06	0.0	53.6	-1.70	-2.15	-0.02	0.01	-0.01	-2.12
422	28	-5.35	-0.01	-3.34e-05	-15.69	0.0	-6.36	7.83	-0.05	-5.59e-04	-0.01	-6.40
		-6.41	-0.04	0.0	0.0	53.6	-6.36	-7.86	-0.05	-5.59e-04	-0.04	-6.41
422	45	-2.10	-2.78e-03	-3.53e-06	-4.17	0.0	-3.52	2.27	-0.02	-4.35e-03	-2.78e-03	-2.43
		-2.43	-0.01	0.0	0.0	53.6	-3.52	-1.90	-0.02	-4.35e-03	-0.01	-2.33
422	68	-3.65	-8.30e-03	-2.99e-05	-10.80	0.0	-3.77	5.30	-0.03	5.70e-03	-8.30e-03	-4.35
		-4.40	-0.03	0.0	0.0	53.6	-3.77	-5.49	-0.03	5.70e-03	-0.03	-4.40
422	72	-2.00	-5.23e-03	-1.90e-05	-4.58	0.0	-2.08	2.27	-0.02	7.44e-03	-5.23e-03	-2.30
		-2.31	-0.02	0.0	0.0	53.6	-2.08	-2.32	-0.02	7.44e-03	-0.02	-2.31
422	80	-3.76	-7.21e-03	-2.32e-05	-10.80	0.0	-4.50	5.40	-0.04	-2.98e-04	-7.21e-03	-4.49
		-4.49	-0.03	0.0	0.0	53.6	-4.50	-5.40	-0.04	-2.98e-04	-0.03	-4.48
422	85	-2.18	-3.41e-03	-6.61e-06	-4.58	0.0	-3.29	2.43	-0.02	-2.56e-03	-3.41e-03	-2.53
		-2.53	-0.01	0.0	0.0	53.6	-3.29	-2.15	-0.02	-2.56e-03	-0.01	-2.45
422	98	-3.10	-6.36e-03	-2.16e-05	-8.93	0.0	-3.52	4.45	-0.03	1.45e-03	-6.36e-03	-3.69
		-3.70	-0.02	0.0	0.0	53.6	-3.52	-4.48	-0.03	1.45e-03	-0.02	-3.70
422	102	-2.07	-4.36e-03	-1.34e-05	-4.58	0.0	-2.48	2.33	-0.02	2.20e-03	-4.36e-03	-2.39
		-2.39	-0.01	0.0	0.0	53.6	-2.48	-2.25	-0.02	2.20e-03	-0.01	-2.37
422	104	-2.11	-3.99e-03	-1.09e-05	-4.58	0.0	-2.72	2.37	-0.02	2.05e-04	-3.99e-03	-2.44
		-2.44	-0.01	0.0	0.0	53.6	-2.72	-2.22	-0.02	2.05e-04	-0.01	-2.40
422	105	-2.97	-5.90e-03	-1.92e-05	-8.31	0.0	-3.53	4.17	-0.03	6.76e-04	-5.90e-03	-3.53
		-3.53	-0.02	0.0	0.0	53.6	-3.53	-4.14	-0.03	6.76e-04	-0.02	-3.53
422	106	-2.09	-4.14e-03	-1.22e-05	-4.58	0.0	-2.58	2.35	-0.02	8.96e-04	-4.14e-03	-2.41
		-2.41	-0.01	0.0	0.0	53.6	-2.58	-2.23	-0.02	8.96e-04	-0.01	-2.38
422	107	-2.96	-6.04e-03	-2.03e-05	-8.31	0.0	-3.39	4.15	-0.03	1.37e-03	-6.04e-03	-3.51

		-3.51	-0.02	0.0	0.0	53.6	-3.39	-4.16	-0.03	1.37e-03	-0.02	-3.51
422	108	-0.87	8.34e-03	-1.20e-05	-8.31	0.0	11.45	3.82	0.03	0.04	-0.01	-1.41
		-1.45	-0.01	1.17e-04	0.0	53.6	11.45	-4.49	0.03	0.04	8.34e-03	-1.45
422	111	-5.04	-1.17e-03	-3.46e-05	-8.31	0.0	-18.22	4.48	-0.09	-0.03	-1.17e-03	-5.61
		-5.61	-0.05	-1.18e-04	0.0	53.6	-18.22	-3.83	-0.09	-0.03	-0.05	-5.58
422	113	-1.36	0.02	2.23e-05	-8.31	0.0	8.26	4.18	0.05	0.03	-9.23e-03	-1.94
		-1.94	-9.23e-03	1.19e-04	0.0	53.6	8.26	-4.13	0.05	0.03	0.02	-1.90
422	114	-4.55	-2.86e-03	-6.00e-05	-8.31	0.0	-15.04	4.12	-0.10	-0.03	-2.86e-03	-5.08
		-5.13	-0.06	-1.20e-04	0.0	53.6	-15.04	-4.19	-0.10	-0.03	-0.06	-5.13
422	140	-0.61	0.01	-1.13e-05	-8.31	0.0	13.33	3.78	0.04	0.04	-0.01	-1.15
		-1.19	-0.01	1.33e-04	0.0	53.6	13.33	-4.53	0.04	0.04	0.01	-1.19
422	143	-5.30	-5.76e-04	-3.66e-05	-8.31	0.0	-20.10	4.52	-0.09	-0.04	-5.76e-04	-5.88
		-5.88	-0.05	-1.34e-04	0.0	53.6	-20.10	-3.79	-0.09	-0.04	-0.05	-5.84
422	145	-1.16	0.02	2.75e-05	-8.31	0.0	9.74	4.19	0.05	0.03	-9.61e-03	-1.75
		-1.75	-9.61e-03	1.35e-04	0.0	53.6	9.74	-4.12	0.05	0.03	0.02	-1.69
422	146	-4.75	-2.48e-03	-6.51e-05	-8.31	0.0	-16.51	4.11	-0.11	-0.03	-2.48e-03	-5.28
		-5.33	-0.06	-1.36e-04	0.0	53.6	-16.51	-4.20	-0.11	-0.03	-0.06	-5.33
422	172	-0.63	0.01	-1.24e-05	-8.31	0.0	13.25	3.81	0.04	0.04	-0.01	-1.17
		-1.21	-0.01	1.43e-04	0.0	53.6	13.25	-4.50	0.04	0.04	0.01	-1.21
422	175	-5.28	-8.08e-04	-3.44e-05	-8.31	0.0	-20.02	4.49	-0.09	-0.04	-8.08e-04	-5.86
		-5.86	-0.05	-1.44e-04	0.0	53.6	-20.02	-3.82	-0.09	-0.04	-0.05	-5.82
422	177	-1.18	0.02	2.46e-05	-8.31	0.0	9.67	4.21	0.05	0.03	-9.41e-03	-1.76
		-1.76	-9.41e-03	1.45e-04	0.0	53.6	9.67	-4.10	0.05	0.03	0.02	-1.71
422	178	-4.73	-2.68e-03	-6.23e-05	-8.31	0.0	-16.44	4.09	-0.11	-0.03	-2.68e-03	-5.26
		-5.32	-0.06	-1.46e-04	0.0	53.6	-16.44	-4.22	-0.11	-0.03	-0.06	-5.32
422	204	-0.24	0.02	-1.21e-05	-8.31	0.0	16.11	3.76	0.05	0.05	-0.01	-0.77
		-0.82	-0.01	1.74e-04	0.0	53.6	16.11	-4.55	0.05	0.05	0.02	-0.82
422	207	-5.67	3.79e-05	-3.58e-05	-8.31	0.0	-22.89	4.54	-0.10	-0.04	3.79e-05	-6.26
		-6.26	-0.06	-1.75e-04	0.0	53.6	-22.89	-3.77	-0.10	-0.04	-0.06	-6.21
422	209	-0.87	0.03	3.05e-05	-8.31	0.0	11.92	4.22	0.07	0.04	-9.95e-03	-1.46
		-1.46	-9.95e-03	1.77e-04	0.0	53.6	11.92	-4.09	0.07	0.04	0.03	-1.40
422	210	-5.04	-2.14e-03	-6.82e-05	-8.31	0.0	-18.69	4.08	-0.12	-0.03	-2.14e-03	-5.56
		-5.63	-0.07	-1.77e-04	0.0	53.6	-18.69	-4.23	-0.12	-0.03	-0.07	-5.63
423	4	-4.94	0.11	-8.93e-05	-15.69	0.0	-4.49	8.86	0.29	0.01	-0.04	-6.28
		-6.28	-0.04	-6.10e-06	0.0	53.6	-4.49	-6.83	0.29	0.01	0.11	-5.74
423	19	-1.51	0.05	-4.45e-05	-4.17	0.0	-1.30	3.09	0.12	9.10e-03	-0.02	-2.12
		-2.12	-0.02	-3.00e-06	0.0	53.6	-1.30	-1.08	0.12	9.10e-03	0.05	-1.58
423	28	-5.33	0.10	-6.67e-05	-15.69	0.0	-5.87	7.96	0.26	5.36e-03	-0.04	-6.41
		-6.41	-0.04	-4.97e-06	0.0	53.6	-5.87	-7.74	0.26	5.36e-03	0.10	-6.35
423	44	-4.81	0.08	-4.80e-05	-12.90	0.0	-5.90	6.20	0.21	2.86e-03	-0.03	-5.60
		-5.74	-0.03	-3.96e-06	0.0	53.6	-5.90	-6.70	0.21	2.86e-03	0.08	-5.74
423	68	-3.47	0.08	-6.20e-05	-10.80	0.0	-3.24	6.10	0.20	7.90e-03	-0.03	-4.40
		-4.40	-0.03	-4.24e-06	0.0	53.6	-3.24	-4.69	0.20	7.90e-03	0.08	-4.02
423	72	-1.77	0.04	-4.03e-05	-4.58	0.0	-1.73	3.06	0.12	7.12e-03	-0.02	-2.31
		-2.31	-0.02	-2.74e-06	0.0	53.6	-1.73	-1.53	0.12	7.12e-03	0.04	-1.90
423	80	-3.73	0.07	-4.68e-05	-10.80	0.0	-4.15	5.50	0.18	3.82e-03	-0.03	-4.48
		-4.48	-0.03	-3.48e-06	0.0	53.6	-4.15	-5.30	0.18	3.82e-03	0.07	-4.43
423	88	-3.39	0.05	-3.44e-05	-8.93	0.0	-4.17	4.33	0.15	2.15e-03	-0.02	-3.95
		-4.02	-0.02	-2.81e-06	0.0	53.6	-4.17	-4.61	0.15	2.15e-03	0.05	-4.02
423	98	-3.01	0.06	-4.49e-05	-8.93	0.0	-3.16	4.82	0.16	4.37e-03	-0.02	-3.70
		-3.70	-0.02	-3.08e-06	0.0	53.6	-3.16	-4.11	0.16	4.37e-03	0.06	-3.51
423	102	-1.95	0.04	-3.03e-05	-4.58	0.0	-2.25	2.66	0.10	3.66e-03	-0.01	-2.37
		-2.37	-0.01	-2.09e-06	0.0	53.6	-2.25	-1.92	0.10	3.66e-03	0.04	-2.17
423	105	-2.91	0.05	-3.99e-05	-8.31	0.0	-3.23	4.39	0.15	3.65e-03	-0.02	-3.53
		-3.53	-0.02	-2.82e-06	0.0	53.6	-3.23	-3.92	0.15	3.65e-03	0.05	-3.40
423	106	-2.00	0.04	-2.78e-05	-4.58	0.0	-2.38	2.56	0.10	2.79e-03	-0.01	-2.38
		-2.38	-0.01	-1.93e-06	0.0	53.6	-2.38	-2.02	0.10	2.79e-03	0.04	-2.24
423	107	-2.86	0.06	-4.25e-05	-8.31	0.0	-3.05	4.50	0.15	4.15e-03	-0.02	-3.51
		-3.51	-0.02	-2.91e-06	0.0	53.6	-3.05	-3.81	0.15	4.15e-03	0.06	-3.33
423	108	4.44e-03	0.61	-1.13e-05	-8.31	0.0	16.79	2.42	1.15	-0.02	-3.67e-03	-1.45
		-1.45	-3.67e-03	1.24e-04	0.0	53.6	16.79	-5.89	1.15	-0.02	0.61	-0.08
423	111	-5.41	-0.04	-8.48e-05	-8.31	0.0	-22.89	6.57	-0.85	0.03	-0.04	-5.58
		-6.58	-0.50	-1.30e-04	0.0	53.6	-22.89	-1.74	-0.85	0.03	-0.50	-6.58
423	136	0.14	0.34	-1.40e-04	-8.31	0.0	6.95	8.69	0.66	0.03	-0.03	-2.54
		-2.54	-0.03	1.25e-05	0.0	53.6	6.95	0.37	0.66	0.03	0.34	0.14
423	139	-4.49	-0.01	5.45e-05	-8.31	0.0	-13.05	0.31	-0.36	-0.02	-0.01	-4.49
		-6.80	-0.23	-1.83e-05	0.0	53.6	-13.05	-8.00	-0.36	-0.02	-0.23	-6.80
423	140	0.39	0.68	-9.10e-06	-8.31	0.0	19.30	2.16	1.27	-0.02	-1.43e-03	-1.19
		-1.19	-1.43e-03	1.40e-04	0.0	53.6	19.30	-6.15	1.27	-0.02	0.68	0.33
423	143	-5.71	-0.04	-9.00e-05	-8.31	0.0	-25.40	6.83	-0.98	0.03	-0.04	-5.84
		-6.99	-0.57	-1.46e-04	0.0	53.6	-25.40	-1.48	-0.98	0.03	-0.57	-6.99
423	168	0.58	0.38	-1.52e-04	-8.31	0.0	8.27	9.21	0.72	0.03	-0.03	-2.42
		-2.42	-0.03	1.47e-05	0.0	53.6	8.27	0.90	0.72	0.03	0.38	0.58
423	171	-4.61	-8.99e-03	6.68e-05	-8.31	0.0	-14.37	-0.22	-0.42	-0.02	-8.99e-03	-4.61
		-7.24	-0.27	-2.05e-05	0.0	53.6	-14.37	-8.53	-0.42	-0.02	-0.27	-7.24

423	172	0.36	0.68	-1.12e-05	-8.31	0.0	19.29	2.32	1.27	-0.02	-2.15e-03	-1.21
		-1.21	-2.15e-03	1.50e-04	0.0	53.6	19.29	-6.00	1.27	-0.02	0.68	0.31
423	175	-5.69	-0.04	-8.56e-05	-8.31	0.0	-25.39	6.68	-0.97	0.03	-0.04	-5.82
		-6.97	-0.56	-1.56e-04	0.0	53.6	-25.39	-1.63	-0.97	0.03	-0.56	-6.97
423	200	0.60	0.38	-1.52e-04	-8.31	0.0	8.57	9.20	0.73	0.03	-0.03	-2.41
		-2.41	-0.03	1.64e-05	0.0	53.6	8.57	0.89	0.73	0.03	0.38	0.60
423	203	-4.62	-9.07e-03	6.73e-05	-8.31	0.0	-14.67	-0.21	-0.43	-0.02	-9.07e-03	-4.62
		-7.26	-0.27	-2.22e-05	0.0	53.6	-14.67	-8.52	-0.43	-0.02	-0.27	-7.26
423	204	0.96	0.78	-9.40e-06	-8.31	0.0	23.19	2.02	1.46	-0.03	8.58e-04	-0.82
		-0.82	8.58e-04	1.82e-04	0.0	53.6	23.19	-6.29	1.46	-0.03	0.78	0.94
423	207	-6.13	-0.04	-9.05e-05	-8.31	0.0	-29.29	6.98	-1.16	0.04	-0.04	-6.21
		-7.60	-0.67	-1.88e-04	0.0	53.6	-29.29	-1.33	-1.16	0.04	-0.67	-7.60
423	232	1.31	0.45	-1.71e-04	-8.31	0.0	10.90	9.98	0.84	0.03	-0.04	-2.20
		-2.20	-0.04	2.09e-05	0.0	53.6	10.90	1.67	0.84	0.03	0.45	1.31
423	235	-4.83	-7.14e-03	8.58e-05	-8.31	0.0	-17.00	-0.99	-0.54	-0.02	-7.14e-03	-4.83
		-7.97	-0.33	-2.67e-05	0.0	53.6	-17.00	-9.30	-0.54	-0.02	-0.33	-7.97
424	4	-3.53	-0.01	2.54e-04	-17.44	0.0	-6.76	1.29	0.04	3.37e-03	-0.04	-3.55
		-7.98	-0.04	-5.26e-06	0.0	59.6	-6.76	-16.15	0.04	3.37e-03	-0.01	-7.98
424	18	-2.94	-0.01	2.31e-04	-14.33	0.0	-8.22	0.29	0.03	3.11e-03	-0.03	-2.94
		-7.04	-0.03	-5.12e-06	0.0	59.6	-8.22	-14.04	0.03	3.11e-03	-0.01	-7.04
424	19	-0.98	-5.92e-03	1.07e-04	-4.63	0.0	-6.46	-1.04	0.02	1.72e-03	-0.01	-0.98
		-2.98	-0.01	-3.04e-06	0.0	59.6	-6.46	-5.68	0.02	1.72e-03	-5.92e-03	-2.98
424	28	-3.63	-0.01	2.35e-04	-17.44	0.0	-1.44	1.93	0.04	3.56e-03	-0.04	-3.69
		-7.74	-0.04	-5.00e-06	0.0	59.6	-1.44	-15.51	0.04	3.56e-03	-0.01	-7.74
424	45	-1.20	-4.13e-03	7.43e-05	-4.63	0.0	2.41	0.02	0.02	2.03e-03	-0.02	-1.20
		-2.57	-0.02	-2.59e-06	0.0	59.6	2.41	-4.61	0.02	2.03e-03	-4.13e-03	-2.57
424	68	-2.45	-9.20e-03	1.78e-04	-12.00	0.0	-4.71	0.76	0.03	2.46e-03	-0.03	-2.46
		-5.59	-0.03	-3.79e-06	0.0	59.6	-4.71	-11.24	0.03	2.46e-03	-9.20e-03	-5.59
424	72	-1.11	-5.91e-03	1.07e-04	-5.09	0.0	-5.01	-0.80	0.02	1.81e-03	-0.02	-1.11
		-3.10	-0.02	-2.93e-06	0.0	59.6	-5.01	-5.90	0.02	1.81e-03	-5.91e-03	-3.10
424	75	-2.05	-8.51e-03	1.63e-04	-9.93	0.0	-5.68	0.09	0.02	2.29e-03	-0.02	-2.05
		-4.96	-0.02	-3.70e-06	0.0	59.6	-5.68	-9.83	0.02	2.29e-03	-8.51e-03	-4.96
424	80	-2.52	-8.49e-03	1.65e-04	-12.00	0.0	-1.16	1.18	0.03	2.59e-03	-0.03	-2.55
		-5.42	-0.03	-3.61e-06	0.0	59.6	-1.16	-10.81	0.03	2.59e-03	-8.49e-03	-5.42
424	85	-1.26	-4.71e-03	8.57e-05	-5.09	0.0	0.91	-0.09	0.02	2.02e-03	-0.02	-1.26
		-2.83	-0.02	-2.63e-06	0.0	59.6	0.91	-5.19	0.02	2.02e-03	-4.71e-03	-2.83
424	98	-2.05	-7.48e-03	1.43e-04	-9.93	0.0	-2.52	0.77	0.02	2.22e-03	-0.02	-2.07
		-4.57	-0.02	-3.12e-06	0.0	59.6	-2.52	-9.15	0.02	2.22e-03	-7.48e-03	-4.57
424	102	-1.17	-5.43e-03	9.87e-05	-5.09	0.0	-2.55	-0.52	0.02	1.86e-03	-0.02	-1.17
		-3.00	-0.02	-2.62e-06	0.0	59.6	-2.55	-5.61	0.02	1.86e-03	-5.43e-03	-3.00
424	103	-1.92	-7.29e-03	1.38e-04	-9.24	0.0	-3.05	0.53	0.02	2.16e-03	-0.02	-1.93
		-4.37	-0.02	-3.12e-06	0.0	59.6	-3.05	-8.71	0.02	2.16e-03	-7.29e-03	-4.37
424	104	-1.20	-5.20e-03	9.44e-05	-5.09	0.0	-1.36	-0.38	0.02	1.91e-03	-0.02	-1.20
		-2.94	-0.02	-2.56e-06	0.0	59.6	-1.36	-5.47	0.02	1.91e-03	-5.20e-03	-2.94
424	106	-1.18	-5.32e-03	9.66e-05	-5.09	0.0	-1.93	-0.45	0.02	1.88e-03	-0.02	-1.18
		-2.97	-0.02	-2.54e-06	0.0	59.6	-1.93	-5.54	0.02	1.88e-03	-5.32e-03	-2.97
424	107	-1.93	-7.17e-03	1.36e-04	-9.24	0.0	-2.44	0.60	0.02	2.17e-03	-0.02	-1.94
		-4.34	-0.02	-3.04e-06	0.0	59.6	-2.44	-8.64	0.02	2.17e-03	-7.17e-03	-4.34
424	113	-1.21	0.25	-1.63e-04	-9.24	0.0	21.08	16.38	-0.42	-0.02	0.25	-8.42
		-8.42	2.82e-03	2.30e-04	0.0	59.6	21.08	7.15	-0.42	-0.02	2.82e-03	-1.21
424	114	4.53	-0.02	4.36e-04	-9.24	0.0	-25.96	-15.19	0.47	0.02	-0.30	4.53
		-7.47	-0.30	-2.36e-04	0.0	59.6	-25.96	-24.42	0.47	0.02	-0.02	-7.47
424	117	-2.30	0.34	-6.96e-05	-9.24	0.0	-9.97	11.86	-0.56	-0.01	0.34	-6.93
		-6.93	1.31e-03	2.82e-04	0.0	59.6	-9.97	2.62	-0.56	-0.01	1.31e-03	-2.30
424	118	3.04	-0.02	3.42e-04	-9.24	0.0	5.09	-10.66	0.61	0.02	-0.38	3.04
		-6.38	-0.38	-2.88e-04	0.0	59.6	5.09	-19.90	0.61	0.02	-0.02	-6.38
424	133	-1.19	-7.79e-03	-1.80e-04	-9.24	0.0	30.96	13.54	0.05	5.06e-03	-0.04	-6.66
		-6.66	-0.04	-3.04e-06	0.0	59.6	30.96	4.31	0.05	5.06e-03	-7.79e-03	-1.19
424	134	2.77	-5.15e-03	4.52e-04	-9.24	0.0	-35.84	-12.35	-3.41e-03	-7.20e-04	-5.15e-03	2.77
		-7.49	-6.55e-03	-3.04e-06	0.0	59.6	-35.84	-21.58	-3.41e-03	-7.20e-04	-6.55e-03	-7.49
424	145	-0.82	0.29	-2.01e-04	-9.24	0.0	24.04	18.37	-0.48	-0.02	0.29	-9.24
		-9.24	4.08e-03	2.59e-04	0.0	59.6	24.04	9.14	-0.48	-0.02	4.08e-03	-0.82
424	146	5.35	-0.02	4.73e-04	-9.24	0.0	-28.92	-17.18	0.53	0.03	-0.33	5.35
		-7.86	-0.33	-2.65e-04	0.0	59.6	-28.92	-26.41	0.53	0.03	-0.02	-7.86
424	149	-2.05	0.38	-9.54e-05	-9.24	0.0	-10.96	13.28	-0.63	-0.01	0.38	-7.57
		-7.57	2.44e-03	3.20e-04	0.0	59.6	-10.96	4.04	-0.63	-0.01	2.44e-03	-2.05
424	150	3.68	-0.02	3.68e-04	-9.24	0.0	6.08	-12.08	0.68	0.02	-0.43	3.68
		-6.63	-0.43	-3.26e-04	0.0	59.6	6.08	-21.32	0.68	0.02	-0.02	-6.63
424	165	-0.80	-7.89e-03	-2.19e-04	-9.24	0.0	35.16	15.16	0.06	5.39e-03	-0.04	-7.25
		-7.25	-0.04	-3.53e-06	0.0	59.6	35.16	5.92	0.06	5.39e-03	-7.89e-03	-0.80
424	166	3.36	-2.64e-03	4.92e-04	-9.24	0.0	-40.04	-13.96	-7.58e-03	-1.05e-03	-2.64e-03	3.36
		-7.89	-6.45e-03	-2.55e-06	0.0	59.6	-40.04	-23.20	-7.58e-03	-1.05e-03	-6.45e-03	-7.89
424	177	-0.95	0.29	-1.94e-04	-9.24	0.0	23.55	18.06	-0.48	-0.02	0.29	-9.17
		-9.17	4.03e-03	2.64e-04	0.0	59.6	23.55	8.82	-0.48	-0.02	4.03e-03	-0.95
424	178	5.28	-0.02	4.66e-04	-9.24	0.0	-28.43	-16.86	0.53	0.02	-0.33	5.28

		-7.73	-0.33	-2.70e-04	0.0	59.6	-28.43	-26.10	0.53	0.02	-0.02	-7.73
424	184	-3.33	0.40	3.18e-05	-9.24	0.0	-28.48	8.84	-0.66	-0.02	0.40	-6.03
		-6.03	6.39e-03	3.41e-04	0.0	59.6	-28.48	-0.39	-0.66	-0.02	6.39e-03	-3.33
424	187	2.14	-0.02	2.40e-04	-9.24	0.0	23.60	-7.65	0.70	0.02	-0.44	2.14
		-5.35	-0.44	-3.47e-04	0.0	59.6	23.60	-16.88	0.70	0.02	-0.02	-5.35
424	200	-0.11	0.22	3.55e-04	-9.24	0.0	-39.69	-5.99	-0.37	-0.01	0.22	-0.11
		-6.48	1.10e-03	1.83e-04	0.0	59.6	-39.69	-15.22	-0.37	-0.01	1.10e-03	-6.48
424	203	-2.08	-0.02	-8.26e-05	-9.24	0.0	34.81	7.18	0.41	0.02	-0.26	-3.78
		-3.78	-0.26	-1.89e-04	0.0	59.6	34.81	-2.05	0.41	0.02	-0.02	-2.20
424	209	-0.43	0.34	-2.48e-04	-9.24	0.0	27.80	20.93	-0.57	-0.02	0.34	-10.39
		-10.39	5.97e-03	3.13e-04	0.0	59.6	27.80	11.69	-0.57	-0.02	5.97e-03	-0.43
424	210	6.50	-0.02	5.20e-04	-9.24	0.0	-32.68	-19.73	0.61	0.03	-0.39	6.50
		-8.25	-0.39	-3.19e-04	0.0	59.6	-32.68	-28.97	0.61	0.03	-0.02	-8.25
424	216	-3.18	0.48	1.11e-05	-9.24	0.0	-33.27	10.47	-0.80	-0.02	0.48	-6.87
		-6.87	9.20e-03	4.16e-04	0.0	59.6	-33.27	1.24	-0.80	-0.02	9.20e-03	-3.18
424	219	2.98	-0.02	2.61e-04	-9.24	0.0	28.40	-9.28	0.85	0.03	-0.53	2.98
		-5.50	-0.53	-4.22e-04	0.0	59.6	28.40	-18.51	0.85	0.03	-0.02	-5.50
424	232	0.14	0.27	3.89e-04	-9.24	0.0	-46.06	-6.96	-0.44	-0.02	0.27	0.14
		-6.83	2.77e-03	2.23e-04	0.0	59.6	-46.06	-16.19	-0.44	-0.02	2.77e-03	-6.83
424	235	-1.82	-0.02	-1.17e-04	-9.24	0.0	41.18	8.15	0.49	0.02	-0.31	-4.03
		-4.03	-0.31	-2.29e-04	0.0	59.6	41.18	-1.09	0.49	0.02	-0.02	-1.85
425	4	-6.30	1.01e-04	8.12e-05	-17.44	0.0	-3.69	9.94	0.02	3.37e-03	-0.01	-7.98
		-7.98	-0.01	-6.98e-06	0.0	59.6	-3.69	-7.50	0.02	3.37e-03	1.01e-04	-7.26
425	18	-5.61	2.07e-04	7.39e-05	-14.33	0.0	-4.63	8.28	0.02	3.11e-03	-0.01	-7.04
		-7.04	-0.01	-6.70e-06	0.0	59.6	-4.63	-6.05	0.02	3.11e-03	2.07e-04	-6.37
425	21	-4.19	3.21e-04	5.62e-05	-11.88	0.0	-4.22	6.89	0.02	2.23e-03	-9.16e-03	-5.38
		-5.38	-9.16e-03	-5.12e-06	0.0	59.6	-4.22	-4.99	0.02	2.23e-03	3.21e-04	-4.81
425	45	-2.22	-9.21e-04	2.35e-05	-4.63	0.0	1.48	2.33	5.39e-03	2.03e-03	-4.13e-03	-2.57
		-2.57	-4.13e-03	-3.15e-06	0.0	59.6	1.48	-2.31	5.39e-03	2.03e-03	-9.21e-04	-2.56
425	68	-4.43	6.17e-06	5.69e-05	-12.00	0.0	-2.57	6.83	0.02	2.46e-03	-9.20e-03	-5.59
		-5.59	-9.20e-03	-5.00e-06	0.0	59.6	-2.57	-5.17	0.02	2.46e-03	6.17e-06	-5.09
425	74	-3.73	9.00e-05	4.90e-05	-9.93	0.0	-3.19	5.71	0.01	2.15e-03	-8.07e-03	-4.70
		-4.70	-8.07e-03	-4.58e-06	0.0	59.6	-3.19	-4.22	0.01	2.15e-03	9.00e-05	-4.26
425	75	-3.97	7.67e-05	5.21e-05	-9.93	0.0	-3.20	5.72	0.01	2.29e-03	-8.51e-03	-4.96
		-4.96	-8.51e-03	-4.82e-06	0.0	59.6	-3.20	-4.20	0.01	2.29e-03	7.67e-05	-4.51
425	85	-2.42	-7.39e-04	2.72e-05	-5.09	0.0	0.61	2.67	6.67e-03	2.02e-03	-4.71e-03	-2.83
		-2.83	-4.71e-03	-3.26e-06	0.0	59.6	0.61	-2.43	6.67e-03	2.02e-03	-7.39e-04	-2.76
425	98	-3.64	-2.47e-04	4.55e-05	-9.93	0.0	-1.31	5.56	0.01	2.22e-03	-7.48e-03	-4.57
		-4.57	-7.48e-03	-4.11e-06	0.0	59.6	-1.31	-4.37	0.01	2.22e-03	-2.47e-04	-4.22
425	103	-3.50	-2.01e-04	4.41e-05	-9.24	0.0	-1.65	5.20	0.01	2.16e-03	-7.29e-03	-4.37
		-4.37	-7.29e-03	-4.08e-06	0.0	59.6	-1.65	-4.04	0.01	2.16e-03	-2.01e-04	-4.02
425	104	-2.48	-4.65e-04	3.01e-05	-5.09	0.0	-0.70	2.79	7.94e-03	1.91e-03	-5.20e-03	-2.94
		-2.94	-5.20e-03	-3.24e-06	0.0	59.6	-0.70	-2.30	7.94e-03	1.91e-03	-4.65e-04	-2.79
425	106	-2.50	-3.97e-04	3.08e-05	-5.09	0.0	-1.03	2.83	8.25e-03	1.88e-03	-5.32e-03	-2.97
		-2.97	-5.32e-03	-3.24e-06	0.0	59.6	-1.03	-2.27	8.25e-03	1.88e-03	-3.97e-04	-2.80
425	107	-3.48	-2.69e-04	4.34e-05	-9.24	0.0	-1.27	5.17	0.01	2.17e-03	-7.17e-03	-4.34
		-4.34	-7.17e-03	-3.99e-06	0.0	59.6	-1.27	-4.07	0.01	2.17e-03	-2.69e-04	-4.01
425	108	-0.97	7.90e-03	-3.75e-05	-9.24	0.0	-18.10	7.99	2.98e-03	-0.03	5.94e-03	-2.22
		-2.22	5.94e-03	2.34e-04	0.0	59.6	-18.10	-1.24	2.98e-03	-0.03	7.90e-03	-1.26
425	109	-0.34	5.32e-03	-2.36e-05	-9.24	0.0	-8.79	6.74	5.22e-03	-0.02	2.08e-03	-1.66
		-1.66	2.08e-03	2.79e-04	0.0	59.6	-8.79	-2.50	5.22e-03	-0.02	5.32e-03	-0.60
425	111	-5.92	-8.43e-03	1.23e-04	-9.24	0.0	15.55	2.34	0.02	0.03	-0.02	-6.46
		-6.77	-0.02	-2.42e-04	0.0	59.6	15.55	-6.90	0.02	0.03	-8.43e-03	-6.77
425	115	-5.87	-7.84e-03	1.27e-04	-9.24	0.0	15.70	2.27	0.02	0.03	-0.02	-6.01
		-7.51	-0.02	-2.89e-04	0.0	59.6	15.70	-6.96	0.02	0.03	-7.84e-03	-7.51
425	132	-1.71	4.10e-03	-2.45e-05	-9.24	0.0	-20.92	8.14	6.43e-03	-0.02	1.62e-04	-6.05
		-6.05	1.62e-04	1.54e-04	0.0	59.6	-20.92	-1.10	6.43e-03	-0.02	4.10e-03	-1.71
425	135	-2.63	-4.64e-03	1.09e-04	-9.24	0.0	18.38	2.19	0.02	0.02	-0.01	-2.63
		-6.32	-0.01	-1.62e-04	0.0	59.6	18.38	-7.04	0.02	0.02	-4.64e-03	-6.32
425	140	-0.65	8.92e-03	-4.68e-05	-9.24	0.0	-20.22	8.35	1.90e-03	-0.03	7.60e-03	-1.96
		-1.96	7.60e-03	2.64e-04	0.0	59.6	-20.22	-0.89	1.90e-03	-0.03	8.92e-03	-0.91
425	141	0.06	6.03e-03	-2.94e-05	-9.24	0.0	-9.76	6.94	4.41e-03	-0.02	3.26e-03	-1.33
		-1.33	3.26e-03	3.16e-04	0.0	59.6	-9.76	-2.30	4.41e-03	-0.02	6.03e-03	-0.17
425	143	-6.22	-9.46e-03	1.33e-04	-9.24	0.0	17.68	1.98	0.02	0.03	-0.02	-6.72
		-7.12	-0.02	-2.72e-04	0.0	59.6	17.68	-7.25	0.02	0.03	-9.46e-03	-7.12
425	147	-6.12	-8.80e-03	1.38e-04	-9.24	0.0	17.85	1.91	0.02	0.03	-0.02	-6.22
		-7.95	-0.02	-3.25e-04	0.0	59.6	17.85	-7.33	0.02	0.03	-8.80e-03	-7.95
425	164	-1.42	4.67e-03	-3.14e-05	-9.24	0.0	-23.41	8.52	5.76e-03	-0.02	1.11e-03	-6.27
		-6.27	1.11e-03	1.74e-04	0.0	59.6	-23.41	-0.72	5.76e-03	-0.02	4.67e-03	-1.42
425	167	-2.42	-5.20e-03	1.17e-04	-9.24	0.0	20.86	1.81	0.02	0.02	-0.02	-2.42
		-6.60	-0.02	-1.82e-04	0.0	59.6	20.86	-7.42	0.02	0.02	-5.20e-03	-6.60
425	172	-0.70	8.85e-03	-4.65e-05	-9.24	0.0	-20.12	8.32	1.87e-03	-0.03	7.56e-03	-2.05
		-2.05	7.56e-03	2.68e-04	0.0	59.6	-20.12	-0.91	1.87e-03	-0.03	8.85e-03	-0.94
425	173	-7.83e-03	5.99e-03	-2.92e-05	-9.24	0.0	-9.89	6.95	4.37e-03	-0.02	3.27e-03	-1.46
		-1.46	3.27e-03	3.22e-04	0.0	59.6	-9.89	-2.29	4.37e-03	-0.02	5.99e-03	-0.21

425	175	-6.15	-9.38e-03	1.33e-04	-9.24	0.0	17.58	2.01	0.02	0.03	-0.02	-6.63
		-7.09	-0.02	-2.76e-04	0.0	59.6	17.58	-7.23	0.02	0.03	-9.38e-03	-7.09
425	179	-6.04	-8.75e-03	1.37e-04	-9.24	0.0	17.85	1.91	0.02	0.03	-0.02	-6.12
		-7.91	-0.02	-3.32e-04	0.0	59.6	17.85	-7.32	0.02	0.03	-8.75e-03	-7.91
425	196	-1.46	4.69e-03	-3.07e-05	-9.24	0.0	-23.35	8.52	5.64e-03	-0.02	1.23e-03	-6.26
		-6.26	1.23e-03	1.80e-04	0.0	59.6	-23.35	-0.72	5.64e-03	-0.02	4.69e-03	-1.46
425	199	-2.43	-5.23e-03	1.17e-04	-9.24	0.0	20.80	1.82	0.02	0.02	-0.02	-2.43
		-6.57	-0.02	-1.88e-04	0.0	59.6	20.80	-7.42	0.02	0.02	-5.23e-03	-6.57
425	204	-0.23	0.01	-6.19e-05	-9.24	0.0	-23.36	8.86	1.52e-04	-0.03	0.01	-1.70
		-1.70	0.01	3.18e-04	0.0	59.6	-23.36	-0.37	1.52e-04	-0.03	0.01	-0.42
425	205	0.58	7.09e-03	-3.88e-05	-9.24	0.0	-11.51	7.27	3.07e-03	-0.02	5.14e-03	-1.03
		-1.03	5.14e-03	3.83e-04	0.0	59.6	-11.51	-1.96	3.07e-03	-0.02	7.09e-03	0.44
425	207	-6.57	-0.01	1.49e-04	-9.24	0.0	20.81	1.47	0.02	0.04	-0.02	-6.98
		-7.61	-0.02	-3.26e-04	0.0	59.6	20.81	-7.77	0.02	0.04	-0.01	-7.61
425	211	-6.35	-0.01	1.53e-04	-9.24	0.0	21.19	1.35	0.02	0.03	-0.02	-6.38
		-8.57	-0.02	-3.93e-04	0.0	59.6	21.19	-7.89	0.02	0.03	-0.01	-8.57
425	228	-1.03	5.59e-03	-4.22e-05	-9.24	0.0	-27.14	9.10	4.51e-03	-0.02	2.80e-03	-6.57
		-6.57	2.80e-03	2.16e-04	0.0	59.6	-27.14	-0.14	4.51e-03	-0.02	5.59e-03	-1.03
425	231	-2.11	-6.13e-03	1.29e-04	-9.24	0.0	24.59	1.23	0.02	0.02	-0.02	-2.11
		-7.00	-0.02	-2.24e-04	0.0	59.6	24.59	-8.00	0.02	0.02	-6.13e-03	-7.00
426	4	-5.43	5.96e-03	-1.52e-05	-17.44	0.0	-2.36	10.35	9.84e-03	3.37e-03	1.01e-04	-7.26
		-7.26	1.01e-04	-6.98e-06	0.0	59.6	-2.36	-7.09	9.84e-03	3.37e-03	5.96e-03	-6.28
426	17	-4.45	5.15e-03	-1.18e-05	-14.33	0.0	-2.85	8.64	8.26e-03	2.90e-03	2.27e-04	-6.00
		-6.00	2.27e-04	-6.32e-06	0.0	59.6	-2.85	-5.69	8.26e-03	2.90e-03	5.15e-03	-5.12
426	19	-2.10	2.67e-03	5.05e-06	-4.63	0.0	-2.25	3.05	4.32e-03	1.72e-03	9.64e-05	-2.69
		-2.69	9.64e-05	-3.81e-06	0.0	59.6	-2.25	-1.59	4.32e-03	1.72e-03	2.67e-03	-2.26
426	42	-3.49	3.35e-03	-6.47e-06	-7.08	0.0	0.25	3.87	7.36e-03	2.92e-03	-1.04e-03	-4.12
		-4.12	-1.04e-03	-4.86e-06	0.0	59.6	0.25	-3.22	7.36e-03	2.92e-03	3.35e-03	-3.93
426	46	-2.55	2.35e-03	-4.52e-06	-4.63	0.0	0.53	2.43	5.52e-03	2.24e-03	-9.41e-04	-2.93
		-2.93	-9.41e-04	-3.63e-06	0.0	59.6	0.53	-2.20	5.52e-03	2.24e-03	2.35e-03	-2.86
426	68	-3.84	4.22e-03	-1.03e-05	-12.00	0.0	-1.65	7.12	7.07e-03	2.46e-03	6.17e-06	-5.09
		-5.09	6.17e-06	-5.01e-06	0.0	59.6	-1.65	-4.88	7.07e-03	2.46e-03	4.22e-03	-4.43
426	72	-2.24	2.69e-03	4.08e-06	-5.09	0.0	-1.76	3.21	4.62e-03	1.81e-03	-6.00e-05	-2.85
		-2.85	-6.00e-05	-3.72e-06	0.0	59.6	-1.76	-1.89	4.62e-03	1.81e-03	2.69e-03	-2.45
426	74	-3.19	3.68e-03	-8.10e-06	-9.93	0.0	-1.98	5.98	6.02e-03	2.15e-03	9.00e-05	-4.26
		-4.26	9.00e-05	-4.57e-06	0.0	59.6	-1.98	-3.94	6.02e-03	2.15e-03	3.68e-03	-3.65
426	86	-2.55	2.48e-03	-4.53e-06	-5.09	0.0	0.09	2.80	5.42e-03	2.16e-03	-7.52e-04	-3.00
		-3.00	-7.52e-04	-3.60e-06	0.0	59.6	0.09	-2.30	5.42e-03	2.16e-03	2.48e-03	-2.86
426	98	-3.22	3.47e-03	-9.09e-06	-9.93	0.0	-0.94	5.76	6.24e-03	2.22e-03	-2.47e-04	-4.22
		-4.22	-2.47e-04	-4.15e-06	0.0	59.6	-0.94	-4.16	6.24e-03	2.22e-03	3.47e-03	-3.74
426	102	-2.28	2.53e-03	-3.63e-06	-5.09	0.0	-0.93	3.03	4.79e-03	1.86e-03	-3.30e-04	-2.81
		-2.81	-3.30e-04	-3.38e-06	0.0	59.6	-0.93	-2.06	4.79e-03	1.86e-03	2.53e-03	-2.52
426	103	-3.08	3.37e-03	-8.14e-06	-9.24	0.0	-1.12	5.41	5.99e-03	2.16e-03	-2.01e-04	-4.02
		-4.02	-2.01e-04	-4.11e-06	0.0	59.6	-1.12	-3.83	5.99e-03	2.16e-03	3.37e-03	-3.55
426	104	-2.29	2.44e-03	-4.03e-06	-5.09	0.0	-0.56	2.94	4.88e-03	1.91e-03	-4.65e-04	-2.79
		-2.79	-4.65e-04	-3.31e-06	0.0	59.6	-0.56	-2.15	4.88e-03	1.91e-03	2.44e-03	-2.56
426	106	-2.28	2.48e-03	-3.83e-06	-5.09	0.0	-0.73	2.99	4.83e-03	1.88e-03	-3.97e-04	-2.80
		-2.80	-3.97e-04	-3.30e-06	0.0	59.6	-0.73	-2.11	4.83e-03	1.88e-03	2.48e-03	-2.54
426	107	-3.09	3.33e-03	-8.34e-06	-9.24	0.0	-0.91	5.37	6.04e-03	2.17e-03	-2.69e-04	-4.01
		-4.01	-2.69e-04	-4.03e-06	0.0	59.6	-0.91	-3.87	6.04e-03	2.17e-03	3.33e-03	-3.57
426	108	-0.21	7.90e-03	-1.41e-05	-9.24	0.0	-14.94	4.36	-0.02	-0.03	7.90e-03	-1.26
		-1.26	-5.49e-03	2.37e-04	0.0	59.6	-14.94	-4.87	-0.02	-0.03	-5.49e-03	-0.61
426	111	-5.96	0.01	7.10e-06	-9.24	0.0	13.12	6.37	0.03	0.03	-8.43e-03	-6.77
		-6.77	-8.43e-03	-2.45e-04	0.0	59.6	13.12	-2.87	0.03	0.03	0.01	-6.53
426	112	0.04	7.30e-03	-1.38e-05	-9.24	0.0	-14.23	4.68	-0.02	-0.03	7.30e-03	-0.52
		-0.79	-5.41e-03	2.85e-04	0.0	59.6	-14.23	-4.55	-0.02	-0.03	-5.41e-03	-0.79
426	115	-6.12	0.01	5.77e-06	-9.24	0.0	12.42	6.05	0.03	0.03	-7.84e-03	-7.51
		-7.51	-7.84e-03	-2.93e-04	0.0	59.6	12.42	-3.19	0.03	0.03	0.01	-6.35
426	140	0.16	8.92e-03	-1.49e-05	-9.24	0.0	-16.71	4.24	-0.03	-0.03	8.92e-03	-0.91
		-0.91	-6.61e-03	2.68e-04	0.0	59.6	-16.71	-5.00	-0.03	-0.03	-6.61e-03	-0.23
426	143	-6.32	0.01	7.63e-06	-9.24	0.0	14.89	6.49	0.04	0.03	-9.46e-03	-7.12
		-7.12	-9.46e-03	-2.76e-04	0.0	59.6	14.89	-2.74	0.04	0.03	0.01	-6.91
426	144	0.44	8.26e-03	-1.45e-05	-9.24	0.0	-15.93	4.60	-0.02	-0.03	8.26e-03	-0.08
		-0.44	-6.51e-03	3.22e-04	0.0	59.6	-15.93	-4.64	-0.02	-0.03	-6.51e-03	-0.44
426	147	-6.50	0.01	6.13e-06	-9.24	0.0	14.11	6.13	0.04	0.03	-8.80e-03	-7.95
		-7.95	-8.80e-03	-3.30e-04	0.0	59.6	14.11	-3.10	0.04	0.03	0.01	-6.70
426	172	0.14	8.85e-03	-1.50e-05	-9.24	0.0	-16.72	4.32	-0.03	-0.03	8.85e-03	-0.94
		-0.94	-6.50e-03	2.71e-04	0.0	59.6	-16.72	-4.92	-0.03	-0.03	-6.50e-03	-0.24
426	175	-6.31	0.01	7.87e-06	-9.24	0.0	14.90	6.41	0.04	0.03	-9.38e-03	-7.09
		-7.09	-9.38e-03	-2.79e-04	0.0	59.6	14.90	-2.82	0.04	0.03	0.01	-6.90
426	176	0.42	8.21e-03	-1.46e-05	-9.24	0.0	-16.01	4.68	-0.02	-0.03	8.21e-03	-0.12
		-0.43	-6.40e-03	3.28e-04	0.0	59.6	-16.01	-4.56	-0.02	-0.03	-6.40e-03	-0.43
426	179	-6.49	0.01	6.37e-06	-9.24	0.0	14.19	6.05	0.04	0.03	-8.75e-03	-7.91
		-7.91	-8.75e-03	-3.36e-04	0.0	59.6	14.19	-3.19	0.04	0.03	0.01	-6.71
426	204	0.70	0.01	-1.62e-05	-9.24	0.0	-19.49	4.18	-0.03	-0.03	0.01	-0.42

		-0.42	-8.16e-03	3.21e-04	0.0	59.6	-19.49	-5.06	-0.03	-0.03	-8.16e-03	0.35
426	207	-6.86	0.01	8.78e-06	-9.24	0.0	17.67	6.55	0.04	0.04	-0.01	-7.61
		-7.61	-0.01	-3.30e-04	0.0	59.6	17.67	-2.68	0.04	0.04	0.01	-7.48
426	208	1.04	9.70e-03	-1.58e-05	-9.24	0.0	-18.71	4.61	-0.03	-0.03	9.70e-03	0.54
		0.13	-8.05e-03	3.90e-04	0.0	59.6	-18.71	-4.63	-0.03	-0.03	-8.05e-03	0.13
426	211	-7.08	0.01	7.03e-06	-9.24	0.0	16.89	6.12	0.04	0.03	-0.01	-8.57
		-8.57	-0.01	-3.98e-04	0.0	59.6	16.89	-3.11	0.04	0.03	0.01	-7.27
427	4	-4.55	5.96e-03	-5.03e-05	-17.44	0.0	-2.32	10.08	-0.05	3.37e-03	5.96e-03	-6.28
		-6.28	-0.02	-6.24e-06	0.0	59.6	-2.32	-7.35	-0.05	3.37e-03	-0.02	-5.47
427	17	-3.68	5.15e-03	-3.91e-05	-14.33	0.0	-2.90	8.34	-0.04	2.90e-03	5.15e-03	-5.12
		-5.12	-0.02	-5.68e-06	0.0	59.6	-2.90	-5.99	-0.04	2.90e-03	-0.02	-4.42
427	19	-1.73	2.67e-03	-1.47e-05	-4.63	0.0	-2.38	2.86	-0.02	1.72e-03	2.67e-03	-2.26
		-2.26	-0.01	-3.48e-06	0.0	59.6	-2.38	-1.77	-0.02	1.72e-03	-0.01	-1.93
427	28	-4.75	5.59e-03	-5.75e-05	-17.44	0.0	-0.48	9.96	-0.05	3.56e-03	5.59e-03	-6.44
		-6.44	-0.03	-5.97e-06	0.0	59.6	-0.48	-7.48	-0.05	3.56e-03	-0.03	-5.70
427	46	-2.39	2.35e-03	-3.29e-05	-4.63	0.0	0.70	2.71	-0.03	2.24e-03	2.35e-03	-2.86
		-2.86	-0.01	-3.35e-06	0.0	59.6	0.70	-1.92	-0.03	2.24e-03	-0.01	-2.63
427	68	-3.23	4.22e-03	-3.56e-05	-12.00	0.0	-1.62	6.95	-0.04	2.46e-03	4.22e-03	-4.43
		-4.43	-0.02	-4.49e-06	0.0	59.6	-1.62	-5.05	-0.04	2.46e-03	-0.02	-3.86
427	72	-1.89	2.69e-03	-1.82e-05	-5.09	0.0	-1.83	3.09	-0.02	1.81e-03	2.69e-03	-2.45
		-2.45	-0.01	-3.39e-06	0.0	59.6	-1.83	-2.01	-0.02	1.81e-03	-0.01	-2.13
427	74	-2.65	3.68e-03	-2.80e-05	-9.93	0.0	-2.01	5.78	-0.03	2.15e-03	3.68e-03	-3.65
		-3.65	-0.01	-4.11e-06	0.0	59.6	-2.01	-4.14	-0.03	2.15e-03	-0.01	-3.16
427	80	-3.36	3.97e-03	-4.05e-05	-12.00	0.0	-0.39	6.87	-0.04	2.59e-03	3.97e-03	-4.53
		-4.53	-0.02	-4.31e-06	0.0	59.6	-0.39	-5.13	-0.04	2.59e-03	-0.02	-4.02
427	86	-2.33	2.48e-03	-3.04e-05	-5.09	0.0	0.22	2.99	-0.03	2.16e-03	2.48e-03	-2.86
		-2.86	-0.01	-3.30e-06	0.0	59.6	0.22	-2.11	-0.03	2.16e-03	-0.01	-2.59
427	98	-2.76	3.47e-03	-3.20e-05	-9.93	0.0	-0.87	5.72	-0.03	2.22e-03	3.47e-03	-3.74
		-3.74	-0.02	-3.72e-06	0.0	59.6	-0.87	-4.21	-0.03	2.22e-03	-0.02	-3.29
427	102	-1.99	2.53e-03	-2.21e-05	-5.09	0.0	-0.92	3.03	-0.02	1.86e-03	2.53e-03	-2.52
		-2.52	-0.01	-3.07e-06	0.0	59.6	-0.92	-2.06	-0.02	1.86e-03	-0.01	-2.23
427	103	-2.63	3.37e-03	-2.97e-05	-9.24	0.0	-1.07	5.34	-0.03	2.16e-03	3.37e-03	-3.55
		-3.55	-0.01	-3.69e-06	0.0	59.6	-1.07	-3.89	-0.03	2.16e-03	-0.01	-3.12
427	104	-2.03	2.44e-03	-2.41e-05	-5.09	0.0	-0.51	3.01	-0.03	1.91e-03	2.44e-03	-2.56
		-2.56	-0.01	-3.01e-06	0.0	59.6	-0.51	-2.09	-0.03	1.91e-03	-0.01	-2.28
427	106	-2.01	2.48e-03	-2.31e-05	-5.09	0.0	-0.69	3.02	-0.02	1.88e-03	2.48e-03	-2.54
		-2.54	-0.01	-2.99e-06	0.0	59.6	-0.69	-2.07	-0.02	1.88e-03	-0.01	-2.26
427	107	-2.65	3.33e-03	-3.06e-05	-9.24	0.0	-0.84	5.33	-0.03	2.17e-03	3.33e-03	-3.57
		-3.57	-0.01	-3.62e-06	0.0	59.6	-0.84	-3.90	-0.03	2.17e-03	-0.01	-3.14
427	108	0.07	-5.49e-03	-1.54e-05	-9.24	0.0	-12.62	4.43	9.13e-04	-0.03	-5.49e-03	-0.61
		-0.62	-0.02	2.38e-04	0.0	59.6	-12.62	-4.80	9.13e-04	-0.03	-0.02	-0.62
427	109	-0.83	-3.52e-03	-2.30e-05	-9.24	0.0	-6.74	4.12	-9.98e-03	-0.02	-3.52e-03	-1.46
		-1.57	-0.03	2.86e-04	0.0	59.6	-6.74	-5.12	-9.98e-03	-0.02	-0.03	-1.57
427	111	-5.35	0.01	-5.69e-05	-9.24	0.0	10.93	6.23	-0.06	0.03	0.01	-6.53
		-6.53	-8.72e-03	-2.46e-04	0.0	59.6	10.93	-3.01	-0.06	0.03	-8.72e-03	-5.67
427	124	-0.46	-2.31e-03	-1.29e-05	-9.24	0.0	-13.29	5.54	-4.62e-03	-0.02	-2.31e-03	-1.38
		-1.38	-9.57e-03	-3.35e-06	0.0	59.6	-13.29	-3.70	-4.62e-03	-0.02	-9.57e-03	-0.95
427	127	-4.84	8.97e-03	-6.03e-05	-9.24	0.0	11.60	5.13	-0.06	0.02	8.97e-03	-5.75
		-5.75	-0.02	-3.89e-06	0.0	59.6	11.60	-4.11	-0.06	0.02	-0.02	-5.34
427	140	0.42	-6.61e-03	-1.41e-05	-9.24	0.0	-14.11	4.32	4.86e-03	-0.03	-6.61e-03	-0.23
		-0.30	-0.02	2.69e-04	0.0	59.6	-14.11	-4.92	4.86e-03	-0.03	-0.02	-0.30
427	141	-0.59	-4.39e-03	-2.22e-05	-9.24	0.0	-7.50	3.97	-7.39e-03	-0.02	-4.39e-03	-1.19
		-1.37	-0.03	3.23e-04	0.0	59.6	-7.50	-5.27	-7.39e-03	-0.02	-0.03	-1.37
427	143	-5.68	0.01	-6.03e-05	-9.24	0.0	12.42	6.34	-0.07	0.03	0.01	-6.91
		-6.91	-7.97e-03	-2.76e-04	0.0	59.6	12.42	-2.89	-0.07	0.03	-7.97e-03	-5.99
427	156	-0.19	-3.02e-03	-1.15e-05	-9.24	0.0	-14.84	5.56	-1.38e-03	-0.02	-3.02e-03	-1.11
		-1.11	-8.91e-03	-3.80e-06	0.0	59.6	-14.84	-3.68	-1.38e-03	-0.02	-8.91e-03	-0.68
427	159	-5.12	9.68e-03	-6.41e-05	-9.24	0.0	13.15	5.10	-0.06	0.03	9.68e-03	-6.03
		-6.03	-0.02	-3.43e-06	0.0	59.6	13.15	-4.13	-0.06	0.03	-0.02	-5.61
427	172	0.42	-6.50e-03	-1.40e-05	-9.24	0.0	-14.10	4.36	4.38e-03	-0.03	-6.50e-03	-0.24
		-0.30	-0.02	2.72e-04	0.0	59.6	-14.10	-4.88	4.38e-03	-0.03	-0.02	-0.30
427	175	-5.68	0.01	-6.06e-05	-9.24	0.0	12.41	6.30	-0.07	0.03	0.01	-6.90
		-6.90	-8.23e-03	-2.80e-04	0.0	59.6	12.41	-2.93	-0.07	0.03	-8.23e-03	-5.99
427	183	-5.48	0.01	-6.22e-05	-9.24	0.0	11.52	5.97	-0.06	0.03	0.01	-6.57
		-6.57	-0.03	-3.01e-04	0.0	59.6	11.52	-3.26	-0.06	0.03	-0.03	-5.86
427	188	-0.21	-2.93e-03	-1.16e-05	-9.24	0.0	-14.64	5.54	-1.85e-03	-0.02	-2.93e-03	-1.13
		-1.13	-9.02e-03	-6.41e-06	0.0	59.6	-14.64	-3.69	-1.85e-03	-0.02	-9.02e-03	-0.70
427	191	-5.09	9.59e-03	-6.37e-05	-9.24	0.0	12.95	5.12	-0.06	0.03	9.59e-03	-6.01
		-6.01	-0.02	0.0	0.0	59.6	12.95	-4.12	-0.06	0.03	-0.02	-5.58
427	204	0.96	-8.16e-03	-1.22e-05	-9.24	0.0	-16.41	4.21	0.01	-0.03	-8.16e-03	0.35
		0.20	-0.02	3.23e-04	0.0	59.6	-16.41	-5.02	0.01	-0.03	-0.02	0.20
427	207	-6.21	0.01	-6.60e-05	-9.24	0.0	14.72	6.45	-0.07	0.04	0.01	-7.48
		-7.48	-7.06e-03	-3.30e-04	0.0	59.6	14.72	-2.79	-0.07	0.04	-7.06e-03	-6.49
427	215	-6.05	0.01	-6.86e-05	-9.24	0.0	13.96	6.07	-0.07	0.03	0.01	-7.18
		-7.18	-0.03	-3.65e-04	0.0	59.6	13.96	-3.16	-0.07	0.03	-0.03	-6.40

427	220	0.20	-3.98e-03	-9.76e-06	-9.24	0.0	-16.90	5.58	2.89e-03	-0.03	-3.98e-03	-0.72
		-0.72	-8.11e-03	-8.92e-06	0.0	59.6	-16.90	-3.66	2.89e-03	-0.03	-8.11e-03	-0.30
427	223	-5.50	0.01	-6.92e-05	-9.24	0.0	15.21	5.08	-0.06	0.03	0.01	-6.42
		-6.42	-0.02	1.68e-06	0.0	59.6	15.21	-4.15	-0.06	0.03	-0.02	-5.99
428	4	-1.79	0.03	-1.47e-04	-17.44	0.0	-1.77	14.67	0.09	3.37e-03	-0.02	-5.47
		-5.47	-0.02	-9.21e-06	0.0	59.6	-1.77	-2.76	0.09	3.37e-03	0.03	-1.92
428	17	-1.57	0.03	-1.13e-04	-14.33	0.0	-1.88	11.71	0.08	2.90e-03	-0.02	-4.42
		-4.42	-0.02	-8.14e-06	0.0	59.6	-1.88	-2.62	0.08	2.90e-03	0.03	-1.71
428	28	-1.48	0.03	-1.72e-04	-17.44	0.0	-1.25	15.72	0.09	3.56e-03	-0.03	-5.70
		-5.70	-0.03	-9.18e-06	0.0	59.6	-1.25	-1.71	0.09	3.56e-03	0.03	-1.53
428	45	-0.16	0.01	-8.89e-05	-4.63	0.0	-0.41	5.95	0.04	2.03e-03	-0.01	-2.32
		-2.32	-0.01	-4.72e-06	0.0	59.6	-0.41	1.32	0.04	2.03e-03	0.01	-0.16
428	46	-0.21	0.01	-9.95e-05	-4.63	0.0	-0.41	6.36	0.05	2.24e-03	-0.01	-2.63
		-2.63	-0.01	-5.23e-06	0.0	59.6	-0.41	1.73	0.05	2.24e-03	0.01	-0.21
428	68	-1.25	0.02	-1.05e-04	-12.00	0.0	-1.25	10.26	0.06	2.46e-03	-0.02	-3.86
		-3.86	-0.02	-6.64e-06	0.0	59.6	-1.25	-1.74	0.06	2.46e-03	0.02	-1.32
428	74	-1.10	0.02	-8.24e-05	-9.93	0.0	-1.32	8.28	0.06	2.15e-03	-0.01	-3.16
		-3.16	-0.01	-5.93e-06	0.0	59.6	-1.32	-1.64	0.06	2.15e-03	0.02	-1.18
428	80	-1.03	0.02	-1.22e-04	-12.00	0.0	-0.90	10.96	0.06	2.59e-03	-0.02	-4.02
		-4.02	-0.02	-6.62e-06	0.0	59.6	-0.90	-1.04	0.06	2.59e-03	0.02	-1.06
428	85	-0.31	0.01	-8.55e-05	-5.09	0.0	-0.53	6.03	0.04	2.02e-03	-0.01	-2.39
		-2.39	-0.01	-4.77e-06	0.0	59.6	-0.53	0.93	0.04	2.02e-03	0.01	-0.31
428	86	-0.35	0.01	-9.25e-05	-5.09	0.0	-0.53	6.30	0.05	2.16e-03	-0.01	-2.59
		-2.59	-0.01	-5.11e-06	0.0	59.6	-0.53	1.21	0.05	2.16e-03	0.01	-0.35
428	98	-0.93	0.02	-9.60e-05	-9.93	0.0	-0.91	8.86	0.06	2.22e-03	-0.02	-3.29
		-3.29	-0.02	-5.67e-06	0.0	59.6	-0.91	-1.06	0.06	2.22e-03	0.02	-0.97
428	103	-0.92	0.02	-8.98e-05	-9.24	0.0	-0.96	8.26	0.05	2.16e-03	-0.01	-3.12
		-3.12	-0.01	-5.56e-06	0.0	59.6	-0.96	-0.98	0.05	2.16e-03	0.02	-0.95
428	104	-0.49	0.01	-7.44e-05	-5.09	0.0	-0.66	5.55	0.04	1.91e-03	-0.01	-2.28
		-2.28	-0.01	-4.59e-06	0.0	59.6	-0.66	0.46	0.04	1.91e-03	0.01	-0.49
428	106	-0.54	0.01	-7.16e-05	-5.09	0.0	-0.70	5.44	0.04	1.88e-03	-0.01	-2.26
		-2.26	-0.01	-4.55e-06	0.0	59.6	-0.70	0.34	0.04	1.88e-03	0.01	-0.54
428	107	-0.88	0.02	-9.25e-05	-9.24	0.0	-0.88	8.37	0.05	2.17e-03	-0.01	-3.14
		-3.14	-0.01	-5.51e-06	0.0	59.6	-0.88	-0.86	0.05	2.17e-03	0.02	-0.91
428	108	-0.58	-0.02	3.59e-05	-9.24	0.0	-10.95	1.38	-0.33	-0.03	-0.02	-0.62
		-2.68	-0.21	2.38e-04	0.0	59.6	-10.95	-7.85	-0.33	-0.03	-0.21	-2.68
428	111	0.86	0.24	-2.21e-04	-9.24	0.0	9.19	15.36	0.44	0.03	-8.72e-03	-5.67
		-5.67	-8.72e-03	-2.50e-04	0.0	59.6	9.19	6.13	0.44	0.03	0.24	0.86
428	113	-0.83	-0.03	-3.06e-05	-9.24	0.0	-8.56	4.53	-0.33	-0.02	-0.03	-1.44
		-1.59	-0.26	2.38e-04	0.0	59.6	-8.56	-4.70	-0.33	-0.02	-0.26	-1.59
428	114	-0.22	0.30	-1.57e-04	-9.24	0.0	6.79	12.21	0.44	0.02	-4.18e-03	-4.85
		-4.85	-4.18e-03	-2.49e-04	0.0	59.6	6.79	2.98	0.44	0.02	0.30	-0.22
428	139	1.43	-0.02	-2.28e-04	-9.24	0.0	3.82	15.02	0.33	0.02	-0.02	-4.85
		-4.85	-0.02	-1.73e-04	0.0	59.6	3.82	5.79	0.33	0.02	-0.02	1.43
428	140	-0.30	-0.02	5.21e-05	-9.24	0.0	-12.22	0.50	-0.38	-0.03	-0.02	-0.30
		-2.90	-0.23	2.69e-04	0.0	59.6	-12.22	-8.73	-0.38	-0.03	-0.23	-2.90
428	143	1.09	0.27	-2.37e-04	-9.24	0.0	10.46	16.24	0.49	0.03	-7.97e-03	-5.99
		-5.99	-7.97e-03	-2.80e-04	0.0	59.6	10.46	7.01	0.49	0.03	0.27	1.09
428	145	-0.75	-0.03	-2.47e-05	-9.24	0.0	-9.53	4.04	-0.38	-0.02	-0.03	-1.22
		-1.68	-0.30	2.69e-04	0.0	59.6	-9.53	-5.19	-0.38	-0.02	-0.30	-1.68
428	146	-0.13	0.33	-1.65e-04	-9.24	0.0	7.76	12.70	0.48	0.03	-2.86e-03	-5.06
		-5.06	-2.86e-03	-2.80e-04	0.0	59.6	7.76	3.47	0.48	0.03	0.33	-0.13
428	171	1.73	-0.03	-2.45e-04	-9.24	0.0	4.43	15.88	0.36	0.02	-0.03	-5.08
		-5.08	-0.03	-1.95e-04	0.0	59.6	4.43	6.64	0.36	0.02	-0.03	1.73
428	172	-0.30	-0.02	5.16e-05	-9.24	0.0	-12.17	0.51	-0.38	-0.03	-0.02	-0.30
		-2.87	-0.23	2.72e-04	0.0	59.6	-12.17	-8.72	-0.38	-0.03	-0.23	-2.87
428	175	1.06	0.27	-2.37e-04	-9.24	0.0	10.40	16.23	0.48	0.03	-8.23e-03	-5.99
		-5.99	-8.23e-03	-2.83e-04	0.0	59.6	10.40	6.99	0.48	0.03	0.27	1.06
428	177	-0.74	-0.03	-2.44e-05	-9.24	0.0	-9.50	4.02	-0.37	-0.02	-0.03	-1.22
		-1.67	-0.30	2.72e-04	0.0	59.6	-9.50	-5.22	-0.37	-0.02	-0.30	-1.67
428	178	-0.14	0.33	-1.66e-04	-9.24	0.0	7.73	12.72	0.48	0.02	-3.19e-03	-5.07
		-5.07	-3.19e-03	-2.83e-04	0.0	59.6	7.73	3.49	0.48	0.02	0.33	-0.14
428	203	1.73	-0.03	-2.46e-04	-9.24	0.0	4.47	15.95	0.36	0.02	-0.03	-5.12
		-5.12	-0.03	-2.03e-04	0.0	59.6	4.47	6.71	0.36	0.02	-0.03	1.73
428	204	0.20	-0.02	7.65e-05	-9.24	0.0	-14.11	-0.85	-0.45	-0.03	-0.02	0.20
		-3.19	-0.28	3.23e-04	0.0	59.6	-14.11	-10.09	-0.45	-0.03	-0.28	-3.19
428	207	1.38	0.31	-2.62e-04	-9.24	0.0	12.35	17.60	0.56	0.04	-7.06e-03	-6.49
		-6.49	-7.06e-03	-3.34e-04	0.0	59.6	12.35	8.36	0.56	0.04	0.31	1.38
428	209	-0.57	-0.03	-1.64e-05	-9.24	0.0	-10.98	3.24	-0.45	-0.02	-0.03	-0.87
		-1.80	-0.35	3.22e-04	0.0	59.6	-10.98	-6.00	-0.45	-0.02	-0.35	-1.80
428	210	-0.01	0.39	-1.79e-04	-9.24	0.0	9.22	13.51	0.56	0.03	-1.18e-03	-5.41
		-5.41	-1.18e-03	-3.33e-04	0.0	59.6	9.22	4.27	0.56	0.03	0.39	-0.01
428	235	2.19	-0.03	-2.74e-04	-9.24	0.0	5.51	17.33	0.42	0.02	-0.03	-5.49
		-5.49	-0.03	-2.45e-04	0.0	59.6	5.51	8.10	0.42	0.02	-0.03	2.19
429	4	3.40	0.27	-1.42e-04	-6.56	0.0	-2.86	26.98	1.05	3.37e-03	0.03	-1.92

		-1.92	0.03	-6.66e-06	0.0	22.4	-2.86	20.42	1.05	3.37e-03	0.27	3.40
429	19	0.87	0.11	-4.59e-05	-1.74	0.0	-0.70	8.35	0.43	1.72e-03	0.02	-0.81
		-0.81	0.02	-2.97e-06	0.0	22.4	-0.70	6.61	0.43	1.72e-03	0.11	0.87
429	28	4.72	0.28	-1.65e-04	-6.56	0.0	-3.83	31.10	1.14	3.56e-03	0.03	-1.53
		-1.53	0.03	-7.06e-06	0.0	22.4	-3.83	24.54	1.14	3.56e-03	0.28	4.72
429	44	4.85	0.27	-1.57e-04	-5.39	0.0	-3.86	29.31	1.07	3.43e-03	0.02	-1.12
		-1.12	0.02	-6.66e-06	0.0	22.4	-3.86	23.91	1.07	3.43e-03	0.27	4.85
429	45	3.07	0.14	-8.36e-05	-1.74	0.0	-2.33	15.23	0.58	2.03e-03	0.01	-0.16
		-0.16	0.01	-3.64e-06	0.0	22.4	-2.33	13.49	0.58	2.03e-03	0.14	3.07
429	68	2.48	0.19	-1.01e-04	-4.52	0.0	-2.04	19.21	0.76	2.46e-03	0.02	-1.32
		-1.32	0.02	-4.79e-06	0.0	22.4	-2.04	14.69	0.76	2.46e-03	0.19	2.48
429	72	1.31	0.12	-5.55e-05	-1.92	0.0	-0.99	10.14	0.47	1.81e-03	0.02	-0.75
		-0.75	0.02	-3.17e-06	0.0	22.4	-0.99	8.22	0.47	1.81e-03	0.12	1.31
429	80	3.36	0.20	-1.17e-04	-4.52	0.0	-2.69	21.96	0.82	2.59e-03	0.02	-1.06
		-1.06	0.02	-5.06e-06	0.0	22.4	-2.69	17.44	0.82	2.59e-03	0.20	3.36
429	85	2.77	0.14	-8.07e-05	-1.92	0.0	-2.07	14.72	0.57	2.02e-03	0.01	-0.31
		-0.31	0.01	-3.61e-06	0.0	22.4	-2.07	12.80	0.57	2.02e-03	0.14	2.77
429	88	3.45	0.19	-1.11e-04	-3.74	0.0	-2.71	20.76	0.77	2.50e-03	0.02	-0.79
		-0.79	0.02	-4.79e-06	0.0	22.4	-2.71	17.02	0.77	2.50e-03	0.19	3.45
429	98	2.51	0.17	-9.21e-05	-3.74	0.0	-1.98	17.36	0.68	2.22e-03	0.02	-0.97
		-0.97	0.02	-4.21e-06	0.0	22.4	-1.98	13.62	0.68	2.22e-03	0.17	2.51
429	102	1.89	0.13	-6.55e-05	-1.92	0.0	-1.32	11.95	0.51	1.86e-03	0.01	-0.58
		-0.58	0.01	-3.27e-06	0.0	22.4	-1.32	10.03	0.51	1.86e-03	0.13	1.89
429	104	2.18	0.13	-7.05e-05	-1.92	0.0	-1.54	12.87	0.53	1.91e-03	0.01	-0.49
		-0.49	0.01	-3.36e-06	0.0	22.4	-1.54	10.95	0.53	1.91e-03	0.13	2.18
429	105	2.59	0.17	-9.12e-05	-3.48	0.0	-2.03	17.12	0.67	2.20e-03	0.02	-0.86
		-0.86	0.02	-4.14e-06	0.0	22.4	-2.03	13.64	0.67	2.20e-03	0.17	2.59
429	106	2.03	0.13	-6.80e-05	-1.92	0.0	-1.41	12.40	0.52	1.88e-03	0.01	-0.54
		-0.54	0.01	-3.30e-06	0.0	22.4	-1.41	10.49	0.52	1.88e-03	0.13	2.03
429	107	2.44	0.16	-8.86e-05	-3.48	0.0	-1.90	16.65	0.66	2.17e-03	0.02	-0.91
		-0.91	0.02	-4.08e-06	0.0	22.4	-1.90	13.18	0.66	2.17e-03	0.16	2.44
429	108	-2.68	-0.21	3.84e-05	-3.48	0.0	-9.93	-8.03	-1.31	-0.03	-0.21	-2.68
		-4.83	-0.55	8.66e-05	0.0	22.4	-9.93	-11.51	-1.31	-0.03	-0.55	-4.83
429	111	9.71	0.88	-2.16e-04	-3.48	0.0	6.14	41.34	2.62	0.03	0.24	0.86
		0.86	0.24	-9.48e-05	0.0	22.4	6.14	37.86	2.62	0.03	0.88	9.71
429	113	-1.03	-0.26	-2.48e-05	-3.48	0.0	-13.10	4.09	-0.90	-0.02	-0.26	-1.59
		-1.59	-0.41	8.67e-05	0.0	22.4	-13.10	0.62	-0.90	-0.02	-0.41	-1.03
429	114	5.91	0.74	-1.52e-04	-3.48	0.0	9.31	29.21	2.21	0.02	0.30	-0.22
		-0.22	0.30	-9.48e-05	0.0	22.4	9.31	25.73	2.21	0.02	0.74	5.91
429	132	-3.23	0.04	4.58e-05	-3.48	0.0	3.17	-9.17	-0.39	-0.02	0.04	-3.23
		-5.66	-0.24	5.68e-05	0.0	22.4	3.17	-12.64	-0.39	-0.02	-0.24	-5.66
429	135	10.54	0.57	-2.23e-04	-3.48	0.0	-6.96	42.47	1.70	0.02	-0.01	1.42
		1.42	-0.01	-6.50e-05	0.0	22.4	-6.96	38.99	1.70	0.02	0.57	10.54
429	140	-2.90	-0.23	5.44e-05	-3.48	0.0	-10.94	-11.14	-1.56	-0.03	-0.23	-2.90
		-5.75	-0.64	9.81e-05	0.0	22.4	-10.94	-14.62	-1.56	-0.03	-0.64	-5.75
429	143	10.63	0.97	-2.32e-04	-3.48	0.0	7.15	44.45	2.87	0.03	0.27	1.09
		1.09	0.27	-1.06e-04	0.0	22.4	7.15	40.97	2.87	0.03	0.97	10.63
429	145	-1.45	-0.30	-1.67e-05	-3.48	0.0	-14.51	2.50	-1.10	-0.02	-0.30	-1.68
		-1.68	-0.48	9.82e-05	0.0	22.4	-14.51	-0.98	-1.10	-0.02	-0.48	-1.45
429	146	6.35	0.81	-1.61e-04	-3.48	0.0	10.71	30.80	2.41	0.03	0.33	-0.13
		-0.13	0.33	-1.06e-04	0.0	22.4	10.71	27.33	2.41	0.03	0.81	6.35
429	168	-3.54	0.06	6.26e-05	-3.48	0.0	4.57	-12.38	-0.43	-0.02	0.06	-3.54
		-6.69	-0.25	6.60e-05	0.0	22.4	4.57	-15.85	-0.43	-0.02	-0.25	-6.69
429	171	11.58	0.58	-2.40e-04	-3.48	0.0	-8.36	45.68	1.74	0.02	-0.03	1.73
		1.73	-0.03	-7.41e-05	0.0	22.4	-8.36	42.20	1.74	0.02	0.58	11.58
429	172	-2.87	-0.23	5.38e-05	-3.48	0.0	-10.68	-11.04	-1.55	-0.03	-0.23	-2.87
		-5.70	-0.64	9.92e-05	0.0	22.4	-10.68	-14.51	-1.55	-0.03	-0.64	-5.70
429	175	10.58	0.97	-2.31e-04	-3.48	0.0	6.89	44.34	2.86	0.03	0.27	1.06
		1.06	0.27	-1.07e-04	0.0	22.4	6.89	40.87	2.86	0.03	0.97	10.58
429	177	-1.45	-0.30	-1.64e-05	-3.48	0.0	-14.13	2.45	-1.10	-0.02	-0.30	-1.67
		-1.67	-0.48	9.93e-05	0.0	22.4	-14.13	-1.03	-1.10	-0.02	-0.48	-1.45
429	178	6.36	0.81	-1.61e-04	-3.48	0.0	10.34	30.86	2.41	0.02	0.33	-0.14
		-0.14	0.33	-1.07e-04	0.0	22.4	10.34	27.38	2.41	0.02	0.81	6.36
429	200	-3.54	0.06	6.35e-05	-3.48	0.0	4.55	-12.56	-0.45	-0.01	0.06	-3.54
		-6.73	-0.26	6.92e-05	0.0	22.4	4.55	-16.04	-0.45	-0.01	-0.26	-6.73
429	203	11.62	0.59	-2.41e-04	-3.48	0.0	-8.34	45.86	1.76	0.02	-0.03	1.73
		1.73	-0.03	-7.74e-05	0.0	22.4	-8.34	42.39	1.76	0.02	0.59	11.62
429	204	-3.19	-0.28	7.84e-05	-3.48	0.0	-12.06	-15.83	-1.94	-0.03	-0.28	-3.19
		-7.10	-0.78	1.18e-04	0.0	22.4	-12.06	-19.30	-1.94	-0.03	-0.78	-7.10
429	207	11.98	1.11	-2.56e-04	-3.48	0.0	8.27	49.13	3.25	0.04	0.31	1.38
		1.38	0.31	-1.26e-04	0.0	22.4	8.27	45.65	3.25	0.04	1.11	11.98
429	209	-1.80	-0.35	-3.82e-06	-3.48	0.0	-16.05	-0.11	-1.40	-0.02	-0.35	-1.80
		-2.18	-0.59	1.18e-04	0.0	22.4	-16.05	-3.59	-1.40	-0.02	-0.59	-2.18
429	210	7.06	0.92	-1.74e-04	-3.48	0.0	12.26	33.41	2.71	0.03	0.39	-0.01
		-0.01	0.39	-1.26e-04	0.0	22.4	12.26	29.94	2.71	0.03	0.92	7.06

429	232	-4.00	0.07	9.09e-05	-3.48	0.0	5.59	-17.84	-0.67	-0.02	0.07	-4.00
		-8.38	-0.34	8.46e-05	0.0	22.4	5.59	-21.32	-0.67	-0.02	-0.34	-8.38
429	235	13.26	0.67	-2.68e-04	-3.48	0.0	-9.38	51.15	1.98	0.02	-0.03	2.19
		2.19	-0.03	-9.28e-05	0.0	22.4	-9.38	47.67	1.98	0.02	0.67	13.26
430	19	0.98	0.10	-1.47e-05	-2.89	0.0	0.12	1.35	-0.29	-7.04e-04	0.10	0.87
		0.83	-1.80e-03	3.52e-06	0.0	37.2	0.12	-1.54	-0.29	-7.04e-04	-1.80e-03	0.83
430	28	4.81	0.27	-2.45e-05	-10.87	0.0	-3.97	2.40	-0.77	-2.19e-03	0.27	4.72
		3.59	-0.01	1.03e-05	0.0	37.2	-3.97	-8.47	-0.77	-2.19e-03	-0.01	3.59
430	44	4.88	0.25	-1.87e-05	-8.94	0.0	-4.31	1.15	-0.72	-1.99e-03	0.25	4.85
		3.62	-0.01	9.57e-06	0.0	37.2	-4.31	-7.79	-0.72	-1.99e-03	-0.01	3.62
430	72	1.38	0.11	-1.31e-05	-3.18	0.0	-0.40	1.09	-0.32	-8.06e-04	0.11	1.31
		1.12	-3.10e-03	4.04e-06	0.0	37.2	-0.40	-2.09	-0.32	-8.06e-04	-3.10e-03	1.12
430	80	3.42	0.19	-1.71e-05	-7.48	0.0	-2.77	1.58	-0.55	-1.55e-03	0.19	3.36
		2.56	-9.60e-03	7.37e-06	0.0	37.2	-2.77	-5.90	-0.55	-1.55e-03	-9.60e-03	2.56
430	88	3.47	0.18	-1.32e-05	-6.19	0.0	-3.00	0.75	-0.52	-1.41e-03	0.18	3.45
		2.58	-9.62e-03	6.87e-06	0.0	37.2	-3.00	-5.44	-0.52	-1.41e-03	-9.62e-03	2.58
430	98	2.59	0.16	-1.55e-05	-6.19	0.0	-1.80	1.60	-0.46	-1.28e-03	0.16	2.51
		1.96	-6.96e-03	6.16e-06	0.0	37.2	-1.80	-4.58	-0.46	-1.28e-03	-6.96e-03	1.96
430	102	1.90	0.12	-1.00e-05	-3.18	0.0	-1.10	0.50	-0.35	-8.92e-04	0.12	1.89
		1.48	-4.71e-03	4.55e-06	0.0	37.2	-1.10	-2.67	-0.35	-8.92e-04	-4.71e-03	1.48
430	105	2.64	0.16	-1.40e-05	-5.76	0.0	-1.96	1.28	-0.45	-1.24e-03	0.16	2.59
		1.99	-7.10e-03	6.01e-06	0.0	37.2	-1.96	-4.48	-0.45	-1.24e-03	-7.10e-03	1.99
430	106	2.04	0.12	-9.35e-06	-3.18	0.0	-1.28	0.36	-0.35	-9.14e-04	0.12	2.03
		1.57	-5.11e-03	4.67e-06	0.0	37.2	-1.28	-2.82	-0.35	-9.14e-04	-5.11e-03	1.57
430	107	2.51	0.15	-1.46e-05	-5.76	0.0	-1.73	1.43	-0.44	-1.23e-03	0.15	2.44
		1.90	-6.70e-03	5.94e-06	0.0	37.2	-1.73	-4.33	-0.44	-1.23e-03	-6.70e-03	1.90
430	108	-1.98	-0.10	-8.08e-05	-5.76	0.0	-8.29	10.57	1.03	-0.02	-0.50	-4.83
		-4.83	-0.50	1.21e-04	0.0	37.2	-8.29	4.81	1.03	-0.02	-0.10	-1.98
430	111	9.71	0.81	5.53e-05	-5.76	0.0	4.83	-7.71	-1.91	0.02	0.81	9.71
		5.78	0.09	-1.09e-04	0.0	37.2	4.83	-13.47	-1.91	0.02	0.09	5.78
430	132	-2.38	0.01	-8.85e-05	-5.76	0.0	5.00	11.72	0.34	-0.01	-0.21	-5.66
		-5.66	-0.21	8.27e-05	0.0	37.2	5.00	5.96	0.34	-0.01	0.01	-2.38
430	133	7.30	0.17	3.25e-05	-5.76	0.0	-13.02	-4.78	-0.45	8.82e-04	0.17	7.30
		4.45	-0.09	4.60e-06	0.0	37.2	-13.02	-10.54	-0.45	8.82e-04	-0.09	4.45
430	134	-0.64	0.14	-5.80e-05	-5.76	0.0	9.56	7.64	-0.43	-3.34e-03	0.14	-2.41
		-2.41	0.08	7.29e-06	0.0	37.2	9.56	1.88	-0.43	-3.34e-03	0.08	-0.64
430	135	10.54	0.52	6.30e-05	-5.76	0.0	-8.46	-8.87	-1.23	0.01	0.52	10.54
		6.18	-0.03	-7.08e-05	0.0	37.2	-8.46	-14.63	-1.23	0.01	-0.03	6.18
430	140	-2.46	-0.11	-8.94e-05	-5.76	0.0	-9.11	11.72	1.21	-0.02	-0.59	-5.75
		-5.75	-0.59	1.36e-04	0.0	37.2	-9.11	5.96	1.21	-0.02	-0.11	-2.46
430	143	10.63	0.89	6.39e-05	-5.76	0.0	5.65	-8.87	-2.10	0.02	0.89	10.63
		6.27	0.10	-1.24e-04	0.0	37.2	5.65	-14.63	-2.10	0.02	0.10	6.27
430	165	7.91	0.17	3.82e-05	-5.76	0.0	-14.42	-5.57	-0.46	1.13e-03	0.17	7.91
		4.77	-0.10	4.15e-06	0.0	37.2	-14.42	-11.33	-0.46	1.13e-03	-0.10	4.77
430	166	-0.97	0.14	-6.37e-05	-5.76	0.0	10.96	8.42	-0.43	-3.59e-03	0.14	-3.03
		-3.03	0.09	7.74e-06	0.0	37.2	10.96	2.66	-0.43	-3.59e-03	0.09	-0.97
430	168	-2.92	0.02	-9.83e-05	-5.76	0.0	6.47	13.04	0.37	-3.69e-03	-0.22	-6.69
		-6.69	-0.22	9.69e-05	0.0	37.2	6.47	7.29	0.37	-3.69e-03	0.02	-2.92
430	171	11.58	0.53	7.27e-05	-5.76	0.0	-9.93	-10.19	-1.26	1.23e-03	0.53	11.58
		6.72	-0.04	-8.50e-05	0.0	37.2	-9.93	-15.95	-1.26	1.23e-03	-0.04	6.72
430	172	-2.44	-0.11	-8.90e-05	-5.76	0.0	-8.78	11.66	1.21	-0.02	-0.58	-5.70
		-5.70	-0.58	1.37e-04	0.0	37.2	-8.78	5.90	1.21	-0.02	-0.11	-2.44
430	175	10.58	0.89	6.35e-05	-5.76	0.0	5.32	-8.80	-2.10	0.02	0.89	10.58
		6.24	0.10	-1.25e-04	0.0	37.2	5.32	-14.56	-2.10	0.02	0.10	6.24
430	197	7.89	0.17	3.80e-05	-5.76	0.0	-14.14	-5.54	-0.46	9.68e-04	0.17	7.89
		4.76	-0.10	2.68e-06	0.0	37.2	-14.14	-11.30	-0.46	9.68e-04	-0.10	4.76
430	198	-0.95	0.14	-6.36e-05	-5.76	0.0	10.68	8.40	-0.42	-3.42e-03	0.14	-3.01
		-3.01	0.08	9.21e-06	0.0	37.2	10.68	2.64	-0.42	-3.42e-03	0.08	-0.95
430	200	-2.94	0.02	-9.87e-05	-5.76	0.0	6.50	13.09	0.39	-3.31e-03	-0.23	-6.73
		-6.73	-0.23	1.02e-04	0.0	37.2	6.50	7.33	0.39	-3.31e-03	0.02	-2.94
430	203	11.62	0.54	7.31e-05	-5.76	0.0	-9.96	-10.24	-1.28	8.59e-04	0.54	11.62
		6.74	-0.04	-8.97e-05	0.0	37.2	-9.96	-16.00	-1.28	8.59e-04	-0.04	6.74
430	204	-3.19	-0.13	-1.02e-04	-5.76	0.0	-9.81	13.41	1.50	-0.03	-0.71	-7.10
		-7.10	-0.71	1.61e-04	0.0	37.2	-9.81	7.65	1.50	-0.03	-0.13	-3.19
430	207	11.98	1.02	7.66e-05	-5.76	0.0	6.35	-10.56	-2.38	0.02	1.02	11.98
		6.99	0.11	-1.49e-04	0.0	37.2	6.35	-16.31	-2.38	0.02	0.11	6.99
430	229	8.82	0.18	4.67e-05	-5.76	0.0	-16.11	-6.73	-0.47	1.38e-03	0.18	8.82
		5.24	-0.11	0.0	0.0	37.2	-16.11	-12.49	-0.47	1.38e-03	-0.11	5.24
430	230	-1.44	0.13	-7.22e-05	-5.76	0.0	12.65	9.58	-0.41	-3.84e-03	0.13	-3.93
		-3.93	0.10	1.10e-05	0.0	37.2	12.65	3.83	-0.41	-3.84e-03	0.10	-1.44
430	232	-3.81	0.03	-1.14e-04	-5.76	0.0	7.87	15.18	0.55	-3.48e-03	-0.30	-8.38
		-8.38	-0.30	1.22e-04	0.0	37.2	7.87	9.42	0.55	-3.48e-03	0.03	-3.81
430	235	13.26	0.61	8.85e-05	-5.76	0.0	-11.33	-12.33	-1.44	1.02e-03	0.61	13.26
		7.61	-0.04	-1.10e-04	0.0	37.2	-11.33	-18.09	-1.44	1.02e-03	-0.04	7.61
431	7	2.21	-5.50e-03	2.42e-05	-14.99	0.0	-0.74	3.80	-0.01	-7.92e-03	-5.50e-03	1.92

		-0.28	-0.01	6.67e-06	0.0	59.6	-0.74	-11.19	-0.01	-7.92e-03	-0.01	-0.28
431	19	0.88	-9.82e-04	5.81e-06	-4.63	0.0	0.73	0.81	-0.01	-4.86e-03	-9.82e-04	0.83
		-0.07	-7.78e-03	3.30e-06	0.0	59.6	0.73	-3.82	-0.01	-4.86e-03	-7.78e-03	-0.07
431	28	3.70	-0.01	5.40e-05	-17.44	0.0	-3.42	2.56	-0.01	-0.01	-0.01	3.59
		-0.08	-0.02	9.39e-06	0.0	59.6	-3.42	-14.87	-0.01	-0.01	-0.02	-0.08
431	44	3.65	-0.01	5.67e-05	-14.33	0.0	-3.99	1.18	-0.01	-0.01	-0.01	3.62
		0.05	-0.02	8.52e-06	0.0	59.6	-3.99	-13.15	-0.01	-0.01	-0.02	0.05
431	67	2.01	-5.20e-03	2.41e-05	-12.00	0.0	-0.86	2.60	-0.01	-7.27e-03	-5.20e-03	1.85
		-0.18	-0.01	6.01e-06	0.0	59.6	-0.86	-9.39	-0.01	-7.27e-03	-0.01	-0.18
431	72	1.14	-2.19e-03	1.18e-05	-5.09	0.0	0.11	0.61	-0.01	-5.22e-03	-2.19e-03	1.12
		-0.03	-8.40e-03	3.77e-06	0.0	59.6	0.11	-4.48	-0.01	-5.22e-03	-8.40e-03	-0.03
431	80	2.63	-8.07e-03	3.84e-05	-12.00	0.0	-2.38	1.63	-0.01	-8.05e-03	-8.07e-03	2.56
		-0.04	-0.01	6.71e-06	0.0	59.6	-2.38	-10.36	-0.01	-8.05e-03	-0.01	-0.04
431	88	2.60	-8.16e-03	4.02e-05	-9.93	0.0	-2.76	0.71	-8.70e-03	-7.59e-03	-8.16e-03	2.58
		0.05	-0.01	6.13e-06	0.0	59.6	-2.76	-9.21	-8.70e-03	-7.59e-03	-0.01	0.05
431	98	2.03	-5.68e-03	2.79e-05	-9.93	0.0	-1.38	1.56	-0.01	-6.89e-03	-5.68e-03	1.96
		-0.07	-0.01	5.74e-06	0.0	59.6	-1.38	-8.36	-0.01	-6.89e-03	-0.01	-0.07
431	102	1.48	-3.73e-03	2.02e-05	-5.09	0.0	-0.79	0.12	-9.77e-03	-5.49e-03	-3.73e-03	1.48
		0.04	-8.89e-03	4.21e-06	0.0	59.6	-0.79	-4.97	-9.77e-03	-5.49e-03	-8.89e-03	0.04
431	105	2.04	-5.84e-03	2.92e-05	-9.24	0.0	-1.60	1.22	-0.01	-6.76e-03	-5.84e-03	1.99
		-0.04	-0.01	5.55e-06	0.0	59.6	-1.60	-8.02	-0.01	-6.76e-03	-0.01	-0.04
431	106	1.57	-4.11e-03	2.22e-05	-5.09	0.0	-1.02	-1.66e-03	-9.34e-03	-5.56e-03	-4.11e-03	1.57
		0.06	-9.01e-03	4.32e-06	0.0	59.6	-1.02	-5.10	-9.34e-03	-5.56e-03	-9.01e-03	0.06
431	107	1.96	-5.46e-03	2.71e-05	-9.24	0.0	-1.33	1.34	-0.01	-6.70e-03	-5.46e-03	1.90
		-0.05	-0.01	5.53e-06	0.0	59.6	-1.33	-7.89	-0.01	-6.70e-03	-0.01	-0.05
431	113	0.60	-4.24e-03	-2.79e-05	-9.24	0.0	-9.70	4.19	0.23	0.02	-0.14	0.04
		-0.22	-0.14	1.88e-04	0.0	59.6	-9.70	-5.05	0.23	0.02	-4.24e-03	-0.22
431	114	3.76	0.13	7.64e-05	-9.24	0.0	7.04	-1.51	-0.25	-0.03	0.13	3.76
		0.11	-0.02	-1.77e-04	0.0	59.6	7.04	-10.74	-0.25	-0.03	-0.02	0.11
431	132	-0.47	0.01	-8.05e-05	-9.24	0.0	5.38	7.69	-0.04	-9.10e-03	0.01	-2.38
		-2.38	-2.20e-03	1.27e-04	0.0	59.6	5.38	-1.55	-0.04	-9.10e-03	-2.20e-03	-0.55
431	133	4.45	-0.01	8.99e-05	-9.24	0.0	-11.54	-2.39	0.14	9.86e-03	-0.10	4.45
		0.27	-0.10	4.18e-06	0.0	59.6	-11.54	-11.62	0.14	9.86e-03	-0.01	0.27
431	134	0.18	0.09	-3.76e-05	-9.24	0.0	8.88	5.07	-0.16	-0.02	0.09	-0.64
		-0.64	-7.31e-03	6.89e-06	0.0	59.6	8.88	-4.16	-0.16	-0.02	-7.31e-03	-0.38
431	135	6.18	-0.02	1.35e-04	-9.24	0.0	-8.04	-5.00	0.02	-4.31e-03	-0.03	6.18
		0.44	-0.03	-1.16e-04	0.0	59.6	-8.04	-14.24	0.02	-4.31e-03	-0.02	0.44
431	145	0.47	-3.41e-03	-3.22e-05	-9.24	0.0	-10.74	4.55	0.26	0.02	-0.16	-0.20
		-0.24	-0.16	2.11e-04	0.0	59.6	-10.74	-4.69	0.26	0.02	-3.41e-03	-0.24
431	146	4.00	0.15	8.26e-05	-9.24	0.0	8.08	-1.87	-0.28	-0.04	0.15	4.00
		0.14	-0.02	-2.00e-04	0.0	59.6	8.08	-11.10	-0.28	-0.04	-0.02	0.14
431	164	-0.59	0.02	-9.42e-05	-9.24	0.0	6.22	8.49	-0.04	-9.41e-03	0.02	-2.92
		-2.92	-1.10e-03	1.43e-04	0.0	59.6	6.22	-0.75	-0.04	-9.41e-03	-1.10e-03	-0.61
431	165	4.77	-0.01	9.78e-05	-9.24	0.0	-12.82	-2.86	0.16	0.01	-0.11	4.77
		0.31	-0.11	3.54e-06	0.0	59.6	-12.82	-12.10	0.16	0.01	-0.01	0.31
431	166	0.02	0.10	-4.43e-05	-9.24	0.0	10.16	5.54	-0.18	-0.03	0.10	-0.97
		-0.97	-6.85e-03	7.53e-06	0.0	59.6	10.16	-3.69	-0.18	-0.03	-6.85e-03	-0.42
431	167	6.72	-0.02	1.48e-04	-9.24	0.0	-8.88	-5.81	0.02	-4.00e-03	-0.03	6.72
		0.51	-0.03	-1.32e-04	0.0	59.6	-8.88	-15.04	0.02	-4.00e-03	-0.02	0.51
431	177	0.47	-3.59e-03	-3.24e-05	-9.24	0.0	-10.29	4.56	0.26	0.02	-0.16	-0.20
		-0.24	-0.16	2.13e-04	0.0	59.6	-10.29	-4.68	0.26	0.02	-3.59e-03	-0.24
431	178	4.00	0.15	8.28e-05	-9.24	0.0	7.63	-1.88	-0.28	-0.04	0.15	4.00
		0.13	-0.02	-2.02e-04	0.0	59.6	7.63	-11.11	-0.28	-0.04	-0.02	0.13
431	197	4.76	-0.02	9.76e-05	-9.24	0.0	-12.56	-2.85	0.16	0.01	-0.11	4.76
		0.31	-0.11	1.56e-06	0.0	59.6	-12.56	-12.08	0.16	0.01	-0.02	0.31
431	198	0.03	0.10	-4.41e-05	-9.24	0.0	9.90	5.53	-0.18	-0.03	0.10	-0.95
		-0.95	-6.79e-03	9.99e-06	0.0	59.6	9.90	-3.71	-0.18	-0.03	-6.79e-03	-0.41
431	200	-0.60	0.02	-9.48e-05	-9.24	0.0	6.67	8.52	-0.05	-8.44e-03	0.02	-2.94
		-2.94	-1.20e-03	1.58e-04	0.0	59.6	6.67	-0.71	-0.05	-8.44e-03	-1.20e-03	-0.61
431	203	6.74	-0.02	1.49e-04	-9.24	0.0	-9.33	-5.84	0.03	-4.96e-03	-0.03	6.74
		0.51	-0.03	-1.47e-04	0.0	59.6	-9.33	-15.08	0.03	-4.96e-03	-0.02	0.51
431	209	0.27	-2.32e-03	-4.01e-05	-9.24	0.0	-11.58	5.13	0.30	0.03	-0.18	-0.58
		-0.58	-0.18	2.51e-04	0.0	59.6	-11.58	-4.10	0.30	0.03	-2.32e-03	-0.27
431	210	4.38	0.17	9.28e-05	-9.24	0.0	8.92	-2.45	-0.32	-0.04	0.17	4.38
		0.17	-0.02	-2.40e-04	0.0	59.6	8.92	-11.69	-0.32	-0.04	-0.02	0.17
431	229	5.24	-0.02	1.10e-04	-9.24	0.0	-14.34	-3.56	0.19	0.01	-0.12	5.24
		0.37	-0.12	-1.72e-06	0.0	59.6	-14.34	-12.80	0.19	0.01	-0.02	0.37
431	230	-0.19	0.11	-5.54e-05	-9.24	0.0	11.68	6.24	-0.21	-0.03	0.11	-1.44
		-1.44	-6.05e-03	1.28e-05	0.0	59.6	11.68	-2.99	-0.21	-0.03	-6.05e-03	-0.47
431	232	-0.71	0.03	-1.17e-04	-9.24	0.0	8.03	9.81	-0.05	-8.53e-03	0.03	-3.81
		-3.81	6.04e-04	1.90e-04	0.0	59.6	8.03	0.58	-0.05	-8.53e-03	6.04e-04	-0.71
431	235	7.61	-0.02	1.71e-04	-9.24	0.0	-10.69	-7.13	0.03	-4.87e-03	-0.04	7.61
		0.61	-0.04	-1.79e-04	0.0	59.6	-10.69	-16.37	0.03	-4.87e-03	-0.02	0.61
432	19	0.03	-2.09e-03	9.00e-06	-4.63	0.0	0.59	1.23	8.92e-03	-3.35e-03	-7.58e-03	-0.07
		-0.71	-7.58e-03	2.28e-06	0.0	59.6	0.59	-3.41	8.92e-03	-3.35e-03	-2.09e-03	-0.71

432	28	0.39	-3.80e-03	5.01e-05	-17.44	0.0	-4.24	5.28	0.02	-7.78e-03	-0.02	-0.08
		-2.13	-0.02	6.86e-06	0.0	59.6	-4.24	-12.16	0.02	-7.78e-03	-3.80e-03	-2.13
432	44	0.37	-3.41e-03	5.07e-05	-14.33	0.0	-4.80	3.94	0.02	-7.49e-03	-0.02	0.05
		-1.87	-0.02	6.12e-06	0.0	59.6	-4.80	-10.39	0.02	-7.49e-03	-3.41e-03	-1.87
432	45	0.22	-1.73e-03	3.11e-05	-4.63	0.0	-3.45	0.64	0.01	-4.47e-03	-9.32e-03	0.19
		-0.81	-9.32e-03	2.89e-06	0.0	59.6	-3.45	-3.99	0.01	-4.47e-03	-1.73e-03	-0.81
432	72	0.07	-2.11e-03	1.35e-05	-5.09	0.0	-0.10	1.29	9.88e-03	-3.66e-03	-8.20e-03	-0.03
		-0.78	-8.20e-03	2.64e-06	0.0	59.6	-0.10	-3.81	9.88e-03	-3.66e-03	-2.11e-03	-0.78
432	80	0.27	-2.76e-03	3.56e-05	-12.00	0.0	-2.96	3.56	0.02	-5.64e-03	-0.01	-0.04
		-1.50	-0.01	4.89e-06	0.0	59.6	-2.96	-8.44	0.02	-5.64e-03	-2.76e-03	-1.50
432	85	0.19	-1.87e-03	2.82e-05	-5.09	0.0	-2.80	0.90	0.01	-4.40e-03	-9.36e-03	0.14
		-0.84	-9.36e-03	3.05e-06	0.0	59.6	-2.80	-4.20	0.01	-4.40e-03	-1.87e-03	-0.84
432	88	0.26	-2.49e-03	3.60e-05	-9.93	0.0	-3.34	2.67	0.02	-5.45e-03	-0.01	0.05
		-1.32	-0.01	4.40e-06	0.0	59.6	-3.34	-7.26	0.02	-5.45e-03	-2.49e-03	-1.32
432	98	0.20	-2.50e-03	2.69e-05	-9.93	0.0	-1.83	2.99	0.01	-4.82e-03	-0.01	-0.07
		-1.24	-0.01	4.20e-06	0.0	59.6	-1.83	-6.93	0.01	-4.82e-03	-2.50e-03	-1.24
432	102	0.11	-2.02e-03	1.93e-05	-5.09	0.0	-1.11	1.13	0.01	-3.95e-03	-8.67e-03	0.04
		-0.80	-8.67e-03	3.00e-06	0.0	59.6	-1.11	-3.96	0.01	-3.95e-03	-2.02e-03	-0.80
432	104	0.14	-1.98e-03	2.23e-05	-5.09	0.0	-1.65	1.06	0.01	-4.10e-03	-8.91e-03	0.07
		-0.82	-8.91e-03	3.08e-06	0.0	59.6	-1.65	-4.04	0.01	-4.10e-03	-1.98e-03	-0.82
432	105	0.20	-2.40e-03	2.75e-05	-9.24	0.0	-2.05	2.68	0.01	-4.79e-03	-0.01	-0.04
		-1.19	-0.01	4.03e-06	0.0	59.6	-2.05	-6.55	0.01	-4.79e-03	-2.40e-03	-1.19
432	106	0.12	-2.00e-03	2.08e-05	-5.09	0.0	-1.36	1.09	0.01	-4.03e-03	-8.79e-03	0.06
		-0.81	-8.79e-03	3.09e-06	0.0	59.6	-1.36	-4.00	0.01	-4.03e-03	-2.00e-03	-0.81
432	107	0.19	-2.42e-03	2.60e-05	-9.24	0.0	-1.77	2.72	0.01	-4.71e-03	-0.01	-0.05
		-1.18	-0.01	4.04e-06	0.0	59.6	-1.77	-6.51	0.01	-4.71e-03	-2.42e-03	-1.18
432	108	0.16	5.46e-03	-3.40e-05	-9.24	0.0	-5.37	4.38	0.02	0.02	-0.01	-0.46
		-0.59	-0.01	1.89e-04	0.0	59.6	-5.37	-4.86	0.02	0.02	5.46e-03	-0.59
432	111	0.39	-7.78e-03	8.32e-05	-9.24	0.0	1.84	1.07	6.51e-03	-0.03	-7.78e-03	0.35
		-1.77	-0.01	-1.81e-04	0.0	59.6	1.84	-8.17	6.51e-03	-0.03	-0.01	-1.77
432	133	0.38	-2.45e-03	5.98e-05	-9.24	0.0	-11.17	1.89	0.03	-8.78e-03	-0.02	0.27
		-1.36	-0.02	2.08e-06	0.0	59.6	-11.17	-7.35	0.03	-8.78e-03	-2.45e-03	-1.36
432	134	0.03	-2.40e-03	-1.81e-05	-9.24	0.0	7.64	3.56	-4.49e-05	-6.36e-04	-3.18e-03	-0.38
		-1.00	-3.18e-03	6.01e-06	0.0	59.6	7.64	-5.68	-4.49e-05	-6.36e-04	-2.40e-03	-1.00
432	139	0.48	-6.31e-03	8.54e-05	-9.24	0.0	-8.49	1.14	0.02	-0.03	-0.02	0.44
		-1.64	-0.02	-1.25e-04	0.0	59.6	-8.49	-8.10	0.02	-0.03	-6.31e-03	-1.64
432	140	0.17	6.46e-03	-3.99e-05	-9.24	0.0	-5.82	4.59	0.02	0.02	-0.01	-0.51
		-0.52	-0.01	2.13e-04	0.0	59.6	-5.82	-4.65	0.02	0.02	6.46e-03	-0.52
432	143	0.43	-7.46e-03	9.04e-05	-9.24	0.0	2.29	0.86	5.68e-03	-0.03	-7.46e-03	0.40
		-1.85	-0.01	-2.05e-04	0.0	59.6	2.29	-8.38	5.68e-03	-0.03	-0.01	-1.85
432	165	0.41	-2.46e-03	6.40e-05	-9.24	0.0	-12.34	1.78	0.03	-9.33e-03	-0.02	0.31
		-1.39	-0.02	1.36e-06	0.0	59.6	-12.34	-7.46	0.03	-9.33e-03	-2.46e-03	-1.39
432	166	0.02	-2.26e-03	-2.06e-05	-9.24	0.0	8.81	3.66	-1.70e-03	-9.52e-05	-2.26e-03	-0.42
		-0.98	-2.39e-03	6.73e-06	0.0	59.6	8.81	-5.57	-1.70e-03	-9.52e-05	-2.39e-03	-0.98
432	171	0.53	-6.82e-03	9.30e-05	-9.24	0.0	-9.35	0.94	0.02	-0.03	-0.02	0.51
		-1.70	-0.02	-1.43e-04	0.0	59.6	-9.35	-8.30	0.02	-0.03	-6.82e-03	-1.70
432	172	0.18	6.45e-03	-3.97e-05	-9.24	0.0	-5.49	4.58	0.02	0.02	-0.01	-0.50
		-0.52	-0.01	2.15e-04	0.0	59.6	-5.49	-4.66	0.02	0.02	6.45e-03	-0.52
432	175	0.42	-7.94e-03	9.02e-05	-9.24	0.0	1.96	0.86	6.02e-03	-0.03	-7.94e-03	0.40
		-1.85	-0.01	-2.07e-04	0.0	59.6	1.96	-8.37	6.02e-03	-0.03	-0.01	-1.85
432	197	0.41	-2.51e-03	6.39e-05	-9.24	0.0	-12.12	1.78	0.03	-9.51e-03	-0.02	0.31
		-1.39	-0.02	-1.10e-06	0.0	59.6	-12.12	-7.45	0.03	-9.51e-03	-2.51e-03	-1.39
432	198	0.02	-2.34e-03	-2.05e-05	-9.24	0.0	8.59	3.66	-1.38e-03	8.53e-05	-2.52e-03	-0.41
		-0.98	-2.52e-03	9.18e-06	0.0	59.6	8.59	-5.57	-1.38e-03	8.53e-05	-2.34e-03	-0.98
432	203	0.53	-6.93e-03	9.34e-05	-9.24	0.0	-9.40	0.92	0.02	-0.03	-0.02	0.51
		-1.71	-0.02	-1.50e-04	0.0	59.6	-9.40	-8.31	0.02	-0.03	-6.93e-03	-1.71
432	204	0.20	8.00e-03	-4.95e-05	-9.24	0.0	-5.95	4.90	0.02	0.02	-0.01	-0.58
		-0.58	-0.01	2.53e-04	0.0	59.6	-5.95	-4.33	0.02	0.02	8.00e-03	-0.40
432	215	0.51	-8.44e-03	1.04e-04	-9.24	0.0	1.48	0.49	5.47e-03	-0.04	-8.44e-03	0.50
		-1.97	-0.01	-2.91e-04	0.0	59.6	1.48	-8.74	5.47e-03	-0.04	-0.01	-1.97
432	229	0.45	-2.57e-03	7.04e-05	-9.24	0.0	-13.76	1.62	0.03	-0.01	-0.02	0.37
		-1.42	-0.02	-4.02e-06	0.0	59.6	-13.76	-7.62	0.03	-0.01	-2.57e-03	-1.42
432	230	-9.26e-04	-1.20e-03	-2.46e-05	-9.24	0.0	10.23	3.82	-3.76e-03	1.12e-03	-1.20e-03	-0.47
		-0.94	-2.28e-03	1.21e-05	0.0	59.6	10.23	-5.41	-3.76e-03	1.12e-03	-2.28e-03	-0.94
432	235	0.62	-7.82e-03	1.06e-04	-9.24	0.0	-10.70	0.59	0.02	-0.03	-0.02	0.61
		-1.81	-0.02	-1.83e-04	0.0	59.6	-10.70	-8.64	0.02	-0.03	-7.82e-03	-1.81
433	19	-0.55	-2.01e-03	4.89e-06	-4.63	0.0	0.62	1.62	-2.68e-04	-1.87e-03	-2.01e-03	-0.71
		-1.13	-2.03e-03	1.99e-06	0.0	59.6	0.62	-3.01	-2.68e-04	-1.87e-03	-2.03e-03	-1.13
433	28	-1.26	-3.55e-03	3.14e-05	-17.44	0.0	-4.89	7.14	-2.08e-03	-6.18e-03	-3.55e-03	-2.13
		-3.07	-4.10e-03	6.26e-06	0.0	59.6	-4.89	-10.30	-2.08e-03	-6.18e-03	-4.10e-03	-3.07
433	44	-1.18	-3.14e-03	3.21e-05	-14.33	0.0	-5.48	5.77	-2.41e-03	-6.37e-03	-3.14e-03	-1.87
		-2.70	-3.83e-03	5.57e-06	0.0	59.6	-5.48	-8.56	-2.41e-03	-6.37e-03	-3.83e-03	-2.70
433	45	-0.62	-1.55e-03	1.99e-05	-4.63	0.0	-3.89	1.69	-1.91e-03	-4.23e-03	-1.55e-03	-0.81
		-1.18	-2.16e-03	2.59e-06	0.0	59.6	-3.89	-2.95	-1.91e-03	-4.23e-03	-2.16e-03	-1.18
433	72	-0.59	-2.01e-03	7.90e-06	-5.09	0.0	-0.17	1.83	-5.11e-04	-2.28e-03	-2.01e-03	-0.78

		-1.21	-2.11e-03	2.34e-06	0.0	59.6	-0.17	-3.27	-5.11e-04	-2.28e-03	-2.11e-03	-1.21
433	80	-0.91	-2.57e-03	2.23e-05	-12.00	0.0	-3.42	4.88	-1.51e-03	-4.45e-03	-2.57e-03	-1.50
		-2.16	-2.97e-03	4.45e-06	0.0	59.6	-3.42	-7.12	-1.51e-03	-4.45e-03	-2.97e-03	-2.16
433	85	-0.64	-1.70e-03	1.79e-05	-5.09	0.0	-3.18	1.87	-1.60e-03	-3.85e-03	-1.70e-03	-0.84
		-1.25	-2.20e-03	2.74e-06	0.0	59.6	-3.18	-3.22	-1.60e-03	-3.85e-03	-2.20e-03	-1.25
433	88	-0.85	-2.30e-03	2.27e-05	-9.93	0.0	-3.82	3.96	-1.73e-03	-4.58e-03	-2.30e-03	-1.32
		-1.92	-2.79e-03	3.99e-06	0.0	59.6	-3.82	-5.96	-1.73e-03	-4.58e-03	-2.79e-03	-1.92
433	98	-0.77	-2.35e-03	1.65e-05	-9.93	0.0	-2.16	4.00	-1.05e-03	-3.49e-03	-2.35e-03	-1.24
		-1.82	-2.61e-03	3.82e-06	0.0	59.6	-2.16	-5.93	-1.05e-03	-3.49e-03	-2.61e-03	-1.82
433	102	-0.61	-1.91e-03	1.19e-05	-5.09	0.0	-1.32	1.84	-8.76e-04	-2.79e-03	-1.91e-03	-0.80
		-1.22	-2.14e-03	2.69e-06	0.0	59.6	-1.32	-3.25	-8.76e-04	-2.79e-03	-2.14e-03	-1.22
433	104	-0.62	-1.84e-03	1.39e-05	-5.09	0.0	-1.92	1.85	-1.09e-03	-3.10e-03	-1.84e-03	-0.82
		-1.23	-2.16e-03	2.77e-06	0.0	59.6	-1.92	-3.24	-1.09e-03	-3.10e-03	-2.16e-03	-1.23
433	105	-0.75	-2.25e-03	1.70e-05	-9.24	0.0	-2.40	3.70	-1.16e-03	-3.59e-03	-2.25e-03	-1.19
		-1.74	-2.56e-03	3.66e-06	0.0	59.6	-2.40	-5.54	-1.16e-03	-3.59e-03	-2.56e-03	-1.74
433	106	-0.61	-1.88e-03	1.29e-05	-5.09	0.0	-1.61	1.85	-9.67e-04	-2.92e-03	-1.88e-03	-0.81
		-1.23	-2.15e-03	2.78e-06	0.0	59.6	-1.61	-3.25	-9.67e-04	-2.92e-03	-2.15e-03	-1.23
433	107	-0.74	-2.28e-03	1.60e-05	-9.24	0.0	-2.08	3.69	-1.04e-03	-3.41e-03	-2.28e-03	-1.18
		-1.73	-2.55e-03	3.67e-06	0.0	59.6	-2.08	-5.54	-1.04e-03	-3.41e-03	-2.55e-03	-1.73
433	108	-0.16	4.41e-03	-2.26e-05	-9.24	0.0	-5.95	3.79	-6.65e-03	0.03	4.41e-03	-0.59
		-1.15	3.74e-03	1.91e-04	0.0	59.6	-5.95	-5.45	-6.65e-03	0.03	3.74e-03	-1.15
433	111	-1.33	-8.84e-03	4.77e-05	-9.24	0.0	1.78	3.60	4.58e-03	-0.03	-8.98e-03	-1.77
		-2.31	-8.98e-03	-1.83e-04	0.0	59.6	1.78	-5.64	4.58e-03	-0.03	-8.84e-03	-2.31
433	133	-0.86	-2.64e-03	3.54e-05	-9.24	0.0	-11.87	4.04	-6.88e-03	-9.61e-03	-2.68e-03	-1.36
		-1.77	-2.68e-03	0.0	0.0	59.6	-11.87	-5.19	-6.88e-03	-9.61e-03	-2.64e-03	-1.77
433	134	-0.62	-1.88e-03	-1.48e-05	-9.24	0.0	7.70	3.35	4.81e-03	2.79e-03	-1.88e-03	-1.00
		-1.69	-2.46e-03	6.52e-06	0.0	59.6	7.70	-5.89	4.81e-03	2.79e-03	-2.46e-03	-1.69
433	140	-0.08	5.25e-03	-2.54e-05	-9.24	0.0	-6.43	3.80	-7.35e-03	0.03	5.25e-03	-0.52
		-1.08	4.53e-03	2.14e-04	0.0	59.6	-6.43	-5.44	-7.35e-03	0.03	4.53e-03	-1.08
433	143	-1.40	-9.63e-03	5.17e-05	-9.24	0.0	2.27	3.59	5.28e-03	-0.04	-9.82e-03	-1.85
		-2.39	-9.82e-03	-2.07e-04	0.0	59.6	2.27	-5.65	5.28e-03	-0.04	-9.63e-03	-2.39
433	165	-0.88	-2.66e-03	3.78e-05	-9.24	0.0	-13.09	4.08	-7.62e-03	-0.01	-2.73e-03	-1.39
		-1.78	-2.73e-03	0.0	0.0	59.6	-13.09	-5.15	-7.62e-03	-0.01	-2.66e-03	-1.78
433	166	-0.60	-1.84e-03	-1.62e-05	-9.24	0.0	8.92	3.30	5.54e-03	3.60e-03	-1.84e-03	-0.98
		-1.69	-2.44e-03	7.34e-06	0.0	59.6	8.92	-5.93	5.54e-03	3.60e-03	-2.44e-03	-1.69
433	172	-0.08	4.91e-03	-2.53e-05	-9.24	0.0	-6.08	3.79	-6.99e-03	0.03	4.91e-03	-0.52
		-1.08	4.50e-03	2.16e-04	0.0	59.6	-6.08	-5.45	-6.99e-03	0.03	4.50e-03	-1.08
433	175	-1.40	-9.48e-03	5.16e-05	-9.24	0.0	1.92	3.60	4.91e-03	-0.04	-9.48e-03	-1.85
		-2.39	-9.60e-03	-2.09e-04	0.0	59.6	1.92	-5.64	4.91e-03	-0.04	-9.60e-03	-2.39
433	197	-0.88	-2.69e-03	3.77e-05	-9.24	0.0	-12.85	4.08	-7.41e-03	-0.01	-2.69e-03	-1.39
		-1.78	-2.72e-03	-2.41e-06	0.0	59.6	-12.85	-5.16	-7.41e-03	-0.01	-2.72e-03	-1.78
433	198	-0.60	-1.88e-03	-1.61e-05	-9.24	0.0	8.68	3.31	5.33e-03	3.82e-03	-1.88e-03	-0.98
		-1.68	-2.38e-03	9.75e-06	0.0	59.6	8.68	-5.93	5.33e-03	3.82e-03	-2.38e-03	-1.68
433	204	0.03	6.00e-03	-2.97e-05	-9.24	0.0	-6.58	3.80	-7.80e-03	0.03	6.00e-03	-0.40
		-0.97	5.74e-03	2.55e-04	0.0	59.6	-6.58	-5.44	-7.80e-03	0.03	5.74e-03	-0.97
433	207	-1.52	-0.01	5.77e-05	-9.24	0.0	2.41	3.59	5.73e-03	-0.04	-0.01	-1.96
		-2.50	-0.01	-2.47e-04	0.0	59.6	2.41	-5.65	5.73e-03	-0.04	-0.01	-2.50
433	229	-0.91	-2.74e-03	4.14e-05	-9.24	0.0	-14.56	4.14	-8.42e-03	-0.01	-2.74e-03	-1.42
		-1.80	-2.79e-03	-5.48e-06	0.0	59.6	-14.56	-5.10	-8.42e-03	-0.01	-2.79e-03	-1.80
433	230	-0.57	-1.82e-03	-1.82e-05	-9.24	0.0	10.39	3.25	6.35e-03	5.28e-03	-1.82e-03	-0.94
		-1.67	-2.30e-03	1.28e-05	0.0	59.6	10.39	-5.99	6.35e-03	5.28e-03	-2.30e-03	-1.67
434	4	-2.07	-2.94e-03	-1.96e-05	-17.44	0.0	-2.45	7.54	1.10e-03	-2.99e-03	-3.84e-03	-3.04
		-3.74	-3.84e-03	5.35e-06	0.0	59.6	-2.45	-9.90	1.10e-03	-2.99e-03	-2.94e-03	-3.74
434	19	-0.95	-1.40e-03	-5.79e-06	-4.63	0.0	0.49	1.69	1.08e-03	-3.51e-04	-2.00e-03	-1.13
		-1.50	-2.00e-03	1.72e-06	0.0	59.6	0.49	-2.94	1.08e-03	-3.51e-04	-1.40e-03	-1.50
434	44	-1.85	-3.17e-03	1.66e-05	-14.33	0.0	-5.66	6.42	-8.82e-04	-6.74e-03	-3.46e-03	-2.70
		-3.15	-3.46e-03	5.03e-06	0.0	59.6	-5.66	-7.91	-8.82e-04	-6.74e-03	-3.17e-03	-3.15
434	45	-0.90	-1.89e-03	1.13e-05	-4.63	0.0	-3.96	2.09	-1.16e-03	-5.09e-03	-1.89e-03	-1.18
		-1.32	-1.92e-03	2.28e-06	0.0	59.6	-3.96	-2.55	-1.16e-03	-5.09e-03	-1.92e-03	-1.32
434	68	-1.48	-2.15e-03	-1.32e-05	-12.00	0.0	-1.81	5.17	7.70e-04	-2.24e-03	-2.79e-03	-2.14
		-2.64	-2.79e-03	3.81e-06	0.0	59.6	-1.81	-6.83	7.70e-04	-2.24e-03	-2.15e-03	-2.64
434	72	-0.99	-1.51e-03	-5.42e-06	-5.09	0.0	-0.31	1.96	8.41e-04	-9.90e-04	-2.05e-03	-1.21
		-1.56	-2.05e-03	2.05e-06	0.0	59.6	-0.31	-3.13	8.41e-04	-9.90e-04	-1.51e-03	-1.56
434	85	-0.96	-1.85e-03	9.63e-06	-5.09	0.0	-3.27	2.22	-6.55e-04	-4.15e-03	-1.85e-03	-1.25
		-1.44	-1.98e-03	2.43e-06	0.0	59.6	-3.27	-2.87	-6.55e-04	-4.15e-03	-1.85e-03	-1.44
434	88	-1.33	-2.30e-03	1.17e-05	-9.93	0.0	-3.95	4.42	-5.52e-04	-4.73e-03	-2.54e-03	-1.92
		-2.24	-2.54e-03	3.60e-06	0.0	59.6	-3.95	-5.50	-5.52e-04	-4.73e-03	-2.30e-03	-2.24
434	98	-1.26	-1.97e-03	-1.00e-05	-9.93	0.0	-2.32	4.32	4.01e-04	-2.61e-03	-2.47e-03	-1.82
		-2.20	-2.47e-03	3.46e-06	0.0	59.6	-2.32	-5.60	4.01e-04	-2.61e-03	-1.97e-03	-2.20
434	102	-0.98	-1.60e-03	5.04e-06	-5.09	0.0	-1.45	2.06	4.34e-04	-1.91e-03	-2.03e-03	-1.22
		-1.51	-2.03e-03	2.39e-06	0.0	59.6	-1.45	-3.03	4.34e-04	-1.91e-03	-1.60e-03	-1.51
434	104	-0.97	-1.67e-03	6.56e-06	-5.09	0.0	-2.04	2.12	1.35e-04	-2.54e-03	-2.02e-03	-1.23
		-1.49	-2.02e-03	2.47e-06	0.0	59.6	-2.04	-2.98	1.35e-04	-2.54e-03	-1.67e-03	-1.49
434	105	-1.21	-1.97e-03	-8.79e-06	-9.24	0.0	-2.54	4.03	1.93e-04	-2.95e-03	-2.39e-03	-1.74
		-2.09	-2.39e-03	3.31e-06	0.0	59.6	-2.54	-5.20	1.93e-04	-2.95e-03	-1.97e-03	-2.09

434	106	-0.97	-1.62e-03	5.79e-06	-5.09	0.0	-1.73	2.09	3.32e-04	-2.14e-03	-2.03e-03	-1.23
		-1.50	-2.03e-03	2.48e-06	0.0	59.6	-1.73	-3.00	3.32e-04	-2.14e-03	-1.62e-03	-1.50
434	107	-1.22	-1.92e-03	-9.12e-06	-9.24	0.0	-2.24	4.01	3.91e-04	-2.55e-03	-2.40e-03	-1.73
		-2.10	-2.40e-03	3.32e-06	0.0	59.6	-2.24	-5.23	3.91e-04	-2.55e-03	-1.92e-03	-2.10
434	108	-0.75	3.31e-03	-1.90e-05	-9.24	0.0	-5.36	3.22	-5.16e-03	-0.02	3.31e-03	-1.15
		-1.81	2.15e-03	1.92e-04	0.0	59.6	-5.36	-6.01	-5.16e-03	-0.02	2.15e-03	-1.81
434	111	-1.66	-6.00e-03	2.51e-05	-9.24	0.0	0.89	4.79	5.94e-03	0.02	-8.12e-03	-2.31
		-2.39	-8.12e-03	-1.85e-04	0.0	59.6	0.89	-4.45	5.94e-03	0.02	-6.00e-03	-2.39
434	113	-0.74	3.14e-03	-1.36e-05	-9.24	0.0	-8.65	3.78	-7.15e-03	-0.03	3.14e-03	-1.30
		-1.58	1.35e-03	1.91e-04	0.0	59.6	-8.65	-5.45	-7.15e-03	-0.03	1.35e-03	-1.58
434	133	-0.93	9.46e-04	1.96e-05	-9.24	0.0	-10.79	4.88	-5.18e-03	-0.02	9.46e-04	-1.77
		-1.77	-2.05e-03	0.0	0.0	59.6	-10.79	-4.36	-5.18e-03	-0.02	-2.05e-03	-1.48
434	134	-1.42	-1.79e-03	-1.49e-05	-9.24	0.0	6.31	3.13	5.96e-03	0.02	-5.75e-03	-1.69
		-2.72	-5.75e-03	6.96e-06	0.0	59.6	6.31	-6.10	5.96e-03	0.02	-1.79e-03	-2.72
434	140	-0.69	4.02e-03	-2.05e-05	-9.24	0.0	-5.75	3.12	-5.85e-03	-0.03	4.02e-03	-1.08
		-1.77	2.66e-03	2.16e-04	0.0	59.6	-5.75	-6.11	-5.85e-03	-0.03	2.66e-03	-1.77
434	143	-1.72	-6.51e-03	2.74e-05	-9.24	0.0	1.28	4.89	6.63e-03	0.02	-8.83e-03	-2.39
		-2.42	-8.83e-03	-2.09e-04	0.0	59.6	1.28	-4.35	6.63e-03	0.02	-6.51e-03	-2.42
434	145	-0.68	3.83e-03	-1.42e-05	-9.24	0.0	-9.45	3.75	-8.08e-03	-0.04	3.83e-03	-1.24
		-1.51	1.75e-03	2.15e-04	0.0	59.6	-9.45	-5.48	-8.08e-03	-0.04	1.75e-03	-1.51
434	165	-0.89	1.36e-03	2.12e-05	-9.24	0.0	-11.86	4.99	-5.87e-03	-0.03	1.36e-03	-1.78
		-1.78	-2.08e-03	-1.24e-06	0.0	59.6	-11.86	-4.25	-5.87e-03	-0.03	-2.08e-03	-1.40
434	166	-1.44	-1.77e-03	-1.57e-05	-9.24	0.0	7.38	3.02	6.65e-03	0.02	-6.16e-03	-1.69
		-2.80	-6.16e-03	7.88e-06	0.0	59.6	7.38	-6.21	6.65e-03	0.02	-1.77e-03	-2.80
434	172	-0.70	3.66e-03	-2.05e-05	-9.24	0.0	-5.46	3.14	-5.39e-03	-0.03	3.66e-03	-1.08
		-1.79	2.63e-03	2.18e-04	0.0	59.6	-5.46	-6.09	-5.39e-03	-0.03	2.63e-03	-1.79
434	175	-1.71	-6.47e-03	2.74e-05	-9.24	0.0	0.99	4.87	6.17e-03	0.02	-8.47e-03	-2.39
		-2.41	-8.47e-03	-2.11e-04	0.0	59.6	0.99	-4.37	6.17e-03	0.02	-6.47e-03	-2.41
434	177	-0.69	3.47e-03	-1.43e-05	-9.24	0.0	-9.07	3.77	-7.52e-03	-0.03	3.47e-03	-1.24
		-1.53	1.71e-03	2.17e-04	0.0	59.6	-9.07	-5.47	-7.52e-03	-0.03	1.71e-03	-1.53
434	197	-0.90	1.13e-03	2.11e-05	-9.24	0.0	-11.67	4.98	-5.59e-03	-0.03	1.13e-03	-1.78
		-1.78	-2.12e-03	-3.60e-06	0.0	59.6	-11.67	-4.25	-5.59e-03	-0.03	-2.12e-03	-1.41
434	198	-1.44	-1.72e-03	-1.57e-05	-9.24	0.0	7.19	3.03	6.37e-03	0.02	-5.94e-03	-1.68
		-2.78	-5.94e-03	1.02e-05	0.0	59.6	7.19	-6.21	6.37e-03	0.02	-1.72e-03	-2.78
434	204	-0.61	4.54e-03	-2.28e-05	-9.24	0.0	-5.86	3.01	-6.13e-03	-0.03	4.54e-03	-0.97
		-1.74	3.42e-03	2.56e-04	0.0	59.6	-5.86	-6.23	-6.13e-03	-0.03	3.42e-03	-1.74
434	207	-1.79	-7.27e-03	3.10e-05	-9.24	0.0	1.39	5.00	6.91e-03	0.03	-9.35e-03	-2.50
		-2.50	-9.35e-03	-2.49e-04	0.0	59.6	1.39	-4.23	6.91e-03	0.03	-7.27e-03	-2.45
434	209	-0.61	4.32e-03	-1.54e-05	-9.24	0.0	-10.04	3.73	-8.59e-03	-0.04	4.32e-03	-1.16
		-1.45	2.34e-03	2.55e-04	0.0	59.6	-10.04	-5.51	-8.59e-03	-0.04	2.34e-03	-1.45
434	229	-0.84	1.64e-03	2.35e-05	-9.24	0.0	-13.18	5.15	-6.48e-03	-0.03	1.64e-03	-1.80
		-1.80	-2.19e-03	-6.81e-06	0.0	59.6	-13.18	-4.09	-6.48e-03	-0.03	-2.19e-03	-1.30
434	230	-1.46	-1.66e-03	-1.70e-05	-9.24	0.0	8.70	2.86	7.27e-03	0.03	-6.45e-03	-1.67
		-2.89	-6.45e-03	1.34e-05	0.0	59.6	8.70	-6.37	7.27e-03	0.03	-1.66e-03	-2.89
435	4	-2.82	-2.02e-03	-2.56e-05	-17.44	0.0	-2.60	7.33	1.32e-03	-1.26e-03	-2.87e-03	-3.74
		-4.57	-2.87e-03	4.93e-06	0.0	59.6	-2.60	-10.10	1.32e-03	-1.26e-03	-2.02e-03	-4.57
435	19	-1.36	-7.05e-04	-8.72e-06	-4.63	0.0	0.41	1.52	1.72e-03	1.44e-03	-1.47e-03	-1.50
		-1.98	-1.47e-03	1.51e-06	0.0	59.6	0.41	-3.12	1.72e-03	1.44e-03	-7.05e-04	-1.98
435	44	-2.29	-2.73e-03	-1.70e-05	-14.33	0.0	-5.75	6.43	-2.43e-03	-8.33e-03	-2.73e-03	-3.15
		-3.59	-3.11e-03	4.64e-06	0.0	59.6	-5.75	-7.91	-2.43e-03	-8.33e-03	-3.11e-03	-3.59
435	45	-1.02	-1.55e-03	4.60e-06	-4.63	0.0	-3.99	2.15	-2.60e-03	-7.06e-03	-1.55e-03	-1.32
		-1.42	-2.16e-03	2.06e-06	0.0	59.6	-3.99	-2.48	-2.60e-03	-7.06e-03	-2.16e-03	-1.42
435	68	-2.01	-1.49e-03	-1.75e-05	-12.00	0.0	-1.92	5.03	9.07e-04	-1.01e-03	-2.09e-03	-2.64
		-3.22	-2.09e-03	3.51e-06	0.0	59.6	-1.92	-6.97	9.07e-04	-1.01e-03	-1.49e-03	-3.22
435	72	-1.37	-9.07e-04	-8.31e-06	-5.09	0.0	-0.39	1.82	1.23e-03	4.11e-04	-1.52e-03	-1.56
		-1.99	-1.52e-03	1.84e-06	0.0	59.6	-0.39	-3.27	1.23e-03	4.11e-04	-9.07e-04	-1.99
435	85	-1.14	-1.58e-03	-4.93e-06	-5.09	0.0	-3.31	2.25	-1.65e-03	-5.26e-03	-1.58e-03	-1.44
		-1.62	-1.88e-03	2.21e-06	0.0	59.6	-3.31	-2.85	-1.65e-03	-5.26e-03	-1.88e-03	-1.62
435	88	-1.65	-1.99e-03	-1.18e-05	-9.93	0.0	-4.02	4.42	-1.59e-03	-5.73e-03	-1.99e-03	-2.24
		-2.56	-2.21e-03	3.31e-06	0.0	59.6	-4.02	-5.51	-1.59e-03	-5.73e-03	-2.21e-03	-2.56
435	98	-1.66	-1.50e-03	-1.37e-05	-9.93	0.0	-2.41	4.24	2.79e-04	-1.94e-03	-1.87e-03	-2.20
		-2.63	-1.87e-03	3.19e-06	0.0	59.6	-2.41	-5.69	2.79e-04	-1.94e-03	-1.50e-03	-2.63
435	102	-1.28	-1.17e-03	-6.83e-06	-5.09	0.0	-1.52	1.99	4.43e-04	-1.15e-03	-1.54e-03	-1.51
		-1.84	-1.54e-03	2.18e-06	0.0	59.6	-1.52	-3.10	4.43e-04	-1.15e-03	-1.17e-03	-1.84
435	104	-1.24	-1.36e-03	-6.18e-06	-5.09	0.0	-2.11	2.08	-1.33e-04	-2.28e-03	-1.55e-03	-1.49
		-1.77	-1.55e-03	2.25e-06	0.0	59.6	-2.11	-3.02	-1.33e-04	-2.28e-03	-1.36e-03	-1.77
435	105	-1.58	-1.59e-03	-1.23e-05	-9.24	0.0	-2.63	3.96	-1.05e-04	-2.63e-03	-1.83e-03	-2.09
		-2.48	-1.83e-03	3.05e-06	0.0	59.6	-2.63	-5.27	-1.05e-04	-2.63e-03	-1.59e-03	-2.48
435	106	-1.26	-1.24e-03	-6.51e-06	-5.09	0.0	-1.81	2.03	2.46e-04	-1.54e-03	-1.54e-03	-1.50
		-1.81	-1.54e-03	2.26e-06	0.0	59.6	-1.81	-3.06	2.46e-04	-1.54e-03	-1.24e-03	-1.81
435	107	-1.60	-1.46e-03	-1.26e-05	-9.24	0.0	-2.32	3.92	2.75e-04	-1.88e-03	-1.82e-03	-2.10
		-2.51	-1.82e-03	3.06e-06	0.0	59.6	-2.32	-5.31	2.75e-04	-1.88e-03	-1.46e-03	-2.51
435	113	-0.82	2.30e-03	-1.46e-05	-9.24	0.0	-8.20	3.61	-6.89e-03	-0.03	2.30e-03	-1.58
		-1.58	9.97e-04	1.92e-04	0.0	59.6	-8.20	-5.62	-6.89e-03	-0.03	9.97e-04	-1.44
435	114	-2.33	-3.92e-03	-1.07e-05	-9.24	0.0	3.55	4.23	7.44e-03	0.03	-5.94e-03	-2.62

		-3.58	-5.94e-03	-1.86e-04	0.0	59.6	3.55	-5.01	7.44e-03	0.03	-3.92e-03	-3.58
435	133	-0.43	9.14e-04	1.19e-05	-9.24	0.0	-10.05	5.36	-5.33e-03	-0.02	9.14e-04	-1.48
		-1.48	-1.67e-03	-1.31e-06	0.0	59.6	-10.05	-3.88	-5.33e-03	-0.02	-1.67e-03	-0.83
435	134	-2.57	-1.25e-03	-1.90e-05	-9.24	0.0	5.40	2.49	5.88e-03	0.02	-4.55e-03	-2.72
		-4.20	-4.55e-03	7.43e-06	0.0	59.6	5.40	-6.75	5.88e-03	0.02	-1.25e-03	-4.20
435	145	-0.72	2.81e-03	-1.49e-05	-9.24	0.0	-8.94	3.58	-7.79e-03	-0.03	2.81e-03	-1.51
		-1.51	1.30e-03	2.16e-04	0.0	59.6	-8.94	-5.66	-7.79e-03	-0.03	1.30e-03	-1.31
435	146	-2.42	-4.22e-03	-1.04e-05	-9.24	0.0	4.29	4.27	8.34e-03	0.03	-6.44e-03	-2.69
		-3.72	-6.44e-03	-2.10e-04	0.0	59.6	4.29	-4.97	8.34e-03	0.03	-4.22e-03	-3.72
435	165	-0.27	1.25e-03	1.35e-05	-9.24	0.0	-11.02	5.54	-6.03e-03	-0.03	1.25e-03	-1.40
		-1.40	-1.70e-03	-2.32e-06	0.0	59.6	-11.02	-3.70	-6.03e-03	-0.03	-1.70e-03	-0.62
435	166	-2.68	-1.22e-03	-2.00e-05	-9.24	0.0	6.37	2.30	6.58e-03	0.02	-4.89e-03	-2.80
		-4.41	-4.89e-03	8.43e-06	0.0	59.6	6.37	-6.93	6.58e-03	0.02	-1.22e-03	-4.41
435	177	-0.76	2.47e-03	-1.52e-05	-9.24	0.0	-8.65	3.60	-7.34e-03	-0.03	2.47e-03	-1.53
		-1.53	1.24e-03	2.18e-04	0.0	59.6	-8.65	-5.64	-7.34e-03	-0.03	1.24e-03	-1.37
435	178	-2.38	-4.16e-03	-1.02e-05	-9.24	0.0	4.00	4.24	7.89e-03	0.03	-6.11e-03	-2.66
		-3.66	-6.11e-03	-2.12e-04	0.0	59.6	4.00	-4.99	7.89e-03	0.03	-4.16e-03	-3.66
435	197	-0.29	1.06e-03	1.33e-05	-9.24	0.0	-10.87	5.53	-5.82e-03	-0.03	1.06e-03	-1.41
		-1.41	-1.74e-03	-4.63e-06	0.0	59.6	-10.87	-3.71	-5.82e-03	-0.03	-1.74e-03	-0.65
435	198	-2.66	-1.18e-03	-1.99e-05	-9.24	0.0	6.22	2.31	6.37e-03	0.02	-4.70e-03	-2.78
		-4.38	-4.70e-03	1.07e-05	0.0	59.6	6.22	-6.92	6.37e-03	0.02	-1.18e-03	-4.38
435	209	-0.63	3.06e-03	-1.57e-05	-9.24	0.0	-9.59	3.55	-8.42e-03	-0.04	3.06e-03	-1.45
		-1.45	1.70e-03	2.56e-04	0.0	59.6	-9.59	-5.68	-8.42e-03	-0.04	1.70e-03	-1.20
435	210	-2.50	-4.63e-03	-9.66e-06	-9.24	0.0	4.94	4.29	8.97e-03	0.03	-6.70e-03	-2.75
		-3.83	-6.70e-03	-2.50e-04	0.0	59.6	4.94	-4.94	8.97e-03	0.03	-4.63e-03	-3.83
435	229	-0.06	1.47e-03	1.57e-05	-9.24	0.0	-12.26	5.80	-6.78e-03	-0.03	1.47e-03	-1.30
		-1.30	-1.81e-03	-7.95e-06	0.0	59.6	-12.26	-3.43	-6.78e-03	-0.03	-1.81e-03	-0.35
435	230	-2.81	-1.11e-03	-2.14e-05	-9.24	0.0	7.61	2.04	7.33e-03	0.03	-5.11e-03	-2.89
		-4.68	-5.11e-03	1.41e-05	0.0	59.6	7.61	-7.19	7.33e-03	0.03	-1.11e-03	-4.68
435	233	-0.08	1.14e-03	1.52e-05	-9.24	0.0	-12.28	5.77	-2.15e-03	-9.66e-03	1.14e-03	-1.34
		-1.34	-1.85e-03	5.11e-06	0.0	59.6	-12.28	-3.47	-2.15e-03	-9.66e-03	-1.85e-03	-0.36
435	234	-2.78	-1.08e-03	-2.10e-05	-9.24	0.0	7.63	2.07	2.70e-03	5.89e-03	-4.78e-03	-2.86
		-4.67	-4.78e-03	0.0	0.0	59.6	7.63	-7.16	2.70e-03	5.89e-03	-1.08e-03	-4.67
436	4	-3.78	-1.95e-03	-3.53e-05	-17.44	0.0	-2.68	6.78	-0.02	2.49e-04	-1.95e-03	-4.57
		-5.72	-0.01	4.64e-06	0.0	59.6	-2.68	-10.65	-0.02	2.49e-04	-0.01	-5.72
436	19	-1.89	-8.45e-04	-1.55e-05	-4.63	0.0	0.37	1.20	-8.15e-03	3.42e-03	-8.45e-04	-1.98
		-2.64	-6.06e-03	1.36e-06	0.0	59.6	0.37	-3.43	-8.15e-03	3.42e-03	-6.06e-03	-2.64
436	28	-3.32	-2.40e-03	-3.08e-05	-17.44	0.0	-5.31	7.30	-0.02	-7.94e-03	-2.40e-03	-4.23
		-5.08	-0.01	4.96e-06	0.0	59.6	-5.31	-10.14	-0.02	-7.94e-03	-0.01	-5.08
436	44	-2.81	-2.45e-03	-2.40e-05	-14.33	0.0	-5.81	6.12	-0.02	-0.01	-2.45e-03	-3.59
		-4.21	-0.01	4.36e-06	0.0	59.6	-5.81	-8.21	-0.02	-0.01	-0.01	-4.21
436	45	-1.14	-1.60e-03	-6.37e-06	-4.63	0.0	-4.01	2.07	-0.01	-0.01	-1.60e-03	-1.42
		-1.57	-7.30e-03	1.91e-06	0.0	59.6	-4.01	-2.57	-0.01	-0.01	-7.30e-03	-1.57
436	68	-2.68	-1.43e-03	-2.44e-05	-12.00	0.0	-1.98	4.64	-0.01	3.43e-05	-1.43e-03	-3.22
		-4.03	-9.99e-03	3.30e-06	0.0	59.6	-1.98	-7.36	-0.01	3.43e-05	-9.99e-03	-4.03
436	72	-1.85	-9.63e-04	-1.42e-05	-5.09	0.0	-0.43	1.54	-8.98e-03	1.84e-03	-9.63e-04	-1.99
		-2.59	-6.46e-03	1.68e-06	0.0	59.6	-0.43	-3.56	-8.98e-03	1.84e-03	-6.46e-03	-2.59
436	80	-2.38	-1.73e-03	-2.14e-05	-12.00	0.0	-3.73	4.98	-0.02	-5.42e-03	-1.73e-03	-2.99
		-3.60	-0.01	3.51e-06	0.0	59.6	-3.73	-7.01	-0.02	-5.42e-03	-0.01	-3.60
436	85	-1.36	-1.46e-03	-8.34e-06	-5.09	0.0	-3.35	2.11	-0.01	-7.26e-03	-1.46e-03	-1.62
		-1.88	-7.29e-03	2.05e-06	0.0	59.6	-3.35	-2.98	-0.01	-7.26e-03	-7.29e-03	-1.88
436	88	-2.03	-1.76e-03	-1.69e-05	-9.93	0.0	-4.07	4.19	-0.02	-7.68e-03	-1.76e-03	-2.56
		-3.02	-9.83e-03	3.11e-06	0.0	59.6	-4.07	-5.73	-0.02	-7.68e-03	-9.83e-03	-3.02
436	98	-2.17	-1.37e-03	-1.92e-05	-9.93	0.0	-2.47	3.94	-0.01	-1.59e-03	-1.37e-03	-2.63
		-3.24	-8.79e-03	3.00e-06	0.0	59.6	-2.47	-5.99	-0.01	-1.59e-03	-8.79e-03	-3.24
436	102	-1.66	-1.10e-03	-1.16e-05	-5.09	0.0	-1.57	1.77	-9.61e-03	-6.08e-04	-1.10e-03	-1.84
		-2.31	-6.66e-03	2.02e-06	0.0	59.6	-1.57	-3.33	-9.61e-03	-6.08e-04	-6.66e-03	-2.31
436	104	-1.56	-1.20e-03	-1.04e-05	-5.09	0.0	-2.15	1.88	-0.01	-2.43e-03	-1.20e-03	-1.77
		-2.17	-6.82e-03	2.09e-06	0.0	59.6	-2.15	-3.21	-0.01	-2.43e-03	-6.82e-03	-2.17
436	105	-2.04	-1.40e-03	-1.75e-05	-9.24	0.0	-2.68	3.69	-0.01	-2.74e-03	-1.40e-03	-2.48
		-3.03	-8.61e-03	2.86e-06	0.0	59.6	-2.68	-5.54	-0.01	-2.74e-03	-8.61e-03	-3.03
436	106	-1.61	-1.13e-03	-1.10e-05	-5.09	0.0	-1.85	1.82	-9.77e-03	-1.22e-03	-1.13e-03	-1.81
		-2.24	-6.70e-03	2.10e-06	0.0	59.6	-1.85	-3.27	-9.77e-03	-1.22e-03	-6.70e-03	-2.24
436	107	-2.09	-1.33e-03	-1.80e-05	-9.24	0.0	-2.38	3.63	-0.01	-1.53e-03	-1.33e-03	-2.51
		-3.10	-8.49e-03	2.87e-06	0.0	59.6	-2.38	-5.60	-0.01	-1.53e-03	-8.49e-03	-3.10
436	116	-2.25	1.59e-03	-3.31e-05	-9.24	0.0	-5.31	1.90	-0.09	0.03	1.59e-03	-2.25
		-5.00	-0.05	2.11e-04	0.0	59.6	-5.31	-7.33	-0.09	0.03	-0.05	-5.00
436	119	-1.08	0.04	8.70e-06	-9.24	0.0	0.55	5.37	0.07	-0.03	-4.25e-03	-2.78
		-2.78	-4.25e-03	-2.05e-04	0.0	59.6	0.55	-3.87	0.07	-0.03	0.04	-1.20
436	133	0.49	1.19e-03	1.15e-05	-9.24	0.0	-9.65	6.41	-7.56e-03	-0.02	1.19e-03	-0.83
		-0.83	-5.94e-03	-2.16e-06	0.0	59.6	-9.65	-2.82	-7.56e-03	-0.02	-5.94e-03	0.23
436	136	-3.84	-2.15e-03	-3.85e-05	-9.24	0.0	2.49	0.84	-0.06	0.02	-2.15e-03	-3.84
		-6.43	-0.03	1.39e-04	0.0	59.6	2.49	-8.40	-0.06	0.02	-0.03	-6.43
436	137	0.02	9.59e-04	-1.17e-05	-9.24	0.0	-9.66	5.73	-8.02e-03	-7.57e-03	9.59e-04	-0.84
		-0.84	-6.53e-03	2.85e-06	0.0	59.6	-9.66	-3.50	-8.02e-03	-7.57e-03	-6.53e-03	-0.52

436	138	-4.05	-3.63e-03	-2.91e-05	-9.24	0.0	4.90	1.54	-0.02	4.50e-03	-3.63e-03	-4.19
		-5.68	-0.01	2.88e-06	0.0	59.6	4.90	-7.70	-0.02	4.50e-03	-0.01	-5.68
436	148	-2.22	1.92e-03	-3.55e-05	-9.24	0.0	-5.68	1.69	-0.10	0.03	1.92e-03	-2.22
		-5.23	-0.06	2.38e-04	0.0	59.6	-5.68	-7.55	-0.10	0.03	-0.06	-5.23
436	151	-0.89	0.04	1.12e-05	-9.24	0.0	0.91	5.58	0.08	-0.03	-4.59e-03	-2.81
		-2.81	-4.59e-03	-2.32e-04	0.0	59.6	0.91	-3.65	0.08	-0.03	0.04	-0.97
436	165	0.84	1.51e-03	1.45e-05	-9.24	0.0	-10.56	6.76	-6.88e-03	-0.02	1.51e-03	-0.62
		-0.62	-5.58e-03	-3.25e-06	0.0	59.6	-10.56	-2.47	-6.88e-03	-0.02	-5.58e-03	0.64
436	168	-4.01	-2.26e-03	-4.18e-05	-9.24	0.0	3.11	0.49	-0.06	0.02	-2.26e-03	-4.01
		-6.85	-0.04	1.58e-04	0.0	59.6	3.11	-8.75	-0.06	0.02	-0.04	-6.85
436	169	0.29	1.23e-03	-1.11e-05	-9.24	0.0	-10.58	6.00	-7.48e-03	-8.34e-03	1.23e-03	-0.63
		-0.63	-6.30e-03	2.81e-06	0.0	59.6	-10.58	-3.24	-7.48e-03	-8.34e-03	-6.30e-03	-0.19
436	170	-4.28	-3.90e-03	-3.13e-05	-9.24	0.0	5.81	1.27	-0.02	5.27e-03	-3.90e-03	-4.40
		-6.01	-0.01	2.93e-06	0.0	59.6	5.81	-7.96	-0.02	5.27e-03	-0.01	-6.01
436	180	-2.26	1.57e-03	-3.45e-05	-9.24	0.0	-5.60	1.72	-0.10	0.03	1.57e-03	-2.26
		-5.15	-0.06	2.49e-04	0.0	59.6	-5.60	-7.51	-0.10	0.03	-0.06	-5.15
436	183	-0.95	0.04	1.03e-05	-9.24	0.0	0.83	5.55	0.08	-0.03	-4.24e-03	-2.77
		-2.77	-4.24e-03	-2.43e-04	0.0	59.6	0.83	-3.69	0.08	-0.03	0.04	-1.05
436	197	0.79	1.35e-03	1.42e-05	-9.24	0.0	-10.45	6.72	-6.43e-03	-0.02	1.35e-03	-0.65
		-0.65	-5.24e-03	-5.52e-06	0.0	59.6	-10.45	-2.51	-6.43e-03	-0.02	-5.24e-03	0.59
436	200	-4.00	-2.27e-03	-4.13e-05	-9.24	0.0	3.09	0.52	-0.06	0.02	-2.27e-03	-4.00
		-6.80	-0.04	1.64e-04	0.0	59.6	3.09	-8.72	-0.06	0.02	-0.04	-6.80
436	201	0.27	1.05e-03	-1.10e-05	-9.24	0.0	-10.48	5.98	-7.92e-03	-8.32e-03	1.05e-03	-0.66
		-0.66	-6.56e-03	3.23e-06	0.0	59.6	-10.48	-3.26	-7.92e-03	-8.32e-03	-6.56e-03	-0.21
436	202	-4.25	-3.72e-03	-3.13e-05	-9.24	0.0	5.72	1.29	-0.02	5.25e-03	-3.72e-03	-4.36
		-5.99	-0.01	2.51e-06	0.0	59.6	5.72	-7.94	-0.02	5.25e-03	-0.01	-5.99
436	212	-2.22	1.95e-03	-3.83e-05	-9.24	0.0	-6.21	1.38	-0.12	0.03	1.95e-03	-2.22
		-5.50	-0.07	3.01e-04	0.0	59.6	-6.21	-7.85	-0.12	0.03	-0.07	-5.50
436	215	-0.67	0.05	1.40e-05	-9.24	0.0	1.45	5.89	0.09	-0.04	-4.62e-03	-2.81
		-2.81	-4.62e-03	-2.95e-04	0.0	59.6	1.45	-3.35	0.09	-0.04	0.05	-0.71
436	229	1.32	1.74e-03	1.85e-05	-9.24	0.0	-11.79	7.23	-5.24e-03	-0.03	1.74e-03	-0.35
		-0.35	-4.56e-03	-8.94e-06	0.0	59.6	-11.79	-2.00	-5.24e-03	-0.03	-4.56e-03	1.19
436	232	-4.25	-2.43e-03	-4.63e-05	-9.24	0.0	3.99	-7.71e-03	-0.07	0.03	-2.43e-03	-4.25
		-7.41	-0.04	1.98e-04	0.0	59.6	3.99	-9.24	-0.07	0.03	-0.04	-7.41
436	233	0.68	1.39e-03	1.02e-05	-9.24	0.0	-11.86	6.36	-7.71e-03	-9.37e-03	1.39e-03	-0.36
		-0.36	-6.55e-03	3.94e-06	0.0	59.6	-11.86	-2.88	-7.71e-03	-9.37e-03	-6.55e-03	0.27
436	234	-4.58	-4.06e-03	-3.45e-05	-9.24	0.0	7.10	0.91	-0.02	6.30e-03	-4.06e-03	-4.67
		-6.47	-0.01	1.80e-06	0.0	59.6	7.10	-8.33	-0.02	6.30e-03	-0.01	-6.47
437	7	0.60	7.65e-05	-1.03e-04	-0.19	0.0	1.50	0.56	-2.39e-03	-7.35e-03	7.65e-05	0.32
		0.32	-1.36e-03	-5.54e-06	0.0	60.0	1.50	0.38	-2.39e-03	-7.35e-03	-1.36e-03	0.60
437	18	0.79	6.24e-05	-1.22e-04	-0.24	0.0	1.98	0.69	-3.65e-03	-8.65e-03	6.24e-05	0.45
		0.45	-2.12e-03	-7.88e-06	0.0	60.0	1.98	0.45	-3.65e-03	-8.65e-03	-2.12e-03	0.79
437	42	0.85	3.73e-03	-1.12e-04	-0.24	0.0	1.22	0.65	5.81e-03	-6.71e-03	2.46e-04	0.53
		0.53	2.46e-04	3.30e-06	0.0	60.0	1.22	0.41	5.81e-03	-6.71e-03	3.73e-03	0.85
437	45	0.65	3.78e-03	-8.10e-05	-0.19	0.0	0.80	0.49	5.94e-03	-4.45e-03	2.12e-04	0.41
		0.41	2.12e-04	4.01e-06	0.0	60.0	0.80	0.31	5.94e-03	-4.45e-03	3.78e-03	0.65
437	67	0.61	7.81e-05	-9.56e-05	-0.19	0.0	1.39	0.54	-1.68e-03	-6.54e-03	7.81e-05	0.34
		0.34	-9.30e-04	-4.17e-06	0.0	60.0	1.39	0.35	-1.68e-03	-6.54e-03	-9.30e-04	0.61
437	75	0.61	4.93e-05	-9.05e-05	-0.19	0.0	1.47	0.52	-2.44e-03	-6.23e-03	4.93e-05	0.36
		0.36	-1.42e-03	-5.38e-06	0.0	60.0	1.47	0.34	-2.44e-03	-6.23e-03	-1.42e-03	0.61
437	85	0.65	2.49e-03	-8.10e-05	-0.19	0.0	0.93	0.50	3.87e-03	-4.60e-03	1.68e-04	0.40
		0.40	1.68e-04	2.19e-06	0.0	60.0	0.93	0.31	3.87e-03	-4.60e-03	2.49e-03	0.65
437	86	0.65	2.49e-03	-8.35e-05	-0.19	0.0	0.96	0.50	3.86e-03	-4.93e-03	1.72e-04	0.41
		0.41	1.72e-04	2.08e-06	0.0	60.0	0.96	0.31	3.86e-03	-4.93e-03	2.49e-03	0.65
437	98	0.62	9.96e-05	-9.14e-05	-0.19	0.0	1.24	0.53	-3.80e-04	-5.95e-03	9.96e-05	0.36
		0.36	-1.28e-04	-1.89e-06	0.0	60.0	1.24	0.34	-3.80e-04	-5.95e-03	-1.28e-04	0.62
437	103	0.62	8.53e-05	-8.86e-05	-0.19	0.0	1.27	0.52	-7.66e-04	-5.74e-03	8.53e-05	0.36
		0.36	-3.74e-04	-2.48e-06	0.0	60.0	1.27	0.33	-7.66e-04	-5.74e-03	-3.74e-04	0.62
437	104	0.63	4.55e-04	-7.77e-05	-0.19	0.0	1.11	0.49	6.03e-04	-4.53e-03	9.33e-05	0.40
		0.40	9.33e-05	0.0	0.0	60.0	1.11	0.30	6.03e-04	-4.53e-03	4.55e-04	0.63
437	106	0.63	7.45e-05	-7.69e-05	-0.19	0.0	1.16	0.49	-2.15e-04	-4.51e-03	7.45e-05	0.40
		0.40	-5.43e-05	-1.29e-06	0.0	60.0	1.16	0.30	-2.15e-04	-4.51e-03	-5.43e-05	0.63
437	107	0.62	9.60e-05	-8.93e-05	-0.19	0.0	1.23	0.52	-3.56e-04	-5.75e-03	9.60e-05	0.36
		0.36	-1.18e-04	-1.80e-06	0.0	60.0	1.23	0.33	-3.56e-04	-5.75e-03	-1.18e-04	0.62
437	112	1.55	1.09e-03	4.72e-05	-0.19	0.0	2.45	-2.05	2.86e-03	-0.01	-3.32e-04	1.55
		0.26	-3.32e-04	1.97e-04	0.0	60.0	2.45	-2.24	2.86e-03	-0.01	1.09e-03	0.26
437	113	1.34	1.47e-03	3.07e-05	-0.19	0.0	1.82	-1.58	2.23e-03	-0.01	-1.85e-04	1.34
		0.33	-1.85e-04	1.89e-04	0.0	60.0	1.82	-1.77	2.23e-03	-0.01	1.47e-03	0.33
437	114	0.91	3.77e-04	-2.09e-04	-0.19	0.0	0.64	2.63	-2.94e-03	1.67e-03	3.77e-04	-0.61
		-0.61	-1.70e-03	-1.92e-04	0.0	60.0	0.64	2.44	-2.94e-03	1.67e-03	-1.70e-03	0.91
437	115	0.98	5.24e-04	-2.26e-04	-0.19	0.0	0.01	3.10	-3.57e-03	-4.66e-04	5.24e-04	-0.83
		-0.83	-1.33e-03	-2.00e-04	0.0	60.0	0.01	2.91	-3.57e-03	-4.66e-04	-1.33e-03	0.98
437	132	1.05	-2.55e-04	-2.33e-05	-0.19	0.0	2.54	-0.97	1.56e-03	-4.10e-03	-2.55e-04	1.05
		0.40	-3.30e-04	7.01e-05	0.0	60.0	2.54	-1.16	1.56e-03	-4.10e-03	-3.30e-04	0.40
437	135	0.84	4.47e-04	-1.55e-04	-0.19	0.0	-0.08	2.01	-2.27e-03	-7.40e-03	4.47e-04	-0.32

		-0.32	9.48e-05	-7.37e-05	0.0	60.0	-0.08	1.82	-2.27e-03	-7.40e-03	9.48e-05	0.84
437	144	1.70	1.24e-03	6.46e-05	-0.19	0.0	2.60	-2.38	3.27e-03	-0.01	-3.86e-04	1.70
		0.21	-3.86e-04	2.22e-04	0.0	60.0	2.60	-2.57	3.27e-03	-0.01	1.24e-03	0.21
437	145	1.46	1.67e-03	4.59e-05	-0.19	0.0	1.90	-1.85	2.56e-03	-0.01	-2.21e-04	1.46
		0.29	-2.21e-04	2.12e-04	0.0	60.0	1.90	-2.04	2.56e-03	-0.01	1.67e-03	0.29
437	146	0.95	4.13e-04	-2.24e-04	-0.19	0.0	0.56	2.89	-3.27e-03	2.59e-03	4.13e-04	-0.73
		-0.73	-1.91e-03	-2.16e-04	0.0	60.0	0.56	2.70	-3.27e-03	2.59e-03	-1.91e-03	0.95
437	147	1.03	5.78e-04	-2.43e-04	-0.19	0.0	-0.14	3.43	-3.98e-03	1.90e-04	5.78e-04	-0.98
		-0.98	-1.48e-03	-2.26e-04	0.0	60.0	-0.14	3.24	-3.98e-03	1.90e-04	-1.48e-03	1.03
437	164	1.14	-3.00e-04	-1.47e-05	-0.19	0.0	2.71	-1.16	1.81e-03	-3.89e-03	-3.00e-04	1.14
		0.38	-3.57e-04	7.97e-05	0.0	60.0	2.71	-1.35	1.81e-03	-3.89e-03	-3.57e-04	0.38
437	167	0.87	4.92e-04	-1.64e-04	-0.19	0.0	-0.25	2.20	-2.52e-03	-7.60e-03	4.92e-04	-0.41
		-0.41	1.21e-04	-8.33e-05	0.0	60.0	-0.25	2.02	-2.52e-03	-7.60e-03	1.21e-04	0.87
437	176	1.71	1.25e-03	6.66e-05	-0.19	0.0	2.58	-2.40	3.29e-03	-0.01	-3.87e-04	1.71
		0.21	-3.87e-04	2.22e-04	0.0	60.0	2.58	-2.59	3.29e-03	-0.01	1.25e-03	0.21
437	177	1.46	1.68e-03	4.67e-05	-0.19	0.0	1.89	-1.86	2.57e-03	-0.01	-2.21e-04	1.46
		0.29	-2.21e-04	2.11e-04	0.0	60.0	1.89	-2.04	2.57e-03	-0.01	1.68e-03	0.29
437	178	0.95	4.12e-04	-2.25e-04	-0.19	0.0	0.57	2.90	-3.28e-03	2.02e-03	4.12e-04	-0.73
		-0.73	-1.91e-03	-2.14e-04	0.0	60.0	0.57	2.71	-3.28e-03	2.02e-03	-1.91e-03	0.95
437	179	1.03	5.79e-04	-2.45e-04	-0.19	0.0	-0.12	3.45	-4.00e-03	-2.88e-04	5.79e-04	-0.99
		-0.99	-1.49e-03	-2.26e-04	0.0	60.0	-0.12	3.26	-4.00e-03	-2.88e-04	-1.49e-03	1.03
437	196	1.15	-3.02e-04	-1.24e-05	-0.19	0.0	2.69	-1.18	1.83e-03	-3.88e-03	-3.02e-04	1.15
		0.37	-3.50e-04	8.27e-05	0.0	60.0	2.69	-1.37	1.83e-03	-3.88e-03	-3.50e-04	0.37
437	199	0.87	4.94e-04	-1.66e-04	-0.19	0.0	-0.23	2.23	-2.54e-03	-7.61e-03	4.94e-04	-0.42
		-0.42	1.15e-04	-8.63e-05	0.0	60.0	-0.23	2.04	-2.54e-03	-7.61e-03	1.15e-04	0.87
437	209	1.66	2.00e-03	7.12e-05	-0.19	0.0	2.00	-2.28	3.09e-03	-0.01	-2.76e-04	1.66
		0.23	-2.76e-04	2.47e-04	0.0	60.0	2.00	-2.47	3.09e-03	-0.01	2.00e-03	0.23
437	210	1.01	4.68e-04	-2.50e-04	-0.19	0.0	0.46	3.32	-3.80e-03	3.06e-03	4.68e-04	-0.93
		-0.93	-2.23e-03	-2.50e-04	0.0	60.0	0.46	3.13	-3.80e-03	3.06e-03	-2.23e-03	1.01
437	216	1.97	1.49e-03	1.20e-04	-0.19	0.0	2.65	-2.97	3.98e-03	-0.01	-5.01e-04	1.97
		0.13	-5.01e-04	2.86e-04	0.0	60.0	2.65	-3.15	3.98e-03	-0.01	1.49e-03	0.13
437	219	1.11	6.93e-04	-2.99e-04	-0.19	0.0	-0.19	4.01	-4.69e-03	-2.19e-04	6.93e-04	-1.24
		-1.24	-1.73e-03	-2.90e-04	0.0	60.0	-0.19	3.82	-4.69e-03	-2.19e-04	-1.73e-03	1.11
437	228	1.30	-3.73e-04	2.69e-06	-0.19	0.0	2.94	-1.50	2.23e-03	-3.54e-03	-3.73e-04	1.30
		0.33	-3.87e-04	9.99e-05	0.0	60.0	2.94	-1.69	2.23e-03	-3.54e-03	-3.87e-04	0.33
437	231	0.91	5.65e-04	-1.81e-04	-0.19	0.0	-0.48	2.55	-2.94e-03	-7.95e-03	5.65e-04	-0.57
		-0.57	1.52e-04	-1.04e-04	0.0	60.0	-0.48	2.36	-2.94e-03	-7.95e-03	1.52e-04	0.91
438	18	0.51	1.31e-04	1.86e-05	-0.24	0.0	2.73	-0.53	1.86e-04	-8.65e-03	1.90e-05	0.51
		0.12	1.90e-05	-7.67e-06	0.0	60.0	2.73	-0.77	1.86e-04	-8.65e-03	1.31e-04	0.12
438	19	0.40	-1.85e-05	3.89e-05	-0.19	0.0	1.77	-0.40	-4.00e-05	-4.22e-03	-1.85e-05	0.40
		0.10	-4.25e-05	-6.09e-06	0.0	60.0	1.77	-0.58	-4.00e-05	-4.22e-03	-4.25e-05	0.10
438	21	0.38	5.22e-05	1.54e-05	-0.19	0.0	2.24	-0.41	8.22e-05	-6.39e-03	2.84e-06	0.38
		0.08	2.84e-06	-6.98e-06	0.0	60.0	2.24	-0.60	8.22e-05	-6.39e-03	5.22e-05	0.08
438	42	0.55	6.12e-04	3.27e-05	-0.24	0.0	0.71	-0.47	7.80e-04	-6.71e-03	1.44e-04	0.55
		0.19	1.44e-04	3.12e-06	0.0	60.0	0.71	-0.71	7.80e-04	-6.71e-03	6.12e-04	0.19
438	44	0.53	7.07e-04	9.13e-06	-0.24	0.0	1.18	-0.48	9.02e-04	-8.87e-03	1.65e-04	0.53
		0.17	1.65e-04	2.23e-06	0.0	60.0	1.18	-0.72	9.02e-04	-8.87e-03	7.07e-04	0.17
438	45	0.42	5.33e-04	2.94e-05	-0.19	0.0	0.22	-0.35	6.76e-04	-4.45e-03	1.28e-04	0.42
		0.16	1.28e-04	3.81e-06	0.0	60.0	0.22	-0.53	6.76e-04	-4.45e-03	5.33e-04	0.16
438	72	0.40	2.92e-05	3.55e-05	-0.19	0.0	1.58	-0.39	4.98e-05	-4.45e-03	0.0	0.40
		0.11	0.0	-4.52e-06	0.0	60.0	1.58	-0.58	4.98e-05	-4.45e-03	2.92e-05	0.11
438	74	0.39	9.23e-05	1.98e-05	-0.19	0.0	1.89	-0.40	1.31e-04	-5.90e-03	1.34e-05	0.39
		0.09	1.34e-05	-5.12e-06	0.0	60.0	1.89	-0.59	1.31e-04	-5.90e-03	9.23e-05	0.09
438	75	0.39	1.02e-04	1.81e-05	-0.19	0.0	1.94	-0.40	1.44e-04	-6.23e-03	1.55e-05	0.39
		0.09	1.55e-05	-5.23e-06	0.0	60.0	1.94	-0.59	1.44e-04	-6.23e-03	1.02e-04	0.09
438	85	0.42	4.13e-04	2.91e-05	-0.19	0.0	0.54	-0.36	5.27e-04	-4.60e-03	9.67e-05	0.42
		0.15	9.67e-05	2.08e-06	0.0	60.0	0.54	-0.55	5.27e-04	-4.60e-03	4.13e-04	0.15
438	86	0.42	4.23e-04	2.75e-05	-0.19	0.0	0.60	-0.36	5.40e-04	-4.93e-03	9.88e-05	0.42
		0.15	9.88e-05	1.97e-06	0.0	60.0	0.60	-0.55	5.40e-04	-4.93e-03	4.23e-04	0.15
438	88	0.41	4.86e-04	1.18e-05	-0.19	0.0	0.91	-0.37	6.22e-04	-6.38e-03	1.13e-04	0.41
		0.13	1.13e-04	1.38e-06	0.0	60.0	0.91	-0.56	6.22e-04	-6.38e-03	4.86e-04	0.13
438	102	0.40	1.30e-04	3.32e-05	-0.19	0.0	1.20	-0.38	1.76e-04	-4.50e-03	2.45e-05	0.40
		0.12	2.45e-05	-1.89e-06	0.0	60.0	1.20	-0.57	1.76e-04	-4.50e-03	1.30e-04	0.12
438	103	0.40	1.84e-04	1.97e-05	-0.19	0.0	1.47	-0.39	2.46e-04	-5.74e-03	3.67e-05	0.40
		0.11	3.67e-05	-2.40e-06	0.0	60.0	1.47	-0.58	2.46e-04	-5.74e-03	1.84e-04	0.11
438	104	0.41	2.07e-04	3.19e-05	-0.19	0.0	0.99	-0.37	2.71e-04	-4.53e-03	4.40e-05	0.41
		0.13	4.40e-05	0.0	0.0	60.0	0.99	-0.56	2.71e-04	-4.53e-03	2.07e-04	0.13
438	105	0.40	2.61e-04	1.84e-05	-0.19	0.0	1.26	-0.38	3.41e-04	-5.77e-03	5.62e-05	0.40
		0.12	5.62e-05	-1.08e-06	0.0	60.0	1.26	-0.57	3.41e-04	-5.77e-03	2.61e-04	0.12
438	106	0.41	1.55e-04	3.26e-05	-0.19	0.0	1.11	-0.38	2.07e-04	-4.51e-03	3.08e-05	0.41
		0.12	3.08e-05	-1.23e-06	0.0	60.0	1.11	-0.57	2.07e-04	-4.51e-03	1.55e-04	0.12
438	107	0.40	2.09e-04	1.91e-05	-0.19	0.0	1.37	-0.39	2.77e-04	-5.75e-03	4.30e-05	0.40
		0.11	4.30e-05	-1.74e-06	0.0	60.0	1.37	-0.57	2.77e-04	-5.75e-03	2.09e-04	0.11
438	109	-0.62	3.09e-04	9.50e-06	-0.19	0.0	-1.88	-4.75	4.33e-04	-0.01	2.10e-05	-0.62
		-3.53	2.10e-05	1.98e-04	0.0	60.0	-1.88	-4.94	4.33e-04	-0.01	3.09e-04	-3.53

438	110	3.75	1.10e-04	3.46e-05	-0.19	0.0	4.63	3.98	1.21e-04	-4.46e-04	6.50e-05	1.42
		1.42	6.50e-05	-2.02e-04	0.0	60.0	4.63	3.79	1.21e-04	-4.46e-04	1.10e-04	3.75
438	133	0.43	4.71e-04	-8.25e-06	-0.19	0.0	-2.24	-0.26	6.12e-04	-0.01	9.68e-05	0.43
		0.22	9.68e-05	4.86e-05	0.0	60.0	-2.24	-0.45	6.12e-04	-0.01	4.71e-04	0.22
438	134	0.36	-1.08e-05	4.65e-05	-0.19	0.0	4.98	-0.51	-5.83e-05	-2.88e-04	-1.08e-05	0.36
		5.62e-03	-5.28e-05	-5.21e-05	0.0	60.0	4.98	-0.70	-5.83e-05	-2.88e-04	-5.28e-05	5.62e-03
438	137	0.45	4.71e-04	-2.46e-05	-0.19	0.0	-2.18	-0.20	6.14e-04	-0.01	9.88e-05	0.45
		0.27	9.88e-05	5.04e-05	0.0	60.0	-2.18	-0.39	6.14e-04	-0.01	4.71e-04	0.27
438	138	0.35	-1.29e-05	6.29e-05	-0.19	0.0	4.93	-0.57	-6.00e-05	-4.41e-04	-1.29e-05	0.35
		-0.05	-5.30e-05	-5.39e-05	0.0	60.0	4.93	-0.76	-6.00e-05	-4.41e-04	-5.30e-05	-0.05
438	141	-0.75	3.21e-04	9.64e-06	-0.19	0.0	-2.30	-5.30	4.52e-04	-0.01	1.82e-05	-0.75
		-3.99	1.82e-05	2.24e-04	0.0	60.0	-2.30	-5.49	4.52e-04	-0.01	3.21e-04	-3.99
438	142	4.21	9.74e-05	3.62e-05	-0.19	0.0	5.04	4.53	1.02e-04	2.14e-04	6.78e-05	1.55
		1.55	6.78e-05	-2.27e-04	0.0	60.0	5.04	4.35	1.02e-04	2.14e-04	9.74e-05	4.21
438	165	0.44	5.04e-04	-1.19e-05	-0.19	0.0	-2.69	-0.24	6.54e-04	-0.01	1.03e-04	0.44
		0.23	1.03e-04	5.45e-05	0.0	60.0	-2.69	-0.43	6.54e-04	-0.01	5.04e-04	0.23
438	166	0.36	-1.75e-05	5.02e-05	-0.19	0.0	5.43	-0.53	-9.97e-05	3.89e-04	-1.75e-05	0.36
		-0.01	-8.51e-05	-5.80e-05	0.0	60.0	5.43	-0.72	-9.97e-05	3.89e-04	-8.51e-05	-0.01
438	169	0.45	5.04e-04	-3.04e-05	-0.19	0.0	-2.63	-0.18	6.56e-04	-0.01	1.06e-04	0.45
		0.29	1.06e-04	5.69e-05	0.0	60.0	-2.63	-0.37	6.56e-04	-0.01	5.04e-04	0.29
438	170	0.34	-1.98e-05	6.87e-05	-0.19	0.0	5.37	-0.59	-1.02e-04	2.05e-04	-1.98e-05	0.34
		-0.06	-8.53e-05	-6.04e-05	0.0	60.0	5.37	-0.78	-1.02e-04	2.05e-04	-8.53e-05	-0.06
438	176	-0.76	1.72e-04	2.76e-05	-0.19	0.0	-0.71	-5.33	2.72e-04	-0.01	-2.10e-05	-0.76
		-4.02	-2.10e-05	2.20e-04	0.0	60.0	-0.71	-5.52	2.72e-04	-0.01	1.72e-04	-4.02
438	179	4.24	2.46e-04	1.17e-05	-0.19	0.0	3.45	4.56	2.82e-04	-2.88e-04	1.07e-04	1.56
		1.56	1.07e-04	-2.24e-04	0.0	60.0	3.45	4.37	2.82e-04	-2.88e-04	2.46e-04	4.24
438	197	0.44	4.96e-04	-1.18e-05	-0.19	0.0	-2.62	-0.21	6.45e-04	-0.01	1.02e-04	0.44
		0.26	1.02e-04	5.09e-05	0.0	60.0	-2.62	-0.40	6.45e-04	-0.01	4.96e-04	0.26
438	198	0.35	-1.64e-05	5.00e-05	-0.19	0.0	5.37	-0.56	-9.06e-05	8.41e-05	-1.64e-05	0.35
		-0.04	-7.76e-05	-5.44e-05	0.0	60.0	5.37	-0.75	-9.06e-05	8.41e-05	-7.76e-05	-0.04
438	201	0.45	4.96e-04	-3.25e-05	-0.19	0.0	-2.59	-0.19	6.48e-04	-0.01	1.04e-04	0.45
		0.28	1.04e-04	5.53e-05	0.0	60.0	-2.59	-0.38	6.48e-04	-0.01	4.96e-04	0.28
438	202	0.35	-1.84e-05	7.08e-05	-0.19	0.0	5.34	-0.58	-9.35e-05	-1.06e-04	-1.84e-05	0.35
		-0.05	-7.77e-05	-5.88e-05	0.0	60.0	5.34	-0.77	-9.35e-05	-1.06e-04	-7.77e-05	-0.05
438	216	-0.99	1.66e-04	-5.45e-05	-0.19	0.0	-1.06	-6.29	2.86e-04	-0.01	-2.48e-05	-0.99
		-4.82	-2.48e-05	2.84e-04	0.0	60.0	-1.06	-6.48	2.86e-04	-0.01	1.66e-04	-4.82
438	219	5.04	2.52e-04	9.28e-05	-0.19	0.0	3.81	5.52	2.68e-04	-2.19e-04	1.11e-04	1.78
		1.78	1.11e-04	-2.88e-04	0.0	60.0	3.81	5.33	2.68e-04	-2.19e-04	2.52e-04	5.04
438	229	0.46	5.42e-04	-1.74e-05	-0.19	0.0	-3.28	-0.15	7.04e-04	-0.01	1.12e-04	0.46
		0.30	1.12e-04	5.76e-05	0.0	60.0	-3.28	-0.34	7.04e-04	-0.01	5.42e-04	0.30
438	230	0.34	-2.62e-05	5.56e-05	-0.19	0.0	6.02	-0.62	-1.50e-04	9.44e-04	-2.62e-05	0.34
		-0.08	-1.24e-04	-6.11e-05	0.0	60.0	6.02	-0.80	-1.50e-04	9.44e-04	-1.24e-04	-0.08
438	233	0.45	5.42e-04	-4.36e-05	-0.19	0.0	-3.27	-0.17	7.08e-04	-0.01	1.14e-04	0.45
		0.29	1.14e-04	6.50e-05	0.0	60.0	-3.27	-0.36	7.08e-04	-0.01	5.42e-04	0.29
438	234	0.34	-2.83e-05	8.19e-05	-0.19	0.0	6.01	-0.60	-1.54e-04	7.62e-04	-2.83e-05	0.34
		-0.07	-1.24e-04	-6.85e-05	0.0	60.0	6.01	-0.78	-1.54e-04	7.62e-04	-1.24e-04	-0.07
439	18	0.81	3.87e-05	-5.30e-05	-0.24	0.0	3.64	0.45	2.62e-04	2.64e-04	-1.19e-04	0.61
		0.61	-1.19e-04	1.30e-06	0.0	60.0	3.64	0.21	2.62e-04	2.64e-04	3.87e-05	0.81
439	19	0.61	4.97e-05	-4.18e-05	-0.19	0.0	2.37	0.37	2.24e-04	1.32e-04	-8.46e-05	0.45
		0.45	-8.46e-05	0.0	0.0	60.0	2.37	0.18	2.24e-04	1.32e-04	4.97e-05	0.61
439	33	0.84	7.41e-06	-5.41e-05	-0.24	0.0	1.55	0.45	-1.58e-04	2.85e-04	7.41e-06	0.64
		0.64	-8.75e-05	1.54e-06	0.0	60.0	1.55	0.20	-1.58e-04	2.85e-04	-8.75e-05	0.84
439	44	0.83	3.17e-05	-5.38e-05	-0.24	0.0	1.57	0.45	-2.88e-04	3.27e-04	3.17e-05	0.63
		0.63	-1.41e-04	1.96e-06	0.0	60.0	1.57	0.21	-2.88e-04	3.27e-04	-1.41e-04	0.83
439	45	0.63	6.58e-05	-4.26e-05	-0.19	0.0	0.30	0.37	-3.26e-04	1.95e-04	6.58e-05	0.47
		0.47	-1.30e-04	0.0	0.0	60.0	0.30	0.18	-3.26e-04	1.95e-04	-1.30e-04	0.63
439	72	0.61	2.94e-05	-4.18e-05	-0.19	0.0	2.11	0.37	1.64e-04	1.53e-04	-6.90e-05	0.45
		0.45	-6.90e-05	0.0	0.0	60.0	2.11	0.18	1.64e-04	1.53e-04	2.94e-05	0.61
439	75	0.62	2.48e-05	-4.10e-05	-0.19	0.0	2.59	0.35	1.79e-04	1.97e-04	-8.27e-05	0.47
		0.47	-8.27e-05	0.0	0.0	60.0	2.59	0.16	1.79e-04	1.97e-04	2.48e-05	0.62
439	81	0.64	1.38e-06	-4.17e-05	-0.19	0.0	1.20	0.35	-1.01e-04	2.11e-04	1.38e-06	0.49
		0.49	-5.93e-05	1.13e-06	0.0	60.0	1.20	0.16	-1.01e-04	2.11e-04	-5.93e-05	0.64
439	85	0.63	3.13e-05	-4.23e-05	-0.19	0.0	0.73	0.36	-2.03e-04	1.95e-04	3.13e-05	0.47
		0.47	-9.03e-05	1.00e-06	0.0	60.0	0.73	0.18	-2.03e-04	1.95e-04	-9.03e-05	0.63
439	88	0.64	1.75e-05	-4.15e-05	-0.19	0.0	1.21	0.35	-1.87e-04	2.39e-04	1.75e-05	0.48
		0.48	-9.49e-05	1.41e-06	0.0	60.0	1.21	0.16	-1.87e-04	2.39e-04	-9.49e-05	0.64
439	99	0.62	-1.03e-05	-4.17e-05	-0.19	0.0	1.52	0.36	4.17e-05	1.90e-04	-3.53e-05	0.46
		0.46	-3.53e-05	1.00e-06	0.0	60.0	1.52	0.17	4.17e-05	1.90e-04	-1.03e-05	0.62
439	102	0.62	-2.17e-06	-4.18e-05	-0.19	0.0	1.61	0.36	6.55e-05	1.88e-04	-4.15e-05	0.46
		0.46	-4.15e-05	0.0	0.0	60.0	1.61	0.18	6.55e-05	1.88e-04	-2.17e-06	0.62
439	103	0.62	-5.66e-06	-4.13e-05	-0.19	0.0	1.95	0.36	7.68e-05	2.09e-04	-5.17e-05	0.46
		0.46	-5.17e-05	1.18e-06	0.0	60.0	1.95	0.17	7.68e-05	2.09e-04	-5.66e-06	0.62
439	104	0.62	-2.14e-05	-4.19e-05	-0.19	0.0	1.33	0.36	-7.84e-06	1.88e-04	-2.14e-05	0.46
		0.46	-2.61e-05	0.0	0.0	60.0	1.33	0.17	-7.84e-06	1.88e-04	-2.61e-05	0.62
439	106	0.62	-1.01e-05	-4.18e-05	-0.19	0.0	1.49	0.36	4.09e-05	1.86e-04	-3.46e-05	0.46

		0.46	-3.46e-05	0.0	0.0	60.0	1.49	0.17	4.09e-05	1.86e-04	-1.01e-05	0.62
439	107	0.62	-1.36e-05	-4.13e-05	-0.19	0.0	1.82	0.36	5.21e-05	2.16e-04	-4.48e-05	0.46
		0.46	-4.48e-05	1.26e-06	0.0	60.0	1.82	0.17	5.21e-05	2.16e-04	-1.36e-05	0.62
439	108	1.49	1.11e-05	1.26e-04	-0.19	0.0	4.19	-1.86	1.27e-04	-9.39e-03	-6.98e-05	1.49
		0.24	-6.98e-05	1.89e-04	0.0	60.0	4.19	-2.05	1.27e-04	-9.39e-03	1.11e-05	0.24
439	112	1.72	1.00e-05	1.27e-04	-0.19	0.0	4.19	-2.35	1.26e-04	-6.98e-03	-7.04e-05	1.72
		0.24	-7.04e-05	2.00e-04	0.0	60.0	4.19	-2.54	1.26e-04	-6.98e-03	1.00e-05	0.24
439	115	1.00	-1.93e-05	-2.10e-04	-0.19	0.0	-0.55	3.07	-2.14e-05	7.41e-03	-1.93e-05	-0.80
		-0.80	-3.72e-05	-1.97e-04	0.0	60.0	-0.55	2.88	-2.14e-05	7.41e-03	-3.72e-05	1.00
439	132	1.19	0.0	1.27e-05	-0.19	0.0	5.34	-1.22	1.47e-04	1.66e-03	-9.22e-05	1.19
		0.40	-9.22e-05	7.86e-05	0.0	60.0	5.34	-1.41	1.47e-04	1.66e-03	0.0	0.40
439	135	0.84	2.56e-06	-9.53e-05	-0.19	0.0	-1.70	1.94	-4.28e-05	-1.23e-03	2.56e-06	-0.27
		-0.27	-2.76e-05	-7.61e-05	0.0	60.0	-1.70	1.75	-4.28e-05	-1.23e-03	-2.76e-05	0.84
439	136	1.18	0.0	1.30e-05	-0.19	0.0	5.28	-1.18	1.48e-04	6.80e-03	-9.32e-05	1.18
		0.40	-9.32e-05	8.01e-05	0.0	60.0	5.28	-1.37	1.48e-04	6.80e-03	0.0	0.40
439	140	1.62	1.42e-05	1.48e-04	-0.19	0.0	4.48	-2.14	1.37e-04	-0.01	-7.29e-05	1.62
		0.20	-7.29e-05	2.13e-04	0.0	60.0	4.48	-2.33	1.37e-04	-0.01	1.42e-05	0.20
439	144	1.88	1.30e-05	1.49e-04	-0.19	0.0	4.49	-2.70	1.35e-04	-7.88e-03	-7.35e-05	1.88
		0.19	-7.35e-05	2.25e-04	0.0	60.0	4.49	-2.89	1.35e-04	-7.88e-03	1.30e-05	0.19
439	147	1.05	-1.62e-05	-2.32e-04	-0.19	0.0	-0.84	3.42	-3.08e-05	8.31e-03	-1.62e-05	-0.96
		-0.96	-4.01e-05	-2.22e-04	0.0	60.0	-0.84	3.23	-3.08e-05	8.31e-03	-4.01e-05	1.05
439	164	1.29	2.25e-06	1.99e-05	-0.19	0.0	5.78	-1.42	1.59e-04	1.84e-03	-9.81e-05	1.29
		0.37	-9.81e-05	8.87e-05	0.0	60.0	5.78	-1.61	1.59e-04	1.84e-03	2.25e-06	0.37
439	167	0.87	8.46e-06	-1.03e-04	-0.19	0.0	-2.14	2.14	-5.47e-05	-1.41e-03	8.46e-06	-0.37
		-0.37	-2.94e-05	-8.62e-05	0.0	60.0	-2.14	1.95	-5.47e-05	-1.41e-03	-2.94e-05	0.87
439	168	1.27	1.41e-06	2.05e-05	-0.19	0.0	5.71	-1.38	1.60e-04	7.63e-03	-9.93e-05	1.27
		0.37	-9.93e-05	9.07e-05	0.0	60.0	5.71	-1.57	1.60e-04	7.63e-03	1.41e-06	0.37
439	172	1.63	1.41e-05	1.48e-04	-0.19	0.0	4.45	-2.15	1.36e-04	-0.01	-7.19e-05	1.63
		0.19	-7.19e-05	2.10e-04	0.0	60.0	4.45	-2.34	1.36e-04	-0.01	1.41e-05	0.19
439	176	1.89	1.30e-05	1.51e-04	-0.19	0.0	4.47	-2.72	1.35e-04	-7.51e-03	-7.27e-05	1.89
		0.19	-7.27e-05	2.24e-04	0.0	60.0	4.47	-2.91	1.35e-04	-7.51e-03	1.30e-05	0.19
439	179	1.05	-1.70e-05	-2.33e-04	-0.19	0.0	-0.82	3.44	-3.07e-05	7.94e-03	-1.70e-05	-0.96
		-0.96	-4.01e-05	-2.22e-04	0.0	60.0	-0.82	3.25	-3.07e-05	7.94e-03	-4.01e-05	1.05
439	196	1.30	2.36e-06	2.29e-05	-0.19	0.0	5.73	-1.44	1.58e-04	1.86e-03	-9.72e-05	1.30
		0.37	-9.72e-05	9.11e-05	0.0	60.0	5.73	-1.63	1.58e-04	1.86e-03	2.36e-06	0.37
439	199	0.88	7.54e-06	-1.06e-04	-0.19	0.0	-2.08	2.16	-5.37e-05	-1.43e-03	7.54e-06	-0.37
		-0.37	-2.95e-05	-8.86e-05	0.0	60.0	-2.08	1.97	-5.37e-05	-1.43e-03	-2.95e-05	0.88
439	200	1.29	1.73e-06	2.52e-05	-0.19	0.0	5.67	-1.43	1.59e-04	7.47e-03	-9.85e-05	1.29
		0.37	-9.85e-05	9.51e-05	0.0	60.0	5.67	-1.62	1.59e-04	7.47e-03	1.73e-06	0.37
439	204	1.83	1.90e-05	1.82e-04	-0.19	0.0	4.90	-2.60	1.51e-04	-0.01	-7.62e-05	1.83
		0.12	-7.62e-05	2.46e-04	0.0	60.0	4.90	-2.78	1.51e-04	-0.01	1.90e-05	0.12
439	216	2.16	1.60e-05	2.01e-04	-0.19	0.0	4.74	-3.30	1.57e-04	0.01	-8.28e-05	2.16
		0.11	-8.28e-05	2.86e-04	0.0	60.0	4.74	-3.49	1.57e-04	0.01	1.60e-05	0.11
439	219	1.13	-6.87e-06	-2.83e-04	-0.19	0.0	-1.09	4.02	-5.28e-05	-0.01	-6.87e-06	-1.23
		-1.23	-4.31e-05	-2.84e-04	0.0	60.0	-1.09	3.83	-5.28e-05	-0.01	-4.31e-05	1.13
439	228	1.45	5.33e-06	3.62e-05	-0.19	0.0	6.37	-1.78	1.76e-04	2.19e-03	-1.06e-04	1.45
		0.32	-1.06e-04	1.09e-04	0.0	60.0	6.37	-1.97	1.76e-04	2.19e-03	5.33e-06	0.32
439	231	0.92	1.61e-05	-1.19e-04	-0.19	0.0	-2.73	2.50	-7.16e-05	-1.76e-03	1.61e-05	-0.53
		-0.53	-3.24e-05	-1.06e-04	0.0	60.0	-2.73	2.31	-7.16e-05	-1.76e-03	-3.24e-05	0.92
439	232	1.46	4.78e-06	4.08e-05	-0.19	0.0	6.32	-1.79	1.78e-04	8.74e-03	-1.07e-04	1.46
		0.32	-1.07e-04	1.15e-04	0.0	60.0	6.32	-1.97	1.78e-04	8.74e-03	4.78e-06	0.32
440	18	0.40	6.44e-06	9.82e-05	-0.24	0.0	3.02	-0.94	4.06e-05	2.64e-04	-1.79e-05	0.40
		-0.24	-1.79e-05	1.54e-06	0.0	60.0	3.02	-1.19	4.06e-05	2.64e-04	6.44e-06	-0.24
440	19	0.35	-3.51e-05	6.87e-05	-0.19	0.0	1.99	-0.54	-1.04e-04	1.32e-04	-3.51e-05	0.35
		-0.03	-9.74e-05	0.0	0.0	60.0	1.99	-0.73	-1.04e-04	1.32e-04	-9.74e-05	-0.03
440	28	0.38	4.52e-04	1.03e-04	-0.24	0.0	1.53	-1.04	5.94e-04	3.44e-04	9.59e-05	0.38
		-0.31	9.59e-05	2.03e-06	0.0	60.0	1.53	-1.28	5.94e-04	3.44e-04	4.52e-04	-0.31
440	41	0.45	5.19e-04	9.41e-05	-0.24	0.0	0.20	-0.77	6.63e-04	2.60e-04	1.21e-04	0.45
		-0.08	1.21e-04	1.08e-06	0.0	60.0	0.20	-1.02	6.63e-04	2.60e-04	5.19e-04	-0.08
440	44	0.40	5.82e-04	1.01e-04	-0.24	0.0	0.83	-0.97	7.51e-04	3.27e-04	1.32e-04	0.40
		-0.25	1.32e-04	1.70e-06	0.0	60.0	0.83	-1.21	7.51e-04	3.27e-04	5.82e-04	-0.25
440	45	0.36	4.78e-04	7.17e-05	-0.19	0.0	-0.20	-0.57	6.06e-04	1.95e-04	1.15e-04	0.36
		-0.04	1.15e-04	0.0	0.0	60.0	-0.20	-0.76	6.06e-04	1.95e-04	4.78e-04	-0.04
440	72	0.35	-1.77e-05	6.98e-05	-0.19	0.0	1.70	-0.57	-1.76e-05	1.53e-04	-1.77e-05	0.35
		-0.05	-2.82e-05	0.0	0.0	60.0	1.70	-0.75	-1.76e-05	1.53e-04	-2.82e-05	-0.05
440	75	0.31	1.41e-05	7.46e-05	-0.19	0.0	2.12	-0.70	4.10e-05	1.97e-04	-1.05e-05	0.31
		-0.16	-1.05e-05	1.13e-06	0.0	60.0	2.12	-0.88	4.10e-05	1.97e-04	1.41e-05	-0.16
440	80	0.30	3.11e-04	7.77e-05	-0.19	0.0	1.13	-0.76	4.10e-04	2.51e-04	6.54e-05	0.30
		-0.21	6.54e-05	1.46e-06	0.0	60.0	1.13	-0.95	4.10e-04	2.51e-04	3.11e-04	-0.21
440	85	0.35	3.56e-04	7.18e-05	-0.19	0.0	0.24	-0.58	4.56e-04	1.95e-04	8.23e-05	0.35
		-0.06	8.23e-05	0.0	0.0	60.0	0.24	-0.77	4.56e-04	1.95e-04	3.56e-04	-0.06
440	88	0.32	3.98e-04	7.67e-05	-0.19	0.0	0.66	-0.71	5.14e-04	2.39e-04	8.94e-05	0.32
		-0.17	8.94e-05	1.24e-06	0.0	60.0	0.66	-0.90	5.14e-04	2.39e-04	3.98e-04	-0.17
440	98	0.32	1.36e-04	7.41e-05	-0.19	0.0	1.39	-0.69	1.91e-04	2.21e-04	2.17e-05	0.32
		-0.15	2.17e-05	1.36e-06	0.0	60.0	1.39	-0.87	1.91e-04	2.21e-04	1.36e-04	-0.15

440	102	0.35	7.40e-05	7.07e-05	-0.19	0.0	1.17	-0.57	1.09e-04	1.80e-04	8.80e-06	0.35
		-0.05	8.80e-06	0.0	0.0	60.0	1.17	-0.76	1.09e-04	1.80e-04	7.40e-05	-0.05
440	103	0.32	1.05e-04	7.34e-05	-0.19	0.0	1.48	-0.67	1.52e-04	2.09e-04	1.42e-05	0.32
		-0.14	1.42e-05	1.25e-06	0.0	60.0	1.48	-0.86	1.52e-04	2.09e-04	1.05e-04	-0.14
440	104	0.35	1.51e-04	7.11e-05	-0.19	0.0	0.88	-0.58	2.03e-04	1.88e-04	2.88e-05	0.35
		-0.06	2.88e-05	0.0	0.0	60.0	0.88	-0.77	2.03e-04	1.88e-04	1.51e-04	-0.06
440	105	0.32	1.82e-04	7.39e-05	-0.19	0.0	1.18	-0.67	2.47e-04	2.18e-04	3.42e-05	0.32
		-0.14	3.42e-05	1.28e-06	0.0	60.0	1.18	-0.86	2.47e-04	2.18e-04	1.82e-04	-0.14
440	106	0.35	9.96e-05	7.10e-05	-0.19	0.0	1.04	-0.58	1.40e-04	1.86e-04	1.54e-05	0.35
		-0.06	1.54e-05	1.02e-06	0.0	60.0	1.04	-0.77	1.40e-04	1.86e-04	9.96e-05	-0.06
440	107	0.32	1.31e-04	7.37e-05	-0.19	0.0	1.34	-0.67	1.84e-04	2.16e-04	2.08e-05	0.32
		-0.14	2.08e-05	1.31e-06	0.0	60.0	1.34	-0.86	1.84e-04	2.16e-04	1.31e-04	-0.14
440	112	-0.75	1.93e-04	3.15e-04	-0.19	0.0	0.43	-5.19	3.21e-04	-6.98e-03	-8.07e-06	-0.75
		-3.92	-8.07e-06	1.98e-04	0.0	60.0	0.43	-5.37	3.21e-04	-6.98e-03	1.93e-04	-3.92
440	115	3.65	6.91e-05	-1.68e-04	-0.19	0.0	2.25	3.85	4.65e-05	7.41e-03	4.97e-05	1.40
		1.40	4.97e-05	-1.96e-04	0.0	60.0	2.25	3.66	4.65e-05	7.41e-03	6.91e-05	3.65
440	125	-0.29	3.65e-04	1.54e-04	-0.19	0.0	-2.58	-3.24	4.81e-04	1.79e-03	7.60e-05	-0.29
		-2.29	7.60e-05	8.10e-05	0.0	60.0	-2.58	-3.43	4.81e-04	1.79e-03	3.65e-04	-2.29
440	126	2.02	-3.44e-05	-9.93e-06	-0.19	0.0	5.26	1.90	-1.14e-04	-1.36e-03	-3.44e-05	0.93
		0.93	-1.03e-04	-7.84e-05	0.0	60.0	5.26	1.71	-1.14e-04	-1.36e-03	-1.03e-04	2.02
440	129	-0.27	3.67e-04	1.54e-04	-0.19	0.0	-2.50	-3.18	4.81e-04	6.93e-03	8.34e-05	-0.27
		-2.24	8.34e-05	8.25e-05	0.0	60.0	-2.50	-3.36	4.81e-04	6.93e-03	3.67e-04	-2.24
440	130	1.96	-4.18e-05	-9.43e-06	-0.19	0.0	5.19	1.84	-1.14e-04	-6.50e-03	-4.18e-05	0.92
		0.92	-1.05e-04	-7.99e-05	0.0	60.0	5.19	1.65	-1.14e-04	-6.50e-03	-1.05e-04	1.96
440	144	-0.89	2.01e-04	3.46e-04	-0.19	0.0	0.31	-5.76	3.38e-04	-7.88e-03	-1.16e-05	-0.89
		-4.40	-1.16e-05	2.23e-04	0.0	60.0	0.31	-5.95	3.38e-04	-7.88e-03	2.01e-04	-4.40
440	147	4.13	6.11e-05	-1.99e-04	-0.19	0.0	2.37	4.42	2.88e-05	8.31e-03	5.32e-05	1.53
		1.53	5.32e-05	-2.21e-04	0.0	60.0	2.37	4.23	2.88e-05	8.31e-03	6.11e-05	4.13
440	157	-0.37	3.94e-04	1.65e-04	-0.19	0.0	-3.07	-3.57	5.18e-04	1.99e-03	8.29e-05	-0.37
		-2.57	8.29e-05	9.14e-05	0.0	60.0	-3.07	-3.76	5.18e-04	1.99e-03	3.94e-04	-2.57
440	158	2.29	-4.12e-05	-1.85e-05	-0.19	0.0	5.76	2.23	-1.51e-04	-1.56e-03	-4.12e-05	1.01
		1.01	-1.32e-04	-8.88e-05	0.0	60.0	5.76	2.04	-1.51e-04	-1.56e-03	-1.32e-04	2.29
440	161	-0.35	3.97e-04	1.65e-04	-0.19	0.0	-2.98	-3.51	5.19e-04	7.77e-03	9.11e-05	-0.35
		-2.51	9.11e-05	9.34e-05	0.0	60.0	-2.98	-3.69	5.19e-04	7.77e-03	3.97e-04	-2.51
440	162	2.24	-4.95e-05	-1.82e-05	-0.19	0.0	5.67	2.16	-1.52e-04	-7.34e-03	-4.95e-05	0.99
		0.99	-1.35e-04	-9.07e-05	0.0	60.0	5.67	1.98	-1.52e-04	-7.34e-03	-1.35e-04	2.24
440	176	-0.90	2.02e-04	3.49e-04	-0.19	0.0	0.29	-5.79	3.41e-04	-7.51e-03	-9.93e-06	-0.90
		-4.43	-9.93e-06	2.23e-04	0.0	60.0	0.29	-5.98	3.41e-04	-7.51e-03	2.02e-04	-4.43
440	179	4.16	5.94e-05	-2.01e-04	-0.19	0.0	2.40	4.45	2.61e-05	7.94e-03	5.16e-05	1.54
		1.54	5.16e-05	-2.20e-04	0.0	60.0	2.40	4.26	2.61e-05	7.94e-03	5.94e-05	4.16
440	189	-0.38	3.90e-04	1.69e-04	-0.19	0.0	-3.02	-3.61	5.15e-04	2.01e-03	8.16e-05	-0.38
		-2.60	8.16e-05	9.38e-05	0.0	60.0	-3.02	-3.80	5.15e-04	2.01e-03	3.90e-04	-2.60
440	190	2.33	-3.99e-05	-2.21e-05	-0.19	0.0	5.70	2.27	-1.48e-04	-1.57e-03	-3.99e-05	1.02
		1.02	-1.28e-04	-9.12e-05	0.0	60.0	5.70	2.08	-1.48e-04	-1.57e-03	-1.28e-04	2.33
440	193	-0.37	3.94e-04	1.71e-04	-0.19	0.0	-2.95	-3.59	5.17e-04	7.61e-03	8.91e-05	-0.37
		-2.58	8.91e-05	9.78e-05	0.0	60.0	-2.95	-3.78	5.17e-04	7.61e-03	3.94e-04	-2.58
440	194	2.31	-4.75e-05	-2.42e-05	-0.19	0.0	5.63	2.25	-1.50e-04	-7.18e-03	-4.75e-05	1.01
		1.01	-1.32e-04	-9.51e-05	0.0	60.0	5.63	2.06	-1.50e-04	-7.18e-03	-1.32e-04	2.31
440	216	-1.13	2.35e-04	4.17e-04	-0.19	0.0	0.30	-6.77	3.88e-04	0.01	1.42e-05	-1.13
		-5.24	1.42e-05	2.84e-04	0.0	60.0	0.30	-6.96	3.88e-04	0.01	2.35e-04	-5.24
440	219	4.97	2.74e-05	-2.69e-04	-0.19	0.0	2.39	5.43	-2.12e-05	-0.01	2.74e-05	1.77
		1.77	2.68e-05	-2.81e-04	0.0	60.0	2.39	5.24	-2.12e-05	-0.01	2.68e-05	4.97
440	221	-0.51	4.34e-04	1.89e-04	-0.19	0.0	-3.75	-4.16	5.72e-04	2.36e-03	9.15e-05	-0.51
		-3.06	9.15e-05	1.12e-04	0.0	60.0	-3.75	-4.35	5.72e-04	2.36e-03	4.34e-04	-3.06
440	222	2.79	-4.98e-05	-4.12e-05	-0.19	0.0	6.43	2.82	-2.05e-04	-1.93e-03	-4.98e-05	1.15
		1.15	-1.72e-04	-1.09e-04	0.0	60.0	6.43	2.63	-2.05e-04	-1.93e-03	-1.72e-04	2.79
440	225	-0.51	4.40e-04	1.94e-04	-0.19	0.0	-3.68	-4.18	5.77e-04	8.91e-03	1.00e-04	-0.51
		-3.07	1.00e-04	1.18e-04	0.0	60.0	-3.68	-4.36	5.77e-04	8.91e-03	4.40e-04	-3.07
440	226	2.80	-5.85e-05	-4.67e-05	-0.19	0.0	6.37	2.84	-2.10e-04	-8.48e-03	-5.85e-05	1.15
		1.15	-1.78e-04	-1.16e-04	0.0	60.0	6.37	2.65	-2.10e-04	-8.48e-03	-1.78e-04	2.80
441	18	0.84	0.05	1.51e-05	-0.24	0.0	3.56	0.25	-5.50e-03	8.68e-03	0.05	0.76
		0.76	0.04	1.26e-05	0.0	60.0	3.56	4.67e-03	-5.50e-03	8.68e-03	0.04	0.84
441	19	0.64	0.05	-1.58e-05	-0.19	0.0	2.51	0.30	-4.64e-03	4.53e-03	0.05	0.51
		0.51	0.04	9.38e-06	0.0	60.0	2.51	0.11	-4.64e-03	4.53e-03	0.04	0.64
441	35	0.88	-0.05	2.88e-05	-0.24	0.0	2.50	0.18	2.85e-03	9.48e-03	-0.05	0.84
		0.84	-0.05	-1.42e-06	0.0	60.0	2.50	-0.07	2.85e-03	9.48e-03	-0.05	0.87
441	45	0.66	-0.09	-5.21e-06	-0.19	0.0	1.04	0.25	6.84e-03	4.94e-03	-0.09	0.57
		0.57	-0.09	-9.68e-06	0.0	60.0	1.04	0.06	6.84e-03	4.94e-03	-0.09	0.66
441	72	0.64	0.03	-1.16e-05	-0.19	0.0	2.32	0.28	-3.41e-03	4.77e-03	0.03	0.53
		0.53	0.03	7.12e-06	0.0	60.0	2.32	0.09	-3.41e-03	4.77e-03	0.03	0.64
441	75	0.65	0.03	7.55e-06	-0.19	0.0	2.60	0.21	-3.75e-03	6.32e-03	0.03	0.58
		0.58	0.03	8.60e-06	0.0	60.0	2.60	0.02	-3.75e-03	6.32e-03	0.03	0.65
441	81	0.67	-0.03	-2.56e-06	-0.19	0.0	1.67	0.22	2.11e-03	5.63e-03	-0.04	0.60
		0.60	-0.04	-2.02e-06	0.0	60.0	1.67	0.03	2.11e-03	5.63e-03	-0.03	0.67
441	85	0.66	-0.06	-5.03e-06	-0.19	0.0	1.34	0.25	4.25e-03	5.04e-03	-0.06	0.57

		0.57	-0.06	-5.59e-06	0.0	60.0	1.34	0.06	4.25e-03	5.04e-03	-0.06	0.66
441	99	0.65	4.00e-04	-7.00e-06	-0.19	0.0	1.89	0.26	-8.75e-04	5.03e-03	4.00e-04	0.56
		0.56	-1.26e-04	2.36e-06	0.0	60.0	1.89	0.07	-8.75e-04	5.03e-03	-1.26e-04	0.65
441	102	0.65	6.44e-03	-8.65e-06	-0.19	0.0	1.96	0.27	-1.37e-03	4.87e-03	6.44e-03	0.54
		0.54	5.62e-03	3.24e-06	0.0	60.0	1.96	0.08	-1.37e-03	4.87e-03	5.62e-03	0.65
441	103	0.65	6.56e-03	5.39e-06	-0.19	0.0	2.15	0.22	-1.62e-03	5.92e-03	6.56e-03	0.57
		0.57	5.58e-03	4.33e-06	0.0	60.0	2.15	0.03	-1.62e-03	5.92e-03	5.58e-03	0.65
441	104	0.65	-0.01	-7.33e-06	-0.19	0.0	1.76	0.26	1.65e-04	4.93e-03	-0.01	0.55
		0.55	-0.01	0.0	0.0	60.0	1.76	0.07	1.65e-04	4.93e-03	-0.01	0.65
441	106	0.65	3.90e-04	-7.97e-06	-0.19	0.0	1.87	0.26	-8.56e-04	4.90e-03	3.90e-04	0.55
		0.55	-1.23e-04	2.27e-06	0.0	60.0	1.87	0.08	-8.56e-04	4.90e-03	-1.23e-04	0.65
441	107	0.65	5.03e-04	6.17e-06	-0.19	0.0	2.06	0.22	-1.11e-03	5.95e-03	5.03e-04	0.58
		0.58	-1.64e-04	3.36e-06	0.0	60.0	2.06	0.03	-1.11e-03	5.95e-03	-1.64e-04	0.65
441	112	1.80	0.02	-4.09e-06	-0.19	0.0	3.02	-2.47	-0.01	5.16e-04	0.02	1.80
		0.26	-5.45e-03	2.03e-04	0.0	60.0	3.02	-2.66	-0.01	5.16e-04	-5.45e-03	0.26
441	115	1.04	5.12e-03	1.18e-05	-0.19	0.0	1.11	2.90	0.01	0.01	-0.02	-0.65
		-0.65	-0.02	-1.97e-04	0.0	60.0	1.11	2.71	0.01	0.01	5.12e-03	1.04
441	124	0.55	0.05	-2.54e-05	-0.19	0.0	4.52	0.27	-0.03	6.65e-05	0.05	0.55
		0.42	0.02	5.62e-05	0.0	60.0	4.52	0.08	-0.03	6.65e-05	0.02	0.42
441	127	0.88	-0.02	3.77e-05	-0.19	0.0	-0.39	0.16	0.02	0.01	-0.04	0.60
		0.60	-0.04	-4.95e-05	0.0	60.0	-0.39	-0.03	0.02	0.01	-0.02	0.88
441	128	0.53	0.05	-3.71e-05	-0.19	0.0	4.53	0.30	-0.03	2.03e-04	0.05	0.53
		0.42	0.02	5.80e-05	0.0	60.0	4.53	0.12	-0.03	2.03e-04	0.02	0.42
441	131	0.87	-0.02	4.94e-05	-0.19	0.0	-0.40	0.13	0.02	0.01	-0.04	0.62
		0.62	-0.04	-5.13e-05	0.0	60.0	-0.40	-0.06	0.02	0.01	-0.02	0.87
441	144	1.96	0.03	-4.49e-06	-0.19	0.0	3.14	-2.81	-0.01	-1.58e-04	0.03	1.96
		0.21	-6.13e-03	2.29e-04	0.0	60.0	3.14	-3.00	-0.01	-1.58e-04	-6.13e-03	0.21
441	147	1.09	5.80e-03	1.22e-05	-0.19	0.0	0.99	3.24	0.01	0.01	-0.03	-0.81
		-0.81	-0.03	-2.22e-04	0.0	60.0	0.99	3.05	0.01	0.01	5.80e-03	1.09
441	156	0.55	0.05	-2.95e-05	-0.19	0.0	4.83	0.28	-0.03	-6.63e-04	0.05	0.55
		0.39	0.03	6.25e-05	0.0	60.0	4.83	0.09	-0.03	-6.63e-04	0.03	0.39
441	159	0.91	-0.03	4.18e-05	-0.19	0.0	-0.70	0.15	0.03	0.01	-0.05	0.61
		0.61	-0.05	-5.58e-05	0.0	60.0	-0.70	-0.04	0.03	0.01	-0.03	0.91
441	160	0.53	0.05	-4.26e-05	-0.19	0.0	4.83	0.31	-0.03	-4.99e-04	0.05	0.53
		0.40	0.03	6.48e-05	0.0	60.0	4.83	0.13	-0.03	-4.99e-04	0.03	0.40
441	163	0.90	-0.03	5.49e-05	-0.19	0.0	-0.70	0.12	0.03	0.01	-0.05	0.62
		0.62	-0.05	-5.81e-05	0.0	60.0	-0.70	-0.07	0.03	0.01	-0.03	0.90
441	176	1.97	0.03	8.06e-06	-0.19	0.0	3.09	-2.83	-0.01	3.24e-04	0.03	1.97
		0.21	-6.03e-03	2.28e-04	0.0	60.0	3.09	-3.02	-0.01	3.24e-04	-6.03e-03	0.21
441	179	1.09	5.70e-03	4.28e-06	-0.19	0.0	1.04	3.26	0.01	0.01	-0.03	-0.81
		-0.81	-0.03	-2.22e-04	0.0	60.0	1.04	3.07	0.01	0.01	5.70e-03	1.09
441	188	0.54	0.05	-2.86e-05	-0.19	0.0	4.77	0.30	-0.03	-3.61e-04	0.05	0.54
		0.39	0.03	5.89e-05	0.0	60.0	4.77	0.11	-0.03	-3.61e-04	0.03	0.39
441	191	0.91	-0.03	4.10e-05	-0.19	0.0	-0.64	0.13	0.03	0.01	-0.05	0.62
		0.62	-0.05	-5.21e-05	0.0	60.0	-0.64	-0.06	0.03	0.01	-0.03	0.91
441	192	0.53	0.05	-4.28e-05	-0.19	0.0	4.77	0.31	-0.03	-1.94e-04	0.05	0.53
		0.39	0.03	6.33e-05	0.0	60.0	4.77	0.12	-0.03	-1.94e-04	0.03	0.39
441	195	0.91	-0.03	5.51e-05	-0.19	0.0	-0.64	0.12	0.03	0.01	-0.05	0.62
		0.62	-0.05	-5.65e-05	0.0	60.0	-0.64	-0.07	0.03	0.01	-0.03	0.91
441	216	2.24	0.03	-4.52e-05	-0.19	0.0	3.26	-3.43	-0.02	1.27e-04	0.03	2.24
		0.12	-6.02e-03	2.93e-04	0.0	60.0	3.26	-3.61	-0.02	1.27e-04	-6.02e-03	0.12
441	219	1.18	5.69e-03	5.76e-05	-0.19	0.0	0.87	3.86	0.01	0.01	-0.03	-1.08
		-1.08	-0.03	-2.86e-04	0.0	60.0	0.87	3.67	0.01	0.01	5.69e-03	1.18
441	220	0.52	0.06	-3.42e-05	-0.19	0.0	5.20	0.33	-0.03	-1.30e-03	0.06	0.52
		0.34	0.03	6.61e-05	0.0	60.0	5.20	0.14	-0.03	-1.30e-03	0.03	0.34
441	223	0.96	-0.03	4.65e-05	-0.19	0.0	-1.07	0.10	0.03	0.01	-0.06	0.63
		0.63	-0.06	-5.94e-05	0.0	60.0	-1.07	-0.09	0.03	0.01	-0.03	0.96
441	224	0.53	0.06	-5.18e-05	-0.19	0.0	5.21	0.31	-0.03	-1.15e-03	0.06	0.53
		0.34	0.03	7.35e-05	0.0	60.0	5.21	0.13	-0.03	-1.15e-03	0.03	0.34
441	227	0.96	-0.03	6.41e-05	-0.19	0.0	-1.08	0.12	0.03	0.01	-0.06	0.62
		0.62	-0.06	-6.68e-05	0.0	60.0	-1.08	-0.07	0.03	0.01	-0.03	0.96
442	15	0.41	0.05	1.45e-04	-0.24	0.0	0.63	-1.02	-0.03	6.36e-03	0.05	0.41
		-0.27	0.03	1.24e-05	0.0	60.0	0.63	-1.26	-0.03	6.36e-03	0.03	-0.27
442	18	0.32	0.05	1.83e-04	-0.24	0.0	0.44	-1.35	-0.03	8.68e-03	0.05	0.32
		-0.56	0.03	1.45e-05	0.0	60.0	0.44	-1.59	-0.03	8.68e-03	0.03	-0.56
442	28	0.29	-0.02	2.11e-04	-0.24	0.0	-0.18	-1.55	0.05	9.78e-03	-0.05	0.29
		-0.71	-0.05	-3.76e-06	0.0	60.0	-0.18	-1.80	0.05	9.78e-03	-0.02	-0.71
442	41	0.42	-0.04	1.64e-04	-0.24	0.0	-0.06	-1.13	0.08	6.77e-03	-0.09	0.42
		-0.33	-0.09	-1.31e-05	0.0	60.0	-0.06	-1.37	0.08	6.77e-03	-0.04	-0.33
442	45	0.34	-0.04	1.23e-04	-0.19	0.0	-0.11	-0.83	0.08	4.94e-03	-0.09	0.34
		-0.22	-0.09	-1.40e-05	0.0	60.0	-0.11	-1.02	0.08	4.94e-03	-0.04	-0.22
442	48	0.25	-0.04	1.61e-04	-0.19	0.0	-0.30	-1.16	0.08	7.25e-03	-0.09	0.25
		-0.51	-0.09	-1.19e-05	0.0	60.0	-0.30	-1.35	0.08	7.25e-03	-0.04	-0.51
442	72	0.32	0.03	1.10e-04	-0.19	0.0	0.46	-0.77	-0.02	4.77e-03	0.03	0.32
		-0.20	0.02	8.43e-06	0.0	60.0	0.46	-0.96	-0.02	4.77e-03	0.02	-0.20

442	75	0.26	0.03	1.36e-04	-0.19	0.0	0.33	-0.99	-0.02	6.32e-03	0.03	0.26
		-0.39	0.02	9.85e-06	0.0	60.0	0.33	-1.18	-0.02	6.32e-03	0.02	-0.39
442	80	0.24	-0.01	1.54e-04	-0.19	0.0	-0.08	-1.13	0.03	7.05e-03	-0.03	0.24
		-0.49	-0.03	-2.32e-06	0.0	60.0	-0.08	-1.31	0.03	7.05e-03	-0.01	-0.49
442	85	0.33	-0.03	1.23e-04	-0.19	0.0	-5.42e-04	-0.84	0.05	5.04e-03	-0.06	0.33
		-0.23	-0.06	-8.54e-06	0.0	60.0	-5.42e-04	-1.03	0.05	5.04e-03	-0.03	-0.23
442	88	0.27	-0.03	1.48e-04	-0.19	0.0	-0.13	-1.06	0.05	6.59e-03	-0.06	0.27
		-0.43	-0.06	-7.12e-06	0.0	60.0	-0.13	-1.25	0.05	6.59e-03	-0.03	-0.43
442	98	0.27	4.43e-03	1.37e-04	-0.19	0.0	0.13	-0.99	3.68e-03	6.12e-03	2.22e-03	0.27
		-0.38	2.22e-03	3.37e-06	0.0	60.0	0.13	-1.18	3.68e-03	6.12e-03	4.43e-03	-0.38
442	102	0.32	7.79e-03	1.15e-04	-0.19	0.0	0.29	-0.80	-2.42e-03	4.87e-03	7.79e-03	0.32
		-0.21	6.33e-03	3.41e-06	0.0	60.0	0.29	-0.99	-2.42e-03	4.87e-03	6.33e-03	-0.21
442	103	0.27	8.26e-03	1.33e-04	-0.19	0.0	0.19	-0.96	-1.58e-03	5.92e-03	8.26e-03	0.27
		-0.36	7.32e-03	4.45e-06	0.0	60.0	0.19	-1.14	-1.58e-03	5.92e-03	7.32e-03	-0.36
442	104	0.32	-2.92e-03	1.18e-04	-0.19	0.0	0.19	-0.81	0.01	4.93e-03	-0.01	0.32
		-0.22	-0.01	0.0	0.0	60.0	0.19	-1.00	0.01	4.93e-03	-2.92e-03	-0.22
442	105	0.28	-1.94e-03	1.35e-04	-0.19	0.0	0.10	-0.97	0.01	5.98e-03	-0.01	0.28
		-0.36	-0.01	1.06e-06	0.0	60.0	0.10	-1.16	0.01	5.98e-03	-1.94e-03	-0.36
442	106	0.32	3.29e-03	1.17e-04	-0.19	0.0	0.24	-0.81	2.69e-03	4.90e-03	1.67e-03	0.32
		-0.22	1.67e-03	2.16e-06	0.0	60.0	0.24	-0.99	2.69e-03	4.90e-03	3.29e-03	-0.22
442	107	0.27	4.27e-03	1.34e-04	-0.19	0.0	0.15	-0.96	3.54e-03	5.95e-03	2.15e-03	0.27
		-0.36	2.15e-03	3.20e-06	0.0	60.0	0.15	-1.15	3.54e-03	5.95e-03	4.27e-03	-0.36
442	112	-0.67	0.03	1.79e-03	-0.19	0.0	-3.59	-5.27	-0.02	5.16e-04	0.03	-0.67
		-3.89	-3.25e-03	2.00e-04	0.0	60.0	-3.59	-5.46	-0.02	5.16e-04	-3.25e-03	-3.89
442	113	-0.49	0.01	1.81e-03	-0.19	0.0	-4.75	-4.46	-4.12e-03	-1.53e-03	0.01	-0.49
		-3.23	-0.01	1.93e-04	0.0	60.0	-4.75	-4.65	-4.12e-03	-1.53e-03	-0.01	-3.23
442	114	2.51	0.02	-1.55e-03	-0.19	0.0	5.04	2.54	0.01	0.01	-9.84e-03	1.04
		1.04	-9.84e-03	-1.87e-04	0.0	60.0	5.04	2.35	0.01	0.01	0.02	2.51
442	115	3.17	0.01	-1.52e-03	-0.19	0.0	3.88	3.34	0.02	0.01	-0.02	1.22
		1.22	-0.02	-1.94e-04	0.0	60.0	3.88	3.15	0.02	0.01	0.01	3.17
442	124	0.30	0.05	5.93e-04	-0.19	0.0	0.44	-0.88	-0.03	6.65e-05	0.05	0.30
		-0.29	0.02	5.10e-05	0.0	60.0	0.44	-1.06	-0.03	6.65e-05	0.02	-0.29
442	127	0.25	-0.01	-3.25e-04	-0.19	0.0	-0.14	-1.05	0.04	0.01	-0.04	0.25
		-0.43	-0.04	-4.46e-05	0.0	60.0	-0.14	-1.24	0.04	0.01	-0.01	-0.43
442	144	-0.79	0.03	2.00e-03	-0.19	0.0	-4.06	-5.82	-0.02	-1.58e-04	0.03	-0.79
		-4.34	-4.20e-03	2.25e-04	0.0	60.0	-4.06	-6.01	-0.02	-1.58e-04	-4.20e-03	-4.34
442	145	-0.59	0.02	2.03e-03	-0.19	0.0	-5.37	-4.91	-5.09e-03	-2.46e-03	0.02	-0.59
		-3.59	-0.01	2.17e-04	0.0	60.0	-5.37	-5.09	-5.09e-03	-2.46e-03	-0.01	-3.59
442	146	2.87	0.02	-1.76e-03	-0.19	0.0	5.66	2.98	0.01	0.01	-0.01	1.14
		1.14	-0.01	-2.11e-04	0.0	60.0	5.66	2.79	0.01	0.01	0.02	2.87
442	147	3.62	0.01	-1.73e-03	-0.19	0.0	4.36	3.89	0.03	0.01	-0.03	1.34
		1.34	-0.03	-2.19e-04	0.0	60.0	4.36	3.70	0.03	0.01	0.01	3.62
442	156	0.30	0.05	6.50e-04	-0.19	0.0	0.48	-0.86	-0.04	-6.63e-04	0.05	0.30
		-0.27	0.02	5.66e-05	0.0	60.0	0.48	-1.05	-0.04	-6.63e-04	0.02	-0.27
442	159	0.25	-0.01	-3.82e-04	-0.19	0.0	-0.19	-1.07	0.05	0.01	-0.05	0.25
		-0.45	-0.05	-5.02e-05	0.0	60.0	-0.19	-1.26	0.05	0.01	-0.01	-0.45
442	176	-0.80	0.03	1.93e-03	-0.19	0.0	-4.09	-5.85	-0.02	3.24e-04	0.03	-0.80
		-4.36	-4.05e-03	2.25e-04	0.0	60.0	-4.09	-6.03	-0.02	3.24e-04	-4.05e-03	-4.36
442	177	-0.59	0.02	1.95e-03	-0.19	0.0	-5.38	-4.92	-4.63e-03	-1.86e-03	0.02	-0.59
		-3.60	-0.01	2.16e-04	0.0	60.0	-5.38	-5.11	-4.63e-03	-1.86e-03	-0.01	-3.60
442	178	2.88	0.02	-1.69e-03	-0.19	0.0	5.68	2.99	0.01	0.01	-0.01	1.14
		1.14	-0.01	-2.09e-04	0.0	60.0	5.68	2.80	0.01	0.01	0.02	2.88
442	179	3.65	0.01	-1.66e-03	-0.19	0.0	4.38	3.92	0.03	0.01	-0.03	1.35
		1.35	-0.03	-2.18e-04	0.0	60.0	4.38	3.73	0.03	0.01	0.01	3.65
442	188	0.31	0.05	6.27e-04	-0.19	0.0	0.53	-0.83	-0.04	-3.61e-04	0.05	0.31
		-0.25	0.02	5.30e-05	0.0	60.0	0.53	-1.02	-0.04	-3.61e-04	0.02	-0.25
442	191	0.24	-0.01	-3.58e-04	-0.19	0.0	-0.23	-1.10	0.04	0.01	-0.05	0.24
		-0.47	-0.05	-4.66e-05	0.0	60.0	-0.23	-1.29	0.04	0.01	-0.01	-0.47
442	209	-0.75	0.02	2.23e-03	-0.19	0.0	-6.36	-5.62	-5.85e-03	-2.90e-03	0.02	-0.75
		-4.18	-0.01	2.53e-04	0.0	60.0	-6.36	-5.81	-5.85e-03	-2.90e-03	-0.01	-4.18
442	210	3.46	0.02	-1.97e-03	-0.19	0.0	6.66	3.69	0.01	0.01	-0.01	1.30
		1.30	-0.01	-2.46e-04	0.0	60.0	6.66	3.51	0.01	0.01	0.02	3.46
442	216	-1.01	0.03	4.17e-04	-0.19	0.0	-4.75	-6.80	-0.02	1.27e-04	0.03	-1.01
		-5.14	0.02	2.88e-04	0.0	60.0	-4.75	-6.98	-0.02	1.27e-04	0.02	-5.14
442	219	4.42	-0.01	-1.49e-04	-0.19	0.0	5.04	4.87	0.03	0.01	-0.03	1.56
		1.56	-0.03	-2.82e-04	0.0	60.0	5.04	4.68	0.03	0.01	-0.01	4.42
442	220	0.32	0.06	6.99e-04	-0.19	0.0	0.62	-0.78	-0.04	-1.30e-03	0.06	0.32
		-0.21	0.02	5.91e-05	0.0	60.0	0.62	-0.97	-0.04	-1.30e-03	0.02	-0.21
442	223	0.23	-0.02	-4.31e-04	-0.19	0.0	-0.33	-1.15	0.05	0.01	-0.06	0.23
		-0.51	-0.06	-5.27e-05	0.0	60.0	-0.33	-1.34	0.05	0.01	-0.02	-0.51
443	12	0.45	0.01	6.52e-05	-0.19	0.0	-0.17	-0.15	-0.11	3.06e-04	0.01	0.45
		0.30	-0.05	1.28e-05	0.0	60.0	-0.17	-0.34	-0.11	3.06e-04	-0.05	0.30
443	18	0.62	0.02	9.27e-05	-0.24	0.0	-0.61	-0.20	-0.19	4.80e-04	0.02	0.62
		0.42	-0.09	2.09e-05	0.0	60.0	-0.61	-0.44	-0.19	4.80e-04	-0.09	0.42
443	19	0.46	0.02	6.63e-05	-0.19	0.0	0.30	-0.12	-0.19	1.93e-04	0.02	0.46

		0.33	-0.09	1.81e-05	0.0	60.0	0.30	-0.30	-0.19	1.93e-04	-0.09	0.33
443	27	0.64	0.10	9.50e-05	-0.24	0.0	-1.49	-0.19	0.23	5.72e-04	-0.04	0.64
		0.45	-0.04	-1.28e-05	0.0	60.0	-1.49	-0.44	0.23	5.72e-04	0.10	0.45
443	28	0.64	0.10	9.46e-05	-0.24	0.0	-1.63	-0.21	0.23	6.16e-04	-0.04	0.64
		0.44	-0.04	-1.25e-05	0.0	60.0	-1.63	-0.46	0.23	6.16e-04	0.10	0.44
443	45	0.47	0.17	6.53e-05	-0.19	0.0	-0.68	-0.12	0.38	2.83e-04	-0.06	0.47
		0.34	-0.06	-2.86e-05	0.0	60.0	-0.68	-0.31	0.38	2.83e-04	0.17	0.34
443	69	0.46	7.14e-03	6.59e-05	-0.19	0.0	-0.22	-0.14	-0.07	3.02e-04	7.14e-03	0.46
		0.31	-0.04	9.77e-06	0.0	60.0	-0.22	-0.33	-0.07	3.02e-04	-0.04	0.31
443	72	0.46	0.01	6.66e-05	-0.19	0.0	0.09	-0.12	-0.12	2.26e-04	0.01	0.46
		0.33	-0.06	1.33e-05	0.0	60.0	0.09	-0.31	-0.12	2.26e-04	-0.06	0.33
443	75	0.47	0.01	7.04e-05	-0.19	0.0	-0.40	-0.15	-0.12	3.47e-04	0.01	0.47
		0.33	-0.06	1.43e-05	0.0	60.0	-0.40	-0.34	-0.12	3.47e-04	-0.06	0.33
443	79	0.49	0.06	7.19e-05	-0.19	0.0	-0.98	-0.14	0.15	4.08e-04	-0.03	0.49
		0.35	-0.03	-8.17e-06	0.0	60.0	-0.98	-0.33	0.15	4.08e-04	0.06	0.35
443	80	0.49	0.06	7.16e-05	-0.19	0.0	-1.08	-0.15	0.15	4.38e-04	-0.03	0.49
		0.34	-0.03	-7.97e-06	0.0	60.0	-1.08	-0.34	0.15	4.38e-04	0.06	0.34
443	85	0.47	0.11	6.59e-05	-0.19	0.0	-0.56	-0.12	0.25	2.86e-04	-0.04	0.47
		0.34	-0.04	-1.79e-05	0.0	60.0	-0.56	-0.31	0.25	2.86e-04	0.11	0.34
443	98	0.48	-3.74e-03	7.04e-05	-0.19	0.0	-0.60	-0.14	4.44e-05	3.57e-04	-3.77e-03	0.48
		0.34	-3.77e-03	4.27e-06	0.0	60.0	-0.60	-0.32	4.44e-05	3.57e-04	-3.74e-03	0.34
443	99	0.46	-2.79e-03	6.62e-05	-0.19	0.0	-0.25	-0.13	4.73e-04	2.78e-04	-3.07e-03	0.46
		0.33	-3.07e-03	3.54e-06	0.0	60.0	-0.25	-0.31	4.73e-04	2.78e-04	-2.79e-03	0.33
443	102	0.46	5.85e-04	6.64e-05	-0.19	0.0	-0.15	-0.12	-0.02	2.58e-04	5.85e-04	0.46
		0.33	-0.01	5.43e-06	0.0	60.0	-0.15	-0.31	-0.02	2.58e-04	-0.01	0.33
443	103	0.48	-1.07e-04	6.99e-05	-0.19	0.0	-0.49	-0.13	-0.02	3.36e-04	-1.07e-04	0.48
		0.34	-0.02	6.13e-06	0.0	60.0	-0.49	-0.32	-0.02	3.36e-04	-0.02	0.34
443	104	0.47	0.02	6.62e-05	-0.19	0.0	-0.28	-0.12	0.05	2.70e-04	-0.01	0.47
		0.34	-0.01	0.0	0.0	60.0	-0.28	-0.31	0.05	2.70e-04	0.02	0.34
443	105	0.48	0.02	6.98e-05	-0.19	0.0	-0.62	-0.13	0.05	3.48e-04	-0.01	0.48
		0.34	-0.01	0.0	0.0	60.0	-0.62	-0.32	0.05	3.48e-04	0.02	0.34
443	106	0.46	-2.75e-03	6.63e-05	-0.19	0.0	-0.21	-0.12	3.44e-04	2.67e-04	-2.96e-03	0.46
		0.33	-2.96e-03	3.46e-06	0.0	60.0	-0.21	-0.31	3.44e-04	2.67e-04	-2.75e-03	0.33
443	107	0.48	-3.60e-03	6.99e-05	-0.19	0.0	-0.55	-0.13	8.73e-05	3.44e-04	-3.65e-03	0.48
		0.34	-3.65e-03	4.16e-06	0.0	60.0	-0.55	-0.32	8.73e-05	3.44e-04	-3.60e-03	0.34
443	108	0.54	2.68e-03	6.23e-05	-0.19	0.0	2.95	-0.32	-0.04	-7.67e-03	2.68e-03	0.54
		0.27	-0.04	3.21e-04	0.0	60.0	2.95	-0.50	-0.04	-7.67e-03	-0.04	0.27
443	111	0.43	0.04	7.74e-05	-0.19	0.0	-4.05	0.05	0.04	8.36e-03	-9.99e-03	0.43
		0.41	-9.99e-03	-3.12e-04	0.0	60.0	-4.05	-0.14	0.04	8.36e-03	0.04	0.41
443	112	0.53	1.47e-03	6.84e-05	-0.19	0.0	2.92	-0.36	-0.04	-5.66e-03	1.47e-03	0.53
		0.27	-0.04	3.51e-04	0.0	60.0	2.92	-0.55	-0.04	-5.66e-03	-0.04	0.27
443	113	0.56	0.01	5.73e-05	-0.19	0.0	1.70	-0.32	0.09	-7.61e-03	-0.02	0.56
		0.29	-0.02	3.16e-04	0.0	60.0	1.70	-0.50	0.09	-7.61e-03	0.01	0.29
443	124	0.46	0.03	6.61e-05	-0.19	0.0	2.46	-0.13	-0.22	-5.20e-03	0.03	0.46
		0.29	-0.11	5.89e-05	0.0	60.0	2.46	-0.31	-0.22	-5.20e-03	-0.11	0.29
443	127	0.49	0.10	7.36e-05	-0.19	0.0	-3.55	-0.14	0.22	5.89e-03	-0.04	0.49
		0.39	-0.04	-5.06e-05	0.0	60.0	-3.55	-0.33	0.22	5.89e-03	0.10	0.39
443	140	0.54	3.48e-03	6.13e-05	-0.19	0.0	3.40	-0.34	-0.05	-8.68e-03	3.48e-03	0.54
		0.26	-0.05	3.60e-04	0.0	60.0	3.40	-0.53	-0.05	-8.68e-03	-0.05	0.26
443	143	0.43	0.04	7.84e-05	-0.19	0.0	-4.49	0.07	0.05	9.36e-03	-0.01	0.43
		0.41	-0.01	-3.52e-04	0.0	60.0	-4.49	-0.12	0.05	9.36e-03	0.04	0.41
443	144	0.54	2.11e-03	6.82e-05	-0.19	0.0	3.36	-0.39	-0.04	-6.41e-03	2.11e-03	0.54
		0.26	-0.05	3.95e-04	0.0	60.0	3.36	-0.57	-0.04	-6.41e-03	-0.05	0.26
443	145	0.57	0.02	5.56e-05	-0.19	0.0	1.98	-0.34	0.10	-8.60e-03	-0.02	0.57
		0.28	-0.02	3.56e-04	0.0	60.0	1.98	-0.53	0.10	-8.60e-03	0.02	0.28
443	156	0.46	0.04	6.55e-05	-0.19	0.0	2.83	-0.13	-0.25	-5.90e-03	0.04	0.46
		0.28	-0.12	6.52e-05	0.0	60.0	2.83	-0.31	-0.25	-5.90e-03	-0.12	0.28
443	159	0.49	0.11	7.42e-05	-0.19	0.0	-3.93	-0.14	0.25	6.59e-03	-0.05	0.49
		0.40	-0.05	-5.69e-05	0.0	60.0	-3.93	-0.33	0.25	6.59e-03	0.11	0.40
443	172	0.54	3.51e-03	6.46e-05	-0.19	0.0	3.39	-0.34	-0.05	-8.32e-03	3.51e-03	0.54
		0.26	-0.05	3.53e-04	0.0	60.0	3.39	-0.53	-0.05	-8.32e-03	-0.05	0.26
443	175	0.43	0.04	7.51e-05	-0.19	0.0	-4.49	0.07	0.05	9.00e-03	-0.01	0.43
		0.41	-0.01	-3.44e-04	0.0	60.0	-4.49	-0.12	0.05	9.00e-03	0.04	0.41
443	176	0.54	2.12e-03	7.22e-05	-0.19	0.0	3.37	-0.39	-0.04	-6.11e-03	2.12e-03	0.54
		0.26	-0.04	3.91e-04	0.0	60.0	3.37	-0.57	-0.04	-6.11e-03	-0.04	0.26
443	177	0.56	0.02	5.90e-05	-0.19	0.0	1.99	-0.34	0.10	-8.24e-03	-0.02	0.56
		0.28	-0.02	3.48e-04	0.0	60.0	1.99	-0.53	0.10	-8.24e-03	0.02	0.28
443	188	0.46	0.04	6.54e-05	-0.19	0.0	2.78	-0.12	-0.25	-5.72e-03	0.04	0.46
		0.29	-0.12	5.83e-05	0.0	60.0	2.78	-0.31	-0.25	-5.72e-03	-0.12	0.29
443	191	0.49	0.11	7.43e-05	-0.19	0.0	-3.88	-0.14	0.25	6.41e-03	-0.04	0.49
		0.40	-0.04	-5.00e-05	0.0	60.0	-3.88	-0.33	0.25	6.41e-03	0.11	0.40
443	204	0.55	4.70e-03	6.64e-05	-0.19	0.0	4.08	-0.37	-0.06	-9.64e-03	4.70e-03	0.55
		0.24	-0.05	4.10e-04	0.0	60.0	4.08	-0.56	-0.06	-9.64e-03	-0.05	0.24
443	207	0.44	0.05	7.33e-05	-0.19	0.0	-5.17	0.11	0.06	0.01	-0.01	0.44
		0.40	-0.01	-4.01e-04	0.0	60.0	-5.17	-0.08	0.06	0.01	0.05	0.40

443	208	0.55	3.05e-03	7.57e-05	-0.19	0.0	4.07	-0.43	-0.05	-7.06e-03	3.05e-03	0.55
		0.24	-0.05	4.56e-04	0.0	60.0	4.07	-0.62	-0.05	-7.06e-03	-0.05	0.24
443	209	0.58	0.02	5.98e-05	-0.19	0.0	2.44	-0.37	0.11	-9.56e-03	-0.02	0.58
		0.27	-0.02	4.04e-04	0.0	60.0	2.44	-0.56	0.11	-9.56e-03	0.02	0.27
443	220	0.46	0.04	6.47e-05	-0.19	0.0	3.33	-0.12	-0.29	-6.70e-03	0.04	0.46
		0.28	-0.13	6.39e-05	0.0	60.0	3.33	-0.31	-0.29	-6.70e-03	-0.13	0.28
443	223	0.50	0.13	7.50e-05	-0.19	0.0	-4.43	-0.15	0.29	7.39e-03	-0.05	0.50
		0.41	-0.05	-5.56e-05	0.0	60.0	-4.43	-0.33	0.29	7.39e-03	0.13	0.41
444	19	0.61	0.08	-4.94e-05	-0.19	0.0	-2.85	0.22	-0.34	-1.66e-03	0.08	0.53
		0.53	-0.13	2.40e-05	0.0	60.0	-2.85	0.03	-0.34	-1.66e-03	-0.13	0.61
444	27	0.85	0.14	-1.07e-04	-0.24	0.0	-5.32	0.35	0.41	-3.63e-03	-0.10	0.71
		0.71	-0.10	-7.96e-06	0.0	60.0	-5.32	0.11	0.41	-3.63e-03	0.14	0.85
444	28	0.84	0.14	-1.11e-04	-0.24	0.0	-5.38	0.35	0.41	-3.37e-03	-0.10	0.70
		0.70	-0.10	-7.23e-06	0.0	60.0	-5.38	0.10	0.41	-3.37e-03	0.14	0.84
444	36	0.60	0.14	-6.55e-05	-0.19	0.0	-3.54	0.25	0.41	-1.42e-03	-0.10	0.50
		0.50	-0.10	-1.40e-05	0.0	60.0	-3.54	0.06	0.41	-1.42e-03	0.14	0.60
444	44	0.83	0.24	-1.05e-04	-0.24	0.0	-5.30	0.35	0.68	-3.13e-03	-0.17	0.69
		0.69	-0.17	-2.37e-05	0.0	60.0	-5.30	0.11	0.68	-3.13e-03	0.24	0.83
444	45	0.62	0.24	-6.03e-05	-0.19	0.0	-3.57	0.26	0.68	-2.03e-03	-0.17	0.52
		0.52	-0.17	-3.06e-05	0.0	60.0	-3.57	0.07	0.68	-2.03e-03	0.24	0.62
444	72	0.61	0.05	-5.29e-05	-0.19	0.0	-3.00	0.23	-0.23	-1.75e-03	0.05	0.53
		0.53	-0.09	1.87e-05	0.0	60.0	-3.00	0.04	-0.23	-1.75e-03	-0.09	0.61
444	79	0.64	0.09	-7.79e-05	-0.19	0.0	-3.94	0.26	0.27	-2.64e-03	-0.07	0.54
		0.54	-0.07	-4.51e-06	0.0	60.0	-3.94	0.08	0.27	-2.64e-03	0.09	0.64
444	80	0.64	0.09	-8.04e-05	-0.19	0.0	-3.98	0.26	0.27	-2.47e-03	-0.07	0.54
		0.54	-0.07	-4.02e-06	0.0	60.0	-3.98	0.07	0.27	-2.47e-03	0.09	0.64
444	81	0.60	0.09	-6.36e-05	-0.19	0.0	-3.46	0.25	0.27	-1.59e-03	-0.07	0.51
		0.51	-0.07	-6.66e-06	0.0	60.0	-3.46	0.06	0.27	-1.59e-03	0.09	0.60
444	85	0.62	0.16	-6.02e-05	-0.19	0.0	-3.48	0.26	0.27	-1.99e-03	-0.11	0.52
		0.52	-0.11	-1.77e-05	0.0	60.0	-3.48	0.07	0.46	-1.99e-03	0.16	0.62
444	88	0.63	0.16	-7.62e-05	-0.19	0.0	-3.92	0.26	0.46	-2.31e-03	-0.11	0.53
		0.53	-0.11	-1.50e-05	0.0	60.0	-3.92	0.08	0.46	-2.31e-03	0.16	0.63
444	98	0.63	-3.92e-03	-6.97e-05	-0.19	0.0	-3.60	0.25	-1.45e-03	-2.35e-03	-3.92e-03	0.54
		0.54	-4.79e-03	9.66e-06	0.0	60.0	-3.60	0.06	-1.45e-03	-2.35e-03	-4.79e-03	0.63
444	99	0.61	-3.06e-03	-5.72e-05	-0.19	0.0	-3.22	0.24	-1.09e-03	-1.78e-03	-3.06e-03	0.52
		0.52	-3.72e-03	7.66e-06	0.0	60.0	-3.22	0.05	-1.09e-03	-1.78e-03	-3.72e-03	0.61
444	102	0.61	7.92e-03	-5.55e-05	-0.19	0.0	-3.16	0.24	-0.05	-1.83e-03	7.92e-03	0.53
		0.53	-0.02	9.72e-06	0.0	60.0	-3.16	0.05	-0.05	-1.83e-03	-0.02	0.61
444	104	0.61	0.03	-5.70e-05	-0.19	0.0	-3.26	0.24	0.09	-1.88e-03	-0.02	0.52
		0.52	-0.02	2.43e-06	0.0	60.0	-3.26	0.05	0.09	-1.88e-03	0.03	0.61
444	105	0.63	0.03	-6.85e-05	-0.19	0.0	-3.60	0.25	0.09	-2.30e-03	-0.03	0.54
		0.54	-0.03	4.31e-06	0.0	60.0	-3.60	0.06	0.09	-2.30e-03	0.03	0.63
444	106	0.61	-3.00e-03	-5.62e-05	-0.19	0.0	-3.20	0.24	-1.06e-03	-1.85e-03	-3.00e-03	0.53
		0.53	-3.64e-03	7.47e-06	0.0	60.0	-3.20	0.05	-1.06e-03	-1.85e-03	-3.64e-03	0.61
444	107	0.63	-3.79e-03	-6.77e-05	-0.19	0.0	-3.54	0.25	-1.40e-03	-2.28e-03	-3.79e-03	0.54
		0.54	-4.62e-03	9.35e-06	0.0	60.0	-3.54	0.06	-1.40e-03	-2.28e-03	-4.62e-03	0.63
444	108	0.05	0.04	1.42e-03	-0.19	0.0	-0.90	-1.34	0.09	-6.85e-03	0.04	0.05
		-0.81	0.03	3.42e-04	0.0	60.0	-0.90	-1.53	0.09	-6.85e-03	0.03	-0.81
444	111	2.07	-0.04	-1.55e-03	-0.19	0.0	-6.18	1.84	-0.09	2.29e-03	-0.05	1.03
		1.03	-0.05	-3.23e-04	0.0	60.0	-6.18	1.65	-0.09	2.29e-03	-0.04	2.07
444	112	-0.06	0.05	1.42e-03	-0.19	0.0	-0.92	-1.69	0.05	-6.65e-03	0.05	-0.06
		-1.13	0.02	3.73e-04	0.0	60.0	-0.92	-1.88	0.05	-6.65e-03	0.02	-1.13
444	115	2.39	-0.02	-1.56e-03	-0.19	0.0	-6.16	2.19	-0.05	2.09e-03	-0.06	1.14
		1.14	-0.06	-3.55e-04	0.0	60.0	-6.16	2.00	-0.05	2.09e-03	-0.02	2.39
444	133	0.68	0.16	3.43e-04	-0.19	0.0	-3.64	0.30	0.42	-7.21e-03	-0.07	0.57
		0.57	-0.07	2.48e-05	0.0	60.0	-3.64	0.11	0.42	-7.21e-03	0.16	0.68
444	134	0.58	0.06	-4.79e-04	-0.19	0.0	-3.44	0.20	-0.42	2.66e-03	0.06	0.50
		0.50	-0.17	-6.12e-06	0.0	60.0	-3.44	8.09e-03	-0.42	2.66e-03	-0.17	0.58
444	140	-0.01	0.05	1.60e-03	-0.19	0.0	-0.57	-1.54	0.10	-7.42e-03	0.05	-0.01
		-1.00	0.04	3.84e-04	0.0	60.0	-0.57	-1.73	0.10	-7.42e-03	0.04	-1.00
444	143	2.25	-0.05	-1.74e-03	-0.19	0.0	-6.51	2.04	-0.11	2.86e-03	-0.06	1.09
		1.09	-0.06	-3.65e-04	0.0	60.0	-6.51	1.85	-0.11	2.86e-03	-0.05	2.25
444	144	-0.14	0.06	1.61e-03	-0.19	0.0	-0.59	-1.94	0.06	-7.19e-03	0.06	-0.14
		-1.35	0.02	4.19e-04	0.0	60.0	-0.59	-2.13	0.06	-7.19e-03	0.02	-1.35
444	147	2.61	-0.03	-1.75e-03	-0.19	0.0	-6.49	2.44	-0.06	2.64e-03	-0.07	1.21
		1.21	-0.07	-4.01e-04	0.0	60.0	-6.49	2.25	-0.06	2.64e-03	-0.03	2.61
444	165	0.69	0.18	3.95e-04	-0.19	0.0	-3.66	0.31	0.47	-7.83e-03	-0.07	0.58
		0.58	-0.07	2.62e-05	0.0	60.0	-3.66	0.12	0.47	-7.83e-03	0.18	0.69
444	166	0.57	0.07	-5.30e-04	-0.19	0.0	-3.42	0.19	-0.47	3.27e-03	0.07	0.50
		0.50	-0.19	-7.50e-06	0.0	60.0	-3.42	-1.22e-03	-0.47	3.27e-03	-0.19	0.57
444	172	-0.01	0.05	1.54e-03	-0.19	0.0	-0.55	-1.55	0.10	-7.02e-03	0.05	-0.01
		-1.00	0.03	3.76e-04	0.0	60.0	-0.55	-1.73	0.10	-7.02e-03	0.03	-1.00
444	175	2.26	-0.04	-1.68e-03	-0.19	0.0	-6.53	2.04	-0.10	2.47e-03	-0.06	1.09
		1.09	-0.06	-3.57e-04	0.0	60.0	-6.53	1.85	-0.10	2.47e-03	-0.04	2.26
444	176	-0.14	0.06	1.55e-03	-0.19	0.0	-0.57	-1.95	0.05	-6.78e-03	0.06	-0.14

		-1.36	0.02	4.14e-04	0.0	60.0	-0.57	-2.14	0.05	-6.78e-03	0.02	-1.36
444	179	2.62	-0.02	-1.69e-03	-0.19	0.0	-6.51	2.45	-0.06	2.23e-03	-0.06	1.22
		1.22	-0.06	-3.95e-04	0.0	60.0	-6.51	2.26	-0.06	2.23e-03	-0.02	2.62
444	197	0.70	0.18	3.75e-04	-0.19	0.0	-3.68	0.32	0.46	-7.58e-03	-0.07	0.58
		0.58	-0.07	2.00e-05	0.0	60.0	-3.68	0.14	0.46	-7.58e-03	0.18	0.70
444	198	0.56	0.07	-5.11e-04	-0.19	0.0	-3.40	0.17	-0.46	3.03e-03	0.07	0.50
		0.50	-0.19	-1.30e-06	0.0	60.0	-3.40	-0.02	-0.46	3.03e-03	-0.19	0.56
444	204	-0.11	0.06	1.79e-03	-0.19	0.0	-0.02	-1.86	0.11	-7.62e-03	0.06	-0.11
		-1.29	0.04	4.36e-04	0.0	60.0	-0.02	-2.05	0.11	-7.62e-03	0.04	-1.29
444	207	2.55	-0.05	-1.93e-03	-0.19	0.0	-7.06	2.36	-0.12	3.07e-03	-0.06	1.19
		1.19	-0.06	-4.17e-04	0.0	60.0	-7.06	2.17	-0.12	3.07e-03	-0.05	2.55
444	216	-0.27	0.06	6.66e-05	-0.19	0.0	-0.30	-2.38	0.05	-6.84e-03	0.06	-0.27
		-1.74	0.02	5.30e-04	0.0	60.0	-0.30	-2.57	0.05	-6.84e-03	0.02	-1.74
444	219	3.00	-0.03	-2.02e-04	-0.19	0.0	-6.78	2.87	-0.06	2.29e-03	-0.07	1.34
		1.34	-0.07	-5.12e-04	0.0	60.0	-6.78	2.68	-0.06	2.29e-03	-0.03	3.00
444	229	0.72	0.21	4.43e-04	-0.19	0.0	-3.72	0.35	0.54	-8.38e-03	-0.09	0.59
		0.59	-0.09	1.80e-05	0.0	60.0	-3.72	0.16	0.54	-8.38e-03	0.21	0.72
444	230	0.54	0.08	-5.78e-04	-0.19	0.0	-3.36	0.15	-0.54	3.83e-03	0.08	0.49
		0.49	-0.22	2.29e-06	0.0	60.0	-3.36	-0.04	-0.54	3.83e-03	-0.22	0.53
445	18	0.73	0.02	1.71e-04	-0.24	0.0	-1.12	-0.25	-0.19	2.78e-03	0.02	0.73
		0.51	-0.09	1.14e-05	0.0	60.0	-1.12	-0.49	-0.19	2.78e-03	-0.09	0.51
445	19	0.53	0.02	1.01e-04	-0.19	0.0	-0.59	-0.14	-0.19	1.95e-03	0.02	0.53
		0.39	-0.09	1.53e-05	0.0	60.0	-0.59	-0.33	-0.19	1.95e-03	-0.09	0.39
445	27	0.75	0.09	1.86e-04	-0.24	0.0	-1.52	-0.25	0.22	3.59e-03	-0.04	0.75
		0.52	-0.04	-2.54e-05	0.0	60.0	-1.52	-0.50	0.22	3.59e-03	0.09	0.52
445	36	0.53	0.10	1.15e-04	-0.19	0.0	-0.99	-0.18	0.22	1.36e-03	-0.03	0.53
		0.37	-0.03	-2.17e-05	0.0	60.0	-0.99	-0.37	0.22	1.36e-03	0.10	0.37
445	44	0.73	0.16	1.79e-04	-0.24	0.0	-1.55	-0.26	0.37	3.01e-03	-0.06	0.73
		0.50	-0.06	-3.79e-05	0.0	60.0	-1.55	-0.50	0.37	3.01e-03	0.16	0.50
445	45	0.54	0.17	1.10e-04	-0.19	0.0	-1.02	-0.15	0.37	2.18e-03	-0.05	0.54
		0.39	-0.05	-3.40e-05	0.0	60.0	-1.02	-0.34	0.37	2.18e-03	0.17	0.39
445	72	0.54	0.01	1.05e-04	-0.19	0.0	-0.68	-0.15	-0.13	2.00e-03	0.01	0.54
		0.39	-0.06	9.70e-06	0.0	60.0	-0.68	-0.33	-0.13	2.00e-03	-0.06	0.39
445	75	0.56	0.01	1.27e-04	-0.19	0.0	-0.84	-0.18	-0.13	2.12e-03	0.01	0.56
		0.39	-0.06	7.59e-06	0.0	60.0	-0.84	-0.37	-0.13	2.12e-03	-0.06	0.39
445	79	0.57	0.06	1.37e-04	-0.19	0.0	-1.11	-0.19	0.15	2.66e-03	-0.03	0.57
		0.40	-0.03	-1.69e-05	0.0	60.0	-1.11	-0.37	0.15	2.66e-03	0.06	0.40
445	81	0.53	0.06	1.14e-04	-0.19	0.0	-0.94	-0.17	0.15	1.60e-03	-0.02	0.53
		0.37	-0.02	-1.50e-05	0.0	60.0	-0.94	-0.36	0.15	1.60e-03	0.06	0.37
445	85	0.54	0.11	1.11e-04	-0.19	0.0	-0.96	-0.15	0.25	2.15e-03	-0.04	0.54
		0.39	-0.04	-2.32e-05	0.0	60.0	-0.96	-0.34	0.25	2.15e-03	0.11	0.39
445	88	0.56	0.11	1.32e-04	-0.19	0.0	-1.13	-0.19	0.25	2.27e-03	-0.04	0.56
		0.39	-0.04	-2.53e-05	0.0	60.0	-1.13	-0.38	0.25	2.27e-03	0.11	0.39
445	98	0.56	-4.21e-03	1.27e-04	-0.19	0.0	-0.95	-0.17	-2.36e-03	2.45e-03	-4.21e-03	0.56
		0.40	-5.63e-03	-2.89e-06	0.0	60.0	-0.95	-0.36	-2.36e-03	2.45e-03	-5.63e-03	0.40
445	99	0.54	-3.37e-03	1.09e-04	-0.19	0.0	-0.81	-0.15	-1.75e-03	1.96e-03	-3.37e-03	0.54
		0.39	-4.42e-03	-1.22e-06	0.0	60.0	-0.81	-0.34	-1.75e-03	1.96e-03	-4.42e-03	0.39
445	102	0.54	1.24e-04	1.07e-04	-0.19	0.0	-0.78	-0.15	-0.03	2.05e-03	1.24e-04	0.54
		0.39	-0.02	1.06e-06	0.0	60.0	-0.78	-0.34	-0.03	2.05e-03	-0.02	0.39
445	103	0.56	-6.72e-04	1.24e-04	-0.19	0.0	-0.90	-0.17	-0.03	2.38e-03	-6.72e-04	0.56
		0.40	-0.02	0.0	0.0	60.0	-0.90	-0.36	-0.03	2.38e-03	-0.02	0.40
445	104	0.54	0.02	1.08e-04	-0.19	0.0	-0.83	-0.15	0.05	2.08e-03	-0.01	0.54
		0.39	-0.01	-5.51e-06	0.0	60.0	-0.83	-0.34	0.05	2.08e-03	0.02	0.39
445	105	0.56	0.02	1.25e-04	-0.19	0.0	-0.96	-0.17	0.05	2.41e-03	-0.01	0.56
		0.40	-0.01	-7.04e-06	0.0	60.0	-0.96	-0.36	0.05	2.41e-03	0.02	0.40
445	106	0.54	-3.28e-03	1.08e-04	-0.19	0.0	-0.80	-0.15	-1.75e-03	2.07e-03	-3.28e-03	0.54
		0.39	-4.33e-03	-1.10e-06	0.0	60.0	-0.80	-0.34	-1.75e-03	2.07e-03	-4.33e-03	0.39
445	107	0.56	-4.08e-03	1.24e-04	-0.19	0.0	-0.93	-0.17	-2.27e-03	2.39e-03	-4.08e-03	0.56
		0.40	-5.44e-03	-2.63e-06	0.0	60.0	-0.93	-0.36	-2.27e-03	2.39e-03	-5.44e-03	0.40
445	109	0.78	-0.02	7.46e-05	-0.19	0.0	-0.18	-0.36	-0.05	-2.20e-03	-0.04	0.78
		0.51	-0.04	3.30e-04	0.0	60.0	-0.18	-0.55	-0.05	-2.20e-03	-0.02	0.51
445	110	0.33	0.03	1.74e-04	-0.19	0.0	-1.67	0.02	0.04	6.99e-03	0.03	0.33
		0.29	0.01	-3.35e-04	0.0	60.0	-1.67	-0.16	0.04	6.99e-03	0.01	0.29
445	112	0.77	-0.02	6.90e-05	-0.19	0.0	0.17	-0.36	-0.18	-2.11e-03	-0.02	0.77
		0.50	-0.08	3.25e-04	0.0	60.0	0.17	-0.55	-0.18	-2.11e-03	-0.08	0.50
445	115	0.34	0.07	1.79e-04	-0.19	0.0	-2.02	0.02	0.18	6.90e-03	0.01	0.34
		0.29	0.01	-3.31e-04	0.0	60.0	-2.02	-0.16	0.18	6.90e-03	0.07	0.29
445	124	0.53	0.03	8.81e-05	-0.19	0.0	-0.14	-0.16	-0.33	-2.02e-03	0.03	0.53
		0.36	-0.15	4.21e-05	0.0	60.0	-0.14	-0.35	-0.33	-2.02e-03	-0.15	0.36
445	127	0.58	0.14	1.60e-04	-0.19	0.0	-1.71	-0.17	0.32	6.80e-03	-0.04	0.58
		0.43	-0.04	-4.74e-05	0.0	60.0	-1.71	-0.36	0.32	6.80e-03	0.14	0.43
445	141	0.81	-0.03	6.84e-05	-0.19	0.0	-0.09	-0.39	-0.05	-2.77e-03	-0.04	0.81
		0.52	-0.04	3.72e-04	0.0	60.0	-0.09	-0.58	-0.05	-2.77e-03	-0.03	0.52
445	142	0.31	0.04	1.80e-04	-0.19	0.0	-1.77	0.05	0.05	7.56e-03	0.04	0.31
		0.27	0.01	-3.78e-04	0.0	60.0	-1.77	-0.14	0.05	7.56e-03	0.01	0.27

445	144	0.80	-0.02	6.21e-05	-0.19	0.0	0.30	-0.39	-0.21	-2.67e-03	-0.02	0.80
		0.52	-0.09	3.67e-04	0.0	60.0	0.30	-0.58	-0.21	-2.67e-03	-0.09	0.52
445	147	0.31	0.08	1.86e-04	-0.19	0.0	-2.16	0.05	0.20	7.45e-03	0.01	0.31
		0.28	0.01	-3.72e-04	0.0	60.0	-2.16	-0.14	0.20	7.45e-03	0.08	0.28
445	156	0.52	0.04	8.34e-05	-0.19	0.0	-0.05	-0.16	-0.37	-2.56e-03	0.04	0.52
		0.36	-0.17	4.72e-05	0.0	60.0	-0.05	-0.35	-0.37	-2.56e-03	-0.17	0.36
445	159	0.59	0.16	1.65e-04	-0.19	0.0	-1.81	-0.18	0.36	7.35e-03	-0.05	0.59
		0.44	-0.05	-5.25e-05	0.0	60.0	-1.81	-0.36	0.36	7.35e-03	0.16	0.44
445	173	0.81	-0.02	7.02e-05	-0.19	0.0	-0.09	-0.39	-0.05	-2.41e-03	-0.04	0.81
		0.52	-0.04	3.68e-04	0.0	60.0	-0.09	-0.58	-0.05	-2.41e-03	-0.02	0.52
445	174	0.31	0.04	1.78e-04	-0.19	0.0	-1.77	0.05	0.04	7.20e-03	0.04	0.31
		0.27	0.01	-3.73e-04	0.0	60.0	-1.77	-0.14	0.04	7.20e-03	0.01	0.27
445	176	0.80	-0.02	6.42e-05	-0.19	0.0	0.30	-0.39	-0.20	-2.31e-03	-0.02	0.80
		0.52	-0.09	3.62e-04	0.0	60.0	0.30	-0.58	-0.20	-2.31e-03	-0.09	0.52
445	179	0.31	0.08	1.84e-04	-0.19	0.0	-2.15	0.05	0.19	7.09e-03	0.01	0.31
		0.28	0.01	-3.68e-04	0.0	60.0	-2.15	-0.14	0.19	7.09e-03	0.08	0.28
445	188	0.53	0.04	8.31e-05	-0.19	0.0	-0.07	-0.16	-0.36	-2.33e-03	0.04	0.53
		0.36	-0.16	4.12e-05	0.0	60.0	-0.07	-0.35	-0.36	-2.33e-03	-0.16	0.36
445	191	0.59	0.15	1.65e-04	-0.19	0.0	-1.79	-0.18	0.36	7.12e-03	-0.05	0.59
		0.43	-0.05	-4.65e-05	0.0	60.0	-1.79	-0.36	0.36	7.12e-03	0.15	0.43
445	205	0.85	-0.03	6.17e-05	-0.19	0.0	0.06	-0.43	-0.05	-3.04e-03	-0.05	0.85
		0.54	-0.05	4.30e-04	0.0	60.0	0.06	-0.61	-0.05	-3.04e-03	-0.03	0.54
445	206	0.27	0.04	1.87e-04	-0.19	0.0	-1.92	0.09	0.05	7.83e-03	0.04	0.26
		0.25	0.01	-4.36e-04	0.0	60.0	-1.92	-0.10	0.05	7.83e-03	0.01	0.25
445	208	0.85	-0.02	5.47e-05	-0.19	0.0	0.51	-0.43	-0.23	-2.92e-03	-0.02	0.85
		0.54	-0.10	4.24e-04	0.0	60.0	0.51	-0.62	-0.23	-2.92e-03	-0.10	0.54
445	211	0.28	0.09	1.94e-04	-0.19	0.0	-2.37	0.09	0.22	7.71e-03	0.01	0.27
		0.26	0.01	-4.29e-04	0.0	60.0	-2.37	-0.10	0.22	7.71e-03	0.09	0.26
445	220	0.52	0.05	7.56e-05	-0.19	0.0	0.08	-0.16	-0.42	-3.04e-03	0.05	0.52
		0.36	-0.19	4.49e-05	0.0	60.0	0.08	-0.35	-0.42	-3.04e-03	-0.19	0.36
445	223	0.59	0.18	1.73e-04	-0.19	0.0	-1.93	-0.18	0.42	7.83e-03	-0.05	0.59
		0.44	-0.05	-5.02e-05	0.0	60.0	-1.93	-0.37	0.42	7.83e-03	0.18	0.44
446	18	1.52	2.97e-04	-5.27e-04	-0.98	0.0	0.08	1.74	-2.77e-03	-0.13	2.97e-04	-1.48
		-1.48	-6.36e-03	-1.16e-06	0.0	240.0	0.08	0.76	-2.77e-03	-0.13	-6.36e-03	1.52
446	19	1.08	1.41e-03	-3.10e-04	-0.75	0.0	0.20	1.24	-3.17e-03	-0.13	1.41e-03	-1.00
		-1.00	-6.19e-03	-7.37e-06	0.0	240.0	0.20	0.49	-3.17e-03	-0.13	-6.19e-03	1.08
446	28	1.70	7.11e-03	-5.98e-04	-0.98	0.0	-0.71	1.91	4.69e-03	0.16	-4.14e-03	-1.70
		-1.70	-4.14e-03	2.02e-05	0.0	240.0	-0.71	0.93	4.69e-03	0.16	7.11e-03	1.70
446	44	1.71	0.01	-5.72e-04	-0.98	0.0	-0.93	1.91	7.25e-03	0.26	-5.26e-03	-1.70
		-1.70	-5.26e-03	2.31e-05	0.0	240.0	-0.93	0.93	7.25e-03	0.26	0.01	1.71
446	45	1.26	0.01	-3.55e-04	-0.75	0.0	-0.81	1.41	6.86e-03	0.26	-4.15e-03	-1.22
		-1.22	-4.15e-03	1.69e-05	0.0	240.0	-0.81	0.66	6.86e-03	0.26	0.01	1.26
446	72	1.11	6.28e-04	-3.24e-04	-0.75	0.0	0.05	1.27	-2.01e-03	-0.09	6.28e-04	-1.04
		-1.04	-4.20e-03	-2.42e-06	0.0	240.0	0.05	0.52	-2.01e-03	-0.09	-4.20e-03	1.11
446	75	1.17	1.30e-04	-3.91e-04	-0.75	0.0	0.03	1.33	-1.83e-03	-0.09	1.30e-04	-1.13
		-1.13	-4.26e-03	0.0	0.0	240.0	0.03	0.58	-1.83e-03	-0.09	-4.26e-03	1.17
446	80	1.28	4.72e-03	-4.39e-04	-0.75	0.0	-0.50	1.44	3.14e-03	0.11	-2.83e-03	-1.28
		-1.28	-2.83e-03	1.43e-05	0.0	240.0	-0.50	0.69	3.14e-03	0.11	4.72e-03	1.28
446	85	1.23	8.13e-03	-3.55e-04	-0.75	0.0	-0.62	1.38	4.67e-03	0.17	-3.08e-03	-1.19
		-1.19	-3.08e-03	1.38e-05	0.0	240.0	-0.62	0.63	4.67e-03	0.17	8.13e-03	1.23
446	88	1.29	8.07e-03	-4.21e-04	-0.75	0.0	-0.65	1.44	4.85e-03	0.17	-3.58e-03	-1.27
		-1.27	-3.58e-03	1.62e-05	0.0	240.0	-0.65	0.69	4.85e-03	0.17	8.07e-03	1.29
446	102	1.15	-5.20e-04	-3.35e-04	-0.75	0.0	-0.18	1.31	-2.01e-04	-0.02	-5.20e-04	-1.09
		-1.09	-1.00e-03	5.09e-06	0.0	240.0	-0.18	0.56	-2.01e-04	-0.02	-1.00e-03	1.15
446	104	1.18	1.47e-03	-3.41e-04	-0.75	0.0	-0.32	1.33	1.14e-03	0.04	-1.26e-03	-1.12
		-1.12	-1.26e-03	8.33e-06	0.0	240.0	-0.32	0.58	1.14e-03	0.04	1.47e-03	1.18
446	105	1.22	1.43e-03	-3.90e-04	-0.75	0.0	-0.33	1.38	1.25e-03	0.04	-1.58e-03	-1.19
		-1.19	-1.58e-03	9.96e-06	0.0	240.0	-0.33	0.63	1.25e-03	0.04	1.43e-03	1.22
446	106	1.16	-2.01e-04	-3.38e-04	-0.75	0.0	-0.24	1.32	2.52e-04	8.76e-04	-8.07e-04	-1.11
		-1.11	-8.07e-04	6.97e-06	0.0	240.0	-0.24	0.57	2.52e-04	8.76e-04	-2.01e-04	1.16
446	107	1.21	-2.38e-04	-3.87e-04	-0.75	0.0	-0.25	1.37	3.68e-04	1.12e-03	-1.12e-03	-1.18
		-1.18	-1.12e-03	8.60e-06	0.0	240.0	-0.25	0.62	3.68e-04	1.12e-03	-2.38e-04	1.21
446	109	11.46	1.38e-03	1.37e-03	-0.75	0.0	-0.10	-8.03	-8.65e-05	-2.97e-04	1.38e-03	11.46
		-8.72	1.35e-03	1.17e-03	0.0	240.0	-0.10	-8.78	-8.65e-05	-2.97e-04	1.35e-03	-8.72
446	110	11.13	-1.83e-03	-2.14e-03	-0.75	0.0	-0.40	10.77	8.23e-04	2.55e-03	-1.83e-03	-13.82
		-13.82	-3.63e-03	-1.16e-03	0.0	240.0	-0.40	10.02	8.23e-04	2.55e-03	-1.83e-03	11.13
446	116	8.57	3.31e-03	1.55e-04	-0.75	0.0	0.75	-5.88	-8.85e-04	1.40e-03	3.31e-03	8.57
		-6.44	1.02e-03	1.17e-03	0.0	240.0	0.75	-6.63	-8.85e-04	1.40e-03	1.02e-03	-6.44
446	119	8.86	-1.50e-03	-9.26e-04	-0.75	0.0	-1.25	8.62	1.62e-03	8.46e-04	-5.55e-03	-10.93
		-10.93	-5.55e-03	-1.15e-03	0.0	240.0	-1.25	7.87	1.62e-03	8.46e-04	-1.50e-03	8.86
446	124	1.53	2.95e-03	2.20e-04	-0.75	0.0	1.48	1.68	-1.11e-03	-0.03	2.95e-03	-1.59
		-1.59	-3.06e-04	2.48e-04	0.0	240.0	1.48	0.93	-1.11e-03	-0.03	-3.06e-04	1.53
446	127	0.88	-1.71e-04	-9.94e-04	-0.75	0.0	-1.98	1.06	1.85e-03	0.03	-5.19e-03	-0.76
		-0.76	-5.19e-03	-2.31e-04	0.0	240.0	-1.98	0.31	1.85e-03	0.03	-1.71e-04	0.88
446	141	13.07	1.70e-03	1.59e-03	-0.75	0.0	-0.08	-9.23	-1.45e-04	-4.81e-04	1.70e-03	13.07

		-9.98	1.56e-03	1.32e-03	0.0	240.0	-0.08	-9.98	-1.45e-04	-4.81e-04	1.56e-03	-9.98
446	142	12.39	-2.03e-03	-2.36e-03	-0.75	0.0	-0.42	11.97	8.82e-04	2.73e-03	-3.95e-03	-15.42
		-15.42	-3.95e-03	-1.31e-03	0.0	240.0	-0.42	11.21	8.82e-04	2.73e-03	-2.03e-03	12.39
446	148	9.86	3.89e-03	2.24e-04	-0.75	0.0	0.87	-6.84	-1.05e-03	1.37e-03	3.89e-03	9.86
		-7.46	1.19e-03	1.32e-03	0.0	240.0	0.87	-7.59	-1.05e-03	1.37e-03	1.19e-03	-7.46
446	151	9.87	-1.67e-03	-9.97e-04	-0.75	0.0	-1.37	9.58	1.78e-03	8.74e-04	-6.13e-03	-12.22
		-12.22	-6.13e-03	-1.30e-03	0.0	240.0	-1.37	8.83	1.78e-03	8.74e-04	-1.67e-03	9.87
446	164	6.98	2.56e-03	3.51e-04	-0.75	0.0	1.70	-4.70	-1.11e-03	-0.05	2.56e-03	6.98
		-5.20	-5.98e-04	6.00e-04	0.0	240.0	1.70	-5.45	-1.11e-03	-0.05	-5.98e-04	-5.20
446	167	7.61	1.21e-04	-1.12e-03	-0.75	0.0	-2.20	7.44	1.85e-03	0.05	-4.80e-03	-9.34
		-9.34	-4.80e-03	-5.83e-04	0.0	240.0	-2.20	6.69	1.85e-03	0.05	1.21e-04	7.61
446	173	13.15	1.73e-03	1.53e-03	-0.75	0.0	-0.07	-9.29	-1.56e-04	-2.86e-04	1.73e-03	13.15
		-10.04	1.57e-03	1.31e-03	0.0	240.0	-0.07	-10.04	-1.56e-04	-2.86e-04	1.57e-03	-10.04
446	174	12.46	-2.04e-03	-2.30e-03	-0.75	0.0	-0.43	12.03	8.92e-04	2.53e-03	-3.98e-03	-15.50
		-15.50	-3.98e-03	-1.29e-03	0.0	240.0	-0.43	11.27	8.92e-04	2.53e-03	-2.04e-03	12.46
446	180	10.31	4.03e-03	2.46e-04	-0.75	0.0	0.88	-7.17	-1.08e-03	7.42e-04	4.03e-03	10.31
		-7.81	1.25e-03	1.33e-03	0.0	240.0	0.88	-7.93	-1.08e-03	7.42e-04	1.25e-03	-7.81
446	183	10.22	-1.73e-03	-1.02e-03	-0.75	0.0	-1.38	9.91	1.81e-03	1.51e-03	-6.27e-03	-12.67
		-12.67	-6.27e-03	-1.32e-03	0.0	240.0	-1.38	9.16	1.81e-03	1.51e-03	-1.73e-03	10.22
446	196	7.11	2.59e-03	3.39e-04	-0.75	0.0	1.67	-4.80	-1.11e-03	-0.05	2.59e-03	7.11
		-5.30	-5.82e-04	6.11e-04	0.0	240.0	1.67	-5.55	-1.11e-03	-0.05	-5.82e-04	-5.30
446	199	7.72	1.06e-04	-1.11e-03	-0.75	0.0	-2.18	7.54	1.84e-03	0.05	-4.84e-03	-9.47
		-9.47	-4.84e-03	-5.94e-04	0.0	240.0	-2.18	6.79	1.84e-03	0.05	1.06e-04	7.72
446	212	12.76	5.06e-03	3.78e-04	-0.75	0.0	1.08	-9.00	-1.36e-03	5.87e-04	5.06e-03	12.76
		-9.73	1.56e-03	1.60e-03	0.0	240.0	1.08	-9.75	-1.36e-03	5.87e-04	1.56e-03	-9.73
446	213	15.92	2.73e-03	3.35e-04	-0.75	0.0	-0.10	-11.35	-4.20e-04	0.02	2.73e-03	15.92
		-12.22	1.98e-03	1.70e-03	0.0	240.0	-0.10	-12.10	-4.20e-04	0.02	1.98e-03	-12.22
446	214	14.63	-2.46e-03	-1.10e-03	-0.75	0.0	-0.40	14.09	1.16e-03	-0.02	-4.98e-03	-18.28
		-18.28	-4.98e-03	-1.68e-03	0.0	240.0	-0.40	13.34	1.16e-03	-0.02	-2.46e-03	14.63
446	215	12.15	-2.04e-03	-1.15e-03	-0.75	0.0	-1.58	11.74	2.10e-03	1.66e-03	-7.31e-03	-15.12
		-15.12	-7.31e-03	-1.58e-03	0.0	240.0	-1.58	10.98	2.10e-03	1.66e-03	-2.04e-03	12.15
446	228	8.67	3.26e-03	4.60e-04	-0.75	0.0	1.99	-5.96	-1.36e-03	-0.06	3.26e-03	8.67
		-6.53	-6.35e-04	7.26e-04	0.0	240.0	1.99	-6.71	-1.36e-03	-0.06	-6.35e-04	-6.53
446	231	8.94	1.59e-04	-1.23e-03	-0.75	0.0	-2.49	8.70	2.10e-03	0.06	-5.51e-03	-11.03
		-11.03	-5.51e-03	-7.09e-04	0.0	240.0	-2.49	7.94	2.10e-03	0.06	1.59e-04	8.94
447	19	0.76	0.09	6.49e-05	-0.19	0.0	-2.85	-0.10	-0.02	1.95e-03	0.09	0.76
		0.65	0.08	-4.06e-06	0.0	60.0	-2.85	-0.28	-0.02	1.95e-03	0.08	0.65
447	28	1.18	-0.11	1.38e-04	-0.24	0.0	-5.63	-0.25	0.03	3.20e-03	-0.12	1.18
		0.95	-0.12	2.84e-06	0.0	60.0	-5.63	-0.50	0.03	3.20e-03	-0.11	0.95
447	44	1.14	-0.17	1.29e-04	-0.24	0.0	-5.35	-0.23	0.04	3.01e-03	-0.20	1.14
		0.93	-0.20	6.51e-06	0.0	60.0	-5.35	-0.47	0.04	3.01e-03	-0.17	0.93
447	72	0.77	0.06	6.85e-05	-0.19	0.0	-2.99	-0.10	-0.01	2.00e-03	0.06	0.77
		0.65	0.05	-2.77e-06	0.0	60.0	-2.99	-0.29	-0.01	2.00e-03	0.05	0.65
447	80	0.89	-0.07	1.00e-04	-0.19	0.0	-4.12	-0.18	0.02	2.40e-03	-0.08	0.89
		0.72	-0.08	1.97e-06	0.0	60.0	-4.12	-0.37	0.02	2.40e-03	-0.07	0.72
447	88	0.86	-0.11	9.37e-05	-0.19	0.0	-3.94	-0.16	0.03	2.27e-03	-0.13	0.86
		0.70	-0.13	4.43e-06	0.0	60.0	-3.94	-0.35	0.03	2.27e-03	-0.11	0.70
447	98	0.85	-3.74e-03	8.87e-05	-0.19	0.0	-3.71	-0.15	3.61e-04	2.45e-03	-3.96e-03	0.85
		0.70	-3.96e-03	-1.40e-06	0.0	60.0	-3.71	-0.34	3.61e-04	2.45e-03	-3.74e-03	0.70
447	102	0.78	9.69e-03	7.06e-05	-0.19	0.0	-3.10	-0.11	-2.62e-03	2.05e-03	9.69e-03	0.78
		0.66	8.12e-03	0.0	0.0	60.0	-3.10	-0.29	-2.62e-03	2.05e-03	8.12e-03	0.66
447	105	0.84	-0.03	8.68e-05	-0.19	0.0	-3.65	-0.15	5.88e-03	2.41e-03	-0.03	0.84
		0.69	-0.03	0.0	0.0	60.0	-3.65	-0.33	5.88e-03	2.41e-03	-0.03	0.69
447	106	0.78	-2.89e-03	7.11e-05	-0.19	0.0	-3.13	-0.11	1.65e-04	2.07e-03	-2.99e-03	0.78
		0.66	-2.99e-03	0.0	0.0	60.0	-3.13	-0.29	1.65e-04	2.07e-03	-2.89e-03	0.66
447	107	0.84	-3.62e-03	8.62e-05	-0.19	0.0	-3.62	-0.15	3.33e-04	2.39e-03	-3.82e-03	0.84
		0.69	-3.82e-03	-1.20e-06	0.0	60.0	-3.62	-0.33	3.33e-04	2.39e-03	-3.62e-03	0.69
447	109	1.60	-0.07	5.04e-05	-0.19	0.0	-6.13	-0.75	-0.03	-2.20e-03	-0.07	1.60
		1.09	-0.09	3.52e-04	0.0	60.0	-6.13	-0.94	-0.03	-2.20e-03	-0.09	1.09
447	110	0.29	0.08	1.22e-04	-0.19	0.0	-1.11	0.46	0.03	6.99e-03	0.08	0.29
		0.08	0.06	-3.55e-04	0.0	60.0	-1.11	0.27	0.03	6.99e-03	0.06	0.08
447	113	1.46	-0.06	4.37e-05	-0.19	0.0	-6.19	-0.64	-0.03	-3.96e-03	-0.06	1.46
		1.02	-0.07	3.23e-04	0.0	60.0	-6.19	-0.83	-0.03	-3.96e-03	-0.07	1.02
447	114	0.37	0.07	1.29e-04	-0.19	0.0	-1.05	0.35	0.03	8.74e-03	0.07	0.37
		0.22	0.05	-3.25e-04	0.0	60.0	-1.05	0.16	0.03	8.74e-03	0.05	0.22
447	125	1.28	-0.10	9.54e-05	-0.19	0.0	-5.05	-0.49	-0.04	3.55e-03	-0.10	1.28
		0.93	-0.13	1.74e-04	0.0	60.0	-5.05	-0.68	-0.04	3.55e-03	-0.13	0.93
447	126	0.45	0.12	7.70e-05	-0.19	0.0	-2.19	0.20	0.05	1.24e-03	0.12	0.45
		0.39	0.09	-1.76e-04	0.0	60.0	-2.19	0.01	0.05	1.24e-03	0.09	0.39
447	141	1.69	-0.08	4.60e-05	-0.19	0.0	-6.45	-0.83	-0.04	-2.77e-03	-0.08	1.69
		1.14	-0.10	3.97e-04	0.0	60.0	-6.45	-1.01	-0.04	-2.77e-03	-0.10	1.14
447	142	0.24	0.09	1.26e-04	-0.19	0.0	-0.79	0.54	0.04	7.56e-03	0.09	0.24
		-0.02	0.07	-3.99e-04	0.0	60.0	-0.79	0.35	0.04	7.56e-03	0.07	-0.02
447	145	1.53	-0.07	3.83e-05	-0.19	0.0	-6.52	-0.70	-0.03	-4.75e-03	-0.07	1.53
		1.06	-0.08	3.63e-04	0.0	60.0	-6.52	-0.89	-0.03	-4.75e-03	-0.08	1.06

447	146	0.33	0.08	1.34e-04	-0.19	0.0	-0.73	0.41	0.03	9.53e-03	0.06	0.14
		0.14	0.06	-3.66e-04	0.0	60.0	-0.73	0.22	0.03	9.53e-03	0.08	0.33
447	157	1.34	-0.11	9.67e-05	-0.19	0.0	-5.24	-0.53	-0.05	3.69e-03	-0.11	1.34
		0.97	-0.14	1.96e-04	0.0	60.0	-5.24	-0.72	-0.05	3.69e-03	-0.14	0.97
447	158	0.42	0.14	7.57e-05	-0.19	0.0	-2.01	0.24	0.05	1.10e-03	0.11	0.33
		0.33	0.11	-1.99e-04	0.0	60.0	-2.01	0.06	0.05	1.10e-03	0.14	0.42
447	173	1.69	-0.07	4.89e-05	-0.19	0.0	-6.46	-0.83	-0.03	-2.41e-03	-0.07	1.69
		1.14	-0.10	3.92e-04	0.0	60.0	-6.46	-1.02	-0.03	-2.41e-03	-0.10	1.14
447	174	0.24	0.09	1.24e-04	-0.19	0.0	-0.79	0.54	0.03	7.20e-03	0.07	-0.02
		-0.02	0.07	-3.94e-04	0.0	60.0	-0.79	0.35	0.03	7.20e-03	0.09	0.24
447	177	1.53	-0.06	4.06e-05	-0.19	0.0	-6.52	-0.70	-0.03	-4.32e-03	-0.06	1.53
		1.06	-0.08	3.55e-04	0.0	60.0	-6.52	-0.89	-0.03	-4.32e-03	-0.08	1.06
447	178	0.33	0.07	1.32e-04	-0.19	0.0	-0.73	0.41	0.03	9.10e-03	0.06	0.14
		0.14	0.06	-3.58e-04	0.0	60.0	-0.73	0.22	0.03	9.10e-03	0.07	0.33
447	189	1.34	-0.11	9.81e-05	-0.19	0.0	-5.26	-0.54	-0.05	3.69e-03	-0.11	1.34
		0.97	-0.14	1.99e-04	0.0	60.0	-5.26	-0.73	-0.05	3.69e-03	-0.14	0.97
447	190	0.42	0.13	7.43e-05	-0.19	0.0	-1.99	0.25	0.05	1.09e-03	0.10	0.33
		0.33	0.10	-2.01e-04	0.0	60.0	-1.99	0.06	0.05	1.09e-03	0.13	0.42
447	209	1.66	-0.07	3.38e-05	-0.19	0.0	-7.03	-0.80	-0.03	-5.26e-03	-0.07	1.66
		1.12	-0.09	4.14e-04	0.0	60.0	-7.03	-0.99	-0.03	-5.26e-03	-0.09	1.12
447	210	0.27	0.08	1.39e-04	-0.19	0.0	-0.22	0.51	0.03	0.01	0.07	0.02
		0.02	0.07	-4.16e-04	0.0	60.0	-0.22	0.32	0.03	0.01	0.08	0.27
447	213	1.85	-0.08	1.81e-05	-0.19	0.0	-6.83	-0.95	9.36e-03	-3.32e-03	-0.08	1.85
		1.22	-0.11	5.07e-04	0.0	60.0	-6.83	-1.14	9.36e-03	-3.32e-03	-0.11	1.22
447	214	0.16	0.10	1.54e-04	-0.19	0.0	-0.42	0.66	-8.69e-03	8.10e-03	0.08	-0.18
		-0.18	0.08	-5.09e-04	0.0	60.0	-0.42	0.47	-8.69e-03	8.10e-03	0.10	0.16
447	221	1.43	-0.13	1.01e-04	-0.19	0.0	-5.57	-0.61	-0.06	3.94e-03	-0.13	1.43
		1.01	-0.17	2.35e-04	0.0	60.0	-5.57	-0.80	-0.06	3.94e-03	-0.17	1.01
447	222	0.37	0.16	7.14e-05	-0.19	0.0	-1.68	0.32	0.06	8.47e-04	0.12	0.24
		0.24	0.12	-2.38e-04	0.0	60.0	-1.68	0.13	0.06	8.47e-04	0.16	0.37
448	7	0.81	1.90e-03	-8.33e-05	-0.19	0.0	3.92	0.45	5.43e-03	-7.35e-03	-1.36e-03	0.60
		0.60	-1.36e-03	-5.78e-06	0.0	60.0	3.92	0.26	5.43e-03	-7.35e-03	1.90e-03	0.81
448	18	1.06	2.91e-03	-9.66e-05	-0.24	0.0	5.17	0.57	8.39e-03	-8.65e-03	-2.12e-03	0.79
		0.79	-2.12e-03	-8.26e-06	0.0	60.0	5.17	0.32	8.39e-03	-8.65e-03	2.91e-03	1.06
448	35	1.10	2.08e-03	-1.08e-04	-0.24	0.0	4.12	0.58	-7.07e-03	-9.31e-03	2.08e-03	0.83
		0.83	-2.16e-03	0.0	0.0	60.0	4.12	0.34	-7.07e-03	-9.31e-03	-2.16e-03	1.10
448	45	0.84	3.78e-03	-6.01e-05	-0.19	0.0	2.29	0.41	-0.01	-4.45e-03	3.78e-03	0.65
		0.65	-4.30e-03	4.68e-06	0.0	60.0	2.29	0.22	-0.01	-4.45e-03	-4.30e-03	0.84
448	67	0.81	1.38e-03	-7.57e-05	-0.19	0.0	3.68	0.44	3.85e-03	-6.54e-03	-9.30e-04	0.61
		0.61	-9.30e-04	-4.34e-06	0.0	60.0	3.68	0.25	3.85e-03	-6.54e-03	1.38e-03	0.81
448	75	0.82	1.97e-03	-7.07e-05	-0.19	0.0	3.84	0.43	5.65e-03	-6.23e-03	-1.42e-03	0.61
		0.61	-1.42e-03	-5.63e-06	0.0	60.0	3.84	0.24	5.65e-03	-6.23e-03	1.97e-03	0.82
448	83	0.84	1.39e-03	-7.83e-05	-0.19	0.0	3.14	0.44	-4.66e-03	-6.67e-03	1.39e-03	0.64
		0.64	-1.41e-03	0.0	0.0	60.0	3.14	0.25	-4.66e-03	-6.67e-03	-1.41e-03	0.84
448	85	0.83	2.49e-03	-6.03e-05	-0.19	0.0	2.59	0.41	-8.75e-03	-4.60e-03	2.49e-03	0.65
		0.65	-2.76e-03	2.64e-06	0.0	60.0	2.59	0.22	-8.75e-03	-4.60e-03	-2.76e-03	0.83
448	98	0.82	4.09e-04	-7.13e-05	-0.19	0.0	3.34	0.43	8.95e-04	-5.95e-03	-1.28e-04	0.62
		0.62	-1.28e-04	-1.91e-06	0.0	60.0	3.34	0.24	8.95e-04	-5.95e-03	4.09e-04	0.82
448	103	0.82	7.05e-04	-6.86e-05	-0.19	0.0	3.40	0.43	1.80e-03	-5.74e-03	-3.74e-04	0.62
		0.62	-3.74e-04	-2.54e-06	0.0	60.0	3.40	0.24	1.80e-03	-5.74e-03	7.05e-04	0.82
448	104	0.82	4.55e-04	-5.74e-05	-0.19	0.0	3.04	0.41	-1.26e-03	-4.53e-03	4.55e-04	0.63
		0.63	-3.02e-04	0.0	0.0	60.0	3.04	0.22	-1.26e-03	-4.53e-03	-3.02e-04	0.82
448	105	0.82	3.92e-04	-6.99e-05	-0.19	0.0	3.20	0.43	-1.02e-03	-5.77e-03	3.92e-04	0.62
		0.62	-2.19e-04	-1.03e-06	0.0	60.0	3.20	0.24	-1.02e-03	-5.77e-03	-2.19e-04	0.82
448	106	0.82	3.11e-04	-5.67e-05	-0.19	0.0	3.15	0.41	6.09e-04	-4.51e-03	-5.43e-05	0.63
		0.63	-5.43e-05	-1.29e-06	0.0	60.0	3.15	0.22	6.09e-04	-4.51e-03	3.11e-04	0.82
448	107	0.82	3.95e-04	-6.92e-05	-0.19	0.0	3.31	0.43	8.54e-04	-5.75e-03	-1.18e-04	0.62
		0.62	-1.18e-04	-1.82e-06	0.0	60.0	3.31	0.24	8.54e-04	-5.75e-03	3.95e-04	0.82
448	112	0.26	1.09e-03	1.39e-03	-0.19	0.0	6.43	-1.95	-2.87e-03	-0.01	1.09e-03	0.26
		-0.96	-6.31e-04	1.97e-04	0.0	60.0	6.43	-2.14	-2.87e-03	-0.01	-6.31e-04	-0.96
448	114	2.27	1.82e-03	-1.51e-03	-0.19	0.0	1.39	2.37	5.88e-03	1.67e-03	-1.70e-03	0.91
		0.91	-1.70e-03	-1.93e-04	0.0	60.0	1.39	2.18	5.88e-03	1.67e-03	1.82e-03	2.27
448	115	2.60	1.42e-03	-1.52e-03	-0.19	0.0	0.19	2.80	4.58e-03	-4.67e-04	-1.33e-03	0.98
		0.98	-1.33e-03	-2.00e-04	0.0	60.0	0.19	2.61	4.58e-03	-4.67e-04	1.42e-03	2.60
448	144	0.21	1.24e-03	1.57e-03	-0.19	0.0	6.83	-2.25	-3.34e-03	-0.01	1.24e-03	0.21
		-1.19	-7.62e-04	2.22e-04	0.0	60.0	6.83	-2.44	-3.34e-03	-0.01	-7.62e-04	-1.19
448	146	2.46	2.00e-03	-1.69e-03	-0.19	0.0	1.15	2.61	6.51e-03	2.59e-03	-1.91e-03	0.95
		0.95	-1.91e-03	-2.17e-04	0.0	60.0	1.15	2.42	6.51e-03	2.59e-03	2.00e-03	2.46
448	147	2.83	1.55e-03	-1.71e-03	-0.19	0.0	-0.21	3.10	5.05e-03	1.90e-04	-1.48e-03	1.03
		1.03	-1.48e-03	-2.25e-04	0.0	60.0	-0.21	2.91	5.05e-03	1.90e-04	1.55e-03	2.83
448	176	0.21	1.25e-03	1.51e-03	-0.19	0.0	6.83	-2.27	-3.38e-03	-0.01	1.25e-03	0.21
		-1.21	-7.72e-04	2.22e-04	0.0	60.0	6.83	-2.46	-3.38e-03	-0.01	-7.72e-04	-1.21
448	178	2.46	2.01e-03	-1.62e-03	-0.19	0.0	1.14	2.62	6.53e-03	2.02e-03	-1.91e-03	0.95
		0.95	-1.91e-03	-2.15e-04	0.0	60.0	1.14	2.43	6.53e-03	2.02e-03	2.01e-03	2.46
448	179	2.84	1.56e-03	-1.64e-03	-0.19	0.0	-0.21	3.12	5.08e-03	-2.88e-04	-1.49e-03	1.03

		1.03	-1.49e-03	-2.25e-04	0.0	60.0	-0.21	2.93	5.08e-03	-2.88e-04	1.56e-03	2.84
448	208	0.14	1.50e-03	1.75e-03	-0.19	0.0	7.46	-2.76	-4.14e-03	-0.01	1.50e-03	0.14
		-1.57	-9.83e-04	2.61e-04	0.0	60.0	7.46	-2.94	-4.14e-03	-0.01	-9.83e-04	-1.57
448	210	2.76	2.29e-03	-1.86e-03	-0.19	0.0	0.75	3.01	7.54e-03	3.06e-03	-2.23e-03	1.01
		1.01	-2.23e-03	-2.51e-04	0.0	60.0	0.75	2.82	7.54e-03	3.06e-03	2.29e-03	2.76
448	211	3.21	1.77e-03	-1.89e-03	-0.19	0.0	-0.84	3.61	5.85e-03	3.87e-04	-1.73e-03	1.10
		1.10	-1.73e-03	-2.65e-04	0.0	60.0	-0.84	3.42	5.85e-03	3.87e-04	1.77e-03	3.21
448	216	0.13	1.49e-03	1.23e-04	-0.19	0.0	7.17	-2.79	-4.16e-03	-0.01	1.49e-03	0.13
		-1.60	-1.00e-03	2.86e-04	0.0	60.0	7.17	-2.98	-4.16e-03	-0.01	-1.00e-03	-1.60
448	218	2.79	2.31e-03	-2.37e-04	-0.19	0.0	1.04	3.04	7.56e-03	2.45e-03	-2.22e-03	1.02
		1.02	-2.22e-03	-2.76e-04	0.0	60.0	1.04	2.85	7.56e-03	2.45e-03	2.31e-03	2.79
448	219	3.24	1.79e-03	-2.61e-04	-0.19	0.0	-0.55	3.64	5.87e-03	-2.19e-04	-1.73e-03	1.11
		1.11	-1.73e-03	-2.90e-04	0.0	60.0	-0.55	3.45	5.87e-03	-2.19e-04	1.79e-03	3.24
449	3	0.72	0.04	-1.24e-04	-0.24	0.0	-3.74	0.44	7.17e-03	-3.41e-03	0.04	0.53
		0.53	0.04	1.71e-05	0.0	60.0	-3.74	0.20	7.17e-03	-3.41e-03	0.04	0.72
449	19	0.53	0.08	-6.66e-05	-0.19	0.0	-2.16	0.30	0.01	-1.66e-03	0.07	0.40
		0.40	0.07	9.81e-06	0.0	60.0	-2.16	0.12	0.01	-1.66e-03	0.08	0.53
449	28	0.70	-0.10	-1.34e-04	-0.24	0.0	-4.04	0.48	-0.01	-3.37e-03	-0.10	0.49
		0.49	-0.10	1.17e-05	0.0	60.0	-4.04	0.24	-0.01	-3.37e-03	-0.10	0.70
449	44	0.69	-0.16	-1.28e-04	-0.24	0.0	-3.93	0.49	-0.02	-3.13e-03	-0.16	0.47
		0.47	-0.17	8.00e-06	0.0	60.0	-3.93	0.24	-0.02	-3.13e-03	-0.17	0.69
449	46	0.51	-0.16	-8.11e-05	-0.19	0.0	-2.64	0.37	-0.02	-1.77e-03	-0.16	0.34
		0.34	-0.17	3.87e-06	0.0	60.0	-2.64	0.18	-0.02	-1.77e-03	-0.17	0.51
449	67	0.55	0.03	-9.13e-05	-0.19	0.0	-2.78	0.34	4.86e-03	-2.50e-03	0.03	0.40
		0.40	0.03	1.22e-05	0.0	60.0	-2.78	0.15	4.86e-03	-2.50e-03	0.03	0.55
449	72	0.53	0.05	-7.01e-05	-0.19	0.0	-2.26	0.31	7.34e-03	-1.75e-03	0.05	0.40
		0.40	0.05	9.43e-06	0.0	60.0	-2.26	0.13	7.34e-03	-1.75e-03	0.05	0.53
449	80	0.54	-0.07	-9.81e-05	-0.19	0.0	-2.99	0.36	-7.01e-03	-2.47e-03	-0.07	0.38
		0.38	-0.07	8.63e-06	0.0	60.0	-2.99	0.18	-7.01e-03	-2.47e-03	-0.07	0.54
449	86	0.51	-0.10	-7.98e-05	-0.19	0.0	-2.58	0.36	-0.01	-1.82e-03	-0.10	0.36
		0.36	-0.11	4.28e-06	0.0	60.0	-2.58	0.17	-0.01	-1.82e-03	-0.11	0.51
449	88	0.53	-0.11	-9.37e-05	-0.19	0.0	-2.91	0.37	-0.01	-2.31e-03	-0.11	0.36
		0.36	-0.11	5.98e-06	0.0	60.0	-2.91	0.18	-0.01	-2.31e-03	-0.11	0.53
449	98	0.54	-3.92e-03	-8.73e-05	-0.19	0.0	-2.72	0.34	7.87e-04	-2.35e-03	-4.39e-03	0.39
		0.39	-4.39e-03	1.04e-05	0.0	60.0	-2.72	0.15	7.87e-04	-2.35e-03	-3.92e-03	0.54
449	102	0.53	7.92e-03	-7.27e-05	-0.19	0.0	-2.36	0.33	1.99e-03	-1.83e-03	6.73e-03	0.39
		0.39	6.73e-03	8.31e-06	0.0	60.0	-2.36	0.14	1.99e-03	-1.83e-03	7.92e-03	0.53
449	104	0.52	-0.02	-7.42e-05	-0.19	0.0	-2.42	0.34	-1.97e-03	-1.88e-03	-0.02	0.38
		0.38	-0.02	6.93e-06	0.0	60.0	-2.42	0.15	-1.97e-03	-1.88e-03	-0.02	0.52
449	105	0.54	-0.02	-8.61e-05	-0.19	0.0	-2.70	0.34	-1.85e-03	-2.30e-03	-0.02	0.39
		0.39	-0.03	8.95e-06	0.0	60.0	-2.70	0.16	-1.85e-03	-2.30e-03	-0.03	0.54
449	106	0.53	-3.00e-03	-7.34e-05	-0.19	0.0	-2.39	0.33	6.52e-04	-1.85e-03	-3.39e-03	0.38
		0.38	-3.39e-03	8.03e-06	0.0	60.0	-2.39	0.14	6.52e-04	-1.85e-03	-3.00e-03	0.53
449	107	0.54	-3.79e-03	-8.53e-05	-0.19	0.0	-2.67	0.34	7.68e-04	-2.28e-03	-4.25e-03	0.39
		0.39	-4.25e-03	1.01e-05	0.0	60.0	-2.67	0.15	7.68e-04	-2.28e-03	-3.79e-03	0.54
449	111	1.03	-0.05	-1.85e-04	-0.19	0.0	-2.56	2.00	-0.02	2.29e-03	-0.07	-0.25
		-0.25	-0.07	-3.15e-04	0.0	60.0	-2.56	1.81	-0.02	2.29e-03	-0.05	1.03
449	115	1.14	-0.06	-1.90e-04	-0.19	0.0	-2.58	2.37	-8.63e-03	2.09e-03	-0.08	-0.25
		-0.25	-0.08	-3.45e-04	0.0	60.0	-2.58	2.18	-8.63e-03	2.09e-03	-0.06	1.14
449	132	0.78	0.12	-2.40e-05	-0.19	0.0	-2.44	-0.82	-0.05	-5.62e-04	0.12	0.78
		0.18	0.08	1.84e-04	0.0	60.0	-2.44	-1.01	-0.05	-5.62e-04	0.08	0.18
449	135	0.90	-0.09	-1.47e-04	-0.19	0.0	-2.90	1.50	0.05	-3.99e-03	-0.12	4.60e-04
		4.60e-04	-0.12	-1.64e-04	0.0	60.0	-2.90	1.32	0.05	-3.99e-03	-0.09	0.90
449	137	0.58	-0.07	-8.78e-05	-0.19	0.0	-3.03	0.42	0.06	-7.09e-03	-0.10	0.34
		0.34	-0.10	4.01e-05	0.0	60.0	-3.03	0.24	0.06	-7.09e-03	-0.07	0.58
449	138	0.49	0.09	-8.29e-05	-0.19	0.0	-2.31	0.26	-0.06	2.53e-03	0.09	0.44
		0.44	0.06	-2.00e-05	0.0	60.0	-2.31	0.07	-0.06	2.53e-03	0.06	0.49
449	143	1.09	-0.06	-1.97e-04	-0.19	0.0	-2.54	2.21	-0.02	2.86e-03	-0.08	-0.33
		-0.33	-0.08	-3.56e-04	0.0	60.0	-2.54	2.02	-0.02	2.86e-03	-0.06	1.09
449	147	1.21	-0.07	-2.04e-04	-0.19	0.0	-2.57	2.63	-9.81e-03	2.64e-03	-0.09	-0.33
		-0.33	-0.09	-3.90e-04	0.0	60.0	-2.57	2.44	-9.81e-03	2.64e-03	-0.07	1.21
449	164	0.83	0.13	-1.61e-05	-0.19	0.0	-2.41	-0.97	-0.05	-3.49e-04	0.13	0.83
		0.13	0.09	2.07e-04	0.0	60.0	-2.41	-1.16	-0.05	-3.49e-04	0.09	0.13
449	167	0.94	-0.10	-1.55e-04	-0.19	0.0	-2.93	1.66	0.05	-4.20e-03	-0.14	-0.05
		-0.05	-0.14	-1.87e-04	0.0	60.0	-2.93	1.47	0.05	-4.20e-03	-0.10	0.94
449	169	0.59	-0.07	-8.81e-05	-0.19	0.0	-3.08	0.43	0.07	-7.68e-03	-0.11	0.33
		0.33	-0.11	4.36e-05	0.0	60.0	-3.08	0.25	0.07	-7.68e-03	-0.07	0.59
449	170	0.49	0.10	-8.25e-05	-0.19	0.0	-2.26	0.25	-0.07	3.12e-03	0.10	0.45
		0.45	0.07	-2.35e-05	0.0	60.0	-2.26	0.06	-0.07	3.12e-03	0.07	0.49
449	175	1.09	-0.06	-1.96e-04	-0.19	0.0	-2.55	2.21	-0.02	2.47e-03	-0.08	-0.33
		-0.33	-0.08	-3.48e-04	0.0	60.0	-2.55	2.03	-0.02	2.47e-03	-0.06	1.09
449	179	1.22	-0.06	-2.04e-04	-0.19	0.0	-2.58	2.64	-8.78e-03	2.23e-03	-0.09	-0.33
		-0.33	-0.09	-3.84e-04	0.0	60.0	-2.58	2.46	-8.78e-03	2.23e-03	-0.06	1.22
449	185	0.95	0.01	2.06e-05	-0.19	0.0	-3.07	-1.51	0.05	-8.44e-03	0.01	0.95
		6.73e-03	6.37e-03	3.82e-04	0.0	60.0	-3.07	-1.70	0.05	-8.44e-03	6.37e-03	6.73e-03

449	186	1.07	-0.01	-1.91e-04	-0.19	0.0	-2.27	2.19	-0.04	3.89e-03	-0.02	-0.17
		-0.17	-0.02	-3.62e-04	0.0	60.0	-2.27	2.00	-0.04	3.89e-03	-0.01	1.07
449	196	0.84	0.13	-1.51e-05	-0.19	0.0	-2.42	-1.00	-0.05	-3.25e-04	0.13	0.84
		0.13	0.09	2.09e-04	0.0	60.0	-2.42	-1.18	-0.05	-3.25e-04	0.09	0.13
449	199	0.95	-0.10	-1.55e-04	-0.19	0.0	-2.92	1.68	0.05	-4.23e-03	-0.14	-0.06
		-0.06	-0.14	-1.89e-04	0.0	60.0	-2.92	1.49	0.05	-4.23e-03	-0.10	0.95
449	217	1.07	0.01	4.27e-05	-0.19	0.0	-3.14	-1.90	0.05	-9.37e-03	0.01	1.07
		-0.11	8.33e-03	4.55e-04	0.0	60.0	-3.14	-2.09	0.05	-9.37e-03	8.33e-03	-0.11
449	218	1.18	-0.02	-2.13e-04	-0.19	0.0	-2.20	2.58	-0.05	4.81e-03	-0.02	-0.29
		-0.29	-0.02	-4.35e-04	0.0	60.0	-2.20	2.39	-0.05	4.81e-03	-0.02	1.18
449	219	1.34	-0.07	-2.41e-04	-0.19	0.0	-2.41	3.09	-9.22e-03	2.29e-03	-0.10	-0.48
		-0.48	-0.10	-5.00e-04	0.0	60.0	-2.41	2.90	-9.22e-03	2.29e-03	-0.07	1.34
449	228	0.92	0.15	-3.40e-06	-0.19	0.0	-2.38	-1.25	-0.06	3.73e-05	0.15	0.92
		0.06	0.10	2.46e-04	0.0	60.0	-2.38	-1.44	-0.06	3.73e-05	0.10	0.06
449	231	1.02	-0.11	-1.68e-04	-0.19	0.0	-2.95	1.93	0.06	-4.59e-03	-0.16	-0.14
		-0.14	-0.16	-2.26e-04	0.0	60.0	-2.95	1.74	0.06	-4.59e-03	-0.11	1.02
450	3	0.72	0.05	2.56e-06	-0.24	0.0	-2.12	-0.06	-0.06	-3.41e-03	0.05	0.72
		0.61	0.01	1.86e-05	0.0	60.0	-2.12	-0.31	-0.06	-3.41e-03	0.01	0.61
450	12	0.53	0.05	1.58e-05	-0.19	0.0	-1.21	-0.06	-0.06	-1.20e-03	0.05	0.53
		0.44	0.01	1.31e-05	0.0	60.0	-1.21	-0.24	-0.06	-1.20e-03	0.01	0.44
450	19	0.54	0.08	2.71e-05	-0.19	0.0	-0.94	-0.05	-0.10	-1.66e-03	0.08	0.54
		0.46	0.02	1.51e-05	0.0	60.0	-0.94	-0.24	-0.10	-1.66e-03	0.02	0.46
450	28	0.72	-0.04	-9.09e-06	-0.24	0.0	-2.52	-0.06	0.11	-3.37e-03	-0.10	0.72
		0.61	-0.10	2.45e-06	0.0	60.0	-2.52	-0.30	0.11	-3.37e-03	-0.04	0.61
450	44	0.71	-0.06	-5.22e-06	-0.24	0.0	-2.43	-0.05	0.19	-3.13e-03	-0.17	0.71
		0.61	-0.17	-8.16e-06	0.0	60.0	-2.43	-0.30	0.19	-3.13e-03	-0.06	0.61
450	67	0.56	0.03	5.52e-06	-0.19	0.0	-1.55	-0.05	-0.04	-2.50e-03	0.03	0.56
		0.47	7.11e-03	1.31e-05	0.0	60.0	-1.55	-0.24	-0.04	-2.50e-03	7.11e-03	0.47
450	69	0.54	0.03	1.60e-05	-0.19	0.0	-1.24	-0.05	-0.04	-1.44e-03	0.03	0.54
		0.45	7.92e-03	1.12e-05	0.0	60.0	-1.24	-0.24	-0.04	-1.44e-03	7.92e-03	0.45
450	72	0.54	0.05	2.36e-05	-0.19	0.0	-1.06	-0.05	-0.06	-1.75e-03	0.05	0.54
		0.46	0.02	1.26e-05	0.0	60.0	-1.06	-0.24	-0.06	-1.75e-03	0.02	0.46
450	80	0.55	-0.02	-3.50e-06	-0.19	0.0	-1.81	-0.04	0.07	-2.47e-03	-0.07	0.55
		0.47	-0.07	2.10e-06	0.0	60.0	-1.81	-0.23	0.07	-2.47e-03	-0.02	0.47
450	88	0.55	-0.04	-1.75e-06	-0.19	0.0	-1.75	-0.04	0.13	-2.31e-03	-0.11	0.55
		0.47	-0.11	-4.71e-06	0.0	60.0	-1.75	-0.23	0.13	-2.31e-03	-0.04	0.47
450	98	0.55	-2.44e-03	8.36e-06	-0.19	0.0	-1.52	-0.04	-1.29e-03	-2.35e-03	-2.44e-03	0.55
		0.47	-3.22e-03	8.84e-06	0.0	60.0	-1.52	-0.23	-1.29e-03	-2.35e-03	-3.22e-03	0.47
450	99	0.54	-1.94e-03	1.88e-05	-0.19	0.0	-1.24	-0.04	-1.00e-03	-1.78e-03	-1.94e-03	0.54
		0.46	-2.54e-03	7.02e-06	0.0	60.0	-1.24	-0.23	-1.00e-03	-1.78e-03	-2.54e-03	0.46
450	102	0.54	9.25e-03	2.07e-05	-0.19	0.0	-1.18	-0.04	-0.01	-1.83e-03	9.25e-03	0.54
		0.46	1.04e-03	7.98e-06	0.0	60.0	-1.18	-0.23	-0.01	-1.83e-03	1.04e-03	0.46
450	105	0.55	-0.01	9.22e-06	-0.19	0.0	-1.51	-0.04	0.02	-2.30e-03	-0.02	0.55
		0.47	-0.02	5.75e-06	0.0	60.0	-1.51	-0.23	0.02	-2.30e-03	-0.01	0.47
450	106	0.54	-1.91e-03	2.00e-05	-0.19	0.0	-1.21	-0.04	-9.84e-04	-1.85e-03	-1.91e-03	0.54
		0.46	-2.50e-03	6.84e-06	0.0	60.0	-1.21	-0.23	-9.84e-04	-1.85e-03	-2.50e-03	0.46
450	107	0.55	-2.37e-03	1.00e-05	-0.19	0.0	-1.47	-0.04	-1.25e-03	-2.28e-03	-2.37e-03	0.55
		0.47	-3.12e-03	8.56e-06	0.0	60.0	-1.47	-0.23	-1.25e-03	-2.28e-03	-3.12e-03	0.47
450	112	0.84	-3.65e-03	9.26e-05	-0.19	0.0	-0.63	-0.36	4.56e-03	-6.65e-03	-6.38e-03	0.84
		0.57	-6.38e-03	3.61e-04	0.0	60.0	-0.63	-0.55	4.56e-03	-6.65e-03	-3.65e-03	0.57
450	115	0.36	1.65e-03	-7.25e-05	-0.19	0.0	-2.32	0.28	-7.06e-03	2.09e-03	1.65e-03	0.36
		0.25	-2.58e-03	-3.44e-04	0.0	60.0	-2.32	0.09	-7.06e-03	2.09e-03	-2.58e-03	0.25
450	132	0.74	0.09	7.59e-05	-0.19	0.0	-0.29	-0.23	-0.09	-5.62e-04	0.09	0.74
		0.55	0.04	1.77e-04	0.0	60.0	-0.29	-0.42	-0.09	-5.62e-04	0.04	0.55
450	133	0.52	-0.05	-1.45e-05	-0.19	0.0	-2.33	-0.03	0.11	-7.21e-03	-0.12	0.52
		0.44	-0.12	3.93e-05	0.0	60.0	-2.33	-0.21	0.11	-7.21e-03	-0.05	0.44
450	134	0.58	0.11	3.45e-05	-0.19	0.0	-0.61	-0.06	-0.11	2.66e-03	0.11	0.58
		0.49	0.04	-2.22e-05	0.0	60.0	-0.61	-0.25	-0.11	2.66e-03	0.04	0.49
450	135	0.39	-0.04	-5.59e-05	-0.19	0.0	-2.66	0.15	0.09	-3.99e-03	-0.10	0.39
		0.36	-0.10	-1.60e-04	0.0	60.0	-2.66	-0.04	0.09	-3.99e-03	-0.04	0.36
450	144	0.88	-3.72e-03	1.03e-04	-0.19	0.0	-0.52	-0.40	5.30e-03	-7.19e-03	-6.90e-03	0.88
		0.59	-6.90e-03	4.06e-04	0.0	60.0	-0.52	-0.59	5.30e-03	-7.19e-03	-3.72e-03	0.59
450	147	0.35	2.16e-03	-8.29e-05	-0.19	0.0	-2.43	0.32	-7.80e-03	2.64e-03	2.16e-03	0.35
		0.22	-2.51e-03	-3.89e-04	0.0	60.0	-2.43	0.13	-7.80e-03	2.64e-03	-2.51e-03	0.22
450	164	0.76	0.10	8.43e-05	-0.19	0.0	-0.14	-0.26	-0.10	-3.49e-04	0.10	0.76
		0.56	0.04	1.99e-04	0.0	60.0	-0.14	-0.45	-0.10	-3.49e-04	0.04	0.56
450	165	0.51	-0.06	-1.76e-05	-0.19	0.0	-2.44	-0.02	0.13	-7.83e-03	-0.13	0.51
		0.44	-0.13	4.26e-05	0.0	60.0	-2.44	-0.21	0.13	-7.83e-03	-0.06	0.44
450	166	0.59	0.13	3.77e-05	-0.19	0.0	-0.51	-0.06	-0.13	3.27e-03	0.13	0.59
		0.50	0.05	-2.55e-05	0.0	60.0	-0.51	-0.25	-0.13	3.27e-03	0.05	0.50
450	167	0.38	-0.05	-6.42e-05	-0.19	0.0	-2.81	0.17	0.10	-4.20e-03	-0.11	0.38
		0.34	-0.11	-1.82e-04	0.0	60.0	-2.81	-0.02	0.10	-4.20e-03	-0.05	0.34
450	176	0.88	-3.34e-03	1.01e-04	-0.19	0.0	-0.53	-0.40	4.20e-03	-6.78e-03	-5.86e-03	0.88
		0.58	-5.86e-03	4.01e-04	0.0	60.0	-0.53	-0.59	4.20e-03	-6.78e-03	-3.34e-03	0.58
450	179	0.35	1.12e-03	-8.09e-05	-0.19	0.0	-2.42	0.32	-6.69e-03	2.23e-03	1.12e-03	0.35

		0.22	-2.89e-03	-3.84e-04	0.0	60.0	-2.42	0.13	-6.69e-03	2.23e-03	-2.89e-03	0.35
450	196	0.76	0.10	8.40e-05	-0.19	0.0	-0.15	-0.26	-0.10	-3.25e-04	0.10	0.76
		0.56	0.04	2.01e-04	0.0	60.0	-0.15	-0.45	-0.10	-3.25e-04	0.04	0.56
450	197	0.51	-0.05	-1.87e-05	-0.19	0.0	-2.43	-0.02	0.12	-7.58e-03	-0.13	0.51
		0.44	-0.13	3.61e-05	0.0	60.0	-2.43	-0.21	0.12	-7.58e-03	-0.05	0.44
450	198	0.59	0.12	3.87e-05	-0.19	0.0	-0.52	-0.07	-0.13	3.03e-03	0.12	0.59
		0.50	0.05	-1.90e-05	0.0	60.0	-0.52	-0.26	-0.13	3.03e-03	0.05	0.50
450	199	0.38	-0.05	-6.39e-05	-0.19	0.0	-2.79	0.17	0.10	-4.23e-03	-0.11	0.33
		0.33	-0.11	-1.84e-04	0.0	60.0	-2.79	-0.01	0.10	-4.23e-03	-0.05	0.38
450	216	0.94	-2.59e-03	1.24e-04	-0.19	0.0	-0.52	-0.47	-0.08	-6.84e-03	-4.59e-03	0.94
		0.61	-4.59e-03	5.16e-04	0.0	60.0	-0.52	-0.66	-0.08	-6.84e-03	-2.59e-03	0.61
450	219	0.32	-1.46e-04	-1.04e-04	-0.19	0.0	-2.43	0.38	0.08	2.29e-03	-1.46e-04	0.15
		0.15	-3.65e-03	-4.99e-04	0.0	60.0	-2.43	0.20	0.08	2.29e-03	-3.65e-03	0.32
450	228	0.80	0.12	9.67e-05	-0.19	0.0	0.07	-0.30	-0.12	3.73e-05	0.12	0.80
		0.57	0.05	2.37e-04	0.0	60.0	0.07	-0.49	-0.12	3.73e-05	0.05	0.57
450	229	0.50	-0.06	-2.41e-05	-0.19	0.0	-2.59	-0.01	0.14	-8.38e-03	-0.15	0.50
		0.43	-0.15	3.70e-05	0.0	60.0	-2.59	-0.20	0.14	-8.38e-03	-0.06	0.43
450	230	0.60	0.14	4.42e-05	-0.19	0.0	-0.36	-0.07	-0.15	3.83e-03	0.14	0.60
		0.50	0.06	-1.99e-05	0.0	60.0	-0.36	-0.26	-0.15	3.83e-03	0.06	0.50
450	231	0.36	-0.05	-7.66e-05	-0.19	0.0	-3.01	0.22	0.12	-4.59e-03	-0.12	0.30
		0.30	-0.12	-2.20e-04	0.0	60.0	-3.01	0.03	0.12	-4.59e-03	-0.05	0.36
451	3	0.65	0.04	-5.01e-05	-0.24	0.0	-3.78	0.15	5.05e-03	5.18e-04	0.04	0.63
		0.63	0.04	1.25e-05	0.0	60.0	-3.78	-0.10	5.05e-03	5.18e-04	0.04	0.64
451	19	0.48	0.08	-3.97e-05	-0.19	0.0	-1.73	0.21	9.94e-03	1.93e-04	0.07	0.41
		0.41	0.07	8.77e-06	0.0	60.0	-1.73	0.02	9.94e-03	1.93e-04	0.08	0.48
451	28	0.64	-0.10	-5.04e-05	-0.24	0.0	-4.37	0.15	-0.01	6.16e-04	-0.10	0.61
		0.61	-0.10	5.79e-06	0.0	60.0	-4.37	-0.10	-0.01	6.16e-04	-0.10	0.62
451	36	0.45	-0.09	-3.99e-05	-0.19	0.0	-2.58	0.20	-0.01	3.60e-04	-0.09	0.38
		0.38	-0.10	2.67e-06	0.0	60.0	-2.58	0.01	-0.01	3.60e-04	-0.10	0.45
451	44	0.62	-0.16	-5.11e-05	-0.24	0.0	-4.20	0.18	-0.02	5.70e-04	-0.16	0.58
		0.58	-0.17	4.12e-06	0.0	60.0	-4.20	-0.06	-0.02	5.70e-04	-0.17	0.61
451	67	0.50	0.03	-3.87e-05	-0.19	0.0	-2.77	0.13	3.32e-03	3.72e-04	0.03	0.47
		0.47	0.03	8.96e-06	0.0	60.0	-2.77	-0.06	3.32e-03	3.72e-04	0.03	0.49
451	72	0.48	0.05	-3.96e-05	-0.19	0.0	-1.92	0.20	6.43e-03	2.26e-04	0.05	0.41
		0.41	0.05	7.83e-06	0.0	60.0	-1.92	0.01	6.43e-03	2.26e-04	0.05	0.48
451	80	0.48	-0.06	-3.90e-05	-0.19	0.0	-3.16	0.13	-9.08e-03	4.38e-04	-0.06	0.46
		0.46	-0.07	4.36e-06	0.0	60.0	-3.16	-0.06	-9.08e-03	4.38e-04	-0.07	0.48
451	81	0.46	-0.06	-3.98e-05	-0.19	0.0	-2.49	0.20	-8.78e-03	3.38e-04	-0.06	0.40
		0.40	-0.07	3.04e-06	0.0	60.0	-2.49	8.52e-03	-8.78e-03	3.38e-04	-0.07	0.46
451	88	0.47	-0.10	-3.94e-05	-0.19	0.0	-3.05	0.15	-0.01	4.07e-04	-0.10	0.44
		0.44	-0.11	3.09e-06	0.0	60.0	-3.05	-0.04	-0.01	4.07e-04	-0.11	0.47
451	98	0.49	-3.57e-03	-3.91e-05	-0.19	0.0	-2.70	0.15	-7.53e-04	3.57e-04	-3.57e-03	0.45
		0.45	-4.02e-03	6.98e-06	0.0	60.0	-2.70	-0.04	-7.53e-04	3.57e-04	-4.02e-03	0.49
451	99	0.47	-2.80e-03	-3.97e-05	-0.19	0.0	-2.20	0.20	-5.33e-04	2.79e-04	-2.80e-03	0.41
		0.41	-3.12e-03	5.69e-06	0.0	60.0	-2.20	0.01	-5.33e-04	2.79e-04	-3.12e-03	0.47
451	102	0.47	7.89e-03	-3.97e-05	-0.19	0.0	-2.12	0.20	8.70e-04	2.59e-04	7.37e-03	0.41
		0.41	7.37e-03	6.01e-06	0.0	60.0	-2.12	0.01	8.70e-04	2.59e-04	7.89e-03	0.47
451	105	0.48	-0.02	-3.93e-05	-0.19	0.0	-2.68	0.16	-3.45e-03	3.48e-04	-0.02	0.44
		0.44	-0.03	5.52e-06	0.0	60.0	-2.68	-0.03	-3.45e-03	3.48e-04	-0.03	0.48
451	106	0.47	-2.76e-03	-3.98e-05	-0.19	0.0	-2.17	0.20	-5.20e-04	2.67e-04	-2.76e-03	0.41
		0.41	-3.07e-03	5.55e-06	0.0	60.0	-2.17	0.01	-5.20e-04	2.67e-04	-3.07e-03	0.47
451	107	0.48	-3.45e-03	-3.92e-05	-0.19	0.0	-2.62	0.16	-7.20e-04	3.44e-04	-3.45e-03	0.44
		0.44	-3.89e-03	6.78e-06	0.0	60.0	-2.62	-0.03	-7.20e-04	3.44e-04	-3.89e-03	0.48
451	112	1.06	0.02	8.48e-05	-0.19	0.0	-1.48	-1.99	-8.90e-03	-5.66e-03	0.02	1.06
		-0.20	0.02	3.57e-04	0.0	60.0	-1.48	-2.18	-8.90e-03	-5.66e-03	0.02	-0.20
451	115	1.17	-0.02	-1.63e-04	-0.19	0.0	-3.76	2.31	7.46e-03	6.35e-03	-0.02	-0.17
		-0.17	-0.03	-3.43e-04	0.0	60.0	-3.76	2.12	7.46e-03	6.35e-03	-0.03	1.17
451	132	0.80	0.08	6.10e-06	-0.19	0.0	-0.95	-1.07	-0.05	1.49e-03	0.08	0.80
		0.08	0.06	1.68e-04	0.0	60.0	-0.95	-1.26	-0.05	1.49e-03	0.06	0.08
451	133	0.52	-0.06	-1.17e-05	-0.19	0.0	-3.87	0.22	0.05	-4.99e-03	-0.09	0.42
		0.42	-0.09	4.40e-05	0.0	60.0	-3.87	0.03	0.05	-4.99e-03	-0.06	0.52
451	134	0.47	0.09	-6.67e-05	-0.19	0.0	-1.37	0.10	-0.05	5.68e-03	0.09	0.47
		0.45	0.05	-3.04e-05	0.0	60.0	-1.37	-0.09	-0.05	5.68e-03	0.05	0.45
451	135	0.89	-0.06	-8.45e-05	-0.19	0.0	-4.29	1.39	0.04	-8.06e-04	-0.09	0.09
		0.09	-0.09	-1.55e-04	0.0	60.0	-4.29	1.20	0.04	-8.06e-04	-0.06	0.89
451	144	1.14	0.02	1.01e-04	-0.19	0.0	-1.34	-2.26	-9.92e-03	-6.41e-03	0.02	1.14
		-0.29	0.02	4.01e-04	0.0	60.0	-1.34	-2.45	-9.92e-03	-6.41e-03	0.02	-0.29
451	147	1.25	-0.03	-1.79e-04	-0.19	0.0	-3.90	2.58	8.48e-03	7.10e-03	-0.03	-0.25
		-0.25	-0.03	-3.88e-04	0.0	60.0	-3.90	2.39	8.48e-03	7.10e-03	-0.03	1.25
451	164	0.85	0.09	1.21e-05	-0.19	0.0	-0.74	-1.23	-0.05	1.64e-03	0.09	0.85
		0.02	0.06	1.89e-04	0.0	60.0	-0.74	-1.42	-0.05	1.64e-03	0.06	0.02
451	165	0.52	-0.07	-8.40e-06	-0.19	0.0	-4.03	0.23	0.05	-5.66e-03	-0.10	0.42
		0.42	-0.10	4.82e-05	0.0	60.0	-4.03	0.04	0.05	-5.66e-03	-0.07	0.52
451	166	0.47	0.10	-7.00e-05	-0.19	0.0	-1.21	0.09	-0.06	6.35e-03	0.10	0.47
		0.44	0.06	-3.46e-05	0.0	60.0	-1.21	-0.10	-0.06	6.35e-03	0.06	0.44

451	167	0.94	-0.07	-9.05e-05	-0.19	0.0	-4.50	1.55	0.05	-9.53e-04	-0.10	0.04
		0.04	-0.10	-1.76e-04	0.0	60.0	-4.50	1.36	0.05	-9.53e-04	-0.07	0.94
451	176	1.14	0.02	1.02e-04	-0.19	0.0	-1.34	-2.28	-0.01	-6.11e-03	0.02	1.14
		-0.29	0.02	3.96e-04	0.0	60.0	-1.34	-2.47	-0.01	-6.11e-03	0.02	-0.29
451	179	1.26	-0.03	-1.80e-04	-0.19	0.0	-3.90	2.60	8.66e-03	6.79e-03	-0.03	-0.25
		-0.25	-0.03	-3.83e-04	0.0	60.0	-3.90	2.41	8.66e-03	6.79e-03	-0.03	1.26
451	196	0.85	0.09	1.41e-05	-0.19	0.0	-0.76	-1.25	-0.05	1.65e-03	0.09	0.85
		0.02	0.06	1.92e-04	0.0	60.0	-0.76	-1.44	-0.05	1.65e-03	0.06	0.02
451	197	0.53	-0.07	-1.03e-05	-0.19	0.0	-4.01	0.24	0.05	-5.47e-03	-0.10	0.41
		0.41	-0.10	4.14e-05	0.0	60.0	-4.01	0.06	0.05	-5.47e-03	-0.07	0.53
451	198	0.48	0.10	-6.81e-05	-0.19	0.0	-1.23	0.07	-0.05	6.16e-03	0.10	0.47
		0.44	0.06	-2.79e-05	0.0	60.0	-1.23	-0.12	-0.05	6.16e-03	0.06	0.44
451	199	0.95	-0.07	-9.25e-05	-0.19	0.0	-4.48	1.57	0.05	-9.63e-04	-0.10	0.04
		0.04	-0.10	-1.79e-04	0.0	60.0	-4.48	1.38	0.05	-9.63e-04	-0.07	0.95
451	216	1.27	0.02	1.40e-04	-0.19	0.0	-1.18	-2.74	-0.01	0.01	0.02	1.27
		-0.44	0.02	5.10e-04	0.0	60.0	-1.18	-2.92	-0.01	0.01	0.02	-0.44
451	219	1.40	-0.03	-2.19e-04	-0.19	0.0	-4.06	3.05	0.01	-0.01	-0.03	-0.38
		-0.38	-0.03	-4.96e-04	0.0	60.0	-4.06	2.87	0.01	-0.01	-0.03	1.40
451	228	0.93	0.11	2.48e-05	-0.19	0.0	-0.45	-1.52	-0.06	1.91e-03	0.11	0.93
		-0.06	0.07	2.27e-04	0.0	60.0	-0.45	-1.71	-0.06	1.91e-03	0.07	-0.06
451	229	0.54	-0.08	-6.65e-06	-0.19	0.0	-4.23	0.27	0.06	-6.42e-03	-0.12	0.40
		0.40	-0.12	4.38e-05	0.0	60.0	-4.23	0.08	0.06	-6.42e-03	-0.08	0.54
451	230	0.48	0.11	-7.19e-05	-0.19	0.0	-1.01	0.05	-0.06	7.11e-03	0.11	0.48
		0.43	0.07	-3.02e-05	0.0	60.0	-1.01	-0.14	-0.06	7.11e-03	0.07	0.43
451	231	1.03	-0.08	-1.03e-04	-0.19	0.0	-4.79	1.84	0.06	-1.23e-03	-0.11	-0.04
		-0.04	-0.11	-2.13e-04	0.0	60.0	-4.79	1.65	0.06	-1.23e-03	-0.08	1.03
452	12	0.56	0.05	5.07e-05	-0.19	0.0	-1.41	-0.09	-0.06	3.06e-04	0.05	0.56
		0.45	0.01	1.06e-05	0.0	60.0	-1.41	-0.28	-0.06	3.06e-04	0.01	0.45
452	19	0.56	0.08	5.18e-05	-0.19	0.0	-0.96	-0.07	-0.10	1.93e-04	0.08	0.56
		0.46	0.02	1.38e-05	0.0	60.0	-0.96	-0.26	-0.10	1.93e-04	0.02	0.46
452	28	0.80	-0.04	7.44e-05	-0.24	0.0	-3.36	-0.15	0.11	6.16e-04	-0.11	0.80
		0.64	-0.11	-5.63e-06	0.0	60.0	-3.36	-0.39	0.11	6.16e-04	-0.04	0.64
452	44	0.78	-0.06	7.16e-05	-0.24	0.0	-3.22	-0.13	0.19	5.70e-04	-0.17	0.78
		0.63	-0.17	-1.52e-05	0.0	60.0	-3.22	-0.38	0.19	5.70e-04	-0.06	0.63
452	69	0.56	0.03	5.12e-05	-0.19	0.0	-1.46	-0.09	-0.04	3.02e-04	0.03	0.56
		0.46	7.14e-03	8.49e-06	0.0	60.0	-1.46	-0.27	-0.04	3.02e-04	7.14e-03	0.46
452	72	0.56	0.05	5.20e-05	-0.19	0.0	-1.16	-0.07	-0.06	2.26e-04	0.05	0.56
		0.46	0.01	1.07e-05	0.0	60.0	-1.16	-0.26	-0.06	2.26e-04	0.01	0.46
452	80	0.60	-0.03	5.62e-05	-0.19	0.0	-2.39	-0.11	0.08	4.38e-04	-0.07	0.60
		0.49	-0.07	-3.31e-06	0.0	60.0	-2.39	-0.29	0.08	4.38e-04	-0.03	0.49
452	88	0.60	-0.04	5.44e-05	-0.19	0.0	-2.29	-0.10	0.13	4.07e-04	-0.12	0.60
		0.48	-0.12	-9.68e-06	0.0	60.0	-2.29	-0.28	0.13	4.07e-04	-0.04	0.48
452	98	0.59	-3.27e-03	5.53e-05	-0.19	0.0	-1.91	-0.09	-8.39e-04	3.57e-04	-3.27e-03	0.59
		0.48	-3.77e-03	4.97e-06	0.0	60.0	-1.91	-0.28	-8.39e-04	3.57e-04	-3.77e-03	0.48
452	99	0.56	-2.69e-03	5.15e-05	-0.19	0.0	-1.46	-0.08	-6.34e-04	2.79e-04	-2.69e-03	0.56
		0.46	-3.07e-03	4.11e-06	0.0	60.0	-1.46	-0.26	-6.34e-04	2.79e-04	-3.07e-03	0.46
452	102	0.56	8.58e-03	5.17e-05	-0.19	0.0	-1.37	-0.07	-0.01	2.59e-04	8.58e-03	0.56
		0.46	5.85e-04	5.33e-06	0.0	60.0	-1.37	-0.26	-0.01	2.59e-04	5.85e-04	0.46
452	105	0.59	-0.01	5.46e-05	-0.19	0.0	-1.90	-0.09	0.02	3.48e-04	-0.03	0.59
		0.48	-0.03	1.85e-06	0.0	60.0	-1.90	-0.28	0.02	3.48e-04	-0.01	0.48
452	106	0.56	-2.58e-03	5.16e-05	-0.19	0.0	-1.42	-0.07	-6.29e-04	2.67e-04	-2.58e-03	0.56
		0.46	-2.96e-03	4.01e-06	0.0	60.0	-1.42	-0.26	-6.29e-04	2.67e-04	-2.96e-03	0.46
452	107	0.59	-3.17e-03	5.48e-05	-0.19	0.0	-1.84	-0.09	-8.09e-04	3.44e-04	-3.17e-03	0.59
		0.48	-3.65e-03	4.83e-06	0.0	60.0	-1.84	-0.28	-8.09e-04	3.44e-04	-3.65e-03	0.48
452	112	0.87	0.01	9.38e-05	-0.19	0.0	-0.58	-0.43	-0.03	-5.66e-03	0.01	0.87
		0.53	1.47e-03	3.52e-04	0.0	60.0	-0.58	-0.62	-0.03	-5.66e-03	1.47e-03	0.53
452	115	0.42	-8.77e-03	1.57e-05	-0.19	0.0	-3.11	0.25	0.03	6.35e-03	-0.02	0.31
		0.31	-0.02	-3.42e-04	0.0	60.0	-3.11	0.07	0.03	6.35e-03	-8.77e-03	0.42
452	124	0.57	0.09	6.33e-05	-0.19	0.0	0.08	-0.08	-0.09	-5.20e-03	0.09	0.57
		0.46	0.03	5.45e-05	0.0	60.0	0.08	-0.27	-0.09	-5.20e-03	0.03	0.46
452	125	0.75	-0.04	6.63e-05	-0.19	0.0	-3.30	-0.29	0.09	1.71e-03	-0.10	0.75
		0.53	-0.10	1.53e-04	0.0	60.0	-3.30	-0.48	0.09	1.71e-03	-0.04	0.53
452	126	0.43	0.09	4.32e-05	-0.19	0.0	-0.38	0.11	-0.09	-1.02e-03	0.09	0.42
		0.42	0.04	-1.44e-04	0.0	60.0	-0.38	-0.08	-0.09	-1.02e-03	0.04	0.42
452	127	0.60	-0.04	4.62e-05	-0.19	0.0	-3.76	-0.10	0.09	5.89e-03	-0.09	0.60
		0.49	-0.09	-4.48e-05	0.0	60.0	-3.76	-0.29	0.09	5.89e-03	-0.04	0.49
452	144	0.90	0.02	9.89e-05	-0.19	0.0	-0.42	-0.48	-0.04	-6.41e-03	0.02	0.90
		0.54	2.11e-03	3.95e-04	0.0	60.0	-0.42	-0.66	-0.04	-6.41e-03	2.11e-03	0.54
452	147	0.41	-9.42e-03	1.06e-05	-0.19	0.0	-3.27	0.30	0.03	7.10e-03	-0.02	0.27
		0.27	-0.02	-3.86e-04	0.0	60.0	-3.27	0.11	0.03	7.10e-03	-9.42e-03	0.41
452	156	0.57	0.10	6.43e-05	-0.19	0.0	0.32	-0.08	-0.10	-5.90e-03	0.10	0.57
		0.46	0.04	6.02e-05	0.0	60.0	0.32	-0.26	-0.10	-5.90e-03	0.04	0.46
452	157	0.78	-0.05	6.79e-05	-0.19	0.0	-3.48	-0.31	0.10	1.88e-03	-0.11	0.78
		0.54	-0.11	1.73e-04	0.0	60.0	-3.48	-0.50	0.10	1.88e-03	-0.05	0.54
452	158	0.42	0.10	4.16e-05	-0.19	0.0	-0.20	0.14	-0.10	-1.19e-03	0.10	0.40

		0.40	0.04	-1.63e-04	0.0	60.0	-0.20	-0.05	-0.10	-1.19e-03	0.04	0.41
452	159	0.61	-0.05	4.53e-05	-0.19	0.0	-4.00	-0.10	0.10	6.59e-03	-0.10	0.61
		0.49	-0.10	-5.05e-05	0.0	60.0	-4.00	-0.29	0.10	6.59e-03	-0.05	0.49
452	176	0.90	0.02	1.04e-04	-0.19	0.0	-0.42	-0.48	-0.03	-6.11e-03	0.02	0.90
		0.54	2.12e-03	3.91e-04	0.0	60.0	-0.42	-0.67	-0.03	-6.11e-03	2.12e-03	0.54
452	179	0.42	-9.42e-03	5.90e-06	-0.19	0.0	-3.26	0.30	0.03	6.79e-03	-0.02	0.27
		0.27	-0.02	-3.81e-04	0.0	60.0	-3.26	0.11	0.03	6.79e-03	-9.42e-03	0.27
452	189	0.77	-0.05	7.05e-05	-0.19	0.0	-3.44	-0.32	0.10	1.89e-03	-0.11	0.77
		0.54	-0.11	1.76e-04	0.0	60.0	-3.44	-0.50	0.10	1.89e-03	-0.05	0.54
452	190	0.42	0.10	3.91e-05	-0.19	0.0	-0.24	0.14	-0.10	-1.21e-03	0.10	0.40
		0.40	0.04	-1.66e-04	0.0	60.0	-0.24	-0.05	-0.10	-1.21e-03	0.04	0.42
452	196	0.78	0.09	8.96e-05	-0.19	0.0	0.28	-0.32	-0.09	1.65e-03	0.09	0.78
		0.46	0.03	1.81e-04	0.0	60.0	0.28	-0.50	-0.09	1.65e-03	0.03	0.46
452	199	0.50	-0.04	1.99e-05	-0.19	0.0	-3.96	0.14	0.09	-9.63e-04	-0.09	0.40
		0.40	-0.09	-1.71e-04	0.0	60.0	-3.96	-0.05	0.09	-9.63e-04	-0.04	0.50
452	216	0.96	0.02	1.25e-04	-0.19	0.0	-0.22	-0.55	-0.04	0.01	0.02	0.96
		0.55	3.26e-03	5.03e-04	0.0	60.0	-0.22	-0.73	-0.04	0.01	3.26e-03	0.55
452	219	0.41	-0.01	-1.59e-05	-0.19	0.0	-3.46	0.37	0.04	-0.01	-0.03	0.22
		0.22	-0.03	-4.94e-04	0.0	60.0	-3.46	0.18	0.04	-0.01	-0.01	0.41
452	221	0.81	-0.06	7.49e-05	-0.19	0.0	-3.69	-0.36	0.11	2.20e-03	-0.12	0.81
		0.55	-0.12	2.08e-04	0.0	60.0	-3.69	-0.55	0.11	2.20e-03	-0.06	0.55
452	222	0.41	0.12	3.47e-05	-0.19	0.0	3.37e-03	0.18	-0.11	-1.51e-03	0.12	0.37
		0.37	0.05	-1.98e-04	0.0	60.0	3.37e-03	-9.84e-03	-0.11	-1.51e-03	0.05	0.41
452	228	0.81	0.10	9.72e-05	-0.19	0.0	0.63	-0.36	-0.11	1.91e-03	0.10	0.81
		0.45	0.04	2.14e-04	0.0	60.0	0.63	-0.55	-0.11	1.91e-03	0.04	0.45
452	231	0.50	-0.05	1.23e-05	-0.19	0.0	-4.31	0.18	0.11	-1.23e-03	-0.11	0.36
		0.36	-0.11	-2.04e-04	0.0	60.0	-4.31	-9.08e-03	0.11	-1.23e-03	-0.05	0.50
453	3	0.75	0.04	2.38e-05	-0.24	0.0	-3.28	-0.13	5.55e-03	3.46e-03	0.04	0.75
		0.60	0.04	3.05e-06	0.0	60.0	-3.28	-0.38	5.55e-03	3.46e-03	0.04	0.60
453	19	0.49	0.08	-1.42e-05	-0.19	0.0	-1.81	0.11	9.67e-03	1.95e-03	0.07	0.47
		0.47	0.07	6.95e-06	0.0	60.0	-1.81	-0.08	9.67e-03	1.95e-03	0.08	0.48
453	28	0.74	-0.10	3.44e-05	-0.24	0.0	-3.58	-0.18	-0.01	3.21e-03	-0.10	0.74
		0.56	-0.10	-6.98e-06	0.0	60.0	-3.58	-0.42	-0.01	3.21e-03	-0.10	0.56
453	38	0.55	-0.09	2.62e-05	-0.19	0.0	-2.73	-0.12	-0.01	1.93e-03	-0.09	0.55
		0.42	-0.10	-6.81e-06	0.0	60.0	-2.73	-0.31	-0.01	1.93e-03	-0.10	0.42
453	44	0.70	-0.16	2.64e-05	-0.24	0.0	-3.45	-0.12	-0.02	3.01e-03	-0.16	0.70
		0.56	-0.17	-1.08e-05	0.0	60.0	-3.45	-0.36	-0.02	3.01e-03	-0.17	0.56
453	67	0.56	0.03	1.36e-05	-0.19	0.0	-2.43	-0.07	3.68e-03	2.57e-03	0.03	0.56
		0.46	0.03	2.32e-06	0.0	60.0	-2.43	-0.26	3.68e-03	2.57e-03	0.03	0.46
453	72	0.49	0.05	-1.03e-05	-0.19	0.0	-1.91	0.09	6.33e-03	2.00e-03	0.05	0.47
		0.47	0.05	5.09e-06	0.0	60.0	-1.91	-0.10	6.33e-03	2.00e-03	0.05	0.47
453	80	0.55	-0.06	2.06e-05	-0.19	0.0	-2.63	-0.10	-8.34e-03	2.40e-03	-0.06	0.55
		0.44	-0.07	-4.36e-06	0.0	60.0	-2.63	-0.29	-8.34e-03	2.40e-03	-0.07	0.44
453	83	0.53	-0.06	1.66e-05	-0.19	0.0	-2.52	-0.07	-8.44e-03	1.98e-03	-0.06	0.53
		0.43	-0.07	-4.09e-06	0.0	60.0	-2.52	-0.25	-8.44e-03	1.98e-03	-0.07	0.43
453	88	0.53	-0.10	1.53e-05	-0.19	0.0	-2.54	-0.06	-0.01	2.27e-03	-0.10	0.53
		0.43	-0.11	-6.92e-06	0.0	60.0	-2.54	-0.25	-0.01	2.27e-03	-0.11	0.43
453	98	0.53	-2.97e-03	8.97e-06	-0.19	0.0	-2.37	-0.03	-3.08e-04	2.45e-03	-2.97e-03	0.53
		0.46	-3.16e-03	0.0	0.0	60.0	-2.37	-0.22	-3.08e-04	2.45e-03	-3.16e-03	0.46
453	101	0.52	-2.92e-03	7.82e-06	-0.19	0.0	-2.33	-0.02	-3.48e-04	2.29e-03	-2.92e-03	0.52
		0.45	-3.13e-03	0.0	0.0	60.0	-2.33	-0.21	-3.48e-04	2.29e-03	-3.13e-03	0.45
453	102	0.48	8.48e-03	-7.52e-06	-0.19	0.0	-2.01	0.08	1.02e-03	2.05e-03	7.87e-03	0.47
		0.46	7.87e-03	2.30e-06	0.0	60.0	-2.01	-0.11	1.02e-03	2.05e-03	8.48e-03	0.46
453	105	0.52	-0.02	7.43e-06	-0.19	0.0	-2.35	-0.02	-2.95e-03	2.41e-03	-0.02	0.52
		0.45	-0.02	0.0	0.0	60.0	-2.35	-0.21	-2.95e-03	2.41e-03	-0.02	0.45
453	106	0.48	-2.25e-03	-6.87e-06	-0.19	0.0	-2.04	0.08	-3.08e-04	2.07e-03	-2.25e-03	0.47
		0.46	-2.44e-03	1.60e-06	0.0	60.0	-2.04	-0.11	-3.08e-04	2.07e-03	-2.44e-03	0.46
453	107	0.52	-2.87e-03	6.72e-06	-0.19	0.0	-2.32	-0.02	-3.08e-04	2.39e-03	-2.87e-03	0.52
		0.46	-3.05e-03	0.0	0.0	60.0	-2.32	-0.20	-3.08e-04	2.39e-03	-3.05e-03	0.46
453	109	1.12	1.13e-03	-4.11e-06	-0.19	0.0	-2.61	-2.04	0.03	-2.20e-03	-0.07	1.12
		-0.18	-0.07	3.40e-04	0.0	60.0	-2.61	-2.23	0.03	-2.20e-03	1.13e-03	-0.18
453	113	1.01	7.84e-03	-1.00e-05	-0.19	0.0	-2.59	-1.68	0.03	-3.96e-03	-0.06	1.01
		-0.18	-0.06	3.12e-04	0.0	60.0	-2.59	-1.86	0.03	-3.96e-03	7.84e-03	-0.18
453	125	0.88	-0.07	3.47e-05	-0.19	0.0	-2.88	-1.17	0.06	3.55e-03	-0.12	0.88
		0.08	-0.12	1.50e-04	0.0	60.0	-2.88	-1.36	0.06	3.55e-03	-0.07	0.08
453	126	0.84	0.11	-2.13e-05	-0.19	0.0	-1.76	1.14	-0.06	1.24e-03	0.11	0.16
		0.16	0.06	-1.48e-04	0.0	60.0	-1.76	0.95	-0.06	1.24e-03	0.06	0.84
453	141	1.20	1.65e-03	-4.84e-06	-0.19	0.0	-2.64	-2.30	0.04	-2.77e-03	-0.08	1.20
		-0.26	-0.08	3.83e-04	0.0	60.0	-2.64	-2.49	0.04	-2.77e-03	1.65e-03	-0.26
453	145	1.07	9.21e-03	-1.21e-05	-0.19	0.0	-2.63	-1.89	0.03	-4.75e-03	-0.07	1.07
		-0.26	-0.07	3.51e-04	0.0	60.0	-2.63	-2.07	0.03	-4.75e-03	9.21e-03	-0.26
453	157	0.93	-0.07	3.84e-05	-0.19	0.0	-2.95	-1.32	0.06	3.69e-03	-0.13	0.93
		0.03	-0.13	1.69e-04	0.0	60.0	-2.95	-1.50	0.06	3.69e-03	-0.07	0.03
453	158	0.89	0.12	-2.50e-05	-0.19	0.0	-1.69	1.28	-0.06	1.10e-03	0.12	0.12
		0.12	0.07	-1.68e-04	0.0	60.0	-1.69	1.10	-0.06	1.10e-03	0.07	0.89

453	173	1.20	7.61e-04	-1.89e-06	-0.19	0.0	-2.63	-2.31	0.04	-2.41e-03	-0.08	1.20
		-0.26	-0.08	3.78e-04	0.0	60.0	-2.63	-2.50	0.04	-2.41e-03	7.61e-04	-0.26
453	177	1.07	8.46e-03	-7.24e-06	-0.19	0.0	-2.62	-1.89	0.03	-4.32e-03	-0.07	1.07
		-0.26	-0.07	3.43e-04	0.0	60.0	-2.62	-2.08	0.03	-4.32e-03	8.46e-03	-0.26
453	189	0.93	-0.07	4.09e-05	-0.19	0.0	-2.94	-1.34	0.06	3.69e-03	-0.13	0.93
		0.02	-0.13	1.72e-04	0.0	60.0	-2.94	-1.52	0.06	3.69e-03	-0.07	0.02
453	190	0.89	0.12	-2.74e-05	-0.19	0.0	-1.70	1.30	-0.06	1.09e-03	0.12	0.89
		0.12	0.07	-1.70e-04	0.0	60.0	-1.70	1.12	-0.06	1.09e-03	0.07	0.12
453	213	1.32	3.64e-04	-3.75e-05	-0.19	0.0	-2.57	-2.76	0.04	-3.31e-03	-0.09	1.32
		-0.41	-0.09	4.91e-04	0.0	60.0	-2.57	-2.95	0.04	-3.31e-03	3.64e-04	-0.41
453	217	1.17	9.47e-03	-4.77e-05	-0.19	0.0	-2.56	-2.25	0.04	-5.53e-03	-0.07	1.17
		-0.41	-0.07	4.48e-04	0.0	60.0	-2.56	-2.44	0.04	-5.53e-03	9.47e-03	-0.41
453	221	1.00	-0.09	4.83e-05	-0.19	0.0	-3.03	-1.58	0.07	3.94e-03	-0.15	1.00
		-0.06	-0.15	2.04e-04	0.0	60.0	-3.03	-1.77	0.07	3.94e-03	-0.09	-0.06
453	222	0.97	0.14	-3.49e-05	-0.19	0.0	-1.60	1.55	-0.07	8.47e-04	0.14	0.97
		0.04	0.08	-2.02e-04	0.0	60.0	-1.60	1.36	-0.07	8.47e-04	0.08	0.04
454	12	0.66	0.05	9.31e-05	-0.19	0.0	-2.14	-0.12	-0.06	1.22e-03	0.05	0.66
		0.53	0.01	5.83e-06	0.0	60.0	-2.14	-0.31	-0.06	1.22e-03	0.01	0.53
454	19	0.65	0.08	8.45e-05	-0.19	0.0	-1.91	-0.10	-0.10	1.95e-03	0.08	0.65
		0.53	0.02	1.13e-05	0.0	60.0	-1.91	-0.29	-0.10	1.95e-03	0.02	0.53
454	28	0.95	-0.04	1.67e-04	-0.24	0.0	-3.83	-0.23	0.11	3.21e-03	-0.11	0.95
		0.75	-0.11	-1.90e-05	0.0	60.0	-3.83	-0.47	0.11	3.21e-03	-0.04	0.75
454	44	0.93	-0.06	1.56e-04	-0.24	0.0	-3.69	-0.21	0.19	3.01e-03	-0.17	0.93
		0.73	-0.17	-2.75e-05	0.0	60.0	-3.69	-0.45	0.19	3.01e-03	-0.06	0.73
454	69	0.66	0.03	9.40e-05	-0.19	0.0	-2.18	-0.12	-0.04	1.51e-03	0.03	0.66
		0.53	6.53e-03	3.58e-06	0.0	60.0	-2.18	-0.31	-0.04	1.51e-03	6.53e-03	0.53
454	72	0.65	0.05	8.82e-05	-0.19	0.0	-2.02	-0.10	-0.06	2.00e-03	0.05	0.65
		0.54	0.01	7.22e-06	0.0	60.0	-2.02	-0.29	-0.06	2.00e-03	0.01	0.54
454	80	0.72	-0.03	1.22e-04	-0.19	0.0	-2.81	-0.16	0.08	2.40e-03	-0.07	0.72
		0.57	-0.07	-1.26e-05	0.0	60.0	-2.81	-0.35	0.08	2.40e-03	-0.03	0.57
454	88	0.70	-0.04	1.15e-04	-0.19	0.0	-2.72	-0.15	0.13	2.27e-03	-0.11	0.70
		0.56	-0.11	-1.82e-05	0.0	60.0	-2.72	-0.34	0.13	2.27e-03	-0.04	0.56
454	98	0.70	-3.74e-03	1.10e-04	-0.19	0.0	-2.51	-0.14	-7.91e-04	2.45e-03	-3.74e-03	0.70
		0.56	-4.21e-03	-2.10e-06	0.0	60.0	-2.51	-0.33	-7.91e-04	2.45e-03	-4.21e-03	0.56
454	99	0.66	-2.96e-03	9.18e-05	-0.19	0.0	-2.17	-0.11	-6.71e-04	1.96e-03	-2.96e-03	0.66
		0.54	-3.37e-03	0.0	0.0	60.0	-2.17	-0.30	-6.71e-04	1.96e-03	-3.37e-03	0.54
454	102	0.66	8.12e-03	9.04e-05	-0.19	0.0	-2.12	-0.10	-0.01	2.05e-03	8.12e-03	0.66
		0.54	1.24e-04	1.06e-06	0.0	60.0	-2.12	-0.29	-0.01	2.05e-03	1.24e-04	0.54
454	105	0.69	-0.01	1.07e-04	-0.19	0.0	-2.49	-0.13	0.02	2.41e-03	-0.03	0.69
		0.56	-0.03	-5.04e-06	0.0	60.0	-2.49	-0.32	0.02	2.41e-03	-0.01	0.56
454	106	0.66	-2.89e-03	9.09e-05	-0.19	0.0	-2.15	-0.11	-6.60e-04	2.07e-03	-2.89e-03	0.66
		0.54	-3.28e-03	0.0	0.0	60.0	-2.15	-0.29	-6.60e-04	2.07e-03	-3.28e-03	0.54
454	107	0.69	-3.62e-03	1.07e-04	-0.19	0.0	-2.46	-0.13	-7.72e-04	2.39e-03	-3.62e-03	0.69
		0.56	-4.08e-03	-1.87e-06	0.0	60.0	-2.46	-0.32	-7.72e-04	2.39e-03	-4.08e-03	0.56
454	109	1.09	-0.04	6.40e-05	-0.19	0.0	-3.34	-0.43	-0.02	-2.20e-03	-0.09	1.09
		0.78	-0.09	3.37e-04	0.0	60.0	-3.34	-0.62	-0.02	-2.20e-03	-0.04	0.78
454	110	0.34	0.08	1.50e-04	-0.19	0.0	-1.58	0.17	0.01	6.99e-03	0.08	0.34
		0.29	0.03	-3.41e-04	0.0	60.0	-1.58	-0.02	0.01	6.99e-03	0.03	0.29
454	113	1.02	-0.03	5.75e-05	-0.19	0.0	-3.41	-0.38	-0.03	-3.96e-03	-0.07	1.02
		0.73	-0.07	3.10e-04	0.0	60.0	-3.41	-0.57	-0.03	-3.96e-03	-0.03	0.73
454	114	0.39	0.07	1.56e-04	-0.19	0.0	-1.51	0.11	0.03	8.74e-03	0.07	0.39
		0.37	0.03	-3.14e-04	0.0	60.0	-1.51	-0.07	0.03	8.74e-03	0.03	0.37
454	125	0.93	-0.06	1.13e-04	-0.19	0.0	-3.08	-0.31	0.09	3.55e-03	-0.13	0.93
		0.70	-0.13	1.52e-04	0.0	60.0	-3.08	-0.49	0.09	3.55e-03	-0.06	0.70
454	126	0.45	0.12	1.01e-04	-0.19	0.0	-1.84	0.04	-0.10	1.24e-03	0.12	0.45
		0.41	0.05	-1.56e-04	0.0	60.0	-1.84	-0.15	-0.10	1.24e-03	0.05	0.41
454	141	1.14	-0.04	5.86e-05	-0.19	0.0	-3.45	-0.47	-0.02	-2.77e-03	-0.10	1.14
		0.81	-0.10	3.80e-04	0.0	60.0	-3.45	-0.66	-0.02	-2.77e-03	-0.04	0.81
454	142	0.31	0.09	1.55e-04	-0.19	0.0	-1.47	0.21	0.02	7.56e-03	0.09	0.31
		0.24	0.04	-3.84e-04	0.0	60.0	-1.47	0.02	0.02	7.56e-03	0.04	0.24
454	145	1.06	-0.04	5.13e-05	-0.19	0.0	-3.53	-0.41	-0.03	-4.75e-03	-0.08	1.06
		0.75	-0.08	3.49e-04	0.0	60.0	-3.53	-0.60	-0.03	-4.75e-03	-0.04	0.75
454	146	0.36	0.08	1.62e-04	-0.19	0.0	-1.39	0.14	0.03	9.53e-03	0.08	0.36
		0.33	0.03	-3.53e-04	0.0	60.0	-1.39	-0.04	0.03	9.53e-03	0.03	0.33
454	157	0.97	-0.06	1.14e-04	-0.19	0.0	-3.16	-0.33	0.11	3.69e-03	-0.14	0.97
		0.72	-0.14	1.72e-04	0.0	60.0	-3.16	-0.52	0.11	3.69e-03	-0.06	0.72
454	158	0.42	0.14	1.00e-04	-0.19	0.0	-1.77	0.06	-0.11	1.10e-03	0.14	0.42
		0.39	0.05	-1.76e-04	0.0	60.0	-1.77	-0.13	-0.11	1.10e-03	0.05	0.39
454	173	1.14	-0.04	6.10e-05	-0.19	0.0	-3.45	-0.47	-0.02	-2.41e-03	-0.10	1.14
		0.81	-0.10	3.75e-04	0.0	60.0	-3.45	-0.66	-0.02	-2.41e-03	-0.04	0.81
454	174	0.31	0.09	1.53e-04	-0.19	0.0	-1.47	0.21	0.01	7.20e-03	0.09	0.31
		0.24	0.04	-3.79e-04	0.0	60.0	-1.47	0.02	0.01	7.20e-03	0.04	0.24
454	177	1.06	-0.04	5.30e-05	-0.19	0.0	-3.53	-0.41	-0.03	-4.32e-03	-0.08	1.06
		0.75	-0.08	3.42e-04	0.0	60.0	-3.53	-0.60	-0.03	-4.32e-03	-0.04	0.75
454	178	0.36	0.07	1.61e-04	-0.19	0.0	-1.40	0.14	0.03	9.10e-03	0.07	0.36

		0.33	0.03	-3.45e-04	0.0	60.0	-1.40	-0.04	0.03	9.10e-03	0.03	0.36
454	189	0.97	-0.06	1.15e-04	-0.19	0.0	-3.16	-0.33	0.10	3.69e-03	-0.14	0.97
		0.72	-0.14	1.74e-04	0.0	60.0	-3.16	-0.52	0.10	3.69e-03	-0.06	0.72
454	190	0.42	0.13	9.88e-05	-0.19	0.0	-1.77	0.06	-0.11	1.09e-03	0.13	0.42
		0.39	0.05	-1.78e-04	0.0	60.0	-1.77	-0.13	-0.11	1.09e-03	0.05	0.39
454	205	1.22	-0.05	5.41e-05	-0.19	0.0	-3.63	-0.53	-0.02	-3.04e-03	-0.11	1.22
		0.85	-0.11	4.39e-04	0.0	60.0	-3.63	-0.72	-0.02	-3.04e-03	-0.05	0.85
454	206	0.26	0.10	1.60e-04	-0.19	0.0	-1.30	0.27	0.02	7.83e-03	0.10	0.16
		0.16	0.04	-4.42e-04	0.0	60.0	-1.30	0.08	0.02	7.83e-03	0.04	0.16
454	217	1.12	-0.04	1.72e-05	-0.19	0.0	-3.71	-0.46	-0.03	-5.53e-03	-0.09	1.12
		0.79	-0.09	4.48e-04	0.0	60.0	-3.71	-0.65	-0.03	-5.53e-03	-0.04	0.79
454	218	0.33	0.08	1.97e-04	-0.19	0.0	-1.21	0.19	0.03	0.01	0.08	0.27
		0.27	0.03	-4.51e-04	0.0	60.0	-1.21	4.42e-03	0.03	0.01	0.03	0.33
454	221	1.01	-0.07	1.17e-04	-0.19	0.0	-3.28	-0.36	0.12	3.94e-03	-0.17	1.01
		0.75	-0.17	2.07e-04	0.0	60.0	-3.28	-0.55	0.12	3.94e-03	-0.07	0.75
454	222	0.38	0.16	9.66e-05	-0.19	0.0	-1.65	0.10	-0.12	8.47e-04	0.16	0.37
		0.37	0.06	-2.11e-04	0.0	60.0	-1.65	-0.09	-0.12	8.47e-04	0.06	0.37
455	19	-0.16	0.03	1.04e-04	-0.19	0.0	-1.30	-0.97	-0.12	4.53e-03	0.03	-0.16
		-0.80	-0.05	1.61e-05	0.0	60.0	-1.30	-1.16	-0.12	4.53e-03	-0.05	-0.80
455	28	-0.71	0.08	1.97e-04	-0.24	0.0	-3.67	-2.04	0.17	9.78e-03	-0.02	-0.71
		-2.01	-0.02	-7.47e-06	0.0	60.0	-3.67	-2.28	0.17	9.78e-03	0.08	-2.01
455	44	-0.62	0.12	1.90e-04	-0.24	0.0	-3.57	-1.92	0.27	9.08e-03	-0.04	-0.62
		-1.84	-0.04	-1.82e-05	0.0	60.0	-3.57	-2.16	0.27	9.08e-03	0.12	-1.84
455	72	-0.20	0.02	1.09e-04	-0.19	0.0	-1.50	-1.03	-0.08	4.77e-03	0.02	-0.20
		-0.87	-0.03	1.18e-05	0.0	60.0	-1.50	-1.22	-0.08	4.77e-03	-0.03	-0.87
455	80	-0.49	0.06	1.45e-04	-0.19	0.0	-2.65	-1.48	0.11	7.05e-03	-0.01	-0.49
		-1.43	-0.01	-4.73e-06	0.0	60.0	-2.65	-1.67	0.11	7.05e-03	0.06	-1.43
455	88	-0.43	0.08	1.41e-04	-0.19	0.0	-2.58	-1.40	0.18	6.59e-03	-0.03	-0.43
		-1.32	-0.03	-1.19e-05	0.0	60.0	-2.58	-1.59	0.18	6.59e-03	0.08	-1.32
455	98	-0.38	0.01	1.31e-04	-0.19	0.0	-2.21	-1.31	0.01	6.12e-03	4.43e-03	-0.38
		-1.23	4.43e-03	4.20e-06	0.0	60.0	-2.21	-1.50	0.01	6.12e-03	0.01	-1.23
455	102	-0.21	6.33e-03	1.13e-04	-0.19	0.0	-1.73	-1.07	-9.33e-03	4.87e-03	6.33e-03	-0.21
		-0.91	7.37e-04	4.58e-06	0.0	60.0	-1.73	-1.25	-9.33e-03	4.87e-03	7.37e-04	-0.91
455	104	-0.22	0.02	1.15e-04	-0.19	0.0	-1.84	-1.09	0.04	4.93e-03	-2.92e-03	-0.22
		-0.93	-2.92e-03	0.0	0.0	60.0	-1.84	-1.27	0.04	4.93e-03	0.02	-0.93
455	105	-0.36	0.02	1.29e-04	-0.19	0.0	-2.21	-1.29	0.04	5.98e-03	-1.94e-03	-0.36
		-1.19	-1.94e-03	0.0	0.0	60.0	-2.21	-1.47	0.04	5.98e-03	0.02	-1.19
455	106	-0.22	8.03e-03	1.14e-04	-0.19	0.0	-1.79	-1.08	7.90e-03	4.90e-03	3.29e-03	-0.22
		-0.92	3.29e-03	2.77e-06	0.0	60.0	-1.79	-1.26	7.90e-03	4.90e-03	8.03e-03	-0.92
455	107	-0.36	0.01	1.28e-04	-0.19	0.0	-2.15	-1.28	9.98e-03	5.95e-03	4.27e-03	-0.36
		-1.18	4.27e-03	4.00e-06	0.0	60.0	-2.15	-1.46	9.98e-03	5.95e-03	0.01	-1.18
455	112	-3.89	0.05	2.59e-04	-0.19	0.0	-11.60	-7.04	0.08	5.16e-04	-3.25e-03	-3.89
		-8.17	-3.25e-03	1.99e-04	0.0	60.0	-11.60	-7.23	0.08	5.16e-04	0.05	-8.17
455	113	-3.23	0.07	2.76e-04	-0.19	0.0	-14.11	-5.97	0.14	-1.53e-03	-0.01	-3.23
		-6.87	-0.01	1.92e-04	0.0	60.0	-14.11	-6.16	0.14	-1.53e-03	0.07	-6.87
455	114	4.50	0.02	-2.53e-05	-0.19	0.0	9.81	3.42	-0.12	0.01	0.02	2.51
		2.51	-0.05	-1.84e-04	0.0	60.0	9.81	3.23	-0.12	0.01	-0.05	4.50
455	115	5.81	0.01	-1.85e-05	-0.19	0.0	7.29	4.49	-0.06	0.01	0.01	3.17
		3.17	-0.03	-1.91e-04	0.0	60.0	7.29	4.30	-0.06	0.01	-0.03	5.81
455	125	-2.35	0.09	2.12e-04	-0.19	0.0	-8.87	-4.54	0.18	7.95e-03	-0.02	-2.35
		-5.13	-0.02	6.96e-05	0.0	60.0	-8.87	-4.72	0.18	7.95e-03	0.09	-5.13
455	126	2.77	0.03	4.43e-05	-0.19	0.0	4.57	1.98	-0.16	3.94e-03	0.03	1.63
		1.63	-0.07	-6.16e-05	0.0	60.0	4.57	1.80	-0.16	3.94e-03	-0.07	2.77
455	144	-4.34	0.05	2.76e-04	-0.19	0.0	-12.79	-7.78	0.09	-1.58e-04	-4.20e-03	-4.34
		-9.06	-4.20e-03	2.24e-04	0.0	60.0	-12.79	-7.97	0.09	-1.58e-04	0.05	-9.06
455	145	-3.59	0.08	2.94e-04	-0.19	0.0	-15.63	-6.56	0.16	-2.46e-03	-0.01	-3.59
		-7.59	-0.01	2.16e-04	0.0	60.0	-15.63	-6.75	0.16	-2.46e-03	0.08	-7.59
455	146	5.22	0.02	-4.09e-05	-0.19	0.0	11.33	4.01	-0.14	0.01	0.02	2.87
		2.87	-0.06	-2.08e-04	0.0	60.0	11.33	3.82	-0.14	0.01	-0.06	5.22
455	147	6.70	0.01	-3.08e-05	-0.19	0.0	8.49	5.23	-0.07	0.01	0.01	3.62
		3.62	-0.03	-2.16e-04	0.0	60.0	8.49	5.04	-0.07	0.01	-0.03	6.70
455	157	-2.61	0.10	2.23e-04	-0.19	0.0	-9.74	-4.96	0.20	8.20e-03	-0.02	-2.61
		-5.64	-0.02	7.83e-05	0.0	60.0	-9.74	-5.14	0.20	8.20e-03	0.10	-5.64
455	158	3.28	0.03	3.34e-05	-0.19	0.0	5.44	2.41	-0.18	3.69e-03	0.03	1.89
		1.89	-0.08	-7.03e-05	0.0	60.0	5.44	2.22	-0.18	3.69e-03	-0.08	3.28
455	176	-4.36	0.05	2.77e-04	-0.19	0.0	-12.84	-7.82	0.09	3.24e-04	-4.05e-03	-4.36
		-9.11	-4.05e-03	2.24e-04	0.0	60.0	-12.84	-8.01	0.09	3.24e-04	0.05	-9.11
455	177	-3.60	0.08	2.94e-04	-0.19	0.0	-15.69	-6.58	0.16	-1.86e-03	-0.01	-3.60
		-7.61	-0.01	2.14e-04	0.0	60.0	-15.69	-6.77	0.16	-1.86e-03	0.08	-7.61
455	178	5.24	0.02	-4.10e-05	-0.19	0.0	11.38	4.03	-0.14	0.01	0.02	2.88
		2.88	-0.06	-2.06e-04	0.0	60.0	11.38	3.84	-0.14	0.01	-0.06	5.24
455	179	6.75	0.01	-3.17e-05	-0.19	0.0	8.54	5.27	-0.07	0.01	0.01	3.65
		3.65	-0.03	-2.16e-04	0.0	60.0	8.54	5.08	-0.07	0.01	-0.03	6.75
455	189	-2.65	0.10	2.25e-04	-0.19	0.0	-9.88	-5.01	0.20	8.23e-03	-0.02	-2.65
		-5.71	-0.02	8.14e-05	0.0	60.0	-9.88	-5.20	0.20	8.23e-03	0.10	-5.71

455	190	3.35	0.03	3.16e-05	-0.19	0.0	5.58	2.46	-0.18	3.67e-03	0.03	1.93
		1.93	-0.08	-7.34e-05	0.0	60.0	5.58	2.27	-0.18	3.67e-03	-0.08	3.35
455	216	-5.14	0.06	3.28e-04	-0.19	0.0	-14.89	-9.08	0.10	1.27e-04	0.02	-5.14
		-10.65	0.02	2.87e-04	0.0	60.0	-14.89	-9.27	0.10	1.27e-04	0.06	-10.65
455	217	-4.24	0.09	3.48e-04	-0.19	0.0	-18.24	-7.61	0.18	-2.39e-03	0.01	-4.24
		-8.86	0.01	2.76e-04	0.0	60.0	-18.24	-7.80	0.18	-2.39e-03	0.09	-8.86
455	218	6.49	-3.76e-03	-9.16e-05	-0.19	0.0	13.94	5.06	-0.16	0.01	-3.76e-03	3.52
		3.52	-0.07	-2.68e-04	0.0	60.0	13.94	4.87	-0.16	0.01	-0.07	6.49
455	219	8.28	-0.01	-7.40e-05	-0.19	0.0	10.59	6.53	-0.08	0.01	-0.01	4.42
		4.42	-0.04	-2.79e-04	0.0	60.0	10.59	6.34	-0.08	0.01	-0.04	8.28
455	221	-3.07	0.11	2.43e-04	-0.19	0.0	-11.35	-5.71	0.23	8.65e-03	-0.02	-3.07
		-6.56	-0.02	9.74e-05	0.0	60.0	-11.35	-5.90	0.23	8.65e-03	0.11	-6.56
455	222	4.19	0.03	1.33e-05	-0.19	0.0	7.05	3.16	-0.21	3.25e-03	0.03	2.35
		2.35	-0.09	-8.94e-05	0.0	60.0	7.05	2.97	-0.21	3.25e-03	-0.09	4.19
456	4	1.07	0.03	1.87e-04	-0.24	0.0	3.45	-1.19	8.84e-03	9.54e-03	0.03	1.07
		0.28	0.03	5.77e-06	0.0	60.0	3.45	-1.44	8.84e-03	9.54e-03	0.03	0.28
456	8	0.84	0.03	1.49e-04	-0.19	0.0	2.77	-0.96	7.78e-03	7.70e-03	0.03	0.84
		0.20	0.03	4.94e-06	0.0	60.0	2.77	-1.15	7.78e-03	7.70e-03	0.03	0.20
456	18	1.04	0.05	1.69e-04	-0.24	0.0	3.39	-1.07	0.01	8.68e-03	0.04	1.04
		0.32	0.04	5.42e-06	0.0	60.0	3.39	-1.32	0.01	8.68e-03	0.05	0.32
456	28	1.11	-0.05	1.98e-04	-0.24	0.0	3.14	-1.25	-5.15e-04	9.78e-03	-0.05	1.11
		0.29	-0.05	5.78e-06	0.0	60.0	3.14	-1.49	-5.15e-04	9.78e-03	-0.05	0.29
456	45	0.78	-0.09	1.10e-04	-0.19	0.0	1.74	-0.65	-8.02e-03	4.93e-03	-0.09	0.78
		0.34	-0.09	3.60e-06	0.0	60.0	1.74	-0.84	-8.02e-03	4.93e-03	-0.09	0.34
456	68	0.81	0.02	1.36e-04	-0.19	0.0	2.56	-0.86	6.17e-03	6.89e-03	0.02	0.81
		0.24	0.02	4.00e-06	0.0	60.0	2.56	-1.05	6.17e-03	6.89e-03	0.02	0.24
456	75	0.79	0.03	1.25e-04	-0.19	0.0	2.51	-0.78	7.10e-03	6.32e-03	0.03	0.79
		0.26	0.03	3.77e-06	0.0	60.0	2.51	-0.97	7.10e-03	6.32e-03	0.03	0.26
456	80	0.84	-0.03	1.44e-04	-0.19	0.0	2.35	-0.90	-6.74e-05	7.05e-03	-0.03	0.84
		0.24	-0.03	4.01e-06	0.0	60.0	2.35	-1.09	-6.74e-05	7.05e-03	-0.03	0.24
456	85	0.78	-0.06	1.10e-04	-0.19	0.0	1.87	-0.65	-4.36e-03	5.04e-03	-0.06	0.78
		0.33	-0.06	2.89e-06	0.0	60.0	1.87	-0.84	-4.36e-03	5.04e-03	-0.06	0.33
456	98	0.79	2.22e-03	1.26e-04	-0.19	0.0	2.31	-0.78	3.64e-03	6.12e-03	4.17e-05	0.79
		0.27	4.17e-05	2.96e-06	0.0	60.0	2.31	-0.97	3.64e-03	6.12e-03	2.22e-03	0.27
456	103	0.78	8.26e-03	1.22e-04	-0.19	0.0	2.30	-0.75	4.17e-03	5.92e-03	5.76e-03	0.78
		0.27	5.76e-03	2.92e-06	0.0	60.0	2.30	-0.94	4.17e-03	5.92e-03	8.26e-03	0.27
456	104	0.76	-0.01	1.05e-04	-0.19	0.0	2.03	-0.63	1.29e-03	4.93e-03	-0.01	0.76
		0.32	-0.01	1.97e-06	0.0	60.0	2.03	-0.82	1.29e-03	4.93e-03	-0.01	0.32
456	105	0.79	-0.01	1.24e-04	-0.19	0.0	2.23	-0.77	2.09e-03	5.98e-03	-0.01	0.79
		0.28	-0.01	2.93e-06	0.0	60.0	2.23	-0.96	2.09e-03	5.98e-03	-0.01	0.28
456	106	0.75	1.67e-03	1.04e-04	-0.19	0.0	2.07	-0.63	2.71e-03	4.90e-03	4.53e-05	0.75
		0.32	4.53e-05	1.85e-06	0.0	60.0	2.07	-0.81	2.71e-03	4.90e-03	1.67e-03	0.32
456	107	0.79	2.15e-03	1.23e-04	-0.19	0.0	2.27	-0.76	3.50e-03	5.95e-03	4.22e-05	0.79
		0.27	4.22e-05	2.80e-06	0.0	60.0	2.27	-0.95	3.50e-03	5.95e-03	2.15e-03	0.27
456	112	2.17	0.03	-5.25e-05	-0.19	0.0	6.17	-4.65	0.02	5.16e-04	0.02	2.17
		-0.67	0.02	2.02e-04	0.0	60.0	6.17	-4.83	0.02	5.16e-04	0.03	-0.67
456	116	1.86	0.03	1.47e-03	-0.19	0.0	6.29	-3.77	0.02	-1.24e-03	0.02	1.86
		-0.46	0.02	2.00e-04	0.0	60.0	6.29	-3.95	0.02	-1.24e-03	0.03	-0.46
456	119	1.01	-0.02	-1.22e-03	-0.19	0.0	-1.75	2.24	-0.01	0.01	-0.02	-0.28
		-0.28	-0.03	-1.95e-04	0.0	60.0	-1.75	2.06	-0.01	0.01	-0.03	1.01
456	124	0.76	0.05	3.46e-05	-0.19	0.0	4.80	-0.68	0.03	6.64e-05	0.03	0.76
		0.30	0.03	4.58e-05	0.0	60.0	4.80	-0.87	0.03	6.64e-05	0.05	0.30
456	127	0.82	-0.03	2.11e-04	-0.19	0.0	-0.25	-0.84	-0.02	0.01	-0.03	0.82
		0.25	-0.04	-4.02e-05	0.0	60.0	-0.25	-1.03	-0.02	0.01	-0.04	0.25
456	144	2.35	0.03	-7.48e-05	-0.19	0.0	6.67	-5.14	0.02	-1.58e-04	0.02	2.35
		-0.79	0.02	2.28e-04	0.0	60.0	6.67	-5.33	0.02	-1.58e-04	0.03	-0.79
456	148	2.00	0.03	1.64e-03	-0.19	0.0	6.82	-4.16	0.02	-2.09e-03	0.02	2.00
		-0.55	0.02	2.26e-04	0.0	60.0	6.82	-4.35	0.02	-2.09e-03	0.03	-0.55
456	151	1.10	-0.02	-1.39e-03	-0.19	0.0	-2.28	2.64	-0.01	0.01	-0.02	-0.42
		-0.42	-0.03	-2.20e-04	0.0	60.0	-2.28	2.45	-0.01	0.01	-0.03	1.10
456	156	0.75	0.05	2.30e-05	-0.19	0.0	5.12	-0.67	0.03	-6.63e-04	0.04	0.75
		0.30	0.04	5.08e-05	0.0	60.0	5.12	-0.86	0.03	-6.63e-04	0.05	0.30
456	159	0.82	-0.04	2.23e-04	-0.19	0.0	-0.57	-0.85	-0.02	0.01	-0.04	0.82
		0.25	-0.05	-4.52e-05	0.0	60.0	-0.57	-1.04	-0.02	0.01	-0.05	0.25
456	176	2.36	0.03	-7.83e-05	-0.19	0.0	6.70	-5.16	0.02	3.24e-04	0.02	2.36
		-0.80	0.02	2.27e-04	0.0	60.0	6.70	-5.35	0.02	3.24e-04	0.03	-0.80
456	180	2.05	0.03	1.58e-03	-0.19	0.0	6.99	-4.30	0.02	-1.50e-03	0.02	2.05
		-0.59	0.02	2.31e-04	0.0	60.0	6.99	-4.49	0.02	-1.50e-03	0.03	-0.59
456	183	1.14	-0.02	-1.34e-03	-0.19	0.0	-2.44	2.78	-0.01	0.01	-0.02	-0.47
		-0.47	-0.03	-2.26e-04	0.0	60.0	-2.44	2.59	-0.01	0.01	-0.03	1.14
456	188	0.74	0.05	1.89e-05	-0.19	0.0	5.13	-0.64	0.03	-3.61e-04	0.04	0.74
		0.31	0.04	4.72e-05	0.0	60.0	5.13	-0.83	0.03	-3.61e-04	0.05	0.31
456	191	0.83	-0.04	2.27e-04	-0.19	0.0	-0.58	-0.88	-0.02	0.01	-0.04	0.83
		0.24	-0.05	-4.16e-05	0.0	60.0	-0.58	-1.07	-0.02	0.01	-0.05	0.24
456	212	2.32	0.04	1.84e-03	-0.19	0.0	7.97	-5.05	0.02	-2.63e-03	0.03	2.32

		-0.77	0.03	2.78e-04	0.0	60.0	7.97	-5.24	0.02	-2.63e-03	0.04	-0.77
456	215	1.32	-0.03	-1.59e-03	-0.19	0.0	-3.42	3.53	-0.01	0.01	-0.03	-0.74
		-0.74	-0.04	-2.72e-04	0.0	60.0	-3.42	3.34	-0.01	0.01	-0.04	1.32
456	216	2.66	0.03	1.84e-03	-0.19	0.0	7.88	-6.02	0.02	1.27e-04	0.02	2.66
		-1.01	0.02	2.91e-04	0.0	60.0	7.88	-6.21	0.02	1.27e-04	0.03	-1.01
456	219	1.56	-0.02	-1.60e-03	-0.19	0.0	-3.33	4.50	-0.01	0.01	-0.02	-1.09
		-1.09	-0.03	-2.85e-04	0.0	60.0	-3.33	4.31	-0.01	0.01	-0.03	1.56
456	220	0.73	0.06	-3.57e-06	-0.19	0.0	5.64	-0.60	0.03	-1.30e-03	0.04	0.73
		0.32	0.04	5.25e-05	0.0	60.0	5.64	-0.78	0.03	-1.30e-03	0.06	0.32
456	223	0.85	-0.04	2.48e-04	-0.19	0.0	-1.09	-0.93	-0.02	0.01	-0.04	0.85
		0.23	-0.06	-4.69e-05	0.0	60.0	-1.09	-1.12	-0.02	0.01	-0.06	0.23
457	4	0.80	0.03	2.28e-06	-0.24	0.0	3.23	0.31	0.02	9.54e-03	0.01	0.69
		0.69	0.01	5.33e-06	0.0	60.0	3.23	0.06	0.02	9.54e-03	0.03	0.80
457	18	0.76	0.05	-9.77e-06	-0.24	0.0	3.16	0.36	0.04	8.68e-03	0.02	0.62
		0.62	0.02	4.09e-06	0.0	60.0	3.16	0.11	0.04	8.68e-03	0.05	0.76
457	19	0.51	0.05	-3.26e-05	-0.19	0.0	1.77	0.39	0.04	4.53e-03	0.02	0.34
		0.34	0.02	0.0	0.0	60.0	1.77	0.20	0.04	4.53e-03	0.05	0.51
457	35	0.84	-0.02	-2.42e-06	-0.24	0.0	2.27	0.26	-0.05	9.48e-03	-0.02	0.75
		0.75	-0.05	8.47e-06	0.0	60.0	2.27	0.01	-0.05	9.48e-03	-0.05	0.84
457	45	0.57	-0.04	-2.24e-05	-0.19	0.0	0.43	0.32	-0.09	4.93e-03	-0.04	0.44
		0.44	-0.09	6.99e-06	0.0	60.0	0.43	0.13	-0.09	4.93e-03	-0.09	0.57
457	68	0.60	0.02	-4.39e-06	-0.19	0.0	2.28	0.26	0.01	6.89e-03	0.01	0.50
		0.50	0.01	3.74e-06	0.0	60.0	2.28	0.07	0.01	6.89e-03	0.02	0.60
457	72	0.53	0.03	-2.89e-05	-0.19	0.0	1.64	0.37	0.03	4.77e-03	0.01	0.36
		0.36	0.01	1.46e-06	0.0	60.0	1.64	0.18	0.03	4.77e-03	0.03	0.53
457	75	0.58	0.03	-1.11e-05	-0.19	0.0	2.23	0.29	0.03	6.32e-03	0.02	0.46
		0.46	0.02	2.92e-06	0.0	60.0	2.23	0.10	0.03	6.32e-03	0.03	0.58
457	83	0.63	-0.01	-4.44e-06	-0.19	0.0	1.63	0.22	-0.04	6.85e-03	-0.01	0.55
		0.55	-0.04	5.84e-06	0.0	60.0	1.63	0.04	-0.04	6.85e-03	-0.04	0.63
457	85	0.57	-0.03	-2.21e-05	-0.19	0.0	0.75	0.32	-0.06	5.04e-03	-0.03	0.43
		0.43	-0.06	5.49e-06	0.0	60.0	0.75	0.13	-0.06	5.04e-03	-0.06	0.57
457	101	0.58	1.71e-03	-1.14e-05	-0.19	0.0	1.70	0.29	-1.99e-03	6.08e-03	1.71e-03	0.47
		0.47	5.12e-04	3.35e-06	0.0	60.0	1.70	0.10	-1.99e-03	6.08e-03	5.12e-04	0.58
457	102	0.54	6.44e-03	-2.61e-05	-0.19	0.0	1.32	0.35	4.18e-03	4.87e-03	3.94e-03	0.39
		0.39	3.94e-03	2.05e-06	0.0	60.0	1.32	0.16	4.18e-03	4.87e-03	6.44e-03	0.54
457	103	0.57	6.56e-03	-1.31e-05	-0.19	0.0	1.74	0.30	3.68e-03	5.92e-03	4.35e-03	0.45
		0.45	4.35e-03	3.12e-06	0.0	60.0	1.74	0.12	3.68e-03	5.92e-03	6.56e-03	0.57
457	104	0.55	-4.08e-03	-2.48e-05	-0.19	0.0	1.15	0.34	-0.01	4.93e-03	-4.08e-03	0.40
		0.40	-0.01	2.86e-06	0.0	60.0	1.15	0.15	-0.01	4.93e-03	-0.01	0.55
457	106	0.55	1.26e-03	-2.55e-05	-0.19	0.0	1.25	0.34	-1.45e-03	4.90e-03	1.26e-03	0.40
		0.40	3.90e-04	2.20e-06	0.0	60.0	1.25	0.16	-1.45e-03	4.90e-03	3.90e-04	0.55
457	107	0.58	1.68e-03	-1.24e-05	-0.19	0.0	1.66	0.30	-1.95e-03	5.95e-03	1.68e-03	0.45
		0.45	5.03e-04	3.26e-06	0.0	60.0	1.66	0.11	-1.95e-03	5.95e-03	5.03e-04	0.58
457	108	3.04	0.03	1.17e-05	-0.19	0.0	8.45	-2.35	-0.01	-1.69e-03	0.02	3.04
		1.58	0.02	1.97e-04	0.0	60.0	8.45	-2.54	-0.01	-1.69e-03	0.03	1.58
457	111	-0.43	-0.01	-3.65e-05	-0.19	0.0	-5.12	2.94	6.96e-03	0.01	-0.01	-2.14
		-2.14	-0.03	-1.90e-04	0.0	60.0	-5.12	2.76	6.96e-03	0.01	-0.03	-0.43
457	112	3.62	0.02	1.63e-05	-0.19	0.0	8.18	-2.94	-0.01	5.16e-04	0.01	3.62
		1.80	0.01	2.05e-04	0.0	60.0	8.18	-3.13	-0.01	5.16e-04	0.02	1.80
457	115	-0.65	-9.67e-03	-4.12e-05	-0.19	0.0	-4.85	3.54	8.82e-03	0.01	-9.67e-03	-2.72
		-2.72	-0.02	-1.98e-04	0.0	60.0	-4.85	3.35	8.82e-03	0.01	-0.02	-0.65
457	124	0.55	0.05	-3.32e-05	-0.19	0.0	6.45	0.36	0.02	6.64e-05	0.03	0.39
		0.39	0.03	5.10e-05	0.0	60.0	6.45	0.17	0.02	6.64e-05	0.05	0.55
457	127	0.60	-0.02	8.41e-06	-0.19	0.0	-3.13	0.24	-0.02	0.01	-0.02	0.51
		0.51	-0.04	-4.44e-05	0.0	60.0	-3.13	0.05	-0.02	0.01	-0.04	0.60
457	140	3.37	0.03	1.49e-05	-0.19	0.0	9.31	-2.68	-0.01	-2.64e-03	0.02	3.37
		1.70	0.02	2.21e-04	0.0	60.0	9.31	-2.87	-0.01	-2.64e-03	0.03	1.70
457	143	-0.55	-0.01	-3.97e-05	-0.19	0.0	-5.98	3.28	8.11e-03	0.01	-0.01	-2.46
		-2.46	-0.03	-2.15e-04	0.0	60.0	-5.98	3.09	8.11e-03	0.01	-0.03	-0.55
457	144	4.03	0.03	2.03e-05	-0.19	0.0	9.01	-3.35	-0.01	-1.58e-04	0.01	4.03
		1.96	0.01	2.30e-04	0.0	60.0	9.01	-3.54	-0.01	-1.58e-04	0.03	1.96
457	147	-0.81	-0.01	-4.51e-05	-0.19	0.0	-5.68	3.95	0.01	0.01	-0.01	-3.12
		-3.12	-0.03	-2.24e-04	0.0	60.0	-5.68	3.76	0.01	0.01	-0.03	-0.81
457	156	0.55	0.05	-3.59e-05	-0.19	0.0	7.06	0.37	0.02	-6.63e-04	0.03	0.38
		0.38	0.03	5.66e-05	0.0	60.0	7.06	0.19	0.02	-6.63e-04	0.05	0.55
457	159	0.61	-0.03	1.11e-05	-0.19	0.0	-3.73	0.22	-0.03	0.01	-0.03	0.53
		0.53	-0.05	-5.01e-05	0.0	60.0	-3.73	0.04	-0.03	0.01	-0.05	0.61
457	172	3.38	0.03	2.28e-05	-0.19	0.0	9.33	-2.69	-0.01	-2.06e-03	0.02	3.38
		1.71	0.02	2.19e-04	0.0	60.0	9.33	-2.88	-0.01	-2.06e-03	0.03	1.71
457	175	-0.55	-0.01	-4.76e-05	-0.19	0.0	-6.00	3.29	8.16e-03	0.01	-0.01	-2.47
		-2.47	-0.03	-2.13e-04	0.0	60.0	-6.00	3.10	8.16e-03	0.01	-0.03	-0.55
457	176	4.04	0.03	2.92e-05	-0.19	0.0	9.06	-3.37	-0.01	3.24e-04	0.01	4.04
		1.97	0.01	2.30e-04	0.0	60.0	9.06	-3.56	-0.01	3.24e-04	0.03	1.97
457	179	-0.81	-0.01	-5.40e-05	-0.19	0.0	-5.74	3.97	0.01	0.01	-0.01	-3.14
		-3.14	-0.03	-2.24e-04	0.0	60.0	-5.74	3.78	0.01	0.01	-0.03	-0.81

457	188	0.54	0.05	-3.44e-05	-0.19	0.0	7.03	0.40	0.02	-3.61e-04	0.03	0.35
		0.35	0.03	5.31e-05	0.0	60.0	7.03	0.21	0.02	-3.61e-04	0.05	0.54
457	191	0.62	-0.03	9.58e-06	-0.19	0.0	-3.70	0.20	-0.03	0.01	-0.03	0.55
		0.55	-0.05	-4.65e-05	0.0	60.0	-3.70	9.62e-03	-0.03	0.01	-0.05	0.62
457	212	3.95	0.03	2.46e-05	-0.19	0.0	10.77	-3.27	-0.01	-2.63e-03	0.02	3.95
		1.93	0.02	2.81e-04	0.0	60.0	10.77	-3.46	-0.01	-2.63e-03	0.03	1.93
457	215	-0.78	-0.01	-4.94e-05	-0.19	0.0	-7.45	3.87	9.21e-03	0.01	-0.01	-3.04
		-3.04	-0.03	-2.74e-04	0.0	60.0	-7.45	3.68	9.21e-03	0.01	-0.03	-0.78
457	216	4.75	0.03	3.28e-05	-0.19	0.0	10.48	-4.09	-0.02	1.27e-04	0.01	4.75
		2.24	0.01	2.94e-04	0.0	60.0	10.48	-4.28	-0.02	1.27e-04	0.03	2.24
457	219	-1.08	-0.01	-5.77e-05	-0.19	0.0	-7.16	4.69	0.01	0.01	-0.01	-3.84
		-3.84	-0.03	-2.88e-04	0.0	60.0	-7.16	4.50	0.01	0.01	-0.03	-1.08
457	220	0.52	0.06	-3.73e-05	-0.19	0.0	7.95	0.44	0.03	-1.30e-03	0.03	0.32
		0.32	0.03	5.94e-05	0.0	60.0	7.95	0.25	0.03	-1.30e-03	0.06	0.52
457	223	0.63	-0.03	1.25e-05	-0.19	0.0	-4.63	0.16	-0.03	0.01	-0.03	0.59
		0.59	-0.06	-5.29e-05	0.0	60.0	-4.63	-0.03	-0.03	0.01	-0.06	0.63
458	16	0.97	0.04	1.61e-05	-0.24	0.0	3.54	0.34	-0.19	6.84e-03	0.04	0.84
		0.84	-0.07	1.84e-05	0.0	60.0	3.54	0.09	-0.19	6.84e-03	-0.07	0.97
458	21	0.71	0.04	2.77e-05	-0.19	0.0	2.83	0.22	-0.19	6.36e-03	0.04	0.63
		0.63	-0.07	1.90e-05	0.0	60.0	2.83	0.03	-0.19	6.36e-03	-0.07	0.71
458	42	0.98	0.14	2.83e-05	-0.24	0.0	1.92	0.30	0.37	7.25e-03	-0.09	0.87
		0.87	-0.09	-2.39e-05	0.0	60.0	1.92	0.06	0.37	7.25e-03	0.14	0.98
458	44	0.93	0.14	5.23e-05	-0.24	0.0	1.86	0.23	0.37	9.08e-03	-0.09	0.87
		0.87	-0.09	-2.20e-05	0.0	60.0	1.86	-0.01	0.37	9.08e-03	0.14	0.93
458	45	0.76	0.14	1.58e-05	-0.19	0.0	1.27	0.25	0.37	4.93e-03	-0.09	0.66
		0.66	-0.09	-2.52e-05	0.0	60.0	1.27	0.06	0.37	4.93e-03	0.14	0.76
458	47	0.71	0.14	3.98e-05	-0.19	0.0	1.21	0.18	0.37	6.77e-03	-0.09	0.66
		0.66	-0.09	-2.33e-05	0.0	60.0	1.21	-4.74e-03	0.37	6.77e-03	0.14	0.71
458	73	0.75	0.03	1.09e-05	-0.19	0.0	2.65	0.26	-0.13	5.10e-03	0.03	0.65
		0.65	-0.05	1.25e-05	0.0	60.0	2.65	0.07	-0.13	5.10e-03	-0.05	0.75
458	74	0.72	0.03	2.38e-05	-0.19	0.0	2.60	0.23	-0.13	5.99e-03	0.03	0.64
		0.64	-0.05	1.35e-05	0.0	60.0	2.60	0.04	-0.13	5.99e-03	-0.05	0.72
458	85	0.75	0.09	1.60e-05	-0.19	0.0	1.56	0.25	0.25	5.04e-03	-0.06	0.66
		0.66	-0.06	-1.60e-05	0.0	60.0	1.56	0.06	0.25	5.04e-03	0.09	0.75
458	86	0.75	0.09	1.90e-05	-0.19	0.0	1.57	0.24	0.25	5.37e-03	-0.06	0.67
		0.67	-0.06	-1.58e-05	0.0	60.0	1.57	0.05	0.25	5.37e-03	0.09	0.75
458	87	0.72	0.09	3.20e-05	-0.19	0.0	1.52	0.21	0.25	6.27e-03	-0.06	0.66
		0.66	-0.06	-1.47e-05	0.0	60.0	1.52	0.02	0.25	6.27e-03	0.09	0.72
458	88	0.72	0.09	3.50e-05	-0.19	0.0	1.53	0.19	0.25	6.59e-03	-0.06	0.66
		0.66	-0.06	-1.45e-05	0.0	60.0	1.53	6.75e-03	0.25	6.59e-03	0.09	0.72
458	102	0.75	5.62e-03	1.11e-05	-0.19	0.0	2.24	0.26	-0.03	4.87e-03	5.62e-03	0.65
		0.65	-9.81e-03	4.25e-06	0.0	60.0	2.24	0.08	-0.03	4.87e-03	-9.81e-03	0.75
458	103	0.73	5.58e-03	2.48e-05	-0.19	0.0	2.20	0.23	-0.03	5.92e-03	5.58e-03	0.65
		0.65	-9.95e-03	5.33e-06	0.0	60.0	2.20	0.04	-0.03	5.92e-03	-9.95e-03	0.73
458	104	0.75	0.02	1.27e-05	-0.19	0.0	2.02	0.26	0.05	4.93e-03	-0.01	0.65
		0.65	-0.01	-1.40e-06	0.0	60.0	2.02	0.07	0.05	4.93e-03	0.02	0.75
458	105	0.73	0.02	2.64e-05	-0.19	0.0	1.98	0.22	0.05	5.98e-03	-0.01	0.65
		0.65	-0.01	0.0	0.0	60.0	1.98	0.03	0.05	5.98e-03	0.02	0.73
458	106	0.75	-1.23e-04	1.19e-05	-0.19	0.0	2.14	0.26	-7.04e-04	4.90e-03	-1.23e-04	0.65
		0.65	-5.46e-04	2.25e-06	0.0	60.0	2.14	0.07	-7.04e-04	4.90e-03	-5.46e-04	0.75
458	107	0.73	-1.64e-04	2.56e-05	-0.19	0.0	2.10	0.22	-8.66e-04	5.95e-03	-1.64e-04	0.65
		0.65	-6.83e-04	3.33e-06	0.0	60.0	2.10	0.04	-8.66e-04	5.95e-03	-6.83e-04	0.73
458	112	0.26	-5.45e-03	-2.77e-05	-0.19	0.0	-2.62	-2.20	-0.08	5.16e-04	-5.45e-03	0.26
		-1.12	-0.03	2.02e-04	0.0	60.0	-2.62	-2.39	-0.08	5.16e-04	-0.03	-1.12
458	113	0.33	-0.01	-1.61e-05	-0.19	0.0	-4.76	-1.74	-0.03	-1.53e-03	-0.02	0.33
		-0.77	-0.02	1.89e-04	0.0	60.0	-4.76	-1.93	-0.03	-1.53e-03	-0.01	-0.77
458	114	2.22	0.02	6.73e-05	-0.19	0.0	8.96	2.19	0.02	0.01	0.02	0.96
		0.96	8.74e-03	-1.83e-04	0.0	60.0	8.96	2.00	0.02	0.01	8.74e-03	2.22
458	115	2.57	0.03	7.89e-05	-0.19	0.0	6.81	2.65	0.08	0.01	5.12e-03	1.04
		1.04	5.12e-03	-1.95e-04	0.0	60.0	6.81	2.46	0.08	0.01	0.03	2.57
458	124	0.77	0.02	-2.21e-05	-0.19	0.0	3.34	0.27	-0.15	6.64e-05	0.02	0.42
		0.42	-0.06	5.92e-05	0.0	60.0	3.34	0.09	-0.15	6.64e-05	-0.06	0.77
458	127	0.88	0.06	7.33e-05	-0.19	0.0	0.86	0.17	0.15	0.01	-0.02	0.88
		0.68	-0.02	-5.25e-05	0.0	60.0	0.86	-0.01	0.15	0.01	0.06	0.68
458	144	0.21	-6.13e-03	-3.43e-05	-0.19	0.0	-3.22	-2.51	-0.09	-1.58e-04	-6.13e-03	0.21
		-1.35	-0.04	2.27e-04	0.0	60.0	-3.22	-2.70	-0.09	-1.58e-04	-0.04	-1.35
458	145	0.29	-0.01	-2.14e-05	-0.19	0.0	-5.63	-1.99	-0.03	-2.46e-03	-0.02	0.29
		-0.96	-0.02	2.13e-04	0.0	60.0	-5.63	-2.18	-0.03	-2.46e-03	-0.01	-0.96
458	146	2.41	0.02	7.26e-05	-0.19	0.0	9.82	2.44	0.03	0.01	0.02	1.00
		1.00	9.96e-03	-2.06e-04	0.0	60.0	9.82	2.25	0.03	0.01	9.96e-03	2.41
458	147	2.80	0.04	8.55e-05	-0.19	0.0	7.42	2.96	0.09	0.01	5.80e-03	1.09
		1.09	5.80e-03	-2.21e-04	0.0	60.0	7.42	2.77	0.09	0.01	0.04	2.80
458	156	0.78	0.03	-2.83e-05	-0.19	0.0	3.50	0.28	-0.17	-6.63e-04	0.03	0.39
		0.39	-0.07	6.58e-05	0.0	60.0	3.50	0.10	-0.17	-6.63e-04	-0.07	0.78
458	159	0.91	0.06	7.95e-05	-0.19	0.0	0.70	0.16	0.17	0.01	-0.03	0.91

		0.68	-0.03	-5.92e-05	0.0	60.0	0.70	-0.02	0.17	0.01	0.06	0.68
458	176	0.21	-6.03e-03	-3.08e-05	-0.19	0.0	-3.27	-2.53	-0.09	3.24e-04	-6.03e-03	0.21
		-1.36	-0.04	2.27e-04	0.0	60.0	-3.27	-2.72	-0.09	3.24e-04	-0.04	-1.36
458	179	2.82	0.03	8.20e-05	-0.19	0.0	7.47	2.98	0.09	0.01	5.70e-03	1.09
		1.09	5.70e-03	-2.20e-04	0.0	60.0	7.47	2.79	0.09	0.01	0.03	2.82
458	185	0.30	-8.89e-03	-6.86e-05	-0.19	0.0	-5.76	-1.97	-0.02	-1.31e-03	-0.02	0.30
		-0.94	-0.02	2.26e-04	0.0	60.0	-5.76	-2.16	-0.02	-1.31e-03	-8.89e-03	-0.94
458	186	2.39	0.02	1.20e-04	-0.19	0.0	9.96	2.42	0.02	0.01	0.02	1.00
		1.00	7.52e-03	-2.20e-04	0.0	60.0	9.96	2.23	0.02	0.01	7.52e-03	2.39
458	188	0.79	0.03	-2.87e-05	-0.19	0.0	3.54	0.30	-0.16	-3.61e-04	0.03	0.39
		0.39	-0.06	6.21e-05	0.0	60.0	3.54	0.11	-0.16	-3.61e-04	-0.06	0.79
458	191	0.91	0.06	7.99e-05	-0.19	0.0	0.66	0.15	0.16	0.01	-0.03	0.91
		0.66	-0.03	-5.55e-05	0.0	60.0	0.66	-0.04	0.16	0.01	0.06	0.66
458	216	0.12	-6.02e-03	-1.03e-04	-0.19	0.0	-4.61	-3.06	-0.10	1.27e-04	-6.02e-03	0.12
		-1.77	-0.04	2.91e-04	0.0	60.0	-4.61	-3.25	-0.10	1.27e-04	-0.04	-1.77
458	217	0.22	-0.01	-9.09e-05	-0.19	0.0	-7.36	-2.44	-0.03	-2.39e-03	-0.02	0.22
		-1.30	-0.02	2.72e-04	0.0	60.0	-7.36	-2.62	-0.03	-2.39e-03	-0.01	-1.30
458	218	2.75	0.02	1.42e-04	-0.19	0.0	11.56	2.89	0.03	0.01	0.02	1.07
		1.07	9.29e-03	-2.66e-04	0.0	60.0	11.56	2.70	0.03	0.01	9.29e-03	2.75
458	219	3.22	0.04	1.54e-04	-0.19	0.0	8.80	3.51	0.10	0.01	5.69e-03	1.18
		1.18	5.69e-03	-2.84e-04	0.0	60.0	8.80	3.32	0.10	0.01	0.04	3.22
458	220	0.81	0.03	-3.85e-05	-0.19	0.0	3.82	0.33	-0.19	-1.30e-03	0.03	0.34
		0.34	-0.08	6.99e-05	0.0	60.0	3.82	0.14	-0.19	-1.30e-03	-0.08	0.81
458	223	0.96	0.07	8.97e-05	-0.19	0.0	0.38	0.12	0.19	0.01	-0.03	0.96
		0.64	-0.03	-6.32e-05	0.0	60.0	0.38	-0.07	0.19	0.01	0.07	0.64
459	7	0.32	7.65e-05	-1.15e-04	-0.19	0.0	1.12	0.76	5.46e-03	-7.35e-03	-3.20e-03	-0.09
		-0.09	-3.20e-03	-5.54e-06	0.0	60.0	1.12	0.57	5.46e-03	-7.35e-03	7.65e-05	0.32
459	18	0.45	6.24e-05	-1.39e-04	-0.24	0.0	1.51	0.93	6.21e-03	-8.65e-03	-3.66e-03	-0.03
		-0.03	-3.66e-03	-7.88e-06	0.0	60.0	1.51	0.68	6.21e-03	-8.65e-03	6.24e-05	0.45
459	28	0.44	2.44e-04	-1.58e-04	-0.24	0.0	1.15	0.99	7.50e-03	-9.75e-03	-4.26e-03	-0.07
		-0.07	-4.26e-03	0.0	0.0	60.0	1.15	0.74	7.50e-03	-9.75e-03	2.44e-04	0.44
459	42	0.53	2.46e-04	-1.31e-04	-0.24	0.0	0.95	0.86	5.31e-03	-6.71e-03	-2.94e-03	0.09
		0.09	-2.94e-03	3.25e-06	0.0	60.0	0.95	0.61	5.31e-03	-6.71e-03	2.46e-04	0.53
459	44	0.47	2.84e-04	-1.51e-04	-0.24	0.0	1.02	0.95	6.91e-03	-8.86e-03	-3.86e-03	-0.02
		-0.02	-3.86e-03	2.35e-06	0.0	60.0	1.02	0.71	6.91e-03	-8.86e-03	2.84e-04	0.47
459	45	0.41	2.12e-04	-9.58e-05	-0.19	0.0	0.63	0.65	3.70e-03	-4.45e-03	-2.01e-03	0.08
		0.08	-2.01e-03	3.96e-06	0.0	60.0	0.63	0.46	3.70e-03	-4.45e-03	2.12e-04	0.41
459	67	0.34	7.81e-05	-1.09e-04	-0.19	0.0	1.05	0.73	4.94e-03	-6.54e-03	-2.89e-03	-0.04
		-0.04	-2.89e-03	-4.18e-06	0.0	60.0	1.05	0.54	4.94e-03	-6.54e-03	7.81e-05	0.34
459	75	0.36	4.93e-05	-1.04e-04	-0.19	0.0	1.12	0.70	4.52e-03	-6.23e-03	-2.66e-03	-5.38e-03
		-5.38e-03	-2.66e-03	-5.38e-06	0.0	60.0	1.12	0.51	4.52e-03	-6.23e-03	4.93e-05	0.36
459	80	0.35	1.70e-04	-1.16e-04	-0.19	0.0	0.88	0.74	5.39e-03	-6.96e-03	-3.06e-03	-0.03
		-0.03	-3.06e-03	0.0	0.0	60.0	0.88	0.55	5.39e-03	-6.96e-03	1.70e-04	0.35
459	85	0.40	1.68e-04	-9.55e-05	-0.19	0.0	0.73	0.65	3.76e-03	-4.60e-03	-2.09e-03	0.07
		0.07	-2.09e-03	2.16e-06	0.0	60.0	0.73	0.46	3.76e-03	-4.60e-03	1.68e-04	0.40
459	86	0.41	1.72e-04	-9.81e-05	-0.19	0.0	0.75	0.65	3.92e-03	-4.93e-03	-2.18e-03	0.07
		0.07	-2.18e-03	2.05e-06	0.0	60.0	0.75	0.46	3.92e-03	-4.93e-03	1.72e-04	0.41
459	88	0.37	1.97e-04	-1.12e-04	-0.19	0.0	0.80	0.71	4.99e-03	-6.38e-03	-2.80e-03	-9.83e-04
		-9.83e-04	-2.80e-03	1.44e-06	0.0	60.0	0.80	0.53	4.99e-03	-6.38e-03	1.97e-04	0.37
459	98	0.36	9.96e-05	-1.05e-04	-0.19	0.0	0.95	0.70	4.67e-03	-5.95e-03	-2.70e-03	-6.73e-03
		-6.73e-03	-2.70e-03	-1.90e-06	0.0	60.0	0.95	0.51	4.67e-03	-5.95e-03	9.96e-05	0.36
459	103	0.36	8.53e-05	-1.02e-04	-0.19	0.0	0.97	0.69	4.46e-03	-5.74e-03	-2.59e-03	3.51e-03
		3.51e-03	-2.59e-03	-2.49e-06	0.0	60.0	0.97	0.50	4.46e-03	-5.74e-03	8.53e-05	0.36
459	104	0.40	9.33e-05	-9.20e-05	-0.19	0.0	0.87	0.64	3.64e-03	-4.53e-03	-2.09e-03	0.07
		0.07	-2.09e-03	0.0	0.0	60.0	0.87	0.45	3.64e-03	-4.53e-03	9.33e-05	0.40
459	105	0.37	1.15e-04	-1.04e-04	-0.19	0.0	0.90	0.70	4.55e-03	-5.77e-03	-2.62e-03	4.39e-03
		4.39e-03	-2.62e-03	-1.12e-06	0.0	60.0	0.90	0.51	4.55e-03	-5.77e-03	1.15e-04	0.37
459	106	0.40	7.45e-05	-9.11e-05	-0.19	0.0	0.90	0.64	3.61e-03	-4.51e-03	-2.09e-03	0.07
		0.07	-2.09e-03	-1.29e-06	0.0	60.0	0.90	0.45	3.61e-03	-4.51e-03	7.45e-05	0.40
459	107	0.36	9.60e-05	-1.03e-04	-0.19	0.0	0.94	0.69	4.52e-03	-5.75e-03	-2.62e-03	3.93e-03
		3.93e-03	-2.62e-03	-1.81e-06	0.0	60.0	0.94	0.51	4.52e-03	-5.75e-03	9.60e-05	0.36
459	108	2.49	3.95e-03	1.41e-05	-0.19	0.0	2.79	-1.83	-7.12e-03	-0.01	3.95e-03	2.49
		1.34	-3.24e-04	1.89e-04	0.0	60.0	2.79	-2.02	-7.12e-03	-0.01	-3.24e-04	1.34
459	111	-0.61	5.16e-04	-2.20e-04	-0.19	0.0	-0.91	3.22	0.02	1.65e-03	-9.18e-03	-2.48
		-2.48	-9.18e-03	-1.93e-04	0.0	60.0	-0.91	3.03	0.02	1.65e-03	5.16e-04	-0.61
459	112	3.04	4.13e-03	1.76e-05	-0.19	0.0	2.78	-2.39	-7.44e-03	-0.01	4.13e-03	3.04
		1.55	-3.32e-04	1.97e-04	0.0	60.0	2.78	-2.58	-7.44e-03	-0.01	-3.32e-04	1.55
459	115	-0.83	5.24e-04	-2.23e-04	-0.19	0.0	-0.90	3.77	0.02	-4.67e-04	-9.37e-03	-3.03
		-3.03	-9.37e-03	-2.01e-04	0.0	60.0	-0.90	3.59	0.02	-4.67e-04	5.24e-04	-0.83
459	140	2.81	4.78e-03	2.89e-05	-0.19	0.0	3.02	-2.15	-8.59e-03	-0.01	4.78e-03	2.81
		1.46	-3.77e-04	2.13e-04	0.0	60.0	3.02	-2.34	-8.59e-03	-0.01	-3.77e-04	1.46
459	143	-0.73	5.69e-04	-2.35e-04	-0.19	0.0	-1.14	3.54	0.02	2.56e-03	-0.01	-2.80
		-2.80	-0.01	-2.17e-04	0.0	60.0	-1.14	3.35	0.02	2.56e-03	5.69e-04	-0.73
459	144	3.43	4.99e-03	3.30e-05	-0.19	0.0	3.01	-2.78	-8.96e-03	-0.01	4.99e-03	3.43
		1.70	-3.86e-04	2.22e-04	0.0	60.0	3.01	-2.97	-8.96e-03	-0.01	-3.86e-04	1.70

459	147	-0.98	5.78e-04	-2.39e-04	-0.19	0.0	-1.13	4.17	0.02	1.90e-04	-0.01	-3.42
		-3.42	-0.01	-2.26e-04	0.0	60.0	-1.13	3.98	0.02	1.90e-04	5.78e-04	-0.98
459	172	2.82	4.75e-03	2.89e-05	-0.19	0.0	3.01	-2.16	-8.54e-03	-0.01	4.75e-03	2.82
		1.46	-3.75e-04	2.12e-04	0.0	60.0	3.01	-2.35	-8.54e-03	-0.01	-3.75e-04	1.46
459	175	-0.74	5.67e-04	-2.35e-04	-0.19	0.0	-1.13	3.55	0.02	1.99e-03	-9.98e-03	-2.81
		-2.81	-9.98e-03	-2.16e-04	0.0	60.0	-1.13	3.36	0.02	1.99e-03	5.67e-04	-0.74
459	176	3.45	4.99e-03	3.39e-05	-0.19	0.0	3.01	-2.80	-8.97e-03	-0.01	4.99e-03	3.45
		1.71	-3.87e-04	2.22e-04	0.0	60.0	3.01	-2.99	-8.97e-03	-0.01	-3.87e-04	1.71
459	179	-0.99	5.79e-04	-2.40e-04	-0.19	0.0	-1.13	4.19	0.02	-2.88e-04	-0.01	-3.44
		-3.44	-0.01	-2.26e-04	0.0	60.0	-1.13	4.00	0.02	-2.88e-04	5.79e-04	-0.99
459	184	3.40	5.16e-03	4.63e-05	-0.19	0.0	2.77	-2.75	-9.27e-03	-0.01	5.16e-03	3.40
		1.69	-4.00e-04	2.37e-04	0.0	60.0	2.77	-2.94	-9.27e-03	-0.01	-4.00e-04	1.69
459	187	-0.96	5.92e-04	-2.52e-04	-0.19	0.0	-0.89	4.14	0.02	-9.22e-04	-0.01	-3.39
		-3.39	-0.01	-2.41e-04	0.0	60.0	-0.89	3.95	0.02	-9.22e-04	5.92e-04	-0.96
459	208	4.07	6.34e-03	5.85e-05	-0.19	0.0	3.37	-3.43	-0.01	-0.01	6.34e-03	4.07
		1.96	-4.73e-04	2.62e-04	0.0	60.0	3.37	-3.62	-0.01	-0.01	-4.73e-04	1.96
459	211	-1.23	6.65e-04	-2.64e-04	-0.19	0.0	-1.49	4.82	0.02	3.87e-04	-0.01	-4.06
		-4.06	-0.01	-2.66e-04	0.0	60.0	-1.49	4.63	0.02	3.87e-04	6.65e-04	-1.23
459	216	4.11	6.73e-03	7.76e-05	-0.19	0.0	3.14	-3.47	-0.01	-0.01	6.73e-03	4.11
		1.97	-5.01e-04	2.87e-04	0.0	60.0	3.14	-3.66	-0.01	-0.01	-5.01e-04	1.97
459	219	-1.24	6.93e-04	-2.83e-04	-0.19	0.0	-1.26	4.86	0.02	-2.19e-04	-0.01	-4.10
		-4.10	-0.01	-2.91e-04	0.0	60.0	-1.26	4.67	0.02	-2.19e-04	6.93e-04	-1.24
460	7	0.57	5.24e-05	-1.06e-05	-0.19	0.0	2.18	-0.22	-3.59e-05	-7.35e-03	5.24e-05	0.57
		0.38	3.09e-05	-5.40e-06	0.0	60.0	2.18	-0.41	-3.59e-05	-7.35e-03	3.09e-05	0.38
460	18	0.77	7.45e-05	-2.88e-06	-0.24	0.0	2.80	-0.31	-9.24e-05	-8.65e-03	7.45e-05	0.77
		0.51	1.90e-05	-7.68e-06	0.0	60.0	2.80	-0.56	-9.24e-05	-8.65e-03	1.90e-05	0.51
460	44	0.77	1.65e-04	-1.02e-05	-0.24	0.0	1.44	-0.26	3.87e-04	-8.88e-03	-6.67e-05	0.77
		0.53	-6.67e-05	2.20e-06	0.0	60.0	1.44	-0.51	3.87e-04	-8.88e-03	1.65e-04	0.53
460	45	0.60	1.28e-04	1.46e-05	-0.19	0.0	0.53	-0.21	3.48e-04	-4.45e-03	-8.12e-05	0.60
		0.42	-8.12e-05	3.79e-06	0.0	60.0	0.53	-0.40	3.48e-04	-4.45e-03	1.28e-04	0.42
460	57	0.80	4.82e-05	1.64e-05	-0.24	0.0	1.88	-0.32	4.77e-05	-7.05e-03	1.96e-05	0.80
		0.53	1.96e-05	-2.02e-06	0.0	60.0	1.88	-0.56	4.77e-05	-7.05e-03	4.82e-05	0.53
460	67	0.58	3.97e-05	-3.56e-06	-0.19	0.0	1.91	-0.23	-1.26e-05	-6.54e-03	3.97e-05	0.58
		0.39	3.22e-05	-4.06e-06	0.0	60.0	1.91	-0.41	-1.26e-05	-6.54e-03	3.22e-05	0.39
460	75	0.59	5.09e-05	3.86e-06	-0.19	0.0	2.02	-0.24	-5.89e-05	-6.23e-03	5.09e-05	0.59
		0.39	1.55e-05	-5.23e-06	0.0	60.0	2.02	-0.43	-5.89e-05	-6.23e-03	1.55e-05	0.39
460	85	0.60	9.67e-05	1.44e-05	-0.19	0.0	0.81	-0.22	2.44e-04	-4.60e-03	-4.94e-05	0.60
		0.42	-4.94e-05	2.06e-06	0.0	60.0	0.81	-0.40	2.44e-04	-4.60e-03	9.67e-05	0.42
460	88	0.59	1.13e-04	-4.02e-06	-0.19	0.0	1.11	-0.21	2.60e-04	-6.38e-03	-4.33e-05	0.59
		0.41	-4.33e-05	1.35e-06	0.0	60.0	1.11	-0.40	2.60e-04	-6.38e-03	1.13e-04	0.41
460	93	0.61	3.50e-05	1.47e-05	-0.19	0.0	1.41	-0.24	3.45e-05	-5.17e-03	1.43e-05	0.61
		0.41	1.43e-05	-1.46e-06	0.0	60.0	1.41	-0.43	3.45e-05	-5.17e-03	3.50e-05	0.41
460	99	0.61	3.16e-05	1.75e-05	-0.19	0.0	1.33	-0.24	3.09e-05	-4.64e-03	1.31e-05	0.61
		0.41	1.31e-05	-1.28e-06	0.0	60.0	1.33	-0.43	3.09e-05	-4.64e-03	3.16e-05	0.41
460	103	0.59	3.67e-05	5.37e-06	-0.19	0.0	1.61	-0.23	2.14e-05	-5.74e-03	2.38e-05	0.59
		0.40	2.38e-05	-2.41e-06	0.0	60.0	1.61	-0.42	2.14e-05	-5.74e-03	3.67e-05	0.40
460	104	0.60	4.40e-05	1.75e-05	-0.19	0.0	1.21	-0.23	7.27e-05	-4.53e-03	0.0	0.60
		0.41	0.0	0.0	0.0	60.0	1.21	-0.42	7.27e-05	-4.53e-03	4.40e-05	0.41
460	105	0.59	5.62e-05	4.00e-06	-0.19	0.0	1.42	-0.22	8.53e-05	-5.77e-03	5.00e-06	0.59
		0.40	5.00e-06	-1.09e-06	0.0	60.0	1.42	-0.41	8.53e-05	-5.77e-03	5.62e-05	0.40
460	106	0.60	3.08e-05	1.82e-05	-0.19	0.0	1.31	-0.24	3.00e-05	-4.51e-03	1.28e-05	0.60
		0.41	1.28e-05	-1.24e-06	0.0	60.0	1.31	-0.42	3.00e-05	-4.51e-03	3.08e-05	0.41
460	107	0.59	4.30e-05	4.75e-06	-0.19	0.0	1.52	-0.23	4.26e-05	-5.75e-03	1.74e-05	0.59
		0.40	1.74e-05	-1.75e-06	0.0	60.0	1.52	-0.41	4.26e-05	-5.75e-03	4.30e-05	0.40
460	109	1.92	2.10e-05	-1.34e-04	-0.19	0.0	-0.49	-4.14	9.79e-05	-0.01	-2.53e-05	1.92
		-0.62	-2.53e-05	1.98e-04	0.0	60.0	-0.49	-4.33	9.79e-05	-0.01	2.10e-05	-0.62
460	110	1.42	6.50e-05	1.43e-04	-0.19	0.0	3.54	3.69	-1.28e-05	-4.46e-04	6.02e-05	-0.74
		-0.74	6.02e-05	-2.02e-04	0.0	60.0	3.54	3.50	-1.28e-05	-4.46e-04	6.50e-05	1.42
460	132	1.35	2.22e-05	-7.51e-06	-0.19	0.0	3.41	-2.47	-7.36e-05	-4.10e-03	2.22e-05	1.35
		-0.19	-3.35e-05	6.57e-05	0.0	60.0	3.41	-2.66	-7.36e-05	-4.10e-03	-3.35e-05	-0.19
460	133	0.55	9.68e-05	-6.09e-05	-0.19	0.0	-1.26	-0.12	1.76e-04	-0.01	-1.07e-05	0.55
		0.43	-1.07e-05	4.74e-05	0.0	60.0	-1.26	-0.30	1.76e-04	-0.01	9.68e-05	0.43
460	134	0.63	4.56e-05	7.04e-05	-0.19	0.0	4.31	-0.34	-9.10e-05	-2.88e-04	4.56e-05	0.63
		0.36	-1.08e-05	-5.09e-05	0.0	60.0	4.31	-0.52	-9.10e-05	-2.88e-04	-1.08e-05	0.36
460	135	0.99	1.19e-04	1.70e-05	-0.19	0.0	-0.36	2.02	1.59e-04	-7.40e-03	1.27e-05	-0.17
		-0.17	1.27e-05	-6.92e-05	0.0	60.0	-0.36	1.83	1.59e-04	-7.40e-03	1.19e-04	0.99
460	141	2.09	1.82e-05	-1.51e-04	-0.19	0.0	-0.74	-4.64	1.05e-04	-0.01	-3.08e-05	2.09
		-0.75	-3.08e-05	2.23e-04	0.0	60.0	-0.74	-4.82	1.05e-04	-0.01	1.82e-05	-0.75
460	142	1.55	6.78e-05	1.61e-04	-0.19	0.0	3.79	4.18	-1.96e-05	2.14e-04	6.57e-05	-0.91
		-0.91	6.57e-05	-2.27e-04	0.0	60.0	3.79	4.00	-1.96e-05	2.14e-04	6.78e-05	1.55
460	164	1.45	2.28e-05	-8.73e-06	-0.19	0.0	3.64	-2.76	-8.80e-05	-3.89e-03	2.28e-05	1.45
		-0.27	-4.30e-05	7.47e-05	0.0	60.0	3.64	-2.95	-8.80e-05	-3.89e-03	-4.30e-05	-0.27
460	165	0.55	1.03e-04	-6.96e-05	-0.19	0.0	-1.60	-0.10	1.93e-04	-0.01	-1.43e-05	0.55
		0.44	-1.43e-05	5.32e-05	0.0	60.0	-1.60	-0.28	1.93e-04	-0.01	1.03e-04	0.44
460	166	0.63	4.92e-05	7.91e-05	-0.19	0.0	4.65	-0.36	-1.08e-04	3.89e-04	4.92e-05	0.63

		0.36	-1.75e-05	-5.67e-05	0.0	60.0	4.65	-0.54	-1.08e-04	3.89e-04	-1.75e-05	0.36
460	167	1.06	1.29e-04	1.82e-05	-0.19	0.0	-0.59	2.31	1.73e-04	-7.60e-03	1.21e-05	-0.27
		-0.27	1.21e-05	-7.82e-05	0.0	60.0	-0.59	2.12	1.73e-04	-7.60e-03	1.29e-04	1.06
460	173	2.09	1.78e-05	-1.53e-04	-0.19	0.0	-0.74	-4.66	1.02e-04	-0.01	-3.10e-05	2.09
		-0.76	-3.10e-05	2.23e-04	0.0	60.0	-0.74	-4.85	1.02e-04	-0.01	1.78e-05	-0.76
460	174	1.56	6.81e-05	1.62e-04	-0.19	0.0	3.79	4.21	-1.64e-05	-2.56e-04	6.59e-05	-0.91
		-0.91	6.59e-05	-2.27e-04	0.0	60.0	3.79	4.02	-1.64e-05	-2.56e-04	6.81e-05	1.56
460	196	1.46	2.27e-05	-6.82e-06	-0.19	0.0	3.58	-2.80	-8.58e-05	-3.88e-03	2.27e-05	1.46
		-0.28	-4.18e-05	7.78e-05	0.0	60.0	3.58	-2.99	-8.58e-05	-3.88e-03	-4.18e-05	-0.28
460	197	0.54	1.02e-04	-7.32e-05	-0.19	0.0	-1.55	-0.07	1.89e-04	-0.01	-1.43e-05	0.54
		0.44	-1.43e-05	4.96e-05	0.0	60.0	-1.55	-0.26	1.89e-04	-0.01	1.02e-04	0.44
460	198	0.64	4.92e-05	8.27e-05	-0.19	0.0	4.60	-0.38	-1.04e-04	8.39e-05	4.92e-05	0.64
		0.35	-1.64e-05	-5.31e-05	0.0	60.0	4.60	-0.57	-1.04e-04	8.39e-05	-1.64e-05	0.35
460	199	1.07	1.28e-04	1.63e-05	-0.19	0.0	-0.54	2.35	1.71e-04	-7.61e-03	1.22e-05	-0.28
		-0.28	1.22e-05	-8.13e-05	0.0	60.0	-0.54	2.16	1.71e-04	-7.61e-03	1.28e-04	1.07
460	213	2.39	2.03e-05	1.09e-03	-0.19	0.0	-1.14	-5.52	1.10e-04	-0.01	-3.84e-05	2.39
		-0.98	-3.84e-05	2.87e-04	0.0	60.0	-1.14	-5.71	1.10e-04	-0.01	2.03e-05	-0.98
460	214	1.78	7.33e-05	-1.08e-03	-0.19	0.0	4.19	5.07	-2.44e-05	-1.79e-04	7.33e-05	-1.21
		-1.21	6.56e-05	-2.91e-04	0.0	60.0	4.19	4.88	-2.44e-05	-1.79e-04	6.56e-05	1.78
460	228	1.63	2.35e-05	-7.55e-06	-0.19	0.0	3.90	-3.28	-1.07e-04	-3.54e-03	2.35e-05	1.63
		-0.40	-5.60e-05	9.40e-05	0.0	60.0	3.90	-3.47	-1.07e-04	-3.54e-03	-5.60e-05	-0.40
460	231	1.20	1.42e-04	1.71e-05	-0.19	0.0	-0.85	2.83	1.92e-04	-7.96e-03	1.13e-05	-0.45
		-0.45	1.13e-05	-9.75e-05	0.0	60.0	-0.85	2.64	1.92e-04	-7.96e-03	1.42e-04	1.20
460	233	0.53	1.14e-04	2.91e-04	-0.19	0.0	-2.05	-0.04	2.12e-04	-0.01	-1.95e-05	0.53
		0.45	-1.95e-05	6.35e-05	0.0	60.0	-2.05	-0.22	2.12e-04	-0.01	1.14e-04	0.45
460	234	0.65	5.44e-05	-2.82e-04	-0.19	0.0	5.10	-0.42	-1.27e-04	7.62e-04	5.44e-05	0.65
		0.34	-2.83e-05	-6.70e-05	0.0	60.0	5.10	-0.60	-1.27e-04	7.62e-04	-2.83e-05	0.34
461	18	0.61	-1.19e-04	-7.40e-05	-0.24	0.0	3.43	0.63	7.97e-04	2.63e-04	-5.97e-04	0.30
		0.30	-5.97e-04	1.32e-06	0.0	60.0	3.43	0.39	7.97e-04	2.63e-04	-1.19e-04	0.61
461	21	0.45	-1.03e-04	-5.67e-05	-0.19	0.0	2.80	0.51	6.68e-04	1.83e-04	-5.03e-04	0.20
		0.20	-5.03e-04	0.0	0.0	60.0	2.80	0.32	6.68e-04	1.83e-04	-1.03e-04	0.45
461	35	0.65	-1.05e-05	-7.51e-05	-0.24	0.0	1.91	0.60	2.45e-04	3.36e-04	-1.57e-04	0.36
		0.36	-1.57e-04	2.05e-06	0.0	60.0	1.91	0.36	2.45e-04	3.36e-04	-1.05e-05	0.65
461	45	0.47	2.20e-04	-5.84e-05	-0.19	0.0	0.06	0.47	-2.56e-04	1.94e-04	2.20e-04	0.24
		0.24	6.58e-05	0.0	0.0	60.0	0.06	0.28	-2.56e-04	1.94e-04	6.58e-05	0.47
461	74	0.45	-8.09e-05	-5.69e-05	-0.19	0.0	2.33	0.50	5.42e-04	1.87e-04	-4.06e-04	0.21
		0.21	-4.06e-04	0.0	0.0	60.0	2.33	0.31	5.42e-04	1.87e-04	-8.09e-05	0.45
461	75	0.47	-8.27e-05	-5.70e-05	-0.19	0.0	2.42	0.48	5.58e-04	1.97e-04	-4.17e-04	0.23
		0.23	-4.17e-04	0.0	0.0	60.0	2.42	0.30	5.58e-04	1.97e-04	-8.27e-05	0.47
461	83	0.49	-1.06e-05	-5.77e-05	-0.19	0.0	1.41	0.46	1.90e-04	2.46e-04	-1.24e-04	0.27
		0.27	-1.24e-04	1.47e-06	0.0	60.0	1.41	0.27	1.90e-04	2.46e-04	-1.06e-05	0.49
461	85	0.47	7.58e-05	-5.80e-05	-0.19	0.0	0.50	0.47	-7.42e-05	1.95e-04	7.58e-05	0.24
		0.24	3.13e-05	0.0	0.0	60.0	0.50	0.29	-7.42e-05	1.95e-04	3.13e-05	0.47
461	101	0.47	-4.55e-05	-5.72e-05	-0.19	0.0	1.67	0.48	3.54e-04	2.20e-04	-2.58e-04	0.23
		0.23	-2.58e-04	1.30e-06	0.0	60.0	1.67	0.30	3.54e-04	2.20e-04	-4.55e-05	0.47
461	103	0.46	-5.17e-05	-5.71e-05	-0.19	0.0	1.76	0.49	3.83e-04	2.09e-04	-2.82e-04	0.22
		0.22	-2.82e-04	1.19e-06	0.0	60.0	1.76	0.30	3.83e-04	2.09e-04	-5.17e-05	0.46
461	104	0.46	-2.14e-05	-5.75e-05	-0.19	0.0	1.12	0.48	1.97e-04	1.88e-04	-1.39e-04	0.23
		0.23	-1.39e-04	0.0	0.0	60.0	1.12	0.29	1.97e-04	1.88e-04	-2.14e-05	0.46
461	106	0.46	-3.46e-05	-5.74e-05	-0.19	0.0	1.27	0.48	2.64e-04	1.86e-04	-1.93e-04	0.23
		0.23	-1.93e-04	0.0	0.0	60.0	1.27	0.29	2.64e-04	1.86e-04	-3.46e-05	0.46
461	107	0.46	-4.48e-05	-5.72e-05	-0.19	0.0	1.63	0.49	3.47e-04	2.16e-04	-2.53e-04	0.22
		0.22	-2.53e-04	1.27e-06	0.0	60.0	1.63	0.30	3.47e-04	2.16e-04	-4.48e-05	0.46
461	112	3.44	-7.04e-05	8.73e-05	-0.19	0.0	4.60	-2.78	5.39e-04	-6.98e-03	-3.91e-04	3.44
		1.72	-3.91e-04	2.00e-04	0.0	60.0	4.60	-2.97	5.39e-04	-6.98e-03	-7.04e-05	1.72
461	115	-0.80	-1.93e-05	-2.02e-04	-0.19	0.0	-1.33	3.76	1.55e-04	7.41e-03	-1.15e-04	-3.00
		-3.00	-1.15e-04	-1.98e-04	0.0	60.0	-1.33	3.57	1.55e-04	7.41e-03	-1.93e-05	-0.80
461	132	2.10	-9.22e-05	-1.08e-05	-0.19	0.0	5.43	-1.42	5.19e-04	1.66e-03	-4.01e-04	2.10
		1.19	-4.01e-04	7.98e-05	0.0	60.0	5.43	-1.60	5.19e-04	1.66e-03	-9.22e-05	1.19
461	135	-0.27	2.56e-06	-1.07e-04	-0.19	0.0	-2.16	2.40	1.76e-04	-1.23e-03	-1.05e-04	-1.65
		-1.65	-1.05e-04	-7.72e-05	0.0	60.0	-2.16	2.21	1.76e-04	-1.23e-03	2.56e-06	-0.27
461	136	2.05	-9.32e-05	-1.04e-05	-0.19	0.0	5.34	-1.37	5.17e-04	6.80e-03	-4.01e-04	2.05
		1.18	-4.01e-04	8.13e-05	0.0	60.0	5.34	-1.56	5.17e-04	6.80e-03	-9.32e-05	1.18
461	139	-0.25	3.57e-06	-1.07e-04	-0.19	0.0	-2.07	2.35	1.78e-04	-6.37e-03	-1.05e-04	-1.60
		-1.60	-1.05e-04	-7.87e-05	0.0	60.0	-2.07	2.16	1.78e-04	-6.37e-03	-1.05e-04	-0.25
461	144	3.85	-7.35e-05	1.06e-04	-0.19	0.0	4.97	-3.20	5.64e-04	-7.88e-03	-4.09e-04	3.85
		1.88	-4.09e-04	2.26e-04	0.0	60.0	4.97	-3.38	5.64e-04	-7.88e-03	-7.35e-05	1.88
461	147	-0.96	-1.62e-05	-2.20e-04	-0.19	0.0	-1.71	4.18	1.31e-04	8.31e-03	-9.78e-05	-3.41
		-3.41	-9.78e-05	-2.23e-04	0.0	60.0	-1.71	3.99	1.31e-04	8.31e-03	-1.62e-05	-0.96
461	164	2.34	-9.81e-05	-7.71e-06	-0.19	0.0	5.90	-1.66	5.40e-04	1.84e-03	-4.20e-04	2.34
		1.29	-4.20e-04	9.00e-05	0.0	60.0	5.90	-1.85	5.40e-04	1.84e-03	-9.81e-05	1.29
461	167	-0.37	8.46e-06	-1.13e-04	-0.19	0.0	-2.64	2.64	1.54e-04	-1.41e-03	-8.67e-05	-1.89
		-1.89	-8.67e-05	-8.75e-05	0.0	60.0	-2.64	2.45	1.54e-04	-1.41e-03	8.46e-06	-0.37
461	168	2.29	-9.93e-05	-7.19e-06	-0.19	0.0	5.80	-1.61	5.39e-04	7.63e-03	-4.20e-04	2.29
		1.27	-4.20e-04	9.20e-05	0.0	60.0	5.80	-1.80	5.39e-04	7.63e-03	-9.93e-05	1.27

461	171	-0.35	9.61e-06	-1.14e-04	-0.19	0.0	-2.54	2.59	1.56e-04	-7.19e-03	-8.64e-05	-1.84
		-1.84	-8.64e-05	-8.94e-05	0.0	60.0	-2.54	2.40	1.56e-04	-7.19e-03	9.61e-06	-0.35
461	176	3.88	-7.27e-05	1.07e-04	-0.19	0.0	4.95	-3.22	5.63e-04	-7.51e-03	-4.08e-04	3.88
		1.89	-4.08e-04	2.25e-04	0.0	60.0	4.95	-3.41	5.63e-04	-7.51e-03	-7.27e-05	1.89
461	179	-0.96	-1.70e-05	-2.21e-04	-0.19	0.0	-1.69	4.20	1.32e-04	7.94e-03	-9.87e-05	-3.43
		-3.43	-9.87e-05	-2.22e-04	0.0	60.0	-1.69	4.01	1.32e-04	7.94e-03	-1.70e-05	-0.96
461	196	2.37	-9.72e-05	-6.55e-06	-0.19	0.0	5.85	-1.69	5.40e-04	1.86e-03	-4.19e-04	2.37
		1.30	-4.19e-04	9.25e-05	0.0	60.0	5.85	-1.88	5.40e-04	1.86e-03	-9.72e-05	1.30
461	199	-0.37	7.54e-06	-1.16e-04	-0.19	0.0	-2.59	2.67	1.54e-04	-1.43e-03	-8.75e-05	-1.92
		-1.92	-8.75e-05	-9.00e-05	0.0	60.0	-2.59	2.48	1.54e-04	-1.43e-03	7.54e-06	-0.37
461	200	2.35	-9.85e-05	-5.50e-06	-0.19	0.0	5.77	-1.67	5.40e-04	7.47e-03	-4.20e-04	2.35
		1.29	-4.20e-04	9.65e-05	0.0	60.0	5.77	-1.86	5.40e-04	7.47e-03	-9.85e-05	1.29
461	203	-0.37	8.84e-06	-1.18e-04	-0.19	0.0	-2.50	2.65	1.55e-04	-7.04e-03	-8.63e-05	-1.90
		-1.90	-8.63e-05	-9.39e-05	0.0	60.0	-2.50	2.46	1.55e-04	-7.04e-03	8.84e-06	-0.37
461	216	4.57	-8.28e-05	1.51e-04	-0.19	0.0	5.26	-3.93	6.04e-04	0.01	-4.43e-04	4.57
		2.16	-4.43e-04	2.87e-04	0.0	60.0	5.26	-4.11	6.04e-04	0.01	-8.28e-05	2.16
461	219	-1.23	-6.87e-06	-2.65e-04	-0.19	0.0	-1.99	4.90	9.02e-05	-0.01	-6.35e-05	-4.12
		-4.12	-6.35e-05	-2.84e-04	0.0	60.0	-1.99	4.72	9.02e-05	-0.01	-6.87e-06	-1.23
461	228	2.76	-1.06e-04	1.36e-05	-0.19	0.0	6.56	-2.09	5.74e-04	2.19e-03	-4.47e-04	2.76
		1.45	-4.47e-04	1.10e-04	0.0	60.0	6.56	-2.28	5.74e-04	2.19e-03	-1.06e-04	1.45
461	231	-0.53	1.61e-05	-1.28e-04	-0.19	0.0	-3.30	3.07	1.21e-04	-1.76e-03	-5.92e-05	-2.31
		-2.31	-5.92e-05	-1.08e-04	0.0	60.0	-3.30	2.88	1.21e-04	-1.76e-03	1.61e-05	-0.53
461	232	2.77	-1.07e-04	1.79e-05	-0.19	0.0	6.48	-2.10	5.75e-04	8.74e-03	-4.50e-04	2.77
		1.46	-4.50e-04	1.17e-04	0.0	60.0	6.48	-2.29	5.75e-04	8.74e-03	-1.07e-04	1.46
461	235	-0.53	1.78e-05	-1.32e-04	-0.19	0.0	-3.21	3.08	1.20e-04	-1.31e-03	-5.66e-05	-2.32
		-2.32	-5.66e-05	-1.14e-04	0.0	60.0	-3.21	2.89	1.20e-04	-1.31e-03	1.78e-05	-0.53
462	8	0.69	3.56e-05	6.67e-05	-0.19	0.0	2.76	-0.59	-6.00e-05	2.40e-04	3.56e-05	0.69
		0.28	0.0	1.55e-06	0.0	60.0	2.76	-0.78	-6.00e-05	2.40e-04	0.0	0.28
462	18	0.88	5.42e-05	8.23e-05	-0.24	0.0	3.41	-0.68	-1.20e-04	2.63e-04	5.42e-05	0.88
		0.40	-1.79e-05	1.54e-06	0.0	60.0	3.41	-0.93	-1.20e-04	2.63e-04	-1.79e-05	0.40
462	35	0.91	9.31e-05	8.72e-05	-0.24	0.0	1.85	-0.73	2.24e-04	3.36e-04	-4.15e-05	0.91
		0.40	-4.15e-05	1.90e-06	0.0	60.0	1.85	-0.98	2.24e-04	3.36e-04	9.31e-05	0.40
462	44	0.90	1.32e-04	8.52e-05	-0.24	0.0	1.29	-0.71	3.47e-04	3.26e-04	-7.65e-05	0.90
		0.40	-7.65e-05	1.67e-06	0.0	60.0	1.29	-0.95	3.47e-04	3.26e-04	1.32e-04	0.40
462	45	0.66	1.15e-04	5.86e-05	-0.19	0.0	0.14	-0.41	3.27e-04	1.94e-04	-8.14e-05	0.66
		0.36	-8.14e-05	0.0	0.0	60.0	0.14	-0.60	3.27e-04	1.94e-04	1.15e-04	0.36
462	68	0.68	2.58e-05	6.42e-05	-0.19	0.0	2.32	-0.54	-3.39e-05	2.25e-04	2.58e-05	0.68
		0.30	5.43e-06	1.40e-06	0.0	60.0	2.32	-0.73	-3.39e-05	2.25e-04	5.43e-06	0.30
462	75	0.67	3.68e-05	6.22e-05	-0.19	0.0	2.42	-0.50	-7.88e-05	1.97e-04	3.68e-05	0.67
		0.31	-1.05e-05	1.13e-06	0.0	60.0	2.42	-0.69	-7.88e-05	1.97e-04	-1.05e-05	0.31
462	83	0.69	6.35e-05	6.55e-05	-0.19	0.0	1.38	-0.54	1.51e-04	2.46e-04	-2.71e-05	0.69
		0.32	-2.71e-05	1.37e-06	0.0	60.0	1.38	-0.72	1.51e-04	2.46e-04	6.35e-05	0.32
462	85	0.66	8.23e-05	5.88e-05	-0.19	0.0	0.58	-0.42	2.24e-04	1.95e-04	-5.22e-05	0.66
		0.35	-5.22e-05	0.0	0.0	60.0	0.58	-0.61	2.24e-04	1.95e-04	8.23e-05	0.35
462	88	0.69	8.94e-05	6.41e-05	-0.19	0.0	1.01	-0.52	2.33e-04	2.39e-04	-5.04e-05	0.69
		0.32	-5.04e-05	1.22e-06	0.0	60.0	1.01	-0.71	2.33e-04	2.39e-04	8.94e-05	0.32
462	98	0.67	2.17e-05	6.17e-05	-0.19	0.0	1.71	-0.49	2.38e-05	2.21e-04	7.42e-06	0.67
		0.32	7.42e-06	1.36e-06	0.0	60.0	1.71	-0.68	2.38e-05	2.21e-04	2.17e-05	0.32
462	101	0.67	2.12e-05	6.18e-05	-0.19	0.0	1.69	-0.49	2.32e-05	2.20e-04	7.24e-06	0.67
		0.32	7.24e-06	1.34e-06	0.0	60.0	1.69	-0.68	2.32e-05	2.20e-04	2.12e-05	0.32
462	103	0.67	1.42e-05	6.09e-05	-0.19	0.0	1.79	-0.48	1.96e-06	2.09e-04	1.30e-05	0.67
		0.32	1.30e-05	1.25e-06	0.0	60.0	1.79	-0.67	1.96e-06	2.09e-04	1.42e-05	0.32
462	104	0.65	2.88e-05	5.82e-05	-0.19	0.0	1.20	-0.42	5.77e-05	1.88e-04	-5.81e-06	0.65
		0.35	-5.81e-06	0.0	0.0	60.0	1.20	-0.60	5.77e-05	1.88e-04	2.88e-05	0.35
462	105	0.67	3.42e-05	6.13e-05	-0.19	0.0	1.51	-0.48	6.43e-05	2.18e-04	-4.40e-06	0.67
		0.32	-4.40e-06	1.27e-06	0.0	60.0	1.51	-0.67	6.43e-05	2.18e-04	3.42e-05	0.32
462	106	0.65	1.54e-05	5.80e-05	-0.19	0.0	1.35	-0.41	1.61e-05	1.86e-04	5.78e-06	0.65
		0.35	5.78e-06	1.02e-06	0.0	60.0	1.35	-0.60	1.61e-05	1.86e-04	1.54e-05	0.35
462	107	0.67	2.08e-05	6.12e-05	-0.19	0.0	1.66	-0.48	2.27e-05	2.16e-04	7.18e-06	0.67
		0.32	7.18e-06	1.31e-06	0.0	60.0	1.66	-0.67	2.27e-05	2.16e-04	2.08e-05	0.32
462	112	2.03	-8.07e-06	4.25e-04	-0.19	0.0	1.86	-4.55	4.49e-05	-6.98e-03	-3.50e-05	2.03
		-0.75	-3.50e-05	1.98e-04	0.0	60.0	1.86	-4.74	4.49e-05	-6.98e-03	-8.07e-06	-0.75
462	124	0.63	7.33e-06	1.70e-04	-0.19	0.0	4.68	-0.38	-6.08e-05	-6.39e-03	7.33e-06	0.63
		0.35	-4.19e-05	3.83e-05	0.0	60.0	4.68	-0.57	-6.08e-05	-6.39e-03	-4.19e-05	0.35
462	125	1.45	7.60e-05	1.72e-04	-0.19	0.0	-1.79	-2.80	1.38e-04	1.79e-03	-1.59e-05	1.45
		-0.29	-1.59e-05	7.98e-05	0.0	60.0	-1.79	-2.98	1.38e-04	1.79e-03	7.60e-05	-0.29
462	126	0.93	3.03e-05	-5.01e-05	-0.19	0.0	5.11	1.83	-9.23e-05	-1.36e-03	3.03e-05	-0.11
		-0.11	-3.44e-05	-7.72e-05	0.0	60.0	5.11	1.64	-9.23e-05	-1.36e-03	-3.44e-05	0.93
462	127	0.70	8.35e-05	-4.77e-05	-0.19	0.0	-1.36	-0.58	1.06e-04	6.82e-03	7.03e-06	0.70
		0.30	7.03e-06	-3.57e-05	0.0	60.0	-1.36	-0.77	1.06e-04	6.82e-03	8.35e-05	0.30
462	144	2.21	-1.16e-05	4.70e-04	-0.19	0.0	1.88	-5.06	4.79e-05	-7.88e-03	-4.03e-05	2.21
		-0.89	-4.03e-05	2.23e-04	0.0	60.0	1.88	-5.25	4.79e-05	-7.88e-03	-1.16e-05	-0.89
462	156	0.63	7.40e-06	1.83e-04	-0.19	0.0	5.05	-0.37	-7.12e-05	-7.22e-03	7.40e-06	0.63
		0.35	-4.96e-05	4.27e-05	0.0	60.0	5.05	-0.55	-7.12e-05	-7.22e-03	-4.96e-05	0.35
462	157	1.55	8.29e-05	1.87e-04	-0.19	0.0	-2.22	-3.09	1.52e-04	1.99e-03	-1.89e-05	1.55

		-0.37	-1.89e-05	9.01e-05	0.0	60.0	-2.22	-3.28	1.52e-04	1.99e-03	8.29e-05	-0.37
462	158	1.01	3.32e-05	-6.43e-05	-0.19	0.0	5.54	2.13	-1.07e-04	-1.56e-03	3.32e-05	-0.21
		-0.21	-4.12e-05	-8.75e-05	0.0	60.0	5.54	1.94	-1.07e-04	-1.56e-03	-4.12e-05	1.01
462	159	0.71	9.12e-05	-6.08e-05	-0.19	0.0	-1.73	-0.60	1.17e-04	7.65e-03	6.97e-06	0.71
		0.29	6.97e-06	-4.01e-05	0.0	60.0	-1.73	-0.79	1.17e-04	7.65e-03	9.12e-05	0.29
462	176	2.22	-9.93e-06	4.60e-04	-0.19	0.0	1.86	-5.09	4.89e-05	-7.51e-03	-4.05e-05	2.22
		-0.90	-4.05e-05	2.23e-04	0.0	60.0	1.86	-5.28	4.89e-05	-7.51e-03	-9.93e-06	-0.90
462	188	0.62	7.70e-06	1.76e-04	-0.19	0.0	4.99	-0.34	-6.93e-05	-6.99e-03	7.70e-06	0.62
		0.36	-4.76e-05	3.94e-05	0.0	60.0	4.99	-0.53	-6.93e-05	-6.99e-03	-4.76e-05	0.36
462	189	1.56	8.16e-05	1.87e-04	-0.19	0.0	-2.15	-3.13	1.50e-04	2.01e-03	-1.92e-05	1.56
		-0.38	-1.92e-05	9.25e-05	0.0	60.0	-2.15	-3.32	1.50e-04	2.01e-03	8.16e-05	-0.38
462	190	1.02	3.36e-05	-6.45e-05	-0.19	0.0	5.47	2.17	-1.05e-04	-1.57e-03	3.36e-05	-0.22
		-0.22	-3.99e-05	-8.99e-05	0.0	60.0	5.47	1.98	-1.05e-04	-1.57e-03	-3.99e-05	1.02
462	191	0.72	8.93e-05	-5.38e-05	-0.19	0.0	-1.67	-0.62	1.15e-04	7.43e-03	6.67e-06	0.72
		0.28	6.67e-06	-3.68e-05	0.0	60.0	-1.67	-0.81	1.15e-04	7.43e-03	8.93e-05	0.28
462	216	2.51	1.42e-05	5.43e-04	-0.19	0.0	2.02	-5.97	6.22e-05	0.01	-4.59e-05	2.51
		-1.13	-4.59e-05	2.85e-04	0.0	60.0	2.02	-6.16	6.22e-05	0.01	1.42e-05	-1.13
462	219	1.77	6.03e-05	-4.20e-04	-0.19	0.0	1.30	5.01	-1.68e-05	-0.01	6.03e-05	-1.18
		-1.18	2.74e-05	-2.82e-04	0.0	60.0	1.30	4.82	-1.68e-05	-0.01	2.74e-05	1.77
462	220	0.60	8.04e-06	1.93e-04	-0.19	0.0	5.53	-0.30	-8.45e-05	-8.17e-03	8.04e-06	0.60
		0.37	-5.87e-05	4.42e-05	0.0	60.0	5.53	-0.49	-8.45e-05	-8.17e-03	-5.87e-05	0.37
462	221	1.72	9.15e-05	2.10e-04	-0.19	0.0	-2.77	-3.62	1.72e-04	2.36e-03	-2.42e-05	1.72
		-0.51	-2.42e-05	1.10e-04	0.0	60.0	-2.77	-3.81	1.72e-04	2.36e-03	9.15e-05	-0.51
462	222	1.15	3.86e-05	-8.80e-05	-0.19	0.0	6.09	2.66	-1.26e-04	-1.93e-03	3.86e-05	-0.39
		-0.39	-4.98e-05	-1.07e-04	0.0	60.0	6.09	2.47	-1.26e-04	-1.93e-03	-4.98e-05	1.15
462	223	0.73	1.00e-04	-7.02e-05	-0.19	0.0	-2.21	-0.67	1.30e-04	8.60e-03	6.32e-06	0.73
		0.27	6.32e-06	-4.16e-05	0.0	60.0	-2.21	-0.85	1.30e-04	8.60e-03	1.00e-04	0.27
463	15	0.62	0.08	7.11e-06	-0.24	0.0	-3.15	0.07	-0.35	2.60e-03	0.08	0.61
		0.58	-0.13	2.13e-05	0.0	60.0	-3.15	-0.18	-0.35	2.60e-03	-0.13	0.58
463	20	0.47	0.08	4.50e-06	-0.19	0.0	-2.36	0.05	-0.34	1.57e-03	0.08	0.46
		0.44	-0.13	2.10e-05	0.0	60.0	-2.36	-0.13	-0.34	1.57e-03	-0.13	0.44
463	32	0.43	0.14	4.49e-05	-0.19	0.0	-2.82	-0.16	0.40	2.56e-03	-0.10	0.43
		0.28	-0.10	-2.57e-05	0.0	60.0	-2.82	-0.35	0.40	2.56e-03	0.14	0.28
463	43	0.57	0.24	3.97e-05	-0.24	0.0	-3.64	-0.10	0.68	3.40e-03	-0.17	0.57
		0.44	-0.17	-4.09e-05	0.0	60.0	-3.64	-0.34	0.68	3.40e-03	0.24	0.44
463	44	0.56	0.24	4.34e-05	-0.24	0.0	-3.62	-0.12	0.68	3.01e-03	-0.17	0.56
		0.41	-0.17	-4.12e-05	0.0	60.0	-3.62	-0.36	0.68	3.01e-03	0.24	0.41
463	45	0.45	0.24	1.05e-05	-0.19	0.0	-2.72	0.03	0.68	2.18e-03	-0.17	0.45
		0.41	-0.17	-3.93e-05	0.0	60.0	-2.72	-0.15	0.68	2.18e-03	0.24	0.41
463	72	0.48	0.05	4.42e-06	-0.19	0.0	-2.43	0.06	-0.23	2.00e-03	0.05	0.47
		0.45	-0.09	1.45e-05	0.0	60.0	-2.43	-0.13	-0.23	2.00e-03	-0.09	0.45
463	73	0.46	0.05	6.91e-06	-0.19	0.0	-2.42	0.04	-0.23	1.74e-03	0.05	0.46
		0.43	-0.09	1.43e-05	0.0	60.0	-2.42	-0.15	-0.23	1.74e-03	-0.09	0.43
463	80	0.44	0.09	3.39e-05	-0.19	0.0	-2.73	-0.10	0.27	2.40e-03	-0.07	0.44
		0.32	-0.07	-1.68e-05	0.0	60.0	-2.73	-0.29	0.27	2.40e-03	0.09	0.32
463	85	0.45	0.16	1.09e-05	-0.19	0.0	-2.66	0.03	0.45	2.15e-03	-0.11	0.45
		0.41	-0.11	-2.59e-05	0.0	60.0	-2.66	-0.16	0.45	2.15e-03	0.16	0.41
463	87	0.44	0.16	2.61e-05	-0.19	0.0	-2.76	-0.05	0.45	2.53e-03	-0.11	0.44
		0.36	-0.11	-2.70e-05	0.0	60.0	-2.76	-0.24	0.45	2.53e-03	0.16	0.36
463	88	0.43	0.16	2.86e-05	-0.19	0.0	-2.75	-0.07	0.45	2.27e-03	-0.11	0.43
		0.34	-0.11	-2.72e-05	0.0	60.0	-2.75	-0.26	0.45	2.27e-03	0.16	0.34
463	98	0.46	-3.16e-03	2.29e-05	-0.19	0.0	-2.62	-0.04	-3.94e-03	2.45e-03	-3.16e-03	0.46
		0.38	-5.52e-03	0.0	0.0	60.0	-2.62	-0.23	-3.94e-03	2.45e-03	-5.52e-03	0.38
463	102	0.47	8.48e-03	7.03e-06	-0.19	0.0	-2.51	0.05	-0.05	2.05e-03	8.48e-03	0.46
		0.43	-0.02	3.81e-06	0.0	60.0	-2.51	-0.14	-0.05	2.05e-03	-0.02	0.43
463	104	0.46	0.03	8.33e-06	-0.19	0.0	-2.56	0.04	0.09	2.08e-03	-0.02	0.46
		0.43	-0.02	-4.27e-06	0.0	60.0	-2.56	-0.15	0.09	2.08e-03	0.03	0.43
463	105	0.45	0.03	2.14e-05	-0.19	0.0	-2.64	-0.03	0.09	2.41e-03	-0.02	0.45
		0.38	-0.02	-5.21e-06	0.0	60.0	-2.64	-0.22	0.09	2.41e-03	0.03	0.38
463	106	0.46	-2.44e-03	7.68e-06	-0.19	0.0	-2.53	0.04	-3.05e-03	2.07e-03	-2.44e-03	0.46
		0.43	-4.27e-03	1.14e-06	0.0	60.0	-2.53	-0.15	-3.05e-03	2.07e-03	-4.27e-03	0.43
463	107	0.46	-3.05e-03	2.07e-05	-0.19	0.0	-2.61	-0.03	-3.81e-03	2.39e-03	-3.05e-03	0.46
		0.38	-5.34e-03	0.0	0.0	60.0	-2.61	-0.22	-3.81e-03	2.39e-03	-5.34e-03	0.38
463	108	-0.05	0.04	-2.93e-05	-0.19	0.0	-0.49	-1.59	0.02	-3.87e-03	0.04	-0.05
		-1.06	1.89e-03	3.07e-04	0.0	60.0	-0.49	-1.78	0.02	-3.87e-03	1.89e-03	-1.06
463	111	1.83	-0.01	7.08e-05	-0.19	0.0	-4.73	1.53	-0.02	8.65e-03	-0.05	0.96
		0.96	-0.05	-3.07e-04	0.0	60.0	-4.73	1.34	-0.02	8.65e-03	-0.01	1.83
463	112	-0.05	0.04	-2.26e-05	-0.19	0.0	-0.52	-1.94	0.05	-2.11e-03	0.04	-0.05
		-1.40	0.01	3.35e-04	0.0	60.0	-0.52	-2.12	0.05	-2.11e-03	0.01	-1.40
463	115	2.16	-0.03	6.41e-05	-0.19	0.0	-4.70	1.88	-0.06	6.90e-03	-0.04	0.96
		0.96	-0.04	-3.34e-04	0.0	60.0	-4.70	1.69	-0.06	6.90e-03	-0.03	2.16
463	125	0.08	0.15	4.12e-05	-0.19	0.0	-2.76	-1.11	0.39	3.55e-03	-0.07	0.08
		-0.63	-0.07	1.37e-04	0.0	60.0	-2.76	-1.29	0.39	3.55e-03	0.15	-0.63
463	126	1.40	0.06	-4.49e-06	-0.19	0.0	-2.46	1.05	-0.40	1.24e-03	0.06	0.84
		0.84	-0.16	-1.36e-04	0.0	60.0	-2.46	0.86	-0.40	1.24e-03	-0.16	1.40

463	140	-0.12	0.05	-3.56e-05	-0.19	0.0	-0.22	-1.78	0.02	-4.65e-03	0.05	-0.12
		-1.25	2.79e-03	3.46e-04	0.0	60.0	-0.22	-1.97	0.02	-4.65e-03	2.79e-03	-1.25
463	143	2.01	-0.01	7.71e-05	-0.19	0.0	-5.00	1.73	-0.03	9.43e-03	-0.06	1.03
		1.03	-0.06	-3.46e-04	0.0	60.0	-5.00	1.54	-0.03	9.43e-03	-0.01	2.01
463	144	-0.11	0.04	-2.80e-05	-0.19	0.0	-0.26	-2.18	0.05	-2.67e-03	0.04	-0.11
		-1.62	0.02	3.77e-04	0.0	60.0	-0.26	-2.37	0.05	-2.67e-03	0.02	-1.62
463	147	2.39	-0.03	6.94e-05	-0.19	0.0	-4.96	2.12	-0.06	7.45e-03	-0.05	1.02
		1.02	-0.05	-3.77e-04	0.0	60.0	-4.96	1.93	-0.06	7.45e-03	-0.03	2.39
463	157	0.03	0.17	4.39e-05	-0.19	0.0	-2.78	-1.24	0.44	3.69e-03	-0.07	0.03
		-0.76	-0.07	1.55e-04	0.0	60.0	-2.78	-1.43	0.44	3.69e-03	0.17	-0.76
463	158	1.53	0.07	-6.31e-06	-0.19	0.0	-2.44	1.19	-0.45	1.10e-03	0.07	0.89
		0.89	-0.18	-1.54e-04	0.0	60.0	-2.44	1.00	-0.45	1.10e-03	-0.18	1.53
463	172	-0.12	0.05	-3.24e-05	-0.19	0.0	-0.22	-1.78	0.01	-4.22e-03	0.05	-0.12
		-1.24	1.15e-03	3.39e-04	0.0	60.0	-0.22	-1.97	0.01	-4.22e-03	1.15e-03	-1.24
463	175	2.01	-0.01	7.39e-05	-0.19	0.0	-5.00	1.73	-0.02	9.00e-03	-0.05	1.03
		1.03	-0.05	-3.38e-04	0.0	60.0	-5.00	1.54	-0.02	9.00e-03	-0.01	2.01
463	176	-0.11	0.04	-2.40e-05	-0.19	0.0	-0.25	-2.19	0.05	-2.31e-03	0.04	-0.11
		-1.63	0.02	3.72e-04	0.0	60.0	-0.25	-2.37	0.05	-2.31e-03	0.02	-1.63
463	179	2.40	-0.03	6.55e-05	-0.19	0.0	-4.97	2.13	-0.06	7.09e-03	-0.05	1.03
		1.03	-0.05	-3.72e-04	0.0	60.0	-4.97	1.94	-0.06	7.09e-03	-0.03	2.40
463	189	0.02	0.17	4.56e-05	-0.19	0.0	-2.78	-1.26	0.43	3.69e-03	-0.07	0.02
		-0.78	-0.07	1.57e-04	0.0	60.0	-2.78	-1.45	0.43	3.69e-03	0.17	-0.78
463	190	1.55	0.07	-7.36e-06	-0.19	0.0	-2.44	1.21	-0.44	1.09e-03	0.07	0.89
		0.89	-0.18	-1.57e-04	0.0	60.0	-2.44	1.02	-0.44	1.09e-03	-0.18	1.55
463	204	-0.22	0.06	-3.98e-05	-0.19	0.0	0.21	-2.09	0.01	-5.14e-03	0.06	-0.22
		-1.53	1.64e-03	3.94e-04	0.0	60.0	0.21	-2.28	0.01	-5.14e-03	1.64e-03	-1.53
463	207	2.30	-0.01	8.13e-05	-0.19	0.0	-5.43	2.04	-0.02	9.93e-03	-0.06	1.13
		1.13	-0.06	-3.93e-04	0.0	60.0	-5.43	1.85	-0.02	9.93e-03	-0.01	2.30
463	216	-0.23	0.05	-6.57e-05	-0.19	0.0	0.17	-2.61	0.06	-3.19e-03	0.05	-0.23
		-2.03	0.02	4.84e-04	0.0	60.0	0.17	-2.79	0.06	-3.19e-03	0.02	-2.03
463	219	2.79	-0.03	1.07e-04	-0.19	0.0	-5.39	2.55	-0.06	7.98e-03	-0.05	1.14
		1.14	-0.05	-4.84e-04	0.0	60.0	-5.39	2.36	-0.06	7.98e-03	-0.03	2.79
463	221	-0.06	0.20	5.09e-05	-0.19	0.0	-2.82	-1.50	0.50	3.94e-03	-0.09	-0.06
		-1.00	-0.09	1.87e-04	0.0	60.0	-2.82	-1.69	0.50	3.94e-03	0.20	-1.00
463	222	1.77	0.08	-1.14e-05	-0.19	0.0	-2.40	1.44	-0.51	8.47e-04	0.08	0.97
		0.97	-0.21	-1.87e-04	0.0	60.0	-2.40	1.25	-0.51	8.47e-04	-0.21	1.77
464	12	0.44	0.01	3.03e-05	-0.19	0.0	-0.14	-0.13	-0.11	-1.20e-03	0.01	0.44
		0.31	-0.06	1.55e-05	0.0	60.0	-0.14	-0.32	-0.11	-1.20e-03	-0.06	0.31
464	18	0.60	0.02	2.70e-05	-0.24	0.0	-0.55	-0.15	-0.19	-2.77e-03	0.02	0.60
		0.43	-0.09	2.54e-05	0.0	60.0	-0.55	-0.40	-0.19	-2.77e-03	-0.09	0.43
464	19	0.46	0.02	4.17e-05	-0.19	0.0	0.25	-0.10	-0.19	-1.66e-03	0.02	0.46
		0.34	-0.09	1.95e-05	0.0	60.0	0.25	-0.29	-0.19	-1.66e-03	-0.09	0.34
464	27	0.62	0.10	1.56e-05	-0.24	0.0	-1.27	-0.14	0.22	-3.63e-03	-0.04	0.62
		0.46	-0.04	-5.85e-06	0.0	60.0	-1.27	-0.38	0.22	-3.63e-03	0.10	0.46
464	28	0.61	0.10	1.10e-05	-0.24	0.0	-1.39	-0.15	0.22	-3.37e-03	-0.04	0.61
		0.45	-0.04	-5.18e-06	0.0	60.0	-1.39	-0.39	0.22	-3.37e-03	0.10	0.45
464	45	0.46	0.17	3.06e-05	-0.19	0.0	-0.54	-0.09	0.37	-2.03e-03	-0.06	0.46
		0.35	-0.06	-2.45e-05	0.0	60.0	-0.54	-0.28	0.37	-2.03e-03	0.17	0.35
464	69	0.45	7.92e-03	3.06e-05	-0.19	0.0	-0.18	-0.12	-0.08	-1.44e-03	7.92e-03	0.45
		0.32	-0.04	1.26e-05	0.0	60.0	-0.18	-0.31	-0.08	-1.44e-03	-0.04	0.32
464	72	0.46	0.02	3.82e-05	-0.19	0.0	0.08	-0.10	-0.13	-1.75e-03	0.02	0.46
		0.34	-0.06	1.53e-05	0.0	60.0	0.08	-0.29	-0.13	-1.75e-03	-0.06	0.34
464	75	0.46	0.01	2.38e-05	-0.19	0.0	-0.36	-0.11	-0.13	-2.07e-03	0.01	0.46
		0.34	-0.06	1.76e-05	0.0	60.0	-0.36	-0.30	-0.13	-2.07e-03	-0.06	0.34
464	79	0.47	0.06	1.62e-05	-0.19	0.0	-0.83	-0.10	0.15	-2.64e-03	-0.02	0.47
		0.36	-0.02	-3.22e-06	0.0	60.0	-0.83	-0.29	0.15	-2.64e-03	0.06	0.36
464	80	0.47	0.06	1.31e-05	-0.19	0.0	-0.91	-0.11	0.15	-2.47e-03	-0.02	0.47
		0.34	-0.02	-2.78e-06	0.0	60.0	-0.91	-0.30	0.15	-2.47e-03	0.06	0.34
464	85	0.46	0.11	3.09e-05	-0.19	0.0	-0.44	-0.10	0.25	-1.99e-03	-0.04	0.46
		0.35	-0.04	-1.41e-05	0.0	60.0	-0.44	-0.29	0.25	-1.99e-03	0.11	0.35
464	98	0.47	-3.22e-03	2.34e-05	-0.19	0.0	-0.50	-0.10	-1.77e-03	-2.35e-03	-3.22e-03	0.47
		0.35	-4.28e-03	8.25e-06	0.0	60.0	-0.50	-0.29	-1.77e-03	-2.35e-03	-4.28e-03	0.35
464	99	0.46	-2.54e-03	3.35e-05	-0.19	0.0	-0.18	-0.10	-1.19e-03	-1.78e-03	-2.54e-03	0.46
		0.34	-3.26e-03	6.55e-06	0.0	60.0	-0.18	-0.29	-1.19e-03	-1.78e-03	-3.26e-03	0.34
464	102	0.46	1.04e-03	3.54e-05	-0.19	0.0	-0.10	-0.10	-0.03	-1.83e-03	1.04e-03	0.46
		0.34	-0.01	8.16e-06	0.0	60.0	-0.10	-0.29	-0.03	-1.83e-03	-0.01	0.34
464	103	0.47	4.28e-04	2.57e-05	-0.19	0.0	-0.41	-0.10	-0.03	-2.26e-03	4.28e-04	0.47
		0.35	-0.02	9.76e-06	0.0	60.0	-0.41	-0.29	-0.03	-2.26e-03	-0.02	0.35
464	104	0.46	0.02	3.40e-05	-0.19	0.0	-0.21	-0.10	0.05	-1.88e-03	-9.59e-03	0.46
		0.34	-9.59e-03	2.28e-06	0.0	60.0	-0.21	-0.29	0.05	-1.88e-03	0.02	0.34
464	105	0.47	0.02	2.42e-05	-0.19	0.0	-0.51	-0.10	0.05	-2.30e-03	-0.01	0.47
		0.35	-0.01	3.89e-06	0.0	60.0	-0.51	-0.29	0.05	-2.30e-03	0.02	0.35
464	106	0.46	-2.50e-03	3.47e-05	-0.19	0.0	-0.15	-0.10	-1.18e-03	-1.85e-03	-2.50e-03	0.46
		0.34	-3.21e-03	6.37e-06	0.0	60.0	-0.15	-0.29	-1.18e-03	-1.85e-03	-3.21e-03	0.34
464	107	0.47	-3.12e-03	2.50e-05	-0.19	0.0	-0.45	-0.10	-1.68e-03	-2.28e-03	-3.12e-03	0.47

		0.35	-4.13e-03	7.98e-06	0.0	60.0	-0.45	-0.29	-1.68e-03	-2.28e-03	-4.13e-03	0.35
464	112	0.57	-9.34e-04	1.09e-04	-0.19	0.0	2.58	-0.32	4.52e-03	-6.65e-03	-3.65e-03	0.57
		0.31	-3.65e-03	3.65e-04	0.0	60.0	2.58	-0.50	4.52e-03	-6.65e-03	-9.34e-04	0.31
464	115	0.39	-2.58e-03	-5.88e-05	-0.19	0.0	-3.49	0.11	-7.89e-03	2.09e-03	-2.58e-03	0.36
		0.36	-7.32e-03	-3.49e-04	0.0	60.0	-3.49	-0.08	-7.89e-03	2.09e-03	-7.32e-03	0.39
464	133	0.44	0.12	-1.85e-06	-0.19	0.0	-1.39	-0.09	0.28	-7.21e-03	-0.05	0.44
		0.37	-0.05	3.33e-05	0.0	60.0	-1.39	-0.28	0.28	-7.21e-03	0.12	0.37
464	134	0.49	0.04	4.98e-05	-0.19	0.0	0.48	-0.11	-0.28	2.66e-03	0.04	0.49
		0.33	-0.13	-1.74e-05	0.0	60.0	0.48	-0.30	-0.28	2.66e-03	-0.13	0.33
464	144	0.59	-5.21e-04	1.19e-04	-0.19	0.0	2.97	-0.34	5.33e-03	-7.19e-03	-3.72e-03	0.59
		0.30	-3.72e-03	4.10e-04	0.0	60.0	2.97	-0.53	5.33e-03	-7.19e-03	-5.21e-04	0.30
464	147	0.40	-2.51e-03	-6.94e-05	-0.19	0.0	-3.87	0.14	-8.69e-03	2.64e-03	-2.51e-03	0.35
		0.35	-7.73e-03	-3.94e-04	0.0	60.0	-3.87	-0.05	-8.69e-03	2.64e-03	-7.73e-03	0.40
464	165	0.44	0.13	-3.72e-06	-0.19	0.0	-1.51	-0.09	0.31	-7.83e-03	-0.06	0.44
		0.37	-0.06	3.60e-05	0.0	60.0	-1.51	-0.28	0.31	-7.83e-03	0.13	0.37
464	166	0.50	0.05	5.30e-05	-0.19	0.0	0.60	-0.12	-0.32	3.27e-03	0.05	0.50
		0.32	-0.14	-2.00e-05	0.0	60.0	0.60	-0.30	-0.32	3.27e-03	-0.14	0.32
464	176	0.58	-1.56e-03	1.17e-04	-0.19	0.0	2.97	-0.34	2.96e-03	-6.78e-03	-3.34e-03	0.58
		0.30	-3.34e-03	4.05e-04	0.0	60.0	2.97	-0.53	2.96e-03	-6.78e-03	-1.56e-03	0.30
464	179	0.39	-2.89e-03	-6.73e-05	-0.19	0.0	-3.88	0.14	-6.33e-03	2.23e-03	-2.89e-03	0.35
		0.35	-6.69e-03	-3.89e-04	0.0	60.0	-3.88	-0.05	-6.33e-03	2.23e-03	-6.69e-03	0.39
464	197	0.44	0.13	-4.46e-06	-0.19	0.0	-1.52	-0.09	0.31	-7.58e-03	-0.05	0.44
		0.37	-0.05	2.95e-05	0.0	60.0	-1.52	-0.28	0.31	-7.58e-03	0.13	0.37
464	198	0.50	0.05	5.40e-05	-0.19	0.0	0.61	-0.12	-0.31	3.03e-03	0.05	0.50
		0.33	-0.14	-1.35e-05	0.0	60.0	0.61	-0.31	-0.31	3.03e-03	-0.14	0.33
464	208	0.60	-1.53e-03	1.32e-04	-0.19	0.0	3.58	-0.39	2.81e-03	-7.33e-03	-3.23e-03	0.60
		0.29	-3.23e-03	4.72e-04	0.0	60.0	3.58	-0.58	2.81e-03	-7.33e-03	-1.53e-03	0.29
464	211	0.40	-3.01e-03	-8.23e-05	-0.19	0.0	-4.48	0.18	-6.18e-03	2.78e-03	-3.01e-03	0.33
		0.33	-6.72e-03	-4.56e-04	0.0	60.0	-4.48	-4.85e-03	-6.18e-03	2.78e-03	-6.72e-03	0.40
464	216	0.61	-2.59e-03	1.41e-04	-0.19	0.0	3.29	-0.39	-4.00e-04	-6.84e-03	-2.59e-03	0.61
		0.30	-0.09	5.20e-04	0.0	60.0	3.29	-0.58	-4.00e-04	-6.84e-03	-0.09	0.30
464	229	0.43	0.15	-9.56e-06	-0.19	0.0	-1.71	-0.08	0.36	-8.38e-03	-0.06	0.43
		0.37	-0.06	2.94e-05	0.0	60.0	-1.71	-0.27	0.36	-8.38e-03	0.15	0.37
464	230	0.50	0.06	5.96e-05	-0.19	0.0	0.80	-0.12	-0.36	3.83e-03	0.06	0.50
		0.32	-0.16	-1.34e-05	0.0	60.0	0.80	-0.31	-0.36	3.83e-03	-0.16	0.32
465	4	0.12	0.01	1.56e-05	-0.24	0.0	2.48	-0.87	0.02	-9.61e-03	2.47e-04	0.12
		-0.48	2.47e-04	-6.01e-06	0.0	60.0	2.48	-1.12	0.02	-9.61e-03	0.01	-0.48
465	18	0.12	8.91e-03	2.71e-05	-0.24	0.0	2.56	-0.85	0.01	-8.65e-03	1.31e-04	0.12
		-0.47	1.31e-04	-7.63e-06	0.0	60.0	2.56	-1.10	0.01	-8.65e-03	8.91e-03	-0.47
465	19	0.10	4.19e-03	4.51e-05	-0.19	0.0	1.56	-0.60	7.05e-03	-4.22e-03	-4.25e-05	0.10
		-0.31	-4.25e-05	-6.09e-06	0.0	60.0	1.56	-0.78	7.05e-03	-4.22e-03	4.19e-03	-0.31
465	28	0.15	0.01	1.08e-05	-0.24	0.0	1.43	-0.84	0.02	-9.75e-03	5.92e-04	0.15
		-0.43	5.92e-04	0.0	0.0	60.0	1.43	-1.08	0.02	-9.75e-03	0.01	-0.43
465	42	0.19	8.13e-03	4.26e-05	-0.24	0.0	0.24	-0.73	0.01	-6.71e-03	6.12e-04	0.19
		-0.32	6.12e-04	3.25e-06	0.0	60.0	0.24	-0.97	0.01	-6.71e-03	8.13e-03	-0.32
465	45	0.16	5.83e-03	3.72e-05	-0.19	0.0	-0.19	-0.54	8.83e-03	-4.45e-03	5.33e-04	0.16
		-0.22	5.33e-04	3.92e-06	0.0	60.0	-0.19	-0.72	8.83e-03	-4.45e-03	5.83e-03	-0.22
465	68	0.09	7.24e-03	1.70e-05	-0.19	0.0	1.73	-0.65	0.01	-6.87e-03	1.79e-04	0.09
		-0.36	1.79e-04	-4.12e-06	0.0	60.0	1.73	-0.84	0.01	-6.87e-03	7.24e-03	-0.36
465	72	0.11	4.56e-03	4.18e-05	-0.19	0.0	1.34	-0.59	7.54e-03	-4.45e-03	2.92e-05	0.11
		-0.31	2.92e-05	-4.51e-06	0.0	60.0	1.34	-0.78	7.54e-03	-4.45e-03	4.56e-03	-0.31
465	75	0.09	6.44e-03	2.46e-05	-0.19	0.0	1.78	-0.64	0.01	-6.23e-03	1.02e-04	0.09
		-0.35	1.02e-04	-5.20e-06	0.0	60.0	1.78	-0.83	0.01	-6.23e-03	6.44e-03	-0.35
465	80	0.12	7.90e-03	1.38e-05	-0.19	0.0	1.03	-0.63	0.01	-6.96e-03	4.10e-04	0.12
		-0.32	4.10e-04	0.0	0.0	60.0	1.03	-0.82	0.01	-6.96e-03	7.90e-03	-0.32
465	85	0.15	5.65e-03	3.66e-05	-0.19	0.0	0.18	-0.55	8.73e-03	-4.60e-03	4.13e-04	0.15
		-0.24	4.13e-04	2.17e-06	0.0	60.0	0.18	-0.74	8.73e-03	-4.60e-03	5.65e-03	-0.24
465	86	0.15	5.91e-03	3.50e-05	-0.19	0.0	0.24	-0.56	9.15e-03	-4.93e-03	4.23e-04	0.15
		-0.24	4.23e-04	2.06e-06	0.0	60.0	0.24	-0.75	9.15e-03	-4.93e-03	5.91e-03	-0.24
465	98	0.11	6.46e-03	2.38e-05	-0.19	0.0	1.19	-0.62	0.01	-5.95e-03	2.18e-04	0.11
		-0.32	2.18e-04	-1.77e-06	0.0	60.0	1.19	-0.81	0.01	-5.95e-03	6.46e-03	-0.32
465	102	0.12	4.78e-03	3.99e-05	-0.19	0.0	0.92	-0.58	7.76e-03	-4.50e-03	1.30e-04	0.12
		-0.29	1.30e-04	-1.86e-06	0.0	60.0	0.92	-0.77	7.76e-03	-4.50e-03	4.78e-03	-0.29
465	103	0.11	6.17e-03	2.65e-05	-0.19	0.0	1.24	-0.62	9.98e-03	-5.74e-03	1.84e-04	0.11
		-0.32	1.84e-04	-2.35e-06	0.0	60.0	1.24	-0.81	9.98e-03	-5.74e-03	6.17e-03	-0.32
465	104	0.13	5.00e-03	3.88e-05	-0.19	0.0	0.68	-0.57	7.99e-03	-4.53e-03	2.07e-04	0.13
		-0.27	2.07e-04	0.0	0.0	60.0	0.68	-0.76	7.99e-03	-4.53e-03	5.00e-03	-0.27
465	106	0.12	4.84e-03	3.94e-05	-0.19	0.0	0.81	-0.58	7.81e-03	-4.51e-03	1.55e-04	0.12
		-0.28	1.55e-04	-1.19e-06	0.0	60.0	0.81	-0.77	7.81e-03	-4.51e-03	4.84e-03	-0.28
465	107	0.11	6.23e-03	2.60e-05	-0.19	0.0	1.14	-0.62	0.01	-5.75e-03	2.09e-04	0.11
		-0.32	2.09e-04	-1.69e-06	0.0	60.0	1.14	-0.80	0.01	-5.75e-03	6.23e-03	-0.32
465	109	-3.53	4.67e-03	7.13e-05	-0.19	0.0	-3.27	-6.58	7.34e-03	-0.01	3.09e-04	-3.53
		-7.53	3.09e-04	1.99e-04	0.0	60.0	-3.27	-6.76	7.34e-03	-0.01	4.67e-03	-7.53
465	110	6.90	7.78e-03	-3.09e-05	-0.19	0.0	5.54	5.34	0.01	-4.46e-04	1.10e-04	3.75
		3.75	1.10e-04	-2.02e-04	0.0	60.0	5.54	5.15	0.01	-4.46e-04	7.78e-03	6.90

465	113	-2.87	4.66e-03	6.64e-05	-0.19	0.0	-3.56	-5.49	7.29e-03	-0.01	3.27e-04	-2.87
		-6.22	3.27e-04	1.91e-04	0.0	60.0	-3.56	-5.68	7.29e-03	-0.01	4.66e-03	-6.22
465	114	5.59	7.80e-03	-2.48e-05	-0.19	0.0	5.84	4.26	0.01	1.67e-03	9.12e-05	3.09
		3.09	9.12e-05	-1.94e-04	0.0	60.0	5.84	4.07	0.01	1.67e-03	7.80e-03	5.59
465	127	-2.11e-03	0.01	-1.25e-06	-0.19	0.0	-0.07	-0.81	0.02	-3.57e-04	3.83e-04	-2.11e-03
		-0.54	3.83e-04	-3.93e-05	0.0	60.0	-0.07	-1.00	0.02	-3.57e-04	0.01	-0.54
465	138	-0.05	3.74e-03	4.27e-05	-0.19	0.0	5.46	-0.87	6.29e-03	-4.41e-04	-5.30e-05	-0.05
		-0.62	-5.30e-05	-5.50e-05	0.0	60.0	5.46	-1.05	6.29e-03	-4.41e-04	3.74e-03	-0.62
465	141	-3.99	4.47e-03	7.78e-05	-0.19	0.0	-3.83	-7.33	7.00e-03	-0.01	3.21e-04	-3.99
		-8.45	3.21e-04	2.24e-04	0.0	60.0	-3.83	-7.52	7.00e-03	-0.01	4.47e-03	-8.45
465	142	7.82	7.98e-03	-3.72e-05	-0.19	0.0	6.10	6.10	0.01	2.14e-04	9.74e-05	4.21
		4.21	9.74e-05	-2.28e-04	0.0	60.0	6.10	5.91	0.01	2.14e-04	7.98e-03	7.82
465	145	-3.24	4.45e-03	7.20e-05	-0.19	0.0	-4.16	-6.11	6.94e-03	-0.01	3.42e-04	-3.24
		-6.97	3.42e-04	2.15e-04	0.0	60.0	-4.16	-6.30	6.94e-03	-0.01	4.45e-03	-6.97
465	146	6.34	8.00e-03	-3.02e-05	-0.19	0.0	6.43	4.88	0.01	2.59e-03	7.66e-05	3.47
		3.47	7.66e-05	-2.18e-04	0.0	60.0	6.43	4.69	0.01	2.59e-03	8.00e-03	6.34
465	159	-0.02	0.01	-4.51e-06	-0.19	0.0	-0.23	-0.84	0.02	3.08e-04	4.05e-04	-0.02
		-0.58	4.05e-04	-4.39e-05	0.0	60.0	-0.23	-1.03	0.02	3.08e-04	0.01	-0.58
465	170	-0.06	3.43e-03	4.44e-05	-0.19	0.0	6.01	-0.90	5.83e-03	2.05e-04	-8.53e-05	-0.06
		-0.66	-8.53e-05	-6.16e-05	0.0	60.0	6.01	-1.08	5.83e-03	2.05e-04	3.43e-03	-0.66
465	173	-4.02	4.43e-03	8.77e-05	-0.19	0.0	-3.85	-7.38	6.93e-03	-0.01	3.16e-04	-4.02
		-8.50	3.16e-04	2.24e-04	0.0	60.0	-3.85	-7.56	6.93e-03	-0.01	4.43e-03	-8.50
465	174	7.87	8.03e-03	-4.47e-05	-0.19	0.0	6.12	6.14	0.01	-2.56e-04	1.03e-04	4.24
		4.24	1.03e-04	-2.27e-04	0.0	60.0	6.12	5.95	0.01	-2.56e-04	8.03e-03	7.87
465	177	-3.25	4.43e-03	8.11e-05	-0.19	0.0	-4.15	-6.13	6.89e-03	-0.01	3.36e-04	-3.25
		-6.99	3.36e-04	2.13e-04	0.0	60.0	-4.15	-6.31	6.89e-03	-0.01	4.43e-03	-6.99
465	178	6.35	8.03e-03	-3.67e-05	-0.19	0.0	6.42	4.89	0.01	2.02e-03	8.22e-05	3.48
		3.48	8.22e-05	-2.16e-04	0.0	60.0	6.42	4.70	0.01	2.02e-03	8.03e-03	6.35
465	191	-0.04	0.01	-4.54e-06	-0.19	0.0	-0.22	-0.87	0.02	-2.33e-05	4.01e-04	-0.04
		-0.61	4.01e-04	-4.15e-05	0.0	60.0	-0.22	-1.06	0.02	-2.33e-05	0.01	-0.61
465	202	-0.05	3.53e-03	4.00e-05	-0.19	0.0	5.98	-0.88	5.97e-03	-1.06e-04	-7.77e-05	-0.05
		-0.64	-7.77e-05	-6.01e-05	0.0	60.0	5.98	-1.07	5.97e-03	-1.06e-04	3.53e-03	-0.64
465	209	-3.85	4.10e-03	9.64e-05	-0.19	0.0	-5.08	-7.10	6.32e-03	-0.01	3.55e-04	-3.85
		-8.17	3.55e-04	2.49e-04	0.0	60.0	-5.08	-7.29	6.32e-03	-0.01	4.10e-03	-8.17
465	210	7.54	8.36e-03	-5.06e-05	-0.19	0.0	7.35	5.87	0.01	3.06e-03	6.31e-05	4.07
		4.07	6.31e-05	-2.53e-04	0.0	60.0	7.35	5.68	0.01	3.06e-03	8.36e-03	7.54
465	216	-4.82	1.51e-03	1.18e-04	-0.19	0.0	-2.48	-8.68	2.27e-03	-0.01	1.66e-04	-4.82
		-10.08	1.66e-04	2.84e-04	0.0	60.0	-2.48	-8.87	2.27e-03	-0.01	1.51e-03	-10.08
465	219	9.45	0.01	-7.13e-05	-0.19	0.0	4.75	7.45	0.02	-2.19e-04	2.52e-04	5.04
		5.04	2.52e-04	-2.87e-04	0.0	60.0	4.75	7.26	0.02	-2.19e-04	0.01	9.45
465	234	-0.07	3.10e-03	3.98e-05	-0.19	0.0	6.81	-0.90	5.33e-03	7.62e-04	-1.24e-04	-0.07
		-0.67	-1.24e-04	-7.01e-05	0.0	60.0	6.81	-1.09	5.33e-03	7.62e-04	3.10e-03	-0.67
465	235	5.35	0.01	-3.96e-05	-0.19	0.0	-1.61	4.06	0.02	-8.14e-03	5.11e-04	2.97
		2.97	5.11e-04	-1.02e-04	0.0	60.0	-1.61	3.87	0.02	-8.14e-03	0.01	5.35
466	9	1.56	1.38e-04	1.31e-04	-0.98	0.0	-0.29	-0.46	1.31e-03	0.05	-3.00e-03	1.56
		-0.71	-3.00e-03	2.93e-06	0.0	240.0	-0.29	-1.44	1.31e-03	0.05	1.38e-04	-0.71
466	18	1.42	5.66e-04	5.17e-05	-0.98	0.0	-0.18	-0.34	2.31e-03	0.09	-4.97e-03	1.42
		-0.56	-4.97e-03	0.0	0.0	240.0	-0.18	-1.31	2.31e-03	0.09	5.66e-04	-0.56
466	19	1.21	1.24e-03	1.40e-04	-0.75	0.0	-0.04	-0.35	2.56e-03	0.10	-4.89e-03	1.21
		-0.55	-4.89e-03	-5.14e-06	0.0	240.0	-0.04	-1.11	2.56e-03	0.10	1.24e-03	-0.55
466	44	1.30	0.01	-4.39e-05	-0.98	0.0	-0.80	-0.26	-5.94e-03	-0.25	0.01	1.30
		-0.49	-4.17e-03	1.72e-05	0.0	240.0	-0.80	-1.23	-5.94e-03	-0.25	-4.17e-03	-0.49
466	45	1.09	0.01	9.96e-05	-0.75	0.0	-0.67	-0.27	-5.69e-03	-0.24	0.01	1.09
		-0.47	-3.49e-03	1.18e-05	0.0	240.0	-0.67	-1.03	-5.69e-03	-0.24	-3.49e-03	-0.47
466	69	1.20	4.52e-05	1.08e-04	-0.75	0.0	-0.24	-0.35	8.52e-04	0.03	-2.00e-03	1.20
		-0.55	-2.00e-03	2.65e-06	0.0	240.0	-0.24	-1.11	8.52e-04	0.03	4.52e-05	-0.55
466	72	1.18	6.31e-04	1.26e-04	-0.75	0.0	-0.15	-0.34	1.63e-03	0.06	-3.27e-03	1.18
		-0.53	-3.27e-03	-1.18e-06	0.0	240.0	-0.15	-1.09	1.63e-03	0.06	6.31e-04	-0.53
466	75	1.11	3.31e-04	5.50e-05	-0.75	0.0	-0.16	-0.27	1.52e-03	0.06	-3.32e-03	1.11
		-0.45	-3.32e-03	1.01e-06	0.0	240.0	-0.16	-1.02	1.52e-03	0.06	3.31e-04	-0.45
466	85	1.10	6.77e-03	9.88e-05	-0.75	0.0	-0.56	-0.28	-3.87e-03	-0.17	6.77e-03	1.10
		-0.48	-2.53e-03	1.01e-05	0.0	240.0	-0.56	-1.04	-3.87e-03	-0.17	-2.53e-03	-0.48
466	88	1.03	6.72e-03	2.81e-05	-0.75	0.0	-0.58	-0.22	-3.98e-03	-0.17	6.72e-03	1.03
		-0.40	-2.83e-03	1.22e-05	0.0	240.0	-0.58	-0.97	-3.98e-03	-0.17	-2.83e-03	-0.40
466	99	1.15	-3.33e-05	1.11e-04	-0.75	0.0	-0.35	-0.32	-2.15e-04	-0.02	-3.33e-05	1.15
		-0.52	-5.49e-04	6.48e-06	0.0	240.0	-0.35	-1.07	-2.15e-04	-0.02	-5.49e-04	-0.52
466	102	1.16	-2.93e-04	1.16e-04	-0.75	0.0	-0.31	-0.32	1.60e-04	-3.97e-04	-6.78e-04	1.16
		-0.51	-6.78e-04	4.81e-06	0.0	240.0	-0.31	-1.07	1.60e-04	-3.97e-04	-2.93e-04	-0.51
466	104	1.14	1.33e-03	1.11e-04	-0.75	0.0	-0.39	-0.31	-9.40e-04	-0.05	1.33e-03	1.14
		-0.51	-9.24e-04	7.08e-06	0.0	240.0	-0.39	-1.06	-9.40e-04	-0.05	-9.24e-04	-0.51
466	105	1.06	1.30e-03	5.57e-05	-0.75	0.0	-0.40	-0.24	-1.01e-03	-0.05	1.30e-03	1.06
		-0.42	-1.13e-03	8.48e-06	0.0	240.0	-0.40	-1.00	-1.01e-03	-0.05	-1.13e-03	-0.42
466	106	1.15	-2.86e-05	1.14e-04	-0.75	0.0	-0.35	-0.32	-2.06e-04	-0.02	-2.86e-05	1.15
		-0.51	-5.24e-04	6.31e-06	0.0	240.0	-0.35	-1.07	-2.06e-04	-0.02	-5.24e-04	-0.51
466	107	1.07	-5.56e-05	5.86e-05	-0.75	0.0	-0.36	-0.25	-2.81e-04	-0.02	-5.56e-05	1.07

		-0.43	-7.29e-04	7.71e-06	0.0	240.0	-0.36	-1.00	-2.81e-04	-0.02	-7.29e-04	-0.43
466	109	13.00	-2.91e-04	1.29e-03	-0.75	0.0	-2.61	-9.37	3.82e-04	-4.22e-03	-1.21e-03	13.00
		-10.40	-1.21e-03	1.19e-03	0.0	240.0	-2.61	-10.13	3.82e-04	-4.22e-03	-2.91e-04	-10.40
466	110	9.54	1.10e-03	-1.17e-03	-0.75	0.0	1.88	8.88	-9.43e-04	-0.03	1.10e-03	-10.86
		-10.86	-1.17e-03	-1.17e-03	0.0	240.0	1.88	8.12	-9.43e-04	-0.03	-1.17e-03	9.54
466	137	0.61	-3.02e-04	3.11e-04	-0.75	0.0	-2.86	0.14	5.38e-04	-0.05	-1.60e-03	0.58
		0.01	-1.60e-03	2.07e-04	0.0	240.0	-2.86	-0.62	5.38e-04	-0.05	-3.02e-04	0.01
466	138	1.56	1.49e-03	-1.93e-04	-0.75	0.0	2.13	-0.63	-1.10e-03	9.63e-03	1.49e-03	1.56
		-0.87	-1.16e-03	-1.91e-04	0.0	240.0	2.13	-1.39	-1.10e-03	9.63e-03	-1.16e-03	-0.87
466	141	14.52	-2.35e-04	1.45e-03	-0.75	0.0	-2.89	-10.54	4.66e-04	-2.34e-03	-1.36e-03	14.52
		-11.67	-1.36e-03	1.34e-03	0.0	240.0	-2.89	-11.29	4.66e-04	-2.34e-03	-2.35e-04	-11.67
466	142	10.81	1.25e-03	-1.33e-03	-0.75	0.0	2.17	10.04	-1.03e-03	-0.04	1.25e-03	-12.37
		-12.37	-1.22e-03	-1.32e-03	0.0	240.0	2.17	9.28	-1.03e-03	-0.04	-1.22e-03	10.81
466	169	0.58	-2.48e-04	3.41e-04	-0.75	0.0	-3.17	0.18	6.41e-04	-0.05	-1.79e-03	0.52
		0.06	-1.79e-03	2.31e-04	0.0	240.0	-3.17	-0.57	6.41e-04	-0.05	-2.48e-04	0.06
466	170	1.62	1.68e-03	-2.24e-04	-0.75	0.0	2.45	-0.68	-1.20e-03	0.01	1.68e-03	1.62
		-0.92	-1.21e-03	-2.16e-04	0.0	240.0	2.45	-1.44	-1.20e-03	0.01	-1.21e-03	-0.92
466	173	14.60	-2.33e-04	1.42e-03	-0.75	0.0	-2.90	-10.60	4.69e-04	-2.93e-03	-1.36e-03	14.60
		-11.74	-1.36e-03	1.32e-03	0.0	240.0	-2.90	-11.35	4.69e-04	-2.93e-03	-2.33e-04	-11.74
466	174	10.88	1.25e-03	-1.30e-03	-0.75	0.0	2.18	10.10	-1.03e-03	-0.04	1.25e-03	-12.45
		-12.45	-1.22e-03	-1.31e-03	0.0	240.0	2.18	9.35	-1.03e-03	-0.04	-1.22e-03	10.88
466	185	11.92	-1.88e-04	1.35e-03	-0.75	0.0	-3.22	-8.55	5.89e-04	-8.41e-03	-1.60e-03	11.92
		-9.50	-1.60e-03	1.31e-03	0.0	240.0	-3.22	-9.30	5.89e-04	-8.41e-03	-1.88e-04	-9.50
466	186	8.64	1.49e-03	-1.23e-03	-0.75	0.0	2.50	8.05	-1.15e-03	-0.03	1.49e-03	-9.77
		-9.77	-1.27e-03	-1.30e-03	0.0	240.0	2.50	7.29	-1.15e-03	-0.03	-1.27e-03	8.64
466	201	0.59	-2.50e-04	3.28e-04	-0.75	0.0	-3.15	0.16	6.33e-04	-0.05	-1.78e-03	0.55
		0.03	-1.78e-03	2.21e-04	0.0	240.0	-3.15	-0.59	6.33e-04	-0.05	-2.50e-04	0.03
466	202	1.60	1.66e-03	-2.11e-04	-0.75	0.0	2.43	-0.66	-1.19e-03	0.01	1.66e-03	1.60
		-0.89	-1.21e-03	-2.05e-04	0.0	240.0	2.43	-1.41	-1.19e-03	0.01	-1.21e-03	-0.89
466	216	17.20	-3.21e-04	1.68e-03	-0.75	0.0	-2.31	-12.59	2.62e-04	0.02	-9.49e-04	17.20
		-13.93	-9.49e-04	1.72e-03	0.0	240.0	-2.31	-13.35	2.62e-04	0.02	-3.21e-04	-13.93
466	217	14.22	-7.89e-05	1.59e-03	-0.75	0.0	-3.79	-10.31	7.61e-04	-6.40e-03	-1.91e-03	14.22
		-11.42	-1.91e-03	1.58e-03	0.0	240.0	-3.79	-11.06	7.61e-04	-6.40e-03	-7.89e-05	-11.42
466	218	10.56	1.80e-03	-1.47e-03	-0.75	0.0	3.07	9.81	-1.32e-03	-0.03	1.80e-03	-12.08
		-12.08	-1.38e-03	-1.56e-03	0.0	240.0	3.07	9.06	-1.32e-03	-0.03	-1.38e-03	10.56
466	219	13.07	8.37e-04	-1.57e-03	-0.75	0.0	1.59	12.09	-8.23e-04	-0.06	8.37e-04	-15.06
		-15.06	-1.14e-03	-1.71e-03	0.0	240.0	1.59	11.34	-8.23e-04	-0.06	-1.14e-03	13.07
466	233	0.56	-1.67e-04	3.73e-04	-0.75	0.0	-3.63	0.19	7.89e-04	-0.06	-2.07e-03	0.50
		0.07	-2.07e-03	2.57e-04	0.0	240.0	-3.63	-0.56	7.89e-04	-0.06	-1.67e-04	0.07
466	234	1.64	1.96e-03	-2.56e-04	-0.75	0.0	2.91	-0.69	-1.35e-03	0.02	1.96e-03	1.64
		-0.93	-1.29e-03	-2.42e-04	0.0	240.0	2.91	-1.45	-1.35e-03	0.02	-1.29e-03	-0.93
467	15	0.74	1.81e-03	-2.54e-04	-0.98	0.0	0.23	1.02	-3.36e-03	-0.13	1.81e-03	-0.54
		-0.54	-6.25e-03	4.51e-06	0.0	240.0	0.23	0.05	-3.36e-03	-0.13	-6.25e-03	0.74
467	18	0.51	1.23e-03	-2.48e-04	-0.98	0.0	0.17	0.73	-3.27e-03	-0.13	1.23e-03	-0.16
		-0.16	-6.62e-03	7.41e-06	0.0	240.0	0.17	-0.24	-3.27e-03	-0.13	-6.62e-03	0.43
467	19	0.61	2.08e-03	-1.96e-04	-0.75	0.0	0.32	0.83	-3.39e-03	-0.13	2.08e-03	-0.48
		-0.48	-6.05e-03	2.28e-06	0.0	240.0	0.32	0.08	-3.39e-03	-0.13	-6.05e-03	0.61
467	44	0.52	0.01	-2.49e-04	-0.98	0.0	-1.11	0.70	7.46e-03	0.25	-6.38e-03	-0.07
		-0.07	-6.38e-03	1.29e-05	0.0	240.0	-1.11	-0.28	7.46e-03	0.25	0.01	0.43
467	45	0.61	0.01	-1.98e-04	-0.75	0.0	-0.95	0.79	7.34e-03	0.25	-5.53e-03	-0.39
		-0.39	-5.53e-03	7.54e-06	0.0	240.0	-0.95	0.04	7.34e-03	0.25	0.01	0.61
467	72	0.59	1.16e-03	-1.95e-04	-0.75	0.0	0.12	0.80	-2.24e-03	-0.08	1.16e-03	-0.44
		-0.44	-4.21e-03	3.80e-06	0.0	240.0	0.12	0.05	-2.24e-03	-0.08	-4.21e-03	0.59
467	75	0.41	7.69e-04	-1.91e-04	-0.75	0.0	0.08	0.61	-2.18e-03	-0.08	7.69e-04	-0.18
		-0.18	-4.46e-03	5.73e-06	0.0	240.0	0.08	-0.14	-2.18e-03	-0.08	-4.46e-03	0.38
467	85	0.58	7.88e-03	-1.97e-04	-0.75	0.0	-0.73	0.78	4.91e-03	0.17	-3.91e-03	-0.38
		-0.38	-3.91e-03	7.47e-06	0.0	240.0	-0.73	0.02	4.91e-03	0.17	7.88e-03	0.58
467	88	0.42	7.63e-03	-1.93e-04	-0.75	0.0	-0.77	0.58	4.97e-03	0.17	-4.30e-03	-0.12
		-0.12	-4.30e-03	9.41e-06	0.0	240.0	-0.77	-0.17	4.97e-03	0.17	7.63e-03	0.38
467	102	0.58	-2.44e-04	-1.95e-04	-0.75	0.0	-0.21	0.79	-4.04e-04	-0.02	-2.44e-04	-0.41
		-0.41	-1.21e-03	6.32e-06	0.0	240.0	-0.21	0.04	-4.04e-04	-0.02	-1.21e-03	0.58
467	104	0.58	1.20e-03	-1.96e-04	-0.75	0.0	-0.38	0.79	1.03e-03	0.03	-1.26e-03	-0.40
		-0.40	-1.26e-03	7.05e-06	0.0	240.0	-0.38	0.03	1.03e-03	0.03	1.20e-03	0.58
467	105	0.45	1.04e-03	-1.93e-04	-0.75	0.0	-0.40	0.66	1.07e-03	0.03	-1.53e-03	-0.23
		-0.23	-1.53e-03	8.53e-06	0.0	240.0	-0.40	-0.10	1.07e-03	0.03	1.04e-03	0.44
467	106	0.58	-4.66e-04	-1.95e-04	-0.75	0.0	-0.29	0.79	5.36e-05	1.73e-04	-5.95e-04	-0.41
		-0.41	-5.95e-04	6.95e-06	0.0	240.0	-0.29	0.04	5.36e-05	1.73e-04	-4.66e-04	0.58
467	107	0.45	-6.31e-04	-1.93e-04	-0.75	0.0	-0.31	0.66	9.61e-05	4.19e-04	-8.61e-04	-0.24
		-0.24	-8.61e-04	8.42e-06	0.0	240.0	-0.31	-0.09	9.61e-05	4.19e-04	-6.31e-04	0.44
467	112	13.50	-8.12e-04	4.53e-04	-0.75	0.0	1.41	-9.49	3.85e-04	-0.02	-8.12e-04	13.50
		-10.16	-1.20e-03	1.21e-03	0.0	240.0	1.41	-10.24	3.85e-04	-0.02	-1.20e-03	-10.16
467	115	11.04	-6.28e-05	-8.39e-04	-0.75	0.0	-2.03	10.80	-1.93e-04	0.02	-9.11e-04	-13.98
		-13.98	-9.11e-04	-1.19e-03	0.0	240.0	-2.03	10.05	-1.93e-04	0.02	-6.28e-05	11.04
467	124	0.70	2.77e-04	-2.33e-05	-0.75	0.0	3.02	0.91	-3.73e-04	-0.04	2.77e-04	-0.58
		-0.58	-4.90e-04	2.02e-04	0.0	240.0	3.02	0.16	-3.73e-04	-0.04	-4.90e-04	0.70

467	125	7.59	-1.19e-03	-1.08e-04	-0.75	0.0	-3.10	-5.13	8.08e-04	0.03	-2.17e-03	7.59
		-5.61	-2.17e-03	5.04e-04	0.0	240.0	-3.10	-5.88	8.08e-04	0.03	-1.19e-03	-5.61
467	126	6.48	4.52e-04	-3.84e-04	-0.75	0.0	2.48	6.44	-6.15e-04	-0.03	4.52e-04	-8.07
		-8.07	-7.30e-05	-4.87e-04	0.0	240.0	2.48	5.69	-6.15e-04	-0.03	-7.30e-05	6.48
467	127	0.36	-7.72e-04	-3.85e-04	-0.75	0.0	-3.64	0.41	5.65e-04	0.04	-2.00e-03	0.10
		0.10	-2.00e-03	-1.85e-04	0.0	240.0	-3.64	-0.35	5.65e-04	0.04	-7.72e-04	0.17
467	144	15.25	-8.06e-04	5.36e-04	-0.75	0.0	1.63	-10.78	4.22e-04	-0.02	-8.06e-04	15.25
		-11.51	-1.27e-03	1.36e-03	0.0	240.0	1.63	-11.53	4.22e-04	-0.02	-1.27e-03	-11.51
467	147	12.39	8.52e-06	-9.22e-04	-0.75	0.0	-2.25	12.09	-2.30e-04	0.02	-9.17e-04	-15.73
		-15.73	-9.17e-04	-1.35e-03	0.0	240.0	-2.25	11.34	-2.30e-04	0.02	8.52e-06	12.39
467	156	0.75	4.19e-04	2.32e-05	-0.75	0.0	3.43	0.95	-4.31e-04	-0.04	4.19e-04	-0.63
		-0.63	-4.73e-04	2.25e-04	0.0	240.0	3.43	0.20	-4.31e-04	-0.04	-4.73e-04	0.75
467	157	8.60	-1.26e-03	-1.12e-04	-0.75	0.0	-3.44	-5.87	8.97e-04	0.04	-2.34e-03	8.60
		-6.39	-2.34e-03	5.68e-04	0.0	240.0	-3.44	-6.62	8.97e-04	0.04	-1.26e-03	-6.39
467	158	7.26	6.16e-04	-4.09e-04	-0.75	0.0	2.82	7.19	-7.04e-04	-0.04	6.16e-04	-9.08
		-9.08	-4.64e-06	-5.51e-04	0.0	240.0	2.82	6.43	-7.04e-04	-0.04	-4.64e-06	7.26
467	159	0.37	-7.88e-04	-4.09e-04	-0.75	0.0	-4.05	0.36	6.24e-04	0.04	-2.14e-03	0.16
		0.13	-2.14e-03	-2.08e-04	0.0	240.0	-4.05	-0.39	6.24e-04	0.04	-7.88e-04	0.13
467	176	15.35	-8.11e-04	5.43e-04	-0.75	0.0	1.62	-10.85	4.15e-04	-0.02	-8.11e-04	15.35
		-11.59	-1.24e-03	1.35e-03	0.0	240.0	1.62	-11.60	4.15e-04	-0.02	-1.24e-03	-11.59
467	179	12.46	-1.77e-05	-9.29e-04	-0.75	0.0	-2.24	12.16	-2.23e-04	0.02	-9.12e-04	-15.82
		-15.82	-9.12e-04	-1.33e-03	0.0	240.0	-2.24	11.41	-2.23e-04	0.02	-1.77e-05	12.46
467	192	0.86	3.98e-04	2.69e-05	-0.75	0.0	3.37	1.06	-4.34e-04	-0.04	3.98e-04	-0.79
		-0.79	-5.64e-05	2.31e-04	0.0	240.0	3.37	0.31	-4.34e-04	-0.04	-5.64e-05	0.86
467	193	8.65	-7.95e-04	-1.08e-04	-0.75	0.0	-3.37	-5.90	8.77e-04	0.04	-2.32e-03	8.65
		-6.42	-2.32e-03	6.09e-04	0.0	240.0	-3.37	-6.66	8.77e-04	0.04	-7.95e-04	-6.42
467	194	7.30	5.98e-04	-4.26e-04	-0.75	0.0	2.75	7.22	-6.85e-04	-0.04	5.98e-04	-9.13
		-9.13	-4.67e-04	-5.92e-04	0.0	240.0	2.75	6.47	-6.85e-04	-0.04	-4.67e-04	7.30
467	195	0.41	-1.21e-03	-4.13e-04	-0.75	0.0	-3.99	0.25	6.26e-04	0.04	-2.12e-03	0.31
		0.01	-2.12e-03	-2.14e-04	0.0	240.0	-3.99	-0.50	6.26e-04	0.04	-1.21e-03	0.01
467	216	18.31	3.40e-04	7.36e-04	-0.75	0.0	2.02	-13.03	4.52e-04	-1.81e-03	-8.28e-04	18.31
		-13.87	-8.28e-04	1.74e-03	0.0	240.0	2.02	-13.79	4.52e-04	-1.81e-03	3.40e-04	-13.87
467	219	14.75	-8.95e-04	-1.12e-03	-0.75	0.0	-2.64	14.35	-2.59e-04	2.64e-03	-8.95e-04	-18.79
		-18.79	-1.60e-03	-1.72e-03	0.0	240.0	-2.64	13.60	-2.59e-04	2.64e-03	-1.60e-03	14.75
467	224	0.89	6.00e-04	6.88e-05	-0.75	0.0	3.97	1.09	-5.20e-04	-0.04	6.00e-04	-0.82
		-0.82	4.07e-05	2.71e-04	0.0	240.0	3.97	0.33	-5.20e-04	-0.04	4.07e-05	0.89
467	225	10.44	-8.18e-04	-1.16e-04	-0.75	0.0	-3.84	-7.22	1.01e-03	0.05	-2.56e-03	10.44
		-7.80	-2.56e-03	7.34e-04	0.0	240.0	-3.84	-7.97	1.01e-03	0.05	-8.18e-04	-7.80
467	226	8.67	8.41e-04	-4.79e-04	-0.75	0.0	3.22	8.54	-8.19e-04	-0.05	8.41e-04	-10.91
		-10.91	-4.43e-04	-7.17e-04	0.0	240.0	3.22	7.78	-8.19e-04	-0.05	-4.43e-04	8.67
467	227	0.42	-1.30e-03	-4.55e-04	-0.75	0.0	-4.59	0.23	7.12e-04	0.04	-2.32e-03	0.34
		-0.01	-2.32e-03	-2.55e-04	0.0	240.0	-4.59	-0.52	7.12e-04	0.04	-1.30e-03	-0.01
468	18	2.71	5.43e-04	3.90e-04	-0.98	0.0	-0.17	-1.28	2.40e-03	0.08	-5.22e-03	2.71
		-1.52	-5.22e-03	8.58e-06	0.0	240.0	-0.17	-2.25	2.40e-03	0.08	5.43e-04	-1.52
468	19	1.69	1.23e-03	2.67e-04	-0.75	0.0	0.09	-0.71	2.59e-03	0.10	-4.99e-03	1.69
		-0.90	-4.99e-03	4.28e-06	0.0	240.0	0.09	-1.46	2.59e-03	0.10	1.23e-03	-0.90
468	28	2.94	5.72e-03	4.11e-04	-0.98	0.0	-1.10	-1.44	-3.69e-03	-0.17	5.72e-03	2.94
		-1.69	-3.14e-03	8.93e-06	0.0	240.0	-1.10	-2.42	-3.69e-03	-0.17	-3.14e-03	-1.69
468	44	2.81	9.87e-03	4.04e-04	-0.98	0.0	-1.28	-1.36	-5.86e-03	-0.26	9.87e-03	2.81
		-1.63	-4.18e-03	6.59e-06	0.0	240.0	-1.28	-2.34	-5.86e-03	-0.26	-4.18e-03	-1.63
468	45	1.79	0.01	2.81e-04	-0.75	0.0	-1.02	-0.79	-5.67e-03	-0.24	0.01	1.79
		-1.01	-3.49e-03	2.28e-06	0.0	240.0	-1.02	-1.55	-5.67e-03	-0.24	-3.49e-03	-1.01
468	72	1.74	6.23e-04	2.72e-04	-0.75	0.0	-0.10	-0.74	1.67e-03	0.06	-3.38e-03	1.74
		-0.95	-3.38e-03	4.98e-06	0.0	240.0	-0.10	-1.50	1.67e-03	0.06	6.23e-04	-0.95
468	75	2.03	3.16e-04	2.95e-04	-0.75	0.0	-0.17	-0.94	1.59e-03	0.05	-3.49e-03	2.03
		-1.13	-3.49e-03	6.44e-06	0.0	240.0	-0.17	-1.69	1.59e-03	0.05	3.16e-04	-1.13
468	80	2.17	3.80e-03	3.10e-04	-0.75	0.0	-0.79	-1.05	-2.47e-03	-0.11	3.80e-03	2.17
		-1.25	-2.14e-03	6.67e-06	0.0	240.0	-0.79	-1.80	-2.47e-03	-0.11	-2.14e-03	-1.25
468	85	1.81	6.68e-03	2.81e-04	-0.75	0.0	-0.84	-0.80	-3.83e-03	-0.17	6.68e-03	1.81
		-1.02	-2.53e-03	3.65e-06	0.0	240.0	-0.84	-1.55	-3.83e-03	-0.17	-2.53e-03	-1.02
468	88	2.09	6.57e-03	3.05e-04	-0.75	0.0	-0.91	-1.00	-3.92e-03	-0.17	6.57e-03	2.09
		-1.20	-2.83e-03	5.11e-06	0.0	240.0	-0.91	-1.75	-3.92e-03	-0.17	-2.83e-03	-1.20
468	98	2.00	-2.32e-04	2.93e-04	-0.75	0.0	-0.53	-0.92	-2.23e-04	-0.02	-2.32e-04	2.00
		-1.12	-7.67e-04	7.46e-06	0.0	240.0	-0.53	-1.67	-2.23e-04	-0.02	-7.67e-04	-1.12
468	101	1.99	-2.33e-04	2.94e-04	-0.75	0.0	-0.53	-0.92	-2.18e-04	-0.02	-2.33e-04	1.99
		-1.12	-7.57e-04	7.31e-06	0.0	240.0	-0.53	-1.67	-2.18e-04	-0.02	-7.57e-04	-1.12
468	102	1.77	-2.94e-04	2.76e-04	-0.75	0.0	-0.40	-0.77	2.11e-04	-9.43e-04	-8.00e-04	1.77
		-0.98	-8.00e-04	5.89e-06	0.0	240.0	-0.40	-1.52	2.11e-04	-9.43e-04	-2.94e-04	-0.98
468	104	1.79	1.21e-03	2.78e-04	-0.75	0.0	-0.54	-0.78	-8.90e-04	-0.05	1.21e-03	1.79
		-0.99	-9.24e-04	5.62e-06	0.0	240.0	-0.54	-1.53	-8.90e-04	-0.05	-9.24e-04	-0.99
468	105	1.97	1.15e-03	2.92e-04	-0.75	0.0	-0.60	-0.91	-9.49e-04	-0.05	1.15e-03	1.97
		-1.11	-1.13e-03	6.77e-06	0.0	240.0	-0.60	-1.66	-9.49e-04	-0.05	-1.13e-03	-1.11
468	106	1.78	-1.54e-04	2.77e-04	-0.75	0.0	-0.47	-0.78	-1.54e-04	-0.02	-1.54e-04	1.78
		-0.99	-5.23e-04	6.11e-06	0.0	240.0	-0.47	-1.53	-1.54e-04	-0.02	-5.23e-04	-0.99
468	107	1.97	-2.21e-04	2.91e-04	-0.75	0.0	-0.52	-0.90	-2.13e-04	-0.02	-2.21e-04	1.97

		-1.10	-7.32e-04	7.26e-06	0.0	240.0	-0.52	-1.65	-2.13e-04	-0.02	-7.32e-04	-1.10
468	112	14.44	-5.11e-04	1.42e-03	-0.75	0.0	-1.68	-10.45	6.27e-05	-4.43e-03	-6.60e-04	14.44
		-11.54	-6.60e-04	1.20e-03	0.0	240.0	-1.68	-11.20	6.27e-05	-4.43e-03	-5.11e-04	-11.54
468	125	9.05	-2.82e-04	6.50e-04	-0.75	0.0	-3.87	-6.32	6.48e-04	-0.04	-1.84e-03	9.05
		-7.01	-1.84e-03	5.31e-04	0.0	240.0	-3.87	-7.07	6.48e-04	-0.04	-2.82e-04	-7.01
468	126	4.81	1.40e-03	-9.73e-05	-0.75	0.0	2.82	4.51	-1.07e-03	2.81e-03	1.40e-03	-5.12
		-5.12	-1.18e-03	-5.17e-04	0.0	240.0	2.82	3.76	-1.07e-03	2.81e-03	-1.18e-03	4.81
468	133	1.56	-4.67e-04	6.86e-04	-0.75	0.0	-4.15	-0.58	4.37e-04	-0.04	-1.53e-03	1.56
		-0.73	-1.53e-03	2.05e-04	0.0	240.0	-4.15	-1.33	4.37e-04	-0.04	-4.67e-04	-0.73
468	134	2.37	1.09e-03	-1.04e-04	-0.75	0.0	3.10	-1.22	-8.63e-04	5.24e-03	1.09e-03	2.37
		-1.47	-9.97e-04	-1.90e-04	0.0	240.0	3.10	-1.98	-8.63e-04	5.24e-03	-9.97e-04	-1.47
468	144	16.03	-4.83e-04	1.56e-03	-0.75	0.0	-1.83	-11.66	9.79e-05	-2.52e-03	-7.17e-04	16.03
		-12.87	-7.17e-04	1.35e-03	0.0	240.0	-1.83	-12.41	9.79e-05	-2.52e-03	-4.83e-04	-12.87
468	157	9.97	-2.25e-04	6.97e-04	-0.75	0.0	-4.29	-7.01	7.56e-04	-0.05	-2.04e-03	9.97
		-7.77	-2.04e-03	6.00e-04	0.0	240.0	-4.29	-7.77	7.56e-04	-0.05	-2.25e-04	-7.77
468	158	5.57	1.60e-03	-1.40e-04	-0.75	0.0	3.24	5.21	-1.18e-03	5.59e-03	1.60e-03	-6.03
		-6.03	-1.24e-03	-5.85e-04	0.0	240.0	3.24	4.46	-1.18e-03	5.59e-03	-1.24e-03	5.57
468	165	1.50	-4.35e-04	7.35e-04	-0.75	0.0	-4.60	-0.53	5.17e-04	-0.05	-1.69e-03	1.50
		-0.67	-1.69e-03	2.28e-04	0.0	240.0	-4.60	-1.28	5.17e-04	-0.05	-4.35e-04	-0.67
468	166	2.44	1.25e-03	-1.53e-04	-0.75	0.0	3.55	-1.28	-9.43e-04	8.35e-03	1.25e-03	2.44
		-1.53	-1.03e-03	-2.13e-04	0.0	240.0	3.55	-2.03	-9.43e-04	8.35e-03	-1.03e-03	-1.53
468	176	16.11	-4.88e-04	1.57e-03	-0.75	0.0	-1.87	-11.73	9.47e-05	-2.94e-03	-7.13e-04	16.11
		-12.94	-7.13e-04	1.34e-03	0.0	240.0	-1.87	-12.48	9.47e-05	-2.94e-03	-4.88e-04	-12.94
468	189	10.07	-2.31e-04	7.12e-04	-0.75	0.0	-4.26	-7.10	7.46e-04	-0.04	-2.02e-03	10.07
		-7.87	-2.02e-03	6.11e-04	0.0	240.0	-4.26	-7.85	7.46e-04	-0.04	-2.31e-04	-7.87
468	190	5.67	1.58e-03	-1.54e-04	-0.75	0.0	3.21	5.30	-1.17e-03	4.98e-03	1.58e-03	-6.14
		-6.14	-1.23e-03	-5.96e-04	0.0	240.0	3.21	4.55	-1.17e-03	4.98e-03	-1.23e-03	5.67
468	197	1.42	-4.47e-04	7.22e-04	-0.75	0.0	-4.53	-0.47	4.96e-04	-0.05	-1.65e-03	1.42
		-0.61	-1.65e-03	2.05e-04	0.0	240.0	-4.53	-1.22	4.96e-04	-0.05	-4.47e-04	-0.61
468	198	2.51	1.21e-03	-1.40e-04	-0.75	0.0	3.48	-1.33	-9.23e-04	7.98e-03	1.21e-03	2.51
		-1.59	-1.02e-03	-1.90e-04	0.0	240.0	3.48	-2.08	-9.23e-04	7.98e-03	-1.02e-03	-1.59
468	216	18.79	-4.62e-04	1.85e-03	-0.75	0.0	-2.12	-13.77	1.21e-04	8.63e-04	-7.56e-04	18.79
		-15.18	-7.56e-04	1.72e-03	0.0	240.0	-2.12	-14.53	1.21e-04	8.63e-04	-4.62e-04	-15.18
468	221	11.58	-1.47e-04	7.98e-04	-0.75	0.0	-4.89	-8.26	9.06e-04	-0.05	-2.32e-03	11.58
		-9.13	-2.32e-03	7.24e-04	0.0	240.0	-4.89	-9.01	9.06e-04	-0.05	-1.47e-04	-9.13
468	222	6.94	1.88e-03	-2.34e-04	-0.75	0.0	3.84	6.45	-1.33e-03	8.90e-03	1.88e-03	-7.65
		-7.65	-1.32e-03	-7.09e-04	0.0	240.0	3.84	5.70	-1.33e-03	8.90e-03	-1.32e-03	6.94
468	229	1.27	-4.04e-04	7.89e-04	-0.75	0.0	-5.18	-0.35	6.08e-04	-0.05	-1.88e-03	1.27
		-0.48	-1.88e-03	2.27e-04	0.0	240.0	-5.18	-1.10	6.08e-04	-0.05	-4.04e-04	-0.48
468	230	2.67	1.44e-03	-2.07e-04	-0.75	0.0	4.13	-1.45	-1.03e-03	0.01	1.44e-03	2.67
		-1.72	-1.06e-03	-2.13e-04	0.0	240.0	4.13	-2.20	-1.03e-03	0.01	-1.06e-03	-1.72
469	17	0.53	0.07	-1.32e-04	-0.24	0.0	-1.99	0.60	0.07	-3.03e-03	0.03	0.24
		0.24	0.03	3.50e-06	0.0	60.0	-1.99	0.36	0.07	-3.03e-03	0.07	0.53
469	19	0.40	0.07	-8.08e-05	-0.19	0.0	-1.15	0.44	0.07	-1.66e-03	0.03	0.20
		0.20	0.03	-3.73e-06	0.0	60.0	-1.15	0.25	0.07	-1.66e-03	0.07	0.40
469	28	0.49	-0.05	-1.52e-04	-0.24	0.0	-2.32	0.69	-0.08	-3.37e-03	-0.05	0.15
		0.15	-0.10	2.98e-05	0.0	60.0	-2.32	0.44	-0.08	-3.37e-03	-0.10	0.49
469	44	0.47	-0.08	-1.45e-04	-0.24	0.0	-2.18	0.70	-0.14	-3.13e-03	-0.08	0.12
		0.12	-0.16	3.61e-05	0.0	60.0	-2.18	0.45	-0.14	-3.13e-03	-0.16	0.47
469	46	0.34	-0.07	-9.40e-05	-0.19	0.0	-1.35	0.54	-0.14	-1.77e-03	-0.07	0.08
		0.08	-0.16	2.90e-05	0.0	60.0	-1.35	0.35	-0.14	-1.77e-03	-0.16	0.34
469	72	0.40	0.05	-8.42e-05	-0.19	0.0	-1.21	0.45	0.05	-1.75e-03	0.02	0.18
		0.18	0.02	0.0	0.0	60.0	-1.21	0.27	0.05	-1.75e-03	0.05	0.40
469	74	0.40	0.05	-9.83e-05	-0.19	0.0	-1.47	0.46	0.05	-2.24e-03	0.02	0.18
		0.18	0.02	3.26e-06	0.0	60.0	-1.47	0.27	0.05	-2.24e-03	0.05	0.40
469	80	0.38	-0.03	-1.12e-04	-0.19	0.0	-1.70	0.52	-0.05	-2.47e-03	-0.03	0.12
		0.12	-0.07	2.08e-05	0.0	60.0	-1.70	0.33	-0.05	-2.47e-03	-0.07	0.38
469	86	0.36	-0.05	-9.30e-05	-0.19	0.0	-1.34	0.52	-0.09	-1.82e-03	-0.05	0.10
		0.10	-0.10	2.24e-05	0.0	60.0	-1.34	0.33	-0.09	-1.82e-03	-0.10	0.36
469	88	0.36	-0.05	-1.07e-04	-0.19	0.0	-1.60	0.53	-0.09	-2.31e-03	-0.05	0.10
		0.10	-0.11	2.50e-05	0.0	60.0	-1.60	0.34	-0.09	-2.31e-03	-0.11	0.36
469	98	0.39	-4.39e-03	-1.01e-04	-0.19	0.0	-1.53	0.49	2.54e-03	-2.35e-03	-5.91e-03	0.16
		0.16	-5.91e-03	1.12e-05	0.0	60.0	-1.53	0.30	2.54e-03	-2.35e-03	-4.39e-03	0.39
469	102	0.39	6.73e-03	-8.65e-05	-0.19	0.0	-1.26	0.47	0.01	-1.83e-03	-1.60e-04	0.16
		0.16	-1.60e-04	7.07e-06	0.0	60.0	-1.26	0.29	0.01	-1.83e-03	6.73e-03	0.39
469	103	0.39	5.87e-03	-9.86e-05	-0.19	0.0	-1.48	0.48	0.01	-2.26e-03	-1.29e-03	0.16
		0.16	-1.29e-03	9.25e-06	0.0	60.0	-1.48	0.29	0.01	-2.26e-03	5.87e-03	0.39
469	104	0.38	-0.01	-8.78e-05	-0.19	0.0	-1.28	0.48	-0.02	-1.88e-03	-0.01	0.14
		0.14	-0.02	1.13e-05	0.0	60.0	-1.28	0.30	-0.02	-1.88e-03	-0.02	0.38
469	105	0.39	-0.01	-9.99e-05	-0.19	0.0	-1.50	0.49	-0.02	-2.30e-03	-0.01	0.15
		0.15	-0.02	1.35e-05	0.0	60.0	-1.50	0.30	-0.02	-2.30e-03	-0.02	0.39
469	106	0.38	-3.39e-03	-8.71e-05	-0.19	0.0	-1.27	0.48	2.01e-03	-1.85e-03	-4.60e-03	0.15
		0.15	-4.60e-03	8.66e-06	0.0	60.0	-1.27	0.29	2.01e-03	-1.85e-03	-3.39e-03	0.38
469	107	0.39	-4.25e-03	-9.92e-05	-0.19	0.0	-1.49	0.49	2.46e-03	-2.28e-03	-5.72e-03	0.16
		0.16	-5.72e-03	1.08e-05	0.0	60.0	-1.49	0.30	2.46e-03	-2.28e-03	-4.25e-03	0.39

469	108	2.25	0.06	-1.18e-05	-0.19	0.0	-4.24	-1.49	0.06	-6.85e-03	-0.02	2.25
		1.03	-0.02	3.24e-04	0.0	60.0	-4.24	-1.68	0.06	-6.85e-03	0.06	1.03
469	111	-0.25	0.01	-1.89e-04	-0.19	0.0	1.26	2.46	-0.05	2.29e-03	0.01	-1.94
		-1.94	-0.07	-3.03e-04	0.0	60.0	1.26	2.27	-0.05	2.29e-03	-0.07	-0.25
469	112	2.24	0.08	-8.42e-06	-0.19	0.0	-4.85	-1.94	0.07	-6.65e-03	-0.02	2.24
		1.03	-0.02	3.51e-04	0.0	60.0	-4.85	-2.13	0.07	-6.65e-03	0.08	1.03
469	115	-0.25	3.59e-03	-1.95e-04	-0.19	0.0	1.86	2.91	-0.06	2.09e-03	3.59e-03	-1.93
		-1.93	-0.08	-3.30e-04	0.0	60.0	1.86	2.72	-0.06	2.09e-03	-0.08	-0.25
469	132	1.37	0.12	-4.32e-05	-0.19	0.0	-3.47	-0.91	0.10	-5.62e-04	0.04	1.37
		0.78	0.04	1.65e-04	0.0	60.0	-3.47	-1.10	0.10	-5.62e-04	0.12	0.78
469	135	4.60e-04	-0.05	-1.55e-04	-0.19	0.0	0.48	1.88	-0.09	-3.99e-03	-0.05	-1.06
		-1.06	-0.12	-1.43e-04	0.0	60.0	0.48	1.69	-0.09	-3.99e-03	-0.12	4.60e-04
469	140	2.52	0.07	-6.33e-06	-0.19	0.0	-4.59	-1.74	0.06	-7.42e-03	-0.02	2.52
		1.11	-0.02	3.64e-04	0.0	60.0	-4.59	-1.93	0.06	-7.42e-03	0.07	1.11
469	143	-0.33	0.01	-2.00e-04	-0.19	0.0	1.61	2.71	-0.06	2.86e-03	0.01	-2.21
		-2.21	-0.08	-3.42e-04	0.0	60.0	1.61	2.52	-0.06	2.86e-03	-0.08	-0.33
469	144	2.51	0.09	8.40e-06	-0.19	0.0	-5.27	-2.25	0.07	-7.19e-03	-0.02	2.51
		1.11	-0.02	3.95e-04	0.0	60.0	-5.27	-2.43	0.07	-7.19e-03	0.09	1.11
469	147	-0.33	4.75e-03	-2.07e-04	-0.19	0.0	2.29	3.22	-0.07	2.64e-03	4.75e-03	-2.20
		-2.20	-0.09	-3.73e-04	0.0	60.0	2.29	3.03	-0.07	2.64e-03	-0.09	-0.33
469	164	1.52	0.13	-3.60e-05	-0.19	0.0	-3.72	-1.09	0.11	-3.49e-04	0.05	1.52
		0.83	0.05	1.85e-04	0.0	60.0	-3.72	-1.28	0.11	-3.49e-04	0.13	0.83
469	167	-0.05	-0.06	-1.62e-04	-0.19	0.0	0.74	2.06	-0.10	-4.20e-03	-0.06	-1.21
		-1.21	-0.14	-1.63e-04	0.0	60.0	0.74	1.87	-0.10	-4.20e-03	-0.14	-0.05
469	172	2.53	0.07	-6.89e-06	-0.19	0.0	-4.59	-1.75	0.06	-7.02e-03	-0.02	2.53
		1.11	-0.02	3.56e-04	0.0	60.0	-4.59	-1.94	0.06	-7.02e-03	0.07	1.11
469	175	-0.33	0.01	-1.99e-04	-0.19	0.0	1.61	2.72	-0.06	2.47e-03	0.01	-2.22
		-2.22	-0.08	-3.35e-04	0.0	60.0	1.61	2.53	-0.06	2.47e-03	-0.08	-0.33
469	176	2.52	0.08	7.96e-06	-0.19	0.0	-5.29	-2.26	0.07	-6.78e-03	-0.02	2.52
		1.11	-0.02	3.90e-04	0.0	60.0	-5.29	-2.45	0.07	-6.78e-03	0.08	1.11
469	179	-0.33	3.81e-03	-2.06e-04	-0.19	0.0	2.31	3.23	-0.07	2.23e-03	3.81e-03	-2.21
		-2.21	-0.09	-3.68e-04	0.0	60.0	2.31	3.05	-0.07	2.23e-03	-0.09	-0.33
469	196	1.55	0.13	-3.52e-05	-0.19	0.0	-3.75	-1.12	0.11	-3.25e-04	0.05	1.55
		0.84	0.05	1.87e-04	0.0	60.0	-3.75	-1.30	0.11	-3.25e-04	0.13	0.84
469	199	-0.06	-0.06	-1.63e-04	-0.19	0.0	0.76	2.09	-0.10	-4.23e-03	-0.06	-1.24
		-1.24	-0.14	-1.66e-04	0.0	60.0	0.76	1.90	-0.10	-4.23e-03	-0.14	-0.06
469	212	2.99	0.08	3.16e-05	-0.19	0.0	-5.20	-2.19	0.07	-7.14e-03	-0.02	2.99
		1.25	-0.02	4.62e-04	0.0	60.0	-5.20	-2.38	0.07	-7.14e-03	0.08	1.25
469	215	-0.47	0.01	-2.30e-04	-0.19	0.0	2.22	3.16	-0.06	2.58e-03	0.01	-2.68
		-2.68	-0.09	-4.41e-04	0.0	60.0	2.22	2.97	-0.06	2.58e-03	-0.09	-0.47
469	216	2.99	0.10	4.06e-05	-0.19	0.0	-6.03	-2.80	0.08	-6.84e-03	-0.02	2.99
		1.25	-0.02	5.04e-04	0.0	60.0	-6.03	-2.99	0.08	-6.84e-03	0.10	1.25
469	219	-0.48	3.86e-03	-2.39e-04	-0.19	0.0	3.05	3.77	-0.08	2.29e-03	3.86e-03	-2.68
		-2.68	-0.10	-4.82e-04	0.0	60.0	3.05	3.59	-0.08	2.29e-03	-0.10	-0.48
469	228	1.81	0.15	-2.35e-05	-0.19	0.0	-4.17	-1.42	0.13	3.72e-05	0.06	1.81
		0.92	0.06	2.20e-04	0.0	60.0	-4.17	-1.61	0.13	3.72e-05	0.15	0.92
469	231	-0.14	-0.07	-1.75e-04	-0.19	0.0	1.18	2.39	-0.12	-4.59e-03	-0.07	-1.50
		-1.50	-0.16	-1.99e-04	0.0	60.0	1.18	2.20	-0.12	-4.59e-03	-0.16	-0.14
470	3	0.81	0.05	-1.99e-05	-0.24	0.0	-3.01	-0.03	-0.01	-3.41e-03	0.05	0.81
		0.72	0.05	1.00e-05	0.0	60.0	-3.01	-0.27	-0.01	-3.41e-03	0.05	0.72
470	19	0.61	0.09	1.04e-05	-0.19	0.0	-1.77	-0.02	-0.02	-1.66e-03	0.09	0.61
		0.54	0.08	-2.04e-06	0.0	60.0	-1.77	-0.21	-0.02	-1.66e-03	0.08	0.54
470	28	0.80	-0.10	-3.13e-05	-0.24	0.0	-3.21	-0.01	0.02	-3.37e-03	-0.12	0.80
		0.72	-0.12	2.08e-05	0.0	60.0	-3.21	-0.26	0.02	-3.37e-03	-0.10	0.72
470	44	0.79	-0.17	-2.61e-05	-0.24	0.0	-3.09	-5.31e-03	0.04	-3.13e-03	-0.19	0.79
		0.71	-0.19	2.34e-05	0.0	60.0	-3.09	-0.25	0.04	-3.13e-03	-0.17	0.71
470	60	0.59	-1.58e-03	-5.03e-06	-0.19	0.0	-2.01	-7.43e-03	-8.32e-04	-1.30e-03	-1.58e-03	0.59
		0.53	-2.08e-03	8.34e-06	0.0	60.0	-2.01	-0.20	-8.32e-04	-1.30e-03	-2.08e-03	0.53
470	67	0.62	0.04	-1.17e-05	-0.19	0.0	-2.24	-0.02	-9.23e-03	-2.50e-03	0.04	0.62
		0.56	0.03	7.45e-06	0.0	60.0	-2.24	-0.21	-9.23e-03	-2.50e-03	0.03	0.56
470	72	0.61	0.06	6.81e-06	-0.19	0.0	-1.85	-0.02	-0.01	-1.75e-03	0.06	0.61
		0.54	0.05	2.60e-06	0.0	60.0	-1.85	-0.21	-0.01	-1.75e-03	0.05	0.54
470	80	0.61	-0.07	-1.93e-05	-0.19	0.0	-2.38	-8.85e-03	0.02	-2.47e-03	-0.08	0.61
		0.55	-0.08	1.46e-05	0.0	60.0	-2.38	-0.20	0.02	-2.47e-03	-0.07	0.55
470	88	0.61	-0.11	-1.58e-05	-0.19	0.0	-2.30	-4.95e-03	0.03	-2.31e-03	-0.13	0.61
		0.55	-0.13	1.64e-05	0.0	60.0	-2.30	-0.19	0.03	-2.31e-03	-0.11	0.55
470	93	0.60	-1.58e-03	-4.17e-06	-0.19	0.0	-2.01	-8.63e-03	-8.22e-04	-1.51e-03	-1.58e-03	0.60
		0.54	-2.07e-03	8.15e-06	0.0	60.0	-2.01	-0.20	-8.22e-04	-1.51e-03	-2.07e-03	0.54
470	98	0.61	-1.90e-03	-8.76e-06	-0.19	0.0	-2.19	-0.01	-9.10e-04	-2.35e-03	-1.90e-03	0.61
		0.55	-2.44e-03	9.30e-06	0.0	60.0	-2.19	-0.20	-9.10e-04	-2.35e-03	-2.44e-03	0.55
470	99	0.60	-1.48e-03	2.00e-06	-0.19	0.0	-1.95	-0.01	-7.67e-04	-1.78e-03	-1.48e-03	0.60
		0.54	-1.94e-03	7.38e-06	0.0	60.0	-1.95	-0.20	-7.67e-04	-1.78e-03	-1.94e-03	0.54
470	102	0.60	0.01	3.94e-06	-0.19	0.0	-1.92	-0.01	-3.50e-03	-1.83e-03	0.01	0.60
		0.54	9.25e-03	6.27e-06	0.0	60.0	-1.92	-0.20	-3.50e-03	-1.83e-03	9.25e-03	0.54
470	105	0.61	-0.02	-7.96e-06	-0.19	0.0	-2.17	-0.01	4.59e-03	-2.30e-03	-0.02	0.61

		0.55	-0.03	1.03e-05	0.0	60.0	-2.17	-0.20	4.59e-03	-2.30e-03	-0.02	0.55
470	106	0.60	-1.46e-03	3.22e-06	-0.19	0.0	-1.93	-0.01	-7.53e-04	-1.85e-03	-1.46e-03	0.60
		0.54	-1.91e-03	7.19e-06	0.0	60.0	-1.93	-0.20	-7.53e-04	-1.85e-03	-1.91e-03	0.54
470	107	0.61	-1.83e-03	-7.26e-06	-0.19	0.0	-2.15	-0.01	-8.88e-04	-2.28e-03	-1.83e-03	0.61
		0.55	-2.37e-03	9.00e-06	0.0	60.0	-2.15	-0.20	-8.88e-04	-2.28e-03	-2.37e-03	0.55
470	108	1.26	-0.01	6.30e-05	-0.19	0.0	-3.44	-0.60	0.02	-6.85e-03	-0.01	1.26
		0.78	-0.02	3.22e-04	0.0	60.0	-3.44	-0.78	0.02	-6.85e-03	-0.02	0.78
470	111	0.32	0.01	-7.70e-05	-0.19	0.0	-0.87	0.57	-0.02	2.29e-03	0.01	-0.03
		-0.03	0.01	-3.04e-04	0.0	60.0	-0.87	0.38	-0.02	2.29e-03	0.01	0.32
470	113	1.12	-0.06	4.52e-05	-0.19	0.0	-3.83	-0.48	-2.05e-03	-8.64e-03	-0.06	1.12
		0.78	-0.07	3.19e-04	0.0	60.0	-3.83	-0.67	-2.05e-03	-8.64e-03	-0.07	0.78
470	114	0.32	0.06	-5.92e-05	-0.19	0.0	-0.47	0.46	2.79e-04	4.09e-03	0.05	0.10
		0.10	0.05	-3.01e-04	0.0	60.0	-0.47	0.27	2.79e-04	4.09e-03	0.06	0.32
470	133	0.57	-0.09	-3.13e-05	-0.19	0.0	-3.36	0.02	-0.03	-7.21e-03	-0.09	0.57
		0.52	-0.12	5.52e-05	0.0	60.0	-3.36	-0.17	-0.03	-7.21e-03	-0.12	0.52
470	134	0.66	0.11	1.73e-05	-0.19	0.0	-0.95	-0.04	0.03	2.66e-03	0.09	0.66
		0.58	0.09	-3.72e-05	0.0	60.0	-0.95	-0.23	0.03	2.66e-03	0.11	0.58
470	140	1.34	-0.02	7.18e-05	-0.19	0.0	-3.60	-0.67	0.02	-7.42e-03	-0.02	1.34
		0.81	-0.02	3.61e-04	0.0	60.0	-3.60	-0.86	0.02	-7.42e-03	-0.02	0.81
470	143	0.29	0.01	-8.58e-05	-0.19	0.0	-0.71	0.64	-0.02	2.86e-03	0.01	-0.11
		-0.11	0.01	-3.43e-04	0.0	60.0	-0.71	0.46	-0.02	2.86e-03	0.01	0.29
470	145	1.19	-0.06	5.17e-05	-0.19	0.0	-4.04	-0.54	-2.19e-03	-9.43e-03	-0.06	1.19
		0.81	-0.08	3.58e-04	0.0	60.0	-4.04	-0.73	-2.19e-03	-9.43e-03	-0.08	0.81
470	146	0.29	0.07	-6.57e-05	-0.19	0.0	-0.26	0.52	4.18e-04	4.88e-03	0.06	0.04
		0.04	0.06	-3.40e-04	0.0	60.0	-0.26	0.33	4.18e-04	4.88e-03	0.07	0.29
470	165	0.56	-0.11	-3.44e-05	-0.19	0.0	-3.51	0.02	-0.03	-7.83e-03	-0.11	0.56
		0.51	-0.13	6.05e-05	0.0	60.0	-3.51	-0.17	-0.03	-7.83e-03	-0.13	0.51
470	166	0.67	0.13	2.04e-05	-0.19	0.0	-0.80	-0.05	0.03	3.27e-03	0.10	0.67
		0.59	0.10	-4.25e-05	0.0	60.0	-0.80	-0.24	0.03	3.27e-03	0.13	0.59
470	176	1.34	-5.86e-03	7.93e-05	-0.19	0.0	-3.53	-0.67	0.02	-6.78e-03	-6.26e-03	1.34
		0.88	-6.26e-03	3.89e-04	0.0	60.0	-3.53	-0.86	0.02	-6.78e-03	-5.86e-03	0.88
470	177	1.19	-0.06	4.94e-05	-0.19	0.0	-4.04	-0.54	-2.39e-03	-8.96e-03	-0.06	1.19
		0.80	-0.07	3.51e-04	0.0	60.0	-4.04	-0.73	-2.39e-03	-8.96e-03	-0.07	0.80
470	178	0.29	0.07	-6.34e-05	-0.19	0.0	-0.27	0.51	6.11e-04	4.40e-03	0.06	0.04
		0.04	0.06	-3.33e-04	0.0	60.0	-0.27	0.33	6.11e-04	4.40e-03	0.07	0.29
470	179	0.22	2.59e-03	-9.33e-05	-0.19	0.0	-0.78	0.65	-0.02	2.23e-03	2.59e-03	-0.11
		-0.11	1.12e-03	-3.71e-04	0.0	60.0	-0.78	0.46	-0.02	2.23e-03	1.12e-03	0.22
470	197	0.56	-0.10	-3.54e-05	-0.19	0.0	-3.49	0.03	-0.03	-7.58e-03	-0.10	0.55
		0.51	-0.13	5.39e-05	0.0	60.0	-3.49	-0.16	-0.03	-7.58e-03	-0.13	0.51
470	198	0.67	0.12	2.14e-05	-0.19	0.0	-0.81	-0.05	0.03	3.03e-03	0.10	0.67
		0.59	0.10	-3.59e-05	0.0	60.0	-0.81	-0.24	0.03	3.03e-03	0.12	0.59
470	216	1.48	-4.59e-03	1.01e-04	-0.19	0.0	-3.81	-0.80	1.43e-03	-6.84e-03	-5.46e-03	1.48
		0.94	-5.46e-03	5.02e-04	0.0	60.0	-3.81	-0.99	1.43e-03	-6.84e-03	-4.59e-03	0.94
470	217	1.30	-0.07	6.61e-05	-0.19	0.0	-4.41	-0.64	-0.02	-9.37e-03	-0.07	1.30
		0.85	-0.08	4.56e-04	0.0	60.0	-4.41	-0.83	-0.02	-9.37e-03	-0.08	0.85
470	218	0.24	0.08	-8.01e-05	-0.19	0.0	0.11	0.61	0.02	4.81e-03	0.07	-0.07
		-0.07	0.07	-4.38e-04	0.0	60.0	0.11	0.43	0.02	4.81e-03	0.08	0.24
470	219	0.15	1.79e-03	-1.15e-04	-0.19	0.0	-0.49	0.77	-3.21e-03	2.29e-03	1.79e-03	-0.25
		-0.25	-1.46e-04	-4.84e-04	0.0	60.0	-0.49	0.58	-3.21e-03	2.29e-03	-1.46e-04	0.15
470	229	0.54	-0.12	-4.08e-05	-0.19	0.0	-3.72	0.04	-0.04	-8.38e-03	-0.12	0.54
		0.50	-0.15	5.77e-05	0.0	60.0	-3.72	-0.15	-0.04	-8.38e-03	-0.15	0.50
470	230	0.69	0.14	2.68e-05	-0.19	0.0	-0.58	-0.06	0.04	3.83e-03	0.12	0.69
		0.60	0.12	-3.97e-05	0.0	60.0	-0.58	-0.25	0.04	3.83e-03	0.14	0.60
471	18	1.37	1.77e-03	-3.35e-05	-0.98	0.0	-0.22	-0.39	-3.70e-03	-0.13	1.77e-03	1.37
		-0.72	-7.11e-03	2.19e-05	0.0	240.0	-0.22	-1.36	-3.70e-03	-0.13	-7.11e-03	-0.72
471	19	0.36	2.14e-03	-8.97e-05	-0.75	0.0	-8.87e-03	0.39	-3.60e-03	-0.13	2.14e-03	0.12
		0.12	-6.49e-03	1.35e-05	0.0	240.0	-8.87e-03	-0.36	-3.60e-03	-0.13	-6.49e-03	0.16
471	28	2.02	6.57e-03	1.10e-04	-0.98	0.0	-0.89	-0.84	4.22e-03	0.15	-3.56e-03	2.02
		-1.16	-3.56e-03	1.28e-05	0.0	240.0	-0.89	-1.81	4.22e-03	0.15	6.57e-03	-1.16
471	44	1.75	0.01	7.65e-05	-0.98	0.0	-1.03	-0.62	7.22e-03	0.25	-5.41e-03	1.75
		-0.92	-5.41e-03	7.55e-06	0.0	240.0	-1.03	-1.60	7.22e-03	0.25	0.01	-0.92
471	45	0.53	0.01	-5.40e-05	-0.75	0.0	-0.82	0.15	7.32e-03	0.25	-5.04e-03	0.49
		-0.04	-5.04e-03	-2.13e-06	0.0	240.0	-0.82	-0.60	7.32e-03	0.25	0.01	-0.04
471	72	0.39	1.32e-03	-7.44e-05	-0.75	0.0	-0.14	0.30	-2.43e-03	-0.08	1.32e-03	0.25
		0.07	-4.51e-03	1.22e-05	0.0	240.0	-0.14	-0.45	-2.43e-03	-0.08	-4.51e-03	0.07
471	75	0.92	1.16e-03	-3.05e-05	-0.75	0.0	-0.20	-0.19	-2.48e-03	-0.08	1.16e-03	0.92
		-0.44	-4.79e-03	1.55e-05	0.0	240.0	-0.20	-0.94	-2.48e-03	-0.08	-4.79e-03	-0.44
471	80	1.35	4.34e-03	5.94e-05	-0.75	0.0	-0.64	-0.49	2.81e-03	0.10	-2.40e-03	1.35
		-0.74	-2.40e-03	9.41e-06	0.0	240.0	-0.64	-1.24	2.81e-03	0.10	4.34e-03	-0.74
471	85	0.53	8.17e-03	-5.29e-05	-0.75	0.0	-0.68	0.14	4.85e-03	0.17	-3.47e-03	0.50
		-0.07	-3.47e-03	2.59e-06	0.0	240.0	-0.68	-0.61	4.85e-03	0.17	8.17e-03	-0.07
471	88	1.16	7.90e-03	3.74e-05	-0.75	0.0	-0.73	-0.35	4.80e-03	0.17	-3.63e-03	1.16
		-0.58	-3.63e-03	5.94e-06	0.0	240.0	-0.73	-1.10	4.80e-03	0.17	7.90e-03	-0.58
471	98	0.91	-3.83e-04	-2.96e-05	-0.75	0.0	-0.43	-0.18	-1.37e-04	-1.07e-03	-3.83e-04	0.91
		-0.43	-7.12e-04	1.11e-05	0.0	240.0	-0.43	-0.94	-1.37e-04	-1.07e-03	-7.12e-04	-0.43

471	102	0.44	4.26e-05	-6.48e-05	-0.75	0.0	-0.34	0.24	-5.56e-04	-0.02	4.26e-05	0.35
		0.01	-1.29e-03	9.40e-06	0.0	240.0	-0.34	-0.52	-5.56e-04	-0.02	-1.29e-03	0.01
471	103	0.81	-4.77e-05	-3.36e-05	-0.75	0.0	-0.37	-0.11	-5.99e-04	-0.02	-4.77e-05	0.81
		-0.36	-1.48e-03	1.14e-05	0.0	240.0	-0.37	-0.86	-5.99e-04	-0.02	-1.48e-03	-0.36
471	104	0.46	1.24e-03	-6.04e-05	-0.75	0.0	-0.45	0.21	9.00e-04	0.03	-9.15e-04	0.40
		-0.01	-9.15e-04	7.49e-06	0.0	240.0	-0.45	-0.55	9.00e-04	0.03	1.24e-03	-0.01
471	105	0.86	1.05e-03	-3.16e-05	-0.75	0.0	-0.48	-0.14	8.57e-04	0.03	-1.01e-03	0.86
		-0.38	-1.01e-03	9.53e-06	0.0	240.0	-0.48	-0.90	8.57e-04	0.03	1.05e-03	-0.38
471	106	0.45	-2.78e-04	-6.25e-05	-0.75	0.0	-0.39	0.22	-8.79e-05	-5.28e-04	-2.78e-04	0.37
		-9.19e-04	-4.89e-04	8.71e-06	0.0	240.0	-0.39	-0.53	-8.79e-05	-5.28e-04	-4.89e-04	-9.19e-04
471	107	0.84	-3.68e-04	-3.26e-05	-0.75	0.0	-0.42	-0.13	-1.30e-04	-9.93e-04	-3.68e-04	0.84
		-0.37	-6.80e-04	1.08e-05	0.0	240.0	-0.42	-0.88	-1.30e-04	-9.93e-04	-6.80e-04	-0.37
471	112	14.22	2.27e-04	-1.80e-04	-0.75	0.0	0.63	-10.00	4.95e-04	-0.03	-1.09e-03	14.22
		-10.69	-1.09e-03	1.19e-03	0.0	240.0	0.63	-10.76	4.95e-04	-0.03	2.27e-04	-10.69
471	115	9.95	3.55e-04	1.24e-04	-0.75	0.0	-1.48	9.75	-7.55e-04	0.03	3.55e-04	-12.55
		-12.55	-1.59e-03	-1.17e-03	0.0	240.0	-1.48	9.00	-7.55e-04	0.03	-1.59e-03	9.95
471	125	8.39	1.75e-04	1.43e-04	-0.75	0.0	-2.21	-5.70	8.64e-04	0.04	-1.95e-03	8.39
		-6.19	-1.95e-03	5.14e-04	0.0	240.0	-2.21	-6.45	8.64e-04	0.04	1.75e-04	-6.19
471	126	5.45	1.21e-03	-1.54e-04	-0.75	0.0	1.36	5.45	-1.12e-03	-0.04	1.21e-03	-6.71
		-6.71	-1.54e-03	-4.92e-04	0.0	240.0	1.36	4.69	-1.12e-03	-0.04	-1.54e-03	5.45
471	128	0.45	6.52e-04	-1.50e-04	-0.75	0.0	1.78	0.21	-6.79e-04	-0.04	6.52e-04	0.39
		-0.02	-1.02e-03	2.06e-04	0.0	240.0	1.78	-0.55	-6.79e-04	-0.04	-1.02e-03	-0.02
471	131	1.29	-3.37e-04	1.49e-04	-0.75	0.0	-2.63	-0.46	4.18e-04	0.04	-1.39e-03	1.29
		-0.72	-1.39e-03	-1.85e-04	0.0	240.0	-2.63	-1.21	4.18e-04	0.04	-3.37e-04	-0.72
471	144	15.92	3.41e-04	-1.99e-04	-0.75	0.0	0.76	-11.26	5.74e-04	-0.03	-1.18e-03	15.92
		-12.00	-1.18e-03	1.34e-03	0.0	240.0	0.76	-12.01	5.74e-04	-0.03	3.41e-04	-12.00
471	147	11.26	4.47e-04	1.43e-04	-0.75	0.0	-1.61	11.01	-8.35e-04	0.03	4.47e-04	-14.25
		-14.25	-1.70e-03	-1.32e-03	0.0	240.0	-1.61	10.25	-8.35e-04	0.03	-1.70e-03	11.26
471	157	9.36	2.82e-04	1.62e-04	-0.75	0.0	-2.43	-6.42	9.89e-04	0.04	-2.14e-03	9.36
		-6.94	-2.14e-03	5.80e-04	0.0	240.0	-2.43	-7.17	9.89e-04	0.04	2.82e-04	-6.94
471	158	6.21	1.41e-03	-1.73e-04	-0.75	0.0	1.58	6.17	-1.25e-03	-0.04	1.41e-03	-7.69
		-7.69	-1.64e-03	-5.58e-04	0.0	240.0	1.58	5.41	-1.25e-03	-0.04	-1.64e-03	6.21
471	160	0.43	7.79e-04	-1.68e-04	-0.75	0.0	2.06	0.25	-7.47e-04	-0.04	7.79e-04	0.33
		0.02	-1.07e-03	2.30e-04	0.0	240.0	2.06	-0.50	-7.47e-04	-0.04	-1.07e-03	0.02
471	163	1.34	-2.94e-04	1.68e-04	-0.75	0.0	-2.91	-0.50	4.87e-04	0.04	-1.52e-03	1.34
		-0.76	-1.52e-03	-2.09e-04	0.0	240.0	-2.91	-1.25	4.87e-04	0.04	-2.94e-04	-0.76
471	176	16.00	3.16e-04	-1.93e-04	-0.75	0.0	0.72	-11.32	5.61e-04	-0.03	-1.17e-03	16.00
		-12.06	-1.17e-03	1.32e-03	0.0	240.0	0.72	-12.07	5.61e-04	-0.03	3.16e-04	-12.06
471	179	11.32	4.33e-04	1.37e-04	-0.75	0.0	-1.57	11.06	-8.21e-04	0.03	4.33e-04	-14.33
		-14.33	-1.68e-03	-1.30e-03	0.0	240.0	-1.57	10.31	-8.21e-04	0.03	-1.68e-03	11.32
471	189	9.50	2.63e-04	1.74e-04	-0.75	0.0	-2.40	-6.52	9.76e-04	0.04	-2.12e-03	9.50
		-7.04	-2.12e-03	5.91e-04	0.0	240.0	-2.40	-7.27	9.76e-04	0.04	2.63e-04	-7.04
471	190	6.31	1.39e-03	-1.84e-04	-0.75	0.0	1.56	6.26	-1.24e-03	-0.04	1.39e-03	-7.82
		-7.82	-1.62e-03	-5.70e-04	0.0	240.0	1.56	5.51	-1.24e-03	-0.04	-1.62e-03	6.31
471	192	0.44	7.72e-04	-1.64e-04	-0.75	0.0	2.01	0.23	-7.43e-04	-0.04	7.72e-04	0.36
		-1.11e-03	-1.06e-03	2.20e-04	0.0	240.0	2.01	-0.53	-7.43e-04	-0.04	-1.06e-03	-1.11e-03
471	195	1.31	-3.04e-04	1.64e-04	-0.75	0.0	-2.86	-0.48	4.82e-04	0.04	-1.51e-03	1.31
		-0.74	-1.51e-03	-1.99e-04	0.0	240.0	-2.86	-1.23	4.82e-04	0.04	-3.04e-04	-0.74
471	216	18.96	6.01e-04	-2.57e-04	-0.75	0.0	1.01	-13.49	7.15e-04	0.02	-1.28e-03	18.96
		-14.33	-1.28e-03	1.71e-03	0.0	240.0	1.01	-14.25	7.15e-04	0.02	6.01e-04	-14.33
471	219	13.59	5.41e-04	1.98e-04	-0.75	0.0	-1.85	13.24	-9.76e-04	-0.02	5.41e-04	-17.28
		-17.28	-1.96e-03	-1.69e-03	0.0	240.0	-1.85	12.49	-9.76e-04	-0.02	-1.96e-03	13.59
471	221	11.12	4.24e-04	2.12e-04	-0.75	0.0	-2.72	-7.72	1.16e-03	0.05	-2.42e-03	11.12
		-8.30	-2.42e-03	7.01e-04	0.0	240.0	-2.72	-8.47	1.16e-03	0.05	4.24e-04	-8.30
471	222	7.56	1.68e-03	-2.22e-04	-0.75	0.0	1.88	7.46	-1.42e-03	-0.05	1.68e-03	-9.45
		-9.45	-1.78e-03	-6.80e-04	0.0	240.0	1.88	6.71	-1.42e-03	-0.05	-1.78e-03	7.56
471	224	0.43	9.58e-04	-1.92e-04	-0.75	0.0	2.41	0.25	-8.43e-04	-0.05	9.58e-04	0.33
		0.02	-1.12e-03	2.57e-04	0.0	240.0	2.41	-0.50	-8.43e-04	-0.05	-1.12e-03	0.02
471	227	1.35	-2.45e-04	1.91e-04	-0.75	0.0	-3.26	-0.50	5.83e-04	0.05	-1.69e-03	1.35
		-0.76	-1.69e-03	-2.35e-04	0.0	240.0	-3.26	-1.25	5.83e-04	0.05	-2.45e-04	-0.76
472	18	4.06	5.49e-05	7.39e-04	-0.98	0.0	-1.28	-2.19	2.28e-03	0.09	-5.41e-03	4.06
		-2.36	-5.41e-03	2.25e-05	0.0	240.0	-1.28	-3.17	2.28e-03	0.09	5.49e-05	-2.36
472	19	2.26	1.05e-03	4.11e-04	-0.75	0.0	-0.56	-1.06	2.55e-03	0.10	-5.07e-03	2.26
		-1.19	-5.07e-03	1.55e-05	0.0	240.0	-0.56	-1.82	2.55e-03	0.10	1.05e-03	-1.19
472	28	4.70	5.28e-03	8.63e-04	-0.98	0.0	-2.23	-2.68	-3.91e-03	-0.16	5.28e-03	4.70
		-2.91	-4.10e-03	7.13e-06	0.0	240.0	-2.23	-3.66	-3.91e-03	-0.16	-4.10e-03	-2.91
472	44	4.47	9.34e-03	8.23e-04	-0.98	0.0	-2.33	-2.53	-6.08e-03	-0.25	9.34e-03	4.47
		-2.79	-5.24e-03	0.0	0.0	240.0	-2.33	-3.51	-6.08e-03	-0.25	-5.24e-03	-2.79
472	45	2.66	9.68e-03	4.95e-04	-0.75	0.0	-1.60	-1.41	-5.80e-03	-0.24	9.68e-03	2.66
		-1.62	-4.25e-03	-6.75e-06	0.0	240.0	-1.60	-2.16	-5.80e-03	-0.24	-4.25e-03	-1.62
472	72	2.40	3.56e-04	4.37e-04	-0.75	0.0	-0.74	-1.17	1.61e-03	0.06	-3.50e-03	2.40
		-1.31	-3.50e-03	1.30e-05	0.0	240.0	-0.74	-1.92	1.61e-03	0.06	3.56e-04	-1.31
472	75	3.00	-5.60e-05	5.46e-04	-0.75	0.0	-0.98	-1.60	1.49e-03	0.06	-3.64e-03	3.00
		-1.73	-3.64e-03	1.58e-05	0.0	240.0	-0.98	-2.35	1.49e-03	0.06	-5.60e-05	-1.73
472	80	3.42	3.49e-03	6.29e-04	-0.75	0.0	-1.61	-1.93	-2.63e-03	-0.11	3.49e-03	3.42

		-2.10	-2.83e-03	5.55e-06	0.0	240.0	-1.61	-2.68	-2.63e-03	-0.11	-2.83e-03	-2.10
472	85	2.66	6.33e-03	4.93e-04	-0.75	0.0	-1.44	-1.40	-3.96e-03	-0.17	6.33e-03	2.66
		-1.59	-3.17e-03	-1.79e-06	0.0	240.0	-1.44	-2.15	-3.96e-03	-0.17	-3.17e-03	-1.59
472	88	3.27	6.20e-03	6.02e-04	-0.75	0.0	-1.68	-1.83	-4.08e-03	-0.17	6.20e-03	3.27
		-2.02	-3.58e-03	0.0	0.0	240.0	-1.68	-2.58	-4.08e-03	-0.17	-3.58e-03	-2.02
472	98	3.02	-4.35e-04	5.53e-04	-0.75	0.0	-1.26	-1.62	-3.44e-04	-0.02	-4.35e-04	3.02
		-1.78	-1.26e-03	9.46e-06	0.0	240.0	-1.26	-2.37	-3.44e-04	-0.02	-1.26e-03	-1.78
472	102	2.50	-6.74e-04	4.59e-04	-0.75	0.0	-1.00	-1.26	1.19e-04	3.09e-03	-9.60e-04	2.50
		-1.41	-9.60e-04	8.62e-06	0.0	240.0	-1.00	-2.01	1.19e-04	3.09e-03	-6.74e-04	-1.41
472	104	2.55	1.01e-03	4.70e-04	-0.75	0.0	-1.14	-1.30	-9.94e-04	-0.04	1.01e-03	2.55
		-1.47	-1.38e-03	5.66e-06	0.0	240.0	-1.14	-2.05	-9.94e-04	-0.04	-1.38e-03	-1.47
472	105	2.97	9.13e-04	5.46e-04	-0.75	0.0	-1.31	-1.60	-1.07e-03	-0.05	9.13e-04	2.97
		-1.76	-1.66e-03	7.32e-06	0.0	240.0	-1.31	-2.35	-1.07e-03	-0.05	-1.66e-03	-1.76
472	106	2.53	-3.25e-04	4.64e-04	-0.75	0.0	-1.06	-1.28	-2.53e-04	-0.01	-3.25e-04	2.53
		-1.44	-9.31e-04	7.52e-06	0.0	240.0	-1.06	-2.03	-2.53e-04	-0.01	-9.31e-04	-1.44
472	107	2.95	-4.19e-04	5.40e-04	-0.75	0.0	-1.23	-1.57	-3.31e-04	-0.02	-4.19e-04	2.95
		-1.73	-1.21e-03	9.18e-06	0.0	240.0	-1.23	-2.32	-3.31e-04	-0.02	-1.21e-03	-1.73
472	112	15.12	-2.84e-03	2.14e-03	-0.75	0.0	-3.95	-10.90	8.04e-05	-0.02	-2.85e-03	15.12
		-11.95	-2.85e-03	1.17e-03	0.0	240.0	-3.95	-11.66	8.04e-05	-0.02	-2.84e-03	-11.95
472	113	12.83	-3.43e-03	2.24e-03	-0.75	0.0	-5.29	-9.14	2.52e-04	-0.04	-3.81e-03	12.83
		-10.00	-3.81e-03	1.12e-03	0.0	240.0	-5.29	-9.89	2.52e-04	-0.04	-3.43e-03	-10.00
472	114	6.55	2.98e-03	-1.16e-03	-0.75	0.0	2.83	5.99	-9.15e-04	5.69e-03	2.98e-03	-6.93
		-6.93	1.00e-03	-1.10e-03	0.0	240.0	2.83	5.24	-9.15e-04	5.69e-03	1.00e-03	6.55
472	144	16.67	-3.05e-03	2.35e-03	-0.75	0.0	-4.30	-12.09	1.32e-04	-0.03	-3.16e-03	16.67
		-13.26	-3.16e-03	1.32e-03	0.0	240.0	-4.30	-12.84	1.32e-04	-0.03	-3.05e-03	-13.26
472	145	14.08	-3.71e-03	2.46e-03	-0.75	0.0	-5.81	-10.09	3.25e-04	-0.04	-4.24e-03	14.08
		-11.05	-4.24e-03	1.26e-03	0.0	240.0	-5.81	-10.85	3.25e-04	-0.04	-3.71e-03	-11.05
472	146	7.60	3.41e-03	-1.38e-03	-0.75	0.0	3.35	6.95	-9.88e-04	8.39e-03	3.41e-03	-8.18
		-8.18	1.29e-03	-1.24e-03	0.0	240.0	3.35	6.20	-9.88e-04	8.39e-03	1.29e-03	7.60
472	153	13.51	-3.88e-03	2.45e-03	-0.75	0.0	-5.67	-9.66	2.64e-04	-0.04	-4.25e-03	13.51
		-10.58	-4.25e-03	1.32e-03	0.0	240.0	-5.67	-10.42	2.64e-04	-0.04	-3.88e-03	-10.58
472	154	7.13	3.41e-03	-1.37e-03	-0.75	0.0	3.20	6.52	-9.27e-04	5.58e-03	3.41e-03	-7.62
		-7.62	1.45e-03	-1.30e-03	0.0	240.0	3.20	5.77	-9.27e-04	5.58e-03	1.45e-03	7.13
472	176	16.74	-3.06e-03	2.28e-03	-0.75	0.0	-4.33	-12.15	1.19e-04	-0.03	-3.17e-03	16.74
		-13.32	-3.17e-03	1.31e-03	0.0	240.0	-4.33	-12.90	1.19e-04	-0.03	-3.06e-03	-13.32
472	177	14.11	-3.72e-03	2.38e-03	-0.75	0.0	-5.80	-10.12	3.03e-04	-0.04	-4.23e-03	14.11
		-11.08	-4.23e-03	1.23e-03	0.0	240.0	-5.80	-10.87	3.03e-04	-0.04	-3.72e-03	-11.08
472	178	7.63	3.40e-03	-1.30e-03	-0.75	0.0	3.34	6.98	-9.66e-04	8.08e-03	3.40e-03	-8.21
		-8.21	1.30e-03	-1.22e-03	0.0	240.0	3.34	6.22	-9.66e-04	8.08e-03	1.30e-03	7.63
472	185	13.94	-3.96e-03	2.40e-03	-0.75	0.0	-5.78	-10.00	2.51e-04	-0.04	-4.36e-03	13.94
		-10.95	-4.36e-03	1.34e-03	0.0	240.0	-5.78	-10.75	2.51e-04	-0.04	-3.96e-03	-10.95
472	186	7.49	3.52e-03	-1.32e-03	-0.75	0.0	3.32	6.85	-9.14e-04	5.35e-03	3.52e-03	-8.05
		-8.05	1.53e-03	-1.32e-03	0.0	240.0	3.32	6.10	-9.14e-04	5.35e-03	1.53e-03	7.49
472	216	19.41	-3.75e-03	2.62e-03	-0.75	0.0	-4.99	-14.20	1.44e-04	-0.02	-3.92e-03	19.41
		-15.57	-3.92e-03	1.69e-03	0.0	240.0	-4.99	-14.95	1.44e-04	-0.02	-3.75e-03	-15.57
472	217	16.29	-4.53e-03	2.74e-03	-0.75	0.0	-6.70	-11.79	3.56e-04	-0.04	-5.16e-03	16.29
		-12.92	-5.16e-03	1.60e-03	0.0	240.0	-6.70	-12.55	3.56e-04	-0.04	-4.53e-03	-12.92
472	218	9.46	4.32e-03	-1.66e-03	-0.75	0.0	4.24	8.65	-1.02e-03	9.19e-03	4.32e-03	-10.39
		-10.39	2.10e-03	-1.59e-03	0.0	240.0	4.24	7.90	-1.02e-03	9.19e-03	2.10e-03	9.46
473	15	0.50	0.09	-1.58e-04	-0.24	0.0	0.61	1.08	0.08	7.94e-03	0.04	-0.08
		-0.08	0.04	-1.51e-05	0.0	60.0	0.61	0.83	0.08	7.94e-03	0.09	0.50
473	19	0.39	0.09	-1.17e-04	-0.19	0.0	0.38	0.81	0.08	5.72e-03	0.04	-0.04
		-0.04	0.04	-1.54e-05	0.0	60.0	0.38	0.62	0.08	5.72e-03	0.09	0.39
473	21	0.34	0.09	-1.48e-04	-0.19	0.0	0.34	0.95	0.08	8.24e-03	0.04	-0.17
		-0.17	0.04	-1.54e-05	0.0	60.0	0.34	0.76	0.08	8.24e-03	0.09	0.34
473	42	0.48	-0.03	-1.55e-04	-0.24	0.0	1.38	1.04	-0.04	8.19e-03	-0.03	-0.08
		-0.08	-0.05	1.16e-05	0.0	60.0	1.38	0.80	-0.04	8.19e-03	-0.05	0.48
473	44	0.43	-0.03	-1.85e-04	-0.24	0.0	1.34	1.19	-0.03	0.01	-0.03	-0.21
		-0.21	-0.05	1.16e-05	0.0	60.0	1.34	0.94	-0.03	0.01	-0.05	0.43
473	52	0.41	-8.47e-03	-2.03e-04	-0.24	0.0	0.93	1.28	4.73e-03	0.01	-0.01	-0.29
		-0.29	-0.01	1.07e-06	0.0	60.0	0.93	1.04	4.73e-03	0.01	-8.47e-03	0.41
473	72	0.38	0.06	-1.19e-04	-0.19	0.0	0.51	0.82	0.05	5.91e-03	0.03	-0.05
		-0.05	0.03	-9.99e-06	0.0	60.0	0.51	0.63	0.05	5.91e-03	0.06	0.38
473	74	0.35	0.06	-1.39e-04	-0.19	0.0	0.48	0.91	0.05	7.58e-03	0.02	-0.14
		-0.14	0.02	-9.98e-06	0.0	60.0	0.48	0.72	0.05	7.58e-03	0.06	0.35
473	86	0.37	-0.02	-1.17e-04	-0.19	0.0	1.02	0.79	-0.02	6.07e-03	-0.02	-0.05
		-0.05	-0.03	7.82e-06	0.0	60.0	1.02	0.61	-0.02	6.07e-03	-0.03	0.37
473	88	0.34	-0.02	-1.37e-04	-0.19	0.0	1.00	0.89	-0.02	7.75e-03	-0.02	-0.14
		-0.14	-0.04	7.84e-06	0.0	60.0	1.00	0.70	-0.02	7.75e-03	-0.04	0.34
473	92	0.33	-6.09e-03	-1.49e-04	-0.19	0.0	0.72	0.95	3.35e-03	8.61e-03	-8.10e-03	-0.19
		-0.19	-8.10e-03	0.0	0.0	60.0	0.72	0.76	3.35e-03	8.61e-03	-6.09e-03	0.33
473	98	0.34	-5.40e-03	-1.36e-04	-0.19	0.0	0.73	0.90	2.88e-03	7.47e-03	-7.13e-03	-0.14
		-0.14	-7.13e-03	0.0	0.0	60.0	0.73	0.71	2.88e-03	7.47e-03	-5.40e-03	0.34
473	102	0.38	8.07e-03	-1.16e-04	-0.19	0.0	0.71	0.80	0.01	5.82e-03	6.88e-04	-0.05
		-0.05	6.88e-04	-1.33e-06	0.0	60.0	0.71	0.62	0.01	5.82e-03	8.07e-03	0.38

473	103	0.35	7.02e-03	-1.34e-04	-0.19	0.0	0.68	0.89	0.01	7.26e-03	-7.88e-04	-0.13
		-0.13	-7.88e-04	-1.32e-06	0.0	60.0	0.68	0.70	0.01	7.26e-03	7.02e-03	0.35
473	104	0.37	-8.43e-03	-1.15e-04	-0.19	0.0	0.81	0.80	-3.11e-03	5.77e-03	-8.43e-03	-0.05
		-0.05	-0.01	2.24e-06	0.0	60.0	0.81	0.61	-3.11e-03	5.77e-03	-0.01	0.37
473	105	0.34	-9.90e-03	-1.33e-04	-0.19	0.0	0.79	0.88	-2.40e-03	7.21e-03	-9.90e-03	-0.13
		-0.13	-0.01	2.24e-06	0.0	60.0	0.79	0.69	-2.40e-03	7.21e-03	-0.01	0.34
473	106	0.37	-4.17e-03	-1.16e-04	-0.19	0.0	0.76	0.80	2.06e-03	5.80e-03	-5.40e-03	-0.05
		-0.05	-5.40e-03	0.0	0.0	60.0	0.76	0.61	2.06e-03	5.80e-03	-4.17e-03	0.37
473	107	0.35	-5.22e-03	-1.33e-04	-0.19	0.0	0.73	0.88	2.77e-03	7.23e-03	-6.88e-03	-0.13
		-0.13	-6.88e-03	0.0	0.0	60.0	0.73	0.69	2.77e-03	7.23e-03	-5.22e-03	0.35
473	113	3.65	9.65e-03	1.47e-03	-0.19	0.0	7.06	-3.66	8.96e-03	0.02	4.22e-03	3.65
		1.40	4.22e-03	1.88e-04	0.0	60.0	7.06	-3.84	8.96e-03	0.02	9.65e-03	1.40
473	114	-0.71	-0.02	-1.74e-03	-0.19	0.0	-5.59	5.42	-3.43e-03	-7.52e-04	-0.02	-3.90
		-3.90	-0.02	-1.86e-04	0.0	60.0	-5.59	5.23	-3.43e-03	-7.52e-04	-0.02	-0.71
473	132	0.16	0.04	2.47e-04	-0.19	0.0	-0.70	1.70	0.04	0.01	0.02	-0.80
		-0.80	0.02	7.37e-05	0.0	60.0	-0.70	1.51	0.04	0.01	0.04	0.16
473	135	0.55	-0.03	-5.13e-04	-0.19	0.0	2.17	0.07	-0.03	1.35e-03	-0.03	0.55
		0.53	-0.05	-7.20e-05	0.0	60.0	2.17	-0.12	-0.03	1.35e-03	-0.05	0.53
473	145	4.12	0.01	1.67e-03	-0.19	0.0	7.85	-4.22	9.75e-03	0.02	5.64e-03	4.12
		1.53	5.64e-03	2.12e-04	0.0	60.0	7.85	-4.41	9.75e-03	0.02	0.01	1.53
473	146	-0.84	-0.02	-1.94e-03	-0.19	0.0	-6.38	5.99	-4.21e-03	-1.76e-03	-0.02	-4.37
		-4.37	-0.02	-2.10e-04	0.0	60.0	-6.38	5.80	-4.21e-03	-1.76e-03	-0.02	-0.84
473	164	0.14	0.04	2.95e-04	-0.19	0.0	-0.87	1.80	0.04	0.01	0.02	-0.88
		-0.88	0.02	8.34e-05	0.0	60.0	-0.87	1.61	0.04	0.01	0.04	0.14
473	167	0.63	-0.03	-5.61e-04	-0.19	0.0	2.34	-0.03	-0.04	5.93e-04	-0.03	0.63
		0.55	-0.05	-8.17e-05	0.0	60.0	2.34	-0.22	-0.04	5.93e-04	-0.05	0.55
473	177	3.91	0.01	1.62e-03	-0.19	0.0	7.53	-3.97	9.72e-03	0.02	5.63e-03	3.91
		1.47	5.63e-03	2.09e-04	0.0	60.0	7.53	-4.16	9.72e-03	0.02	0.01	1.47
473	178	-0.78	-0.02	-1.89e-03	-0.19	0.0	-6.07	5.74	-4.19e-03	-1.73e-03	-0.02	-4.17
		-4.17	-0.02	-2.08e-04	0.0	60.0	-6.07	5.55	-4.19e-03	-1.73e-03	-0.02	-0.78
473	196	0.14	0.04	2.80e-04	-0.19	0.0	-0.86	1.78	0.04	0.01	0.02	-0.87
		-0.87	0.02	8.64e-05	0.0	60.0	-0.86	1.60	0.04	0.01	0.04	0.14
473	199	0.62	-0.03	-5.46e-04	-0.19	0.0	2.33	-0.02	-0.03	5.19e-04	-0.03	0.62
		0.55	-0.05	-8.47e-05	0.0	60.0	2.33	-0.21	-0.03	5.19e-04	-0.05	0.55
473	209	4.50	0.01	1.90e-03	-0.19	0.0	8.54	-4.68	0.01	0.02	7.80e-03	4.50
		1.64	7.80e-03	2.45e-04	0.0	60.0	8.54	-4.87	0.01	0.02	0.01	1.64
473	210	-0.95	-0.02	-2.17e-03	-0.19	0.0	-7.07	6.45	-5.43e-03	-3.29e-03	-0.02	-4.76
		-4.76	-0.02	-2.43e-04	0.0	60.0	-7.07	6.26	-5.43e-03	-3.29e-03	-0.02	-0.95
473	228	0.11	0.05	3.45e-04	-0.19	0.0	-1.13	1.93	0.05	0.02	0.02	-0.99
		-0.99	0.02	1.04e-04	0.0	60.0	-1.13	1.74	0.05	0.02	0.05	0.11
473	231	0.74	-0.04	-6.11e-04	-0.19	0.0	2.60	-0.17	-0.04	-7.32e-04	-0.04	0.74
		0.58	-0.06	-1.02e-04	0.0	60.0	2.60	-0.35	-0.04	-7.32e-04	-0.06	0.58
474	9	0.87	0.05	-9.19e-06	-0.24	0.0	2.22	-0.20	1.50e-03	9.12e-03	0.05	0.87
		0.67	0.05	-8.07e-06	0.0	60.0	2.22	-0.45	1.50e-03	9.12e-03	0.05	0.67
474	19	0.66	0.09	3.93e-06	-0.19	0.0	1.15	-0.17	4.01e-03	5.72e-03	0.09	0.66
		0.50	0.09	-1.06e-05	0.0	60.0	1.15	-0.36	4.01e-03	5.72e-03	0.09	0.50
474	44	0.84	-0.05	-2.77e-05	-0.24	0.0	3.68	-0.22	-4.38e-03	0.01	-0.05	0.84
		0.63	-0.05	2.99e-06	0.0	60.0	3.68	-0.47	-4.38e-03	0.01	-0.05	0.63
474	45	0.64	-0.05	8.56e-06	-0.19	0.0	2.76	-0.20	-3.52e-03	5.35e-03	-0.05	0.64
		0.47	-0.05	4.66e-06	0.0	60.0	2.76	-0.39	-3.52e-03	5.35e-03	-0.05	0.47
474	69	0.67	0.03	-4.81e-06	-0.19	0.0	1.72	-0.16	8.95e-04	6.69e-03	0.03	0.67
		0.51	0.03	-5.55e-06	0.0	60.0	1.72	-0.35	8.95e-04	6.69e-03	0.03	0.51
474	72	0.66	0.06	2.12e-06	-0.19	0.0	1.44	-0.17	2.31e-03	5.90e-03	0.06	0.66
		0.50	0.06	-7.70e-06	0.0	60.0	1.44	-0.36	2.31e-03	5.90e-03	0.06	0.50
474	85	0.64	-0.03	5.21e-06	-0.19	0.0	2.51	-0.19	-2.70e-03	5.66e-03	-0.03	0.64
		0.47	-0.03	2.51e-06	0.0	60.0	2.51	-0.38	-2.70e-03	5.66e-03	-0.03	0.47
474	88	0.65	-0.03	-1.64e-05	-0.19	0.0	2.70	-0.17	-3.03e-03	7.75e-03	-0.03	0.65
		0.49	-0.04	1.87e-06	0.0	60.0	2.70	-0.36	-3.03e-03	7.75e-03	-0.04	0.49
474	99	0.65	-2.39e-03	2.17e-06	-0.19	0.0	1.97	-0.18	-1.01e-03	5.96e-03	-2.39e-03	0.65
		0.49	-3.00e-03	-1.77e-06	0.0	60.0	1.97	-0.37	-1.01e-03	5.96e-03	-3.00e-03	0.49
474	102	0.65	9.41e-03	3.18e-06	-0.19	0.0	1.85	-0.18	-3.30e-04	5.82e-03	9.41e-03	0.65
		0.49	9.21e-03	-2.92e-06	0.0	60.0	1.85	-0.37	-3.30e-04	5.82e-03	9.21e-03	0.49
474	104	0.65	-8.46e-03	3.80e-06	-0.19	0.0	2.07	-0.18	-1.33e-03	5.77e-03	-8.46e-03	0.65
		0.48	-9.26e-03	0.0	0.0	60.0	2.07	-0.37	-1.33e-03	5.77e-03	-9.26e-03	0.48
474	105	0.65	-8.99e-03	-1.20e-05	-0.19	0.0	2.20	-0.18	-1.57e-03	7.20e-03	-8.99e-03	0.65
		0.48	-9.93e-03	-1.46e-06	0.0	60.0	2.20	-0.36	-1.57e-03	7.20e-03	-9.93e-03	0.48
474	106	0.65	-2.36e-03	3.45e-06	-0.19	0.0	1.96	-0.18	-9.91e-04	5.79e-03	-2.36e-03	0.65
		0.48	-2.96e-03	-1.72e-06	0.0	60.0	1.96	-0.37	-9.91e-04	5.79e-03	-2.96e-03	0.48
474	107	0.65	-2.90e-03	-1.23e-05	-0.19	0.0	2.08	-0.17	-1.23e-03	7.23e-03	-2.90e-03	0.65
		0.49	-3.63e-03	-2.30e-06	0.0	60.0	2.08	-0.36	-1.23e-03	7.23e-03	-3.63e-03	0.49
474	113	1.03	7.63e-04	3.63e-05	-0.19	0.0	3.97	-3.06	8.19e-04	0.02	-0.02	1.03
		-0.74	-0.02	1.89e-04	0.0	60.0	3.97	-3.25	8.19e-04	0.02	7.63e-04	-0.74
474	114	1.71	0.02	-6.09e-05	-0.19	0.0	0.20	2.72	-3.28e-03	-7.57e-04	0.02	0.26
		0.26	-8.03e-03	-1.94e-04	0.0	60.0	0.20	2.53	-3.28e-03	-7.57e-04	-8.03e-03	1.71
474	132	1.00	0.04	-6.28e-05	-0.19	0.0	-0.19	0.37	0.02	0.01	0.02	1.00

		0.74	0.02	6.24e-05	0.0	60.0	-0.19	0.18	0.02	0.01	0.04	0.74
474	133	0.57	-0.03	5.66e-05	-0.19	0.0	5.02	-2.22	-0.02	6.72e-03	-0.03	0.57
		-0.39	-0.04	4.90e-05	0.0	60.0	5.02	-2.40	-0.02	6.72e-03	-0.04	-0.39
474	134	1.37	0.03	-8.12e-05	-0.19	0.0	-0.85	1.87	0.02	7.74e-03	0.03	0.73
		0.73	0.03	-5.36e-05	0.0	60.0	-0.85	1.68	0.02	7.74e-03	0.03	1.37
474	135	0.30	-0.03	3.81e-05	-0.19	0.0	4.36	-0.72	-0.03	1.35e-03	-0.03	0.30
		0.24	-0.05	-6.70e-05	0.0	60.0	4.36	-0.90	-0.03	1.35e-03	-0.05	0.24
474	145	1.08	1.33e-03	4.25e-05	-0.19	0.0	4.20	-3.42	1.09e-03	0.02	-0.03	1.08
		-0.89	-0.03	2.13e-04	0.0	60.0	4.20	-3.61	1.09e-03	0.02	1.33e-03	-0.89
474	146	1.86	0.02	-6.71e-05	-0.19	0.0	-0.03	3.08	-3.54e-03	-1.77e-03	0.02	0.21
		0.21	-8.60e-03	-2.18e-04	0.0	60.0	-0.03	2.89	-3.54e-03	-1.77e-03	-8.60e-03	1.86
474	164	1.04	0.05	-6.91e-05	-0.19	0.0	-0.47	0.44	0.03	0.01	0.02	1.04
		0.77	0.02	7.10e-05	0.0	60.0	-0.47	0.25	0.03	0.01	0.05	0.77
474	165	0.56	-0.04	6.53e-05	-0.19	0.0	5.38	-2.47	-0.02	6.64e-03	-0.04	0.56
		-0.50	-0.04	5.50e-05	0.0	60.0	5.38	-2.66	-0.02	6.64e-03	-0.04	-0.50
474	166	1.48	0.04	-8.99e-05	-0.19	0.0	-1.21	2.12	0.02	7.82e-03	0.03	0.74
		0.74	0.03	-5.96e-05	0.0	60.0	-1.21	1.94	0.02	7.82e-03	0.04	1.48
474	167	0.25	-0.03	4.45e-05	-0.19	0.0	4.64	-0.78	-0.03	5.90e-04	-0.03	0.25
		0.21	-0.06	-7.56e-05	0.0	60.0	4.64	-0.97	-0.03	5.90e-04	-0.06	0.21
474	177	1.06	1.15e-03	4.16e-05	-0.19	0.0	4.13	-3.27	1.10e-03	0.02	-0.02	1.06
		-0.82	-0.02	2.11e-04	0.0	60.0	4.13	-3.46	1.10e-03	0.02	1.15e-03	-0.82
474	178	1.79	0.02	-6.62e-05	-0.19	0.0	0.04	2.92	-3.56e-03	-1.74e-03	0.02	0.23
		0.23	-8.41e-03	-2.16e-04	0.0	60.0	0.04	2.73	-3.56e-03	-1.74e-03	-8.41e-03	1.79
474	196	1.03	0.05	-7.01e-05	-0.19	0.0	-0.44	0.43	0.03	0.01	0.02	1.03
		0.76	0.02	7.41e-05	0.0	60.0	-0.44	0.24	0.03	0.01	0.05	0.76
474	197	0.56	-0.04	6.56e-05	-0.19	0.0	5.31	-2.38	-0.02	6.56e-03	-0.04	0.56
		-0.46	-0.04	5.13e-05	0.0	60.0	5.31	-2.57	-0.02	6.56e-03	-0.04	-0.46
474	198	1.44	0.04	-9.03e-05	-0.19	0.0	-1.14	2.03	0.02	7.90e-03	0.03	0.73
		0.73	0.03	-5.59e-05	0.0	60.0	-1.14	1.84	0.02	7.90e-03	0.04	1.44
474	199	0.27	-0.03	4.55e-05	-0.19	0.0	4.61	-0.77	-0.03	5.15e-04	-0.03	0.27
		0.21	-0.05	-7.87e-05	0.0	60.0	4.61	-0.96	-0.03	5.15e-04	-0.05	0.21
474	209	1.13	1.91e-03	5.03e-05	-0.19	0.0	4.44	-3.72	1.52e-03	0.02	-0.03	1.13
		-1.01	-0.03	2.47e-04	0.0	60.0	4.44	-3.91	1.52e-03	0.02	1.91e-03	-1.01
474	210	1.98	0.02	-7.49e-05	-0.19	0.0	-0.27	3.37	-3.98e-03	-3.30e-03	0.02	0.17
		0.17	-9.18e-03	-2.52e-04	0.0	60.0	-0.27	3.19	-3.98e-03	-3.30e-03	-9.18e-03	1.98
474	228	1.08	0.05	-8.03e-05	-0.19	0.0	-0.85	0.53	0.03	0.02	0.03	1.08
		0.81	0.03	8.98e-05	0.0	60.0	-0.85	0.34	0.03	0.02	0.05	0.81
474	229	0.55	-0.04	7.89e-05	-0.19	0.0	5.83	-2.71	-0.03	6.38e-03	-0.04	0.55
		-0.60	-0.05	5.82e-05	0.0	60.0	5.83	-2.90	-0.03	6.38e-03	-0.05	-0.60
474	230	1.58	0.04	-1.04e-04	-0.19	0.0	-1.66	2.36	0.02	8.09e-03	0.04	0.75
		0.75	0.04	-6.28e-05	0.0	60.0	-1.66	2.17	0.02	8.09e-03	0.04	1.58
474	231	0.21	-0.03	5.56e-05	-0.19	0.0	5.02	-0.87	-0.03	-7.36e-04	-0.03	0.21
		0.17	-0.06	-9.44e-05	0.0	60.0	5.02	-1.06	-0.03	-7.36e-04	-0.06	0.17
475	11	0.59	0.05	-7.28e-05	-0.24	0.0	1.02	0.61	0.06	4.11e-04	0.02	0.30
		0.30	0.02	-3.59e-06	0.0	60.0	1.02	0.37	0.06	4.11e-04	0.05	0.59
475	19	0.44	0.09	-5.91e-05	-0.19	0.0	-0.33	0.50	0.09	2.13e-04	0.04	0.19
		0.19	0.04	-1.11e-05	0.0	60.0	-0.33	0.31	0.09	2.13e-04	0.09	0.44
475	44	0.58	-0.03	-7.06e-05	-0.24	0.0	2.89	0.61	-0.04	3.92e-04	-0.03	0.29
		0.29	-0.05	1.15e-05	0.0	60.0	2.89	0.37	-0.04	3.92e-04	-0.05	0.58
475	53	0.43	-2.84e-03	-5.84e-05	-0.19	0.0	0.80	0.50	1.75e-03	2.42e-04	-3.89e-03	0.19
		0.19	-3.89e-03	2.20e-06	0.0	60.0	0.80	0.31	1.75e-03	2.42e-04	-2.84e-03	0.43
475	71	0.45	0.03	-5.65e-05	-0.19	0.0	0.77	0.48	0.04	3.03e-04	0.01	0.22
		0.22	0.01	-2.15e-06	0.0	60.0	0.77	0.29	0.04	3.03e-04	0.03	0.45
475	72	0.44	0.06	-5.86e-05	-0.19	0.0	0.09	0.50	0.06	2.29e-04	0.02	0.19
		0.19	0.02	-6.60e-06	0.0	60.0	0.09	0.31	0.06	2.29e-04	0.06	0.44
475	88	0.44	-0.02	-5.50e-05	-0.19	0.0	2.01	0.47	-0.03	2.91e-04	-0.02	0.22
		0.22	-0.04	7.92e-06	0.0	60.0	2.01	0.29	-0.03	2.91e-04	-0.04	0.44
475	89	0.43	-2.96e-03	-5.82e-05	-0.19	0.0	0.84	0.50	1.83e-03	2.48e-04	-4.06e-03	0.19
		0.19	-4.06e-03	2.29e-06	0.0	60.0	0.84	0.31	1.83e-03	2.48e-04	-2.96e-03	0.43
475	97	0.43	-2.96e-03	-5.82e-05	-0.19	0.0	0.84	0.50	1.83e-03	2.48e-04	-4.06e-03	0.19
		0.19	-4.06e-03	2.29e-06	0.0	60.0	0.84	0.31	1.83e-03	2.48e-04	-2.96e-03	0.43
475	101	0.44	-3.68e-03	-5.60e-05	-0.19	0.0	1.11	0.49	2.35e-03	2.86e-04	-5.09e-03	0.20
		0.20	-5.09e-03	2.91e-06	0.0	60.0	1.11	0.30	2.35e-03	2.86e-04	-3.68e-03	0.44
475	102	0.43	9.25e-03	-5.83e-05	-0.19	0.0	0.69	0.50	0.01	2.44e-04	1.18e-03	0.19
		0.19	1.18e-03	0.0	0.0	60.0	0.69	0.31	0.01	2.44e-04	9.25e-03	0.43
475	105	0.44	-7.93e-03	-5.57e-05	-0.19	0.0	1.26	0.49	-3.42e-03	2.79e-04	-7.93e-03	0.20
		0.20	-9.98e-03	3.83e-06	0.0	60.0	1.26	0.30	-3.42e-03	2.79e-04	-9.98e-03	0.44
475	106	0.43	-2.96e-03	-5.82e-05	-0.19	0.0	0.84	0.50	1.83e-03	2.48e-04	-4.06e-03	0.19
		0.19	-4.06e-03	2.29e-06	0.0	60.0	0.84	0.31	1.83e-03	2.48e-04	-2.96e-03	0.43
475	107	0.44	-3.63e-03	-5.58e-05	-0.19	0.0	1.10	0.49	2.32e-03	2.81e-04	-5.02e-03	0.20
		0.20	-5.02e-03	2.86e-06	0.0	60.0	1.10	0.30	2.32e-03	2.81e-04	-3.63e-03	0.44
475	113	4.19	-0.02	1.94e-04	-0.19	0.0	9.98	-4.27	2.85e-03	7.84e-03	-0.02	4.19
		1.57	-0.02	1.90e-04	0.0	60.0	9.98	-4.45	2.85e-03	7.84e-03	-0.02	1.57
475	114	-0.70	0.01	-3.06e-04	-0.19	0.0	-7.78	5.24	1.79e-03	-7.28e-03	8.79e-03	-3.79
		-3.79	8.79e-03	-1.84e-04	0.0	60.0	-7.78	5.05	1.79e-03	-7.28e-03	0.01	-0.70

475	133	2.98	-0.03	1.08e-04	-0.19	0.0	9.69	-2.81	-0.02	-8.36e-04	-0.03	2.98
		1.24	-0.04	4.37e-05	0.0	60.0	9.69	-3.00	-0.02	-8.36e-04	-0.04	1.24
475	134	-0.36	0.04	-2.20e-04	-0.19	0.0	-7.49	3.79	0.02	1.40e-03	0.02	-2.58
		-2.58	0.02	-3.79e-05	0.0	60.0	-7.49	3.60	0.02	1.40e-03	0.04	-0.36
475	145	4.69	-0.02	2.25e-04	-0.19	0.0	11.09	-4.86	2.94e-03	8.79e-03	-0.02	4.69
		1.71	-0.02	2.14e-04	0.0	60.0	11.09	-5.05	2.94e-03	8.79e-03	-0.02	1.71
475	146	-0.84	0.01	-3.37e-04	-0.19	0.0	-8.89	5.83	1.70e-03	-8.23e-03	0.01	-4.28
		-4.28	0.01	-2.08e-04	0.0	60.0	-8.89	5.65	1.70e-03	-8.23e-03	0.01	-0.84
475	165	3.33	-0.04	1.29e-04	-0.19	0.0	10.76	-3.22	-0.02	-9.83e-04	-0.04	3.33
		1.34	-0.05	4.85e-05	0.0	60.0	10.76	-3.41	-0.02	-9.83e-04	-0.05	1.34
475	166	-0.46	0.04	-2.40e-04	-0.19	0.0	-8.56	4.20	0.02	1.54e-03	0.03	-2.92
		-2.92	0.03	-4.28e-05	0.0	60.0	-8.56	4.01	0.02	1.54e-03	0.04	-0.46
475	177	4.47	-0.02	2.09e-04	-0.19	0.0	10.66	-4.60	2.96e-03	8.56e-03	-0.02	4.47
		1.65	-0.02	2.11e-04	0.0	60.0	10.66	-4.79	2.96e-03	8.56e-03	-0.02	1.65
475	178	-0.78	0.01	-3.20e-04	-0.19	0.0	-8.46	5.57	1.67e-03	-8.00e-03	9.76e-03	-4.07
		-4.07	9.76e-03	-2.06e-04	0.0	60.0	-8.46	5.39	1.67e-03	-8.00e-03	0.01	-0.78
475	197	3.20	-0.03	1.23e-04	-0.19	0.0	10.51	-3.07	-0.02	-1.02e-03	-0.03	3.20
		1.30	-0.05	4.51e-05	0.0	60.0	10.51	-3.25	-0.02	-1.02e-03	-0.05	1.30
475	198	-0.43	0.04	-2.35e-04	-0.19	0.0	-8.31	4.04	0.02	1.58e-03	0.02	-2.79
		-2.79	0.02	-3.94e-05	0.0	60.0	-8.31	3.85	0.02	1.58e-03	0.04	-0.43
475	209	5.09	-0.02	2.45e-04	-0.19	0.0	12.08	-5.34	3.06e-03	9.88e-03	-0.02	5.09
		1.83	-0.02	2.47e-04	0.0	60.0	12.08	-5.53	3.06e-03	9.88e-03	-0.02	1.83
475	210	-0.96	0.02	-3.57e-04	-0.19	0.0	-9.88	6.32	1.58e-03	-9.32e-03	0.01	-4.69
		-4.69	0.01	-2.41e-04	0.0	60.0	-9.88	6.13	1.58e-03	-9.32e-03	0.02	-0.96
475	229	3.64	-0.04	1.51e-04	-0.19	0.0	11.99	-3.60	-0.02	-1.29e-03	-0.04	3.64
		1.43	-0.05	5.04e-05	0.0	60.0	11.99	-3.79	-0.02	-1.29e-03	-0.05	1.43
475	230	-0.56	0.05	-2.63e-04	-0.19	0.0	-9.79	4.57	0.03	1.85e-03	0.03	-3.24
		-3.24	0.03	-4.47e-05	0.0	60.0	-9.79	4.38	0.03	1.85e-03	0.05	-0.56
476	11	0.84	0.05	7.11e-05	-0.24	0.0	2.12	-0.56	1.61e-03	4.08e-04	0.05	0.84
		0.43	0.05	-2.35e-06	0.0	60.0	2.12	-0.80	1.61e-03	4.08e-04	0.05	0.43
476	19	0.63	0.09	5.00e-05	-0.19	0.0	0.67	-0.33	4.44e-03	2.10e-04	0.09	0.63
		0.38	0.09	-4.90e-06	0.0	60.0	0.67	-0.51	4.44e-03	2.10e-04	0.09	0.38
476	31	0.62	-0.03	5.55e-05	-0.19	0.0	2.91	-0.47	-2.62e-03	3.13e-04	-0.03	0.62
		0.29	-0.03	1.70e-06	0.0	60.0	2.91	-0.65	-2.62e-03	3.13e-04	-0.03	0.29
476	44	0.82	-0.05	7.01e-05	-0.24	0.0	3.95	-0.55	-3.75e-03	3.89e-04	-0.05	0.82
		0.42	-0.05	2.49e-06	0.0	60.0	3.95	-0.79	-3.75e-03	3.89e-04	-0.05	0.42
476	71	0.64	0.03	5.38e-05	-0.19	0.0	1.63	-0.41	1.00e-03	3.01e-04	0.03	0.64
		0.34	0.03	-1.55e-06	0.0	60.0	1.63	-0.60	1.00e-03	3.01e-04	0.03	0.34
476	72	0.63	0.06	5.02e-05	-0.19	0.0	1.07	-0.33	2.71e-03	2.26e-04	0.06	0.63
		0.38	0.06	-3.17e-06	0.0	60.0	1.07	-0.52	2.71e-03	2.26e-04	0.06	0.38
476	79	0.62	-0.02	5.39e-05	-0.19	0.0	2.56	-0.43	-2.00e-03	2.94e-04	-0.02	0.62
		0.31	-0.02	1.22e-06	0.0	60.0	2.56	-0.61	-2.00e-03	2.94e-04	-0.02	0.31
476	88	0.63	-0.03	5.31e-05	-0.19	0.0	2.85	-0.40	-2.57e-03	2.88e-04	-0.03	0.63
		0.33	-0.04	1.68e-06	0.0	60.0	2.85	-0.59	-2.57e-03	2.88e-04	-0.04	0.33
476	98	0.63	-2.96e-03	5.26e-05	-0.19	0.0	1.99	-0.40	-9.51e-04	2.84e-04	-2.96e-03	0.63
		0.33	-3.53e-03	0.0	0.0	60.0	1.99	-0.59	-9.51e-04	2.84e-04	-3.53e-03	0.33
476	101	0.63	-2.92e-03	5.24e-05	-0.19	0.0	1.99	-0.39	-9.34e-04	2.84e-04	-2.92e-03	0.63
		0.34	-3.48e-03	0.0	0.0	60.0	1.99	-0.58	-9.34e-04	2.84e-04	-3.48e-03	0.34
476	102	0.63	9.35e-03	4.99e-05	-0.19	0.0	1.66	-0.33	-1.91e-05	2.41e-04	9.35e-03	0.63
		0.37	9.34e-03	0.0	0.0	60.0	1.66	-0.52	-1.91e-05	2.41e-04	9.34e-03	0.37
476	105	0.63	-9.04e-03	5.22e-05	-0.19	0.0	2.13	-0.39	-1.23e-03	2.76e-04	-9.04e-03	0.63
		0.34	-9.78e-03	0.0	0.0	60.0	2.13	-0.58	-1.23e-03	2.76e-04	-9.78e-03	0.34
476	106	0.63	-2.46e-03	4.98e-05	-0.19	0.0	1.81	-0.33	-7.00e-04	2.45e-04	-2.46e-03	0.63
		0.37	-2.88e-03	0.0	0.0	60.0	1.81	-0.52	-7.00e-04	2.45e-04	-2.88e-03	0.37
476	107	0.63	-2.89e-03	5.22e-05	-0.19	0.0	1.97	-0.39	-9.15e-04	2.78e-04	-2.89e-03	0.63
		0.34	-3.44e-03	0.0	0.0	60.0	1.97	-0.58	-9.15e-04	2.78e-04	-3.44e-03	0.34
476	113	1.12	-7.91e-03	2.23e-04	-0.19	0.0	3.48	-3.37	-3.51e-03	7.84e-03	-7.91e-03	1.12
		-0.97	-0.01	1.90e-04	0.0	60.0	3.48	-3.56	-3.51e-03	7.84e-03	-0.01	-0.97
476	114	1.64	3.17e-03	-1.19e-04	-0.19	0.0	0.46	2.60	1.68e-03	-7.29e-03	2.13e-03	0.13
		0.13	2.13e-03	-1.89e-04	0.0	60.0	0.46	2.41	1.68e-03	-7.29e-03	3.17e-03	1.64
476	124	0.95	0.04	1.61e-04	-0.19	0.0	-1.25	-2.43	0.02	-8.65e-04	0.02	0.95
		-0.57	0.02	3.48e-05	0.0	60.0	-1.25	-2.62	0.02	-8.65e-04	0.04	-0.57
476	127	1.24	-0.03	-5.71e-05	-0.19	0.0	5.19	1.65	-0.02	1.42e-03	-0.03	0.30
		0.30	-0.04	-3.39e-05	0.0	60.0	5.19	1.46	-0.02	1.42e-03	-0.04	1.24
476	133	0.97	-0.03	1.59e-04	-0.19	0.0	5.53	-2.49	-0.02	-8.37e-04	-0.03	0.97
		-0.58	-0.04	4.56e-05	0.0	60.0	5.53	-2.68	-0.02	-8.37e-04	-0.04	-0.58
476	134	1.26	0.03	-5.49e-05	-0.19	0.0	-1.59	1.71	0.02	1.39e-03	0.02	0.28
		0.28	0.02	-4.47e-05	0.0	60.0	-1.59	1.52	0.02	1.39e-03	0.03	1.26
476	145	1.18	-8.53e-03	2.44e-04	-0.19	0.0	3.67	-3.75	-3.82e-03	8.79e-03	-8.53e-03	1.18
		-1.13	-0.01	2.13e-04	0.0	60.0	3.67	-3.94	-3.82e-03	8.79e-03	-0.01	-1.13
476	146	1.80	3.97e-03	-1.40e-04	-0.19	0.0	0.27	2.97	1.99e-03	-8.23e-03	2.75e-03	0.07
		0.07	2.75e-03	-2.13e-04	0.0	60.0	0.27	2.78	1.99e-03	-8.23e-03	3.97e-03	1.80
476	156	0.99	0.04	1.75e-04	-0.19	0.0	-1.65	-2.68	0.02	-1.01e-03	0.03	0.99
		-0.68	0.03	3.88e-05	0.0	60.0	-1.65	-2.87	0.02	-1.01e-03	0.04	-0.68
476	159	1.35	-0.03	-7.08e-05	-0.19	0.0	5.59	1.90	-0.03	1.57e-03	-0.03	0.26

		0.26	-0.05	-3.79e-05	0.0	60.0	5.59	1.72	-0.03	1.57e-03	-0.05	1.35
476	165	1.01	-0.03	1.73e-04	-0.19	0.0	5.97	-2.75	-0.02	-9.84e-04	-0.03	1.01
		-0.70	-0.04	5.11e-05	0.0	60.0	5.97	-2.94	-0.02	-9.84e-04	-0.04	-0.70
476	166	1.37	0.03	-6.84e-05	-0.19	0.0	-2.03	1.97	0.02	1.54e-03	0.02	0.24
		0.24	0.02	-5.02e-05	0.0	60.0	-2.03	1.78	0.02	1.54e-03	0.03	1.37
476	177	1.16	-8.44e-03	2.33e-04	-0.19	0.0	3.60	-3.59	-3.75e-03	8.56e-03	-8.44e-03	1.16
		-1.05	-0.01	2.11e-04	0.0	60.0	3.60	-3.78	-3.75e-03	8.56e-03	-0.01	-1.05
476	178	1.73	3.85e-03	-1.29e-04	-0.19	0.0	0.34	2.81	1.92e-03	-8.00e-03	2.66e-03	0.09
		0.09	2.66e-03	-2.10e-04	0.0	60.0	0.34	2.62	1.92e-03	-8.00e-03	3.85e-03	1.73
476	188	0.98	0.04	1.72e-04	-0.19	0.0	-1.58	-2.58	0.02	-1.04e-03	0.03	0.98
		-0.64	0.03	3.56e-05	0.0	60.0	-1.58	-2.77	0.02	-1.04e-03	0.04	-0.64
476	191	1.31	-0.03	-6.73e-05	-0.19	0.0	5.52	1.81	-0.02	1.60e-03	-0.03	0.28
		0.28	-0.05	-3.48e-05	0.0	60.0	5.52	1.62	-0.02	1.60e-03	-0.05	1.31
476	197	1.00	-0.03	1.71e-04	-0.19	0.0	5.89	-2.65	-0.02	-1.02e-03	-0.03	1.00
		-0.65	-0.04	4.78e-05	0.0	60.0	5.89	-2.84	-0.02	-1.02e-03	-0.04	-0.65
476	198	1.33	0.03	-6.68e-05	-0.19	0.0	-1.95	1.88	0.02	1.57e-03	0.02	0.25
		0.25	0.02	-4.69e-05	0.0	60.0	-1.95	1.69	0.02	1.57e-03	0.03	1.33
476	209	1.24	-9.38e-03	2.58e-04	-0.19	0.0	3.85	-4.06	-4.23e-03	9.88e-03	-9.38e-03	1.24
		-1.26	-0.01	2.47e-04	0.0	60.0	3.85	-4.24	-4.23e-03	9.88e-03	-0.01	-1.26
476	210	1.93	5.07e-03	-1.54e-04	-0.19	0.0	0.08	3.28	2.40e-03	-9.32e-03	3.60e-03	0.02
		0.02	3.60e-03	-2.46e-04	0.0	60.0	0.08	3.09	2.40e-03	-9.32e-03	5.07e-03	1.93
476	220	1.03	0.05	1.90e-04	-0.19	0.0	-2.16	-2.91	0.03	-1.32e-03	0.03	1.03
		-0.78	0.03	3.99e-05	0.0	60.0	-2.16	-3.10	0.03	-1.32e-03	0.05	-0.78
476	223	1.45	-0.04	-8.57e-05	-0.19	0.0	6.09	2.13	-0.03	1.88e-03	-0.04	0.22
		0.22	-0.05	-3.90e-05	0.0	60.0	6.09	1.94	-0.03	1.88e-03	-0.05	1.45
476	229	1.05	-0.03	1.90e-04	-0.19	0.0	6.51	-2.99	-0.02	-1.29e-03	-0.03	1.05
		-0.80	-0.05	5.42e-05	0.0	60.0	6.51	-3.18	-0.02	-1.29e-03	-0.05	-0.80
476	230	1.48	0.04	-8.59e-05	-0.19	0.0	-2.58	2.22	0.02	1.85e-03	0.03	0.20
		0.20	0.03	-5.33e-05	0.0	60.0	-2.58	2.03	0.02	1.85e-03	0.04	1.48
477	4	0.83	0.05	5.04e-05	-0.24	0.0	2.74	-0.02	0.06	-9.99e-03	0.01	0.83
		0.74	0.01	2.44e-06	0.0	60.0	2.74	-0.27	0.06	-9.99e-03	0.05	0.74
477	19	0.51	0.09	-1.29e-05	-0.19	0.0	0.64	0.26	0.09	-4.48e-03	0.03	0.41
		0.41	0.03	-5.55e-06	0.0	60.0	0.64	0.07	0.09	-4.48e-03	0.09	0.51
477	28	0.81	-0.02	4.84e-05	-0.24	0.0	3.68	-7.82e-03	-0.02	-9.86e-03	-0.02	0.81
		0.73	-0.03	8.63e-06	0.0	60.0	3.68	-0.25	-0.02	-9.86e-03	-0.03	0.73
477	44	0.74	-0.03	3.11e-05	-0.24	0.0	3.67	0.08	-0.04	-8.84e-03	-0.03	0.73
		0.71	-0.05	8.46e-06	0.0	60.0	3.67	-0.16	-0.04	-8.84e-03	-0.05	0.71
477	45	0.49	-0.03	-1.63e-05	-0.19	0.0	2.20	0.28	-0.04	-4.26e-03	-0.03	0.38
		0.38	-0.05	4.78e-06	0.0	60.0	2.20	0.10	-0.04	-4.26e-03	-0.05	0.49
477	68	0.60	0.03	2.99e-05	-0.19	0.0	1.98	0.03	0.04	-7.13e-03	8.56e-03	0.60
		0.56	8.56e-03	1.93e-06	0.0	60.0	1.98	-0.16	0.04	-7.13e-03	0.03	0.56
477	72	0.51	0.06	-1.02e-05	-0.19	0.0	0.96	0.24	0.06	-4.66e-03	0.02	0.42
		0.42	0.02	-2.64e-06	0.0	60.0	0.96	0.06	0.06	-4.66e-03	0.06	0.51
477	80	0.59	-0.02	2.85e-05	-0.19	0.0	2.60	0.04	-0.01	-7.04e-03	-0.02	0.58
		0.55	-0.02	6.06e-06	0.0	60.0	2.60	-0.15	-0.01	-7.04e-03	-0.02	0.55
477	85	0.50	-0.02	-1.24e-05	-0.19	0.0	2.00	0.26	-0.03	-4.51e-03	-0.02	0.40
		0.40	-0.03	4.37e-06	0.0	60.0	2.00	0.08	-0.03	-4.51e-03	-0.03	0.50
477	88	0.55	-0.02	1.70e-05	-0.19	0.0	2.59	0.10	-0.03	-6.36e-03	-0.02	0.53
		0.53	-0.04	5.95e-06	0.0	60.0	2.59	-0.09	-0.03	-6.36e-03	-0.04	0.54
477	98	0.54	-4.16e-03	1.45e-05	-0.19	0.0	1.98	0.12	3.26e-03	-6.09e-03	-6.11e-03	0.52
		0.52	-6.11e-03	4.54e-06	0.0	60.0	1.98	-0.07	3.26e-03	-6.09e-03	-4.16e-03	0.53
477	102	0.50	8.79e-03	-1.11e-05	-0.19	0.0	1.36	0.25	0.01	-4.59e-03	3.32e-04	0.41
		0.41	3.32e-04	2.05e-06	0.0	60.0	1.36	0.07	0.01	-4.59e-03	8.79e-03	0.50
477	104	0.50	-7.62e-03	-1.16e-05	-0.19	0.0	1.57	0.26	-3.19e-03	-4.57e-03	-7.62e-03	0.40
		0.40	-9.54e-03	3.42e-06	0.0	60.0	1.57	0.07	-3.19e-03	-4.57e-03	-9.54e-03	0.50
477	105	0.53	-8.74e-03	1.06e-05	-0.19	0.0	2.01	0.14	-2.55e-03	-5.86e-03	-8.74e-03	0.50
		0.50	-0.01	4.59e-06	0.0	60.0	2.01	-0.05	-2.55e-03	-5.86e-03	-0.01	0.53
477	106	0.50	-3.31e-03	-1.14e-05	-0.19	0.0	1.46	0.26	2.51e-03	-4.58e-03	-4.82e-03	0.40
		0.40	-4.82e-03	3.19e-06	0.0	60.0	1.46	0.07	2.51e-03	-4.58e-03	-3.31e-03	0.50
477	107	0.53	-4.04e-03	1.08e-05	-0.19	0.0	1.91	0.14	3.15e-03	-5.87e-03	-5.93e-03	0.50
		0.50	-5.93e-03	4.35e-06	0.0	60.0	1.91	-0.05	3.15e-03	-5.87e-03	-4.04e-03	0.53
477	108	4.30	-7.18e-03	1.05e-04	-0.19	0.0	6.95	-4.44	0.03	1.74e-03	-8.37e-03	4.30
		1.58	-8.37e-03	1.97e-04	0.0	60.0	6.95	-4.63	0.03	1.74e-03	-7.18e-03	1.58
477	111	-0.52	-8.96e-04	-8.34e-05	-0.19	0.0	-3.14	4.72	-0.02	-0.01	-3.48e-03	-3.30
		-3.30	-3.48e-03	-1.88e-04	0.0	60.0	-3.14	4.53	-0.02	-0.01	-8.96e-04	-0.52
477	113	4.29	-0.02	1.01e-04	-0.19	0.0	8.83	-4.42	0.01	1.71e-03	-0.02	4.29
		1.59	-0.03	1.96e-04	0.0	60.0	8.83	-4.60	0.01	1.71e-03	-0.03	1.59
477	114	-0.53	0.02	-7.99e-05	-0.19	0.0	-5.02	4.70	-5.09e-03	-0.01	9.16e-03	-3.29
		-3.29	9.16e-03	-1.88e-04	0.0	60.0	-5.02	4.51	-5.09e-03	-0.01	0.02	-0.53
477	125	0.36	-0.03	-5.22e-05	-0.19	0.0	5.51	0.99	-0.02	-3.64e-04	-0.03	-0.18
		-0.18	-0.05	7.56e-05	0.0	60.0	5.51	0.80	-0.02	-3.64e-04	-0.05	0.36
477	126	1.18	0.04	7.39e-05	-0.19	0.0	-1.70	-0.71	0.03	-0.01	0.02	1.18
		0.70	0.02	-6.69e-05	0.0	60.0	-1.70	-0.89	0.03	-0.01	0.04	0.70
477	140	4.77	-7.60e-03	1.17e-04	-0.19	0.0	7.58	-5.01	0.03	2.70e-03	-8.70e-03	4.77
		1.71	-8.70e-03	2.21e-04	0.0	60.0	7.58	-5.20	0.03	2.70e-03	-7.60e-03	1.71

477	143	-0.66	-4.75e-04	-9.53e-05	-0.19	0.0	-3.77	5.29	-0.02	-0.01	-3.15e-03	-3.78
		-3.78	-3.15e-03	-2.13e-04	0.0	60.0	-3.77	5.11	-0.02	-0.01	-4.75e-04	-0.66
477	145	4.76	-0.02	1.13e-04	-0.19	0.0	9.70	-4.98	0.01	2.67e-03	-0.02	4.76
		1.72	-0.03	2.21e-04	0.0	60.0	9.70	-5.17	0.01	2.67e-03	-0.03	1.72
477	146	-0.66	0.02	-9.13e-05	-0.19	0.0	-5.89	5.26	-6.13e-03	-0.01	0.01	-3.76
		-3.76	0.01	-2.12e-04	0.0	60.0	-5.89	5.08	-6.13e-03	-0.01	0.02	-0.66
477	157	0.34	-0.03	-6.02e-05	-0.19	0.0	5.95	1.09	-0.03	3.46e-04	-0.03	-0.26
		-0.26	-0.05	8.51e-05	0.0	60.0	5.95	0.90	-0.03	3.46e-04	-0.05	0.34
477	158	1.26	0.05	8.18e-05	-0.19	0.0	-2.14	-0.81	0.03	-0.01	0.02	1.26
		0.72	0.02	-7.64e-05	0.0	60.0	-2.14	-1.00	0.03	-0.01	0.05	0.72
477	172	4.57	-7.51e-03	1.16e-04	-0.19	0.0	7.33	-4.76	0.03	2.69e-03	-8.90e-03	4.57
		1.65	-8.90e-03	2.19e-04	0.0	60.0	7.33	-4.95	0.03	2.69e-03	-7.51e-03	1.65
477	175	-0.60	-5.65e-04	-9.39e-05	-0.19	0.0	-3.52	5.04	-0.02	-0.01	-2.95e-03	-3.57
		-3.57	-2.95e-03	-2.11e-04	0.0	60.0	-3.52	4.85	-0.02	-0.01	-5.65e-04	-0.60
477	177	4.56	-0.02	1.12e-04	-0.19	0.0	9.35	-4.73	0.01	2.66e-03	-0.02	4.56
		1.66	-0.03	2.19e-04	0.0	60.0	9.35	-4.92	0.01	2.66e-03	-0.03	1.66
477	178	-0.61	0.02	-9.00e-05	-0.19	0.0	-5.54	5.01	-5.44e-03	-0.01	0.01	-3.56
		-3.56	0.01	-2.10e-04	0.0	60.0	-5.54	4.83	-5.44e-03	-0.01	0.02	-0.61
477	189	0.34	-0.03	-6.14e-05	-0.19	0.0	5.63	1.07	-0.03	3.98e-04	-0.03	-0.25
		-0.25	-0.05	8.80e-05	0.0	60.0	5.63	0.88	-0.03	3.98e-04	-0.05	0.34
477	190	1.24	0.05	8.31e-05	-0.19	0.0	-1.82	-0.79	0.03	-0.01	0.02	1.24
		0.71	0.02	-7.93e-05	0.0	60.0	-1.82	-0.98	0.03	-0.01	0.05	0.71
477	204	5.16	-8.06e-03	1.33e-04	-0.19	0.0	8.13	-5.48	0.03	4.18e-03	-9.53e-03	5.16
		1.82	-9.53e-03	2.56e-04	0.0	60.0	8.13	-5.67	0.03	4.18e-03	-8.06e-03	1.82
477	207	-0.77	-1.32e-05	-1.11e-04	-0.19	0.0	-4.32	5.76	-0.02	-0.02	-2.33e-03	-4.16
		-4.16	-2.33e-03	-2.47e-04	0.0	60.0	-4.32	5.57	-0.02	-0.02	-1.32e-05	-0.77
477	209	5.15	-0.03	1.28e-04	-0.19	0.0	10.45	-5.44	0.01	4.15e-03	-0.03	5.15
		1.83	-0.03	2.56e-04	0.0	60.0	10.45	-5.63	0.01	4.15e-03	-0.03	1.83
477	210	-0.77	0.03	-1.07e-04	-0.19	0.0	-6.64	5.72	-6.54e-03	-0.02	0.01	-4.15
		-4.15	0.01	-2.47e-04	0.0	60.0	-6.64	5.54	-6.54e-03	-0.02	0.03	-0.77
477	221	0.31	-0.04	-7.39e-05	-0.19	0.0	6.14	1.22	-0.03	1.56e-03	-0.04	-0.37
		-0.37	-0.06	1.05e-04	0.0	60.0	6.14	1.04	-0.03	1.56e-03	-0.06	0.31
477	222	1.37	0.05	9.55e-05	-0.19	0.0	-2.33	-0.94	0.04	-0.01	0.03	1.37
		0.74	0.03	-9.61e-05	0.0	60.0	-2.33	-1.13	0.04	-0.01	0.05	0.74
478	16	0.86	0.08	1.31e-04	-0.24	0.0	2.51	-0.66	7.68e-03	-6.80e-03	0.08	0.86
		0.39	0.08	-2.37e-06	0.0	60.0	2.51	-0.91	7.68e-03	-6.80e-03	0.08	0.39
478	19	0.66	0.09	9.25e-05	-0.19	0.0	1.78	-0.47	8.44e-03	-4.49e-03	0.08	0.66
		0.33	0.08	-2.70e-06	0.0	60.0	1.78	-0.65	8.44e-03	-4.49e-03	0.09	0.33
478	32	0.61	-0.03	1.39e-04	-0.19	0.0	2.59	-0.74	-5.66e-03	-8.06e-03	-0.03	0.61
		0.11	-0.04	1.24e-06	0.0	60.0	2.59	-0.93	-5.66e-03	-8.06e-03	-0.04	0.11
478	44	0.81	-0.05	1.58e-04	-0.24	0.0	3.32	-0.84	-7.83e-03	-8.85e-03	-0.05	0.81
		0.23	-0.06	1.13e-06	0.0	60.0	3.32	-1.08	-7.83e-03	-8.85e-03	-0.06	0.23
478	72	0.65	0.06	9.44e-05	-0.19	0.0	1.91	-0.48	5.05e-03	-4.66e-03	0.05	0.65
		0.31	0.05	-1.63e-06	0.0	60.0	1.91	-0.67	5.05e-03	-4.66e-03	0.06	0.31
478	73	0.66	0.06	9.81e-05	-0.19	0.0	1.94	-0.50	4.96e-03	-5.00e-03	0.05	0.66
		0.30	0.05	-1.55e-06	0.0	60.0	1.94	-0.68	4.96e-03	-5.00e-03	0.06	0.30
478	80	0.62	-0.02	1.26e-04	-0.19	0.0	2.44	-0.66	-4.35e-03	-7.04e-03	-0.02	0.62
		0.17	-0.03	1.02e-06	0.0	60.0	2.44	-0.85	-4.35e-03	-7.04e-03	-0.03	0.17
478	88	0.62	-0.03	1.16e-04	-0.19	0.0	2.48	-0.61	-5.38e-03	-6.37e-03	-0.03	0.62
		0.20	-0.04	0.0	0.0	60.0	2.48	-0.80	-5.38e-03	-6.37e-03	-0.04	0.20
478	98	0.63	-5.61e-03	1.14e-04	-0.19	0.0	2.24	-0.60	-2.13e-03	-6.09e-03	-5.61e-03	0.63
		0.21	-6.88e-03	1.25e-06	0.0	60.0	2.24	-0.78	-2.13e-03	-6.09e-03	-6.88e-03	0.21
478	102	0.64	7.05e-03	9.29e-05	-0.19	0.0	2.08	-0.48	-2.58e-04	-4.60e-03	7.05e-03	0.64
		0.30	6.89e-03	0.0	0.0	60.0	2.08	-0.67	-2.58e-04	-4.60e-03	6.89e-03	0.30
478	105	0.63	-0.01	1.10e-04	-0.19	0.0	2.26	-0.58	-2.68e-03	-5.86e-03	-0.01	0.63
		0.22	-0.01	0.0	0.0	60.0	2.26	-0.77	-2.68e-03	-5.86e-03	-0.01	0.22
478	106	0.64	-4.34e-03	9.25e-05	-0.19	0.0	2.13	-0.48	-1.58e-03	-4.58e-03	-4.34e-03	0.64
		0.30	-5.29e-03	0.0	0.0	60.0	2.13	-0.66	-1.58e-03	-4.58e-03	-5.29e-03	0.30
478	107	0.63	-5.43e-03	1.11e-04	-0.19	0.0	2.22	-0.58	-2.05e-03	-5.88e-03	-5.43e-03	0.63
		0.23	-6.65e-03	1.15e-06	0.0	60.0	2.22	-0.77	-2.05e-03	-5.88e-03	-6.65e-03	0.23
478	113	0.98	-0.03	5.89e-05	-0.19	0.0	3.25	-3.43	-0.02	1.71e-03	-0.03	0.98
		-1.02	-0.04	1.96e-04	0.0	60.0	3.25	-3.62	-0.02	1.71e-03	-0.04	-1.02
478	114	1.47	0.02	1.63e-04	-0.19	0.0	1.19	2.27	0.02	-0.01	0.01	0.28
		0.28	0.01	-1.94e-04	0.0	60.0	1.19	2.09	0.02	-0.01	0.02	1.47
478	125	0.56	-0.03	3.62e-05	-0.19	0.0	2.81	-0.12	-0.03	-3.66e-04	-0.03	0.56
		0.43	-0.05	8.08e-05	0.0	60.0	2.81	-0.31	-0.03	-3.66e-04	-0.05	0.43
478	126	0.70	0.03	1.85e-04	-0.19	0.0	1.63	-1.03	0.02	-0.01	0.02	0.70
		0.02	0.02	-7.85e-05	0.0	60.0	1.63	-1.22	0.02	-0.01	0.03	0.02
478	145	1.02	-0.03	5.28e-05	-0.19	0.0	3.38	-3.79	-0.02	2.67e-03	-0.03	1.02
		-1.17	-0.04	2.21e-04	0.0	60.0	3.38	-3.97	-0.02	2.67e-03	-0.04	-1.17
478	146	1.63	0.03	1.69e-04	-0.19	0.0	1.06	2.63	0.02	-0.01	0.02	0.24
		0.24	0.02	-2.19e-04	0.0	60.0	1.06	2.44	0.02	-0.01	0.03	1.63
478	157	0.55	-0.03	2.69e-05	-0.19	0.0	2.88	-0.07	-0.03	3.44e-04	-0.03	0.55
		0.45	-0.05	9.14e-05	0.0	60.0	2.88	-0.26	-0.03	3.44e-04	-0.05	0.45
478	158	0.71	0.04	1.95e-04	-0.19	0.0	1.56	-1.09	0.03	-0.01	0.02	0.71

		-2.63e-03	0.02	-8.91e-05	0.0	60.0	1.56	-1.27	0.03	-0.01	0.04	-2.63e-03
478	177	1.00	-0.03	6.50e-05	-0.19	0.0	3.30	-3.64	-0.02	2.66e-03	-0.03	1.00
		-1.11	-0.04	2.19e-04	0.0	60.0	3.30	-3.83	-0.02	2.66e-03	-0.04	-1.11
478	178	1.56	0.03	1.57e-04	-0.19	0.0	1.14	2.48	0.02	-0.01	0.02	0.26
		0.26	0.02	-2.17e-04	0.0	60.0	1.14	2.29	0.02	-0.01	0.03	1.56
478	189	0.55	-0.03	3.07e-05	-0.19	0.0	2.83	-0.08	-0.03	3.97e-04	-0.03	0.55
		0.45	-0.05	9.42e-05	0.0	60.0	2.83	-0.27	-0.03	3.97e-04	-0.05	0.45
478	190	0.71	0.04	1.91e-04	-0.19	0.0	1.61	-1.07	0.03	-0.01	0.02	0.71
		3.05e-03	0.02	-9.19e-05	0.0	60.0	1.61	-1.26	0.03	-0.01	0.04	3.05e-03
478	209	1.06	-0.03	6.38e-05	-0.19	0.0	3.45	-4.09	-0.03	4.15e-03	-0.03	1.06
		-1.30	-0.05	2.57e-04	0.0	60.0	3.45	-4.28	-0.03	4.15e-03	-0.05	-1.30
478	210	1.75	0.03	1.58e-04	-0.19	0.0	0.99	2.93	0.02	-0.02	0.02	0.20
		0.20	0.02	-2.54e-04	0.0	60.0	0.99	2.74	0.02	-0.02	0.03	1.75
478	221	0.54	-0.04	1.92e-05	-0.19	0.0	2.92	-2.23e-03	-0.04	1.56e-03	-0.04	0.54
		0.49	-0.06	1.13e-04	0.0	60.0	2.92	-0.19	-0.04	1.56e-03	-0.06	0.49
478	222	0.72	0.04	2.02e-04	-0.19	0.0	1.52	-1.15	0.03	-0.01	0.03	0.72
		-0.03	0.03	-1.10e-04	0.0	60.0	1.52	-1.34	0.03	-0.01	0.04	-0.03
479	12	0.60	0.10	-1.00e-04	-0.19	0.0	-1.55	0.27	0.11	2.91e-03	0.04	0.50
		0.50	0.04	-7.47e-06	0.0	60.0	-1.55	0.08	0.11	2.91e-03	0.10	0.60
479	17	0.83	0.17	-1.58e-04	-0.24	0.0	-2.21	0.37	0.19	6.21e-03	0.06	0.69
		0.69	0.06	-1.34e-05	0.0	60.0	-2.21	0.12	0.19	6.21e-03	0.17	0.83
479	18	0.83	0.17	-1.62e-04	-0.24	0.0	-2.20	0.37	0.19	6.01e-03	0.06	0.68
		0.68	0.06	-1.28e-05	0.0	60.0	-2.20	0.13	0.19	6.01e-03	0.17	0.83
479	27	0.85	-6.76e-03	-1.71e-04	-0.24	0.0	-1.99	0.38	-0.06	6.80e-03	-6.76e-03	0.70
		0.70	-0.04	1.96e-05	0.0	60.0	-1.99	0.13	-0.06	6.80e-03	-0.04	0.85
479	45	0.61	-0.02	-9.19e-05	-0.19	0.0	-1.30	0.26	-0.10	3.19e-03	-0.02	0.52
		0.52	-0.08	1.82e-05	0.0	60.0	-1.30	0.07	-0.10	3.19e-03	-0.08	0.61
479	46	0.61	-0.02	-9.56e-05	-0.19	0.0	-1.29	0.26	-0.10	2.99e-03	-0.02	0.51
		0.51	-0.08	1.88e-05	0.0	60.0	-1.29	0.07	-0.10	2.99e-03	-0.08	0.61
479	69	0.61	0.07	-1.00e-04	-0.19	0.0	-1.53	0.27	0.07	3.14e-03	0.03	0.51
		0.51	0.03	-2.95e-06	0.0	60.0	-1.53	0.08	0.07	3.14e-03	0.07	0.61
479	74	0.63	0.11	-1.16e-04	-0.19	0.0	-1.66	0.28	0.12	4.52e-03	0.04	0.53
		0.53	0.04	-8.23e-06	0.0	60.0	-1.66	0.09	0.12	4.52e-03	0.11	0.63
479	75	0.63	0.11	-1.19e-04	-0.19	0.0	-1.66	0.28	0.12	4.39e-03	0.04	0.52
		0.52	0.04	-7.84e-06	0.0	60.0	-1.66	0.09	0.12	4.39e-03	0.11	0.63
479	79	0.65	-4.05e-03	-1.25e-04	-0.19	0.0	-1.51	0.28	-0.04	4.91e-03	-4.05e-03	0.53
		0.53	-0.03	1.37e-05	0.0	60.0	-1.51	0.10	-0.04	4.91e-03	-0.03	0.65
479	85	0.62	-0.01	-9.48e-05	-0.19	0.0	-1.36	0.26	-0.07	3.32e-03	-0.01	0.52
		0.52	-0.05	1.44e-05	0.0	60.0	-1.36	0.07	-0.07	3.32e-03	-0.05	0.62
479	86	0.61	-0.01	-9.72e-05	-0.19	0.0	-1.36	0.26	-0.07	3.19e-03	-0.01	0.51
		0.51	-0.05	1.48e-05	0.0	60.0	-1.36	0.08	-0.07	3.19e-03	-0.05	0.61
479	98	0.64	5.61e-03	-1.16e-04	-0.19	0.0	-1.54	0.28	-2.85e-03	4.48e-03	5.61e-03	0.53
		0.53	3.91e-03	8.12e-06	0.0	60.0	-1.54	0.09	-2.85e-03	4.48e-03	3.91e-03	0.64
479	99	0.61	4.43e-03	-9.62e-05	-0.19	0.0	-1.46	0.26	-2.23e-03	3.33e-03	4.43e-03	0.51
		0.51	3.10e-03	6.46e-06	0.0	60.0	-1.46	0.07	-2.23e-03	3.33e-03	3.10e-03	0.61
479	103	0.63	0.03	-1.13e-04	-0.19	0.0	-1.55	0.27	0.02	4.33e-03	0.01	0.53
		0.53	0.01	4.59e-06	0.0	60.0	-1.55	0.09	0.02	4.33e-03	0.03	0.63
479	104	0.61	9.34e-04	-9.51e-05	-0.19	0.0	-1.44	0.26	-0.01	3.37e-03	9.34e-04	0.52
		0.52	-7.98e-03	7.93e-06	0.0	60.0	-1.44	0.07	-0.01	3.37e-03	-7.98e-03	0.61
479	106	0.61	4.34e-03	-9.52e-05	-0.19	0.0	-1.46	0.26	-2.19e-03	3.38e-03	4.34e-03	0.52
		0.52	3.03e-03	6.31e-06	0.0	60.0	-1.46	0.07	-2.19e-03	3.38e-03	3.03e-03	0.61
479	107	0.63	5.43e-03	-1.13e-04	-0.19	0.0	-1.53	0.27	-2.75e-03	4.32e-03	5.43e-03	0.53
		0.53	3.78e-03	7.86e-06	0.0	60.0	-1.53	0.09	-2.75e-03	4.32e-03	3.78e-03	0.63
479	108	0.33	-8.81e-03	-1.38e-04	-0.19	0.0	-1.00	0.03	0.07	9.86e-03	-8.81e-03	0.33
		0.29	-0.03	3.21e-04	0.0	60.0	-1.00	-0.16	-0.07	9.86e-03	-0.03	0.29
479	111	0.98	0.03	-8.78e-05	-0.19	0.0	-2.06	0.52	-0.07	-1.22e-03	0.02	0.72
		0.72	0.02	-3.05e-04	0.0	60.0	-2.06	0.34	-0.07	-1.22e-03	0.03	0.98
479	113	0.35	-0.03	-1.42e-04	-0.19	0.0	-0.78	0.04	0.01	9.96e-03	-0.03	0.35
		0.32	-0.08	3.15e-04	0.0	60.0	-0.78	-0.15	0.01	9.96e-03	-0.08	0.32
479	114	0.95	0.09	-8.46e-05	-0.19	0.0	-2.27	0.51	-0.02	-1.31e-03	0.04	0.70
		0.70	0.04	-2.99e-04	0.0	60.0	-2.27	0.32	-0.02	-1.31e-03	0.09	0.95
479	133	0.45	-0.04	-1.10e-04	-0.19	0.0	-0.85	0.11	-0.10	3.86e-03	-0.04	0.42
		0.42	-0.12	5.00e-05	0.0	60.0	-0.85	-0.08	-0.10	3.86e-03	-0.12	0.44
479	134	0.83	0.13	-1.16e-04	-0.19	0.0	-2.21	0.44	0.09	4.79e-03	0.05	0.63
		0.63	0.05	-3.42e-05	0.0	60.0	-2.21	0.25	0.09	4.79e-03	0.13	0.83
479	140	0.30	-0.01	-1.42e-04	-0.19	0.0	-0.93	-5.37e-03	0.08	0.01	-0.01	0.30
		0.24	-0.03	3.60e-04	0.0	60.0	-0.93	-0.19	0.08	0.01	-0.03	0.24
479	143	1.02	0.04	-8.46e-05	-0.19	0.0	-2.12	0.55	-0.08	-1.91e-03	0.02	0.75
		0.75	0.02	-3.44e-04	0.0	60.0	-2.12	0.37	-0.08	-1.91e-03	0.04	1.02
479	145	0.33	-0.03	-1.45e-04	-0.19	0.0	-0.69	6.92e-03	0.02	0.01	-0.03	0.33
		0.28	-0.09	3.53e-04	0.0	60.0	-0.69	-0.18	0.02	0.01	-0.09	0.28
479	146	0.99	0.10	-8.10e-05	-0.19	0.0	-2.37	0.54	-0.02	-2.02e-03	0.04	0.72
		0.72	0.04	-3.37e-04	0.0	60.0	-2.37	0.35	-0.02	-2.02e-03	0.10	0.99
479	165	0.43	-0.05	-1.09e-04	-0.19	0.0	-0.76	0.09	-0.11	3.79e-03	-0.05	0.41
		0.41	-0.14	5.47e-05	0.0	60.0	-0.76	-0.09	-0.11	3.79e-03	-0.14	0.42

479	166	0.85	0.14	-1.17e-04	-0.19	0.0	-2.30	0.46	0.10	4.85e-03	0.06	0.64
		0.64	0.06	-3.90e-05	0.0	60.0	-2.30	0.27	0.10	4.85e-03	0.14	0.85
479	172	0.31	-9.71e-03	-1.40e-04	-0.19	0.0	-0.95	0.01	0.07	0.01	-9.71e-03	0.31
		0.27	-0.03	3.52e-04	0.0	60.0	-0.95	-0.18	0.07	0.01	-0.03	0.27
479	175	1.00	0.04	-8.59e-05	-0.19	0.0	-2.11	0.54	-0.08	-1.82e-03	0.02	0.74
		0.74	0.02	-3.37e-04	0.0	60.0	-2.11	0.35	-0.08	-1.82e-03	0.04	1.00
479	177	0.34	-0.03	-1.44e-04	-0.19	0.0	-0.71	0.02	0.01	0.01	-0.03	0.34
		0.30	-0.09	3.46e-04	0.0	60.0	-0.71	-0.17	0.01	0.01	-0.09	0.30
479	178	0.97	0.09	-8.24e-05	-0.19	0.0	-2.35	0.53	-0.02	-1.93e-03	0.04	0.71
		0.71	0.04	-3.30e-04	0.0	60.0	-2.35	0.34	-0.02	-1.93e-03	0.09	0.97
479	197	0.44	-0.05	-1.08e-04	-0.19	0.0	-0.78	0.10	-0.11	3.77e-03	-0.05	0.42
		0.42	-0.13	4.84e-05	0.0	60.0	-0.78	-0.08	-0.11	3.77e-03	-0.13	0.42
479	198	0.84	0.14	-1.18e-04	-0.19	0.0	-2.28	0.45	0.10	4.88e-03	0.06	0.64
		0.64	0.06	-3.27e-05	0.0	60.0	-2.28	0.26	0.10	4.88e-03	0.14	0.84
479	204	0.28	-0.01	-1.45e-04	-0.19	0.0	-0.85	-0.03	0.09	0.01	-0.01	0.28
		0.21	-0.03	4.09e-04	0.0	60.0	-0.85	-0.21	0.09	0.01	-0.03	0.21
479	207	1.06	0.04	-8.17e-05	-0.19	0.0	-2.21	0.58	-0.09	-2.84e-03	0.02	0.77
		0.77	0.02	-3.93e-04	0.0	60.0	-2.21	0.39	-0.09	-2.84e-03	0.04	1.06
479	209	0.31	-0.04	-1.48e-04	-0.19	0.0	-0.58	-0.01	0.02	0.01	-0.04	0.31
		0.25	-0.10	4.01e-04	0.0	60.0	-0.58	-0.20	0.02	0.01	-0.10	0.25
479	210	1.01	0.11	-7.77e-05	-0.19	0.0	-2.48	0.56	-0.02	-2.97e-03	0.05	0.74
		0.74	0.05	-3.85e-04	0.0	60.0	-2.48	0.37	-0.02	-2.97e-03	0.11	1.01
479	229	0.42	-0.06	-1.07e-04	-0.19	0.0	-0.66	0.08	-0.13	3.63e-03	-0.06	0.40
		0.40	-0.16	5.15e-05	0.0	60.0	-0.66	-0.11	-0.13	3.63e-03	-0.16	0.40
479	230	0.87	0.16	-1.20e-04	-0.19	0.0	-2.40	0.47	0.12	5.01e-03	0.07	0.65
		0.65	0.07	-3.57e-05	0.0	60.0	-2.40	0.28	0.12	5.01e-03	0.16	0.87
480	12	0.47	0.10	-6.21e-06	-0.19	0.0	-1.59	-0.03	-0.01	2.91e-03	0.10	0.47
		0.39	0.09	-1.57e-06	0.0	60.0	-1.59	-0.22	-0.01	2.91e-03	0.09	0.39
480	17	0.65	0.17	-2.96e-05	-0.24	0.0	-2.28	0.05	-0.02	6.21e-03	0.17	0.64
		0.60	0.15	-3.04e-06	0.0	60.0	-2.28	-0.19	-0.02	6.21e-03	0.15	0.60
480	18	0.64	0.17	-3.42e-05	-0.24	0.0	-2.26	0.05	-0.02	6.01e-03	0.17	0.63
		0.59	0.15	-2.75e-06	0.0	60.0	-2.26	-0.19	-0.02	6.01e-03	0.15	0.59
480	27	0.68	-0.04	-3.83e-05	-0.24	0.0	-2.05	0.08	4.98e-03	6.80e-03	-0.05	0.67
		0.65	-0.05	1.81e-05	0.0	60.0	-2.05	-0.16	4.98e-03	6.80e-03	-0.04	0.65
480	45	0.51	-0.07	6.26e-06	-0.19	0.0	-1.38	-0.03	9.71e-03	3.19e-03	-0.08	0.51
		0.43	-0.08	1.29e-05	0.0	60.0	-1.38	-0.22	9.71e-03	3.19e-03	-0.07	0.43
480	46	0.50	-0.07	1.74e-06	-0.19	0.0	-1.36	-0.03	9.65e-03	2.99e-03	-0.08	0.50
		0.42	-0.08	1.36e-05	0.0	60.0	-1.36	-0.22	9.65e-03	2.99e-03	-0.07	0.42
480	69	0.48	0.07	-5.45e-06	-0.19	0.0	-1.58	-0.02	-8.44e-03	3.14e-03	0.07	0.48
		0.40	0.06	3.64e-06	0.0	60.0	-1.58	-0.21	-8.44e-03	3.14e-03	0.06	0.40
480	74	0.49	0.11	-1.79e-05	-0.19	0.0	-1.72	0.03	-0.01	4.52e-03	0.11	0.49
		0.46	0.10	1.77e-06	0.0	60.0	-1.72	-0.16	-0.01	4.52e-03	0.10	0.46
480	75	0.49	0.11	-2.09e-05	-0.19	0.0	-1.71	0.03	-0.01	4.39e-03	0.11	0.49
		0.45	0.10	2.21e-06	0.0	60.0	-1.71	-0.16	-0.01	4.39e-03	0.10	0.45
480	79	0.52	-0.03	-2.37e-05	-0.19	0.0	-1.57	0.05	3.29e-03	4.91e-03	-0.03	0.51
		0.49	-0.03	1.29e-05	0.0	60.0	-1.57	-0.14	3.29e-03	4.91e-03	-0.03	0.49
480	85	0.50	-0.05	3.07e-06	-0.19	0.0	-1.44	-0.02	6.32e-03	3.32e-03	-0.05	0.50
		0.43	-0.05	1.13e-05	0.0	60.0	-1.44	-0.21	6.32e-03	3.32e-03	-0.05	0.43
480	86	0.50	-0.05	-2.13e-06	-0.19	0.0	-1.42	-0.03	6.28e-03	3.19e-03	-0.05	0.50
		0.42	-0.05	1.18e-05	0.0	60.0	-1.42	-0.21	6.28e-03	3.19e-03	-0.05	0.42
480	98	0.51	2.12e-03	-1.68e-05	-0.19	0.0	-1.60	0.03	-6.24e-04	4.48e-03	2.12e-03	0.50
		0.46	1.75e-03	9.66e-06	0.0	60.0	-1.60	-0.16	-6.24e-04	4.48e-03	1.75e-03	0.46
480	99	0.49	1.65e-03	-1.97e-06	-0.19	0.0	-1.53	-0.02	-3.97e-04	3.33e-03	1.65e-03	0.49
		0.42	1.41e-03	7.67e-06	0.0	60.0	-1.53	-0.21	-3.97e-04	3.33e-03	1.41e-03	0.42
480	103	0.50	0.02	-1.44e-05	-0.19	0.0	-1.62	0.02	-3.25e-03	4.33e-03	0.02	0.50
		0.46	0.02	7.77e-06	0.0	60.0	-1.62	-0.17	-3.25e-03	4.33e-03	0.02	0.46
480	104	0.50	-8.72e-03	1.86e-06	-0.19	0.0	-1.52	-0.02	9.60e-04	3.37e-03	-9.29e-03	0.50
		0.43	-9.29e-03	8.26e-06	0.0	60.0	-1.52	-0.21	9.60e-04	3.37e-03	-8.72e-03	0.43
480	106	0.49	1.63e-03	1.56e-06	-0.19	0.0	-1.54	-0.02	-3.81e-04	3.38e-03	1.63e-03	0.49
		0.43	1.40e-03	7.49e-06	0.0	60.0	-1.54	-0.21	-3.81e-04	3.38e-03	1.40e-03	0.43
480	107	0.50	2.05e-03	-1.41e-05	-0.19	0.0	-1.59	0.02	-5.89e-04	4.32e-03	2.05e-03	0.50
		0.46	1.70e-03	9.35e-06	0.0	60.0	-1.59	-0.17	-5.89e-04	4.32e-03	1.70e-03	0.46
480	108	1.04	0.04	-1.72e-05	-0.19	0.0	-1.60	-1.85	-4.87e-03	9.86e-03	0.04	1.04
		-0.14	-0.01	3.21e-04	0.0	60.0	-1.60	-2.04	-4.87e-03	9.86e-03	-0.01	-0.14
480	113	1.08	7.03e-03	-1.24e-05	-0.19	0.0	-1.40	-1.85	-0.03	9.96e-03	7.03e-03	1.08
		-0.10	-0.06	3.19e-04	0.0	60.0	-1.40	-2.04	-0.03	9.96e-03	-0.06	-0.10
480	133	0.98	-0.06	2.17e-05	-0.19	0.0	-1.18	-1.32	-0.06	3.86e-03	-0.06	0.98
		0.11	-0.11	5.66e-05	0.0	60.0	-1.18	-1.51	-0.06	3.86e-03	-0.11	0.11
480	134	0.81	0.11	-4.99e-05	-0.19	0.0	-2.00	1.36	0.06	4.79e-03	0.06	0.81
		0.03	0.06	-3.79e-05	0.0	60.0	-2.00	1.18	0.06	4.79e-03	0.11	0.03
480	137	0.94	-0.06	1.49e-05	-0.19	0.0	-1.16	-1.20	-0.06	3.94e-03	-0.06	0.94
		0.15	-0.11	6.15e-05	0.0	60.0	-1.16	-1.39	-0.06	3.94e-03	-0.11	0.15
480	138	0.77	0.11	-4.32e-05	-0.19	0.0	-2.03	1.24	0.06	4.71e-03	0.06	0.77
		0.06	0.06	-4.28e-05	0.0	60.0	-2.03	1.06	0.06	4.71e-03	0.11	0.06
480	140	1.11	0.05	-1.76e-05	-0.19	0.0	-1.60	-2.09	-5.42e-03	0.01	0.05	1.11

		-0.21	-0.01	3.60e-04	0.0	60.0	-1.60	-2.28	-5.42e-03	0.01	-0.01	-0.21
480	145	1.15	7.66e-03	-1.22e-05	-0.19	0.0	-1.37	-2.09	-0.04	0.01	7.66e-03	1.15
		-0.17	-0.07	3.58e-04	0.0	60.0	-1.37	-2.28	-0.04	0.01	-0.07	-0.17
480	165	1.03	-0.07	2.62e-05	-0.19	0.0	-1.13	-1.49	-0.06	3.79e-03	-0.07	1.03
		0.07	-0.12	6.20e-05	0.0	60.0	-1.13	-1.67	-0.06	3.79e-03	-0.12	0.07
480	166	0.85	0.13	-5.45e-05	-0.19	0.0	-2.05	1.53	0.06	4.85e-03	0.07	-0.03
		-0.03	0.07	-4.33e-05	0.0	60.0	-2.05	1.34	0.06	4.85e-03	0.13	0.85
480	169	1.00	-0.07	1.86e-05	-0.19	0.0	-1.11	-1.35	-0.06	3.89e-03	-0.07	1.00
		0.11	-0.12	6.78e-05	0.0	60.0	-1.11	-1.54	-0.06	3.89e-03	-0.12	0.11
480	170	0.81	0.13	-4.68e-05	-0.19	0.0	-2.08	1.39	0.06	4.75e-03	0.07	8.30e-03
		8.30e-03	0.07	-4.91e-05	0.0	60.0	-2.08	1.20	0.06	4.75e-03	0.13	0.81
480	172	1.07	0.05	-1.77e-05	-0.19	0.0	-1.60	-1.97	-4.90e-03	0.01	0.05	1.07
		-0.18	-0.01	3.53e-04	0.0	60.0	-1.60	-2.16	-4.90e-03	0.01	-0.01	-0.18
480	177	1.11	6.91e-03	-1.24e-05	-0.19	0.0	-1.38	-1.97	-0.03	0.01	6.91e-03	1.11
		-0.14	-0.07	3.51e-04	0.0	60.0	-1.38	-2.16	-0.03	0.01	-0.07	-0.14
480	197	1.01	-0.07	2.68e-05	-0.19	0.0	-1.15	-1.42	-0.06	3.77e-03	-0.07	1.01
		0.09	-0.12	5.54e-05	0.0	60.0	-1.15	-1.61	-0.06	3.77e-03	-0.12	0.09
480	198	0.83	0.13	-5.51e-05	-0.19	0.0	-2.04	1.46	0.06	4.88e-03	0.07	-8.57e-03
		-8.57e-03	0.07	-3.67e-05	0.0	60.0	-2.04	1.27	0.06	4.88e-03	0.13	0.83
480	201	0.97	-0.07	1.87e-05	-0.19	0.0	-1.12	-1.26	-0.06	3.94e-03	-0.07	0.97
		0.14	-0.12	6.46e-05	0.0	60.0	-1.12	-1.45	-0.06	3.94e-03	-0.12	0.14
480	202	0.78	0.13	-4.70e-05	-0.19	0.0	-2.07	1.31	0.06	4.71e-03	0.07	0.78
		0.03	0.07	-4.59e-05	0.0	60.0	-2.07	1.12	0.06	4.71e-03	0.13	0.03
480	204	1.14	0.05	-1.86e-05	-0.19	0.0	-1.60	-2.25	-5.39e-03	0.01	0.05	1.14
		-0.27	-0.01	4.09e-04	0.0	60.0	-1.60	-2.44	-5.39e-03	0.01	-0.01	-0.27
480	209	1.20	7.46e-03	-1.24e-05	-0.19	0.0	-1.34	-2.25	-0.04	0.01	7.46e-03	1.20
		-0.22	-0.08	4.07e-04	0.0	60.0	-1.34	-2.44	-0.04	0.01	-0.08	-0.22
480	229	1.09	-0.08	3.41e-05	-0.19	0.0	-1.08	-1.63	-0.07	3.63e-03	-0.08	1.09
		0.04	-0.14	5.93e-05	0.0	60.0	-1.08	-1.82	-0.07	3.63e-03	-0.14	0.04
480	230	0.88	0.15	-6.23e-05	-0.19	0.0	-2.11	1.67	0.07	5.01e-03	0.08	-0.09
		-0.09	0.08	-4.06e-05	0.0	60.0	-2.11	1.49	0.07	5.01e-03	0.15	0.88
480	233	1.04	-0.08	2.41e-05	-0.19	0.0	-1.04	-1.45	-0.07	3.91e-03	-0.08	1.04
		0.09	-0.14	7.40e-05	0.0	60.0	-1.04	-1.64	-0.07	3.91e-03	-0.14	0.09
480	234	0.82	0.15	-5.24e-05	-0.19	0.0	-2.15	1.50	0.07	4.74e-03	0.08	-0.04
		-0.04	0.08	-5.53e-05	0.0	60.0	-2.15	1.31	0.07	4.74e-03	0.15	0.82
481	3	0.72	0.10	-6.33e-05	-0.24	0.0	-1.59	0.27	0.12	1.91e-04	0.03	0.63
		0.63	0.03	-5.83e-06	0.0	60.0	-1.59	0.03	0.12	1.91e-04	0.10	0.72
481	18	0.71	0.17	-6.04e-05	-0.24	0.0	-1.69	0.27	0.19	1.97e-04	0.05	0.62
		0.62	0.05	-1.53e-05	0.0	60.0	-1.69	0.03	0.19	1.97e-04	0.17	0.71
481	36	0.52	-0.01	-4.45e-05	-0.19	0.0	-0.66	0.22	-0.06	1.71e-04	-0.01	0.45
		0.45	-0.05	1.18e-05	0.0	60.0	-0.66	0.03	-0.06	1.71e-04	-0.05	0.52
481	45	0.53	-0.02	-4.77e-05	-0.19	0.0	-0.44	0.22	-0.10	1.46e-04	-0.02	0.46
		0.46	-0.08	1.52e-05	0.0	60.0	-0.44	0.03	-0.10	1.46e-04	-0.08	0.53
481	67	0.55	0.07	-4.84e-05	-0.19	0.0	-1.15	0.21	0.08	1.48e-04	0.02	0.48
		0.48	0.02	-3.44e-06	0.0	60.0	-1.15	0.02	0.08	1.48e-04	0.07	0.55
481	75	0.54	0.11	-4.65e-05	-0.19	0.0	-1.22	0.21	0.13	1.52e-04	0.04	0.47
		0.47	0.04	-9.67e-06	0.0	60.0	-1.22	0.02	0.13	1.52e-04	0.11	0.54
481	81	0.53	-7.82e-03	-4.53e-05	-0.19	0.0	-0.72	0.22	-0.04	1.67e-04	-7.82e-03	0.45
		0.45	-0.03	9.50e-06	0.0	60.0	-0.72	0.03	-0.04	1.67e-04	-0.03	0.53
481	85	0.53	-0.01	-4.74e-05	-0.19	0.0	-0.57	0.22	-0.07	1.50e-04	-0.01	0.46
		0.46	-0.05	1.17e-05	0.0	60.0	-0.57	0.03	-0.07	1.50e-04	-0.05	0.53
481	98	0.55	2.48e-03	-4.83e-05	-0.19	0.0	-0.95	0.21	-7.34e-04	1.54e-04	2.48e-03	0.47
		0.47	2.04e-03	5.55e-06	0.0	60.0	-0.95	0.02	-7.34e-04	1.54e-04	2.04e-03	0.55
481	99	0.53	1.98e-03	-4.64e-05	-0.19	0.0	-0.81	0.21	-5.72e-04	1.58e-04	1.98e-03	0.46
		0.46	1.64e-03	4.66e-06	0.0	60.0	-0.81	0.03	-5.72e-04	1.58e-04	1.64e-03	0.53
481	103	0.54	0.02	-4.79e-05	-0.19	0.0	-0.97	0.21	0.03	1.52e-04	8.99e-03	0.47
		0.47	8.99e-03	2.29e-06	0.0	60.0	-0.97	0.02	0.03	1.52e-04	0.02	0.54
481	104	0.53	-1.33e-03	-4.69e-05	-0.19	0.0	-0.76	0.21	-0.01	1.54e-04	-1.33e-03	0.46
		0.46	-9.44e-03	5.97e-06	0.0	60.0	-0.76	0.03	-0.01	1.54e-04	-9.44e-03	0.53
481	106	0.53	1.96e-03	-4.68e-05	-0.19	0.0	-0.80	0.21	-5.65e-04	1.55e-04	1.96e-03	0.46
		0.46	1.62e-03	4.53e-06	0.0	60.0	-0.80	0.03	-5.65e-04	1.55e-04	1.62e-03	0.53
481	107	0.54	2.41e-03	-4.81e-05	-0.19	0.0	-0.93	0.21	-7.10e-04	1.54e-04	2.41e-03	0.47
		0.47	1.98e-03	5.40e-06	0.0	60.0	-0.93	0.02	-7.10e-04	1.54e-04	1.98e-03	0.54
481	108	0.41	0.02	-3.92e-05	-0.19	0.0	-2.11	-0.08	0.03	6.40e-03	7.43e-03	0.41
		0.32	7.43e-03	3.19e-04	0.0	60.0	-2.11	-0.26	0.03	6.40e-03	0.02	0.32
481	111	0.77	-2.62e-03	-5.69e-05	-0.19	0.0	0.26	0.50	-0.03	-6.09e-03	-2.62e-03	0.53
		0.53	-0.01	-3.08e-04	0.0	60.0	0.26	0.31	-0.03	-6.09e-03	-0.01	0.77
481	124	0.40	0.08	-1.44e-05	-0.19	0.0	-2.78	-0.02	0.09	-7.71e-04	0.03	0.40
		0.34	0.03	4.69e-05	0.0	60.0	-2.78	-0.21	0.09	-7.71e-04	0.08	0.34
481	127	0.75	-0.03	-8.18e-05	-0.19	0.0	0.93	0.44	-0.09	1.08e-03	-0.03	0.55
		0.55	-0.08	-3.61e-05	0.0	60.0	0.93	0.25	-0.09	1.08e-03	-0.08	0.75
481	133	0.44	-0.04	-3.41e-05	-0.19	0.0	-0.05	0.02	-0.09	-7.39e-04	-0.04	0.43
		0.42	-0.09	5.81e-05	0.0	60.0	-0.05	-0.16	-0.09	-7.39e-04	-0.09	0.42
481	134	0.67	0.09	-6.20e-05	-0.19	0.0	-1.80	0.40	0.09	1.05e-03	0.04	0.52
		0.52	0.04	-4.73e-05	0.0	60.0	-1.80	0.21	0.09	1.05e-03	0.09	0.67

481	140	0.41	0.02	-3.83e-05	-0.19	0.0	-2.26	-0.11	0.04	7.18e-03	8.05e-03	0.41
		0.29	8.05e-03	3.58e-04	0.0	60.0	-2.26	-0.30	0.04	7.18e-03	0.02	0.29
481	143	0.80	-3.24e-03	-5.79e-05	-0.19	0.0	0.41	0.54	-0.04	-6.88e-03	-3.24e-03	0.54
		0.54	-0.02	-3.47e-04	0.0	60.0	0.41	0.35	-0.04	-6.88e-03	-0.02	0.80
481	156	0.39	0.09	-1.01e-05	-0.19	0.0	-3.02	-0.05	0.10	-8.93e-04	0.04	0.39
		0.31	0.04	5.17e-05	0.0	60.0	-3.02	-0.23	0.10	-8.93e-04	0.09	0.31
481	159	0.78	-0.03	-8.60e-05	-0.19	0.0	1.17	0.47	-0.10	1.20e-03	-0.03	0.56
		0.56	-0.09	-4.09e-05	0.0	60.0	1.17	0.28	-0.10	1.20e-03	-0.09	0.78
481	165	0.43	-0.04	-3.23e-05	-0.19	0.0	0.06	2.01e-03	-0.10	-8.57e-04	-0.04	0.43
		0.40	-0.10	6.42e-05	0.0	60.0	0.06	-0.19	-0.10	-8.57e-04	-0.10	0.40
481	166	0.69	0.11	-6.38e-05	-0.19	0.0	-1.91	0.42	0.10	1.17e-03	0.05	0.52
		0.52	0.05	-5.34e-05	0.0	60.0	-1.91	0.23	0.10	1.17e-03	0.11	0.69
481	172	0.41	0.02	-4.18e-05	-0.19	0.0	-2.20	-0.09	0.03	7.00e-03	8.03e-03	0.41
		0.30	8.03e-03	3.50e-04	0.0	60.0	-2.20	-0.28	0.03	7.00e-03	0.02	0.30
481	175	0.79	-3.21e-03	-5.44e-05	-0.19	0.0	0.35	0.52	-0.04	-6.69e-03	-3.21e-03	0.54
		0.54	-0.02	-3.39e-04	0.0	60.0	0.35	0.33	-0.04	-6.69e-03	-0.02	0.79
481	188	0.39	0.09	-1.08e-05	-0.19	0.0	-2.97	-0.04	0.09	-9.16e-04	0.04	0.39
		0.32	0.04	4.49e-05	0.0	60.0	-2.97	-0.22	0.09	-9.16e-04	0.09	0.32
481	191	0.77	-0.03	-8.54e-05	-0.19	0.0	1.12	0.46	-0.10	1.22e-03	-0.03	0.55
		0.55	-0.09	-3.41e-05	0.0	60.0	1.12	0.27	-0.10	1.22e-03	-0.09	0.77
481	197	0.44	-0.04	-3.23e-05	-0.19	0.0	0.03	0.01	-0.10	-8.83e-04	-0.04	0.43
		0.41	-0.10	5.73e-05	0.0	60.0	0.03	-0.17	-0.10	-8.83e-04	-0.10	0.41
481	198	0.67	0.10	-6.38e-05	-0.19	0.0	-1.88	0.41	0.10	1.19e-03	0.04	0.52
		0.52	0.04	-4.65e-05	0.0	60.0	-1.88	0.22	0.10	1.19e-03	0.10	0.67
481	204	0.40	0.02	-4.26e-05	-0.19	0.0	-2.38	-0.13	0.04	8.10e-03	8.96e-03	0.40
		0.27	8.96e-03	4.07e-04	0.0	60.0	-2.38	-0.32	0.04	8.10e-03	0.02	0.27
481	207	0.82	-4.15e-03	-5.35e-05	-0.19	0.0	0.53	0.56	-0.04	-7.79e-03	-4.15e-03	0.55
		0.55	-0.02	-3.96e-04	0.0	60.0	0.53	0.37	-0.04	-7.79e-03	-0.02	0.82
481	220	0.38	0.11	-4.89e-06	-0.19	0.0	-3.30	-0.07	0.11	-1.14e-03	0.04	0.38
		0.28	0.04	4.83e-05	0.0	60.0	-3.30	-0.26	0.11	-1.14e-03	0.11	0.28
481	223	0.80	-0.04	-9.14e-05	-0.19	0.0	1.45	0.50	-0.11	1.45e-03	-0.04	0.57
		0.57	-0.10	-3.75e-05	0.0	60.0	1.45	0.31	-0.11	1.45e-03	-0.10	0.80
481	229	0.43	-0.05	-2.97e-05	-0.19	0.0	0.18	-0.01	-0.11	-1.11e-03	-0.05	0.42
		0.40	-0.12	6.24e-05	0.0	60.0	0.18	-0.20	-0.11	-1.11e-03	-0.12	0.40
481	230	0.69	0.12	-6.65e-05	-0.19	0.0	-2.03	0.44	0.11	1.42e-03	0.05	0.52
		0.52	0.05	-5.16e-05	0.0	60.0	-2.03	0.25	0.11	1.42e-03	0.12	0.69
482	12	0.51	0.10	4.78e-05	-0.19	0.0	-1.66	-0.24	-0.01	1.67e-04	0.10	0.51
		0.31	0.09	-2.22e-06	0.0	60.0	-1.66	-0.43	-0.01	1.67e-04	0.09	0.31
482	17	0.73	0.17	6.41e-05	-0.24	0.0	-2.51	-0.31	-0.02	1.84e-04	0.17	0.73
		0.46	0.15	-4.37e-06	0.0	60.0	-2.51	-0.56	-0.02	1.84e-04	0.15	0.46
482	18	0.72	0.17	6.49e-05	-0.24	0.0	-2.50	-0.34	-0.02	1.95e-04	0.17	0.72
		0.45	0.15	-4.10e-06	0.0	60.0	-2.50	-0.58	-0.02	1.95e-04	0.15	0.45
482	27	0.76	-0.04	6.49e-05	-0.24	0.0	-2.03	-0.32	3.99e-03	1.93e-04	-0.05	0.76
		0.50	-0.05	1.26e-05	0.0	60.0	-2.03	-0.57	3.99e-03	1.93e-04	-0.04	0.50
482	45	0.53	-0.07	4.59e-05	-0.19	0.0	-1.12	-0.18	9.38e-03	1.45e-04	-0.08	0.53
		0.36	-0.08	9.61e-06	0.0	60.0	-1.12	-0.37	9.38e-03	1.45e-04	-0.07	0.36
482	46	0.53	-0.07	4.66e-05	-0.19	0.0	-1.11	-0.21	9.27e-03	1.56e-04	-0.08	0.53
		0.35	-0.08	1.01e-05	0.0	60.0	-1.11	-0.40	9.27e-03	1.56e-04	-0.07	0.35
482	69	0.52	0.07	4.75e-05	-0.19	0.0	-1.61	-0.23	-9.13e-03	1.63e-04	0.07	0.52
		0.32	0.06	1.95e-06	0.0	60.0	-1.61	-0.42	-9.13e-03	1.63e-04	0.06	0.32
482	74	0.55	0.11	4.87e-05	-0.19	0.0	-1.86	-0.23	-0.01	1.43e-04	0.11	0.55
		0.36	0.10	-2.61e-06	0.0	60.0	-1.86	-0.42	-0.01	1.43e-04	0.10	0.36
482	75	0.55	0.11	4.92e-05	-0.19	0.0	-1.85	-0.25	-0.01	1.50e-04	0.11	0.55
		0.34	0.10	-2.43e-06	0.0	60.0	-1.85	-0.44	-0.01	1.50e-04	0.10	0.34
482	79	0.58	-0.03	4.92e-05	-0.19	0.0	-1.54	-0.24	2.58e-03	1.49e-04	-0.03	0.58
		0.38	-0.03	9.02e-06	0.0	60.0	-1.54	-0.43	2.58e-03	1.49e-04	-0.03	0.38
482	85	0.53	-0.05	4.62e-05	-0.19	0.0	-1.25	-0.19	5.91e-03	1.48e-04	-0.05	0.53
		0.36	-0.05	8.35e-06	0.0	60.0	-1.25	-0.38	5.91e-03	1.48e-04	-0.05	0.36
482	86	0.53	-0.05	4.67e-05	-0.19	0.0	-1.24	-0.21	5.84e-03	1.56e-04	-0.05	0.53
		0.35	-0.05	8.69e-06	0.0	60.0	-1.24	-0.39	5.84e-03	1.56e-04	-0.05	0.35
482	98	0.56	2.11e-03	4.83e-05	-0.19	0.0	-1.61	-0.23	-1.33e-03	1.53e-04	2.11e-03	0.56
		0.37	1.31e-03	6.73e-06	0.0	60.0	-1.61	-0.41	-1.33e-03	1.53e-04	1.31e-03	0.37
482	99	0.52	1.66e-03	4.64e-05	-0.19	0.0	-1.47	-0.20	-9.33e-04	1.57e-04	1.66e-03	0.52
		0.35	1.10e-03	5.59e-06	0.0	60.0	-1.47	-0.39	-9.33e-04	1.57e-04	1.10e-03	0.35
482	103	0.55	0.02	4.81e-05	-0.19	0.0	-1.64	-0.22	-3.96e-03	1.51e-04	0.02	0.55
		0.36	0.02	5.15e-06	0.0	60.0	-1.64	-0.41	-3.96e-03	1.51e-04	0.02	0.36
482	104	0.53	-9.02e-03	4.62e-05	-0.19	0.0	-1.43	-0.19	4.59e-04	1.53e-04	-9.29e-03	0.53
		0.35	-9.29e-03	6.03e-06	0.0	60.0	-1.43	-0.38	4.59e-04	1.53e-04	-9.02e-03	0.35
482	106	0.53	1.65e-03	4.62e-05	-0.19	0.0	-1.47	-0.19	-9.04e-04	1.54e-04	1.65e-03	0.53
		0.35	1.10e-03	5.45e-06	0.0	60.0	-1.47	-0.38	-9.04e-04	1.54e-04	1.10e-03	0.35
482	107	0.55	2.04e-03	4.80e-05	-0.19	0.0	-1.59	-0.22	-1.27e-03	1.53e-04	2.04e-03	0.55
		0.37	1.28e-03	6.55e-06	0.0	60.0	-1.59	-0.41	-1.27e-03	1.53e-04	1.28e-03	0.37
482	108	1.17	0.02	1.59e-04	-0.19	0.0	-2.43	-2.26	5.44e-03	6.40e-03	0.02	1.17
		-0.25	0.02	3.18e-04	0.0	60.0	-2.43	-2.45	5.44e-03	6.40e-03	0.02	-0.25
482	113	1.20	-0.01	1.59e-04	-0.19	0.0	-1.73	-2.25	-0.02	6.41e-03	-0.01	1.20

		-0.21	-0.03	3.26e-04	0.0	60.0	-1.73	-2.43	-0.02	6.41e-03	-0.03	-0.21
482	125	0.55	-0.06	3.47e-05	-0.19	0.0	-0.38	0.21	-0.05	5.38e-03	-0.06	0.47
		0.47	-0.09	1.71e-04	0.0	60.0	-0.38	0.02	-0.05	5.38e-03	-0.09	0.55
482	126	0.64	0.09	6.14e-05	-0.19	0.0	-2.81	-0.65	0.05	-5.08e-03	0.06	0.64
		0.18	0.06	-1.58e-04	0.0	60.0	-2.81	-0.84	0.05	-5.08e-03	0.09	0.18
482	128	0.92	0.09	1.16e-04	-0.19	0.0	-3.07	-1.57	0.04	-6.64e-04	0.06	0.92
		-0.09	0.06	4.54e-05	0.0	60.0	-3.07	-1.76	0.04	-6.64e-04	0.09	-0.09
482	131	0.82	-0.06	-2.03e-05	-0.19	0.0	-0.12	1.13	-0.05	9.70e-04	-0.06	0.19
		0.19	-0.09	-3.23e-05	0.0	60.0	-0.12	0.94	-0.05	9.70e-04	-0.09	0.82
482	140	1.25	0.03	1.73e-04	-0.19	0.0	-2.53	-2.52	6.28e-03	7.18e-03	0.03	1.25
		-0.33	0.02	3.57e-04	0.0	60.0	-2.53	-2.71	6.28e-03	7.18e-03	0.02	-0.33
482	145	1.28	-0.01	1.72e-04	-0.19	0.0	-1.75	-2.50	-0.02	7.19e-03	-0.01	1.28
		-0.28	-0.04	3.66e-04	0.0	60.0	-1.75	-2.69	-0.02	7.19e-03	-0.04	-0.28
482	157	0.57	-0.07	3.29e-05	-0.19	0.0	-0.23	0.26	-0.06	6.05e-03	-0.07	0.46
		0.46	-0.10	1.92e-04	0.0	60.0	-0.23	0.07	-0.06	6.05e-03	-0.10	0.57
482	158	0.64	0.10	6.32e-05	-0.19	0.0	-2.96	-0.70	0.05	-5.74e-03	0.07	0.64
		0.16	0.07	-1.79e-04	0.0	60.0	-2.96	-0.89	0.05	-5.74e-03	0.10	0.16
482	160	0.96	0.10	1.25e-04	-0.19	0.0	-3.26	-1.73	0.05	-7.67e-04	0.07	0.96
		-0.14	0.07	5.01e-05	0.0	60.0	-3.26	-1.92	0.05	-7.67e-04	0.10	-0.14
482	163	0.87	-0.07	-2.87e-05	-0.19	0.0	0.07	1.29	-0.05	1.07e-03	-0.07	0.15
		0.15	-0.10	-3.70e-05	0.0	60.0	0.07	1.10	-0.05	1.07e-03	-0.10	0.87
482	172	1.21	0.03	1.65e-04	-0.19	0.0	-2.49	-2.39	6.30e-03	7.00e-03	0.03	1.21
		-0.29	0.02	3.50e-04	0.0	60.0	-2.49	-2.58	6.30e-03	7.00e-03	0.02	-0.29
482	177	1.24	-0.01	1.64e-04	-0.19	0.0	-1.72	-2.37	-0.02	7.01e-03	-0.01	1.24
		-0.25	-0.03	3.58e-04	0.0	60.0	-1.72	-2.56	-0.02	7.01e-03	-0.03	-0.25
482	189	0.57	-0.06	3.00e-05	-0.19	0.0	-0.24	0.25	-0.05	5.95e-03	-0.06	0.47
		0.47	-0.10	1.95e-04	0.0	60.0	-0.24	0.06	-0.05	5.95e-03	-0.10	0.57
482	190	0.64	0.10	6.60e-05	-0.19	0.0	-2.95	-0.69	0.05	-5.64e-03	0.07	0.64
		0.16	0.07	-1.82e-04	0.0	60.0	-2.95	-0.88	0.05	-5.64e-03	0.10	0.16
482	192	0.93	0.10	1.22e-04	-0.19	0.0	-3.22	-1.64	0.05	-7.20e-04	0.07	0.93
		-0.12	0.07	4.69e-05	0.0	60.0	-3.22	-1.83	0.05	-7.20e-04	0.10	-0.12
482	195	0.85	-0.07	-2.58e-05	-0.19	0.0	0.03	1.20	-0.05	1.03e-03	-0.07	0.18
		0.18	-0.09	-3.38e-05	0.0	60.0	0.03	1.01	-0.05	1.03e-03	-0.09	0.85
482	204	1.30	0.03	1.80e-04	-0.19	0.0	-2.62	-2.70	7.52e-03	8.09e-03	0.03	1.30
		-0.38	0.03	4.06e-04	0.0	60.0	-2.62	-2.89	7.52e-03	8.09e-03	0.03	-0.38
482	209	1.33	-0.02	1.80e-04	-0.19	0.0	-1.73	-2.68	-0.03	8.10e-03	-0.02	1.33
		-0.33	-0.04	4.16e-04	0.0	60.0	-1.73	-2.87	-0.03	8.10e-03	-0.04	-0.33
482	221	0.61	-0.08	2.55e-05	-0.19	0.0	-0.01	0.33	-0.06	6.95e-03	-0.08	0.46
		0.46	-0.12	2.30e-04	0.0	60.0	-0.01	0.14	-0.06	6.95e-03	-0.12	0.61
482	222	0.65	0.12	7.06e-05	-0.19	0.0	-3.18	-0.77	0.06	-6.64e-03	0.08	0.65
		0.12	0.08	-2.17e-04	0.0	60.0	-3.18	-0.96	0.06	-6.64e-03	0.12	0.12
482	224	0.99	0.11	1.33e-04	-0.19	0.0	-3.48	-1.85	0.06	-8.29e-04	0.08	0.99
		-0.19	0.08	5.42e-05	0.0	60.0	-3.48	-2.04	0.06	-8.29e-04	0.11	-0.19
482	227	0.92	-0.08	-3.74e-05	-0.19	0.0	0.29	1.41	-0.06	1.13e-03	-0.08	0.12
		0.12	-0.11	-4.11e-05	0.0	60.0	0.29	1.22	-0.06	1.13e-03	-0.11	0.92
483	4	0.62	0.10	3.65e-05	-0.24	0.0	-1.94	0.16	0.12	-1.96e-03	0.03	0.59
		0.59	0.03	-1.04e-05	0.0	60.0	-1.94	-0.09	0.12	-1.96e-03	0.10	0.61
483	18	0.63	0.17	2.67e-05	-0.24	0.0	-1.91	0.17	0.19	7.02e-03	0.05	0.59
		0.59	0.05	-1.90e-05	0.0	60.0	-1.91	-0.07	0.19	7.02e-03	0.17	0.62
483	36	0.48	-0.01	-2.33e-06	-0.19	0.0	-0.95	0.17	-0.06	-0.01	-0.01	0.43
		0.43	-0.05	8.00e-06	0.0	60.0	-0.95	-0.02	-0.06	-0.01	-0.05	0.48
483	41	0.65	-0.02	-1.16e-05	-0.24	0.0	-1.12	0.23	-0.10	-0.02	-0.02	0.59
		0.59	-0.08	1.25e-05	0.0	60.0	-1.12	-0.02	-0.10	-0.02	-0.08	0.65
483	45	0.50	-0.02	-1.40e-05	-0.19	0.0	-0.76	0.18	-0.10	-0.02	-0.02	0.45
		0.45	-0.08	1.18e-05	0.0	60.0	-0.76	-8.38e-03	-0.10	-0.02	-0.08	0.50
483	68	0.48	0.07	2.16e-05	-0.19	0.0	-1.41	0.13	0.08	-2.02e-03	0.02	0.46
		0.46	0.02	-6.58e-06	0.0	60.0	-1.41	-0.06	0.08	-2.02e-03	0.07	0.48
483	75	0.48	0.11	1.50e-05	-0.19	0.0	-1.39	0.14	0.13	3.96e-03	0.04	0.45
		0.45	0.04	-1.23e-05	0.0	60.0	-1.39	-0.05	0.13	3.96e-03	0.11	0.48
483	81	0.48	-7.89e-03	-2.94e-06	-0.19	0.0	-0.99	0.17	-0.04	-0.01	-7.89e-03	0.44
		0.44	-0.03	6.19e-06	0.0	60.0	-0.99	-0.02	-0.04	-0.01	-0.03	0.48
483	85	0.50	-0.01	-1.05e-05	-0.19	0.0	-0.86	0.17	-0.07	-0.01	-0.01	0.45
		0.45	-0.05	8.73e-06	0.0	60.0	-0.86	-0.01	-0.07	-0.01	-0.05	0.50
483	99	0.50	1.94e-03	-6.98e-06	-0.19	0.0	-1.02	0.17	-4.81e-04	-6.48e-03	1.94e-03	0.45
		0.45	1.65e-03	2.62e-06	0.0	60.0	-1.02	-0.02	-4.81e-04	-6.48e-03	1.65e-03	0.49
483	103	0.49	0.02	6.70e-06	-0.19	0.0	-1.20	0.15	0.03	-5.90e-03	8.91e-03	0.46
		0.46	8.91e-03	0.0	0.0	60.0	-1.20	-0.04	0.03	-5.90e-03	0.02	0.49
483	104	0.50	-1.37e-03	-8.93e-06	-0.19	0.0	-0.98	0.17	-0.01	-7.78e-03	-1.37e-03	0.45
		0.45	-9.42e-03	3.86e-06	0.0	60.0	-0.98	-0.02	-0.01	-7.78e-03	-9.42e-03	0.50
483	106	0.50	1.93e-03	-8.53e-06	-0.19	0.0	-1.01	0.17	-4.73e-04	-6.52e-03	1.93e-03	0.45
		0.45	1.64e-03	2.64e-06	0.0	60.0	-1.01	-0.02	-4.73e-04	-6.52e-03	1.64e-03	0.50
483	107	0.49	2.32e-03	6.28e-06	-0.19	0.0	-1.17	0.15	-6.04e-04	-8.42e-03	2.32e-03	0.46
		0.46	1.96e-03	2.37e-06	0.0	60.0	-1.17	-0.04	-6.04e-04	-8.42e-03	1.96e-03	0.49
483	108	0.36	1.89e-03	-4.19e-05	-0.19	0.0	-1.11	-0.10	-5.84e-03	-4.39e-03	1.89e-03	0.36
		0.25	-1.62e-03	3.11e-04	0.0	60.0	-1.11	-0.29	-5.84e-03	-4.39e-03	-1.62e-03	0.25

483	111	0.73	5.53e-03	5.45e-05	-0.19	0.0	-1.23	0.40	4.64e-03	-0.01	2.75e-03	0.55
		0.55	2.75e-03	-3.07e-04	0.0	60.0	-1.23	0.21	4.64e-03	-0.01	5.53e-03	0.73
483	125	0.60	-0.04	-4.16e-05	-0.19	0.0	-0.23	0.23	-0.12	-0.02	-0.04	0.52
		0.52	-0.11	1.72e-04	0.0	60.0	-0.23	0.05	-0.12	-0.02	-0.11	0.60
483	126	0.40	0.12	5.42e-05	-0.19	0.0	-2.11	0.07	0.11	-8.87e-04	0.05	0.40
		0.38	0.05	-1.68e-04	0.0	60.0	-2.11	-0.12	0.11	-8.87e-04	0.12	0.38
483	128	0.36	0.10	1.87e-05	-0.19	0.0	-2.11	-0.05	0.09	2.39e-04	0.04	0.36
		0.27	0.04	3.52e-05	0.0	60.0	-2.11	-0.24	0.09	2.39e-04	0.10	0.27
483	131	0.71	-0.03	-6.76e-06	-0.19	0.0	-0.23	0.35	-0.09	-0.02	-0.03	0.56
		0.56	-0.09	-3.04e-05	0.0	60.0	-0.23	0.16	-0.09	-0.02	-0.09	0.71
483	140	0.35	1.84e-03	-4.80e-05	-0.19	0.0	-1.10	-0.13	-6.49e-03	-3.89e-03	1.84e-03	0.35
		0.22	-2.05e-03	3.50e-04	0.0	60.0	-1.10	-0.32	-6.49e-03	-3.89e-03	-2.05e-03	0.22
483	143	0.76	5.97e-03	6.05e-05	-0.19	0.0	-1.24	0.43	5.28e-03	-0.01	2.80e-03	0.56
		0.56	2.80e-03	-3.45e-04	0.0	60.0	-1.24	0.25	5.28e-03	-0.01	5.97e-03	0.76
483	157	0.61	-0.05	-4.77e-05	-0.19	0.0	-0.11	0.24	-0.13	-0.02	-0.05	0.52
		0.52	-0.13	1.94e-04	0.0	60.0	-0.11	0.06	-0.13	-0.02	-0.13	0.61
483	158	0.39	0.13	6.03e-05	-0.19	0.0	-2.23	0.06	0.13	4.76e-05	0.05	0.39
		0.37	0.05	-1.90e-04	0.0	60.0	-2.23	-0.13	0.13	4.76e-05	0.13	0.37
483	160	0.34	0.11	2.04e-05	-0.19	0.0	-2.23	-0.07	0.10	1.32e-03	0.04	0.34
		0.25	0.04	3.91e-05	0.0	60.0	-2.23	-0.26	0.10	1.32e-03	0.11	0.25
483	163	0.73	-0.04	-8.12e-06	-0.19	0.0	-0.11	0.37	-0.11	-0.02	-0.04	0.57
		0.57	-0.10	-3.43e-05	0.0	60.0	-0.11	0.18	-0.11	-0.02	-0.10	0.73
483	172	0.36	2.24e-03	-4.59e-05	-0.19	0.0	-1.11	-0.12	-5.25e-03	-4.01e-03	2.24e-03	0.36
		0.23	-9.05e-04	3.42e-04	0.0	60.0	-1.11	-0.31	-5.25e-03	-4.01e-03	-9.05e-04	0.23
483	175	0.75	4.82e-03	5.85e-05	-0.19	0.0	-1.23	0.42	4.04e-03	-0.01	2.40e-03	0.55
		0.55	2.40e-03	-3.38e-04	0.0	60.0	-1.23	0.23	4.04e-03	-0.01	4.82e-03	0.75
483	189	0.61	-0.05	-4.76e-05	-0.19	0.0	-0.13	0.24	-0.13	-0.02	-0.05	0.52
		0.52	-0.12	1.97e-04	0.0	60.0	-0.13	0.06	-0.13	-0.02	-0.12	0.61
483	190	0.39	0.13	6.01e-05	-0.19	0.0	-2.21	0.06	0.13	-1.05e-04	0.05	0.39
		0.37	0.05	-1.92e-04	0.0	60.0	-2.21	-0.13	0.13	-1.05e-04	0.13	0.37
483	204	0.34	2.37e-03	-5.40e-05	-0.19	0.0	-1.09	-0.15	-5.58e-03	-3.31e-03	2.37e-03	0.34
		0.20	-9.78e-04	3.98e-04	0.0	60.0	-1.09	-0.34	-5.58e-03	-3.31e-03	-9.78e-04	0.20
483	207	0.78	4.90e-03	6.65e-05	-0.19	0.0	-1.24	0.45	4.37e-03	-0.01	2.27e-03	0.57
		0.57	2.27e-03	-3.93e-04	0.0	60.0	-1.24	0.26	4.37e-03	-0.01	4.90e-03	0.78
483	221	0.63	-0.06	-5.68e-05	-0.19	0.0	0.04	0.26	-0.15	-0.02	-0.06	0.53
		0.53	-0.14	2.33e-04	0.0	60.0	0.04	0.07	-0.15	-0.02	-0.14	0.63
483	222	0.38	0.15	6.94e-05	-0.19	0.0	-2.38	0.04	0.15	1.23e-03	0.06	0.38
		0.35	0.06	-2.28e-04	0.0	60.0	-2.38	-0.15	0.15	1.23e-03	0.15	0.35
484	3	0.85	0.10	1.56e-04	-0.24	0.0	-3.11	-0.59	-3.63e-03	-2.12e-03	0.10	0.85
		0.42	0.10	-2.51e-06	0.0	60.0	-3.11	-0.84	-3.63e-03	-2.12e-03	0.10	0.42
484	14	0.63	0.10	1.23e-04	-0.19	0.0	-2.36	-0.49	-4.14e-03	2.04e-03	0.10	0.63
		0.29	0.10	-3.16e-06	0.0	60.0	-2.36	-0.68	-4.14e-03	2.04e-03	0.10	0.29
484	18	0.82	0.17	1.50e-04	-0.24	0.0	-3.09	-0.57	-6.90e-03	7.01e-03	0.17	0.82
		0.40	0.16	-6.15e-06	0.0	60.0	-3.09	-0.82	-6.90e-03	7.01e-03	0.16	0.40
484	27	0.86	-0.04	1.53e-04	-0.24	0.0	-2.88	-0.57	3.42e-03	-0.02	-0.04	0.86
		0.44	-0.04	7.01e-06	0.0	60.0	-2.88	-0.82	3.42e-03	-0.02	-0.04	0.44
484	45	0.59	-0.08	7.96e-05	-0.19	0.0	-1.81	-0.25	4.70e-03	-0.02	-0.08	0.59
		0.39	-0.08	6.81e-06	0.0	60.0	-1.81	-0.44	4.70e-03	-0.02	-0.08	0.39
484	46	0.59	-0.08	8.48e-05	-0.19	0.0	-1.81	-0.28	4.56e-03	-0.02	-0.08	0.59
		0.37	-0.08	6.82e-06	0.0	60.0	-1.81	-0.47	4.56e-03	-0.02	-0.08	0.37
484	67	0.64	0.07	1.13e-04	-0.19	0.0	-2.33	-0.42	-2.33e-03	-2.13e-03	0.07	0.64
		0.33	0.07	-1.42e-06	0.0	60.0	-2.33	-0.61	-2.33e-03	-2.13e-03	0.07	0.33
484	71	0.62	0.07	1.12e-04	-0.19	0.0	-2.26	-0.43	-2.54e-03	-9.74e-04	0.07	0.62
		0.31	0.07	-1.42e-06	0.0	60.0	-2.26	-0.62	-2.54e-03	-9.74e-04	0.07	0.31
484	75	0.62	0.11	1.09e-04	-0.19	0.0	-2.32	-0.41	-4.51e-03	3.96e-03	0.11	0.62
		0.32	0.11	-3.79e-06	0.0	60.0	-2.32	-0.60	-4.51e-03	3.96e-03	0.11	0.32
484	79	0.65	-0.03	1.12e-04	-0.19	0.0	-2.17	-0.41	2.37e-03	-0.01	-0.03	0.65
		0.34	-0.03	5.19e-06	0.0	60.0	-2.17	-0.60	2.37e-03	-0.01	-0.03	0.34
484	85	0.59	-0.05	8.30e-05	-0.19	0.0	-1.89	-0.27	3.35e-03	-0.01	-0.05	0.59
		0.38	-0.05	5.87e-06	0.0	60.0	-1.89	-0.46	3.35e-03	-0.01	-0.05	0.38
484	86	0.59	-0.05	8.64e-05	-0.19	0.0	-1.89	-0.29	3.26e-03	-0.01	-0.05	0.59
		0.36	-0.05	5.88e-06	0.0	60.0	-1.89	-0.48	3.26e-03	-0.01	-0.05	0.36
484	98	0.63	3.63e-03	1.04e-04	-0.19	0.0	-2.17	-0.37	7.30e-04	-8.74e-03	3.19e-03	0.63
		0.35	3.19e-03	4.01e-06	0.0	60.0	-2.17	-0.56	7.30e-04	-8.74e-03	3.63e-03	0.35
484	101	0.62	3.55e-03	1.03e-04	-0.19	0.0	-2.15	-0.37	6.85e-04	-8.38e-03	3.14e-03	0.62
		0.34	3.14e-03	4.01e-06	0.0	60.0	-2.15	-0.56	6.85e-04	-8.38e-03	3.55e-03	0.34
484	103	0.62	0.02	1.02e-04	-0.19	0.0	-2.18	-0.36	-3.08e-04	-5.90e-03	0.02	0.62
		0.35	0.02	2.75e-06	0.0	60.0	-2.18	-0.55	-3.08e-04	-5.90e-03	0.02	0.35
484	104	0.59	-7.59e-03	8.42e-05	-0.19	0.0	-1.98	-0.28	1.20e-03	-7.78e-03	-8.31e-03	0.59
		0.37	-8.31e-03	4.34e-06	0.0	60.0	-1.98	-0.47	1.20e-03	-7.78e-03	-7.59e-03	0.37
484	106	0.59	2.82e-03	8.44e-05	-0.19	0.0	-2.01	-0.28	6.63e-04	-6.52e-03	2.42e-03	0.59
		0.37	2.42e-03	3.95e-06	0.0	60.0	-2.01	-0.47	6.63e-04	-6.52e-03	2.82e-03	0.37
484	107	0.62	3.52e-03	1.01e-04	-0.19	0.0	-2.15	-0.36	7.21e-04	-8.42e-03	3.08e-03	0.62
		0.35	3.08e-03	4.01e-06	0.0	60.0	-2.15	-0.55	7.21e-04	-8.42e-03	3.52e-03	0.35
484	108	1.17	0.08	5.38e-05	-0.19	0.0	-1.88	-2.25	-9.41e-03	-4.39e-03	0.06	1.17

		-0.25	0.06	3.12e-04	0.0	60.0	-1.88	-2.43	-9.41e-03	-4.39e-03	0.08	-0.25
484	113	1.19	0.03	4.88e-05	-0.19	0.0	-1.77	-2.21	-0.03	-9.27e-03	0.02	1.19
		-0.08	0.02	3.28e-04	0.0	60.0	-1.77	-2.40	-0.03	-9.27e-03	0.03	-0.08
484	114	0.78	-0.01	1.54e-04	-0.19	0.0	-2.53	1.49	0.04	-7.56e-03	-0.01	0.05
		0.05	-0.02	-3.20e-04	0.0	60.0	-2.53	1.30	0.04	-7.56e-03	-0.02	0.78
484	124	0.97	0.12	1.20e-04	-0.19	0.0	-2.23	-1.76	0.05	8.09e-05	0.09	0.97
		-0.15	0.09	2.73e-05	0.0	60.0	-2.23	-1.95	0.05	8.09e-05	0.12	-0.15
484	127	0.85	-0.08	8.21e-05	-0.19	0.0	-2.07	1.04	-0.04	-0.02	-0.08	0.27
		0.27	-0.12	-1.93e-05	0.0	60.0	-2.07	0.85	-0.04	-0.02	-0.12	0.85
484	140	1.23	0.09	4.80e-05	-0.19	0.0	-1.84	-2.48	-0.01	-3.89e-03	0.06	1.23
		-0.32	0.06	3.51e-04	0.0	60.0	-1.84	-2.67	-0.01	-3.89e-03	0.09	-0.32
484	145	1.27	0.04	4.23e-05	-0.19	0.0	-1.72	-2.44	-0.04	-9.38e-03	0.02	1.27
		-0.13	0.02	3.69e-04	0.0	60.0	-1.72	-2.63	-0.04	-9.38e-03	0.04	-0.13
484	146	0.83	-0.02	1.60e-04	-0.19	0.0	-2.57	1.72	0.04	-7.46e-03	-0.02	-0.02
		-0.02	-0.03	-3.61e-04	0.0	60.0	-2.57	1.53	0.04	-7.46e-03	-0.03	0.83
484	156	1.02	0.14	1.23e-04	-0.19	0.0	-2.24	-1.93	0.05	1.14e-03	0.10	1.02
		-0.21	0.10	2.97e-05	0.0	60.0	-2.24	-2.12	0.05	1.14e-03	0.14	-0.21
484	159	0.91	-0.09	7.97e-05	-0.19	0.0	-2.06	1.21	-0.05	-0.02	-0.09	0.23
		0.23	-0.13	-2.17e-05	0.0	60.0	-2.06	1.02	-0.05	-0.02	-0.13	0.91
484	172	1.20	0.09	5.41e-05	-0.19	0.0	-1.86	-2.36	-9.75e-03	-4.01e-03	0.06	1.20
		-0.28	0.06	3.43e-04	0.0	60.0	-1.86	-2.55	-9.75e-03	-4.01e-03	0.09	-0.28
484	177	1.23	0.03	4.88e-05	-0.19	0.0	-1.75	-2.32	-0.04	-9.41e-03	0.02	1.23
		-0.10	0.02	3.61e-04	0.0	60.0	-1.75	-2.51	-0.04	-9.41e-03	0.03	-0.10
484	178	0.80	-0.02	1.54e-04	-0.19	0.0	-2.54	1.60	0.04	-7.43e-03	-0.02	0.01
		0.01	-0.03	-3.53e-04	0.0	60.0	-2.54	1.41	0.04	-7.43e-03	-0.03	0.80
484	188	1.00	0.14	1.25e-04	-0.19	0.0	-2.23	-1.86	0.05	9.46e-04	0.10	1.00
		-0.19	0.10	2.37e-05	0.0	60.0	-2.23	-2.05	0.05	9.46e-04	0.14	-0.19
484	191	0.89	-0.09	7.76e-05	-0.19	0.0	-2.07	1.14	-0.05	-0.02	-0.09	0.25
		0.25	-0.13	-1.57e-05	0.0	60.0	-2.07	0.95	-0.05	-0.02	-0.13	0.89
484	204	1.29	0.10	4.92e-05	-0.19	0.0	-1.83	-2.65	-0.01	-3.31e-03	0.07	1.29
		-0.37	0.07	3.98e-04	0.0	60.0	-1.83	-2.84	-0.01	-3.31e-03	0.10	-0.37
484	209	1.32	0.04	4.32e-05	-0.19	0.0	-1.70	-2.60	-0.04	-9.59e-03	0.03	1.32
		-0.17	0.03	4.19e-04	0.0	60.0	-1.70	-2.79	-0.04	-9.59e-03	0.04	-0.17
484	210	0.86	-0.02	1.59e-04	-0.19	0.0	-2.60	1.88	0.04	-7.24e-03	-0.02	-0.08
		-0.08	-0.03	-4.11e-04	0.0	60.0	-2.60	1.69	0.04	-7.24e-03	-0.03	0.86
484	220	1.05	0.16	1.30e-04	-0.19	0.0	-2.23	-2.09	0.06	2.45e-03	0.11	1.05
		-0.27	0.11	2.34e-05	0.0	60.0	-2.23	-2.28	0.06	2.45e-03	0.16	-0.27
484	223	0.97	-0.10	7.26e-05	-0.19	0.0	-2.06	1.36	-0.06	-0.02	-0.10	0.19
		0.19	-0.15	-1.54e-05	0.0	60.0	-2.06	1.18	-0.06	-0.02	-0.15	0.97
485	11	0.97	0.05	-1.82e-04	-0.24	0.0	3.00	1.00	-3.45e-03	0.01	0.05	0.44
		0.44	0.05	-1.09e-06	0.0	60.0	3.00	0.76	-3.45e-03	0.01	0.05	0.97
485	19	0.72	0.09	-1.03e-04	-0.19	0.0	1.80	0.64	-8.79e-03	5.72e-03	0.09	0.39
		0.39	0.08	-1.60e-06	0.0	60.0	1.80	0.45	-8.79e-03	5.72e-03	0.08	0.72
485	32	0.72	-0.03	-1.48e-04	-0.19	0.0	2.77	0.79	5.00e-03	9.65e-03	-0.03	0.30
		0.30	-0.03	1.19e-06	0.0	60.0	2.77	0.61	5.00e-03	9.65e-03	-0.03	0.72
485	44	0.92	-0.05	-1.69e-04	-0.24	0.0	3.51	0.95	7.02e-03	0.01	-0.05	0.43
		0.43	-0.05	2.19e-06	0.0	60.0	3.51	0.70	7.02e-03	0.01	-0.05	0.92
485	71	0.74	0.03	-1.33e-04	-0.19	0.0	2.28	0.75	-2.19e-03	8.37e-03	0.03	0.34
		0.34	0.03	0.0	0.0	60.0	2.28	0.56	-2.19e-03	8.37e-03	0.03	0.74
485	72	0.71	0.06	-1.05e-04	-0.19	0.0	1.95	0.65	-5.44e-03	5.91e-03	0.06	0.38
		0.38	0.05	-1.04e-06	0.0	60.0	1.95	0.46	-5.44e-03	5.91e-03	0.05	0.71
485	80	0.72	-0.02	-1.34e-04	-0.19	0.0	2.59	0.75	3.75e-03	8.53e-03	-0.02	0.32
		0.32	-0.02	0.0	0.0	60.0	2.59	0.56	3.75e-03	8.53e-03	-0.02	0.72
485	88	0.71	-0.03	-1.24e-04	-0.19	0.0	2.62	0.71	4.79e-03	7.75e-03	-0.04	0.34
		0.34	-0.04	1.48e-06	0.0	60.0	2.62	0.52	4.79e-03	7.75e-03	-0.03	0.71
485	98	0.71	-4.43e-03	-1.23e-04	-0.19	0.0	2.36	0.71	1.61e-03	7.47e-03	-5.40e-03	0.34
		0.34	-5.40e-03	0.0	0.0	60.0	2.36	0.53	1.61e-03	7.47e-03	-4.43e-03	0.71
485	102	0.70	8.07e-03	-1.03e-04	-0.19	0.0	2.16	0.64	-1.91e-04	5.82e-03	8.07e-03	0.38
		0.38	7.96e-03	0.0	0.0	60.0	2.16	0.45	-1.91e-04	5.82e-03	7.96e-03	0.70
485	103	0.71	7.15e-03	-1.21e-04	-0.19	0.0	2.28	0.70	2.23e-04	7.26e-03	7.02e-03	0.35
		0.35	7.02e-03	0.0	0.0	60.0	2.28	0.52	2.23e-04	7.26e-03	7.15e-03	0.71
485	105	0.71	-0.01	-1.19e-04	-0.19	0.0	2.38	0.70	2.16e-03	7.21e-03	-0.01	0.34
		0.34	-0.01	0.0	0.0	60.0	2.38	0.51	2.16e-03	7.21e-03	-0.01	0.71
485	106	0.70	-3.50e-03	-1.02e-04	-0.19	0.0	2.21	0.64	1.12e-03	5.80e-03	-4.17e-03	0.37
		0.37	-4.17e-03	0.0	0.0	60.0	2.21	0.45	1.12e-03	5.80e-03	-3.50e-03	0.70
485	107	0.71	-4.30e-03	-1.20e-04	-0.19	0.0	2.33	0.70	1.54e-03	7.23e-03	-5.22e-03	0.35
		0.35	-5.22e-03	0.0	0.0	60.0	2.33	0.51	1.54e-03	7.23e-03	-4.30e-03	0.71
485	108	1.39	0.03	-1.33e-04	-0.19	0.0	-0.58	-3.35	-0.02	0.02	0.03	1.39
		-0.68	0.02	1.94e-04	0.0	60.0	-0.58	-3.54	-0.02	0.02	0.02	-0.68
485	111	2.10	-0.02	-1.07e-04	-0.19	0.0	5.25	4.76	0.02	-7.62e-04	-0.04	-0.70
		-0.70	-0.04	-1.94e-04	0.0	60.0	5.25	4.57	0.02	-7.62e-04	-0.02	2.10
485	114	2.10	-0.01	-1.15e-04	-0.19	0.0	5.19	4.77	9.88e-03	-7.52e-04	-0.02	-0.71
		-0.71	-0.02	-1.90e-04	0.0	60.0	5.19	4.58	9.88e-03	-7.52e-04	-0.01	2.10
485	132	0.98	0.04	-2.30e-04	-0.19	0.0	2.74	1.45	-0.03	0.01	0.04	0.16
		0.16	0.02	7.88e-05	0.0	60.0	2.74	1.26	-0.03	0.01	0.02	0.98

485	135	0.53	-0.03	-9.84e-06	-0.19	0.0	1.93	-0.05	0.03	1.35e-03	-0.05	0.53
		0.44	-0.05	-7.91e-05	0.0	60.0	1.93	-0.23	0.03	1.35e-03	-0.03	0.44
485	140	1.52	0.03	-1.35e-04	-0.19	0.0	-0.94	-3.86	-0.02	0.02	0.03	1.52
		-0.85	0.02	2.18e-04	0.0	60.0	-0.94	-4.04	-0.02	0.02	0.02	-0.85
485	143	2.27	-0.03	-1.06e-04	-0.19	0.0	5.61	5.26	0.02	-1.77e-03	-0.04	-0.83
		-0.83	-0.04	-2.18e-04	0.0	60.0	5.61	5.07	0.02	-1.77e-03	-0.03	2.27
485	145	1.53	0.01	-1.25e-04	-0.19	0.0	-0.87	-3.87	-7.86e-03	0.02	0.01	1.53
		-0.86	6.86e-03	2.14e-04	0.0	60.0	-0.87	-4.06	-7.86e-03	0.02	6.86e-03	-0.86
485	146	2.28	-0.02	-1.15e-04	-0.19	0.0	5.54	5.28	0.01	-1.76e-03	-0.02	-0.84
		-0.84	-0.02	-2.14e-04	0.0	60.0	5.54	5.09	0.01	-1.76e-03	-0.02	2.28
485	164	1.01	0.04	-2.44e-04	-0.19	0.0	2.79	1.54	-0.03	0.01	0.04	0.14
		0.14	0.02	8.92e-05	0.0	60.0	2.79	1.35	-0.03	0.01	0.02	1.01
485	167	0.55	-0.03	3.83e-06	-0.19	0.0	1.88	-0.14	0.03	5.93e-04	-0.05	0.55
		0.41	-0.05	-8.95e-05	0.0	60.0	1.88	-0.32	0.03	5.93e-04	-0.03	0.41
485	172	1.47	0.03	-1.19e-04	-0.19	0.0	-0.76	-3.63	-0.02	0.02	0.03	1.47
		-0.77	0.02	2.16e-04	0.0	60.0	-0.76	-3.82	-0.02	0.02	0.02	-0.77
485	175	2.19	-0.03	-1.21e-04	-0.19	0.0	5.43	5.04	0.02	-1.76e-03	-0.04	-0.78
		-0.78	-0.04	-2.17e-04	0.0	60.0	5.43	4.85	0.02	-1.76e-03	-0.03	2.19
485	178	2.20	-0.02	-1.30e-04	-0.19	0.0	5.35	5.05	0.01	-1.73e-03	-0.02	-0.78
		-0.78	-0.02	-2.12e-04	0.0	60.0	5.35	4.87	0.01	-1.73e-03	-0.02	2.20
485	196	1.00	0.04	-2.39e-04	-0.19	0.0	2.77	1.53	-0.03	0.01	0.04	0.14
		0.14	0.02	9.22e-05	0.0	60.0	2.77	1.34	-0.03	0.01	0.02	1.00
485	199	0.55	-0.03	-2.85e-06	-0.19	0.0	1.90	-0.12	0.03	5.19e-04	-0.05	0.55
		0.42	-0.05	-9.25e-05	0.0	60.0	1.90	-0.31	0.03	5.19e-04	-0.03	0.42
485	204	1.63	0.04	-1.10e-04	-0.19	0.0	-1.20	-4.26	-0.02	0.02	0.04	1.63
		-0.98	0.02	2.54e-04	0.0	60.0	-1.20	-4.45	-0.02	0.02	0.02	-0.98
485	207	2.40	-0.03	-1.30e-04	-0.19	0.0	5.87	5.67	0.03	-3.33e-03	-0.05	-0.94
		-0.94	-0.05	-2.54e-04	0.0	60.0	5.87	5.48	0.03	-3.33e-03	-0.03	2.40
485	209	1.64	0.01	-1.00e-04	-0.19	0.0	-1.10	-4.28	-9.38e-03	0.02	0.01	1.64
		-0.99	8.86e-03	2.48e-04	0.0	60.0	-1.10	-4.47	-9.38e-03	0.02	8.86e-03	-0.99
485	210	2.41	-0.02	-1.40e-04	-0.19	0.0	5.77	5.69	0.01	-3.29e-03	-0.02	-0.95
		-0.95	-0.02	-2.48e-04	0.0	60.0	5.77	5.50	0.01	-3.29e-03	-0.02	2.41
485	228	1.05	0.05	-2.56e-04	-0.19	0.0	2.84	1.66	-0.03	0.02	0.05	0.11
		0.11	0.03	1.11e-04	0.0	60.0	2.84	1.48	-0.03	0.02	0.03	1.05
485	231	0.58	-0.04	1.60e-05	-0.19	0.0	1.83	-0.26	0.04	-7.32e-04	-0.06	0.58
		0.37	-0.06	-1.11e-04	0.0	60.0	1.83	-0.45	0.04	-7.32e-04	-0.04	0.37
486	11	0.68	0.05	-1.36e-05	-0.24	0.0	1.66	-0.35	-0.06	0.01	0.05	0.68
		0.39	0.02	0.0	0.0	60.0	1.66	-0.59	-0.06	0.01	0.02	0.39
486	19	0.50	0.09	2.06e-05	-0.19	0.0	0.28	-0.28	-0.09	5.72e-03	0.09	0.50
		0.28	0.04	5.71e-06	0.0	60.0	0.28	-0.47	-0.09	5.72e-03	0.04	0.28
486	44	0.63	-0.03	-6.20e-06	-0.24	0.0	2.83	-0.40	0.04	0.01	-0.05	0.63
		0.32	-0.05	-6.93e-06	0.0	60.0	2.83	-0.65	0.04	0.01	-0.03	0.32
486	47	0.47	-0.03	-3.25e-06	-0.19	0.0	2.32	-0.33	0.04	7.86e-03	-0.05	0.47
		0.21	-0.05	-5.81e-06	0.0	60.0	2.32	-0.52	0.04	7.86e-03	-0.03	0.21
486	71	0.52	0.03	-5.04e-06	-0.19	0.0	1.23	-0.27	-0.04	8.37e-03	0.03	0.52
		0.30	0.01	0.0	0.0	60.0	1.23	-0.46	-0.04	8.37e-03	0.01	0.30
486	72	0.50	0.06	1.87e-05	-0.19	0.0	0.59	-0.28	-0.06	5.90e-03	0.06	0.50
		0.27	0.02	2.97e-06	0.0	60.0	0.59	-0.47	-0.06	5.90e-03	0.02	0.27
486	87	0.48	-0.02	3.21e-06	-0.19	0.0	1.95	-0.32	0.03	7.33e-03	-0.04	0.48
		0.23	-0.04	-4.71e-06	0.0	60.0	1.95	-0.51	0.03	7.33e-03	-0.02	0.23
486	88	0.49	-0.02	-1.68e-06	-0.19	0.0	2.01	-0.31	0.03	7.75e-03	-0.04	0.49
		0.24	-0.04	-4.85e-06	0.0	60.0	2.01	-0.50	0.03	7.75e-03	-0.02	0.24
486	101	0.49	-3.68e-03	3.12e-06	-0.19	0.0	1.40	-0.30	-2.34e-03	7.40e-03	-3.68e-03	0.49
		0.26	-5.08e-03	-3.03e-06	0.0	60.0	1.40	-0.49	-2.34e-03	7.40e-03	-5.08e-03	0.26
486	102	0.49	9.21e-03	1.95e-05	-0.19	0.0	1.00	-0.29	-0.01	5.82e-03	9.21e-03	0.49
		0.25	1.13e-03	-1.22e-06	0.0	60.0	1.00	-0.48	-0.01	5.82e-03	1.13e-03	0.25
486	105	0.48	-7.89e-03	4.59e-06	-0.19	0.0	1.48	-0.31	3.42e-03	7.20e-03	-9.93e-03	0.48
		0.24	-9.93e-03	-3.30e-06	0.0	60.0	1.48	-0.49	3.42e-03	7.20e-03	-7.89e-03	0.24
486	106	0.48	-2.96e-03	1.98e-05	-0.19	0.0	1.11	-0.30	-1.87e-03	5.79e-03	-2.96e-03	0.48
		0.25	-4.08e-03	-2.27e-06	0.0	60.0	1.11	-0.48	-1.87e-03	5.79e-03	-4.08e-03	0.25
486	107	0.49	-3.63e-03	4.30e-06	-0.19	0.0	1.38	-0.30	-2.31e-03	7.23e-03	-3.63e-03	0.49
		0.25	-5.02e-03	-2.97e-06	0.0	60.0	1.38	-0.49	-2.31e-03	7.23e-03	-5.02e-03	0.25
486	108	-0.72	0.02	4.70e-05	-0.19	0.0	-4.86	-3.69	6.55e-03	0.02	0.02	-0.72
		-2.99	0.01	1.88e-04	0.0	60.0	-4.86	-3.88	6.55e-03	0.02	0.01	-2.99
486	111	3.49	-0.02	-3.86e-05	-0.19	0.0	7.61	3.08	-0.01	-7.68e-04	-0.03	1.70
		1.70	-0.03	-1.94e-04	0.0	60.0	7.61	2.89	-0.01	-7.68e-04	-0.02	3.49
486	113	-0.74	7.63e-04	5.17e-05	-0.19	0.0	-3.13	-3.74	0.02	0.02	7.63e-04	-0.74
		-3.03	-1.39e-03	1.89e-04	0.0	60.0	-3.13	-3.92	0.02	0.02	-1.39e-03	-3.03
486	114	3.53	-8.03e-03	-4.31e-05	-0.19	0.0	5.88	3.13	-0.03	-7.57e-04	-8.03e-03	1.71
		1.71	-8.65e-03	-1.95e-04	0.0	60.0	5.88	2.94	-0.03	-7.57e-04	-8.65e-03	3.53
486	132	0.91	0.04	-3.51e-05	-0.19	0.0	-1.87	0.38	-0.03	0.01	0.04	0.74
		0.74	0.02	6.85e-05	0.0	60.0	-1.87	0.19	-0.03	0.01	0.02	0.91
486	135	0.24	-0.03	4.37e-05	-0.19	0.0	4.62	-0.99	0.02	1.35e-03	-0.05	0.24
		-0.41	-0.05	-7.44e-05	0.0	60.0	4.62	-1.17	0.02	1.35e-03	-0.03	-0.41
486	140	-0.88	0.03	5.23e-05	-0.19	0.0	-5.64	-4.11	7.66e-03	0.02	0.03	-0.88

		-3.40	0.01	2.13e-04	0.0	60.0	-5.64	-4.30	7.66e-03	0.02	0.01	-3.40
486	143	3.89	-0.02	-4.38e-05	-0.19	0.0	8.39	3.51	-0.01	-1.78e-03	-0.03	1.85
		1.85	-0.03	-2.19e-04	0.0	60.0	8.39	3.32	-0.01	-1.78e-03	-0.02	3.89
486	145	-0.89	1.33e-03	5.76e-05	-0.19	0.0	-3.70	-4.16	0.02	0.02	1.33e-03	-0.89
		-3.44	-9.14e-04	2.14e-04	0.0	60.0	-3.70	-4.35	0.02	0.02	-9.14e-04	-3.44
486	146	3.94	-8.60e-03	-4.90e-05	-0.19	0.0	6.45	3.56	-0.03	-1.77e-03	-8.60e-03	1.86
		1.86	-9.12e-03	-2.20e-04	0.0	60.0	6.45	3.37	-0.03	-1.77e-03	-9.12e-03	3.94
486	164	0.99	0.05	-4.01e-05	-0.19	0.0	-2.26	0.46	-0.03	0.01	0.05	0.77
		0.77	0.02	7.80e-05	0.0	60.0	-2.26	0.27	-0.03	0.01	0.02	0.99
486	167	0.21	-0.03	4.87e-05	-0.19	0.0	5.02	-1.07	0.03	5.90e-04	-0.06	0.21
		-0.49	-0.06	-8.39e-05	0.0	60.0	5.02	-1.26	0.03	5.90e-04	-0.03	-0.49
486	172	-0.80	0.02	4.90e-05	-0.19	0.0	-5.33	-3.92	6.89e-03	0.02	0.02	-0.80
		-3.21	0.01	2.11e-04	0.0	60.0	-5.33	-4.11	6.89e-03	0.02	0.01	-3.21
486	175	3.71	-0.02	-4.06e-05	-0.19	0.0	8.08	3.32	-0.01	-1.76e-03	-0.03	1.78
		1.78	-0.03	-2.17e-04	0.0	60.0	8.08	3.13	-0.01	-1.76e-03	-0.02	3.71
486	177	-0.82	1.15e-03	5.43e-05	-0.19	0.0	-3.47	-3.98	0.02	0.02	1.15e-03	-0.82
		-3.26	-7.70e-04	2.12e-04	0.0	60.0	-3.47	-4.17	0.02	0.02	-7.70e-04	-3.26
486	178	3.76	-8.41e-03	-4.58e-05	-0.19	0.0	6.22	3.37	-0.03	-1.74e-03	-8.41e-03	1.79
		1.79	-9.26e-03	-2.18e-04	0.0	60.0	6.22	3.18	-0.03	-1.74e-03	-9.26e-03	3.76
486	196	0.98	0.05	-4.21e-05	-0.19	0.0	-1.97	0.45	-0.03	0.01	0.05	0.76
		0.76	0.02	8.10e-05	0.0	60.0	-1.97	0.26	-0.03	0.01	0.02	0.98
486	199	0.21	-0.03	5.07e-05	-0.19	0.0	4.72	-1.06	0.03	5.15e-04	-0.05	0.21
		-0.48	-0.05	-8.69e-05	0.0	60.0	4.72	-1.25	0.03	5.15e-04	-0.03	-0.48
486	204	-0.99	0.03	5.47e-05	-0.19	0.0	-6.32	-4.45	8.06e-03	0.02	0.03	-0.99
		-3.71	0.02	2.48e-04	0.0	60.0	-6.32	-4.64	8.06e-03	0.02	0.02	-3.71
486	207	4.21	-0.03	-4.63e-05	-0.19	0.0	9.07	3.84	-0.01	-3.34e-03	-0.04	1.96
		1.96	-0.04	-2.54e-04	0.0	60.0	9.07	3.65	-0.01	-3.34e-03	-0.03	4.21
486	209	-1.01	1.91e-03	6.11e-05	-0.19	0.0	-4.19	-4.51	0.03	0.02	1.91e-03	-1.01
		-3.77	6.61e-05	2.48e-04	0.0	60.0	-4.19	-4.70	0.03	0.02	6.61e-05	-3.77
486	210	4.27	-9.18e-03	-5.25e-05	-0.19	0.0	6.94	3.91	-0.03	-3.30e-03	-9.18e-03	1.98
		1.98	-0.01	-2.54e-04	0.0	60.0	6.94	3.72	-0.03	-3.30e-03	-0.01	4.27
486	228	1.10	0.05	-5.08e-05	-0.19	0.0	-2.42	0.58	-0.04	0.02	0.05	0.81
		0.81	0.03	9.79e-05	0.0	60.0	-2.42	0.39	-0.04	0.02	0.03	1.10
486	231	0.17	-0.04	5.94e-05	-0.19	0.0	5.17	-1.18	0.03	-7.36e-04	-0.06	0.17
		-0.60	-0.06	-1.04e-04	0.0	60.0	5.17	-1.37	0.03	-7.36e-04	-0.04	-0.60
487	9	0.78	0.05	-5.67e-05	-0.24	0.0	1.59	0.46	-1.32e-03	3.54e-04	0.05	0.58
		0.58	0.05	4.75e-06	0.0	60.0	1.59	0.21	-1.32e-03	3.54e-04	0.05	0.78
487	19	0.60	0.09	-4.40e-05	-0.19	0.0	0.51	0.37	-3.78e-03	2.13e-04	0.09	0.44
		0.44	0.09	5.24e-06	0.0	60.0	0.51	0.18	-3.78e-03	2.13e-04	0.09	0.60
487	44	0.75	-0.05	-5.01e-05	-0.24	0.0	3.68	0.40	4.28e-03	3.92e-04	-0.05	0.58
		0.58	-0.05	2.22e-06	0.0	60.0	3.68	0.16	4.28e-03	3.92e-04	-0.05	0.75
487	53	0.59	-2.28e-03	-4.34e-05	-0.19	0.0	1.64	0.37	9.43e-04	2.42e-04	-2.84e-03	0.43
		0.43	-2.84e-03	1.67e-06	0.0	60.0	1.64	0.18	9.43e-04	2.42e-04	-2.28e-03	0.59
487	69	0.60	0.03	-4.38e-05	-0.19	0.0	1.27	0.36	-7.82e-04	2.65e-04	0.03	0.45
		0.45	0.03	3.35e-06	0.0	60.0	1.27	0.17	-7.82e-04	2.65e-04	0.03	0.60
487	72	0.60	0.06	-4.35e-05	-0.19	0.0	0.91	0.36	-2.16e-03	2.29e-04	0.06	0.44
		0.44	0.06	4.12e-06	0.0	60.0	0.91	0.18	-2.16e-03	2.29e-04	0.06	0.60
487	88	0.58	-0.03	-3.93e-05	-0.19	0.0	2.66	0.32	2.95e-03	2.91e-04	-0.04	0.44
		0.44	-0.04	1.61e-06	0.0	60.0	2.66	0.13	2.95e-03	2.91e-04	-0.03	0.58
487	89	0.59	-2.37e-03	-4.31e-05	-0.19	0.0	1.67	0.36	9.90e-04	2.48e-04	-2.96e-03	0.43
		0.43	-2.96e-03	1.74e-06	0.0	60.0	1.67	0.17	9.90e-04	2.48e-04	-2.37e-03	0.59
487	97	0.59	-2.37e-03	-4.31e-05	-0.19	0.0	1.67	0.36	9.90e-04	2.48e-04	-2.96e-03	0.43
		0.43	-2.96e-03	1.74e-06	0.0	60.0	1.67	0.17	9.90e-04	2.48e-04	-2.37e-03	0.59
487	99	0.59	-2.40e-03	-4.32e-05	-0.19	0.0	1.68	0.36	1.01e-03	2.54e-04	-3.00e-03	0.43
		0.43	-3.00e-03	1.77e-06	0.0	60.0	1.68	0.17	1.01e-03	2.54e-04	-2.40e-03	0.59
487	102	0.59	9.47e-03	-4.32e-05	-0.19	0.0	1.52	0.36	3.60e-04	2.44e-04	9.25e-03	0.43
		0.43	9.25e-03	2.21e-06	0.0	60.0	1.52	0.17	3.60e-04	2.44e-04	9.47e-03	0.59
487	105	0.58	-9.03e-03	-4.02e-05	-0.19	0.0	1.96	0.33	1.59e-03	2.79e-04	-9.98e-03	0.44
		0.44	-9.98e-03	1.99e-06	0.0	60.0	1.96	0.15	1.59e-03	2.79e-04	-9.03e-03	0.58
487	106	0.59	-2.37e-03	-4.31e-05	-0.19	0.0	1.67	0.36	9.90e-04	2.48e-04	-2.96e-03	0.43
		0.43	-2.96e-03	1.74e-06	0.0	60.0	1.67	0.17	9.90e-04	2.48e-04	-2.37e-03	0.59
487	107	0.58	-2.87e-03	-4.04e-05	-0.19	0.0	1.79	0.34	1.28e-03	2.81e-04	-3.63e-03	0.44
		0.44	-3.63e-03	2.19e-06	0.0	60.0	1.79	0.15	1.28e-03	2.81e-04	-2.87e-03	0.58
487	108	1.56	7.20e-03	3.18e-04	-0.19	0.0	-1.20	-3.97	-4.46e-04	7.84e-03	1.83e-03	1.56
		-0.87	1.83e-03	1.91e-04	0.0	60.0	-1.20	-4.15	-4.46e-04	7.84e-03	7.20e-03	-0.87
487	111	2.04	-9.10e-03	-3.99e-04	-0.19	0.0	4.79	4.64	3.00e-03	-7.27e-03	-9.10e-03	-0.69
		-0.69	-0.01	-1.86e-04	0.0	60.0	4.79	4.45	3.00e-03	-7.27e-03	-0.01	2.04
487	124	1.21	0.03	1.57e-04	-0.19	0.0	-2.79	-2.67	-0.02	-8.64e-04	0.03	1.21
		-0.45	0.02	4.58e-05	0.0	60.0	-2.79	-2.86	-0.02	-8.64e-04	0.02	-0.45
487	127	1.62	-0.03	-2.38e-04	-0.19	0.0	6.37	3.34	0.02	1.43e-03	-0.04	-0.33
		-0.33	-0.04	-4.14e-05	0.0	60.0	6.37	3.15	0.02	1.43e-03	-0.03	1.62
487	133	1.24	-0.03	1.63e-04	-0.19	0.0	4.19	-2.66	0.02	-8.36e-04	-0.04	1.24
		-0.42	-0.04	3.76e-05	0.0	60.0	4.19	-2.85	0.02	-8.36e-04	-0.03	-0.42
487	134	1.58	0.04	-2.44e-04	-0.19	0.0	-0.61	3.33	-0.02	1.40e-03	0.04	-0.36
		-0.36	0.02	-3.32e-05	0.0	60.0	-0.61	3.14	-0.02	1.40e-03	0.02	1.58

487	140	1.71	8.44e-03	3.63e-04	-0.19	0.0	-1.58	-4.50	-6.57e-04	8.78e-03	2.50e-03	1.71
		-1.05	2.50e-03	2.14e-04	0.0	60.0	-1.58	-4.69	-6.57e-04	8.78e-03	8.44e-03	-1.05
487	143	2.22	-9.77e-03	-4.43e-04	-0.19	0.0	5.16	5.17	3.21e-03	-8.22e-03	-9.77e-03	-0.83
		-0.83	-0.01	-2.10e-04	0.0	60.0	5.16	4.99	3.21e-03	-8.22e-03	-0.01	2.22
487	156	1.30	0.03	1.82e-04	-0.19	0.0	-3.36	-3.04	-0.02	-1.01e-03	0.03	1.30
		-0.58	0.03	5.10e-05	0.0	60.0	-3.36	-3.23	-0.02	-1.01e-03	0.03	-0.58
487	159	1.74	-0.03	-2.63e-04	-0.19	0.0	6.94	3.71	0.02	1.58e-03	-0.04	-0.43
		-0.43	-0.04	-4.66e-05	0.0	60.0	6.94	3.52	0.02	1.58e-03	-0.03	1.74
487	165	1.34	-0.03	1.88e-04	-0.19	0.0	4.49	-3.03	0.03	-9.83e-04	-0.05	1.34
		-0.54	-0.05	4.17e-05	0.0	60.0	4.49	-3.22	0.03	-9.83e-04	-0.03	-0.54
487	166	1.70	0.04	-2.69e-04	-0.19	0.0	-0.91	3.70	-0.02	1.54e-03	0.04	-0.46
		-0.46	0.02	-3.74e-05	0.0	60.0	-0.91	3.51	-0.02	1.54e-03	0.02	1.70
487	172	1.64	8.09e-03	3.40e-04	-0.19	0.0	-1.45	-4.27	-7.37e-04	8.55e-03	2.46e-03	1.64
		-0.97	2.46e-03	2.12e-04	0.0	60.0	-1.45	-4.45	-7.37e-04	8.55e-03	8.09e-03	-0.97
487	175	2.14	-9.73e-03	-4.21e-04	-0.19	0.0	5.04	4.94	3.29e-03	-7.99e-03	-9.73e-03	-0.77
		-0.77	-0.01	-2.08e-04	0.0	60.0	5.04	4.75	3.29e-03	-7.99e-03	-0.01	2.14
487	188	1.27	0.03	1.77e-04	-0.19	0.0	-3.26	-2.90	-0.02	-1.04e-03	0.03	1.27
		-0.53	0.02	4.78e-05	0.0	60.0	-3.26	-3.09	-0.02	-1.04e-03	0.02	-0.53
487	191	1.69	-0.03	-2.57e-04	-0.19	0.0	6.84	3.57	0.02	1.60e-03	-0.04	-0.39
		-0.39	-0.04	-4.34e-05	0.0	60.0	6.84	3.38	0.02	1.60e-03	-0.03	1.69
487	197	1.30	-0.03	1.82e-04	-0.19	0.0	4.42	-2.89	0.03	-1.02e-03	-0.05	1.30
		-0.49	-0.05	3.85e-05	0.0	60.0	4.42	-3.08	0.03	-1.02e-03	-0.03	-0.49
487	198	1.66	0.04	-2.62e-04	-0.19	0.0	-0.83	3.56	-0.02	1.58e-03	0.04	-0.43
		-0.43	0.02	-3.41e-05	0.0	60.0	-0.83	3.37	-0.02	1.58e-03	0.02	1.66
487	204	1.82	9.84e-03	3.94e-04	-0.19	0.0	-1.95	-4.94	-1.13e-03	9.87e-03	3.48e-03	1.82
		-1.20	3.48e-03	2.48e-04	0.0	60.0	-1.95	-5.13	-1.13e-03	9.87e-03	9.84e-03	-1.20
487	207	2.36	-0.01	-4.74e-04	-0.19	0.0	5.53	5.61	3.68e-03	-9.31e-03	-0.01	-0.95
		-0.95	-0.02	-2.43e-04	0.0	60.0	5.53	5.42	3.68e-03	-9.31e-03	-0.02	2.36
487	220	1.39	0.04	2.10e-04	-0.19	0.0	-4.07	-3.38	-0.02	-1.32e-03	0.04	1.39
		-0.70	0.03	5.39e-05	0.0	60.0	-4.07	-3.57	-0.02	-1.32e-03	0.03	-0.70
487	223	1.86	-0.03	-2.91e-04	-0.19	0.0	7.65	4.05	0.02	1.88e-03	-0.05	-0.52
		-0.52	-0.05	-4.95e-05	0.0	60.0	7.65	3.86	0.02	1.88e-03	-0.03	1.86
487	229	1.43	-0.03	2.16e-04	-0.19	0.0	4.84	-3.37	0.03	-1.29e-03	-0.05	1.43
		-0.65	-0.05	4.29e-05	0.0	60.0	4.84	-3.56	0.03	-1.29e-03	-0.03	-0.65
487	230	1.82	0.05	-2.97e-04	-0.19	0.0	-1.26	4.04	-0.03	1.85e-03	0.05	-0.56
		-0.56	0.03	-3.85e-05	0.0	60.0	-1.26	3.86	-0.03	1.85e-03	0.03	1.82
488	9	0.49	0.05	8.47e-05	-0.24	0.0	0.17	-0.66	-0.05	3.50e-04	0.05	0.49
		0.02	0.02	7.05e-06	0.0	60.0	0.17	-0.91	-0.05	3.50e-04	0.02	0.02
488	19	0.38	0.09	6.38e-05	-0.19	0.0	-0.58	-0.47	-0.09	2.10e-04	0.09	0.38
		0.04	0.04	1.19e-05	0.0	60.0	-0.58	-0.66	-0.09	2.10e-04	0.04	0.04
488	27	0.39	-0.02	8.74e-05	-0.24	0.0	1.77	-0.88	0.02	3.98e-04	-0.03	0.39
		-0.21	-0.03	-4.60e-06	0.0	60.0	1.77	-1.13	0.02	3.98e-04	-0.02	-0.21
488	44	0.42	-0.03	8.68e-05	-0.24	0.0	2.22	-0.83	0.04	3.89e-04	-0.05	0.42
		-0.15	-0.05	-7.58e-06	0.0	60.0	2.22	-1.07	0.04	3.89e-04	-0.03	-0.15
488	69	0.38	0.03	6.47e-05	-0.19	0.0	0.18	-0.50	-0.04	2.62e-04	0.03	0.38
		0.02	0.01	4.66e-06	0.0	60.0	0.18	-0.69	-0.04	2.62e-04	0.01	0.02
488	72	0.38	0.06	6.38e-05	-0.19	0.0	-0.18	-0.49	-0.06	2.26e-04	0.06	0.38
		0.03	0.02	7.84e-06	0.0	60.0	-0.18	-0.68	-0.06	2.26e-04	0.02	0.03
488	79	0.31	-0.01	6.65e-05	-0.19	0.0	1.24	-0.65	0.02	2.94e-04	-0.02	0.31
		-0.13	-0.02	-3.11e-06	0.0	60.0	1.24	-0.83	0.02	2.94e-04	-0.01	-0.13
488	88	0.33	-0.02	6.61e-05	-0.19	0.0	1.54	-0.61	0.03	2.88e-04	-0.04	0.33
		-0.09	-0.04	-5.09e-06	0.0	60.0	1.54	-0.80	0.03	2.88e-04	-0.02	-0.09
488	98	0.33	-3.53e-03	6.56e-05	-0.19	0.0	0.70	-0.60	-1.81e-03	2.84e-04	-3.53e-03	0.33
		-0.08	-4.62e-03	0.0	0.0	60.0	0.70	-0.78	-1.81e-03	2.84e-04	-4.62e-03	-0.08
488	99	0.37	-2.92e-03	6.36e-05	-0.19	0.0	0.59	-0.49	-1.46e-03	2.51e-04	-2.92e-03	0.37
		0.02	-3.79e-03	0.0	0.0	60.0	0.59	-0.68	-1.46e-03	2.51e-04	-3.79e-03	0.02
488	102	0.37	9.34e-03	6.34e-05	-0.19	0.0	0.42	-0.49	-0.01	2.41e-04	9.34e-03	0.37
		0.02	1.54e-03	1.35e-06	0.0	60.0	0.42	-0.68	-0.01	2.41e-04	1.54e-03	0.02
488	105	0.34	-7.39e-03	6.53e-05	-0.19	0.0	0.84	-0.58	3.98e-03	2.76e-04	-9.78e-03	0.34
		-0.07	-9.78e-03	-1.18e-06	0.0	60.0	0.84	-0.77	3.98e-03	2.76e-04	-7.39e-03	-0.07
488	106	0.37	-2.88e-03	6.33e-05	-0.19	0.0	0.58	-0.49	-1.43e-03	2.45e-04	-2.88e-03	0.37
		0.02	-3.74e-03	0.0	0.0	60.0	0.58	-0.68	-1.43e-03	2.45e-04	-3.74e-03	0.02
488	107	0.34	-3.44e-03	6.53e-05	-0.19	0.0	0.68	-0.58	-1.76e-03	2.78e-04	-3.44e-03	0.34
		-0.07	-4.49e-03	0.0	0.0	60.0	0.68	-0.77	-1.76e-03	2.78e-04	-4.49e-03	-0.07
488	108	-0.96	0.01	2.09e-04	-0.19	0.0	-7.45	-4.09	-1.65e-03	7.83e-03	0.01	-0.96
		-3.47	8.95e-03	1.87e-04	0.0	60.0	-7.45	-4.28	-1.65e-03	7.83e-03	8.95e-03	-3.47
488	111	3.33	-0.02	-7.80e-05	-0.19	0.0	8.81	2.92	-1.87e-03	-7.28e-03	-0.02	1.63
		1.63	-0.02	-1.87e-04	0.0	60.0	8.81	2.74	-1.87e-03	-7.28e-03	-0.02	3.33
488	113	-0.97	-4.41e-03	2.08e-04	-0.19	0.0	-4.90	-4.12	0.01	7.84e-03	-0.01	-0.97
		-3.50	-0.01	1.87e-04	0.0	60.0	-4.90	-4.31	0.01	7.84e-03	-4.41e-03	-3.50
488	114	3.36	3.17e-03	-7.70e-05	-0.19	0.0	6.26	2.96	-0.02	-7.29e-03	3.17e-03	1.64
		1.64	-4.58e-03	-1.88e-04	0.0	60.0	6.26	2.77	-0.02	-7.29e-03	-4.58e-03	3.36
488	124	-0.57	0.04	1.57e-04	-0.19	0.0	-7.36	-2.98	-0.02	-8.65e-04	0.04	-0.57
		-2.41	0.02	3.97e-05	0.0	60.0	-7.36	-3.16	-0.02	-8.65e-04	0.02	-2.41
488	127	2.27	-0.03	-2.64e-05	-0.19	0.0	8.72	1.81	0.02	1.42e-03	-0.04	1.24

		1.24	-0.04	-4.01e-05	0.0	60.0	8.72	1.62	0.02	1.42e-03	-0.03	2.27
488	140	-1.12	0.01	2.26e-04	-0.19	0.0	-8.47	-4.52	-1.62e-03	8.78e-03	0.01	-1.12
		-3.89	0.01	2.11e-04	0.0	60.0	-8.47	-4.71	-1.62e-03	8.78e-03	0.01	-3.89
488	143	3.76	-0.02	-9.59e-05	-0.19	0.0	9.83	3.36	-1.90e-03	-8.23e-03	-0.02	1.80
		1.80	-0.02	-2.11e-04	0.0	60.0	9.83	3.17	-1.90e-03	-8.23e-03	-0.02	3.76
488	145	-1.13	-4.39e-03	2.25e-04	-0.19	0.0	-5.60	-4.57	0.01	8.79e-03	-0.01	-1.13
		-3.92	-0.01	2.11e-04	0.0	60.0	-5.60	-4.75	0.01	8.79e-03	-4.39e-03	-3.92
488	146	3.79	3.97e-03	-9.48e-05	-0.19	0.0	6.96	3.40	-0.02	-8.23e-03	3.97e-03	1.80
		1.80	-4.60e-03	-2.11e-04	0.0	60.0	6.96	3.21	-0.02	-8.23e-03	-4.60e-03	3.79
488	156	-0.68	0.04	1.68e-04	-0.19	0.0	-8.36	-3.27	-0.02	-1.01e-03	0.04	-0.68
		-2.70	0.03	4.44e-05	0.0	60.0	-8.36	-3.46	-0.02	-1.01e-03	0.03	-2.70
488	159	2.56	-0.03	-3.77e-05	-0.19	0.0	9.72	2.11	0.02	1.57e-03	-0.05	1.35
		1.35	-0.05	-4.48e-05	0.0	60.0	9.72	1.92	0.02	1.57e-03	-0.03	2.56
488	177	-1.05	-4.65e-03	2.16e-04	-0.19	0.0	-5.33	-4.37	0.01	8.56e-03	-0.01	-1.05
		-3.74	-0.01	2.09e-04	0.0	60.0	-5.33	-4.56	0.01	8.56e-03	-4.65e-03	-3.74
488	178	3.60	3.85e-03	-8.52e-05	-0.19	0.0	6.69	3.21	-0.02	-8.00e-03	3.85e-03	1.73
		1.73	-4.34e-03	-2.09e-04	0.0	60.0	6.69	3.02	-0.02	-8.00e-03	-4.34e-03	3.60
488	188	-0.64	0.04	1.65e-04	-0.19	0.0	-8.13	-3.15	-0.02	-1.04e-03	0.04	-0.64
		-2.58	0.02	4.11e-05	0.0	60.0	-8.13	-3.34	-0.02	-1.04e-03	0.02	-2.58
488	191	2.45	-0.03	-3.46e-05	-0.19	0.0	9.49	1.99	0.02	1.60e-03	-0.05	1.31
		1.31	-0.05	-4.15e-05	0.0	60.0	9.49	1.80	0.02	1.60e-03	-0.03	2.45
488	209	-1.26	-4.85e-03	2.36e-04	-0.19	0.0	-6.22	-4.93	0.02	9.88e-03	-0.01	-1.26
		-4.27	-0.01	2.44e-04	0.0	60.0	-6.22	-5.12	0.02	9.88e-03	-4.85e-03	-4.27
488	210	4.13	5.07e-03	-1.06e-04	-0.19	0.0	7.58	3.77	-0.02	-9.32e-03	5.07e-03	1.93
		1.93	-4.14e-03	-2.44e-04	0.0	60.0	7.58	3.58	-0.02	-9.32e-03	-4.14e-03	4.13
488	220	-0.78	0.05	1.80e-04	-0.19	0.0	-9.52	-3.54	-0.03	-1.32e-03	0.05	-0.78
		-2.96	0.03	4.63e-05	0.0	60.0	-9.52	-3.72	-0.03	-1.32e-03	0.03	-2.96
488	223	2.82	-0.04	-4.98e-05	-0.19	0.0	10.88	2.37	0.02	1.88e-03	-0.05	1.45
		1.45	-0.05	-4.67e-05	0.0	60.0	10.88	2.18	0.02	1.88e-03	-0.04	2.82
489	4	0.74	0.05	7.51e-05	-0.24	0.0	2.09	-0.18	-2.59e-04	-9.99e-03	0.05	0.74
		0.56	0.05	1.13e-05	0.0	60.0	2.09	-0.43	-2.59e-04	-9.99e-03	0.05	0.56
489	19	0.54	0.09	4.03e-06	-0.19	0.0	1.01	0.15	-3.87e-03	-4.48e-03	0.09	0.51
		0.51	0.09	1.06e-05	0.0	60.0	1.01	-0.04	-3.87e-03	-4.48e-03	0.09	0.54
489	32	0.57	-0.03	6.42e-05	-0.19	0.0	2.49	-0.17	4.04e-03	-8.06e-03	-0.03	0.57
		0.41	-0.03	1.44e-06	0.0	60.0	2.49	-0.36	4.04e-03	-8.06e-03	-0.03	0.41
489	44	0.71	-0.05	5.48e-05	-0.24	0.0	3.34	-0.07	5.45e-03	-8.84e-03	-0.05	0.71
		0.59	-0.05	-1.26e-06	0.0	60.0	3.34	-0.32	5.45e-03	-8.84e-03	-0.05	0.59
489	68	0.56	0.03	4.85e-05	-0.19	0.0	1.63	-0.09	-2.71e-05	-7.13e-03	0.03	0.56
		0.45	0.03	7.76e-06	0.0	60.0	1.63	-0.28	-2.71e-05	-7.13e-03	0.03	0.45
489	72	0.54	0.06	6.81e-06	-0.19	0.0	1.28	0.13	-2.08e-03	-4.66e-03	0.06	0.51
		0.51	0.06	8.04e-06	0.0	60.0	1.28	-0.05	-2.08e-03	-4.66e-03	0.06	0.53
489	80	0.55	-0.02	4.69e-05	-0.19	0.0	2.27	-0.08	3.19e-03	-7.04e-03	-0.02	0.55
		0.45	-0.02	1.75e-06	0.0	60.0	2.27	-0.27	3.19e-03	-7.04e-03	-0.02	0.45
489	88	0.54	-0.03	3.50e-05	-0.19	0.0	2.46	-0.02	3.78e-03	-6.36e-03	-0.04	0.54
		0.47	-0.04	0.0	0.0	60.0	2.46	-0.20	3.78e-03	-6.36e-03	-0.03	0.47
489	98	0.53	-3.08e-03	3.23e-05	-0.19	0.0	1.89	1.54e-03	1.80e-03	-6.09e-03	-4.16e-03	0.53
		0.48	-4.16e-03	3.77e-06	0.0	60.0	1.89	-0.19	1.80e-03	-6.09e-03	-3.08e-03	0.48
489	102	0.53	9.21e-03	5.70e-06	-0.19	0.0	1.70	0.14	6.94e-04	-4.59e-03	8.79e-03	0.50
		0.50	8.79e-03	3.67e-06	0.0	60.0	1.70	-0.05	6.94e-04	-4.59e-03	9.21e-03	0.53
489	105	0.53	-9.00e-03	2.82e-05	-0.19	0.0	1.99	0.02	2.12e-03	-5.86e-03	-0.01	0.53
		0.48	-0.01	2.68e-06	0.0	60.0	1.99	-0.17	2.12e-03	-5.86e-03	-9.00e-03	0.48
489	106	0.53	-2.48e-03	5.42e-06	-0.19	0.0	1.81	0.14	1.39e-03	-4.58e-03	-3.31e-03	0.50
		0.50	-3.31e-03	2.57e-06	0.0	60.0	1.81	-0.04	1.39e-03	-4.58e-03	-2.48e-03	0.53
489	107	0.53	-2.99e-03	2.85e-05	-0.19	0.0	1.88	0.02	1.74e-03	-5.87e-03	-4.04e-03	0.53
		0.48	-4.04e-03	3.60e-06	0.0	60.0	1.88	-0.17	1.74e-03	-5.87e-03	-2.99e-03	0.48
489	108	1.58	0.02	7.19e-05	-0.19	0.0	-1.72	-4.09	3.26e-03	1.74e-03	-7.18e-03	1.58
		-0.93	-7.18e-03	1.95e-04	0.0	60.0	-1.72	-4.28	3.26e-03	1.74e-03	0.02	-0.93
489	111	1.90	-8.96e-04	-1.50e-05	-0.19	0.0	5.47	4.13	2.29e-04	-0.01	-8.96e-04	-0.52
		-0.52	-0.02	-1.88e-04	0.0	60.0	5.47	3.94	2.29e-04	-0.01	-0.02	1.90
489	124	1.25	0.03	1.27e-04	-0.19	0.0	-2.29	-2.87	-0.02	-6.29e-03	0.03	1.25
		-0.53	0.03	5.53e-05	0.0	60.0	-2.29	-3.06	-0.02	-6.29e-03	0.03	-0.53
489	125	0.77	-0.03	-6.11e-05	-0.19	0.0	4.50	0.78	0.03	-3.64e-04	-0.05	0.36
		0.36	-0.05	6.81e-05	0.0	60.0	4.50	0.59	0.03	-3.64e-04	-0.03	0.77
489	126	0.70	0.04	1.18e-04	-0.19	0.0	-0.75	-0.73	-0.02	-0.01	0.04	0.70
		0.20	0.02	-6.10e-05	0.0	60.0	-0.75	-0.92	-0.02	-0.01	0.02	0.20
489	127	1.50	-0.03	-7.02e-05	-0.19	0.0	6.04	2.91	0.02	-5.46e-03	-0.04	-0.19
		-0.19	-0.04	-4.81e-05	0.0	60.0	6.04	2.73	0.02	-5.46e-03	-0.03	1.50
489	140	1.71	0.02	7.76e-05	-0.19	0.0	-2.16	-4.60	3.47e-03	2.70e-03	-7.60e-03	1.71
		-1.11	-7.60e-03	2.20e-04	0.0	60.0	-2.16	-4.79	3.47e-03	2.70e-03	0.02	-1.11
489	143	2.08	-4.75e-04	-2.07e-05	-0.19	0.0	5.91	4.65	1.82e-05	-0.01	-4.75e-04	-0.66
		-0.66	-0.02	-2.12e-04	0.0	60.0	5.91	4.46	1.82e-05	-0.01	-0.02	2.08
489	156	1.34	0.04	1.40e-04	-0.19	0.0	-2.81	-3.23	-0.02	-6.35e-03	0.04	1.34
		-0.66	0.03	6.14e-05	0.0	60.0	-2.81	-3.42	-0.02	-6.35e-03	0.03	-0.66
489	157	0.80	-0.03	-7.23e-05	-0.19	0.0	4.83	0.87	0.03	3.46e-04	-0.05	0.34
		0.34	-0.05	7.68e-05	0.0	60.0	4.83	0.68	0.03	3.46e-04	-0.03	0.80

489	158	0.72	0.05	1.29e-04	-0.19	0.0	-1.08	-0.82	-0.03	-0.01	0.05	0.72
		0.17	0.02	-6.96e-05	0.0	60.0	-1.08	-1.01	-0.03	-0.01	0.02	0.17
489	159	1.63	-0.04	-8.27e-05	-0.19	0.0	6.56	3.27	0.02	-5.40e-03	-0.04	-0.28
		-0.28	-0.04	-5.42e-05	0.0	60.0	6.56	3.08	0.02	-5.40e-03	-0.04	1.63
489	172	1.65	0.02	8.67e-05	-0.19	0.0	-2.00	-4.38	3.55e-03	2.69e-03	-7.51e-03	1.65
		-1.03	-7.51e-03	2.18e-04	0.0	60.0	-2.00	-4.56	3.55e-03	2.69e-03	0.02	-1.03
489	175	2.00	-5.65e-04	-2.98e-05	-0.19	0.0	5.75	4.42	-6.80e-05	-0.01	-5.65e-04	-0.60
		-0.60	-0.02	-2.10e-04	0.0	60.0	5.75	4.23	-6.80e-05	-0.01	-0.02	2.00
489	188	1.30	0.04	1.42e-04	-0.19	0.0	-2.71	-3.09	-0.02	-6.40e-03	0.04	1.30
		-0.61	0.03	5.78e-05	0.0	60.0	-2.71	-3.28	-0.02	-6.40e-03	0.03	-0.61
489	189	0.80	-0.03	-6.96e-05	-0.19	0.0	4.81	0.85	0.03	3.98e-04	-0.05	0.34
		0.34	-0.05	7.98e-05	0.0	60.0	4.81	0.66	0.03	3.98e-04	-0.03	0.80
489	190	0.71	0.05	1.27e-04	-0.19	0.0	-1.06	-0.81	-0.03	-0.01	0.05	0.71
		0.17	0.02	-7.26e-05	0.0	60.0	-1.06	-1.00	-0.03	-0.01	0.02	0.17
489	191	1.58	-0.04	-8.55e-05	-0.19	0.0	6.46	3.13	0.02	-5.35e-03	-0.04	-0.25
		-0.25	-0.04	-5.06e-05	0.0	60.0	6.46	2.95	0.02	-5.35e-03	-0.04	1.58
489	204	1.82	0.02	1.02e-04	-0.19	0.0	-2.58	-5.02	3.91e-03	4.18e-03	-8.06e-03	1.82
		-1.25	-8.06e-03	2.54e-04	0.0	60.0	-2.58	-5.20	3.91e-03	4.18e-03	0.02	-1.25
489	207	2.22	-1.32e-05	-4.48e-05	-0.19	0.0	6.33	5.06	-4.19e-04	-0.02	-1.32e-05	-0.77
		-0.77	-0.03	-2.47e-04	0.0	60.0	6.33	4.87	-4.19e-04	-0.02	-0.03	2.22
489	220	1.42	0.04	1.63e-04	-0.19	0.0	-3.43	-3.56	-0.02	-6.54e-03	0.04	1.42
		-0.77	0.04	6.48e-05	0.0	60.0	-3.43	-3.75	-0.02	-6.54e-03	0.04	-0.77
489	221	0.85	-0.03	-8.44e-05	-0.19	0.0	5.30	0.99	0.03	1.56e-03	-0.06	0.31
		0.31	-0.06	9.54e-05	0.0	60.0	5.30	0.80	0.03	1.56e-03	-0.03	0.85
489	222	0.74	0.05	1.41e-04	-0.19	0.0	-1.55	-0.94	-0.03	-0.01	0.05	0.74
		0.12	0.03	-8.82e-05	0.0	60.0	-1.55	-1.13	-0.03	-0.01	0.03	0.12
489	223	1.74	-0.04	-1.06e-04	-0.19	0.0	7.18	3.60	0.03	-5.20e-03	-0.05	-0.37
		-0.37	-0.05	-5.76e-05	0.0	60.0	7.18	3.41	0.03	-5.20e-03	-0.04	1.74
490	15	0.39	0.08	1.42e-04	-0.24	0.0	0.37	-0.90	-0.08	-6.29e-03	0.08	0.39
		-0.22	0.04	1.45e-05	0.0	60.0	0.37	-1.15	-0.08	-6.29e-03	0.04	-0.22
490	19	0.33	0.09	1.05e-04	-0.19	0.0	0.24	-0.66	-0.08	-4.49e-03	0.09	0.33
		-0.13	0.04	1.45e-05	0.0	60.0	0.24	-0.85	-0.08	-4.49e-03	0.04	-0.13
490	22	0.19	0.08	1.40e-04	-0.19	0.0	-0.04	-0.93	-0.08	-7.26e-03	0.08	0.19
		-0.42	0.03	1.52e-05	0.0	60.0	-0.04	-1.12	-0.08	-7.26e-03	0.03	-0.42
490	28	0.18	-0.03	1.84e-04	-0.24	0.0	0.50	-1.27	0.02	-9.86e-03	-0.04	0.18
		-0.65	-0.04	-5.97e-06	0.0	60.0	0.50	-1.52	0.02	-9.86e-03	-0.03	-0.65
490	41	0.37	-0.03	1.36e-04	-0.24	0.0	1.03	-0.89	0.04	-6.07e-03	-0.05	0.37
		-0.25	-0.05	-1.11e-05	0.0	60.0	1.03	-1.14	0.04	-6.07e-03	-0.03	-0.25
490	44	0.23	-0.04	1.70e-04	-0.24	0.0	0.75	-1.17	0.03	-8.85e-03	-0.06	0.23
		-0.54	-0.06	-1.05e-05	0.0	60.0	0.75	-1.41	0.03	-8.85e-03	-0.04	-0.54
490	72	0.31	0.06	1.07e-04	-0.19	0.0	0.33	-0.68	-0.05	-4.66e-03	0.06	0.31
		-0.15	0.02	9.57e-06	0.0	60.0	0.33	-0.87	-0.05	-4.66e-03	0.02	-0.15
490	75	0.22	0.05	1.30e-04	-0.19	0.0	0.14	-0.86	-0.06	-6.51e-03	0.05	0.22
		-0.35	0.02	1.00e-05	0.0	60.0	0.14	-1.05	-0.06	-6.51e-03	0.02	-0.35
490	80	0.17	-0.02	1.35e-04	-0.19	0.0	0.42	-0.92	0.01	-7.04e-03	-0.03	0.17
		-0.44	-0.03	-4.05e-06	0.0	60.0	0.42	-1.11	0.01	-7.04e-03	-0.02	-0.44
490	85	0.29	-0.02	1.03e-04	-0.19	0.0	0.78	-0.67	0.02	-4.51e-03	-0.04	0.29
		-0.17	-0.04	-7.50e-06	0.0	60.0	0.78	-0.86	0.02	-4.51e-03	-0.02	-0.17
490	88	0.20	-0.02	1.26e-04	-0.19	0.0	0.58	-0.85	0.02	-6.37e-03	-0.04	0.20
		-0.37	-0.04	-7.05e-06	0.0	60.0	0.58	-1.04	0.02	-6.37e-03	-0.02	-0.37
490	98	0.21	-6.88e-03	1.24e-04	-0.19	0.0	0.37	-0.84	-3.61e-03	-6.09e-03	-6.88e-03	0.21
		-0.34	-9.05e-03	0.0	0.0	60.0	0.37	-1.02	-3.61e-03	-6.09e-03	-9.05e-03	-0.34
490	102	0.30	6.89e-03	1.05e-04	-0.19	0.0	0.51	-0.67	-0.01	-4.60e-03	6.89e-03	0.30
		-0.16	-8.87e-04	1.59e-06	0.0	60.0	0.51	-0.86	-0.01	-4.60e-03	-8.87e-04	-0.16
490	103	0.23	5.53e-03	1.22e-04	-0.19	0.0	0.36	-0.81	-0.01	-5.89e-03	5.53e-03	0.23
		-0.32	-2.71e-03	1.91e-06	0.0	60.0	0.36	-1.00	-0.01	-5.89e-03	-2.71e-03	-0.32
490	104	0.30	-9.91e-03	1.04e-04	-0.19	0.0	0.60	-0.67	2.45e-03	-4.57e-03	-0.01	0.30
		-0.16	-0.01	-1.83e-06	0.0	60.0	0.60	-0.86	2.45e-03	-4.57e-03	-9.91e-03	-0.16
490	105	0.22	-0.01	1.21e-04	-0.19	0.0	0.44	-0.81	1.68e-03	-5.86e-03	-0.01	0.22
		-0.32	-0.01	-1.51e-06	0.0	60.0	0.44	-1.00	1.68e-03	-5.86e-03	-0.01	-0.32
490	106	0.30	-5.29e-03	1.04e-04	-0.19	0.0	0.55	-0.67	-2.72e-03	-4.58e-03	-5.29e-03	0.30
		-0.16	-6.92e-03	0.0	0.0	60.0	0.55	-0.86	-2.72e-03	-4.58e-03	-6.92e-03	-0.16
490	107	0.23	-6.65e-03	1.21e-04	-0.19	0.0	0.40	-0.81	-3.48e-03	-5.88e-03	-6.65e-03	0.23
		-0.32	-8.75e-03	0.0	0.0	60.0	0.40	-1.00	-3.48e-03	-5.88e-03	-8.75e-03	-0.32
490	108	-1.01	-0.02	1.77e-03	-0.19	0.0	-5.95	-4.14	2.13e-03	1.74e-03	-0.02	-1.01
		-3.55	-0.02	1.88e-04	0.0	60.0	-5.95	-4.33	2.13e-03	1.74e-03	-0.02	-3.55
490	111	2.91	8.14e-03	-1.53e-03	-0.19	0.0	6.75	2.51	-9.10e-03	-0.01	8.14e-03	1.46
		1.46	2.61e-03	-1.88e-04	0.0	60.0	6.75	2.32	-9.10e-03	-0.01	2.61e-03	2.91
490	113	-1.02	-0.03	1.76e-03	-0.19	0.0	-4.30	-4.17	0.02	1.71e-03	-0.04	-1.02
		-3.58	-0.04	1.90e-04	0.0	60.0	-4.30	-4.36	0.02	1.71e-03	-0.03	-3.58
490	114	2.94	0.02	-1.52e-03	-0.19	0.0	5.10	2.55	-0.02	-0.01	0.02	1.47
		1.47	9.79e-03	-1.90e-04	0.0	60.0	5.10	2.36	-0.02	-0.01	9.79e-03	2.94
490	125	0.43	-0.03	5.65e-04	-0.19	0.0	1.71	-0.30	0.03	-3.66e-04	-0.05	0.43
		0.20	-0.05	7.40e-05	0.0	60.0	1.71	-0.49	0.03	-3.66e-04	-0.03	0.20
490	126	0.02	0.03	-3.23e-04	-0.19	0.0	-0.92	-1.33	-0.04	-0.01	0.03	0.02

		-0.83	0.01	-7.41e-05	0.0	60.0	-0.92	-1.52	-0.04	-0.01	0.01	-0.83
490	140	-1.16	-0.02	1.97e-03	-0.19	0.0	-6.75	-4.55	2.86e-03	2.70e-03	-0.02	-1.16
		-3.95	-0.02	2.11e-04	0.0	60.0	-6.75	-4.74	2.86e-03	2.70e-03	-0.02	-3.95
490	143	3.32	0.01	-1.73e-03	-0.19	0.0	7.55	2.93	-9.83e-03	-0.01	0.01	1.62
		1.62	4.07e-03	-2.11e-04	0.0	60.0	7.55	2.74	-9.83e-03	-0.01	4.07e-03	3.32
490	145	-1.17	-0.03	1.97e-03	-0.19	0.0	-4.89	-4.59	0.02	2.67e-03	-0.04	-1.17
		-3.98	-0.04	2.14e-04	0.0	60.0	-4.89	-4.78	0.02	2.67e-03	-0.03	-3.98
490	146	3.35	0.03	-1.73e-03	-0.19	0.0	5.69	2.97	-0.03	-0.01	0.03	1.63
		1.63	0.01	-2.14e-04	0.0	60.0	5.69	2.78	-0.03	-0.01	0.01	3.35
490	157	0.45	-0.03	6.21e-04	-0.19	0.0	1.87	-0.24	0.04	3.44e-04	-0.05	0.45
		0.26	-0.05	8.38e-05	0.0	60.0	1.87	-0.42	0.04	3.44e-04	-0.03	0.26
490	158	-2.63e-03	0.04	-3.79e-04	-0.19	0.0	-1.07	-1.39	-0.04	-0.01	0.04	-2.63e-03
		-0.89	0.01	-8.39e-05	0.0	60.0	-1.07	-1.58	-0.04	-0.01	0.01	-0.89
490	172	-1.10	-0.02	1.90e-03	-0.19	0.0	-6.42	-4.38	2.88e-03	2.69e-03	-0.02	-1.10
		-3.78	-0.02	2.09e-04	0.0	60.0	-6.42	-4.56	2.88e-03	2.69e-03	-0.02	-3.78
490	175	3.14	0.01	-1.66e-03	-0.19	0.0	7.22	2.75	-9.85e-03	-0.01	0.01	1.55
		1.55	4.18e-03	-2.09e-04	0.0	60.0	7.22	2.56	-9.85e-03	-0.01	4.18e-03	3.14
490	177	-1.11	-0.03	1.89e-03	-0.19	0.0	-4.63	-4.42	0.02	2.66e-03	-0.04	-1.11
		-3.81	-0.04	2.12e-04	0.0	60.0	-4.63	-4.60	0.02	2.66e-03	-0.03	-3.81
490	178	3.18	0.03	-1.65e-03	-0.19	0.0	5.43	2.79	-0.03	-0.01	0.03	1.56
		1.56	0.01	-2.12e-04	0.0	60.0	5.43	2.60	-0.03	-0.01	0.01	3.18
490	189	0.45	-0.03	5.98e-04	-0.19	0.0	1.86	-0.25	0.03	3.97e-04	-0.05	0.45
		0.24	-0.05	8.66e-05	0.0	60.0	1.86	-0.44	0.03	3.97e-04	-0.03	0.24
490	190	3.05e-03	0.04	-3.56e-04	-0.19	0.0	-1.06	-1.37	-0.04	-0.01	0.04	3.05e-03
		-0.88	0.01	-8.68e-05	0.0	60.0	-1.06	-1.56	-0.04	-0.01	0.01	-0.88
490	204	-1.29	-0.02	2.17e-03	-0.19	0.0	-7.43	-4.90	4.02e-03	4.18e-03	-0.03	-1.29
		-4.28	-0.03	2.45e-04	0.0	60.0	-7.43	-5.09	4.02e-03	4.18e-03	-0.02	-4.28
490	207	3.65	0.01	-1.93e-03	-0.19	0.0	8.23	3.27	-0.01	-0.02	0.01	1.74
		1.74	6.48e-03	-2.45e-04	0.0	60.0	8.23	3.08	-0.01	-0.02	6.48e-03	3.65
490	209	-1.30	-0.03	2.16e-03	-0.19	0.0	-5.37	-4.95	0.02	4.15e-03	-0.05	-1.30
		-4.32	-0.05	2.49e-04	0.0	60.0	-5.37	-5.13	0.02	4.15e-03	-0.03	-4.32
490	210	3.69	0.03	-1.92e-03	-0.19	0.0	6.17	3.32	-0.03	-0.02	0.03	1.75
		1.75	0.02	-2.49e-04	0.0	60.0	6.17	3.13	-0.03	-0.02	0.02	3.69
490	221	0.49	-0.03	6.70e-04	-0.19	0.0	2.10	-0.16	0.04	1.56e-03	-0.06	0.49
		0.33	-0.06	1.04e-04	0.0	60.0	2.10	-0.35	0.04	1.56e-03	-0.03	0.33
490	222	-0.03	0.04	-4.28e-04	-0.19	0.0	-1.30	-1.47	-0.05	-0.01	0.04	-0.03
		-0.97	0.02	-1.04e-04	0.0	60.0	-1.30	-1.65	-0.05	-0.01	0.02	-0.97
491	4	0.99	0.12	-1.49e-04	-0.24	0.0	-3.63	0.37	0.02	6.69e-03	0.11	0.84
		0.84	0.11	1.76e-05	0.0	60.0	-3.63	0.13	0.02	6.69e-03	0.12	0.99
491	12	0.69	0.12	-8.14e-05	-0.19	0.0	-2.39	0.24	0.02	2.91e-03	0.10	0.60
		0.60	0.10	1.15e-05	0.0	60.0	-2.39	0.05	0.02	2.91e-03	0.12	0.69
491	18	0.97	0.19	-1.36e-04	-0.24	0.0	-3.53	0.35	0.04	6.01e-03	0.17	0.83
		0.83	0.17	1.88e-05	0.0	60.0	-3.53	0.11	0.04	6.01e-03	0.19	0.97
491	27	1.00	-0.04	-1.45e-04	-0.24	0.0	-3.46	0.37	-0.02	6.80e-03	-0.04	0.85
		0.85	-0.05	1.15e-05	0.0	60.0	-3.46	0.13	-0.02	6.80e-03	-0.05	1.00
491	45	0.71	-0.08	-7.32e-05	-0.19	0.0	-2.15	0.24	-0.02	3.19e-03	-0.08	0.61
		0.61	-0.09	4.15e-06	0.0	60.0	-2.15	0.06	-0.02	3.19e-03	-0.09	0.71
491	68	0.75	0.08	-1.08e-04	-0.19	0.0	-2.71	0.28	0.01	4.84e-03	0.07	0.64
		0.64	0.07	1.25e-05	0.0	60.0	-2.71	0.09	0.01	4.84e-03	0.08	0.75
491	69	0.70	0.08	-8.15e-05	-0.19	0.0	-2.38	0.24	0.02	3.14e-03	0.07	0.61
		0.61	0.07	1.01e-05	0.0	60.0	-2.38	0.06	0.02	3.14e-03	0.08	0.70
491	75	0.74	0.13	-9.95e-05	-0.19	0.0	-2.65	0.27	0.03	4.39e-03	0.11	0.63
		0.63	0.11	1.33e-05	0.0	60.0	-2.65	0.08	0.03	4.39e-03	0.13	0.74
491	79	0.76	-0.03	-1.05e-04	-0.19	0.0	-2.59	0.28	-0.01	4.91e-03	-0.03	0.65
		0.65	-0.04	8.44e-06	0.0	60.0	-2.59	0.09	-0.01	4.91e-03	-0.04	0.76
491	85	0.71	-0.05	-7.60e-05	-0.19	0.0	-2.22	0.25	-0.02	3.32e-03	-0.05	0.62
		0.62	-0.06	4.81e-06	0.0	60.0	-2.22	0.06	-0.02	3.32e-03	-0.06	0.71
491	98	0.74	3.91e-03	-9.68e-05	-0.19	0.0	-2.54	0.27	-1.84e-03	4.48e-03	3.91e-03	0.64
		0.64	2.80e-03	8.84e-06	0.0	60.0	-2.54	0.08	-1.84e-03	4.48e-03	2.80e-03	0.74
491	99	0.70	3.10e-03	-7.74e-05	-0.19	0.0	-2.31	0.24	-1.50e-03	3.33e-03	3.10e-03	0.61
		0.61	2.20e-03	7.04e-06	0.0	60.0	-2.31	0.06	-1.50e-03	3.33e-03	2.20e-03	0.70
491	103	0.74	0.03	-9.39e-05	-0.19	0.0	-2.53	0.26	3.78e-03	4.33e-03	0.03	0.63
		0.63	0.03	9.36e-06	0.0	60.0	-2.53	0.08	3.78e-03	4.33e-03	0.03	0.74
491	104	0.70	-7.98e-03	-7.64e-05	-0.19	0.0	-2.29	0.24	-4.27e-03	3.37e-03	-7.98e-03	0.61
		0.61	-0.01	6.46e-06	0.0	60.0	-2.29	0.06	-4.27e-03	3.37e-03	-0.01	0.70
491	106	0.70	3.03e-03	-7.65e-05	-0.19	0.0	-2.31	0.24	-1.46e-03	3.38e-03	3.03e-03	0.61
		0.61	2.15e-03	6.87e-06	0.0	60.0	-2.31	0.06	-1.46e-03	3.38e-03	2.15e-03	0.70
491	107	0.74	3.78e-03	-9.39e-05	-0.19	0.0	-2.51	0.26	-1.78e-03	4.32e-03	3.78e-03	0.63
		0.63	2.71e-03	8.56e-06	0.0	60.0	-2.51	0.08	-1.78e-03	4.32e-03	2.71e-03	0.74
491	108	0.29	-0.02	-1.20e-04	-0.19	0.0	-1.22	-0.24	0.01	9.86e-03	-0.03	0.29
		0.09	-0.03	3.33e-04	0.0	60.0	-1.22	-0.43	0.01	9.86e-03	-0.02	0.09
491	111	1.39	0.03	-6.77e-05	-0.19	0.0	-3.80	0.77	-0.01	-1.22e-03	0.03	0.98
		0.98	0.03	-3.16e-04	0.0	60.0	-3.80	0.58	-0.01	-1.22e-03	0.03	1.39
491	113	0.32	-0.06	-1.22e-04	-0.19	0.0	-0.69	-0.22	0.03	9.96e-03	-0.08	0.32
		0.13	-0.08	3.19e-04	0.0	60.0	-0.69	-0.41	0.03	9.96e-03	-0.06	0.13

491	114	1.34	0.09	-6.54e-05	-0.19	0.0	-4.33	0.75	-0.03	-1.31e-03	0.09	0.95
		0.95	0.07	-3.01e-04	0.0	60.0	-4.33	0.56	-0.03	-1.31e-03	0.07	1.34
491	133	0.44	-0.10	-9.11e-05	-0.19	0.0	-1.14	-0.07	0.04	3.86e-03	-0.12	0.44
		0.35	-0.12	3.49e-05	0.0	60.0	-1.14	-0.25	0.04	3.86e-03	-0.10	0.35
491	134	1.12	0.13	-9.66e-05	-0.19	0.0	-3.88	0.59	-0.04	4.79e-03	0.13	0.83
		0.83	0.10	-1.78e-05	0.0	60.0	-3.88	0.41	-0.04	4.79e-03	0.10	1.12
491	140	0.24	-0.02	-1.23e-04	-0.19	0.0	-1.06	-0.31	0.01	0.01	-0.03	0.24
	5.78e-03	-0.03	3.74e-04	0.0	60.0	-1.06	-0.49	0.01	0.01	-0.02	5.78e-03	
491	143	1.47	0.04	-6.44e-05	-0.19	0.0	-3.96	0.83	-0.02	-1.91e-03	0.04	1.02
		1.02	0.03	-3.57e-04	0.0	60.0	-3.96	0.65	-0.02	-1.91e-03	0.03	1.47
491	145	0.28	-0.07	-1.26e-04	-0.19	0.0	-0.47	-0.28	0.03	0.01	-0.09	0.28
		0.06	-0.09	3.57e-04	0.0	60.0	-0.47	-0.47	0.03	0.01	-0.07	0.06
491	146	1.42	0.10	-6.18e-05	-0.19	0.0	-4.55	0.81	-0.04	-2.02e-03	0.10	0.99
		0.99	0.08	-3.40e-04	0.0	60.0	-4.55	0.62	-0.04	-2.02e-03	0.08	1.42
491	165	0.42	-0.11	-9.07e-05	-0.19	0.0	-0.97	-0.11	0.05	3.79e-03	-0.14	0.42
		0.30	-0.14	3.76e-05	0.0	60.0	-0.97	-0.29	0.05	3.79e-03	-0.11	0.30
491	166	1.17	0.14	-9.70e-05	-0.19	0.0	-4.05	0.63	-0.05	4.85e-03	0.14	0.85
		0.85	0.11	-2.05e-05	0.0	60.0	-4.05	0.45	-0.05	4.85e-03	0.11	1.17
491	172	0.27	-0.02	-1.22e-04	-0.19	0.0	-1.14	-0.27	0.01	0.01	-0.03	0.27
		0.05	-0.03	3.66e-04	0.0	60.0	-1.14	-0.46	0.01	0.01	-0.02	0.05
491	175	1.43	0.04	-6.52e-05	-0.19	0.0	-3.88	0.80	-0.02	-1.82e-03	0.04	1.00
		1.00	0.03	-3.49e-04	0.0	60.0	-3.88	0.61	-0.02	-1.82e-03	0.03	1.43
491	177	0.30	-0.07	-1.25e-04	-0.19	0.0	-0.57	-0.25	0.03	0.01	-0.09	0.30
		0.10	-0.09	3.50e-04	0.0	60.0	-0.57	-0.44	0.03	0.01	-0.07	0.10
491	178	1.38	0.09	-6.27e-05	-0.19	0.0	-4.45	0.78	-0.03	-1.93e-03	0.09	0.97
		0.97	0.07	-3.33e-04	0.0	60.0	-4.45	0.59	-0.03	-1.93e-03	0.07	1.38
491	197	0.43	-0.11	-8.96e-05	-0.19	0.0	-1.03	-0.09	0.04	3.77e-03	-0.13	0.43
		0.33	-0.13	3.14e-05	0.0	60.0	-1.03	-0.27	0.04	3.77e-03	-0.11	0.33
491	198	1.15	0.14	-9.81e-05	-0.19	0.0	-3.99	0.61	-0.05	4.88e-03	0.14	0.84
		0.84	0.11	-1.43e-05	0.0	60.0	-3.99	0.43	-0.05	4.88e-03	0.11	1.15
491	204	0.21	-0.03	-1.27e-04	-0.19	0.0	-0.94	-0.35	0.01	0.01	-0.03	0.21
		-0.05	-0.03	4.24e-04	0.0	60.0	-0.94	-0.54	0.01	0.01	-0.03	-0.05
491	207	1.52	0.04	-6.06e-05	-0.19	0.0	-4.08	0.88	-0.02	-2.84e-03	0.04	1.06
		1.06	0.03	-4.07e-04	0.0	60.0	-4.08	0.69	-0.02	-2.84e-03	0.03	1.52
491	209	0.25	-0.08	-1.30e-04	-0.19	0.0	-0.28	-0.32	0.04	0.01	-0.10	0.25
	6.71e-03	-0.10	4.05e-04	0.0	60.0	-0.28	-0.51	0.04	0.01	-0.08	6.71e-03	
491	210	1.47	0.11	-5.77e-05	-0.19	0.0	-4.74	0.85	-0.04	-2.97e-03	0.11	1.01
		1.01	0.08	-3.88e-04	0.0	60.0	-4.74	0.66	-0.04	-2.97e-03	0.08	1.47
491	229	0.40	-0.12	-8.83e-05	-0.19	0.0	-0.80	-0.14	0.05	3.63e-03	-0.16	0.40
		0.27	-0.16	3.14e-05	0.0	60.0	-0.80	-0.32	0.05	3.63e-03	-0.12	0.27
491	230	1.20	0.16	-9.94e-05	-0.19	0.0	-4.22	0.66	-0.06	5.01e-03	0.16	0.87
		0.87	0.13	-1.43e-05	0.0	60.0	-4.22	0.48	-0.06	5.01e-03	0.13	1.20
492	4	0.62	0.09	-2.43e-05	-0.24	0.0	-1.41	-0.06	-0.09	6.69e-03	0.09	0.62
		0.51	0.04	2.55e-05	0.0	60.0	-1.41	-0.31	-0.09	6.69e-03	0.04	0.51
492	12	0.39	0.09	7.96e-06	-0.19	0.0	-0.69	-0.18	-0.09	2.91e-03	0.09	0.39
		0.23	0.04	1.85e-05	0.0	60.0	-0.69	-0.37	-0.09	2.91e-03	0.04	0.23
492	18	0.59	0.15	-1.41e-05	-0.24	0.0	-1.32	-0.11	-0.14	6.01e-03	0.15	0.59
		0.45	0.07	3.06e-05	0.0	60.0	-1.32	-0.35	-0.14	6.01e-03	0.07	0.45
492	27	0.65	-0.02	-1.69e-05	-0.24	0.0	-1.21	-0.05	0.04	6.80e-03	-0.04	0.65
		0.55	-0.04	1.02e-05	0.0	60.0	-1.21	-0.29	0.04	6.80e-03	-0.02	0.55
492	45	0.43	-0.03	2.10e-05	-0.19	0.0	-0.41	-0.15	0.07	3.19e-03	-0.07	0.43
		0.29	-0.07	0.0	0.0	60.0	-0.41	-0.33	0.07	3.19e-03	-0.03	0.29
492	68	0.47	0.06	-1.25e-05	-0.19	0.0	-1.00	-0.07	-0.06	4.84e-03	0.06	0.47
		0.37	0.03	1.79e-05	0.0	60.0	-1.00	-0.25	-0.06	4.84e-03	0.03	0.37
492	69	0.40	0.06	9.15e-06	-0.19	0.0	-0.68	-0.16	-0.06	3.14e-03	0.06	0.40
		0.25	0.03	1.51e-05	0.0	60.0	-0.68	-0.35	-0.06	3.14e-03	0.03	0.25
492	75	0.45	0.10	-5.75e-06	-0.19	0.0	-0.94	-0.09	-0.09	4.39e-03	0.10	0.45
		0.34	0.05	2.12e-05	0.0	60.0	-0.94	-0.28	-0.09	4.39e-03	0.05	0.34
492	79	0.49	-0.01	-7.57e-06	-0.19	0.0	-0.87	-0.05	0.03	4.91e-03	-0.03	0.49
		0.40	-0.03	7.63e-06	0.0	60.0	-0.87	-0.24	0.03	4.91e-03	-0.01	0.40
492	85	0.43	-0.02	1.78e-05	-0.19	0.0	-0.49	-0.14	0.05	3.32e-03	-0.05	0.43
		0.29	-0.05	2.27e-06	0.0	60.0	-0.49	-0.33	0.05	3.32e-03	-0.02	0.29
492	98	0.46	1.84e-03	-2.58e-06	-0.19	0.0	-0.83	-0.08	1.57e-04	4.48e-03	1.75e-03	0.46
		0.36	1.75e-03	9.98e-06	0.0	60.0	-0.83	-0.27	1.57e-04	4.48e-03	1.84e-03	0.36
492	99	0.42	1.56e-03	1.50e-05	-0.19	0.0	-0.60	-0.14	2.57e-04	3.33e-03	1.41e-03	0.42
		0.28	1.41e-03	7.93e-06	0.0	60.0	-0.60	-0.33	2.57e-04	3.33e-03	1.56e-03	0.28
492	103	0.46	0.02	-1.46e-06	-0.19	0.0	-0.81	-0.09	-0.02	4.33e-03	0.02	0.46
		0.35	0.01	1.18e-05	0.0	60.0	-0.81	-0.28	-0.02	4.33e-03	0.01	0.35
492	104	0.43	-2.86e-03	1.65e-05	-0.19	0.0	-0.57	-0.14	9.76e-03	3.37e-03	-8.72e-03	0.43
		0.29	-8.72e-03	6.65e-06	0.0	60.0	-0.57	-0.33	9.76e-03	3.37e-03	-2.86e-03	0.29
492	106	0.43	1.57e-03	1.62e-05	-0.19	0.0	-0.59	-0.14	2.74e-04	3.38e-03	1.40e-03	0.43
		0.29	1.40e-03	7.75e-06	0.0	60.0	-0.59	-0.33	2.74e-04	3.38e-03	1.57e-03	0.29
492	107	0.46	1.80e-03	1.35e-06	-0.19	0.0	-0.79	-0.09	1.74e-04	4.32e-03	1.70e-03	0.46
		0.35	1.70e-03	9.66e-06	0.0	60.0	-0.79	-0.27	1.74e-04	4.32e-03	1.80e-03	0.35
492	108	-0.14	-5.75e-03	3.02e-06	-0.19	0.0	0.74	-2.44	-0.04	9.86e-03	-0.01	-0.14

		-1.66	-0.01	3.31e-04	0.0	60.0	0.74	-2.63	-0.04	9.86e-03	-5.75e-03	-1.66
492	111	2.36	0.02	-5.50e-06	-0.19	0.0	-2.32	2.27	0.04	-1.22e-03	0.02	1.06
		1.06	9.35e-03	-3.12e-04	0.0	60.0	-2.32	2.08	0.04	-1.22e-03	9.35e-03	2.36
492	113	-0.10	-0.03	6.74e-06	-0.19	0.0	1.40	-2.42	-4.74e-03	9.96e-03	-0.06	-0.10
		-1.61	-0.06	3.21e-04	0.0	60.0	1.40	-2.61	-4.74e-03	9.96e-03	-0.03	-1.61
492	114	2.31	0.07	-8.37e-06	-0.19	0.0	-2.98	2.25	5.09e-03	-1.31e-03	0.07	1.02
		1.02	0.04	-3.02e-04	0.0	60.0	-2.98	2.06	5.09e-03	-1.31e-03	0.04	2.31
492	133	0.11	-0.06	3.61e-05	-0.19	0.0	1.15	-1.72	0.07	3.86e-03	-0.11	0.11
		-0.97	-0.11	4.17e-05	0.0	60.0	1.15	-1.91	0.07	3.86e-03	-0.06	-0.97
492	134	1.67	0.11	-3.34e-05	-0.19	0.0	-2.73	1.55	-0.07	4.79e-03	0.11	0.81
		0.81	0.07	-2.24e-05	0.0	60.0	-2.73	1.36	-0.07	4.79e-03	0.07	1.67
492	140	-0.21	-6.71e-03	3.51e-06	-0.19	0.0	0.93	-2.73	-0.05	0.01	-0.01	-0.21
		-1.91	-0.01	3.71e-04	0.0	60.0	0.93	-2.92	-0.05	0.01	-6.71e-03	-1.91
492	143	2.61	0.02	-6.00e-06	-0.19	0.0	-2.51	2.56	0.05	-1.91e-03	0.02	1.13
		1.13	0.01	-3.52e-04	0.0	60.0	-2.51	2.37	0.05	-1.91e-03	0.01	2.61
492	145	-0.17	-0.04	7.62e-06	-0.19	0.0	1.67	-2.71	-5.37e-03	0.01	-0.07	-0.17
		-1.85	-0.07	3.60e-04	0.0	60.0	1.67	-2.90	-5.37e-03	0.01	-0.04	-1.85
492	146	2.55	0.08	-9.25e-06	-0.19	0.0	-3.26	2.54	5.72e-03	-2.02e-03	0.08	1.09
		1.09	0.04	-3.41e-04	0.0	60.0	-3.26	2.35	5.72e-03	-2.02e-03	0.04	2.55
492	165	0.07	-0.07	4.06e-05	-0.19	0.0	1.39	-1.93	0.07	3.79e-03	-0.12	0.07
		-1.14	-0.12	4.52e-05	0.0	60.0	1.39	-2.11	0.07	3.79e-03	-0.07	-1.14
492	166	1.84	0.13	-3.78e-05	-0.19	0.0	-2.97	1.75	-0.07	4.85e-03	0.13	0.85
		0.85	0.07	-2.58e-05	0.0	60.0	-2.97	1.56	-0.07	4.85e-03	0.07	1.84
492	172	-0.18	-6.01e-03	2.38e-06	-0.19	0.0	0.83	-2.59	-0.05	0.01	-0.01	-0.18
		-1.79	-0.01	3.63e-04	0.0	60.0	0.83	-2.78	-0.05	0.01	-6.01e-03	-1.79
492	175	2.49	0.02	-4.99e-06	-0.19	0.0	-2.41	2.42	0.05	-1.82e-03	0.02	1.10
		1.10	9.62e-03	-3.44e-04	0.0	60.0	-2.41	2.23	0.05	-1.82e-03	9.62e-03	2.49
492	177	-0.14	-0.04	6.22e-06	-0.19	0.0	1.54	-2.57	-4.85e-03	0.01	-0.07	-0.14
		-1.73	-0.07	3.52e-04	0.0	60.0	1.54	-2.76	-4.85e-03	0.01	-0.04	-1.73
492	178	2.43	0.07	-8.09e-06	-0.19	0.0	-3.13	2.40	5.20e-03	-1.93e-03	0.07	1.05
		1.05	0.04	-3.33e-04	0.0	60.0	-3.13	2.21	5.20e-03	-1.93e-03	0.04	2.43
492	197	0.09	-0.07	4.08e-05	-0.19	0.0	1.32	-1.84	0.07	3.77e-03	-0.12	0.09
		-1.06	-0.12	3.87e-05	0.0	60.0	1.32	-2.03	0.07	3.77e-03	-0.07	-1.06
492	198	1.77	0.13	-3.81e-05	-0.19	0.0	-2.90	1.67	-0.07	4.88e-03	0.13	0.83
		0.83	0.07	-1.94e-05	0.0	60.0	-2.90	1.48	-0.07	4.88e-03	0.07	1.77
492	204	-0.27	-7.04e-03	-3.20e-06	-0.19	0.0	1.05	-2.95	-0.05	0.01	-0.01	-0.27
		-2.10	-0.01	4.21e-04	0.0	60.0	1.05	-3.14	-0.05	0.01	-7.04e-03	-2.10
492	207	2.80	0.02	5.90e-06	-0.19	0.0	-2.64	2.78	0.06	-2.84e-03	0.02	1.19
		1.19	0.01	-4.02e-04	0.0	60.0	-2.64	2.59	0.06	-2.84e-03	0.01	2.80
492	209	-0.22	-0.04	6.57e-06	-0.19	0.0	1.88	-2.92	-5.55e-03	0.01	-0.08	-0.22
		-2.03	-0.08	4.08e-04	0.0	60.0	1.88	-3.11	-5.55e-03	0.01	-0.04	-2.03
492	210	2.73	0.09	-8.58e-06	-0.19	0.0	-3.46	2.75	5.90e-03	-2.97e-03	0.09	1.14
		1.14	0.05	-3.89e-04	0.0	60.0	-3.46	2.56	5.90e-03	-2.97e-03	0.05	2.73
492	229	0.04	-0.08	4.76e-05	-0.19	0.0	1.64	-2.10	0.09	3.63e-03	-0.14	0.04
		-1.27	-0.14	3.98e-05	0.0	60.0	1.64	-2.29	0.09	3.63e-03	-0.08	-1.27
492	230	1.97	0.15	-4.49e-05	-0.19	0.0	-3.23	1.93	-0.08	5.01e-03	0.15	0.88
		0.88	0.08	-2.05e-05	0.0	60.0	-3.23	1.74	-0.08	5.01e-03	0.08	1.97
493	17	0.77	0.19	-3.94e-05	-0.24	0.0	-2.07	0.21	0.04	1.86e-04	0.17	0.71
		0.71	0.17	1.54e-05	0.0	60.0	-2.07	-0.03	0.04	1.86e-04	0.19	0.77
493	18	0.76	0.19	-3.80e-05	-0.24	0.0	-2.06	0.21	0.04	1.97e-04	0.17	0.71
		0.71	0.17	1.59e-05	0.0	60.0	-2.06	-0.04	0.04	1.97e-04	0.19	0.76
493	27	0.78	-0.05	-4.22e-05	-0.24	0.0	-1.67	0.22	-0.01	1.95e-04	-0.05	0.72
		0.72	-0.05	6.10e-06	0.0	60.0	-1.67	-0.02	-0.01	1.95e-04	-0.05	0.78
493	36	0.57	-0.05	-2.80e-05	-0.19	0.0	-1.09	0.17	-0.01	1.71e-04	-0.05	0.52
		0.52	-0.06	3.15e-06	0.0	60.0	-1.09	-0.02	-0.01	1.71e-04	-0.06	0.57
493	45	0.59	-0.08	-3.11e-05	-0.19	0.0	-0.99	0.19	-0.02	1.46e-04	-0.08	0.53
		0.53	-0.09	2.14e-06	0.0	60.0	-0.99	-3.06e-03	-0.02	1.46e-04	-0.09	0.59
493	46	0.58	-0.08	-2.98e-05	-0.19	0.0	-0.98	0.18	-0.02	1.57e-04	-0.08	0.53
		0.53	-0.09	2.40e-06	0.0	60.0	-0.98	-0.01	-0.02	1.57e-04	-0.09	0.58
493	74	0.59	0.13	-3.03e-05	-0.19	0.0	-1.55	0.17	0.03	1.44e-04	0.11	0.55
		0.55	0.11	1.08e-05	0.0	60.0	-1.55	-0.02	0.03	1.44e-04	0.13	0.59
493	75	0.58	0.13	-2.94e-05	-0.19	0.0	-1.54	0.16	0.03	1.52e-04	0.11	0.54
		0.54	0.11	1.11e-05	0.0	60.0	-1.54	-0.03	0.03	1.52e-04	0.13	0.58
493	79	0.60	-0.03	-3.21e-05	-0.19	0.0	-1.28	0.17	-8.99e-03	1.50e-04	-0.03	0.55
		0.55	-0.04	4.60e-06	0.0	60.0	-1.28	-0.02	-8.99e-03	1.50e-04	-0.04	0.60
493	81	0.57	-0.03	-2.87e-05	-0.19	0.0	-1.16	0.17	-9.02e-03	1.67e-04	-0.03	0.53
		0.53	-0.04	3.69e-06	0.0	60.0	-1.16	-0.02	-9.02e-03	1.67e-04	-0.04	0.57
493	85	0.59	-0.05	-3.08e-05	-0.19	0.0	-1.10	0.18	-0.01	1.50e-04	-0.05	0.53
		0.53	-0.06	2.44e-06	0.0	60.0	-1.10	-6.34e-03	-0.01	1.50e-04	-0.06	0.59
493	86	0.58	-0.05	-2.99e-05	-0.19	0.0	-1.09	0.18	-0.01	1.57e-04	-0.05	0.53
		0.53	-0.06	2.66e-06	0.0	60.0	-1.09	-0.01	-0.01	1.57e-04	-0.06	0.58
493	98	0.59	2.04e-03	-3.12e-05	-0.19	0.0	-1.37	0.17	-1.57e-04	1.54e-04	2.04e-03	0.55
		0.55	1.95e-03	5.93e-06	0.0	60.0	-1.37	-0.02	-1.57e-04	1.54e-04	1.95e-03	0.59
493	99	0.58	1.64e-03	-2.97e-05	-0.19	0.0	-1.29	0.18	-1.76e-04	1.58e-04	1.64e-03	0.53
		0.53	1.53e-03	4.96e-06	0.0	60.0	-1.29	-0.01	-1.76e-04	1.58e-04	1.53e-03	0.58

493	103	0.59	0.03	-3.09e-05	-0.19	0.0	-1.39	0.17	5.71e-03	1.52e-04	0.02	0.54
		0.54	0.02	6.74e-06	0.0	60.0	-1.39	-0.02	5.71e-03	1.52e-04	0.03	0.59
493	104	0.58	-9.44e-03	-3.02e-05	-0.19	0.0	-1.25	0.18	-3.13e-03	1.54e-04	-9.44e-03	0.53
		0.53	-0.01	4.23e-06	0.0	60.0	-1.25	-9.90e-03	-3.13e-03	1.54e-04	-0.01	0.58
493	106	0.58	1.62e-03	-3.01e-05	-0.19	0.0	-1.29	0.18	-1.77e-04	1.55e-04	1.62e-03	0.53
		0.53	1.52e-03	4.83e-06	0.0	60.0	-1.29	-0.01	-1.77e-04	1.55e-04	1.52e-03	0.58
493	107	0.59	1.98e-03	-3.11e-05	-0.19	0.0	-1.36	0.17	-1.60e-04	1.54e-04	1.98e-03	0.54
		0.54	1.89e-03	5.77e-06	0.0	60.0	-1.36	-0.02	-1.60e-04	1.54e-04	1.89e-03	0.59
493	108	0.32	0.02	-5.73e-06	-0.19	0.0	-0.74	-0.37	-0.01	6.40e-03	0.02	0.32
		0.04	0.02	3.24e-04	0.0	60.0	-0.74	-0.56	-0.01	6.40e-03	0.02	0.04
493	111	1.14	-0.01	-5.64e-05	-0.19	0.0	-1.97	0.71	0.01	-6.09e-03	-0.01	0.77
		0.77	-0.01	-3.12e-04	0.0	60.0	-1.97	0.52	0.01	-6.09e-03	-0.01	1.14
493	133	0.42	-0.07	-1.23e-05	-0.19	0.0	0.47	-0.18	0.03	-7.39e-04	-0.09	0.42
		0.26	-0.09	4.41e-05	0.0	60.0	0.47	-0.37	0.03	-7.39e-04	-0.07	0.26
493	134	0.92	0.09	-4.99e-05	-0.19	0.0	-3.18	0.52	-0.03	1.05e-03	0.09	0.67
		0.67	0.08	-3.25e-05	0.0	60.0	-3.18	0.34	-0.03	1.05e-03	0.08	0.92
493	140	0.29	0.02	-2.74e-06	-0.19	0.0	-0.66	-0.44	-0.02	7.18e-03	0.02	0.29
		-0.03	0.02	3.64e-04	0.0	60.0	-0.66	-0.62	-0.02	7.18e-03	0.02	-0.03
493	143	1.21	-0.02	-5.94e-05	-0.19	0.0	-2.05	0.78	0.01	-6.88e-03	-0.02	0.80
		0.80	-0.02	-3.52e-04	0.0	60.0	-2.05	0.59	0.01	-6.88e-03	-0.02	1.21
493	165	0.40	-0.08	-9.89e-06	-0.19	0.0	0.70	-0.22	0.03	-8.57e-04	-0.10	0.40
		0.22	-0.10	4.84e-05	0.0	60.0	0.70	-0.41	0.03	-8.57e-04	-0.08	0.22
493	166	0.96	0.11	-5.23e-05	-0.19	0.0	-3.41	0.57	-0.03	1.17e-03	0.11	0.69
		0.69	0.08	-3.69e-05	0.0	60.0	-3.41	0.38	-0.03	1.17e-03	0.08	0.96
493	172	0.30	0.02	-8.35e-06	-0.19	0.0	-0.70	-0.40	-0.01	7.00e-03	0.02	0.30
		7.13e-03	0.02	3.56e-04	0.0	60.0	-0.70	-0.59	-0.01	7.00e-03	0.02	7.13e-03
493	175	1.17	-0.02	-5.38e-05	-0.19	0.0	-2.01	0.74	0.01	-6.69e-03	-0.02	0.79
		0.79	-0.02	-3.45e-04	0.0	60.0	-2.01	0.56	0.01	-6.69e-03	-0.02	1.17
493	197	0.41	-0.08	-1.05e-05	-0.19	0.0	0.65	-0.20	0.03	-8.83e-04	-0.10	0.41
		0.24	-0.10	4.16e-05	0.0	60.0	0.65	-0.39	0.03	-8.83e-04	-0.08	0.24
493	198	0.94	0.10	-5.17e-05	-0.19	0.0	-3.36	0.54	-0.03	1.19e-03	0.10	0.67
		0.67	0.08	-3.01e-05	0.0	60.0	-3.36	0.36	-0.03	1.19e-03	0.08	0.94
493	204	0.27	0.02	-7.57e-06	-0.19	0.0	-0.61	-0.48	-0.02	8.10e-03	0.02	0.27
		-0.07	0.02	4.13e-04	0.0	60.0	-0.61	-0.67	-0.02	8.10e-03	0.02	-0.07
493	207	1.26	-0.02	-5.46e-05	-0.19	0.0	-2.10	0.82	0.02	-7.79e-03	-0.02	0.82
		0.82	-0.02	-4.02e-04	0.0	60.0	-2.10	0.64	0.02	-7.79e-03	-0.02	1.26
493	229	0.40	-0.09	-7.34e-06	-0.19	0.0	0.97	-0.25	0.04	-1.11e-03	-0.12	0.40
		0.19	-0.12	4.42e-05	0.0	60.0	0.97	-0.44	0.04	-1.11e-03	-0.09	0.19
493	230	0.99	0.12	-5.48e-05	-0.19	0.0	-3.68	0.60	-0.04	1.42e-03	0.12	0.69
		0.69	0.10	-3.26e-05	0.0	60.0	-3.68	0.41	-0.04	1.42e-03	0.10	0.99
494	14	0.33	0.09	6.40e-05	-0.19	0.0	-0.41	-0.49	-0.09	1.65e-04	0.09	0.33
		-0.02	0.04	1.90e-05	0.0	60.0	-0.41	-0.68	-0.09	1.65e-04	0.04	-0.02
494	17	0.46	0.15	8.15e-05	-0.24	0.0	-0.65	-0.53	-0.14	1.84e-04	0.15	0.46
		0.07	0.07	2.71e-05	0.0	60.0	-0.65	-0.78	-0.14	1.84e-04	0.07	0.07
494	27	0.50	-0.02	8.30e-05	-0.24	0.0	-0.24	-0.53	0.04	1.93e-04	-0.04	0.50
		0.10	-0.04	4.57e-06	0.0	60.0	-0.24	-0.78	0.04	1.93e-04	-0.02	0.10
494	46	0.35	-0.03	5.95e-05	-0.19	0.0	0.16	-0.37	0.07	1.56e-04	-0.07	0.35
		0.07	-0.07	-3.70e-06	0.0	60.0	0.16	-0.56	0.07	1.56e-04	-0.03	0.07
494	71	0.34	0.06	6.26e-05	-0.19	0.0	-0.34	-0.45	-0.06	1.62e-04	0.06	0.34
		0.01	0.03	1.47e-05	0.0	60.0	-0.34	-0.64	-0.06	1.62e-04	0.03	0.01
494	74	0.36	0.10	6.20e-05	-0.19	0.0	-0.45	-0.40	-0.10	1.43e-04	0.10	0.36
		0.06	0.04	1.87e-05	0.0	60.0	-0.45	-0.59	-0.10	1.43e-04	0.04	0.06
494	79	0.38	-0.01	6.30e-05	-0.19	0.0	-0.18	-0.40	0.03	1.49e-04	-0.03	0.38
		0.08	-0.03	3.68e-06	0.0	60.0	-0.18	-0.58	0.03	1.49e-04	-0.01	0.08
494	86	0.35	-0.02	5.96e-05	-0.19	0.0	0.04	-0.37	0.05	1.56e-04	-0.05	0.35
		0.07	-0.05	0.0	0.0	60.0	0.04	-0.56	0.05	1.56e-04	-0.02	0.07
494	98	0.37	1.31e-03	6.18e-05	-0.19	0.0	-0.27	-0.39	-9.15e-04	1.53e-04	1.31e-03	0.37
		0.08	7.62e-04	6.98e-06	0.0	60.0	-0.27	-0.57	-9.15e-04	1.53e-04	7.62e-04	0.08
494	101	0.36	1.28e-03	6.16e-05	-0.19	0.0	-0.25	-0.39	-8.95e-04	1.56e-04	1.28e-03	0.36
		0.07	7.40e-04	6.93e-06	0.0	60.0	-0.25	-0.58	-8.95e-04	1.56e-04	7.40e-04	0.07
494	103	0.36	0.02	6.15e-05	-0.19	0.0	-0.29	-0.38	-0.02	1.51e-04	0.02	0.36
		0.08	9.59e-03	9.13e-06	0.0	60.0	-0.29	-0.57	-0.02	1.51e-04	9.59e-03	0.08
494	104	0.35	-3.62e-03	5.92e-05	-0.19	0.0	-0.14	-0.35	9.00e-03	1.53e-04	-9.02e-03	0.35
		0.09	-9.02e-03	4.36e-06	0.0	60.0	-0.14	-0.54	9.00e-03	1.53e-04	-3.62e-03	0.09
494	106	0.35	1.10e-03	5.92e-05	-0.19	0.0	-0.18	-0.35	-5.10e-04	1.54e-04	1.10e-03	0.35
		0.09	7.98e-04	5.65e-06	0.0	60.0	-0.18	-0.54	-5.10e-04	1.54e-04	7.98e-04	0.09
494	107	0.37	1.28e-03	6.14e-05	-0.19	0.0	-0.25	-0.38	-8.57e-04	1.53e-04	1.28e-03	0.37
		0.08	7.67e-04	6.79e-06	0.0	60.0	-0.25	-0.57	-8.57e-04	1.53e-04	7.67e-04	0.08
494	108	-0.25	0.02	1.63e-04	-0.19	0.0	1.80	-2.91	-0.03	6.40e-03	0.02	-0.25
		-2.05	9.66e-03	3.22e-04	0.0	60.0	1.80	-3.10	-0.03	6.40e-03	9.66e-03	-2.05
494	111	2.21	-8.12e-03	-4.05e-05	-0.19	0.0	-2.30	2.15	0.02	-6.09e-03	-0.02	0.98
		0.98	-0.02	-3.09e-04	0.0	60.0	-2.30	1.96	0.02	-6.09e-03	-8.12e-03	2.21
494	113	-0.21	-0.02	1.63e-04	-0.19	0.0	2.74	-2.87	0.01	6.41e-03	-0.03	-0.21
		-1.99	-0.03	3.21e-04	0.0	60.0	2.74	-3.06	0.01	6.41e-03	-0.02	-1.99
494	114	2.15	0.03	-4.03e-05	-0.19	0.0	-3.25	2.11	-0.01	-6.10e-03	0.03	0.94

		0.94	0.02	-3.08e-04	0.0	60.0	-3.25	1.92	-0.01	-6.10e-03	0.02	2.15
494	125	0.59	-0.05	5.10e-05	-0.19	0.0	1.32	0.17	0.06	5.38e-03	-0.09	0.55
		0.55	-0.09	1.57e-04	0.0	60.0	1.32	-0.02	0.06	5.38e-03	-0.05	0.59
494	126	0.18	0.09	7.19e-05	-0.19	0.0	-1.83	-0.93	-0.07	-5.08e-03	0.09	0.18
		-0.43	0.05	-1.43e-04	0.0	60.0	-1.83	-1.12	-0.07	-5.08e-03	0.05	-0.43
494	140	-0.33	0.02	1.76e-04	-0.19	0.0	2.05	-3.22	-0.03	7.18e-03	0.02	-0.33
		-2.31	0.01	3.62e-04	0.0	60.0	2.05	-3.41	-0.03	7.18e-03	0.01	-2.31
494	143	2.48	-9.23e-03	-5.31e-05	-0.19	0.0	-2.56	2.46	0.03	-6.88e-03	-0.02	1.06
		1.06	-0.02	-3.48e-04	0.0	60.0	-2.56	2.27	0.03	-6.88e-03	-9.23e-03	2.48
494	145	-0.28	-0.02	1.76e-04	-0.19	0.0	3.12	-3.18	0.01	7.19e-03	-0.04	-0.28
		-2.25	-0.04	3.61e-04	0.0	60.0	3.12	-3.37	0.01	7.19e-03	-0.02	-2.25
494	146	2.41	0.04	-5.30e-05	-0.19	0.0	-3.62	2.42	-0.02	-6.89e-03	0.04	1.01
		1.01	0.02	-3.47e-04	0.0	60.0	-3.62	2.23	-0.02	-6.89e-03	0.02	2.41
494	157	0.66	-0.06	4.96e-05	-0.19	0.0	1.51	0.24	0.07	6.05e-03	-0.10	0.57
		0.57	-0.10	1.76e-04	0.0	60.0	1.51	0.05	0.07	6.05e-03	-0.06	0.66
494	158	0.16	0.10	7.33e-05	-0.19	0.0	-2.02	-1.00	-0.07	-5.74e-03	0.10	0.16
		-0.50	0.06	-1.63e-04	0.0	60.0	-2.02	-1.19	-0.07	-5.74e-03	0.06	-0.50
494	172	-0.29	0.02	1.68e-04	-0.19	0.0	1.95	-3.07	-0.03	7.00e-03	0.02	-0.29
		-2.19	0.01	3.54e-04	0.0	60.0	1.95	-3.26	-0.03	7.00e-03	0.01	-2.19
494	175	2.35	-9.13e-03	-4.53e-05	-0.19	0.0	-2.46	2.31	0.03	-6.69e-03	-0.02	1.02
		1.02	-0.02	-3.40e-04	0.0	60.0	-2.46	2.12	0.03	-6.69e-03	-9.13e-03	2.35
494	189	0.65	-0.06	4.70e-05	-0.19	0.0	1.36	0.23	0.07	5.95e-03	-0.10	0.57
		0.57	-0.10	1.79e-04	0.0	60.0	1.36	0.04	0.07	5.95e-03	-0.06	0.65
494	190	0.16	0.10	7.59e-05	-0.19	0.0	-1.86	-0.99	-0.07	-5.64e-03	0.10	0.16
		-0.49	0.06	-1.66e-04	0.0	60.0	-1.86	-1.18	-0.07	-5.64e-03	0.06	-0.49
494	197	-0.02	-0.05	1.33e-04	-0.19	0.0	3.00	-2.22	0.06	-8.86e-04	-0.09	-0.02
		-1.41	-0.09	5.12e-05	0.0	60.0	3.00	-2.41	0.06	-8.86e-04	-0.05	-1.41
494	198	1.57	0.10	-1.15e-05	-0.19	0.0	-3.51	1.46	-0.07	1.19e-03	0.10	0.75
		0.75	0.05	-3.77e-05	0.0	60.0	-3.51	1.27	-0.07	1.19e-03	0.05	1.57
494	204	-0.38	0.03	1.82e-04	-0.19	0.0	2.28	-3.45	-0.03	8.09e-03	0.03	-0.38
		-2.51	0.01	4.11e-04	0.0	60.0	2.28	-3.64	-0.03	8.09e-03	0.01	-2.51
494	207	2.67	-0.01	-5.93e-05	-0.19	0.0	-2.79	2.69	0.03	-7.79e-03	-0.02	1.11
		1.11	-0.02	-3.97e-04	0.0	60.0	-2.79	2.51	0.03	-7.79e-03	-0.01	2.67
494	221	0.75	-0.06	4.32e-05	-0.19	0.0	1.57	0.33	0.08	6.95e-03	-0.12	0.61
		0.61	-0.12	2.11e-04	0.0	60.0	1.57	0.14	0.08	6.95e-03	-0.06	0.75
494	222	0.12	0.12	7.97e-05	-0.19	0.0	-2.07	-1.09	-0.08	-6.64e-03	0.12	0.12
		-0.59	0.07	-1.98e-04	0.0	60.0	-2.07	-1.28	-0.08	-6.64e-03	0.07	-0.59
494	229	-0.08	-0.06	1.45e-04	-0.19	0.0	3.51	-2.49	0.08	-1.11e-03	-0.11	-0.08
		-1.62	-0.11	5.54e-05	0.0	60.0	3.51	-2.68	0.08	-1.11e-03	-0.06	-1.62
494	230	1.79	0.11	-2.20e-05	-0.19	0.0	-4.02	1.73	-0.08	1.42e-03	0.11	0.81
		0.81	0.06	-4.19e-05	0.0	60.0	-4.02	1.54	-0.08	1.42e-03	0.06	1.79
495	14	0.46	0.12	4.45e-05	-0.19	0.0	-1.02	0.03	0.03	2.04e-03	0.10	0.46
		0.43	0.10	7.75e-06	0.0	60.0	-1.02	-0.15	0.03	2.04e-03	0.12	0.43
495	15	0.67	0.19	1.51e-05	-0.24	0.0	-1.67	0.14	0.04	0.01	0.17	0.64
		0.64	0.17	1.26e-05	0.0	60.0	-1.67	-0.11	0.04	0.01	0.19	0.65
495	18	0.63	0.20	4.68e-05	-0.24	0.0	-1.46	0.07	0.04	7.02e-03	0.17	0.62
		0.59	0.17	1.22e-05	0.0	60.0	-1.46	-0.17	0.04	7.02e-03	0.20	0.59
495	38	0.47	-0.05	4.08e-05	-0.19	0.0	-0.87	0.04	-0.01	-0.01	-0.05	0.46
		0.43	-0.06	-1.26e-06	0.0	60.0	-0.87	-0.14	-0.01	-0.01	-0.06	0.43
495	41	0.68	-0.08	8.96e-06	-0.24	0.0	-1.42	0.16	-0.02	-0.02	-0.08	0.65
		0.65	-0.09	-2.39e-06	0.0	60.0	-1.42	-0.09	-0.02	-0.02	-0.09	0.67
495	45	0.53	-0.08	1.89e-06	-0.19	0.0	-1.08	0.13	-0.02	-0.02	-0.08	0.50
		0.50	-0.09	-3.22e-06	0.0	60.0	-1.08	-0.06	-0.02	-0.02	-0.09	0.52
495	71	0.48	0.08	3.37e-05	-0.19	0.0	-1.07	0.06	0.02	-9.73e-04	0.07	0.47
		0.45	0.07	6.13e-06	0.0	60.0	-1.07	-0.13	0.02	-9.73e-04	0.08	0.45
495	72	0.52	0.13	9.43e-06	-0.19	0.0	-1.28	0.11	0.03	6.07e-03	0.11	0.50
		0.50	0.11	8.83e-06	0.0	60.0	-1.28	-0.08	0.03	6.07e-03	0.13	0.51
495	75	0.49	0.13	3.06e-05	-0.19	0.0	-1.15	0.07	0.03	3.96e-03	0.11	0.48
		0.46	0.11	8.53e-06	0.0	60.0	-1.15	-0.12	0.03	3.96e-03	0.13	0.46
495	83	0.48	-0.03	3.13e-05	-0.19	0.0	-0.97	0.07	-8.95e-03	-0.01	-0.03	0.47
		0.46	-0.04	0.0	0.0	60.0	-0.97	-0.12	-8.95e-03	-0.01	-0.04	0.46
495	85	0.52	-0.05	5.32e-06	-0.19	0.0	-1.12	0.12	-0.01	-0.01	-0.05	0.50
		0.50	-0.06	-1.18e-06	0.0	60.0	-1.12	-0.07	-0.01	-0.01	-0.06	0.52
495	101	0.50	1.97e-03	2.36e-05	-0.19	0.0	-1.11	0.08	-5.94e-05	-8.38e-03	1.97e-03	0.49
		0.48	1.93e-03	2.71e-06	0.0	60.0	-1.11	-0.11	-5.94e-05	-8.38e-03	1.93e-03	0.48
495	102	0.52	0.03	7.73e-06	-0.19	0.0	-1.22	0.12	5.80e-03	-4.00e-03	0.02	0.50
		0.50	0.02	4.12e-06	0.0	60.0	-1.22	-0.07	5.80e-03	-4.00e-03	0.03	0.51
495	103	0.50	0.03	2.24e-05	-0.19	0.0	-1.14	0.09	5.83e-03	-5.90e-03	0.02	0.49
		0.48	0.02	3.91e-06	0.0	60.0	-1.14	-0.10	5.83e-03	-5.90e-03	0.03	0.48
495	104	0.52	-9.42e-03	6.91e-06	-0.19	0.0	-1.19	0.12	-3.04e-03	-7.78e-03	-9.42e-03	0.50
		0.50	-0.01	2.12e-06	0.0	60.0	-1.19	-0.07	-3.04e-03	-7.78e-03	-0.01	0.51
495	105	0.50	-9.11e-03	2.16e-05	-0.19	0.0	-1.11	0.09	-3.01e-03	-9.67e-03	-9.11e-03	0.49
		0.49	-0.01	1.91e-06	0.0	60.0	-1.11	-0.10	-3.01e-03	-9.67e-03	-0.01	0.49
495	106	0.52	1.64e-03	7.31e-06	-0.19	0.0	-1.21	0.12	-8.11e-05	-6.52e-03	1.64e-03	0.50
		0.50	1.59e-03	2.95e-06	0.0	60.0	-1.21	-0.07	-8.11e-05	-6.52e-03	1.59e-03	0.51

495	107	0.50	1.96e-03	2.20e-05	-0.19	0.0	-1.13	0.09	-5.39e-05	-8.42e-03	1.96e-03	0.49
		0.49	1.93e-03	2.73e-06	0.0	60.0	-1.13	-0.10	-5.39e-05	-8.42e-03	1.93e-03	0.49
495	108	0.25	-1.62e-03	-2.54e-05	-0.19	0.0	-0.10	-0.38	-0.02	-4.39e-03	-1.62e-03	0.25
		-0.04	-2.57e-03	3.11e-04	0.0	60.0	-0.10	-0.57	-0.02	-4.39e-03	-2.57e-03	-0.04
495	111	1.01	6.42e-03	6.94e-05	-0.19	0.0	-2.15	0.55	0.02	-0.01	5.53e-03	0.73
		0.73	5.53e-03	-3.05e-04	0.0	60.0	-2.15	0.37	0.02	-0.01	6.42e-03	1.01
495	113	0.27	-0.05	-3.53e-05	-0.19	0.0	0.31	-0.25	-7.70e-04	-9.27e-03	-0.05	0.27
		0.11	-0.05	3.14e-04	0.0	60.0	0.31	-0.43	-7.70e-04	-9.27e-03	-0.05	0.11
495	114	0.86	0.06	7.93e-05	-0.19	0.0	-2.56	0.42	6.62e-04	-7.56e-03	0.06	0.71
		0.71	0.05	-3.09e-04	0.0	60.0	-2.56	0.23	6.62e-04	-7.56e-03	0.05	0.86
495	125	0.68	-0.09	-2.26e-05	-0.19	0.0	-0.33	0.24	0.03	-0.02	-0.11	0.60
		0.60	-0.11	1.54e-04	0.0	60.0	-0.33	0.05	0.03	-0.02	-0.09	0.68
495	126	0.38	0.12	6.66e-05	-0.19	0.0	-1.93	-0.06	-0.03	-8.87e-04	0.12	0.38
		0.29	0.10	-1.48e-04	0.0	60.0	-1.93	-0.25	-0.03	-8.87e-04	0.10	0.29
495	140	0.22	-2.05e-03	-3.14e-05	-0.19	0.0	0.03	-0.44	-0.02	-3.89e-03	-2.05e-03	0.22
		-0.10	-3.12e-03	3.50e-04	0.0	60.0	0.03	-0.63	-0.02	-3.89e-03	-3.12e-03	-0.10
495	143	1.07	6.98e-03	7.53e-05	-0.19	0.0	-2.28	0.61	0.02	-0.01	5.97e-03	0.76
		0.76	5.97e-03	-3.44e-04	0.0	60.0	-2.28	0.42	0.02	-0.01	6.98e-03	1.07
495	145	0.25	-0.05	-4.25e-05	-0.19	0.0	0.49	-0.29	-8.58e-04	-9.38e-03	-0.06	0.25
		0.07	-0.06	3.53e-04	0.0	60.0	0.49	-0.48	-8.58e-04	-9.38e-03	-0.05	0.07
495	146	0.90	0.07	8.65e-05	-0.19	0.0	-2.74	0.46	7.50e-04	-7.45e-03	0.07	0.73
		0.73	0.06	-3.48e-04	0.0	60.0	-2.74	0.27	7.50e-04	-7.45e-03	0.06	0.90
495	157	0.71	-0.10	-2.83e-05	-0.19	0.0	-0.23	0.26	0.03	-0.02	-0.13	0.61
		0.61	-0.13	1.73e-04	0.0	60.0	-0.23	0.07	0.03	-0.02	-0.10	0.71
495	158	0.37	0.13	7.23e-05	-0.19	0.0	-2.02	-0.08	-0.03	4.76e-05	0.13	0.37
		0.26	0.11	-1.68e-04	0.0	60.0	-2.02	-0.27	-0.03	4.76e-05	0.11	0.26
495	172	0.23	-9.05e-04	-2.96e-05	-0.19	0.0	-0.03	-0.41	-0.02	-4.01e-03	-9.05e-04	0.23
		-0.07	-2.14e-03	3.42e-04	0.0	60.0	-0.03	-0.59	-0.02	-4.01e-03	-2.14e-03	-0.07
495	175	1.04	5.99e-03	7.36e-05	-0.19	0.0	-2.22	0.58	0.02	-0.01	4.82e-03	0.75
		0.75	4.82e-03	-3.36e-04	0.0	60.0	-2.22	0.39	0.02	-0.01	5.99e-03	1.04
495	177	0.26	-0.05	-4.05e-05	-0.19	0.0	0.41	-0.26	-6.23e-04	-9.41e-03	-0.06	0.26
		0.09	-0.06	3.46e-04	0.0	60.0	0.41	-0.45	-6.23e-04	-9.41e-03	-0.05	0.09
495	178	0.88	0.06	8.45e-05	-0.19	0.0	-2.66	0.44	5.15e-04	-7.42e-03	0.06	0.71
		0.71	0.05	-3.40e-04	0.0	60.0	-2.66	0.25	5.15e-04	-7.42e-03	0.05	0.88
495	189	0.71	-0.10	-2.82e-05	-0.19	0.0	-0.31	0.26	0.03	-0.02	-0.12	0.61
		0.61	-0.12	1.76e-04	0.0	60.0	-0.31	0.07	0.03	-0.02	-0.10	0.71
495	190	0.37	0.13	7.22e-05	-0.19	0.0	-1.94	-0.08	-0.03	-1.05e-04	0.13	0.37
		0.26	0.11	-1.70e-04	0.0	60.0	-1.94	-0.27	-0.03	-1.05e-04	0.11	0.26
495	204	0.20	-9.78e-04	-3.77e-05	-0.19	0.0	0.12	-0.47	-0.02	-3.31e-03	-9.78e-04	0.20
		-0.14	-2.47e-03	3.97e-04	0.0	60.0	0.12	-0.66	-0.02	-3.31e-03	-2.47e-03	-0.14
495	207	1.11	6.32e-03	8.17e-05	-0.19	0.0	-2.37	0.65	0.02	-0.01	4.90e-03	0.78
		0.78	4.90e-03	-3.92e-04	0.0	60.0	-2.37	0.46	0.02	-0.01	6.32e-03	1.11
495	209	0.23	-0.06	-5.04e-05	-0.19	0.0	0.63	-0.31	-6.59e-04	-9.59e-03	-0.07	0.23
		0.04	-0.07	4.02e-04	0.0	60.0	0.63	-0.50	-6.59e-04	-9.59e-03	-0.06	0.04
495	210	0.93	0.07	9.44e-05	-0.19	0.0	-2.88	0.48	5.51e-04	-7.24e-03	0.07	0.74
		0.74	0.06	-3.96e-04	0.0	60.0	-2.88	0.29	5.51e-04	-7.24e-03	0.06	0.93
495	221	0.75	-0.12	-3.70e-05	-0.19	0.0	-0.21	0.29	0.04	-0.02	-0.14	0.63
		0.63	-0.14	2.08e-04	0.0	60.0	-0.21	0.10	0.04	-0.02	-0.12	0.75
495	222	0.35	0.15	8.09e-05	-0.19	0.0	-2.04	-0.11	-0.04	1.23e-03	0.15	0.35
		0.23	0.12	-2.03e-04	0.0	60.0	-2.04	-0.30	-0.04	1.23e-03	0.12	0.23
496	4	0.40	0.10	1.76e-04	-0.24	0.0	-0.41	-0.79	-0.09	-1.97e-03	0.10	0.40
		-0.15	0.05	1.80e-05	0.0	60.0	-0.41	-1.04	-0.09	-1.97e-03	0.05	-0.15
496	15	0.45	0.16	1.31e-04	-0.24	0.0	-0.81	-0.55	-0.15	0.01	0.16	0.45
		0.05	0.07	2.53e-05	0.0	60.0	-0.81	-0.79	-0.15	0.01	0.07	0.05
496	18	0.40	0.16	1.64e-04	-0.24	0.0	-0.53	-0.74	-0.15	7.01e-03	0.16	0.40
		-0.12	0.07	2.57e-05	0.0	60.0	-0.53	-0.99	-0.15	7.01e-03	0.07	-0.12
496	38	0.31	-0.01	1.32e-04	-0.19	0.0	-0.15	-0.60	0.05	-0.01	-0.04	0.31
		-0.11	-0.04	-2.08e-06	0.0	60.0	-0.15	-0.79	0.05	-0.01	-0.01	-0.11
496	41	0.49	-0.03	1.27e-04	-0.24	0.0	-0.60	-0.50	0.08	-0.02	-0.07	0.49
		0.12	-0.07	-5.68e-06	0.0	60.0	-0.60	-0.74	0.08	-0.02	-0.03	0.12
496	45	0.39	-0.03	9.28e-05	-0.19	0.0	-0.48	-0.35	0.08	-0.02	-0.08	0.39
		0.12	-0.08	-7.10e-06	0.0	60.0	-0.48	-0.54	0.08	-0.02	-0.03	0.12
496	68	0.32	0.07	1.28e-04	-0.19	0.0	-0.36	-0.57	-0.06	-2.02e-03	0.07	0.32
		-0.08	0.03	1.26e-05	0.0	60.0	-0.36	-0.76	-0.06	-2.02e-03	0.03	-0.08
496	72	0.35	0.11	9.85e-05	-0.19	0.0	-0.63	-0.41	-0.10	6.07e-03	0.11	0.35
		0.05	0.05	1.74e-05	0.0	60.0	-0.63	-0.59	-0.10	6.07e-03	0.05	0.05
496	75	0.32	0.11	1.21e-04	-0.19	0.0	-0.44	-0.54	-0.10	3.96e-03	0.11	0.32
		-0.06	0.05	1.77e-05	0.0	60.0	-0.44	-0.72	-0.10	3.96e-03	0.05	-0.06
496	83	0.32	-8.22e-03	1.22e-04	-0.19	0.0	-0.27	-0.54	0.03	-0.01	-0.03	0.32
		-0.06	-0.03	0.0	0.0	60.0	-0.27	-0.73	0.03	-0.01	-8.22e-03	-0.06
496	85	0.38	-0.02	9.59e-05	-0.19	0.0	-0.49	-0.37	0.05	-0.01	-0.05	0.38
		0.10	-0.05	-3.22e-06	0.0	60.0	-0.49	-0.56	0.05	-0.01	-0.02	0.10
496	101	0.34	4.65e-03	1.15e-04	-0.19	0.0	-0.43	-0.49	1.82e-03	-8.38e-03	3.55e-03	0.34
		-4.80e-03	3.55e-03	4.67e-06	0.0	60.0	-0.43	-0.67	1.82e-03	-8.38e-03	4.65e-03	-4.80e-03
496	102	0.36	0.02	9.74e-05	-0.19	0.0	-0.58	-0.39	-0.02	-4.00e-03	0.02	0.36

		0.07	0.01	7.07e-06	0.0	60.0	-0.58	-0.58	-0.02	-4.00e-03	0.01	0.07
496	103	0.35	0.02	1.14e-04	-0.19	0.0	-0.47	-0.48	-0.02	-5.90e-03	0.02	0.35
		3.43e-03	0.01	7.25e-06	0.0	60.0	-0.47	-0.67	-0.02	-5.90e-03	0.01	3.43e-03
496	104	0.37	-7.40e-04	9.69e-05	-0.19	0.0	-0.55	-0.39	0.01	-7.78e-03	-7.59e-03	0.37
		0.08	-7.59e-03	2.94e-06	0.0	60.0	-0.55	-0.57	0.01	-7.78e-03	-7.40e-04	0.08
496	106	0.37	3.67e-03	9.72e-05	-0.19	0.0	-0.56	-0.39	1.43e-03	-6.52e-03	2.82e-03	0.37
		0.08	2.82e-03	4.48e-06	0.0	60.0	-0.56	-0.58	1.43e-03	-6.52e-03	3.67e-03	0.08
496	107	0.35	4.59e-03	1.13e-04	-0.19	0.0	-0.45	-0.47	1.80e-03	-8.42e-03	3.52e-03	0.35
		8.39e-03	3.52e-03	4.66e-06	0.0	60.0	-0.45	-0.66	1.80e-03	-8.42e-03	4.59e-03	8.39e-03
496	108	-0.25	0.08	6.58e-05	-0.19	0.0	2.49	-2.76	0.01	-4.39e-03	0.08	-0.25
		-1.95	0.04	3.10e-04	0.0	60.0	2.49	-2.94	0.01	-4.39e-03	0.04	-1.95
496	111	1.97	-0.04	1.61e-04	-0.19	0.0	-3.39	1.81	-0.01	-0.01	-0.07	0.94
		0.94	-0.07	-3.01e-04	0.0	60.0	-3.39	1.62	-0.01	-0.01	-0.04	1.97
496	113	-0.08	0.03	6.22e-05	-0.19	0.0	2.50	-2.70	0.06	-9.27e-03	0.03	-0.08
		-1.87	0.02	3.18e-04	0.0	60.0	2.50	-2.89	0.06	-9.27e-03	0.02	-1.87
496	114	1.89	-0.01	1.65e-04	-0.19	0.0	-3.41	1.75	-0.05	-7.56e-03	-0.02	0.78
		0.78	-0.02	-3.08e-04	0.0	60.0	-3.41	1.56	-0.05	-7.56e-03	-0.01	1.89
496	124	-0.15	0.12	1.27e-04	-0.19	0.0	1.66	-2.18	-0.07	8.09e-05	0.12	-0.15
		-1.51	0.06	4.33e-05	0.0	60.0	1.66	-2.37	-0.07	8.09e-05	0.06	-1.51
496	127	1.53	-0.05	1.00e-04	-0.19	0.0	-2.57	1.24	0.08	-0.02	-0.12	0.85
		0.85	-0.12	-3.40e-05	0.0	60.0	-2.57	1.05	0.08	-0.02	-0.05	1.53
496	140	-0.32	0.09	6.00e-05	-0.19	0.0	2.85	-3.04	0.02	-3.89e-03	0.09	-0.32
		-2.20	0.05	3.48e-04	0.0	60.0	2.85	-3.23	0.02	-3.89e-03	0.05	-2.20
496	143	2.21	-0.04	1.67e-04	-0.19	0.0	-3.76	2.09	-0.01	-0.01	-0.08	1.02
		1.02	-0.08	-3.39e-04	0.0	60.0	-3.76	1.91	-0.01	-0.01	-0.04	2.21
496	145	-0.13	0.04	5.59e-05	-0.19	0.0	2.87	-2.98	0.06	-9.38e-03	0.04	-0.13
		-2.10	0.02	3.57e-04	0.0	60.0	2.87	-3.16	0.06	-9.38e-03	0.02	-2.10
496	146	2.12	-0.01	1.71e-04	-0.19	0.0	-3.78	2.03	-0.06	-7.46e-03	-0.03	0.83
		0.83	-0.03	-3.48e-04	0.0	60.0	-3.78	1.84	-0.06	-7.46e-03	-0.01	2.12
496	156	-0.21	0.14	1.28e-04	-0.19	0.0	1.92	-2.40	-0.08	1.14e-03	0.14	-0.21
		-1.70	0.07	4.76e-05	0.0	60.0	1.92	-2.58	-0.08	1.14e-03	0.07	-1.70
496	159	1.72	-0.06	9.87e-05	-0.19	0.0	-2.83	1.45	0.09	-0.02	-0.13	0.91
		0.91	-0.13	-3.83e-05	0.0	60.0	-2.83	1.26	0.09	-0.02	-0.06	1.72
496	172	-0.28	0.09	6.52e-05	-0.19	0.0	2.65	-2.90	0.01	-4.01e-03	0.09	-0.28
		-2.08	0.05	3.41e-04	0.0	60.0	2.65	-3.09	0.01	-4.01e-03	0.05	-2.08
496	175	2.09	-0.04	1.62e-04	-0.19	0.0	-3.56	1.95	-0.01	-0.01	-0.08	0.98
		0.98	-0.08	-3.32e-04	0.0	60.0	-3.56	1.77	-0.01	-0.01	-0.04	2.09
496	177	-0.10	0.03	6.15e-05	-0.19	0.0	2.67	-2.83	0.06	-9.41e-03	0.03	-0.10
		-1.98	0.02	3.50e-04	0.0	60.0	2.67	-3.02	0.06	-9.41e-03	0.02	-1.98
496	178	2.00	-0.01	1.65e-04	-0.19	0.0	-3.58	1.89	-0.06	-7.43e-03	-0.03	0.80
		0.80	-0.03	-3.40e-04	0.0	60.0	-3.58	1.70	-0.06	-7.43e-03	-0.01	2.00
496	188	-0.19	0.14	1.30e-04	-0.19	0.0	1.80	-2.31	-0.08	9.46e-04	0.14	-0.19
		-1.63	0.07	4.16e-05	0.0	60.0	1.80	-2.50	-0.08	9.46e-04	0.07	-1.63
496	191	1.65	-0.06	9.69e-05	-0.19	0.0	-2.71	1.37	0.09	-0.02	-0.13	0.89
		0.89	-0.13	-3.23e-05	0.0	60.0	-2.71	1.18	0.09	-0.02	-0.06	1.65
496	204	-0.37	0.10	5.98e-05	-0.19	0.0	3.08	-3.24	0.02	-3.31e-03	0.10	-0.37
		-2.37	0.05	3.96e-04	0.0	60.0	3.08	-3.43	0.02	-3.31e-03	0.05	-2.37
496	207	2.39	-0.05	1.67e-04	-0.19	0.0	-3.99	2.30	-0.01	-0.01	-0.10	1.07
		1.07	-0.10	-3.86e-04	0.0	60.0	-3.99	2.11	-0.01	-0.01	-0.05	2.39
496	209	-0.17	0.04	5.55e-05	-0.19	0.0	3.11	-3.17	0.07	-9.59e-03	0.04	-0.17
		-2.26	0.02	4.06e-04	0.0	60.0	3.11	-3.36	0.07	-9.59e-03	0.02	-2.26
496	210	2.27	-0.01	1.71e-04	-0.19	0.0	-4.02	2.22	-0.07	-7.24e-03	-0.03	0.86
		0.86	-0.03	-3.97e-04	0.0	60.0	-4.02	2.03	-0.07	-7.24e-03	-0.01	2.27
496	220	-0.27	0.16	1.34e-04	-0.19	0.0	2.12	-2.59	-0.10	2.45e-03	0.16	-0.27
		-1.88	0.08	4.42e-05	0.0	60.0	2.12	-2.78	-0.10	2.45e-03	0.08	-1.88
496	223	1.90	-0.07	9.31e-05	-0.19	0.0	-3.03	1.64	0.10	-0.02	-0.15	0.97
		0.97	-0.15	-3.49e-05	0.0	60.0	-3.03	1.45	0.10	-0.02	-0.07	1.90
497	4	1.43	0.04	-1.58e-04	-0.24	0.0	5.00	0.90	-0.22	0.01	0.04	0.96
		0.96	-0.09	7.93e-06	0.0	60.0	5.00	0.65	-0.22	0.01	-0.09	1.43
497	18	1.41	0.08	-1.46e-04	-0.24	0.0	4.63	0.86	-0.37	0.01	0.08	0.96
		0.96	-0.14	1.47e-05	0.0	60.0	4.63	0.62	-0.37	0.01	-0.14	1.41
497	19	1.00	0.08	-8.02e-05	-0.19	0.0	2.90	0.55	-0.37	5.72e-03	0.08	0.72
		0.72	-0.14	1.57e-05	0.0	60.0	2.90	0.37	-0.37	5.72e-03	-0.14	1.00
497	28	1.39	0.03	-1.54e-04	-0.24	0.0	5.41	0.88	0.11	0.01	-0.03	0.94
		0.94	-0.03	-5.21e-06	0.0	60.0	5.41	0.64	0.11	0.01	0.03	1.39
497	45	0.94	0.07	-7.31e-05	-0.19	0.0	3.58	0.53	0.19	5.35e-03	-0.05	0.68
		0.68	-0.05	-6.26e-06	0.0	60.0	3.58	0.34	0.19	5.35e-03	0.07	0.94
497	68	1.08	0.03	-1.14e-04	-0.19	0.0	3.75	0.67	-0.15	8.68e-03	0.03	0.73
		0.73	-0.06	5.24e-06	0.0	60.0	3.75	0.48	-0.15	8.68e-03	-0.06	1.08
497	72	0.99	0.05	-8.20e-05	-0.19	0.0	3.08	0.56	-0.25	5.91e-03	0.05	0.71
		0.71	-0.10	1.02e-05	0.0	60.0	3.08	0.37	-0.25	5.91e-03	-0.10	0.99
497	75	1.06	0.05	-1.06e-04	-0.19	0.0	3.50	0.64	-0.25	8.00e-03	0.05	0.73
		0.73	-0.10	9.73e-06	0.0	60.0	3.50	0.45	-0.25	8.00e-03	-0.10	1.06
497	80	1.05	0.02	-1.11e-04	-0.19	0.0	4.02	0.66	0.08	8.53e-03	-0.02	0.72
		0.72	-0.02	-3.52e-06	0.0	60.0	4.02	0.47	0.08	8.53e-03	0.02	1.05

497	85	0.95	0.04	-7.72e-05	-0.19	0.0	3.54	0.54	0.12	5.66e-03	-0.03	0.69
		0.69	-0.03	-4.40e-06	0.0	60.0	3.54	0.35	0.12	5.66e-03	0.04	0.95
497	98	1.03	-4.24e-03	-1.00e-04	-0.19	0.0	3.69	0.62	3.14e-04	7.48e-03	-4.43e-03	0.71
		0.71	-4.43e-03	0.0	0.0	60.0	3.69	0.43	3.14e-04	7.48e-03	-4.24e-03	1.03
497	102	0.98	7.96e-03	-8.03e-05	-0.19	0.0	3.29	0.56	-0.05	5.82e-03	7.96e-03	0.70
		0.70	-0.02	1.56e-06	0.0	60.0	3.29	0.37	-0.05	5.82e-03	-0.02	0.98
497	103	1.03	7.15e-03	-9.78e-05	-0.19	0.0	3.58	0.61	-0.05	7.26e-03	7.15e-03	0.71
		0.71	-0.02	1.23e-06	0.0	60.0	3.58	0.43	-0.05	7.26e-03	-0.02	1.03
497	104	0.97	5.77e-03	-7.94e-05	-0.19	0.0	3.38	0.55	0.03	5.78e-03	-9.24e-03	0.70
		0.70	-9.24e-03	-1.36e-06	0.0	60.0	3.38	0.37	0.03	5.78e-03	5.77e-03	0.97
497	106	0.98	-3.43e-03	-7.99e-05	-0.19	0.0	3.35	0.56	1.14e-04	5.80e-03	-3.50e-03	0.70
		0.70	-3.50e-03	0.0	0.0	60.0	3.35	0.37	1.14e-04	5.80e-03	-3.43e-03	0.98
497	107	1.02	-4.13e-03	-9.74e-05	-0.19	0.0	3.64	0.61	2.86e-04	7.24e-03	-4.30e-03	0.71
		0.71	-4.30e-03	0.0	0.0	60.0	3.64	0.43	2.86e-04	7.24e-03	-4.13e-03	1.02
497	108	-0.68	0.02	-6.91e-05	-0.19	0.0	-7.50	-3.69	-0.10	0.02	0.02	-0.68
		-2.94	0.01	1.96e-04	0.0	60.0	-7.50	-3.87	-0.10	0.02	0.01	-2.94
497	111	4.99	-0.02	-1.26e-04	-0.19	0.0	14.77	4.91	0.10	-7.53e-04	-0.02	2.10
		2.10	-0.02	-1.98e-04	0.0	60.0	14.77	4.72	0.10	-7.53e-04	-0.02	4.99
497	113	-0.68	0.04	-6.25e-05	-0.19	0.0	-7.50	-3.71	-0.03	0.02	5.60e-03	-0.68
		-2.96	5.60e-03	1.91e-04	0.0	60.0	-7.50	-3.90	-0.03	0.02	0.04	-2.96
497	114	5.01	-0.01	-1.32e-04	-0.19	0.0	14.77	4.93	0.03	-7.43e-04	-0.01	2.10
		2.10	-0.05	-1.93e-04	0.0	60.0	14.77	4.75	0.03	-7.43e-04	-0.05	5.01
497	133	-0.28	0.07	-1.01e-05	-0.19	0.0	-4.12	-2.44	0.12	6.72e-03	-0.02	-0.28
		-1.80	-0.02	3.64e-05	0.0	60.0	-4.12	-2.63	0.12	6.72e-03	0.07	-1.80
497	134	3.84	0.01	-1.85e-04	-0.19	0.0	11.40	3.67	-0.12	7.76e-03	0.01	1.70
		1.70	-0.08	-3.83e-05	0.0	60.0	11.40	3.48	-0.12	7.76e-03	-0.08	3.84
497	140	-0.85	0.02	-6.53e-05	-0.19	0.0	-8.88	-4.22	-0.12	0.02	0.02	-0.85
		-3.44	0.02	2.21e-04	0.0	60.0	-8.88	-4.41	-0.12	0.02	0.02	-3.44
497	143	5.48	-0.02	-1.29e-04	-0.19	0.0	16.16	5.45	0.12	-1.76e-03	-0.03	2.27
		2.27	-0.03	-2.23e-04	0.0	60.0	16.16	5.26	0.12	-1.76e-03	-0.02	5.48
497	145	-0.86	0.05	-5.79e-05	-0.19	0.0	-8.88	-4.25	-0.04	0.02	6.86e-03	-0.86
		-3.46	6.86e-03	2.16e-04	0.0	60.0	-8.88	-4.43	-0.04	0.02	0.05	-3.46
497	146	5.50	-0.02	-1.37e-04	-0.19	0.0	16.16	5.47	0.04	-1.75e-03	-0.02	2.28
		2.28	-0.06	-2.18e-04	0.0	60.0	16.16	5.28	0.04	-1.75e-03	-0.06	5.50
497	165	-0.40	0.08	4.86e-06	-0.19	0.0	-5.08	-2.82	0.13	6.65e-03	-0.02	-0.40
		-2.15	-0.02	4.07e-05	0.0	60.0	-5.08	-3.01	0.13	6.65e-03	0.08	-2.15
497	166	4.19	0.01	-1.96e-04	-0.19	0.0	12.36	4.05	-0.13	7.84e-03	0.01	1.82
		1.82	-0.08	-4.26e-05	0.0	60.0	12.36	3.86	-0.13	7.84e-03	-0.08	4.19
497	172	-0.77	0.02	-5.86e-05	-0.19	0.0	-8.25	-3.98	-0.11	0.02	0.02	-0.77
		-3.21	0.02	2.19e-04	0.0	60.0	-8.25	-4.17	-0.11	0.02	0.02	-3.21
497	175	5.26	-0.02	-1.36e-04	-0.19	0.0	15.52	5.21	0.11	-1.75e-03	-0.03	2.19
		2.19	-0.03	-2.21e-04	0.0	60.0	15.52	5.02	0.11	-1.75e-03	-0.02	5.26
497	177	-0.78	0.05	-5.16e-05	-0.19	0.0	-8.25	-4.01	-0.04	0.02	6.89e-03	-0.78
		-3.24	6.89e-03	2.14e-04	0.0	60.0	-8.25	-4.19	-0.04	0.02	0.05	-3.24
497	178	5.28	-0.02	-1.43e-04	-0.19	0.0	15.52	5.23	0.04	-1.72e-03	-0.02	2.20
		2.20	-0.06	-2.15e-04	0.0	60.0	15.52	5.04	0.04	-1.72e-03	-0.06	5.28
497	197	-0.35	0.07	5.81e-06	-0.19	0.0	-4.70	-2.68	0.13	6.57e-03	-0.02	-0.35
		-2.01	-0.02	3.71e-05	0.0	60.0	-4.70	-2.86	0.13	6.57e-03	0.07	-2.01
497	198	4.06	0.01	-1.98e-04	-0.19	0.0	11.97	3.90	-0.13	7.91e-03	0.01	1.77
		1.77	-0.08	-3.90e-05	0.0	60.0	11.97	3.72	-0.13	7.91e-03	-0.08	4.06
497	204	-0.98	0.02	-4.84e-05	-0.19	0.0	-9.96	-4.65	-0.13	0.02	0.02	-0.98
		-3.83	0.02	2.57e-04	0.0	60.0	-9.96	-4.83	-0.13	0.02	0.02	-3.83
497	207	5.87	-0.03	-1.46e-04	-0.19	0.0	17.24	5.87	0.13	-3.32e-03	-0.03	2.40
		2.40	-0.03	-2.59e-04	0.0	60.0	17.24	5.68	0.13	-3.32e-03	-0.03	5.87
497	209	-0.99	0.06	-4.05e-05	-0.19	0.0	-9.96	-4.68	-0.04	0.02	8.86e-03	-0.99
		-3.85	8.86e-03	2.50e-04	0.0	60.0	-9.96	-4.86	-0.04	0.02	0.06	-3.85
497	210	5.90	-0.02	-1.54e-04	-0.19	0.0	17.24	5.90	0.04	-3.28e-03	-0.02	2.41
		2.41	-0.07	-2.52e-04	0.0	60.0	17.24	5.72	0.04	-3.28e-03	-0.07	5.90
497	229	-0.51	0.09	2.10e-05	-0.19	0.0	-5.94	-3.17	0.15	6.38e-03	-0.03	-0.51
		-2.47	-0.03	4.13e-05	0.0	60.0	-5.94	-3.36	0.15	6.38e-03	0.09	-2.47
497	230	4.51	0.02	-2.16e-04	-0.19	0.0	13.21	4.40	-0.15	8.10e-03	0.02	1.93
		1.93	-0.10	-4.31e-05	0.0	60.0	13.21	4.21	-0.15	8.10e-03	-0.10	4.51
498	9	0.40	0.02	2.85e-05	-0.24	0.0	-0.23	-0.54	-0.15	9.12e-03	0.02	0.40
		2.96e-03	-0.07	4.37e-06	0.0	60.0	-0.23	-0.78	-0.15	9.12e-03	-0.07	2.96e-03
498	18	0.38	0.03	5.82e-06	-0.24	0.0	0.06	-0.64	-0.25	0.01	0.03	0.38
		-0.08	-0.12	9.06e-06	0.0	60.0	0.06	-0.88	-0.25	0.01	-0.12	-0.08
498	19	0.28	0.04	3.12e-05	-0.19	0.0	-0.90	-0.43	-0.25	5.72e-03	0.04	0.28
		-0.04	-0.11	1.20e-05	0.0	60.0	-0.90	-0.62	-0.25	5.72e-03	-0.11	-0.04
498	27	0.30	0.02	0.0	-0.24	0.0	1.50	-0.76	0.06	0.01	-0.02	0.30
		-0.22	-0.02	-1.01e-05	0.0	60.0	1.50	-1.00	0.06	0.01	0.02	-0.22
498	28	0.33	0.02	-3.57e-06	-0.24	0.0	1.62	-0.73	0.06	0.01	-0.02	0.33
		-0.18	-0.02	-1.03e-05	0.0	60.0	1.62	-0.97	0.06	0.01	0.02	-0.18
498	45	0.22	0.04	3.36e-05	-0.19	0.0	0.65	-0.49	0.12	5.35e-03	-0.03	0.22
		-0.14	-0.03	-9.22e-06	0.0	60.0	0.65	-0.68	0.12	5.35e-03	0.04	-0.14
498	69	0.30	0.01	2.45e-05	-0.19	0.0	-0.21	-0.42	-0.10	6.69e-03	0.01	0.30

		-8.35e-03	-0.05	2.60e-06	0.0	60.0	-0.21	-0.60	-0.10	6.69e-03	-0.05	-8.35e-03
498	72	0.27	0.02	2.93e-05	-0.19	0.0	-0.57	-0.44	-0.17	5.90e-03	0.02	0.27
		-0.05	-0.08	6.92e-06	0.0	60.0	-0.57	-0.63	-0.17	5.90e-03	-0.08	-0.05
498	75	0.28	0.02	9.39e-06	-0.19	0.0	-8.27e-03	-0.48	-0.17	8.00e-03	0.02	0.28
		-0.06	-0.08	5.73e-06	0.0	60.0	-8.27e-03	-0.67	-0.17	8.00e-03	-0.08	-0.06
498	79	0.23	0.01	5.62e-06	-0.19	0.0	0.95	-0.56	0.04	8.11e-03	-0.01	0.23
		-0.16	-0.01	-7.02e-06	0.0	60.0	0.95	-0.75	0.04	8.11e-03	0.01	-0.16
498	80	0.25	0.01	3.13e-06	-0.19	0.0	1.03	-0.54	0.04	8.52e-03	-0.01	0.25
		-0.13	-0.01	-7.19e-06	0.0	60.0	1.03	-0.73	0.04	8.52e-03	0.01	-0.13
498	85	0.23	0.03	3.09e-05	-0.19	0.0	0.46	-0.49	0.08	5.66e-03	-0.02	0.23
		-0.12	-0.02	-7.25e-06	0.0	60.0	0.46	-0.68	0.08	5.66e-03	0.03	-0.12
498	99	0.26	-4.14e-03	2.89e-05	-0.19	0.0	-0.01	-0.46	-4.42e-03	5.96e-03	-4.14e-03	0.26
		-0.07	-6.80e-03	-3.10e-06	0.0	60.0	-0.01	-0.64	-4.42e-03	5.96e-03	-6.80e-03	-0.07
498	102	0.25	1.13e-03	2.98e-05	-0.19	0.0	-0.15	-0.46	-0.04	5.82e-03	1.13e-03	0.25
		-0.08	-0.02	-1.04e-06	0.0	60.0	-0.15	-0.65	-0.04	5.82e-03	-0.02	-0.08
498	103	0.25	1.93e-04	1.49e-05	-0.19	0.0	0.27	-0.51	-0.04	7.25e-03	1.93e-04	0.25
		-0.11	-0.02	-1.92e-06	0.0	60.0	0.27	-0.70	-0.04	7.25e-03	-0.02	-0.11
498	105	0.24	-1.51e-03	1.52e-05	-0.19	0.0	0.47	-0.52	0.01	7.21e-03	-7.89e-03	0.24
		-0.12	-7.89e-03	-4.75e-06	0.0	60.0	0.47	-0.71	0.01	7.21e-03	-1.51e-03	-0.12
498	106	0.25	-4.08e-03	2.99e-05	-0.19	0.0	-0.04	-0.46	-4.35e-03	5.80e-03	-4.08e-03	0.25
		-0.08	-6.69e-03	-3.04e-06	0.0	60.0	-0.04	-0.65	-4.35e-03	5.80e-03	-6.69e-03	-0.08
498	107	0.25	-5.02e-03	1.50e-05	-0.19	0.0	0.37	-0.51	-5.39e-03	7.23e-03	-5.02e-03	0.25
		-0.12	-8.25e-03	-3.91e-06	0.0	60.0	0.37	-0.70	-5.39e-03	7.23e-03	-8.25e-03	-0.12
498	108	-2.99	0.01	2.02e-05	-0.19	0.0	-11.07	-5.16	-0.08	0.02	0.01	-2.99
		-6.15	-0.04	1.90e-04	0.0	60.0	-11.07	-5.35	-0.08	0.02	-0.04	-6.15
498	111	5.92	0.02	2.35e-05	-0.19	0.0	11.81	4.14	0.07	-7.59e-04	-0.02	3.49
		3.49	-0.02	-1.98e-04	0.0	60.0	11.81	3.95	0.07	-7.59e-04	0.02	5.92
498	113	-3.03	-1.39e-03	2.31e-05	-0.19	0.0	-8.14	-5.25	-0.02	0.02	-1.39e-03	-3.03
		-6.24	-0.01	1.89e-04	0.0	60.0	-8.14	-5.44	-0.02	0.02	-0.01	-6.24
498	114	6.01	-4.00e-03	1.89e-05	-0.19	0.0	8.88	4.22	6.32e-03	-7.48e-04	-8.65e-03	3.53
		3.53	-8.65e-03	-1.97e-04	0.0	60.0	8.88	4.03	6.32e-03	-7.48e-04	-4.00e-03	6.01
498	132	1.13	0.02	-1.16e-05	-0.19	0.0	-6.24	0.47	-0.14	0.01	0.02	0.91
		0.91	-0.06	7.08e-05	0.0	60.0	-6.24	0.28	-0.14	0.01	-0.06	1.13
498	135	-0.41	0.05	4.10e-05	-0.19	0.0	6.98	-1.50	0.13	1.35e-03	-0.03	-0.41
		-1.36	-0.03	-7.86e-05	0.0	60.0	6.98	-1.69	0.13	1.35e-03	0.05	-1.36
498	140	-3.40	0.01	2.17e-05	-0.19	0.0	-12.50	-5.74	-0.09	0.02	0.01	-3.40
		-6.90	-0.04	2.14e-04	0.0	60.0	-12.50	-5.93	-0.09	0.02	-0.04	-6.90
498	143	6.67	0.03	2.46e-05	-0.19	0.0	13.24	4.72	0.08	-1.77e-03	-0.02	3.89
		3.89	-0.02	-2.22e-04	0.0	60.0	13.24	4.53	0.08	-1.77e-03	0.03	6.67
498	145	-3.44	-9.14e-04	2.49e-05	-0.19	0.0	-9.21	-5.84	-0.02	0.02	-9.14e-04	-3.44
		-7.00	-0.01	2.14e-04	0.0	60.0	-9.21	-6.03	-0.02	0.02	-0.01	-7.00
498	146	6.77	-3.45e-03	1.94e-05	-0.19	0.0	9.95	4.81	7.85e-03	-1.75e-03	-9.12e-03	3.94
		3.94	-9.12e-03	-2.22e-04	0.0	60.0	9.95	4.62	7.85e-03	-1.75e-03	-3.45e-03	6.77
498	164	1.28	0.02	-1.47e-05	-0.19	0.0	-7.05	0.59	-0.15	0.01	0.02	0.99
		0.99	-0.07	8.07e-05	0.0	60.0	-7.05	0.40	-0.15	0.01	-0.07	1.28
498	167	-0.49	0.05	4.44e-05	-0.19	0.0	7.79	-1.62	0.14	5.92e-04	-0.03	-0.49
		-1.52	-0.03	-8.85e-05	0.0	60.0	7.79	-1.81	0.14	5.92e-04	0.05	-1.52
498	172	-3.21	0.01	1.93e-05	-0.19	0.0	-11.91	-5.48	-0.09	0.02	0.01	-3.21
		-6.56	-0.04	2.13e-04	0.0	60.0	-11.91	-5.67	-0.09	0.02	-0.04	-6.56
498	175	6.32	0.02	2.70e-05	-0.19	0.0	12.65	4.45	0.08	-1.75e-03	-0.02	3.71
		3.71	-0.02	-2.21e-04	0.0	60.0	12.65	4.26	0.08	-1.75e-03	0.02	6.32
498	177	-3.26	-7.70e-04	2.26e-05	-0.19	0.0	-8.75	-5.58	-0.02	0.02	-7.70e-04	-3.26
		-6.66	-0.01	2.12e-04	0.0	60.0	-8.75	-5.77	-0.02	0.02	-0.01	-6.66
498	178	6.43	-3.72e-03	2.18e-05	-0.19	0.0	9.50	4.55	7.82e-03	-1.73e-03	-9.26e-03	3.76
		3.76	-9.26e-03	-2.20e-04	0.0	60.0	9.50	4.36	7.82e-03	-1.73e-03	-3.72e-03	6.43
498	196	1.27	0.02	-1.62e-05	-0.19	0.0	-6.62	0.58	-0.15	0.01	0.02	0.98
		0.98	-0.07	8.36e-05	0.0	60.0	-6.62	0.39	-0.15	0.01	-0.07	1.27
498	199	-0.48	0.05	4.60e-05	-0.19	0.0	7.36	-1.61	0.14	5.19e-04	-0.03	-0.48
		-1.50	-0.03	-9.15e-05	0.0	60.0	7.36	-1.79	0.14	5.19e-04	0.05	-1.50
498	204	-3.71	0.02	2.00e-05	-0.19	0.0	-13.72	-6.20	-0.10	0.02	0.02	-3.71
		-7.49	-0.05	2.50e-04	0.0	60.0	-13.72	-6.39	-0.10	0.02	-0.05	-7.49
498	207	7.26	0.03	3.06e-05	-0.19	0.0	14.46	5.17	0.09	-3.32e-03	-0.03	4.21
		4.21	-0.03	-2.58e-04	0.0	60.0	14.46	4.98	0.09	-3.32e-03	0.03	7.26
498	209	-3.77	6.61e-05	2.38e-05	-0.19	0.0	-10.09	-6.31	-0.02	0.02	6.61e-05	-3.77
		-7.62	-0.01	2.49e-04	0.0	60.0	-10.09	-6.50	-0.02	0.02	-0.01	-7.62
498	210	7.38	-3.04e-03	2.44e-05	-0.19	0.0	10.83	5.29	0.01	-3.28e-03	-0.01	4.27
		4.27	-0.01	-2.56e-04	0.0	60.0	10.83	5.10	0.01	-3.28e-03	-3.04e-03	7.38
498	228	1.50	0.03	-2.23e-05	-0.19	0.0	-7.62	0.76	-0.18	0.02	0.03	1.10
		1.10	-0.08	1.01e-04	0.0	60.0	-7.62	0.57	-0.18	0.02	-0.08	1.50
498	231	-0.60	0.06	5.23e-05	-0.19	0.0	8.36	-1.79	0.16	-7.32e-04	-0.04	-0.60
		-1.73	-0.04	-1.09e-04	0.0	60.0	8.36	-1.98	0.16	-7.32e-04	0.06	-1.73
499	16	0.93	0.09	-3.18e-05	-0.24	0.0	1.70	0.38	-0.37	3.27e-04	0.09	0.78
		0.78	-0.14	2.15e-05	0.0	60.0	1.70	0.13	-0.37	3.27e-04	-0.14	0.93
499	18	0.88	0.08	-2.74e-05	-0.24	0.0	1.70	0.31	-0.37	3.85e-04	0.08	0.76
		0.76	-0.14	2.21e-05	0.0	60.0	1.70	0.07	-0.37	3.85e-04	-0.14	0.88

499	19	0.72	0.09	-2.49e-05	-0.19	0.0	1.02	0.30	-0.37	2.18e-04	0.09	0.60
		0.60	-0.14	2.08e-05	0.0	60.0	1.02	0.11	-0.37	2.18e-04	-0.14	0.72
499	21	0.67	0.09	-2.05e-05	-0.19	0.0	1.02	0.24	-0.37	2.75e-04	0.09	0.58
		0.58	-0.14	2.15e-05	0.0	60.0	1.02	0.05	-0.37	2.75e-04	-0.14	0.67
499	31	0.62	0.04	-1.76e-05	-0.19	0.0	2.89	0.20	0.11	3.20e-04	-0.03	0.56
		0.56	-0.03	-3.79e-06	0.0	60.0	2.89	0.01	0.11	3.20e-04	0.04	0.62
499	42	0.91	0.06	-3.03e-05	-0.24	0.0	4.06	0.36	0.18	3.41e-04	-0.05	0.77
		0.77	-0.05	-8.01e-06	0.0	60.0	4.06	0.11	0.18	3.41e-04	0.06	0.91
499	72	0.72	0.06	-2.45e-05	-0.19	0.0	1.41	0.30	-0.25	2.34e-04	0.06	0.60
		0.60	-0.09	1.44e-05	0.0	60.0	1.41	0.11	-0.25	2.34e-04	-0.09	0.72
499	73	0.72	0.06	-2.46e-05	-0.19	0.0	1.42	0.29	-0.25	2.48e-04	0.06	0.60
		0.60	-0.09	1.44e-05	0.0	60.0	1.42	0.11	-0.25	2.48e-04	-0.09	0.72
499	74	0.68	0.06	-2.16e-05	-0.19	0.0	1.41	0.25	-0.25	2.72e-04	0.06	0.58
		0.58	-0.09	1.48e-05	0.0	60.0	1.41	0.07	-0.25	2.72e-04	-0.09	0.68
499	75	0.68	0.06	-2.17e-05	-0.19	0.0	1.42	0.25	-0.25	2.86e-04	0.06	0.59
		0.59	-0.09	1.49e-05	0.0	60.0	1.42	0.06	-0.25	2.86e-04	-0.09	0.68
499	79	0.65	0.02	-1.96e-05	-0.19	0.0	2.65	0.23	0.07	3.02e-04	-0.02	0.57
		0.57	-0.02	-2.06e-06	0.0	60.0	2.65	0.04	0.07	3.02e-04	0.02	0.65
499	86	0.70	0.04	-2.36e-05	-0.19	0.0	2.99	0.28	0.12	2.57e-04	-0.03	0.59
		0.59	-0.03	-5.21e-06	0.0	60.0	2.99	0.09	0.12	2.57e-04	0.04	0.70
499	98	0.67	-2.73e-03	-2.13e-05	-0.19	0.0	2.17	0.25	3.73e-04	2.91e-04	-2.95e-03	0.58
		0.58	-2.95e-03	1.71e-06	0.0	60.0	2.17	0.06	3.73e-04	2.91e-04	-2.73e-03	0.67
499	102	0.71	9.47e-03	-2.43e-05	-0.19	0.0	2.02	0.29	-0.05	2.49e-04	9.47e-03	0.59
		0.59	-0.02	3.91e-06	0.0	60.0	2.02	0.11	-0.05	2.49e-04	-0.02	0.71
499	103	0.68	8.97e-03	-2.18e-05	-0.19	0.0	2.02	0.26	-0.05	2.82e-04	8.97e-03	0.58
		0.58	-0.02	4.27e-06	0.0	60.0	2.02	0.07	-0.05	2.82e-04	-0.02	0.68
499	104	0.71	6.37e-03	-2.41e-05	-0.19	0.0	2.33	0.29	0.02	2.51e-04	-8.53e-03	0.59
		0.59	-8.53e-03	0.0	0.0	60.0	2.33	0.10	0.02	2.51e-04	6.37e-03	0.71
499	106	0.71	-2.23e-03	-2.42e-05	-0.19	0.0	2.17	0.29	2.22e-04	2.53e-04	-2.37e-03	0.59
		0.59	-2.37e-03	1.30e-06	0.0	60.0	2.17	0.10	2.22e-04	2.53e-04	-2.23e-03	0.71
499	107	0.68	-2.66e-03	-2.17e-05	-0.19	0.0	2.17	0.26	3.52e-04	2.86e-04	-2.87e-03	0.58
		0.58	-2.87e-03	1.65e-06	0.0	60.0	2.17	0.07	3.52e-04	2.86e-04	-2.66e-03	0.68
499	108	-0.87	7.20e-03	1.56e-04	-0.19	0.0	-9.98	-4.34	-0.02	7.84e-03	7.20e-03	-0.87
		-3.53	-0.01	1.90e-04	0.0	60.0	-9.98	-4.53	-0.02	7.84e-03	-0.01	-3.53
499	111	4.89	5.92e-03	-1.99e-04	-0.19	0.0	14.32	4.85	0.02	-7.27e-03	-0.01	2.04
		2.04	-0.01	-1.87e-04	0.0	60.0	14.32	4.66	0.02	-7.27e-03	5.92e-03	4.89
499	133	-0.42	0.04	1.12e-04	-0.19	0.0	2.54	-2.96	0.12	-8.33e-04	-0.03	-0.42
		-2.25	-0.03	3.35e-05	0.0	60.0	2.54	-3.15	0.12	-8.33e-04	0.04	-2.25
499	134	3.61	0.02	-1.55e-04	-0.19	0.0	1.80	3.47	-0.12	1.40e-03	0.02	1.58
		1.58	-0.05	-3.02e-05	0.0	60.0	1.80	3.29	-0.12	1.40e-03	-0.05	3.61
499	140	-1.05	8.44e-03	1.78e-04	-0.19	0.0	-11.50	-4.91	-0.02	8.79e-03	8.44e-03	-1.05
		-4.06	-0.01	2.14e-04	0.0	60.0	-11.50	-5.10	-0.02	8.79e-03	-0.01	-4.06
499	143	5.42	6.97e-03	-2.22e-04	-0.19	0.0	15.84	5.43	0.02	-8.22e-03	-0.01	2.22
		2.22	-0.01	-2.11e-04	0.0	60.0	15.84	5.24	0.02	-8.22e-03	6.97e-03	5.42
499	165	-0.54	0.05	1.29e-04	-0.19	0.0	2.56	-3.36	0.14	-9.81e-04	-0.03	-0.54
		-2.61	-0.03	3.73e-05	0.0	60.0	2.56	-3.55	0.14	-9.81e-04	0.05	-2.61
499	166	3.97	0.02	-1.72e-04	-0.19	0.0	1.77	3.87	-0.14	1.55e-03	0.02	1.70
		1.70	-0.05	-3.40e-05	0.0	60.0	1.77	3.68	-0.14	1.55e-03	-0.05	3.97
499	172	-0.97	8.09e-03	1.68e-04	-0.19	0.0	-10.90	-4.66	-0.02	8.56e-03	8.09e-03	-0.97
		-3.82	-0.01	2.12e-04	0.0	60.0	-10.90	-4.85	-0.02	8.56e-03	-0.01	-3.82
499	175	5.18	6.82e-03	-2.12e-04	-0.19	0.0	15.23	5.17	0.02	-7.99e-03	-0.01	2.14
		2.14	-0.01	-2.09e-04	0.0	60.0	15.23	4.98	0.02	-7.99e-03	6.82e-03	5.18
499	197	-0.49	0.05	1.27e-04	-0.19	0.0	2.36	-3.21	0.13	-1.01e-03	-0.03	-0.49
		-2.47	-0.03	3.41e-05	0.0	60.0	2.36	-3.40	0.13	-1.01e-03	0.05	-2.47
499	198	3.83	0.02	-1.70e-04	-0.19	0.0	1.98	3.72	-0.13	1.58e-03	0.02	1.66
		1.66	-0.05	-3.08e-05	0.0	60.0	1.98	3.53	-0.13	1.58e-03	-0.05	3.83
499	204	-1.20	9.84e-03	1.95e-04	-0.19	0.0	-12.83	-5.37	-0.03	9.88e-03	9.84e-03	-1.20
		-4.48	-0.01	2.48e-04	0.0	60.0	-12.83	-5.56	-0.03	9.88e-03	-0.01	-4.48
499	207	5.84	8.38e-03	-2.39e-04	-0.19	0.0	17.16	5.89	0.03	-9.30e-03	-0.02	2.36
		2.36	-0.02	-2.44e-04	0.0	60.0	17.16	5.70	0.03	-9.30e-03	8.38e-03	5.84
499	229	-0.65	0.06	1.51e-04	-0.19	0.0	2.32	-3.73	0.15	-1.29e-03	-0.03	-0.65
		-2.94	-0.03	3.80e-05	0.0	60.0	2.32	-3.91	0.15	-1.29e-03	0.06	-2.94
499	230	4.30	0.03	-1.94e-04	-0.19	0.0	2.01	4.24	-0.15	1.86e-03	0.03	1.82
		1.82	-0.06	-3.47e-05	0.0	60.0	2.01	4.05	-0.15	1.86e-03	-0.06	4.30
500	15	0.02	0.03	8.85e-05	-0.24	0.0	-2.32	-0.93	-0.25	2.96e-04	0.03	0.02
		-0.61	-0.11	1.80e-05	0.0	60.0	-2.32	-1.18	-0.25	2.96e-04	-0.11	-0.61
500	18	-0.13	0.03	8.98e-05	-0.24	0.0	-2.16	-1.21	-0.25	3.74e-04	0.03	-0.13
		-0.93	-0.12	1.80e-05	0.0	60.0	-2.16	-1.45	-0.25	3.74e-04	-0.12	-0.93
500	20	0.04	0.04	6.90e-05	-0.19	0.0	-2.07	-0.68	-0.25	2.32e-04	0.04	0.04
		-0.42	-0.11	1.84e-05	0.0	60.0	-2.07	-0.87	-0.25	2.32e-04	-0.11	-0.42
500	28	-0.21	0.02	8.88e-05	-0.24	0.0	-0.19	-1.35	0.06	4.18e-04	-0.02	-0.21
		-1.10	-0.02	-8.24e-06	0.0	60.0	-0.19	-1.60	0.06	4.18e-04	0.02	-1.10
500	45	0.02	0.04	6.69e-05	-0.19	0.0	0.31	-0.71	0.12	2.25e-04	-0.03	0.02
		-0.47	-0.03	-1.23e-05	0.0	60.0	0.31	-0.90	0.12	2.25e-04	0.04	-0.47
500	48	-0.14	0.04	6.82e-05	-0.19	0.0	0.48	-0.99	0.11	3.02e-04	-0.03	-0.14

500	72	-0.78	-0.03	-1.24e-05	0.0	60.0	0.48	-1.17	0.11	3.02e-04	0.04	-0.78
		0.03	0.02	6.79e-05	-0.19	0.0	-1.68	-0.70	-0.17	2.26e-04	0.02	0.03
		-0.45	-0.08	1.19e-05	0.0	60.0	-1.68	-0.89	-0.17	2.26e-04	-0.08	-0.45
500	73	0.03	0.02	6.85e-05	-0.19	0.0	-1.67	-0.70	-0.17	2.40e-04	0.02	0.03
		-0.45	-0.08	1.19e-05	0.0	60.0	-1.67	-0.89	-0.17	2.40e-04	-0.08	-0.45
500	75	-0.08	0.02	6.88e-05	-0.19	0.0	-1.57	-0.89	-0.17	2.78e-04	0.02	-0.08
		-0.66	-0.08	1.19e-05	0.0	60.0	-1.57	-1.07	-0.17	2.78e-04	-0.08	-0.66
500	80	-0.13	0.01	6.82e-05	-0.19	0.0	-0.26	-0.98	0.04	3.07e-04	-0.01	-0.13
		-0.78	-0.01	-5.61e-06	0.0	60.0	-0.26	-1.17	0.04	3.07e-04	0.01	-0.78
500	85	0.01	0.03	6.71e-05	-0.19	0.0	-0.08	-0.72	0.08	2.36e-04	-0.02	0.01
		-0.48	-0.02	-8.55e-06	0.0	60.0	-0.08	-0.91	0.08	2.36e-04	0.03	-0.48
500	88	-0.09	0.03	6.79e-05	-0.19	0.0	0.03	-0.91	0.07	2.87e-04	-0.02	-0.09
		-0.69	-0.02	-8.61e-06	0.0	60.0	0.03	-1.10	0.07	2.87e-04	0.03	-0.69
500	98	-0.08	-4.62e-03	6.76e-05	-0.19	0.0	-0.81	-0.89	-5.73e-03	2.83e-04	-4.62e-03	-0.08
		-0.68	-8.06e-03	-1.04e-06	0.0	60.0	-0.81	-1.08	-5.73e-03	2.83e-04	-8.06e-03	-0.68
500	102	0.02	1.54e-03	6.75e-05	-0.19	0.0	-1.06	-0.71	-0.04	2.42e-04	1.54e-03	0.02
		-0.46	-0.02	1.60e-06	0.0	60.0	-1.06	-0.90	-0.04	2.42e-04	-0.02	-0.46
500	103	-0.07	7.83e-04	6.77e-05	-0.19	0.0	-0.98	-0.86	-0.04	2.74e-04	7.83e-04	-0.07
		-0.64	-0.02	1.55e-06	0.0	60.0	-0.98	-1.05	-0.04	2.74e-04	-0.02	-0.64
500	105	-0.07	-1.11e-03	6.75e-05	-0.19	0.0	-0.66	-0.87	0.01	2.76e-04	-7.39e-03	-0.07
		-0.65	-7.39e-03	-2.55e-06	0.0	60.0	-0.66	-1.06	0.01	2.76e-04	-1.11e-03	-0.65
500	106	0.02	-3.74e-03	6.74e-05	-0.19	0.0	-0.90	-0.71	-4.44e-03	2.45e-04	-3.74e-03	0.02
		-0.46	-6.40e-03	0.0	0.0	60.0	-0.90	-0.90	-4.44e-03	2.45e-04	-6.40e-03	-0.46
500	107	-0.07	-4.49e-03	6.76e-05	-0.19	0.0	-0.82	-0.87	-5.55e-03	2.78e-04	-4.49e-03	-0.07
		-0.65	-7.82e-03	-1.03e-06	0.0	60.0	-0.82	-1.05	-5.55e-03	2.78e-04	-7.82e-03	-0.65
500	108	-3.47	8.95e-03	1.35e-04	-0.19	0.0	-14.60	-5.65	-0.06	7.83e-03	8.95e-03	-3.47
		-6.92	-0.03	1.87e-04	0.0	60.0	-14.60	-5.84	-0.06	7.83e-03	-0.03	-6.92
500	111	5.63	0.01	-1.69e-05	-0.19	0.0	12.96	3.92	0.05	-7.28e-03	-0.02	5.63
		3.33	-0.02	-1.89e-04	0.0	60.0	12.96	3.73	0.05	-7.28e-03	0.01	3.33
500	113	-3.50	-1.62e-03	1.35e-04	-0.19	0.0	-10.90	-5.72	6.33e-03	7.84e-03	-4.41e-03	-3.50
		-6.99	-4.41e-03	1.85e-04	0.0	60.0	-10.90	-5.91	6.33e-03	7.84e-03	-1.62e-03	-6.99
500	114	5.70	-4.58e-03	-1.70e-05	-0.19	0.0	9.26	3.99	-0.02	-7.29e-03	-4.58e-03	5.70
		3.36	-0.01	-1.88e-04	0.0	60.0	9.26	3.80	-0.02	-7.29e-03	-0.01	3.36
500	124	-2.41	0.02	1.10e-04	-0.19	0.0	-12.59	-4.12	-0.12	-8.71e-04	0.02	-2.41
		-4.94	-0.05	4.21e-05	0.0	60.0	-12.59	-4.31	-0.12	-8.71e-04	-0.05	-4.94
500	127	3.65	0.04	2.50e-05	-0.19	0.0	10.95	2.38	0.11	1.43e-03	-0.03	3.65
		2.27	-0.03	-4.41e-05	0.0	60.0	10.95	2.20	0.11	1.43e-03	0.04	2.27
500	140	-3.89	0.01	1.43e-04	-0.19	0.0	-16.32	-6.25	-0.06	8.78e-03	0.01	-3.89
		-7.70	-0.03	2.11e-04	0.0	60.0	-16.32	-6.44	-0.06	8.78e-03	-0.03	-7.70
500	143	6.41	0.01	-2.38e-05	-0.19	0.0	14.68	4.52	0.05	-8.23e-03	-0.02	6.41
		3.76	-0.02	-2.13e-04	0.0	60.0	14.68	4.33	0.05	-8.23e-03	0.01	3.76
500	145	-3.92	-8.68e-04	1.43e-04	-0.19	0.0	-12.17	-6.33	7.76e-03	8.79e-03	-4.39e-03	-3.92
		-7.78	-4.39e-03	2.09e-04	0.0	60.0	-12.17	-6.52	7.76e-03	8.79e-03	-8.68e-04	-7.78
500	146	6.49	-4.60e-03	-2.38e-05	-0.19	0.0	10.53	4.60	-0.02	-8.24e-03	-4.60e-03	6.49
		3.79	-0.01	-2.11e-04	0.0	60.0	10.53	4.41	-0.02	-8.24e-03	-0.01	3.79
500	156	-2.70	0.03	1.16e-04	-0.19	0.0	-14.06	-4.52	-0.14	-1.02e-03	0.03	-2.70
		-5.47	-0.06	4.72e-05	0.0	60.0	-14.06	-4.71	-0.14	-1.02e-03	-0.06	-5.47
500	159	4.18	0.04	1.97e-05	-0.19	0.0	12.42	2.79	0.13	1.58e-03	-0.03	4.18
		2.56	-0.03	-4.93e-05	0.0	60.0	12.42	2.60	0.13	1.58e-03	0.04	2.56
500	172	-3.70	9.93e-03	1.37e-04	-0.19	0.0	-15.64	-5.99	-0.06	8.55e-03	9.93e-03	-3.70
		-7.35	-0.03	2.08e-04	0.0	60.0	-15.64	-6.17	-0.06	8.55e-03	-0.03	-7.35
500	175	6.06	0.01	-1.95e-05	-0.19	0.0	14.00	4.25	0.05	-7.99e-03	-0.02	6.06
		3.57	-0.02	-2.11e-04	0.0	60.0	14.00	4.07	0.05	-7.99e-03	0.01	3.57
500	177	-3.74	-9.92e-04	1.38e-04	-0.19	0.0	-11.67	-6.07	8.12e-03	8.56e-03	-4.65e-03	-3.74
		-7.43	-4.65e-03	2.07e-04	0.0	60.0	-11.67	-6.26	8.12e-03	8.56e-03	-9.92e-04	-7.43
500	178	6.14	-4.34e-03	-1.98e-05	-0.19	0.0	10.03	4.33	-0.02	-8.00e-03	-4.34e-03	6.14
		3.60	-0.01	-2.09e-04	0.0	60.0	10.03	4.15	-0.02	-8.00e-03	-0.01	3.60
500	188	-2.58	0.02	1.14e-04	-0.19	0.0	-13.67	-4.35	-0.14	-1.05e-03	0.02	-2.58
		-5.25	-0.06	4.38e-05	0.0	60.0	-13.67	-4.54	-0.14	-1.05e-03	-0.06	-5.25
500	191	3.96	0.04	2.12e-05	-0.19	0.0	12.03	2.62	0.12	1.60e-03	-0.03	3.96
		2.45	-0.03	-4.59e-05	0.0	60.0	12.03	2.43	0.12	1.60e-03	0.04	2.45
500	204	-4.23	0.01	1.46e-04	-0.19	0.0	-17.84	-6.73	-0.07	9.87e-03	0.01	-4.23
		-8.33	-0.03	2.44e-04	0.0	60.0	-17.84	-6.92	-0.07	9.87e-03	-0.03	-8.33
500	207	7.04	0.02	-2.72e-05	-0.19	0.0	16.20	5.00	0.06	-9.31e-03	-0.02	7.04
		4.10	-0.02	-2.46e-04	0.0	60.0	16.20	4.81	0.06	-9.31e-03	0.02	4.10
500	209	-4.27	1.56e-04	1.46e-04	-0.19	0.0	-13.27	-6.83	0.01	9.87e-03	-4.85e-03	-4.27
		-8.42	-4.85e-03	2.42e-04	0.0	60.0	-13.27	-7.02	0.01	9.87e-03	1.56e-04	-8.42
500	210	7.13	-4.14e-03	-2.76e-05	-0.19	0.0	11.62	5.09	-0.02	-9.32e-03	-4.14e-03	7.13
		4.13	-0.02	-2.44e-04	0.0	60.0	11.62	4.91	-0.02	-9.32e-03	-0.02	4.13
500	220	-2.96	0.03	1.21e-04	-0.19	0.0	-15.67	-4.87	-0.16	-1.33e-03	0.03	-2.96
		-5.94	-0.07	4.96e-05	0.0	60.0	-15.67	-5.06	-0.16	-1.33e-03	-0.07	-5.94
500	223	4.65	0.05	1.42e-05	-0.19	0.0	14.03	3.14	0.15	1.88e-03	-0.04	4.65
		2.82	-0.04	-5.16e-05	0.0	60.0	14.03	2.95	0.15	1.88e-03	0.05	2.82
501	8	0.42	0.05	8.00e-05	-0.19	0.0	0.53	-0.25	-0.22	-8.18e-03	0.05	0.42
		0.21	-0.08	1.90e-05	0.0	60.0	0.53	-0.44	-0.22	-8.18e-03	-0.08	0.21

501	18	0.60	0.08	7.79e-05	-0.24	0.0	0.89	-0.17	-0.37	-9.06e-03	0.08	0.60
		0.42	-0.14	2.88e-05	0.0	60.0	0.89	-0.42	-0.37	-9.06e-03	-0.14	0.42
501	19	0.55	0.09	2.12e-05	-0.19	0.0	1.05	0.09	-0.37	-4.48e-03	0.09	0.54
		0.54	-0.14	2.60e-05	0.0	60.0	1.05	-0.10	-0.37	-4.48e-03	-0.14	0.54
501	22	0.45	0.08	6.46e-05	-0.19	0.0	0.43	-0.16	-0.37	-7.26e-03	0.08	0.45
		0.30	-0.14	2.79e-05	0.0	60.0	0.43	-0.35	-0.37	-7.26e-03	-0.14	0.30
501	41	0.70	0.06	3.05e-05	-0.24	0.0	3.19	0.10	0.19	-6.06e-03	-0.05	0.68
		0.67	-0.05	-1.21e-05	0.0	60.0	3.19	-0.14	0.19	-6.06e-03	0.06	0.67
501	68	0.45	0.03	6.30e-05	-0.19	0.0	0.93	-0.15	-0.15	-7.12e-03	0.03	0.45
		0.30	-0.06	1.35e-05	0.0	60.0	0.93	-0.34	-0.15	-7.12e-03	-0.06	0.30
501	72	0.54	0.06	2.37e-05	-0.19	0.0	1.28	0.08	-0.25	-4.65e-03	0.06	0.53
		0.52	-0.09	1.81e-05	0.0	60.0	1.28	-0.11	-0.25	-4.65e-03	-0.09	0.52
501	75	0.47	0.06	5.27e-05	-0.19	0.0	0.87	-0.09	-0.25	-6.51e-03	0.06	0.47
		0.36	-0.09	1.94e-05	0.0	60.0	0.87	-0.28	-0.25	-6.51e-03	-0.09	0.36
501	85	0.54	0.04	2.11e-05	-0.19	0.0	2.40	0.09	0.12	-4.51e-03	-0.03	0.53
		0.53	-0.03	-7.88e-06	0.0	60.0	2.40	-0.10	0.12	-4.51e-03	0.04	0.53
501	98	0.48	-2.69e-03	4.76e-05	-0.19	0.0	1.46	-0.06	6.55e-04	-6.09e-03	-3.08e-03	0.48
		0.38	-3.08e-03	3.20e-06	0.0	60.0	1.46	-0.25	6.55e-04	-6.09e-03	-2.69e-03	0.38
501	102	0.54	9.21e-03	2.26e-05	-0.19	0.0	1.71	0.09	-0.05	-4.59e-03	9.21e-03	0.53
		0.53	-0.02	5.31e-06	0.0	60.0	1.71	-0.10	-0.05	-4.59e-03	-0.02	0.53
501	103	0.48	8.69e-03	4.43e-05	-0.19	0.0	1.40	-0.04	-0.05	-5.89e-03	8.69e-03	0.48
		0.40	-0.02	6.24e-06	0.0	60.0	1.40	-0.23	-0.05	-5.89e-03	-0.02	0.40
501	104	0.54	6.68e-03	2.21e-05	-0.19	0.0	1.94	0.09	0.03	-4.56e-03	-8.48e-03	0.53
		0.53	-8.48e-03	0.0	0.0	60.0	1.94	-0.10	0.03	-4.56e-03	6.68e-03	0.53
501	106	0.54	-2.18e-03	2.23e-05	-0.19	0.0	1.82	0.09	4.87e-04	-4.57e-03	-2.48e-03	0.53
		0.53	-2.48e-03	2.11e-06	0.0	60.0	1.82	-0.10	4.87e-04	-4.57e-03	-2.18e-03	0.53
501	107	0.48	-2.61e-03	4.40e-05	-0.19	0.0	1.51	-0.04	6.31e-04	-5.87e-03	-2.99e-03	0.48
		0.40	-2.99e-03	3.04e-06	0.0	60.0	1.51	-0.23	6.31e-04	-5.87e-03	-2.61e-03	0.40
501	108	-0.93	0.02	1.86e-05	-0.19	0.0	-10.64	-4.41	0.01	1.74e-03	0.02	-0.93
		-3.63	3.57e-03	1.94e-04	0.0	60.0	-10.64	-4.60	0.01	1.74e-03	3.57e-03	-3.63
501	111	4.44	-8.79e-03	7.21e-05	-0.19	0.0	13.66	4.33	-0.01	-0.01	-0.02	1.90
		1.90	-0.02	-1.88e-04	0.0	60.0	13.66	4.14	-0.01	-0.01	-8.79e-03	4.44
501	125	1.17	0.06	-5.44e-05	-0.19	0.0	5.57	0.76	0.15	-3.61e-04	-0.03	0.77
		0.77	-0.03	6.35e-05	0.0	60.0	5.57	0.57	0.15	-3.61e-04	0.06	1.17
501	126	0.20	0.02	1.42e-04	-0.19	0.0	-2.56	-0.84	-0.15	-0.01	0.02	0.20
		-0.36	-0.06	-5.74e-05	0.0	60.0	-2.56	-1.02	-0.15	-0.01	-0.06	-0.36
501	140	-1.11	0.02	1.74e-05	-0.19	0.0	-12.15	-4.95	0.02	2.70e-03	0.02	-1.11
		-4.14	4.37e-03	2.18e-04	0.0	60.0	-12.15	-5.14	0.02	2.70e-03	4.37e-03	-4.14
501	143	4.95	-9.60e-03	7.52e-05	-0.19	0.0	15.17	4.88	-0.02	-0.01	-0.02	2.08
		2.08	-0.02	-2.12e-04	0.0	60.0	15.17	4.69	-0.02	-0.01	-9.60e-03	4.95
501	157	1.26	0.06	-6.66e-05	-0.19	0.0	6.07	0.85	0.17	3.50e-04	-0.03	0.80
		0.80	-0.03	7.16e-05	0.0	60.0	6.07	0.67	0.17	3.50e-04	0.06	1.26
501	158	0.17	0.02	1.55e-04	-0.19	0.0	-3.06	-0.93	-0.17	-0.01	0.02	0.17
		-0.45	-0.07	-6.55e-05	0.0	60.0	-3.06	-1.12	-0.17	-0.01	-0.07	-0.45
501	172	-1.03	0.02	2.87e-05	-0.19	0.0	-11.53	-4.71	0.02	2.69e-03	0.02	-1.03
		-3.91	4.19e-03	2.16e-04	0.0	60.0	-11.53	-4.90	0.02	2.69e-03	4.19e-03	-3.91
501	175	4.72	-9.41e-03	6.02e-05	-0.19	0.0	14.55	4.63	-0.01	-0.01	-0.02	2.00
		2.00	-0.02	-2.10e-04	0.0	60.0	14.55	4.45	-0.01	-0.01	-9.41e-03	4.72
501	189	1.24	0.06	-6.18e-05	-0.19	0.0	6.06	0.84	0.16	4.01e-04	-0.03	0.80
		0.80	-0.03	7.48e-05	0.0	60.0	6.06	0.65	0.16	4.01e-04	0.06	1.24
501	190	0.17	0.02	1.50e-04	-0.19	0.0	-3.05	-0.92	-0.16	-0.01	0.02	0.17
		-0.43	-0.07	-6.87e-05	0.0	60.0	-3.05	-1.10	-0.16	-0.01	-0.07	-0.43
501	204	-1.25	0.02	3.43e-05	-0.19	0.0	-13.45	-5.39	0.02	4.18e-03	0.02	-1.25
		-4.54	5.29e-03	2.53e-04	0.0	60.0	-13.45	-5.58	0.02	4.18e-03	5.29e-03	-4.54
501	207	5.35	-0.01	5.47e-05	-0.19	0.0	16.47	5.31	-0.02	-0.02	-0.03	2.22
		2.22	-0.03	-2.46e-04	0.0	60.0	16.47	5.13	-0.02	-0.02	-0.01	5.35
501	221	1.38	0.07	-7.69e-05	-0.19	0.0	6.83	0.98	0.19	1.56e-03	-0.03	0.85
		0.85	-0.03	8.97e-05	0.0	60.0	6.83	0.79	0.19	1.56e-03	0.07	1.38
501	222	0.12	0.03	1.65e-04	-0.19	0.0	-3.81	-1.06	-0.19	-0.01	0.03	0.12
		-0.57	-0.08	-8.36e-05	0.0	60.0	-3.81	-1.25	-0.19	-0.01	-0.08	-0.57
502	4	-0.64	0.01	1.76e-04	-0.24	0.0	-2.83	-1.76	-0.17	-9.99e-03	0.01	-0.64
		-1.77	-0.09	1.16e-05	0.0	60.0	-2.83	-2.01	-0.17	-9.99e-03	-0.09	-1.77
502	18	-0.52	0.03	1.68e-04	-0.24	0.0	-2.69	-1.63	-0.28	-9.07e-03	0.03	-0.52
		-1.57	-0.13	2.09e-05	0.0	60.0	-2.69	-1.87	-0.28	-9.07e-03	-0.13	-1.57
502	19	-0.13	0.04	1.06e-04	-0.19	0.0	-1.50	-0.92	-0.27	-4.49e-03	0.04	-0.13
		-0.74	-0.12	2.15e-05	0.0	60.0	-1.50	-1.11	-0.27	-4.49e-03	-0.12	-0.74
502	28	-0.65	6.97e-03	1.71e-04	-0.24	0.0	-2.41	-1.75	0.06	-9.86e-03	-0.03	-0.65
		-1.78	-0.03	-1.11e-05	0.0	60.0	-2.41	-2.00	0.06	-9.86e-03	6.97e-03	-1.78
502	45	-0.15	0.04	9.87e-05	-0.19	0.0	-0.81	-0.91	0.12	-4.27e-03	-0.03	-0.15
		-0.75	-0.03	-1.64e-05	0.0	60.0	-0.81	-1.10	0.12	-4.27e-03	0.04	-0.75
502	68	-0.43	7.81e-03	1.30e-04	-0.19	0.0	-2.01	-1.28	-0.12	-7.13e-03	7.81e-03	-0.43
		-1.26	-0.06	7.53e-06	0.0	60.0	-2.01	-1.47	-0.12	-7.13e-03	-0.06	-1.26
502	72	-0.15	0.02	1.06e-04	-0.19	0.0	-1.44	-0.95	-0.18	-4.66e-03	0.02	-0.15
		-0.78	-0.09	1.37e-05	0.0	60.0	-1.44	-1.13	-0.18	-4.66e-03	-0.09	-0.78
502	75	-0.35	0.02	1.24e-04	-0.19	0.0	-1.92	-1.19	-0.19	-6.51e-03	0.02	-0.35

		-1.12	-0.09	1.37e-05	0.0	60.0	-1.92	-1.38	-0.19	-6.51e-03	-0.09	-1.12
502	80	-0.44	3.32e-03	1.27e-04	-0.19	0.0	-1.74	-1.28	0.04	-7.04e-03	-0.02	-0.44
		-1.26	-0.02	-7.60e-06	0.0	60.0	-1.74	-1.46	0.04	-7.04e-03	3.32e-03	-1.26
502	85	-0.17	0.02	1.02e-04	-0.19	0.0	-0.98	-0.94	0.08	-4.52e-03	-0.02	-0.17
		-0.79	-0.02	-1.15e-05	0.0	60.0	-0.98	-1.12	0.08	-4.52e-03	0.02	-0.79
502	98	-0.34	-9.05e-03	1.19e-04	-0.19	0.0	-1.64	-1.16	-0.01	-6.09e-03	-9.05e-03	-0.34
		-1.10	-0.02	-1.72e-06	0.0	60.0	-1.64	-1.35	-0.01	-6.09e-03	-0.02	-1.10
502	102	-0.16	-8.87e-04	1.04e-04	-0.19	0.0	-1.27	-0.94	-0.04	-4.60e-03	-8.87e-04	-0.16
		-0.78	-0.03	1.40e-06	0.0	60.0	-1.27	-1.13	-0.04	-4.60e-03	-0.03	-0.78
502	103	-0.32	-2.71e-03	1.17e-04	-0.19	0.0	-1.63	-1.13	-0.05	-5.89e-03	-2.71e-03	-0.32
		-1.05	-0.03	1.40e-06	0.0	60.0	-1.63	-1.32	-0.05	-5.89e-03	-0.03	-1.05
502	104	-0.16	-5.27e-03	1.03e-04	-0.19	0.0	-1.17	-0.94	7.73e-03	-4.57e-03	-9.91e-03	-0.16
		-0.78	-9.91e-03	-3.66e-06	0.0	60.0	-1.17	-1.12	7.73e-03	-4.57e-03	-5.27e-03	-0.78
502	106	-0.16	-6.92e-03	1.04e-04	-0.19	0.0	-1.22	-0.94	-9.55e-03	-4.58e-03	-6.92e-03	-0.16
		-0.78	-0.01	-1.70e-06	0.0	60.0	-1.22	-1.13	-9.55e-03	-4.58e-03	-0.01	-0.78
502	107	-0.32	-8.75e-03	1.16e-04	-0.19	0.0	-1.58	-1.13	-0.01	-5.88e-03	-8.75e-03	-0.32
		-1.05	-0.02	-1.72e-06	0.0	60.0	-1.58	-1.32	-0.01	-5.88e-03	-0.02	-1.05
502	108	-3.55	-0.02	1.71e-04	-0.19	0.0	-13.39	-5.66	-0.14	1.73e-03	-0.02	-3.55
		-7.00	-0.08	1.83e-04	0.0	60.0	-13.39	-5.85	-0.14	1.73e-03	-0.08	-7.00
502	111	4.90	0.05	6.20e-05	-0.19	0.0	10.23	3.41	0.12	-0.01	2.61e-03	2.91
		2.91	2.61e-03	-1.87e-04	0.0	60.0	10.23	3.22	0.12	-0.01	0.05	4.90
502	113	-3.58	-0.03	1.67e-04	-0.19	0.0	-13.19	-5.73	-0.07	1.70e-03	-0.03	-3.58
		-7.07	-0.04	1.85e-04	0.0	60.0	-13.19	-5.92	-0.07	1.70e-03	-0.04	-7.07
502	114	4.97	0.01	6.57e-05	-0.19	0.0	10.03	3.48	0.04	-0.01	9.79e-03	2.94
		2.94	9.79e-03	-1.89e-04	0.0	60.0	10.03	3.29	0.04	-0.01	0.01	4.97
502	124	-2.52	9.74e-04	1.50e-04	-0.19	0.0	-10.05	-4.18	-0.19	-6.29e-03	9.74e-04	-2.52
		-5.09	-0.11	4.00e-05	0.0	60.0	-10.05	-4.37	-0.19	-6.29e-03	-0.11	-5.09
502	127	2.99	0.07	8.28e-05	-0.19	0.0	6.88	1.93	0.17	-5.47e-03	-0.02	1.89
		1.89	-0.02	-4.34e-05	0.0	60.0	6.88	1.74	0.17	-5.47e-03	0.07	2.99
502	140	-3.95	-0.02	1.78e-04	-0.19	0.0	-14.86	-6.23	-0.16	2.69e-03	-0.02	-3.95
		-7.75	-0.09	2.07e-04	0.0	60.0	-14.86	-6.42	-0.16	2.69e-03	-0.09	-7.75
502	143	5.64	0.06	5.52e-05	-0.19	0.0	11.70	3.97	0.13	-0.01	4.07e-03	3.32
		3.32	4.07e-03	-2.10e-04	0.0	60.0	11.70	3.79	0.13	-0.01	0.06	5.64
502	145	-3.98	-0.03	1.74e-04	-0.19	0.0	-14.64	-6.31	-0.08	2.66e-03	-0.03	-3.98
		-7.83	-0.05	2.09e-04	0.0	60.0	-14.64	-6.50	-0.08	2.66e-03	-0.05	-7.83
502	146	5.72	0.02	5.94e-05	-0.19	0.0	11.48	4.05	0.05	-0.01	0.01	3.35
		3.35	0.01	-2.12e-04	0.0	60.0	11.48	3.87	0.05	-0.01	0.02	5.72
502	156	-2.80	2.14e-03	1.54e-04	-0.19	0.0	-11.09	-4.56	-0.21	-6.36e-03	2.14e-03	-2.80
		-5.59	-0.12	4.49e-05	0.0	60.0	-11.09	-4.75	-0.21	-6.36e-03	-0.12	-5.59
502	159	3.49	0.09	7.85e-05	-0.19	0.0	7.93	2.30	0.19	-5.40e-03	-0.02	2.16
		2.16	-0.02	-4.83e-05	0.0	60.0	7.93	2.12	0.19	-5.40e-03	0.09	3.49
502	172	-3.78	-0.02	1.75e-04	-0.19	0.0	-14.26	-5.99	-0.15	2.68e-03	-0.02	-3.78
		-7.43	-0.08	2.05e-04	0.0	60.0	-14.26	-6.18	-0.15	2.68e-03	-0.08	-7.43
502	175	5.33	0.05	5.77e-05	-0.19	0.0	11.09	3.73	0.13	-0.01	4.18e-03	3.14
		3.14	4.18e-03	-2.08e-04	0.0	60.0	11.09	3.55	0.13	-0.01	0.05	5.33
502	177	-3.81	-0.03	1.71e-04	-0.19	0.0	-14.03	-6.07	-0.07	2.65e-03	-0.03	-3.81
		-7.51	-0.04	2.07e-04	0.0	60.0	-14.03	-6.26	-0.07	2.65e-03	-0.04	-7.51
502	178	5.41	0.01	6.16e-05	-0.19	0.0	10.86	3.82	0.05	-0.01	0.01	3.18
		3.18	0.01	-2.11e-04	0.0	60.0	10.86	3.63	0.05	-0.01	0.01	5.41
502	188	-2.69	1.67e-03	1.54e-04	-0.19	0.0	-10.73	-4.41	-0.21	-6.41e-03	1.67e-03	-2.69
		-5.39	-0.12	4.13e-05	0.0	60.0	-10.73	-4.60	-0.21	-6.41e-03	-0.12	-5.39
502	191	3.29	0.08	7.89e-05	-0.19	0.0	7.57	2.15	0.18	-5.35e-03	-0.02	2.05
		2.05	-0.02	-4.48e-05	0.0	60.0	7.57	1.97	0.18	-5.35e-03	0.08	3.29
502	204	-4.28	-0.02	1.84e-04	-0.19	0.0	-16.13	-6.70	-0.17	4.17e-03	-0.02	-4.28
		-8.36	-0.09	2.40e-04	0.0	60.0	-16.13	-6.89	-0.17	4.17e-03	-0.09	-8.36
502	207	6.26	0.06	4.88e-05	-0.19	0.0	12.97	4.45	0.15	-0.02	6.48e-03	3.65
		3.65	6.48e-03	-2.43e-04	0.0	60.0	12.97	4.26	0.15	-0.02	0.06	6.26
502	209	-4.32	-0.03	1.80e-04	-0.19	0.0	-15.86	-6.80	-0.08	4.13e-03	-0.03	-4.32
		-8.46	-0.05	2.43e-04	0.0	60.0	-15.86	-6.99	-0.08	4.13e-03	-0.05	-8.46
502	210	6.36	0.02	5.34e-05	-0.19	0.0	12.70	4.55	0.06	-0.02	0.02	3.69
		3.69	0.02	-2.47e-04	0.0	60.0	12.70	4.36	0.06	-0.02	0.02	6.36
502	220	-3.04	3.45e-03	1.60e-04	-0.19	0.0	-12.12	-4.90	-0.24	-6.55e-03	3.45e-03	-3.04
		-6.04	-0.13	4.64e-05	0.0	60.0	-12.12	-5.09	-0.24	-6.55e-03	-0.13	-6.04
502	223	3.94	0.10	7.27e-05	-0.19	0.0	8.96	2.64	0.21	-5.21e-03	-0.02	2.41
		2.41	-0.02	-4.98e-05	0.0	60.0	8.96	2.46	0.21	-5.21e-03	0.10	3.94
503	4	1.07	0.12	-1.18e-04	-0.24	0.0	-4.56	0.25	-0.46	6.70e-03	0.12	0.99
		0.99	-0.16	3.91e-05	0.0	60.0	-4.56	9.37e-03	-0.46	6.70e-03	-0.16	1.07
503	12	0.73	0.12	-5.95e-05	-0.19	0.0	-2.84	0.16	-0.46	2.92e-03	0.12	0.69
		0.69	-0.16	3.25e-05	0.0	60.0	-2.84	-0.03	-0.46	2.92e-03	-0.16	0.73
503	18	1.04	0.19	-1.06e-04	-0.24	0.0	-4.35	0.24	-0.77	6.02e-03	0.19	0.97
		0.97	-0.27	5.39e-05	0.0	60.0	-4.35	-1.83e-03	-0.77	6.02e-03	-0.27	1.04
503	19	0.74	0.19	-5.23e-05	-0.19	0.0	-2.81	0.17	-0.77	3.35e-03	0.19	0.70
		0.70	-0.27	4.73e-05	0.0	60.0	-2.81	-0.02	-0.77	3.35e-03	-0.27	0.74
503	27	1.09	0.08	-1.13e-04	-0.24	0.0	-4.41	0.27	0.23	6.81e-03	-0.05	1.00
		1.00	-0.05	2.04e-06	0.0	60.0	-4.41	0.02	0.23	6.81e-03	0.08	1.09

503	45	0.76	0.14	-5.11e-05	-0.19	0.0	-2.61	0.18	0.38	3.20e-03	-0.09	0.71
		0.71	-0.09	-1.33e-05	0.0	60.0	-2.61	-4.75e-03	0.38	3.20e-03	0.14	0.76
503	68	0.81	0.08	-8.42e-05	-0.19	0.0	-3.38	0.19	-0.31	4.85e-03	0.08	0.75
		0.75	-0.11	2.68e-05	0.0	60.0	-3.38	3.88e-03	-0.31	4.85e-03	-0.11	0.81
503	69	0.74	0.08	-5.94e-05	-0.19	0.0	-2.85	0.17	-0.31	3.14e-03	0.08	0.70
		0.70	-0.11	2.43e-05	0.0	60.0	-2.85	-0.02	-0.31	3.14e-03	-0.11	0.74
503	72	0.75	0.13	-5.46e-05	-0.19	0.0	-2.83	0.17	-0.51	3.43e-03	0.13	0.70
		0.70	-0.18	3.42e-05	0.0	60.0	-2.83	-0.01	-0.51	3.43e-03	-0.18	0.75
503	75	0.79	0.13	-7.61e-05	-0.19	0.0	-3.24	0.18	-0.51	4.40e-03	0.13	0.74
		0.74	-0.18	3.67e-05	0.0	60.0	-3.24	-3.58e-03	-0.51	4.40e-03	-0.18	0.79
503	79	0.82	0.06	-8.12e-05	-0.19	0.0	-3.27	0.20	0.15	4.92e-03	-0.04	0.76
		0.76	-0.04	2.15e-06	0.0	60.0	-3.27	0.01	0.15	4.92e-03	0.06	0.82
503	85	0.76	0.09	-5.38e-05	-0.19	0.0	-2.69	0.18	0.25	3.33e-03	-0.06	0.71
		0.71	-0.06	-6.25e-06	0.0	60.0	-2.69	-6.18e-03	0.25	3.33e-03	0.09	0.76
503	98	0.80	2.80e-03	-7.34e-05	-0.19	0.0	-3.15	0.19	-7.29e-04	4.49e-03	2.80e-03	0.74
		0.74	2.37e-03	9.36e-06	0.0	60.0	-3.15	3.04e-03	-7.29e-04	4.49e-03	2.37e-03	0.80
503	99	0.75	2.20e-03	-5.53e-05	-0.19	0.0	-2.77	0.18	-6.86e-04	3.33e-03	2.20e-03	0.70
		0.70	1.79e-03	7.45e-06	0.0	60.0	-2.77	-0.01	-6.86e-04	3.33e-03	1.79e-03	0.75
503	102	0.75	0.03	-5.44e-05	-0.19	0.0	-2.78	0.18	-0.10	3.40e-03	0.03	0.70
		0.70	-0.03	1.27e-05	0.0	60.0	-2.78	-0.01	-0.10	3.40e-03	-0.03	0.75
503	103	0.79	0.03	-7.07e-05	-0.19	0.0	-3.11	0.19	-0.10	4.34e-03	0.03	0.74
		0.74	-0.03	1.44e-05	0.0	60.0	-3.11	3.46e-04	-0.10	4.34e-03	-0.03	0.79
503	104	0.76	0.02	-5.42e-05	-0.19	0.0	-2.75	0.18	0.05	3.38e-03	-0.01	0.70
		0.70	-0.01	4.57e-06	0.0	60.0	-2.75	-0.01	0.05	3.38e-03	0.02	0.76
503	106	0.75	2.15e-03	-5.43e-05	-0.19	0.0	-2.77	0.18	-6.61e-04	3.39e-03	2.15e-03	0.70
		0.70	1.75e-03	7.27e-06	0.0	60.0	-2.77	-0.01	-6.61e-04	3.39e-03	1.75e-03	0.75
503	107	0.79	2.71e-03	-7.06e-05	-0.19	0.0	-3.10	0.19	-7.19e-04	4.33e-03	2.71e-03	0.74
		0.74	2.28e-03	9.07e-06	0.0	60.0	-3.10	9.63e-04	-7.19e-04	4.33e-03	2.28e-03	0.79
503	108	0.09	-0.02	-1.05e-04	-0.19	0.0	-0.74	-0.16	0.11	9.87e-03	-0.02	0.09
		-0.07	-0.10	3.42e-04	0.0	60.0	-0.74	-0.35	0.11	9.87e-03	-0.10	-0.07
503	111	1.65	0.10	-3.65e-05	-0.19	0.0	-5.45	0.54	-0.11	-1.21e-03	0.03	1.39
		1.39	0.03	-3.24e-04	0.0	60.0	-5.45	0.35	-0.11	-1.21e-03	0.10	1.65
503	132	0.88	0.08	-8.90e-05	-0.19	0.0	-3.62	-0.01	-0.35	8.60e-03	0.08	0.80
		0.80	-0.17	1.98e-04	0.0	60.0	-3.62	-0.20	-0.35	8.60e-03	-0.17	0.88
503	135	0.71	0.18	-5.23e-05	-0.19	0.0	-2.58	0.39	0.35	5.72e-05	-0.07	0.67
		0.67	-0.07	-1.80e-04	0.0	60.0	-2.58	0.20	0.35	5.72e-05	0.18	0.71
503	140	5.78e-03	-0.02	-1.09e-04	-0.19	0.0	-0.45	-0.21	0.12	0.01	-0.02	5.78e-03
		-0.17	-0.11	3.84e-04	0.0	60.0	-0.45	-0.40	0.12	0.01	-0.11	-0.17
503	143	1.76	0.11	-3.22e-05	-0.19	0.0	-5.75	0.59	-0.12	-1.91e-03	0.03	1.47
		1.47	0.03	-3.66e-04	0.0	60.0	-5.75	0.40	-0.12	-1.91e-03	0.11	1.76
503	164	0.88	0.09	-9.14e-05	-0.19	0.0	-3.68	-0.04	-0.39	9.15e-03	0.09	0.81
		0.81	-0.19	2.22e-04	0.0	60.0	-3.68	-0.23	-0.39	9.15e-03	-0.19	0.88
503	167	0.70	0.20	-4.98e-05	-0.19	0.0	-2.51	0.42	0.39	-4.88e-04	-0.08	0.66
		0.66	-0.08	-2.04e-04	0.0	60.0	-2.51	0.23	0.39	-4.88e-04	0.20	0.70
503	172	0.05	-0.02	-1.09e-04	-0.19	0.0	-0.59	-0.18	0.11	0.01	-0.02	0.05
		-0.12	-0.11	3.76e-04	0.0	60.0	-0.59	-0.37	0.11	0.01	-0.11	-0.12
503	175	1.71	0.11	-3.25e-05	-0.19	0.0	-5.60	0.56	-0.12	-1.81e-03	0.03	1.43
		1.43	0.03	-3.58e-04	0.0	60.0	-5.60	0.38	-0.12	-1.81e-03	0.11	1.71
503	196	0.88	0.09	-9.23e-05	-0.19	0.0	-3.68	-0.02	-0.39	9.11e-03	0.09	0.80
		0.80	-0.19	2.25e-04	0.0	60.0	-3.68	-0.21	-0.39	9.11e-03	-0.19	0.88
503	199	0.71	0.20	-4.90e-05	-0.19	0.0	-2.52	0.40	0.39	-4.56e-04	-0.08	0.67
		0.67	-0.08	-2.06e-04	0.0	60.0	-2.52	0.21	0.39	-4.56e-04	0.20	0.71
503	204	-0.05	-0.03	-1.15e-04	-0.19	0.0	-0.23	-0.24	0.13	0.01	-0.03	-0.05
		-0.25	-0.12	4.36e-04	0.0	60.0	-0.23	-0.43	0.13	0.01	-0.12	-0.25
503	207	1.84	0.13	-2.58e-05	-0.19	0.0	-5.96	0.62	-0.13	-2.84e-03	0.03	1.52
		1.52	0.03	-4.18e-04	0.0	60.0	-5.96	0.43	-0.13	-2.84e-03	0.13	1.84
503	228	0.89	0.10	-9.65e-05	-0.19	0.0	-3.78	-0.05	-0.45	9.97e-03	0.10	0.81
		0.81	-0.22	2.64e-04	0.0	60.0	-3.78	-0.24	-0.45	9.97e-03	-0.22	0.89
503	231	0.70	0.23	-4.47e-05	-0.19	0.0	-2.42	0.43	0.45	-1.31e-03	-0.10	0.66
		0.66	-0.10	-2.46e-04	0.0	60.0	-2.42	0.24	0.45	-1.31e-03	0.23	0.70
504	8	0.41	0.04	-9.97e-06	-0.19	0.0	-0.30	-0.18	-0.24	5.47e-03	0.04	0.41
		0.25	-0.10	3.02e-05	0.0	60.0	-0.30	-0.37	-0.24	5.47e-03	-0.10	0.25
504	12	0.23	0.04	1.79e-05	-0.19	0.0	0.47	-0.39	-0.24	2.91e-03	0.04	0.23
		-0.07	-0.11	2.60e-05	0.0	60.0	0.47	-0.58	-0.24	2.91e-03	-0.11	-0.07
504	19	0.26	0.07	2.67e-05	-0.19	0.0	0.57	-0.30	-0.41	3.35e-03	0.07	0.26
		0.02	-0.18	3.59e-05	0.0	60.0	0.57	-0.49	-0.41	3.35e-03	-0.18	0.02
504	27	0.55	0.06	1.85e-06	-0.24	0.0	0.04	-0.20	0.12	6.80e-03	-0.02	0.55
		0.35	-0.02	7.07e-06	0.0	60.0	0.04	-0.44	0.12	6.80e-03	0.06	0.35
504	41	0.39	0.09	3.57e-05	-0.24	0.0	0.94	-0.36	0.20	4.41e-03	-0.03	0.39
		0.10	-0.03	-3.56e-06	0.0	60.0	0.94	-0.61	0.20	4.41e-03	0.09	0.10
504	44	0.48	0.09	7.84e-06	-0.24	0.0	0.28	-0.29	0.20	5.86e-03	-0.03	0.48
		0.23	-0.03	0.0	0.0	60.0	0.28	-0.54	0.20	5.86e-03	0.09	0.23
504	68	0.37	0.03	-1.07e-06	-0.19	0.0	-0.02	-0.21	-0.16	4.84e-03	0.03	0.37
		0.19	-0.07	2.30e-05	0.0	60.0	-0.02	-0.40	-0.16	4.84e-03	-0.07	0.19
504	69	0.25	0.03	1.96e-05	-0.19	0.0	0.49	-0.35	-0.16	3.14e-03	0.03	0.25

		-0.02	-0.07	2.02e-05	0.0	60.0	0.49	-0.54	-0.16	3.14e-03	-0.07	-0.02
504	72	0.27	0.05	2.54e-05	-0.19	0.0	0.56	-0.29	-0.27	3.43e-03	0.05	0.27
		0.04	-0.12	2.68e-05	0.0	60.0	0.56	-0.48	-0.27	3.43e-03	-0.12	0.04
504	79	0.40	0.04	6.27e-06	-0.19	0.0	0.15	-0.17	0.08	4.92e-03	-0.01	0.40
		0.24	-0.01	5.59e-06	0.0	60.0	0.15	-0.36	0.08	4.92e-03	0.04	0.24
504	85	0.29	0.06	2.88e-05	-0.19	0.0	0.75	-0.28	0.13	3.33e-03	-0.02	0.29
		0.06	-0.02	-1.60e-06	0.0	60.0	0.75	-0.47	0.13	3.33e-03	0.06	0.06
504	88	0.35	0.06	1.03e-05	-0.19	0.0	0.31	-0.24	0.13	4.29e-03	-0.02	0.35
		0.15	-0.02	1.25e-06	0.0	60.0	0.31	-0.42	0.13	4.29e-03	0.06	0.15
504	98	0.36	1.84e-03	1.18e-05	-0.19	0.0	0.25	-0.21	-1.05e-03	4.48e-03	1.84e-03	0.36
		0.18	1.21e-03	1.03e-05	0.0	60.0	0.25	-0.40	-1.05e-03	4.48e-03	1.21e-03	0.18
504	99	0.28	1.56e-03	2.58e-05	-0.19	0.0	0.62	-0.30	-1.20e-03	3.33e-03	1.56e-03	0.28
		0.04	8.43e-04	8.22e-06	0.0	60.0	0.62	-0.49	-1.20e-03	3.33e-03	8.43e-04	0.04
504	102	0.28	0.01	2.67e-05	-0.19	0.0	0.62	-0.29	-0.06	3.39e-03	0.01	0.28
		0.05	-0.02	1.18e-05	0.0	60.0	0.62	-0.48	-0.06	3.39e-03	-0.02	0.05
504	104	0.29	0.01	2.74e-05	-0.19	0.0	0.66	-0.29	0.03	3.37e-03	-2.86e-03	0.29
		0.06	-2.86e-03	6.14e-06	0.0	60.0	0.66	-0.47	0.03	3.37e-03	0.01	0.06
504	105	0.35	0.01	1.43e-05	-0.19	0.0	0.33	-0.22	0.03	4.31e-03	-2.63e-03	0.35
		0.16	-2.63e-03	8.09e-06	0.0	60.0	0.33	-0.41	0.03	4.31e-03	0.01	0.16
504	106	0.29	1.57e-03	2.71e-05	-0.19	0.0	0.64	-0.29	-1.26e-03	3.38e-03	1.57e-03	0.29
		0.06	8.10e-04	8.04e-06	0.0	60.0	0.64	-0.48	-1.26e-03	3.38e-03	8.10e-04	0.06
504	107	0.35	1.80e-03	1.40e-05	-0.19	0.0	0.30	-0.22	-1.08e-03	4.33e-03	1.80e-03	0.35
		0.16	1.16e-03	1.00e-05	0.0	60.0	0.30	-0.41	-1.08e-03	4.33e-03	1.16e-03	0.16
504	108	-1.66	0.02	-1.21e-05	-0.19	0.0	2.55	-3.62	0.04	9.86e-03	-5.75e-03	-1.66
		-3.88	-5.75e-03	3.36e-04	0.0	60.0	2.55	-3.80	0.04	9.86e-03	0.02	-3.88
504	111	4.21	9.35e-03	4.00e-05	-0.19	0.0	-1.94	3.17	-0.04	-1.21e-03	9.35e-03	2.36
		2.36	-0.01	-3.16e-04	0.0	60.0	-1.94	2.99	-0.04	-1.21e-03	-0.01	4.21
504	113	-1.61	0.08	7.14e-06	-0.19	0.0	3.53	-3.56	0.19	9.96e-03	-0.03	-1.61
		-3.80	-0.03	3.22e-04	0.0	60.0	3.53	-3.75	0.19	9.96e-03	0.08	-3.80
504	114	4.12	0.04	3.28e-05	-0.19	0.0	-2.92	3.12	-0.19	-1.31e-03	0.04	2.31
		2.31	-0.08	-3.02e-04	0.0	60.0	-2.92	2.93	-0.19	-1.31e-03	-0.08	4.12
504	133	-0.97	0.14	3.00e-05	-0.19	0.0	3.14	-2.52	0.33	3.86e-03	-0.06	-0.97
		-2.54	-0.06	3.42e-05	0.0	60.0	3.14	-2.70	0.33	3.86e-03	0.14	-2.54
504	134	2.86	0.07	-9.97e-06	-0.19	0.0	-2.53	2.07	-0.33	4.79e-03	0.07	1.67
		1.67	-0.13	-1.42e-05	0.0	60.0	-2.53	1.89	-0.33	4.79e-03	-0.13	2.86
504	140	-1.91	0.02	-1.54e-05	-0.19	0.0	2.83	-4.04	0.04	0.01	-6.71e-03	-1.91
		-4.39	-6.71e-03	3.77e-04	0.0	60.0	2.83	-4.23	0.04	0.01	0.02	-4.39
504	143	4.71	0.01	4.33e-05	-0.19	0.0	-2.23	3.60	-0.04	-1.91e-03	0.01	2.61
		2.61	-0.02	-3.57e-04	0.0	60.0	-2.23	3.41	-0.04	-1.91e-03	-0.02	4.71
504	145	-1.85	0.09	7.40e-06	-0.19	0.0	3.93	-3.98	0.21	0.01	-0.04	-1.85
		-4.29	-0.04	3.61e-04	0.0	60.0	3.93	-4.16	0.21	0.01	0.09	-4.29
504	146	4.61	0.04	3.52e-05	-0.19	0.0	-3.32	3.53	-0.22	-2.02e-03	0.04	2.55
		2.55	-0.09	-3.41e-04	0.0	60.0	-3.32	3.35	-0.22	-2.02e-03	-0.09	4.61
504	165	-1.14	0.15	3.20e-05	-0.19	0.0	3.49	-2.80	0.37	3.79e-03	-0.07	-1.14
		-2.87	-0.07	3.67e-05	0.0	60.0	3.49	-2.99	0.37	3.79e-03	0.15	-2.87
504	166	3.20	0.07	-1.21e-05	-0.19	0.0	-2.88	2.36	-0.37	4.86e-03	0.07	1.84
		1.84	-0.15	-1.67e-05	0.0	60.0	-2.88	2.17	-0.37	4.86e-03	-0.15	3.20
504	172	-1.79	0.02	-1.69e-05	-0.19	0.0	2.68	-3.84	0.04	0.01	-6.01e-03	-1.79
		-4.15	-6.01e-03	3.69e-04	0.0	60.0	2.68	-4.03	0.04	0.01	0.02	-4.15
504	175	4.47	9.62e-03	4.49e-05	-0.19	0.0	-2.07	3.40	-0.04	-1.81e-03	9.62e-03	2.49
		2.49	-0.02	-3.49e-04	0.0	60.0	-2.07	3.21	-0.04	-1.81e-03	-0.02	4.47
504	177	-1.73	0.09	-8.82e-06	-0.19	0.0	3.73	-3.78	0.21	0.01	-0.04	-1.73
		-4.05	-0.04	3.53e-04	0.0	60.0	3.73	-3.96	0.21	0.01	0.09	-4.05
504	178	4.38	0.04	3.68e-05	-0.19	0.0	-3.12	3.33	-0.21	-1.92e-03	0.04	2.43
		2.43	-0.08	-3.33e-04	0.0	60.0	-3.12	3.15	-0.21	-1.92e-03	-0.08	4.38
504	197	-1.06	0.15	3.23e-05	-0.19	0.0	3.39	-2.68	0.36	3.77e-03	-0.07	-1.06
		-2.73	-0.07	3.02e-05	0.0	60.0	3.39	-2.87	0.36	3.77e-03	0.15	-2.73
504	198	3.05	0.07	-1.18e-05	-0.19	0.0	-2.78	2.24	-0.37	4.88e-03	0.07	1.77
		1.77	-0.15	-1.02e-05	0.0	60.0	-2.78	2.05	-0.37	4.88e-03	-0.15	3.05
504	204	-2.10	0.02	-2.33e-05	-0.19	0.0	3.00	-4.36	0.04	0.01	-7.04e-03	-2.10
		-4.77	-7.04e-03	4.28e-04	0.0	60.0	3.00	-4.55	0.04	0.01	0.02	-4.77
504	207	5.09	0.01	5.12e-05	-0.19	0.0	-2.39	3.92	-0.05	-2.84e-03	0.01	2.80
		2.80	-0.02	-4.08e-04	0.0	60.0	-2.39	3.73	-0.05	-2.84e-03	-0.02	5.09
504	209	-2.03	0.10	-1.37e-05	-0.19	0.0	4.22	-4.28	0.24	0.01	-0.04	-2.03
		-4.66	-0.04	4.09e-04	0.0	60.0	4.22	-4.47	0.24	0.01	0.10	-4.66
504	210	4.98	0.05	4.17e-05	-0.19	0.0	-3.61	3.84	-0.24	-2.97e-03	0.05	2.73
		2.73	-0.10	-3.89e-04	0.0	60.0	-3.61	3.65	-0.24	-2.97e-03	-0.10	4.98
504	229	-1.27	0.17	3.55e-05	-0.19	0.0	3.86	-3.04	0.42	3.63e-03	-0.08	-1.27
		-3.15	-0.08	2.99e-05	0.0	60.0	3.86	-3.23	0.42	3.63e-03	0.17	-3.15
504	230	3.48	0.08	-1.49e-05	-0.19	0.0	-3.25	2.60	-0.43	5.02e-03	0.08	1.97
		1.97	-0.17	-9.88e-06	0.0	60.0	-3.25	2.41	-0.43	5.02e-03	-0.17	3.48
505	12	0.58	0.12	-8.96e-06	-0.19	0.0	-1.42	0.12	-0.46	1.72e-04	0.12	0.58
		0.56	-0.16	3.11e-05	0.0	60.0	-1.42	-0.07	-0.46	1.72e-04	-0.16	0.58
505	17	0.81	0.19	-1.56e-05	-0.24	0.0	-2.04	0.17	-0.77	1.93e-04	0.19	0.77
		0.77	-0.27	5.05e-05	0.0	60.0	-2.04	-0.07	-0.77	1.93e-04	-0.27	0.80

505	18	0.79	0.19	-1.45e-05	-0.24	0.0	-1.98	0.16	-0.77	2.03e-04	0.19	0.76
		0.76	-0.27	5.11e-05	0.0	60.0	-1.98	-0.08	-0.77	2.03e-04	-0.27	0.78
505	19	0.61	0.19	-1.06e-05	-0.19	0.0	-1.61	0.14	-0.77	1.45e-04	0.19	0.58
		0.58	-0.27	4.69e-05	0.0	60.0	-1.61	-0.05	-0.77	1.45e-04	-0.27	0.61
505	27	0.82	0.09	-1.82e-05	-0.24	0.0	-1.73	0.19	0.23	2.01e-04	-0.05	0.78
		0.78	-0.05	-3.76e-06	0.0	60.0	-1.73	-0.06	0.23	2.01e-04	0.09	0.82
505	46	0.61	0.14	-1.19e-05	-0.19	0.0	-1.13	0.15	0.39	1.62e-04	-0.09	0.58
		0.58	-0.09	-1.64e-05	0.0	60.0	-1.13	-0.04	0.39	1.62e-04	0.14	0.61
505	69	0.59	0.08	-9.96e-06	-0.19	0.0	-1.42	0.13	-0.31	1.69e-04	0.08	0.57
		0.57	-0.11	2.26e-05	0.0	60.0	-1.42	-0.06	-0.31	1.69e-04	-0.11	0.59
505	72	0.61	0.13	-1.11e-05	-0.19	0.0	-1.55	0.14	-0.51	1.50e-04	0.13	0.58
		0.58	-0.18	3.31e-05	0.0	60.0	-1.55	-0.05	-0.51	1.50e-04	-0.18	0.61
505	74	0.62	0.13	-1.20e-05	-0.19	0.0	-1.56	0.14	-0.51	1.49e-04	0.13	0.59
		0.59	-0.18	3.43e-05	0.0	60.0	-1.56	-0.05	-0.51	1.49e-04	-0.18	0.62
505	75	0.61	0.13	-1.13e-05	-0.19	0.0	-1.51	0.13	-0.51	1.56e-04	0.13	0.58
		0.58	-0.18	3.46e-05	0.0	60.0	-1.51	-0.06	-0.51	1.56e-04	-0.18	0.60
505	79	0.63	0.06	-1.37e-05	-0.19	0.0	-1.35	0.15	0.16	1.55e-04	-0.04	0.60
		0.60	-0.04	-1.95e-06	0.0	60.0	-1.35	-0.04	0.16	1.55e-04	0.06	0.63
505	86	0.61	0.09	-1.19e-05	-0.19	0.0	-1.23	0.14	0.26	1.62e-04	-0.06	0.58
		0.58	-0.06	-9.11e-06	0.0	60.0	-1.23	-0.04	0.26	1.62e-04	0.09	0.61
505	99	0.61	2.15e-03	-1.17e-05	-0.19	0.0	-1.41	0.14	1.03e-03	1.63e-04	1.53e-03	0.58
		0.58	1.53e-03	5.25e-06	0.0	60.0	-1.41	-0.05	1.03e-03	1.63e-04	2.15e-03	0.61
505	102	0.62	0.03	-1.18e-05	-0.19	0.0	-1.45	0.14	-0.10	1.58e-04	0.03	0.58
		0.58	-0.03	1.07e-05	0.0	60.0	-1.45	-0.04	-0.10	1.58e-04	-0.03	0.61
505	103	0.62	0.03	-1.26e-05	-0.19	0.0	-1.46	0.14	-0.10	1.57e-04	0.03	0.59
		0.59	-0.03	1.17e-05	0.0	60.0	-1.46	-0.05	-0.10	1.57e-04	-0.03	0.62
505	104	0.62	0.02	-1.22e-05	-0.19	0.0	-1.40	0.15	0.05	1.59e-04	-0.01	0.58
		0.58	-0.01	2.20e-06	0.0	60.0	-1.40	-0.04	0.05	1.59e-04	0.02	0.62
505	105	0.62	0.02	-1.30e-05	-0.19	0.0	-1.41	0.14	0.05	1.58e-04	-0.01	0.59
		0.59	-0.01	3.21e-06	0.0	60.0	-1.41	-0.04	0.05	1.58e-04	0.02	0.62
505	106	0.62	2.12e-03	-1.20e-05	-0.19	0.0	-1.43	0.15	1.01e-03	1.60e-04	1.52e-03	0.58
		0.58	1.52e-03	5.11e-06	0.0	60.0	-1.43	-0.04	1.01e-03	1.60e-04	2.12e-03	0.61
505	107	0.62	2.71e-03	-1.28e-05	-0.19	0.0	-1.44	0.14	1.37e-03	1.59e-04	1.89e-03	0.59
		0.59	1.89e-03	6.12e-06	0.0	60.0	-1.44	-0.05	1.37e-03	1.59e-04	2.71e-03	0.62
505	108	0.04	0.02	9.31e-06	-0.19	0.0	0.18	-0.21	-0.12	6.41e-03	0.02	0.04
		-0.14	-0.04	3.26e-04	0.0	60.0	0.18	-0.40	-0.12	6.41e-03	-0.04	-0.14
505	111	1.38	0.05	-3.50e-05	-0.19	0.0	-3.05	0.50	0.12	-6.09e-03	-0.01	1.14
		1.14	-0.01	-3.13e-04	0.0	60.0	-3.05	0.31	0.12	-6.09e-03	0.05	1.38
505	132	0.70	0.07	-1.75e-05	-0.19	0.0	-2.84	-0.06	-0.34	5.35e-03	0.07	0.65
		0.65	-0.13	1.77e-04	0.0	60.0	-2.84	-0.25	-0.34	5.35e-03	-0.13	0.70
505	133	0.26	0.13	0.0	-0.19	0.0	1.08	0.18	0.32	-7.35e-04	-0.07	0.26
		0.17	-0.07	3.27e-05	0.0	60.0	1.08	-8.80e-03	0.32	-7.35e-04	0.13	0.17
505	134	1.08	0.08	-2.66e-05	-0.19	0.0	-3.95	0.11	-0.32	1.05e-03	0.08	0.92
		0.92	-0.12	-2.05e-05	0.0	60.0	-3.95	-0.08	-0.32	1.05e-03	-0.12	1.08
505	135	0.55	0.13	-8.24e-06	-0.19	0.0	-0.03	0.35	0.34	-5.04e-03	-0.07	0.53
		0.53	-0.07	-1.65e-04	0.0	60.0	-0.03	0.16	0.34	-5.04e-03	0.13	0.54
505	140	-0.03	0.02	1.19e-05	-0.19	0.0	0.38	-0.25	-0.13	7.19e-03	0.02	-0.03
		-0.24	-0.05	3.66e-04	0.0	60.0	0.38	-0.44	-0.13	7.19e-03	-0.05	-0.24
505	143	1.48	0.06	-3.76e-05	-0.19	0.0	-3.26	0.54	0.14	-6.87e-03	-0.02	1.21
		1.21	-0.02	-3.54e-04	0.0	60.0	-3.26	0.35	0.14	-6.87e-03	0.06	1.48
505	164	0.71	0.08	-1.82e-05	-0.19	0.0	-3.02	-0.09	-0.38	6.01e-03	0.08	0.66
		0.66	-0.14	1.99e-04	0.0	60.0	-3.02	-0.28	-0.38	6.01e-03	-0.14	0.71
505	165	0.22	0.14	2.70e-06	-0.19	0.0	1.39	0.18	0.37	-8.53e-04	-0.08	0.22
		0.11	-0.08	3.56e-05	0.0	60.0	1.39	-4.77e-03	0.37	-8.53e-04	0.14	0.11
505	166	1.13	0.08	-2.83e-05	-0.19	0.0	-4.27	0.10	-0.36	1.17e-03	0.08	0.96
		0.96	-0.14	-2.33e-05	0.0	60.0	-4.27	-0.09	-0.36	1.17e-03	-0.14	1.13
505	167	0.54	0.15	-7.57e-06	-0.19	0.0	0.15	0.38	0.38	-5.70e-03	-0.08	0.52
		0.52	-0.08	-1.87e-04	0.0	60.0	0.15	0.19	0.38	-5.70e-03	0.15	0.53
505	172	7.13e-03	0.02	6.60e-06	-0.19	0.0	0.28	-0.23	-0.13	7.00e-03	0.02	7.13e-03
		-0.18	-0.05	3.58e-04	0.0	60.0	0.28	-0.42	-0.13	7.00e-03	-0.05	-0.18
505	175	1.42	0.05	-3.22e-05	-0.19	0.0	-3.16	0.51	0.13	-6.69e-03	-0.02	1.17
		1.17	-0.02	-3.46e-04	0.0	60.0	-3.16	0.33	0.13	-6.69e-03	0.05	1.42
505	196	0.70	0.08	-2.09e-05	-0.19	0.0	-3.02	-0.07	-0.37	5.92e-03	0.08	0.65
		0.65	-0.14	2.02e-04	0.0	60.0	-3.02	-0.26	-0.37	5.92e-03	-0.14	0.70
505	197	0.24	0.14	2.11e-06	-0.19	0.0	1.32	0.18	0.36	-8.79e-04	-0.08	0.24
		0.14	-0.08	2.90e-05	0.0	60.0	1.32	-8.94e-03	0.36	-8.79e-04	0.14	0.14
505	198	1.10	0.08	-2.77e-05	-0.19	0.0	-4.19	0.11	-0.36	1.20e-03	0.08	0.94
		0.94	-0.13	-1.68e-05	0.0	60.0	-4.19	-0.08	-0.36	1.20e-03	-0.13	1.10
505	199	0.55	0.15	-5.40e-06	-0.19	0.0	0.15	0.36	0.38	-5.60e-03	-0.08	0.53
		0.53	-0.08	-1.90e-04	0.0	60.0	0.15	0.17	0.38	-5.60e-03	0.15	0.54
505	204	-0.07	0.02	6.90e-06	-0.19	0.0	0.52	-0.28	-0.15	8.10e-03	0.02	-0.07
		-0.30	-0.06	4.16e-04	0.0	60.0	0.52	-0.47	-0.15	8.10e-03	-0.06	-0.30
505	207	1.54	0.06	-3.25e-05	-0.19	0.0	-3.40	0.56	0.16	-7.78e-03	-0.02	1.26
		1.26	-0.02	-4.03e-04	0.0	60.0	-3.40	0.38	0.16	-7.78e-03	0.06	1.54
505	228	0.72	0.09	-2.37e-05	-0.19	0.0	-3.29	-0.10	-0.43	6.92e-03	0.09	0.66

		0.66	-0.16	2.38e-04	0.0	60.0	-3.29	-0.29	-0.43	6.92e-03	-0.16	0.72
505	229	0.19	0.16	4.29e-06	-0.19	0.0	1.75	0.18	0.42	-1.10e-03	-0.09	0.19
		0.08	-0.09	2.95e-05	0.0	60.0	1.75	-3.78e-03	0.42	-1.10e-03	0.16	0.08
505	230	1.16	0.10	-2.99e-05	-0.19	0.0	-4.62	0.10	-0.41	1.42e-03	0.10	0.99
		0.99	-0.16	-1.73e-05	0.0	60.0	-4.62	-0.09	-0.41	1.42e-03	-0.16	1.16
505	231	0.53	0.17	-3.43e-06	-0.19	0.0	0.42	0.39	0.44	-6.60e-03	-0.09	0.52
		0.52	-0.09	-2.26e-04	0.0	60.0	0.42	0.20	0.44	-6.60e-03	0.17	0.52
506	11	-5.10e-03	0.04	8.74e-05	-0.24	0.0	1.64	-0.95	-0.24	2.12e-04	0.04	-5.10e-03
		-0.65	-0.10	2.84e-05	0.0	60.0	1.64	-1.20	-0.24	2.12e-04	-0.10	-0.65
506	19	0.06	0.07	6.41e-05	-0.19	0.0	1.13	-0.56	-0.40	1.39e-04	0.07	0.06
		-0.33	-0.18	3.51e-05	0.0	60.0	1.13	-0.75	-0.40	1.39e-04	-0.18	-0.33
506	21	0.05	0.07	6.79e-05	-0.19	0.0	1.09	-0.62	-0.40	1.37e-04	0.07	0.05
		-0.38	-0.17	3.71e-05	0.0	60.0	1.09	-0.81	-0.40	1.37e-04	-0.17	-0.38
506	41	0.13	0.09	8.50e-05	-0.24	0.0	2.03	-0.69	0.20	1.93e-04	-0.03	0.13
		-0.36	-0.03	-7.92e-06	0.0	60.0	2.03	-0.93	0.20	1.93e-04	0.09	-0.36
506	42	0.08	0.09	8.48e-05	-0.24	0.0	2.06	-0.77	0.20	2.04e-04	-0.03	0.08
		-0.45	-0.03	-7.42e-06	0.0	60.0	2.06	-1.01	0.20	2.04e-04	0.09	-0.45
506	44	0.07	0.09	8.85e-05	-0.24	0.0	2.02	-0.83	0.21	2.02e-04	-0.03	0.07
		-0.50	-0.03	-5.44e-06	0.0	60.0	2.02	-1.08	0.21	2.02e-04	0.09	-0.50
506	71	0.01	0.03	6.68e-05	-0.19	0.0	1.28	-0.70	-0.16	1.62e-04	0.03	0.01
		-0.46	-0.07	1.96e-05	0.0	60.0	1.28	-0.89	-0.16	1.62e-04	-0.07	-0.46
506	72	0.07	0.04	6.45e-05	-0.19	0.0	1.20	-0.56	-0.27	1.45e-04	0.04	0.07
		-0.32	-0.12	2.55e-05	0.0	60.0	1.20	-0.75	-0.27	1.45e-04	-0.12	-0.32
506	74	0.06	0.04	6.70e-05	-0.19	0.0	1.17	-0.60	-0.27	1.44e-04	0.04	0.06
		-0.36	-0.12	2.68e-05	0.0	60.0	1.17	-0.79	-0.27	1.44e-04	-0.12	-0.36
506	85	0.10	0.06	6.52e-05	-0.19	0.0	1.53	-0.52	0.14	1.49e-04	-0.02	0.10
		-0.27	-0.02	-4.63e-06	0.0	60.0	1.53	-0.71	0.14	1.49e-04	0.06	-0.27
506	86	0.07	0.06	6.50e-05	-0.19	0.0	1.56	-0.58	0.14	1.56e-04	-0.02	0.07
		-0.33	-0.02	-4.30e-06	0.0	60.0	1.56	-0.76	0.14	1.56e-04	0.06	-0.33
506	88	0.06	0.06	6.75e-05	-0.19	0.0	1.53	-0.62	0.14	1.55e-04	-0.02	0.06
		-0.36	-0.02	-2.98e-06	0.0	60.0	1.53	-0.81	0.14	1.55e-04	0.06	-0.36
506	101	0.07	2.07e-03	6.69e-05	-0.19	0.0	1.33	-0.60	2.22e-03	1.57e-04	7.40e-04	0.07
		-0.35	7.40e-04	7.07e-06	0.0	60.0	1.33	-0.79	2.22e-03	1.57e-04	2.07e-03	-0.35
506	102	0.08	9.62e-03	6.47e-05	-0.19	0.0	1.31	-0.55	-0.05	1.53e-04	9.62e-03	0.08
		-0.30	-0.02	9.74e-06	0.0	60.0	1.31	-0.73	-0.05	1.53e-04	-0.02	-0.30
506	103	0.08	9.59e-03	6.69e-05	-0.19	0.0	1.29	-0.58	-0.05	1.52e-04	9.59e-03	0.08
		-0.33	-0.02	1.09e-05	0.0	60.0	1.29	-0.77	-0.05	1.52e-04	-0.02	-0.33
506	104	0.09	0.01	6.49e-05	-0.19	0.0	1.38	-0.54	0.03	1.54e-04	-3.62e-03	0.09
		-0.29	-3.62e-03	3.72e-06	0.0	60.0	1.38	-0.73	0.03	1.54e-04	0.01	-0.29
506	105	0.08	0.01	6.70e-05	-0.19	0.0	1.36	-0.57	0.03	1.53e-04	-3.65e-03	0.08
		-0.32	-3.65e-03	4.85e-06	0.0	60.0	1.36	-0.76	0.03	1.53e-04	0.01	-0.32
506	106	0.09	1.49e-03	6.48e-05	-0.19	0.0	1.34	-0.54	1.15e-03	1.55e-04	7.98e-04	0.09
		-0.29	7.98e-04	5.80e-06	0.0	60.0	1.34	-0.73	1.15e-03	1.55e-04	1.49e-03	-0.29
506	107	0.08	2.02e-03	6.69e-05	-0.19	0.0	1.32	-0.58	2.10e-03	1.54e-04	7.67e-04	0.08
		-0.32	7.67e-04	6.94e-06	0.0	60.0	1.32	-0.77	2.10e-03	1.54e-04	2.02e-03	-0.32
506	108	-2.05	9.66e-03	1.26e-04	-0.19	0.0	4.72	-4.18	-0.05	6.40e-03	9.66e-03	-2.05
		-4.62	-0.02	3.24e-04	0.0	60.0	4.72	-4.37	-0.05	6.40e-03	-0.02	-4.62
506	111	3.97	0.02	8.28e-06	-0.19	0.0	-2.08	3.03	0.05	-6.09e-03	-8.12e-03	2.21
		2.21	-8.12e-03	-3.10e-04	0.0	60.0	-2.08	2.84	0.05	-6.09e-03	0.02	3.97
506	113	-1.99	0.04	1.27e-04	-0.19	0.0	6.10	-4.10	0.10	6.41e-03	-0.02	-1.99
		-4.51	-0.02	3.19e-04	0.0	60.0	6.10	-4.29	0.10	6.41e-03	0.04	-4.51
506	114	3.86	0.02	-8.50e-06	-0.19	0.0	-3.47	2.95	-0.10	-6.10e-03	0.02	2.15
		2.15	-0.04	-3.05e-04	0.0	60.0	-3.47	2.76	-0.10	-6.10e-03	-0.04	3.86
506	125	0.68	0.11	6.52e-05	-0.19	0.0	3.90	0.25	0.27	5.39e-03	-0.05	0.59
		0.59	-0.05	1.49e-04	0.0	60.0	3.90	0.06	0.27	5.39e-03	0.11	0.68
506	126	-0.43	0.05	6.86e-05	-0.19	0.0	-1.27	-1.40	-0.26	-5.08e-03	0.05	-0.43
		-1.33	-0.11	-1.36e-04	0.0	60.0	-1.27	-1.59	-0.26	-5.08e-03	-0.11	-1.33
506	140	-2.31	0.01	1.33e-04	-0.19	0.0	5.15	-4.63	-0.06	7.19e-03	0.01	-2.31
		-5.15	-0.02	3.64e-04	0.0	60.0	5.15	-4.82	-0.06	7.19e-03	-0.02	-5.15
506	143	4.51	0.03	-1.29e-05	-0.19	0.0	-2.51	3.48	0.06	-6.88e-03	-9.23e-03	2.48
		2.48	-9.23e-03	-3.50e-04	0.0	60.0	-2.51	3.29	0.06	-6.88e-03	0.03	4.51
506	145	-2.25	0.05	1.35e-04	-0.19	0.0	6.70	-4.54	0.11	7.20e-03	-0.02	-2.25
		-5.03	-0.02	3.58e-04	0.0	60.0	6.70	-4.73	0.11	7.20e-03	0.05	-5.03
506	146	4.38	0.02	-1.36e-05	-0.19	0.0	-4.06	3.39	-0.11	-6.89e-03	0.02	2.41
		2.41	-0.04	-3.44e-04	0.0	60.0	-4.06	3.20	-0.11	-6.89e-03	-0.04	4.38
506	157	0.81	0.12	6.49e-05	-0.19	0.0	4.22	0.35	0.30	6.05e-03	-0.06	0.66
		0.66	-0.06	1.68e-04	0.0	60.0	4.22	0.16	0.30	6.05e-03	0.12	0.81
506	158	-0.50	0.06	6.89e-05	-0.19	0.0	-1.58	-1.50	-0.30	-5.75e-03	0.06	-0.50
		-1.45	-0.12	-1.54e-04	0.0	60.0	-1.58	-1.69	-0.30	-5.75e-03	-0.12	-1.45
506	172	-2.19	0.01	1.28e-04	-0.19	0.0	4.96	-4.42	-0.06	7.00e-03	0.01	-2.19
		-4.90	-0.02	3.56e-04	0.0	60.0	4.96	-4.61	-0.06	7.00e-03	-0.02	-4.90
506	175	4.25	0.03	-9.75e-06	-0.19	0.0	-2.32	3.27	0.06	-6.69e-03	-9.13e-03	2.35
		2.35	-9.13e-03	-3.42e-04	0.0	60.0	-2.32	3.08	0.06	-6.69e-03	0.03	4.25
506	177	-2.12	0.05	1.30e-04	-0.19	0.0	6.44	-4.33	0.11	7.01e-03	-0.02	-2.12
		-4.77	-0.02	3.50e-04	0.0	60.0	6.44	-4.51	0.11	7.01e-03	0.05	-4.77

506	178	4.12	0.02	-1.05e-05	-0.19	0.0	-3.81	3.17	-0.11	-6.70e-03	0.02	2.28
		2.28	-0.04	-3.37e-04	0.0	60.0	-3.81	2.98	-0.11	-6.70e-03	-0.04	4.12
506	189	0.80	0.12	6.30e-05	-0.19	0.0	3.99	0.34	0.30	5.96e-03	-0.06	0.65
		0.65	-0.06	1.71e-04	0.0	60.0	3.99	0.15	0.30	5.96e-03	0.12	0.80
506	190	-0.49	0.06	7.09e-05	-0.19	0.0	-1.35	-1.49	-0.29	-5.65e-03	0.06	-0.49
		-1.44	-0.12	-1.57e-04	0.0	60.0	-1.35	-1.68	-0.29	-5.65e-03	-0.12	-1.44
506	204	-2.51	0.01	1.36e-04	-0.19	0.0	5.48	-4.97	-0.06	8.09e-03	0.01	-2.51
		-5.55	-0.03	4.13e-04	0.0	60.0	5.48	-5.16	-0.06	8.09e-03	-0.03	-5.55
506	207	4.91	0.03	-1.54e-05	-0.19	0.0	-2.85	3.82	0.07	-7.79e-03	-0.01	2.67
		2.67	-0.01	-3.99e-04	0.0	60.0	-2.85	3.63	0.07	-7.79e-03	0.03	4.91
506	209	-2.43	0.05	1.38e-04	-0.19	0.0	7.19	-4.86	0.13	8.11e-03	-0.02	-2.43
		-5.40	-0.02	4.07e-04	0.0	60.0	7.19	-5.05	0.13	8.11e-03	0.05	-5.40
506	210	4.76	0.03	-1.66e-05	-0.19	0.0	-4.55	3.71	-0.12	-7.80e-03	0.03	2.59
		2.59	-0.05	-3.93e-04	0.0	60.0	-4.55	3.52	-0.12	-7.80e-03	-0.05	4.76
506	221	0.98	0.14	6.13e-05	-0.19	0.0	4.34	0.49	0.34	6.95e-03	-0.06	0.75
		0.75	-0.06	2.02e-04	0.0	60.0	4.34	0.30	0.34	6.95e-03	0.14	0.98
506	222	-0.59	0.07	7.26e-05	-0.19	0.0	-1.70	-1.64	-0.34	-6.64e-03	0.07	-0.59
		-1.63	-0.14	-1.88e-04	0.0	60.0	-1.70	-1.83	-0.34	-6.64e-03	-0.14	-1.63
507	14	0.43	0.12	5.72e-05	-0.19	0.0	-0.20	0.05	-0.46	2.04e-03	0.12	0.43
		0.40	-0.16	2.90e-05	0.0	60.0	-0.20	-0.13	-0.46	2.04e-03	-0.16	0.40
507	18	0.60	0.20	6.44e-05	-0.24	0.0	-0.57	0.09	-0.77	7.02e-03	0.20	0.59
		0.57	-0.27	4.74e-05	0.0	60.0	-0.57	-0.15	-0.77	7.02e-03	-0.27	0.57
507	19	0.53	0.19	2.36e-05	-0.19	0.0	-1.09	0.11	-0.77	0.01	0.19	0.51
		0.51	-0.27	4.68e-05	0.0	60.0	-1.09	-0.08	-0.77	0.01	-0.27	0.52
507	32	0.44	0.08	5.86e-05	-0.19	0.0	-0.11	0.07	0.23	-0.02	-0.06	0.43
		0.42	-0.06	-1.13e-05	0.0	60.0	-0.11	-0.12	0.23	-0.02	0.08	0.42
507	41	0.69	0.14	2.92e-05	-0.24	0.0	-1.26	0.15	0.39	-0.02	-0.09	0.67
		0.67	-0.09	-1.94e-05	0.0	60.0	-1.26	-0.10	0.39	-0.02	0.14	0.68
507	49	0.68	3.04e-03	3.20e-05	-0.24	0.0	-1.32	0.14	1.52e-03	-8.71e-03	2.13e-03	0.66
		0.66	2.13e-03	4.20e-06	0.0	60.0	-1.32	-0.10	1.52e-03	-8.71e-03	3.04e-03	0.67
507	71	0.46	0.08	4.73e-05	-0.19	0.0	-0.45	0.07	-0.31	-9.69e-04	0.08	0.45
		0.44	-0.11	2.04e-05	0.0	60.0	-0.45	-0.12	-0.31	-9.69e-04	-0.11	0.44
507	72	0.53	0.13	2.49e-05	-0.19	0.0	-1.05	0.11	-0.51	6.08e-03	0.13	0.51
		0.51	-0.18	3.22e-05	0.0	60.0	-1.05	-0.08	-0.51	6.08e-03	-0.18	0.52
507	75	0.47	0.13	4.44e-05	-0.19	0.0	-0.56	0.08	-0.51	3.97e-03	0.13	0.46
		0.46	-0.18	3.20e-05	0.0	60.0	-0.56	-0.11	-0.51	3.97e-03	-0.18	0.46
507	80	0.47	0.06	4.82e-05	-0.19	0.0	-0.39	0.08	0.16	-0.01	-0.04	0.46
		0.45	-0.04	-6.48e-06	0.0	60.0	-0.39	-0.11	0.16	-0.01	0.06	0.45
507	85	0.54	0.09	2.10e-05	-0.19	0.0	-1.02	0.12	0.26	-0.01	-0.06	0.52
		0.52	-0.06	-1.25e-05	0.0	60.0	-1.02	-0.07	0.26	-0.01	0.09	0.53
507	89	0.53	2.27e-03	2.29e-05	-0.19	0.0	-1.06	0.11	1.13e-03	-6.52e-03	1.59e-03	0.51
		0.51	1.59e-03	3.25e-06	0.0	60.0	-1.06	-0.08	1.13e-03	-6.52e-03	2.27e-03	0.52
507	97	0.53	2.27e-03	2.29e-05	-0.19	0.0	-1.06	0.11	1.13e-03	-6.52e-03	1.59e-03	0.51
		0.51	1.59e-03	3.25e-06	0.0	60.0	-1.06	-0.08	1.13e-03	-6.52e-03	2.27e-03	0.52
507	98	0.49	2.90e-03	3.88e-05	-0.19	0.0	-0.69	0.09	1.52e-03	-8.73e-03	1.98e-03	0.48
		0.48	1.98e-03	3.06e-06	0.0	60.0	-0.69	-0.09	1.52e-03	-8.73e-03	2.90e-03	0.48
507	101	0.49	2.82e-03	3.80e-05	-0.19	0.0	-0.69	0.09	1.47e-03	-8.37e-03	1.93e-03	0.48
		0.48	1.93e-03	3.07e-06	0.0	60.0	-0.69	-0.10	1.47e-03	-8.37e-03	2.82e-03	0.48
507	102	0.53	0.03	2.33e-05	-0.19	0.0	-1.06	0.11	-0.10	-4.00e-03	0.03	0.51
		0.51	-0.03	9.05e-06	0.0	60.0	-1.06	-0.08	-0.10	-4.00e-03	-0.03	0.52
507	103	0.50	0.03	3.70e-05	-0.19	0.0	-0.74	0.10	-0.10	-5.89e-03	0.03	0.48
		0.48	-0.03	8.89e-06	0.0	60.0	-0.74	-0.09	-0.10	-5.89e-03	-0.03	0.49
507	104	0.53	0.02	2.25e-05	-0.19	0.0	-1.05	0.11	0.05	-7.78e-03	-0.01	0.51
		0.51	-0.01	0.0	0.0	60.0	-1.05	-0.08	0.05	-7.78e-03	0.02	0.52
507	106	0.53	2.27e-03	2.29e-05	-0.19	0.0	-1.06	0.11	1.13e-03	-6.52e-03	1.59e-03	0.51
		0.51	1.59e-03	3.25e-06	0.0	60.0	-1.06	-0.08	1.13e-03	-6.52e-03	2.27e-03	0.52
507	107	0.50	2.81e-03	3.66e-05	-0.19	0.0	-0.74	0.10	1.47e-03	-8.41e-03	1.93e-03	0.49
		0.49	1.93e-03	3.09e-06	0.0	60.0	-0.74	-0.09	1.47e-03	-8.41e-03	2.81e-03	0.49
507	108	-0.04	-2.57e-03	-7.52e-06	-0.19	0.0	1.43	-0.18	-0.25	-4.39e-03	-2.57e-03	-0.04
		-0.20	-0.09	3.10e-04	0.0	60.0	1.43	-0.37	-0.25	-4.39e-03	-0.09	-0.20
507	111	1.17	0.10	8.06e-05	-0.19	0.0	-2.90	0.37	0.25	-0.01	6.42e-03	1.01
		1.01	6.42e-03	-3.04e-04	0.0	60.0	-2.90	0.19	0.25	-0.01	0.10	1.17
507	113	0.11	-0.02	-1.57e-05	-0.19	0.0	1.52	-0.10	-0.05	-9.27e-03	-0.05	0.11
		-6.52e-06	-0.05	3.07e-04	0.0	60.0	1.52	-0.28	-0.05	-9.27e-03	-0.02	-6.52e-06
507	114	0.97	0.05	8.88e-05	-0.19	0.0	-3.00	0.29	0.05	-7.56e-03	0.05	0.86
		0.86	0.02	-3.01e-04	0.0	60.0	-3.00	0.10	0.05	-7.56e-03	0.02	0.97
507	124	0.03	0.08	4.01e-05	-0.19	0.0	0.77	-0.16	-0.42	8.67e-05	0.08	0.03
		-0.12	-0.16	5.88e-05	0.0	60.0	0.77	-0.35	-0.42	8.67e-05	-0.16	-0.12
507	127	1.09	0.16	3.30e-05	-0.19	0.0	-2.25	0.35	0.43	-0.02	-0.07	0.94
		0.94	-0.07	-5.27e-05	0.0	60.0	-2.25	0.16	0.43	-0.02	0.16	1.09
507	140	-0.10	-3.12e-03	-1.31e-05	-0.19	0.0	1.70	-0.22	-0.28	-3.89e-03	-3.12e-03	-0.10
		-0.29	-0.10	3.49e-04	0.0	60.0	1.70	-0.40	-0.28	-3.89e-03	-0.10	-0.29
507	143	1.26	0.11	8.62e-05	-0.19	0.0	-3.17	0.41	0.28	-0.01	6.98e-03	1.07
		1.07	6.98e-03	-3.43e-04	0.0	60.0	-3.17	0.22	0.28	-0.01	0.11	1.26
507	145	0.07	-0.02	-2.23e-05	-0.19	0.0	1.80	-0.12	-0.06	-9.37e-03	-0.05	0.07

		-0.06	-0.05	3.45e-04	0.0	60.0	1.80	-0.31	-0.06	-9.37e-03	-0.02	-0.06
507	146	1.03	0.06	9.54e-05	-0.19	0.0	-3.28	0.31	0.06	-7.45e-03	0.06	0.90
		0.90	0.02	-3.39e-04	0.0	60.0	-3.28	0.12	0.06	-7.45e-03	0.02	1.03
507	156	-0.02	0.09	4.06e-05	-0.19	0.0	0.95	-0.19	-0.48	1.14e-03	0.09	-0.02
		-0.19	-0.18	6.53e-05	0.0	60.0	0.95	-0.38	-0.48	1.14e-03	-0.18	-0.19
507	159	1.17	0.18	3.25e-05	-0.19	0.0	-2.43	0.38	0.48	-0.02	-0.08	0.99
		0.99	-0.08	-5.91e-05	0.0	60.0	-2.43	0.20	0.48	-0.02	0.18	1.17
507	172	-0.07	-2.14e-03	-1.28e-05	-0.19	0.0	1.53	-0.20	-0.27	-4.00e-03	-2.14e-03	-0.07
		-0.24	-0.10	3.41e-04	0.0	60.0	1.53	-0.38	-0.27	-4.00e-03	-0.10	-0.24
507	175	1.21	0.11	8.59e-05	-0.19	0.0	-3.01	0.39	0.27	-0.01	5.99e-03	1.04
		1.04	5.99e-03	-3.35e-04	0.0	60.0	-3.01	0.20	0.27	-0.01	0.11	1.21
507	177	0.09	-0.02	-2.18e-05	-0.19	0.0	1.65	-0.10	-0.05	-9.41e-03	-0.05	0.09
		-0.02	-0.05	3.38e-04	0.0	60.0	1.65	-0.29	-0.05	-9.41e-03	-0.02	-0.02
507	178	1.00	0.05	9.49e-05	-0.19	0.0	-3.13	0.30	0.06	-7.42e-03	0.05	0.88
		0.88	0.02	-3.31e-04	0.0	60.0	-3.13	0.11	0.06	-7.42e-03	0.02	1.00
507	188	-3.80e-03	0.09	4.12e-05	-0.19	0.0	0.84	-0.18	-0.47	9.52e-04	0.09	-3.80e-03
		-0.17	-0.18	5.89e-05	0.0	60.0	0.84	-0.37	-0.47	9.52e-04	-0.18	-0.17
507	191	1.14	0.18	3.19e-05	-0.19	0.0	-2.32	0.37	0.47	-0.02	-0.08	0.97
		0.97	-0.08	-5.27e-05	0.0	60.0	-2.32	0.19	0.47	-0.02	0.18	1.14
507	204	-0.14	-2.47e-03	-2.13e-05	-0.19	0.0	1.84	-0.24	-0.31	-3.30e-03	-2.47e-03	-0.14
		-0.34	-0.12	3.96e-04	0.0	60.0	1.84	-0.42	-0.31	-3.30e-03	-0.12	-0.34
507	207	1.31	0.12	9.44e-05	-0.19	0.0	-3.32	0.43	0.32	-0.01	6.32e-03	1.11
		1.11	6.32e-03	-3.90e-04	0.0	60.0	-3.32	0.24	0.32	-0.01	0.12	1.31
507	209	0.04	-0.02	-3.18e-05	-0.19	0.0	1.98	-0.13	-0.06	-9.59e-03	-0.06	0.04
		-0.09	-0.06	3.93e-04	0.0	60.0	1.98	-0.32	-0.06	-9.59e-03	-0.02	-0.09
507	210	1.06	0.06	1.05e-04	-0.19	0.0	-3.46	0.32	0.06	-7.24e-03	0.06	0.93
		0.93	0.03	-3.86e-04	0.0	60.0	-3.46	0.13	0.06	-7.24e-03	0.03	1.06
507	220	-0.08	0.10	4.23e-05	-0.19	0.0	1.06	-0.22	-0.55	2.45e-03	0.10	-0.08
		-0.27	-0.21	6.45e-05	0.0	60.0	1.06	-0.41	-0.55	2.45e-03	-0.21	-0.27
507	223	1.24	0.21	3.08e-05	-0.19	0.0	-2.54	0.42	0.55	-0.02	-0.10	1.05
		1.05	-0.10	-5.84e-05	0.0	60.0	-2.54	0.23	0.55	-0.02	0.21	1.24
508	4	-0.15	0.05	1.90e-04	-0.24	0.0	2.21	-2.06	-0.22	-1.97e-03	0.05	-0.15
		-1.47	-0.09	2.67e-05	0.0	60.0	2.21	-2.31	-0.22	-1.97e-03	-0.09	-1.47
508	19	0.05	0.07	1.10e-04	-0.19	0.0	0.88	-1.20	-0.38	0.01	0.07	0.05
		-0.73	-0.16	3.66e-05	0.0	60.0	0.88	-1.39	-0.38	0.01	-0.16	-0.73
508	28	-0.11	0.06	1.88e-04	-0.24	0.0	2.24	-1.99	0.12	-0.02	-0.01	-0.11
		-1.38	-0.01	-2.79e-06	0.0	60.0	2.24	-2.23	0.12	-0.02	0.06	-1.38
508	44	-0.05	0.09	1.76e-04	-0.24	0.0	2.03	-1.84	0.19	-0.02	-0.03	-0.05
		-1.23	-0.03	-1.01e-05	0.0	60.0	2.03	-2.09	0.19	-0.02	0.09	-1.23
508	45	0.12	0.09	1.07e-04	-0.19	0.0	0.94	-1.07	0.19	-0.02	-0.03	0.12
		-0.58	-0.03	-1.24e-05	0.0	60.0	0.94	-1.26	0.19	-0.02	0.09	-0.58
508	68	-0.08	0.03	1.40e-04	-0.19	0.0	1.56	-1.51	-0.15	-2.02e-03	0.03	-0.08
		-1.05	-0.06	1.84e-05	0.0	60.0	1.56	-1.70	-0.15	-2.02e-03	-0.06	-1.05
508	72	0.05	0.05	1.12e-04	-0.19	0.0	0.94	-1.21	-0.25	6.07e-03	0.05	0.05
		-0.73	-0.10	2.62e-05	0.0	60.0	0.94	-1.39	-0.25	6.07e-03	-0.10	-0.73
508	80	-0.06	0.04	1.38e-04	-0.19	0.0	1.58	-1.46	0.08	-0.01	-7.90e-03	-0.06
		-0.99	-7.90e-03	-1.28e-06	0.0	60.0	1.58	-1.65	0.08	-0.01	0.04	-0.99
508	85	0.10	0.06	1.10e-04	-0.19	0.0	0.97	-1.12	0.13	-0.01	-0.02	0.10
		-0.63	-0.02	-6.53e-06	0.0	60.0	0.97	-1.31	0.13	-0.01	0.06	-0.63
508	88	-0.01	0.06	1.30e-04	-0.19	0.0	1.44	-1.36	0.13	-0.01	-0.02	-0.01
		-0.89	-0.02	-6.07e-06	0.0	60.0	1.44	-1.55	0.13	-0.01	0.06	-0.89
508	98	-2.75e-03	6.35e-03	1.29e-04	-0.19	0.0	1.30	-1.34	2.67e-03	-8.74e-03	4.75e-03	-2.75e-03
		-0.86	4.75e-03	5.57e-06	0.0	60.0	1.30	-1.53	2.67e-03	-8.74e-03	6.35e-03	-0.86
508	101	-4.80e-03	6.27e-03	1.27e-04	-0.19	0.0	1.29	-1.34	2.70e-03	-8.38e-03	4.65e-03	-4.80e-03
		-0.86	4.65e-03	5.54e-06	0.0	60.0	1.29	-1.53	2.70e-03	-8.38e-03	6.27e-03	-0.86
508	102	0.07	0.01	1.11e-04	-0.19	0.0	0.94	-1.17	-0.05	-4.00e-03	0.01	0.07
		-0.69	-0.02	9.37e-06	0.0	60.0	0.94	-1.35	-0.05	-4.00e-03	-0.02	-0.69
508	104	0.08	0.02	1.10e-04	-0.19	0.0	0.95	-1.15	0.03	-7.78e-03	-7.40e-04	0.08
		-0.67	-7.40e-04	2.82e-06	0.0	60.0	0.95	-1.34	0.03	-7.78e-03	0.02	-0.67
508	105	0.01	0.02	1.26e-04	-0.19	0.0	1.26	-1.31	0.03	-9.68e-03	1.80e-04	0.01
		-0.83	1.80e-04	3.17e-06	0.0	60.0	1.26	-1.50	0.03	-9.68e-03	0.02	-0.83
508	106	0.08	4.79e-03	1.11e-04	-0.19	0.0	0.94	-1.16	1.87e-03	-6.52e-03	3.67e-03	0.08
		-0.67	3.67e-03	5.16e-06	0.0	60.0	0.94	-1.34	1.87e-03	-6.52e-03	4.79e-03	-0.67
508	107	8.39e-03	6.13e-03	1.26e-04	-0.19	0.0	1.25	-1.32	2.56e-03	-8.42e-03	4.59e-03	8.39e-03
		-0.84	4.59e-03	5.51e-06	0.0	60.0	1.25	-1.50	2.56e-03	-8.42e-03	6.13e-03	-0.84
508	108	-1.95	0.04	8.49e-05	-0.19	0.0	5.64	-4.49	0.04	-4.39e-03	0.04	-1.95
		-4.70	0.02	3.09e-04	0.0	60.0	5.64	-4.68	0.04	-4.39e-03	0.02	-4.70
508	111	3.03	-0.01	1.67e-04	-0.19	0.0	-3.14	1.86	-0.04	-0.01	-0.04	1.97
		1.97	-0.04	-2.98e-04	0.0	60.0	-3.14	1.67	-0.04	-0.01	-0.01	3.03
508	113	-1.87	0.08	8.41e-05	-0.19	0.0	5.70	-4.39	0.17	-9.27e-03	0.02	-1.87
		-4.56	0.02	3.14e-04	0.0	60.0	5.70	-4.57	0.17	-9.27e-03	0.08	-4.56
508	114	2.88	-0.01	1.68e-04	-0.19	0.0	-3.20	1.76	-0.17	-7.57e-03	-0.01	1.89
		1.89	-0.06	-3.03e-04	0.0	60.0	-3.20	1.57	-0.17	-7.57e-03	-0.06	2.88
508	125	0.54	0.13	1.03e-04	-0.19	0.0	0.35	-0.51	0.31	-0.02	-0.04	0.54
		0.17	-0.04	1.51e-04	0.0	60.0	0.35	-0.70	0.31	-0.02	0.13	0.17

508	126	-0.52	0.05	1.49e-04	-0.19	0.0	2.15	-2.12	-0.30	-9.01e-04	0.05	-0.52
		-1.85	-0.12	-1.40e-04	0.0	60.0	2.15	-2.30	-0.30	-9.01e-04	-0.12	-1.85
508	140	-2.20	0.05	7.97e-05	-0.19	0.0	6.19	-4.89	0.05	-3.89e-03	0.05	-2.20
		-5.19	0.03	3.47e-04	0.0	60.0	6.19	-5.08	0.05	-3.89e-03	0.03	-5.19
508	143	3.51	-0.01	1.72e-04	-0.19	0.0	-3.69	2.26	-0.04	-0.01	-0.04	2.21
		2.21	-0.04	-3.36e-04	0.0	60.0	-3.69	2.07	-0.04	-0.01	-0.01	3.51
508	145	-2.10	0.09	7.89e-05	-0.19	0.0	6.25	-4.77	0.20	-9.38e-03	0.02	-2.10
		-5.02	0.02	3.52e-04	0.0	60.0	6.25	-4.96	0.20	-9.38e-03	0.09	-5.02
508	146	3.35	-0.01	1.73e-04	-0.19	0.0	-3.75	2.14	-0.19	-7.46e-03	-0.01	2.12
		2.12	-0.07	-3.41e-04	0.0	60.0	-3.75	1.95	-0.19	-7.46e-03	-0.07	3.35
508	157	0.60	0.15	1.00e-04	-0.19	0.0	0.25	-0.42	0.35	-0.02	-0.05	0.60
		0.30	-0.05	1.70e-04	0.0	60.0	0.25	-0.60	0.35	-0.02	0.15	0.30
508	158	-0.59	0.06	1.52e-04	-0.19	0.0	2.25	-2.21	-0.34	3.30e-05	0.06	-0.59
		-1.97	-0.13	-1.59e-04	0.0	60.0	2.25	-2.40	-0.34	3.30e-05	-0.13	-1.97
508	172	-2.08	0.05	8.13e-05	-0.19	0.0	5.89	-4.69	0.05	-4.01e-03	0.05	-2.08
		-4.95	0.02	3.40e-04	0.0	60.0	5.89	-4.88	0.05	-4.01e-03	0.02	-4.95
508	175	3.27	-0.01	1.71e-04	-0.19	0.0	-3.39	2.06	-0.04	-0.01	-0.04	2.09
		2.09	-0.04	-3.29e-04	0.0	60.0	-3.39	1.87	-0.04	-0.01	-0.01	3.27
508	177	-1.98	0.08	8.06e-05	-0.19	0.0	5.96	-4.57	0.19	-9.41e-03	0.02	-1.98
		-4.78	0.02	3.45e-04	0.0	60.0	5.96	-4.76	0.19	-9.41e-03	0.08	-4.78
508	178	3.10	-0.01	1.72e-04	-0.19	0.0	-3.46	1.94	-0.18	-7.43e-03	-0.01	2.00
		2.00	-0.07	-3.34e-04	0.0	60.0	-3.46	1.75	-0.18	-7.43e-03	-0.07	3.10
508	189	0.60	0.14	1.00e-04	-0.19	0.0	0.27	-0.42	0.34	-0.02	-0.05	0.60
		0.29	-0.05	1.73e-04	0.0	60.0	0.27	-0.61	0.34	-0.02	0.14	0.29
508	190	-0.58	0.06	1.52e-04	-0.19	0.0	2.23	-2.21	-0.34	-1.19e-04	0.06	-0.58
		-1.97	-0.13	-1.62e-04	0.0	60.0	2.23	-2.40	-0.34	-1.19e-04	-0.13	-1.97
508	204	-2.37	0.05	7.44e-05	-0.19	0.0	6.54	-5.17	0.05	-3.31e-03	0.05	-2.37
		-5.53	0.03	3.95e-04	0.0	60.0	6.54	-5.36	0.05	-3.31e-03	0.03	-5.53
508	207	3.85	-0.01	1.78e-04	-0.19	0.0	-4.04	2.54	-0.05	-0.01	-0.05	2.39
		2.39	-0.05	-3.84e-04	0.0	60.0	-4.04	2.35	-0.05	-0.01	-0.01	3.85
508	209	-2.26	0.09	7.35e-05	-0.19	0.0	6.62	-5.03	0.22	-9.59e-03	0.02	-2.26
		-5.33	0.02	4.01e-04	0.0	60.0	6.62	-5.21	0.22	-9.59e-03	0.09	-5.33
508	210	3.65	-0.01	1.79e-04	-0.19	0.0	-4.12	2.40	-0.21	-7.25e-03	-0.01	2.27
		2.27	-0.08	-3.90e-04	0.0	60.0	-4.12	2.21	-0.21	-7.25e-03	-0.08	3.65
508	221	0.70	0.17	9.54e-05	-0.19	0.0	0.11	-0.27	0.40	-0.02	-0.05	0.70
		0.48	-0.05	2.04e-04	0.0	60.0	0.11	-0.46	0.40	-0.02	0.17	0.48
508	222	-0.69	0.06	1.57e-04	-0.19	0.0	2.39	-2.36	-0.39	1.22e-03	0.06	-0.69
		-2.16	-0.15	-1.93e-04	0.0	60.0	2.39	-2.55	-0.39	1.22e-03	-0.15	-2.16
509	1	1.96	0.0	1.42e-03	-2.99	0.0	-0.81	1.50	9.03e-04	0.0	-4.73e-03	0.0
		0.0	-4.73e-03	4.25e-05	0.0	524.0	-0.81	-1.50	9.03e-04	0.0	0.0	0.0
509	19	1.51	0.0	9.20e-04	-2.30	0.0	-0.49	1.15	3.53e-04	0.0	-1.85e-03	0.0
		0.0	-1.85e-03	3.27e-05	0.0	524.0	-0.49	-1.15	3.53e-04	0.0	0.0	0.0
509	35	1.96	0.0	2.86e-03	-2.99	0.0	-1.27	1.50	2.61e-03	0.0	-0.01	0.0
		0.0	-0.01	2.77e-05	0.0	524.0	-1.27	-1.50	2.61e-03	0.0	0.0	0.0
509	44	1.96	0.0	2.60e-03	-2.99	0.0	-1.29	1.50	2.65e-03	0.0	-0.01	0.0
		0.0	-0.01	2.22e-05	0.0	524.0	-1.29	-1.50	2.65e-03	0.0	0.0	0.0
509	46	1.51	0.0	1.29e-03	-2.30	0.0	-0.90	1.15	1.69e-03	0.0	-8.84e-03	0.0
		0.0	-8.84e-03	1.37e-05	0.0	524.0	-0.90	-1.15	1.69e-03	0.0	0.0	0.0
509	65	1.51	0.0	1.03e-03	-2.30	0.0	-0.63	1.15	6.76e-04	0.0	-3.54e-03	0.0
		0.0	-3.54e-03	3.28e-05	0.0	524.0	-0.63	-1.15	6.76e-04	0.0	0.0	0.0
509	72	1.51	0.0	1.02e-03	-2.30	0.0	-0.57	1.15	5.59e-04	0.0	-2.93e-03	0.0
		0.0	-2.93e-03	3.27e-05	0.0	524.0	-0.57	-1.15	5.59e-04	0.0	0.0	0.0
509	83	1.51	0.0	1.99e-03	-2.30	0.0	-0.93	1.15	1.82e-03	0.0	-9.52e-03	0.0
		0.0	-9.52e-03	2.29e-05	0.0	524.0	-0.93	-1.15	1.82e-03	0.0	0.0	0.0
509	86	1.51	0.0	1.26e-03	-2.30	0.0	-0.85	1.15	1.45e-03	0.0	-7.59e-03	0.0
		0.0	-7.59e-03	1.99e-05	0.0	524.0	-0.85	-1.15	1.45e-03	0.0	0.0	0.0
509	88	1.51	0.0	1.82e-03	-2.30	0.0	-0.94	1.15	1.84e-03	0.0	-9.65e-03	0.0
		0.0	-9.65e-03	1.91e-05	0.0	524.0	-0.94	-1.15	1.84e-03	0.0	0.0	0.0
509	97	1.51	0.0	1.05e-03	-2.30	0.0	-0.71	1.15	8.53e-04	0.0	-4.47e-03	0.0
		0.0	-4.47e-03	3.29e-05	0.0	524.0	-0.71	-1.15	8.53e-04	0.0	0.0	0.0
509	101	1.51	0.0	1.60e-03	-2.30	0.0	-0.80	1.15	1.25e-03	0.0	-6.55e-03	0.0
		0.0	-6.55e-03	3.18e-05	0.0	524.0	-0.80	-1.15	1.25e-03	0.0	0.0	0.0
509	102	1.51	0.0	1.05e-03	-2.30	0.0	-0.68	1.15	7.94e-04	0.0	-4.16e-03	0.0
		0.0	-4.16e-03	3.28e-05	0.0	524.0	-0.68	-1.15	7.94e-04	0.0	0.0	0.0
509	104	1.51	0.0	1.06e-03	-2.30	0.0	-0.73	1.15	9.41e-04	0.0	-4.93e-03	0.0
		0.0	-4.93e-03	3.05e-05	0.0	524.0	-0.73	-1.15	9.41e-04	0.0	0.0	0.0
509	105	1.51	0.0	1.53e-03	-2.30	0.0	-0.81	1.15	1.28e-03	0.0	-6.70e-03	0.0
		0.0	-6.70e-03	2.98e-05	0.0	524.0	-0.81	-1.15	1.28e-03	0.0	0.0	0.0
509	106	1.51	0.0	1.05e-03	-2.30	0.0	-0.71	1.15	8.53e-04	0.0	-4.47e-03	0.0
		0.0	-4.47e-03	3.29e-05	0.0	524.0	-0.71	-1.15	8.53e-04	0.0	0.0	0.0
509	107	1.51	0.0	1.53e-03	-2.30	0.0	-0.79	1.15	1.19e-03	0.0	-6.24e-03	0.0
		0.0	-6.24e-03	3.22e-05	0.0	524.0	-0.79	-1.15	1.19e-03	0.0	0.0	0.0
509	108	1.51	0.0	3.43e-03	-2.30	0.0	2.88	1.15	4.46e-03	0.0	-0.02	0.0
		0.0	-0.02	2.72e-03	0.0	524.0	2.88	-1.15	4.46e-03	0.0	0.0	0.0
509	111	1.51	0.01	-3.97e-04	-2.30	0.0	-4.45	1.15	-2.08e-03	0.0	0.01	0.0

		0.0	0.0	-2.66e-03	0.0	524.0	-4.45	-1.15	-2.08e-03	0.0	0.0	0.0
509	114	1.51	0.02	-4.01e-04	-2.30	0.0	-3.65	1.15	-4.10e-03	0.0	0.02	0.0
		0.0	0.0	-2.72e-03	0.0	524.0	-3.65	-1.15	-4.10e-03	0.0	0.0	0.0
509	121	1.51	0.0	3.07e-03	-2.30	0.0	1.01	1.15	7.77e-03	0.0	-0.04	0.0
		0.0	-0.04	2.92e-03	0.0	524.0	1.01	-1.15	7.77e-03	0.0	0.0	0.0
509	122	1.51	0.03	-1.66e-04	-2.30	0.0	-2.58	1.15	-5.39e-03	0.0	0.03	0.0
		0.0	0.0	-2.86e-03	0.0	524.0	-2.58	-1.15	-5.39e-03	0.0	0.0	0.0
509	133	1.51	0.0	2.42e-03	-2.30	0.0	-0.75	1.15	6.94e-03	0.0	-0.04	0.0
		0.0	-0.04	5.65e-04	0.0	524.0	-0.75	-1.15	6.94e-03	0.0	0.0	0.0
509	140	1.51	0.0	3.67e-03	-2.30	0.0	3.35	1.15	4.87e-03	0.0	-0.03	0.0
		0.0	-0.03	3.06e-03	0.0	524.0	3.35	-1.15	4.87e-03	0.0	0.0	0.0
509	143	1.51	0.01	-6.16e-04	-2.30	0.0	-4.92	1.15	-2.49e-03	0.0	0.01	0.0
		0.0	0.0	-2.99e-03	0.0	524.0	-4.92	-1.15	-2.49e-03	0.0	0.0	0.0
509	146	1.51	0.02	-6.21e-04	-2.30	0.0	-4.01	1.15	-4.77e-03	0.0	0.02	0.0
		0.0	0.0	-3.07e-03	0.0	524.0	-4.01	-1.15	-4.77e-03	0.0	0.0	0.0
509	153	1.51	0.0	3.27e-03	-2.30	0.0	1.24	1.15	8.62e-03	0.0	-0.05	0.0
		0.0	-0.05	3.30e-03	0.0	524.0	1.24	-1.15	8.62e-03	0.0	0.0	0.0
509	154	1.51	0.03	-2.79e-04	-2.30	0.0	-2.81	1.15	-6.24e-03	0.0	0.03	0.0
		0.0	0.0	-3.23e-03	0.0	524.0	-2.81	-1.15	-6.24e-03	0.0	0.0	0.0
509	165	1.51	0.0	2.53e-03	-2.30	0.0	-0.74	1.15	7.65e-03	0.0	-0.04	0.0
		0.0	-0.04	6.29e-04	0.0	524.0	-0.74	-1.15	7.65e-03	0.0	0.0	0.0
509	172	1.51	0.0	3.64e-03	-2.30	0.0	3.28	1.15	4.87e-03	0.0	-0.03	0.0
		0.0	-0.03	2.99e-03	0.0	524.0	3.28	-1.15	4.87e-03	0.0	0.0	0.0
509	174	1.51	0.02	-3.93e-04	-2.30	0.0	-3.66	1.15	-3.97e-03	0.0	0.02	0.0
		0.0	0.0	-3.32e-03	0.0	524.0	-3.66	-1.15	-3.97e-03	0.0	0.0	0.0
509	175	1.51	0.01	-5.85e-04	-2.30	0.0	-4.85	1.15	-2.49e-03	0.0	0.01	0.0
		0.0	0.0	-2.93e-03	0.0	524.0	-4.85	-1.15	-2.49e-03	0.0	0.0	0.0
509	185	1.51	0.0	3.27e-03	-2.30	0.0	1.23	1.15	8.79e-03	0.0	-0.05	0.0
		0.0	-0.05	3.33e-03	0.0	524.0	1.23	-1.15	8.79e-03	0.0	0.0	0.0
509	186	1.51	0.03	-2.79e-04	-2.30	0.0	-2.80	1.15	-6.41e-03	0.0	0.03	0.0
		0.0	0.0	-3.26e-03	0.0	524.0	-2.80	-1.15	-6.41e-03	0.0	0.0	0.0
509	197	1.51	0.0	2.51e-03	-2.30	0.0	-0.73	1.15	7.55e-03	0.0	-0.04	0.0
		0.0	-0.04	5.68e-04	0.0	524.0	-0.73	-1.15	7.55e-03	0.0	0.0	0.0
509	204	1.51	0.0	4.00e-03	-2.30	0.0	3.95	1.15	5.52e-03	0.0	-0.03	0.0
		0.0	-0.03	3.47e-03	0.0	524.0	3.95	-1.15	5.52e-03	0.0	0.0	0.0
509	207	1.51	0.02	-9.39e-04	-2.30	0.0	-5.52	1.15	-3.14e-03	0.0	0.02	0.0
		0.0	0.0	-3.41e-03	0.0	524.0	-5.52	-1.15	-3.14e-03	0.0	0.0	0.0
509	210	1.51	0.03	-9.48e-04	-2.30	0.0	-4.49	1.15	-5.77e-03	0.0	0.03	0.0
		0.0	0.0	-3.49e-03	0.0	524.0	-4.49	-1.15	-5.77e-03	0.0	0.0	0.0
509	217	1.51	0.0	3.60e-03	-2.30	0.0	1.62	1.15	0.01	0.0	-0.05	0.0
		0.0	-0.05	3.98e-03	0.0	524.0	1.62	-1.15	0.01	0.0	0.0	0.0
509	218	1.51	0.04	-5.41e-04	-2.30	0.0	-3.19	1.15	-7.92e-03	0.0	0.04	0.0
		0.0	0.0	-3.91e-03	0.0	524.0	-3.19	-1.15	-7.92e-03	0.0	0.0	0.0
509	229	1.51	0.0	2.67e-03	-2.30	0.0	-0.72	1.15	8.59e-03	0.0	-0.05	0.0
		0.0	-0.05	6.34e-04	0.0	524.0	-0.72	-1.15	8.59e-03	0.0	0.0	0.0
510	1	1.96	6.45e-03	1.12e-03	-2.99	0.0	-0.30	1.50	-1.56e-03	-3.01e-03	6.45e-03	0.0
		0.0	-1.71e-03	3.62e-05	0.0	524.0	-0.30	-1.50	-1.56e-03	-3.01e-03	-1.71e-03	0.0
510	18	1.96	9.25e-03	2.12e-03	-2.99	0.0	-0.62	1.50	-2.26e-03	-7.52e-03	9.25e-03	0.0
		0.0	-2.58e-03	5.35e-05	0.0	524.0	-0.62	-1.50	-2.26e-03	-7.52e-03	-2.58e-03	0.0
510	19	1.51	6.18e-03	7.10e-04	-2.30	0.0	-0.01	1.15	-1.32e-03	-1.75e-03	6.18e-03	0.0
		0.0	-7.51e-04	2.93e-05	0.0	524.0	-0.01	-1.15	-1.32e-03	-1.75e-03	-7.51e-04	0.0
510	28	1.96	4.06e-03	2.56e-03	-2.99	0.0	-1.20	1.50	-1.40e-03	-0.01	4.06e-03	0.0
		0.0	-3.26e-03	3.65e-05	0.0	524.0	-1.20	-1.50	-1.40e-03	-0.01	-3.26e-03	0.0
510	35	1.96	4.08e-03	2.33e-03	-2.99	0.0	-1.20	1.50	-1.38e-03	-6.98e-03	4.08e-03	0.0
		0.0	-3.17e-03	3.63e-05	0.0	524.0	-1.20	-1.50	-1.38e-03	-6.98e-03	-3.17e-03	0.0
510	52	1.96	7.03e-03	2.54e-03	-2.99	0.0	-1.04	1.50	-2.05e-03	-0.01	7.03e-03	0.0
		0.0	-3.70e-03	5.16e-05	0.0	524.0	-1.04	-1.50	-2.05e-03	-0.01	-3.70e-03	0.0
510	65	1.51	4.68e-03	8.07e-04	-2.30	0.0	-0.23	1.15	-1.14e-03	-2.14e-03	4.68e-03	0.0
		0.0	-1.29e-03	2.66e-05	0.0	524.0	-0.23	-1.15	-1.14e-03	-2.14e-03	-1.29e-03	0.0
510	72	1.51	5.41e-03	7.96e-04	-2.30	0.0	-0.15	1.15	-1.24e-03	-2.08e-03	5.41e-03	0.0
		0.0	-1.09e-03	2.83e-05	0.0	524.0	-0.15	-1.15	-1.24e-03	-2.08e-03	-1.09e-03	0.0
510	75	1.51	6.55e-03	1.48e-03	-2.30	0.0	-0.43	1.15	-1.61e-03	-5.15e-03	6.55e-03	0.0
		0.0	-1.87e-03	3.81e-05	0.0	524.0	-0.43	-1.15	-1.61e-03	-5.15e-03	-1.87e-03	0.0
510	80	1.51	3.09e-03	1.77e-03	-2.30	0.0	-0.82	1.15	-1.03e-03	-7.03e-03	3.09e-03	0.0
		0.0	-2.32e-03	2.68e-05	0.0	524.0	-0.82	-1.15	-1.03e-03	-7.03e-03	-2.32e-03	0.0
510	83	1.51	3.11e-03	1.61e-03	-2.30	0.0	-0.82	1.15	-1.02e-03	-4.79e-03	3.11e-03	0.0
		0.0	-2.26e-03	2.66e-05	0.0	524.0	-0.82	-1.15	-1.02e-03	-4.79e-03	-2.26e-03	0.0
510	92	1.51	5.07e-03	1.76e-03	-2.30	0.0	-0.72	1.15	-1.47e-03	-6.91e-03	5.07e-03	0.0
		0.0	-2.62e-03	3.68e-05	0.0	524.0	-0.72	-1.15	-1.47e-03	-6.91e-03	-2.62e-03	0.0
510	97	1.51	3.59e-03	8.24e-04	-2.30	0.0	-0.34	1.15	-9.88e-04	-2.24e-03	3.59e-03	0.0
		0.0	-1.59e-03	2.40e-05	0.0	524.0	-0.34	-1.15	-9.88e-04	-2.24e-03	-1.59e-03	0.0
510	98	1.51	4.38e-03	1.41e-03	-2.30	0.0	-0.54	1.15	-1.25e-03	-5.96e-03	4.38e-03	0.0
		0.0	-2.18e-03	3.10e-05	0.0	524.0	-0.54	-1.15	-1.25e-03	-5.96e-03	-2.18e-03	0.0
510	101	1.51	4.41e-03	1.36e-03	-2.30	0.0	-0.55	1.15	-1.26e-03	-5.17e-03	4.41e-03	0.0
		0.0	-2.17e-03	3.11e-05	0.0	524.0	-0.55	-1.15	-1.26e-03	-5.17e-03	-2.17e-03	0.0

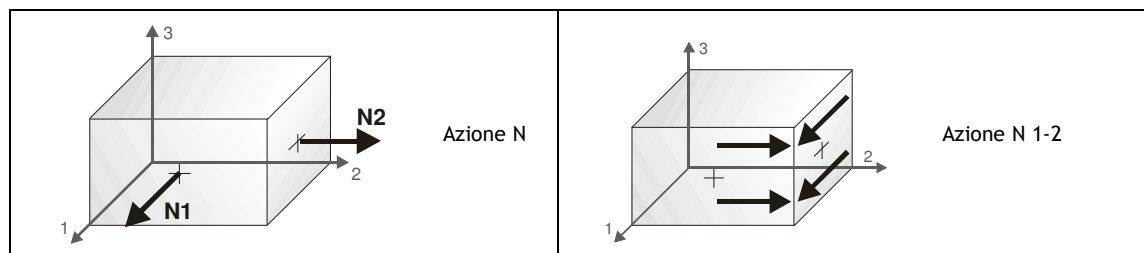
510	102	1.51	3.95e-03	8.18e-04	-2.30	0.0	-0.30	1.15	-1.04e-03	-2.21e-03	3.95e-03	0.0
		0.0	-1.49e-03	2.49e-05	0.0	524.0	-0.30	-1.15	-1.04e-03	-2.21e-03	-1.49e-03	0.0
510	103	1.51	4.63e-03	1.32e-03	-2.30	0.0	-0.48	1.15	-1.26e-03	-5.40e-03	4.63e-03	0.0
		0.0	-1.99e-03	3.09e-05	0.0	524.0	-0.48	-1.15	-1.26e-03	-5.40e-03	-1.99e-03	0.0
510	106	1.51	3.59e-03	8.24e-04	-2.30	0.0	-0.34	1.15	-9.88e-04	-2.24e-03	3.59e-03	0.0
		0.0	-1.59e-03	2.40e-05	0.0	524.0	-0.34	-1.15	-9.88e-04	-2.24e-03	-1.59e-03	0.0
510	107	1.51	4.27e-03	1.33e-03	-2.30	0.0	-0.51	1.15	-1.21e-03	-5.43e-03	4.27e-03	0.0
		0.0	-2.09e-03	3.00e-05	0.0	524.0	-0.51	-1.15	-1.21e-03	-5.43e-03	-2.09e-03	0.0
510	108	1.51	5.10e-03	3.27e-03	-2.30	0.0	-1.84	1.15	7.38e-03	-0.03	-0.03	0.0
		0.0	-0.03	2.41e-03	0.0	524.0	-1.84	-1.15	7.38e-03	-0.03	5.10e-03	0.0
510	111	1.51	0.04	-6.16e-04	-2.30	0.0	0.81	1.15	-9.80e-03	0.02	0.04	0.0
		0.0	-9.28e-03	-2.35e-03	0.0	524.0	0.81	-1.15	-9.80e-03	0.02	-9.28e-03	0.0
510	121	1.51	0.01	2.89e-03	-2.30	0.0	-3.16	1.15	0.02	-0.02	-0.07	0.0
		0.0	-0.07	2.54e-03	0.0	524.0	-3.16	-1.15	0.02	-0.02	0.01	0.0
510	122	1.51	0.08	-2.94e-04	-2.30	0.0	2.13	1.15	-0.02	7.83e-03	0.08	0.0
		0.0	-0.02	-2.48e-03	0.0	524.0	2.13	-1.15	-0.02	7.83e-03	-0.02	0.0
510	140	1.51	6.01e-03	3.51e-03	-2.30	0.0	-2.01	1.15	8.46e-03	-0.03	-0.04	0.0
		0.0	-0.04	2.70e-03	0.0	524.0	-2.01	-1.15	8.46e-03	-0.03	6.01e-03	0.0
510	143	1.51	0.05	-8.61e-04	-2.30	0.0	0.98	1.15	-0.01	0.02	0.05	0.0
		0.0	-0.01	-2.64e-03	0.0	524.0	0.98	-1.15	-0.01	0.02	-0.01	0.0
510	153	1.51	0.01	3.08e-03	-2.30	0.0	-3.50	1.15	0.02	-0.02	-0.08	0.0
		0.0	-0.08	2.87e-03	0.0	524.0	-3.50	-1.15	0.02	-0.02	0.01	0.0
510	154	1.51	0.09	-4.41e-04	-2.30	0.0	2.47	1.15	-0.02	9.35e-03	0.09	0.0
		0.0	-0.02	-2.81e-03	0.0	524.0	2.47	-1.15	-0.02	9.35e-03	-0.02	0.0
510	172	1.51	6.04e-03	3.49e-03	-2.30	0.0	-2.01	1.15	8.48e-03	-0.03	-0.04	0.0
		0.0	-0.04	2.66e-03	0.0	524.0	-2.01	-1.15	8.48e-03	-0.03	6.04e-03	0.0
510	175	1.51	0.05	-8.31e-04	-2.30	0.0	0.98	1.15	-0.01	0.02	0.05	0.0
		0.0	-0.01	-2.60e-03	0.0	524.0	0.98	-1.15	-0.01	0.02	-0.01	0.0
510	185	1.51	0.01	3.09e-03	-2.30	0.0	-3.58	1.15	0.02	-0.02	-0.08	0.0
		0.0	-0.08	2.91e-03	0.0	524.0	-3.58	-1.15	0.02	-0.02	0.01	0.0
510	186	1.51	0.09	-4.44e-04	-2.30	0.0	2.55	1.15	-0.02	7.78e-03	0.09	0.0
		0.0	-0.02	-2.85e-03	0.0	524.0	2.55	-1.15	-0.02	7.78e-03	-0.02	0.0
510	204	1.51	7.49e-03	3.85e-03	-2.30	0.0	-2.28	1.15	0.01	-0.03	-0.05	0.0
		0.0	-0.05	3.09e-03	0.0	524.0	-2.28	-1.15	0.01	-0.03	7.49e-03	0.0
510	207	1.51	0.05	-1.19e-03	-2.30	0.0	1.25	1.15	-0.01	0.02	0.05	0.0
		0.0	-0.01	-3.03e-03	0.0	524.0	1.25	-1.15	-0.01	0.02	-0.01	0.0
510	217	1.51	0.02	3.42e-03	-2.30	0.0	-4.20	1.15	0.02	-0.02	-0.10	0.0
		0.0	-0.10	3.49e-03	0.0	524.0	-4.20	-1.15	0.02	-0.02	0.02	0.0
510	218	1.51	0.11	-7.71e-04	-2.30	0.0	3.17	1.15	-0.02	9.57e-03	0.11	0.0
		0.0	-0.02	-3.43e-03	0.0	524.0	3.17	-1.15	-0.02	9.57e-03	-0.02	0.0
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-32.59	-0.93	-4.97e-03	-186.62		-46.06	-93.31	-2.38	-0.26		
		74.76	1.11	4.00e-03	0.0		41.18	93.31	3.25	0.52		

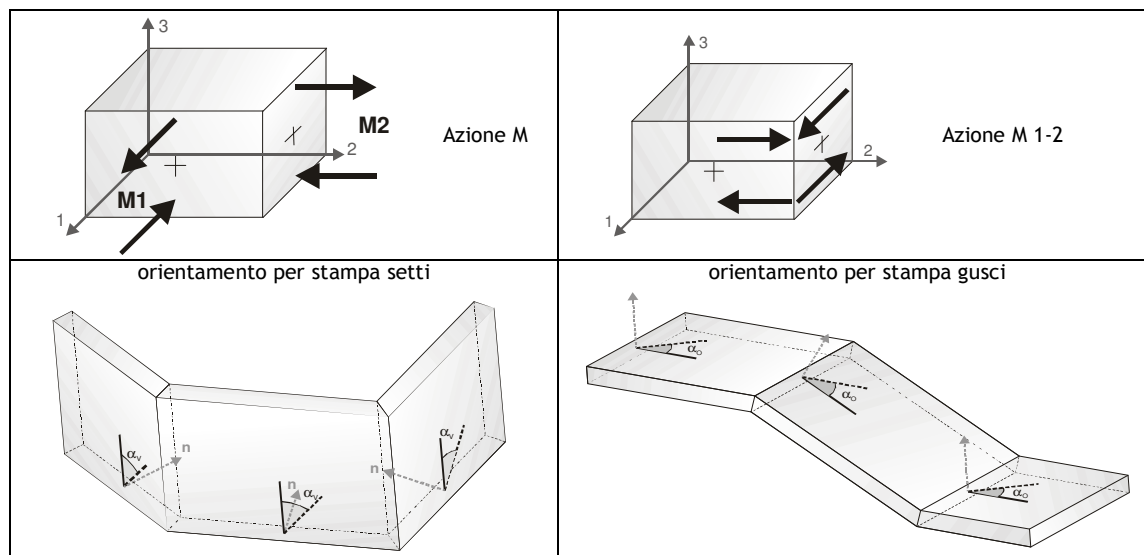
17 RISULTATI ELEMENTI TIPO SHELL

17.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.

Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.





In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	M1	
M2	M1-2	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_o attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_v è zero, l'asse '1-1' rappresenta la verticale e l'asse '2-2' l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

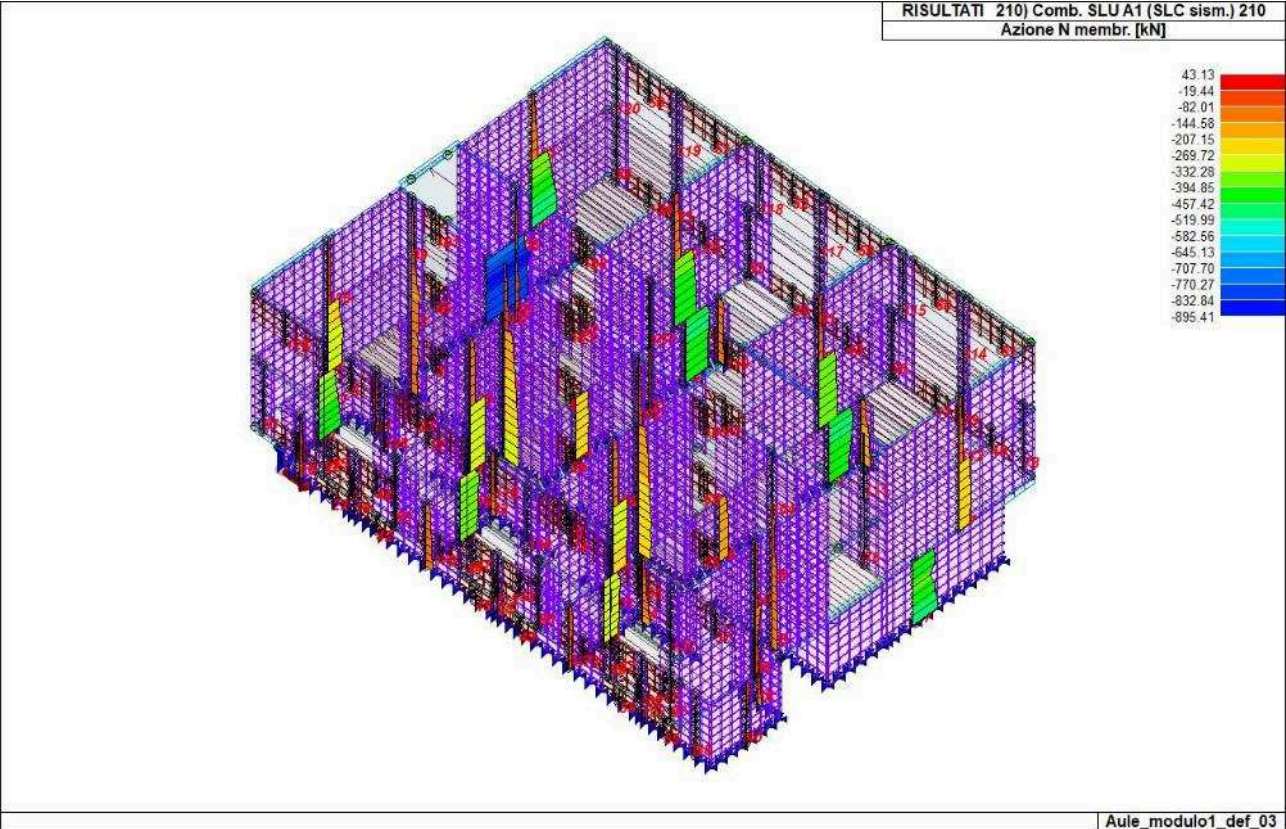


Figura 15: Macro azione N membranale

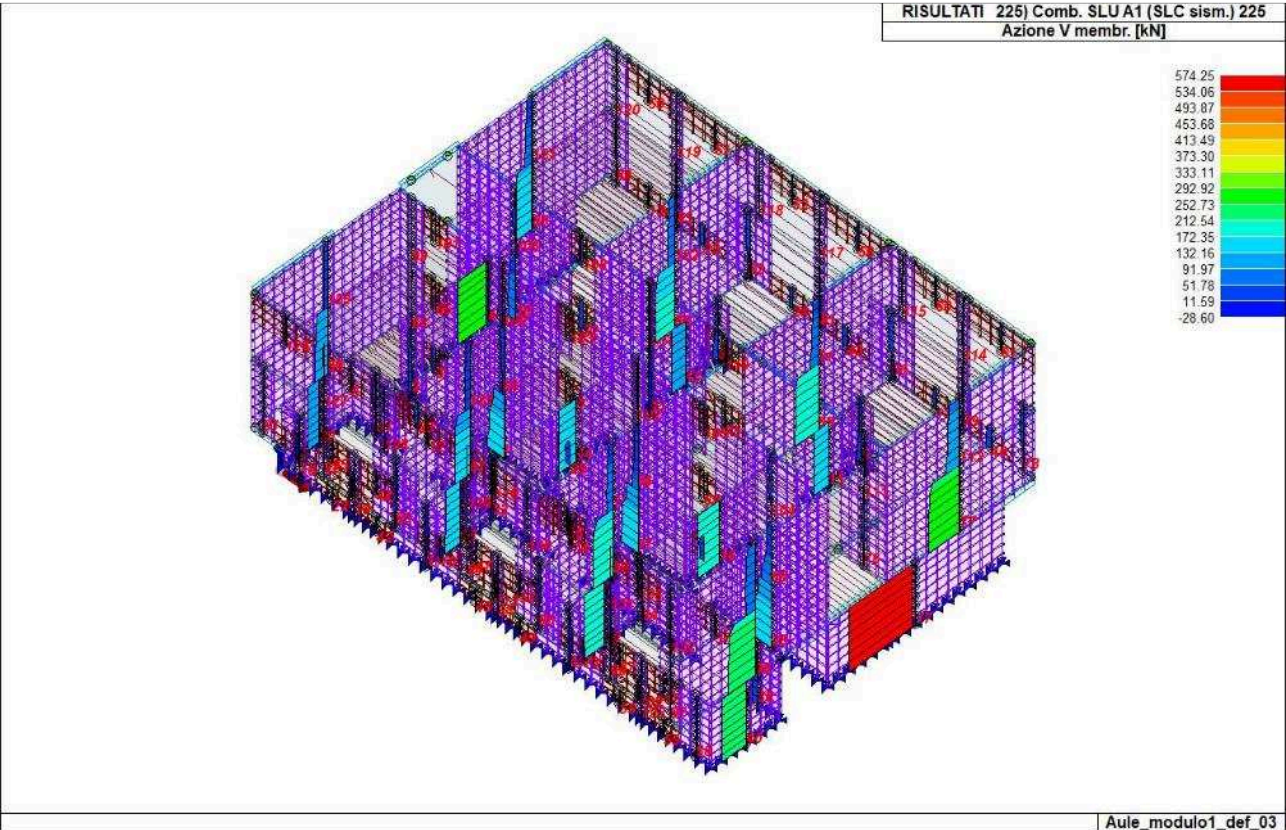


Figura 16: Macro azione V membranale

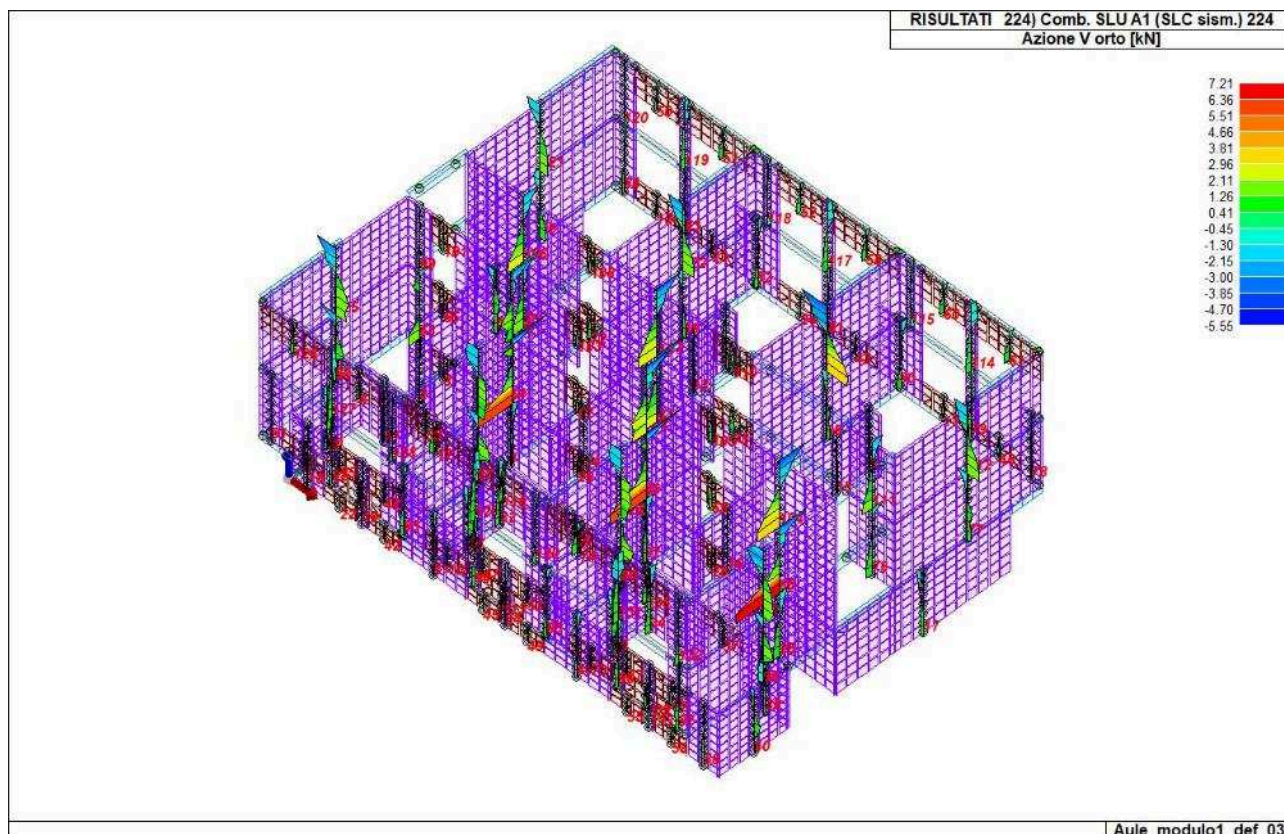


Figura 17: Macro azione V ortogonale

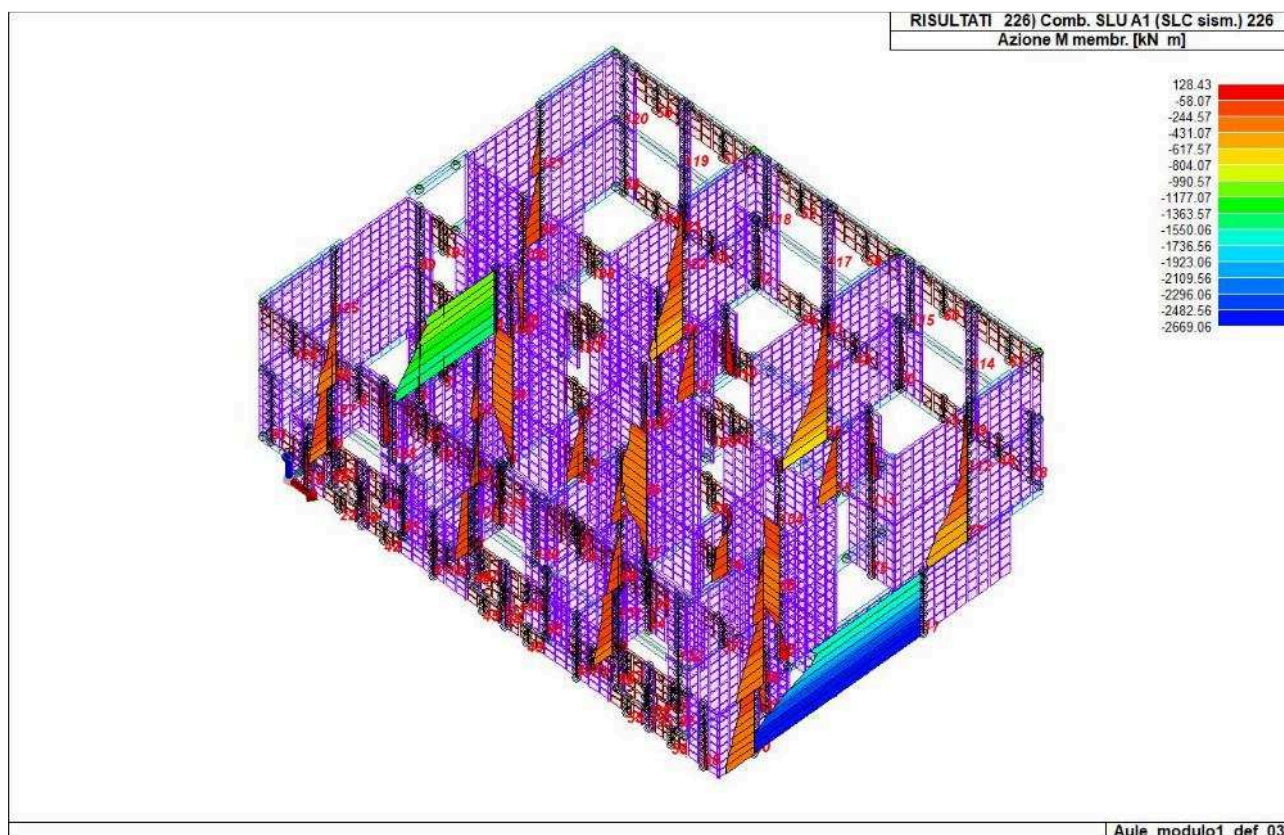


Figura 18: Macro azione M membranale

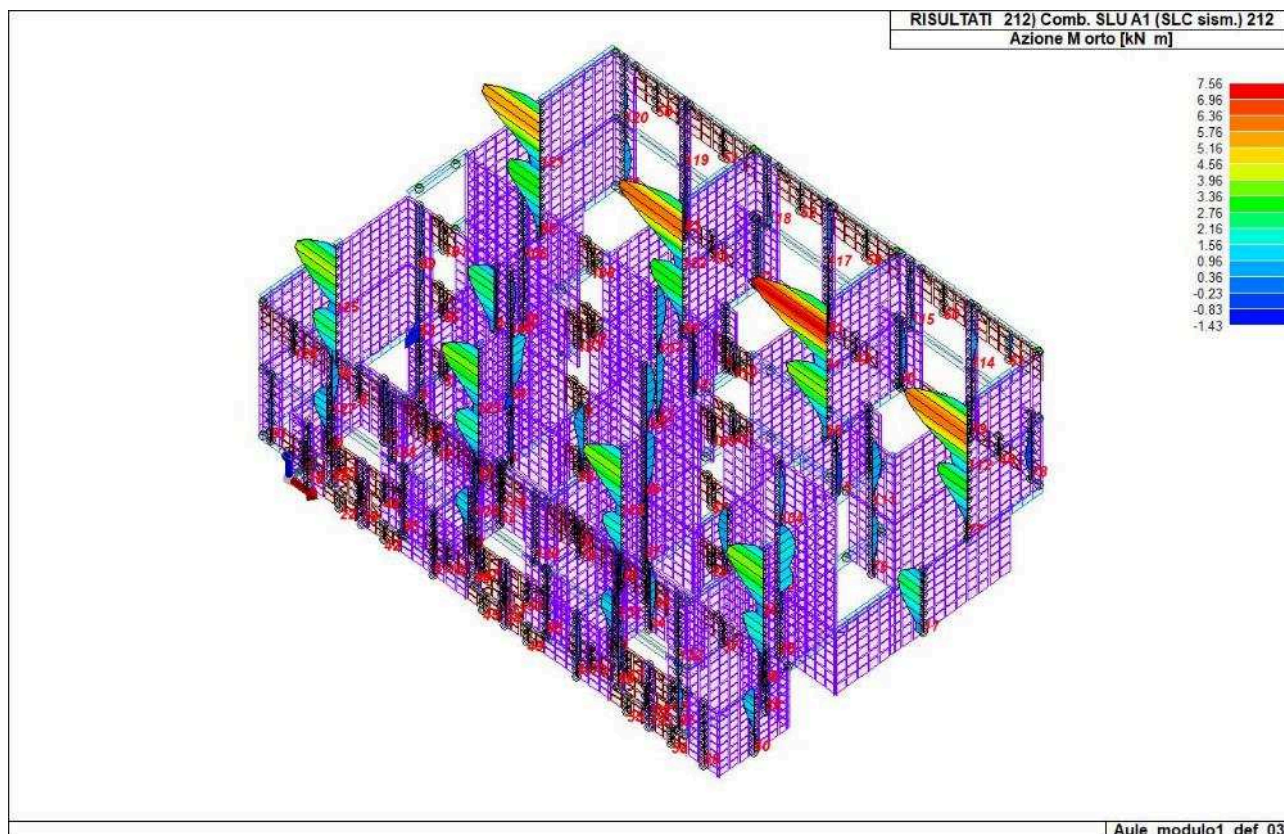


Figura 19: Macro azione M ortogonale

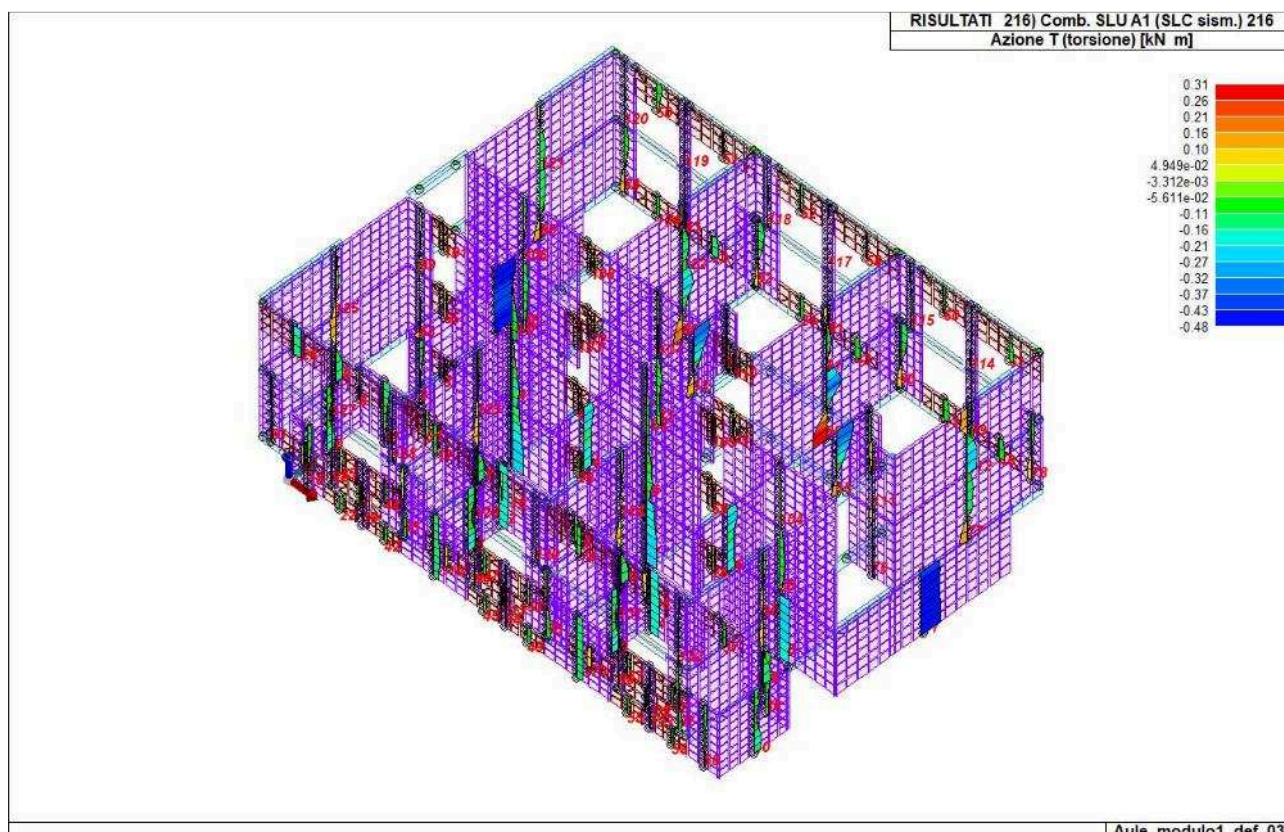


Figura 20: Macro azione T torsionale

Macro	Tipo	Angolo 1-Z (gradi)
1	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
1	4	0.0	-366.04	-1.02	-0.44	-414.88	0.0	-0.02
1	4	52.50	-366.04	-1.02	-0.44	-415.41	-0.23	-0.03
1	4	105.00	-357.34	-1.04	-0.33	-404.23	-0.41	-0.02
1	4	157.50	-351.39	-1.06	-0.19	-399.01	-0.51	-1.42e-03
1	4	210.00	-347.24	-1.08	-0.05	-397.70	-0.53	0.01
1	4	253.33	-335.33	-5.02	0.20	-388.70	-0.45	0.03
1	4	296.67	-328.91	-7.04	0.46	-389.67	-0.25	0.03
1	4	340.00	-307.08	-8.84	0.57	-357.07	0.0	0.03
1	28	0.0	-362.27	-1.04	-0.41	-424.80	0.0	-0.03
1	28	52.50	-362.27	-1.04	-0.41	-425.34	-0.21	-0.03
1	28	105.00	-350.59	-1.05	-0.34	-407.75	-0.39	-0.02
1	28	157.50	-341.69	-1.07	-0.23	-396.16	-0.52	-5.18e-03
1	28	210.00	-334.62	-1.09	-0.09	-388.54	-0.56	0.01
1	28	253.33	-320.58	-4.84	0.18	-374.05	-0.48	0.02
1	28	296.67	-312.13	-6.75	0.48	-369.95	-0.28	0.03
1	28	340.00	-289.40	-8.42	0.64	-334.75	0.0	0.02
1	45	0.0	-140.25	-0.39	-0.13	-136.14	0.0	-0.01
1	45	52.50	-140.25	-0.39	-0.13	-136.34	-0.07	-0.01
1	45	105.00	-132.98	-0.40	-0.13	-126.29	-0.14	-9.62e-03
1	45	157.50	-126.67	-0.40	-0.11	-118.32	-0.19	-4.30e-03
1	45	210.00	-121.01	-0.41	-0.06	-111.75	-0.23	2.09e-03
1	45	253.33	-113.05	-1.43	0.05	-103.78	-0.20	7.62e-03
1	45	296.67	-107.35	-1.94	0.19	-99.27	-0.12	9.78e-03
1	45	340.00	-97.72	-2.38	0.28	-86.58	0.0	8.16e-03
1	68	0.0	-258.76	-0.70	-0.31	-287.45	0.0	-0.02
1	68	52.50	-258.76	-0.70	-0.31	-287.82	-0.16	-0.02
1	68	105.00	-252.42	-0.72	-0.23	-279.94	-0.28	-0.01
1	68	157.50	-248.00	-0.73	-0.14	-276.22	-0.36	-1.06e-03
1	68	210.00	-244.84	-0.75	-0.03	-275.23	-0.37	0.01
1	68	253.33	-236.20	-3.48	0.14	-268.97	-0.31	0.02
1	68	296.67	-231.44	-4.87	0.32	-269.61	-0.18	0.02
1	68	340.00	-215.96	-6.13	0.40	-246.96	0.0	0.02
1	80	0.0	-256.25	-0.72	-0.29	-294.07	0.0	-0.02
1	80	52.50	-256.25	-0.72	-0.29	-294.45	-0.15	-0.02
1	80	105.00	-247.92	-0.73	-0.24	-282.29	-0.28	-0.01
1	80	157.50	-241.53	-0.74	-0.16	-274.32	-0.36	-3.57e-03
1	80	210.00	-236.42	-0.76	-0.06	-269.13	-0.39	7.98e-03
1	80	253.33	-226.36	-3.36	0.13	-259.20	-0.34	0.02
1	80	296.67	-220.25	-4.68	0.34	-256.46	-0.19	0.02
1	80	340.00	-204.17	-5.84	0.45	-232.08	0.0	0.02
1	85	0.0	-149.48	-0.39	-0.15	-144.87	0.0	-0.01
1	85	52.50	-149.48	-0.39	-0.15	-145.08	-0.08	-0.01
1	85	105.00	-142.87	-0.40	-0.14	-136.46	-0.15	-9.01e-03
1	85	157.50	-137.29	-0.41	-0.10	-130.04	-0.20	-3.34e-03
1	85	210.00	-132.39	-0.41	-0.05	-125.12	-0.23	3.27e-03
1	85	253.33	-124.80	-1.60	0.06	-118.36	-0.20	8.88e-03
1	85	296.67	-119.56	-2.19	0.19	-115.22	-0.12	0.01
1	85	340.00	-109.71	-2.71	0.28	-102.36	0.0	9.06e-03
1	98	0.0	-217.75	-0.54	-0.25	-235.17	0.0	-0.01
1	98	52.50	-217.75	-0.54	-0.25	-235.45	-0.13	-0.02
1	98	105.00	-211.26	-0.55	-0.20	-227.15	-0.23	-0.01
1	98	157.50	-206.36	-0.56	-0.12	-222.30	-0.30	-1.93e-03
1	98	210.00	-202.51	-0.57	-0.04	-219.74	-0.32	7.52e-03
1	98	253.33	-194.25	-2.74	0.11	-213.25	-0.27	0.02
1	98	296.67	-189.31	-3.84	0.27	-212.45	-0.15	0.02
1	98	340.00	-175.86	-4.82	0.35	-193.28	0.0	0.01
1	104	0.0	-151.13	-0.35	-0.16	-140.38	0.0	-9.63e-03
1	104	52.50	-151.13	-0.35	-0.16	-140.56	-0.09	-0.01
1	104	105.00	-145.85	-0.35	-0.13	-134.80	-0.15	-7.34e-03
1	104	157.50	-141.59	-0.36	-0.09	-131.22	-0.20	-1.68e-03
1	104	210.00	-138.00	-0.37	-0.03	-129.11	-0.22	4.67e-03
1	104	253.33	-131.37	-1.65	0.07	-124.83	-0.19	9.88e-03
1	104	296.67	-127.05	-2.29	0.18	-123.97	-0.11	0.01
1	104	340.00	-117.60	-2.87	0.25	-112.28	0.0	9.55e-03
1	106	0.0	-151.54	-0.34	-0.17	-139.26	0.0	-9.35e-03
1	106	52.50	-151.54	-0.34	-0.17	-139.43	-0.09	-0.01
1	106	105.00	-146.60	-0.34	-0.13	-134.38	-0.16	-6.92e-03
1	106	157.50	-142.66	-0.35	-0.08	-131.52	-0.20	-1.27e-03
1	106	210.00	-139.41	-0.36	-0.03	-130.11	-0.21	5.02e-03
1	106	253.33	-133.01	-1.66	0.07	-126.44	-0.18	0.01

1	106	296.67	-128.92	-2.32	0.18	-126.15	-0.10	0.01
1	106	340.00	-119.57	-2.91	0.24	-114.76	0.0	9.67e-03
1	107	0.0	-208.29	-0.51	-0.24	-221.46	0.0	-0.01
1	107	52.50	-208.29	-0.51	-0.24	-221.73	-0.12	-0.02
1	107	105.00	-202.02	-0.52	-0.19	-213.90	-0.22	-9.91e-03
1	107	157.50	-197.26	-0.53	-0.12	-209.34	-0.28	-1.83e-03
1	107	210.00	-193.49	-0.54	-0.04	-206.93	-0.30	7.16e-03
1	107	253.33	-185.50	-2.58	0.10	-200.85	-0.26	0.01
1	107	296.67	-180.68	-3.62	0.26	-200.12	-0.15	0.02
1	107	340.00	-167.82	-4.55	0.34	-182.06	0.0	0.01
1	115	0.0	-210.50	-216.52	-0.19	295.73	0.03	0.14
1	115	52.50	-210.50	-216.52	-0.19	295.46	-0.10	0.14
1	115	105.00	-205.70	-214.41	-0.22	203.42	-0.17	0.15
1	115	157.50	-200.01	-213.98	-0.27	117.02	-0.25	0.15
1	115	210.00	-197.39	-213.42	-0.15	29.62	-0.28	0.14
1	115	253.33	-179.36	-168.86	0.17	25.63	-0.28	0.13
1	115	296.67	-167.86	-162.29	0.39	37.54	-0.14	0.13
1	115	340.00	-151.08	-163.39	0.52	57.66	7.18e-04	0.12
1	120	0.0	-215.82	187.14	-0.24	-645.10	-0.01	-0.17
1	120	52.50	-215.82	187.14	-0.24	-645.37	-0.14	-0.17
1	120	105.00	-207.27	185.13	-0.13	-549.98	-0.25	-0.17
1	120	157.50	-203.06	184.83	0.06	-468.36	-0.29	-0.16
1	120	210.00	-199.65	184.44	0.07	-398.46	-0.27	-0.13
1	120	253.33	-208.00	142.34	0.03	-362.96	-0.20	-0.11
1	120	296.67	-201.23	134.80	0.12	-394.54	-0.13	-0.11
1	120	340.00	-192.30	134.04	0.13	-379.79	6.96e-03	-0.10
1	126	0.0	-308.71	-122.83	0.26	-61.08	0.14	0.04
1	126	52.50	-308.71	-122.83	0.26	-61.35	0.01	0.04
1	126	105.00	-301.24	-114.57	0.25	-111.70	0.16	0.06
1	126	157.50	-289.38	-113.78	0.26	-151.09	0.31	0.09
1	126	210.00	-297.18	-113.51	0.08	-226.94	0.44	0.10
1	126	253.33	-291.32	-89.88	-0.14	-247.17	0.48	0.11
1	126	296.67	-294.43	-86.98	-0.31	-269.26	0.42	0.11
1	126	340.00	-284.54	-88.30	-0.62	-263.29	0.22	0.10
1	133	0.0	-109.83	-8.42	-0.88	-455.87	-0.17	7.13e-04
1	133	52.50	-109.83	-8.42	-0.88	-456.14	-0.30	-3.46e-03
1	133	105.00	-105.64	-2.43	-0.77	-392.47	-0.71	1.50e-03
1	133	157.50	-102.60	-2.26	-0.61	-332.59	-1.05	7.66e-03
1	133	210.00	-86.73	-2.26	-0.17	-248.41	-1.27	-0.03
1	133	253.33	-76.13	-4.96	0.43	-205.78	-1.21	-0.06
1	133	296.67	-63.75	-6.31	1.00	-183.24	-0.87	-0.06
1	133	340.00	-46.50	-8.01	1.58	-146.55	-0.28	-0.06
1	147	0.0	-210.77	-243.94	-0.19	361.30	0.03	0.16
1	147	52.50	-210.77	-243.94	-0.19	361.03	-0.10	0.16
1	147	105.00	-206.16	-241.57	-0.22	256.35	-0.16	0.17
1	147	157.50	-200.34	-241.09	-0.28	158.42	-0.24	0.17
1	147	210.00	-197.84	-240.45	-0.17	59.62	-0.27	0.15
1	147	253.33	-178.56	-189.98	0.18	54.30	-0.28	0.15
1	147	296.67	-166.25	-182.43	0.41	67.57	-0.14	0.15
1	147	340.00	-148.97	-183.56	0.54	87.98	9.64e-04	0.14
1	152	0.0	-216.83	211.72	-0.24	-700.07	-0.02	-0.19
1	152	52.50	-216.83	211.72	-0.24	-700.33	-0.14	-0.19
1	152	105.00	-207.98	209.46	-0.12	-593.51	-0.25	-0.19
1	152	157.50	-203.89	209.12	0.08	-501.81	-0.29	-0.18
1	152	210.00	-200.65	208.67	0.09	-423.11	-0.27	-0.15
1	152	253.33	-210.90	161.34	0.02	-384.12	-0.19	-0.12
1	152	296.67	-204.00	152.94	0.10	-419.36	-0.13	-0.12
1	152	340.00	-195.58	152.20	0.11	-405.11	7.89e-03	-0.11
1	158	0.0	-321.34	-138.40	0.32	-40.69	0.15	0.05
1	158	52.50	-321.34	-138.40	0.32	-40.96	0.03	0.04
1	158	105.00	-313.69	-129.08	0.31	-98.61	0.20	0.07
1	158	157.50	-300.91	-128.19	0.31	-143.59	0.38	0.10
1	158	210.00	-310.08	-127.90	0.10	-229.23	0.53	0.11
1	158	253.33	-304.49	-101.01	-0.17	-252.75	0.57	0.12
1	158	296.67	-308.58	-97.60	-0.38	-277.67	0.49	0.12
1	158	340.00	-299.06	-98.97	-0.74	-273.21	0.25	0.11
1	165	0.0	-97.39	-9.47	-0.96	-485.25	-0.19	2.60e-03
1	165	52.50	-97.39	-9.47	-0.96	-485.52	-0.32	-1.68e-03
1	165	105.00	-93.48	-2.73	-0.84	-414.76	-0.77	3.08e-03
1	165	157.50	-90.67	-2.54	-0.67	-347.88	-1.15	9.00e-03
1	165	210.00	-73.38	-2.54	-0.19	-253.60	-1.38	-0.04
1	165	253.33	-62.43	-5.31	0.47	-206.38	-1.33	-0.07
1	165	296.67	-49.12	-6.70	1.09	-181.09	-0.96	-0.07
1	165	340.00	-31.32	-8.48	1.73	-142.08	-0.31	-0.06
1	179	0.0	-210.32	-244.05	-0.19	357.22	0.03	0.16

1	179	52.50	-210.32	-244.05	-0.19	356.95	-0.10	0.16
1	179	105.00	-205.58	-241.68	-0.22	252.97	-0.17	0.17
1	179	157.50	-199.50	-241.20	-0.28	155.44	-0.24	0.17
1	179	210.00	-196.17	-240.56	-0.17	57.55	-0.27	0.15
1	179	253.33	-177.35	-190.09	0.18	51.83	-0.28	0.15
1	179	296.67	-165.26	-182.54	0.40	64.40	-0.14	0.15
1	179	340.00	-148.01	-183.63	0.54	85.29	9.04e-05	0.14
1	184	0.0	-217.30	217.45	-0.25	-707.68	-0.02	-0.19
1	184	52.50	-217.30	217.45	-0.25	-707.95	-0.14	-0.20
1	184	105.00	-208.43	215.19	-0.13	-598.73	-0.26	-0.20
1	184	157.50	-204.87	214.85	0.08	-505.00	-0.30	-0.18
1	184	210.00	-202.85	214.40	0.09	-424.76	-0.27	-0.15
1	184	253.33	-211.45	165.88	0.02	-388.26	-0.19	-0.13
1	184	296.67	-205.60	157.27	0.10	-419.47	-0.12	-0.13
1	184	340.00	-197.23	156.50	0.11	-406.03	9.03e-03	-0.12
1	190	0.0	-320.04	-138.62	0.28	-42.39	0.14	0.05
1	190	52.50	-320.04	-138.62	0.28	-42.65	0.02	0.04
1	190	105.00	-312.13	-129.33	0.29	-99.48	0.18	0.07
1	190	157.50	-299.18	-128.46	0.30	-144.26	0.35	0.10
1	190	210.00	-307.29	-128.17	0.10	-228.73	0.50	0.11
1	190	253.33	-301.81	-101.29	-0.15	-251.72	0.54	0.12
1	190	296.67	-305.69	-97.87	-0.35	-276.13	0.47	0.12
1	190	340.00	-296.11	-99.21	-0.70	-271.17	0.24	0.11
1	197	0.0	-98.17	-9.76	-0.92	-481.73	-0.18	2.88e-03
1	197	52.50	-98.17	-9.76	-0.92	-482.00	-0.31	-1.36e-03
1	197	105.00	-94.45	-3.06	-0.82	-411.49	-0.75	3.52e-03
1	197	157.50	-91.77	-2.90	-0.66	-344.79	-1.11	9.43e-03
1	197	210.00	-75.50	-2.91	-0.19	-252.84	-1.35	-0.04
1	197	253.33	-64.40	-5.60	0.45	-205.92	-1.30	-0.07
1	197	296.67	-51.32	-6.94	1.06	-180.82	-0.94	-0.07
1	197	340.00	-33.56	-8.68	1.69	-142.16	-0.31	-0.06
1	211	0.0	-210.46	-286.91	-0.19	456.75	0.03	0.19
1	211	52.50	-210.46	-286.91	-0.19	456.48	-0.09	0.19
1	211	105.00	-205.92	-284.13	-0.22	333.22	-0.16	0.20
1	211	157.50	-199.49	-283.56	-0.31	217.90	-0.23	0.20
1	211	210.00	-195.82	-282.80	-0.19	102.81	-0.27	0.18
1	211	253.33	-175.37	-223.10	0.19	94.80	-0.28	0.17
1	211	296.67	-162.07	-214.03	0.43	109.17	-0.14	0.17
1	211	340.00	-144.09	-215.14	0.58	130.75	-5.30e-04	0.16
1	216	0.0	-218.70	261.86	-0.26	-805.82	-0.02	-0.23
1	216	52.50	-218.70	261.86	-0.26	-806.09	-0.15	-0.23
1	216	105.00	-209.30	259.21	-0.12	-676.02	-0.26	-0.23
1	216	157.50	-206.20	258.80	0.11	-563.91	-0.30	-0.22
1	216	210.00	-205.06	258.26	0.11	-467.49	-0.27	-0.18
1	216	253.33	-216.01	200.28	0.01	-426.08	-0.18	-0.16
1	216	296.67	-210.41	190.12	0.07	-461.40	-0.12	-0.16
1	216	340.00	-202.89	189.36	0.07	-449.14	9.86e-03	-0.15
1	222	0.0	-338.77	-163.00	0.36	-11.29	0.16	0.06
1	222	52.50	-338.77	-163.00	0.36	-11.56	0.04	0.05
1	222	105.00	-330.33	-152.11	0.36	-79.10	0.24	0.09
1	222	157.50	-315.78	-151.11	0.36	-132.29	0.45	0.12
1	222	210.00	-325.51	-150.76	0.12	-231.52	0.63	0.13
1	222	253.33	-320.46	-118.82	-0.19	-259.19	0.67	0.14
1	222	296.67	-325.66	-114.62	-0.45	-287.56	0.57	0.14
1	222	340.00	-316.59	-116.01	-0.87	-284.60	0.28	0.13
1	229	0.0	-79.37	-11.53	-1.03	-524.73	-0.21	6.51e-03
1	229	52.50	-79.37	-11.53	-1.03	-525.00	-0.34	2.13e-03
1	229	105.00	-76.25	-3.70	-0.92	-443.64	-0.83	6.69e-03
1	229	157.50	-74.18	-3.53	-0.75	-366.51	-1.25	0.01
1	229	210.00	-56.13	-3.55	-0.22	-260.02	-1.52	-0.05
1	229	253.33	-44.49	-6.31	0.51	-206.41	-1.47	-0.08
1	229	296.67	-30.18	-7.66	1.20	-177.27	-1.07	-0.08
1	229	340.00	-11.63	-9.50	1.92	-135.32	-0.36	-0.08

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-366.04	-286.91	-1.03	-806.09	-1.52	-0.23
	-11.63	261.86	1.92	456.75	0.67	0.20

Macro	Tipo	Angolo 1-Z (gradi)
2	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
2	4	0.0	-105.62	1.42	-9.08e-03	-7.38	0.0	3.81e-03
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2217 DI 2790				

2	4	52.50	-105.62	1.42	-9.08e-03	-6.63	-4.77e-03	4.84e-03
2	4	105.00	-110.00	1.44	-0.02	-2.68	-0.01	3.94e-03
2	4	157.50	-112.77	1.44	-0.01	0.26	-0.02	1.64e-03
2	4	210.00	-114.92	1.44	2.26e-03	2.80	-0.02	-1.20e-03
2	4	253.33	-112.02	1.53	0.02	7.75	-0.01	-3.32e-03
2	4	296.67	-110.66	2.46	0.03	10.89	7.86e-04	-4.03e-03
2	4	340.00	-73.06	3.40	-5.23e-03	-7.11	6.37e-04	-1.85e-03
2	18	0.0	-94.46	0.98	-0.01	-7.55	0.0	4.37e-03
2	18	52.50	-94.46	0.98	-0.01	-7.03	-6.35e-03	5.46e-03
2	18	105.00	-98.82	0.98	-0.02	-3.33	-0.02	4.19e-03
2	18	157.50	-101.87	0.97	-0.01	-0.47	-0.02	1.86e-03
2	18	210.00	-104.40	0.97	1.95e-03	2.07	-0.02	-8.59e-04
2	18	253.33	-102.25	1.00	0.02	6.81	-0.01	-2.89e-03
2	18	296.67	-101.45	1.83	0.02	9.87	-2.53e-03	-3.75e-03
2	18	340.00	-67.35	2.70	2.80e-03	-6.52	3.95e-04	-2.21e-03
2	28	0.0	-101.59	1.94	7.89e-04	-5.04	0.0	1.42e-03
2	28	52.50	-101.59	1.94	7.89e-04	-4.02	4.14e-04	2.03e-03
2	28	105.00	-104.38	1.98	-0.02	-0.79	-8.56e-03	2.32e-03
2	28	157.50	-105.39	1.99	-0.01	1.32	-0.01	7.40e-04
2	28	210.00	-105.70	2.00	1.10e-03	3.00	-0.01	-1.62e-03
2	28	253.33	-101.44	2.16	0.02	6.91	-6.27e-03	-3.47e-03
2	28	296.67	-98.80	2.96	0.03	9.26	6.21e-03	-3.86e-03
2	28	340.00	-64.87	3.72	-0.02	-6.62	9.21e-04	-9.77e-04
2	45	0.0	-36.17	0.89	5.89e-03	-0.75	0.0	-7.64e-04
2	45	52.50	-36.17	0.89	5.89e-03	-0.28	3.09e-03	-7.38e-04
2	45	105.00	-35.90	0.92	-5.81e-03	0.36	4.55e-05	7.02e-05
2	45	157.50	-34.85	0.93	-5.77e-03	0.52	-2.99e-03	-1.37e-04
2	45	210.00	-33.50	0.93	-1.57e-03	0.49	-3.81e-03	-8.48e-04
2	45	253.33	-30.62	1.02	4.97e-03	1.31	-1.66e-03	-1.57e-03
2	45	296.67	-28.46	1.15	0.01	1.64	3.02e-03	-1.76e-03
2	45	340.00	-18.84	1.23	-8.02e-03	-2.33	3.98e-04	-4.45e-04
2	68	0.0	-74.40	0.99	-6.33e-03	-5.22	0.0	2.67e-03
2	68	52.50	-74.40	0.99	-6.33e-03	-4.69	-3.32e-03	3.39e-03
2	68	105.00	-77.41	1.00	-0.01	-1.94	-0.01	2.77e-03
2	68	157.50	-79.28	1.00	-8.12e-03	0.10	-0.01	1.15e-03
2	68	210.00	-80.72	1.00	1.43e-03	1.86	-0.01	-8.54e-04
2	68	253.33	-78.59	1.06	0.01	5.33	-8.35e-03	-2.36e-03
2	68	296.67	-77.55	1.70	0.02	7.52	3.23e-04	-2.89e-03
2	68	340.00	-51.26	2.35	-3.14e-03	-5.02	4.39e-04	-1.37e-03
2	75	0.0	-66.96	0.69	-8.33e-03	-5.33	0.0	3.04e-03
2	75	52.50	-66.96	0.69	-8.33e-03	-4.96	-4.37e-03	3.81e-03
2	75	105.00	-69.96	0.69	-0.01	-2.38	-0.01	2.94e-03
2	75	157.50	-72.01	0.69	-7.22e-03	-0.39	-0.01	1.30e-03
2	75	210.00	-73.70	0.69	1.23e-03	1.37	-0.01	-6.26e-04
2	75	253.33	-72.07	0.71	0.01	4.70	-9.46e-03	-2.08e-03
2	75	296.67	-71.41	1.28	0.02	6.84	-1.89e-03	-2.70e-03
2	75	340.00	-47.45	1.88	2.21e-03	-4.63	2.77e-04	-1.61e-03
2	80	0.0	-71.72	1.33	2.54e-04	-3.66	0.0	1.07e-03
2	80	52.50	-71.72	1.33	2.54e-04	-2.96	1.34e-04	1.52e-03
2	80	105.00	-73.67	1.36	-0.01	-0.68	-6.26e-03	1.69e-03
2	80	157.50	-74.36	1.37	-8.56e-03	0.81	-0.01	5.54e-04
2	80	210.00	-74.57	1.37	6.58e-04	1.99	-0.01	-1.14e-03
2	80	253.33	-71.54	1.48	0.01	4.77	-4.84e-03	-2.47e-03
2	80	296.67	-69.64	2.03	0.02	6.43	3.94e-03	-2.78e-03
2	80	340.00	-45.80	2.56	-0.01	-4.69	6.28e-04	-7.84e-04
2	85	0.0	-39.72	0.79	3.05e-03	-1.54	0.0	-5.21e-05
2	85	52.50	-39.72	0.79	3.05e-03	-1.13	1.60e-03	1.03e-04
2	85	105.00	-39.99	0.82	-6.78e-03	-0.19	-1.96e-03	5.72e-04
2	85	157.50	-39.50	0.82	-5.79e-03	0.27	-5.00e-03	1.18e-04
2	85	210.00	-38.71	0.82	-1.06e-03	0.54	-5.55e-03	-7.80e-04
2	85	253.33	-36.15	0.89	5.69e-03	1.75	-3.09e-03	-1.61e-03
2	85	296.67	-34.33	1.08	0.01	2.37	1.88e-03	-1.87e-03
2	85	340.00	-22.80	1.25	-5.53e-03	-2.62	3.53e-04	-6.68e-04
2	98	0.0	-61.41	0.94	-2.87e-03	-3.80	0.0	1.64e-03
2	98	52.50	-61.41	0.94	-2.87e-03	-3.30	-1.51e-03	2.15e-03
2	98	105.00	-63.40	0.96	-0.01	-1.21	-7.30e-03	1.93e-03
2	98	157.50	-64.39	0.96	-7.19e-03	0.25	-0.01	7.36e-04
2	98	210.00	-65.00	0.96	6.84e-04	1.47	-0.01	-8.58e-04
2	98	253.33	-62.71	1.04	0.01	4.10	-6.13e-03	-2.10e-03
2	98	296.67	-61.39	1.52	0.02	5.73	1.24e-03	-2.50e-03
2	98	340.00	-40.48	2.00	-4.82e-03	-4.07	4.26e-04	-1.05e-03
2	104	0.0	-41.53	0.57	-1.36e-03	-2.60	0.0	9.95e-04
2	104	52.50	-41.53	0.57	-1.36e-03	-2.30	-7.14e-04	1.33e-03
2	104	105.00	-42.51	0.58	-7.66e-03	-1.05	-4.74e-03	1.26e-03
2	104	157.50	-42.82	0.58	-5.40e-03	-0.21	-7.57e-03	4.87e-04

2	104	210.00	-42.86	0.58	-3.54e-04	0.45	-7.76e-03	-6.17e-04
2	104	253.33	-40.90	0.61	6.04e-03	2.13	-5.14e-03	-1.54e-03
2	104	296.67	-39.66	0.86	0.01	3.11	-1.93e-04	-1.93e-03
2	104	340.00	-26.48	1.11	-8.32e-04	-2.84	2.45e-04	-9.97e-04
2	106	0.0	-41.98	0.51	-2.46e-03	-2.87	0.0	1.26e-03
2	106	52.50	-41.98	0.51	-2.46e-03	-2.60	-1.29e-03	1.63e-03
2	106	105.00	-43.14	0.52	-7.88e-03	-1.26	-5.43e-03	1.44e-03
2	106	157.50	-43.65	0.52	-5.30e-03	-0.33	-8.21e-03	5.79e-04
2	106	210.00	-43.89	0.52	-1.78e-04	0.43	-8.31e-03	-5.76e-04
2	106	253.33	-42.09	0.54	6.12e-03	2.22	-5.65e-03	-1.53e-03
2	106	296.67	-40.99	0.80	0.01	3.29	-7.12e-04	-1.94e-03
2	106	340.00	-27.40	1.07	3.43e-04	-2.90	2.18e-04	-1.08e-03
2	107	0.0	-58.63	0.88	-2.81e-03	-3.67	0.0	1.59e-03
2	107	52.50	-58.63	0.88	-2.81e-03	-3.20	-1.48e-03	2.07e-03
2	107	105.00	-60.50	0.90	-0.01	-1.22	-7.03e-03	1.86e-03
2	107	157.50	-61.43	0.90	-6.92e-03	0.17	-0.01	7.13e-04
2	107	210.00	-61.98	0.90	5.61e-04	1.32	-0.01	-8.18e-04
2	107	253.33	-59.77	0.96	9.94e-03	3.83	-6.06e-03	-2.02e-03
2	107	296.67	-58.48	1.42	0.02	5.38	9.62e-04	-2.42e-03
2	107	340.00	-38.61	1.87	-4.09e-03	-3.90	3.96e-04	-1.06e-03
2	109	0.0	-21.29	40.50	-0.03	-54.50	-6.36e-03	-9.73e-03
2	109	52.50	-21.29	40.50	-0.03	-54.04	-7.84e-03	-0.01
2	109	105.00	-30.40	39.99	-0.07	-40.02	-0.06	-0.02
2	109	157.50	-24.85	39.59	0.05	-24.98	-0.07	-0.03
2	109	210.00	-13.28	39.30	0.03	-11.97	-0.08	-0.03
2	109	253.33	-13.90	22.12	-0.03	-9.07	0.02	-0.04
2	109	296.67	6.07	22.79	0.03	-7.70	5.04e-03	-0.04
2	109	340.00	9.19	24.00	-0.05	-15.86	-8.39e-03	-0.05
2	112	0.0	-40.73	38.39	0.04	-67.81	0.01	6.86e-03
2	112	52.50	-40.73	38.39	0.04	-67.34	9.18e-03	5.26e-03
2	112	105.00	-50.18	37.35	-7.14e-03	-48.78	-8.91e-03	-6.47e-03
2	112	157.50	-44.80	36.82	0.10	-30.80	8.13e-03	-0.02
2	112	210.00	-47.63	36.58	0.04	-10.34	0.01	-0.04
2	112	253.33	-50.54	20.33	-0.09	-4.46	0.11	-0.05
2	112	296.67	-34.62	21.20	-0.09	-0.66	0.05	-0.06
2	112	340.00	-27.93	22.55	-0.16	-11.07	0.01	-0.06
2	133	0.0	-4.17	6.30	-0.14	-4.60	-0.04	-0.03
2	133	52.50	-4.17	6.30	-0.14	-4.13	-0.04	-0.03
2	133	105.00	-11.27	8.04	-0.14	-4.26	-0.12	-0.02
2	133	157.50	-13.42	8.40	-0.08	-0.16	-0.20	-0.02
2	133	210.00	22.31	8.16	-0.01	-8.57	-0.23	2.69e-03
2	133	253.33	27.86	5.79	0.12	-11.09	-0.17	0.01
2	133	296.67	40.80	5.64	0.24	-13.98	-0.10	0.01
2	133	340.00	48.06	5.60	0.17	-18.82	-0.04	0.02
2	134	0.0	-113.09	-4.53	0.14	-2.73	0.04	0.03
2	134	52.50	-113.09	-4.53	0.14	-2.27	0.03	0.03
2	134	105.00	-109.74	-6.24	0.12	1.82	0.11	0.03
2	134	157.50	-109.43	-6.60	0.07	0.50	0.17	0.02
2	134	210.00	-146.27	-6.36	0.01	11.21	0.21	-4.33e-03
2	134	253.33	-147.40	-3.86	-0.10	18.76	0.16	-0.01
2	134	296.67	-157.75	-2.80	-0.21	24.74	0.10	-0.02
2	134	340.00	-125.29	-1.86	-0.18	11.01	0.04	-0.02
2	141	0.0	-16.64	45.53	-0.03	-60.97	-7.09e-03	-0.01
2	141	52.50	-16.64	45.53	-0.03	-60.50	-8.57e-03	-0.01
2	141	105.00	-26.63	44.96	-0.07	-44.95	-0.06	-0.02
2	141	157.50	-20.28	44.51	0.06	-28.17	-0.08	-0.03
2	141	210.00	-7.20	44.17	0.03	-13.64	-0.09	-0.03
2	141	253.33	-8.20	24.81	-0.03	-10.68	0.02	-0.04
2	141	296.67	14.08	25.50	0.03	-9.33	5.63e-03	-0.05
2	141	340.00	15.10	26.82	-0.06	-17.35	-9.43e-03	-0.05
2	144	0.0	-38.48	43.15	0.04	-75.98	0.01	7.51e-03
2	144	52.50	-38.48	43.15	0.04	-75.51	0.01	5.64e-03
2	144	105.00	-48.87	41.98	-6.76e-03	-54.83	-9.38e-03	-7.57e-03
2	144	157.50	-42.71	41.38	0.11	-34.72	0.01	-0.02
2	144	210.00	-45.82	41.11	0.04	-11.81	0.02	-0.04
2	144	253.33	-49.40	22.79	-0.11	-5.49	0.12	-0.06
2	144	296.67	-31.67	23.71	-0.11	-1.42	0.06	-0.07
2	144	340.00	-26.63	25.18	-0.18	-11.96	0.01	-0.07
2	165	0.0	2.58	6.98	-0.16	-4.63	-0.04	-0.03
2	165	52.50	2.58	6.98	-0.16	-4.17	-0.04	-0.03
2	165	105.00	-5.11	8.92	-0.16	-4.59	-0.13	-0.03
2	165	157.50	-7.40	9.33	-0.09	-0.20	-0.22	-0.02
2	165	210.00	32.83	9.05	-0.01	-9.79	-0.25	3.17e-03
2	165	253.33	38.80	6.38	0.13	-12.95	-0.19	0.01
2	165	296.67	53.20	6.15	0.27	-16.41	-0.11	0.02

2	165	340.00	58.88	6.05	0.20	-20.68	-0.05	0.02
2	166	0.0	-119.84	-5.21	0.15	-2.70	0.04	0.04
2	166	52.50	-119.84	-5.21	0.15	-2.24	0.04	0.03
2	166	105.00	-115.90	-7.13	0.14	2.15	0.12	0.03
2	166	157.50	-115.46	-7.53	0.08	0.53	0.20	0.02
2	166	210.00	-156.80	-7.26	0.02	12.44	0.23	-4.81e-03
2	166	253.33	-158.34	-4.45	-0.11	20.62	0.18	-0.02
2	166	296.67	-170.15	-3.32	-0.23	27.16	0.11	-0.02
2	166	340.00	-136.11	-2.32	-0.20	12.87	0.05	-0.03
2	173	0.0	-18.68	45.52	-0.03	-61.13	-6.79e-03	-0.01
2	173	52.50	-18.68	45.52	-0.03	-60.67	-8.27e-03	-0.01
2	173	105.00	-27.63	44.93	-0.07	-44.81	-0.06	-0.02
2	173	157.50	-21.72	44.47	0.06	-27.91	-0.08	-0.03
2	173	210.00	-9.54	44.13	0.03	-13.12	-0.09	-0.03
2	173	253.33	-10.96	24.77	-0.04	-9.71	0.03	-0.04
2	173	296.67	10.14	25.51	0.02	-8.42	5.87e-03	-0.05
2	173	340.00	11.34	26.87	-0.06	-16.59	-8.59e-03	-0.05
2	176	0.0	-39.93	43.13	0.04	-76.26	0.01	7.41e-03
2	176	52.50	-39.93	43.13	0.04	-75.79	9.44e-03	5.46e-03
2	176	105.00	-49.34	41.97	-5.16e-03	-54.76	-0.01	-7.84e-03
2	176	157.50	-43.67	41.38	0.11	-34.43	9.71e-03	-0.02
2	176	210.00	-47.35	41.11	0.04	-11.41	0.02	-0.04
2	176	253.33	-51.27	22.80	-0.10	-4.71	0.12	-0.06
2	176	296.67	-34.62	23.74	-0.11	-0.71	0.06	-0.07
2	176	340.00	-29.49	25.25	-0.17	-11.34	0.01	-0.07
2	197	0.0	1.04	6.92	-0.15	-4.08	-0.04	-0.03
2	197	52.50	1.04	6.92	-0.15	-3.62	-0.04	-0.03
2	197	105.00	-5.95	8.80	-0.15	-4.16	-0.13	-0.03
2	197	157.50	-8.13	9.16	-0.09	-0.08	-0.21	-0.02
2	197	210.00	31.15	8.88	-0.01	-9.48	-0.24	3.33e-03
2	197	253.33	36.99	6.24	0.13	-12.49	-0.19	0.01
2	197	296.67	51.03	6.02	0.26	-15.97	-0.11	0.02
2	197	340.00	56.85	5.96	0.19	-20.30	-0.04	0.02
2	198	0.0	-118.31	-5.16	0.14	-3.25	0.04	0.03
2	198	52.50	-118.31	-5.16	0.14	-2.78	0.04	0.03
2	198	105.00	-115.06	-7.01	0.13	1.72	0.11	0.03
2	198	157.50	-114.73	-7.36	0.07	0.42	0.19	0.02
2	198	210.00	-155.11	-7.08	0.02	12.13	0.22	-4.97e-03
2	198	253.33	-156.53	-4.31	-0.11	20.16	0.18	-0.02
2	198	296.67	-167.98	-3.19	-0.23	26.73	0.11	-0.02
2	198	340.00	-134.08	-2.23	-0.20	12.49	0.05	-0.03
2	205	0.0	-12.82	53.36	-0.03	-71.35	-8.05e-03	-0.01
2	205	52.50	-12.82	53.36	-0.03	-70.89	-9.52e-03	-0.01
2	205	105.00	-22.43	52.66	-0.08	-52.41	-0.07	-0.03
2	205	157.50	-15.61	52.11	0.07	-32.70	-0.09	-0.04
2	205	210.00	-1.62	51.71	0.04	-15.37	-0.10	-0.04
2	205	253.33	-3.97	28.95	-0.04	-11.53	0.03	-0.05
2	205	296.67	19.98	29.75	0.02	-10.29	6.72e-03	-0.06
2	205	340.00	17.89	31.31	-0.07	-18.37	-9.77e-03	-0.06
2	216	0.0	-44.82	45.85	0.04	-83.40	0.01	4.36e-03
2	216	52.50	-44.82	45.85	0.04	-82.93	0.01	1.40e-03
2	216	105.00	-58.66	44.57	0.09	-58.96	0.06	-0.01
2	216	157.50	-55.83	43.96	0.13	-35.91	0.02	-0.03
2	216	210.00	-63.71	43.74	0.06	-9.65	0.15	-0.05
2	216	253.33	-66.25	24.40	-0.12	-2.46	0.14	-0.07
2	216	296.67	-64.05	25.73	-0.13	-4.14	0.06	-0.08
2	216	340.00	-38.23	27.85	-0.19	-9.45	0.02	-0.09
2	229	0.0	10.34	7.96	-0.17	-3.71	-0.04	-0.04
2	229	52.50	10.34	7.96	-0.17	-3.25	-0.05	-0.03
2	229	105.00	2.92	10.09	-0.18	-4.33	-0.15	-0.03
2	229	157.50	0.65	10.49	-0.10	-0.04	-0.24	-0.02
2	229	210.00	46.21	10.14	-0.02	-11.15	-0.28	4.29e-03
2	229	253.33	52.58	7.06	0.15	-15.02	-0.22	0.01
2	229	296.67	68.63	6.74	0.30	-19.37	-0.13	0.02
2	229	340.00	72.08	6.61	0.22	-22.88	-0.05	0.03
2	230	0.0	-127.61	-6.19	0.17	-3.62	0.04	0.04
2	230	52.50	-127.61	-6.19	0.17	-3.15	0.04	0.04
2	230	105.00	-123.93	-8.30	0.15	1.89	0.13	0.03
2	230	157.50	-123.50	-8.69	0.09	0.38	0.22	0.03
2	230	210.00	-170.17	-8.34	0.02	13.80	0.26	-5.92e-03
2	230	253.33	-172.12	-5.13	-0.13	22.69	0.21	-0.02
2	230	296.67	-185.59	-3.90	-0.27	30.12	0.13	-0.02
2	230	340.00	-149.31	-2.88	-0.23	15.07	0.05	-0.03

M_S

N memb.

V memb.

V orto

M memb.

M orto

T

-185.59	-8.69	-0.27	-83.40	-0.28	-0.09
72.08	53.36	0.30	30.12	0.26	0.04

Macro	Tipo	Angolo 1-Z (gradi)
3	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
3	4	210.00	-6.90	2.54	2.97e-03	1.22	0.0	7.63e-05
3	4	253.33	-6.90	2.54	2.97e-03	2.32	1.29e-03	-6.39e-05
3	4	296.67	-9.99	3.05	-9.50e-04	3.91	8.76e-04	-2.50e-04
3	4	340.00	-1.81	2.87	1.85e-03	0.59	-5.90e-05	-1.90e-04
3	44	210.00	-5.44	1.84	2.38e-03	0.93	0.0	-8.56e-04
3	44	253.33	-5.44	1.84	2.38e-03	1.73	1.03e-03	-1.45e-03
3	44	296.67	-7.80	2.24	-4.20e-04	2.91	8.47e-04	-1.47e-03
3	44	340.00	-1.42	2.13	-3.63e-03	0.46	9.35e-05	-1.00e-03
3	45	210.00	-2.33	0.56	1.22e-03	0.29	0.0	-7.02e-04
3	45	253.33	-2.33	0.56	1.22e-03	0.53	5.31e-04	-1.10e-03
3	45	296.67	-3.25	0.69	4.15e-05	0.89	5.49e-04	-1.03e-03
3	45	340.00	-0.60	0.65	-3.92e-03	0.18	1.06e-04	-6.84e-04
3	68	210.00	-4.90	1.77	2.14e-03	0.85	0.0	4.12e-05
3	68	253.33	-4.90	1.77	2.14e-03	1.61	9.25e-04	-5.91e-05
3	68	296.67	-7.08	2.12	-6.51e-04	2.72	6.43e-04	-1.83e-04
3	68	340.00	-1.29	1.99	1.16e-03	0.42	-3.74e-05	-1.37e-04
3	85	210.00	-2.63	0.71	1.33e-03	0.35	0.0	-5.08e-04
3	85	253.33	-2.63	0.71	1.33e-03	0.65	5.77e-04	-8.10e-04
3	85	296.67	-3.71	0.86	-6.95e-05	1.10	5.47e-04	-7.72e-04
3	85	340.00	-0.68	0.81	-2.78e-03	0.21	7.41e-05	-5.16e-04
3	88	210.00	-3.93	1.30	1.74e-03	0.65	0.0	-5.80e-04
3	88	253.33	-3.93	1.30	1.74e-03	1.22	7.53e-04	-9.81e-04
3	88	296.67	-5.62	1.58	-2.98e-04	2.04	6.24e-04	-9.95e-04
3	88	340.00	-1.03	1.50	-2.50e-03	0.33	6.43e-05	-6.79e-04
3	98	210.00	-4.03	1.37	1.77e-03	0.65	0.0	-1.67e-04
3	98	253.33	-4.03	1.37	1.77e-03	1.25	7.67e-04	-3.47e-04
3	98	296.67	-5.79	1.65	-4.47e-04	2.10	5.73e-04	-4.13e-04
3	98	340.00	-1.05	1.54	-2.77e-04	0.34	3.14e-06	-2.88e-04
3	104	210.00	-2.89	0.84	1.41e-03	0.39	0.0	-1.87e-04
3	104	253.33	-2.89	0.84	1.41e-03	0.75	6.12e-04	-3.25e-04
3	104	296.67	-4.10	1.01	-2.11e-04	1.27	5.20e-04	-3.36e-04
3	104	340.00	-0.75	0.94	-9.78e-04	0.23	2.44e-05	-2.24e-04
3	105	210.00	-3.81	1.26	1.70e-03	0.61	0.0	-2.39e-04
3	105	253.33	-3.81	1.26	1.70e-03	1.15	7.37e-04	-4.48e-04
3	105	296.67	-5.46	1.52	-3.83e-04	1.94	5.71e-04	-4.96e-04
3	105	340.00	-1.00	1.43	-7.63e-04	0.32	1.68e-05	-3.42e-04
3	106	210.00	-2.95	0.87	1.43e-03	0.40	0.0	-1.07e-04
3	106	253.33	-2.95	0.87	1.43e-03	0.78	6.21e-04	-2.04e-04
3	106	296.67	-4.20	1.05	-2.47e-04	1.31	5.14e-04	-2.26e-04
3	106	340.00	-0.77	0.97	-5.28e-04	0.24	1.19e-05	-1.51e-04
3	107	210.00	-3.88	1.30	1.72e-03	0.62	0.0	-1.58e-04
3	107	253.33	-3.88	1.30	1.72e-03	1.18	7.46e-04	-3.27e-04
3	107	296.67	-5.56	1.56	-4.18e-04	1.98	5.65e-04	-3.87e-04
3	107	340.00	-1.01	1.46	-3.13e-04	0.33	4.39e-06	-2.69e-04
3	112	210.00	3.79	46.15	0.10	0.64	0.02	-0.02
3	112	253.33	3.79	46.15	0.10	1.20	0.02	-0.02
3	112	296.67	-0.44	51.85	6.32e-03	3.89	9.12e-03	-0.02
3	112	340.00	-1.16	34.83	-0.08	0.39	0.02	-0.01
3	113	210.00	6.99	37.55	4.19e-03	-0.11	-2.43e-03	-0.02
3	113	253.33	6.99	37.55	4.19e-03	0.45	-1.68e-03	-0.02
3	113	296.67	2.66	42.19	4.75e-03	3.83	-0.03	-0.02
3	113	340.00	-1.00	28.45	-0.04	0.39	6.79e-03	-0.02
3	114	210.00	-14.75	-34.95	-7.50e-04	1.34	2.43e-03	0.02
3	114	253.33	-14.75	-34.95	-7.50e-04	1.90	3.17e-03	0.02
3	114	296.67	-13.79	-39.07	-5.59e-03	0.14	0.03	0.02
3	114	340.00	-1.03	-25.53	0.04	0.27	-6.78e-03	0.01
3	117	210.00	-1.47	35.86	0.02	-3.09	4.72e-05	-0.02
3	117	253.33	-1.47	35.86	0.02	-2.53	7.93e-04	-0.02
3	117	296.67	1.35	43.64	-1.77e-03	3.36	-0.02	-0.03
3	117	340.00	-0.69	27.00	-0.04	0.32	4.06e-03	-0.02
3	144	210.00	4.74	51.85	0.11	0.63	0.02	-0.02
3	144	253.33	4.74	51.85	0.11	1.19	0.02	-0.02
3	144	296.67	0.18	58.23	7.10e-03	4.13	0.01	-0.02
3	144	340.00	-1.18	39.07	-0.09	0.40	0.02	-0.01
3	145	210.00	8.34	42.15	4.76e-03	-0.21	-2.70e-03	-0.02
3	145	253.33	8.34	42.15	4.76e-03	0.35	-1.95e-03	-0.02

3	145	296.67	3.67	47.34	5.32e-03	4.07	-0.03	-0.03
3	145	340.00	-1.00	31.87	-0.04	0.39	7.66e-03	-0.02
3	146	210.00	-16.10	-39.55	-1.32e-03	1.44	2.70e-03	0.02
3	146	253.33	-16.10	-39.55	-1.32e-03	2.00	3.45e-03	0.02
3	146	296.67	-14.79	-44.22	-6.16e-03	-0.10	0.04	0.03
3	146	340.00	-1.03	-28.95	0.04	0.26	-7.65e-03	0.02
3	149	210.00	-1.13	40.40	0.02	-3.56	8.75e-05	-0.03
3	149	253.33	-1.13	40.40	0.02	-2.99	8.34e-04	-0.03
3	149	296.67	2.17	49.15	-1.92e-03	3.53	-0.03	-0.03
3	149	340.00	-0.65	30.35	-0.04	0.32	4.61e-03	-0.02
3	176	210.00	4.20	51.85	0.11	0.43	0.02	-0.02
3	176	253.33	4.20	51.85	0.11	0.99	0.02	-0.02
3	176	296.67	-0.28	58.22	6.43e-03	4.11	0.01	-0.02
3	176	340.00	-1.17	39.06	-0.09	0.39	0.02	-0.01
3	177	210.00	7.75	42.10	6.48e-03	-0.40	-2.51e-03	-0.02
3	177	253.33	7.75	42.10	6.48e-03	0.16	-1.76e-03	-0.02
3	177	296.67	3.15	47.28	4.58e-03	4.03	-0.03	-0.03
3	177	340.00	-0.99	31.83	-0.04	0.39	7.67e-03	-0.02
3	178	210.00	-15.50	-39.50	-3.04e-03	1.63	2.51e-03	0.02
3	178	253.33	-15.50	-39.50	-3.04e-03	2.19	3.26e-03	0.02
3	178	296.67	-14.27	-44.16	-5.42e-03	-0.07	0.03	0.03
3	178	340.00	-1.03	-28.91	0.04	0.26	-7.66e-03	0.02
3	181	210.00	-0.90	41.51	0.02	-3.48	3.65e-04	-0.03
3	181	253.33	-0.90	41.51	0.02	-2.91	1.11e-03	-0.03
3	181	296.67	1.66	50.37	-1.78e-03	3.38	-0.02	-0.03
3	181	340.00	-0.68	31.16	-0.04	0.32	4.92e-03	-0.02
3	208	210.00	5.37	60.73	0.12	0.29	0.02	-0.03
3	208	253.33	5.37	60.73	0.12	0.85	0.02	-0.03
3	208	296.67	0.49	68.16	7.42e-03	4.43	0.01	-0.02
3	208	340.00	-1.19	45.66	-0.11	0.40	0.02	-0.01
3	209	210.00	9.49	49.24	7.76e-03	-0.67	-2.91e-03	-0.03
3	209	253.33	9.49	49.24	7.76e-03	-0.11	-2.16e-03	-0.03
3	209	296.67	4.46	55.27	5.28e-03	4.34	-0.04	-0.03
3	209	340.00	-0.99	37.13	-0.05	0.40	9.01e-03	-0.02
3	210	210.00	-17.24	-46.64	-4.32e-03	1.90	2.91e-03	0.03
3	210	253.33	-17.24	-46.64	-4.32e-03	2.47	3.66e-03	0.03
3	210	296.67	-15.59	-52.15	-6.12e-03	-0.37	0.04	0.03
3	210	340.00	-1.04	-34.21	0.05	0.25	-9.00e-03	0.02
3	213	210.00	-0.23	49.80	0.03	-4.23	6.96e-04	-0.03
3	213	253.33	-0.23	49.80	0.03	-3.66	1.44e-03	-0.03
3	213	296.67	2.79	60.29	-1.97e-03	3.56	-0.03	-0.04
3	213	340.00	-0.63	37.29	-0.05	0.32	6.07e-03	-0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-17.24	-52.15	-0.11	-4.23	-0.04	-0.04
	9.49	68.16	0.12	4.43	0.04	0.03

Macro	Tipo	Angolo 1-Z (gradi)
4	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
4	4	0.0	-938.93	-27.43	0.04	-828.70	0.0	3.55e-03
4	4	52.50	-938.93	-27.43	0.04	-814.30	0.02	4.58e-03
4	4	105.00	-928.65	-27.44	0.03	-824.06	0.04	2.74e-03
4	4	157.50	-919.98	-27.43	0.03	-826.17	0.05	1.56e-03
4	4	210.00	-911.93	-27.42	0.02	-825.32	0.06	-6.40e-05
4	4	253.33	-904.92	-27.40	2.78e-03	-824.22	0.06	-2.89e-03
4	4	253.33	-904.92	-27.40	2.78e-03	-824.22	0.06	-2.89e-03
4	4	296.67	-899.37	-27.39	-0.03	-818.34	0.05	-5.92e-03
4	4	296.67	-899.37	-27.39	-0.03	-818.34	0.05	-5.92e-03
4	4	340.00	-888.78	-27.42	-0.12	-836.45	0.0	-0.01
4	44	0.0	-799.26	60.08	0.07	-411.32	0.0	4.43e-03
4	44	52.50	-799.26	60.08	0.07	-442.86	0.03	5.37e-03
4	44	105.00	-791.64	60.06	0.02	-485.90	0.05	1.60e-03
4	44	157.50	-785.65	60.07	4.04e-03	-521.18	0.05	-4.89e-04
4	44	210.00	-780.30	60.08	1.02e-03	-553.40	0.05	-1.92e-03
4	44	253.33	-775.74	60.09	-5.87e-03	-578.53	0.05	-3.45e-03
4	44	253.33	-775.74	60.09	-5.87e-03	-578.53	0.05	-3.45e-03
4	44	296.67	-772.17	60.10	-0.02	-601.07	0.04	-5.27e-03
4	44	296.67	-772.17	60.10	-0.02	-601.07	0.04	-5.27e-03
4	44	340.00	-765.16	60.06	-0.08	-640.03	0.0	-7.70e-03
4	45	0.0	-334.61	57.63	0.03	-72.74	0.0	2.14e-03
4	45	52.50	-334.61	57.63	0.03	-102.99	0.02	2.51e-03

4	45	105.00	-330.35	57.62	4.87e-03	-134.45	0.02	3.11e-04
4	45	157.50	-326.86	57.62	-6.23e-03	-162.25	0.02	-7.26e-04
4	45	210.00	-323.67	57.63	-6.17e-03	-188.59	0.01	-1.07e-03
4	45	253.33	-320.91	57.63	-2.70e-03	-209.29	0.01	-1.19e-03
4	45	253.33	-320.91	57.63	-2.70e-03	-209.29	0.01	-1.19e-03
4	45	296.67	-318.60	57.64	-6.20e-03	-229.53	9.82e-03	-1.65e-03
4	45	296.67	-318.60	57.64	-6.20e-03	-229.53	9.82e-03	-1.65e-03
4	45	340.00	-315.28	57.62	-0.02	-254.58	0.0	-2.25e-03
4	68	0.0	-660.83	-18.07	0.03	-581.87	0.0	2.42e-03
4	68	52.50	-660.83	-18.07	0.03	-572.38	0.02	3.13e-03
4	68	105.00	-653.29	-18.08	0.02	-579.75	0.03	1.86e-03
4	68	157.50	-646.88	-18.08	0.02	-581.73	0.03	1.07e-03
4	68	210.00	-640.91	-18.07	0.02	-581.62	0.04	-1.44e-05
4	68	253.33	-635.69	-18.05	2.46e-03	-581.24	0.04	-1.96e-03
4	68	253.33	-635.69	-18.05	2.46e-03	-581.24	0.04	-1.96e-03
4	68	296.67	-631.52	-18.05	-0.02	-577.53	0.04	-4.07e-03
4	68	296.67	-631.52	-18.05	-0.02	-577.53	0.04	-4.07e-03
4	68	340.00	-623.85	-18.07	-0.09	-590.53	0.0	-7.02e-03
4	85	0.0	-361.24	39.24	0.03	-161.11	0.0	1.85e-03
4	85	52.50	-361.24	39.24	0.03	-181.71	0.02	2.20e-03
4	85	105.00	-356.43	39.23	6.07e-03	-206.11	0.02	4.39e-04
4	85	157.50	-352.39	39.23	-1.77e-03	-226.91	0.02	-3.86e-04
4	85	210.00	-348.64	39.24	-1.02e-03	-246.28	0.02	-7.50e-04
4	85	253.33	-345.36	39.25	-8.35e-04	-261.46	0.02	-1.14e-03
4	85	253.33	-345.36	39.25	-8.35e-04	-261.46	0.02	-1.14e-03
4	85	296.67	-342.63	39.25	-7.27e-03	-275.73	0.01	-1.84e-03
4	85	296.67	-342.63	39.25	-7.27e-03	-275.73	0.01	-1.84e-03
4	85	340.00	-338.57	39.23	-0.03	-296.33	0.0	-2.79e-03
4	88	0.0	-567.72	40.27	0.04	-303.61	0.0	3.02e-03
4	88	52.50	-567.72	40.27	0.04	-324.75	0.02	3.65e-03
4	88	105.00	-561.95	40.25	0.01	-354.31	0.03	1.10e-03
4	88	157.50	-557.32	40.26	3.16e-03	-378.40	0.03	-2.97e-04
4	88	210.00	-553.15	40.26	1.61e-03	-400.35	0.03	-1.25e-03
4	88	253.33	-549.57	40.27	-3.30e-03	-417.45	0.03	-2.33e-03
4	88	253.33	-549.57	40.27	-3.30e-03	-417.45	0.03	-2.33e-03
4	88	296.67	-546.73	40.28	-0.01	-432.68	0.03	-3.64e-03
4	88	296.67	-546.73	40.28	-0.01	-432.68	0.03	-3.64e-03
4	88	340.00	-541.44	40.25	-0.06	-459.58	0.0	-5.40e-03
4	98	0.0	-552.43	3.12	0.03	-423.15	0.0	2.13e-03
4	98	52.50	-552.43	3.12	0.03	-424.79	0.02	2.66e-03
4	98	105.00	-545.91	3.11	0.01	-438.43	0.02	1.17e-03
4	98	157.50	-540.38	3.11	0.01	-447.33	0.03	3.25e-04
4	98	210.00	-535.24	3.12	0.01	-454.38	0.03	-5.33e-04
4	98	253.33	-530.75	3.13	9.59e-04	-459.70	0.03	-1.90e-03
4	98	253.33	-530.75	3.13	9.59e-04	-459.70	0.03	-1.90e-03
4	98	296.67	-527.12	3.14	-0.01	-462.60	0.03	-3.49e-03
4	98	296.67	-527.12	3.14	-0.01	-462.60	0.03	-3.49e-03
4	98	340.00	-520.78	3.12	-0.07	-478.43	0.0	-5.65e-03
4	104	0.0	-368.90	9.62	0.02	-275.68	0.0	1.19e-03
4	104	52.50	-368.90	9.62	0.02	-280.73	9.56e-03	1.47e-03
4	104	105.00	-363.38	9.61	6.69e-03	-292.98	0.01	5.39e-04
4	104	157.50	-358.54	9.61	4.53e-03	-302.00	0.02	1.42e-04
4	104	210.00	-353.96	9.62	6.70e-03	-309.77	0.02	-1.69e-04
4	104	253.33	-349.92	9.62	2.53e-03	-315.78	0.02	-8.78e-04
4	104	253.33	-349.92	9.62	2.53e-03	-315.78	0.02	-8.78e-04
4	104	296.67	-346.54	9.63	-7.75e-03	-320.32	0.02	-1.87e-03
4	104	296.67	-346.54	9.63	-7.75e-03	-320.32	0.02	-1.87e-03
4	104	340.00	-341.51	9.62	-0.04	-332.70	0.0	-3.21e-03
4	105	0.0	-524.57	10.39	0.03	-377.53	0.0	2.13e-03
4	105	52.50	-524.57	10.39	0.03	-382.99	0.02	2.64e-03
4	105	105.00	-518.34	10.38	0.01	-399.04	0.02	1.06e-03
4	105	157.50	-513.08	10.39	8.09e-03	-410.48	0.03	1.86e-04
4	105	210.00	-508.20	10.39	8.00e-03	-420.12	0.03	-6.06e-04
4	105	253.33	-503.94	10.40	4.62e-04	-427.50	0.03	-1.81e-03
4	105	253.33	-503.94	10.40	4.62e-04	-427.50	0.03	-1.81e-03
4	105	296.67	-500.49	10.41	-0.01	-432.72	0.03	-3.25e-03
4	105	296.67	-500.49	10.41	-0.01	-432.72	0.03	-3.25e-03
4	105	340.00	-494.54	10.39	-0.06	-449.82	0.0	-5.21e-03
4	106	0.0	-370.81	2.21	0.02	-304.33	0.0	1.02e-03
4	106	52.50	-370.81	2.21	0.02	-305.49	8.19e-03	1.28e-03
4	106	105.00	-365.12	2.20	6.84e-03	-314.69	0.01	5.64e-04
4	106	157.50	-360.08	2.21	6.10e-03	-320.78	0.01	2.73e-04
4	106	210.00	-355.30	2.21	8.63e-03	-325.65	0.02	-2.32e-05
4	106	253.33	-351.06	2.22	3.37e-03	-329.36	0.02	-8.11e-04
4	106	253.33	-351.06	2.22	3.37e-03	-329.36	0.02	-8.11e-04

4	106	296.67	-347.52	2.22	-7.87e-03	-331.46	0.02	-1.87e-03
4	106	296.67	-347.52	2.22	-7.87e-03	-331.46	0.02	-1.87e-03
4	106	340.00	-342.25	2.21	-0.04	-341.80	0.0	-3.32e-03
4	107	0.0	-526.49	2.99	0.03	-406.18	0.0	1.97e-03
4	107	52.50	-526.49	2.99	0.03	-407.75	0.01	2.46e-03
4	107	105.00	-520.08	2.98	0.01	-420.76	0.02	1.09e-03
4	107	157.50	-514.62	2.98	9.66e-03	-429.25	0.03	3.17e-04
4	107	210.00	-509.53	2.99	9.93e-03	-435.99	0.03	-4.60e-04
4	107	253.33	-505.08	3.00	1.30e-03	-441.08	0.03	-1.75e-03
4	107	253.33	-505.08	3.00	1.30e-03	-441.08	0.03	-1.75e-03
4	107	296.67	-501.47	3.01	-0.01	-443.86	0.03	-3.26e-03
4	107	296.67	-501.47	3.01	-0.01	-443.86	0.03	-3.26e-03
4	107	340.00	-495.27	2.99	-0.06	-458.91	0.0	-5.32e-03
4	112	0.0	-366.25	-379.80	1.76	-1604.03	0.47	-0.30
4	112	52.50	-366.25	-379.80	1.76	-1605.59	0.48	-0.30
4	112	105.00	-350.23	-379.73	1.34	-1372.04	1.29	-0.29
4	112	157.50	-335.46	-379.63	1.15	-1185.93	1.83	-0.24
4	112	210.00	-263.75	-379.41	0.49	-690.56	2.20	-0.25
4	112	253.33	-345.81	-379.05	-1.57	-979.50	2.05	-0.33
4	112	253.33	-345.81	-379.05	-1.57	-979.50	2.05	-0.33
4	112	296.67	-344.62	-378.64	-1.87	-977.29	1.38	-0.34
4	112	296.67	-344.62	-378.64	-1.87	-977.29	1.38	-0.34
4	112	340.00	-328.44	-377.85	-2.17	-971.73	0.49	-0.32
4	113	0.0	-294.41	-176.75	1.71	-816.70	0.45	-0.24
4	113	52.50	-294.41	-176.75	1.71	-818.27	0.47	-0.24
4	113	105.00	-286.74	-176.79	1.32	-652.39	1.21	-0.23
4	113	157.50	-284.42	-176.87	1.01	-513.77	1.76	-0.19
4	113	210.00	-209.70	-176.91	0.32	-138.28	2.18	-0.20
4	113	253.33	-294.06	-176.87	-1.40	-507.65	2.01	-0.27
4	113	253.33	-294.06	-176.87	-1.40	-507.65	2.01	-0.27
4	113	296.67	-294.73	-176.77	-1.82	-576.80	1.32	-0.28
4	113	296.67	-294.73	-176.77	-1.82	-576.80	1.32	-0.28
4	113	340.00	-285.16	-176.49	-2.05	-615.71	0.47	-0.26
4	114	0.0	-758.57	182.73	-1.66	4.34	-0.45	0.25
4	114	52.50	-758.57	182.73	-1.66	2.77	-0.44	0.24
4	114	105.00	-753.42	182.75	-1.29	-189.13	-1.16	0.23
4	114	157.50	-744.83	182.84	-0.99	-344.74	-1.71	0.20
4	114	210.00	-809.37	182.89	-0.30	-733.69	-2.12	0.20
4	114	253.33	-716.11	182.87	1.40	-374.51	-1.94	0.27
4	114	253.33	-716.11	182.87	1.40	-374.51	-1.94	0.27
4	114	296.67	-708.20	182.78	1.80	-310.93	-1.26	0.27
4	114	296.67	-708.20	182.78	1.80	-310.93	-1.26	0.27
4	114	340.00	-705.39	182.47	1.93	-302.12	-0.47	0.25
4	139	0.0	-427.11	428.05	-0.56	1254.89	-0.14	0.19
4	139	52.50	-427.11	428.05	-0.56	1253.33	-0.13	0.18
4	139	105.00	-433.42	427.85	-0.41	1075.43	-0.48	0.18
4	139	157.50	-448.65	427.53	-0.55	942.65	-0.60	0.16
4	139	210.00	-439.36	427.06	-0.39	696.70	-0.64	0.16
4	139	253.33	-455.33	426.47	0.70	476.83	-0.63	0.19
4	139	253.33	-455.33	426.47	0.70	476.83	-0.63	0.19
4	139	296.67	-455.38	425.87	0.61	374.58	-0.49	0.20
4	139	296.67	-455.38	425.87	0.61	374.58	-0.49	0.20
4	139	340.00	-443.50	424.85	0.78	199.65	-0.19	0.18
4	144	0.0	-345.88	-428.29	1.96	-1756.03	0.52	-0.34
4	144	52.50	-345.88	-428.29	1.96	-1757.60	0.54	-0.33
4	144	105.00	-328.67	-428.21	1.50	-1492.65	1.44	-0.32
4	144	157.50	-312.76	-428.10	1.30	-1281.65	2.04	-0.28
4	144	210.00	-232.69	-427.85	0.56	-723.00	2.46	-0.28
4	144	253.33	-325.65	-427.45	-1.76	-1047.51	2.30	-0.37
4	144	253.33	-325.65	-427.45	-1.76	-1047.51	2.30	-0.37
4	144	296.67	-324.75	-426.98	-2.10	-1044.71	1.55	-0.39
4	144	296.67	-324.75	-426.98	-2.10	-1044.71	1.55	-0.39
4	144	340.00	-307.29	-426.09	-2.43	-1036.46	0.55	-0.36
4	145	0.0	-265.21	-199.54	1.91	-869.03	0.51	-0.28
4	145	52.50	-265.21	-199.54	1.91	-870.60	0.52	-0.27
4	145	105.00	-257.36	-199.58	1.48	-682.14	1.34	-0.26
4	145	157.50	-255.40	-199.67	1.13	-524.94	1.97	-0.22
4	145	210.00	-171.97	-199.71	0.36	-101.20	2.44	-0.23
4	145	253.33	-267.55	-199.67	-1.56	-516.26	2.25	-0.30
4	145	253.33	-267.55	-199.67	-1.56	-516.26	2.25	-0.30
4	145	296.67	-268.76	-199.56	-2.04	-593.81	1.47	-0.31
4	145	296.67	-268.76	-199.56	-2.04	-593.81	1.47	-0.31
4	145	340.00	-258.74	-199.24	-2.30	-635.71	0.53	-0.29
4	146	0.0	-787.77	205.51	-1.85	56.68	-0.51	0.28
4	146	52.50	-787.77	205.51	-1.85	55.11	-0.49	0.27

4	146	105.00	-782.81	205.53	-1.45	-159.37	-1.30	0.26
4	146	157.50	-773.85	205.63	-1.12	-333.57	-1.92	0.22
4	146	210.00	-847.09	205.69	-0.34	-770.77	-2.38	0.23
4	146	253.33	-742.61	205.67	1.57	-365.90	-2.18	0.30
4	146	253.33	-742.61	205.67	1.57	-365.90	-2.18	0.30
4	146	296.67	-734.17	205.57	2.01	-293.92	-1.42	0.31
4	146	296.67	-734.17	205.57	2.01	-293.92	-1.42	0.31
4	146	340.00	-731.81	205.22	2.17	-282.12	-0.53	0.28
4	171	0.0	-415.23	482.23	-0.62	1466.01	-0.16	0.21
4	171	52.50	-415.23	482.23	-0.62	1464.44	-0.14	0.21
4	171	105.00	-423.04	482.00	-0.46	1265.05	-0.54	0.20
4	171	157.50	-440.78	481.64	-0.62	1115.79	-0.67	0.18
4	171	210.00	-430.99	481.11	-0.45	839.44	-0.72	0.18
4	171	253.33	-449.47	480.44	0.78	592.65	-0.71	0.22
4	171	253.33	-449.47	480.44	0.78	592.65	-0.71	0.22
4	171	296.67	-450.01	479.76	0.68	478.03	-0.55	0.22
4	171	296.67	-450.01	479.76	0.68	478.03	-0.55	0.22
4	171	340.00	-437.55	478.62	0.89	283.12	-0.21	0.20
4	177	0.0	-268.30	-198.06	1.73	-872.97	0.46	-0.27
4	177	52.50	-268.30	-198.06	1.73	-874.54	0.47	-0.27
4	177	105.00	-260.13	-198.08	1.40	-687.21	1.23	-0.26
4	177	157.50	-258.02	-198.15	1.12	-529.55	1.84	-0.22
4	177	210.00	-178.26	-198.17	0.40	-116.33	2.32	-0.23
4	177	253.33	-271.88	-198.11	-1.49	-516.21	2.16	-0.30
4	177	253.33	-271.88	-198.11	-1.49	-516.21	2.16	-0.30
4	177	296.67	-273.08	-198.00	-1.95	-591.90	1.42	-0.31
4	177	296.67	-273.08	-198.00	-1.95	-591.90	1.42	-0.31
4	177	340.00	-262.29	-197.68	-2.23	-631.60	0.51	-0.29
4	178	0.0	-784.68	204.03	-1.67	60.62	-0.46	0.28
4	178	52.50	-784.68	204.03	-1.67	59.05	-0.45	0.27
4	178	105.00	-780.04	204.04	-1.38	-154.30	-1.19	0.26
4	178	157.50	-771.23	204.11	-1.10	-328.95	-1.79	0.22
4	178	210.00	-840.81	204.15	-0.38	-755.65	-2.25	0.23
4	178	253.33	-738.28	204.11	1.49	-365.95	-2.09	0.30
4	178	253.33	-738.28	204.11	1.49	-365.95	-2.09	0.30
4	178	296.67	-729.85	204.01	1.92	-295.83	-1.36	0.31
4	178	296.67	-729.85	204.01	1.92	-295.83	-1.36	0.31
4	178	340.00	-728.26	203.65	2.10	-286.23	-0.51	0.28
4	184	0.0	-481.37	-446.13	1.70	-2175.54	0.40	-0.37
4	184	52.50	-481.37	-446.13	1.70	-2177.11	0.41	-0.36
4	184	105.00	-475.13	-445.96	1.40	-1950.60	1.27	-0.35
4	184	157.50	-463.41	-445.74	1.31	-1754.68	1.85	-0.31
4	184	210.00	-457.70	-445.38	0.59	-1535.73	2.31	-0.33
4	184	253.33	-393.80	-444.92	-1.55	-1200.10	2.23	-0.39
4	184	253.33	-393.80	-444.92	-1.55	-1200.10	2.23	-0.39
4	184	296.67	-387.23	-444.42	-1.99	-1240.91	1.55	-0.40
4	184	296.67	-387.23	-444.42	-1.99	-1240.91	1.55	-0.40
4	184	340.00	-433.98	-443.58	-2.52	-922.48	0.56	-0.37
4	203	0.0	-420.62	483.97	-0.54	1466.83	-0.14	0.22
4	203	52.50	-420.62	483.97	-0.54	1465.26	-0.12	0.21
4	203	105.00	-427.77	483.73	-0.43	1262.07	-0.48	0.20
4	203	157.50	-444.65	483.36	-0.63	1107.77	-0.61	0.18
4	203	210.00	-435.04	482.82	-0.47	830.74	-0.69	0.19
4	203	253.33	-452.60	482.15	0.76	587.05	-0.70	0.22
4	203	253.33	-452.60	482.15	0.76	587.05	-0.70	0.22
4	203	296.67	-453.24	481.47	0.68	474.53	-0.55	0.23
4	203	296.67	-453.24	481.47	0.68	474.53	-0.55	0.23
4	203	340.00	-442.38	480.33	0.88	282.96	-0.21	0.21
4	209	0.0	-224.91	-232.96	1.98	-958.47	0.53	-0.32
4	209	52.50	-224.91	-232.96	1.98	-960.03	0.54	-0.31
4	209	105.00	-216.17	-232.97	1.63	-738.19	1.42	-0.30
4	209	157.50	-214.47	-233.04	1.31	-551.23	2.13	-0.26
4	209	210.00	-123.66	-233.05	0.48	-69.91	2.69	-0.27
4	209	253.33	-233.47	-232.97	-1.73	-530.35	2.51	-0.35
4	209	253.33	-233.47	-232.97	-1.73	-530.35	2.51	-0.35
4	209	296.67	-235.55	-232.83	-2.27	-617.36	1.65	-0.37
4	209	296.67	-235.55	-232.83	-2.27	-617.36	1.65	-0.37
4	209	340.00	-223.42	-232.45	-2.59	-659.92	0.60	-0.34
4	210	0.0	-828.07	238.93	-1.92	146.11	-0.53	0.33
4	210	52.50	-828.07	238.93	-1.92	144.54	-0.51	0.32
4	210	105.00	-823.99	238.92	-1.60	-103.33	-1.37	0.30
4	210	157.50	-814.77	239.00	-1.29	-307.28	-2.08	0.26
4	210	210.00	-895.41	239.03	-0.46	-802.07	-2.63	0.27
4	210	253.33	-776.70	238.97	1.73	-351.81	-2.44	0.35
4	210	253.33	-776.70	238.97	1.73	-351.81	-2.44	0.35

4	210	296.67	-767.38	238.84	2.24	-270.36	-1.60	0.36
4	210	296.67	-767.38	238.84	2.24	-270.36	-1.60	0.36
4	210	340.00	-767.13	238.42	2.47	-257.91	-0.60	0.33
4	216	0.0	-467.76	-534.46	1.96	-2514.51	0.46	-0.45
4	216	52.50	-467.76	-534.46	1.96	-2516.08	0.48	-0.44
4	216	105.00	-461.75	-534.24	1.65	-2241.79	1.48	-0.42
4	216	157.50	-449.26	-533.97	1.58	-2003.27	2.17	-0.38
4	216	210.00	-443.73	-533.54	0.73	-1737.79	2.74	-0.39
4	216	253.33	-370.23	-532.98	-1.83	-1340.43	2.64	-0.47
4	216	253.33	-370.23	-532.98	-1.83	-1340.43	2.64	-0.47
4	216	296.67	-363.23	-532.39	-2.36	-1392.24	1.84	-0.48
4	216	296.67	-363.23	-532.39	-2.36	-1392.24	1.84	-0.48
4	216	340.00	-417.57	-531.38	-3.00	-1015.61	0.67	-0.44
4	235	0.0	-406.51	569.96	-0.63	1799.24	-0.16	0.26
4	235	52.50	-406.51	569.96	-0.63	1797.67	-0.14	0.26
4	235	105.00	-415.49	569.67	-0.52	1557.82	-0.57	0.24
4	235	157.50	-435.56	569.24	-0.76	1373.72	-0.72	0.22
4	235	210.00	-425.30	568.60	-0.57	1048.98	-0.83	0.22
4	235	253.33	-446.62	567.81	0.90	764.14	-0.84	0.27
4	235	253.33	-446.62	567.81	0.90	764.14	-0.84	0.27
4	235	296.67	-448.05	567.01	0.81	634.67	-0.66	0.27
4	235	296.67	-448.05	567.01	0.81	634.67	-0.66	0.27
4	235	340.00	-436.70	565.67	1.06	412.51	-0.25	0.25

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-938.93	-534.46	-3.00	-2516.08	-2.63	-0.48
	-123.66	569.96	2.47	1799.24	2.74	0.36

Macro	Tipo	Angolo 1-Z (gradi)
5	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
5	8	340.00	0.59	-7.98	0.45	-0.24	0.02	0.27
5	8	392.50	0.59	-7.98	0.39	-4.95	0.33	0.36
5	8	445.00	0.65	-6.71	-0.56	-5.15	0.0	0.24
5	19	340.00	0.69	-6.09	0.73	-0.18	0.03	0.46
5	19	392.50	0.69	-6.09	0.64	-3.73	0.55	0.60
5	19	445.00	0.67	-5.16	-0.93	-3.90	0.0	0.40
5	41	340.00	0.96	-7.98	-0.34	-0.22	-0.02	-0.23
5	41	392.50	0.96	-7.98	-0.30	-4.79	-0.27	-0.30
5	41	445.00	0.94	-6.90	0.45	-4.93	0.0	-0.20
5	52	340.00	0.81	-10.10	0.02	-0.30	9.67e-04	-4.22e-03
5	52	392.50	0.81	-10.10	0.02	-6.21	5.70e-03	-5.40e-03
5	52	445.00	0.88	-8.55	-0.01	-6.42	0.0	-3.06e-03
5	68	340.00	0.63	-7.48	0.30	-0.22	0.01	0.18
5	68	392.50	0.63	-7.48	0.27	-4.61	0.22	0.24
5	68	445.00	0.67	-6.31	-0.38	-4.78	0.0	0.16
5	72	340.00	0.70	-6.22	0.49	-0.18	0.02	0.30
5	72	392.50	0.70	-6.22	0.43	-3.79	0.37	0.40
5	72	445.00	0.68	-5.28	-0.62	-3.95	0.0	0.27
5	85	340.00	0.74	-6.08	-0.23	-0.17	-9.97e-03	-0.16
5	85	392.50	0.74	-6.08	-0.20	-3.65	-0.18	-0.20
5	85	445.00	0.72	-5.26	0.30	-3.75	0.0	-0.14
5	92	340.00	0.64	-7.49	0.01	-0.22	7.07e-04	-3.15e-03
5	92	392.50	0.64	-7.49	0.01	-4.60	4.21e-03	-4.03e-03
5	92	445.00	0.68	-6.35	-7.75e-03	-4.75	0.0	-2.29e-03
5	98	340.00	0.67	-7.01	0.01	-0.20	6.44e-04	-2.92e-03
5	98	392.50	0.67	-7.01	0.01	-4.28	3.90e-03	-3.74e-03
5	98	445.00	0.69	-5.96	-7.14e-03	-4.41	0.0	-2.12e-03
5	102	340.00	0.72	-6.24	0.11	-0.18	4.75e-03	0.06
5	102	392.50	0.72	-6.24	0.09	-3.77	0.08	0.08
5	102	445.00	0.70	-5.34	-0.13	-3.90	0.0	0.05
5	104	340.00	0.73	-6.21	-0.04	-0.17	-1.56e-03	-0.03
5	104	392.50	0.73	-6.21	-0.03	-3.74	-0.03	-0.04
5	104	445.00	0.71	-5.33	0.06	-3.86	0.0	-0.03
5	106	340.00	0.72	-6.24	0.01	-0.17	5.44e-04	-2.73e-03
5	106	392.50	0.72	-6.24	9.78e-03	-3.77	3.45e-03	-3.49e-03
5	106	445.00	0.71	-5.35	-6.25e-03	-3.89	0.0	-2.01e-03
5	107	340.00	0.68	-6.90	0.01	-0.20	6.29e-04	-2.89e-03
5	107	392.50	0.68	-6.90	0.01	-4.20	3.83e-03	-3.70e-03
5	107	445.00	0.69	-5.87	-7.02e-03	-4.33	0.0	-2.11e-03
5	108	340.00	1.98	36.73	-6.18e-03	-0.62	-8.44e-03	0.07
5	108	392.50	5.36	37.73	-0.18	40.02	-5.96e-03	0.07

5	108	445.00	3.79	34.64	0.12	33.00	-0.03	0.06
5	111	340.00	-0.63	-50.53	0.03	0.22	9.70e-03	-0.08
5	111	392.50	-4.00	-51.53	0.20	-48.43	0.01	-0.08
5	111	445.00	-2.41	-46.38	-0.14	-41.67	0.03	-0.06
5	114	340.00	-0.63	-51.08	0.10	0.21	0.02	-0.05
5	114	392.50	-3.88	-52.10	0.32	-48.77	0.06	-0.05
5	114	445.00	-2.38	-46.64	-0.23	-41.90	0.06	-0.05
5	140	340.00	2.15	42.17	-8.48e-03	-0.67	-9.58e-03	0.08
5	140	392.50	5.94	43.30	-0.20	45.54	-7.20e-03	0.08
5	140	445.00	4.18	39.69	0.14	37.66	-0.04	0.07
5	143	340.00	-0.79	-55.97	0.03	0.28	0.01	-0.09
5	143	392.50	-4.59	-57.10	0.23	-53.95	0.01	-0.09
5	143	445.00	-2.80	-51.44	-0.15	-46.33	0.04	-0.07
5	146	340.00	-0.79	-56.59	0.11	0.27	0.02	-0.06
5	146	392.50	-4.45	-57.74	0.35	-54.33	0.07	-0.06
5	146	445.00	-2.76	-51.72	-0.26	-46.59	0.07	-0.05
5	172	340.00	2.08	39.73	-5.11e-03	-0.65	-8.96e-03	0.08
5	172	392.50	5.71	40.80	-0.19	43.08	-5.03e-03	0.07
5	172	445.00	4.02	37.44	0.13	35.58	-0.04	0.06
5	175	340.00	-0.73	-53.53	0.03	0.25	0.01	-0.08
5	175	392.50	-4.36	-54.60	0.21	-51.48	0.01	-0.08
5	175	445.00	-2.64	-49.19	-0.14	-44.25	0.04	-0.07
5	178	340.00	-0.72	-54.18	0.10	0.24	0.02	-0.05
5	178	392.50	-4.22	-55.27	0.33	-51.88	0.06	-0.05
5	178	445.00	-2.60	-49.49	-0.24	-44.53	0.06	-0.05
5	191	340.00	-0.30	-38.79	-0.05	0.14	-3.17e-03	-0.08
5	191	392.50	-2.97	-39.52	-0.06	-36.91	-0.04	-0.08
5	191	445.00	-1.67	-35.87	0.05	-32.02	-0.02	-0.07
5	204	340.00	2.29	46.51	-5.95e-03	-0.72	-0.01	0.09
5	204	392.50	6.47	47.73	-0.21	49.95	-5.14e-03	0.09
5	204	445.00	4.51	43.75	0.15	41.39	-0.04	0.07
5	207	340.00	-0.94	-60.31	0.03	0.32	0.01	-0.09
5	207	392.50	-5.11	-61.53	0.24	-58.36	0.01	-0.09
5	207	445.00	-3.13	-55.50	-0.16	-50.06	0.04	-0.08
5	210	340.00	-0.93	-61.07	0.11	0.31	0.02	-0.06
5	210	392.50	-4.95	-62.32	0.38	-58.83	0.07	-0.06
5	210	445.00	-3.09	-55.85	-0.28	-50.39	0.07	-0.05
5	223	340.00	-0.45	-43.52	-0.06	0.19	-3.73e-03	-0.10
5	223	392.50	-3.53	-44.36	-0.07	-41.78	-0.05	-0.10
5	223	445.00	-2.02	-40.34	0.06	-36.14	-0.02	-0.08

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-5.11	-62.32	-0.93	-58.83	-0.27	-0.30
	6.47	47.73	0.73	49.95	0.55	0.60

Macro	Tipo	Angolo 1-Z (gradi)
6	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
6	15	910.00	-0.99	3.63	1.81	-0.77	-1.55e-06	0.26
6	15	960.00	-0.99	3.63	1.81	1.05	0.90	0.43
6	15	1010.00	-0.92	5.26	2.22e-03	1.39	0.91	0.47
6	15	1060.00	-1.07	5.51	-1.56	0.05	0.04	0.40
6	22	910.00	-0.78	1.95	1.80	0.15	-1.70e-06	0.26
6	22	960.00	-0.78	1.95	1.81	1.12	0.90	0.43
6	22	1010.00	-0.70	3.00	2.40e-03	1.22	0.90	0.47
6	22	1060.00	-0.84	3.13	-1.56	0.09	0.04	0.40
6	27	910.00	-0.98	2.35	-0.54	0.23	-2.65e-06	-0.08
6	27	960.00	-0.98	2.35	-0.54	1.41	-0.27	-0.13
6	27	1010.00	-0.92	3.65	-1.78e-03	1.50	-0.27	-0.14
6	27	1060.00	-1.17	3.79	0.47	0.11	-0.01	-0.12
6	36	910.00	-0.71	2.65	-0.54	-0.63	-1.43e-06	-0.08
6	36	960.00	-0.71	2.65	-0.54	0.69	-0.27	-0.13
6	36	1010.00	-0.63	3.76	-1.46e-03	0.95	-0.27	-0.14
6	36	1060.00	-0.75	3.89	0.47	0.04	-0.01	-0.12
6	72	910.00	-0.76	2.85	1.21	-0.65	-1.18e-06	0.17
6	72	960.00	-0.76	2.85	1.21	0.77	0.60	0.29
6	72	1010.00	-0.70	4.11	1.39e-03	1.05	0.60	0.31
6	72	1060.00	-0.83	4.30	-1.04	0.03	0.03	0.27
6	75	910.00	-0.77	2.18	1.20	-0.08	-1.60e-06	0.17
6	75	960.00	-0.77	2.18	1.20	1.01	0.60	0.29
6	75	1010.00	-0.70	3.28	1.38e-03	1.16	0.60	0.31
6	75	1060.00	-0.84	3.42	-1.04	0.07	0.03	0.27

6	79	910.00	-0.75	1.99	-0.36	0.02	-1.91e-06	-0.05
6	79	960.00	-0.75	1.99	-0.36	1.02	-0.18	-0.09
6	79	1010.00	-0.71	3.03	-1.27e-03	1.12	-0.18	-0.10
6	79	1060.00	-0.89	3.15	0.31	0.07	-8.19e-03	-0.08
6	81	910.00	-0.72	2.65	-0.36	-0.60	-1.42e-06	-0.05
6	81	960.00	-0.72	2.65	-0.36	0.72	-0.18	-0.09
6	81	1010.00	-0.65	3.78	-1.19e-03	0.98	-0.18	-0.10
6	81	1060.00	-0.78	3.93	0.31	0.04	-8.17e-03	-0.08
6	98	910.00	-0.75	2.22	2.78e-03	-0.16	-1.71e-06	-1.60e-03
6	98	960.00	-0.75	2.22	2.82e-03	0.95	1.40e-03	-2.63e-03
6	98	1010.00	-0.71	3.32	-6.77e-04	1.10	1.05e-03	-2.77e-03
6	98	1060.00	-0.87	3.46	-2.47e-04	0.06	4.73e-05	-2.39e-03
6	99	910.00	-0.74	2.77	3.46e-03	-0.65	-1.33e-06	-1.57e-03
6	99	960.00	-0.74	2.77	3.49e-03	0.73	1.74e-03	-2.59e-03
6	99	1010.00	-0.68	3.98	-6.38e-04	1.00	1.41e-03	-2.75e-03
6	99	1060.00	-0.82	4.15	-1.31e-03	0.03	8.30e-05	-2.38e-03
6	102	910.00	-0.74	2.81	0.24	-0.67	-1.29e-06	0.03
6	102	960.00	-0.74	2.81	0.24	0.74	0.12	0.06
6	102	1010.00	-0.69	4.05	-2.37e-04	1.01	0.12	0.06
6	102	1060.00	-0.83	4.22	-0.21	0.03	5.57e-03	0.05
6	103	910.00	-0.75	2.32	0.24	-0.23	-1.62e-06	0.03
6	103	960.00	-0.75	2.32	0.24	0.93	0.12	0.06
6	103	1010.00	-0.71	3.44	-2.65e-04	1.10	0.12	0.06
6	103	1060.00	-0.86	3.59	-0.21	0.06	5.53e-03	0.05
6	106	910.00	-0.74	2.80	3.64e-03	-0.68	-1.32e-06	-1.57e-03
6	106	960.00	-0.74	2.80	3.67e-03	0.73	1.83e-03	-2.60e-03
6	106	1010.00	-0.69	4.03	-6.45e-04	1.00	1.50e-03	-2.77e-03
6	106	1060.00	-0.83	4.20	-1.49e-03	0.03	9.02e-05	-2.40e-03
6	107	910.00	-0.75	2.31	2.90e-03	-0.24	-1.65e-06	-1.59e-03
6	107	960.00	-0.75	2.31	2.94e-03	0.92	1.46e-03	-2.62e-03
6	107	1010.00	-0.70	3.43	-6.73e-04	1.09	1.12e-03	-2.77e-03
6	107	1060.00	-0.86	3.57	-4.24e-04	0.06	5.34e-05	-2.39e-03
6	108	910.00	-0.93	14.56	-0.12	-22.92	0.05	0.02
6	108	960.00	-0.93	14.56	-0.12	-21.77	0.05	0.03
6	108	1010.00	-0.25	13.85	-8.25e-03	-15.23	0.10	0.03
6	108	1060.00	0.91	12.36	-3.10e-03	0.33	0.03	0.03
6	111	910.00	-0.57	-9.94	0.12	22.45	-0.05	-0.02
6	111	960.00	-0.57	-9.94	0.12	23.61	-0.05	-0.04
6	111	1010.00	-1.16	-7.00	6.91e-03	17.41	-0.09	-0.04
6	111	1060.00	-2.64	-5.22	2.25e-03	-0.22	-0.03	-0.04
6	113	910.00	-0.98	14.80	-0.41	-22.95	-0.03	-7.17e-03
6	113	960.00	-0.98	14.80	-0.41	-21.79	-0.02	8.89e-03
6	113	1010.00	-0.35	14.18	4.87e-03	-15.26	-0.05	-2.67e-03
6	113	1060.00	0.57	12.60	0.19	0.18	-9.04e-03	-1.32e-03
6	135	910.00	-0.75	5.41	-0.52	-4.86	-0.15	-0.05
6	135	960.00	-0.75	5.41	-0.52	-3.71	-0.15	-0.06
6	135	1010.00	-0.77	6.39	0.03	-2.27	-0.30	-0.07
6	135	1060.00	-1.52	6.09	0.37	-0.37	-0.08	-0.07
6	140	910.00	-0.96	16.08	-0.13	-25.75	0.05	0.02
6	140	960.00	-0.96	16.08	-0.13	-24.60	0.06	0.04
6	140	1010.00	-0.20	15.14	-9.19e-03	-17.26	0.11	0.04
6	140	1060.00	1.14	13.45	-3.34e-03	0.36	0.03	0.04
6	143	910.00	-0.54	-11.47	0.14	25.27	-0.05	-0.02
6	143	960.00	-0.54	-11.47	0.14	26.43	-0.05	-0.04
6	143	1010.00	-1.21	-8.29	7.85e-03	19.44	-0.11	-0.04
6	143	1060.00	-2.86	-6.31	2.50e-03	-0.25	-0.03	-0.04
6	145	910.00	-1.01	16.35	-0.46	-25.77	-0.03	-7.86e-03
6	145	960.00	-1.01	16.35	-0.46	-24.62	-0.03	0.01
6	145	1010.00	-0.30	15.52	5.56e-03	-17.30	-0.05	-2.64e-03
6	145	1060.00	0.75	13.73	0.22	0.20	-0.01	-1.15e-03
6	167	910.00	-0.75	5.79	-0.59	-5.42	-0.17	-0.05
6	167	960.00	-0.75	5.79	-0.59	-4.27	-0.17	-0.06
6	167	1010.00	-0.77	6.75	0.03	-2.68	-0.34	-0.08
6	167	1060.00	-1.60	6.40	0.42	-0.42	-0.09	-0.08
6	172	910.00	-0.96	15.25	-0.12	-24.31	0.05	0.02
6	172	960.00	-0.96	15.25	-0.12	-23.16	0.05	0.04
6	172	1010.00	-0.23	14.43	-9.12e-03	-16.23	0.11	0.04
6	172	1060.00	1.04	12.85	-5.69e-03	0.35	0.03	0.04
6	175	910.00	-0.54	-10.64	0.13	23.84	-0.05	-0.02
6	175	960.00	-0.54	-10.64	0.13	24.99	-0.05	-0.04
6	175	1010.00	-1.18	-7.58	7.78e-03	18.40	-0.10	-0.04
6	175	1060.00	-2.77	-5.71	4.84e-03	-0.24	-0.03	-0.04
6	177	910.00	-1.01	15.54	-0.45	-24.35	-0.03	-8.00e-03
6	177	960.00	-1.01	15.54	-0.45	-23.19	-0.03	9.50e-03
6	177	1010.00	-0.34	14.82	5.23e-03	-16.27	-0.05	-2.47e-03

6	177	1060.00	0.67	13.14	0.21	0.19	-0.01	-9.64e-04
6	199	910.00	-0.75	5.77	-0.58	-5.36	-0.17	-0.05
6	199	960.00	-0.75	5.77	-0.58	-4.21	-0.17	-0.06
6	199	1010.00	-0.77	6.74	0.03	-2.64	-0.34	-0.08
6	199	1060.00	-1.56	6.39	0.41	-0.40	-0.09	-0.08
6	204	910.00	-1.00	17.05	-0.14	-27.71	0.06	0.02
6	204	960.00	-1.00	17.05	-0.14	-26.56	0.06	0.04
6	204	1010.00	-0.16	15.95	-0.01	-18.67	0.12	0.04
6	204	1060.00	1.32	14.13	-7.74e-03	0.40	0.04	0.05
6	207	910.00	-0.50	-12.43	0.14	27.24	-0.06	-0.02
6	207	960.00	-0.50	-12.43	0.14	28.39	-0.06	-0.05
6	207	1010.00	-1.24	-9.10	9.25e-03	20.85	-0.12	-0.05
6	207	1060.00	-3.05	-6.99	6.89e-03	-0.29	-0.04	-0.05
6	209	910.00	-1.06	17.39	-0.52	-27.75	-0.03	-9.15e-03
6	209	960.00	-1.06	17.39	-0.52	-26.60	-0.03	0.01
6	209	1010.00	-0.29	16.41	6.03e-03	-18.72	-0.06	-2.23e-03
6	209	1060.00	0.89	14.47	0.24	0.22	-0.01	-5.05e-04
6	231	910.00	-0.75	6.36	-0.68	-6.22	-0.20	-0.06
6	231	960.00	-0.75	6.36	-0.68	-5.07	-0.20	-0.07
6	231	1010.00	-0.79	7.31	0.03	-3.26	-0.39	-0.09
6	231	1060.00	-1.66	6.87	0.48	-0.46	-0.10	-0.09

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.05	-12.43	-1.56	-27.75	-0.39	-0.14
	1.32	17.39	1.81	28.39	0.91	0.47

Macro	Tipo	Angolo 1-Z (gradi)
7	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
7	9	340.00	1.14	4.45	0.40	-0.01	0.02	-0.30
7	9	392.50	1.14	4.45	0.35	2.05	0.31	-0.40
7	9	445.00	0.88	3.70	-0.51	1.43	1.53e-06	-0.27
7	18	340.00	1.04	3.48	0.66	-0.07	0.03	-0.51
7	18	392.50	1.04	3.48	0.58	1.42	0.51	-0.66
7	18	445.00	0.84	2.94	-0.85	0.84	1.89e-06	-0.44
7	31	340.00	0.73	2.32	-0.19	-0.07	-7.79e-03	0.15
7	31	392.50	0.73	2.32	-0.16	0.90	-0.15	0.20
7	31	445.00	0.61	1.99	0.25	0.54	1.23e-06	0.13
7	41	340.00	1.10	4.89	-0.32	0.01	-0.01	0.25
7	41	392.50	1.10	4.89	-0.28	2.37	-0.25	0.33
7	41	445.00	0.86	4.06	0.42	1.83	1.02e-06	0.22
7	69	340.00	0.88	3.53	0.26	-2.53e-03	0.01	-0.20
7	69	392.50	0.88	3.53	0.23	1.64	0.20	-0.26
7	69	445.00	0.68	2.93	-0.34	1.17	1.13e-06	-0.18
7	75	340.00	0.81	2.88	0.44	-0.04	0.02	-0.34
7	75	392.50	0.81	2.88	0.39	1.23	0.34	-0.44
7	75	445.00	0.65	2.42	-0.57	0.78	1.36e-06	-0.30
7	79	340.00	0.76	2.72	-0.12	-0.05	-5.13e-03	0.10
7	79	392.50	0.76	2.72	-0.11	1.15	-0.10	0.13
7	79	445.00	0.63	2.30	0.17	0.76	1.15e-06	0.09
7	85	340.00	0.85	3.82	-0.21	0.01	-8.81e-03	0.17
7	85	392.50	0.85	3.82	-0.19	1.86	-0.17	0.22
7	85	445.00	0.67	3.17	0.28	1.44	0.0	0.15
7	98	340.00	0.79	2.97	5.59e-03	-0.04	2.53e-04	-9.21e-04
7	98	392.50	0.79	2.97	5.58e-03	1.30	8.54e-04	-1.25e-03
7	98	445.00	0.64	2.50	-1.91e-03	0.90	1.15e-06	-1.07e-03
7	99	340.00	0.86	3.67	4.41e-03	5.06e-03	1.99e-04	-8.04e-04
7	99	392.50	0.86	3.67	4.41e-03	1.75	6.42e-04	-1.09e-03
7	99	445.00	0.67	3.05	-1.46e-03	1.31	0.0	-9.14e-04
7	103	340.00	0.80	3.07	0.09	-0.03	3.87e-03	-0.07
7	103	392.50	0.80	3.07	0.08	1.37	0.07	-0.09
7	103	445.00	0.64	2.58	-0.12	0.95	1.15e-06	-0.06
7	104	340.00	0.85	3.73	-0.04	7.86e-03	-1.60e-03	0.03
7	104	392.50	0.85	3.73	-0.03	1.79	-0.03	0.04
7	104	445.00	0.67	3.10	0.06	1.36	0.0	0.03
7	106	340.00	0.86	3.71	4.36e-03	6.67e-03	1.96e-04	-7.81e-04
7	106	392.50	0.86	3.71	4.35e-03	1.78	6.38e-04	-1.06e-03
7	106	445.00	0.67	3.08	-1.45e-03	1.34	0.0	-8.90e-04
7	107	340.00	0.80	3.07	5.42e-03	-0.03	2.45e-04	-9.01e-04
7	107	392.50	0.80	3.07	5.40e-03	1.37	8.24e-04	-1.22e-03
7	107	445.00	0.64	2.58	-1.85e-03	0.96	1.12e-06	-1.04e-03
7	113	340.00	-0.73	37.44	0.03	0.08	3.03e-03	0.08

7	113	392.50	-5.79	38.29	-0.12	40.57	-0.01	0.08
7	113	445.00	-2.65	35.04	-0.05	34.61	0.02	0.07
7	114	340.00	2.34	-31.30	-0.02	-0.14	-2.54e-03	-0.09
7	114	392.50	7.39	-32.15	0.13	-37.82	0.01	-0.09
7	114	445.00	3.93	-29.87	0.04	-32.69	-0.02	-0.08
7	134	340.00	1.96	-21.47	0.09	-0.08	7.36e-03	-0.09
7	134	392.50	5.45	-22.08	0.24	-26.12	0.07	-0.09
7	134	445.00	2.94	-20.30	-0.12	-22.67	0.03	-0.07
7	145	340.00	-0.92	41.74	0.03	0.10	3.39e-03	0.10
7	145	392.50	-6.61	42.69	-0.13	45.46	-0.01	0.09
7	145	445.00	-3.06	39.10	-0.05	38.81	0.02	0.08
7	146	340.00	2.53	-35.59	-0.02	-0.16	-2.90e-03	-0.10
7	146	392.50	8.22	-36.55	0.14	-42.71	0.02	-0.10
7	146	445.00	4.34	-33.93	0.05	-36.89	-0.02	-0.09
7	166	340.00	2.11	-24.52	0.10	-0.09	8.24e-03	-0.10
7	166	392.50	6.03	-25.20	0.26	-29.53	0.07	-0.10
7	166	445.00	3.22	-23.13	-0.13	-25.59	0.03	-0.08
7	177	340.00	-0.83	39.94	0.03	0.09	3.42e-03	0.09
7	177	392.50	-6.26	40.85	-0.13	43.34	-0.01	0.09
7	177	445.00	-2.88	37.39	-0.05	36.99	0.02	0.08
7	178	340.00	2.44	-33.79	-0.02	-0.15	-2.93e-03	-0.09
7	178	392.50	7.86	-34.70	0.14	-40.59	0.02	-0.09
7	178	445.00	4.17	-32.22	0.05	-35.07	-0.02	-0.08
7	198	340.00	2.06	-23.46	0.10	-0.08	8.03e-03	-0.10
7	198	392.50	5.82	-24.11	0.26	-28.26	0.07	-0.10
7	198	445.00	3.12	-22.12	-0.13	-24.50	0.03	-0.08
7	209	340.00	-1.07	45.36	0.03	0.11	4.00e-03	0.10
7	209	392.50	-7.29	46.40	-0.15	49.47	-0.02	0.10
7	209	445.00	-3.40	42.50	-0.06	42.26	0.02	0.09
7	210	340.00	2.67	-39.21	-0.02	-0.17	-3.51e-03	-0.10
7	210	392.50	8.90	-40.26	0.16	-46.72	0.02	-0.10
7	210	445.00	4.69	-37.33	0.06	-40.34	-0.02	-0.09
7	230	340.00	2.24	-27.47	0.12	-0.09	9.30e-03	-0.11
7	230	392.50	6.57	-28.23	0.30	-32.71	0.08	-0.11
7	230	445.00	3.49	-25.84	-0.15	-28.32	0.04	-0.09

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.29	-40.26	-0.85	-46.72	-0.25	-0.66
	8.90	46.40	0.66	49.47	0.51	0.33

Macro	Tipo	Angolo 1-Z (gradi)
8	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
8	4	0.0	-223.41	0.17	0.39	-0.54	0.0	8.94e-05
8	4	52.50	-223.41	0.17	0.39	-0.46	0.21	1.23e-04
8	4	105.00	-205.99	0.16	0.09	-0.37	0.25	1.13e-04
8	4	157.50	-193.19	0.16	0.04	-0.29	0.27	1.11e-04
8	4	210.00	-182.95	0.16	0.05	-0.20	0.30	1.11e-04
8	4	253.33	-175.54	0.16	-0.02	-0.14	0.29	1.11e-04
8	4	296.67	-171.78	0.16	-0.22	-0.07	0.19	1.09e-04
8	4	340.00	-149.86	0.16	-0.44	-3.51e-06	0.0	8.33e-05
8	44	0.0	-160.37	0.15	-0.99	-0.50	0.0	-3.45e-04
8	44	52.50	-160.37	0.15	-0.99	-0.42	-0.52	-4.77e-04
8	44	105.00	-151.59	0.15	0.10	-0.34	-0.47	-4.35e-04
8	44	157.50	-145.70	0.15	0.19	-0.26	-0.37	-4.30e-04
8	44	210.00	-141.09	0.15	0.03	-0.19	-0.35	-4.30e-04
8	44	253.33	-137.90	0.14	-0.11	-0.12	-0.40	-4.30e-04
8	44	296.67	-136.89	0.14	-6.53e-03	-0.06	-0.40	-4.22e-04
8	44	340.00	-120.73	0.14	0.92	-3.20e-06	0.0	-3.22e-04
8	45	0.0	-54.62	0.04	-1.04	-0.13	0.0	-3.16e-04
8	45	52.50	-54.62	0.04	-1.04	-0.11	-0.55	-4.37e-04
8	45	105.00	-53.39	0.04	0.05	-0.09	-0.52	-3.99e-04
8	45	157.50	-52.87	0.04	0.15	-0.07	-0.44	-3.94e-04
8	45	210.00	-52.48	0.04	0.01	-0.05	-0.44	-3.94e-04
8	45	253.33	-52.23	0.04	-0.09	-0.03	-0.47	-3.94e-04
8	45	296.67	-52.47	0.04	0.09	-0.02	-0.44	-3.87e-04
8	45	340.00	-46.66	0.04	1.00	0.0	0.0	-2.95e-04
8	52	0.0	-209.78	0.20	0.09	-0.66	0.0	-8.16e-05
8	52	52.50	-209.78	0.20	0.09	-0.55	0.05	-1.13e-04
8	52	105.00	-194.67	0.20	0.10	-0.45	0.10	-1.03e-04
8	52	157.50	-183.81	0.19	0.08	-0.35	0.14	-1.02e-04
8	52	210.00	-175.25	0.19	0.04	-0.25	0.16	-1.02e-04

8	52	253.33	-169.19	0.19	-0.05	-0.16	0.14	-1.02e-04
8	52	296.67	-166.47	0.19	-0.18	-0.08	0.06	-9.98e-05
8	52	340.00	-145.92	0.19	-0.14	-4.54e-06	0.0	-7.60e-05
8	68	0.0	-156.49	0.11	0.26	-0.38	0.0	5.38e-05
8	68	52.50	-156.49	0.11	0.26	-0.32	0.14	7.42e-05
8	68	105.00	-144.31	0.11	0.06	-0.26	0.17	6.78e-05
8	68	157.50	-135.36	0.11	0.03	-0.20	0.19	6.70e-05
8	68	210.00	-128.20	0.11	0.03	-0.14	0.20	6.69e-05
8	68	253.33	-123.01	0.11	-0.02	-0.09	0.19	6.70e-05
8	68	296.67	-120.37	0.11	-0.15	-0.05	0.13	6.58e-05
8	68	340.00	-105.02	0.11	-0.30	-2.40e-06	0.0	5.01e-05
8	85	0.0	-67.52	0.05	-0.69	-0.17	0.0	-2.28e-04
8	85	52.50	-67.52	0.05	-0.69	-0.14	-0.36	-3.15e-04
8	85	105.00	-64.43	0.05	0.05	-0.11	-0.34	-2.88e-04
8	85	157.50	-62.44	0.05	0.11	-0.09	-0.28	-2.84e-04
8	85	210.00	-60.87	0.05	0.01	-0.06	-0.27	-2.84e-04
8	85	253.33	-59.77	0.05	-0.06	-0.04	-0.30	-2.84e-04
8	85	296.67	-59.47	0.05	0.04	-0.02	-0.28	-2.79e-04
8	85	340.00	-52.55	0.05	0.65	0.0	0.0	-2.13e-04
8	88	0.0	-114.46	0.11	-0.66	-0.35	0.0	-2.36e-04
8	88	52.50	-114.46	0.11	-0.66	-0.29	-0.35	-3.26e-04
8	88	105.00	-108.04	0.10	0.07	-0.24	-0.31	-2.98e-04
8	88	157.50	-103.69	0.10	0.13	-0.18	-0.24	-2.94e-04
8	88	210.00	-100.29	0.10	0.02	-0.13	-0.23	-2.94e-04
8	88	253.33	-97.92	0.10	-0.08	-0.09	-0.26	-2.94e-04
8	88	296.67	-97.11	0.10	-9.17e-03	-0.04	-0.27	-2.89e-04
8	88	340.00	-85.60	0.10	0.61	-2.20e-06	0.0	-2.20e-04
8	92	0.0	-147.40	0.14	0.06	-0.46	0.0	-6.02e-05
8	92	52.50	-147.40	0.14	0.06	-0.38	0.03	-8.32e-05
8	92	105.00	-136.76	0.14	0.07	-0.31	0.07	-7.60e-05
8	92	157.50	-129.11	0.13	0.05	-0.24	0.09	-7.50e-05
8	92	210.00	-123.06	0.13	0.03	-0.17	0.11	-7.50e-05
8	92	253.33	-118.78	0.13	-0.03	-0.11	0.09	-7.50e-05
8	92	296.67	-116.83	0.13	-0.12	-0.06	0.04	-7.37e-05
8	92	340.00	-102.39	0.13	-0.09	-3.09e-06	0.0	-5.61e-05
8	98	0.0	-123.99	0.11	0.05	-0.37	0.0	-5.63e-05
8	98	52.50	-123.99	0.11	0.05	-0.31	0.03	-7.77e-05
8	98	105.00	-115.01	0.11	0.05	-0.25	0.05	-7.10e-05
8	98	157.50	-108.54	0.11	0.04	-0.19	0.08	-7.01e-05
8	98	210.00	-103.42	0.11	0.02	-0.14	0.09	-7.01e-05
8	98	253.33	-99.77	0.11	-0.03	-0.09	0.08	-7.01e-05
8	98	296.67	-98.08	0.11	-0.10	-0.05	0.03	-6.89e-05
8	98	340.00	-85.93	0.11	-0.07	-2.43e-06	0.0	-5.25e-05
8	104	0.0	-79.75	0.06	-0.12	-0.20	0.0	-8.52e-05
8	104	52.50	-79.75	0.06	-0.12	-0.17	-0.06	-1.18e-04
8	104	105.00	-74.28	0.06	0.03	-0.14	-0.04	-1.07e-04
8	104	157.50	-70.36	0.06	0.04	-0.10	-0.02	-1.06e-04
8	104	210.00	-67.23	0.06	0.01	-0.07	-0.01	-1.06e-04
8	104	253.33	-64.97	0.06	-0.03	-0.05	-0.03	-1.06e-04
8	104	296.67	-63.91	0.06	-0.04	-0.02	-0.04	-1.04e-04
8	104	340.00	-56.03	0.06	0.10	-1.08e-06	0.0	-7.94e-05
8	105	0.0	-115.05	0.10	-0.10	-0.34	0.0	-9.11e-05
8	105	52.50	-115.05	0.10	-0.10	-0.28	-0.05	-1.26e-04
8	105	105.00	-107.08	0.10	0.05	-0.23	-0.02	-1.15e-04
8	105	157.50	-101.39	0.10	0.06	-0.18	6.57e-03	-1.13e-04
8	105	210.00	-96.88	0.10	0.02	-0.13	0.02	-1.13e-04
8	105	253.33	-93.68	0.10	-0.04	-0.08	1.98e-03	-1.13e-04
8	105	296.67	-92.24	0.10	-0.08	-0.04	-0.03	-1.11e-04
8	105	340.00	-80.91	0.10	0.07	-2.17e-06	0.0	-8.48e-05
8	106	0.0	-82.81	0.06	0.03	-0.21	0.0	-4.94e-05
8	106	52.50	-82.81	0.06	0.03	-0.17	0.01	-6.82e-05
8	106	105.00	-76.74	0.06	0.03	-0.14	0.03	-6.23e-05
8	106	157.50	-72.34	0.06	0.03	-0.11	0.04	-6.16e-05
8	106	210.00	-68.82	0.06	0.01	-0.08	0.05	-6.16e-05
8	106	253.33	-66.28	0.06	-0.02	-0.05	0.04	-6.16e-05
8	106	296.67	-65.02	0.06	-0.06	-0.03	0.02	-6.05e-05
8	106	340.00	-56.90	0.06	-0.04	-1.14e-06	0.0	-4.61e-05
8	107	0.0	-118.11	0.11	0.05	-0.34	0.0	-5.53e-05
8	107	52.50	-118.11	0.11	0.05	-0.29	0.02	-7.64e-05
8	107	105.00	-109.54	0.10	0.05	-0.24	0.05	-6.98e-05
8	107	157.50	-103.37	0.10	0.04	-0.18	0.07	-6.89e-05
8	107	210.00	-98.47	0.10	0.02	-0.13	0.08	-6.89e-05
8	107	253.33	-94.98	0.10	-0.03	-0.09	0.07	-6.89e-05
8	107	296.67	-93.35	0.10	-0.09	-0.04	0.03	-6.77e-05
8	107	340.00	-81.78	0.10	-0.07	-2.24e-06	0.0	-5.15e-05

8	112	0.0	-177.66	50.09	-0.14	-150.59	-0.05	-0.03
8	112	52.50	-177.66	50.09	-0.14	-150.54	-0.02	-0.03
8	112	105.00	-160.40	46.83	0.03	-124.79	-0.05	-0.03
8	112	157.50	-147.59	43.42	0.10	-99.37	-0.02	-0.03
8	112	210.00	-137.90	42.93	0.09	-74.08	0.02	-0.03
8	112	253.33	-131.74	42.60	0.04	-51.19	0.06	-0.03
8	112	296.67	-102.49	42.36	-0.06	-30.95	0.02	-0.03
8	112	340.00	-79.96	42.17	-0.05	-9.17	-1.51e-03	-0.02
8	117	0.0	-119.60	47.93	0.05	-143.97	1.67e-03	-0.03
8	117	52.50	-119.60	47.93	0.05	-143.91	0.03	-0.03
8	117	105.00	-112.58	44.68	0.06	-119.24	0.05	-0.03
8	117	157.50	-105.86	41.23	0.04	-94.91	0.08	-0.03
8	117	210.00	-98.76	40.69	0.02	-70.73	0.09	-0.03
8	117	253.33	-91.91	40.29	-0.03	-48.85	0.08	-0.03
8	117	296.67	-86.04	39.98	-0.11	-29.46	0.03	-0.03
8	117	340.00	-79.94	39.72	-0.04	-8.62	-2.25e-03	-0.03
8	136	0.0	-230.56	28.81	-0.31	-86.49	-0.09	-0.01
8	136	52.50	-230.56	28.81	-0.31	-86.44	-0.07	-0.01
8	136	105.00	-203.74	20.87	-4.47e-03	-72.07	-0.15	-0.02
8	136	157.50	-185.84	11.29	0.14	-57.58	-0.12	-0.02
8	136	210.00	-174.74	10.83	0.16	-42.77	-0.05	-0.02
8	136	253.33	-170.44	10.44	0.10	-29.23	0.03	-0.02
8	136	296.67	-172.66	10.12	-2.40e-03	-18.45	0.02	-8.26e-03
8	136	340.00	-128.74	9.80	-0.07	-1.91	2.18e-03	-7.85e-03
8	139	0.0	-5.66	-28.59	0.40	85.80	0.09	0.01
8	139	52.50	-5.66	-28.59	0.40	85.86	0.12	0.01
8	139	105.00	-15.34	-20.66	0.11	71.60	0.25	0.02
8	139	157.50	-20.89	-11.09	-0.06	57.22	0.26	0.02
8	139	210.00	-22.21	-10.63	-0.12	42.51	0.21	0.02
8	139	253.33	-19.52	-10.24	-0.16	29.06	0.11	0.02
8	139	296.67	-14.05	-9.92	-0.19	18.37	0.04	8.12e-03
8	139	340.00	-34.82	-9.61	-0.06	1.91	-2.18e-03	7.74e-03
8	144	0.0	-185.19	56.46	-0.16	-169.74	-0.05	-0.03
8	144	52.50	-185.19	56.46	-0.16	-169.69	-0.03	-0.03
8	144	105.00	-166.84	52.78	0.03	-140.66	-0.06	-0.03
8	144	157.50	-153.19	48.94	0.10	-112.01	-0.04	-0.03
8	144	210.00	-142.86	48.39	0.10	-83.51	0.01	-0.03
8	144	253.33	-136.33	48.02	0.04	-57.70	0.06	-0.03
8	144	296.67	-103.63	47.75	-0.06	-34.89	0.02	-0.03
8	144	340.00	-79.75	47.54	-0.04	-10.34	-1.71e-03	-0.03
8	149	0.0	-119.92	54.27	0.05	-162.98	1.77e-03	-0.03
8	149	52.50	-119.92	54.27	0.05	-162.93	0.03	-0.03
8	149	105.00	-113.06	50.59	0.06	-135.00	0.06	-0.03
8	149	157.50	-106.25	46.70	0.04	-107.45	0.08	-0.03
8	149	210.00	-98.85	46.09	0.02	-80.08	0.09	-0.03
8	149	253.33	-91.56	45.64	-0.04	-55.31	0.08	-0.03
8	149	296.67	-85.15	45.29	-0.12	-33.36	0.03	-0.03
8	149	340.00	-79.67	45.00	-0.04	-9.76	-2.51e-03	-0.03
8	168	0.0	-244.80	32.57	-0.35	-97.81	-0.10	-0.02
8	168	52.50	-244.80	32.57	-0.35	-97.75	-0.08	-0.01
8	168	105.00	-215.72	23.62	-0.01	-81.50	-0.18	-0.02
8	168	157.50	-196.32	12.83	0.15	-65.11	-0.14	-0.02
8	168	210.00	-184.38	12.31	0.18	-48.37	-0.07	-0.02
8	168	253.33	-179.90	11.88	0.12	-33.06	0.02	-0.02
8	168	296.67	-182.50	11.52	9.09e-03	-20.86	0.02	-9.34e-03
8	168	340.00	-134.57	11.17	-0.08	-2.18	2.41e-03	-8.88e-03
8	171	0.0	8.58	-32.36	0.44	97.12	0.10	0.02
8	171	52.50	8.58	-32.36	0.44	97.17	0.13	0.01
8	171	105.00	-3.37	-23.41	0.11	81.03	0.28	0.02
8	171	157.50	-10.41	-12.62	-0.07	64.75	0.29	0.02
8	171	210.00	-12.56	-12.11	-0.13	48.11	0.23	0.02
8	171	253.33	-10.07	-11.68	-0.17	32.88	0.12	0.02
8	171	296.67	-4.21	-11.32	-0.20	20.77	0.04	9.20e-03
8	171	340.00	-28.99	-10.97	-0.06	2.18	-2.41e-03	8.78e-03
8	176	0.0	-184.65	56.88	-0.16	-171.02	-0.05	-0.03
8	176	52.50	-184.65	56.88	-0.16	-170.96	-0.03	-0.03
8	176	105.00	-166.42	53.19	0.03	-141.71	-0.06	-0.03
8	176	157.50	-152.75	49.34	0.10	-112.84	-0.03	-0.03
8	176	210.00	-142.26	48.80	0.10	-84.13	0.01	-0.03
8	176	253.33	-135.45	48.44	0.04	-58.14	0.06	-0.03
8	176	296.67	-103.93	48.18	-0.06	-35.14	0.02	-0.03
8	176	340.00	-80.35	47.97	-0.04	-10.41	-1.63e-03	-0.03
8	181	0.0	-120.95	56.32	0.05	-169.15	9.33e-04	-0.03
8	181	52.50	-120.95	56.32	0.05	-169.09	0.02	-0.03
8	181	105.00	-113.84	52.58	0.06	-140.10	0.05	-0.04

8	181	157.50	-106.84	48.65	0.04	-111.50	0.08	-0.03
8	181	210.00	-99.29	48.04	0.02	-83.10	0.09	-0.03
8	181	253.33	-91.88	47.59	-0.04	-57.41	0.08	-0.03
8	181	296.67	-85.36	47.23	-0.12	-34.60	0.03	-0.03
8	181	340.00	-79.37	46.94	-0.04	-10.16	-2.18e-03	-0.03
8	200	0.0	-244.49	33.51	-0.35	-100.63	-0.10	-0.02
8	200	52.50	-244.49	33.51	-0.35	-100.57	-0.08	-0.02
8	200	105.00	-215.74	24.51	-0.01	-83.82	-0.17	-0.02
8	200	157.50	-196.32	13.68	0.15	-66.95	-0.14	-0.02
8	200	210.00	-184.05	13.22	0.17	-49.75	-0.06	-0.02
8	200	253.33	-178.98	12.84	0.12	-34.02	0.02	-0.02
8	200	296.67	-180.81	12.51	7.55e-03	-21.39	0.02	-9.66e-03
8	200	340.00	-133.58	12.19	-0.07	-2.40	2.07e-03	-9.25e-03
8	203	0.0	8.28	-33.30	0.44	99.94	0.10	0.02
8	203	52.50	8.28	-33.30	0.44	99.99	0.13	0.02
8	203	105.00	-3.34	-24.30	0.11	83.35	0.27	0.02
8	203	157.50	-10.41	-13.48	-0.07	66.59	0.28	0.02
8	203	210.00	-12.89	-13.02	-0.13	49.49	0.23	0.02
8	203	253.33	-10.98	-12.64	-0.17	33.85	0.12	0.02
8	203	296.67	-5.90	-12.32	-0.20	21.30	0.04	9.52e-03
8	203	340.00	-29.98	-11.99	-0.06	2.40	-2.07e-03	9.15e-03
8	213	0.0	-122.72	68.07	0.05	-204.45	7.28e-05	-0.04
8	213	52.50	-122.72	68.07	0.05	-204.39	0.02	-0.04
8	213	105.00	-115.63	63.63	0.06	-169.34	0.05	-0.04
8	213	157.50	-108.30	58.98	0.05	-134.77	0.08	-0.04
8	213	210.00	-100.13	58.26	0.02	-100.45	0.09	-0.04
8	213	253.33	-91.93	57.72	-0.04	-69.40	0.08	-0.04
8	213	296.67	-84.49	57.30	-0.12	-41.81	0.03	-0.04
8	213	340.00	-79.12	56.96	-0.03	-12.32	-2.48e-03	-0.04
8	216	0.0	-200.35	68.25	-0.20	-204.98	-0.06	-0.04
8	216	52.50	-200.35	68.25	-0.20	-204.93	-0.04	-0.04
8	216	105.00	-180.12	63.89	0.02	-169.82	-0.09	-0.04
8	216	157.50	-164.55	59.33	0.11	-135.17	-0.06	-0.04
8	216	210.00	-152.24	58.68	0.12	-100.73	-2.13e-03	-0.04
8	216	253.33	-143.77	58.18	0.05	-69.57	0.04	-0.04
8	216	296.67	-139.41	57.79	-0.05	-42.00	0.02	-0.04
8	216	340.00	-111.15	57.45	-0.03	-12.40	-2.10e-03	-0.04
8	232	0.0	-266.29	40.17	-0.42	-120.64	-0.12	-0.02
8	232	52.50	-266.29	40.17	-0.42	-120.58	-0.10	-0.02
8	232	105.00	-234.28	29.56	-0.02	-100.47	-0.21	-0.03
8	232	157.50	-212.55	16.81	0.17	-80.24	-0.18	-0.02
8	232	210.00	-198.78	16.31	0.20	-59.63	-0.09	-0.02
8	232	253.33	-193.04	15.90	0.14	-40.80	0.02	-0.02
8	232	296.67	-194.94	15.54	0.02	-25.60	0.02	-0.01
8	232	340.00	-142.01	15.18	-0.07	-3.02	2.39e-03	-0.01
8	235	0.0	30.07	-39.96	0.51	119.95	0.12	0.02
8	235	52.50	30.07	-39.96	0.51	120.00	0.14	0.02
8	235	105.00	15.20	-29.35	0.12	100.00	0.31	0.03
8	235	157.50	5.82	-16.60	-0.09	79.87	0.32	0.02
8	235	210.00	1.83	-16.11	-0.16	59.37	0.25	0.02
8	235	253.33	3.07	-15.70	-0.19	40.63	0.12	0.02
8	235	296.67	8.24	-15.34	-0.21	25.51	0.04	0.01
8	235	340.00	-21.55	-14.99	-0.06	3.02	-2.39e-03	0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-266.29	-39.96	-1.04	-204.98	-0.55	-0.04
	30.07	68.25	1.00	120.00	0.32	0.03

Macro	Tipo	Angolo 1-Z (gradi)
9	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
9	4	0.0	-225.34	0.22	0.28	-0.74	0.0	-5.43e-04
9	4	52.50	-225.34	0.22	0.28	-0.62	0.15	-7.49e-04
9	4	105.00	-208.21	0.22	-0.01	-0.50	0.14	-6.84e-04
9	4	157.50	-195.58	0.22	2.57e-03	-0.39	0.14	-6.76e-04
9	4	210.00	-185.32	0.21	0.05	-0.28	0.17	-6.76e-04
9	4	253.33	-177.75	0.21	0.02	-0.19	0.18	-6.76e-04
9	4	296.67	-173.73	0.21	-0.12	-0.09	0.12	-6.64e-04
9	4	340.00	-151.19	0.21	-0.28	-5.58e-06	0.0	-5.06e-04
9	18	0.0	-207.51	0.17	0.50	-0.56	0.0	-5.66e-04
9	18	52.50	-207.51	0.17	0.50	-0.47	0.26	-7.82e-04
9	18	105.00	-190.64	0.17	-0.01	-0.38	0.25	-7.14e-04

9	18	157.50	-178.01	0.16	-0.03	-0.30	0.24	-7.06e-04
9	18	210.00	-167.67	0.16	0.04	-0.21	0.26	-7.05e-04
9	18	253.33	-159.94	0.16	0.03	-0.14	0.28	-7.06e-04
9	18	296.67	-155.58	0.16	-0.14	-0.07	0.21	-6.93e-04
9	18	340.00	-134.85	0.16	-0.50	-4.31e-06	0.0	-5.28e-04
9	45	0.0	-55.26	0.04	-1.14	-0.13	0.0	1.46e-04
9	45	52.50	-55.26	0.04	-1.14	-0.11	-0.60	2.01e-04
9	45	105.00	-54.25	0.04	-2.53e-03	-0.09	-0.60	1.84e-04
9	45	157.50	-53.85	0.04	0.14	-0.07	-0.53	1.82e-04
9	45	210.00	-53.45	0.04	0.02	-0.05	-0.51	1.81e-04
9	45	253.33	-53.11	0.04	-0.06	-0.03	-0.54	1.82e-04
9	45	296.67	-53.19	0.04	0.15	-0.02	-0.47	1.78e-04
9	45	340.00	-47.07	0.04	1.09	0.0	0.0	1.36e-04
9	52	0.0	-211.79	0.25	-0.05	-0.82	0.0	-4.27e-04
9	52	52.50	-211.79	0.25	-0.05	-0.69	-0.03	-5.90e-04
9	52	105.00	-197.01	0.24	-0.01	-0.56	-0.03	-5.39e-04
9	52	157.50	-186.36	0.24	0.04	-0.43	-0.01	-5.32e-04
9	52	210.00	-177.78	0.24	0.05	-0.31	0.01	-5.32e-04
9	52	253.33	-171.54	0.24	1.80e-03	-0.21	0.01	-5.32e-04
9	52	296.67	-168.55	0.24	-0.07	-0.10	-0.02	-5.23e-04
9	52	340.00	-147.31	0.24	0.04	-6.25e-06	0.0	-3.98e-04
9	68	0.0	-157.77	0.16	0.18	-0.51	0.0	-3.77e-04
9	68	52.50	-157.77	0.16	0.18	-0.43	0.10	-5.21e-04
9	68	105.00	-145.80	0.15	-9.94e-03	-0.35	0.09	-4.76e-04
9	68	157.50	-136.97	0.15	2.43e-03	-0.27	0.09	-4.70e-04
9	68	210.00	-129.80	0.15	0.04	-0.19	0.11	-4.70e-04
9	68	253.33	-124.50	0.15	0.01	-0.13	0.12	-4.70e-04
9	68	296.67	-121.69	0.15	-0.08	-0.06	0.08	-4.62e-04
9	68	340.00	-105.91	0.15	-0.18	-3.90e-06	0.0	-3.52e-04
9	75	0.0	-145.88	0.12	0.33	-0.40	0.0	-3.93e-04
9	75	52.50	-145.88	0.12	0.33	-0.33	0.17	-5.42e-04
9	75	105.00	-134.08	0.12	-9.95e-03	-0.27	0.17	-4.95e-04
9	75	157.50	-125.26	0.12	-0.02	-0.21	0.16	-4.90e-04
9	75	210.00	-118.03	0.12	0.03	-0.15	0.17	-4.89e-04
9	75	253.33	-112.63	0.12	0.02	-0.10	0.18	-4.90e-04
9	75	296.67	-109.59	0.12	-0.10	-0.05	0.14	-4.81e-04
9	75	340.00	-95.01	0.12	-0.33	-3.06e-06	0.0	-3.66e-04
9	85	0.0	-68.10	0.06	-0.77	-0.19	0.0	3.45e-05
9	85	52.50	-68.10	0.06	-0.77	-0.16	-0.40	4.77e-05
9	85	105.00	-65.22	0.06	-4.69e-03	-0.13	-0.41	4.35e-05
9	85	157.50	-63.35	0.06	0.10	-0.10	-0.36	4.30e-05
9	85	210.00	-61.79	0.06	0.02	-0.07	-0.34	4.30e-05
9	85	253.33	-60.60	0.06	-0.04	-0.05	-0.36	4.30e-05
9	85	296.67	-60.16	0.06	0.09	-0.02	-0.32	4.22e-05
9	85	340.00	-52.95	0.06	0.74	-1.54e-06	0.0	3.22e-05
9	92	0.0	-148.73	0.17	-0.04	-0.57	0.0	-3.00e-04
9	92	52.50	-148.73	0.17	-0.04	-0.48	-0.02	-4.14e-04
9	92	105.00	-138.33	0.17	-9.43e-03	-0.39	-0.02	-3.79e-04
9	92	157.50	-130.82	0.17	0.03	-0.30	-0.01	-3.74e-04
9	92	210.00	-124.78	0.17	0.04	-0.21	8.41e-03	-3.74e-04
9	92	253.33	-120.37	0.16	1.21e-03	-0.14	8.93e-03	-3.74e-04
9	92	296.67	-118.23	0.16	-0.05	-0.07	-0.01	-3.67e-04
9	92	340.00	-103.32	0.17	0.03	-4.35e-06	0.0	-2.80e-04
9	98	0.0	-124.95	0.14	-0.03	-0.47	0.0	-2.50e-04
9	98	52.50	-124.95	0.14	-0.03	-0.39	-0.02	-3.45e-04
9	98	105.00	-116.18	0.14	-9.32e-03	-0.32	-0.02	-3.15e-04
9	98	157.50	-109.84	0.14	0.02	-0.25	-0.01	-3.12e-04
9	98	210.00	-104.73	0.14	0.03	-0.18	3.10e-03	-3.11e-04
9	98	253.33	-100.98	0.14	7.08e-04	-0.12	3.41e-03	-3.12e-04
9	98	296.67	-99.13	0.14	-0.04	-0.06	-0.01	-3.06e-04
9	98	340.00	-86.61	0.14	0.03	-3.57e-06	0.0	-2.33e-04
9	103	0.0	-121.99	0.13	0.04	-0.42	0.0	-2.64e-04
9	103	52.50	-121.99	0.13	0.04	-0.35	0.02	-3.64e-04
9	103	105.00	-113.11	0.13	-9.38e-03	-0.29	0.02	-3.33e-04
9	103	157.50	-106.62	0.12	0.01	-0.22	0.02	-3.29e-04
9	103	210.00	-101.36	0.12	0.03	-0.16	0.04	-3.29e-04
9	103	253.33	-97.48	0.12	4.66e-03	-0.11	0.04	-3.29e-04
9	103	296.67	-95.48	0.12	-0.05	-0.05	0.02	-3.23e-04
9	103	340.00	-83.27	0.12	-0.04	-3.24e-06	0.0	-2.46e-04
9	104	0.0	-80.14	0.08	-0.17	-0.26	0.0	-1.27e-04
9	104	52.50	-80.14	0.08	-0.17	-0.22	-0.09	-1.75e-04
9	104	105.00	-74.84	0.08	-7.77e-03	-0.18	-0.10	-1.60e-04
9	104	157.50	-71.02	0.08	0.03	-0.14	-0.08	-1.58e-04
9	104	210.00	-67.91	0.08	0.02	-0.10	-0.07	-1.58e-04
9	104	253.33	-65.60	0.08	-7.37e-03	-0.07	-0.08	-1.58e-04

9	104	296.67	-64.44	0.08	2.84e-03	-0.03	-0.07	-1.55e-04
9	104	340.00	-56.33	0.08	0.17	-2.14e-06	0.0	-1.18e-04
9	106	0.0	-83.15	0.08	-0.03	-0.28	0.0	-1.67e-04
9	106	52.50	-83.15	0.08	-0.03	-0.23	-0.01	-2.31e-04
9	106	105.00	-77.24	0.08	-8.54e-03	-0.19	-0.02	-2.11e-04
9	106	157.50	-72.94	0.08	0.01	-0.15	-0.01	-2.08e-04
9	106	210.00	-69.44	0.08	0.02	-0.11	-4.53e-03	-2.08e-04
9	106	253.33	-66.85	0.08	1.71e-04	-0.07	-4.45e-03	-2.08e-04
9	106	296.67	-65.51	0.08	-0.02	-0.04	-0.01	-2.05e-04
9	106	340.00	-57.18	0.08	0.03	-2.29e-06	0.0	-1.56e-04
9	107	0.0	-118.98	0.13	-0.03	-0.44	0.0	-2.38e-04
9	107	52.50	-118.98	0.13	-0.03	-0.37	-0.02	-3.29e-04
9	107	105.00	-110.62	0.13	-9.21e-03	-0.30	-0.02	-3.00e-04
9	107	157.50	-104.57	0.13	0.02	-0.23	-0.01	-2.97e-04
9	107	210.00	-99.69	0.13	0.03	-0.17	2.01e-03	-2.97e-04
9	107	253.33	-96.11	0.13	6.31e-04	-0.11	2.29e-03	-2.97e-04
9	107	296.67	-94.33	0.13	-0.03	-0.06	-0.01	-2.92e-04
9	107	340.00	-82.41	0.13	0.03	-3.39e-06	0.0	-2.22e-04
9	112	0.0	-120.54	50.09	-0.03	-150.61	1.42e-03	-0.03
9	112	52.50	-120.54	50.09	-0.03	-150.54	-0.02	-0.03
9	112	105.00	-110.26	46.73	-9.47e-03	-124.76	-0.02	-0.03
9	112	157.50	-104.29	43.21	0.02	-99.34	-0.01	-0.03
9	112	210.00	-100.99	42.68	0.03	-74.07	9.06e-03	-0.03
9	112	253.33	-125.54	42.32	9.83e-03	-51.20	0.02	-0.03
9	112	296.67	-126.36	42.06	-0.03	-30.88	5.84e-03	-0.03
9	112	340.00	-107.37	41.87	-0.04	-9.12	0.01	-0.03
9	120	0.0	-118.72	48.07	-0.02	-144.38	3.53e-03	-0.03
9	120	52.50	-118.72	48.07	-0.02	-144.31	-0.01	-0.03
9	120	105.00	-108.60	44.76	-9.41e-03	-119.57	-0.01	-0.03
9	120	157.50	-102.92	41.26	0.02	-95.17	-2.65e-03	-0.03
9	120	210.00	-100.06	40.72	0.03	-70.93	8.91e-03	-0.03
9	120	253.33	-99.64	40.33	0.01	-48.99	0.02	-0.03
9	120	296.67	-101.85	40.02	-0.03	-29.53	5.06e-03	-0.03
9	120	340.00	-108.27	39.76	-0.03	-8.62	0.01	-0.03
9	129	0.0	-6.53	24.91	7.40e-03	-85.42	9.93e-03	-0.02
9	129	52.50	-6.53	24.91	7.40e-03	-85.35	-6.64e-03	-0.02
9	129	105.00	-17.57	20.68	-0.05	-71.21	-0.01	-0.02
9	129	157.50	-23.77	11.30	-0.05	-56.92	-0.04	-0.02
9	129	210.00	-25.12	10.84	-0.05	-42.29	-0.02	-0.02
9	129	253.33	-22.07	10.46	-0.06	-28.88	-0.05	-0.02
9	129	296.67	-15.96	10.13	-0.03	-18.22	-0.07	-8.52e-03
9	129	340.00	-43.03	9.82	0.17	-1.90	-0.03	-8.02e-03
9	130	0.0	-231.42	-24.64	-0.07	84.55	-9.93e-03	0.02
9	130	52.50	-231.42	-24.64	-0.07	84.62	-0.03	0.02
9	130	105.00	-203.67	-20.42	0.03	70.61	-0.03	0.02
9	130	157.50	-185.37	-11.04	0.08	56.46	0.02	0.02
9	130	210.00	-174.25	-10.58	0.10	41.96	0.03	0.02
9	130	253.33	-170.14	-10.20	0.06	28.66	0.05	0.02
9	130	296.67	-172.70	-9.87	-0.04	18.11	0.05	7.93e-03
9	130	340.00	-121.79	-9.56	-0.11	1.90	0.03	7.58e-03
9	144	0.0	-120.71	56.46	-0.02	-169.75	1.58e-03	-0.03
9	144	52.50	-120.71	56.46	-0.02	-169.68	-0.01	-0.03
9	144	105.00	-110.21	52.67	-9.54e-03	-140.62	-0.02	-0.03
9	144	157.50	-104.26	48.69	0.02	-111.97	-0.01	-0.03
9	144	210.00	-101.15	48.10	0.03	-83.49	9.85e-03	-0.03
9	144	253.33	-129.20	47.70	0.01	-57.71	0.02	-0.03
9	144	296.67	-130.33	47.41	-0.03	-34.80	8.10e-03	-0.03
9	144	340.00	-110.47	47.19	-0.04	-10.28	0.01	-0.03
9	152	0.0	-118.57	54.42	-0.02	-163.44	3.95e-03	-0.03
9	152	52.50	-118.57	54.42	-0.02	-163.37	-0.01	-0.03
9	152	105.00	-108.27	50.68	-9.51e-03	-135.36	-0.01	-0.04
9	152	157.50	-102.66	46.73	0.02	-107.74	-1.57e-03	-0.03
9	152	210.00	-100.08	46.13	0.03	-80.30	9.67e-03	-0.03
9	152	253.33	-100.06	45.68	0.01	-55.46	0.02	-0.03
9	152	296.67	-102.78	45.33	-0.03	-33.43	7.12e-03	-0.03
9	152	340.00	-111.46	45.04	-0.04	-9.77	0.01	-0.03
9	161	0.0	7.69	28.17	0.01	-96.59	0.01	-0.02
9	161	52.50	7.69	28.17	0.01	-96.52	-5.37e-03	-0.02
9	161	105.00	-5.76	23.41	-0.05	-80.52	-0.01	-0.02
9	161	157.50	-13.51	12.83	-0.05	-64.36	-0.04	-0.02
9	161	210.00	-15.70	12.32	-0.06	-47.82	-0.03	-0.02
9	161	253.33	-12.80	11.89	-0.07	-32.66	-0.05	-0.02
9	161	296.67	-6.24	11.53	-0.03	-20.60	-0.08	-9.60e-03
9	161	340.00	-38.12	11.18	0.19	-2.17	-0.03	-9.06e-03
9	162	0.0	-245.64	-27.91	-0.08	95.71	-0.01	0.02

9	162	52.50	-245.64	-27.91	-0.08	95.78	-0.03	0.02
9	162	105.00	-215.48	-23.14	0.03	79.92	-0.03	0.02
9	162	157.50	-195.63	-12.58	0.09	63.90	0.02	0.02
9	162	210.00	-183.67	-12.06	0.11	47.49	0.03	0.02
9	162	253.33	-179.41	-11.64	0.07	32.44	0.06	0.02
9	162	296.67	-182.42	-11.27	-0.04	20.49	0.05	9.02e-03
9	162	340.00	-126.69	-10.92	-0.13	2.17	0.03	8.61e-03
9	176	0.0	-120.82	56.88	-0.03	-171.03	1.45e-03	-0.03
9	176	52.50	-120.82	56.88	-0.03	-170.96	-0.02	-0.03
9	176	105.00	-110.44	53.07	-9.85e-03	-141.68	-0.02	-0.03
9	176	157.50	-104.55	49.07	0.02	-112.80	-0.01	-0.03
9	176	210.00	-101.46	48.49	0.03	-84.12	9.00e-03	-0.03
9	176	253.33	-128.13	48.10	0.01	-58.15	0.02	-0.03
9	176	296.67	-128.96	47.82	-0.03	-35.05	6.65e-03	-0.03
9	176	340.00	-109.28	47.61	-0.04	-10.35	0.01	-0.03
9	184	0.0	-117.74	56.47	-0.02	-169.61	3.86e-03	-0.03
9	184	52.50	-117.74	56.47	-0.02	-169.54	-0.01	-0.03
9	184	105.00	-107.70	52.68	-0.01	-140.47	-0.01	-0.04
9	184	157.50	-102.28	48.68	0.02	-111.80	-2.05e-03	-0.04
9	184	210.00	-99.86	48.08	0.03	-83.32	8.78e-03	-0.03
9	184	253.33	-99.97	47.63	0.01	-57.56	0.02	-0.03
9	184	296.67	-102.80	47.28	-0.03	-34.67	5.15e-03	-0.03
9	184	340.00	-110.54	46.98	-0.04	-10.16	0.01	-0.03
9	193	0.0	7.24	29.06	0.01	-99.37	0.01	-0.02
9	193	52.50	7.24	29.06	0.01	-99.30	-5.33e-03	-0.02
9	193	105.00	-5.83	24.29	-0.05	-82.81	-0.01	-0.02
9	193	157.50	-13.59	13.68	-0.05	-66.18	-0.04	-0.02
9	193	210.00	-16.09	13.23	-0.06	-49.18	-0.02	-0.02
9	193	253.33	-13.76	12.84	-0.06	-33.61	-0.05	-0.02
9	193	296.67	-7.97	12.51	-0.03	-21.12	-0.08	-9.92e-03
9	193	340.00	-38.74	12.18	0.18	-2.39	-0.03	-9.41e-03
9	194	0.0	-245.20	-28.80	-0.08	98.50	-0.01	0.02
9	194	52.50	-245.20	-28.80	-0.08	98.57	-0.03	0.02
9	194	105.00	-215.41	-24.03	0.03	82.21	-0.03	0.02
9	194	157.50	-195.56	-13.43	0.09	65.71	0.02	0.02
9	194	210.00	-183.28	-12.97	0.11	48.84	0.03	0.02
9	194	253.33	-178.45	-12.59	0.06	33.39	0.06	0.02
9	194	296.67	-180.69	-12.25	-0.04	21.01	0.05	9.34e-03
9	194	340.00	-126.08	-11.93	-0.12	2.39	0.03	8.97e-03
9	216	0.0	-116.38	68.25	-0.02	-204.98	4.69e-03	-0.04
9	216	52.50	-116.38	68.25	-0.02	-204.91	-0.01	-0.04
9	216	105.00	-106.29	63.74	-0.01	-169.77	-0.01	-0.04
9	216	157.50	-101.17	59.01	0.02	-135.11	-4.64e-04	-0.04
9	216	210.00	-99.34	58.29	0.03	-100.70	9.77e-03	-0.04
9	216	253.33	-100.20	57.76	0.01	-69.58	0.02	-0.04
9	216	296.67	-103.92	57.35	-0.03	-41.90	7.44e-03	-0.04
9	216	340.00	-115.23	56.99	-0.05	-12.33	0.01	-0.04
9	225	0.0	28.93	34.91	0.02	-119.12	0.01	-0.02
9	225	52.50	28.93	34.91	0.02	-119.05	-3.42e-03	-0.02
9	225	105.00	12.41	29.29	-0.06	-99.25	-9.70e-03	-0.03
9	225	157.50	2.26	16.80	-0.07	-79.30	-0.05	-0.02
9	225	210.00	-1.75	16.30	-0.07	-58.94	-0.03	-0.02
9	225	253.33	-0.03	15.89	-0.07	-40.30	-0.06	-0.02
9	225	296.67	5.93	15.52	-0.03	-25.28	-0.09	-0.01
9	225	340.00	-31.71	15.16	0.21	-3.00	-0.04	-0.01
9	226	0.0	-266.88	-34.65	-0.08	118.25	-0.01	0.02
9	226	52.50	-266.88	-34.65	-0.08	118.32	-0.03	0.02
9	226	105.00	-233.65	-29.03	0.04	98.65	-0.03	0.02
9	226	157.50	-211.40	-16.54	0.10	78.84	0.02	0.02
9	226	210.00	-197.62	-16.05	0.12	58.61	0.03	0.02
9	226	253.33	-192.18	-15.63	0.08	40.08	0.06	0.02
9	226	296.67	-194.60	-15.26	-0.04	25.17	0.06	0.01
9	226	340.00	-133.10	-14.90	-0.15	3.00	0.04	0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-266.88	-34.65	-1.14	-204.98	-0.60	-0.04
	28.93	68.25	1.09	118.32	0.28	0.02

Macro	Tipo	Angolo 1-Z (gradi)
10	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
10	7	340.00	0.66	-2.22	0.40	0.05	0.02	0.30
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2236 DI 2790				

10	7	392.50	0.66	-2.22	0.35	-0.90	0.31	0.39
10	7	445.00	0.61	-1.82	-0.51	-0.53	1.32e-06	0.26
10	22	340.00	0.70	-2.56	0.65	0.03	0.03	0.50
10	22	392.50	0.70	-2.56	0.58	-1.13	0.51	0.66
10	22	445.00	0.62	-2.12	-0.85	-0.78	1.28e-06	0.44
10	42	340.00	1.04	-4.39	-0.31	-0.02	-0.01	-0.25
10	42	392.50	1.04	-4.39	-0.28	-2.18	-0.25	-0.33
10	42	445.00	0.88	-3.70	0.42	-1.77	0.0	-0.22
10	49	340.00	1.02	-4.57	6.61e-03	-0.03	3.13e-04	-5.19e-04
10	49	392.50	1.02	-4.57	6.52e-03	-2.31	1.33e-03	-6.58e-04
10	49	445.00	0.85	-3.85	-2.73e-03	-1.92	1.01e-06	-2.81e-04
10	67	340.00	0.70	-2.62	0.27	0.03	0.01	0.20
10	67	392.50	0.70	-2.62	0.24	-1.17	0.20	0.26
10	67	445.00	0.62	-2.17	-0.34	-0.83	1.15e-06	0.18
10	75	340.00	0.72	-2.85	0.44	0.02	0.02	0.34
10	75	392.50	0.72	-2.85	0.39	-1.33	0.34	0.44
10	75	445.00	0.63	-2.37	-0.57	-0.99	1.12e-06	0.29
10	86	340.00	0.80	-3.46	-0.21	-0.02	-8.73e-03	-0.17
10	86	392.50	0.80	-3.46	-0.18	-1.73	-0.17	-0.22
10	86	445.00	0.67	-2.91	0.28	-1.42	0.0	-0.15
10	89	340.00	0.79	-3.58	4.95e-03	-0.03	2.35e-04	-4.05e-04
10	89	392.50	0.79	-3.58	4.88e-03	-1.82	1.00e-03	-5.14e-04
10	89	445.00	0.66	-3.01	-2.05e-03	-1.52	0.0	-2.25e-04
10	97	340.00	0.79	-3.58	4.95e-03	-0.03	2.35e-04	-4.05e-04
10	97	392.50	0.79	-3.58	4.88e-03	-1.82	1.00e-03	-5.14e-04
10	97	445.00	0.66	-3.01	-2.05e-03	-1.52	0.0	-2.25e-04
10	98	340.00	0.73	-2.91	6.08e-03	0.01	2.85e-04	-3.51e-04
10	98	392.50	0.73	-2.91	6.01e-03	-1.36	1.16e-03	-4.42e-04
10	98	445.00	0.64	-2.43	-2.41e-03	-1.03	0.0	-1.48e-04
10	103	340.00	0.74	-3.00	0.09	7.33e-03	3.89e-03	0.07
10	103	392.50	0.74	-3.00	0.08	-1.43	0.07	0.09
10	103	445.00	0.64	-2.51	-0.12	-1.10	0.0	0.06
10	104	340.00	0.79	-3.56	-0.04	-0.03	-1.56e-03	-0.03
10	104	392.50	0.79	-3.56	-0.03	-1.81	-0.03	-0.04
10	104	445.00	0.66	-3.00	0.05	-1.51	0.0	-0.03
10	106	340.00	0.79	-3.58	4.95e-03	-0.03	2.35e-04	-4.05e-04
10	106	392.50	0.79	-3.58	4.88e-03	-1.82	1.00e-03	-5.14e-04
10	106	445.00	0.66	-3.01	-2.05e-03	-1.52	0.0	-2.25e-04
10	107	340.00	0.74	-3.00	5.92e-03	7.37e-03	2.78e-04	-3.59e-04
10	107	392.50	0.74	-3.00	5.85e-03	-1.43	1.14e-03	-4.52e-04
10	107	445.00	0.64	-2.51	-2.36e-03	-1.10	0.0	-1.59e-04
10	111	340.00	-0.42	-51.52	0.01	0.40	2.92e-03	-0.07
10	111	392.50	-4.60	-52.59	0.13	-47.42	0.01	-0.07
10	111	445.00	-2.05	-46.96	-0.04	-40.95	8.98e-03	-0.06
10	113	340.00	1.90	45.49	-0.06	-0.38	-7.49e-03	0.04
10	113	392.50	6.11	46.56	-0.21	44.58	-0.05	0.04
10	113	445.00	3.35	41.88	0.12	38.76	-0.03	0.04
10	114	340.00	-0.43	-51.50	0.07	0.39	8.05e-03	-0.04
10	114	392.50	-4.64	-52.57	0.22	-47.44	0.05	-0.04
10	114	445.00	-2.07	-46.90	-0.12	-40.97	0.03	-0.04
10	127	340.00	-0.04	-36.79	-0.07	0.29	-5.30e-03	-0.08
10	127	392.50	-2.91	-37.53	-0.05	-33.44	-0.05	-0.08
10	127	445.00	-1.20	-33.54	0.09	-28.85	-0.03	-0.06
10	143	340.00	-0.57	-57.58	0.01	0.45	3.26e-03	-0.08
10	143	392.50	-5.27	-58.78	0.15	-53.15	0.02	-0.08
10	143	445.00	-2.38	-52.51	-0.05	-45.92	0.01	-0.07
10	145	340.00	2.05	51.54	-0.06	-0.43	-8.46e-03	0.05
10	145	392.50	6.79	52.75	-0.23	50.32	-0.06	0.05
10	145	445.00	3.68	47.42	0.13	43.74	-0.04	0.04
10	146	340.00	-0.58	-57.55	0.07	0.44	9.01e-03	-0.05
10	146	392.50	-5.31	-58.76	0.24	-53.18	0.06	-0.05
10	146	445.00	-2.40	-52.45	-0.14	-45.94	0.04	-0.04
10	159	340.00	-0.14	-40.97	-0.08	0.32	-5.98e-03	-0.09
10	159	392.50	-3.37	-41.81	-0.06	-37.41	-0.05	-0.09
10	159	445.00	-1.43	-37.38	0.10	-32.28	-0.03	-0.07
10	175	340.00	-0.51	-54.93	9.81e-03	0.42	3.07e-03	-0.07
10	175	392.50	-4.98	-56.07	0.14	-50.65	0.01	-0.07
10	175	445.00	-2.23	-50.09	-0.04	-43.75	9.42e-03	-0.06
10	177	340.00	1.99	48.90	-0.06	-0.40	-8.11e-03	0.04
10	177	392.50	6.50	50.05	-0.22	47.83	-0.06	0.04
10	177	445.00	3.54	45.00	0.13	41.57	-0.04	0.04
10	178	340.00	-0.51	-54.91	0.07	0.42	8.67e-03	-0.05
10	178	392.50	-5.02	-56.06	0.23	-50.69	0.06	-0.05
10	178	445.00	-2.26	-50.03	-0.13	-43.78	0.04	-0.04
10	191	340.00	-0.10	-39.35	-0.08	0.31	-5.76e-03	-0.08

10	191	392.50	-3.19	-40.15	-0.05	-35.87	-0.05	-0.08
10	191	445.00	-1.34	-35.90	0.10	-30.96	-0.03	-0.07
10	207	340.00	-0.69	-62.50	9.76e-03	0.48	3.44e-03	-0.08
10	207	392.50	-5.81	-63.81	0.16	-57.83	0.02	-0.08
10	207	445.00	-2.65	-57.03	-0.05	-49.97	0.01	-0.07
10	209	340.00	2.17	56.48	-0.07	-0.46	-9.38e-03	0.05
10	209	392.50	7.34	57.79	-0.25	55.02	-0.06	0.05
10	209	445.00	3.96	51.94	0.15	47.80	-0.04	0.05
10	210	340.00	-0.70	-62.49	0.08	0.48	9.93e-03	-0.05
10	210	392.50	-5.86	-63.80	0.26	-57.88	0.07	-0.05
10	210	445.00	-2.68	-56.96	-0.15	-50.01	0.04	-0.05
10	223	340.00	-0.23	-44.79	-0.09	0.36	-6.73e-03	-0.10
10	223	392.50	-3.78	-45.70	-0.06	-41.03	-0.06	-0.10
10	223	445.00	-1.63	-40.90	0.11	-35.42	-0.03	-0.08
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-5.86	-63.81	-0.85	-57.88	-0.25	-0.33
			7.34	57.79	0.65	55.02	0.51	0.66

Macro	Tipo	Angolo 1-Z (gradi)
11	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
11	7	340.00	0.92	-0.70	0.21	0.22	8.98e-03	0.14
11	7	392.50	0.92	-0.70	0.18	0.58	0.16	0.18
11	7	445.00	0.64	-0.25	-0.27	1.65	0.0	0.12
11	15	340.00	1.23	-3.81	0.33	0.09	0.01	0.24
11	15	392.50	1.23	-3.81	0.29	-1.38	0.26	0.32
11	15	445.00	0.88	-2.89	-0.43	-0.35	0.0	0.21
11	33	340.00	1.32	-2.81	-0.38	0.15	-0.02	-0.31
11	33	392.50	1.32	-2.81	-0.34	-0.60	-0.30	-0.41
11	33	445.00	0.92	-2.00	0.50	0.65	0.0	-0.27
11	44	340.00	1.27	-1.29	-0.64	0.26	-0.03	-0.52
11	44	392.50	1.27	-1.29	-0.56	0.52	-0.50	-0.68
11	44	445.00	0.88	-0.65	0.84	1.94	0.0	-0.45
11	67	340.00	0.93	-1.30	0.14	0.18	6.13e-03	0.09
11	67	392.50	0.93	-1.30	0.12	0.14	0.11	0.12
11	67	445.00	0.66	-0.78	-0.18	1.14	0.0	0.08
11	72	340.00	0.95	-3.02	0.22	0.06	9.47e-03	0.16
11	72	392.50	0.95	-3.02	0.20	-1.12	0.17	0.21
11	72	445.00	0.68	-2.30	-0.29	-0.34	0.0	0.14
11	81	340.00	1.01	-2.35	-0.25	0.10	-0.01	-0.21
11	81	392.50	1.01	-2.35	-0.22	-0.60	-0.20	-0.27
11	81	445.00	0.70	-1.70	0.33	0.33	0.0	-0.18
11	88	340.00	0.98	-1.33	-0.42	0.18	-0.02	-0.35
11	88	392.50	0.98	-1.33	-0.37	0.14	-0.33	-0.45
11	88	445.00	0.68	-0.81	0.56	1.19	0.0	-0.30
11	98	340.00	0.95	-1.66	9.01e-03	0.15	6.00e-04	-8.64e-03
11	98	392.50	0.95	-1.66	7.86e-03	-0.12	5.95e-03	-0.01
11	98	445.00	0.67	-1.11	-9.75e-03	0.83	0.0	-7.36e-03
11	99	340.00	0.97	-2.73	6.11e-03	0.08	4.08e-04	-5.89e-03
11	99	392.50	0.97	-2.73	5.33e-03	-0.90	4.07e-03	-7.65e-03
11	99	445.00	0.69	-2.05	-6.67e-03	-0.08	0.0	-5.01e-03
11	102	340.00	0.96	-2.84	0.05	0.07	2.21e-03	0.03
11	102	392.50	0.96	-2.84	0.04	-0.99	0.04	0.04
11	102	445.00	0.68	-2.16	-0.06	-0.19	0.0	0.02
11	105	340.00	0.95	-1.79	-0.08	0.14	-3.05e-03	-0.08
11	105	392.50	0.95	-1.79	-0.07	-0.22	-0.06	-0.10
11	105	445.00	0.67	-1.23	0.10	0.73	0.0	-0.07
11	106	340.00	0.96	-2.80	5.89e-03	0.07	3.94e-04	-5.69e-03
11	106	392.50	0.96	-2.80	5.13e-03	-0.96	3.93e-03	-7.39e-03
11	106	445.00	0.68	-2.12	-6.43e-03	-0.15	0.0	-4.84e-03
11	107	340.00	0.95	-1.82	8.56e-03	0.14	5.70e-04	-8.22e-03
11	107	392.50	0.95	-1.82	7.47e-03	-0.24	5.66e-03	-0.01
11	107	445.00	0.67	-1.25	-9.28e-03	0.69	0.0	-7.00e-03
11	109	340.00	2.48	29.26	0.01	0.23	9.44e-04	-0.10
11	109	392.50	7.00	30.04	0.09	36.32	-0.01	-0.11
11	109	445.00	3.64	28.33	-0.02	32.07	0.01	-0.09
11	110	340.00	-0.59	-32.91	3.19e-03	0.05	1.96e-04	0.09
11	110	392.50	-5.11	-33.69	-0.08	-36.80	0.02	0.09
11	110	445.00	-2.30	-30.83	2.47e-03	-30.69	-0.01	0.08
11	115	340.00	-0.45	-33.30	-0.05	-0.04	-4.94e-03	0.06
11	115	392.50	-5.09	-34.09	-0.15	-37.05	-0.01	0.06

11	115	445.00	-2.32	-31.11	0.08	-30.88	-0.03	0.05
11	117	340.00	2.41	28.14	0.01	0.23	7.58e-04	-0.11
11	117	392.50	6.73	28.89	0.09	34.68	-0.01	-0.11
11	117	445.00	3.50	27.16	-0.02	30.66	0.01	-0.09
11	141	340.00	2.68	33.23	0.01	0.24	9.94e-04	-0.12
11	141	392.50	7.78	34.11	0.11	40.97	-0.02	-0.12
11	141	445.00	4.02	32.10	-0.02	36.07	0.01	-0.10
11	142	340.00	-0.79	-36.87	2.48e-03	0.04	1.46e-04	0.10
11	142	392.50	-5.88	-37.76	-0.09	-41.46	0.03	0.10
11	142	445.00	-2.68	-34.60	4.02e-03	-34.68	-0.01	0.09
11	147	340.00	-0.63	-37.30	-0.06	-0.07	-5.63e-03	0.07
11	147	392.50	-5.86	-38.19	-0.17	-41.73	-0.02	0.06
11	147	445.00	-2.70	-34.91	0.10	-34.90	-0.04	0.06
11	149	340.00	2.61	32.11	0.01	0.24	7.70e-04	-0.12
11	149	392.50	7.49	32.96	0.11	39.30	-0.01	-0.12
11	149	445.00	3.88	30.93	-0.02	34.63	0.01	-0.10
11	173	340.00	2.69	33.49	0.01	0.24	8.90e-04	-0.12
11	173	392.50	7.82	34.38	0.11	41.25	-0.01	-0.12
11	173	445.00	4.04	32.34	-0.02	36.31	0.01	-0.10
11	174	340.00	-0.80	-37.14	3.69e-03	0.04	2.50e-04	0.10
11	174	392.50	-5.93	-38.03	-0.09	-41.74	0.03	0.10
11	174	445.00	-2.70	-34.85	2.87e-03	-34.92	-0.01	0.09
11	179	340.00	-0.63	-37.51	-0.06	-0.07	-5.39e-03	0.07
11	179	392.50	-5.90	-38.41	-0.18	-41.99	-0.02	0.06
11	179	445.00	-2.72	-35.12	0.09	-35.12	-0.04	0.06
11	181	340.00	2.67	33.42	0.01	0.25	6.27e-04	-0.12
11	181	392.50	7.74	34.30	0.11	40.78	-0.01	-0.12
11	181	445.00	4.00	32.15	-0.02	35.91	0.01	-0.11
11	213	340.00	3.03	40.81	0.01	0.27	6.34e-04	-0.14
11	213	392.50	9.16	41.87	0.14	49.37	-0.01	-0.14
11	213	445.00	4.69	39.16	-0.02	43.28	0.01	-0.13
11	214	340.00	-1.13	-44.46	6.11e-03	0.01	5.07e-04	0.13
11	214	392.50	-7.26	-45.52	-0.12	-49.86	0.02	0.12
11	214	445.00	-3.36	-41.66	-2.33e-04	-41.89	-0.01	0.11
11	219	340.00	-0.94	-44.85	-0.07	-0.11	-6.04e-03	0.09
11	219	392.50	-7.22	-45.93	-0.22	-50.13	-0.03	0.08
11	219	445.00	-3.38	-41.95	0.10	-42.11	-0.04	0.08

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.26	-45.93	-0.64	-50.13	-0.50	-0.68
	9.16	41.87	0.84	49.37	0.26	0.32

Macro	Tipo	Angolo 1-Z (gradi)
12	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
12	11	910.00	-1.80	-4.40	1.15	3.71	-1.85e-06	-0.23
12	11	960.00	-1.80	-4.40	1.15	1.51	0.57	-0.37
12	11	1010.00	-3.06	-5.17	0.08	3.20	0.61	-0.41
12	11	1060.00	-2.69	-4.91	-1.11	1.46	0.02	-0.36
12	20	910.00	-1.25	-3.78	1.89	3.30	-1.17e-06	-0.38
12	20	960.00	-1.25	-3.78	1.89	1.41	0.94	-0.62
12	20	1010.00	-1.96	-4.43	0.12	2.08	1.00	-0.68
12	20	1060.00	-1.93	-4.27	-1.82	0.90	0.03	-0.60
12	41	910.00	-1.00	-5.84	-0.93	3.65	-1.66e-06	0.19
12	41	960.00	-1.00	-5.84	-0.93	0.73	-0.47	0.31
12	41	1010.00	-1.67	-7.21	-0.05	0.96	-0.49	0.34
12	41	1060.00	-2.23	-7.23	0.90	0.66	-0.02	0.30
12	47	910.00	-0.67	-4.15	-0.93	2.13	-1.48e-06	0.19
12	47	960.00	-0.67	-4.15	-0.93	0.06	-0.46	0.31
12	47	1010.00	-1.23	-5.15	-0.05	0.44	-0.49	0.34
12	47	1060.00	-1.68	-5.16	0.89	0.42	-0.02	0.31
12	71	910.00	-1.29	-3.55	0.76	2.87	-1.38e-06	-0.15
12	71	960.00	-1.29	-3.55	0.76	1.09	0.38	-0.25
12	71	1010.00	-2.18	-4.20	0.05	2.19	0.41	-0.27
12	71	1060.00	-2.01	-4.04	-0.74	1.02	0.01	-0.24
12	73	910.00	-1.13	-3.94	1.26	3.16	-1.20e-06	-0.25
12	73	960.00	-1.13	-3.94	1.26	1.19	0.63	-0.41
12	73	1010.00	-1.79	-4.68	0.08	1.75	0.67	-0.45
12	73	1060.00	-1.88	-4.56	-1.22	0.80	0.02	-0.40
12	85	910.00	-0.76	-4.51	-0.62	2.82	-1.26e-06	0.13
12	85	960.00	-0.76	-4.51	-0.62	0.57	-0.31	0.20
12	85	1010.00	-1.25	-5.57	-0.03	0.69	-0.33	0.23

12	85	1060.00	-1.70	-5.59	0.60	0.48	-0.01	0.20
12	87	910.00	-0.74	-4.18	-0.61	2.38	-1.41e-06	0.12
12	87	960.00	-0.74	-4.18	-0.61	0.29	-0.31	0.20
12	87	1010.00	-1.31	-5.16	-0.03	0.66	-0.32	0.23
12	87	1060.00	-1.71	-5.15	0.59	0.48	-0.01	0.20
12	101	910.00	-0.90	-4.01	0.01	2.58	-1.37e-06	-1.31e-03
12	101	960.00	-0.90	-4.01	0.01	0.58	5.85e-03	-5.72e-04
12	101	1010.00	-1.53	-4.88	5.20e-03	1.09	8.45e-03	6.47e-04
12	101	1060.00	-1.78	-4.82	-0.01	0.62	4.91e-04	2.13e-03
12	102	910.00	-0.85	-4.30	0.26	2.91	-1.23e-06	-0.05
12	102	960.00	-0.85	-4.30	0.26	0.75	0.13	-0.08
12	102	1010.00	-1.35	-5.24	0.02	0.94	0.14	-0.09
12	102	1060.00	-1.72	-5.21	-0.25	0.53	4.70e-03	-0.08
12	104	910.00	-0.82	-4.39	-0.12	2.88	-1.24e-06	0.02
12	104	960.00	-0.82	-4.39	-0.12	0.68	-0.06	0.04
12	104	1010.00	-1.32	-5.37	-3.93e-03	0.85	-0.06	0.05
12	104	1060.00	-1.71	-5.36	0.11	0.52	-1.90e-03	0.04
12	105	910.00	-0.80	-4.11	-0.11	2.49	-1.37e-06	0.02
12	105	960.00	-0.80	-4.11	-0.11	0.44	-0.06	0.04
12	105	1010.00	-1.37	-5.02	-2.59e-03	0.82	-0.06	0.05
12	105	1060.00	-1.72	-4.99	0.11	0.52	-1.72e-03	0.04
12	106	910.00	-0.83	-4.35	7.51e-03	2.89	-1.23e-06	-8.51e-04
12	106	960.00	-0.83	-4.35	7.53e-03	0.71	3.76e-03	-3.36e-04
12	106	1010.00	-1.33	-5.32	3.74e-03	0.89	5.63e-03	4.93e-04
12	106	1060.00	-1.72	-5.30	-8.27e-03	0.52	3.06e-04	1.55e-03
12	107	910.00	-0.82	-4.08	0.01	2.51	-1.36e-06	-1.25e-03
12	107	960.00	-0.82	-4.08	0.01	0.47	5.78e-03	-5.08e-04
12	107	1010.00	-1.38	-4.97	5.07e-03	0.86	8.31e-03	6.93e-04
12	107	1060.00	-1.72	-4.93	-0.01	0.52	4.81e-04	2.14e-03
12	111	910.00	3.96	-19.01	-0.09	23.46	-0.03	0.02
12	111	960.00	3.96	-19.01	-0.09	21.43	-0.02	0.02
12	111	1010.00	1.94	-20.47	5.13e-03	16.20	-0.05	0.05
12	111	1060.00	-2.26	-18.83	0.12	2.63	-0.02	0.06
12	124	910.00	-7.34	7.84	0.50	-7.97	0.12	-0.07
12	124	960.00	-7.34	7.84	0.50	-10.01	0.13	-0.08
12	124	1010.00	-5.76	7.78	9.23e-03	-7.28	0.26	-0.12
12	124	1060.00	-1.88	6.79	-0.48	5.04e-03	0.09	-0.12
12	127	910.00	5.71	-15.99	-0.48	12.99	-0.12	0.07
12	127	960.00	5.71	-15.99	-0.48	10.95	-0.12	0.08
12	127	1010.00	2.99	-17.71	9.14e-04	8.99	-0.24	0.12
12	127	1060.00	-1.57	-16.65	0.46	1.04	-0.09	0.13
12	139	910.00	-0.84	-1.04	-0.52	-4.42	-0.13	0.09
12	139	960.00	-0.84	-1.04	-0.52	-6.46	-0.13	0.10
12	139	1010.00	-1.39	-2.03	-3.29e-03	-4.25	-0.26	0.13
12	139	1060.00	-1.46	-3.32	0.50	-0.37	-0.10	0.14
12	143	910.00	4.55	-20.87	-0.11	26.07	-0.03	0.02
12	143	960.00	4.55	-20.87	-0.11	24.04	-0.03	0.02
12	143	1010.00	2.36	-22.39	5.13e-03	18.11	-0.06	0.06
12	143	1060.00	-2.33	-20.56	0.13	2.89	-0.03	0.07
12	156	910.00	-8.14	9.31	0.57	-9.28	0.14	-0.08
12	156	960.00	-8.14	9.31	0.57	-11.32	0.15	-0.09
12	156	1010.00	-6.29	9.35	9.74e-03	-8.29	0.29	-0.13
12	156	1060.00	-1.90	8.24	-0.54	-0.06	0.10	-0.14
12	159	910.00	6.51	-17.46	-0.54	14.29	-0.14	0.08
12	159	960.00	6.51	-17.46	-0.54	12.26	-0.13	0.09
12	159	1010.00	3.52	-19.29	4.05e-04	10.00	-0.27	0.13
12	159	1060.00	-1.55	-18.10	0.52	1.11	-0.10	0.14
12	171	910.00	-0.84	-0.64	-0.59	-5.32	-0.15	0.10
12	171	960.00	-0.84	-0.64	-0.59	-7.36	-0.14	0.11
12	171	1010.00	-1.39	-1.65	-4.35e-03	-4.91	-0.29	0.15
12	171	1060.00	-1.43	-3.10	0.56	-0.49	-0.11	0.16
12	175	910.00	4.25	-19.89	-0.11	24.71	-0.03	0.02
12	175	960.00	4.25	-19.89	-0.11	22.68	-0.03	0.02
12	175	1010.00	2.15	-21.38	4.93e-03	17.12	-0.06	0.06
12	175	1060.00	-2.29	-19.64	0.13	2.75	-0.03	0.07
12	188	910.00	-7.78	8.75	0.55	-8.81	0.14	-0.08
12	188	960.00	-7.78	8.75	0.55	-10.85	0.14	-0.09
12	188	1010.00	-6.04	8.77	9.59e-03	-7.94	0.28	-0.13
12	188	1060.00	-1.88	7.72	-0.53	-0.04	0.10	-0.14
12	191	910.00	6.15	-16.90	-0.53	13.83	-0.14	0.08
12	191	960.00	6.15	-16.90	-0.53	11.79	-0.13	0.09
12	191	1010.00	3.27	-18.71	5.51e-04	9.65	-0.27	0.13
12	191	1060.00	-1.56	-17.59	0.50	1.09	-0.10	0.14
12	203	910.00	-0.84	-0.59	-0.58	-5.45	-0.15	0.10
12	203	960.00	-0.84	-0.59	-0.58	-7.49	-0.14	0.11

12	203	1010.00	-1.38	-1.60	-4.37e-03	-5.01	-0.29	0.14
12	203	1060.00	-1.42	-2.99	0.55	-0.51	-0.11	0.15
12	207	910.00	4.98	-22.09	-0.13	27.82	-0.04	0.02
12	207	960.00	4.98	-22.09	-0.13	25.78	-0.03	0.03
12	207	1010.00	2.65	-23.67	4.79e-03	19.39	-0.07	0.07
12	207	1060.00	-2.36	-21.69	0.15	3.06	-0.03	0.08
12	220	910.00	-8.81	10.66	0.64	-10.51	0.16	-0.09
12	220	960.00	-8.81	10.66	0.64	-12.54	0.16	-0.10
12	220	1010.00	-6.72	10.84	0.01	-9.26	0.33	-0.15
12	220	1060.00	-1.91	9.63	-0.61	-0.13	0.11	-0.16
12	223	910.00	7.17	-18.81	-0.62	15.52	-0.16	0.09
12	223	960.00	7.17	-18.81	-0.62	13.48	-0.15	0.10
12	223	1010.00	3.95	-20.78	-1.63e-04	10.97	-0.31	0.15
12	223	1060.00	-1.54	-19.50	0.59	1.17	-0.11	0.16
12	235	910.00	-0.83	-0.01	-0.67	-6.80	-0.17	0.12
12	235	960.00	-0.83	-0.01	-0.67	-8.84	-0.17	0.12
12	235	1010.00	-1.37	-1.05	-5.95e-03	-6.01	-0.34	0.17
12	235	1060.00	-1.37	-2.64	0.65	-0.68	-0.12	0.18

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-8.81	-23.67	-1.82	-12.54	-0.49	-0.68
	7.17	10.84	1.89	27.82	1.00	0.34

Macro	Tipo	Angolo 1-Z (gradi)
13	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
13	4	0.0	-815.63	-21.61	-5.60e-03	128.56	0.0	-3.41e-04
13	4	52.50	-815.63	-21.61	-5.60e-03	139.89	-2.94e-03	-6.51e-04
13	4	105.00	-830.42	-20.36	-2.38e-03	120.36	-4.19e-03	-9.42e-04
13	4	157.50	-840.60	-18.86	-1.01e-04	108.37	-4.24e-03	-1.30e-03
13	4	210.00	-848.22	-17.30	1.32e-03	100.16	-3.54e-03	-1.62e-03
13	4	253.33	-852.71	-16.01	2.32e-03	94.13	-2.53e-03	-1.88e-03
13	4	253.33	-852.71	-16.01	2.32e-03	94.13	-2.53e-03	-1.88e-03
13	4	296.67	-854.83	-14.86	3.19e-03	95.43	-1.16e-03	-2.01e-03
13	4	296.67	-854.83	-14.86	3.19e-03	95.43	-1.16e-03	-2.01e-03
13	4	340.00	-769.73	-13.97	3.36e-03	256.38	-1.09e-05	-1.65e-03
13	45	0.0	-285.31	33.31	-1.31e-03	102.35	0.0	-3.03e-04
13	45	52.50	-285.31	33.31	-1.31e-03	84.87	-6.86e-04	-4.65e-04
13	45	105.00	-284.52	29.21	-5.20e-04	68.21	-9.60e-04	-5.08e-04
13	45	157.50	-283.02	24.12	4.45e-05	55.52	-9.38e-04	-5.90e-04
13	45	210.00	-281.39	18.80	4.03e-04	45.86	-7.28e-04	-6.70e-04
13	45	253.33	-279.41	13.93	6.42e-04	39.71	-4.51e-04	-7.38e-04
13	45	253.33	-279.41	13.93	6.42e-04	39.71	-4.51e-04	-7.38e-04
13	45	296.67	-277.90	9.86	7.76e-04	37.09	-1.20e-04	-7.71e-04
13	45	296.67	-277.90	9.86	7.76e-04	37.09	-1.20e-04	-7.71e-04
13	45	340.00	-248.79	6.30	3.62e-05	85.89	5.81e-06	-6.18e-04
13	52	0.0	-817.67	-5.08	-6.68e-03	159.39	0.0	-3.61e-04
13	52	52.50	-817.67	-5.08	-6.68e-03	162.05	-3.51e-03	-7.14e-04
13	52	105.00	-830.16	-5.07	-2.76e-03	138.64	-4.95e-03	-1.06e-03
13	52	157.50	-838.39	-5.10	-4.51e-06	122.93	-4.96e-03	-1.48e-03
13	52	210.00	-844.33	-5.13	1.67e-03	111.37	-4.08e-03	-1.85e-03
13	52	253.33	-847.47	-5.28	2.76e-03	103.12	-2.88e-03	-2.13e-03
13	52	253.33	-847.47	-5.28	2.76e-03	103.12	-2.88e-03	-2.13e-03
13	52	296.67	-848.55	-5.35	3.63e-03	102.17	-1.32e-03	-2.27e-03
13	52	296.67	-848.55	-5.35	3.63e-03	102.17	-1.32e-03	-2.27e-03
13	52	340.00	-764.10	-5.51	3.51e-03	258.18	-4.33e-06	-1.85e-03
13	68	0.0	-570.18	-14.53	-3.90e-03	89.90	0.0	-2.50e-04
13	68	52.50	-570.18	-14.53	-3.90e-03	97.52	-2.05e-03	-4.72e-04
13	68	105.00	-580.33	-13.69	-1.66e-03	83.66	-2.92e-03	-6.72e-04
13	68	157.50	-587.26	-12.69	-7.71e-05	75.10	-2.96e-03	-9.19e-04
13	68	210.00	-592.41	-11.65	9.19e-04	69.21	-2.48e-03	-1.15e-03
13	68	253.33	-595.35	-10.80	1.62e-03	64.84	-1.77e-03	-1.33e-03
13	68	253.33	-595.35	-10.80	1.62e-03	64.84	-1.77e-03	-1.33e-03
13	68	296.67	-596.73	-10.03	2.23e-03	65.69	-8.09e-04	-1.42e-03
13	68	296.67	-596.73	-10.03	2.23e-03	65.69	-8.09e-04	-1.42e-03
13	68	340.00	-536.98	-9.44	2.32e-03	178.33	-7.46e-06	-1.17e-03
13	85	0.0	-304.91	21.60	-1.72e-03	88.46	0.0	-2.74e-04
13	85	52.50	-304.91	21.60	-1.71e-03	77.12	-9.00e-04	-4.36e-04
13	85	105.00	-305.98	18.87	-7.08e-04	62.55	-1.27e-03	-5.06e-04
13	85	157.50	-305.95	15.48	1.20e-05	51.75	-1.27e-03	-6.13e-04
13	85	210.00	-305.50	11.92	4.70e-04	43.58	-1.02e-03	-7.16e-04
13	85	253.33	-304.37	8.66	7.86e-04	38.16	-6.81e-04	-8.01e-04

13	85	253.33	-304.37	8.66	7.86e-04	38.16	-6.81e-04	-8.01e-04
13	85	296.67	-303.39	5.94	1.00e-03	36.29	-2.52e-04	-8.42e-04
13	85	296.67	-303.39	5.94	1.00e-03	36.29	-2.52e-04	-8.42e-04
13	85	340.00	-271.51	3.54	4.57e-04	91.46	3.13e-06	-6.80e-04
13	92	0.0	-571.54	-3.51	-4.62e-03	110.45	0.0	-2.64e-04
13	92	52.50	-571.54	-3.51	-4.62e-03	112.29	-2.42e-03	-5.14e-04
13	92	105.00	-580.16	-3.50	-1.91e-03	95.84	-3.43e-03	-7.54e-04
13	92	157.50	-585.79	-3.52	-1.25e-05	84.80	-3.44e-03	-1.04e-03
13	92	210.00	-589.82	-3.54	1.15e-03	76.68	-2.83e-03	-1.30e-03
13	92	253.33	-591.86	-3.65	1.91e-03	70.83	-2.00e-03	-1.50e-03
13	92	253.33	-591.86	-3.65	1.91e-03	70.83	-2.00e-03	-1.50e-03
13	92	296.67	-592.54	-3.69	2.52e-03	70.18	-9.15e-04	-1.59e-03
13	92	296.67	-592.54	-3.69	2.52e-03	70.18	-9.15e-04	-1.59e-03
13	92	340.00	-533.23	-3.80	2.42e-03	179.52	-3.07e-06	-1.30e-03
13	98	0.0	-473.24	-2.77	-3.76e-03	89.05	0.0	-2.34e-04
13	98	52.50	-473.24	-2.77	-3.75e-03	90.50	-1.97e-03	-4.44e-04
13	98	105.00	-480.20	-2.77	-1.57e-03	76.67	-2.79e-03	-6.37e-04
13	98	157.50	-484.66	-2.78	-2.48e-05	67.37	-2.81e-03	-8.71e-04
13	98	210.00	-487.76	-2.80	9.27e-04	60.51	-2.32e-03	-1.08e-03
13	98	253.33	-489.17	-2.88	1.57e-03	55.49	-1.64e-03	-1.25e-03
13	98	253.33	-489.17	-2.88	1.57e-03	55.49	-1.64e-03	-1.25e-03
13	98	296.67	-489.59	-2.92	2.07e-03	54.96	-7.49e-04	-1.33e-03
13	98	296.67	-489.59	-2.92	2.07e-03	54.96	-7.49e-04	-1.33e-03
13	98	340.00	-439.75	-3.01	1.95e-03	146.38	-2.59e-06	-1.08e-03
13	103	0.0	-448.38	-6.27	-3.29e-03	76.95	0.0	-2.25e-04
13	103	52.50	-448.38	-6.27	-3.29e-03	80.24	-1.73e-03	-4.17e-04
13	103	105.00	-455.44	-5.99	-1.39e-03	67.93	-2.46e-03	-5.84e-04
13	103	157.50	-460.03	-5.66	-5.11e-05	59.90	-2.48e-03	-7.90e-04
13	103	210.00	-463.28	-5.33	7.91e-04	54.10	-2.07e-03	-9.79e-04
13	103	253.33	-464.83	-5.09	1.38e-03	49.78	-1.47e-03	-1.13e-03
13	103	253.33	-464.83	-5.09	1.38e-03	49.78	-1.47e-03	-1.13e-03
13	103	296.67	-465.42	-4.85	1.86e-03	49.79	-6.70e-04	-1.20e-03
13	103	296.67	-465.42	-4.85	1.86e-03	49.79	-6.70e-04	-1.20e-03
13	103	340.00	-417.82	-4.70	1.79e-03	137.80	-3.97e-06	-9.86e-04
13	104	0.0	-302.91	3.08	-2.07e-03	59.56	0.0	-2.18e-04
13	104	52.50	-302.91	3.08	-2.07e-03	57.94	-1.09e-03	-3.68e-04
13	104	105.00	-306.37	2.54	-8.89e-04	47.64	-1.55e-03	-4.64e-04
13	104	157.50	-308.27	1.85	-4.41e-05	40.50	-1.58e-03	-5.94e-04
13	104	210.00	-309.38	1.13	5.03e-04	35.18	-1.31e-03	-7.17e-04
13	104	253.33	-309.40	0.44	8.97e-04	31.25	-9.24e-04	-8.17e-04
13	104	253.33	-309.40	0.44	8.97e-04	31.25	-9.24e-04	-8.17e-04
13	104	296.67	-309.19	-0.12	1.21e-03	30.63	-4.05e-04	-8.67e-04
13	104	296.67	-309.19	-0.12	1.21e-03	30.63	-4.05e-04	-8.67e-04
13	104	340.00	-276.26	-0.65	9.64e-04	89.62	0.0	-7.08e-04
13	106	0.0	-302.42	-1.55	-2.16e-03	52.33	0.0	-2.04e-04
13	106	52.50	-302.42	-1.55	-2.16e-03	53.14	-1.13e-03	-3.51e-04
13	106	105.00	-306.47	-1.54	-9.35e-04	43.92	-1.63e-03	-4.54e-04
13	106	157.50	-308.86	-1.55	-5.82e-05	37.69	-1.66e-03	-5.89e-04
13	106	210.00	-310.36	-1.56	5.11e-04	33.08	-1.39e-03	-7.17e-04
13	106	253.33	-310.66	-1.62	9.25e-04	29.52	-9.85e-04	-8.21e-04
13	106	253.33	-310.66	-1.62	9.25e-04	29.52	-9.85e-04	-8.21e-04
13	106	296.67	-310.64	-1.64	1.26e-03	29.22	-4.44e-04	-8.74e-04
13	106	296.67	-310.64	-1.64	1.26e-03	29.22	-4.44e-04	-8.74e-04
13	106	340.00	-277.45	-1.69	1.09e-03	89.16	-1.98e-06	-7.15e-04
13	107	0.0	-448.84	-2.60	-3.53e-03	83.81	0.0	-2.29e-04
13	107	52.50	-448.84	-2.60	-3.53e-03	85.16	-1.85e-03	-4.31e-04
13	107	105.00	-455.38	-2.59	-1.48e-03	71.99	-2.63e-03	-6.11e-04
13	107	157.50	-459.54	-2.60	-2.95e-05	63.13	-2.64e-03	-8.30e-04
13	107	210.00	-462.42	-2.62	8.68e-04	56.59	-2.19e-03	-1.03e-03
13	107	253.33	-463.67	-2.70	1.47e-03	51.78	-1.55e-03	-1.18e-03
13	107	253.33	-463.67	-2.70	1.47e-03	51.78	-1.55e-03	-1.18e-03
13	107	296.67	-464.03	-2.74	1.96e-03	51.28	-7.05e-04	-1.26e-03
13	107	296.67	-464.03	-2.74	1.96e-03	51.28	-7.05e-04	-1.26e-03
13	107	340.00	-416.57	-2.82	1.82e-03	138.20	-2.50e-06	-1.03e-03
13	120	0.0	-454.93	-73.07	-0.80	-74.55	-0.20	0.11
13	120	52.50	-454.93	-73.07	-0.80	-73.19	-0.21	0.09
13	120	105.00	-467.06	-72.89	0.01	-65.12	-0.41	0.01
13	120	157.50	-479.14	-72.76	0.29	-51.24	-0.31	-0.09
13	120	210.00	-490.11	-72.66	0.33	-36.20	-0.12	-0.16
13	120	253.33	-509.80	-72.96	0.07	-5.00	-0.10	-0.21
13	120	253.33	-509.80	-72.96	0.07	-5.00	-0.10	-0.21
13	120	296.67	-509.67	-72.54	0.05	-3.16	0.08	-0.24
13	120	296.67	-509.67	-72.54	0.05	-3.16	0.08	-0.24
13	120	340.00	-465.77	-72.40	-0.24	105.20	0.06	-0.24
13	132	0.0	-462.48	-130.56	-0.61	-230.26	-0.16	0.05

13	132	52.50	-462.48	-130.56	-0.61	-228.91	-0.16	0.04
13	132	105.00	-484.72	-130.20	-0.10	-197.33	-0.33	-8.92e-03
13	132	157.50	-503.86	-129.93	0.11	-164.54	-0.30	-0.05
13	132	210.00	-521.51	-129.69	0.21	-131.64	-0.25	-0.09
13	132	253.33	-552.02	-130.09	0.14	-77.50	-0.21	-0.12
13	132	253.33	-552.02	-130.09	0.14	-77.50	-0.21	-0.12
13	132	296.67	-546.75	-129.28	0.16	-69.73	-0.05	-0.14
13	132	296.67	-546.75	-129.28	0.16	-69.73	-0.05	-0.14
13	132	340.00	-508.92	-128.91	0.03	54.30	1.16e-03	-0.14
13	135	0.0	-435.20	125.37	0.61	397.87	0.16	-0.05
13	135	52.50	-435.20	125.37	0.61	399.23	0.16	-0.04
13	135	105.00	-426.05	125.02	0.10	341.31	0.33	7.70e-03
13	135	157.50	-415.23	124.72	-0.11	290.80	0.29	0.05
13	135	210.00	-403.33	124.45	-0.20	244.83	0.24	0.09
13	135	253.33	-375.32	124.68	-0.14	181.07	0.21	0.12
13	135	253.33	-375.32	124.68	-0.14	181.07	0.21	0.12
13	135	296.67	-381.31	123.81	-0.15	172.30	0.05	0.14
13	135	296.67	-381.31	123.81	-0.15	172.30	0.05	0.14
13	135	340.00	-324.21	123.26	-0.02	222.10	-1.17e-03	0.14
13	136	0.0	-462.24	-130.72	-0.59	-231.06	-0.15	0.05
13	136	52.50	-462.24	-130.72	-0.59	-229.70	-0.15	0.04
13	136	105.00	-481.98	-130.35	-0.05	-200.73	-0.32	-0.02
13	136	157.50	-500.58	-130.08	0.12	-168.62	-0.28	-0.06
13	136	210.00	-518.58	-129.84	0.21	-136.04	-0.16	-0.09
13	136	253.33	-551.53	-130.24	0.10	-78.21	-0.14	-0.12
13	136	253.33	-551.53	-130.24	0.10	-78.21	-0.14	-0.12
13	136	296.67	-549.89	-129.44	0.10	-75.70	-4.07e-03	-0.14
13	136	296.67	-549.89	-129.44	0.10	-75.70	-4.07e-03	-0.14
13	136	340.00	-508.70	-129.06	-0.06	53.82	0.02	-0.14
13	152	0.0	-455.62	-82.09	-0.92	-94.69	-0.23	0.12
13	152	52.50	-455.62	-82.09	-0.92	-93.33	-0.24	0.11
13	152	105.00	-468.51	-81.88	9.44e-03	-82.49	-0.47	0.01
13	152	157.50	-481.59	-81.74	0.32	-65.68	-0.35	-0.10
13	152	210.00	-493.60	-81.63	0.38	-47.87	-0.14	-0.18
13	152	253.33	-515.62	-81.95	0.09	-12.08	-0.12	-0.24
13	152	253.33	-515.62	-81.95	0.09	-12.08	-0.12	-0.24
13	152	296.67	-515.41	-81.48	0.06	-9.95	0.09	-0.27
13	152	296.67	-515.41	-81.48	0.06	-9.95	0.09	-0.27
13	152	340.00	-471.98	-81.31	-0.26	101.14	0.07	-0.27
13	164	0.0	-464.15	-146.62	-0.69	-269.61	-0.18	0.06
13	164	52.50	-464.15	-146.62	-0.69	-268.25	-0.18	0.05
13	164	105.00	-488.35	-146.21	-0.12	-231.06	-0.38	-9.96e-03
13	164	157.50	-509.38	-145.90	0.12	-193.04	-0.34	-0.06
13	164	210.00	-528.88	-145.63	0.23	-155.19	-0.28	-0.11
13	164	253.33	-563.04	-146.06	0.16	-93.67	-0.24	-0.14
13	164	253.33	-563.04	-146.06	0.16	-93.67	-0.24	-0.14
13	164	296.67	-557.07	-145.16	0.18	-84.85	-0.06	-0.16
13	164	296.67	-557.07	-145.16	0.18	-84.85	-0.06	-0.16
13	164	340.00	-520.46	-144.72	0.03	43.83	1.17e-03	-0.16
13	167	0.0	-433.53	141.42	0.69	437.22	0.18	-0.06
13	167	52.50	-433.53	141.42	0.69	438.57	0.18	-0.05
13	167	105.00	-422.41	141.03	0.12	375.04	0.37	8.74e-03
13	167	157.50	-409.71	140.69	-0.12	319.31	0.33	0.06
13	167	210.00	-395.96	140.39	-0.23	268.38	0.27	0.10
13	167	253.33	-364.29	140.66	-0.16	197.23	0.23	0.14
13	167	253.33	-364.29	140.66	-0.16	197.23	0.23	0.14
13	167	296.67	-370.98	139.68	-0.17	187.42	0.06	0.16
13	167	296.67	-370.98	139.68	-0.17	187.42	0.06	0.16
13	167	340.00	-312.67	139.08	-0.03	232.57	-1.17e-03	0.16
13	168	0.0	-463.88	-146.83	-0.67	-270.57	-0.17	0.06
13	168	52.50	-463.88	-146.83	-0.67	-269.21	-0.17	0.05
13	168	105.00	-485.29	-146.42	-0.06	-234.94	-0.36	-0.02
13	168	157.50	-505.71	-146.11	0.13	-197.67	-0.32	-0.06
13	168	210.00	-525.61	-145.84	0.24	-160.16	-0.19	-0.11
13	168	253.33	-562.52	-146.28	0.11	-94.47	-0.16	-0.14
13	168	253.33	-562.52	-146.28	0.11	-94.47	-0.16	-0.14
13	168	296.67	-560.62	-145.37	0.11	-91.56	-5.56e-03	-0.16
13	168	296.67	-560.62	-145.37	0.11	-91.56	-5.56e-03	-0.16
13	168	340.00	-520.23	-144.94	-0.06	43.29	0.02	-0.16
13	184	0.0	-454.99	-82.64	-1.01	-94.88	-0.26	0.13
13	184	52.50	-454.99	-82.64	-1.01	-93.52	-0.26	0.11
13	184	105.00	-468.31	-82.43	-0.01	-82.01	-0.52	0.01
13	184	157.50	-481.44	-82.29	0.33	-65.01	-0.41	-0.11
13	184	210.00	-493.51	-82.17	0.41	-46.91	-0.18	-0.19
13	184	253.33	-515.39	-82.50	0.12	-11.08	-0.15	-0.25

13	184	253.33	-515.39	-82.50	0.12	-11.08	-0.15	-0.25
13	184	296.67	-515.05	-82.03	0.09	-8.86	0.07	-0.28
13	184	296.67	-515.05	-82.03	0.09	-8.86	0.07	-0.28
13	184	340.00	-471.75	-81.86	-0.25	102.17	0.06	-0.28
13	196	0.0	-463.65	-145.12	-0.72	-265.44	-0.18	0.06
13	196	52.50	-463.65	-145.12	-0.72	-264.08	-0.19	0.05
13	196	105.00	-487.59	-144.72	-0.13	-227.48	-0.39	-0.01
13	196	157.50	-508.44	-144.41	0.12	-189.91	-0.35	-0.06
13	196	210.00	-527.75	-144.14	0.24	-152.49	-0.29	-0.11
13	196	253.33	-561.53	-144.57	0.17	-91.62	-0.24	-0.14
13	196	253.33	-561.53	-144.57	0.17	-91.62	-0.24	-0.14
13	196	296.67	-555.73	-143.68	0.19	-83.09	-0.07	-0.16
13	196	296.67	-555.73	-143.68	0.19	-83.09	-0.07	-0.16
13	196	340.00	-518.93	-143.25	0.04	45.33	-1.36e-04	-0.16
13	200	0.0	-463.43	-145.70	-0.70	-267.16	-0.18	0.06
13	200	52.50	-463.43	-145.70	-0.70	-265.80	-0.18	0.05
13	200	105.00	-484.80	-145.29	-0.07	-231.78	-0.38	-0.02
13	200	157.50	-505.08	-144.98	0.14	-194.86	-0.34	-0.06
13	200	210.00	-524.84	-144.71	0.25	-157.61	-0.21	-0.11
13	200	253.33	-561.31	-145.15	0.13	-92.60	-0.17	-0.15
13	200	253.33	-561.31	-145.15	0.13	-92.60	-0.17	-0.15
13	200	296.67	-559.37	-144.25	0.12	-89.66	-0.01	-0.16
13	200	296.67	-559.37	-144.25	0.12	-89.66	-0.01	-0.16
13	200	340.00	-519.00	-143.82	-0.05	44.71	0.02	-0.16
13	203	0.0	-434.24	140.51	0.70	434.77	0.18	-0.06
13	203	52.50	-434.24	140.51	0.70	436.13	0.18	-0.05
13	203	105.00	-425.97	140.11	0.07	375.77	0.38	0.02
13	203	157.50	-414.01	139.78	-0.14	321.12	0.33	0.06
13	203	210.00	-399.99	139.47	-0.25	270.80	0.20	0.11
13	203	253.33	-366.03	139.74	-0.12	196.17	0.16	0.14
13	203	253.33	-366.03	139.74	-0.12	196.17	0.16	0.14
13	203	296.67	-368.69	138.78	-0.12	192.23	0.01	0.16
13	203	296.67	-368.69	138.78	-0.12	192.23	0.01	0.16
13	203	340.00	-314.13	138.18	0.06	231.70	-0.02	0.16
13	216	0.0	-455.82	-97.48	-1.24	-127.30	-0.32	0.15
13	216	52.50	-455.82	-97.48	-1.24	-125.94	-0.32	0.13
13	216	105.00	-470.57	-97.24	-0.02	-109.63	-0.64	0.01
13	216	157.50	-485.34	-97.06	0.40	-87.82	-0.51	-0.13
13	216	210.00	-499.13	-96.93	0.51	-65.10	-0.23	-0.23
13	216	253.33	-524.72	-97.30	0.15	-21.82	-0.18	-0.30
13	216	253.33	-524.72	-97.30	0.15	-21.82	-0.18	-0.30
13	216	296.67	-524.21	-96.74	0.12	-19.06	0.08	-0.34
13	216	296.67	-524.21	-96.74	0.12	-19.06	0.08	-0.34
13	216	340.00	-481.74	-96.52	-0.29	96.31	0.08	-0.34
13	232	0.0	-465.75	-169.84	-0.85	-325.86	-0.22	0.07
13	232	52.50	-465.75	-169.84	-0.85	-324.50	-0.22	0.06
13	232	105.00	-489.66	-169.36	-0.09	-282.46	-0.46	-0.02
13	232	157.50	-512.64	-169.00	0.17	-237.81	-0.41	-0.08
13	232	210.00	-535.25	-168.68	0.31	-193.16	-0.25	-0.13
13	232	253.33	-577.63	-169.18	0.15	-116.38	-0.20	-0.17
13	232	253.33	-577.63	-169.18	0.15	-116.38	-0.20	-0.17
13	232	296.67	-575.29	-168.13	0.15	-112.83	-0.02	-0.20
13	232	296.67	-575.29	-168.13	0.15	-112.83	-0.02	-0.20
13	232	340.00	-536.15	-167.61	-0.06	29.46	0.02	-0.20
13	235	0.0	-431.93	164.65	0.84	493.47	0.22	-0.07
13	235	52.50	-431.93	164.65	0.84	494.83	0.22	-0.06
13	235	105.00	-421.11	164.18	0.08	426.45	0.45	0.02
13	235	157.50	-406.44	163.79	-0.17	364.07	0.40	0.07
13	235	210.00	-389.58	163.44	-0.30	306.35	0.25	0.13
13	235	253.33	-349.70	163.77	-0.15	219.94	0.20	0.17
13	235	253.33	-349.70	163.77	-0.15	219.94	0.20	0.17
13	235	296.67	-352.77	162.65	-0.15	215.40	0.01	0.19
13	235	296.67	-352.77	162.65	-0.15	215.40	0.01	0.19
13	235	340.00	-296.98	161.97	0.07	246.95	-0.02	0.19
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-854.83	-169.84	-1.24	-325.86	-0.64	-0.34
			-248.79	164.65	0.84	494.83	0.45	0.19

Macro	Tipo	Angolo 1-Z (gradi)
14	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2244 DI 2790				

14	4	0.0	-580.70	-1.94	-0.02	-425.81	0.0	2.33e-06
14	4	52.50	-580.70	-1.94	-0.02	-424.79	-0.01	7.90e-04
14	4	105.00	-584.12	-1.83	-1.03e-03	-413.85	-0.01	2.12e-03
14	4	157.50	-584.78	-1.69	0.02	-408.04	-1.76e-03	3.25e-03
14	4	210.00	-583.65	-1.55	0.04	-405.62	0.02	3.76e-03
14	4	253.33	-581.18	-1.28	-1.33e-03	-405.27	0.02	8.74e-04
14	4	253.33	-581.18	-1.28	-1.33e-03	-405.27	0.02	8.74e-04
14	4	296.67	-578.90	-1.02	-0.02	-406.92	9.45e-03	-1.02e-03
14	4	296.67	-578.90	-1.02	-0.02	-406.92	9.45e-03	-1.02e-03
14	4	340.00	-526.36	-0.82	-0.02	-501.81	1.00e-04	-2.40e-03
14	19	0.0	-197.94	-18.60	-6.72e-03	-168.55	0.0	3.60e-04
14	19	52.50	-197.94	-18.60	-6.72e-03	-158.79	-3.53e-03	7.61e-04
14	19	105.00	-196.19	-18.52	9.71e-05	-149.44	-3.48e-03	1.16e-03
14	19	157.50	-193.52	-18.46	6.26e-03	-141.82	-1.92e-04	1.50e-03
14	19	210.00	-190.24	-18.40	0.01	-135.35	6.49e-03	1.62e-03
14	19	253.33	-186.56	-18.33	4.95e-04	-130.61	6.67e-03	6.99e-04
14	19	253.33	-186.56	-18.33	4.95e-04	-130.61	6.67e-03	6.99e-04
14	19	296.67	-183.67	-18.26	-7.25e-03	-126.64	3.49e-03	-6.21e-05
14	19	296.67	-183.67	-18.26	-7.25e-03	-126.64	3.49e-03	-6.21e-05
14	19	340.00	-161.37	-18.19	-7.90e-03	-157.96	5.29e-05	-7.57e-04
14	28	0.0	-582.25	25.75	-0.02	-406.74	0.0	-7.36e-05
14	28	52.50	-582.25	25.75	-0.02	-420.26	-0.01	6.69e-04
14	28	105.00	-588.64	25.82	-1.72e-03	-418.36	-0.01	1.97e-03
14	28	157.50	-592.26	25.93	0.02	-421.62	-2.66e-03	3.11e-03
14	28	210.00	-594.04	26.07	0.04	-428.33	0.02	3.69e-03
14	28	253.33	-594.25	26.36	-1.10e-03	-435.09	0.02	9.28e-04
14	28	253.33	-594.25	26.36	-1.10e-03	-435.09	0.02	9.28e-04
14	28	296.67	-594.28	26.66	-0.02	-444.42	8.53e-03	-8.87e-04
14	28	296.67	-594.28	26.66	-0.02	-444.42	8.53e-03	-8.87e-04
14	28	340.00	-548.81	26.90	-0.02	-538.27	8.18e-05	-2.29e-03
14	44	0.0	-502.59	33.59	-0.02	-348.62	0.0	3.43e-05
14	44	52.50	-502.59	33.59	-0.02	-366.25	-9.25e-03	7.06e-04
14	44	105.00	-508.99	33.63	-1.82e-03	-368.45	-0.01	1.80e-03
14	44	157.50	-512.97	33.71	0.01	-375.11	-2.82e-03	2.78e-03
14	44	210.00	-515.37	33.84	0.03	-384.78	0.01	3.31e-03
14	44	253.33	-516.26	34.10	-4.58e-04	-393.58	0.01	1.02e-03
14	44	253.33	-516.26	34.10	-4.58e-04	-393.58	0.01	1.02e-03
14	44	296.67	-517.01	34.38	-0.02	-404.97	6.87e-03	-5.42e-04
14	44	296.67	-517.01	34.38	-0.02	-404.97	6.87e-03	-5.42e-04
14	44	340.00	-480.76	34.61	-0.02	-484.92	6.56e-05	-1.87e-03
14	68	0.0	-406.07	-0.88	-0.01	-298.90	0.0	3.42e-05
14	68	52.50	-406.07	-0.88	-0.01	-298.44	-7.56e-03	5.94e-04
14	68	105.00	-408.35	-0.80	-7.21e-04	-290.98	-7.94e-03	1.51e-03
14	68	157.50	-408.70	-0.70	0.01	-287.12	-1.25e-03	2.29e-03
14	68	210.00	-407.80	-0.60	0.03	-285.62	0.01	2.65e-03
14	68	253.33	-405.94	-0.42	-7.62e-04	-285.49	0.01	6.57e-04
14	68	253.33	-405.94	-0.42	-7.62e-04	-285.49	0.01	6.57e-04
14	68	296.67	-404.28	-0.23	-0.01	-286.85	6.54e-03	-6.75e-04
14	68	296.67	-404.28	-0.23	-0.01	-286.85	6.54e-03	-6.75e-04
14	68	340.00	-367.73	-0.09	-0.01	-352.85	7.06e-05	-1.67e-03
14	72	0.0	-212.79	-10.69	-7.22e-03	-173.55	0.0	2.87e-04
14	72	52.50	-212.79	-10.69	-7.22e-03	-167.94	-3.79e-03	6.76e-04
14	72	105.00	-212.03	-10.62	-1.15e-04	-160.91	-3.85e-03	1.11e-03
14	72	157.50	-210.27	-10.56	6.44e-03	-155.75	-4.70e-04	1.49e-03
14	72	210.00	-207.86	-10.50	0.01	-151.84	6.62e-03	1.64e-03
14	72	253.33	-204.94	-10.41	4.34e-04	-149.14	6.78e-03	6.64e-04
14	72	253.33	-204.94	-10.41	4.34e-04	-149.14	6.78e-03	6.64e-04
14	72	296.67	-202.69	-10.33	-7.49e-03	-147.41	3.50e-03	-1.19e-04
14	72	296.67	-202.69	-10.33	-7.49e-03	-147.41	3.50e-03	-1.19e-04
14	72	340.00	-181.11	-10.25	-7.90e-03	-180.87	4.89e-05	-8.32e-04
14	80	0.0	-407.10	17.58	-0.01	-286.19	0.0	-1.64e-05
14	80	52.50	-407.10	17.58	-0.01	-295.42	-7.49e-03	5.13e-04
14	80	105.00	-411.36	17.63	-1.18e-03	-293.99	-8.11e-03	1.41e-03
14	80	157.50	-413.68	17.71	0.01	-296.17	-1.86e-03	2.20e-03
14	80	210.00	-414.73	17.81	0.03	-300.76	0.01	2.60e-03
14	80	253.33	-414.65	18.01	-6.10e-04	-305.37	0.01	6.92e-04
14	80	253.33	-414.65	18.01	-6.10e-04	-305.37	0.01	6.92e-04
14	80	296.67	-414.54	18.22	-0.01	-311.85	5.93e-03	-5.86e-04
14	80	296.67	-414.54	18.22	-0.01	-311.85	5.93e-03	-5.86e-04
14	80	340.00	-382.69	18.39	-0.01	-377.16	5.82e-05	-1.60e-03
14	88	0.0	-354.00	22.81	-0.01	-247.44	0.0	5.55e-05
14	88	52.50	-354.00	22.81	-0.01	-259.41	-6.47e-03	5.38e-04
14	88	105.00	-358.26	22.84	-1.24e-03	-260.72	-7.12e-03	1.30e-03
14	88	157.50	-360.83	22.90	9.83e-03	-265.17	-1.96e-03	1.98e-03
14	88	210.00	-362.28	22.99	0.02	-271.73	9.91e-03	2.35e-03

14	88	253.33	-362.66	23.17	-1.82e-04	-277.70	9.78e-03	7.54e-04
14	88	253.33	-362.66	23.17	-1.82e-04	-277.70	9.78e-03	7.54e-04
14	88	296.67	-363.03	23.37	-0.01	-285.55	4.82e-03	-3.56e-04
14	88	296.67	-363.03	23.37	-0.01	-285.55	4.82e-03	-3.56e-04
14	88	340.00	-337.33	23.53	-0.01	-341.59	4.74e-05	-1.32e-03
14	98	0.0	-338.37	6.87	-0.01	-243.49	0.0	3.28e-05
14	98	52.50	-338.37	6.87	-0.01	-247.10	-6.07e-03	4.83e-04
14	98	105.00	-340.80	6.92	-6.90e-04	-243.41	-6.44e-03	1.22e-03
14	98	157.50	-341.63	6.99	9.98e-03	-242.70	-1.20e-03	1.84e-03
14	98	210.00	-341.42	7.08	0.02	-243.98	0.01	2.14e-03
14	98	253.33	-340.30	7.24	-3.25e-04	-245.74	0.01	5.70e-04
14	98	253.33	-340.30	7.24	-3.25e-04	-245.74	0.01	5.70e-04
14	98	296.67	-339.41	7.40	-0.01	-249.06	5.09e-03	-5.20e-04
14	98	296.67	-339.41	7.40	-0.01	-249.06	5.09e-03	-5.20e-04
14	98	340.00	-311.07	7.53	-0.01	-303.03	5.42e-05	-1.38e-03
14	102	0.0	-213.57	1.51	-7.12e-03	-165.35	0.0	1.94e-04
14	102	52.50	-213.57	1.51	-7.12e-03	-166.14	-3.74e-03	5.40e-04
14	102	105.00	-214.12	1.55	-3.83e-04	-163.10	-3.94e-03	9.73e-04
14	102	157.50	-213.66	1.60	5.94e-03	-161.94	-8.20e-04	1.35e-03
14	102	210.00	-212.53	1.66	0.01	-162.05	6.01e-03	1.52e-03
14	102	253.33	-210.80	1.76	4.77e-04	-162.49	6.18e-03	5.99e-04
14	102	253.33	-210.80	1.76	4.77e-04	-162.49	6.18e-03	5.99e-04
14	102	296.67	-209.56	1.87	-6.99e-03	-164.14	3.11e-03	-1.48e-04
14	102	296.67	-209.56	1.87	-6.99e-03	-164.14	3.11e-03	-1.48e-04
14	102	340.00	-191.10	1.95	-7.03e-03	-197.12	3.95e-05	-8.50e-04
14	105	0.0	-320.72	9.64	-0.01	-229.85	0.0	5.89e-05
14	105	52.50	-320.72	9.64	-0.01	-234.91	-5.73e-03	4.94e-04
14	105	105.00	-323.26	9.69	-7.40e-04	-232.47	-6.12e-03	1.18e-03
14	105	157.50	-324.29	9.75	9.23e-03	-232.86	-1.27e-03	1.77e-03
14	105	210.00	-324.31	9.83	0.02	-235.13	9.45e-03	2.06e-03
14	105	253.33	-323.45	9.99	-1.69e-04	-237.62	9.34e-03	6.00e-04
14	105	253.33	-323.45	9.99	-1.69e-04	-237.62	9.34e-03	6.00e-04
14	105	296.67	-322.80	10.15	-0.01	-241.68	4.69e-03	-4.31e-04
14	105	296.67	-322.80	10.15	-0.01	-241.68	4.69e-03	-4.31e-04
14	105	340.00	-296.78	10.28	-0.01	-292.52	5.00e-05	-1.28e-03
14	106	0.0	-213.77	4.56	-7.09e-03	-163.30	0.0	1.71e-04
14	106	52.50	-213.77	4.56	-7.09e-03	-165.69	-3.72e-03	5.06e-04
14	106	105.00	-214.64	4.60	-4.50e-04	-163.65	-3.96e-03	9.38e-04
14	106	157.50	-214.51	4.65	5.82e-03	-163.49	-9.07e-04	1.31e-03
14	106	210.00	-213.70	4.70	0.01	-164.60	5.86e-03	1.49e-03
14	106	253.33	-212.26	4.81	4.87e-04	-165.83	6.04e-03	5.83e-04
14	106	253.33	-212.26	4.81	4.87e-04	-165.83	6.04e-03	5.83e-04
14	106	296.67	-211.28	4.92	-6.87e-03	-168.33	3.02e-03	-1.55e-04
14	106	296.67	-211.28	4.92	-6.87e-03	-168.33	3.02e-03	-1.55e-04
14	106	340.00	-193.60	5.00	-6.82e-03	-201.18	3.71e-05	-8.55e-04
14	107	0.0	-320.57	6.54	-0.01	-232.04	0.0	5.25e-05
14	107	52.50	-320.57	6.54	-0.01	-235.47	-5.74e-03	4.86e-04
14	107	105.00	-322.78	6.59	-6.55e-04	-232.02	-6.08e-03	1.18e-03
14	107	157.50	-323.47	6.66	9.38e-03	-231.39	-1.16e-03	1.77e-03
14	107	210.00	-323.17	6.74	0.02	-232.64	9.65e-03	2.05e-03
14	107	253.33	-322.01	6.89	-2.09e-04	-234.33	9.51e-03	5.72e-04
14	107	253.33	-322.01	6.89	-2.09e-04	-234.33	9.51e-03	5.72e-04
14	107	296.67	-321.10	7.05	-0.01	-237.53	4.79e-03	-4.68e-04
14	107	296.67	-321.10	7.05	-0.01	-237.53	4.79e-03	-4.68e-04
14	107	340.00	-294.29	7.17	-0.01	-288.48	5.18e-05	-1.31e-03
14	112	0.0	-352.48	-69.10	0.73	-269.61	0.18	-0.12
14	112	52.50	-352.48	-69.10	0.73	-273.04	0.18	-0.12
14	112	105.00	-342.21	-68.93	0.57	-246.82	0.49	-0.12
14	112	157.50	-335.34	-68.73	0.49	-229.83	0.75	-0.09
14	112	210.00	-324.43	-68.53	0.50	-206.81	1.00	-0.11
14	112	253.33	-321.01	-68.62	-0.93	-194.69	0.90	-0.15
14	112	253.33	-321.01	-68.62	-0.93	-194.69	0.90	-0.15
14	112	296.67	-323.66	-68.07	-0.99	-192.61	0.60	-0.16
14	112	296.67	-323.66	-68.07	-0.99	-192.61	0.60	-0.16
14	112	340.00	-258.10	-68.04	-0.97	-214.57	0.22	-0.13
14	133	0.0	-375.57	124.77	0.05	-229.28	0.06	5.30e-03
14	133	52.50	-375.57	124.77	0.05	-232.71	0.05	5.72e-03
14	133	105.00	-387.65	124.58	0.04	-269.94	0.12	6.80e-03
14	133	157.50	-394.72	124.39	0.03	-293.11	0.15	0.01
14	133	210.00	-412.33	124.22	-0.01	-358.59	0.14	0.01
14	133	253.33	-441.38	124.98	-0.04	-430.13	0.11	6.97e-03
14	133	253.33	-441.38	124.98	-0.04	-430.13	0.11	6.97e-03
14	133	296.67	-434.27	124.20	-0.05	-439.33	0.09	6.12e-03
14	133	296.67	-434.27	124.20	-0.05	-439.33	0.09	6.12e-03
14	133	340.00	-422.42	124.40	-0.27	-492.51	0.03	9.86e-03

14	136	0.0	-290.82	-134.02	0.30	-254.65	0.04	-0.07
14	136	52.50	-290.82	-134.02	0.30	-258.08	0.03	-0.07
14	136	105.00	-277.58	-133.70	0.25	-208.00	0.14	-0.07
14	136	157.50	-268.08	-133.34	0.24	-178.46	0.25	-0.07
14	136	210.00	-247.92	-132.98	0.30	-112.45	0.40	-0.07
14	136	253.33	-214.92	-133.47	-0.44	-39.00	0.38	-0.09
14	136	253.33	-214.92	-133.47	-0.44	-39.00	0.38	-0.09
14	136	296.67	-221.23	-132.32	-0.48	-34.18	0.24	-0.09
14	136	296.67	-221.23	-132.32	-0.48	-34.18	0.24	-0.09
14	136	340.00	-165.38	-132.31	-0.28	-75.76	0.08	-0.08
14	139	0.0	-350.32	147.10	-0.32	-209.43	-0.04	0.07
14	139	52.50	-350.32	147.10	-0.32	-212.86	-0.05	0.07
14	139	105.00	-367.97	146.87	-0.25	-256.03	-0.15	0.07
14	139	157.50	-378.87	146.65	-0.22	-284.32	-0.25	0.07
14	139	210.00	-398.43	146.46	-0.26	-352.82	-0.38	0.07
14	139	253.33	-429.10	147.26	0.44	-429.65	-0.37	0.09
14	139	253.33	-429.10	147.26	0.44	-429.65	-0.37	0.09
14	139	296.67	-420.97	146.41	0.46	-440.87	-0.23	0.09
14	139	296.67	-420.97	146.41	0.46	-440.87	-0.23	0.09
14	139	340.00	-423.20	146.65	0.26	-501.20	-0.08	0.08
14	152	0.0	-351.22	-79.58	0.65	-273.04	0.16	-0.14
14	152	52.50	-351.22	-79.58	0.65	-276.46	0.16	-0.13
14	152	105.00	-338.06	-79.38	0.54	-246.82	0.45	-0.13
14	152	157.50	-327.57	-79.16	0.49	-227.47	0.70	-0.13
14	152	210.00	-318.80	-78.93	0.53	-200.29	0.95	-0.13
14	152	253.33	-295.01	-79.07	-0.90	-151.88	0.88	-0.17
14	152	253.33	-295.01	-79.07	-0.90	-151.88	0.88	-0.17
14	152	296.67	-298.42	-78.44	-0.97	-148.73	0.59	-0.18
14	152	296.67	-298.42	-78.44	-0.97	-148.73	0.59	-0.18
14	152	340.00	-245.95	-78.42	-0.92	-198.74	0.21	-0.16
14	165	0.0	-382.37	139.58	0.06	-228.93	0.07	6.10e-03
14	165	52.50	-382.37	139.58	0.06	-232.36	0.06	6.52e-03
14	165	105.00	-395.70	139.35	0.05	-274.69	0.13	7.64e-03
14	165	157.50	-403.61	139.13	0.03	-300.95	0.17	0.01
14	165	210.00	-423.39	138.93	-0.02	-374.26	0.16	0.01
14	165	253.33	-456.24	139.77	-0.04	-454.58	0.12	7.98e-03
14	165	253.33	-456.24	139.77	-0.04	-454.58	0.12	7.98e-03
14	165	296.67	-448.35	138.88	-0.06	-464.52	0.10	7.15e-03
14	165	296.67	-448.35	138.88	-0.06	-464.52	0.10	7.15e-03
14	165	340.00	-438.41	139.08	-0.30	-517.95	0.04	0.01
14	168	0.0	-287.15	-151.70	0.34	-257.54	0.04	-0.08
14	168	52.50	-287.15	-151.70	0.34	-260.97	0.04	-0.08
14	168	105.00	-271.94	-151.34	0.28	-205.01	0.15	-0.08
14	168	157.50	-261.13	-150.95	0.27	-171.68	0.28	-0.07
14	168	210.00	-238.54	-150.55	0.34	-97.41	0.45	-0.08
14	168	253.33	-201.56	-151.13	-0.49	-14.54	0.43	-0.10
14	168	253.33	-201.56	-151.13	-0.49	-14.54	0.43	-0.10
14	168	296.67	-208.78	-149.85	-0.54	-8.71	0.27	-0.11
14	168	296.67	-208.78	-149.85	-0.54	-8.71	0.27	-0.11
14	168	340.00	-149.27	-149.85	-0.31	-49.14	0.09	-0.10
14	171	0.0	-353.99	164.77	-0.36	-206.54	-0.04	0.08
14	171	52.50	-353.99	164.77	-0.36	-209.97	-0.05	0.08
14	171	105.00	-373.61	164.51	-0.28	-259.02	-0.17	0.08
14	171	157.50	-385.82	164.26	-0.25	-291.09	-0.28	0.08
14	171	210.00	-407.80	164.03	-0.30	-367.86	-0.43	0.08
14	171	253.33	-442.46	164.91	0.49	-454.11	-0.41	0.10
14	171	253.33	-442.46	164.91	0.49	-454.11	-0.41	0.10
14	171	296.67	-433.43	163.94	0.52	-466.34	-0.26	0.10
14	171	296.67	-433.43	163.94	0.52	-466.34	-0.26	0.10
14	171	340.00	-439.31	164.19	0.29	-527.82	-0.09	0.09
14	184	0.0	-350.33	-80.11	0.57	-273.44	0.14	-0.14
14	184	52.50	-350.33	-80.11	0.57	-276.87	0.14	-0.14
14	184	105.00	-336.92	-79.91	0.51	-246.86	0.40	-0.14
14	184	157.50	-326.55	-79.68	0.49	-226.32	0.65	-0.13
14	184	210.00	-317.53	-79.46	0.56	-198.51	0.92	-0.13
14	184	253.33	-294.56	-79.57	-0.88	-151.36	0.86	-0.18
14	184	253.33	-294.56	-79.57	-0.88	-151.36	0.86	-0.18
14	184	296.67	-298.09	-78.96	-0.95	-148.08	0.57	-0.19
14	184	296.67	-298.09	-78.96	-0.95	-148.08	0.57	-0.19
14	184	340.00	-245.91	-78.94	-0.90	-198.13	0.20	-0.16
14	197	0.0	-380.77	138.10	0.05	-228.85	0.06	6.76e-03
14	197	52.50	-380.77	138.10	0.05	-232.28	0.05	7.17e-03
14	197	105.00	-394.12	137.87	0.04	-274.15	0.12	8.28e-03
14	197	157.50	-402.15	137.66	0.03	-300.94	0.15	0.01
14	197	210.00	-421.19	137.46	-0.02	-371.61	0.14	0.01

14	197	253.33	-453.72	138.29	-0.03	-451.10	0.10	8.99e-03
14	197	253.33	-453.72	138.29	-0.03	-451.10	0.10	8.99e-03
14	197	296.67	-445.94	137.41	-0.05	-460.94	0.09	8.21e-03
14	197	296.67	-445.94	137.41	-0.05	-460.94	0.09	8.21e-03
14	197	340.00	-436.25	137.62	-0.28	-514.47	0.03	0.01
14	200	0.0	-287.77	-150.44	0.30	-257.64	0.04	-0.08
14	200	52.50	-287.77	-150.44	0.30	-261.06	0.03	-0.08
14	200	105.00	-272.51	-150.08	0.27	-205.40	0.14	-0.08
14	200	157.50	-261.63	-149.69	0.27	-171.14	0.27	-0.08
14	200	210.00	-239.70	-149.29	0.35	-98.86	0.44	-0.08
14	200	253.33	-203.19	-149.85	-0.49	-16.99	0.43	-0.10
14	200	253.33	-203.19	-149.85	-0.49	-16.99	0.43	-0.10
14	200	296.67	-210.33	-148.59	-0.53	-11.23	0.27	-0.11
14	200	296.67	-210.33	-148.59	-0.53	-11.23	0.27	-0.11
14	200	340.00	-151.08	-148.59	-0.31	-51.91	0.09	-0.10
14	203	0.0	-353.36	163.51	-0.32	-206.44	-0.04	0.08
14	203	52.50	-353.36	163.51	-0.32	-209.87	-0.05	0.08
14	203	105.00	-373.04	163.25	-0.27	-258.63	-0.16	0.08
14	203	157.50	-385.31	163.00	-0.25	-291.64	-0.27	0.08
14	203	210.00	-406.64	162.77	-0.31	-366.41	-0.42	0.08
14	203	253.33	-440.84	163.64	0.49	-451.66	-0.41	0.11
14	203	253.33	-440.84	163.64	0.49	-451.66	-0.41	0.11
14	203	296.67	-431.87	162.68	0.51	-463.83	-0.26	0.11
14	203	296.67	-431.87	162.68	0.51	-463.83	-0.26	0.11
14	203	340.00	-437.50	162.93	0.29	-525.05	-0.09	0.10
14	216	0.0	-355.99	-96.13	0.66	-281.55	0.17	-0.17
14	216	52.50	-355.99	-96.13	0.66	-284.98	0.16	-0.17
14	216	105.00	-339.56	-95.90	0.60	-250.01	0.47	-0.16
14	216	157.50	-327.15	-95.64	0.59	-225.36	0.76	-0.16
14	216	210.00	-316.41	-95.39	0.67	-191.92	1.08	-0.16
14	216	253.33	-289.86	-95.55	-1.05	-136.47	1.02	-0.22
14	216	253.33	-289.86	-95.55	-1.05	-136.47	1.02	-0.22
14	216	296.67	-294.25	-94.86	-1.13	-131.93	0.68	-0.23
14	216	296.67	-294.25	-94.86	-1.13	-131.93	0.68	-0.23
14	216	340.00	-237.42	-94.85	-1.07	-181.90	0.24	-0.20
14	229	0.0	-390.30	159.75	0.05	-228.14	0.07	8.59e-03
14	229	52.50	-390.30	159.75	0.05	-231.57	0.06	8.99e-03
14	229	105.00	-405.51	159.48	0.04	-280.87	0.13	0.01
14	229	157.50	-414.87	159.21	0.03	-312.20	0.17	0.02
14	229	210.00	-436.97	158.97	-0.03	-394.07	0.16	0.01
14	229	253.33	-475.03	159.92	-0.04	-486.34	0.12	0.01
14	229	253.33	-475.03	159.92	-0.04	-486.34	0.12	0.01
14	229	296.67	-466.14	158.86	-0.05	-497.27	0.10	0.01
14	229	296.67	-466.14	158.86	-0.05	-497.27	0.10	0.01
14	229	340.00	-459.40	159.08	-0.33	-551.36	0.04	0.02
14	232	0.0	-282.83	-176.89	0.35	-262.46	0.05	-0.10
14	232	52.50	-282.83	-176.89	0.35	-265.89	0.04	-0.10
14	232	105.00	-264.54	-176.47	0.32	-201.43	0.17	-0.10
14	232	157.50	-251.58	-176.02	0.32	-161.28	0.32	-0.09
14	232	210.00	-226.08	-175.58	0.42	-76.72	0.52	-0.09
14	232	253.33	-183.74	-176.26	-0.58	19.02	0.51	-0.13
14	232	253.33	-183.74	-176.26	-0.58	19.02	0.51	-0.13
14	232	296.67	-192.25	-174.81	-0.63	26.32	0.32	-0.13
14	232	296.67	-192.25	-174.81	-0.63	26.32	0.32	-0.13
14	232	340.00	-127.49	-174.83	-0.37	-12.71	0.11	-0.12
14	235	0.0	-358.31	189.96	-0.37	-201.62	-0.05	0.10
14	235	52.50	-358.31	189.96	-0.37	-205.05	-0.05	0.10
14	235	105.00	-381.02	189.65	-0.32	-262.61	-0.18	0.10
14	235	157.50	-395.37	189.34	-0.30	-301.50	-0.32	0.09
14	235	210.00	-420.26	189.06	-0.38	-388.56	-0.50	0.10
14	235	253.33	-460.28	190.04	0.58	-487.67	-0.49	0.13
14	235	253.33	-460.28	190.04	0.58	-487.67	-0.49	0.13
14	235	296.67	-449.95	188.90	0.61	-501.38	-0.31	0.13
14	235	296.67	-449.95	188.90	0.61	-501.38	-0.31	0.13
14	235	340.00	-461.09	189.17	0.35	-564.24	-0.11	0.11
M_S		N memb.		V memb.	V orto	M memb.	M orto	T
		-594.28		-176.89	-1.13	-564.24	-0.50	-0.23
		-127.49		190.04	0.73	26.32	1.08	0.13

Macro	Tipo	Angolo 1-Z (gradi)
15	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2248 DI 2790				

		cm	kN	kN	kN	kN m	kN m	kN m
15	4	0.0	-822.67	-37.64	-6.73e-03	38.46	0.0	-6.21e-04
15	4	52.50	-822.67	-37.64	-6.73e-03	58.21	-3.53e-03	-1.10e-03
15	4	105.00	-837.18	-36.38	-2.35e-03	47.60	-4.77e-03	-1.42e-03
15	4	157.50	-847.19	-34.81	6.34e-04	44.29	-4.44e-03	-1.78e-03
15	4	210.00	-854.82	-33.21	2.23e-03	44.41	-3.27e-03	-2.06e-03
15	4	253.33	-859.46	-31.90	2.89e-03	44.94	-2.03e-03	-2.20e-03
15	4	253.33	-859.46	-31.90	2.89e-03	44.94	-2.03e-03	-2.20e-03
15	4	296.67	-861.85	-30.68	2.88e-03	52.65	-7.73e-04	-2.22e-03
15	4	296.67	-861.85	-30.68	2.88e-03	52.65	-7.73e-04	-2.22e-03
15	4	340.00	-776.48	-29.73	-7.84e-04	221.02	6.20e-05	-1.64e-03
15	18	0.0	-710.07	-44.57	-5.02e-03	12.68	0.0	-6.08e-04
15	18	52.50	-710.07	-44.57	-5.02e-03	36.07	-2.64e-03	-1.03e-03
15	18	105.00	-724.31	-42.49	-1.68e-03	29.15	-3.52e-03	-1.25e-03
15	18	157.50	-734.32	-39.92	5.93e-04	28.50	-3.21e-03	-1.52e-03
15	18	210.00	-742.04	-37.26	1.79e-03	30.60	-2.27e-03	-1.72e-03
15	18	253.33	-746.83	-34.97	2.24e-03	32.20	-1.31e-03	-1.82e-03
15	18	253.33	-746.83	-34.97	2.24e-03	32.20	-1.31e-03	-1.82e-03
15	18	296.67	-749.57	-32.94	2.12e-03	40.26	-3.85e-04	-1.82e-03
15	18	296.67	-749.57	-32.94	2.12e-03	40.26	-3.85e-04	-1.82e-03
15	18	340.00	-674.54	-31.28	-1.65e-03	190.14	5.87e-05	-1.33e-03
15	45	0.0	-283.22	25.24	-1.30e-03	53.01	0.0	-2.27e-04
15	45	52.50	-283.22	25.24	-1.30e-03	39.76	-6.84e-04	-3.63e-04
15	45	105.00	-282.21	21.19	-5.23e-04	27.73	-9.58e-04	-4.10e-04
15	45	157.50	-280.59	16.14	1.94e-05	19.44	-9.48e-04	-4.82e-04
15	45	210.00	-278.97	10.84	3.38e-04	13.95	-7.71e-04	-5.41e-04
15	45	253.33	-277.07	5.98	5.34e-04	11.06	-5.42e-04	-5.76e-04
15	45	253.33	-277.07	5.98	5.34e-04	11.06	-5.42e-04	-5.76e-04
15	45	296.67	-275.72	1.95	6.11e-04	11.60	-2.82e-04	-5.72e-04
15	45	296.67	-275.72	1.95	6.11e-04	11.60	-2.82e-04	-5.72e-04
15	45	340.00	-246.70	-1.58	4.47e-04	63.69	7.06e-06	-4.11e-04
15	52	0.0	-824.29	-22.40	-7.60e-03	61.34	0.0	-5.70e-04
15	52	52.50	-824.29	-22.40	-7.60e-03	73.10	-3.99e-03	-1.05e-03
15	52	105.00	-836.45	-22.36	-2.74e-03	59.38	-5.43e-03	-1.42e-03
15	52	157.50	-844.48	-22.31	5.85e-04	53.07	-5.12e-03	-1.84e-03
15	52	210.00	-850.42	-22.30	2.38e-03	50.50	-3.87e-03	-2.16e-03
15	52	253.33	-853.72	-22.44	3.17e-03	49.34	-2.51e-03	-2.34e-03
15	52	253.33	-853.72	-22.44	3.17e-03	49.34	-2.51e-03	-2.34e-03
15	52	296.67	-855.10	-22.42	3.30e-03	55.30	-1.08e-03	-2.37e-03
15	52	296.67	-855.10	-22.42	3.30e-03	55.30	-1.08e-03	-2.37e-03
15	52	340.00	-770.39	-22.52	2.27e-04	219.24	5.71e-05	-1.75e-03
15	68	0.0	-574.49	-25.70	-4.69e-03	26.49	0.0	-4.45e-04
15	68	52.50	-574.49	-25.70	-4.69e-03	39.98	-2.46e-03	-7.84e-04
15	68	105.00	-584.44	-24.86	-1.64e-03	32.36	-3.32e-03	-1.00e-03
15	68	157.50	-591.25	-23.81	4.44e-04	29.86	-3.09e-03	-1.26e-03
15	68	210.00	-596.40	-22.74	1.55e-03	29.78	-2.28e-03	-1.45e-03
15	68	253.33	-599.44	-21.87	2.02e-03	30.00	-1.41e-03	-1.55e-03
15	68	253.33	-599.44	-21.87	2.02e-03	30.00	-1.41e-03	-1.55e-03
15	68	296.67	-601.00	-21.06	2.01e-03	35.32	-5.34e-04	-1.56e-03
15	68	296.67	-601.00	-21.06	2.01e-03	35.32	-5.34e-04	-1.56e-03
15	68	340.00	-541.09	-20.43	-5.83e-04	153.08	4.37e-05	-1.15e-03
15	75	0.0	-499.42	-30.32	-3.55e-03	9.31	0.0	-4.37e-04
15	75	52.50	-499.42	-30.32	-3.55e-03	25.22	-1.87e-03	-7.37e-04
15	75	105.00	-509.20	-28.93	-1.19e-03	20.06	-2.49e-03	-8.94e-04
15	75	157.50	-516.01	-27.22	4.17e-04	19.34	-2.27e-03	-1.09e-03
15	75	210.00	-521.21	-25.44	1.26e-03	20.58	-1.61e-03	-1.23e-03
15	75	253.33	-524.36	-23.92	1.59e-03	21.50	-9.31e-04	-1.29e-03
15	75	253.33	-524.36	-23.92	1.59e-03	21.50	-9.31e-04	-1.29e-03
15	75	296.67	-526.15	-22.57	1.50e-03	27.06	-2.75e-04	-1.29e-03
15	75	296.67	-526.15	-22.57	1.50e-03	27.06	-2.75e-04	-1.29e-03
15	75	340.00	-473.13	-21.46	-1.16e-03	132.49	4.15e-05	-9.44e-04
15	85	0.0	-303.55	13.91	-1.86e-03	41.65	0.0	-2.54e-04
15	85	52.50	-303.55	13.91	-1.86e-03	34.34	-9.76e-04	-4.19e-04
15	85	105.00	-304.41	11.22	-7.00e-04	24.17	-1.34e-03	-4.96e-04
15	85	157.50	-304.26	7.86	9.91e-05	17.57	-1.29e-03	-5.98e-04
15	85	210.00	-303.81	4.33	5.47e-04	13.39	-1.00e-03	-6.78e-04
15	85	253.33	-302.75	1.07	7.82e-04	11.10	-6.68e-04	-7.23e-04
15	85	253.33	-302.75	1.07	7.82e-04	11.10	-6.68e-04	-7.23e-04
15	85	296.67	-301.92	-1.61	8.37e-04	12.26	-3.09e-04	-7.22e-04
15	85	296.67	-301.92	-1.61	8.37e-04	12.26	-3.09e-04	-7.22e-04
15	85	340.00	-270.10	-3.98	2.08e-04	70.61	1.37e-05	-5.24e-04
15	92	0.0	-575.57	-15.54	-5.27e-03	41.75	0.0	-4.11e-04
15	92	52.50	-575.57	-15.54	-5.27e-03	49.90	-2.77e-03	-7.53e-04
15	92	105.00	-583.95	-15.52	-1.90e-03	40.21	-3.76e-03	-1.01e-03
15	92	157.50	-589.44	-15.48	4.11e-04	35.71	-3.55e-03	-1.30e-03

15	92	210.00	-593.47	-15.47	1.66e-03	33.84	-2.68e-03	-1.52e-03
15	92	253.33	-595.62	-15.56	2.21e-03	32.93	-1.73e-03	-1.64e-03
15	92	253.33	-595.62	-15.56	2.21e-03	32.93	-1.73e-03	-1.64e-03
15	92	296.67	-596.50	-15.56	2.29e-03	37.08	-7.36e-04	-1.66e-03
15	92	296.67	-596.50	-15.56	2.29e-03	37.08	-7.36e-04	-1.66e-03
15	92	340.00	-537.03	-15.62	9.11e-05	151.89	4.05e-05	-1.23e-03
15	98	0.0	-475.14	-12.57	-4.32e-03	31.72	0.0	-3.58e-04
15	98	52.50	-475.14	-12.57	-4.32e-03	38.31	-2.27e-03	-6.47e-04
15	98	105.00	-481.89	-12.55	-1.55e-03	30.01	-3.08e-03	-8.52e-04
15	98	157.50	-486.21	-12.52	3.46e-04	26.06	-2.90e-03	-1.09e-03
15	98	210.00	-489.31	-12.51	1.37e-03	24.31	-2.18e-03	-1.27e-03
15	98	253.33	-490.80	-12.59	1.82e-03	23.31	-1.40e-03	-1.37e-03
15	98	253.33	-490.80	-12.59	1.82e-03	23.31	-1.40e-03	-1.37e-03
15	98	296.67	-491.39	-12.58	1.87e-03	26.69	-5.86e-04	-1.38e-03
15	98	296.67	-491.39	-12.58	1.87e-03	26.69	-5.86e-04	-1.38e-03
15	98	340.00	-441.47	-12.63	-2.85e-05	122.47	3.44e-05	-1.02e-03
15	103	0.0	-450.00	-15.24	-3.87e-03	24.29	0.0	-3.59e-04
15	103	52.50	-450.00	-15.24	-3.87e-03	32.29	-2.03e-03	-6.35e-04
15	103	105.00	-456.86	-14.95	-1.37e-03	25.04	-2.75e-03	-8.16e-04
15	103	157.50	-461.33	-14.58	3.40e-04	21.90	-2.57e-03	-1.03e-03
15	103	210.00	-464.57	-14.22	1.26e-03	20.79	-1.91e-03	-1.19e-03
15	103	253.33	-466.19	-13.97	1.65e-03	20.16	-1.20e-03	-1.27e-03
15	103	253.33	-466.19	-13.97	1.65e-03	20.16	-1.20e-03	-1.27e-03
15	103	296.67	-466.94	-13.69	1.67e-03	23.74	-4.77e-04	-1.28e-03
15	103	296.67	-466.94	-13.69	1.67e-03	23.74	-4.77e-04	-1.28e-03
15	103	340.00	-419.27	-13.51	-2.95e-04	115.74	3.40e-05	-9.44e-04
15	104	0.0	-302.03	-3.25	-2.42e-03	20.60	0.0	-2.80e-04
15	104	52.50	-302.03	-3.25	-2.42e-03	22.31	-1.27e-03	-4.75e-04
15	104	105.00	-305.32	-3.78	-8.64e-04	15.65	-1.72e-03	-5.82e-04
15	104	157.50	-307.12	-4.44	2.04e-04	12.00	-1.62e-03	-7.14e-04
15	104	210.00	-308.21	-5.14	7.83e-04	9.99	-1.21e-03	-8.15e-04
15	104	253.33	-308.27	-5.83	1.04e-03	8.67	-7.58e-04	-8.68e-04
15	104	253.33	-308.27	-5.83	1.04e-03	8.67	-7.58e-04	-8.68e-04
15	104	296.67	-308.17	-6.35	1.06e-03	10.58	-3.00e-04	-8.69e-04
15	104	296.67	-308.17	-6.35	1.06e-03	10.58	-3.00e-04	-8.69e-04
15	104	340.00	-275.29	-6.85	-2.16e-04	72.20	2.21e-05	-6.35e-04
15	106	0.0	-301.66	-7.55	-2.56e-03	15.34	0.0	-2.86e-04
15	106	52.50	-301.66	-7.55	-2.56e-03	19.30	-1.34e-03	-4.89e-04
15	106	105.00	-305.55	-7.53	-9.04e-04	13.52	-1.82e-03	-6.03e-04
15	106	157.50	-307.83	-7.51	2.30e-04	10.60	-1.70e-03	-7.43e-04
15	106	210.00	-309.31	-7.50	8.42e-04	9.14	-1.26e-03	-8.49e-04
15	106	253.33	-309.65	-7.55	1.11e-03	8.06	-7.80e-04	-9.04e-04
15	106	253.33	-309.65	-7.55	1.11e-03	8.06	-7.80e-04	-9.04e-04
15	106	296.67	-309.74	-7.54	1.11e-03	10.16	-2.98e-04	-9.06e-04
15	106	296.67	-309.74	-7.54	1.11e-03	10.16	-2.98e-04	-9.06e-04
15	106	340.00	-276.59	-7.57	-3.23e-04	72.59	2.43e-05	-6.63e-04
15	107	0.0	-450.36	-11.86	-4.06e-03	29.38	0.0	-3.48e-04
15	107	52.50	-450.36	-11.86	-4.06e-03	35.60	-2.13e-03	-6.25e-04
15	107	105.00	-456.69	-11.83	-1.46e-03	27.65	-2.90e-03	-8.17e-04
15	107	157.50	-460.73	-11.80	3.29e-04	23.85	-2.73e-03	-1.04e-03
15	107	210.00	-463.59	-11.80	1.29e-03	22.14	-2.05e-03	-1.21e-03
15	107	253.33	-464.92	-11.87	1.72e-03	21.13	-1.31e-03	-1.30e-03
15	107	253.33	-464.92	-11.87	1.72e-03	21.13	-1.31e-03	-1.30e-03
15	107	296.67	-465.44	-11.86	1.76e-03	24.33	-5.45e-04	-1.31e-03
15	107	296.67	-465.44	-11.86	1.76e-03	24.33	-5.45e-04	-1.31e-03
15	107	340.00	-417.92	-11.91	-7.05e-05	115.34	3.29e-05	-9.70e-04
15	120	0.0	-467.99	-12.04	-0.79	28.61	-0.20	0.09
15	120	52.50	-467.99	-12.04	-0.79	34.83	-0.20	0.07
15	120	105.00	-474.22	-11.56	0.01	26.73	-0.40	8.05e-04
15	120	157.50	-478.05	-11.04	0.28	22.54	-0.30	-0.09
15	120	210.00	-480.69	-11.07	0.33	20.32	-0.12	-0.16
15	120	253.33	-481.60	-11.19	0.07	18.69	-0.10	-0.21
15	120	253.33	-481.60	-11.19	0.07	18.69	-0.10	-0.21
15	120	296.67	-482.10	-11.14	0.04	21.56	0.08	-0.24
15	120	296.67	-482.10	-11.14	0.04	21.56	0.08	-0.24
15	120	340.00	-433.47	-11.17	-0.23	113.86	0.06	-0.24
15	124	0.0	-482.54	-110.77	0.13	-181.04	0.04	0.01
15	124	52.50	-482.54	-110.77	0.13	-174.82	0.03	0.01
15	124	105.00	-501.06	-110.49	0.02	-153.07	0.09	0.03
15	124	157.50	-517.48	-110.14	3.42e-03	-127.83	0.11	4.56e-03
15	124	210.00	-528.61	-109.62	-0.03	-95.50	0.04	4.90e-03
15	124	253.33	-557.69	-110.94	-0.03	-57.60	0.02	6.02e-03
15	124	253.33	-557.69	-110.94	-0.03	-57.60	0.02	6.02e-03
15	124	296.67	-556.97	-109.26	-0.02	-51.97	6.04e-03	6.85e-03
15	124	296.67	-556.97	-109.26	-0.02	-51.97	6.04e-03	6.85e-03

15	124	340.00	-516.90	-108.92	-0.04	69.40	9.48e-03	7.12e-03
15	127	0.0	-418.18	87.06	-0.14	239.79	-0.04	-0.01
15	127	52.50	-418.18	87.06	-0.14	246.02	-0.04	-0.01
15	127	105.00	-412.33	86.82	-0.02	208.37	-0.09	-0.03
15	127	157.50	-403.98	86.53	-2.76e-03	175.53	-0.11	-6.64e-03
15	127	210.00	-398.58	86.03	0.03	139.78	-0.04	-7.32e-03
15	127	253.33	-372.16	87.20	0.03	99.87	-0.03	-8.62e-03
15	127	253.33	-372.16	87.20	0.03	99.87	-0.03	-8.62e-03
15	127	296.67	-373.91	85.54	0.03	100.63	-7.13e-03	-9.48e-03
15	127	296.67	-373.91	85.54	0.03	100.63	-7.13e-03	-9.48e-03
15	127	340.00	-318.93	85.11	0.04	161.29	-9.42e-03	-9.06e-03
15	130	0.0	-466.08	-128.58	0.57	-211.74	0.15	-0.04
15	130	52.50	-466.08	-128.58	0.57	-205.52	0.15	-0.03
15	130	105.00	-486.56	-128.13	0.05	-177.83	0.31	0.02
15	130	157.50	-505.34	-128.04	-0.15	-146.97	0.27	0.05
15	130	210.00	-523.52	-127.78	-0.21	-115.08	0.16	0.09
15	130	253.33	-554.30	-129.28	-0.10	-63.64	0.13	0.12
15	130	253.33	-554.30	-129.28	-0.10	-63.64	0.13	0.12
15	130	296.67	-553.54	-127.33	-0.09	-57.53	3.93e-03	0.14
15	130	296.67	-553.54	-127.33	-0.09	-57.53	3.93e-03	0.14
15	130	340.00	-512.09	-126.94	0.06	72.77	-0.02	0.14
15	152	0.0	-470.40	-11.86	-0.91	28.86	-0.23	0.10
15	152	52.50	-470.40	-11.86	-0.91	35.08	-0.23	0.08
15	152	105.00	-476.59	-11.33	7.92e-03	26.90	-0.46	7.81e-04
15	152	157.50	-480.38	-10.77	0.32	22.61	-0.35	-0.11
15	152	210.00	-482.97	-10.80	0.38	20.28	-0.14	-0.18
15	152	253.33	-483.79	-10.91	0.09	18.49	-0.12	-0.24
15	152	253.33	-483.79	-10.91	0.09	18.49	-0.12	-0.24
15	152	296.67	-484.29	-10.86	0.05	21.31	0.08	-0.27
15	152	296.67	-484.29	-10.86	0.05	21.31	0.08	-0.27
15	152	340.00	-435.51	-10.89	-0.25	113.74	0.06	-0.27
15	156	0.0	-486.52	-123.14	0.15	-207.37	0.04	0.01
15	156	52.50	-486.52	-123.14	0.15	-201.15	0.04	0.01
15	156	105.00	-506.57	-122.83	0.02	-175.68	0.10	0.03
15	156	157.50	-524.54	-122.44	3.53e-03	-146.80	0.12	5.37e-03
15	156	210.00	-536.70	-121.86	-0.04	-110.21	0.04	5.87e-03
15	156	253.33	-569.25	-123.33	-0.03	-67.45	0.03	7.19e-03
15	156	253.33	-569.25	-123.33	-0.03	-67.45	0.03	7.19e-03
15	156	296.67	-568.38	-121.44	-0.03	-61.50	6.79e-03	8.16e-03
15	156	296.67	-568.38	-121.44	-0.03	-61.50	6.79e-03	8.16e-03
15	156	340.00	-529.25	-121.06	-0.05	63.65	0.01	8.42e-03
15	159	0.0	-414.19	99.43	-0.16	266.12	-0.04	-0.01
15	159	52.50	-414.19	99.43	-0.16	272.34	-0.04	-0.01
15	159	105.00	-406.82	99.16	-0.02	230.98	-0.10	-0.03
15	159	157.50	-396.92	98.83	-2.87e-03	194.50	-0.12	-7.45e-03
15	159	210.00	-390.49	98.27	0.04	154.50	-0.05	-8.29e-03
15	159	253.33	-360.59	99.59	0.03	109.72	-0.03	-9.80e-03
15	159	253.33	-360.59	99.59	0.03	109.72	-0.03	-9.80e-03
15	159	296.67	-362.50	97.72	0.03	110.16	-7.88e-03	-0.01
15	159	296.67	-362.50	97.72	0.03	110.16	-7.88e-03	-0.01
15	159	340.00	-306.59	97.25	0.05	167.04	-0.01	-0.01
15	162	0.0	-467.94	-143.25	0.65	-242.02	0.17	-0.05
15	162	52.50	-467.94	-143.25	0.65	-235.80	0.17	-0.04
15	162	105.00	-490.19	-142.74	0.06	-203.63	0.35	0.02
15	162	157.50	-510.82	-142.64	-0.17	-168.42	0.31	0.06
15	162	210.00	-530.93	-142.35	-0.23	-132.31	0.19	0.10
15	162	253.33	-565.39	-144.03	-0.11	-74.28	0.15	0.14
15	162	253.33	-565.39	-144.03	-0.11	-74.28	0.15	0.14
15	162	296.67	-564.47	-141.83	-0.11	-67.80	5.52e-03	0.16
15	162	296.67	-564.47	-141.83	-0.11	-67.80	5.52e-03	0.16
15	162	340.00	-523.79	-141.39	0.06	67.42	-0.02	0.16
15	184	0.0	-471.86	-10.33	-1.00	31.47	-0.26	0.11
15	184	52.50	-471.86	-10.33	-1.00	37.69	-0.26	0.08
15	184	105.00	-477.86	-9.85	-0.02	29.08	-0.52	-8.73e-04
15	184	157.50	-481.51	-9.36	0.33	24.39	-0.41	-0.11
15	184	210.00	-483.97	-9.38	0.41	21.67	-0.18	-0.19
15	184	253.33	-484.54	-9.48	0.12	19.32	-0.15	-0.25
15	184	253.33	-484.54	-9.48	0.12	19.32	-0.15	-0.25
15	184	296.67	-485.11	-9.44	0.08	22.00	0.07	-0.28
15	184	296.67	-485.11	-9.44	0.08	22.00	0.07	-0.28
15	184	340.00	-436.14	-9.48	-0.23	114.26	0.06	-0.28
15	188	0.0	-485.79	-121.83	0.15	-204.40	0.04	0.01
15	188	52.50	-485.79	-121.83	0.15	-198.18	0.04	0.01
15	188	105.00	-505.69	-121.52	0.02	-173.10	0.10	0.03
15	188	157.50	-523.50	-121.16	1.75e-03	-144.58	0.12	5.82e-03

15	188	210.00	-535.72	-120.61	-0.04	-108.62	0.04	6.79e-03
15	188	253.33	-567.79	-122.06	-0.03	-66.10	0.03	8.42e-03
15	188	253.33	-567.79	-122.06	-0.03	-66.10	0.03	8.42e-03
15	188	296.67	-566.89	-120.19	-0.03	-60.11	5.44e-03	9.54e-03
15	188	296.67	-566.89	-120.19	-0.03	-60.11	5.44e-03	9.54e-03
15	188	340.00	-527.59	-119.81	-0.05	64.76	9.62e-03	9.78e-03
15	191	0.0	-414.93	98.12	-0.16	263.15	-0.04	-0.01
15	191	52.50	-414.93	98.12	-0.16	269.37	-0.04	-0.01
15	191	105.00	-407.70	97.86	-0.02	228.40	-0.10	-0.03
15	191	157.50	-397.95	97.55	-1.10e-03	192.28	-0.12	-7.91e-03
15	191	210.00	-391.46	97.01	0.04	152.91	-0.04	-9.21e-03
15	191	253.33	-362.05	98.32	0.03	108.37	-0.03	-0.01
15	191	253.33	-362.05	98.32	0.03	108.37	-0.03	-0.01
15	191	296.67	-363.99	96.47	0.03	108.77	-6.53e-03	-0.01
15	191	296.67	-363.99	96.47	0.03	108.77	-6.53e-03	-0.01
15	191	340.00	-308.25	96.00	0.05	165.93	-9.55e-03	-0.01
15	194	0.0	-466.94	-142.14	0.68	-239.59	0.18	-0.05
15	194	52.50	-466.94	-142.14	0.68	-233.37	0.18	-0.04
15	194	105.00	-489.05	-141.63	0.07	-201.54	0.37	0.02
15	194	157.50	-509.52	-141.52	-0.17	-166.66	0.33	0.06
15	194	210.00	-529.45	-141.24	-0.25	-130.86	0.20	0.11
15	194	253.33	-563.57	-142.90	-0.12	-73.33	0.16	0.14
15	194	253.33	-563.57	-142.90	-0.12	-73.33	0.16	0.14
15	194	296.67	-562.62	-140.73	-0.12	-66.80	0.01	0.16
15	194	296.67	-562.62	-140.73	-0.12	-66.80	0.01	0.16
15	194	340.00	-521.96	-140.29	0.05	67.87	-0.02	0.16
15	216	0.0	-476.66	-8.49	-1.23	34.82	-0.32	0.13
15	216	52.50	-476.66	-8.49	-1.23	41.04	-0.32	0.10
15	216	105.00	-482.42	-7.96	-0.02	31.84	-0.64	-1.45e-03
15	216	157.50	-485.82	-7.41	0.40	26.55	-0.51	-0.13
15	216	210.00	-488.04	-7.44	0.50	23.21	-0.23	-0.23
15	216	253.33	-488.15	-7.52	0.15	19.96	-0.18	-0.30
15	216	253.33	-488.15	-7.52	0.15	19.96	-0.18	-0.30
15	216	296.67	-488.76	-7.50	0.11	22.45	0.08	-0.34
15	216	296.67	-488.76	-7.50	0.11	22.45	0.08	-0.34
15	216	340.00	-439.39	-7.53	-0.27	114.61	0.07	-0.34
15	220	0.0	-491.49	-139.92	0.18	-242.74	0.05	0.01
15	220	52.50	-491.49	-139.92	0.18	-236.52	0.05	0.01
15	220	105.00	-513.62	-139.57	0.03	-206.01	0.11	0.03
15	220	157.50	-533.71	-139.15	1.21e-03	-172.18	0.14	7.54e-03
15	220	210.00	-547.55	-138.52	-0.04	-130.09	0.05	9.05e-03
15	220	253.33	-584.63	-140.20	-0.04	-80.31	0.03	0.01
15	220	253.33	-584.63	-140.20	-0.04	-80.31	0.03	0.01
15	220	296.67	-583.48	-138.02	-0.03	-73.82	6.97e-03	0.01
15	220	296.67	-583.48	-138.02	-0.03	-73.82	6.97e-03	0.01
15	220	340.00	-545.50	-137.58	-0.05	56.66	0.01	0.01
15	223	0.0	-409.23	116.21	-0.18	301.50	-0.05	-0.01
15	223	52.50	-409.23	116.21	-0.18	307.72	-0.05	-0.01
15	223	105.00	-399.77	115.90	-0.03	261.32	-0.12	-0.04
15	223	157.50	-387.74	115.54	-5.50e-04	219.88	-0.14	-9.62e-03
15	223	210.00	-379.64	114.92	0.05	174.38	-0.05	-0.01
15	223	253.33	-345.21	116.46	0.04	122.58	-0.03	-0.01
15	223	253.33	-345.21	116.46	0.04	122.58	-0.03	-0.01
15	223	296.67	-347.40	114.30	0.03	122.49	-8.06e-03	-0.02
15	223	296.67	-347.40	114.30	0.03	122.49	-8.06e-03	-0.02
15	223	340.00	-290.33	113.76	0.05	174.03	-0.01	-0.01
15	226	0.0	-469.08	-164.09	0.82	-284.77	0.21	-0.06
15	226	52.50	-469.08	-164.09	0.82	-278.55	0.21	-0.05
15	226	105.00	-493.85	-163.49	0.09	-240.03	0.45	0.02
15	226	157.50	-517.08	-163.36	-0.21	-198.64	0.40	0.07
15	226	210.00	-539.87	-163.02	-0.30	-156.51	0.25	0.13
15	226	253.33	-579.50	-164.96	-0.15	-89.14	0.20	0.17
15	226	253.33	-579.50	-164.96	-0.15	-89.14	0.20	0.17
15	226	296.67	-578.29	-162.42	-0.15	-82.02	0.02	0.19
15	226	296.67	-578.29	-162.42	-0.15	-82.02	0.02	0.19
15	226	340.00	-538.82	-161.90	0.06	59.91	-0.02	0.19
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-861.85	-164.96	-1.23	-284.77	-0.64	-0.34
			-246.70	116.46	0.82	307.72	0.45	0.19

Macro	Tipo	Angolo 1-Z (gradi)
16	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
16	19	0.0	-179.73	-18.85	-0.01	-143.75	0.0	-6.15e-04
16	19	52.50	-179.73	-18.85	-0.01	-133.86	-5.95e-03	-4.57e-04
16	19	105.00	-178.11	-18.80	-2.49e-03	-124.12	-7.26e-03	2.92e-04
16	19	157.50	-175.44	-18.77	5.25e-03	-116.35	-4.51e-03	9.11e-04
16	19	210.00	-172.10	-18.75	0.02	-109.80	5.29e-03	1.52e-03
16	19	253.33	-168.10	-18.70	-8.06e-04	-105.46	4.93e-03	4.05e-04
16	19	253.33	-168.10	-18.70	-8.06e-04	-105.46	4.93e-03	4.05e-04
16	19	296.67	-165.09	-18.64	-6.01e-03	-101.57	2.32e-03	1.68e-05
16	19	296.67	-165.09	-18.64	-6.01e-03	-101.57	2.32e-03	1.68e-05
16	19	340.00	-141.67	-18.58	-5.96e-03	-134.81	1.63e-05	-6.54e-05
16	28	0.0	-559.21	27.14	-0.04	-372.30	0.0	-2.69e-03
16	28	52.50	-559.21	27.14	-0.04	-386.54	-0.02	-2.35e-03
16	28	105.00	-566.03	27.17	-7.89e-03	-384.57	-0.02	3.44e-04
16	28	157.50	-569.72	27.22	0.02	-388.38	-0.01	2.51e-03
16	28	210.00	-571.34	27.27	0.07	-396.01	0.02	4.59e-03
16	28	253.33	-570.64	27.44	-0.01	-404.87	0.02	5.42e-05
16	28	253.33	-570.64	27.44	-0.01	-404.87	0.02	5.42e-05
16	28	296.67	-570.25	27.74	-0.02	-415.50	7.95e-03	-9.16e-04
16	28	296.67	-570.25	27.74	-0.02	-415.50	7.95e-03	-9.16e-04
16	28	340.00	-521.37	28.03	-0.02	-516.17	-9.16e-06	-9.24e-04
16	44	0.0	-478.31	34.73	-0.03	-314.16	0.0	-2.21e-03
16	44	52.50	-478.31	34.73	-0.03	-332.38	-0.02	-1.87e-03
16	44	105.00	-485.04	34.74	-6.69e-03	-334.54	-0.02	4.37e-04
16	44	157.50	-489.09	34.78	0.02	-341.66	-0.01	2.29e-03
16	44	210.00	-491.34	34.82	0.06	-352.11	0.02	4.07e-03
16	44	253.33	-491.45	34.97	-9.28e-03	-362.67	0.01	1.98e-04
16	44	253.33	-491.45	34.97	-9.28e-03	-362.67	0.01	1.98e-04
16	44	296.67	-491.84	35.25	-0.02	-375.17	6.78e-03	-6.53e-04
16	44	296.67	-491.84	35.25	-0.02	-375.17	6.78e-03	-6.53e-04
16	44	340.00	-452.76	35.53	-0.02	-460.78	-7.58e-06	-6.99e-04
16	72	0.0	-194.33	-10.77	-0.01	-148.50	0.0	-7.36e-04
16	72	52.50	-194.33	-10.77	-0.01	-142.84	-6.61e-03	-5.80e-04
16	72	105.00	-193.71	-10.73	-2.66e-03	-135.50	-8.01e-03	2.60e-04
16	72	157.50	-191.96	-10.70	6.01e-03	-130.26	-4.85e-03	9.46e-04
16	72	210.00	-189.49	-10.67	0.02	-126.36	6.16e-03	1.62e-03
16	72	253.33	-186.23	-10.62	-1.50e-03	-124.18	5.49e-03	3.29e-04
16	72	253.33	-186.23	-10.62	-1.50e-03	-124.18	5.49e-03	3.29e-04
16	72	296.67	-183.85	-10.54	-6.74e-03	-122.61	2.57e-03	-7.70e-05
16	72	296.67	-183.85	-10.54	-6.74e-03	-122.61	2.57e-03	-7.70e-05
16	72	340.00	-161.11	-10.46	-6.49e-03	-158.15	1.22e-05	-1.43e-04
16	80	0.0	-389.20	18.49	-0.03	-259.97	0.0	-1.85e-03
16	80	52.50	-389.20	18.49	-0.03	-269.67	-0.01	-1.61e-03
16	80	105.00	-393.76	18.51	-5.46e-03	-268.17	-0.02	2.55e-04
16	80	157.50	-396.13	18.55	0.01	-270.70	-9.80e-03	1.75e-03
16	80	210.00	-397.06	18.59	0.05	-275.91	0.02	3.20e-03
16	80	253.33	-396.35	18.70	-7.43e-03	-281.95	0.01	7.13e-05
16	80	253.33	-396.35	18.70	-7.43e-03	-281.95	0.01	7.13e-05
16	80	296.67	-395.95	18.91	-0.01	-289.30	5.50e-03	-6.13e-04
16	80	296.67	-395.95	18.91	-0.01	-289.30	5.50e-03	-6.13e-04
16	80	340.00	-361.76	19.12	-0.01	-359.29	-5.03e-06	-6.25e-04
16	88	0.0	-335.27	23.55	-0.02	-221.21	0.0	-1.53e-03
16	88	52.50	-335.27	23.55	-0.02	-233.57	-0.01	-1.29e-03
16	88	105.00	-339.77	23.56	-4.65e-03	-234.82	-0.01	3.17e-04
16	88	157.50	-342.38	23.59	0.01	-239.56	-8.46e-03	1.61e-03
16	88	210.00	-343.72	23.62	0.04	-246.64	0.01	2.85e-03
16	88	253.33	-343.56	23.72	-6.23e-03	-253.82	0.01	1.67e-04
16	88	253.33	-343.56	23.72	-6.23e-03	-253.82	0.01	1.67e-04
16	88	296.67	-343.68	23.92	-0.01	-262.42	4.72e-03	-4.38e-04
16	88	296.67	-343.68	23.92	-0.01	-262.42	4.72e-03	-4.38e-04
16	88	340.00	-316.01	24.11	-0.01	-322.37	-3.98e-06	-4.75e-04
16	98	0.0	-320.90	7.47	-0.02	-218.27	0.0	-1.52e-03
16	98	52.50	-320.90	7.47	-0.02	-222.19	-0.01	-1.34e-03
16	98	105.00	-323.57	7.49	-4.42e-03	-218.36	-0.01	1.69e-04
16	98	157.50	-324.44	7.53	0.01	-217.86	-7.98e-03	1.38e-03
16	98	210.00	-324.14	7.56	0.04	-219.55	0.01	2.54e-03
16	98	253.33	-322.50	7.65	-5.41e-03	-222.43	9.57e-03	6.65e-05
16	98	253.33	-322.50	7.65	-5.41e-03	-222.43	9.57e-03	6.65e-05
16	98	296.67	-321.38	7.81	-0.01	-226.38	4.45e-03	-5.10e-04
16	98	296.67	-321.38	7.81	-0.01	-226.38	4.45e-03	-5.10e-04
16	98	340.00	-291.14	7.97	-0.01	-284.08	0.0	-5.17e-04
16	102	0.0	-194.70	1.62	-0.01	-140.15	0.0	-8.03e-04
16	102	52.50	-194.70	1.62	-0.01	-141.00	-6.77e-03	-6.62e-04
16	102	105.00	-195.38	1.64	-2.59e-03	-137.76	-8.13e-03	2.09e-04

16	102	157.50	-194.94	1.66	6.33e-03	-136.60	-4.80e-03	9.07e-04
16	102	210.00	-193.76	1.68	0.02	-136.81	6.54e-03	1.58e-03
16	102	253.33	-191.69	1.74	-2.03e-03	-137.81	5.64e-03	2.28e-04
16	102	253.33	-191.69	1.74	-2.03e-03	-137.81	5.64e-03	2.28e-04
16	102	296.67	-190.33	1.84	-6.99e-03	-139.72	2.62e-03	-1.71e-04
16	102	296.67	-190.33	1.84	-6.99e-03	-139.72	2.62e-03	-1.71e-04
16	102	340.00	-170.79	1.93	-6.51e-03	-174.71	6.62e-06	-2.16e-04
16	105	0.0	-302.94	10.19	-0.02	-204.62	0.0	-1.41e-03
16	105	52.50	-302.94	10.19	-0.02	-209.97	-0.01	-1.22e-03
16	105	105.00	-305.70	10.21	-4.16e-03	-207.40	-0.01	1.98e-04
16	105	157.50	-306.76	10.25	0.01	-207.98	-7.54e-03	1.34e-03
16	105	210.00	-306.71	10.28	0.04	-210.64	0.01	2.43e-03
16	105	253.33	-305.35	10.36	-5.04e-03	-214.17	9.03e-03	1.05e-04
16	105	253.33	-305.35	10.36	-5.04e-03	-214.17	9.03e-03	1.05e-04
16	105	296.67	-304.49	10.52	-0.01	-218.82	4.19e-03	-4.45e-04
16	105	296.67	-304.49	10.52	-0.01	-218.82	4.19e-03	-4.45e-04
16	105	340.00	-276.69	10.67	-0.01	-273.13	0.0	-4.62e-04
16	106	0.0	-194.79	4.71	-0.01	-138.07	0.0	-8.20e-04
16	106	52.50	-194.79	4.71	-0.01	-140.54	-6.81e-03	-6.82e-04
16	106	105.00	-195.80	4.73	-2.57e-03	-138.32	-8.16e-03	1.96e-04
16	106	157.50	-195.69	4.75	6.41e-03	-138.18	-4.79e-03	8.97e-04
16	106	210.00	-194.83	4.77	0.02	-139.42	6.63e-03	1.58e-03
16	106	253.33	-193.06	4.83	-2.16e-03	-141.22	5.68e-03	2.02e-04
16	106	253.33	-193.06	4.83	-2.16e-03	-141.22	5.68e-03	2.02e-04
16	106	296.67	-191.95	4.93	-7.05e-03	-144.00	2.63e-03	-1.94e-04
16	106	296.67	-191.95	4.93	-7.05e-03	-144.00	2.63e-03	-1.94e-04
16	106	340.00	-173.21	5.03	-6.52e-03	-178.84	5.23e-06	-2.34e-04
16	107	0.0	-302.88	7.07	-0.02	-206.82	0.0	-1.42e-03
16	107	52.50	-302.88	7.07	-0.02	-210.53	-0.01	-1.24e-03
16	107	105.00	-305.32	7.10	-4.16e-03	-206.93	-0.01	1.73e-04
16	107	157.50	-306.05	7.13	0.01	-206.48	-7.53e-03	1.31e-03
16	107	210.00	-305.66	7.16	0.04	-208.10	0.01	2.40e-03
16	107	253.33	-304.01	7.25	-4.94e-03	-210.83	9.01e-03	8.59e-05
16	107	253.33	-304.01	7.25	-4.94e-03	-210.83	9.01e-03	8.59e-05
16	107	296.67	-302.89	7.40	-0.01	-214.61	4.19e-03	-4.65e-04
16	107	296.67	-302.89	7.40	-0.01	-214.61	4.19e-03	-4.65e-04
16	107	340.00	-274.29	7.55	-0.01	-269.05	0.0	-4.77e-04
16	115	0.0	-239.90	7.09	-0.74	-178.46	-0.18	0.12
16	115	52.50	-239.90	7.09	-0.74	-182.17	-0.19	0.12
16	115	105.00	-248.61	7.12	-0.58	-193.51	-0.50	0.12
16	115	157.50	-247.04	7.12	-0.41	-188.44	-0.74	0.10
16	115	210.00	-256.52	7.05	-0.51	-202.66	-0.95	0.11
16	115	253.33	-256.58	6.68	1.04	-203.43	-0.83	0.16
16	115	253.33	-256.58	6.68	1.04	-203.43	-0.83	0.16
16	115	296.67	-256.86	11.16	0.80	-206.27	-0.52	0.15
16	115	296.67	-256.86	11.16	0.80	-206.27	-0.52	0.15
16	115	340.00	-236.09	15.49	0.80	-246.50	-0.18	0.14
16	129	0.0	-339.13	149.24	0.26	-196.03	0.06	-0.07
16	129	52.50	-339.13	149.24	0.26	-199.73	0.05	-0.07
16	129	105.00	-352.24	149.06	0.23	-238.27	0.15	-0.07
16	129	157.50	-375.67	148.89	0.21	-242.76	0.23	-0.07
16	129	210.00	-384.28	148.68	0.39	-334.87	0.39	-0.06
16	129	253.33	-409.58	149.72	-0.53	-415.54	0.38	-0.09
16	129	253.33	-409.58	149.72	-0.53	-415.54	0.38	-0.09
16	129	296.67	-402.33	148.58	-0.40	-427.35	0.18	-0.09
16	129	296.67	-402.33	148.58	-0.40	-427.35	0.18	-0.09
16	129	340.00	-401.09	149.00	-0.38	-491.48	0.07	-0.08
16	133	0.0	-369.01	141.76	0.04	-207.31	0.06	3.86e-03
16	133	52.50	-369.01	141.76	0.04	-211.02	0.05	4.03e-03
16	133	105.00	-380.87	141.59	0.02	-248.58	0.11	5.88e-03
16	133	157.50	-376.40	141.46	0.05	-260.51	0.14	0.01
16	133	210.00	-407.80	141.30	-0.04	-345.08	0.15	0.01
16	133	253.33	-434.52	142.63	-0.05	-420.15	0.14	6.66e-03
16	133	253.33	-434.52	142.63	-0.05	-420.15	0.14	6.66e-03
16	133	296.67	-427.21	140.07	-0.10	-432.17	0.12	5.81e-03
16	133	296.67	-427.21	140.07	-0.10	-432.17	0.12	5.81e-03
16	133	340.00	-420.47	139.17	-0.21	-502.73	0.04	5.45e-03
16	134	0.0	-236.75	-127.62	-0.08	-206.32	-0.06	-6.70e-03
16	134	52.50	-236.75	-127.62	-0.08	-210.03	-0.07	-6.51e-03
16	134	105.00	-229.77	-127.39	-0.03	-165.27	-0.14	-5.54e-03
16	134	157.50	-235.69	-127.19	-0.03	-152.45	-0.16	-0.01
16	134	210.00	-203.53	-126.97	0.11	-71.13	-0.12	-6.37e-03
16	134	253.33	-173.50	-128.13	0.04	-1.51	-0.12	-6.49e-03
16	134	253.33	-173.50	-128.13	0.04	-1.51	-0.12	-6.49e-03
16	134	296.67	-178.57	-125.27	0.07	2.95	-0.11	-6.74e-03

16	134	296.67	-178.57	-125.27	0.07	2.95	-0.11	-6.74e-03
16	134	340.00	-128.12	-124.07	0.19	-35.36	-0.04	-6.41e-03
16	155	0.0	-243.43	5.57	-0.67	-175.22	-0.16	0.14
16	155	52.50	-243.43	5.57	-0.67	-178.93	-0.17	0.13
16	155	105.00	-255.11	5.61	-0.54	-194.62	-0.46	0.13
16	155	157.50	-253.29	5.62	-0.41	-188.80	-0.69	0.13
16	155	210.00	-262.35	5.58	-0.54	-204.17	-0.91	0.13
16	155	253.33	-261.61	5.26	1.01	-204.46	-0.80	0.18
16	155	253.33	-261.61	5.26	1.01	-204.46	-0.80	0.18
16	155	296.67	-260.97	5.61	0.79	-208.74	-0.51	0.17
16	155	296.67	-260.97	5.61	0.79	-208.74	-0.51	0.17
16	155	340.00	-240.27	5.74	0.78	-248.49	-0.18	0.16
16	161	0.0	-343.78	167.12	0.29	-194.70	0.07	-0.08
16	161	52.50	-343.78	167.12	0.29	-198.41	0.06	-0.08
16	161	105.00	-358.23	166.90	0.25	-242.25	0.16	-0.08
16	161	157.50	-384.48	166.71	0.24	-247.49	0.26	-0.07
16	161	210.00	-394.24	166.47	0.44	-350.85	0.43	-0.07
16	161	253.33	-422.94	167.63	-0.59	-441.36	0.43	-0.10
16	161	253.33	-422.94	167.63	-0.59	-441.36	0.43	-0.10
16	161	296.67	-414.91	166.32	-0.45	-454.18	0.20	-0.10
16	161	296.67	-414.91	166.32	-0.45	-454.18	0.20	-0.10
16	161	340.00	-417.10	166.78	-0.42	-519.54	0.08	-0.09
16	165	0.0	-377.24	158.54	0.05	-207.40	0.07	4.67e-03
16	165	52.50	-377.24	158.54	0.05	-211.11	0.06	4.83e-03
16	165	105.00	-390.29	158.34	0.02	-253.80	0.13	6.74e-03
16	165	157.50	-385.19	158.18	0.06	-267.26	0.16	0.01
16	165	210.00	-420.50	158.00	-0.04	-362.12	0.16	0.01
16	165	253.33	-450.77	159.49	-0.06	-446.21	0.15	7.68e-03
16	165	253.33	-450.77	159.49	-0.06	-446.21	0.15	7.68e-03
16	165	296.67	-442.67	156.59	-0.10	-459.26	0.13	6.80e-03
16	165	296.67	-442.67	156.59	-0.10	-459.26	0.13	6.80e-03
16	165	340.00	-438.65	155.56	-0.23	-531.82	0.05	6.38e-03
16	166	0.0	-228.52	-144.39	-0.09	-206.23	-0.07	-7.51e-03
16	166	52.50	-228.52	-144.39	-0.09	-209.94	-0.08	-7.32e-03
16	166	105.00	-220.34	-144.14	-0.03	-160.06	-0.15	-6.40e-03
16	166	157.50	-226.91	-143.92	-0.03	-145.70	-0.18	-0.01
16	166	210.00	-190.83	-143.68	0.12	-54.09	-0.14	-7.62e-03
16	166	253.33	-157.26	-144.99	0.05	24.55	-0.13	-7.51e-03
16	166	253.33	-157.26	-144.99	0.05	24.55	-0.13	-7.51e-03
16	166	296.67	-163.11	-141.79	0.08	30.04	-0.12	-7.73e-03
16	166	296.67	-163.11	-141.79	0.08	30.04	-0.12	-7.73e-03
16	166	340.00	-109.93	-140.46	0.21	-6.27	-0.05	-7.33e-03
16	187	0.0	-242.86	3.74	-0.59	-176.07	-0.14	0.14
16	187	52.50	-242.86	3.74	-0.59	-179.78	-0.15	0.14
16	187	105.00	-254.38	3.78	-0.52	-194.73	-0.41	0.14
16	187	157.50	-251.94	3.79	-0.41	-187.19	-0.64	0.13
16	187	210.00	-260.24	3.76	-0.57	-200.91	-0.87	0.13
16	187	253.33	-259.20	3.42	1.00	-199.22	-0.78	0.18
16	187	253.33	-259.20	3.42	1.00	-199.22	-0.78	0.18
16	187	296.67	-258.89	3.83	0.76	-203.00	-0.49	0.18
16	187	296.67	-258.89	3.83	0.76	-203.00	-0.49	0.18
16	187	340.00	-237.46	3.98	0.75	-243.12	-0.17	0.16
16	193	0.0	-343.93	165.82	0.26	-194.95	0.06	-0.08
16	193	52.50	-343.93	165.82	0.26	-198.66	0.05	-0.08
16	193	105.00	-358.30	165.61	0.24	-242.23	0.15	-0.08
16	193	157.50	-384.32	165.42	0.24	-248.45	0.25	-0.08
16	193	210.00	-393.95	165.18	0.45	-349.99	0.42	-0.08
16	193	253.33	-422.52	166.34	-0.59	-440.22	0.43	-0.11
16	193	253.33	-422.52	166.34	-0.59	-440.22	0.43	-0.11
16	193	296.67	-414.42	165.03	-0.44	-453.06	0.20	-0.10
16	193	296.67	-414.42	165.03	-0.44	-453.06	0.20	-0.10
16	193	340.00	-416.45	165.47	-0.41	-518.25	0.08	-0.09
16	197	0.0	-375.99	155.80	0.04	-207.46	0.06	5.36e-03
16	197	52.50	-375.99	155.80	0.04	-211.17	0.05	5.52e-03
16	197	105.00	-389.09	155.61	0.02	-253.29	0.11	7.40e-03
16	197	157.50	-384.07	155.45	0.05	-266.54	0.14	0.01
16	197	210.00	-418.57	155.27	-0.04	-359.51	0.14	0.01
16	197	253.33	-448.39	156.74	-0.04	-442.34	0.14	8.69e-03
16	197	253.33	-448.39	156.74	-0.04	-442.34	0.14	8.69e-03
16	197	296.67	-440.28	153.91	-0.09	-455.32	0.12	7.84e-03
16	197	296.67	-440.28	153.91	-0.09	-455.32	0.12	7.84e-03
16	197	340.00	-435.89	152.92	-0.21	-527.48	0.05	7.35e-03
16	198	0.0	-229.77	-141.66	-0.08	-206.17	-0.06	-8.20e-03
16	198	52.50	-229.77	-141.66	-0.08	-209.88	-0.07	-8.00e-03
16	198	105.00	-221.54	-141.41	-0.02	-160.56	-0.14	-7.06e-03

16	198	157.50	-228.03	-141.19	-0.03	-146.42	-0.16	-0.01
16	198	210.00	-192.76	-140.95	0.11	-56.70	-0.12	-8.20e-03
16	198	253.33	-159.63	-142.24	0.03	20.69	-0.12	-8.51e-03
16	198	253.33	-159.63	-142.24	0.03	20.69	-0.12	-8.51e-03
16	198	296.67	-165.50	-139.11	0.07	26.10	-0.11	-8.77e-03
16	198	296.67	-165.50	-139.11	0.07	26.10	-0.11	-8.77e-03
16	198	340.00	-112.69	-137.83	0.19	-10.61	-0.05	-8.30e-03
16	219	0.0	-230.56	1.23	-0.67	-170.56	-0.16	0.17
16	219	52.50	-230.56	1.23	-0.67	-174.27	-0.17	0.17
16	219	105.00	-243.63	1.27	-0.61	-192.06	-0.48	0.17
16	219	157.50	-240.35	1.29	-0.50	-182.25	-0.75	0.16
16	219	210.00	-249.78	1.26	-0.70	-197.00	-1.03	0.16
16	219	253.33	-248.51	0.81	1.19	-192.95	-0.93	0.22
16	219	253.33	-248.51	0.81	1.19	-192.95	-0.93	0.22
16	219	296.67	-248.60	1.30	0.91	-196.39	-0.58	0.22
16	219	296.67	-248.60	1.30	0.91	-196.39	-0.58	0.22
16	219	340.00	-227.96	1.46	0.89	-233.90	-0.20	0.20
16	225	0.0	-351.78	192.57	0.30	-193.24	0.07	-0.10
16	225	52.50	-351.78	192.57	0.30	-196.95	0.06	-0.10
16	225	105.00	-368.11	192.32	0.29	-248.30	0.18	-0.09
16	225	157.50	-398.10	192.09	0.28	-256.00	0.29	-0.09
16	225	210.00	-409.67	191.80	0.53	-374.45	0.50	-0.09
16	225	253.33	-443.38	193.15	-0.69	-479.51	0.50	-0.13
16	225	253.33	-443.38	193.15	-0.69	-479.51	0.50	-0.13
16	225	296.67	-434.06	191.58	-0.52	-493.94	0.24	-0.12
16	225	296.67	-434.06	191.58	-0.52	-493.94	0.24	-0.12
16	225	340.00	-441.18	192.07	-0.48	-561.08	0.09	-0.11
16	229	0.0	-387.85	179.72	0.04	-207.55	0.07	7.22e-03
16	229	52.50	-387.85	179.72	0.04	-211.26	0.06	7.37e-03
16	229	105.00	-402.71	179.49	0.02	-260.79	0.13	9.34e-03
16	229	157.50	-396.86	179.30	0.06	-276.29	0.16	0.02
16	229	210.00	-436.90	179.08	-0.06	-384.17	0.16	0.02
16	229	253.33	-471.83	180.77	-0.05	-479.91	0.16	0.01
16	229	253.33	-471.83	180.77	-0.05	-479.91	0.16	0.01
16	229	296.67	-462.56	177.47	-0.10	-494.40	0.14	0.01
16	229	296.67	-462.56	177.47	-0.10	-494.40	0.14	0.01
16	229	340.00	-462.08	176.31	-0.24	-569.42	0.05	9.50e-03
16	230	0.0	-217.91	-165.58	-0.09	-206.08	-0.07	-0.01
16	230	52.50	-217.91	-165.58	-0.09	-209.79	-0.08	-9.85e-03
16	230	105.00	-207.92	-165.29	-0.03	-153.07	-0.15	-8.99e-03
16	230	157.50	-215.24	-165.04	-0.04	-136.67	-0.18	-0.02
16	230	210.00	-174.43	-164.76	0.13	-32.04	-0.14	-0.01
16	230	253.33	-136.20	-166.27	0.04	58.26	-0.14	-0.01
16	230	253.33	-136.20	-166.27	0.04	58.26	-0.14	-0.01
16	230	296.67	-143.22	-162.67	0.08	65.18	-0.13	-0.01
16	230	296.67	-143.22	-162.67	0.08	65.18	-0.13	-0.01
16	230	340.00	-86.51	-161.22	0.22	31.32	-0.05	-0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-571.34	-166.27	-0.74	-569.42	-1.03	-0.13
	-86.51	193.15	1.19	65.18	0.50	0.22

Macro	Tipo	Angolo 1-Z (gradi)
17	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
17	4	0.0	-888.64	-23.86	-0.02	-926.51	0.0	-3.52e-03
17	4	52.50	-888.64	-23.86	-0.02	-913.97	-0.01	-4.23e-03
17	4	105.00	-886.36	-23.87	1.12e-04	-887.48	-0.01	-2.57e-03
17	4	157.50	-882.71	-23.86	3.45e-03	-867.55	-9.26e-03	-2.19e-03
17	4	210.00	-878.19	-23.84	-8.40e-03	-851.72	-0.01	-2.46e-03
17	4	253.33	-873.68	-23.82	-0.03	-840.24	-0.03	-2.57e-03
17	4	296.67	-869.59	-23.81	-0.02	-828.95	-0.03	-7.48e-04
17	4	340.00	-822.11	-23.74	0.06	-1025.84	-1.81e-03	2.96e-03
17	44	0.0	-751.53	63.37	-0.03	-499.29	0.0	-3.19e-03
17	44	52.50	-751.53	63.37	-0.03	-532.55	-0.01	-3.51e-03
17	44	105.00	-751.46	63.35	2.63e-03	-541.30	-0.01	-1.43e-03
17	44	157.50	-750.17	63.35	8.28e-03	-555.87	-8.07e-03	-8.85e-04
17	44	210.00	-748.12	63.37	-1.36e-03	-574.09	-8.79e-03	-1.12e-03
17	44	253.33	-745.89	63.39	-0.02	-589.51	-0.02	-1.35e-03
17	44	296.67	-743.82	63.40	-0.01	-606.37	-0.02	-1.97e-04
17	44	340.00	-713.35	63.39	0.04	-759.63	-1.20e-03	2.34e-03
17	45	0.0	-309.08	58.65	-0.01	-104.66	0.0	-1.08e-03

17	45	52.50	-309.08	58.65	-0.01	-135.45	-6.82e-03	-1.02e-03
17	45	105.00	-308.16	58.63	2.30e-03	-151.52	-5.62e-03	-2.90e-06
17	45	157.50	-306.73	58.63	5.26e-03	-170.02	-2.86e-03	2.56e-04
17	45	210.00	-304.98	58.64	1.51e-03	-190.05	-2.06e-03	1.30e-04
17	45	253.33	-303.23	58.65	-4.15e-03	-206.36	-3.86e-03	-1.54e-05
17	45	296.67	-301.61	58.65	-4.05e-03	-223.72	-5.62e-03	2.56e-04
17	45	340.00	-292.58	58.63	9.82e-03	-276.75	-3.34e-04	9.33e-04
17	52	0.0	-879.17	9.50	-0.02	-800.24	0.0	-3.86e-03
17	52	52.50	-879.17	9.50	-0.02	-805.23	-0.01	-4.55e-03
17	52	105.00	-877.93	9.49	1.09e-03	-791.28	-0.01	-2.60e-03
17	52	157.50	-875.30	9.49	5.61e-03	-783.96	-9.36e-03	-2.12e-03
17	52	210.00	-871.81	9.51	-5.97e-03	-780.77	-0.01	-2.39e-03
17	52	253.33	-868.23	9.53	-0.02	-779.32	-0.02	-2.55e-03
17	52	296.67	-864.95	9.55	-0.01	-778.59	-0.03	-8.96e-04
17	52	340.00	-821.85	9.58	0.05	-969.02	-1.67e-03	2.62e-03
17	68	0.0	-624.56	-15.55	-0.01	-648.99	0.0	-2.45e-03
17	68	52.50	-624.56	-15.55	-0.01	-640.83	-7.77e-03	-2.93e-03
17	68	105.00	-622.64	-15.56	1.70e-04	-622.74	-7.68e-03	-1.78e-03
17	68	157.50	-619.75	-15.55	2.46e-03	-609.25	-6.39e-03	-1.52e-03
17	68	210.00	-616.26	-15.54	-5.85e-03	-598.63	-9.46e-03	-1.72e-03
17	68	253.33	-612.80	-15.52	-0.02	-590.96	-0.02	-1.80e-03
17	68	296.67	-609.66	-15.51	-0.01	-583.44	-0.02	-5.30e-04
17	68	340.00	-576.37	-15.47	0.04	-720.59	-1.26e-03	2.05e-03
17	85	0.0	-335.25	40.54	-0.01	-193.89	0.0	-1.21e-03
17	85	52.50	-335.25	40.54	-0.01	-215.17	-6.20e-03	-1.25e-03
17	85	105.00	-333.85	40.53	1.80e-03	-224.02	-5.26e-03	-3.28e-04
17	85	157.50	-331.92	40.53	4.26e-03	-235.42	-3.02e-03	-1.07e-04
17	85	210.00	-329.64	40.54	7.00e-05	-248.43	-2.99e-03	-2.42e-04
17	85	253.33	-327.42	40.54	-6.13e-03	-259.20	-5.64e-03	-3.67e-04
17	85	296.67	-325.37	40.55	-4.83e-03	-270.74	-7.74e-03	3.74e-05
17	85	340.00	-312.97	40.54	0.01	-332.07	-4.55e-04	9.70e-04
17	88	0.0	-533.15	42.61	-0.02	-364.18	0.0	-2.23e-03
17	88	52.50	-533.15	42.61	-0.02	-386.55	-9.54e-03	-2.45e-03
17	88	105.00	-532.70	42.59	1.85e-03	-391.95	-8.57e-03	-1.02e-03
17	88	157.50	-531.39	42.59	5.68e-03	-401.46	-5.59e-03	-6.48e-04
17	88	210.00	-529.54	42.60	-1.16e-03	-413.54	-6.20e-03	-8.24e-04
17	88	253.33	-527.60	42.62	-0.01	-423.81	-0.01	-9.79e-04
17	88	296.67	-525.81	42.63	-8.26e-03	-435.06	-0.01	-1.63e-04
17	88	340.00	-503.86	42.62	0.03	-543.11	-8.57e-04	1.63e-03
17	92	0.0	-618.24	6.69	-0.02	-564.82	0.0	-2.67e-03
17	92	52.50	-618.24	6.69	-0.02	-568.33	-8.92e-03	-3.15e-03
17	92	105.00	-617.01	6.68	8.19e-04	-558.60	-8.49e-03	-1.80e-03
17	92	157.50	-614.81	6.69	3.90e-03	-553.52	-6.45e-03	-1.47e-03
17	92	210.00	-612.00	6.70	-4.23e-03	-551.33	-8.67e-03	-1.67e-03
17	92	253.33	-609.16	6.71	-0.02	-550.35	-0.02	-1.78e-03
17	92	296.67	-606.56	6.72	-0.01	-549.87	-0.02	-6.29e-04
17	92	340.00	-576.19	6.75	0.04	-682.70	-1.17e-03	1.82e-03
17	98	0.0	-519.86	5.65	-0.01	-476.45	0.0	-2.18e-03
17	98	52.50	-519.86	5.65	-0.01	-479.41	-7.32e-03	-2.57e-03
17	98	105.00	-518.17	5.64	7.54e-04	-471.33	-6.93e-03	-1.47e-03
17	98	157.50	-515.67	5.65	3.19e-03	-467.12	-5.25e-03	-1.21e-03
17	98	210.00	-512.66	5.66	-3.60e-03	-465.33	-7.14e-03	-1.38e-03
17	98	253.33	-509.69	5.67	-0.01	-464.55	-0.01	-1.48e-03
17	98	296.67	-506.97	5.68	-8.56e-03	-464.19	-0.02	-5.28e-04
17	98	340.00	-481.28	5.70	0.03	-574.09	-9.65e-04	1.49e-03
17	104	0.0	-343.61	11.19	-8.88e-03	-305.25	0.0	-1.25e-03
17	104	52.50	-343.61	11.19	-8.88e-03	-311.13	-4.66e-03	-1.44e-03
17	104	105.00	-341.29	11.19	9.80e-04	-308.95	-4.15e-03	-7.34e-04
17	104	157.50	-338.45	11.19	2.41e-03	-309.28	-2.88e-03	-5.98e-04
17	104	210.00	-335.28	11.20	-2.03e-03	-311.19	-3.95e-03	-7.39e-04
17	104	253.33	-332.23	11.21	-8.37e-03	-313.14	-7.58e-03	-8.25e-04
17	104	296.67	-329.47	11.21	-5.49e-03	-315.40	-9.96e-03	-2.75e-04
17	104	340.00	-313.24	11.22	0.02	-382.29	-5.80e-04	9.20e-04
17	105	0.0	-492.89	12.73	-0.01	-428.13	0.0	-2.04e-03
17	105	52.50	-492.89	12.73	-0.01	-434.81	-7.27e-03	-2.37e-03
17	105	105.00	-491.31	12.72	9.61e-04	-429.93	-6.77e-03	-1.27e-03
17	105	157.50	-488.95	12.73	3.47e-03	-428.74	-4.95e-03	-1.02e-03
17	105	210.00	-486.12	12.73	-2.93e-03	-429.86	-6.48e-03	-1.18e-03
17	105	253.33	-483.30	12.75	-0.01	-431.36	-0.01	-1.29e-03
17	105	296.67	-480.74	12.76	-7.98e-03	-433.36	-0.02	-4.25e-04
17	105	340.00	-457.22	12.77	0.03	-535.93	-8.83e-04	1.42e-03
17	106	0.0	-345.70	3.86	-8.14e-03	-333.09	0.0	-1.26e-03
17	106	52.50	-345.70	3.86	-8.14e-03	-335.12	-4.28e-03	-1.48e-03
17	106	105.00	-343.16	3.85	7.76e-04	-330.18	-3.87e-03	-8.35e-04
17	106	157.50	-340.08	3.86	1.94e-03	-327.75	-2.85e-03	-7.20e-04

17	106	210.00	-336.69	3.86	-2.56e-03	-326.88	-4.19e-03	-8.64e-04
17	106	253.33	-333.43	3.87	-8.93e-03	-326.63	-8.06e-03	-9.40e-04
17	106	296.67	-330.49	3.88	-5.66e-03	-326.57	-0.01	-3.53e-04
17	106	340.00	-313.31	3.90	0.02	-394.85	-6.12e-04	9.08e-04
17	107	0.0	-494.98	5.39	-0.01	-455.97	0.0	-2.05e-03
17	107	52.50	-494.98	5.39	-0.01	-458.80	-6.89e-03	-2.42e-03
17	107	105.00	-493.17	5.39	7.57e-04	-451.16	-6.49e-03	-1.38e-03
17	107	157.50	-490.59	5.39	3.01e-03	-447.21	-4.91e-03	-1.14e-03
17	107	210.00	-487.52	5.40	-3.45e-03	-445.55	-6.72e-03	-1.31e-03
17	107	253.33	-484.51	5.41	-0.01	-444.85	-0.01	-1.40e-03
17	107	296.67	-481.76	5.42	-8.15e-03	-444.53	-0.02	-5.03e-04
17	107	340.00	-457.29	5.44	0.03	-548.48	-9.14e-04	1.41e-03
17	108	0.0	-531.76	183.65	1.82	-20.95	0.48	-0.24
17	108	52.50	-531.76	183.65	1.82	-23.78	0.48	-0.24
17	108	105.00	-578.04	183.53	1.21	-332.91	1.24	-0.25
17	108	157.50	-568.97	183.52	0.64	-446.42	1.71	-0.24
17	108	210.00	-638.88	183.53	-0.23	-813.36	1.82	-0.24
17	108	253.33	-547.57	183.51	-0.89	-457.54	1.66	-0.24
17	108	296.67	-542.67	183.45	-1.43	-400.18	1.11	-0.25
17	108	340.00	-496.40	183.32	-1.86	-653.74	0.41	-0.23
17	111	0.0	-458.20	-172.86	-1.85	-890.98	-0.48	0.24
17	111	52.50	-458.20	-172.86	-1.85	-893.81	-0.49	0.24
17	111	105.00	-408.30	-172.76	-1.21	-569.42	-1.25	0.24
17	111	157.50	-412.20	-172.74	-0.63	-448.00	-1.72	0.23
17	111	210.00	-336.17	-172.73	0.23	-77.74	-1.83	0.24
17	111	253.33	-421.45	-172.69	0.86	-432.15	-1.69	0.24
17	111	296.67	-420.85	-172.61	1.42	-488.87	-1.14	0.25
17	111	340.00	-418.17	-172.44	1.91	-443.23	-0.41	0.24
17	120	0.0	-529.29	205.54	1.80	320.13	0.47	-0.32
17	120	52.50	-529.29	205.54	1.80	317.30	0.47	-0.31
17	120	105.00	-527.69	205.41	1.19	213.33	1.23	-0.32
17	120	157.50	-526.66	205.33	0.68	118.85	1.69	-0.30
17	120	210.00	-525.51	205.23	-0.24	32.42	1.86	-0.30
17	120	253.33	-570.07	205.09	-0.85	-231.35	1.71	-0.30
17	120	296.67	-564.71	204.94	-1.45	-153.13	1.18	-0.31
17	120	340.00	-514.63	204.84	-1.95	-378.33	0.43	-0.29
17	129	0.0	-394.61	432.18	0.66	1214.49	0.18	-0.18
17	129	52.50	-394.61	432.18	0.66	1211.66	0.17	-0.18
17	129	105.00	-408.67	431.93	0.37	1066.88	0.52	-0.18
17	129	157.50	-424.92	431.57	0.25	940.76	0.61	-0.18
17	129	210.00	-416.63	431.05	-0.05	695.16	0.63	-0.18
17	129	253.33	-433.86	430.43	-0.26	479.14	0.37	-0.18
17	129	296.67	-436.27	429.79	-0.44	384.94	0.45	-0.18
17	129	340.00	-441.54	429.31	-0.67	288.01	0.15	-0.17
17	140	0.0	-536.48	206.25	2.04	34.35	0.54	-0.28
17	140	52.50	-536.48	206.25	2.04	31.52	0.53	-0.27
17	140	105.00	-588.81	206.12	1.36	-317.47	1.39	-0.28
17	140	157.50	-578.97	206.11	0.71	-445.87	1.91	-0.27
17	140	210.00	-658.00	206.11	-0.26	-859.31	2.04	-0.27
17	140	253.33	-555.53	206.09	-0.99	-458.97	1.86	-0.27
17	140	296.67	-550.33	206.02	-1.60	-394.50	1.25	-0.28
17	140	340.00	-501.36	205.88	-2.08	-666.74	0.46	-0.26
17	143	0.0	-453.49	-195.46	-2.06	-946.28	-0.54	0.27
17	143	52.50	-453.49	-195.46	-2.06	-949.11	-0.55	0.27
17	143	105.00	-397.53	-195.35	-1.35	-584.86	-1.40	0.27
17	143	157.50	-402.21	-195.33	-0.71	-448.55	-1.92	0.26
17	143	210.00	-317.05	-195.31	0.25	-31.78	-2.05	0.26
17	143	253.33	-413.49	-195.27	0.96	-430.72	-1.89	0.27
17	143	296.67	-413.19	-195.18	1.59	-494.55	-1.28	0.28
17	143	340.00	-413.21	-194.99	2.14	-430.23	-0.46	0.26
17	152	0.0	-533.76	232.33	1.99	421.30	0.52	-0.36
17	152	52.50	-533.76	232.33	1.99	418.47	0.51	-0.35
17	152	105.00	-532.16	232.18	1.32	299.58	1.36	-0.36
17	152	157.50	-531.30	232.09	0.77	191.72	1.88	-0.34
17	152	210.00	-530.33	231.97	-0.26	92.93	2.07	-0.34
17	152	253.33	-580.54	231.82	-0.94	-204.03	1.91	-0.34
17	152	296.67	-574.77	231.63	-1.62	-115.76	1.33	-0.35
17	152	340.00	-521.73	231.52	-2.18	-356.25	0.48	-0.33
17	161	0.0	-382.22	486.53	0.73	1426.26	0.20	-0.21
17	161	52.50	-382.22	486.53	0.73	1423.43	0.19	-0.21
17	161	105.00	-398.18	486.25	0.42	1258.74	0.58	-0.21
17	161	157.50	-416.71	485.84	0.28	1115.46	0.68	-0.20
17	161	210.00	-407.79	485.26	-0.05	838.53	0.70	-0.20
17	161	253.33	-427.52	484.56	-0.28	595.36	0.41	-0.20
17	161	296.67	-430.57	483.84	-0.49	489.32	0.50	-0.20

17	161	340.00	-439.62	483.30	-0.76	392.96	0.17	-0.19
17	172	0.0	-537.81	204.80	1.85	32.13	0.49	-0.27
17	172	52.50	-537.81	204.80	1.85	29.30	0.48	-0.27
17	172	105.00	-588.38	204.66	1.28	-312.28	1.27	-0.28
17	172	157.50	-578.99	204.65	0.70	-442.33	1.78	-0.27
17	172	210.00	-654.29	204.63	-0.21	-844.87	1.92	-0.27
17	172	253.33	-553.75	204.59	-0.91	-459.98	1.77	-0.27
17	172	296.67	-547.97	204.51	-1.52	-399.26	1.19	-0.28
17	172	340.00	-500.92	204.35	-2.00	-665.22	0.44	-0.26
17	175	0.0	-452.15	-194.01	-1.88	-944.06	-0.49	0.27
17	175	52.50	-452.15	-194.01	-1.88	-946.89	-0.50	0.27
17	175	105.00	-397.96	-193.89	-1.28	-590.05	-1.29	0.27
17	175	157.50	-402.19	-193.86	-0.70	-452.08	-1.79	0.26
17	175	210.00	-320.76	-193.83	0.20	-46.23	-1.93	0.26
17	175	253.33	-415.27	-193.77	0.88	-429.72	-1.79	0.27
17	175	296.67	-415.55	-193.67	1.50	-489.80	-1.22	0.28
17	175	340.00	-413.66	-193.46	2.06	-431.74	-0.44	0.26
17	184	0.0	-534.38	243.18	1.77	437.99	0.46	-0.37
17	184	52.50	-534.38	243.18	1.77	435.16	0.46	-0.36
17	184	105.00	-532.80	243.02	1.26	311.35	1.23	-0.37
17	184	157.50	-531.78	242.91	0.78	196.63	1.74	-0.35
17	184	210.00	-530.11	242.76	-0.20	87.48	1.96	-0.35
17	184	253.33	-576.18	242.58	-0.84	-205.09	1.85	-0.35
17	184	296.67	-569.62	242.38	-1.54	-115.66	1.29	-0.36
17	184	340.00	-519.84	242.24	-2.14	-354.07	0.48	-0.34
17	193	0.0	-384.58	488.08	0.65	1423.32	0.18	-0.21
17	193	52.50	-384.58	488.08	0.65	1420.49	0.17	-0.21
17	193	105.00	-399.82	487.80	0.39	1251.96	0.53	-0.21
17	193	157.50	-417.59	487.38	0.28	1104.09	0.63	-0.20
17	193	210.00	-408.95	486.79	-0.03	827.09	0.67	-0.20
17	193	253.33	-427.72	486.09	-0.25	586.99	0.40	-0.20
17	193	296.67	-430.63	485.36	-0.47	482.11	0.49	-0.21
17	193	340.00	-440.04	484.82	-0.74	383.85	0.17	-0.19
17	204	0.0	-545.49	239.42	2.13	118.00	0.56	-0.32
17	204	52.50	-545.49	239.42	2.13	115.17	0.56	-0.32
17	204	105.00	-604.39	239.26	1.49	-283.58	1.47	-0.32
17	204	157.50	-594.11	239.22	0.82	-437.90	2.06	-0.31
17	204	210.00	-681.07	239.19	-0.23	-905.61	2.23	-0.31
17	204	253.33	-564.44	239.13	-1.04	-462.20	2.06	-0.32
17	204	296.67	-557.82	239.02	-1.76	-393.33	1.39	-0.33
17	204	340.00	-508.11	238.81	-2.34	-684.04	0.52	-0.31
17	207	0.0	-444.48	-228.63	-2.16	-1029.93	-0.56	0.32
17	207	52.50	-444.48	-228.63	-2.16	-1032.76	-0.57	0.31
17	207	105.00	-381.95	-228.48	-1.48	-618.75	-1.48	0.32
17	207	157.50	-387.06	-228.44	-0.82	-456.52	-2.07	0.31
17	207	210.00	-293.98	-228.39	0.22	14.51	-2.24	0.31
17	207	253.33	-404.58	-228.31	1.02	-427.49	-2.09	0.32
17	207	296.67	-405.70	-228.18	1.75	-495.72	-1.43	0.33
17	207	340.00	-406.46	-227.93	2.39	-412.93	-0.52	0.31
17	216	0.0	-541.75	296.66	2.06	627.89	0.54	-0.44
17	216	52.50	-541.75	296.66	2.06	625.06	0.53	-0.44
17	216	105.00	-540.30	296.46	1.49	472.73	1.44	-0.44
17	216	157.50	-539.51	296.32	0.94	330.67	2.05	-0.43
17	216	210.00	-537.88	296.12	-0.22	194.32	2.32	-0.43
17	216	253.33	-591.43	295.89	-0.98	-154.09	2.19	-0.43
17	216	296.67	-583.75	295.63	-1.83	-47.50	1.54	-0.43
17	216	340.00	-531.04	295.44	-2.56	-311.02	0.57	-0.41
17	225	0.0	-367.43	574.25	0.75	1754.30	0.20	-0.25
17	225	52.50	-367.43	574.25	0.75	1751.47	0.20	-0.25
17	225	105.00	-385.11	573.91	0.47	1548.78	0.61	-0.25
17	225	157.50	-405.79	573.43	0.34	1370.42	0.74	-0.24
17	225	210.00	-396.42	572.73	-0.03	1044.80	0.79	-0.24
17	225	253.33	-418.86	571.90	-0.29	762.98	0.48	-0.25
17	225	296.67	-422.63	571.05	-0.56	641.19	0.59	-0.25
17	225	340.00	-437.72	570.40	-0.89	541.73	0.20	-0.23
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-888.64	-228.63	-2.56	-1032.76	-2.24	-0.44
			-292.58	574.25	2.39	1754.30	2.32	0.33

Macro	Tipo	Angolo 1-Z (gradi)
18	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2259 DI 2790				

		cm	kN	kN	kN	kN m	kN m	kN m
18	19	0.0	-13.18	0.64	2.07	1.01	0.0	0.16
18	19	40.00	-13.18	0.64	2.07	1.27	0.83	0.25
18	19	80.00	-14.52	0.82	1.66	3.07	1.49	0.18
18	19	120.00	-15.86	1.25	0.89	4.52	1.85	0.10
18	19	165.00	-16.64	1.26	0.42	6.26	2.04	0.02
18	19	210.00	-17.33	1.27	-0.07	7.95	2.00	-0.06
18	19	253.33	-17.64	1.78	-1.19	10.12	1.49	-0.16
18	19	296.67	-18.20	2.43	-1.57	12.63	0.81	-0.20
18	19	340.00	-2.74	3.08	-1.97	1.53	-0.01	-0.17
18	28	0.0	-63.73	4.23	-0.58	18.68	0.0	-0.05
18	28	40.00	-63.73	4.23	-0.58	20.38	-0.23	-0.08
18	28	80.00	-66.65	5.52	-0.48	24.85	-0.43	-0.06
18	28	120.00	-68.46	7.53	-0.26	28.43	-0.53	-0.03
18	28	165.00	-68.25	7.59	-0.12	32.31	-0.59	-7.93e-03
18	28	210.00	-67.34	7.66	0.03	35.68	-0.57	0.02
18	28	253.33	-65.64	9.78	0.37	40.14	-0.41	0.05
18	28	296.67	-64.54	12.24	0.47	46.09	-0.21	0.06
18	28	340.00	-8.59	14.42	0.51	5.43	5.03e-03	0.06
18	72	0.0	-18.01	0.98	1.38	2.96	0.0	0.11
18	72	40.00	-18.01	0.98	1.38	3.35	0.55	0.17
18	72	80.00	-19.32	1.27	1.11	5.24	1.00	0.12
18	72	120.00	-20.51	1.83	0.59	6.74	1.23	0.07
18	72	165.00	-21.01	1.84	0.28	8.50	1.36	0.01
18	72	210.00	-21.36	1.86	-0.05	10.17	1.34	-0.04
18	72	253.33	-21.28	2.51	-0.79	12.36	1.00	-0.11
18	72	296.67	-21.49	3.28	-1.05	14.96	0.54	-0.13
18	72	340.00	-3.13	4.03	-1.32	1.79	-8.33e-03	-0.11
18	80	0.0	-45.00	2.95	-0.39	12.98	0.0	-0.04
18	80	40.00	-45.00	2.95	-0.39	14.16	-0.15	-0.06
18	80	80.00	-47.02	3.86	-0.32	17.32	-0.28	-0.04
18	80	120.00	-48.29	5.26	-0.17	19.83	-0.35	-0.02
18	80	165.00	-48.12	5.30	-0.08	22.57	-0.39	-5.38e-03
18	80	210.00	-47.46	5.35	0.02	24.94	-0.38	0.01
18	80	253.33	-46.21	6.85	0.25	28.12	-0.27	0.03
18	80	296.67	-45.40	8.57	0.31	32.33	-0.14	0.04
18	80	340.00	-6.07	10.09	0.34	3.81	3.39e-03	0.04
18	98	0.0	-34.99	2.21	0.02	9.27	0.0	-2.97e-03
18	98	40.00	-34.99	2.21	0.02	10.15	6.49e-03	-4.14e-03
18	98	80.00	-36.75	2.89	5.88e-03	12.85	8.84e-03	-2.76e-03
18	98	120.00	-38.00	3.97	3.40e-03	14.98	0.01	-1.98e-03
18	98	165.00	-38.09	4.00	3.48e-03	17.37	0.01	-1.15e-03
18	98	210.00	-37.82	4.04	4.52e-03	19.48	0.01	-1.95e-04
18	98	253.33	-37.01	5.23	7.47e-03	22.31	0.02	9.98e-04
18	98	296.67	-36.59	6.60	-2.56e-03	25.93	0.02	2.23e-03
18	98	340.00	-4.99	7.85	-0.04	3.06	5.93e-04	3.09e-03
18	102	0.0	-23.72	1.38	0.29	5.40	0.0	0.02
18	102	40.00	-23.72	1.38	0.29	5.95	0.11	0.03
18	102	80.00	-24.82	1.79	0.23	7.81	0.20	0.02
18	102	120.00	-25.67	2.48	0.12	9.23	0.25	0.01
18	102	165.00	-25.70	2.50	0.06	10.88	0.28	1.74e-03
18	102	210.00	-25.48	2.52	-7.08e-03	12.36	0.28	-8.72e-03
18	102	253.33	-24.79	3.32	-0.15	14.42	0.21	-0.02
18	102	296.67	-24.40	4.20	-0.21	16.95	0.12	-0.03
18	102	340.00	-3.43	5.02	-0.29	1.99	-1.35e-03	-0.02
18	106	0.0	-25.15	1.47	0.01	6.01	0.0	-2.28e-03
18	106	40.00	-25.15	1.47	0.01	6.60	4.87e-03	-3.19e-03
18	106	80.00	-26.20	1.92	4.75e-03	8.45	6.77e-03	-2.15e-03
18	106	120.00	-26.96	2.65	2.82e-03	9.86	7.89e-03	-1.55e-03
18	106	165.00	-26.87	2.67	2.73e-03	11.48	9.12e-03	-8.93e-04
18	106	210.00	-26.51	2.69	3.18e-03	12.91	0.01	-1.46e-04
18	106	253.33	-25.67	3.52	4.72e-03	14.94	0.01	7.68e-04
18	106	296.67	-25.13	4.43	-3.08e-03	17.45	0.01	1.68e-03
18	106	340.00	-3.51	5.27	-0.03	2.05	3.93e-04	2.20e-03
18	107	0.0	-33.58	2.11	0.02	8.80	0.0	-2.87e-03
18	107	40.00	-33.58	2.11	0.02	9.65	6.25e-03	-4.00e-03
18	107	80.00	-35.24	2.75	5.72e-03	12.22	8.54e-03	-2.67e-03
18	107	120.00	-36.42	3.78	3.31e-03	14.25	9.87e-03	-1.92e-03
18	107	165.00	-36.48	3.81	3.37e-03	16.52	0.01	-1.11e-03
18	107	210.00	-36.20	3.85	4.33e-03	18.55	0.01	-1.88e-04
18	107	253.33	-35.39	4.98	7.08e-03	21.26	0.02	9.65e-04
18	107	296.67	-34.95	6.29	-2.63e-03	24.72	0.02	2.15e-03
18	107	340.00	-4.78	7.48	-0.04	2.92	5.64e-04	2.96e-03
18	113	0.0	-7.77	26.47	-0.10	-38.20	-0.01	-0.03
18	113	40.00	-7.77	26.47	-0.10	-37.36	-6.53e-03	-0.03

18	113	80.00	-14.06	31.36	-0.06	-30.43	-0.07	-0.03
18	113	120.00	-28.47	49.97	-0.02	-30.28	-0.09	-0.03
18	113	165.00	-24.06	49.98	0.04	-12.66	-0.10	-0.04
18	113	210.00	-18.91	50.40	0.03	4.58	0.04	-0.04
18	113	253.33	-20.93	33.11	0.01	13.18	0.11	-0.04
18	113	296.67	-23.32	30.87	-2.72e-03	18.70	3.45e-03	-0.04
18	113	340.00	-2.54	32.85	-0.02	1.87	-0.01	-0.04
18	115	0.0	-114.56	-14.71	0.04	81.03	-7.90e-03	-7.35e-03
18	115	40.00	-114.56	-14.71	0.04	81.87	-1.64e-03	-6.75e-03
18	115	80.00	-107.67	-16.45	-0.07	77.34	0.02	3.39e-03
18	115	120.00	-95.77	-27.65	-0.08	76.76	-8.48e-03	0.02
18	115	165.00	-91.00	-27.55	-0.12	64.77	-0.02	0.03
18	115	210.00	-88.06	-27.72	-0.04	52.11	-0.18	0.05
18	115	253.33	-79.27	-12.07	0.11	47.48	-0.23	0.07
18	115	296.67	-69.55	-7.59	0.17	46.41	-0.07	0.08
18	115	340.00	-11.02	-6.58	0.15	5.71	-0.03	0.08
18	136	0.0	74.91	-5.95	0.15	-49.36	0.03	0.04
18	136	40.00	74.91	-5.95	0.15	-48.52	0.03	0.04
18	136	80.00	64.90	-7.64	0.24	-39.72	0.11	0.03
18	136	120.00	60.76	-12.26	0.18	-29.82	0.19	0.01
18	136	165.00	44.63	-12.30	0.18	-25.84	0.25	2.19e-03
18	136	210.00	31.99	-12.44	0.04	-21.13	0.33	-0.03
18	136	253.33	22.40	-8.17	-0.20	-14.25	0.32	-0.05
18	136	296.67	10.17	-6.86	-0.29	-5.64	0.18	-0.06
18	136	340.00	3.20	-6.52	-0.40	-0.57	0.07	-0.07
18	139	0.0	-142.07	10.16	-0.12	66.97	-0.03	-0.05
18	139	40.00	-142.07	10.16	-0.12	67.81	-0.02	-0.04
18	139	80.00	-135.39	13.14	-0.23	64.16	-0.09	-0.04
18	139	120.00	-133.60	19.82	-0.18	58.33	-0.17	-0.02
18	139	165.00	-117.60	19.92	-0.17	58.89	-0.22	-4.41e-03
18	139	210.00	-104.40	20.13	-0.03	58.22	-0.30	0.03
18	139	253.33	-93.19	18.14	0.21	56.76	-0.28	0.06
18	139	296.67	-80.08	19.44	0.28	55.09	-0.15	0.07
18	139	340.00	-12.75	21.48	0.32	6.41	-0.07	0.08
18	145	0.0	-4.44	29.51	-0.12	-44.15	-0.01	-0.03
18	145	40.00	-4.44	29.51	-0.12	-43.30	-8.01e-03	-0.03
18	145	80.00	-11.30	34.93	-0.06	-35.82	-0.08	-0.04
18	145	120.00	-27.39	55.73	-0.02	-35.90	-0.10	-0.04
18	145	165.00	-22.44	55.74	0.04	-16.35	-0.12	-0.04
18	145	210.00	-16.69	56.21	0.04	2.80	0.04	-0.04
18	145	253.33	-19.09	36.62	0.01	12.15	0.12	-0.05
18	145	296.67	-21.85	33.94	-3.02e-03	17.94	2.21e-03	-0.05
18	145	340.00	-2.26	36.01	-0.02	1.73	-0.02	-0.05
18	147	0.0	-124.88	-16.82	0.04	90.19	-8.73e-03	-7.87e-03
18	147	40.00	-124.88	-16.82	0.04	91.03	-2.48e-03	-7.05e-03
18	147	80.00	-116.90	-18.86	-0.08	85.59	0.02	4.21e-03
18	147	120.00	-103.33	-31.59	-0.09	84.68	-0.01	0.02
18	147	165.00	-97.94	-31.48	-0.14	70.89	-0.03	0.03
18	147	210.00	-94.63	-31.68	-0.04	56.36	-0.21	0.06
18	147	253.33	-84.81	-14.21	0.13	50.79	-0.26	0.08
18	147	296.67	-73.90	-9.32	0.19	49.14	-0.08	0.09
18	147	340.00	-11.82	-8.34	0.17	6.07	-0.03	0.09
18	168	0.0	88.78	-6.97	0.17	-56.82	0.03	0.05
18	168	40.00	88.78	-6.97	0.17	-55.97	0.04	0.04
18	168	80.00	77.71	-8.97	0.27	-46.38	0.12	0.03
18	168	120.00	73.15	-14.31	0.20	-35.47	0.21	0.02
18	168	165.00	54.97	-14.36	0.20	-31.25	0.28	2.55e-03
18	168	210.00	40.67	-14.51	0.04	-26.17	0.36	-0.04
18	168	253.33	29.73	-9.85	-0.22	-18.74	0.35	-0.06
18	168	296.67	15.85	-8.52	-0.32	-9.47	0.20	-0.07
18	168	340.00	4.21	-8.30	-0.44	-1.02	0.08	-0.08
18	171	0.0	-155.95	11.19	-0.14	74.42	-0.03	-0.05
18	171	40.00	-155.95	11.19	-0.14	75.27	-0.02	-0.05
18	171	80.00	-148.19	14.47	-0.26	70.82	-0.11	-0.04
18	171	120.00	-145.99	21.87	-0.20	63.97	-0.19	-0.02
18	171	165.00	-127.94	21.98	-0.19	64.30	-0.25	-4.77e-03
18	171	210.00	-113.08	22.21	-0.03	63.26	-0.34	0.04
18	171	253.33	-100.51	19.82	0.23	61.25	-0.32	0.06
18	171	296.67	-85.76	21.11	0.32	58.91	-0.17	0.08
18	171	340.00	-13.77	23.26	0.37	6.85	-0.08	0.08
18	177	0.0	-2.82	28.28	-0.11	-43.77	-0.01	-0.03
18	177	40.00	-2.82	28.28	-0.11	-42.93	-7.32e-03	-0.03
18	177	80.00	-9.75	33.43	-0.06	-35.42	-0.08	-0.04
18	177	120.00	-25.68	53.36	-0.02	-35.15	-0.09	-0.04
18	177	165.00	-21.27	53.38	0.04	-16.04	-0.11	-0.04

18	177	210.00	-16.25	53.84	0.04	2.79	0.04	-0.04
18	177	253.33	-19.11	35.14	0.01	12.24	0.12	-0.05
18	177	296.67	-22.36	32.72	-4.13e-03	18.26	2.63e-03	-0.05
18	177	340.00	-2.24	34.77	-0.03	1.71	-0.01	-0.05
18	187	0.0	-131.46	-9.10	0.06	84.98	0.02	-3.83e-03
18	187	40.00	-131.46	-9.10	0.06	85.83	0.02	-2.95e-03
18	187	80.00	-123.87	-9.93	-0.07	80.44	0.02	8.63e-03
18	187	120.00	-112.70	-17.07	-0.09	77.86	-2.03e-03	0.02
18	187	165.00	-104.51	-17.13	-0.13	67.78	-0.02	0.04
18	187	210.00	-97.45	-17.49	-0.05	56.76	-0.19	0.06
18	187	253.33	-85.93	-6.96	0.12	51.67	-0.23	0.08
18	187	296.67	-73.66	-4.02	0.08	49.48	-0.06	0.09
18	187	340.00	-12.05	-3.11	0.16	6.20	-0.03	0.09
18	200	0.0	89.59	-7.06	0.15	-57.35	0.03	0.04
18	200	40.00	89.59	-7.06	0.15	-56.50	0.03	0.04
18	200	80.00	78.41	-9.10	0.25	-46.82	0.11	0.03
18	200	120.00	73.50	-14.48	0.20	-35.85	0.20	0.01
18	200	165.00	55.36	-14.52	0.19	-31.48	0.26	1.98e-03
18	200	210.00	40.86	-14.66	0.05	-26.23	0.35	-0.04
18	200	253.33	29.64	-9.93	-0.21	-18.62	0.34	-0.06
18	200	296.67	15.56	-8.55	-0.31	-9.22	0.19	-0.07
18	200	340.00	4.22	-8.30	-0.43	-1.03	0.08	-0.08
18	203	0.0	-156.75	11.27	-0.12	74.95	-0.03	-0.05
18	203	40.00	-156.75	11.27	-0.12	75.80	-0.02	-0.05
18	203	80.00	-148.89	14.59	-0.24	71.26	-0.10	-0.04
18	203	120.00	-146.34	22.04	-0.19	64.35	-0.18	-0.02
18	203	165.00	-128.33	22.14	-0.19	64.53	-0.24	-4.21e-03
18	203	210.00	-113.27	22.35	-0.04	63.32	-0.32	0.04
18	203	253.33	-100.43	19.90	0.22	61.13	-0.30	0.06
18	203	296.67	-85.47	21.13	0.30	58.66	-0.16	0.08
18	203	340.00	-13.77	23.26	0.35	6.87	-0.08	0.08
18	209	0.0	3.59	32.17	-0.14	-52.83	-0.02	-0.03
18	209	40.00	3.59	32.17	-0.14	-51.99	-9.79e-03	-0.04
18	209	80.00	-4.31	37.95	-0.07	-43.60	-0.09	-0.04
18	209	120.00	-22.75	60.68	-0.02	-43.44	-0.11	-0.04
18	209	165.00	-17.86	60.70	0.05	-21.61	-0.13	-0.05
18	209	210.00	-12.42	61.24	0.05	-0.02	0.05	-0.05
18	209	253.33	-16.19	39.56	0.01	10.66	0.14	-0.06
18	209	296.67	-20.34	36.63	-4.26e-03	17.25	-2.81e-04	-0.06
18	209	340.00	-1.77	38.83	-0.03	1.49	-0.02	-0.05
18	219	0.0	-151.75	-10.64	0.07	99.98	0.02	-3.31e-03
18	219	40.00	-151.75	-10.64	0.07	100.82	0.02	-2.03e-03
18	219	80.00	-142.27	-11.62	-0.09	93.81	0.03	0.01
18	219	120.00	-128.60	-19.91	-0.11	90.12	-2.64e-03	0.03
18	219	165.00	-118.52	-20.01	-0.16	77.74	-0.03	0.04
18	219	210.00	-109.72	-20.47	-0.06	64.25	-0.22	0.07
18	219	253.33	-95.78	-8.66	0.14	57.52	-0.27	0.09
18	219	296.67	-80.89	-5.58	0.10	54.07	-0.08	0.11
18	219	340.00	-13.47	-4.75	0.20	6.86	-0.04	0.11
18	232	0.0	111.67	-8.57	0.17	-69.45	0.03	0.05
18	232	40.00	111.67	-8.57	0.17	-68.60	0.04	0.05
18	232	80.00	98.75	-11.06	0.30	-57.59	0.13	0.04
18	232	120.00	92.92	-17.49	0.23	-45.03	0.23	0.02
18	232	165.00	71.66	-17.54	0.23	-40.12	0.30	2.14e-03
18	232	210.00	54.50	-17.70	0.05	-34.15	0.40	-0.05
18	232	253.33	41.02	-12.39	-0.24	-25.56	0.39	-0.07
18	232	296.67	24.26	-10.99	-0.36	-15.03	0.22	-0.09
18	232	340.00	5.80	-10.89	-0.50	-1.74	0.09	-0.09
18	235	0.0	-178.84	12.78	-0.14	87.05	-0.03	-0.06
18	235	40.00	-178.84	12.78	-0.14	87.90	-0.03	-0.06
18	235	80.00	-169.23	16.55	-0.29	82.03	-0.11	-0.04
18	235	120.00	-165.76	25.05	-0.22	73.53	-0.21	-0.02
18	235	165.00	-144.63	25.16	-0.22	73.17	-0.28	-4.36e-03
18	235	210.00	-126.91	25.39	-0.05	71.24	-0.38	0.05
18	235	253.33	-111.81	22.36	0.26	68.07	-0.36	0.08
18	235	296.67	-94.16	23.57	0.36	64.47	-0.19	0.09
18	235	340.00	-15.35	25.85	0.42	7.58	-0.09	0.10
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-178.84	-31.68	-1.97	-69.45	-0.59	-0.20
			111.67	61.24	2.07	100.82	2.04	0.25

Macro	Tipo	Angolo 1-Z (gradi)
19	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
19	15	0.0	-3.69	0.13	1.49	-0.08	0.0	-8.46e-03
19	15	40.00	-3.69	0.13	1.49	-0.02	0.60	-0.01
19	15	80.00	-3.41	0.07	1.35	-0.04	1.14	-8.88e-03
19	15	120.00	-3.64	0.10	0.58	-0.05	1.37	-2.81e-03
19	15	165.00	-3.38	0.10	0.37	2.62e-04	1.53	9.61e-05
19	15	210.00	-3.10	0.10	0.14	0.05	1.59	3.53e-03
19	15	253.33	-1.92	-0.07	-1.26	-4.04e-03	1.05	9.47e-03
19	15	253.33	-1.92	-0.07	-1.26	-4.04e-03	1.05	9.47e-03
19	15	296.67	-0.37	-0.25	-1.17	0.06	0.51	9.79e-03
19	15	296.67	-0.37	-0.25	-1.17	0.06	0.51	9.79e-03
19	15	340.00	-0.37	-0.25	-1.17	-0.05	0.0	6.81e-03
19	19	0.0	-2.87	0.08	1.49	-0.05	0.0	-8.56e-03
19	19	40.00	-2.87	0.08	1.49	-0.02	0.60	-0.01
19	19	80.00	-2.67	0.04	1.35	-0.03	1.14	-8.98e-03
19	19	120.00	-2.85	0.08	0.58	-0.03	1.37	-2.86e-03
19	19	165.00	-2.64	0.08	0.37	1.36e-03	1.53	7.58e-05
19	19	210.00	-2.43	0.08	0.14	0.04	1.59	3.54e-03
19	19	253.33	-1.52	-0.04	-1.25	5.98e-04	1.05	9.52e-03
19	19	253.33	-1.52	-0.04	-1.25	5.98e-04	1.05	9.52e-03
19	19	296.67	-0.29	-0.14	-1.17	0.03	0.51	9.84e-03
19	19	296.67	-0.29	-0.14	-1.17	0.03	0.51	9.84e-03
19	19	340.00	-0.29	-0.14	-1.17	-0.03	0.0	6.84e-03
19	28	0.0	-3.37	0.36	-0.45	-0.15	0.0	3.13e-03
19	28	40.00	-3.37	0.36	-0.45	-3.44e-03	-0.18	4.59e-03
19	28	80.00	-3.03	0.19	-0.40	-0.05	-0.34	3.30e-03
19	28	120.00	-3.23	0.15	-0.17	-0.08	-0.41	1.10e-03
19	28	165.00	-2.96	0.15	-0.11	-8.46e-03	-0.46	5.50e-05
19	28	210.00	-2.68	0.15	-0.04	0.06	-0.48	-1.16e-03
19	28	253.33	-1.55	-0.20	0.38	-0.03	-0.31	-3.26e-03
19	28	253.33	-1.55	-0.20	0.38	-0.03	-0.31	-3.26e-03
19	28	296.67	-0.29	-0.64	0.35	0.14	-0.15	-3.39e-03
19	28	296.67	-0.29	-0.64	0.35	0.14	-0.15	-3.39e-03
19	28	340.00	-0.29	-0.64	0.35	-0.14	0.0	-2.36e-03
19	32	0.0	-2.56	0.30	-0.45	-0.12	0.0	3.03e-03
19	32	40.00	-2.56	0.30	-0.45	-1.86e-03	-0.18	4.45e-03
19	32	80.00	-2.28	0.16	-0.40	-0.04	-0.34	3.20e-03
19	32	120.00	-2.43	0.13	-0.17	-0.06	-0.41	1.05e-03
19	32	165.00	-2.23	0.13	-0.11	-7.36e-03	-0.46	3.46e-05
19	32	210.00	-2.01	0.13	-0.04	0.05	-0.48	-1.16e-03
19	32	253.33	-1.15	-0.17	0.38	-0.02	-0.31	-3.21e-03
19	32	253.33	-1.15	-0.17	0.38	-0.02	-0.31	-3.21e-03
19	32	296.67	-0.22	-0.54	0.35	0.12	-0.15	-3.34e-03
19	32	296.67	-0.22	-0.54	0.35	0.12	-0.15	-3.34e-03
19	32	340.00	-0.22	-0.54	0.35	-0.11	0.0	-2.32e-03
19	72	0.0	-2.84	0.10	0.99	-0.06	0.0	-5.62e-03
19	72	40.00	-2.84	0.10	0.99	-0.02	0.40	-8.23e-03
19	72	80.00	-2.63	0.05	0.90	-0.03	0.76	-5.89e-03
19	72	120.00	-2.81	0.07	0.39	-0.03	0.91	-1.86e-03
19	72	165.00	-2.60	0.07	0.24	6.90e-05	1.02	6.86e-05
19	72	210.00	-2.39	0.07	0.09	0.03	1.06	2.35e-03
19	72	253.33	-1.48	-0.05	-0.84	-4.05e-03	0.70	6.30e-03
19	72	253.33	-1.48	-0.05	-0.84	-4.05e-03	0.70	6.30e-03
19	72	296.67	-0.29	-0.19	-0.78	0.04	0.34	6.51e-03
19	72	296.67	-0.29	-0.19	-0.78	0.04	0.34	6.51e-03
19	72	340.00	-0.29	-0.19	-0.78	-0.04	0.0	4.53e-03
19	80	0.0	-2.63	0.25	-0.30	-0.10	0.0	2.11e-03
19	80	40.00	-2.63	0.25	-0.30	-2.59e-03	-0.12	3.09e-03
19	80	80.00	-2.37	0.13	-0.27	-0.03	-0.23	2.23e-03
19	80	120.00	-2.53	0.11	-0.12	-0.05	-0.27	7.42e-04
19	80	165.00	-2.33	0.11	-0.07	-5.75e-03	-0.31	4.12e-05
19	80	210.00	-2.11	0.11	-0.03	0.04	-0.32	-7.78e-04
19	80	253.33	-1.24	-0.14	0.25	-0.02	-0.21	-2.19e-03
19	80	253.33	-1.24	-0.14	0.25	-0.02	-0.21	-2.19e-03
19	80	296.67	-0.23	-0.45	0.23	0.10	-0.10	-2.27e-03
19	80	296.67	-0.23	-0.45	0.23	0.10	-0.10	-2.27e-03
19	80	340.00	-0.23	-0.45	0.23	-0.10	0.0	-1.58e-03
19	98	0.0	-2.71	0.19	7.49e-04	-0.08	0.0	3.20e-04
19	98	40.00	-2.71	0.19	7.49e-04	-5.58e-03	3.00e-04	4.73e-04
19	98	80.00	-2.47	0.10	8.35e-04	-0.03	6.34e-04	3.52e-04
19	98	120.00	-2.63	0.09	-1.32e-04	-0.04	5.81e-04	1.53e-04
19	98	165.00	-2.43	0.09	-1.32e-04	-3.93e-03	5.22e-04	7.06e-05

19	98	210.00	-2.21	0.09	-1.34e-04	0.04	4.62e-04	-1.52e-05
19	98	253.33	-1.33	-0.11	-7.04e-04	-0.02	1.58e-04	-1.53e-04
19	98	253.33	-1.33	-0.11	-7.04e-04	-0.02	1.58e-04	-1.53e-04
19	98	296.67	-0.25	-0.35	1.45e-04	0.08	-6.33e-05	-1.66e-04
19	98	296.67	-0.25	-0.35	1.45e-04	0.08	-6.33e-05	-1.66e-04
19	98	340.00	-0.25	-0.35	1.46e-04	-0.07	0.0	-1.18e-04
19	102	0.0	-2.81	0.12	0.20	-0.05	0.0	-9.34e-04
19	102	40.00	-2.81	0.12	0.20	-5.95e-03	0.08	-1.37e-03
19	102	80.00	-2.59	0.06	0.18	-0.02	0.15	-9.70e-04
19	102	120.00	-2.77	0.06	0.08	-0.03	0.18	-2.84e-04
19	102	165.00	-2.56	0.06	0.05	-1.60e-03	0.20	5.26e-05
19	102	210.00	-2.35	0.06	0.02	0.03	0.21	4.56e-04
19	102	253.33	-1.45	-0.07	-0.17	-0.01	0.14	1.16e-03
19	102	253.33	-1.45	-0.07	-0.17	-0.01	0.14	1.16e-03
19	102	296.67	-0.28	-0.23	-0.16	0.05	0.07	1.19e-03
19	102	296.67	-0.28	-0.23	-0.16	0.05	0.07	1.19e-03
19	102	340.00	-0.28	-0.23	-0.16	-0.05	0.0	8.28e-04
19	106	0.0	-2.80	0.13	5.72e-04	-0.05	0.0	2.37e-04
19	106	40.00	-2.80	0.13	5.71e-04	-3.53e-03	2.29e-04	3.50e-04
19	106	80.00	-2.58	0.06	6.37e-04	-0.02	4.84e-04	2.60e-04
19	106	120.00	-2.76	0.06	-1.03e-04	-0.03	4.43e-04	1.11e-04
19	106	165.00	-2.55	0.06	-1.03e-04	-2.02e-03	3.96e-04	4.85e-05
19	106	210.00	-2.34	0.06	-1.04e-04	0.02	3.50e-04	-1.78e-05
19	106	253.33	-1.44	-0.07	-5.40e-04	-0.01	1.16e-04	-1.25e-04
19	106	253.33	-1.44	-0.07	-5.40e-04	-0.01	1.16e-04	-1.25e-04
19	106	296.67	-0.28	-0.24	1.20e-04	0.05	-5.23e-05	-1.37e-04
19	106	296.67	-0.28	-0.24	1.20e-04	0.05	-5.23e-05	-1.37e-04
19	106	340.00	-0.28	-0.24	1.20e-04	-0.05	0.0	-9.71e-05
19	107	0.0	-2.72	0.18	7.24e-04	-0.08	0.0	3.08e-04
19	107	40.00	-2.72	0.18	7.23e-04	-5.28e-03	2.89e-04	4.56e-04
19	107	80.00	-2.48	0.09	8.07e-04	-0.03	6.12e-04	3.39e-04
19	107	120.00	-2.65	0.08	-1.28e-04	-0.04	5.61e-04	1.47e-04
19	107	165.00	-2.45	0.08	-1.28e-04	-3.66e-03	5.04e-04	6.75e-05
19	107	210.00	-2.23	0.08	-1.29e-04	0.03	4.46e-04	-1.55e-05
19	107	253.33	-1.35	-0.10	-6.80e-04	-0.02	1.52e-04	-1.49e-04
19	107	253.33	-1.35	-0.10	-6.80e-04	-0.02	1.52e-04	-1.49e-04
19	107	296.67	-0.26	-0.34	1.42e-04	0.07	-6.17e-05	-1.62e-04
19	107	296.67	-0.26	-0.34	1.42e-04	0.07	-6.17e-05	-1.62e-04
19	107	340.00	-0.26	-0.34	1.42e-04	-0.07	0.0	-1.15e-04
19	108	0.0	-4.09	8.03	0.03	-4.31	3.99e-03	-0.01
19	108	40.00	-4.09	8.03	0.03	-4.24	4.28e-03	-0.01
19	108	80.00	-3.72	5.18	0.05	-4.63	0.02	-0.01
19	108	120.00	-2.82	14.97	-0.01	-9.15	0.01	-9.22e-03
19	108	165.00	-2.62	14.97	-4.95e-03	-2.83	4.10e-04	-8.07e-03
19	108	210.00	-2.36	14.96	-0.02	3.82	-3.67e-03	-8.55e-03
19	108	253.33	-0.88	2.73	-0.04	2.31	0.10	-0.01
19	108	253.33	-0.88	2.73	-0.04	2.31	0.10	-0.01
19	108	296.67	-0.17	5.02	-0.02	0.37	8.73e-03	-0.01
19	108	296.67	-0.17	5.02	-0.02	0.37	8.73e-03	-0.01
19	108	340.00	-0.17	5.02	-0.02	0.23	8.80e-03	-0.01
19	123	0.0	-1.93	-3.75	-0.05	2.07	-7.84e-03	0.02
19	123	40.00	-1.93	-3.75	-0.05	2.14	-7.55e-03	0.02
19	123	80.00	-1.81	-2.46	-0.07	2.31	-0.03	0.02
19	123	120.00	-2.37	-7.48	-7.35e-03	4.58	-0.03	0.01
19	123	165.00	-2.23	-7.48	-0.01	1.43	-0.03	0.01
19	123	210.00	-2.08	-7.47	8.94e-03	-1.89	-0.13	9.00e-03
19	123	253.33	-1.49	-1.56	0.07	-1.20	-0.12	0.01
19	123	253.33	-1.49	-1.56	0.07	-1.20	-0.12	0.01
19	123	296.67	-0.29	-3.12	0.04	-0.08	-0.02	0.01
19	123	296.67	-0.29	-3.12	0.04	-0.08	-0.02	0.01
19	123	340.00	-0.29	-3.12	0.04	-0.22	-0.02	0.01
19	133	0.0	-3.31	5.85	-0.19	-2.97	-0.04	2.33e-03
19	133	40.00	-3.31	5.85	-0.19	-2.90	-0.04	2.43e-03
19	133	80.00	-3.05	3.72	-0.21	-3.17	-0.12	2.22e-03
19	133	120.00	-2.07	10.25	-0.15	-6.27	-0.19	1.19e-03
19	133	165.00	-2.12	10.25	-0.12	-1.95	-0.24	7.80e-04
19	133	210.00	-1.97	10.24	-0.05	2.61	-0.27	-6.61e-03
19	133	253.33	-0.67	1.69	0.23	1.57	-0.21	-8.99e-03
19	133	253.33	-0.67	1.69	0.23	1.57	-0.21	-8.99e-03
19	133	296.67	-0.14	3.01	0.20	0.28	-0.04	-8.80e-03
19	133	296.67	-0.14	3.01	0.20	0.28	-0.04	-8.80e-03
19	133	340.00	-0.14	3.01	0.20	0.13	-0.04	-8.82e-03
19	140	0.0	-4.25	9.01	0.04	-4.84	4.43e-03	-0.02
19	140	40.00	-4.25	9.01	0.04	-4.77	4.71e-03	-0.02
19	140	80.00	-3.88	5.82	0.06	-5.21	0.02	-0.02

19	140	120.00	-2.84	16.83	-0.01	-10.28	0.02	-0.01
19	140	165.00	-2.65	16.83	-5.50e-03	-3.19	1.67e-04	-9.09e-03
19	140	210.00	-2.38	16.82	-0.02	4.30	-4.32e-03	-9.63e-03
19	140	253.33	-0.82	3.08	-0.05	2.60	0.11	-0.01
19	140	253.33	-0.82	3.08	-0.05	2.60	0.11	-0.01
19	140	296.67	-0.16	5.69	-0.02	0.41	9.81e-03	-0.01
19	140	296.67	-0.16	5.69	-0.02	0.41	9.81e-03	-0.01
19	140	340.00	-0.16	5.69	-0.02	0.26	9.87e-03	-0.01
19	155	0.0	-1.84	-4.21	-0.06	2.32	-8.76e-03	0.02
19	155	40.00	-1.84	-4.21	-0.06	2.40	-8.47e-03	0.02
19	155	80.00	-1.73	-2.76	-0.07	2.59	-0.03	0.02
19	155	120.00	-2.33	-8.37	-8.20e-03	5.13	-0.04	0.01
19	155	165.00	-2.21	-8.37	-0.01	1.60	-0.03	0.01
19	155	210.00	-2.06	-8.36	0.01	-2.12	-0.15	0.01
19	155	253.33	-1.50	-1.74	0.08	-1.34	-0.13	0.01
19	155	253.33	-1.50	-1.74	0.08	-1.34	-0.13	0.01
19	155	296.67	-0.29	-3.45	0.05	-0.09	-0.02	0.01
19	155	296.67	-0.29	-3.45	0.05	-0.09	-0.02	0.01
19	155	340.00	-0.29	-3.45	0.05	-0.24	-0.02	0.01
19	165	0.0	-3.38	6.55	-0.21	-3.33	-0.04	2.59e-03
19	165	40.00	-3.38	6.55	-0.21	-3.25	-0.04	2.68e-03
19	165	80.00	-3.12	4.17	-0.23	-3.56	-0.13	2.47e-03
19	165	120.00	-2.00	11.51	-0.16	-7.04	-0.21	1.33e-03
19	165	165.00	-2.07	11.51	-0.13	-2.19	-0.26	8.78e-04
19	165	210.00	-1.94	11.50	-0.06	2.93	-0.31	-7.45e-03
19	165	253.33	-0.59	1.92	0.26	1.77	-0.23	-0.01
19	165	253.33	-0.59	1.92	0.26	1.77	-0.23	-0.01
19	165	296.67	-0.12	3.43	0.23	0.30	-0.05	-9.89e-03
19	165	296.67	-0.12	3.43	0.23	0.30	-0.05	-9.89e-03
19	165	340.00	-0.12	3.43	0.23	0.16	-0.05	-9.91e-03
19	172	0.0	-4.18	8.63	0.04	-4.65	4.07e-03	-0.02
19	172	40.00	-4.18	8.63	0.04	-4.58	4.36e-03	-0.02
19	172	80.00	-3.85	5.58	0.05	-5.00	0.02	-0.02
19	172	120.00	-2.85	16.16	-0.01	-9.87	0.01	-0.01
19	172	165.00	-2.65	16.16	-4.54e-03	-3.06	-5.99e-04	-9.01e-03
19	172	210.00	-2.39	16.15	-0.02	4.13	-4.03e-03	-9.56e-03
19	172	253.33	-0.85	2.96	-0.05	2.50	0.11	-0.01
19	172	253.33	-0.85	2.96	-0.05	2.50	0.11	-0.01
19	172	296.67	-0.16	5.47	-0.02	0.40	9.47e-03	-0.01
19	172	296.67	-0.16	5.47	-0.02	0.40	9.47e-03	-0.01
19	172	340.00	-0.16	5.47	-0.02	0.25	9.53e-03	-0.01
19	187	0.0	-1.89	-3.80	-0.05	2.13	-8.35e-03	0.02
19	187	40.00	-1.89	-3.80	-0.05	2.20	-8.06e-03	0.02
19	187	80.00	-1.78	-2.50	-0.07	2.37	-0.03	0.02
19	187	120.00	-2.32	-7.67	-7.89e-03	4.70	-0.04	0.01
19	187	165.00	-2.19	-7.67	-0.01	1.47	-0.03	0.01
19	187	210.00	-2.04	-7.66	9.35e-03	-1.94	-0.14	0.01
19	187	253.33	-1.47	-1.62	0.08	-1.23	-0.13	0.01
19	187	253.33	-1.47	-1.62	0.08	-1.23	-0.13	0.01
19	187	296.67	-0.28	-3.23	0.05	-0.08	-0.02	0.01
19	187	296.67	-0.28	-3.23	0.05	-0.08	-0.02	0.01
19	187	340.00	-0.28	-3.23	0.05	-0.23	-0.02	0.01
19	197	0.0	-3.34	6.33	-0.20	-3.21	-0.04	2.61e-03
19	197	40.00	-3.34	6.33	-0.20	-3.14	-0.04	2.70e-03
19	197	80.00	-3.10	4.03	-0.22	-3.44	-0.12	2.49e-03
19	197	120.00	-2.02	11.10	-0.16	-6.79	-0.20	1.35e-03
19	197	165.00	-2.08	11.10	-0.13	-2.11	-0.25	8.98e-04
19	197	210.00	-1.94	11.09	-0.06	2.83	-0.30	-7.43e-03
19	197	253.33	-0.62	1.84	0.25	1.70	-0.22	-9.99e-03
19	197	253.33	-0.62	1.84	0.25	1.70	-0.22	-9.99e-03
19	197	296.67	-0.12	3.29	0.22	0.29	-0.05	-9.78e-03
19	197	296.67	-0.12	3.29	0.22	0.29	-0.05	-9.78e-03
19	197	340.00	-0.12	3.29	0.22	0.15	-0.05	-9.80e-03
19	204	0.0	-4.41	9.90	0.04	-5.34	4.76e-03	-0.02
19	204	40.00	-4.41	9.90	0.04	-5.27	5.04e-03	-0.02
19	204	80.00	-4.06	6.40	0.06	-5.75	0.02	-0.02
19	204	120.00	-2.88	18.60	-0.02	-11.36	0.02	-0.01
19	204	165.00	-2.69	18.60	-5.12e-03	-3.52	-8.38e-04	-0.01
19	204	210.00	-2.43	18.58	-0.02	4.75	-4.62e-03	-0.01
19	204	253.33	-0.78	3.43	-0.06	2.88	0.12	-0.01
19	204	253.33	-0.78	3.43	-0.06	2.88	0.12	-0.01
19	204	296.67	-0.15	6.36	-0.02	0.44	0.01	-0.01
19	204	296.67	-0.15	6.36	-0.02	0.44	0.01	-0.01
19	204	340.00	-0.15	6.36	-0.02	0.30	0.01	-0.01
19	219	0.0	-1.76	-4.39	-0.06	2.47	-9.76e-03	0.03

19	219	40.00	-1.76	-4.39	-0.06	2.54	-9.47e-03	0.03
19	219	80.00	-1.66	-2.89	-0.09	2.74	-0.03	0.02
19	219	120.00	-2.25	-8.87	-8.83e-03	5.43	-0.04	0.02
19	219	165.00	-2.14	-8.87	-0.02	1.69	-0.03	0.01
19	219	210.00	-2.00	-8.86	0.01	-2.25	-0.17	0.01
19	219	253.33	-1.48	-1.87	0.09	-1.41	-0.15	0.02
19	219	253.33	-1.48	-1.87	0.09	-1.41	-0.15	0.02
19	219	296.67	-0.28	-3.70	0.06	-0.10	-0.03	0.02
19	219	296.67	-0.28	-3.70	0.06	-0.10	-0.03	0.02
19	219	340.00	-0.28	-3.70	0.06	-0.25	-0.03	0.02
19	229	0.0	-3.44	7.27	-0.23	-3.69	-0.05	3.11e-03
19	229	40.00	-3.44	7.27	-0.23	-3.62	-0.05	3.19e-03
19	229	80.00	-3.19	4.63	-0.26	-3.96	-0.15	2.96e-03
19	229	120.00	-1.92	12.79	-0.18	-7.82	-0.23	1.62e-03
19	229	165.00	-2.02	12.79	-0.15	-2.43	-0.30	1.09e-03
19	229	210.00	-1.89	12.78	-0.07	3.26	-0.34	-8.75e-03
19	229	253.33	-0.51	2.14	0.29	1.97	-0.26	-0.01
19	229	253.33	-0.51	2.14	0.29	1.97	-0.26	-0.01
19	229	296.67	-0.10	3.84	0.25	0.33	-0.05	-0.01
19	229	296.67	-0.10	3.84	0.25	0.33	-0.05	-0.01
19	229	340.00	-0.10	3.84	0.25	0.18	-0.05	-0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-4.41	-8.87	-1.26	-11.36	-0.48	-0.02
	-0.10	18.60	1.49	5.43	1.59	0.03

Macro	Tipo	Angolo 1-Z (gradi)
20	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
20	7	700.00	-64.55	-12.78	0.23	67.03	0.04	-0.04
20	7	752.50	-62.69	-13.19	0.98	63.86	0.35	-0.04
20	7	805.00	-58.73	-14.17	0.69	50.16	0.58	0.01
20	7	857.50	-54.03	-13.53	0.45	38.23	0.87	0.01
20	7	910.00	-49.68	-12.82	-0.03	25.99	1.01	2.08e-03
20	7	960.00	-46.59	-12.17	-0.84	16.86	0.73	-0.01
20	7	1010.00	-44.35	-11.57	-1.26	6.49	0.24	-2.46e-03
20	7	1060.00	-40.54	-8.74	-0.43	6.74	0.0	-0.05
20	17	700.00	-91.48	-17.75	0.51	61.71	0.04	-0.04
20	17	752.50	-89.61	-18.18	1.30	58.99	0.51	-0.04
20	17	805.00	-84.94	-19.24	0.96	44.09	0.89	9.74e-03
20	17	857.50	-79.05	-18.18	0.58	32.30	1.29	0.01
20	17	910.00	-73.51	-17.03	-0.10	20.01	1.45	2.33e-03
20	17	960.00	-69.38	-15.98	-1.14	11.05	1.07	-0.01
20	17	1010.00	-66.16	-15.06	-1.72	0.63	0.39	-5.71e-04
20	17	1060.00	-61.03	-12.23	-0.72	2.76	0.0	-0.06
20	18	700.00	-119.39	-17.18	0.48	60.71	0.04	-0.05
20	18	752.50	-117.63	-17.63	1.31	56.88	0.51	-0.04
20	18	805.00	-113.34	-18.76	0.98	39.61	0.89	0.01
20	18	857.50	-107.48	-17.69	0.60	26.63	1.30	0.01
20	18	910.00	-102.00	-16.54	-0.10	13.13	1.47	3.03e-03
20	18	960.00	-97.98	-15.50	-1.19	3.14	1.08	-0.01
20	18	1010.00	-94.89	-14.60	-1.84	-8.40	0.36	1.17e-04
20	18	1060.00	-89.36	-12.21	-0.65	-5.30	0.0	-0.07
20	33	700.00	-158.10	1.32	-0.61	60.85	7.17e-03	-0.02
20	33	752.50	-156.25	0.87	-0.09	50.91	-0.18	-0.02
20	33	805.00	-150.92	0.85	0.18	30.91	-0.21	0.01
20	33	857.50	-144.25	0.50	0.22	15.15	-0.11	9.05e-03
20	33	910.00	-137.93	0.22	0.10	-0.13	9.08e-04	-1.22e-03
20	33	960.00	-132.78	-0.02	-0.30	-11.94	-0.09	-0.02
20	33	1010.00	-128.08	-0.36	-0.45	-24.17	-0.24	-0.01
20	33	1060.00	-121.62	-1.62	0.51	-23.24	0.0	-0.04
20	67	700.00	-69.66	-9.99	0.07	58.61	0.03	-0.03
20	67	752.50	-67.95	-10.37	0.70	55.01	0.23	-0.03
20	67	805.00	-63.91	-11.07	0.55	42.12	0.40	9.36e-03
20	67	857.50	-59.14	-10.65	0.37	31.13	0.63	8.80e-03
20	67	910.00	-54.67	-10.17	-9.57e-03	20.00	0.75	1.03e-03
20	67	960.00	-51.33	-9.72	-0.67	11.72	0.53	-0.01
20	67	1010.00	-48.69	-9.32	-0.99	2.47	0.14	-3.97e-03
20	67	1060.00	-44.72	-7.34	-0.25	2.86	0.0	-0.04
20	74	700.00	-68.83	-12.31	0.31	45.19	0.02	-0.03
20	74	752.50	-67.43	-12.62	0.87	42.95	0.33	-0.03
20	74	805.00	-63.74	-13.32	0.66	31.98	0.59	7.12e-03

20	74	857.50	-59.17	-12.61	0.40	23.28	0.87	7.52e-03
20	74	910.00	-54.85	-11.84	-0.06	14.28	0.98	1.26e-03
20	74	960.00	-51.56	-11.14	-0.79	7.73	0.72	-0.01
20	74	1010.00	-48.90	-10.53	-1.18	0.18	0.26	-1.31e-03
20	74	1060.00	-44.94	-8.64	-0.47	1.64	0.0	-0.04
20	75	700.00	-87.44	-11.93	0.29	44.53	0.02	-0.03
20	75	752.50	-86.11	-12.25	0.88	41.55	0.33	-0.03
20	75	805.00	-82.67	-13.00	0.67	29.00	0.60	7.77e-03
20	75	857.50	-78.12	-12.29	0.42	19.50	0.88	8.21e-03
20	75	910.00	-73.84	-11.52	-0.06	9.69	1.00	1.72e-03
20	75	960.00	-70.62	-10.82	-0.82	2.46	0.73	-0.01
20	75	1010.00	-68.06	-10.23	-1.26	-5.84	0.24	-8.53e-04
20	75	1060.00	-63.83	-8.63	-0.43	-3.73	0.0	-0.05
20	81	700.00	-113.25	0.41	-0.43	44.62	5.05e-03	-0.02
20	81	752.50	-111.85	0.08	-0.05	37.57	-0.12	-0.01
20	81	805.00	-107.72	0.07	0.15	23.19	-0.14	8.59e-03
20	81	857.50	-102.63	-0.16	0.17	11.85	-0.06	6.47e-03
20	81	910.00	-97.80	-0.35	0.07	0.85	0.02	-1.11e-03
20	81	960.00	-93.82	-0.50	-0.23	-7.59	-0.05	-0.01
20	81	1010.00	-90.18	-0.73	-0.34	-16.35	-0.17	-8.35e-03
20	81	1060.00	-85.33	-1.57	0.35	-15.69	0.0	-0.03
20	98	700.00	-72.43	-5.30	-0.26	57.93	0.02	-0.03
20	98	752.50	-70.69	-5.67	0.28	53.09	0.02	-0.02
20	98	805.00	-66.29	-6.07	0.30	40.16	0.06	9.59e-03
20	98	857.50	-61.31	-6.08	0.25	28.89	0.20	7.84e-03
20	98	910.00	-56.63	-6.04	0.05	17.80	0.30	-3.92e-04
20	98	960.00	-52.96	-5.98	-0.38	9.48	0.17	-0.01
20	98	1010.00	-49.86	-5.96	-0.54	0.53	-0.04	-7.46e-03
20	98	1060.00	-45.75	-4.81	0.10	0.25	0.0	-0.03
20	99	700.00	-81.30	-4.01	-0.24	38.25	7.49e-03	-0.02
20	99	752.50	-79.98	-4.30	0.12	33.85	-0.02	-0.02
20	99	805.00	-75.86	-4.42	0.23	22.95	0.02	6.92e-03
20	99	857.50	-70.97	-4.44	0.20	14.31	0.13	5.43e-03
20	99	910.00	-66.29	-4.40	0.04	5.90	0.21	-1.21e-03
20	99	960.00	-62.42	-4.36	-0.30	-0.30	0.11	-0.01
20	99	1010.00	-58.91	-4.38	-0.42	-6.90	-0.05	-6.81e-03
20	99	1060.00	-54.57	-4.27	0.12	-6.06	0.0	-0.02
20	103	700.00	-71.91	-6.54	-0.14	52.61	0.02	-0.03
20	103	752.50	-70.29	-6.88	0.38	48.39	0.08	-0.02
20	103	805.00	-66.07	-7.30	0.36	36.24	0.16	8.68e-03
20	103	857.50	-61.18	-7.17	0.27	25.90	0.32	7.39e-03
20	103	910.00	-56.57	-6.99	0.03	15.66	0.42	-2.06e-04
20	103	960.00	-52.94	-6.80	-0.45	8.04	0.27	-0.01
20	103	1010.00	-49.87	-6.66	-0.64	-0.26	0.02	-6.16e-03
20	103	1060.00	-45.77	-5.50	-0.02	-0.07	0.0	-0.03
20	106	700.00	-73.86	-4.16	-0.23	38.52	7.43e-03	-0.02
20	106	752.50	-72.51	-4.44	0.12	34.41	-0.02	-0.02
20	106	805.00	-68.28	-4.55	0.23	24.14	0.02	6.66e-03
20	106	857.50	-63.38	-4.56	0.19	15.82	0.13	5.15e-03
20	106	910.00	-58.70	-4.53	0.04	7.74	0.20	-1.40e-03
20	106	960.00	-54.79	-4.49	-0.29	1.81	0.11	-0.01
20	106	1010.00	-51.25	-4.50	-0.38	-4.49	-0.04	-6.99e-03
20	106	1060.00	-47.02	-4.28	0.10	-3.91	0.0	-0.02
20	107	700.00	-72.63	-5.14	-0.26	55.16	0.02	-0.03
20	107	752.50	-70.95	-5.50	0.26	50.42	0.02	-0.02
20	107	805.00	-66.58	-5.85	0.29	37.87	0.05	9.17e-03
20	107	857.50	-61.61	-5.87	0.24	27.03	0.19	7.46e-03
20	107	910.00	-56.92	-5.83	0.05	16.36	0.28	-5.36e-04
20	107	960.00	-53.22	-5.77	-0.37	8.38	0.16	-0.01
20	107	1010.00	-50.06	-5.75	-0.52	-0.19	-0.04	-7.39e-03
20	107	1060.00	-45.93	-4.73	0.10	-0.35	0.0	-0.03
20	114	700.00	-57.09	-20.51	-3.09	-12.31	-0.75	-0.11
20	114	752.50	-55.41	-20.87	-2.58	-17.05	-0.75	-0.09
20	114	805.00	-53.78	-26.16	-2.17	-5.99	-2.08	-0.08
20	114	857.50	-52.24	-25.49	-1.60	6.48	-3.05	-0.08
20	114	910.00	-49.25	-25.04	-0.68	18.49	-3.60	-0.02
20	114	960.00	-47.64	-24.79	1.27	25.34	-3.52	0.02
20	114	1010.00	-46.45	-24.28	2.38	21.44	-2.65	0.05
20	114	1060.00	-40.81	-17.49	4.01	24.68	-0.97	9.59e-03
20	129	700.00	-110.18	62.15	-0.33	209.81	-0.16	-4.05e-03
20	129	752.50	-108.49	61.79	0.18	205.08	-0.16	-0.02
20	129	805.00	-100.56	66.11	0.49	165.91	-1.19e-03	-0.02
20	129	857.50	-90.55	64.03	0.13	124.29	0.13	-0.03
20	129	910.00	-81.56	61.74	-0.17	80.12	0.14	-0.03
20	129	960.00	-69.94	59.51	-0.17	44.69	-0.01	-0.03

20	129	1010.00	-65.18	57.12	-0.06	11.12	-0.03	-0.02
20	129	1060.00	-59.11	45.65	-0.21	-14.87	0.08	-0.02
20	130	700.00	-35.09	-72.42	-0.18	-99.50	0.20	-0.05
20	130	752.50	-33.40	-72.78	0.33	-104.24	0.20	-0.03
20	130	805.00	-32.59	-77.82	0.08	-90.16	0.11	0.04
20	130	857.50	-32.67	-75.77	0.36	-70.23	0.24	0.04
20	130	910.00	-32.28	-73.40	0.27	-47.40	0.43	0.03
20	130	960.00	-36.50	-71.05	-0.57	-27.92	0.34	6.32e-03
20	130	1010.00	-34.94	-68.61	-0.97	-11.50	-0.05	4.72e-03
20	130	1060.00	-32.75	-55.11	0.40	14.17	-0.08	-0.04
20	140	700.00	-69.22	-22.87	3.17	51.04	1.07	0.05
20	140	752.50	-67.54	-23.23	3.68	46.30	1.07	0.06
20	140	805.00	-61.81	-20.86	3.08	23.02	2.65	0.12
20	140	857.50	-56.23	-20.60	2.36	2.84	4.12	0.11
20	140	910.00	-51.76	-19.86	0.91	-15.54	4.99	0.03
20	140	960.00	-49.65	-18.93	-2.33	-28.75	4.63	-0.05
20	140	1010.00	-45.87	-17.80	-4.21	-28.94	3.08	-0.06
20	140	1060.00	-44.69	-17.17	-4.45	-19.63	1.14	-0.08
20	161	700.00	-114.94	70.62	-0.34	229.24	-0.19	-1.34e-03
20	161	752.50	-113.26	70.26	0.17	224.51	-0.19	-0.02
20	161	805.00	-104.87	75.17	0.52	182.01	-9.74e-03	-0.02
20	161	857.50	-94.22	72.83	0.11	136.56	0.12	-0.03
20	161	910.00	-84.70	70.25	-0.20	88.21	0.11	-0.04
20	161	960.00	-72.10	67.73	-0.14	49.33	-0.04	-0.04
20	161	1010.00	-67.11	65.02	-2.61e-03	12.60	-0.03	-0.02
20	161	1060.00	-60.79	51.98	-0.24	-16.66	0.08	-0.02
20	162	700.00	-30.33	-80.89	-0.17	-118.93	0.22	-0.05
20	162	752.50	-28.64	-81.25	0.35	-123.67	0.22	-0.03
20	162	805.00	-28.29	-86.88	0.06	-106.26	0.11	0.04
20	162	857.50	-29.00	-84.57	0.37	-82.50	0.26	0.04
20	162	910.00	-29.15	-81.90	0.30	-55.49	0.45	0.04
20	162	960.00	-34.34	-79.27	-0.60	-32.56	0.36	8.89e-03
20	162	1010.00	-33.01	-76.52	-1.03	-12.99	-0.05	6.29e-03
20	162	1060.00	-31.07	-61.45	0.44	15.97	-0.08	-0.04
20	178	700.00	-54.61	-22.53	-3.33	-18.34	-0.82	-0.11
20	178	752.50	-52.93	-22.89	-2.82	-23.07	-0.82	-0.10
20	178	805.00	-51.69	-28.79	-2.36	-10.00	-2.26	-0.08
20	178	857.50	-50.66	-28.03	-1.74	4.12	-3.32	-0.08
20	178	910.00	-47.92	-27.50	-0.72	17.94	-3.91	-0.02
20	178	960.00	-46.49	-27.19	1.39	26.23	-3.81	0.03
20	178	1010.00	-45.74	-26.60	2.60	22.87	-2.86	0.05
20	178	1060.00	-40.12	-19.14	4.33	26.82	-1.05	0.01
20	193	700.00	-115.00	70.20	-0.37	228.00	-0.19	-2.09e-03
20	193	752.50	-113.32	69.84	0.14	223.26	-0.19	-0.02
20	193	805.00	-104.94	74.77	0.49	181.29	-0.03	-0.02
20	193	857.50	-94.37	72.43	0.09	136.59	0.08	-0.03
20	193	910.00	-84.95	69.84	-0.21	88.94	0.07	-0.04
20	193	960.00	-72.55	67.31	-0.13	50.20	-0.08	-0.04
20	193	1010.00	-67.35	64.60	0.02	13.46	-0.06	-0.02
20	193	1060.00	-60.90	51.65	-0.20	-16.00	0.07	-0.02
20	194	700.00	-30.27	-80.47	-0.14	-117.69	0.22	-0.05
20	194	752.50	-28.58	-80.83	0.37	-122.42	0.23	-0.02
20	194	805.00	-28.22	-86.48	0.09	-105.54	0.14	0.04
20	194	857.50	-28.85	-84.16	0.39	-82.53	0.29	0.04
20	194	910.00	-28.90	-81.49	0.31	-56.21	0.49	0.04
20	194	960.00	-33.90	-78.85	-0.61	-33.43	0.40	9.11e-03
20	194	1010.00	-32.77	-76.10	-1.05	-13.84	-0.02	6.35e-03
20	194	1060.00	-30.96	-61.12	0.39	15.30	-0.07	-0.04
20	210	700.00	-51.18	-25.62	-3.81	-29.76	-0.95	-0.13
20	210	752.50	-49.49	-25.98	-3.30	-34.50	-0.95	-0.11
20	210	805.00	-48.83	-32.85	-2.76	-17.49	-2.61	-0.09
20	210	857.50	-48.53	-31.93	-2.03	0.27	-3.86	-0.09
20	210	910.00	-46.15	-31.30	-0.83	17.77	-4.54	-0.02
20	210	960.00	-45.09	-30.94	1.65	28.61	-4.41	0.03
20	210	1010.00	-44.83	-30.25	3.07	26.26	-3.28	0.06
20	210	1060.00	-39.07	-21.69	4.97	31.04	-1.21	0.02
20	225	700.00	-122.44	83.05	-0.39	257.38	-0.22	1.94e-03
20	225	752.50	-120.75	82.69	0.12	252.64	-0.22	-0.02
20	225	805.00	-111.65	88.58	0.52	205.70	-0.05	-0.03
20	225	857.50	-100.13	85.83	0.06	155.40	0.06	-0.04
20	225	910.00	-89.94	82.79	-0.25	101.65	0.04	-0.05
20	225	960.00	-76.10	79.81	-0.08	57.69	-0.12	-0.04
20	225	1010.00	-70.47	76.63	0.11	16.08	-0.06	-0.02
20	225	1060.00	-63.55	61.28	-0.25	-18.53	0.09	-0.01
20	226	700.00	-22.83	-93.32	-0.12	-147.07	0.26	-0.05

20	226	752.50	-21.14	-93.68	0.39	-151.80	0.26	-0.03
20	226	805.00	-21.50	-100.28	0.05	-129.95	0.15	0.05
20	226	857.50	-23.08	-97.57	0.42	-101.35	0.31	0.05
20	226	910.00	-23.91	-94.44	0.35	-68.93	0.53	0.04
20	226	960.00	-30.34	-91.35	-0.65	-40.92	0.44	0.01
20	226	1010.00	-29.65	-88.13	-1.14	-16.47	-0.02	9.14e-03
20	226	1060.00	-28.32	-70.74	0.44	17.84	-0.09	-0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-158.10	-100.28	-4.45	-151.80	-4.54	-0.13
	-21.14	88.58	4.97	257.38	4.99	0.12

Macro	Tipo	Angolo 1-Z (gradi)
21	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
21	11	700.00	-326.52	5.43	0.18	75.05	-3.85e-04	1.66e-03
21	11	752.50	-323.72	6.15	0.34	83.22	0.13	-7.35e-03
21	11	805.00	-324.50	-5.33	0.57	122.72	0.41	-0.02
21	11	857.50	-317.77	-4.92	0.51	134.85	0.69	-0.02
21	11	910.00	-311.10	-4.47	0.34	146.51	0.92	-0.01
21	11	960.00	-291.63	-3.64	-0.80	136.54	0.58	4.23e-03
21	11	1010.00	-275.08	-2.80	-0.79	136.18	0.22	0.02
21	11	1060.00	-256.73	12.09	-0.42	112.05	0.0	0.03
21	43	700.00	-195.76	25.42	-0.98	53.70	-5.95e-03	-2.37e-03
21	43	752.50	-193.06	25.79	-0.76	51.07	-0.46	-0.01
21	43	805.00	-192.34	14.01	-0.19	73.34	-0.68	-0.02
21	43	857.50	-185.76	12.95	0.18	75.13	-0.69	-0.02
21	43	910.00	-179.14	11.87	0.56	77.68	-0.50	-0.01
21	43	960.00	-164.16	10.10	0.05	73.76	-0.54	9.40e-03
21	43	1010.00	-150.83	8.31	0.49	73.85	-0.35	0.02
21	43	1060.00	-137.33	16.29	0.68	58.35	0.0	1.93e-03
21	45	700.00	-135.43	19.61	-0.87	62.21	-7.63e-03	-4.31e-03
21	45	752.50	-133.83	19.70	-0.76	58.29	-0.43	-5.95e-03
21	45	805.00	-132.63	14.88	-0.36	68.44	-0.72	-0.01
21	45	857.50	-127.86	13.78	5.94e-03	66.59	-0.82	-0.01
21	45	910.00	-123.05	12.66	0.43	65.49	-0.71	-5.57e-03
21	45	960.00	-112.45	10.81	0.25	58.48	-0.67	7.23e-04
21	45	1010.00	-103.18	8.96	0.67	54.52	-0.40	0.01
21	45	1060.00	-93.61	14.20	0.77	40.85	0.0	-0.01
21	71	700.00	-232.14	4.78	0.13	53.20	-9.22e-04	1.15e-03
21	71	752.50	-230.07	5.30	0.24	58.83	0.10	-4.68e-03
21	71	805.00	-230.26	-2.75	0.41	86.66	0.29	-0.01
21	71	857.50	-225.13	-2.47	0.37	95.11	0.49	-0.02
21	71	910.00	-220.05	-2.17	0.26	103.21	0.66	-0.01
21	71	960.00	-205.78	-1.61	-0.58	96.16	0.41	1.51e-03
21	71	1010.00	-193.57	-1.04	-0.56	95.78	0.16	0.01
21	71	1060.00	-180.17	9.54	-0.30	78.40	0.0	0.02
21	85	700.00	-143.43	16.20	-0.57	55.04	-6.31e-03	-2.76e-03
21	85	752.50	-141.77	16.38	-0.47	53.14	-0.28	-4.58e-03
21	85	805.00	-140.54	11.38	-0.16	65.73	-0.43	-0.01
21	85	857.50	-135.70	10.66	0.09	65.89	-0.46	-0.01
21	85	910.00	-130.85	9.93	0.38	66.48	-0.34	-6.45e-03
21	85	960.00	-119.91	8.74	0.04	60.09	-0.38	-8.42e-04
21	85	1010.00	-110.31	7.55	0.35	57.00	-0.24	9.10e-03
21	85	1060.00	-100.38	13.41	0.47	43.43	0.0	-3.59e-03
21	87	700.00	-144.97	18.11	-0.64	38.97	-4.63e-03	-1.54e-03
21	87	752.50	-142.97	18.40	-0.49	37.40	-0.30	-7.11e-03
21	87	805.00	-142.15	10.14	-0.10	53.73	-0.44	-0.02
21	87	857.50	-137.12	9.44	0.15	55.30	-0.43	-0.02
21	87	910.00	-132.07	8.72	0.41	57.32	-0.28	-7.96e-03
21	87	960.00	-120.80	7.55	-0.01	54.32	-0.34	4.96e-03
21	87	1010.00	-110.74	6.37	0.30	54.22	-0.22	0.02
21	87	1060.00	-100.58	12.34	0.43	42.60	0.0	1.57e-03
21	98	700.00	-146.41	11.10	-0.02	19.80	-2.37e-03	1.57e-03
21	98	752.50	-144.37	11.55	0.09	22.03	0.01	-3.37e-03
21	98	805.00	-143.15	3.60	0.28	41.47	0.13	-0.01
21	98	857.50	-138.02	3.66	0.31	46.64	0.28	-0.01
21	98	910.00	-132.93	3.72	0.30	51.61	0.45	-9.29e-03
21	98	960.00	-121.54	3.86	-0.43	50.45	0.25	1.60e-04
21	98	1010.00	-111.24	3.98	-0.33	52.18	0.09	9.18e-03
21	98	1060.00	-100.91	10.53	-0.18	41.81	0.0	0.01
21	101	700.00	-163.16	10.29	-0.02	31.01	-2.48e-03	1.08e-03

21	101	752.50	-161.17	10.73	0.09	33.47	0.01	-3.58e-03
21	101	805.00	-160.23	3.18	0.28	53.77	0.13	-0.01
21	101	857.50	-155.14	3.24	0.31	59.00	0.28	-0.01
21	101	910.00	-150.09	3.30	0.30	64.03	0.44	-9.18e-03
21	101	960.00	-138.18	3.44	-0.43	60.95	0.24	-3.70e-05
21	101	1010.00	-127.59	3.57	-0.33	61.56	0.08	8.95e-03
21	101	1060.00	-116.69	10.86	-0.16	49.31	0.0	0.01
21	104	700.00	-144.58	10.59	-0.08	39.71	-4.49e-03	-2.76e-04
21	104	752.50	-142.89	10.91	-8.40e-03	40.84	-0.03	-1.59e-03
21	104	805.00	-141.34	6.15	0.15	55.92	0.02	-8.18e-03
21	104	857.50	-136.41	6.04	0.22	58.97	0.12	-9.63e-03
21	104	910.00	-131.54	5.93	0.30	61.90	0.25	-7.52e-03
21	104	960.00	-120.50	5.79	-0.29	56.99	0.09	-4.68e-03
21	104	1010.00	-110.71	5.64	-0.15	55.36	0.01	4.29e-03
21	104	1060.00	-100.65	11.96	-0.02	42.80	0.0	5.42e-03
21	105	700.00	-145.90	12.23	-0.14	25.93	-3.06e-03	7.71e-04
21	105	752.50	-143.92	12.63	-0.03	27.35	-0.05	-3.76e-03
21	105	805.00	-142.72	5.09	0.20	45.64	0.02	-0.01
21	105	857.50	-137.63	4.99	0.27	49.89	0.14	-0.01
21	105	910.00	-132.59	4.89	0.32	54.06	0.29	-8.81e-03
21	105	960.00	-121.26	4.77	-0.34	52.05	0.13	2.91e-04
21	105	1010.00	-111.08	4.63	-0.20	52.98	0.03	9.51e-03
21	105	1060.00	-100.81	11.04	-0.05	42.09	0.0	9.84e-03
21	106	700.00	-144.87	9.18	0.05	35.87	-4.04e-03	3.44e-04
21	106	752.50	-143.17	9.54	0.11	37.76	0.04	-8.43e-04
21	106	805.00	-141.53	4.85	0.22	53.47	0.13	-7.40e-03
21	106	857.50	-136.59	4.88	0.26	57.24	0.26	-9.28e-03
21	106	910.00	-131.71	4.93	0.28	60.76	0.39	-7.78e-03
21	106	960.00	-120.65	5.05	-0.38	56.22	0.21	-5.64e-03
21	106	1010.00	-110.81	5.16	-0.28	54.95	0.07	3.09e-03
21	106	1060.00	-100.71	11.60	-0.14	42.64	0.0	7.67e-03
21	107	700.00	-146.19	10.82	-0.01	22.10	-2.61e-03	1.39e-03
21	107	752.50	-144.20	11.27	0.09	24.28	0.02	-3.01e-03
21	107	805.00	-142.92	3.78	0.27	43.19	0.13	-0.01
21	107	857.50	-137.81	3.83	0.31	48.16	0.28	-0.01
21	107	910.00	-132.76	3.89	0.30	52.92	0.44	-9.08e-03
21	107	960.00	-121.41	4.03	-0.42	51.28	0.24	-6.68e-04
21	107	1010.00	-111.18	4.15	-0.32	52.57	0.09	8.31e-03
21	107	1060.00	-100.88	10.68	-0.18	41.93	0.0	0.01
21	108	700.00	-197.72	-14.98	3.45	9.35	0.83	0.05
21	108	752.50	-195.73	-14.54	3.55	11.53	0.85	0.03
21	108	805.00	-193.25	-24.34	3.79	40.25	2.83	-0.02
21	108	857.50	-187.22	-23.66	2.69	47.35	4.55	-0.04
21	108	910.00	-181.15	-22.45	1.64	51.87	5.63	-0.03
21	108	960.00	-159.07	-21.53	-3.90	56.52	4.92	-0.03
21	108	1010.00	-139.07	-20.24	-3.51	62.79	3.10	0.04
21	108	1060.00	-119.49	-5.80	-4.71	63.14	1.11	0.03
21	111	700.00	-94.66	36.63	-3.48	34.84	-0.84	-0.05
21	111	752.50	-92.66	37.07	-3.37	37.02	-0.82	-0.04
21	111	805.00	-92.58	31.90	-3.24	46.12	-2.57	-1.71e-03
21	111	857.50	-88.40	31.32	-2.08	48.96	-3.99	8.70e-03
21	111	910.00	-84.36	30.24	-1.05	53.96	-4.75	0.02
21	111	960.00	-83.76	29.59	3.05	46.04	-4.43	0.03
21	111	1010.00	-83.29	28.53	2.86	42.36	-2.92	-0.02
21	111	1060.00	-82.26	27.16	4.35	20.72	-1.11	-8.04e-03
21	117	700.00	-170.60	20.59	2.54	102.09	0.64	-1.55e-03
21	117	752.50	-168.60	21.03	2.64	104.26	0.66	-8.22e-03
21	117	805.00	-165.60	4.98	3.15	121.96	2.18	-0.06
21	117	857.50	-162.86	5.04	2.43	108.56	3.60	-0.08
21	117	910.00	-162.99	5.18	1.60	105.11	4.72	-0.06
21	117	960.00	-144.34	5.58	-3.29	93.86	4.15	-9.34e-03
21	117	1010.00	-125.78	6.11	-3.13	89.73	2.58	0.04
21	117	1060.00	-109.03	17.38	-3.66	64.17	0.89	0.04
21	127	700.00	-110.09	64.33	-2.53	175.07	-0.58	-0.04
21	127	752.50	-108.10	64.77	-2.43	177.24	-0.56	-0.04
21	127	805.00	-111.17	53.35	-1.68	164.30	-1.71	-0.04
21	127	857.50	-106.80	52.84	-0.60	137.61	-2.43	-0.05
21	127	910.00	-111.31	51.04	0.17	137.27	-2.34	-0.03
21	127	960.00	-102.53	48.60	1.18	108.87	-2.18	0.02
21	127	1010.00	-97.49	46.66	1.18	88.08	-1.55	6.60e-04
21	127	1060.00	-87.85	45.92	2.67	38.98	-0.63	0.01
21	140	700.00	-204.19	-18.20	3.89	7.82	0.94	0.05
21	140	752.50	-202.20	-17.75	3.99	10.00	0.96	0.04
21	140	805.00	-199.57	-27.85	4.24	39.94	3.17	-0.02
21	140	857.50	-193.44	-27.08	2.99	47.32	5.10	-0.04

21	140	910.00	-187.25	-25.72	1.81	51.79	6.28	-0.04
21	140	960.00	-163.80	-24.71	-4.33	57.22	5.51	-0.03
21	140	1010.00	-142.58	-23.28	-3.91	64.10	3.48	0.04
21	140	1060.00	-121.84	-7.85	-5.28	65.85	1.25	0.03
21	143	700.00	-88.19	39.84	-3.91	36.38	-0.94	-0.05
21	143	752.50	-86.20	40.29	-3.81	38.55	-0.92	-0.04
21	143	805.00	-86.26	35.41	-3.69	46.43	-2.91	-3.32e-04
21	143	857.50	-82.19	34.74	-2.38	49.00	-4.53	0.01
21	143	910.00	-78.27	33.51	-1.22	54.04	-5.41	0.02
21	143	960.00	-79.02	32.77	3.49	45.33	-5.02	0.03
21	143	1010.00	-79.78	31.57	3.26	41.05	-3.30	-0.03
21	143	1060.00	-79.91	29.22	4.93	18.01	-1.25	-0.01
21	149	700.00	-173.80	21.84	2.87	112.34	0.72	-2.18e-03
21	149	752.50	-171.81	22.29	2.98	114.52	0.74	-9.23e-03
21	149	805.00	-168.64	5.21	3.53	131.99	2.45	-0.07
21	149	857.50	-166.20	5.28	2.71	116.21	4.03	-0.09
21	149	910.00	-166.99	5.42	1.77	111.63	5.28	-0.07
21	149	960.00	-147.37	5.86	-3.67	99.23	4.66	-0.01
21	149	1010.00	-127.74	6.41	-3.50	94.40	2.91	0.04
21	149	1060.00	-110.13	18.23	-4.11	66.98	1.01	0.04
21	159	700.00	-105.62	71.00	-2.85	194.22	-0.66	-0.05
21	159	752.50	-103.62	71.45	-2.74	196.40	-0.64	-0.05
21	159	805.00	-107.25	59.53	-1.93	179.42	-1.95	-0.05
21	159	857.50	-102.97	58.94	-0.71	148.72	-2.78	-0.05
21	159	910.00	-108.68	56.90	0.15	147.71	-2.69	-0.03
21	159	960.00	-100.21	54.15	1.38	116.02	-2.48	0.03
21	159	1010.00	-95.81	51.95	1.37	92.50	-1.76	-2.51e-04
21	159	1060.00	-86.22	50.31	3.03	38.54	-0.71	0.01
21	172	700.00	-203.03	-17.22	3.89	8.92	0.94	0.05
21	172	752.50	-201.04	-16.78	4.00	11.10	0.96	0.03
21	172	805.00	-198.64	-26.75	4.23	40.88	3.18	-0.03
21	172	857.50	-192.70	-25.95	2.98	48.14	5.10	-0.04
21	172	910.00	-186.63	-24.67	1.81	52.10	6.28	-0.04
21	172	960.00	-163.28	-23.71	-4.32	57.61	5.51	-0.03
21	172	1010.00	-142.24	-22.39	-3.91	64.25	3.49	0.04
21	172	1060.00	-121.69	-7.26	-5.28	65.84	1.25	0.03
21	175	700.00	-89.35	38.87	-3.92	35.27	-0.95	-0.05
21	175	752.50	-87.35	39.31	-3.81	37.45	-0.93	-0.04
21	175	805.00	-87.19	34.31	-3.69	45.49	-2.91	1.89e-03
21	175	857.50	-82.93	33.62	-2.37	48.17	-4.54	0.01
21	175	910.00	-78.89	32.46	-1.21	53.73	-5.40	0.02
21	175	960.00	-79.54	31.77	3.48	44.94	-5.03	0.03
21	175	1010.00	-80.12	30.69	3.27	40.90	-3.31	-0.03
21	175	1060.00	-80.07	28.62	4.93	18.02	-1.25	-0.01
21	181	700.00	-174.56	22.15	2.98	113.13	0.75	-4.70e-03
21	181	752.50	-172.57	22.60	3.08	115.31	0.77	-0.01
21	181	805.00	-169.88	6.04	3.64	132.14	2.53	-0.07
21	181	857.50	-167.46	6.21	2.79	116.00	4.17	-0.09
21	181	910.00	-168.26	6.29	1.82	110.70	5.45	-0.07
21	181	960.00	-148.29	6.66	-3.77	98.84	4.82	-0.01
21	181	1010.00	-128.51	7.02	-3.61	93.92	3.01	0.04
21	181	1060.00	-110.61	18.40	-4.26	66.79	1.05	0.04
21	191	700.00	-106.53	69.98	-2.85	192.06	-0.66	-0.04
21	191	752.50	-104.53	70.43	-2.75	194.24	-0.64	-0.05
21	191	805.00	-108.12	58.49	-1.92	177.35	-1.95	-0.05
21	191	857.50	-103.78	57.89	-0.70	146.74	-2.77	-0.05
21	191	910.00	-109.33	55.90	0.16	145.73	-2.68	-0.03
21	191	960.00	-100.76	53.22	1.36	114.69	-2.47	0.03
21	191	1010.00	-96.20	51.09	1.37	91.70	-1.76	1.90e-04
21	191	1060.00	-86.43	49.64	3.03	38.17	-0.71	0.01
21	204	700.00	-212.38	-21.51	4.58	7.46	1.11	0.06
21	204	752.50	-210.39	-21.07	4.68	9.64	1.13	0.04
21	204	805.00	-207.90	-31.44	4.93	41.28	3.71	-0.03
21	204	857.50	-201.92	-30.52	3.45	48.85	5.95	-0.05
21	204	910.00	-195.72	-29.06	2.07	52.34	7.31	-0.04
21	204	960.00	-170.34	-27.98	-5.00	59.03	6.44	-0.04
21	204	1010.00	-147.50	-26.52	-4.55	66.43	4.09	0.05
21	204	1060.00	-125.26	-10.03	-6.19	70.05	1.47	0.04
21	207	700.00	-80.00	43.15	-4.61	36.74	-1.11	-0.06
21	207	752.50	-78.01	43.60	-4.50	38.91	-1.09	-0.05
21	207	805.00	-77.94	39.00	-4.39	45.09	-3.45	5.73e-03
21	207	857.50	-73.71	38.18	-2.84	47.47	-5.39	0.02
21	207	910.00	-69.79	36.85	-1.47	53.49	-6.44	0.02
21	207	960.00	-72.49	36.04	4.16	43.52	-5.96	0.03
21	207	1010.00	-74.86	34.81	3.90	38.72	-3.91	-0.03

21	207	1060.00	-76.50	31.39	5.83	13.81	-1.47	-0.01
21	213	700.00	-180.60	24.13	3.61	129.90	0.91	-6.96e-03
21	213	752.50	-178.60	24.58	3.72	132.08	0.93	-0.02
21	213	805.00	-175.83	6.54	4.35	148.43	3.04	-0.09
21	213	857.50	-173.94	6.80	3.31	128.26	4.99	-0.11
21	213	910.00	-175.82	6.86	2.13	120.75	6.50	-0.08
21	213	960.00	-154.02	7.25	-4.47	107.39	5.78	-0.01
21	213	1010.00	-132.30	7.58	-4.31	101.41	3.62	0.05
21	213	1060.00	-112.78	19.74	-5.12	71.44	1.27	0.05
21	223	700.00	-100.18	79.57	-3.35	220.11	-0.77	-0.05
21	223	752.50	-98.19	80.01	-3.24	222.29	-0.75	-0.05
21	223	805.00	-102.62	67.31	-2.29	199.15	-2.31	-0.05
21	223	857.50	-98.36	66.61	-0.87	162.37	-3.31	-0.06
21	223	910.00	-105.73	64.29	0.14	160.50	-3.22	-0.03
21	223	960.00	-97.56	61.16	1.66	124.88	-2.94	0.03
21	223	1010.00	-93.90	58.68	1.66	98.09	-2.08	-9.16e-04
21	223	1060.00	-84.04	55.96	3.59	37.22	-0.84	0.01
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-326.52	-31.44	-6.19	7.46	-6.44	-0.11
			-69.79	80.01	5.83	222.29	7.31	0.06

Macro	Tipo	Angolo 1-Z (gradi)
22	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
22	18	0.0	-2.15	1.24	0.33	0.18	0.0	0.02
22	18	40.00	-2.15	1.24	0.33	0.67	0.13	0.02
22	18	80.00	-1.24	0.94	-0.33	0.61	0.0	0.01
22	19	0.0	-1.43	0.37	0.33	0.09	0.0	0.01
22	19	40.00	-1.43	0.37	0.33	0.24	0.13	0.02
22	19	80.00	-0.81	0.31	-0.33	0.24	0.0	0.01
22	28	0.0	-2.39	1.86	-0.10	0.17	0.0	-3.51e-03
22	28	40.00	-2.39	1.86	-0.10	0.91	-0.04	-5.42e-03
22	28	80.00	-1.38	1.33	0.10	0.78	0.0	-3.45e-03
22	72	0.0	-1.48	0.50	0.22	0.09	0.0	9.92e-03
22	72	40.00	-1.48	0.50	0.22	0.29	0.09	0.02
22	72	80.00	-0.84	0.38	-0.22	0.27	0.0	9.51e-03
22	75	0.0	-1.62	0.88	0.22	0.13	0.0	0.01
22	75	40.00	-1.62	0.88	0.22	0.48	0.09	0.02
22	75	80.00	-0.94	0.67	-0.22	0.43	0.0	9.66e-03
22	80	0.0	-1.78	1.30	-0.07	0.12	0.0	-2.31e-03
22	80	40.00	-1.78	1.30	-0.07	0.64	-0.03	-3.57e-03
22	80	80.00	-1.03	0.93	0.07	0.54	0.0	-2.27e-03
22	98	0.0	-1.67	0.99	-3.96e-04	0.10	0.0	4.81e-04
22	98	40.00	-1.67	0.99	-3.96e-04	0.50	-1.58e-04	7.27e-04
22	98	80.00	-0.96	0.72	3.96e-04	0.43	0.0	4.34e-04
22	102	0.0	-1.53	0.62	0.04	0.07	0.0	2.26e-03
22	102	40.00	-1.53	0.62	0.04	0.32	0.02	3.46e-03
22	102	80.00	-0.87	0.45	-0.04	0.29	0.0	2.15e-03
22	103	0.0	-1.64	0.91	0.04	0.10	0.0	2.38e-03
22	103	40.00	-1.64	0.91	0.04	0.47	0.02	3.64e-03
22	103	80.00	-0.94	0.67	-0.04	0.41	0.0	2.26e-03
22	106	0.0	-1.54	0.66	-3.00e-04	0.07	0.0	3.44e-04
22	106	40.00	-1.54	0.66	-3.00e-04	0.33	-1.20e-04	5.19e-04
22	106	80.00	-0.88	0.47	3.00e-04	0.29	0.0	3.08e-04
22	107	0.0	-1.65	0.94	-3.82e-04	0.10	0.0	4.61e-04
22	107	40.00	-1.65	0.94	-3.82e-04	0.48	-1.53e-04	6.97e-04
22	107	80.00	-0.95	0.68	3.82e-04	0.41	0.0	4.16e-04
22	113	0.0	-3.81	27.70	3.24e-03	22.88	2.83e-04	-0.04
22	113	40.00	-3.81	27.70	3.24e-03	23.26	1.30e-04	-0.04
22	113	80.00	-1.96	24.21	8.17e-04	23.28	2.83e-04	-0.04
22	114	0.0	0.50	-25.81	-4.01e-03	-22.69	-2.83e-04	0.04
22	114	40.00	0.50	-25.81	-4.01e-03	-22.31	-4.35e-04	0.04
22	114	80.00	0.06	-22.85	-5.31e-05	-22.46	-2.83e-04	0.04
22	118	0.0	-0.53	-12.68	-6.77e-03	-11.46	-1.05e-03	0.05
22	118	40.00	-0.53	-12.68	-6.77e-03	-11.09	-1.20e-03	0.05
22	118	80.00	-0.42	-11.29	4.57e-03	-11.19	-1.05e-03	0.04
22	145	0.0	-4.07	31.04	3.82e-03	25.73	3.55e-04	-0.04
22	145	40.00	-4.07	31.04	3.82e-03	26.11	2.02e-04	-0.04
22	145	80.00	-2.08	27.15	6.59e-04	26.14	3.55e-04	-0.04
22	146	0.0	0.77	-29.15	-4.58e-03	-25.54	-3.55e-04	0.04
22	146	40.00	0.77	-29.15	-4.58e-03	-25.16	-5.08e-04	0.04

22	146	80.00	0.18	-25.79	1.05e-04	-25.31	-3.55e-04	0.04
22	150	0.0	-0.40	-14.27	-7.76e-03	-12.83	-1.22e-03	0.05
22	150	40.00	-0.40	-14.27	-7.76e-03	-12.45	-1.38e-03	0.05
22	150	80.00	-0.36	-12.69	5.32e-03	-12.56	-1.22e-03	0.05
22	177	0.0	-3.97	29.78	4.41e-03	24.71	5.59e-04	-0.04
22	177	40.00	-3.97	29.78	4.41e-03	25.09	4.06e-04	-0.04
22	177	80.00	-2.03	26.06	-7.01e-04	25.11	5.59e-04	-0.04
22	178	0.0	0.67	-27.89	-5.17e-03	-24.51	-5.59e-04	0.04
22	178	40.00	0.67	-27.89	-5.17e-03	-24.13	-7.12e-04	0.04
22	178	80.00	0.13	-24.69	1.46e-03	-24.28	-5.59e-04	0.04
22	182	0.0	-0.52	-12.90	-8.88e-03	-11.76	-1.47e-03	0.05
22	182	40.00	-0.52	-12.90	-8.88e-03	-11.38	-1.62e-03	0.05
22	182	80.00	-0.42	-11.51	6.78e-03	-11.48	-1.47e-03	0.05
22	209	0.0	-4.31	34.12	5.26e-03	28.44	6.71e-04	-0.05
22	209	40.00	-4.31	34.12	5.26e-03	28.82	5.18e-04	-0.05
22	209	80.00	-2.19	29.88	-1.03e-03	28.85	6.71e-04	-0.05
22	210	0.0	1.01	-32.23	-6.02e-03	-28.25	-6.71e-04	0.05
22	210	40.00	1.01	-32.23	-6.02e-03	-27.87	-8.24e-04	0.05
22	210	80.00	0.29	-28.51	1.79e-03	-28.03	-6.71e-04	0.05
22	214	0.0	-0.36	-14.95	-0.01	-13.59	-1.85e-03	0.06
22	214	40.00	-0.36	-14.95	-0.01	-13.21	-2.00e-03	0.06
22	214	80.00	-0.34	-13.34	8.60e-03	-13.32	-1.85e-03	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-4.31	-32.23	-0.33	-28.25	-0.04	-0.05
	1.01	34.12	0.33	28.85	0.13	0.06

Macro	Tipo	Angolo 1-Z (gradi)
23	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
23	16	340.00	1.03	6.05	0.37	0.10	0.02	-0.25
23	16	392.50	1.03	6.05	0.33	3.27	0.26	-0.33
23	16	445.00	0.91	4.96	-0.44	2.88	0.0	-0.22
23	44	340.00	0.93	4.58	-0.73	0.04	-0.03	0.51
23	44	392.50	0.93	4.58	-0.66	2.43	-0.52	0.66
23	44	445.00	0.88	3.81	0.87	1.99	0.0	0.44
23	55	340.00	0.68	3.33	4.90e-03	0.02	3.20e-04	3.25e-03
23	55	392.50	0.68	3.33	4.31e-03	1.80	3.09e-03	4.18e-03
23	55	445.00	0.66	2.79	-5.09e-03	1.49	0.0	2.57e-03
23	73	340.00	0.79	4.68	0.25	0.08	0.01	-0.17
23	73	392.50	0.79	4.68	0.22	2.53	0.18	-0.22
23	73	445.00	0.70	3.84	-0.30	2.23	0.0	-0.15
23	88	340.00	0.73	3.70	-0.49	0.04	-0.02	0.34
23	88	392.50	0.73	3.70	-0.44	1.97	-0.34	0.44
23	88	445.00	0.68	3.07	0.58	1.63	0.0	0.30
23	91	340.00	0.71	3.67	4.20e-03	0.04	2.75e-04	2.79e-03
23	91	392.50	0.71	3.67	3.70e-03	1.98	2.65e-03	3.58e-03
23	91	445.00	0.67	3.05	-4.37e-03	1.67	0.0	2.21e-03
23	98	340.00	0.74	3.92	3.69e-03	0.05	2.41e-04	2.45e-03
23	98	392.50	0.74	3.92	3.25e-03	2.11	2.33e-03	3.15e-03
23	98	445.00	0.68	3.24	-3.84e-03	1.79	0.0	1.94e-03
23	102	340.00	0.79	4.53	0.05	0.07	2.26e-03	-0.03
23	102	392.50	0.79	4.53	0.05	2.43	0.04	-0.04
23	102	445.00	0.70	3.72	-0.06	2.12	0.0	-0.03
23	105	340.00	0.74	3.95	-0.09	0.05	-3.95e-03	0.07
23	105	392.50	0.74	3.95	-0.09	2.12	-0.07	0.09
23	105	445.00	0.68	3.27	0.11	1.80	0.0	0.06
23	106	340.00	0.79	4.49	2.49e-03	0.07	1.63e-04	1.66e-03
23	106	392.50	0.79	4.49	2.19e-03	2.41	1.58e-03	2.13e-03
23	106	445.00	0.70	3.69	-2.60e-03	2.09	0.0	1.31e-03
23	107	340.00	0.74	4.00	3.52e-03	0.05	2.30e-04	2.34e-03
23	107	392.50	0.74	4.00	3.10e-03	2.15	2.22e-03	3.00e-03
23	107	445.00	0.68	3.31	-3.66e-03	1.84	0.0	1.85e-03
23	109	340.00	-0.48	48.08	-0.08	-0.55	-7.43e-03	-0.06
23	109	392.50	-4.15	48.63	0.01	43.67	-0.02	-0.06
23	109	445.00	-2.46	43.15	0.10	37.01	-0.04	-0.06
23	110	340.00	1.97	-40.08	0.09	0.65	7.89e-03	0.07
23	110	392.50	5.63	-40.63	-6.24e-03	-39.37	0.02	0.07
23	110	445.00	3.83	-36.54	-0.10	-33.34	0.04	0.06
23	123	340.00	1.90	-38.10	-1.06e-03	0.62	-3.46e-04	0.10
23	123	392.50	5.38	-38.63	-0.12	-37.46	-0.01	0.10
23	123	445.00	3.68	-34.75	-0.01	-31.71	9.39e-03	0.09

23	141	340.00	-0.64	53.69	-0.09	-0.63	-8.38e-03	-0.07
23	141	392.50	-4.77	54.31	0.01	48.95	-0.02	-0.07
23	141	445.00	-2.86	48.22	0.11	41.49	-0.04	-0.07
23	142	340.00	2.13	-45.69	0.10	0.73	8.84e-03	0.08
23	142	392.50	6.25	-46.31	-7.48e-03	-44.65	0.03	0.08
23	142	445.00	4.23	-41.61	-0.12	-37.81	0.04	0.07
23	155	340.00	2.05	-43.68	-1.63e-03	0.69	-4.42e-04	0.11
23	155	392.50	5.99	-44.28	-0.14	-42.70	-0.01	0.11
23	155	445.00	4.08	-39.79	-0.01	-36.15	0.01	0.10
23	173	340.00	-0.65	53.99	-0.09	-0.64	-7.98e-03	-0.07
23	173	392.50	-4.80	54.62	0.01	49.25	-0.02	-0.07
23	173	445.00	-2.89	48.50	0.10	41.74	-0.04	-0.07
23	174	340.00	2.14	-45.99	0.10	0.73	8.44e-03	0.08
23	174	392.50	6.29	-46.62	-6.00e-03	-44.95	0.03	0.08
23	174	445.00	4.25	-41.89	-0.11	-38.07	0.04	0.07
23	187	340.00	2.10	-45.49	-1.93e-03	0.72	-6.91e-04	0.11
23	187	392.50	6.19	-46.11	-0.13	-44.39	-0.01	0.11
23	187	445.00	4.20	-41.42	-0.01	-37.58	0.01	0.10
23	213	340.00	-0.91	64.03	-0.09	-0.76	-8.61e-03	-0.09
23	213	392.50	-5.89	64.77	0.02	58.37	-0.03	-0.09
23	213	445.00	-3.58	57.47	0.12	49.47	-0.05	-0.08
23	214	340.00	2.40	-56.03	0.09	0.86	9.07e-03	0.10
23	214	392.50	7.37	-56.78	-0.01	-54.07	0.04	0.10
23	214	445.00	4.95	-50.86	-0.12	-45.80	0.05	0.09
23	219	340.00	2.38	-55.86	-2.15e-03	0.86	-8.87e-04	0.13
23	219	392.50	7.34	-56.61	-0.15	-54.12	-0.01	0.13
23	219	445.00	4.94	-50.79	-0.01	-45.83	0.01	0.12

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-5.89	-56.78	-0.73	-54.12	-0.52	-0.33
	7.37	64.77	0.87	58.37	0.26	0.66

Macro	Tipo	Angolo 1-Z (gradi)
24	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
24	9	340.00	1.15	-4.67	0.22	1.50e-03	9.44e-03	0.15
24	9	392.50	1.15	-4.67	0.20	-2.16	0.16	0.19
24	9	445.00	0.86	-3.78	-0.26	-1.52	0.0	0.13
24	31	340.00	0.73	-2.83	-0.43	0.06	-0.02	-0.31
24	31	392.50	0.73	-2.83	-0.38	-1.13	-0.30	-0.40
24	31	445.00	0.59	-2.25	0.51	-0.62	0.0	-0.27
24	41	340.00	1.10	-4.95	-0.72	-0.02	-0.03	-0.51
24	41	392.50	1.10	-4.95	-0.64	-2.38	-0.51	-0.66
24	41	445.00	0.82	-4.03	0.86	-1.81	0.0	-0.44
24	44	340.00	1.03	-4.07	-0.71	0.05	-0.03	-0.51
24	44	392.50	1.03	-4.07	-0.64	-1.74	-0.51	-0.67
24	44	445.00	0.80	-3.26	0.86	-1.08	0.0	-0.45
24	69	340.00	0.89	-3.67	0.15	-4.36e-03	6.31e-03	0.10
24	69	392.50	0.89	-3.67	0.13	-1.71	0.10	0.13
24	69	445.00	0.66	-2.97	-0.18	-1.24	0.0	0.09
24	79	340.00	0.77	-3.11	-0.28	0.04	-0.01	-0.21
24	79	392.50	0.77	-3.11	-0.25	-1.33	-0.20	-0.27
24	79	445.00	0.61	-2.50	0.34	-0.85	0.0	-0.18
24	85	340.00	0.85	-3.85	-0.48	-0.02	-0.02	-0.34
24	85	392.50	0.85	-3.85	-0.43	-1.86	-0.34	-0.44
24	85	445.00	0.64	-3.14	0.57	-1.43	0.0	-0.30
24	88	340.00	0.81	-3.27	-0.48	0.03	-0.02	-0.34
24	88	392.50	0.81	-3.27	-0.43	-1.43	-0.34	-0.44
24	88	445.00	0.62	-2.63	0.57	-0.94	0.0	-0.30
24	98	340.00	0.79	-3.31	4.32e-03	0.02	2.74e-04	-3.84e-03
24	98	392.50	0.79	-3.31	3.84e-03	-1.47	2.56e-03	-5.01e-03
24	98	445.00	0.62	-2.67	-4.25e-03	-1.00	0.0	-3.32e-03
24	99	340.00	0.86	-3.78	3.22e-03	-0.01	2.04e-04	-2.91e-03
24	99	392.50	0.86	-3.78	2.86e-03	-1.81	1.91e-03	-3.80e-03
24	99	445.00	0.65	-3.08	-3.17e-03	-1.36	0.0	-2.52e-03
24	104	340.00	0.85	-3.82	-0.09	-0.02	-3.85e-03	-0.07
24	104	392.50	0.85	-3.82	-0.08	-1.84	-0.07	-0.09
24	104	445.00	0.64	-3.11	0.11	-1.40	0.0	-0.06
24	105	340.00	0.80	-3.39	-0.09	0.02	-3.78e-03	-0.07
24	105	392.50	0.80	-3.39	-0.08	-1.53	-0.07	-0.09
24	105	445.00	0.62	-2.74	0.11	-1.06	0.0	-0.06
24	106	340.00	0.85	-3.81	3.10e-03	-0.01	1.97e-04	-2.81e-03

24	106	392.50	0.85	-3.81	2.76e-03	-1.83	1.84e-03	-3.67e-03
24	106	445.00	0.64	-3.11	-3.05e-03	-1.40	0.0	-2.44e-03
24	107	340.00	0.80	-3.38	4.15e-03	0.02	2.63e-04	-3.69e-03
24	107	392.50	0.80	-3.38	3.69e-03	-1.52	2.46e-03	-4.82e-03
24	107	445.00	0.62	-2.73	-4.08e-03	-1.06	0.0	-3.19e-03
24	112	340.00	2.34	31.78	0.08	0.07	9.48e-03	-0.05
24	112	392.50	7.05	32.28	0.19	36.47	0.05	-0.05
24	112	445.00	3.68	29.33	-0.12	31.53	0.03	-0.04
24	115	340.00	-0.73	-38.54	-0.07	-0.03	-8.95e-03	0.04
24	115	392.50	-5.44	-39.04	-0.19	-39.52	-0.05	0.04
24	115	445.00	-2.44	-34.79	0.11	-33.64	-0.03	0.04
24	117	340.00	2.25	30.18	-2.43e-03	0.08	1.41e-03	-0.08
24	117	392.50	6.70	30.65	0.11	34.56	0.01	-0.08
24	117	445.00	3.51	27.78	-0.03	29.88	5.72e-03	-0.07
24	144	340.00	2.53	36.26	0.09	0.08	0.01	-0.05
24	144	392.50	7.84	36.82	0.22	41.31	0.06	-0.05
24	144	445.00	4.07	33.41	-0.13	35.68	0.03	-0.05
24	147	340.00	-0.93	-43.02	-0.08	-0.04	-0.01	0.05
24	147	392.50	-6.23	-43.58	-0.21	-44.36	-0.05	0.05
24	147	445.00	-2.83	-38.87	0.12	-37.79	-0.03	0.04
24	149	340.00	2.44	34.62	-2.97e-03	0.08	1.60e-03	-0.09
24	149	392.50	7.48	35.15	0.13	39.34	0.01	-0.09
24	149	445.00	3.90	31.82	-0.03	33.98	6.57e-03	-0.08
24	176	340.00	2.54	36.53	0.08	0.08	0.01	-0.05
24	176	392.50	7.88	37.10	0.22	41.60	0.06	-0.06
24	176	445.00	4.09	33.66	-0.13	35.92	0.03	-0.05
24	179	340.00	-0.93	-43.29	-0.08	-0.04	-0.01	0.05
24	179	392.50	-6.28	-43.86	-0.21	-44.64	-0.05	0.05
24	179	445.00	-2.85	-39.12	0.12	-38.04	-0.03	0.04
24	181	340.00	2.50	36.05	-6.59e-04	0.08	1.90e-03	-0.09
24	181	392.50	7.73	36.60	0.13	40.86	0.02	-0.09
24	181	445.00	4.02	33.12	-0.04	35.28	7.58e-03	-0.08
24	213	340.00	2.86	44.30	3.48e-04	0.10	2.45e-03	-0.11
24	213	392.50	9.18	44.97	0.16	49.72	0.02	-0.11
24	213	445.00	4.73	40.62	-0.04	42.88	9.80e-03	-0.09
24	216	340.00	2.86	44.44	0.09	0.09	0.01	-0.07
24	216	392.50	9.21	45.10	0.26	49.85	0.07	-0.07
24	216	445.00	4.74	40.77	-0.15	43.00	0.04	-0.07
24	219	340.00	-1.26	-51.20	-0.08	-0.06	-0.01	0.06
24	219	392.50	-7.60	-51.87	-0.26	-52.90	-0.06	0.06
24	219	445.00	-3.49	-46.23	0.15	-45.11	-0.04	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.60	-51.87	-0.72	-52.90	-0.51	-0.67
	9.21	45.10	0.86	49.85	0.16	0.19

Macro	Tipo	Angolo 1-Z (gradi)
25	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
25	18	210.00	-0.58	-0.36	0.91	0.03	0.0	-0.01
25	18	253.33	-0.58	-0.36	0.91	-0.13	0.39	-0.02
25	18	296.67	-0.31	-1.02	0.06	-0.25	0.42	-0.02
25	18	340.00	-0.29	-1.53	-0.50	0.04	7.89e-03	-5.47e-03
25	19	210.00	-0.43	-0.05	0.91	-0.02	0.0	-0.01
25	19	253.33	-0.43	-0.05	0.91	-0.04	0.39	-0.02
25	19	296.67	-0.25	-0.29	0.06	-0.08	0.42	-0.01
25	19	340.00	-0.22	-0.66	-0.50	0.03	7.97e-03	-4.97e-03
25	28	210.00	-0.62	-0.70	-0.28	0.14	0.0	2.28e-03
25	28	253.33	-0.62	-0.70	-0.28	-0.16	-0.12	3.11e-03
25	28	296.67	-0.32	-1.59	-0.02	-0.35	-0.13	2.55e-03
25	28	340.00	-0.29	-2.06	0.15	0.04	-2.58e-03	-2.71e-05
25	44	210.00	-0.62	-0.68	-0.46	0.15	0.0	4.11e-03
25	44	253.33	-0.62	-0.68	-0.46	-0.14	-0.20	5.95e-03
25	44	296.67	-0.32	-1.50	-0.03	-0.32	-0.21	5.22e-03
25	44	340.00	-0.29	-1.95	0.25	0.04	-4.17e-03	8.07e-04
25	72	210.00	-0.44	-0.12	0.61	2.99e-03	0.0	-6.95e-03
25	72	253.33	-0.44	-0.12	0.61	-0.05	0.26	-0.01
25	72	296.67	-0.25	-0.41	0.04	-0.10	0.28	-0.01
25	72	340.00	-0.22	-0.77	-0.33	0.03	5.29e-03	-3.52e-03
25	75	210.00	-0.45	-0.26	0.61	0.02	0.0	-6.99e-03
25	75	253.33	-0.45	-0.26	0.61	-0.09	0.26	-0.01
25	75	296.67	-0.24	-0.73	0.04	-0.18	0.28	-0.01

25	75	340.00	-0.22	-1.11	-0.33	0.03	5.26e-03	-3.70e-03
25	80	210.00	-0.47	-0.49	-0.19	0.10	0.0	1.49e-03
25	80	253.33	-0.47	-0.49	-0.19	-0.11	-0.08	2.02e-03
25	80	296.67	-0.25	-1.12	-0.01	-0.25	-0.09	1.63e-03
25	80	340.00	-0.22	-1.47	0.10	0.03	-1.72e-03	-7.48e-05
25	88	210.00	-0.47	-0.47	-0.31	0.11	0.0	2.71e-03
25	88	253.33	-0.47	-0.47	-0.31	-0.10	-0.13	3.91e-03
25	88	296.67	-0.25	-1.06	-0.02	-0.23	-0.14	3.41e-03
25	88	340.00	-0.22	-1.40	0.17	0.03	-2.79e-03	4.81e-04
25	98	210.00	-0.46	-0.36	-2.88e-03	0.07	0.0	-2.94e-04
25	98	253.33	-0.46	-0.36	-2.88e-03	-0.09	-1.25e-03	-6.72e-04
25	98	296.67	-0.25	-0.87	-5.54e-04	-0.19	-1.49e-03	-8.31e-04
25	98	340.00	-0.22	-1.22	2.32e-03	0.03	-9.81e-05	-7.13e-04
25	102	210.00	-0.44	-0.22	0.12	0.04	0.0	-1.59e-03
25	102	253.33	-0.44	-0.22	0.12	-0.05	0.05	-2.60e-03
25	102	296.67	-0.25	-0.55	7.24e-03	-0.12	0.05	-2.56e-03
25	102	340.00	-0.22	-0.89	-0.07	0.03	1.00e-03	-1.14e-03
25	103	210.00	-0.45	-0.32	0.12	0.06	0.0	-1.63e-03
25	103	253.33	-0.45	-0.32	0.12	-0.08	0.05	-2.71e-03
25	103	296.67	-0.25	-0.79	7.10e-03	-0.18	0.05	-2.71e-03
25	103	340.00	-0.22	-1.15	-0.06	0.03	9.78e-04	-1.28e-03
25	105	210.00	-0.46	-0.36	-0.06	0.07	0.0	3.14e-04
25	105	253.33	-0.46	-0.36	-0.06	-0.08	-0.03	2.65e-04
25	105	296.67	-0.25	-0.86	-4.35e-03	-0.19	-0.03	4.65e-05
25	105	340.00	-0.22	-1.21	0.04	0.03	-6.31e-04	-4.47e-04
25	106	210.00	-0.45	-0.24	-2.10e-03	0.05	0.0	-2.51e-04
25	106	253.33	-0.45	-0.24	-2.10e-03	-0.05	-9.12e-04	-5.47e-04
25	106	296.67	-0.25	-0.59	-3.92e-04	-0.13	-1.08e-03	-6.56e-04
25	106	340.00	-0.22	-0.92	1.61e-03	0.03	-6.94e-05	-5.51e-04
25	107	210.00	-0.46	-0.35	-2.77e-03	0.07	0.0	-2.88e-04
25	107	253.33	-0.46	-0.35	-2.77e-03	-0.08	-1.20e-03	-6.54e-04
25	107	296.67	-0.25	-0.83	-5.31e-04	-0.18	-1.43e-03	-8.06e-04
25	107	340.00	-0.22	-1.18	2.22e-03	0.03	-9.40e-05	-6.90e-04
25	108	210.00	-3.14	26.88	0.07	-8.50	-0.02	-0.03
25	108	253.33	-3.14	26.88	0.07	-8.65	-0.02	-0.04
25	108	296.67	-1.33	30.56	-6.02e-03	-5.46	0.02	-0.04
25	108	340.00	0.19	19.21	-0.05	-0.06	0.01	-0.02
25	111	210.00	2.23	-27.57	-0.07	8.64	0.02	0.03
25	111	253.33	2.23	-27.57	-0.07	8.49	0.01	0.03
25	111	296.67	0.83	-32.21	4.96e-03	5.09	-0.02	0.03
25	111	340.00	-0.63	-21.57	0.06	0.12	-0.01	0.02
25	120	210.00	-1.84	13.62	0.09	-4.29	0.02	-0.04
25	120	253.33	-1.84	13.62	0.09	-4.44	0.01	-0.04
25	120	296.67	-0.83	15.30	-5.19e-03	-2.84	0.03	-0.04
25	120	340.00	-5.42e-03	9.31	-0.07	-0.02	0.01	-0.03
25	140	210.00	-3.48	30.28	0.08	-9.57	-0.02	-0.04
25	140	253.33	-3.48	30.28	0.08	-9.72	-0.02	-0.04
25	140	296.67	-1.46	34.48	-6.70e-03	-6.12	0.02	-0.04
25	140	340.00	0.24	21.76	-0.06	-0.07	0.01	-0.02
25	143	210.00	2.56	-30.98	-0.08	9.71	0.02	0.04
25	143	253.33	2.56	-30.98	-0.08	9.56	0.02	0.04
25	143	296.67	0.97	-36.14	5.64e-03	5.75	-0.03	0.04
25	143	340.00	-0.68	-24.12	0.07	0.13	-0.01	0.02
25	152	210.00	-2.00	15.27	0.11	-4.80	0.02	-0.04
25	152	253.33	-2.00	15.27	0.11	-4.95	0.02	-0.04
25	152	296.67	-0.90	17.22	-5.71e-03	-3.16	0.04	-0.04
25	152	340.00	0.02	10.56	-0.07	-0.02	0.01	-0.03
25	172	210.00	-3.36	29.11	0.08	-9.19	-0.02	-0.04
25	172	253.33	-3.36	29.11	0.08	-9.34	-0.02	-0.04
25	172	296.67	-1.42	33.14	-6.42e-03	-5.88	0.02	-0.04
25	172	340.00	0.23	20.89	-0.06	-0.07	0.01	-0.02
25	175	210.00	2.45	-29.80	-0.08	9.32	0.02	0.04
25	175	253.33	2.45	-29.80	-0.08	9.17	0.02	0.04
25	175	296.67	0.92	-34.80	5.36e-03	5.51	-0.03	0.04
25	175	340.00	-0.67	-23.25	0.06	0.13	-0.01	0.02
25	184	210.00	-1.88	14.09	0.11	-4.40	0.02	-0.04
25	184	253.33	-1.88	14.09	0.11	-4.55	0.02	-0.04
25	184	296.67	-0.85	15.86	-5.08e-03	-2.90	0.04	-0.05
25	184	340.00	4.48e-03	9.69	-0.07	-0.02	0.01	-0.03
25	204	210.00	-3.80	33.61	0.09	-10.59	-0.02	-0.05
25	204	253.33	-3.80	33.61	0.09	-10.74	-0.02	-0.05
25	204	296.67	-1.60	38.33	-7.36e-03	-6.74	0.03	-0.05
25	204	340.00	0.29	24.27	-0.07	-0.08	0.01	-0.03
25	207	210.00	2.89	-34.30	-0.09	10.73	0.02	0.04
25	207	253.33	2.89	-34.30	-0.09	10.58	0.02	0.04

25	207	296.67	1.10	-39.99	6.30e-03	6.37	-0.03	0.04
25	207	340.00	-0.73	-26.62	0.07	0.15	-0.01	0.03
25	216	210.00	-2.10	16.36	0.13	-5.09	0.02	-0.05
25	216	253.33	-2.10	16.36	0.13	-5.24	0.02	-0.05
25	216	296.67	-0.95	18.50	-5.70e-03	-3.32	0.04	-0.06
25	216	340.00	0.04	11.41	-0.09	-0.02	0.02	-0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.80	-39.99	-0.50	-10.74	-0.21	-0.06
	2.89	38.33	0.91	10.73	0.42	0.04

Macro	Tipo	Angolo 1-Z (gradi)
26	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
26	4	0.0	-251.62	-1.04	-0.03	-178.52	0.0	-5.29e-03
26	4	52.50	-251.62	-1.04	-0.03	-179.07	-0.01	-7.31e-03
26	4	105.00	-245.38	-1.07	-0.04	-170.73	-0.03	-6.66e-03
26	4	157.50	-240.51	-1.07	-0.02	-166.58	-0.05	-5.32e-03
26	4	210.00	-236.49	-1.06	-5.98e-03	-165.02	-0.05	-3.62e-03
26	4	253.33	-228.57	-4.30	0.04	-180.26	-0.03	-3.19e-03
26	4	296.67	-222.47	-5.09	0.05	-191.44	-0.01	-2.04e-03
26	4	340.00	-208.14	-5.68	0.02	-182.17	0.0	-1.45e-03
26	18	0.0	-228.89	-0.77	-0.03	-150.12	0.0	-6.28e-03
26	18	52.50	-228.89	-0.77	-0.03	-150.52	-0.02	-8.61e-03
26	18	105.00	-223.89	-0.79	-0.03	-145.82	-0.03	-7.47e-03
26	18	157.50	-220.07	-0.79	-0.02	-144.72	-0.05	-6.00e-03
26	18	210.00	-216.99	-0.78	-4.58e-03	-145.85	-0.05	-4.28e-03
26	18	253.33	-210.35	-3.58	0.04	-161.73	-0.03	-3.71e-03
26	18	296.67	-205.28	-4.28	0.04	-173.60	-0.01	-2.53e-03
26	18	340.00	-192.69	-4.81	0.03	-166.79	0.0	-1.34e-03
26	28	0.0	-243.80	-1.34	-0.01	-183.53	0.0	-8.61e-04
26	28	52.50	-243.80	-1.34	-0.01	-184.24	-5.60e-03	-1.33e-03
26	28	105.00	-235.48	-1.37	-0.03	-169.75	-0.02	-2.11e-03
26	28	157.50	-228.55	-1.38	-0.03	-159.52	-0.04	-1.45e-03
26	28	210.00	-222.50	-1.37	-8.84e-03	-151.93	-0.04	-2.47e-04
26	28	253.33	-212.89	-4.55	0.04	-161.21	-0.02	-1.67e-04
26	28	296.67	-205.25	-5.25	0.05	-167.26	-2.23e-03	7.17e-04
26	28	340.00	-190.42	-5.73	5.15e-03	-155.73	0.0	-2.64e-04
26	45	0.0	-101.86	-0.61	4.99e-03	-59.58	0.0	2.69e-03
26	45	52.50	-101.86	-0.61	4.99e-03	-59.90	2.62e-03	3.59e-03
26	45	105.00	-96.23	-0.63	-9.66e-03	-50.85	-2.45e-03	2.42e-03
26	45	157.50	-91.10	-0.63	-0.01	-43.35	-7.93e-03	2.30e-03
26	45	210.00	-86.29	-0.63	-6.27e-03	-36.82	-0.01	2.52e-03
26	45	253.33	-80.36	-1.59	0.01	-36.84	-6.22e-03	2.49e-03
26	45	296.67	-75.44	-1.72	0.02	-35.87	1.15e-03	2.82e-03
26	45	340.00	-68.74	-1.77	-2.65e-03	-31.12	0.0	1.60e-03
26	68	0.0	-179.54	-0.72	-0.02	-123.79	0.0	-3.66e-03
26	68	52.50	-179.54	-0.72	-0.02	-124.16	-9.79e-03	-5.05e-03
26	68	105.00	-174.91	-0.73	-0.03	-118.22	-0.02	-4.62e-03
26	68	157.50	-171.24	-0.74	-0.02	-115.21	-0.03	-3.67e-03
26	68	210.00	-168.17	-0.73	-4.38e-03	-114.03	-0.03	-2.48e-03
26	68	253.33	-162.36	-2.98	0.03	-124.70	-0.02	-2.16e-03
26	68	296.67	-157.86	-3.53	0.03	-132.49	-7.28e-03	-1.33e-03
26	68	340.00	-147.61	-3.93	0.02	-126.08	0.0	-9.19e-04
26	75	0.0	-164.39	-0.54	-0.02	-104.85	0.0	-4.32e-03
26	75	52.50	-164.39	-0.54	-0.02	-105.13	-0.01	-5.92e-03
26	75	105.00	-160.58	-0.55	-0.02	-101.62	-0.02	-5.15e-03
26	75	157.50	-157.62	-0.55	-0.02	-100.64	-0.03	-4.12e-03
26	75	210.00	-155.17	-0.54	-3.44e-03	-101.25	-0.03	-2.91e-03
26	75	253.33	-150.20	-2.50	0.02	-112.35	-0.02	-2.51e-03
26	75	296.67	-146.40	-2.98	0.03	-120.59	-9.32e-03	-1.66e-03
26	75	340.00	-137.31	-3.35	0.02	-115.83	0.0	-8.44e-04
26	80	0.0	-174.33	-0.92	-7.95e-03	-127.13	0.0	-7.04e-04
26	80	52.50	-174.33	-0.92	-7.95e-03	-127.61	-4.17e-03	-1.07e-03
26	80	105.00	-168.31	-0.94	-0.02	-117.57	-0.02	-1.58e-03
26	80	157.50	-163.27	-0.94	-0.02	-110.51	-0.03	-1.09e-03
26	80	210.00	-158.84	-0.93	-6.28e-03	-105.31	-0.03	-2.27e-04
26	80	253.33	-151.90	-3.15	0.03	-112.01	-0.02	-1.43e-04
26	80	296.67	-146.37	-3.63	0.03	-116.36	-2.06e-03	5.05e-04
26	80	340.00	-135.80	-3.96	4.76e-03	-108.45	0.0	-1.29e-04
26	85	0.0	-108.99	-0.54	1.84e-04	-63.12	0.0	1.28e-03
26	85	52.50	-108.99	-0.54	1.84e-04	-63.40	9.66e-05	1.68e-03

26	85	105.00	-103.83	-0.55	-0.01	-55.77	-6.01e-03	9.14e-04
26	85	157.50	-99.20	-0.56	-0.01	-49.76	-0.01	1.00e-03
26	85	210.00	-94.92	-0.55	-5.50e-03	-44.78	-0.01	1.39e-03
26	85	253.33	-89.33	-1.62	0.01	-46.72	-8.92e-03	1.45e-03
26	85	296.67	-84.73	-1.80	0.02	-47.36	-8.37e-04	1.87e-03
26	85	340.00	-77.88	-1.89	1.93e-03	-42.95	0.0	1.08e-03
26	98	0.0	-152.75	-0.64	-0.01	-101.93	0.0	-1.96e-03
26	98	52.50	-152.75	-0.64	-0.01	-102.27	-6.01e-03	-2.74e-03
26	98	105.00	-147.88	-0.66	-0.02	-95.58	-0.02	-2.74e-03
26	98	157.50	-143.82	-0.66	-0.01	-91.35	-0.02	-2.12e-03
26	98	210.00	-140.27	-0.65	-4.60e-03	-88.65	-0.03	-1.23e-03
26	98	253.33	-134.52	-2.48	0.02	-95.99	-0.02	-1.01e-03
26	98	296.67	-129.97	-2.89	0.03	-101.08	-4.47e-03	-3.55e-04
26	98	340.00	-120.95	-3.18	0.01	-95.27	0.0	-3.88e-04
26	103	0.0	-147.99	-0.57	-0.01	-95.43	0.0	-2.33e-03
26	103	52.50	-147.99	-0.57	-0.01	-95.73	-6.75e-03	-3.23e-03
26	103	105.00	-143.47	-0.59	-0.02	-90.08	-0.02	-3.07e-03
26	103	157.50	-139.72	-0.59	-0.01	-86.75	-0.02	-2.40e-03
26	103	210.00	-136.46	-0.58	-4.20e-03	-84.88	-0.03	-1.48e-03
26	103	253.33	-131.05	-2.31	0.02	-92.59	-0.02	-1.22e-03
26	103	296.67	-126.79	-2.71	0.03	-98.02	-5.47e-03	-5.45e-04
26	103	340.00	-118.17	-2.99	0.01	-92.84	0.0	-3.87e-04
26	104	0.0	-112.44	-0.37	-6.79e-03	-60.92	0.0	-8.47e-04
26	104	52.50	-112.44	-0.37	-6.79e-03	-61.12	-3.57e-03	-1.20e-03
26	104	105.00	-108.19	-0.38	-0.01	-56.19	-0.01	-1.31e-03
26	104	157.50	-104.48	-0.39	-0.01	-52.86	-0.02	-9.27e-04
26	104	210.00	-101.09	-0.38	-4.03e-03	-50.53	-0.02	-3.25e-04
26	104	253.33	-96.25	-1.48	0.01	-55.09	-0.01	-1.23e-04
26	104	296.67	-92.34	-1.70	0.02	-58.00	-3.90e-03	3.95e-04
26	104	340.00	-85.71	-1.84	9.00e-03	-54.59	0.0	3.20e-04
26	106	0.0	-113.30	-0.33	-8.54e-03	-60.37	0.0	-1.38e-03
26	106	52.50	-113.30	-0.33	-8.54e-03	-60.55	-4.48e-03	-1.92e-03
26	106	105.00	-109.28	-0.34	-0.01	-56.29	-0.01	-1.87e-03
26	106	157.50	-105.80	-0.34	-0.01	-53.63	-0.02	-1.41e-03
26	106	210.00	-102.64	-0.34	-3.66e-03	-51.96	-0.02	-7.53e-04
26	106	253.33	-97.98	-1.44	0.01	-57.19	-0.01	-5.17e-04
26	106	296.67	-94.24	-1.67	0.02	-60.66	-4.66e-03	2.68e-05
26	106	340.00	-87.66	-1.83	0.01	-57.50	0.0	1.29e-04
26	107	0.0	-147.11	-0.60	-0.01	-96.00	0.0	-1.88e-03
26	107	52.50	-147.11	-0.60	-0.01	-96.31	-5.79e-03	-2.63e-03
26	107	105.00	-142.36	-0.61	-0.02	-89.96	-0.02	-2.62e-03
26	107	157.50	-138.39	-0.61	-0.01	-85.96	-0.02	-2.02e-03
26	107	210.00	-134.89	-0.61	-4.46e-03	-83.41	-0.03	-1.16e-03
26	107	253.33	-129.30	-2.33	0.02	-90.45	-0.02	-9.41e-04
26	107	296.67	-124.86	-2.72	0.03	-95.30	-4.50e-03	-3.00e-04
26	107	340.00	-116.19	-2.99	0.01	-89.87	0.0	-3.14e-04
26	115	0.0	-96.03	-212.44	-0.04	469.46	-2.41e-03	0.13
26	115	52.50	-96.03	-212.44	-0.04	469.14	-8.20e-03	0.13
26	115	105.00	-89.56	-212.19	0.06	391.31	1.74e-03	0.15
26	115	157.50	-82.21	-211.94	-0.12	317.35	0.03	0.15
26	115	210.00	-70.26	-209.71	0.06	263.94	0.05	0.16
26	115	253.33	-60.20	-182.16	-2.53e-03	207.74	-0.14	0.15
26	115	296.67	-58.86	-175.32	-0.05	219.99	-0.12	0.15
26	115	340.00	-51.76	-173.73	0.37	215.29	-0.05	0.15
26	117	0.0	-149.95	181.38	-0.38	-608.87	-0.10	-0.12
26	117	52.50	-149.95	181.38	-0.38	-609.18	-0.11	-0.12
26	117	105.00	-143.33	179.23	-0.38	-499.34	-0.31	-0.14
26	117	157.50	-141.76	179.10	-0.11	-406.59	-0.47	-0.14
26	117	210.00	-127.70	179.20	-6.22e-03	-291.10	-0.46	-0.16
26	117	253.33	-124.58	154.14	0.24	-245.79	-0.33	-0.17
26	117	296.67	-117.78	147.77	0.42	-258.88	-0.26	-0.17
26	117	340.00	-109.88	146.09	0.27	-248.27	-0.06	-0.16
26	124	0.0	-251.53	-6.50	0.78	-276.89	0.20	-0.05
26	124	52.50	-251.53	-6.50	0.78	-277.20	0.20	-0.05
26	124	105.00	-244.49	-3.41e-03	0.50	-273.33	0.53	-0.05
26	124	157.50	-232.87	-0.10	0.39	-255.07	0.73	-0.04
26	124	210.00	-266.80	-0.86	-0.14	-362.29	0.82	7.33e-03
26	124	253.33	-267.65	-1.91	-0.33	-378.22	0.83	9.53e-03
26	124	296.67	-267.19	-2.97	-0.66	-412.90	0.61	0.01
26	124	340.00	-256.97	-3.88	-1.08	-403.35	0.23	0.01
26	127	0.0	-42.69	5.31	-0.80	84.90	-0.20	0.04
26	127	52.50	-42.69	5.31	-0.80	84.58	-0.21	0.04
26	127	105.00	-40.24	-1.22	-0.54	93.41	-0.56	0.05
26	127	157.50	-43.90	-1.12	-0.42	83.15	-0.77	0.04
26	127	210.00	-2.99	-0.36	0.13	195.47	-0.87	-9.64e-03

26	127	253.33	9.05	-2.75	0.38	197.33	-0.86	-0.01
26	127	296.67	17.46	-2.47	0.72	222.29	-0.62	-0.01
26	127	340.00	24.58	-2.10	1.10	223.60	-0.23	-0.02
26	147	0.0	-89.66	-239.34	-0.04	540.99	-2.50e-03	0.15
26	147	52.50	-89.66	-239.34	-0.04	540.67	-8.29e-03	0.15
26	147	105.00	-82.99	-239.05	0.08	452.15	4.57e-03	0.16
26	147	157.50	-75.22	-238.77	-0.14	368.27	0.04	0.17
26	147	210.00	-62.21	-236.25	0.07	307.64	0.06	0.18
26	147	253.33	-51.65	-204.99	-6.19e-03	245.21	-0.16	0.17
26	147	296.67	-50.70	-197.24	-0.06	259.47	-0.14	0.17
26	147	340.00	-43.80	-195.41	0.41	253.51	-0.06	0.16
26	149	0.0	-150.02	205.21	-0.43	-675.02	-0.11	-0.14
26	149	52.50	-150.02	205.21	-0.43	-675.33	-0.12	-0.14
26	149	105.00	-143.12	202.79	-0.42	-551.88	-0.35	-0.15
26	149	157.50	-141.79	202.64	-0.12	-447.28	-0.53	-0.16
26	149	210.00	-126.37	202.76	-7.61e-03	-316.82	-0.51	-0.18
26	149	253.33	-123.35	174.64	0.27	-264.65	-0.37	-0.19
26	149	296.67	-116.32	167.50	0.47	-278.52	-0.29	-0.19
26	149	340.00	-108.56	165.63	0.30	-267.43	-0.07	-0.19
26	156	0.0	-264.45	-7.29	0.87	-298.98	0.23	-0.05
26	156	52.50	-264.45	-7.29	0.87	-299.29	0.22	-0.05
26	156	105.00	-257.19	0.02	0.57	-295.94	0.59	-0.06
26	156	157.50	-244.68	-0.10	0.44	-276.11	0.82	-0.05
26	156	210.00	-283.24	-0.95	-0.16	-397.02	0.92	8.55e-03
26	156	253.33	-284.90	-1.91	-0.38	-414.06	0.93	0.01
26	156	296.67	-284.95	-3.06	-0.75	-452.49	0.68	0.01
26	156	340.00	-274.54	-4.04	-1.22	-442.45	0.26	0.02
26	159	0.0	-29.77	6.10	-0.89	106.98	-0.23	0.05
26	159	52.50	-29.77	6.10	-0.89	106.67	-0.23	0.05
26	159	105.00	-27.53	-1.24	-0.60	116.01	-0.62	0.05
26	159	157.50	-32.09	-1.13	-0.47	104.19	-0.86	0.04
26	159	210.00	13.46	-0.26	0.15	230.20	-0.98	-0.01
26	159	253.33	26.30	-2.75	0.42	233.16	-0.96	-0.01
26	159	296.67	35.22	-2.38	0.80	261.88	-0.69	-0.01
26	159	340.00	42.16	-1.94	1.24	262.70	-0.26	-0.02
26	179	0.0	-92.82	-239.42	-0.04	533.17	-2.91e-03	0.15
26	179	52.50	-92.82	-239.42	-0.04	532.86	-8.70e-03	0.15
26	179	105.00	-86.25	-239.11	0.08	444.34	4.32e-03	0.16
26	179	157.50	-78.68	-238.81	-0.13	359.72	0.04	0.17
26	179	210.00	-66.05	-236.28	0.07	296.58	0.07	0.17
26	179	253.33	-57.00	-205.04	-9.04e-03	233.94	-0.15	0.17
26	179	296.67	-55.92	-197.32	-0.07	244.97	-0.13	0.17
26	179	340.00	-48.92	-195.50	0.39	239.73	-0.06	0.16
26	181	0.0	-146.78	210.72	-0.40	-679.92	-0.11	-0.14
26	181	52.50	-146.78	210.72	-0.40	-680.23	-0.11	-0.14
26	181	105.00	-139.59	208.30	-0.41	-553.45	-0.33	-0.16
26	181	157.50	-137.82	208.16	-0.12	-444.44	-0.51	-0.16
26	181	210.00	-122.13	208.27	-0.02	-308.54	-0.50	-0.19
26	181	253.33	-117.05	179.53	0.26	-254.18	-0.36	-0.19
26	181	296.67	-110.68	172.23	0.47	-265.73	-0.28	-0.20
26	181	340.00	-103.36	170.33	0.29	-256.49	-0.07	-0.19
26	188	0.0	-261.35	-7.51	0.82	-291.88	0.22	-0.05
26	188	52.50	-261.35	-7.51	0.82	-292.19	0.21	-0.05
26	188	105.00	-254.63	-0.28	0.54	-290.17	0.56	-0.06
26	188	157.50	-242.62	-0.45	0.43	-271.86	0.78	-0.05
26	188	210.00	-280.18	-1.32	-0.14	-390.63	0.89	9.03e-03
26	188	253.33	-281.52	-2.27	-0.35	-407.27	0.90	0.01
26	188	296.67	-281.62	-3.38	-0.72	-444.92	0.66	0.01
26	188	340.00	-271.38	-4.31	-1.18	-435.25	0.25	0.02
26	191	0.0	-32.87	6.31	-0.84	99.88	-0.22	0.05
26	191	52.50	-32.87	6.31	-0.84	99.57	-0.22	0.05
26	191	105.00	-30.10	-0.94	-0.58	110.24	-0.59	0.05
26	191	157.50	-34.16	-0.77	-0.46	99.95	-0.83	0.04
26	191	210.00	10.40	0.10	0.13	223.80	-0.94	-0.01
26	191	253.33	22.92	-2.39	0.40	226.38	-0.93	-0.01
26	191	296.67	31.89	-2.06	0.77	254.31	-0.67	-0.02
26	191	340.00	39.00	-1.67	1.20	255.50	-0.25	-0.02
26	211	0.0	-85.07	-281.43	-0.05	639.52	-4.22e-03	0.18
26	211	52.50	-85.07	-281.43	-0.05	639.20	-0.01	0.18
26	211	105.00	-78.23	-281.04	0.10	533.97	6.28e-03	0.19
26	211	157.50	-70.18	-280.69	-0.15	433.32	0.05	0.20
26	211	210.00	-56.14	-277.71	0.08	357.42	0.08	0.21
26	211	253.33	-47.27	-240.69	-0.01	284.53	-0.17	0.20
26	211	296.67	-46.83	-231.55	-0.08	296.61	-0.15	0.20
26	211	340.00	-40.06	-229.38	0.46	289.88	-0.06	0.19

26	213	0.0	-145.76	253.76	-0.47	-795.19	-0.12	-0.17
26	213	52.50	-145.76	253.76	-0.47	-795.50	-0.13	-0.17
26	213	105.00	-137.96	250.93	-0.48	-644.11	-0.39	-0.19
26	213	157.50	-136.31	250.76	-0.14	-512.71	-0.60	-0.20
26	213	210.00	-118.44	250.89	-0.02	-349.42	-0.58	-0.22
26	213	253.33	-112.45	216.68	0.30	-282.10	-0.42	-0.23
26	213	296.67	-106.04	207.98	0.55	-294.07	-0.33	-0.24
26	213	340.00	-99.24	205.75	0.34	-285.10	-0.08	-0.23
26	220	0.0	-279.09	-8.83	0.96	-320.60	0.25	-0.06
26	220	52.50	-279.09	-8.83	0.96	-320.91	0.25	-0.06
26	220	105.00	-272.40	-0.40	0.64	-320.65	0.66	-0.07
26	220	157.50	-259.43	-0.65	0.50	-301.13	0.92	-0.05
26	220	210.00	-303.50	-1.68	-0.17	-439.55	1.04	0.01
26	220	253.33	-305.84	-2.50	-0.42	-457.50	1.05	0.01
26	220	296.67	-306.72	-3.70	-0.84	-500.42	0.77	0.02
26	220	340.00	-296.30	-4.71	-1.38	-490.26	0.29	0.02
26	223	0.0	-15.14	7.63	-0.98	128.60	-0.25	0.05
26	223	52.50	-15.14	7.63	-0.98	128.29	-0.26	0.05
26	223	105.00	-12.32	-0.82	-0.68	140.72	-0.69	0.06
26	223	157.50	-17.35	-0.57	-0.53	129.21	-0.96	0.05
26	223	210.00	33.72	0.46	0.16	272.73	-1.09	-0.01
26	223	253.33	47.24	-2.17	0.46	276.60	-1.08	-0.02
26	223	296.67	56.99	-1.73	0.90	309.81	-0.78	-0.02
26	223	340.00	63.92	-1.27	1.40	310.52	-0.29	-0.02
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-306.72	-281.43	-1.38	-795.50	-1.09	-0.24
			63.92	253.76	1.40	639.52	1.05	0.21

Macro	Tipo	Angolo 1-Z (gradi)
27	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
27	4	0.0	-351.99	-2.19	-0.28	-395.17	0.0	-0.02
27	4	52.50	-351.99	-2.19	-0.28	-396.32	-0.15	-0.03
27	4	105.00	-342.84	-2.22	-0.22	-381.86	-0.26	-0.02
27	4	157.50	-336.82	-2.25	-0.14	-375.75	-0.34	-8.67e-03
27	4	210.00	-332.84	-2.30	-0.09	-375.07	-0.38	5.63e-03
27	4	253.33	-319.46	-6.94	0.11	-368.66	-0.33	0.02
27	4	296.67	-312.32	-8.46	0.33	-373.30	-0.19	0.03
27	4	340.00	-289.19	-9.85	0.44	-338.02	0.0	0.03
27	28	0.0	-349.64	-2.17	-0.26	-408.90	0.0	-0.02
27	28	52.50	-349.64	-2.17	-0.26	-410.04	-0.14	-0.03
27	28	105.00	-337.54	-2.21	-0.23	-387.73	-0.26	-0.02
27	28	157.50	-328.56	-2.23	-0.17	-373.75	-0.35	-9.88e-03
27	28	210.00	-321.65	-2.28	-0.12	-365.28	-0.41	5.12e-03
27	28	253.33	-306.22	-6.86	0.10	-352.67	-0.37	0.02
27	28	296.67	-297.22	-8.32	0.35	-351.90	-0.22	0.03
27	28	340.00	-273.53	-9.63	0.50	-314.58	0.0	0.03
27	45	0.0	-136.84	-0.68	-0.07	-133.01	0.0	-7.50e-03
27	45	52.50	-136.84	-0.68	-0.07	-133.36	-0.04	-0.01
27	45	105.00	-129.48	-0.69	-0.09	-120.85	-0.08	-7.64e-03
27	45	157.50	-123.16	-0.70	-0.08	-111.11	-0.12	-4.07e-03
27	45	210.00	-117.55	-0.71	-0.07	-103.29	-0.16	1.38e-03
27	45	253.33	-109.32	-2.07	0.02	-95.58	-0.15	8.68e-03
27	45	296.67	-103.61	-2.46	0.12	-91.87	-0.09	0.01
27	45	340.00	-94.02	-2.79	0.22	-79.02	0.0	0.01
27	68	0.0	-248.96	-1.51	-0.20	-273.75	0.0	-0.02
27	68	52.50	-248.96	-1.51	-0.20	-274.54	-0.10	-0.02
27	68	105.00	-242.30	-1.53	-0.15	-264.36	-0.18	-0.01
27	68	157.50	-237.84	-1.55	-0.10	-259.99	-0.24	-6.09e-03
27	68	210.00	-234.79	-1.59	-0.06	-259.42	-0.27	3.89e-03
27	68	253.33	-225.14	-4.81	0.08	-254.96	-0.23	0.01
27	68	296.67	-219.90	-5.85	0.23	-258.14	-0.13	0.02
27	68	340.00	-203.54	-6.81	0.31	-233.65	0.0	0.02
27	80	0.0	-247.39	-1.50	-0.18	-282.90	0.0	-0.02
27	80	52.50	-247.39	-1.50	-0.18	-283.69	-0.09	-0.02
27	80	105.00	-238.77	-1.52	-0.16	-268.27	-0.18	-0.01
27	80	157.50	-232.33	-1.54	-0.12	-258.66	-0.24	-6.90e-03
27	80	210.00	-227.33	-1.58	-0.09	-252.90	-0.29	3.55e-03
27	80	253.33	-216.32	-4.75	0.07	-244.30	-0.26	0.02
27	80	296.67	-209.83	-5.76	0.24	-243.87	-0.15	0.02
27	80	340.00	-193.10	-6.67	0.35	-218.03	0.0	0.02

27	85	0.0	-145.33	-0.72	-0.08	-140.17	0.0	-8.42e-03
27	85	52.50	-145.33	-0.72	-0.08	-140.55	-0.04	-0.01
27	85	105.00	-138.60	-0.73	-0.09	-129.75	-0.09	-8.02e-03
27	85	157.50	-133.00	-0.74	-0.07	-121.95	-0.13	-4.04e-03
27	85	210.00	-128.16	-0.76	-0.06	-116.16	-0.16	1.60e-03
27	85	253.33	-120.22	-2.26	0.03	-109.92	-0.15	8.78e-03
27	85	296.67	-114.91	-2.71	0.13	-107.77	-0.09	0.01
27	85	340.00	-104.96	-3.10	0.21	-94.53	0.0	0.01
27	98	0.0	-210.01	-1.19	-0.15	-225.32	0.0	-0.01
27	98	52.50	-210.01	-1.19	-0.15	-225.95	-0.08	-0.02
27	98	105.00	-203.27	-1.21	-0.13	-215.37	-0.15	-0.01
27	98	157.50	-198.33	-1.23	-0.09	-209.58	-0.20	-5.42e-03
27	98	210.00	-194.57	-1.25	-0.06	-206.94	-0.23	2.93e-03
27	98	253.33	-185.54	-3.85	0.06	-201.70	-0.20	0.01
27	98	296.67	-180.26	-4.68	0.19	-202.86	-0.12	0.02
27	98	340.00	-166.21	-5.43	0.27	-182.31	0.0	0.02
27	104	0.0	-146.32	-0.69	-0.09	-133.98	0.0	-8.84e-03
27	104	52.50	-146.32	-0.69	-0.09	-134.34	-0.05	-0.01
27	104	105.00	-140.91	-0.70	-0.08	-127.04	-0.09	-7.77e-03
27	104	157.50	-136.63	-0.71	-0.06	-122.72	-0.12	-3.62e-03
27	104	210.00	-133.09	-0.73	-0.04	-120.40	-0.15	1.71e-03
27	104	253.33	-126.08	-2.26	0.04	-116.93	-0.13	8.01e-03
27	104	296.67	-121.60	-2.74	0.12	-117.20	-0.08	0.01
27	104	340.00	-111.91	-3.17	0.18	-104.88	0.0	9.85e-03
27	106	0.0	-146.56	-0.68	-0.10	-132.43	0.0	-8.95e-03
27	106	52.50	-146.56	-0.68	-0.10	-132.79	-0.05	-0.01
27	106	105.00	-141.49	-0.69	-0.08	-126.36	-0.09	-7.70e-03
27	106	157.50	-137.54	-0.70	-0.06	-122.92	-0.12	-3.51e-03
27	106	210.00	-134.33	-0.72	-0.04	-121.46	-0.14	1.74e-03
27	106	253.33	-127.54	-2.26	0.04	-118.69	-0.13	7.81e-03
27	106	296.67	-123.27	-2.75	0.12	-119.56	-0.08	0.01
27	106	340.00	-113.64	-3.19	0.17	-107.46	0.0	9.50e-03
27	107	0.0	-200.94	-1.12	-0.15	-212.05	0.0	-0.01
27	107	52.50	-200.94	-1.12	-0.15	-212.64	-0.08	-0.02
27	107	105.00	-194.44	-1.14	-0.12	-202.65	-0.14	-0.01
27	107	157.50	-189.65	-1.15	-0.09	-197.20	-0.19	-5.15e-03
27	107	210.00	-185.96	-1.18	-0.06	-194.73	-0.22	2.76e-03
27	107	253.33	-177.26	-3.62	0.06	-189.84	-0.19	0.01
27	107	296.67	-172.12	-4.40	0.18	-190.96	-0.11	0.02
27	107	340.00	-158.70	-5.11	0.26	-171.62	0.0	0.01
27	115	0.0	-218.10	-216.22	-0.25	309.06	-0.02	0.13
27	115	52.50	-218.10	-216.22	-0.25	308.47	-0.10	0.13
27	115	105.00	-197.79	-214.80	-0.22	164.21	-0.19	0.14
27	115	157.50	-195.86	-214.56	-0.18	71.27	-0.29	0.14
27	115	210.00	-194.26	-213.66	-0.04	-12.11	-0.39	0.14
27	115	253.33	-173.82	-173.24	0.12	-42.63	-0.38	0.14
27	115	296.67	-166.32	-169.34	0.33	-4.91	-0.27	0.15
27	115	340.00	-150.19	-170.65	0.53	16.48	-0.06	0.14
27	118	0.0	-239.53	-186.46	0.09	207.69	0.06	0.12
27	118	52.50	-239.53	-186.46	0.09	207.11	-0.01	0.11
27	118	105.00	-235.17	-183.98	0.08	109.68	0.06	0.13
27	118	157.50	-228.54	-183.79	0.08	22.83	0.09	0.15
27	118	210.00	-239.34	-183.32	-0.01	-92.47	0.10	0.16
27	118	253.33	-223.12	-149.39	-0.05	-130.84	0.11	0.16
27	118	296.67	-219.51	-146.17	-0.06	-113.29	0.10	0.17
27	118	340.00	-207.98	-147.35	-0.13	-101.97	0.08	0.16
27	125	0.0	-115.31	120.39	-0.80	-382.11	-0.17	-0.05
27	125	52.50	-115.31	120.39	-0.80	-382.70	-0.25	-0.06
27	125	105.00	-111.58	112.58	-0.67	-312.76	-0.63	-0.06
27	125	157.50	-119.95	112.31	-0.51	-276.42	-0.91	-0.10
27	125	210.00	-89.65	111.88	-0.11	-148.79	-1.08	-0.09
27	125	253.33	-78.98	86.99	0.38	-108.11	-1.03	-0.08
27	125	296.67	-64.24	83.31	0.85	-86.27	-0.75	-0.07
27	125	340.00	-48.67	83.20	1.41	-56.86	-0.25	-0.07
27	126	0.0	-286.57	-122.63	0.51	-42.00	0.17	0.03
27	126	52.50	-286.57	-122.63	0.51	-42.59	0.10	0.02
27	126	105.00	-277.31	-114.85	0.42	-92.54	0.35	0.04
27	126	157.50	-259.34	-114.61	0.34	-117.98	0.54	0.09
27	126	210.00	-282.28	-114.23	-2.65e-03	-240.66	0.65	0.09
27	126	253.33	-275.53	-94.24	-0.26	-271.58	0.65	0.10
27	126	296.67	-280.00	-92.12	-0.48	-295.65	0.53	0.11
27	126	340.00	-268.74	-93.43	-0.90	-286.37	0.25	0.10
27	147	0.0	-220.27	-243.53	-0.26	375.14	-0.03	0.15
27	147	52.50	-220.27	-243.53	-0.26	374.55	-0.10	0.15
27	147	105.00	-198.25	-241.93	-0.23	210.70	-0.19	0.16

27	147	157.50	-196.70	-241.66	-0.19	105.21	-0.31	0.16
27	147	210.00	-195.35	-240.64	-0.04	10.89	-0.41	0.16
27	147	253.33	-173.49	-194.78	0.13	-24.06	-0.40	0.16
27	147	296.67	-165.69	-190.28	0.35	18.39	-0.29	0.16
27	147	340.00	-149.22	-191.67	0.56	40.05	-0.07	0.15
27	150	0.0	-244.44	-210.73	0.11	262.21	0.07	0.14
27	150	52.50	-244.43	-210.73	0.11	261.62	-5.26e-03	0.13
27	150	105.00	-240.39	-207.94	0.10	150.13	0.08	0.15
27	150	157.50	-233.59	-207.72	0.10	51.01	0.12	0.17
27	150	210.00	-246.15	-207.18	-3.45e-03	-79.59	0.13	0.18
27	150	253.33	-229.14	-168.51	-0.07	-123.40	0.15	0.18
27	150	296.67	-225.69	-164.76	-0.09	-103.94	0.13	0.19
27	150	340.00	-214.37	-166.00	-0.18	-93.50	0.09	0.17
27	157	0.0	-104.56	135.85	-0.88	-403.81	-0.19	-0.06
27	157	52.50	-104.56	135.85	-0.88	-404.40	-0.27	-0.06
27	157	105.00	-101.18	127.06	-0.73	-326.90	-0.69	-0.07
27	157	157.50	-111.19	126.76	-0.56	-286.53	-1.00	-0.11
27	157	210.00	-77.61	126.28	-0.12	-143.19	-1.18	-0.10
27	157	253.33	-66.68	98.54	0.42	-98.04	-1.14	-0.09
27	157	296.67	-50.75	94.50	0.93	-73.29	-0.83	-0.09
27	157	340.00	-34.90	94.46	1.55	-42.62	-0.28	-0.08
27	158	0.0	-297.33	-138.10	0.59	-20.29	0.19	0.03
27	158	52.50	-297.33	-138.10	0.59	-20.88	0.12	0.03
27	158	105.00	-287.71	-129.33	0.49	-78.40	0.41	0.05
27	158	157.50	-268.10	-129.07	0.39	-107.86	0.63	0.10
27	158	210.00	-294.31	-128.63	5.75e-03	-246.26	0.75	0.11
27	158	253.33	-287.83	-105.79	-0.30	-281.65	0.76	0.11
27	158	296.67	-293.49	-103.31	-0.56	-308.63	0.60	0.12
27	158	340.00	-282.50	-104.68	-1.04	-300.61	0.28	0.11
27	179	0.0	-220.26	-243.63	-0.27	372.19	-0.03	0.15
27	179	52.50	-220.26	-243.63	-0.27	371.60	-0.10	0.15
27	179	105.00	-198.58	-242.03	-0.22	207.64	-0.20	0.16
27	179	157.50	-197.31	-241.75	-0.18	101.32	-0.31	0.16
27	179	210.00	-195.60	-240.73	-0.04	6.59	-0.41	0.16
27	179	253.33	-174.99	-194.89	0.13	-27.06	-0.39	0.16
27	179	296.67	-167.21	-190.38	0.34	11.47	-0.29	0.16
27	179	340.00	-150.82	-191.76	0.55	33.45	-0.06	0.15
27	182	0.0	-244.46	-216.39	0.09	270.37	0.07	0.14
27	182	52.50	-244.46	-216.39	0.09	269.78	-0.01	0.14
27	182	105.00	-240.78	-213.60	0.10	155.01	0.06	0.15
27	182	157.50	-234.39	-213.38	0.09	51.64	0.11	0.17
27	182	210.00	-246.36	-212.83	1.79e-03	-81.84	0.12	0.18
27	182	253.33	-230.82	-173.11	-0.06	-124.93	0.14	0.19
27	182	296.67	-227.25	-169.26	-0.08	-109.85	0.12	0.19
27	182	340.00	-215.63	-170.51	-0.17	-98.08	0.09	0.18
27	189	0.0	-105.54	136.10	-0.83	-403.28	-0.18	-0.06
27	189	52.50	-105.54	136.10	-0.83	-403.87	-0.26	-0.06
27	189	105.00	-102.14	127.34	-0.71	-326.64	-0.66	-0.07
27	189	157.50	-111.95	127.07	-0.55	-285.58	-0.96	-0.11
27	189	210.00	-79.30	126.59	-0.13	-143.29	-1.15	-0.10
27	189	253.33	-67.91	98.86	0.40	-99.16	-1.11	-0.09
27	189	296.67	-52.20	94.81	0.90	-73.68	-0.81	-0.09
27	189	340.00	-36.32	94.73	1.52	-43.27	-0.27	-0.08
27	190	0.0	-296.35	-138.34	0.54	-20.83	0.18	0.03
27	190	52.50	-296.35	-138.34	0.54	-21.42	0.10	0.03
27	190	105.00	-286.74	-129.62	0.47	-78.66	0.38	0.05
27	190	157.50	-267.34	-129.37	0.38	-108.81	0.59	0.10
27	190	210.00	-292.63	-128.95	0.02	-246.16	0.72	0.11
27	190	253.33	-286.60	-106.11	-0.28	-280.53	0.73	0.11
27	190	296.67	-292.04	-103.62	-0.54	-308.23	0.58	0.12
27	190	340.00	-281.09	-104.95	-1.00	-299.96	0.27	0.11
27	211	0.0	-223.62	-286.30	-0.29	473.27	-0.03	0.18
27	211	52.50	-223.62	-286.30	-0.29	472.68	-0.11	0.17
27	211	105.00	-199.52	-284.41	-0.24	278.10	-0.21	0.19
27	211	157.50	-199.05	-284.08	-0.20	151.60	-0.33	0.19
27	211	210.00	-197.52	-282.87	-0.04	39.60	-0.44	0.19
27	211	253.33	-175.47	-228.56	0.14	-0.32	-0.42	0.19
27	211	296.67	-167.28	-223.12	0.37	43.15	-0.32	0.19
27	211	340.00	-150.42	-224.59	0.59	65.71	-0.07	0.17
27	214	0.0	-252.33	-260.27	0.13	367.44	0.08	0.17
27	214	52.50	-252.33	-260.27	0.13	366.85	-1.48e-04	0.17
27	214	105.00	-249.35	-256.99	0.13	226.71	0.10	0.19
27	214	157.50	-242.98	-256.72	0.13	100.20	0.15	0.21
27	214	210.00	-257.52	-256.06	0.01	-60.37	0.18	0.21
27	214	253.33	-241.30	-207.78	-0.08	-112.18	0.20	0.22

27	214	296.67	-237.94	-202.99	-0.13	-95.90	0.16	0.23
27	214	340.00	-226.51	-204.33	-0.24	-84.85	0.11	0.21
27	221	0.0	-89.58	160.34	-0.95	-437.28	-0.21	-0.07
27	221	52.50	-89.58	160.34	-0.95	-437.87	-0.29	-0.07
27	221	105.00	-86.83	150.09	-0.81	-349.23	-0.74	-0.08
27	221	157.50	-98.95	149.79	-0.63	-301.17	-1.09	-0.13
27	221	210.00	-61.71	149.24	-0.14	-135.04	-1.30	-0.12
27	221	253.33	-49.68	117.07	0.45	-84.70	-1.26	-0.11
27	221	296.67	-32.31	112.45	1.02	-54.38	-0.92	-0.11
27	221	340.00	-16.01	112.44	1.72	-22.19	-0.32	-0.10
27	222	0.0	-312.31	-162.58	0.65	13.17	0.21	0.04
27	222	52.50	-312.31	-162.58	0.65	12.58	0.13	0.04
27	222	105.00	-302.05	-152.36	0.56	-56.07	0.46	0.06
27	222	157.50	-280.35	-152.10	0.46	-93.23	0.72	0.12
27	222	210.00	-310.22	-151.60	0.03	-254.42	0.87	0.13
27	222	253.33	-304.83	-124.32	-0.34	-294.98	0.88	0.13
27	222	296.67	-311.92	-121.26	-0.66	-327.53	0.70	0.14
27	222	340.00	-301.39	-122.67	-1.21	-321.05	0.32	0.13

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-351.99	-286.30	-1.21	-437.87	-1.30	-0.13
	-16.01	160.34	1.72	473.27	0.88	0.23

Macro	Tipo	Angolo 1-Z (gradi)
28	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
28	4	210.00	-12.34	5.44	-0.08	2.18	0.0	-0.01
28	4	253.33	-12.34	5.44	-0.08	4.53	-0.03	-0.02
28	4	296.67	-18.18	7.17	7.17e-04	7.72	-0.03	-0.03
28	4	340.00	-3.13	6.98	0.08	1.09	-1.65e-03	-0.02
28	28	210.00	-11.73	5.45	-0.09	1.97	0.0	-0.01
28	28	253.33	-11.73	5.45	-0.09	4.33	-0.04	-0.02
28	28	296.67	-17.12	7.11	-7.94e-05	7.31	-0.04	-0.03
28	28	340.00	-2.94	6.78	0.09	1.02	-2.00e-03	-0.02
28	45	210.00	-3.83	1.65	-0.04	0.44	0.0	-4.02e-03
28	45	253.33	-3.83	1.65	-0.04	1.16	-0.02	-8.55e-03
28	45	296.67	-5.38	2.11	-7.87e-04	1.91	-0.02	-0.01
28	45	340.00	-0.93	1.90	0.04	0.31	-9.45e-04	-6.94e-03
28	68	210.00	-8.65	3.77	-0.05	1.50	0.0	-8.98e-03
28	68	253.33	-8.65	3.77	-0.05	3.13	-0.02	-0.02
28	68	296.67	-12.73	4.96	4.70e-04	5.33	-0.02	-0.02
28	68	340.00	-2.19	4.83	0.06	0.76	-1.16e-03	-0.01
28	80	210.00	-8.24	3.77	-0.06	1.36	0.0	-8.82e-03
28	80	253.33	-8.24	3.77	-0.06	3.00	-0.03	-0.02
28	80	296.67	-12.01	4.93	-6.14e-05	5.06	-0.03	-0.02
28	80	340.00	-2.06	4.69	0.06	0.71	-1.39e-03	-0.01
28	85	210.00	-4.29	1.80	-0.04	0.56	0.0	-4.44e-03
28	85	253.33	-4.29	1.80	-0.04	1.34	-0.02	-9.08e-03
28	85	296.67	-6.12	2.32	-5.12e-04	2.23	-0.02	-0.01
28	85	340.00	-1.06	2.15	0.04	0.35	-8.87e-04	-7.00e-03
28	98	210.00	-7.02	3.06	-0.05	1.15	0.0	-7.31e-03
28	98	253.33	-7.02	3.06	-0.05	2.47	-0.02	-0.01
28	98	296.67	-10.24	4.01	1.92e-04	4.19	-0.02	-0.02
28	98	340.00	-1.77	3.85	0.05	0.61	-1.04e-03	-9.76e-03
28	104	210.00	-4.57	1.80	-0.03	0.64	0.0	-4.58e-03
28	104	253.33	-4.57	1.80	-0.03	1.42	-0.01	-8.92e-03
28	104	296.67	-6.59	2.35	-9.49e-05	2.41	-0.01	-0.01
28	104	340.00	-1.14	2.24	0.03	0.38	-7.20e-04	-6.38e-03
28	106	210.00	-4.63	1.80	-0.03	0.67	0.0	-4.61e-03
28	106	253.33	-4.63	1.80	-0.03	1.45	-0.01	-8.88e-03
28	106	296.67	-6.71	2.35	9.23e-06	2.46	-0.01	-0.01
28	106	340.00	-1.16	2.26	0.03	0.39	-6.79e-04	-6.23e-03
28	107	210.00	-6.68	2.88	-0.04	1.08	0.0	-6.92e-03
28	107	253.33	-6.68	2.88	-0.04	2.33	-0.02	-0.01
28	107	296.67	-9.74	3.77	1.66e-04	3.95	-0.02	-0.02
28	107	340.00	-1.68	3.62	0.05	0.57	-9.90e-04	-9.26e-03
28	109	210.00	-3.63	50.18	-0.12	-2.48	-0.01	-0.03
28	109	253.33	-3.63	50.18	-0.12	-1.23	-0.03	-0.03
28	109	296.67	-7.43	57.51	-8.15e-03	7.75	-0.04	-0.04
28	109	340.00	-1.87	35.58	0.07	0.64	-6.09e-03	-0.02
28	120	210.00	-6.13	43.36	-0.05	-1.79	2.93e-04	-0.04
28	120	253.33	-6.13	43.36	-0.05	-0.54	-0.02	-0.04

28	120	296.67	-11.14	49.62	5.64e-03	7.16	-4.81e-03	-0.05
28	120	340.00	-2.01	34.02	0.01	0.64	3.63e-03	-0.03
28	127	210.00	-2.33	6.24	-0.17	0.65	-0.03	0.01
28	127	253.33	-2.33	6.24	-0.17	1.90	-0.05	7.72e-03
28	127	296.67	-2.12	7.73	-0.02	0.89	-0.08	6.16e-03
28	127	340.00	-1.14	-6.38	0.15	0.48	-0.02	4.22e-03
28	128	210.00	-10.97	-2.47	0.09	1.50	0.03	-0.03
28	128	253.33	-10.97	-2.47	0.09	2.74	8.49e-03	-0.03
28	128	296.67	-17.41	-2.47	0.02	6.67	0.04	-0.04
28	128	340.00	-2.20	12.09	-0.05	0.67	0.02	-0.02
28	141	210.00	-3.24	56.18	-0.13	-2.92	-0.01	-0.03
28	141	253.33	-3.24	56.18	-0.13	-1.68	-0.03	-0.03
28	141	296.67	-7.14	64.33	-9.20e-03	8.22	-0.04	-0.04
28	141	340.00	-1.90	39.64	0.07	0.65	-6.72e-03	-0.02
28	152	210.00	-6.04	48.65	-0.05	-2.15	3.11e-04	-0.04
28	152	253.33	-6.04	48.65	-0.05	-0.90	-0.02	-0.05
28	152	296.67	-11.30	55.60	6.34e-03	7.53	-3.06e-03	-0.05
28	152	340.00	-2.04	37.98	0.01	0.65	4.17e-03	-0.03
28	160	210.00	-11.50	-3.10	0.10	1.55	0.03	-0.03
28	160	253.33	-11.50	-3.10	0.10	2.80	0.01	-0.04
28	160	296.67	-18.36	-3.21	0.03	7.00	0.05	-0.04
28	160	340.00	-2.26	13.19	-0.06	0.68	0.02	-0.02
28	161	210.00	-0.64	33.18	-0.21	-1.54	-0.04	1.68e-03
28	161	253.33	-0.64	33.18	-0.21	-0.30	-0.06	-5.51e-03
28	161	296.67	-1.21	38.29	-0.03	3.04	-0.09	-8.17e-03
28	161	340.00	-1.26	12.33	0.15	0.52	-0.02	-4.88e-03
28	173	210.00	-3.20	56.10	-0.13	-2.82	-0.01	-0.03
28	173	253.33	-3.20	56.10	-0.13	-1.57	-0.03	-0.03
28	173	296.67	-7.13	64.22	-9.03e-03	7.93	-0.04	-0.04
28	173	340.00	-1.87	39.57	0.07	0.64	-6.76e-03	-0.02
28	184	210.00	-5.87	49.74	-0.05	-2.18	1.78e-04	-0.04
28	184	253.33	-5.87	49.74	-0.05	-0.93	-0.02	-0.05
28	184	296.67	-11.12	56.80	6.34e-03	7.16	-3.73e-03	-0.05
28	184	340.00	-2.00	38.77	0.01	0.64	3.81e-03	-0.03
28	190	210.00	-12.52	-29.56	0.12	3.70	0.03	-0.02
28	190	253.33	-12.52	-29.56	0.12	4.95	0.01	-0.02
28	190	296.67	-18.08	-33.20	0.03	4.58	0.05	-0.02
28	190	340.00	-2.07	-6.79	-0.06	0.63	0.02	-0.01
28	193	210.00	-0.75	33.47	-0.21	-1.60	-0.04	8.82e-04
28	193	253.33	-0.75	33.47	-0.21	-0.35	-0.05	-6.37e-03
28	193	296.67	-1.44	38.60	-0.03	2.90	-0.09	-9.32e-03
28	193	340.00	-1.26	12.58	0.15	0.52	-0.02	-5.64e-03
28	205	210.00	-2.57	65.40	-0.14	-3.47	-0.01	-0.03
28	205	253.33	-2.57	65.40	-0.14	-2.22	-0.03	-0.04
28	205	296.67	-6.67	74.76	-0.01	8.49	-0.05	-0.04
28	205	340.00	-1.90	45.84	0.07	0.65	-7.78e-03	-0.03
28	216	210.00	-5.60	59.20	-0.05	-2.84	-2.71e-05	-0.05
28	216	253.33	-5.60	59.20	-0.05	-1.59	-0.02	-0.05
28	216	296.67	-11.26	67.51	7.42e-03	7.60	-1.43e-03	-0.06
28	216	340.00	-2.05	45.86	7.00e-03	0.65	4.44e-03	-0.04
28	222	210.00	-13.50	-35.21	0.15	4.17	0.04	-0.02
28	222	253.33	-13.50	-35.21	0.15	5.42	0.02	-0.02
28	222	296.67	-19.41	-39.62	0.03	4.73	0.06	-0.02
28	222	340.00	-2.14	-8.62	-0.07	0.64	0.02	-0.01
28	225	210.00	0.26	39.18	-0.24	-2.11	-0.04	1.86e-03
28	225	253.33	0.26	39.18	-0.24	-0.86	-0.06	-5.54e-03
28	225	296.67	-0.11	45.08	-0.03	2.69	-0.10	-8.68e-03
28	225	340.00	-1.19	14.45	0.17	0.50	-0.02	-5.21e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-19.41	-39.62	-0.24	-3.47	-0.10	-0.06
			0.26	74.76	0.17	8.49	0.06	0.01

Macro	Tipo	Angolo 1-Z (gradi)
29	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
29	4	210.00	-10.06	3.92	-0.04	1.92	0.0	-0.01
29	4	253.33	-10.06	3.92	-0.04	3.62	-0.02	-0.02
29	4	296.67	-14.88	5.13	1.84e-03	6.17	-0.02	-0.02
29	4	340.00	-2.63	5.16	0.05	0.90	-7.41e-04	-0.01
29	28	210.00	-9.59	3.79	-0.05	1.82	0.0	-0.01
29	28	253.33	-9.59	3.79	-0.05	3.46	-0.02	-0.02

29	28	296.67	-14.16	4.95	1.87e-03	5.88	-0.02	-0.03
29	28	340.00	-2.51	4.93	0.05	0.86	-8.51e-04	-0.01
29	45	210.00	-3.35	1.08	-0.02	0.49	0.0	-5.34e-03
29	45	253.33	-3.35	1.08	-0.02	0.95	-9.07e-03	-9.42e-03
29	45	296.67	-4.81	1.40	8.20e-04	1.61	-8.71e-03	-0.01
29	45	340.00	-0.86	1.36	0.02	0.28	-3.73e-04	-5.81e-03
29	68	210.00	-7.08	2.72	-0.03	1.33	0.0	-9.24e-03
29	68	253.33	-7.08	2.72	-0.03	2.51	-0.01	-0.02
29	68	296.67	-10.46	3.56	1.30e-03	4.27	-0.01	-0.02
29	68	340.00	-1.85	3.57	0.03	0.63	-5.21e-04	-9.47e-03
29	80	210.00	-6.77	2.63	-0.03	1.26	0.0	-9.59e-03
29	80	253.33	-6.77	2.63	-0.03	2.40	-0.01	-0.02
29	80	296.67	-9.97	3.43	1.32e-03	4.08	-0.01	-0.02
29	80	340.00	-1.77	3.42	0.04	0.60	-5.94e-04	-0.01
29	85	210.00	-3.71	1.23	-0.02	0.57	0.0	-5.52e-03
29	85	253.33	-3.71	1.23	-0.02	1.10	-9.02e-03	-9.69e-03
29	85	296.67	-5.37	1.60	8.36e-04	1.86	-8.65e-03	-0.01
29	85	340.00	-0.96	1.57	0.02	0.31	-3.62e-04	-5.90e-03
29	98	210.00	-5.80	2.17	-0.03	1.04	0.0	-7.84e-03
29	98	253.33	-5.80	2.17	-0.03	1.97	-0.01	-0.01
29	98	296.67	-8.51	2.83	1.10e-03	3.36	-0.01	-0.01
29	98	340.00	-1.51	2.82	0.03	0.51	-4.61e-04	-8.11e-03
29	104	210.00	-3.92	1.29	-0.02	0.61	0.0	-5.29e-03
29	104	253.33	-3.92	1.29	-0.02	1.17	-8.15e-03	-9.22e-03
29	104	296.67	-5.69	1.68	7.95e-04	1.99	-7.80e-03	-9.72e-03
29	104	340.00	-1.01	1.67	0.02	0.33	-3.13e-04	-5.50e-03
29	106	210.00	-3.97	1.31	-0.02	0.62	0.0	-5.23e-03
29	106	253.33	-3.97	1.31	-0.02	1.19	-7.93e-03	-9.10e-03
29	106	296.67	-5.77	1.71	7.85e-04	2.02	-7.59e-03	-9.58e-03
29	106	340.00	-1.03	1.70	0.02	0.34	-3.01e-04	-5.40e-03
29	107	210.00	-5.53	2.04	-0.03	0.98	0.0	-7.47e-03
29	107	253.33	-5.53	2.04	-0.03	1.86	-0.01	-0.01
29	107	296.67	-8.12	2.67	1.06e-03	3.17	-0.01	-0.01
29	107	340.00	-1.44	2.66	0.03	0.49	-4.38e-04	-7.72e-03
29	109	210.00	-4.36	49.28	-0.05	-1.65	-9.21e-03	-0.03
29	109	253.33	-4.36	49.28	-0.05	-0.76	-0.02	-0.04
29	109	296.67	-6.06	56.13	-2.93e-03	7.62	-0.03	-0.04
29	109	340.00	-1.68	34.45	0.06	0.56	-8.10e-03	-0.02
29	120	210.00	-6.46	42.46	0.01	-1.25	4.49e-03	-0.04
29	120	253.33	-6.46	42.46	0.01	-0.36	-6.82e-03	-0.04
29	120	296.67	-9.15	48.30	8.00e-03	6.46	5.75e-04	-0.05
29	120	340.00	-1.75	32.94	0.02	0.55	6.67e-03	-0.03
29	124	210.00	-9.55	-1.38	0.08	1.10	0.02	-0.03
29	124	253.33	-9.55	-1.38	0.08	1.98	8.77e-03	-0.03
29	124	296.67	-15.35	-1.30	0.02	5.44	0.03	-0.04
29	124	340.00	-1.88	12.55	-0.04	0.58	0.01	-0.02
29	127	210.00	-1.51	5.47	-0.13	0.86	-0.02	0.01
29	127	253.33	-1.51	5.47	-0.13	1.74	-0.03	7.04e-03
29	127	296.67	-0.89	6.64	-0.02	0.90	-0.05	7.63e-03
29	127	340.00	-1.01	-7.23	0.09	0.40	-0.01	6.00e-03
29	141	210.00	-4.22	55.27	-0.05	-1.97	-0.01	-0.03
29	141	253.33	-4.22	55.27	-0.05	-1.08	-0.02	-0.04
29	141	296.67	-5.81	62.91	-3.44e-03	8.17	-0.03	-0.04
29	141	340.00	-1.70	38.48	0.06	0.57	-9.06e-03	-0.03
29	152	210.00	-6.56	47.74	0.02	-1.52	5.06e-03	-0.04
29	152	253.33	-6.56	47.74	0.02	-0.64	-6.25e-03	-0.05
29	152	296.67	-9.28	54.25	8.85e-03	6.85	2.00e-03	-0.05
29	152	340.00	-1.79	36.89	0.02	0.56	7.55e-03	-0.03
29	156	210.00	-10.05	-1.81	0.09	1.12	0.02	-0.03
29	156	253.33	-10.05	-1.81	0.09	2.00	0.01	-0.04
29	156	296.67	-16.25	-1.80	0.02	5.73	0.04	-0.04
29	156	340.00	-1.93	13.80	-0.05	0.59	0.01	-0.02
29	159	210.00	-1.02	5.90	-0.14	0.84	-0.02	0.02
29	159	253.33	-1.02	5.90	-0.14	1.72	-0.03	9.54e-03
29	159	296.67	6.34e-03	7.14	-0.02	0.62	-0.06	0.01
29	159	340.00	-0.96	-8.48	0.10	0.39	-0.01	7.70e-03
29	173	210.00	-4.23	55.20	-0.05	-1.82	-9.96e-03	-0.03
29	173	253.33	-4.23	55.20	-0.05	-0.94	-0.02	-0.04
29	173	296.67	-5.92	62.81	-3.53e-03	7.93	-0.03	-0.04
29	173	340.00	-1.69	38.43	0.06	0.57	-8.82e-03	-0.03
29	184	210.00	-6.48	48.84	0.01	-1.47	5.10e-03	-0.04
29	184	253.33	-6.48	48.84	0.01	-0.59	-6.21e-03	-0.05
29	184	296.67	-9.31	55.48	8.52e-03	6.57	1.91e-03	-0.05
29	184	340.00	-1.76	37.69	0.02	0.55	7.35e-03	-0.03
29	192	210.00	-9.84	-3.63	0.08	1.18	0.02	-0.03

29	192	253.33	-9.84	-3.63	0.08	2.07	0.01	-0.04
29	192	296.67	-16.00	-3.89	0.02	5.23	0.04	-0.04
29	192	340.00	-1.89	12.35	-0.04	0.58	0.01	-0.02
29	195	210.00	-1.23	7.72	-0.14	0.77	-0.02	0.02
29	195	253.33	-1.23	7.72	-0.14	1.66	-0.03	9.56e-03
29	195	296.67	-0.24	9.22	-0.02	1.11	-0.06	0.01
29	195	340.00	-1.00	-7.03	0.10	0.40	-0.01	7.61e-03
29	205	210.00	-3.99	64.48	-0.05	-2.25	-0.01	-0.04
29	205	253.33	-3.99	64.48	-0.05	-1.37	-0.02	-0.04
29	205	296.67	-5.60	73.31	-4.37e-03	8.64	-0.03	-0.05
29	205	340.00	-1.73	44.68	0.07	0.58	-0.01	-0.03
29	216	210.00	-6.60	58.31	0.02	-1.94	5.96e-03	-0.05
29	216	253.33	-6.60	58.31	0.02	-1.05	-5.35e-03	-0.06
29	216	296.67	-9.54	66.15	9.71e-03	7.09	4.04e-03	-0.06
29	216	340.00	-1.81	44.77	0.02	0.56	8.66e-03	-0.04
29	224	210.00	-10.52	-4.22	0.10	1.22	0.03	-0.03
29	224	253.33	-10.52	-4.22	0.10	2.11	0.01	-0.04
29	224	296.67	-17.24	-4.57	0.03	5.57	0.04	-0.04
29	224	340.00	-1.96	14.32	-0.05	0.59	0.02	-0.03
29	227	210.00	-0.55	8.31	-0.15	0.73	-0.03	0.02
29	227	253.33	-0.55	8.31	-0.15	1.62	-0.04	0.01
29	227	296.67	1.00	9.91	-0.02	0.77	-0.07	0.01
29	227	340.00	-0.93	-9.00	0.11	0.38	-0.02	0.01
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-17.24	-9.00	-0.15	-2.25	-0.07	-0.06
			1.00	73.31	0.11	8.64	0.04	0.02

Macro	Tipo	Angolo 1-Z (gradi)
30	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
30	18	0.0	-397.60	-23.24	0.22	-7.13	0.0	-1.60e-03
30	18	40.00	-397.60	-23.24	0.22	2.16	0.09	-1.85e-03
30	18	80.00	-391.16	-23.08	0.15	7.56	0.15	1.11e-03
30	18	120.00	-386.89	-22.95	0.12	12.57	0.19	3.81e-03
30	18	165.00	-383.89	-22.81	0.05	18.27	0.22	3.23e-03
30	18	210.00	-381.69	-22.66	-0.02	23.45	0.21	1.13e-03
30	18	253.33	-379.91	-22.52	-0.03	27.97	0.19	-4.38e-04
30	18	296.67	-377.60	-22.39	-0.09	31.86	0.15	-2.15e-03
30	18	340.00	-361.54	-22.28	-0.35	30.70	0.0	-3.70e-03
30	19	0.0	-159.12	-22.08	0.08	-31.80	0.0	-2.02e-03
30	19	40.00	-159.12	-22.08	0.08	-22.97	0.03	-2.71e-03
30	19	80.00	-155.91	-21.92	0.05	-17.18	0.05	-2.23e-04
30	19	120.00	-153.59	-21.78	0.04	-12.01	0.07	1.60e-03
30	19	165.00	-151.77	-21.64	0.02	-6.35	0.08	2.07e-03
30	19	210.00	-150.23	-21.49	-7.76e-03	-1.26	0.07	1.67e-03
30	19	253.33	-148.89	-21.34	-9.02e-03	3.27	0.07	1.02e-03
30	19	296.67	-147.36	-21.19	-0.03	7.52	0.06	2.46e-04
30	19	340.00	-140.56	-21.07	-0.13	9.80	0.0	-5.69e-04
30	28	0.0	-482.74	9.87	0.26	89.85	0.0	3.04e-03
30	28	40.00	-482.74	9.87	0.26	85.90	0.11	4.93e-03
30	28	80.00	-475.29	9.80	0.19	81.26	0.18	4.10e-03
30	28	120.00	-470.39	9.74	0.16	77.66	0.24	4.81e-03
30	28	165.00	-467.04	9.69	0.07	74.41	0.27	1.68e-03
30	28	210.00	-464.65	9.64	-0.03	71.64	0.26	-2.47e-03
30	28	253.33	-462.74	9.58	-0.05	69.05	0.24	-4.48e-03
30	28	296.67	-460.18	9.49	-0.12	65.75	0.19	-6.60e-03
30	28	340.00	-440.52	9.39	-0.43	55.35	0.0	-8.37e-03
30	44	0.0	-429.43	18.49	0.23	107.78	0.0	4.19e-03
30	44	40.00	-429.43	18.49	0.23	100.38	0.09	6.55e-03
30	44	80.00	-422.61	18.38	0.17	93.32	0.16	4.57e-03
30	44	120.00	-418.05	18.29	0.14	87.59	0.22	4.50e-03
30	44	165.00	-414.85	18.20	0.06	82.08	0.24	1.02e-03
30	44	210.00	-412.48	18.12	-0.03	77.28	0.23	-3.15e-03
30	44	253.33	-410.55	18.03	-0.04	72.91	0.21	-5.03e-03
30	44	296.67	-408.05	17.91	-0.11	67.93	0.17	-7.01e-03
30	44	340.00	-390.26	17.78	-0.39	56.18	0.0	-8.68e-03
30	72	0.0	-175.82	-15.22	0.09	-11.52	0.0	-1.07e-03
30	72	40.00	-175.82	-15.22	0.09	-5.43	0.04	-1.32e-03
30	72	80.00	-172.41	-15.11	0.06	-1.73	0.06	3.73e-04
30	72	120.00	-169.97	-15.02	0.05	1.66	0.08	1.77e-03
30	72	165.00	-168.07	-14.92	0.02	5.46	0.09	1.71e-03

30	72	210.00	-166.49	-14.83	-9.64e-03	8.91	0.09	8.80e-04
30	72	253.33	-165.12	-14.73	-0.01	11.97	0.08	1.49e-04
30	72	296.67	-163.54	-14.64	-0.04	14.76	0.06	-7.09e-04
30	72	340.00	-156.02	-14.56	-0.15	15.12	0.0	-1.57e-03
30	75	0.0	-282.30	-15.64	0.15	-2.08	0.0	-9.75e-04
30	75	40.00	-282.30	-15.64	0.15	4.18	0.06	-1.08e-03
30	75	80.00	-277.63	-15.53	0.10	7.73	0.10	8.85e-04
30	75	120.00	-274.49	-15.44	0.09	11.06	0.14	2.72e-03
30	75	165.00	-272.26	-15.35	0.04	14.87	0.15	2.23e-03
30	75	210.00	-270.58	-15.25	-0.02	18.34	0.15	6.85e-04
30	75	253.33	-269.20	-15.16	-0.02	21.37	0.14	-4.33e-04
30	75	296.67	-267.46	-15.07	-0.07	23.95	0.11	-1.67e-03
30	75	340.00	-255.96	-15.00	-0.25	22.88	0.0	-2.79e-03
30	80	0.0	-339.06	6.44	0.19	62.57	0.0	2.12e-03
30	80	40.00	-339.06	6.44	0.19	60.00	0.07	3.43e-03
30	80	80.00	-333.71	6.39	0.13	56.87	0.13	2.87e-03
30	80	120.00	-330.16	6.35	0.11	54.45	0.17	3.38e-03
30	80	165.00	-327.69	6.32	0.05	52.29	0.19	1.20e-03
30	80	210.00	-325.88	6.28	-0.02	50.46	0.18	-1.71e-03
30	80	253.33	-324.43	6.24	-0.03	48.75	0.17	-3.13e-03
30	80	296.67	-322.51	6.18	-0.08	46.55	0.13	-4.63e-03
30	80	340.00	-308.61	6.11	-0.30	39.32	0.0	-5.90e-03
30	88	0.0	-303.52	12.18	0.16	74.53	0.0	2.88e-03
30	88	40.00	-303.52	12.18	0.16	69.66	0.07	4.52e-03
30	88	80.00	-298.59	12.11	0.12	64.91	0.11	3.19e-03
30	88	120.00	-295.27	12.05	0.10	61.07	0.15	3.17e-03
30	88	165.00	-292.90	11.99	0.04	57.40	0.17	7.55e-04
30	88	210.00	-291.11	11.93	-0.02	54.23	0.16	-2.17e-03
30	88	253.33	-289.63	11.87	-0.03	51.33	0.15	-3.50e-03
30	88	296.67	-287.76	11.80	-0.07	48.00	0.12	-4.91e-03
30	88	340.00	-275.11	11.71	-0.27	39.87	0.0	-6.11e-03
30	98	0.0	-279.26	-1.73	0.15	34.62	0.0	8.66e-04
30	98	40.00	-279.26	-1.73	0.15	35.31	0.06	1.56e-03
30	98	80.00	-274.61	-1.74	0.10	34.76	0.10	1.86e-03
30	98	120.00	-271.47	-1.74	0.09	34.54	0.14	2.70e-03
30	98	165.00	-269.20	-1.75	0.04	34.64	0.15	1.31e-03
30	98	210.00	-267.48	-1.75	-0.02	34.81	0.15	-8.15e-04
30	98	253.33	-266.05	-1.76	-0.02	34.92	0.14	-1.95e-03
30	98	296.67	-264.26	-1.78	-0.07	34.61	0.11	-3.21e-03
30	98	340.00	-252.69	-1.81	-0.25	30.25	0.0	-4.31e-03
30	102	0.0	-184.27	-4.14	0.10	18.88	0.0	4.24e-04
30	102	40.00	-184.27	-4.14	0.10	20.54	0.04	8.32e-04
30	102	80.00	-180.75	-4.12	0.07	20.94	0.06	1.21e-03
30	102	120.00	-178.23	-4.11	0.05	21.48	0.09	1.86e-03
30	102	165.00	-176.28	-4.09	0.02	22.32	0.10	1.03e-03
30	102	210.00	-174.65	-4.07	-0.01	23.14	0.09	-3.33e-04
30	102	253.33	-173.24	-4.06	-0.01	23.86	0.09	-1.12e-03
30	102	296.67	-171.60	-4.05	-0.04	24.31	0.07	-2.04e-03
30	102	340.00	-163.63	-4.06	-0.16	21.89	0.0	-2.91e-03
30	103	0.0	-263.88	-4.45	0.14	25.86	0.0	4.83e-04
30	103	40.00	-263.88	-4.45	0.14	27.64	0.06	9.95e-04
30	103	80.00	-259.42	-4.43	0.10	27.93	0.10	1.58e-03
30	103	120.00	-256.38	-4.42	0.08	28.42	0.13	2.56e-03
30	103	165.00	-254.17	-4.40	0.03	29.27	0.14	1.41e-03
30	103	210.00	-252.47	-4.39	-0.02	30.10	0.14	-4.87e-04
30	103	253.33	-251.05	-4.38	-0.02	30.79	0.13	-1.56e-03
30	103	296.67	-249.29	-4.37	-0.06	31.09	0.10	-2.76e-03
30	103	340.00	-238.34	-4.38	-0.23	27.60	0.0	-3.82e-03
30	105	0.0	-268.12	1.12	0.14	41.18	0.0	1.26e-03
30	105	40.00	-268.12	1.12	0.14	40.73	0.06	2.11e-03
30	105	80.00	-263.61	1.10	0.10	39.36	0.10	2.05e-03
30	105	120.00	-260.53	1.08	0.08	38.43	0.13	2.65e-03
30	105	165.00	-258.30	1.06	0.04	37.77	0.15	1.12e-03
30	105	210.00	-256.57	1.05	-0.02	37.27	0.14	-1.06e-03
30	105	253.33	-255.14	1.03	-0.02	36.78	0.13	-2.18e-03
30	105	296.67	-253.35	1.00	-0.06	35.90	0.10	-3.40e-03
30	105	340.00	-242.17	0.96	-0.24	31.00	0.0	-4.48e-03
30	106	0.0	-186.38	-1.37	0.10	26.48	0.0	7.97e-04
30	106	40.00	-186.38	-1.37	0.10	27.03	0.04	1.37e-03
30	106	80.00	-182.84	-1.37	0.07	26.60	0.07	1.42e-03
30	106	120.00	-180.30	-1.38	0.06	26.44	0.09	1.89e-03
30	106	165.00	-178.33	-1.38	0.02	26.53	0.10	8.66e-04
30	106	210.00	-176.69	-1.38	-0.01	26.69	0.09	-6.36e-04
30	106	253.33	-175.27	-1.39	-0.01	26.83	0.09	-1.44e-03
30	106	296.67	-173.62	-1.41	-0.04	26.70	0.07	-2.37e-03

30	106	340.00	-165.53	-1.43	-0.16	23.58	0.0	-3.25e-03
30	107	0.0	-265.99	-1.68	0.14	33.46	0.0	8.56e-04
30	107	40.00	-265.99	-1.68	0.14	34.13	0.06	1.53e-03
30	107	80.00	-261.50	-1.68	0.10	33.60	0.10	1.79e-03
30	107	120.00	-258.44	-1.69	0.08	33.38	0.13	2.58e-03
30	107	165.00	-256.22	-1.69	0.03	33.48	0.15	1.24e-03
30	107	210.00	-254.51	-1.70	-0.02	33.65	0.14	-7.90e-04
30	107	253.33	-253.08	-1.71	-0.02	33.76	0.13	-1.88e-03
30	107	296.67	-251.31	-1.73	-0.06	33.48	0.10	-3.09e-03
30	107	340.00	-240.24	-1.76	-0.23	29.29	0.0	-4.15e-03
30	108	0.0	-61.94	-144.23	-0.29	-137.22	-0.09	-0.10
30	108	40.00	-61.94	-144.23	-0.29	-136.55	-0.03	-0.09
30	108	80.00	-69.88	-144.08	0.09	-127.34	-0.09	-0.10
30	108	120.00	-79.69	-144.02	1.18	-116.88	0.14	-0.02
30	108	165.00	-91.82	-143.93	1.38	-104.47	0.74	-3.00e-03
30	108	210.00	-104.60	-143.79	1.17	-92.53	1.27	-0.01
30	108	253.33	-115.00	-143.57	-0.70	-82.22	1.36	-0.05
30	108	296.67	-118.31	-143.35	-1.33	-66.02	0.88	-0.04
30	108	340.00	-138.81	-143.07	-1.41	-9.03	0.25	-0.04
30	111	0.0	-470.04	140.87	0.58	204.13	0.09	0.10
30	111	40.00	-470.04	140.87	0.58	204.81	0.15	0.10
30	111	80.00	-453.13	140.71	0.11	194.53	0.29	0.11
30	111	120.00	-437.20	140.64	-1.01	183.64	0.12	0.03
30	111	165.00	-420.62	140.54	-1.31	171.43	-0.45	5.48e-03
30	111	210.00	-404.42	140.39	-1.21	159.83	-0.99	9.61e-03
30	111	253.33	-391.16	140.16	0.65	149.74	-1.11	0.05
30	111	296.67	-384.30	139.90	1.21	132.98	-0.68	0.04
30	111	340.00	-341.67	139.56	0.94	67.62	-0.25	0.03
30	123	0.0	-444.34	148.49	0.44	218.22	0.06	0.13
30	123	40.00	-444.34	148.49	0.44	218.89	0.11	0.14
30	123	80.00	-429.67	148.28	0.01	207.53	0.14	0.13
30	123	120.00	-416.48	148.15	-0.55	196.37	0.07	0.08
30	123	165.00	-403.35	148.02	-0.72	184.93	-0.32	0.04
30	123	210.00	-390.51	147.83	-0.84	174.02	-0.67	0.04
30	123	253.33	-379.51	147.59	0.43	163.98	-0.69	0.08
30	123	296.67	-375.21	147.33	0.79	144.72	-0.40	0.06
30	123	340.00	-357.21	146.94	0.53	116.10	-0.16	0.07
30	136	0.0	-148.04	-163.80	-0.28	-297.21	-0.08	-0.08
30	136	40.00	-148.04	-163.80	-0.28	-296.54	-0.03	-0.08
30	136	80.00	-144.10	-163.53	0.18	-271.42	0.12	-0.07
30	136	120.00	-141.17	-163.34	-0.14	-247.38	-0.01	-0.07
30	136	165.00	-138.63	-163.13	-0.28	-223.09	0.19	-0.05
30	136	210.00	-136.32	-162.87	0.27	-198.69	0.28	-0.04
30	136	253.33	-134.27	-162.56	-0.07	-175.98	0.11	-0.03
30	136	296.67	-129.24	-162.24	-4.31e-03	-150.72	2.97e-03	-0.02
30	136	340.00	-124.43	-161.80	-0.08	-123.89	-0.03	-0.02
30	140	0.0	-36.22	-162.19	-0.35	-158.84	-0.10	-0.11
30	140	40.00	-36.22	-162.19	-0.35	-158.17	-0.05	-0.10
30	140	80.00	-45.72	-162.03	0.08	-147.71	-0.12	-0.12
30	140	120.00	-57.16	-161.95	1.31	-135.89	0.14	-0.03
30	140	165.00	-71.10	-161.86	1.55	-121.92	0.81	-3.67e-03
30	140	210.00	-85.71	-161.69	1.32	-108.47	1.41	-0.01
30	140	253.33	-97.62	-161.45	-0.78	-96.85	1.52	-0.06
30	140	296.67	-101.58	-161.20	-1.49	-78.54	0.98	-0.05
30	140	340.00	-126.03	-160.88	-1.55	-13.89	0.28	-0.05
30	143	0.0	-495.76	158.84	0.64	225.75	0.10	0.11
30	143	40.00	-495.76	158.84	0.64	226.42	0.16	0.11
30	143	80.00	-477.28	158.66	0.12	214.90	0.31	0.12
30	143	120.00	-459.73	158.57	-1.15	202.65	0.12	0.03
30	143	165.00	-441.34	158.47	-1.48	188.88	-0.52	6.16e-03
30	143	210.00	-423.30	158.30	-1.36	175.77	-1.13	0.01
30	143	253.33	-408.54	158.04	0.74	164.37	-1.26	0.05
30	143	296.67	-401.04	157.74	1.36	145.50	-0.78	0.04
30	143	340.00	-354.45	157.37	1.08	72.48	-0.28	0.04
30	155	0.0	-467.25	167.97	0.48	243.02	0.07	0.14
30	155	40.00	-467.25	167.97	0.48	243.69	0.12	0.15
30	155	80.00	-451.28	167.74	2.40e-03	230.84	0.15	0.14
30	155	120.00	-436.80	167.59	-0.63	218.16	0.06	0.09
30	155	165.00	-422.27	167.44	-0.81	205.11	-0.37	0.05
30	155	210.00	-407.98	167.23	-0.94	192.63	-0.77	0.04
30	155	253.33	-395.73	166.96	0.48	181.13	-0.78	0.09
30	155	296.67	-391.13	166.67	0.89	159.26	-0.46	0.07
30	155	340.00	-372.23	166.23	0.62	127.45	-0.18	0.08
30	168	0.0	-132.91	-184.47	-0.34	-339.34	-0.09	-0.09
30	168	40.00	-132.91	-184.47	-0.34	-338.67	-0.04	-0.09

30	168	80.00	-129.06	-184.17	0.19	-310.28	0.12	-0.08
30	168	120.00	-126.17	-183.95	-0.17	-283.13	-0.03	-0.08
30	168	165.00	-123.61	-183.71	-0.32	-255.74	0.20	-0.06
30	168	210.00	-121.25	-183.42	0.31	-228.22	0.29	-0.05
30	168	253.33	-119.16	-183.07	-0.08	-202.60	0.11	-0.04
30	168	296.67	-113.73	-182.71	4.26e-03	-174.05	-0.01	-0.02
30	168	340.00	-109.73	-182.21	-0.06	-143.26	-0.04	-0.02
30	172	0.0	-39.55	-160.59	-0.36	-162.78	-0.11	-0.11
30	172	40.00	-39.55	-160.59	-0.36	-162.11	-0.05	-0.10
30	172	80.00	-48.75	-160.42	0.07	-151.12	-0.12	-0.12
30	172	120.00	-59.88	-160.34	1.25	-138.74	0.12	-0.03
30	172	165.00	-73.54	-160.23	1.50	-124.11	0.77	-8.02e-03
30	172	210.00	-87.96	-160.07	1.28	-109.82	1.35	-0.02
30	172	253.33	-99.73	-159.83	-0.76	-97.29	1.46	-0.06
30	172	296.67	-103.63	-159.59	-1.43	-78.31	0.94	-0.05
30	172	340.00	-127.13	-159.27	-1.49	-15.47	0.27	-0.05
30	175	0.0	-492.43	157.24	0.65	229.69	0.11	0.11
30	175	40.00	-492.43	157.24	0.65	230.36	0.16	0.11
30	175	80.00	-474.25	157.06	0.12	218.31	0.32	0.12
30	175	120.00	-457.01	156.96	-1.09	205.50	0.14	0.03
30	175	165.00	-438.90	156.85	-1.43	191.07	-0.48	0.01
30	175	210.00	-421.06	156.67	-1.32	177.13	-1.08	0.01
30	175	253.33	-406.43	156.42	0.71	164.81	-1.20	0.05
30	175	296.67	-398.99	156.14	1.30	145.27	-0.74	0.04
30	175	340.00	-353.35	155.76	1.02	74.06	-0.27	0.04
30	187	0.0	-468.36	171.15	0.49	255.02	0.07	0.15
30	187	40.00	-468.36	171.15	0.49	255.69	0.12	0.16
30	187	80.00	-452.41	170.91	0.01	241.77	0.16	0.15
30	187	120.00	-437.96	170.75	-0.57	227.94	0.08	0.09
30	187	165.00	-423.42	170.58	-0.76	213.58	-0.33	0.06
30	187	210.00	-408.99	170.37	-0.90	199.63	-0.71	0.05
30	187	253.33	-396.61	170.10	0.46	186.62	-0.73	0.09
30	187	296.67	-392.24	169.82	0.84	162.94	-0.42	0.07
30	187	340.00	-373.14	169.37	0.56	130.40	-0.17	0.08
30	200	0.0	-132.12	-185.19	-0.32	-341.13	-0.09	-0.09
30	200	40.00	-132.12	-185.19	-0.32	-340.46	-0.03	-0.09
30	200	80.00	-128.38	-184.88	0.19	-311.86	0.12	-0.08
30	200	120.00	-125.61	-184.66	-0.17	-284.47	-0.03	-0.08
30	200	165.00	-123.19	-184.42	-0.32	-256.76	0.19	-0.06
30	200	210.00	-121.03	-184.13	0.29	-228.85	0.28	-0.05
30	200	253.33	-119.10	-183.78	-0.08	-202.82	0.10	-0.04
30	200	296.67	-113.76	-183.43	9.54e-03	-173.82	-0.01	-0.02
30	200	340.00	-109.82	-182.92	-0.06	-142.91	-0.04	-0.02
30	204	0.0	-1.97	-187.50	-0.43	-199.28	-0.12	-0.13
30	204	40.00	-1.97	-187.50	-0.43	-198.61	-0.06	-0.12
30	204	80.00	-13.39	-187.30	0.07	-185.31	-0.15	-0.14
30	204	120.00	-26.83	-187.19	1.43	-170.42	0.13	-0.04
30	204	165.00	-43.09	-187.06	1.72	-152.89	0.87	-0.01
30	204	210.00	-60.21	-186.87	1.48	-135.67	1.55	-0.02
30	204	253.33	-74.18	-186.59	-0.87	-120.45	1.67	-0.07
30	204	296.67	-79.00	-186.31	-1.65	-97.72	1.07	-0.06
30	204	340.00	-108.09	-185.92	-1.68	-24.05	0.31	-0.06
30	207	0.0	-530.01	184.15	0.72	266.19	0.12	0.13
30	207	40.00	-530.01	184.15	0.72	266.86	0.18	0.13
30	207	80.00	-509.61	183.93	0.12	252.50	0.35	0.14
30	207	120.00	-490.06	183.81	-1.27	237.18	0.13	0.04
30	207	165.00	-469.35	183.68	-1.65	219.84	-0.58	0.01
30	207	210.00	-448.81	183.47	-1.52	202.97	-1.27	0.02
30	207	253.33	-431.98	183.18	0.83	187.97	-1.41	0.06
30	207	296.67	-423.61	182.86	1.52	164.68	-0.87	0.05
30	207	340.00	-372.39	182.41	1.21	82.64	-0.31	0.05
30	219	0.0	-507.43	205.19	0.54	301.49	0.08	0.17
30	219	40.00	-507.43	205.19	0.54	302.16	0.13	0.19
30	219	80.00	-489.25	204.90	-4.87e-03	285.31	0.17	0.18
30	219	120.00	-472.60	204.71	-0.68	268.47	0.07	0.11
30	219	165.00	-455.63	204.51	-0.90	250.85	-0.41	0.07
30	219	210.00	-438.65	204.25	-1.05	233.62	-0.85	0.06
30	219	253.33	-424.09	203.94	0.54	217.52	-0.87	0.10
30	219	296.67	-419.33	203.61	1.00	188.55	-0.51	0.09
30	219	340.00	-398.62	203.08	0.69	150.39	-0.20	0.09
30	232	0.0	-107.29	-218.05	-0.39	-407.13	-0.11	-0.11
30	232	40.00	-107.29	-218.05	-0.39	-406.46	-0.05	-0.11
30	232	80.00	-103.83	-217.69	0.20	-372.72	0.12	-0.10
30	232	120.00	-101.28	-217.42	-0.21	-340.41	-0.05	-0.09
30	232	165.00	-99.03	-217.14	-0.37	-307.74	0.20	-0.07

30	232	210.00	-97.01	-216.79	0.34	-274.83	0.31	-0.06
30	232	253.33	-95.18	-216.38	-0.09	-244.11	0.10	-0.04
30	232	296.67	-89.27	-215.97	0.02	-209.70	-0.03	-0.02
30	232	340.00	-86.65	-215.37	-0.03	-172.62	-0.04	-0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-530.01	-218.05	-1.68	-407.13	-1.41	-0.14
	-1.97	205.19	1.72	302.16	1.67	0.19

Macro	Tipo	Angolo 1-Z (gradi)
31	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
31	4	0.0	-51.87	4.95	7.45e-03	28.13	0.0	-1.99e-03
31	4	40.00	-51.87	4.95	7.45e-03	30.11	2.98e-03	-3.13e-03
31	4	80.00	-52.83	5.00	0.02	34.57	0.01	-2.87e-03
31	4	120.00	-52.53	5.04	0.02	37.51	0.02	-1.89e-03
31	4	165.00	-51.36	5.08	0.01	39.70	0.02	-2.99e-04
31	4	210.00	-49.55	5.11	5.23e-03	41.19	0.03	1.72e-03
31	4	253.33	-46.94	6.64	-8.11e-03	43.59	0.02	4.04e-03
31	4	296.67	-44.58	8.22	-0.03	46.75	0.01	5.77e-03
31	4	340.00	-6.49	9.54	-0.02	6.09	-1.88e-04	4.63e-03
31	19	0.0	-27.12	2.21	-0.01	13.37	0.0	1.45e-03
31	19	40.00	-27.12	2.21	-0.01	14.26	-5.12e-03	1.84e-03
31	19	80.00	-26.54	2.24	2.19e-03	15.42	-4.24e-03	7.81e-04
31	19	120.00	-25.36	2.26	7.96e-03	15.85	-1.06e-03	4.41e-04
31	19	165.00	-23.70	2.28	9.22e-03	15.86	3.09e-03	5.12e-04
31	19	210.00	-21.68	2.29	6.62e-03	15.49	6.07e-03	9.63e-04
31	19	253.33	-19.14	2.93	1.79e-03	15.73	6.85e-03	1.74e-03
31	19	296.67	-16.76	3.46	-7.02e-03	16.14	3.80e-03	2.37e-03
31	19	340.00	-2.49	3.89	-8.39e-03	1.94	-8.47e-06	1.94e-03
31	44	0.0	-35.77	3.14	0.05	15.47	0.0	-7.62e-03
31	44	40.00	-35.77	3.14	0.05	16.73	0.02	-0.01
31	44	80.00	-37.45	3.17	0.03	21.36	0.03	-7.87e-03
31	44	120.00	-38.34	3.20	0.02	25.02	0.04	-5.11e-03
31	44	165.00	-38.72	3.23	7.81e-03	28.31	0.04	-2.05e-03
31	44	210.00	-38.76	3.25	-1.87e-03	31.26	0.04	1.02e-03
31	44	253.33	-38.12	4.46	-0.01	35.09	0.04	4.03e-03
31	44	296.67	-37.73	5.76	-0.04	39.54	0.02	6.34e-03
31	44	340.00	-5.82	6.92	-0.04	5.36	6.70e-05	5.82e-03
31	68	0.0	-36.79	3.43	6.02e-03	19.43	0.0	-1.54e-03
31	68	40.00	-36.79	3.43	6.02e-03	20.81	2.41e-03	-2.41e-03
31	68	80.00	-37.40	3.47	0.01	23.94	8.11e-03	-2.16e-03
31	68	120.00	-37.14	3.50	0.01	26.01	0.01	-1.43e-03
31	68	165.00	-36.27	3.53	9.84e-03	27.56	0.02	-2.71e-04
31	68	210.00	-34.94	3.55	3.75e-03	28.62	0.02	1.19e-03
31	68	253.33	-33.02	4.63	-5.64e-03	30.36	0.02	2.86e-03
31	68	296.67	-31.30	5.72	-0.02	32.62	8.20e-03	4.13e-03
31	68	340.00	-4.59	6.64	-0.02	4.24	-1.12e-04	3.36e-03
31	72	0.0	-25.85	2.09	-4.74e-03	12.17	0.0	2.23e-04
31	72	40.00	-25.85	2.09	-4.74e-03	13.01	-1.90e-03	1.19e-04
31	72	80.00	-25.53	2.12	5.73e-03	14.45	3.94e-04	-3.46e-04
31	72	120.00	-24.66	2.13	8.53e-03	15.21	3.80e-03	-2.91e-04
31	72	165.00	-23.35	2.15	8.28e-03	15.60	7.53e-03	1.23e-04
31	72	210.00	-21.72	2.16	5.16e-03	15.65	9.85e-03	8.41e-04
31	72	253.33	-19.57	2.81	-1.03e-04	16.31	9.81e-03	1.82e-03
31	72	296.67	-17.58	3.37	-9.78e-03	17.16	5.57e-03	2.60e-03
31	72	340.00	-2.66	3.83	-0.01	2.12	1.35e-05	2.24e-03
31	88	0.0	-26.05	2.23	0.03	10.99	0.0	-5.29e-03
31	88	40.00	-26.05	2.23	0.03	11.89	0.01	-7.62e-03
31	88	80.00	-27.15	2.25	0.02	15.13	0.02	-5.49e-03
31	88	120.00	-27.68	2.27	0.01	17.68	0.03	-3.58e-03
31	88	165.00	-27.84	2.29	5.82e-03	19.96	0.03	-1.44e-03
31	88	210.00	-27.75	2.31	-9.79e-04	22.00	0.03	7.25e-04
31	88	253.33	-27.15	3.17	-9.88e-03	24.69	0.03	2.85e-03
31	88	296.67	-26.73	4.08	-0.03	27.81	0.01	4.51e-03
31	88	340.00	-4.14	4.90	-0.03	3.76	5.86e-05	4.16e-03
31	98	0.0	-29.47	2.58	0.01	14.01	0.0	-2.59e-03
31	98	40.00	-29.47	2.58	0.01	15.04	5.33e-03	-3.85e-03
31	98	80.00	-30.06	2.61	0.02	17.81	0.01	-3.03e-03
31	98	120.00	-30.00	2.63	0.01	19.77	0.02	-2.01e-03
31	98	165.00	-29.46	2.65	7.47e-03	21.35	0.02	-6.88e-04
31	98	210.00	-28.59	2.67	2.03e-03	22.58	0.02	8.13e-04

31	98	253.33	-27.19	3.55	-6.00e-03	24.47	0.02	2.43e-03
31	98	296.67	-25.96	4.43	-0.02	26.75	9.45e-03	3.69e-03
31	98	340.00	-3.92	5.20	-0.02	3.51	-2.44e-05	3.21e-03
31	102	0.0	-22.26	1.70	7.34e-03	9.18	0.0	-1.60e-03
31	102	40.00	-22.26	1.70	7.34e-03	9.87	2.94e-03	-2.42e-03
31	102	80.00	-22.29	1.72	0.01	11.58	7.12e-03	-1.98e-03
31	102	120.00	-21.86	1.74	8.74e-03	12.73	0.01	-1.36e-03
31	102	165.00	-21.09	1.75	6.36e-03	13.60	0.01	-4.72e-04
31	102	210.00	-20.07	1.76	2.77e-03	14.23	0.01	5.84e-04
31	102	253.33	-18.55	2.36	-2.65e-03	15.46	0.01	1.78e-03
31	102	296.67	-17.20	2.91	-0.01	16.89	7.98e-03	2.75e-03
31	102	340.00	-2.70	3.38	-0.02	2.17	5.94e-05	2.53e-03
31	105	0.0	-27.39	2.35	0.02	12.45	0.0	-3.04e-03
31	105	40.00	-27.39	2.35	0.02	13.39	6.56e-03	-4.47e-03
31	105	80.00	-28.01	2.37	0.02	16.08	0.01	-3.41e-03
31	105	120.00	-28.02	2.39	0.01	18.04	0.02	-2.26e-03
31	105	165.00	-27.61	2.41	6.86e-03	19.66	0.02	-8.28e-04
31	105	210.00	-26.89	2.42	1.45e-03	20.97	0.02	7.42e-04
31	105	253.33	-25.65	3.25	-6.31e-03	22.93	0.02	2.40e-03
31	105	296.67	-24.59	4.08	-0.02	25.26	0.01	3.69e-03
31	105	340.00	-3.76	4.81	-0.02	3.33	8.20e-06	3.29e-03
31	106	0.0	-21.36	1.61	0.01	8.44	0.0	-2.05e-03
31	106	40.00	-21.36	1.61	0.01	9.08	4.14e-03	-3.05e-03
31	106	80.00	-21.48	1.62	0.01	10.86	8.80e-03	-2.39e-03
31	106	120.00	-21.16	1.64	8.79e-03	12.10	0.01	-1.62e-03
31	106	165.00	-20.53	1.65	5.88e-03	13.10	0.01	-6.21e-04
31	106	210.00	-19.65	1.66	2.18e-03	13.87	0.02	5.19e-04
31	106	253.33	-18.30	2.25	-3.28e-03	15.25	0.01	1.77e-03
31	106	296.67	-17.10	2.79	-0.01	16.82	8.58e-03	2.78e-03
31	106	340.00	-2.71	3.27	-0.02	2.18	7.09e-05	2.61e-03
31	107	0.0	-28.31	2.44	0.01	13.21	0.0	-2.52e-03
31	107	40.00	-28.31	2.44	0.01	14.19	5.16e-03	-3.73e-03
31	107	80.00	-28.84	2.47	0.01	16.82	0.01	-2.94e-03
31	107	120.00	-28.73	2.49	0.01	18.67	0.02	-1.96e-03
31	107	165.00	-28.19	2.51	7.24e-03	20.17	0.02	-6.78e-04
31	107	210.00	-27.32	2.53	2.05e-03	21.33	0.02	7.71e-04
31	107	253.33	-25.92	3.37	-5.61e-03	23.15	0.02	2.34e-03
31	107	296.67	-24.69	4.20	-0.02	25.33	9.33e-03	3.56e-03
31	107	340.00	-3.75	4.92	-0.02	3.32	-1.08e-05	3.13e-03
31	108	0.0	-59.71	73.24	0.07	-67.08	3.76e-03	-0.02
31	108	40.00	-59.71	73.24	0.07	-66.10	8.92e-03	-0.02
31	108	80.00	-42.94	73.22	0.03	-37.19	0.03	-0.03
31	108	120.00	-38.05	73.19	0.06	-22.34	0.07	-0.04
31	108	165.00	-31.38	66.87	0.06	-6.42	0.11	-0.05
31	108	210.00	-23.07	64.37	8.81e-03	12.47	0.14	-0.06
31	108	253.33	-19.69	48.21	-0.16	19.38	0.21	-0.08
31	108	296.67	-15.47	48.01	-0.21	16.37	0.11	-0.09
31	108	340.00	-3.06	51.45	-0.08	2.34	6.79e-03	-0.09
31	115	0.0	10.92	-67.37	-0.07	85.74	-0.01	0.01
31	115	40.00	10.92	-67.37	-0.07	86.72	-4.91e-03	0.01
31	115	80.00	-8.22	-67.33	-0.03	64.04	-0.03	0.02
31	115	120.00	-14.05	-67.34	-0.06	54.00	-0.07	0.03
31	115	165.00	-20.71	-58.45	-0.07	42.36	-0.11	0.04
31	115	210.00	-31.50	-58.11	-9.78e-03	24.96	-0.14	0.07
31	115	253.33	-28.51	-40.46	0.17	26.86	-0.22	0.09
31	115	296.67	-32.97	-36.54	0.20	33.49	-0.13	0.10
31	115	340.00	-4.17	-38.03	0.10	4.00	-0.02	0.10
31	132	0.0	-112.59	44.36	0.30	28.09	0.06	0.03
31	132	40.00	-112.59	44.36	0.30	29.07	0.06	0.03
31	132	80.00	-69.44	44.54	0.30	63.40	0.19	0.02
31	132	120.00	-67.94	44.86	0.24	52.86	0.30	0.01
31	132	165.00	-62.74	15.69	0.21	43.49	0.38	3.93e-03
31	132	210.00	-40.81	14.63	0.05	47.52	0.43	-0.04
31	132	253.33	-37.97	13.60	-0.25	33.43	0.42	-0.06
31	132	296.67	-26.18	13.39	-0.34	24.90	0.29	-0.07
31	132	340.00	-5.84	20.96	-0.52	5.08	0.10	-0.07
31	135	0.0	55.98	-39.47	-0.28	-1.66	-0.06	-0.04
31	135	40.00	55.98	-39.47	-0.28	-0.69	-0.05	-0.04
31	135	80.00	11.77	-39.60	-0.27	-29.76	-0.17	-0.03
31	135	120.00	10.47	-39.87	-0.22	-15.51	-0.27	-0.02
31	135	165.00	6.37	-10.67	-0.20	-3.15	-0.35	-5.28e-03
31	135	210.00	-13.82	-9.58	-0.04	-4.86	-0.39	0.05
31	135	253.33	-13.86	-6.87	0.24	12.87	-0.39	0.07
31	135	296.67	-23.21	-4.99	0.31	25.76	-0.27	0.08
31	135	340.00	-1.66	-11.11	0.48	1.57	-0.10	0.08

31	140	0.0	-63.72	82.20	0.07	-77.19	4.13e-03	-0.02
31	140	40.00	-63.72	82.20	0.07	-76.22	9.29e-03	-0.02
31	140	80.00	-44.76	82.17	0.03	-44.00	0.04	-0.03
31	140	120.00	-39.25	82.13	0.06	-27.50	0.08	-0.04
31	140	165.00	-31.80	75.02	0.07	-9.77	0.12	-0.05
31	140	210.00	-22.55	72.20	9.81e-03	11.36	0.15	-0.07
31	140	253.33	-18.92	53.89	-0.18	18.91	0.23	-0.09
31	140	296.67	-14.31	53.55	-0.23	15.25	0.13	-0.10
31	140	340.00	-2.98	57.34	-0.08	2.21	7.59e-03	-0.10
31	147	0.0	15.94	-76.21	-0.08	94.86	-0.01	0.01
31	147	40.00	15.94	-76.21	-0.08	95.83	-6.03e-03	0.01
31	147	80.00	-5.56	-76.17	-0.04	69.97	-0.04	0.02
31	147	120.00	-12.15	-76.18	-0.07	58.44	-0.08	0.04
31	147	165.00	-19.74	-66.17	-0.08	45.14	-0.13	0.05
31	147	210.00	-32.00	-65.79	-0.01	25.40	-0.16	0.08
31	147	253.33	-28.82	-46.02	0.19	27.31	-0.25	0.10
31	147	296.67	-34.01	-41.71	0.22	34.52	-0.15	0.11
31	147	340.00	-4.22	-43.47	0.11	4.08	-0.02	0.11
31	164	0.0	-123.19	49.67	0.34	29.93	0.07	0.04
31	164	40.00	-123.19	49.67	0.34	30.91	0.07	0.04
31	164	80.00	-74.54	49.87	0.33	69.23	0.21	0.03
31	164	120.00	-72.87	50.22	0.27	57.14	0.34	0.01
31	164	165.00	-67.08	17.38	0.24	46.40	0.43	4.53e-03
31	164	210.00	-42.50	16.19	0.05	50.81	0.48	-0.05
31	164	253.33	-39.48	14.93	-0.29	34.71	0.47	-0.07
31	164	296.67	-26.36	14.58	-0.38	24.84	0.32	-0.08
31	164	340.00	-6.10	23.01	-0.58	5.30	0.12	-0.08
31	167	0.0	66.57	-44.78	-0.31	-3.51	-0.07	-0.04
31	167	40.00	66.57	-44.78	-0.31	-2.53	-0.06	-0.04
31	167	80.00	16.87	-44.92	-0.30	-35.60	-0.19	-0.03
31	167	120.00	15.40	-45.24	-0.25	-19.79	-0.30	-0.02
31	167	165.00	10.71	-12.36	-0.22	-6.07	-0.39	-5.89e-03
31	167	210.00	-12.13	-11.14	-0.05	-8.14	-0.44	0.05
31	167	253.33	-12.35	-8.20	0.27	11.59	-0.44	0.07
31	167	296.67	-23.03	-6.18	0.35	25.82	-0.31	0.09
31	167	340.00	-1.40	-13.16	0.54	1.35	-0.12	0.09
31	172	0.0	-65.45	81.61	0.07	-74.30	3.69e-03	-0.02
31	172	40.00	-65.45	81.61	0.07	-73.32	8.85e-03	-0.02
31	172	80.00	-46.39	81.58	0.03	-41.69	0.04	-0.03
31	172	120.00	-40.64	81.52	0.06	-25.63	0.08	-0.04
31	172	165.00	-32.92	74.48	0.07	-8.36	0.12	-0.05
31	172	210.00	-23.42	71.69	0.01	12.24	0.15	-0.07
31	172	253.33	-19.47	53.56	-0.17	19.36	0.23	-0.09
31	172	296.67	-14.52	53.23	-0.22	15.41	0.12	-0.10
31	172	340.00	-3.07	56.98	-0.09	2.30	7.96e-03	-0.10
31	187	0.0	12.38	-63.80	0.03	77.44	-9.16e-03	0.02
31	187	40.00	12.38	-63.80	0.03	78.42	-4.00e-03	0.02
31	187	80.00	-7.72	-63.79	-0.04	56.06	-0.03	0.03
31	187	120.00	-12.98	-63.83	-0.08	47.92	-0.07	0.04
31	187	165.00	-17.87	-53.95	-0.09	37.93	-0.11	0.05
31	187	210.00	-29.60	-53.59	-0.02	22.37	-0.15	0.08
31	187	253.33	-26.92	-37.76	0.11	25.19	-0.22	0.10
31	187	296.67	-33.92	-34.18	0.20	34.37	-0.14	0.11
31	187	340.00	-3.54	-35.83	0.13	3.59	-0.02	0.11
31	196	0.0	-122.93	49.39	0.32	30.42	0.06	0.04
31	196	40.00	-122.93	49.39	0.32	31.40	0.07	0.03
31	196	80.00	-74.69	49.59	0.32	69.27	0.20	0.03
31	196	120.00	-72.95	49.95	0.26	57.21	0.32	0.01
31	196	165.00	-67.09	17.45	0.23	46.49	0.41	4.44e-03
31	196	210.00	-42.61	16.29	0.05	50.78	0.46	-0.05
31	196	253.33	-39.49	15.03	-0.27	34.71	0.46	-0.07
31	196	296.67	-26.37	14.69	-0.37	24.84	0.31	-0.08
31	196	340.00	-6.10	23.04	-0.56	5.30	0.11	-0.08
31	199	0.0	66.31	-44.50	-0.29	-4.00	-0.06	-0.04
31	199	40.00	66.31	-44.50	-0.29	-3.02	-0.06	-0.04
31	199	80.00	17.02	-44.65	-0.29	-35.63	-0.18	-0.03
31	199	120.00	15.48	-44.96	-0.24	-19.86	-0.29	-0.02
31	199	165.00	10.72	-12.43	-0.22	-6.15	-0.37	-5.80e-03
31	199	210.00	-12.02	-11.24	-0.05	-8.11	-0.42	0.05
31	199	253.33	-12.34	-8.30	0.26	11.60	-0.42	0.07
31	199	296.67	-23.01	-6.29	0.33	25.81	-0.30	0.09
31	199	340.00	-1.40	-13.19	0.53	1.35	-0.11	0.09
31	204	0.0	-73.00	95.18	0.08	-87.99	4.37e-03	-0.02
31	204	40.00	-73.00	95.18	0.08	-87.01	9.53e-03	-0.02
31	204	80.00	-50.46	95.13	0.03	-50.63	0.04	-0.03

31	204	120.00	-43.56	95.05	0.07	-32.31	0.09	-0.05
31	204	165.00	-34.43	86.82	0.08	-12.54	0.13	-0.06
31	204	210.00	-23.26	83.55	0.01	11.17	0.17	-0.08
31	204	253.33	-18.66	62.19	-0.20	18.96	0.26	-0.10
31	204	296.67	-12.83	61.66	-0.26	13.76	0.14	-0.11
31	204	340.00	-3.01	65.92	-0.10	2.17	9.70e-03	-0.12
31	219	0.0	21.24	-76.87	0.03	89.01	-0.01	0.02
31	219	40.00	21.24	-76.87	0.03	89.99	-5.26e-03	0.02
31	219	80.00	-2.53	-76.86	-0.05	63.16	-0.04	0.04
31	219	120.00	-9.08	-76.90	-0.09	53.09	-0.09	0.05
31	219	165.00	-15.28	-65.36	-0.11	40.90	-0.14	0.07
31	219	210.00	-29.54	-64.93	-0.03	22.23	-0.18	0.10
31	219	253.33	-26.85	-46.10	0.13	25.35	-0.27	0.12
31	219	296.67	-35.79	-41.99	0.24	36.20	-0.16	0.13
31	219	340.00	-3.44	-44.03	0.16	3.60	-0.03	0.14
31	228	0.0	-139.08	57.48	0.37	33.45	0.07	0.04
31	228	40.00	-139.08	57.48	0.37	34.43	0.08	0.04
31	228	80.00	-82.60	57.72	0.37	78.21	0.23	0.03
31	228	120.00	-80.56	58.13	0.30	63.78	0.37	0.01
31	228	165.00	-73.77	20.17	0.27	51.00	0.48	5.46e-03
31	228	210.00	-45.25	18.83	0.06	55.81	0.54	-0.06
31	228	253.33	-41.80	17.19	-0.32	36.67	0.53	-0.08
31	228	296.67	-26.61	16.63	-0.43	24.70	0.36	-0.09
31	228	340.00	-6.51	26.26	-0.65	5.64	0.13	-0.10
31	231	0.0	82.46	-52.59	-0.34	-7.03	-0.07	-0.05
31	231	40.00	82.46	-52.59	-0.34	-6.05	-0.07	-0.05
31	231	80.00	24.93	-52.77	-0.34	-44.58	-0.21	-0.04
31	231	120.00	23.09	-53.14	-0.28	-26.44	-0.34	-0.02
31	231	165.00	17.39	-15.15	-0.25	-10.66	-0.44	-6.82e-03
31	231	210.00	-9.38	-13.78	-0.06	-13.14	-0.50	0.06
31	231	253.33	-10.03	-10.46	0.31	9.64	-0.49	0.09
31	231	296.67	-22.78	-8.23	0.39	25.95	-0.35	0.10
31	231	340.00	-0.99	-16.42	0.62	1.01	-0.13	0.10

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-139.08	-76.90	-0.65	-87.99	-0.50	-0.12
	82.46	95.18	0.62	95.83	0.54	0.14

Macro	Tipo	Angolo 1-Z (gradi)
32	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
32	4	0.0	-189.23	1.03	0.21	-26.25	0.0	1.40e-03
32	4	40.00	-189.23	1.03	0.21	-25.84	0.08	2.26e-03
32	4	80.00	-176.20	1.03	0.21	-23.96	0.17	1.89e-03
32	4	120.00	-165.32	1.03	0.16	-22.37	0.23	1.69e-03
32	4	165.00	-155.19	1.03	0.09	-20.86	0.27	1.45e-03
32	4	210.00	-145.50	1.03	-7.52e-03	-19.43	0.27	1.20e-03
32	4	253.33	-136.01	0.25	-0.13	-18.66	0.21	9.72e-04
32	4	296.67	-128.86	-0.49	-0.25	-17.97	0.10	8.58e-04
32	4	340.00	-106.54	-0.93	-0.23	-15.05	0.0	5.63e-04
32	18	0.0	-172.14	0.90	0.24	-23.49	0.0	1.93e-03
32	18	40.00	-172.14	0.90	0.24	-23.14	0.10	3.12e-03
32	18	80.00	-159.47	0.90	0.24	-21.35	0.19	2.65e-03
32	18	120.00	-148.73	0.90	0.18	-19.84	0.26	2.42e-03
32	18	165.00	-138.61	0.90	0.10	-18.39	0.31	2.16e-03
32	18	210.00	-128.86	0.90	-0.01	-17.02	0.30	1.89e-03
32	18	253.33	-119.22	0.21	-0.14	-16.22	0.24	1.67e-03
32	18	296.67	-111.70	-0.44	-0.28	-15.49	0.12	1.54e-03
32	18	340.00	-91.28	-0.81	-0.27	-12.86	0.0	1.06e-03
32	19	0.0	-82.10	0.36	0.17	-10.07	0.0	1.67e-03
32	19	40.00	-82.10	0.36	0.17	-9.93	0.07	2.71e-03
32	19	80.00	-74.86	0.35	0.17	-9.04	0.14	2.31e-03
32	19	120.00	-68.45	0.35	0.13	-8.27	0.19	2.15e-03
32	19	165.00	-62.23	0.35	0.07	-7.53	0.22	1.96e-03
32	19	210.00	-56.11	0.36	-9.88e-03	-6.81	0.22	1.79e-03
32	19	253.33	-49.75	0.08	-0.10	-6.34	0.18	1.66e-03
32	19	296.67	-44.42	-0.18	-0.19	-5.90	0.09	1.56e-03
32	19	340.00	-34.39	-0.33	-0.21	-4.76	0.0	1.10e-03
32	68	0.0	-133.05	0.72	0.15	-18.22	0.0	9.54e-04
32	68	40.00	-133.05	0.72	0.15	-17.94	0.06	1.54e-03
32	68	80.00	-123.83	0.72	0.14	-16.63	0.12	1.28e-03
32	68	120.00	-116.10	0.72	0.11	-15.53	0.16	1.14e-03

32	68	165.00	-108.89	0.72	0.06	-14.48	0.19	9.70e-04
32	68	210.00	-101.97	0.72	-4.22e-03	-13.49	0.19	7.94e-04
32	68	253.33	-95.12	0.18	-0.09	-12.96	0.15	6.31e-04
32	68	296.67	-89.93	-0.34	-0.18	-12.49	0.07	5.52e-04
32	68	340.00	-74.19	-0.65	-0.17	-10.46	0.0	3.58e-04
32	72	0.0	-81.69	0.37	0.14	-10.05	0.0	1.19e-03
32	72	40.00	-81.69	0.37	0.14	-9.90	0.06	1.93e-03
32	72	80.00	-74.97	0.37	0.14	-9.08	0.11	1.64e-03
32	72	120.00	-69.09	0.37	0.11	-8.38	0.16	1.50e-03
32	72	165.00	-63.42	0.37	0.06	-7.70	0.18	1.34e-03
32	72	210.00	-57.86	0.37	-4.85e-03	-7.06	0.18	1.19e-03
32	72	253.33	-52.04	0.09	-0.08	-6.66	0.15	1.06e-03
32	72	296.67	-47.25	-0.19	-0.16	-6.30	0.08	9.87e-04
32	72	340.00	-37.31	-0.34	-0.18	-5.17	0.0	6.90e-04
32	75	0.0	-121.65	0.63	0.17	-16.38	0.0	1.30e-03
32	75	40.00	-121.65	0.63	0.17	-16.13	0.07	2.11e-03
32	75	80.00	-112.68	0.63	0.16	-14.89	0.13	1.79e-03
32	75	120.00	-105.04	0.63	0.13	-13.84	0.18	1.63e-03
32	75	165.00	-97.84	0.63	0.07	-12.84	0.21	1.44e-03
32	75	210.00	-90.88	0.63	-7.34e-03	-11.88	0.21	1.25e-03
32	75	253.33	-83.93	0.15	-0.10	-11.33	0.17	1.09e-03
32	75	296.67	-78.49	-0.31	-0.19	-10.83	0.08	1.00e-03
32	75	340.00	-64.01	-0.57	-0.19	-9.00	0.0	6.89e-04
32	98	0.0	-107.66	0.58	0.09	-14.26	0.0	3.10e-04
32	98	40.00	-107.66	0.58	0.09	-14.02	0.04	4.89e-04
32	98	80.00	-100.48	0.58	0.09	-13.06	0.07	3.76e-04
32	98	120.00	-94.49	0.58	0.07	-12.25	0.10	2.83e-04
32	98	165.00	-88.89	0.58	0.04	-11.49	0.12	1.61e-04
32	98	210.00	-83.52	0.58	3.12e-03	-10.78	0.12	3.40e-05
32	98	253.33	-78.01	0.15	-0.05	-10.44	0.10	-9.78e-05
32	98	296.67	-73.88	-0.27	-0.11	-10.14	0.05	-1.41e-04
32	98	340.00	-61.08	-0.52	-0.11	-8.57	0.0	-1.37e-04
32	102	0.0	-74.38	0.36	0.09	-8.97	0.0	4.11e-04
32	102	40.00	-74.38	0.36	0.09	-8.83	0.03	6.56e-04
32	102	80.00	-68.88	0.36	0.08	-8.18	0.07	5.29e-04
32	102	120.00	-64.13	0.36	0.06	-7.64	0.09	4.42e-04
32	102	165.00	-59.60	0.36	0.04	-7.13	0.11	3.32e-04
32	102	210.00	-55.16	0.36	3.37e-03	-6.65	0.11	2.20e-04
32	102	253.33	-50.39	0.09	-0.04	-6.40	0.09	1.14e-04
32	102	296.67	-46.58	-0.17	-0.10	-6.18	0.05	7.47e-05
32	102	340.00	-37.54	-0.33	-0.11	-5.20	0.0	2.91e-05
32	103	0.0	-104.47	0.55	0.10	-13.73	0.0	4.92e-04
32	103	40.00	-104.47	0.55	0.10	-13.51	0.04	7.87e-04
32	103	80.00	-97.28	0.55	0.10	-12.55	0.08	6.36e-04
32	103	120.00	-91.22	0.55	0.08	-11.75	0.11	5.33e-04
32	103	165.00	-85.53	0.55	0.04	-10.99	0.13	4.02e-04
32	103	210.00	-80.04	0.55	1.40e-03	-10.28	0.13	2.68e-04
32	103	253.33	-74.42	0.14	-0.06	-9.92	0.11	1.36e-04
32	103	296.67	-70.12	-0.26	-0.13	-9.60	0.05	8.50e-05
32	103	340.00	-57.67	-0.50	-0.12	-8.08	0.0	2.79e-05
32	106	0.0	-72.55	0.36	0.07	-8.70	0.0	2.15e-04
32	106	40.00	-72.55	0.36	0.07	-8.56	0.03	3.37e-04
32	106	80.00	-67.35	0.36	0.07	-7.95	0.06	2.52e-04
32	106	120.00	-62.89	0.36	0.05	-7.46	0.08	1.77e-04
32	106	165.00	-58.64	0.36	0.03	-6.98	0.09	7.94e-05
32	106	210.00	-54.49	0.36	5.43e-03	-6.54	0.09	-2.14e-05
32	106	253.33	-49.97	0.09	-0.03	-6.33	0.08	-1.23e-04
32	106	296.67	-46.41	-0.17	-0.08	-6.16	0.04	-1.53e-04
32	106	340.00	-37.60	-0.33	-0.10	-5.20	0.0	-1.36e-04
32	107	0.0	-102.65	0.55	0.09	-13.46	0.0	2.97e-04
32	107	40.00	-102.65	0.55	0.09	-13.24	0.04	4.68e-04
32	107	80.00	-95.75	0.55	0.09	-12.33	0.07	3.58e-04
32	107	120.00	-89.98	0.55	0.06	-11.57	0.10	2.68e-04
32	107	165.00	-84.57	0.55	0.04	-10.85	0.11	1.50e-04
32	107	210.00	-79.37	0.55	3.45e-03	-10.18	0.12	2.61e-05
32	107	253.33	-74.01	0.14	-0.05	-9.85	0.09	-1.01e-04
32	107	296.67	-69.95	-0.26	-0.11	-9.57	0.05	-1.43e-04
32	107	340.00	-57.73	-0.50	-0.11	-8.09	0.0	-1.37e-04
32	108	0.0	-142.76	170.78	0.08	-328.18	-0.02	-0.13
32	108	40.00	-142.76	170.78	0.08	-327.96	0.02	-0.13
32	108	80.00	-130.09	168.56	0.14	-253.87	0.03	-0.14
32	108	120.00	-118.89	167.80	0.14	-184.60	0.06	-0.13
32	108	165.00	-105.89	166.09	0.10	-104.70	0.10	-0.12
32	108	210.00	-94.45	166.41	0.04	-37.80	0.12	-0.12
32	108	253.33	-83.26	121.67	-0.13	-23.72	0.11	-0.13

32	108	296.67	-74.06	108.33	-0.17	-12.18	0.04	-0.13
32	108	340.00	-57.71	111.96	-0.10	-10.49	-7.03e-03	-0.12
32	118	0.0	-101.61	-105.81	0.35	169.90	0.07	0.14
32	118	40.00	-101.61	-105.81	0.35	170.12	0.10	0.14
32	118	80.00	-94.51	-107.91	0.24	133.97	0.25	0.15
32	118	120.00	-88.48	-108.45	0.17	91.94	0.33	0.14
32	118	165.00	-81.25	-109.81	0.12	53.28	0.39	0.15
32	118	210.00	-76.12	-109.30	8.30e-03	-4.51	0.41	0.15
32	118	253.33	-71.26	-84.91	-0.11	-9.98	0.37	0.14
32	118	296.67	-65.31	-83.38	-0.31	-7.64	0.24	0.14
32	118	340.00	-52.07	-79.72	-0.45	-6.55	0.08	0.13
32	124	0.0	-173.83	102.46	0.53	-225.11	0.08	-0.03
32	124	40.00	-173.83	102.46	0.53	-224.89	0.12	-0.03
32	124	80.00	-156.65	95.27	0.44	-166.06	0.31	-0.03
32	124	120.00	-140.03	93.11	0.36	-123.57	0.45	-0.02
32	124	165.00	-117.92	88.01	0.31	-58.45	0.55	2.82e-03
32	124	210.00	-101.35	89.36	0.12	-46.68	0.59	-0.01
32	124	253.33	-85.96	57.55	-0.29	-33.19	0.58	-0.03
32	124	296.67	-69.03	39.05	-0.50	-10.96	0.35	-0.03
32	124	340.00	-53.88	51.86	-0.64	-10.54	0.11	-0.03
32	127	0.0	-31.46	-101.36	-0.35	198.19	-0.08	0.03
32	127	40.00	-31.46	-101.36	-0.35	198.40	-0.05	0.03
32	127	80.00	-34.85	-94.17	-0.27	141.41	-0.16	0.03
32	127	120.00	-39.92	-92.01	-0.23	100.43	-0.26	0.03
32	127	165.00	-51.21	-86.91	-0.23	36.75	-0.32	-2.52e-03
32	127	210.00	-57.39	-88.26	-0.11	26.33	-0.36	0.01
32	127	253.33	-62.06	-57.27	0.20	13.48	-0.39	0.03
32	127	296.67	-70.88	-39.57	0.28	-8.19	-0.26	0.03
32	127	340.00	-61.58	-52.85	0.43	-5.64	-0.11	0.03
32	140	0.0	-147.80	192.31	0.08	-367.96	-0.02	-0.14
32	140	40.00	-147.80	192.31	0.08	-367.74	0.01	-0.14
32	140	80.00	-134.40	189.80	0.15	-284.40	0.03	-0.15
32	140	120.00	-122.52	188.95	0.15	-206.46	0.06	-0.15
32	140	165.00	-108.57	187.03	0.11	-116.57	0.10	-0.14
32	140	210.00	-96.35	187.38	0.04	-41.29	0.11	-0.14
32	140	253.33	-84.42	137.04	-0.14	-25.47	0.11	-0.14
32	140	296.67	-74.56	122.07	-0.17	-12.51	0.03	-0.14
32	140	340.00	-57.70	126.18	-0.10	-10.79	-8.06e-03	-0.13
32	150	0.0	-101.35	-119.59	0.38	193.70	0.07	0.15
32	150	40.00	-101.35	-119.59	0.38	193.92	0.11	0.15
32	150	80.00	-94.24	-121.95	0.26	152.94	0.27	0.17
32	150	120.00	-88.19	-122.56	0.18	105.37	0.36	0.16
32	150	165.00	-80.75	-124.09	0.13	61.59	0.43	0.17
32	150	210.00	-75.65	-123.53	8.90e-03	-3.74	0.45	0.16
32	150	253.33	-70.89	-95.91	-0.11	-9.97	0.40	0.16
32	150	296.67	-64.74	-94.11	-0.34	-7.40	0.26	0.16
32	150	340.00	-51.38	-89.96	-0.49	-6.35	0.09	0.14
32	156	0.0	-182.69	115.30	0.58	-251.77	0.09	-0.03
32	156	40.00	-182.69	115.30	0.58	-251.55	0.13	-0.03
32	156	80.00	-164.23	107.20	0.49	-185.42	0.33	-0.04
32	156	120.00	-146.26	104.77	0.39	-137.67	0.49	-0.03
32	156	165.00	-122.07	99.03	0.35	-64.45	0.60	3.30e-03
32	156	210.00	-104.08	100.54	0.13	-51.27	0.65	-0.01
32	156	253.33	-87.44	64.78	-0.32	-36.12	0.64	-0.03
32	156	296.67	-68.90	44.00	-0.54	-11.13	0.39	-0.03
32	156	340.00	-53.39	58.45	-0.71	-10.85	0.13	-0.03
32	159	0.0	-22.60	-114.20	-0.40	224.84	-0.09	0.03
32	159	40.00	-22.60	-114.20	-0.40	225.06	-0.05	0.03
32	159	80.00	-27.27	-106.10	-0.31	160.77	-0.19	0.04
32	159	120.00	-33.69	-103.67	-0.26	114.54	-0.30	0.03
32	159	165.00	-47.07	-97.93	-0.27	42.75	-0.37	-3.00e-03
32	159	210.00	-54.66	-99.44	-0.13	30.92	-0.42	0.01
32	159	253.33	-60.58	-64.50	0.23	16.41	-0.45	0.03
32	159	296.67	-71.00	-44.52	0.32	-8.02	-0.29	0.03
32	159	340.00	-62.07	-59.44	0.49	-5.33	-0.13	0.03
32	172	0.0	-147.30	190.57	0.09	-364.76	-0.02	-0.14
32	172	40.00	-147.30	190.57	0.09	-364.54	0.02	-0.14
32	172	80.00	-134.01	188.08	0.15	-281.86	0.03	-0.15
32	172	120.00	-122.18	187.22	0.14	-204.64	0.06	-0.15
32	172	165.00	-108.32	185.31	0.11	-115.64	0.10	-0.14
32	172	210.00	-96.17	185.65	0.04	-41.01	0.11	-0.14
32	172	253.33	-84.27	135.76	-0.14	-25.31	0.11	-0.14
32	172	296.67	-74.29	120.92	-0.17	-12.44	0.03	-0.14
32	172	340.00	-57.54	125.00	-0.11	-10.74	-7.75e-03	-0.13
32	182	0.0	-100.31	-121.40	0.36	197.20	0.07	0.16

32	182	40.00	-100.31	-121.40	0.36	197.42	0.11	0.16
32	182	80.00	-93.32	-123.73	0.25	155.56	0.26	0.17
32	182	120.00	-87.41	-124.33	0.17	107.28	0.35	0.17
32	182	165.00	-80.14	-125.83	0.12	62.66	0.41	0.18
32	182	210.00	-75.22	-125.27	8.57e-03	-3.36	0.43	0.17
32	182	253.33	-70.65	-97.16	-0.11	-9.78	0.38	0.16
32	182	296.67	-64.91	-95.21	-0.32	-7.42	0.25	0.16
32	182	340.00	-51.74	-91.12	-0.47	-6.38	0.09	0.15
32	192	0.0	-181.49	104.93	0.56	-232.89	0.09	-0.03
32	192	40.00	-181.49	104.93	0.56	-232.67	0.12	-0.03
32	192	80.00	-163.32	96.91	0.47	-170.97	0.32	-0.04
32	192	120.00	-145.41	94.51	0.38	-127.29	0.48	-0.03
32	192	165.00	-121.44	88.83	0.35	-58.77	0.58	1.42e-03
32	192	210.00	-103.61	90.33	0.14	-49.80	0.63	-0.01
32	192	253.33	-87.08	57.23	-0.31	-35.42	0.63	-0.03
32	192	296.67	-68.57	37.17	-0.52	-11.02	0.38	-0.04
32	192	340.00	-54.45	51.48	-0.69	-10.92	0.12	-0.03
32	195	0.0	-23.80	-103.83	-0.38	205.96	-0.09	0.03
32	195	40.00	-23.80	-103.83	-0.38	206.18	-0.05	0.03
32	195	80.00	-28.18	-95.81	-0.30	146.32	-0.18	0.04
32	195	120.00	-34.54	-93.41	-0.25	104.15	-0.29	0.03
32	195	165.00	-47.70	-87.73	-0.27	37.07	-0.35	-1.12e-03
32	195	210.00	-55.12	-89.23	-0.14	29.45	-0.40	0.01
32	195	253.33	-60.94	-56.95	0.21	15.71	-0.44	0.03
32	195	296.67	-71.34	-37.69	0.30	-8.13	-0.29	0.03
32	195	340.00	-61.01	-52.48	0.47	-5.26	-0.12	0.03
32	204	0.0	-154.78	222.97	0.09	-424.62	-0.02	-0.17
32	204	40.00	-154.78	222.97	0.09	-424.40	0.01	-0.17
32	204	80.00	-140.43	220.05	0.16	-327.76	0.02	-0.18
32	204	120.00	-127.59	219.03	0.16	-237.52	0.06	-0.17
32	204	165.00	-112.32	216.79	0.12	-133.51	0.10	-0.16
32	204	210.00	-99.01	217.18	0.05	-46.25	0.12	-0.16
32	204	253.33	-85.99	158.85	-0.15	-27.93	0.11	-0.16
32	204	296.67	-74.93	141.55	-0.18	-12.91	0.03	-0.17
32	204	340.00	-57.43	146.35	-0.11	-11.18	-8.68e-03	-0.15
32	214	0.0	-98.85	-146.21	0.41	240.44	0.08	0.19
32	214	40.00	-98.85	-146.21	0.41	240.66	0.12	0.19
32	214	80.00	-91.97	-148.93	0.28	189.86	0.29	0.20
32	214	120.00	-86.17	-149.62	0.19	131.61	0.39	0.20
32	214	165.00	-78.75	-151.37	0.13	77.52	0.46	0.21
32	214	210.00	-74.04	-150.71	8.06e-03	-1.65	0.48	0.20
32	214	253.33	-69.80	-116.73	-0.11	-9.53	0.43	0.19
32	214	296.67	-64.02	-114.14	-0.36	-7.00	0.28	0.19
32	214	340.00	-50.79	-109.33	-0.53	-6.05	0.10	0.18
32	224	0.0	-194.44	123.75	0.63	-272.01	0.10	-0.04
32	224	40.00	-194.44	123.75	0.63	-271.79	0.14	-0.04
32	224	80.00	-174.42	114.36	0.53	-199.37	0.36	-0.05
32	224	120.00	-154.51	111.53	0.43	-147.96	0.54	-0.04
32	224	165.00	-127.48	104.89	0.39	-67.53	0.66	9.06e-04
32	224	210.00	-107.58	106.63	0.16	-56.59	0.71	-0.02
32	224	253.33	-89.22	67.71	-0.35	-39.76	0.71	-0.04
32	224	296.67	-68.30	44.28	-0.59	-11.27	0.43	-0.04
32	224	340.00	-53.91	61.04	-0.78	-11.42	0.14	-0.04
32	227	0.0	-10.85	-122.65	-0.46	245.08	-0.10	0.04
32	227	40.00	-10.85	-122.65	-0.46	245.30	-0.07	0.04
32	227	80.00	-17.09	-113.26	-0.36	174.72	-0.22	0.05
32	227	120.00	-25.44	-110.43	-0.30	124.83	-0.35	0.04
32	227	165.00	-41.66	-103.79	-0.32	45.83	-0.43	-6.06e-04
32	227	210.00	-51.16	-105.53	-0.16	36.24	-0.48	0.02
32	227	253.33	-58.80	-67.43	0.26	20.05	-0.52	0.04
32	227	296.67	-71.61	-44.80	0.37	-7.88	-0.34	0.04
32	227	340.00	-61.55	-62.03	0.57	-4.77	-0.14	0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-194.44	-151.37	-0.78	-424.62	-0.52	-0.18
	-10.85	222.97	0.63	245.30	0.71	0.21

Macro	Tipo	Angolo 1-Z (gradi)
33	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
33	4	210.00	-0.59	-0.34	-3.83e-03	0.03	0.0	7.47e-04
33	4	253.33	-0.59	-0.34	-3.83e-03	-0.12	-1.66e-03	1.07e-03

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2296 DI 2790

33	4	296.67	-0.31	-0.84	-3.70e-04	-0.24	-1.82e-03	8.88e-04
33	4	340.00	-0.37	-1.41	1.55e-03	0.06	-8.16e-05	2.57e-04
33	32	210.00	-0.45	-0.23	-3.15e-03	-1.05e-03	0.0	-7.00e-04
33	32	253.33	-0.45	-0.23	-3.15e-03	-0.10	-1.36e-03	-1.19e-03
33	32	296.67	-0.23	-0.65	-1.22e-04	-0.19	-1.42e-03	-1.16e-03
33	32	340.00	-0.28	-1.12	-1.63e-04	0.05	0.0	-9.52e-04
33	41	210.00	-0.56	-0.09	-3.17e-03	-0.02	0.0	-1.21e-03
33	41	253.33	-0.56	-0.09	-3.17e-03	-0.06	-1.37e-03	-1.97e-03
33	41	296.67	-0.32	-0.33	-5.56e-05	-0.11	-1.40e-03	-1.84e-03
33	41	340.00	-0.37	-0.87	-5.15e-04	0.06	2.04e-05	-1.33e-03
33	68	210.00	-0.45	-0.24	-2.76e-03	0.02	0.0	4.91e-04
33	68	253.33	-0.45	-0.24	-2.76e-03	-0.09	-1.19e-03	6.98e-04
33	68	296.67	-0.24	-0.59	-2.63e-04	-0.16	-1.31e-03	5.71e-04
33	68	340.00	-0.28	-1.01	1.07e-03	0.05	-5.65e-05	1.43e-04
33	80	210.00	-0.44	-0.19	-2.78e-03	5.53e-04	0.0	-4.85e-04
33	80	253.33	-0.44	-0.19	-2.78e-03	-0.08	-1.21e-03	-8.42e-04
33	80	296.67	-0.24	-0.54	-1.33e-04	-0.16	-1.26e-03	-8.32e-04
33	80	340.00	-0.28	-0.99	1.52e-05	0.05	-7.68e-06	-7.26e-04
33	85	210.00	-0.43	-0.07	-2.32e-03	-0.01	0.0	-8.15e-04
33	85	253.33	-0.43	-0.07	-2.32e-03	-0.04	-1.00e-03	-1.33e-03
33	85	296.67	-0.25	-0.25	-5.36e-05	-0.08	-1.03e-03	-1.25e-03
33	85	340.00	-0.28	-0.65	-3.08e-04	0.05	1.15e-05	-9.18e-04
33	98	210.00	-0.45	-0.18	-2.30e-03	6.73e-03	0.0	-3.95e-05
33	98	253.33	-0.45	-0.18	-2.30e-03	-0.07	-9.95e-04	-1.36e-04
33	98	296.67	-0.24	-0.46	-1.75e-04	-0.13	-1.07e-03	-1.87e-04
33	98	340.00	-0.28	-0.88	3.78e-04	0.05	-2.41e-05	-3.06e-04
33	103	210.00	-0.45	-0.17	-2.31e-03	8.83e-03	0.0	1.31e-04
33	103	253.33	-0.45	-0.17	-2.31e-03	-0.07	-1.00e-03	1.38e-04
33	103	296.67	-0.25	-0.44	-1.96e-04	-0.13	-1.09e-03	6.77e-05
33	103	340.00	-0.28	-0.86	5.94e-04	0.05	-3.35e-05	-1.41e-04
33	105	210.00	-0.44	-0.16	-2.32e-03	3.42e-03	0.0	-1.94e-04
33	105	253.33	-0.44	-0.16	-2.32e-03	-0.07	-1.01e-03	-3.75e-04
33	105	296.67	-0.24	-0.43	-1.53e-04	-0.13	-1.07e-03	-4.00e-04
33	105	340.00	-0.28	-0.85	2.43e-04	0.05	-1.72e-05	-4.31e-04
33	107	210.00	-0.44	-0.17	-2.24e-03	6.18e-03	0.0	-4.15e-05
33	107	253.33	-0.44	-0.17	-2.24e-03	-0.07	-9.70e-04	-1.37e-04
33	107	296.67	-0.25	-0.44	-1.71e-04	-0.13	-1.04e-03	-1.85e-04
33	107	340.00	-0.28	-0.85	3.73e-04	0.05	-2.35e-05	-2.99e-04
33	114	210.00	-1.37	-42.77	0.01	10.83	7.79e-03	0.04
33	114	253.33	-1.37	-42.77	0.01	10.76	6.82e-03	0.04
33	114	296.67	-0.63	-51.39	7.57e-03	6.75	0.02	0.04
33	114	340.00	-0.56	-38.73	0.04	0.26	-2.21e-03	0.03
33	117	210.00	-1.28	33.45	1.36e-03	-7.45	-4.05e-03	-0.04
33	117	253.33	-1.28	33.45	1.36e-03	-7.52	-5.02e-03	-0.04
33	117	296.67	0.11	41.32	-5.75e-03	-5.80	-9.83e-03	-0.04
33	117	340.00	-0.05	24.96	-0.04	-0.12	3.29e-03	-0.03
33	124	210.00	2.87	0.61	0.14	-2.87	0.03	-4.28e-03
33	124	253.33	2.87	0.61	0.14	-2.94	0.03	-4.39e-03
33	124	296.67	-1.25	-4.61	-2.52e-03	0.96	0.06	2.28e-03
33	124	340.00	-0.40	13.61	-0.10	5.12e-03	0.01	3.22e-03
33	127	210.00	-3.76	-0.94	-0.14	2.88	-0.03	4.20e-03
33	127	253.33	-3.76	-0.94	-0.14	2.81	-0.03	4.11e-03
33	127	296.67	0.76	3.73	2.18e-03	-1.21	-0.06	-2.65e-03
33	127	340.00	-0.16	-15.32	0.10	0.09	-0.01	-3.81e-03
33	146	210.00	-1.49	-48.15	0.01	12.20	8.72e-03	0.04
33	146	253.33	-1.49	-48.15	0.01	12.13	7.75e-03	0.04
33	146	296.67	-0.68	-57.83	8.55e-03	7.62	0.02	0.04
33	146	340.00	-0.59	-43.52	0.04	0.29	-2.49e-03	0.03
33	149	210.00	-1.39	37.77	2.24e-03	-8.41	-4.52e-03	-0.05
33	149	253.33	-1.39	37.77	2.24e-03	-8.48	-5.49e-03	-0.05
33	149	296.67	0.16	46.69	-6.41e-03	-6.52	-0.01	-0.05
33	149	340.00	-0.02	28.30	-0.05	-0.14	3.74e-03	-0.04
33	156	210.00	3.28	0.72	0.15	-3.23	0.03	-4.80e-03
33	156	253.33	3.28	0.72	0.15	-3.30	0.03	-4.91e-03
33	156	296.67	-1.37	-5.12	-2.82e-03	1.09	0.06	2.63e-03
33	156	340.00	-0.41	15.44	-0.11	-3.29e-04	0.01	3.70e-03
33	159	210.00	-4.17	-1.05	-0.16	3.24	-0.03	4.72e-03
33	159	253.33	-4.17	-1.05	-0.16	3.17	-0.03	4.63e-03
33	159	296.67	0.88	4.25	2.48e-03	-1.35	-0.06	-3.00e-03
33	159	340.00	-0.15	-17.14	0.11	0.10	-0.01	-4.30e-03
33	178	210.00	-1.48	-47.70	0.01	12.09	8.39e-03	0.04
33	178	253.33	-1.48	-47.70	0.01	12.02	7.42e-03	0.04
33	178	296.67	-0.68	-57.29	8.36e-03	7.54	0.02	0.04
33	178	340.00	-0.59	-43.12	0.04	0.29	-2.52e-03	0.03
33	181	210.00	-1.37	38.10	5.60e-03	-8.50	-4.11e-03	-0.05

33	181	253.33	-1.37	38.10	5.60e-03	-8.57	-5.08e-03	-0.05
33	181	296.67	0.15	47.06	-5.94e-03	-6.57	-0.01	-0.05
33	181	340.00	-0.02	28.65	-0.05	-0.15	3.91e-03	-0.04
33	188	210.00	3.24	0.73	0.15	-3.20	0.03	-4.53e-03
33	188	253.33	3.24	0.73	0.15	-3.27	0.03	-4.66e-03
33	188	296.67	-1.36	-5.04	-2.83e-03	1.08	0.06	2.87e-03
33	188	340.00	-0.41	15.28	-0.11	4.36e-05	0.01	3.94e-03
33	191	210.00	-4.13	-1.06	-0.15	3.21	-0.03	4.44e-03
33	191	253.33	-4.13	-1.06	-0.15	3.14	-0.03	4.39e-03
33	191	296.67	0.87	4.17	2.48e-03	-1.33	-0.06	-3.24e-03
33	191	340.00	-0.15	-16.98	0.11	0.10	-0.01	-4.54e-03
33	210	210.00	-1.65	-55.78	0.01	14.15	9.76e-03	0.05
33	210	253.33	-1.65	-55.78	0.01	14.08	8.79e-03	0.05
33	210	296.67	-0.75	-66.96	9.71e-03	8.85	0.02	0.05
33	210	340.00	-0.64	-50.31	0.05	0.33	-2.95e-03	0.04
33	213	210.00	-1.52	45.57	9.49e-03	-10.19	-4.55e-03	-0.06
33	213	253.33	-1.52	45.57	9.49e-03	-10.26	-5.52e-03	-0.06
33	213	296.67	0.22	56.30	-6.78e-03	-7.82	-0.01	-0.06
33	213	340.00	0.02	34.55	-0.06	-0.18	4.83e-03	-0.04
33	220	210.00	3.86	0.92	0.17	-3.75	0.04	-5.20e-03
33	220	253.33	3.86	0.92	0.17	-3.82	0.04	-5.35e-03
33	220	296.67	-1.55	-5.77	-3.43e-03	1.27	0.07	3.60e-03
33	220	340.00	-0.44	18.02	-0.12	-8.17e-03	0.02	4.88e-03
33	223	210.00	-4.75	-1.25	-0.18	3.76	-0.04	5.12e-03
33	223	253.33	-4.75	-1.25	-0.18	3.69	-0.04	5.08e-03
33	223	296.67	1.06	4.90	3.08e-03	-1.53	-0.07	-3.97e-03
33	223	340.00	-0.13	-19.72	0.12	0.10	-0.02	-5.48e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-4.75	-66.96	-0.18	-10.26	-0.07	-0.06
			3.86	56.30	0.17	14.15	0.07	0.05

Macro	Tipo	Angolo 1-Z (gradi)
34	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
34	4	0.0	-191.88	0.33	0.20	23.86	0.0	-2.80e-03
34	4	40.00	-191.88	0.33	0.20	23.99	0.08	-4.56e-03
34	4	80.00	-178.78	0.33	0.20	22.64	0.16	-3.94e-03
34	4	120.00	-167.86	0.33	0.15	21.59	0.22	-3.73e-03
34	4	165.00	-157.70	0.33	0.08	20.68	0.26	-3.49e-03
34	4	210.00	-148.00	0.33	-9.31e-03	19.86	0.26	-3.25e-03
34	4	253.33	-138.51	0.80	-0.13	19.11	0.20	-3.04e-03
34	4	296.67	-131.38	1.48	-0.25	18.48	0.10	-2.88e-03
34	4	340.00	-108.80	1.89	-0.22	15.55	0.0	-2.07e-03
34	18	0.0	-174.53	0.28	0.23	21.43	0.0	-2.99e-03
34	18	40.00	-174.53	0.28	0.23	21.54	0.09	-4.87e-03
34	18	80.00	-161.79	0.28	0.23	20.22	0.19	-4.20e-03
34	18	120.00	-151.00	0.28	0.18	19.17	0.26	-3.96e-03
34	18	165.00	-140.85	0.28	0.10	18.25	0.30	-3.70e-03
34	18	210.00	-131.08	0.28	-0.01	17.40	0.29	-3.44e-03
34	18	253.33	-121.43	0.70	-0.14	16.61	0.23	-3.21e-03
34	18	296.67	-113.93	1.29	-0.27	15.94	0.11	-3.03e-03
34	18	340.00	-93.26	1.64	-0.26	13.30	0.0	-2.15e-03
34	19	0.0	-83.08	0.11	0.17	9.26	0.0	-1.93e-03
34	19	40.00	-83.08	0.11	0.17	9.31	0.07	-3.14e-03
34	19	80.00	-75.81	0.11	0.17	8.60	0.14	-2.69e-03
34	19	120.00	-69.37	0.11	0.13	8.01	0.19	-2.52e-03
34	19	165.00	-63.14	0.11	0.07	7.48	0.22	-2.33e-03
34	19	210.00	-57.00	0.11	-0.01	6.97	0.22	-2.15e-03
34	19	253.33	-50.63	0.28	-0.10	6.50	0.17	-1.99e-03
34	19	296.67	-45.30	0.52	-0.19	6.08	0.09	-1.86e-03
34	19	340.00	-35.17	0.65	-0.21	4.94	0.0	-1.30e-03
34	68	0.0	-134.88	0.23	0.14	16.55	0.0	-1.95e-03
34	68	40.00	-134.88	0.23	0.14	16.64	0.06	-3.17e-03
34	68	80.00	-125.61	0.23	0.14	15.71	0.11	-2.74e-03
34	68	120.00	-117.86	0.23	0.11	14.98	0.16	-2.59e-03
34	68	165.00	-110.62	0.23	0.06	14.36	0.18	-2.42e-03
34	68	210.00	-103.70	0.23	-5.46e-03	13.79	0.18	-2.26e-03
34	68	253.33	-96.85	0.56	-0.09	13.27	0.14	-2.11e-03
34	68	296.67	-91.67	1.03	-0.17	12.84	0.07	-2.00e-03
34	68	340.00	-75.76	1.31	-0.16	10.81	0.0	-1.43e-03
34	72	0.0	-82.66	0.12	0.14	9.18	0.0	-1.61e-03

34	72	40.00	-82.66	0.12	0.14	9.23	0.06	-2.62e-03
34	72	80.00	-75.92	0.12	0.14	8.60	0.11	-2.25e-03
34	72	120.00	-70.02	0.12	0.11	8.09	0.15	-2.11e-03
34	72	165.00	-64.34	0.12	0.06	7.64	0.18	-1.95e-03
34	72	210.00	-58.76	0.12	-5.40e-03	7.22	0.18	-1.79e-03
34	72	253.33	-52.94	0.30	-0.08	6.82	0.14	-1.65e-03
34	72	296.67	-48.16	0.55	-0.16	6.48	0.08	-1.55e-03
34	72	340.00	-38.13	0.69	-0.17	5.36	0.0	-1.10e-03
34	75	0.0	-123.31	0.20	0.16	14.93	0.0	-2.07e-03
34	75	40.00	-123.31	0.20	0.16	15.01	0.07	-3.38e-03
34	75	80.00	-114.28	0.20	0.16	14.09	0.13	-2.91e-03
34	75	120.00	-106.62	0.20	0.12	13.37	0.18	-2.75e-03
34	75	165.00	-99.39	0.20	0.07	12.73	0.21	-2.56e-03
34	75	210.00	-92.42	0.20	-8.38e-03	12.15	0.21	-2.38e-03
34	75	253.33	-85.47	0.49	-0.10	11.61	0.16	-2.22e-03
34	75	296.67	-80.04	0.91	-0.19	11.15	0.08	-2.09e-03
34	75	340.00	-65.39	1.15	-0.19	9.31	0.0	-1.49e-03
34	98	0.0	-109.04	0.19	0.09	12.88	0.0	-1.26e-03
34	98	40.00	-109.04	0.19	0.09	12.95	0.04	-2.06e-03
34	98	80.00	-101.83	0.19	0.09	12.29	0.07	-1.78e-03
34	98	120.00	-95.82	0.19	0.07	11.79	0.10	-1.68e-03
34	98	165.00	-90.22	0.19	0.04	11.38	0.11	-1.56e-03
34	98	210.00	-84.85	0.19	2.09e-03	11.01	0.12	-1.45e-03
34	98	253.33	-79.36	0.45	-0.05	10.68	0.09	-1.34e-03
34	98	296.67	-75.24	0.83	-0.11	10.42	0.05	-1.28e-03
34	98	340.00	-62.32	1.07	-0.10	8.85	0.0	-9.35e-04
34	102	0.0	-75.21	0.12	0.08	8.10	0.0	-1.02e-03
34	102	40.00	-75.21	0.12	0.08	8.15	0.03	-1.65e-03
34	102	80.00	-69.70	0.12	0.08	7.69	0.07	-1.42e-03
34	102	120.00	-64.95	0.12	0.06	7.35	0.09	-1.33e-03
34	102	165.00	-60.41	0.12	0.04	7.05	0.11	-1.22e-03
34	102	210.00	-55.98	0.12	2.77e-03	6.79	0.11	-1.11e-03
34	102	253.33	-51.21	0.28	-0.04	6.55	0.09	-1.02e-03
34	102	296.67	-47.42	0.52	-0.10	6.36	0.05	-9.69e-04
34	102	340.00	-38.31	0.67	-0.11	5.37	0.0	-7.02e-04
34	103	0.0	-105.80	0.18	0.10	12.43	0.0	-1.36e-03
34	103	40.00	-105.80	0.18	0.10	12.50	0.04	-2.21e-03
34	103	80.00	-98.57	0.18	0.10	11.83	0.08	-1.90e-03
34	103	120.00	-92.50	0.18	0.07	11.32	0.11	-1.79e-03
34	103	165.00	-86.80	0.18	0.04	10.89	0.13	-1.67e-03
34	103	210.00	-81.32	0.18	4.34e-04	10.50	0.13	-1.54e-03
34	103	253.33	-75.71	0.43	-0.06	10.15	0.10	-1.43e-03
34	103	296.67	-71.43	0.79	-0.12	9.87	0.05	-1.36e-03
34	103	340.00	-58.85	1.01	-0.12	8.35	0.0	-9.86e-04
34	106	0.0	-73.35	0.12	0.07	7.83	0.0	-8.68e-04
34	106	40.00	-73.35	0.12	0.07	7.88	0.03	-1.41e-03
34	106	80.00	-68.14	0.12	0.07	7.47	0.05	-1.21e-03
34	106	120.00	-63.68	0.12	0.05	7.16	0.08	-1.13e-03
34	106	165.00	-59.43	0.12	0.03	6.91	0.09	-1.04e-03
34	106	210.00	-55.28	0.12	4.82e-03	6.68	0.09	-9.46e-04
34	106	253.33	-50.78	0.28	-0.03	6.48	0.08	-8.65e-04
34	106	296.67	-47.23	0.52	-0.08	6.33	0.04	-8.23e-04
34	106	340.00	-38.35	0.66	-0.10	5.37	0.0	-6.03e-04
34	107	0.0	-103.94	0.18	0.09	12.16	0.0	-1.21e-03
34	107	40.00	-103.94	0.18	0.09	12.23	0.04	-1.97e-03
34	107	80.00	-97.02	0.18	0.08	11.60	0.07	-1.70e-03
34	107	120.00	-91.23	0.18	0.06	11.13	0.09	-1.60e-03
34	107	165.00	-85.82	0.18	0.04	10.74	0.11	-1.49e-03
34	107	210.00	-80.62	0.18	2.48e-03	10.40	0.11	-1.38e-03
34	107	253.33	-75.27	0.42	-0.05	10.08	0.09	-1.28e-03
34	107	296.67	-71.24	0.79	-0.11	9.84	0.04	-1.21e-03
34	107	340.00	-58.89	1.01	-0.10	8.35	0.0	-8.87e-04
34	113	0.0	-70.19	168.96	0.11	-302.04	0.03	-0.13
34	113	40.00	-70.19	168.96	0.11	-301.97	0.07	-0.13
34	113	80.00	-70.57	165.85	0.03	-229.21	0.14	-0.14
34	113	120.00	-71.35	162.57	-0.02	-160.96	0.17	-0.13
34	113	165.00	-80.62	162.45	-0.06	-80.72	0.16	-0.12
34	113	210.00	-76.57	162.85	-0.05	-15.81	0.11	-0.13
34	113	253.33	-74.17	120.29	0.07	-2.66	0.06	-0.13
34	113	296.67	-75.74	107.65	-0.07	8.47	0.04	-0.13
34	113	340.00	-64.75	111.72	0.02	7.67	6.07e-03	-0.12
34	120	0.0	-107.39	107.97	0.36	-170.24	0.07	-0.14
34	120	40.00	-107.39	107.97	0.36	-170.17	0.11	-0.14
34	120	80.00	-100.15	110.95	0.25	-133.11	0.27	-0.15
34	120	120.00	-92.89	114.02	0.17	-91.77	0.36	-0.15

34	120	165.00	-85.55	113.78	0.11	-52.88	0.39	-0.15
34	120	210.00	-86.91	113.19	0.01	6.12	0.40	-0.15
34	120	253.33	-78.26	87.16	-0.10	11.08	0.37	-0.14
34	120	296.67	-72.29	85.71	-0.30	8.89	0.24	-0.14
34	120	340.00	-61.39	82.12	-0.36	7.26	0.08	-0.13
34	129	0.0	-31.04	-12.32	-0.45	43.70	-0.10	-0.05
34	129	40.00	-31.04	-12.32	-0.45	43.77	-0.07	-0.05
34	129	80.00	-62.08	-7.25	-0.35	-47.40	-0.22	-0.05
34	129	120.00	-59.80	-1.87	-0.31	-32.64	-0.34	-0.06
34	129	165.00	-49.59	0.75	-0.31	2.10	-0.44	-0.07
34	129	210.00	-58.75	1.24	-0.14	25.80	-0.49	-0.05
34	129	253.33	-65.10	-1.97	0.25	-9.75	-0.53	-0.04
34	129	296.67	-70.26	-2.37	0.31	-0.51	-0.36	-0.04
34	129	340.00	-62.55	-2.25	0.64	9.03	-0.16	-0.04
34	130	0.0	-176.84	12.68	0.63	-19.38	0.10	0.05
34	130	40.00	-176.84	12.68	0.63	-19.31	0.14	0.05
34	130	80.00	-131.96	7.61	0.52	70.60	0.36	0.05
34	130	120.00	-122.66	2.23	0.43	54.90	0.53	0.05
34	130	165.00	-122.05	-0.39	0.39	19.38	0.66	0.07
34	130	210.00	-102.49	-0.88	0.15	-5.01	0.72	0.04
34	130	253.33	-85.45	2.82	-0.35	29.92	0.71	0.04
34	130	296.67	-72.23	3.94	-0.53	20.18	0.45	0.04
34	130	340.00	-55.23	4.27	-0.85	7.68	0.16	0.04
34	145	0.0	-65.97	190.30	0.11	-341.77	0.03	-0.14
34	145	40.00	-65.97	190.30	0.11	-341.70	0.07	-0.15
34	145	80.00	-67.26	186.80	0.03	-259.65	0.14	-0.16
34	145	120.00	-68.87	183.10	-0.03	-182.71	0.18	-0.15
34	145	165.00	-79.98	182.97	-0.07	-92.28	0.16	-0.14
34	145	210.00	-76.06	183.42	-0.06	-19.12	0.11	-0.14
34	145	253.33	-74.02	135.45	0.08	-4.27	0.06	-0.14
34	145	296.67	-76.30	121.17	-0.06	8.29	0.04	-0.14
34	145	340.00	-65.48	125.72	0.03	7.58	6.92e-03	-0.13
34	152	0.0	-107.72	121.93	0.40	-193.91	0.08	-0.16
34	152	40.00	-107.72	121.93	0.40	-193.84	0.12	-0.16
34	152	80.00	-100.48	125.28	0.27	-151.87	0.29	-0.17
34	152	120.00	-93.06	128.74	0.18	-105.11	0.39	-0.16
34	152	165.00	-85.50	128.47	0.12	-61.11	0.42	-0.17
34	152	210.00	-87.66	127.81	0.01	5.53	0.44	-0.17
34	152	253.33	-78.59	98.36	-0.11	11.18	0.41	-0.16
34	152	296.67	-72.42	96.66	-0.32	8.77	0.27	-0.16
34	152	340.00	-61.72	92.60	-0.39	7.12	0.09	-0.15
34	161	0.0	-21.89	-13.77	-0.51	47.45	-0.11	-0.06
34	161	40.00	-21.89	-13.77	-0.51	47.52	-0.08	-0.06
34	161	80.00	-57.70	-8.05	-0.41	-54.99	-0.25	-0.06
34	161	120.00	-55.87	-1.99	-0.35	-38.26	-0.40	-0.06
34	161	165.00	-45.05	0.96	-0.36	0.94	-0.50	-0.08
34	161	210.00	-56.01	1.52	-0.16	27.72	-0.57	-0.05
34	161	253.33	-63.82	-2.15	0.29	-12.25	-0.60	-0.05
34	161	296.67	-70.13	-2.65	0.36	-1.81	-0.41	-0.05
34	161	340.00	-63.02	-2.55	0.73	9.11	-0.17	-0.05
34	162	0.0	-185.99	14.13	0.69	-23.13	0.11	0.06
34	162	40.00	-185.99	14.13	0.69	-23.06	0.15	0.05
34	162	80.00	-136.33	8.41	0.57	78.19	0.39	0.06
34	162	120.00	-126.59	2.35	0.48	60.52	0.58	0.06
34	162	165.00	-126.59	-0.60	0.43	20.54	0.72	0.08
34	162	210.00	-105.24	-1.16	0.16	-6.93	0.79	0.05
34	162	253.33	-86.73	3.00	-0.38	32.42	0.78	0.05
34	162	296.67	-72.35	4.23	-0.58	21.49	0.50	0.05
34	162	340.00	-54.77	4.57	-0.94	7.59	0.17	0.04
34	177	0.0	-66.59	188.60	0.10	-338.59	0.03	-0.14
34	177	40.00	-66.59	188.60	0.10	-338.52	0.06	-0.14
34	177	80.00	-67.74	185.12	0.03	-257.12	0.13	-0.16
34	177	120.00	-69.33	181.45	-0.03	-180.88	0.17	-0.15
34	177	165.00	-79.99	181.30	-0.07	-91.40	0.16	-0.14
34	177	210.00	-75.90	181.75	-0.06	-18.88	0.11	-0.14
34	177	253.33	-73.88	134.20	0.08	-4.17	0.06	-0.14
34	177	296.67	-76.20	120.05	-0.06	8.29	0.04	-0.14
34	177	340.00	-65.43	124.56	0.03	7.59	6.33e-03	-0.13
34	184	0.0	-106.92	123.70	0.38	-197.31	0.08	-0.16
34	184	40.00	-106.92	123.70	0.38	-197.24	0.11	-0.16
34	184	80.00	-99.99	127.01	0.26	-154.44	0.28	-0.17
34	184	120.00	-92.79	130.43	0.17	-106.92	0.37	-0.17
34	184	165.00	-85.41	130.16	0.11	-62.11	0.40	-0.18
34	184	210.00	-87.17	129.50	0.01	5.17	0.42	-0.17
34	184	253.33	-78.19	99.59	-0.10	10.97	0.39	-0.16

34	184	296.67	-72.40	97.74	-0.31	8.73	0.25	-0.16
34	184	340.00	-61.87	93.73	-0.36	7.13	0.08	-0.15
34	193	0.0	-22.65	-12.66	-0.48	45.37	-0.11	-0.06
34	193	40.00	-22.65	-12.66	-0.48	45.44	-0.07	-0.06
34	193	80.00	-58.07	-6.98	-0.38	-55.58	-0.23	-0.06
34	193	120.00	-56.25	-0.96	-0.34	-38.65	-0.37	-0.06
34	193	165.00	-45.53	1.98	-0.34	0.52	-0.47	-0.09
34	193	210.00	-56.21	2.54	-0.16	27.42	-0.54	-0.05
34	193	253.33	-63.89	-1.32	0.27	-12.07	-0.58	-0.05
34	193	296.67	-70.13	-1.86	0.34	-1.70	-0.39	-0.05
34	193	340.00	-63.04	-1.75	0.71	9.10	-0.17	-0.05
34	194	0.0	-185.23	13.02	0.65	-21.06	0.11	0.06
34	194	40.00	-185.23	13.02	0.65	-20.98	0.14	0.06
34	194	80.00	-135.96	7.34	0.55	78.78	0.37	0.06
34	194	120.00	-126.21	1.32	0.46	60.91	0.56	0.06
34	194	165.00	-126.11	-1.62	0.42	20.96	0.69	0.08
34	194	210.00	-105.04	-2.18	0.16	-6.63	0.76	0.05
34	194	253.33	-86.66	2.17	-0.37	32.23	0.76	0.05
34	194	296.67	-72.35	3.43	-0.56	21.37	0.48	0.05
34	194	340.00	-54.75	3.77	-0.91	7.60	0.17	0.05
34	209	0.0	-60.46	220.74	0.10	-398.36	0.03	-0.17
34	209	40.00	-60.46	220.74	0.10	-398.29	0.07	-0.17
34	209	80.00	-62.94	216.66	0.02	-302.89	0.14	-0.18
34	209	120.00	-65.79	212.35	-0.04	-213.57	0.17	-0.17
34	209	165.00	-79.02	212.17	-0.08	-108.83	0.16	-0.16
34	209	210.00	-75.03	212.68	-0.07	-23.88	0.11	-0.16
34	209	253.33	-73.60	156.97	0.10	-6.60	0.05	-0.17
34	209	296.67	-77.04	140.35	-0.05	8.02	0.04	-0.17
34	209	340.00	-66.55	145.59	0.05	7.46	7.03e-03	-0.16
34	216	0.0	-106.61	148.76	0.42	-240.29	0.09	-0.19
34	216	40.00	-106.61	148.76	0.42	-240.22	0.13	-0.19
34	216	80.00	-99.89	152.63	0.29	-188.37	0.31	-0.21
34	216	120.00	-92.60	156.62	0.18	-131.04	0.42	-0.20
34	216	165.00	-85.05	156.31	0.13	-76.81	0.45	-0.21
34	216	210.00	-88.05	155.53	0.01	3.77	0.47	-0.20
34	216	253.33	-78.50	119.47	-0.11	10.90	0.44	-0.20
34	216	296.67	-72.63	117.01	-0.34	8.50	0.29	-0.19
34	216	340.00	-62.55	112.30	-0.40	6.90	0.09	-0.18
34	225	0.0	-9.04	-13.50	-0.57	48.65	-0.12	-0.07
34	225	40.00	-9.04	-13.50	-0.57	48.72	-0.09	-0.07
34	225	80.00	-51.62	-6.83	-0.46	-68.65	-0.28	-0.08
34	225	120.00	-50.46	0.23	-0.40	-48.29	-0.45	-0.08
34	225	165.00	-38.86	3.68	-0.41	-1.92	-0.57	-0.10
34	225	210.00	-52.18	4.35	-0.19	30.15	-0.65	-0.07
34	225	253.33	-62.01	-0.52	0.33	-15.84	-0.69	-0.06
34	225	296.67	-70.02	-1.28	0.42	-3.64	-0.46	-0.06
34	225	340.00	-63.81	-1.19	0.84	9.22	-0.20	-0.06
34	226	0.0	-198.84	13.86	0.74	-24.34	0.12	0.07
34	226	40.00	-198.84	13.86	0.74	-24.27	0.16	0.07
34	226	80.00	-142.42	7.19	0.63	91.85	0.42	0.07
34	226	120.00	-132.00	0.13	0.53	70.55	0.64	0.07
34	226	165.00	-132.78	-3.32	0.48	23.40	0.79	0.10
34	226	210.00	-109.07	-3.99	0.19	-9.36	0.87	0.06
34	226	253.33	-88.54	1.37	-0.42	36.01	0.87	0.06
34	226	296.67	-72.46	2.85	-0.63	23.32	0.55	0.06
34	226	340.00	-53.98	3.21	-1.05	7.48	0.20	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-198.84	-13.77	-1.05	-398.36	-0.69	-0.21
	-9.04	220.74	0.84	91.85	0.87	0.10

Macro	Tipo	Angolo 1-Z (gradi)
35	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
35	8	210.00	-0.42	0.13	-1.28e-03	-0.06	0.0	-2.31e-04
35	8	253.33	-0.42	0.13	-1.28e-03	-5.27e-03	-5.56e-04	-3.52e-04
35	8	296.67	-0.26	0.16	-2.46e-05	0.01	-5.67e-04	-3.05e-04
35	8	340.00	-0.27	-0.19	5.16e-04	0.05	-1.43e-05	-2.01e-04
35	41	210.00	-0.56	0.08	-1.10e-03	-0.04	0.0	-1.58e-04
35	41	253.33	-0.56	0.08	-1.10e-03	-2.89e-03	-4.76e-04	-2.23e-04
35	41	296.67	-0.35	0.09	-4.83e-05	7.31e-03	-4.97e-04	-1.82e-04
35	41	340.00	-0.36	-0.34	-3.45e-03	0.07	6.90e-05	-3.68e-04

35	49	210.00	-0.55	0.08	-8.85e-04	-0.04	0.0	-1.91e-04
35	49	253.33	-0.55	0.08	-8.85e-04	-3.05e-03	-3.84e-04	-2.81e-04
35	49	296.67	-0.35	0.09	-1.21e-05	7.01e-03	-3.89e-04	-2.37e-04
35	49	340.00	-0.36	-0.34	-1.19e-03	0.07	2.37e-05	-2.43e-04
35	52	210.00	-0.55	0.16	-8.42e-04	-0.07	0.0	-3.30e-04
35	52	253.33	-0.55	0.16	-8.42e-04	-6.13e-03	-3.65e-04	-4.95e-04
35	52	296.67	-0.34	0.19	5.18e-05	0.01	-3.43e-04	-4.26e-04
35	52	340.00	-0.36	-0.26	-1.85e-03	0.07	4.15e-05	-3.87e-04
35	68	210.00	-0.43	0.11	-1.09e-03	-0.05	0.0	-2.06e-04
35	68	253.33	-0.43	0.11	-1.09e-03	-4.36e-03	-4.72e-04	-3.11e-04
35	68	296.67	-0.26	0.13	-1.86e-05	9.96e-03	-4.80e-04	-2.68e-04
35	68	340.00	-0.27	-0.21	2.56e-05	0.05	-3.13e-06	-2.00e-04
35	85	210.00	-0.43	0.06	-8.13e-04	-0.03	0.0	-1.19e-04
35	85	253.33	-0.43	0.06	-8.13e-04	-2.12e-03	-3.52e-04	-1.69e-04
35	85	296.67	-0.27	0.07	-3.51e-05	5.30e-03	-3.68e-04	-1.38e-04
35	85	340.00	-0.27	-0.26	-2.39e-03	0.05	4.78e-05	-2.64e-04
35	89	210.00	-0.43	0.06	-6.71e-04	-0.03	0.0	-1.41e-04
35	89	253.33	-0.43	0.06	-6.71e-04	-2.22e-03	-2.91e-04	-2.08e-04
35	89	296.67	-0.27	0.07	-1.10e-05	5.10e-03	-2.95e-04	-1.75e-04
35	89	340.00	-0.27	-0.26	-8.84e-04	0.05	1.76e-05	-1.81e-04
35	92	210.00	-0.43	0.11	-6.42e-04	-0.05	0.0	-2.34e-04
35	92	253.33	-0.43	0.11	-6.42e-04	-4.28e-03	-2.78e-04	-3.50e-04
35	92	296.67	-0.26	0.13	3.16e-05	9.97e-03	-2.65e-04	-3.01e-04
35	92	340.00	-0.27	-0.21	-1.33e-03	0.05	2.94e-05	-2.77e-04
35	97	210.00	-0.43	0.06	-6.71e-04	-0.03	0.0	-1.41e-04
35	97	253.33	-0.43	0.06	-6.71e-04	-2.22e-03	-2.91e-04	-2.08e-04
35	97	296.67	-0.27	0.07	-1.10e-05	5.10e-03	-2.95e-04	-1.75e-04
35	97	340.00	-0.27	-0.26	-8.84e-04	0.05	1.76e-05	-1.81e-04
35	98	210.00	-0.43	0.09	-6.51e-04	-0.04	0.0	-1.99e-04
35	98	253.33	-0.43	0.09	-6.51e-04	-3.53e-03	-2.82e-04	-2.96e-04
35	98	296.67	-0.26	0.11	1.51e-05	8.18e-03	-2.76e-04	-2.53e-04
35	98	340.00	-0.27	-0.23	-1.17e-03	0.05	2.51e-05	-2.41e-04
35	104	210.00	-0.43	0.06	-6.99e-04	-0.03	0.0	-1.37e-04
35	104	253.33	-0.43	0.06	-6.99e-04	-2.20e-03	-3.03e-04	-2.00e-04
35	104	296.67	-0.27	0.07	-1.58e-05	5.14e-03	-3.10e-04	-1.68e-04
35	104	340.00	-0.27	-0.26	-1.19e-03	0.05	2.36e-05	-1.97e-04
35	106	210.00	-0.43	0.06	-6.71e-04	-0.03	0.0	-1.41e-04
35	106	253.33	-0.43	0.06	-6.71e-04	-2.22e-03	-2.91e-04	-2.08e-04
35	106	296.67	-0.27	0.07	-1.10e-05	5.10e-03	-2.95e-04	-1.75e-04
35	106	340.00	-0.27	-0.26	-8.84e-04	0.05	1.76e-05	-1.81e-04
35	107	210.00	-0.43	0.09	-6.54e-04	-0.04	0.0	-1.90e-04
35	107	253.33	-0.43	0.09	-6.54e-04	-3.34e-03	-2.83e-04	-2.84e-04
35	107	296.67	-0.26	0.10	1.14e-05	7.74e-03	-2.78e-04	-2.42e-04
35	107	340.00	-0.27	-0.24	-1.13e-03	0.05	2.40e-05	-2.32e-04
35	113	210.00	0.18	42.49	-0.04	-9.79	-9.63e-03	-0.04
35	113	253.33	0.18	42.49	-0.04	-9.75	-9.91e-03	-0.04
35	113	296.67	-0.27	50.82	-8.18e-04	-6.13	-0.02	-0.04
35	113	340.00	1.46e-03	37.43	0.01	-0.15	-2.50e-03	-0.03
35	120	210.00	-1.06	25.93	0.04	-5.46	9.60e-03	-0.04
35	120	253.33	-1.06	25.93	0.04	-5.42	9.32e-03	-0.04
35	120	296.67	-0.27	31.02	1.03e-03	-3.73	0.02	-0.04
35	120	340.00	-0.15	22.74	-0.04	-0.10	5.15e-03	-0.03
35	132	210.00	-2.50	-3.67	0.14	1.87	0.03	-0.01
35	132	253.33	-2.50	-3.67	0.14	1.91	0.03	-0.01
35	132	296.67	-0.27	-4.39	3.26e-03	0.55	0.07	-0.02
35	132	340.00	-0.39	-3.58	-0.10	0.02	0.01	-0.02
35	135	210.00	1.65	3.84	-0.15	-1.95	-0.03	0.01
35	135	253.33	1.65	3.84	-0.15	-1.91	-0.03	0.01
35	135	296.67	-0.26	4.60	-3.24e-03	-0.53	-0.07	0.02
35	135	340.00	-0.16	3.10	0.10	0.09	-0.01	0.02
35	145	210.00	0.25	47.85	-0.05	-11.02	-0.01	-0.04
35	145	253.33	0.25	47.85	-0.05	-10.98	-0.01	-0.04
35	145	296.67	-0.27	57.23	-9.23e-04	-6.90	-0.02	-0.04
35	145	340.00	0.04	42.19	0.01	-0.18	-2.81e-03	-0.03
35	152	210.00	-1.14	29.28	0.05	-6.17	0.01	-0.05
35	152	253.33	-1.14	29.28	0.05	-6.13	0.01	-0.05
35	152	296.67	-0.27	35.03	1.16e-03	-4.22	0.03	-0.05
35	152	340.00	-0.13	25.72	-0.05	-0.12	5.79e-03	-0.04
35	164	210.00	-2.76	-4.13	0.16	2.11	0.04	-0.02
35	164	253.33	-2.76	-4.13	0.16	2.15	0.04	-0.02
35	164	296.67	-0.27	-4.95	3.67e-03	0.62	0.08	-0.02
35	164	340.00	-0.40	-3.99	-0.11	0.01	0.01	-0.02
35	167	210.00	1.91	4.30	-0.16	-2.19	-0.04	0.01
35	167	253.33	1.91	4.30	-0.16	-2.15	-0.04	0.01
35	167	296.67	-0.26	5.15	-3.65e-03	-0.60	-0.08	0.02

35	167	340.00	-0.15	3.52	0.11	0.09	-0.01	0.02
35	177	210.00	0.25	47.41	-0.05	-10.92	-0.01	-0.04
35	177	253.33	0.25	47.41	-0.05	-10.88	-0.01	-0.04
35	177	296.67	-0.27	56.71	-9.15e-04	-6.84	-0.02	-0.04
35	177	340.00	0.03	41.80	0.01	-0.18	-2.70e-03	-0.03
35	184	210.00	-1.13	29.72	0.05	-6.27	0.01	-0.05
35	184	253.33	-1.13	29.72	0.05	-6.23	0.01	-0.05
35	184	296.67	-0.27	35.55	1.14e-03	-4.28	0.03	-0.05
35	184	340.00	-0.13	26.11	-0.05	-0.12	5.69e-03	-0.04
35	196	210.00	-2.74	-4.08	0.16	2.09	0.03	-0.02
35	196	253.33	-2.74	-4.08	0.16	2.12	0.03	-0.02
35	196	296.67	-0.27	-4.89	3.63e-03	0.61	0.07	-0.02
35	196	340.00	-0.40	-3.94	-0.11	0.01	0.01	-0.02
35	199	210.00	1.88	4.25	-0.16	-2.17	-0.03	0.02
35	199	253.33	1.88	4.25	-0.16	-2.13	-0.04	0.01
35	199	296.67	-0.26	5.09	-3.61e-03	-0.59	-0.07	0.02
35	199	340.00	-0.15	3.47	0.10	0.09	-0.01	0.02
35	209	210.00	0.36	55.47	-0.06	-12.77	-0.01	-0.05
35	209	253.33	0.36	55.47	-0.06	-12.74	-0.01	-0.05
35	209	296.67	-0.27	66.34	-1.03e-03	-8.01	-0.02	-0.05
35	209	340.00	0.09	48.96	0.02	-0.21	-3.13e-03	-0.03
35	216	210.00	-1.25	35.75	0.05	-7.55	0.01	-0.06
35	216	253.33	-1.25	35.75	0.05	-7.51	0.01	-0.06
35	216	296.67	-0.27	42.77	1.29e-03	-5.15	0.03	-0.06
35	216	340.00	-0.10	31.47	-0.06	-0.15	6.67e-03	-0.05
35	228	210.00	-3.13	-4.75	0.18	2.44	0.04	-0.02
35	228	253.33	-3.13	-4.75	0.18	2.48	0.04	-0.02
35	228	296.67	-0.27	-5.69	4.10e-03	0.71	0.09	-0.02
35	228	340.00	-0.42	-4.54	-0.12	5.00e-03	0.02	-0.03
35	231	210.00	2.27	4.92	-0.18	-2.52	-0.04	0.02
35	231	253.33	2.27	4.92	-0.18	-2.48	-0.04	0.02
35	231	296.67	-0.26	5.90	-4.08e-03	-0.69	-0.09	0.02
35	231	340.00	-0.13	4.07	0.12	0.10	-0.02	0.03
M_S								
			N memb.	V memb.	V orto	M memb.	M orto	T
			-3.13	-5.69	-0.18	-12.77	-0.09	-0.06
			2.27	66.34	0.18	2.48	0.09	0.03

Macro	Tipo	Angolo 1-Z (gradi)
36	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
36	4	0.0	-80.08	-4.80	0.01	-62.75	0.0	2.71e-03
36	4	40.00	-80.08	-4.80	0.01	-64.67	4.19e-03	4.33e-03
36	4	80.00	-72.98	-4.86	0.03	-59.09	0.01	3.94e-03
36	4	120.00	-67.15	-4.91	0.02	-55.10	0.02	2.57e-03
36	4	165.00	-61.86	-4.95	0.02	-52.13	0.03	5.02e-04
36	4	210.00	-56.93	-4.98	7.63e-03	-49.70	0.04	-2.08e-03
36	4	253.33	-51.98	-6.71	-6.94e-03	-49.44	0.03	-5.06e-03
36	4	296.67	-47.88	-8.31	-0.03	-50.64	0.02	-7.44e-03
36	4	340.00	-36.01	-9.47	-0.04	-43.04	0.0	-6.72e-03
36	19	0.0	-40.05	-2.18	-0.01	-29.23	0.0	-6.24e-04
36	19	40.00	-40.05	-2.18	-0.01	-30.11	-4.61e-03	-8.27e-04
36	19	80.00	-35.77	-2.21	6.37e-03	-26.67	-2.06e-03	1.79e-04
36	19	120.00	-32.04	-2.23	0.01	-23.92	2.24e-03	2.90e-04
36	19	165.00	-28.48	-2.25	0.01	-21.56	7.34e-03	-4.61e-05
36	19	210.00	-25.01	-2.26	8.04e-03	-19.37	0.01	-8.10e-04
36	19	253.33	-21.36	-2.97	2.38e-03	-18.34	0.01	-1.95e-03
36	19	296.67	-18.14	-3.51	-0.01	-17.78	7.46e-03	-2.96e-03
36	19	340.00	-12.39	-3.88	-0.02	-14.33	0.0	-2.85e-03
36	44	0.0	-55.02	-3.02	0.05	-39.04	0.0	7.79e-03
36	44	40.00	-55.02	-3.02	0.05	-40.25	0.02	0.01
36	44	80.00	-51.23	-3.05	0.04	-38.04	0.04	8.58e-03
36	44	120.00	-48.36	-3.08	0.02	-37.00	0.04	5.53e-03
36	44	165.00	-45.97	-3.11	0.01	-36.79	0.05	2.07e-03
36	44	210.00	-43.91	-3.14	-7.80e-06	-37.09	0.05	-1.48e-03
36	44	253.33	-41.70	-4.51	-0.01	-39.18	0.04	-5.02e-03
36	44	296.67	-40.17	-5.84	-0.04	-42.39	0.02	-7.80e-03
36	44	340.00	-31.73	-6.86	-0.06	-37.80	0.0	-7.77e-03
36	68	0.0	-56.49	-3.33	8.43e-03	-43.62	0.0	2.07e-03
36	68	40.00	-56.49	-3.33	8.43e-03	-44.95	3.37e-03	3.30e-03
36	68	80.00	-51.47	-3.37	0.02	-41.06	0.01	2.94e-03
36	68	120.00	-47.35	-3.41	0.02	-38.30	0.02	1.93e-03

36	68	165.00	-43.60	-3.43	0.01	-36.24	0.02	4.20e-04
36	68	210.00	-40.10	-3.45	5.48e-03	-34.56	0.03	-1.45e-03
36	68	253.33	-36.55	-4.67	-4.83e-03	-34.44	0.02	-3.60e-03
36	68	296.67	-33.60	-5.78	-0.02	-35.33	0.01	-5.33e-03
36	68	340.00	-25.23	-6.59	-0.03	-30.08	0.0	-4.89e-03
36	72	0.0	-38.20	-2.05	-2.87e-03	-27.32	0.0	4.55e-04
36	72	40.00	-38.20	-2.05	-2.87e-03	-28.14	-1.15e-03	8.10e-04
36	72	80.00	-34.35	-2.07	9.63e-03	-25.19	2.70e-03	1.18e-03
36	72	120.00	-31.05	-2.09	0.01	-22.91	7.17e-03	8.93e-04
36	72	165.00	-27.92	-2.11	0.01	-21.03	0.01	2.09e-04
36	72	210.00	-24.91	-2.12	6.49e-03	-19.35	0.01	-8.27e-04
36	72	253.33	-21.71	-2.85	4.19e-04	-18.81	0.01	-2.17e-03
36	72	296.67	-18.94	-3.41	-0.01	-18.76	9.16e-03	-3.31e-03
36	72	340.00	-13.39	-3.82	-0.02	-15.56	0.0	-3.25e-03
36	88	0.0	-39.78	-2.14	0.04	-27.81	0.0	5.46e-03
36	88	40.00	-39.78	-2.14	0.04	-28.67	0.01	8.44e-03
36	88	80.00	-36.97	-2.17	0.03	-27.04	0.02	6.04e-03
36	88	120.00	-34.82	-2.19	0.02	-26.23	0.03	3.90e-03
36	88	165.00	-33.00	-2.21	7.91e-03	-26.01	0.03	1.47e-03
36	88	210.00	-31.42	-2.23	3.83e-04	-26.15	0.03	-1.05e-03
36	88	253.33	-29.69	-3.21	-9.35e-03	-27.60	0.03	-3.58e-03
36	88	296.67	-28.46	-4.13	-0.03	-29.84	0.02	-5.58e-03
36	88	340.00	-22.37	-4.86	-0.04	-26.58	0.0	-5.58e-03
36	98	0.0	-44.67	-2.50	0.02	-32.68	0.0	2.95e-03
36	98	40.00	-44.67	-2.50	0.02	-33.68	6.55e-03	4.61e-03
36	98	80.00	-40.91	-2.53	0.02	-31.01	0.01	3.62e-03
36	98	120.00	-37.86	-2.55	0.01	-29.23	0.02	2.35e-03
36	98	165.00	-35.11	-2.57	9.65e-03	-28.03	0.02	7.09e-04
36	98	210.00	-32.57	-2.59	3.42e-03	-27.15	0.03	-1.16e-03
36	98	253.33	-29.91	-3.58	-5.44e-03	-27.62	0.02	-3.20e-03
36	98	296.67	-27.76	-4.48	-0.02	-28.87	0.01	-4.84e-03
36	98	340.00	-21.08	-5.15	-0.03	-24.99	0.0	-4.65e-03
36	102	0.0	-32.66	-1.65	0.01	-21.95	0.0	2.04e-03
36	102	40.00	-32.66	-1.65	0.01	-22.61	4.05e-03	3.20e-03
36	102	80.00	-29.71	-1.67	0.01	-20.61	9.55e-03	2.60e-03
36	102	120.00	-27.23	-1.69	0.01	-19.20	0.01	1.75e-03
36	102	165.00	-24.94	-1.70	8.14e-03	-18.16	0.02	5.99e-04
36	102	210.00	-22.77	-1.71	3.91e-03	-17.34	0.02	-7.68e-04
36	102	253.33	-20.39	-2.39	-2.27e-03	-17.60	0.02	-2.31e-03
36	102	296.67	-18.40	-2.94	-0.02	-18.30	0.01	-3.60e-03
36	102	340.00	-13.56	-3.36	-0.03	-15.77	0.0	-3.66e-03
36	105	0.0	-41.39	-2.27	0.02	-29.63	0.0	3.36e-03
36	105	40.00	-41.39	-2.27	0.02	-30.54	7.83e-03	5.23e-03
36	105	80.00	-38.00	-2.29	0.02	-28.23	0.02	3.98e-03
36	105	120.00	-35.27	-2.31	0.01	-26.75	0.02	2.59e-03
36	105	165.00	-32.82	-2.33	8.94e-03	-25.81	0.03	8.59e-04
36	105	210.00	-30.57	-2.35	2.78e-03	-25.18	0.03	-1.07e-03
36	105	253.33	-28.18	-3.28	-5.80e-03	-25.85	0.02	-3.13e-03
36	105	296.67	-26.27	-4.13	-0.02	-27.23	0.01	-4.78e-03
36	105	340.00	-20.05	-4.77	-0.03	-23.74	0.0	-4.68e-03
36	106	0.0	-31.28	-1.55	0.01	-20.61	0.0	2.43e-03
36	106	40.00	-31.28	-1.55	0.01	-21.23	5.36e-03	3.80e-03
36	106	80.00	-28.55	-1.57	0.01	-19.46	0.01	2.95e-03
36	106	120.00	-26.28	-1.59	0.01	-18.27	0.02	1.96e-03
36	106	165.00	-24.20	-1.60	7.60e-03	-17.45	0.02	6.97e-04
36	106	210.00	-22.23	-1.61	3.26e-03	-16.84	0.02	-7.54e-04
36	106	253.33	-20.06	-2.28	-2.95e-03	-17.29	0.02	-2.35e-03
36	106	296.67	-18.26	-2.82	-0.02	-18.19	0.01	-3.67e-03
36	106	340.00	-13.60	-3.24	-0.03	-15.82	0.0	-3.76e-03
36	107	0.0	-42.76	-2.36	0.02	-30.95	0.0	2.88e-03
36	107	40.00	-42.76	-2.36	0.02	-31.90	6.38e-03	4.50e-03
36	107	80.00	-39.15	-2.39	0.02	-29.36	0.01	3.52e-03
36	107	120.00	-36.21	-2.41	0.01	-27.67	0.02	2.29e-03
36	107	165.00	-33.55	-2.44	9.36e-03	-26.52	0.02	7.07e-04
36	107	210.00	-31.10	-2.45	3.39e-03	-25.68	0.03	-1.10e-03
36	107	253.33	-28.50	-3.40	-5.08e-03	-26.15	0.02	-3.08e-03
36	107	296.67	-26.40	-4.25	-0.02	-27.35	0.01	-4.68e-03
36	107	340.00	-20.01	-4.88	-0.03	-23.68	0.0	-4.52e-03
36	114	0.0	-73.60	-73.12	0.05	49.80	3.24e-03	0.02
36	114	40.00	-73.60	-73.12	0.05	48.86	9.62e-03	0.02
36	114	80.00	-52.67	-73.10	0.03	24.99	0.04	0.03
36	114	120.00	-44.98	-73.06	0.06	13.75	0.07	0.04
36	114	165.00	-36.22	-64.30	0.07	0.55	0.11	0.05
36	114	210.00	-23.06	-64.14	0.02	-18.60	0.14	0.06
36	114	253.33	-21.11	-48.02	-0.15	-21.18	0.21	0.08

36	114	296.67	-15.20	-47.78	-0.19	-16.31	0.02	0.09
36	114	340.00	-14.26	-49.87	-0.01	-15.66	-7.85e-03	0.09
36	117	0.0	-9.98	55.35	0.04	-89.95	-8.34e-03	-0.01
36	117	40.00	-9.98	55.35	0.04	-90.90	-1.97e-03	-0.01
36	117	80.00	-23.14	55.35	-0.03	-65.93	-0.02	-0.02
36	117	120.00	-24.45	51.79	-0.06	-55.12	-0.06	-0.03
36	117	165.00	-25.98	46.62	-0.08	-43.52	-0.09	-0.05
36	117	210.00	-34.39	46.29	-0.04	-27.69	-0.12	-0.07
36	117	253.33	-30.92	32.16	0.09	-29.41	-0.19	-0.09
36	117	296.67	-36.20	28.84	0.15	-37.00	-0.12	-0.10
36	117	340.00	-25.06	28.76	0.02	-30.92	-0.01	-0.10
36	125	0.0	41.27	39.19	-0.26	-15.80	-0.06	0.04
36	125	40.00	41.27	39.19	-0.26	-16.75	-0.05	0.04
36	125	80.00	1.54	39.32	-0.26	17.03	-0.16	0.03
36	125	120.00	2.93	27.62	-0.21	6.36	-0.26	0.02
36	125	165.00	0.80	10.69	-0.19	-3.38	-0.33	4.89e-03
36	125	210.00	-17.79	9.60	-0.04	0.13	-0.37	-0.05
36	125	253.33	-16.93	6.75	0.23	-16.42	-0.37	-0.07
36	125	296.67	-25.87	4.82	0.29	-28.83	-0.23	-0.08
36	125	340.00	-23.77	5.65	0.39	-29.45	-0.10	-0.08
36	126	0.0	-126.78	-43.92	0.30	-46.11	0.06	-0.03
36	126	40.00	-126.78	-43.92	0.30	-47.05	0.06	-0.03
36	126	80.00	-79.83	-44.10	0.30	-75.76	0.19	-0.02
36	126	120.00	-75.34	-32.45	0.24	-61.70	0.30	-0.01
36	126	165.00	-67.91	-15.57	0.21	-49.66	0.38	-3.48e-03
36	126	210.00	-44.40	-14.50	0.05	-51.49	0.42	0.04
36	126	253.33	-40.08	-13.54	-0.24	-35.88	0.42	0.06
36	126	296.67	-26.93	-13.31	-0.33	-25.86	0.26	0.07
36	126	340.00	-16.25	-15.41	-0.45	-17.91	0.10	0.07
36	146	0.0	-77.54	-82.07	0.05	59.98	3.60e-03	0.02
36	146	40.00	-77.54	-82.07	0.05	59.03	9.97e-03	0.02
36	146	80.00	-54.42	-82.04	0.03	31.84	0.04	0.03
36	146	120.00	-46.12	-82.00	0.07	18.96	0.08	0.04
36	146	165.00	-36.58	-72.13	0.08	3.95	0.12	0.05
36	146	210.00	-22.06	-71.95	0.02	-17.71	0.15	0.07
36	146	253.33	-20.19	-53.67	-0.16	-20.56	0.24	0.09
36	146	296.67	-13.79	-53.29	-0.21	-14.92	0.02	0.10
36	146	340.00	-13.53	-55.57	-7.60e-03	-14.65	-8.91e-03	0.10
36	149	0.0	-5.47	62.81	0.04	-97.24	-9.24e-03	-0.02
36	149	40.00	-5.47	62.81	0.04	-98.19	-2.87e-03	-0.02
36	149	80.00	-20.79	62.80	-0.03	-70.40	-0.03	-0.03
36	149	120.00	-22.70	58.81	-0.07	-58.46	-0.07	-0.04
36	149	165.00	-24.83	52.99	-0.09	-45.54	-0.11	-0.05
36	149	210.00	-34.67	52.62	-0.05	-27.83	-0.14	-0.08
36	149	253.33	-31.15	36.78	0.10	-29.77	-0.22	-0.10
36	149	296.67	-37.47	33.15	0.17	-38.25	-0.13	-0.11
36	149	340.00	-25.73	33.14	0.03	-31.88	-0.01	-0.11
36	157	0.0	51.82	44.45	-0.30	-13.93	-0.06	0.04
36	157	40.00	51.82	44.45	-0.30	-14.87	-0.06	0.04
36	157	80.00	6.65	44.60	-0.29	22.83	-0.18	0.03
36	157	120.00	7.84	31.44	-0.24	10.62	-0.29	0.02
36	157	165.00	5.11	12.39	-0.22	-0.49	-0.37	5.44e-03
36	157	210.00	-16.13	11.16	-0.05	3.37	-0.42	-0.05
36	157	253.33	-15.48	8.06	0.26	-15.20	-0.42	-0.07
36	157	296.67	-25.82	6.00	0.33	-29.03	-0.26	-0.09
36	157	340.00	-24.26	7.01	0.44	-30.19	-0.11	-0.09
36	158	0.0	-137.33	-49.18	0.33	-47.98	0.06	-0.04
36	158	40.00	-137.33	-49.18	0.33	-48.92	0.07	-0.03
36	158	80.00	-84.94	-49.38	0.33	-81.56	0.21	-0.03
36	158	120.00	-80.25	-36.27	0.26	-65.95	0.33	-0.01
36	158	165.00	-72.22	-17.26	0.24	-52.55	0.42	-4.03e-03
36	158	210.00	-46.07	-16.06	0.05	-54.73	0.47	0.05
36	158	253.33	-41.53	-14.85	-0.27	-37.09	0.47	0.07
36	158	296.67	-26.99	-14.49	-0.37	-25.66	0.29	0.08
36	158	340.00	-15.76	-16.77	-0.50	-17.17	0.11	0.08
36	178	0.0	-79.34	-81.49	0.05	57.05	3.50e-03	0.02
36	178	40.00	-79.34	-81.49	0.05	56.11	9.88e-03	0.02
36	178	80.00	-56.10	-81.45	0.03	29.48	0.04	0.03
36	178	120.00	-47.56	-81.40	0.07	17.04	0.08	0.04
36	178	165.00	-37.75	-71.62	0.08	2.50	0.12	0.05
36	178	210.00	-23.00	-71.43	0.02	-18.59	0.15	0.07
36	178	253.33	-20.72	-53.34	-0.16	-20.99	0.23	0.09
36	178	296.67	-13.98	-52.97	-0.20	-15.07	0.02	0.10
36	178	340.00	-13.47	-55.23	-8.97e-03	-14.61	-8.54e-03	0.10
36	181	0.0	-2.09	63.65	0.04	-94.81	-8.22e-03	-0.02

36	181	40.00	-2.09	63.65	0.04	-95.76	-1.84e-03	-0.02
36	181	80.00	-17.78	63.64	-0.03	-68.34	-0.02	-0.03
36	181	120.00	-20.21	59.68	-0.07	-56.62	-0.06	-0.04
36	181	165.00	-22.96	53.91	-0.09	-43.99	-0.10	-0.05
36	181	210.00	-33.25	53.55	-0.05	-26.60	-0.13	-0.08
36	181	253.33	-30.45	37.54	0.10	-29.18	-0.21	-0.10
36	181	296.67	-37.64	33.89	0.17	-38.46	-0.13	-0.11
36	181	340.00	-26.00	33.88	0.03	-32.19	-0.01	-0.11
36	189	0.0	51.53	44.14	-0.28	-13.44	-0.06	0.04
36	189	40.00	51.53	44.14	-0.28	-14.38	-0.05	0.04
36	189	80.00	6.80	44.29	-0.28	22.84	-0.17	0.03
36	189	120.00	7.91	31.27	-0.23	10.66	-0.28	0.02
36	189	165.00	5.11	12.46	-0.21	-0.41	-0.36	5.33e-03
36	189	210.00	-16.01	11.26	-0.05	3.31	-0.40	-0.05
36	189	253.33	-15.49	8.17	0.25	-15.23	-0.41	-0.07
36	189	296.67	-25.84	6.10	0.31	-29.06	-0.25	-0.09
36	189	340.00	-24.31	7.09	0.42	-30.24	-0.11	-0.09
36	190	0.0	-137.04	-48.86	0.31	-48.47	0.06	-0.04
36	190	40.00	-137.04	-48.86	0.31	-49.41	0.07	-0.03
36	190	80.00	-85.09	-49.07	0.32	-81.56	0.20	-0.02
36	190	120.00	-80.32	-36.10	0.26	-65.99	0.32	-0.01
36	190	165.00	-72.22	-17.33	0.23	-52.63	0.41	-3.92e-03
36	190	210.00	-46.18	-16.17	0.06	-54.67	0.45	0.05
36	190	253.33	-41.52	-14.96	-0.26	-37.07	0.45	0.07
36	190	296.67	-26.97	-14.59	-0.36	-25.63	0.28	0.08
36	190	340.00	-15.71	-16.85	-0.48	-17.12	0.11	0.08
36	210	0.0	-86.83	-95.05	0.06	70.80	4.21e-03	0.02
36	210	40.00	-86.83	-95.05	0.06	69.86	0.01	0.03
36	210	80.00	-60.10	-95.00	0.03	38.45	0.04	0.04
36	210	120.00	-50.42	-94.92	0.08	23.76	0.09	0.05
36	210	165.00	-39.19	-83.48	0.10	6.75	0.13	0.06
36	210	210.00	-22.15	-83.25	0.03	-17.86	0.17	0.08
36	210	253.33	-19.67	-61.92	-0.19	-20.34	0.27	0.10
36	210	296.67	-11.89	-61.35	-0.23	-12.99	0.02	0.11
36	210	340.00	-12.29	-63.88	-6.65e-03	-13.00	-9.70e-03	0.11
36	213	0.0	6.86	76.67	0.05	-106.25	-9.33e-03	-0.02
36	213	40.00	6.86	76.67	0.05	-107.19	-2.96e-03	-0.02
36	213	80.00	-12.45	76.66	-0.04	-75.31	-0.03	-0.04
36	213	120.00	-16.17	72.02	-0.09	-61.65	-0.08	-0.05
36	213	165.00	-20.24	65.30	-0.11	-46.82	-0.13	-0.07
36	213	210.00	-33.08	64.87	-0.06	-26.37	-0.16	-0.10
36	213	253.33	-30.58	45.84	0.12	-29.57	-0.26	-0.12
36	213	296.67	-39.94	41.64	0.21	-40.73	-0.16	-0.14
36	213	340.00	-27.27	41.74	0.04	-33.97	-0.01	-0.14
36	221	0.0	67.60	52.13	-0.33	-10.35	-0.07	0.05
36	221	40.00	67.60	52.13	-0.33	-11.30	-0.07	0.05
36	221	80.00	14.73	52.31	-0.33	31.72	-0.20	0.03
36	221	120.00	15.51	37.12	-0.27	17.19	-0.33	0.02
36	221	165.00	11.73	15.16	-0.25	4.05	-0.42	6.26e-03
36	221	210.00	-13.41	13.79	-0.06	8.25	-0.48	-0.06
36	221	253.33	-13.28	10.30	0.29	-13.38	-0.48	-0.09
36	221	296.67	-25.81	8.02	0.37	-29.43	-0.30	-0.10
36	221	340.00	-25.11	9.28	0.50	-31.43	-0.13	-0.10
36	222	0.0	-153.12	-56.86	0.36	-51.56	0.07	-0.04
36	222	40.00	-153.12	-56.86	0.36	-52.50	0.08	-0.04
36	222	80.00	-93.03	-57.10	0.37	-90.45	0.23	-0.03
36	222	120.00	-87.92	-41.95	0.30	-72.53	0.37	-0.01
36	222	165.00	-78.84	-20.03	0.27	-57.09	0.47	-4.84e-03
36	222	210.00	-48.78	-18.69	0.06	-59.61	0.53	0.06
36	222	253.33	-43.73	-17.09	-0.30	-38.91	0.52	0.08
36	222	296.67	-26.99	-16.51	-0.41	-25.26	0.32	0.09
36	222	340.00	-14.91	-19.04	-0.56	-15.93	0.13	0.09

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-153.12	-95.05	-0.56	-107.19	-0.48	-0.14
	67.60	76.67	0.50	70.80	0.53	0.11

Macro	Tipo	Angolo 1-Z (gradi)
37	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
37	4	210.00	-0.60	0.70	-4.90e-03	-0.19	0.0	-8.89e-04
37	4	253.33	-0.60	0.70	-4.90e-03	0.11	-2.12e-03	-1.21e-03

37	4	296.67	-0.33	1.26	-5.47e-04	0.27	-2.36e-03	-9.34e-04
37	4	340.00	-0.37	0.95	-9.08e-04	0.06	1.59e-05	-6.26e-04
37	41	210.00	-0.57	0.26	-3.63e-03	-0.06	0.0	1.14e-03
37	41	253.33	-0.57	0.26	-3.63e-03	0.05	-1.57e-03	1.92e-03
37	41	296.67	-0.33	0.53	-2.61e-05	0.12	-1.58e-03	1.85e-03
37	41	340.00	-0.37	0.22	-2.63e-03	0.06	2.01e-05	8.52e-04
37	48	210.00	-0.44	0.41	-3.59e-03	-0.10	0.0	1.00e-03
37	48	253.33	-0.44	0.41	-3.59e-03	0.07	-1.56e-03	1.72e-03
37	48	296.67	-0.24	0.80	-3.11e-05	0.18	-1.57e-03	1.70e-03
37	48	340.00	-0.28	0.60	-2.94e-03	0.05	3.06e-05	7.62e-04
37	68	210.00	-0.46	0.49	-3.53e-03	-0.13	0.0	-5.88e-04
37	68	253.33	-0.46	0.49	-3.53e-03	0.08	-1.53e-03	-7.90e-04
37	68	296.67	-0.26	0.88	-3.86e-04	0.18	-1.70e-03	-5.97e-04
37	68	340.00	-0.28	0.63	-7.16e-04	0.05	1.18e-05	-4.12e-04
37	85	210.00	-0.44	0.19	-2.68e-03	-0.05	0.0	7.63e-04
37	85	253.33	-0.44	0.19	-2.68e-03	0.04	-1.16e-03	1.30e-03
37	85	296.67	-0.25	0.39	-3.87e-05	0.09	-1.18e-03	1.26e-03
37	85	340.00	-0.28	0.14	-1.87e-03	0.05	1.46e-05	5.74e-04
37	88	210.00	-0.44	0.36	-3.26e-03	-0.09	0.0	6.61e-04
37	88	253.33	-0.44	0.36	-3.26e-03	0.06	-1.41e-03	1.17e-03
37	88	296.67	-0.25	0.70	-9.04e-05	0.15	-1.45e-03	1.18e-03
37	88	340.00	-0.28	0.48	-2.35e-03	0.05	2.57e-05	5.10e-04
37	98	210.00	-0.45	0.38	-2.91e-03	-0.10	0.0	-9.37e-05
37	98	253.33	-0.45	0.38	-2.91e-03	0.06	-1.26e-03	-1.68e-05
37	98	296.67	-0.25	0.70	-2.41e-04	0.15	-1.37e-03	1.03e-04
37	98	340.00	-0.28	0.45	-1.52e-03	0.05	2.36e-05	-3.85e-05
37	103	210.00	-0.45	0.36	-2.95e-03	-0.10	0.0	-2.29e-04
37	103	253.33	-0.45	0.36	-2.95e-03	0.06	-1.28e-03	-2.39e-04
37	103	296.67	-0.26	0.67	-2.74e-04	0.14	-1.40e-03	-1.08e-04
37	103	340.00	-0.28	0.41	-1.11e-03	0.05	1.64e-05	-1.44e-04
37	104	210.00	-0.44	0.22	-2.47e-03	-0.06	0.0	1.47e-04
37	104	253.33	-0.44	0.22	-2.47e-03	0.04	-1.07e-03	3.29e-04
37	104	296.67	-0.26	0.42	-1.64e-04	0.09	-1.14e-03	3.87e-04
37	104	340.00	-0.28	0.16	-1.24e-03	0.05	1.40e-05	1.28e-04
37	105	210.00	-0.45	0.35	-2.89e-03	-0.09	0.0	7.27e-05
37	105	253.33	-0.45	0.35	-2.89e-03	0.06	-1.25e-03	2.40e-04
37	105	296.67	-0.25	0.65	-2.03e-04	0.14	-1.34e-03	3.31e-04
37	105	340.00	-0.28	0.41	-1.61e-03	0.05	2.23e-05	8.09e-05
37	106	210.00	-0.44	0.23	-2.42e-03	-0.06	0.0	-7.03e-06
37	106	253.33	-0.44	0.23	-2.42e-03	0.04	-1.05e-03	8.76e-05
37	106	296.67	-0.26	0.43	-1.95e-04	0.09	-1.13e-03	1.68e-04
37	106	340.00	-0.28	0.16	-1.09e-03	0.05	1.38e-05	1.61e-05
37	107	210.00	-0.45	0.36	-2.84e-03	-0.09	0.0	-8.13e-05
37	107	253.33	-0.45	0.36	-2.84e-03	0.06	-1.23e-03	-1.88e-06
37	107	296.67	-0.25	0.66	-2.35e-04	0.14	-1.33e-03	1.12e-04
37	107	340.00	-0.28	0.41	-1.46e-03	0.05	2.22e-05	-3.07e-05
37	108	210.00	-0.67	42.92	9.21e-03	-10.53	7.63e-03	-0.04
37	108	253.33	-0.67	42.92	9.21e-03	-10.38	6.39e-03	-0.04
37	108	296.67	-0.66	51.58	7.50e-03	-6.72	0.01	-0.04
37	108	340.00	-0.10	38.24	-0.05	-0.15	6.11e-03	-0.03
37	123	210.00	-1.28	-34.59	9.37e-04	7.36	-4.17e-03	0.04
37	123	253.33	-1.28	-34.59	9.37e-04	7.51	-5.41e-03	0.04
37	123	296.67	0.13	-41.18	-5.70e-03	5.82	-0.01	0.04
37	123	340.00	-0.42	-30.72	0.02	0.20	-4.45e-03	0.03
37	133	210.00	-3.80	-3.28	-0.14	-2.98	-0.03	-4.43e-03
37	133	253.33	-3.80	-3.28	-0.14	-2.82	-0.03	-4.36e-03
37	133	296.67	0.76	-3.72	2.38e-03	1.26	-0.06	2.58e-03
37	133	340.00	-0.02	-2.88	0.07	-0.04	-0.01	4.25e-03
37	134	210.00	2.90	3.99	0.14	2.79	0.03	4.26e-03
37	134	253.33	2.90	3.99	0.14	2.94	0.03	4.36e-03
37	134	296.67	-1.27	5.04	-2.85e-03	-0.98	0.06	-2.36e-03
37	134	340.00	-0.55	3.69	-0.08	0.13	0.01	-4.31e-03
37	140	210.00	-0.70	48.30	0.01	-11.85	8.54e-03	-0.04
37	140	253.33	-0.70	48.30	0.01	-11.70	7.31e-03	-0.04
37	140	296.67	-0.71	58.02	8.47e-03	-7.59	0.02	-0.04
37	140	340.00	-0.07	43.02	-0.06	-0.18	6.86e-03	-0.03
37	155	210.00	-1.38	-39.08	1.84e-03	8.32	-4.65e-03	0.05
37	155	253.33	-1.38	-39.08	1.84e-03	8.47	-5.88e-03	0.05
37	155	296.67	0.18	-46.56	-6.34e-03	6.55	-0.01	0.05
37	155	340.00	-0.44	-34.72	0.02	0.22	-4.97e-03	0.04
37	165	210.00	-4.22	-3.73	-0.16	-3.34	-0.03	-4.96e-03
37	165	253.33	-4.22	-3.73	-0.16	-3.19	-0.03	-4.90e-03
37	165	296.67	0.89	-4.26	2.71e-03	1.40	-0.06	2.93e-03
37	165	340.00	0.02	-3.28	0.08	-0.05	-0.01	4.83e-03
37	166	210.00	3.32	4.44	0.15	3.15	0.03	4.80e-03

37	166	253.33	3.32	4.44	0.15	3.30	0.03	4.90e-03
37	166	296.67	-1.40	5.58	-3.18e-03	-1.11	0.06	-2.71e-03
37	166	340.00	-0.58	4.10	-0.08	0.15	0.01	-4.89e-03
37	172	210.00	-0.70	47.84	8.86e-03	-11.74	8.21e-03	-0.04
37	172	253.33	-0.70	47.84	8.86e-03	-11.59	6.98e-03	-0.04
37	172	296.67	-0.70	57.47	8.22e-03	-7.52	0.02	-0.04
37	172	340.00	-0.07	42.61	-0.06	-0.17	6.59e-03	-0.03
37	187	210.00	-1.37	-39.40	5.27e-03	8.41	-4.21e-03	0.05
37	187	253.33	-1.37	-39.40	5.27e-03	8.57	-5.44e-03	0.05
37	187	296.67	0.17	-46.94	-5.85e-03	6.60	-0.01	0.05
37	187	340.00	-0.44	-35.01	0.02	0.23	-4.60e-03	0.04
37	197	210.00	-4.18	-3.68	-0.15	-3.31	-0.03	-4.71e-03
37	197	253.33	-4.18	-3.68	-0.15	-3.16	-0.03	-4.67e-03
37	197	296.67	0.87	-4.20	2.72e-03	1.38	-0.06	3.18e-03
37	197	340.00	0.01	-3.24	0.08	-0.05	-0.01	5.09e-03
37	198	210.00	3.28	4.39	0.15	3.12	0.03	4.55e-03
37	198	253.33	3.28	4.39	0.15	3.27	0.03	4.67e-03
37	198	296.67	-1.38	5.52	-3.19e-03	-1.10	0.06	-2.96e-03
37	198	340.00	-0.58	4.06	-0.08	0.14	0.01	-5.15e-03
37	204	210.00	-0.74	55.92	0.01	-13.72	9.54e-03	-0.05
37	204	253.33	-0.74	55.92	0.01	-13.57	8.31e-03	-0.05
37	204	296.67	-0.78	67.13	9.56e-03	-8.82	0.02	-0.05
37	204	340.00	-0.04	49.79	-0.06	-0.21	7.61e-03	-0.04
37	219	210.00	-1.52	-47.13	9.24e-03	10.10	-4.66e-03	0.06
37	219	253.33	-1.52	-47.13	9.24e-03	10.26	-5.89e-03	0.06
37	219	296.67	0.24	-56.20	-6.66e-03	7.85	-0.01	0.06
37	219	340.00	-0.47	-41.90	0.02	0.26	-5.25e-03	0.04
37	229	210.00	-4.81	-4.33	-0.18	-3.86	-0.04	-5.41e-03
37	229	253.33	-4.81	-4.33	-0.18	-3.70	-0.04	-5.39e-03
37	229	296.67	1.06	-4.99	3.37e-03	1.59	-0.07	3.93e-03
37	229	340.00	0.06	-3.83	0.09	-0.07	-0.01	6.19e-03
37	230	210.00	3.91	5.04	0.17	3.67	0.04	5.25e-03
37	230	253.33	3.91	5.04	0.17	3.82	0.04	5.39e-03
37	230	296.67	-1.57	6.31	-3.84e-03	-1.31	0.07	-3.70e-03
37	230	340.00	-0.63	4.65	-0.09	0.16	0.01	-6.25e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-4.81	-56.20	-0.18	-13.72	-0.07	-0.05
	3.91	67.13	0.17	10.26	0.07	0.06

Macro	Tipo	Angolo 1-Z (gradi)
38	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
38	18	0.0	-540.02	-29.68	8.45e-03	21.01	0.0	9.37e-05
38	18	40.00	-540.02	-29.68	8.45e-03	32.88	3.38e-03	1.94e-04
38	18	80.00	-556.10	-29.16	9.01e-03	39.51	6.98e-03	1.85e-04
38	18	120.00	-568.07	-28.37	0.01	45.27	0.01	3.41e-04
38	18	165.00	-578.13	-27.34	0.02	51.55	0.02	4.04e-04
38	18	210.00	-586.88	-26.21	0.01	56.99	0.03	4.10e-04
38	18	253.33	-593.52	-25.19	-4.52e-03	61.51	0.02	1.89e-04
38	18	296.67	-596.48	-24.42	-0.02	64.88	0.01	5.75e-05
38	18	340.00	-462.81	-23.89	-0.03	26.90	2.03e-04	-1.51e-05
38	19	0.0	-207.88	-27.77	2.17e-03	-3.49	0.0	8.88e-05
38	19	40.00	-207.88	-27.77	2.17e-03	7.62	8.67e-04	1.99e-04
38	19	80.00	-213.43	-27.22	2.93e-03	11.21	2.04e-03	2.24e-04
38	19	120.00	-217.40	-26.40	5.48e-03	14.62	4.23e-03	3.47e-04
38	19	165.00	-220.60	-25.34	6.68e-03	18.75	7.24e-03	3.92e-04
38	19	210.00	-223.26	-24.18	5.64e-03	22.28	9.77e-03	3.92e-04
38	19	253.33	-225.13	-23.11	-1.88e-03	25.28	8.96e-03	2.86e-04
38	19	296.67	-225.61	-22.25	-8.75e-03	27.92	5.16e-03	2.46e-04
38	19	340.00	-174.45	-21.62	-0.01	10.30	7.29e-05	1.73e-04
38	28	0.0	-643.41	10.49	0.01	72.34	0.0	1.02e-04
38	28	40.00	-643.41	10.49	0.01	68.15	5.27e-03	1.11e-04
38	28	80.00	-663.17	10.23	0.01	74.68	0.01	-5.15e-06
38	28	120.00	-677.91	9.90	0.01	79.38	0.02	1.48e-05
38	28	165.00	-690.34	9.50	0.02	83.01	0.02	2.25e-05
38	28	210.00	-701.20	9.06	0.01	86.37	0.03	-8.78e-06
38	28	253.33	-709.49	8.60	-4.98e-03	88.92	0.03	-3.26e-04
38	28	296.67	-713.34	8.11	-0.03	89.72	0.02	-5.99e-04
38	28	340.00	-551.86	7.63	-0.04	41.45	2.71e-04	-5.79e-04
38	44	0.0	-562.09	20.73	0.01	78.77	0.0	1.49e-04
38	44	40.00	-562.09	20.73	0.01	70.48	4.87e-03	1.75e-04

38	44	80.00	-579.26	20.34	0.01	76.22	9.35e-03	4.33e-05
38	44	120.00	-592.01	19.84	0.01	80.05	0.01	3.39e-05
38	44	165.00	-602.70	19.23	0.01	82.46	0.02	2.40e-05
38	44	210.00	-611.99	18.55	0.01	84.76	0.03	-2.90e-05
38	44	253.33	-619.02	17.87	-4.31e-03	86.40	0.03	-3.64e-04
38	44	296.67	-622.16	17.21	-0.02	86.33	0.02	-6.61e-04
38	44	340.00	-480.26	16.57	-0.03	40.78	2.48e-04	-6.34e-04
38	72	0.0	-227.84	-19.26	3.22e-03	7.40	0.0	7.40e-05
38	72	40.00	-227.84	-19.26	3.22e-03	15.11	1.29e-03	1.51e-04
38	72	80.00	-234.10	-18.91	3.64e-03	18.68	2.74e-03	1.53e-04
38	72	120.00	-238.62	-18.37	5.67e-03	21.89	5.01e-03	2.39e-04
38	72	165.00	-242.28	-17.68	6.83e-03	25.49	8.09e-03	2.70e-04
38	72	210.00	-245.35	-16.91	5.84e-03	28.62	0.01	2.66e-04
38	72	253.33	-247.54	-16.22	-1.93e-03	31.26	9.88e-03	1.48e-04
38	72	296.67	-248.19	-15.68	-9.49e-03	33.41	5.76e-03	8.36e-05
38	72	340.00	-191.58	-15.31	-0.01	13.44	8.63e-05	3.68e-05
38	75	0.0	-380.51	-19.99	6.05e-03	16.72	0.0	6.80e-05
38	75	40.00	-380.51	-19.99	6.05e-03	24.72	2.42e-03	1.37e-04
38	75	80.00	-391.76	-19.65	6.40e-03	29.47	4.98e-03	1.26e-04
38	75	120.00	-400.10	-19.13	9.10e-03	33.57	8.62e-03	2.31e-04
38	75	165.00	-407.08	-18.44	0.01	37.98	0.01	2.72e-04
38	75	210.00	-413.14	-17.69	9.34e-03	41.83	0.02	2.74e-04
38	75	253.33	-417.70	-17.02	-3.16e-03	45.02	0.02	1.14e-04
38	75	296.67	-419.68	-16.51	-0.02	47.39	9.57e-03	1.53e-05
38	75	340.00	-325.37	-16.18	-0.02	19.78	1.45e-04	-3.23e-05
38	80	0.0	-449.43	6.79	9.21e-03	50.94	0.0	7.35e-05
38	80	40.00	-449.43	6.79	9.21e-03	48.23	3.68e-03	8.07e-05
38	80	80.00	-463.13	6.61	8.65e-03	52.91	7.14e-03	0.0
38	80	120.00	-473.33	6.38	0.01	56.30	0.01	1.30e-05
38	80	165.00	-481.89	6.12	0.01	58.96	0.02	1.80e-05
38	80	210.00	-489.35	5.82	0.01	61.42	0.02	-4.83e-06
38	80	253.33	-495.02	5.51	-3.47e-03	63.30	0.02	-2.30e-04
38	80	296.67	-497.58	5.17	-0.02	63.95	0.01	-4.23e-04
38	80	340.00	-384.74	4.84	-0.02	29.47	1.90e-04	-4.09e-04
38	88	0.0	-395.22	13.61	8.54e-03	55.23	0.0	1.05e-04
38	88	40.00	-395.22	13.61	8.54e-03	49.79	3.41e-03	1.24e-04
38	88	80.00	-407.20	13.35	7.86e-03	53.94	6.56e-03	3.16e-05
38	88	120.00	-416.06	13.01	8.94e-03	56.75	0.01	2.57e-05
38	88	165.00	-423.47	12.60	0.01	58.59	0.01	1.91e-05
38	88	210.00	-429.88	12.15	9.28e-03	60.34	0.02	-1.83e-05
38	88	253.33	-434.71	11.69	-3.02e-03	61.62	0.02	-2.55e-04
38	88	296.67	-436.79	11.23	-0.02	61.69	0.01	-4.64e-04
38	88	340.00	-337.00	10.80	-0.02	29.03	1.74e-04	-4.45e-04
38	98	0.0	-368.55	-2.67	7.20e-03	34.62	0.0	3.31e-05
38	98	40.00	-368.55	-2.67	7.20e-03	35.69	2.88e-03	3.13e-05
38	98	80.00	-379.55	-2.72	6.90e-03	39.93	5.64e-03	-2.03e-05
38	98	120.00	-387.67	-2.76	8.28e-03	43.24	8.95e-03	3.71e-06
38	98	165.00	-394.45	-2.79	9.74e-03	46.26	0.01	1.56e-05
38	98	210.00	-400.31	-2.84	8.51e-03	49.01	0.02	7.69e-06
38	98	253.33	-404.71	-2.92	-2.83e-03	51.23	0.02	-1.55e-04
38	98	296.67	-406.57	-3.04	-0.01	52.50	9.44e-03	-2.87e-04
38	98	340.00	-314.21	-3.19	-0.02	23.42	1.51e-04	-2.80e-04
38	102	0.0	-233.70	-5.49	4.40e-03	22.81	0.0	4.96e-05
38	102	40.00	-233.70	-5.49	4.40e-03	25.01	1.76e-03	7.25e-05
38	102	80.00	-240.26	-5.45	4.31e-03	28.32	3.48e-03	4.05e-05
38	102	120.00	-244.99	-5.37	5.39e-03	30.99	5.64e-03	6.63e-05
38	102	165.00	-248.82	-5.25	6.37e-03	33.58	8.51e-03	7.54e-05
38	102	210.00	-252.03	-5.13	5.56e-03	35.90	0.01	6.29e-05
38	102	253.33	-254.32	-5.03	-1.80e-03	37.83	0.01	-6.36e-05
38	102	296.67	-255.02	-5.00	-9.61e-03	39.14	6.06e-03	-1.60e-04
38	102	340.00	-196.22	-5.02	-0.01	17.10	9.74e-05	-1.65e-04
38	103	0.0	-348.03	-6.03	6.55e-03	29.63	0.0	4.07e-05
38	103	40.00	-348.03	-6.03	6.55e-03	32.04	2.62e-03	5.39e-05
38	103	80.00	-358.33	-5.99	6.39e-03	36.21	5.17e-03	1.24e-05
38	103	120.00	-365.92	-5.92	7.93e-03	39.54	8.34e-03	4.97e-05
38	103	165.00	-372.25	-5.81	9.35e-03	42.72	0.01	6.60e-05
38	103	210.00	-377.70	-5.69	8.15e-03	45.57	0.02	5.91e-05
38	103	253.33	-381.77	-5.62	-2.71e-03	47.90	0.02	-9.64e-05
38	103	296.67	-383.46	-5.61	-0.01	49.36	8.90e-03	-2.17e-04
38	103	340.00	-296.36	-5.66	-0.02	21.73	1.41e-04	-2.20e-04
38	105	0.0	-350.98	0.69	7.04e-03	37.33	0.0	4.81e-05
38	105	40.00	-350.98	0.69	7.04e-03	37.06	2.82e-03	5.14e-05
38	105	80.00	-361.42	0.61	6.68e-03	41.10	5.49e-03	-6.55e-06
38	105	120.00	-369.11	0.51	7.90e-03	44.17	8.65e-03	8.68e-06
38	105	165.00	-375.52	0.40	9.28e-03	46.84	0.01	1.53e-05

38	105	210.00	-381.04	0.27	8.13e-03	49.28	0.02	0.0
38	105	253.33	-385.17	0.13	-2.68e-03	51.22	0.02	-1.70e-04
38	105	296.67	-386.88	-0.06	-0.01	52.22	9.10e-03	-3.13e-04
38	105	340.00	-298.69	-0.26	-0.02	23.58	1.47e-04	-3.03e-04
38	106	0.0	-235.17	-2.05	4.70e-03	26.66	0.0	4.35e-05
38	106	40.00	-235.17	-2.05	4.70e-03	27.48	1.88e-03	5.30e-05
38	106	80.00	-241.80	-2.09	4.48e-03	30.72	3.67e-03	1.25e-05
38	106	120.00	-246.58	-2.12	5.32e-03	33.26	5.80e-03	2.31e-05
38	106	165.00	-250.46	-2.14	6.25e-03	35.60	8.61e-03	2.66e-05
38	106	210.00	-253.70	-2.18	5.49e-03	37.73	0.01	1.20e-05
38	106	253.33	-256.02	-2.24	-1.77e-03	39.48	0.01	-1.17e-04
38	106	296.67	-256.72	-2.33	-9.64e-03	40.57	6.14e-03	-2.21e-04
38	106	340.00	-197.38	-2.45	-0.01	18.02	1.00e-04	-2.15e-04
38	107	0.0	-349.50	-2.58	6.84e-03	33.48	0.0	3.46e-05
38	107	40.00	-349.50	-2.58	6.84e-03	34.52	2.74e-03	3.44e-05
38	107	80.00	-359.87	-2.63	6.55e-03	38.62	5.36e-03	-1.57e-05
38	107	120.00	-367.51	-2.67	7.86e-03	41.81	8.50e-03	6.48e-06
38	107	165.00	-373.88	-2.70	9.24e-03	44.74	0.01	1.72e-05
38	107	210.00	-379.37	-2.75	8.08e-03	47.40	0.02	8.31e-06
38	107	253.33	-383.47	-2.82	-2.68e-03	49.55	0.02	-1.49e-04
38	107	296.67	-385.16	-2.94	-0.01	50.79	8.97e-03	-2.78e-04
38	107	340.00	-297.52	-3.09	-0.02	22.65	1.44e-04	-2.71e-04
38	123	0.0	-388.64	73.33	0.07	151.66	0.01	0.13
38	123	40.00	-388.64	73.33	0.07	152.69	0.02	0.13
38	123	80.00	-399.31	73.05	-0.15	147.57	0.02	0.12
38	123	120.00	-407.26	72.79	-0.67	142.14	-0.12	0.07
38	123	165.00	-414.02	72.53	-0.80	136.50	-0.46	0.04
38	123	210.00	-420.01	72.23	-0.64	130.75	-0.77	0.05
38	123	253.33	-424.69	71.90	0.45	125.41	-0.83	0.09
38	123	296.67	-426.73	71.53	0.88	120.65	-0.52	0.09
38	123	340.00	-334.40	71.09	0.80	85.46	-0.17	0.09
38	136	0.0	-261.18	-141.37	0.14	-190.45	0.03	-0.07
38	136	40.00	-261.18	-141.37	0.14	-189.42	0.03	-0.08
38	136	80.00	-271.11	-140.95	0.08	-168.62	0.07	-0.07
38	136	120.00	-278.18	-140.54	-0.07	-149.78	0.04	-0.06
38	136	165.00	-283.71	-140.10	-6.56e-03	-131.37	0.07	-0.06
38	136	210.00	-288.07	-139.62	-0.03	-113.58	0.14	-0.05
38	136	253.33	-290.80	-139.16	0.06	-97.90	0.16	-0.06
38	136	296.67	-290.84	-138.79	-0.18	-84.71	0.03	-0.04
38	136	340.00	-214.59	-138.43	-0.19	-99.67	0.03	-0.05
38	139	0.0	-437.81	136.20	-0.13	257.42	-0.03	0.07
38	139	40.00	-437.81	136.20	-0.13	258.45	-0.02	0.08
38	139	80.00	-448.63	135.69	-0.07	245.85	-0.06	0.07
38	139	120.00	-456.85	135.21	0.09	233.41	-0.02	0.06
38	139	165.00	-464.05	134.69	0.03	220.85	-0.05	0.06
38	139	210.00	-470.67	134.12	0.04	208.37	-0.11	0.05
38	139	253.33	-476.13	133.52	-0.06	196.99	-0.13	0.06
38	139	296.67	-479.49	132.92	0.15	186.30	-0.02	0.04
38	139	340.00	-380.44	132.26	0.16	144.97	-0.03	0.05
38	155	0.0	-393.56	83.04	0.08	166.73	0.02	0.14
38	155	40.00	-393.56	83.04	0.08	167.76	0.02	0.14
38	155	80.00	-404.28	82.73	-0.17	161.46	0.02	0.13
38	155	120.00	-412.27	82.45	-0.74	154.93	-0.13	0.08
38	155	165.00	-419.07	82.15	-0.90	148.18	-0.51	0.05
38	155	210.00	-425.13	81.82	-0.72	141.36	-0.87	0.06
38	155	253.33	-429.88	81.46	0.50	135.05	-0.93	0.10
38	155	296.67	-431.98	81.06	0.98	129.49	-0.59	0.10
38	155	340.00	-339.04	80.58	0.90	93.44	-0.19	0.10
38	168	0.0	-250.13	-158.83	0.16	-218.58	0.03	-0.07
38	168	40.00	-250.13	-158.83	0.16	-217.55	0.03	-0.09
38	168	80.00	-260.00	-158.34	0.09	-194.65	0.07	-0.08
38	168	120.00	-266.99	-157.88	-0.09	-173.84	0.04	-0.07
38	168	165.00	-272.43	-157.38	-8.58e-03	-153.49	0.08	-0.07
38	168	210.00	-276.64	-156.83	-0.03	-133.78	0.16	-0.06
38	168	253.33	-279.20	-156.31	0.07	-116.39	0.18	-0.06
38	168	296.67	-279.03	-155.88	-0.20	-101.70	0.04	-0.05
38	168	340.00	-204.22	-155.45	-0.22	-115.02	0.03	-0.05
38	171	0.0	-448.87	153.66	-0.15	285.55	-0.03	0.08
38	171	40.00	-448.87	153.66	-0.15	286.58	-0.03	0.09
38	171	80.00	-459.74	153.09	-0.08	271.88	-0.06	0.08
38	171	120.00	-468.04	152.55	0.10	257.47	-0.03	0.07
38	171	165.00	-475.33	151.97	0.03	242.97	-0.05	0.07
38	171	210.00	-482.09	151.34	0.05	228.57	-0.13	0.06
38	171	253.33	-487.73	150.67	-0.07	215.49	-0.14	0.06
38	171	296.67	-491.29	150.00	0.17	203.28	-0.02	0.05

38	171	340.00	-390.82	149.28	0.18	160.32	-0.03	0.05
38	187	0.0	-393.18	83.59	0.09	167.14	0.02	0.14
38	187	40.00	-393.18	83.59	0.09	168.17	0.02	0.14
38	187	80.00	-403.90	83.28	-0.15	161.81	0.03	0.14
38	187	120.00	-411.89	82.99	-0.70	155.21	-0.11	0.09
38	187	165.00	-418.69	82.70	-0.85	148.40	-0.47	0.06
38	187	210.00	-424.74	82.37	-0.68	141.48	-0.81	0.06
38	187	253.33	-429.50	82.00	0.47	135.05	-0.87	0.11
38	187	296.67	-431.69	81.60	0.92	129.22	-0.55	0.10
38	187	340.00	-338.68	81.12	0.84	93.42	-0.18	0.10
38	200	0.0	-251.32	-157.58	0.15	-216.32	0.03	-0.08
38	200	40.00	-251.32	-157.58	0.15	-215.29	0.03	-0.09
38	200	80.00	-261.20	-157.10	0.08	-192.54	0.07	-0.08
38	200	120.00	-268.20	-156.64	-0.09	-171.87	0.04	-0.07
38	200	165.00	-273.65	-156.14	-8.97e-03	-151.63	0.07	-0.07
38	200	210.00	-277.89	-155.60	-0.03	-132.03	0.15	-0.06
38	200	253.33	-280.47	-155.08	0.07	-114.72	0.17	-0.06
38	200	296.67	-280.32	-154.66	-0.19	-100.03	0.03	-0.05
38	200	340.00	-205.37	-154.23	-0.20	-113.61	0.03	-0.05
38	203	0.0	-447.68	152.41	-0.14	283.29	-0.03	0.08
38	203	40.00	-447.68	152.41	-0.14	284.33	-0.03	0.09
38	203	80.00	-458.54	151.84	-0.07	269.77	-0.06	0.08
38	203	120.00	-466.83	151.31	0.11	255.49	-0.02	0.07
38	203	165.00	-474.11	150.74	0.03	241.11	-0.05	0.07
38	203	210.00	-480.85	150.11	0.05	226.82	-0.12	0.06
38	203	253.33	-486.46	149.45	-0.08	213.81	-0.14	0.06
38	203	296.67	-490.00	148.78	0.16	201.61	-0.01	0.05
38	203	340.00	-389.67	148.06	0.17	158.91	-0.03	0.05
38	219	0.0	-400.80	99.54	0.11	191.59	0.02	0.17
38	219	40.00	-400.80	99.54	0.11	192.63	0.02	0.17
38	219	80.00	-411.58	99.18	-0.17	184.34	0.03	0.17
38	219	120.00	-419.64	98.85	-0.81	175.92	-0.13	0.11
38	219	165.00	-426.51	98.51	-1.00	167.29	-0.55	0.07
38	219	210.00	-432.66	98.12	-0.80	158.59	-0.95	0.08
38	219	253.33	-437.55	97.71	0.54	150.55	-1.02	0.13
38	219	296.67	-439.86	97.26	1.08	143.31	-0.65	0.12
38	219	340.00	-345.87	96.71	0.99	106.23	-0.21	0.12
38	232	0.0	-235.08	-183.71	0.17	-258.26	0.03	-0.09
38	232	40.00	-235.08	-183.71	0.17	-257.22	0.04	-0.10
38	232	80.00	-244.87	-183.14	0.10	-231.33	0.08	-0.10
38	232	120.00	-251.76	-182.60	-0.10	-207.71	0.04	-0.09
38	232	165.00	-257.07	-182.01	-5.78e-03	-184.55	0.08	-0.08
38	232	210.00	-261.10	-181.37	-0.03	-162.08	0.18	-0.07
38	232	253.33	-263.43	-180.76	0.08	-142.20	0.20	-0.08
38	232	296.67	-262.96	-180.24	-0.22	-125.21	0.04	-0.06
38	232	340.00	-190.12	-179.72	-0.24	-136.40	0.03	-0.06
38	235	0.0	-463.92	178.54	-0.16	325.22	-0.03	0.09
38	235	40.00	-463.92	178.54	-0.16	326.26	-0.03	0.10
38	235	80.00	-474.87	177.89	-0.08	308.56	-0.07	0.10
38	235	120.00	-483.26	177.27	0.12	291.33	-0.02	0.09
38	235	165.00	-490.70	176.61	0.02	274.03	-0.06	0.08
38	235	210.00	-497.63	175.88	0.05	256.87	-0.15	0.07
38	235	253.33	-503.50	175.12	-0.09	241.30	-0.17	0.08
38	235	296.67	-507.36	174.36	0.20	226.79	-0.02	0.06
38	235	340.00	-404.92	173.54	0.20	181.70	-0.03	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-713.34	-183.71	-1.00	-258.26	-1.02	-0.10
	-174.45	178.54	1.08	326.26	0.20	0.17

Macro	Tipo	Angolo 1-Z (gradi)
39	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
39	18	0.0	-544.66	-29.06	-0.01	20.44	0.0	-1.96e-04
39	18	40.00	-544.66	-29.06	-0.01	32.06	-5.61e-03	-9.53e-05
39	18	80.00	-560.95	-28.54	-0.01	38.54	-9.95e-03	1.78e-04
39	18	120.00	-573.06	-27.75	-5.60e-03	44.16	-0.01	5.27e-04
39	18	165.00	-583.25	-26.72	-5.41e-03	50.28	-0.01	6.02e-04
39	18	210.00	-592.11	-25.58	-5.38e-03	55.58	-0.02	5.05e-04
39	18	253.33	-598.84	-24.56	9.40e-04	59.95	-0.02	3.39e-04
39	18	296.67	-601.85	-23.78	0.01	63.18	-0.01	3.07e-04
39	18	340.00	-466.50	-23.25	0.02	26.27	-2.04e-04	2.50e-04

39	19	0.0	-209.93	-27.60	-5.30e-03	-3.62	0.0	3.30e-05
39	19	40.00	-209.93	-27.60	-5.30e-03	7.42	-2.12e-03	1.44e-04
39	19	80.00	-215.57	-27.05	-4.10e-03	10.98	-3.76e-03	2.32e-04
39	19	120.00	-219.60	-26.23	-1.77e-03	14.35	-4.47e-03	3.79e-04
39	19	165.00	-222.86	-25.18	-1.52e-03	18.44	-5.15e-03	4.04e-04
39	19	210.00	-225.57	-24.01	-1.52e-03	21.93	-5.83e-03	3.40e-04
39	19	253.33	-227.47	-22.94	-1.62e-04	24.90	-5.76e-03	2.10e-04
39	19	296.67	-227.98	-22.08	5.00e-03	27.50	-3.60e-03	1.49e-04
39	19	340.00	-176.08	-21.45	8.44e-03	10.15	-7.18e-05	1.03e-04
39	28	0.0	-648.47	11.39	-0.02	71.97	0.0	-4.76e-04
39	28	40.00	-648.47	11.39	-0.02	67.42	-7.32e-03	-4.73e-04
39	28	80.00	-668.44	11.13	-0.01	73.78	-0.01	-6.25e-05
39	28	120.00	-683.35	10.80	-7.42e-03	78.31	-0.02	3.90e-04
39	28	165.00	-695.93	10.41	-7.42e-03	81.76	-0.02	5.18e-04
39	28	210.00	-706.91	9.97	-7.54e-03	84.94	-0.02	4.91e-04
39	28	253.33	-715.29	9.51	1.30e-03	87.32	-0.02	5.00e-04
39	28	296.67	-719.19	9.03	0.02	87.93	-0.01	6.50e-04
39	28	340.00	-555.87	8.56	0.03	40.81	-2.79e-04	5.83e-04
39	44	0.0	-566.46	21.50	-0.02	78.59	0.0	-4.32e-04
39	44	40.00	-566.46	21.50	-0.02	69.99	-6.74e-03	-4.13e-04
39	44	80.00	-583.82	21.12	-0.01	75.60	-0.01	-2.34e-05
39	44	120.00	-596.71	20.61	-6.42e-03	79.29	-0.01	4.12e-04
39	44	165.00	-607.53	20.01	-6.33e-03	81.55	-0.02	5.43e-04
39	44	210.00	-616.92	19.33	-6.57e-03	83.71	-0.02	5.39e-04
39	44	253.33	-624.04	18.66	1.04e-03	85.21	-0.02	5.87e-04
39	44	296.67	-627.22	18.00	0.02	84.99	-0.01	7.67e-04
39	44	340.00	-483.72	17.38	0.03	40.32	-2.56e-04	6.81e-04
39	72	0.0	-229.98	-19.01	-6.06e-03	7.36	0.0	-4.34e-05
39	72	40.00	-229.98	-19.01	-6.06e-03	14.96	-2.42e-03	3.11e-05
39	72	80.00	-236.34	-18.65	-4.66e-03	18.50	-4.29e-03	1.46e-04
39	72	120.00	-240.93	-18.12	-2.24e-03	21.66	-5.18e-03	3.06e-04
39	72	165.00	-244.65	-17.43	-2.07e-03	25.22	-6.12e-03	3.41e-04
39	72	210.00	-247.77	-16.66	-2.08e-03	28.30	-7.05e-03	2.95e-04
39	72	253.33	-250.00	-15.97	-2.73e-04	30.90	-6.93e-03	2.14e-04
39	72	296.67	-250.67	-15.43	5.98e-03	32.99	-4.34e-03	1.97e-04
39	72	340.00	-193.28	-15.05	0.01	13.30	-8.70e-05	1.57e-04
39	75	0.0	-383.80	-19.54	-9.97e-03	16.39	0.0	-1.46e-04
39	75	40.00	-383.80	-19.54	-9.97e-03	24.20	-3.99e-03	-7.79e-05
39	75	80.00	-395.19	-19.20	-7.69e-03	28.85	-7.06e-03	1.19e-04
39	75	120.00	-403.64	-18.68	-3.98e-03	32.85	-8.66e-03	3.67e-04
39	75	165.00	-410.71	-17.99	-3.85e-03	37.16	-0.01	4.22e-04
39	75	210.00	-416.85	-17.24	-3.83e-03	40.91	-0.01	3.58e-04
39	75	253.33	-421.47	-16.56	6.54e-04	44.00	-0.01	2.50e-04
39	75	296.67	-423.48	-16.05	0.01	46.27	-7.39e-03	2.37e-04
39	75	340.00	-327.98	-15.71	0.02	19.36	-1.46e-04	1.96e-04
39	80	0.0	-453.00	7.42	-0.01	50.74	0.0	-3.32e-04
39	80	40.00	-453.00	7.42	-0.01	47.77	-5.13e-03	-3.30e-04
39	80	80.00	-466.86	7.24	-9.71e-03	52.34	-9.01e-03	-4.19e-05
39	80	120.00	-477.17	7.02	-5.20e-03	55.62	-0.01	2.75e-04
39	80	165.00	-485.83	6.76	-5.19e-03	58.15	-0.01	3.66e-04
39	80	210.00	-493.38	6.46	-5.27e-03	60.48	-0.02	3.48e-04
39	80	253.33	-499.11	6.15	8.97e-04	62.25	-0.02	3.58e-04
39	80	296.67	-501.71	5.82	0.01	62.78	-9.70e-03	4.66e-04
39	80	340.00	-387.57	5.49	0.02	29.06	-1.95e-04	4.18e-04
39	88	0.0	-398.34	14.16	-0.01	55.15	0.0	-3.03e-04
39	88	40.00	-398.34	14.16	-0.01	49.49	-4.74e-03	-2.90e-04
39	88	80.00	-410.44	13.90	-8.87e-03	53.55	-8.29e-03	-1.58e-05
39	88	120.00	-419.41	13.56	-4.52e-03	56.27	-0.01	2.90e-04
39	88	165.00	-426.90	13.16	-4.46e-03	58.01	-0.01	3.82e-04
39	88	210.00	-433.39	12.70	-4.62e-03	59.67	-0.01	3.80e-04
39	88	253.33	-438.27	12.25	7.19e-04	60.84	-0.01	4.15e-04
39	88	296.67	-440.40	11.80	0.01	60.81	-8.79e-03	5.44e-04
39	88	340.00	-339.47	11.37	0.02	28.73	-1.80e-04	4.83e-04
39	98	0.0	-371.60	-2.12	-0.01	34.55	0.0	-2.66e-04
39	98	40.00	-371.60	-2.12	-0.01	35.40	-4.04e-03	-2.73e-04
39	98	80.00	-382.72	-2.17	-7.75e-03	39.55	-7.15e-03	-5.14e-05
39	98	120.00	-390.94	-2.21	-4.35e-03	42.77	-8.88e-03	1.89e-04
39	98	165.00	-397.81	-2.24	-4.38e-03	45.69	-0.01	2.55e-04
39	98	210.00	-403.74	-2.29	-4.37e-03	48.34	-0.01	2.35e-04
39	98	253.33	-408.19	-2.36	7.58e-04	50.46	-0.01	2.33e-04
39	98	296.67	-410.09	-2.48	0.01	51.63	-7.83e-03	3.07e-04
39	98	340.00	-316.62	-2.62	0.02	23.13	-1.56e-04	2.79e-04
39	102	0.0	-235.81	-5.14	-6.60e-03	22.95	0.0	-1.47e-04
39	102	40.00	-235.81	-5.14	-6.60e-03	25.01	-2.64e-03	-1.30e-04
39	102	80.00	-242.46	-5.09	-5.04e-03	28.28	-4.65e-03	1.40e-05

39	102	120.00	-247.25	-5.01	-2.68e-03	30.92	-5.73e-03	1.79e-04
39	102	165.00	-251.15	-4.89	-2.64e-03	33.45	-6.92e-03	2.25e-04
39	102	210.00	-254.41	-4.77	-2.66e-03	35.73	-8.11e-03	2.12e-04
39	102	253.33	-256.74	-4.68	3.85e-04	37.61	-7.95e-03	2.11e-04
39	102	296.67	-257.45	-4.64	6.80e-03	38.85	-5.00e-03	2.64e-04
39	102	340.00	-197.89	-4.66	0.01	17.04	-1.01e-04	2.32e-04
39	103	0.0	-350.95	-5.53	-9.49e-03	29.55	0.0	-2.27e-04
39	103	40.00	-350.95	-5.53	-9.49e-03	31.76	-3.80e-03	-2.18e-04
39	103	80.00	-361.37	-5.49	-7.29e-03	35.84	-6.71e-03	-1.38e-05
39	103	120.00	-369.06	-5.42	-4.01e-03	39.10	-8.32e-03	2.15e-04
39	103	165.00	-375.46	-5.31	-4.01e-03	42.18	-0.01	2.76e-04
39	103	210.00	-380.98	-5.19	-4.00e-03	44.94	-0.01	2.49e-04
39	103	253.33	-385.11	-5.11	6.81e-04	47.19	-0.01	2.31e-04
39	103	296.67	-386.83	-5.10	0.01	48.55	-7.29e-03	2.87e-04
39	103	340.00	-298.67	-5.14	0.02	21.46	-1.45e-04	2.56e-04
39	105	0.0	-353.86	1.22	-9.87e-03	37.30	0.0	-2.59e-04
39	105	40.00	-353.86	1.22	-9.87e-03	36.82	-3.95e-03	-2.61e-04
39	105	80.00	-364.42	1.13	-7.52e-03	40.79	-6.96e-03	-4.06e-05
39	105	120.00	-372.21	1.03	-4.12e-03	43.78	-8.61e-03	1.99e-04
39	105	165.00	-378.70	0.92	-4.13e-03	46.35	-0.01	2.68e-04
39	105	210.00	-384.29	0.80	-4.16e-03	48.69	-0.01	2.54e-04
39	105	253.33	-388.47	0.65	6.94e-04	50.55	-0.01	2.64e-04
39	105	296.67	-390.21	0.47	0.01	51.46	-7.57e-03	3.48e-04
39	105	340.00	-300.97	0.28	0.02	23.33	-1.52e-04	3.14e-04
39	106	0.0	-237.26	-1.67	-6.73e-03	26.85	0.0	-1.73e-04
39	106	40.00	-237.26	-1.67	-6.73e-03	27.52	-2.69e-03	-1.70e-04
39	106	80.00	-243.99	-1.70	-5.13e-03	30.73	-4.75e-03	-1.90e-05
39	106	120.00	-248.83	-1.73	-2.79e-03	33.23	-5.86e-03	1.47e-04
39	106	165.00	-252.77	-1.76	-2.78e-03	35.51	-7.12e-03	1.96e-04
39	106	210.00	-256.07	-1.80	-2.81e-03	37.58	-8.38e-03	1.92e-04
39	106	253.33	-258.42	-1.85	4.13e-04	39.29	-8.20e-03	2.10e-04
39	106	296.67	-259.15	-1.95	7.01e-03	40.32	-5.16e-03	2.80e-04
39	106	340.00	-199.04	-2.06	0.01	17.97	-1.05e-04	2.51e-04
39	107	0.0	-352.40	-2.06	-9.63e-03	33.45	0.0	-2.53e-04
39	107	40.00	-352.41	-2.06	-9.63e-03	34.27	-3.85e-03	-2.59e-04
39	107	80.00	-362.90	-2.10	-7.38e-03	38.29	-6.80e-03	-4.67e-05
39	107	120.00	-370.64	-2.14	-4.12e-03	41.41	-8.45e-03	1.83e-04
39	107	165.00	-377.09	-2.17	-4.15e-03	44.24	-0.01	2.47e-04
39	107	210.00	-382.64	-2.22	-4.15e-03	46.80	-0.01	2.29e-04
39	107	253.33	-386.80	-2.29	7.09e-04	48.86	-0.01	2.30e-04
39	107	296.67	-388.53	-2.40	0.01	50.01	-7.45e-03	3.03e-04
39	107	340.00	-299.82	-2.54	0.02	22.39	-1.48e-04	2.75e-04
39	117	0.0	-399.41	74.12	-0.07	144.04	-0.01	-0.13
39	117	40.00	-399.41	74.12	-0.07	144.86	-0.02	-0.13
39	117	80.00	-410.84	73.82	0.15	138.56	-0.02	-0.12
39	117	120.00	-419.40	73.54	0.67	132.27	0.12	-0.07
39	117	165.00	-426.49	73.24	0.77	126.15	0.46	-0.04
39	117	210.00	-435.84	72.92	0.64	114.76	0.78	-0.05
39	117	253.33	-438.95	72.57	-0.45	112.13	0.83	-0.09
39	117	296.67	-437.19	72.21	-0.83	112.30	0.52	-0.09
39	117	340.00	-345.30	71.80	-0.80	75.92	0.17	-0.09
39	125	0.0	-440.69	136.87	0.08	259.22	0.02	-0.06
39	125	40.00	-440.69	136.87	0.08	260.05	0.01	-0.07
39	125	80.00	-451.76	136.34	0.06	247.11	0.03	-0.07
39	125	120.00	-460.19	135.83	-0.01	234.47	0.01	-0.06
39	125	165.00	-469.19	135.30	-0.03	218.96	0.08	-0.06
39	125	210.00	-475.11	134.71	0.04	207.78	0.18	-0.05
39	125	253.33	-480.22	134.10	0.02	197.18	0.21	-0.05
39	125	296.67	-484.20	133.48	-0.06	185.59	0.07	-0.04
39	125	340.00	-383.13	132.82	-0.23	145.83	0.04	-0.04
39	126	0.0	-264.12	-140.98	-0.10	-192.32	-0.02	0.06
39	126	40.00	-264.12	-140.98	-0.10	-191.50	-0.02	0.07
39	126	80.00	-274.04	-140.54	-0.08	-170.53	-0.05	0.07
39	126	120.00	-281.09	-140.11	6.07e-03	-151.65	-0.03	0.06
39	126	165.00	-284.99	-139.65	0.02	-130.49	-0.10	0.06
39	126	210.00	-290.18	-139.15	-0.05	-114.18	-0.20	0.05
39	126	253.33	-293.38	-138.68	-0.02	-99.45	-0.23	0.05
39	126	296.67	-292.85	-138.29	0.08	-85.56	-0.08	0.04
39	126	340.00	-216.51	-137.91	0.27	-101.05	-0.04	0.04
39	130	0.0	-264.10	-141.30	-0.15	-193.28	-0.03	0.07
39	130	40.00	-264.10	-141.30	-0.15	-192.46	-0.03	0.08
39	130	80.00	-273.96	-140.86	-0.08	-171.37	-0.07	0.07
39	130	120.00	-280.97	-140.44	0.08	-152.40	-0.04	0.06
39	130	165.00	-286.53	-139.99	0.11	-134.03	-0.07	0.06
39	130	210.00	-290.01	-139.49	0.03	-114.77	-0.13	0.05

39	130	253.33	-293.34	-139.03	-0.06	-100.22	-0.15	0.06
39	130	296.67	-294.16	-138.64	-7.63e-04	-88.08	-0.03	0.04
39	130	340.00	-216.54	-138.26	0.18	-101.73	-0.03	0.05
39	149	0.0	-405.33	83.87	-0.08	158.10	-0.02	-0.14
39	149	40.00	-405.33	83.87	-0.08	158.92	-0.02	-0.14
39	149	80.00	-416.89	83.53	0.17	151.30	-0.02	-0.13
39	149	120.00	-425.55	83.22	0.75	143.79	0.13	-0.08
39	149	165.00	-432.73	82.89	0.87	136.53	0.51	-0.05
39	149	210.00	-442.54	82.53	0.72	123.39	0.87	-0.06
39	149	253.33	-445.51	82.15	-0.50	120.15	0.93	-0.10
39	149	296.67	-443.34	81.75	-0.92	120.13	0.59	-0.10
39	149	340.00	-351.00	81.31	-0.90	82.72	0.19	-0.10
39	157	0.0	-451.73	154.28	0.09	287.48	0.02	-0.07
39	157	40.00	-451.73	154.28	0.09	288.30	0.02	-0.08
39	157	80.00	-462.87	153.69	0.07	273.24	0.04	-0.08
39	157	120.00	-471.39	153.13	-0.02	258.63	0.02	-0.07
39	157	165.00	-480.70	152.54	-0.03	240.82	0.09	-0.07
39	157	210.00	-486.67	151.88	0.05	227.91	0.20	-0.06
39	157	253.33	-491.89	151.20	0.02	215.72	0.23	-0.06
39	157	296.67	-496.15	150.52	-0.07	202.52	0.08	-0.04
39	157	340.00	-393.53	149.79	-0.26	161.26	0.05	-0.04
39	158	0.0	-253.08	-158.40	-0.11	-220.58	-0.02	0.06
39	158	40.00	-253.08	-158.40	-0.11	-219.76	-0.02	0.08
39	158	80.00	-262.93	-157.89	-0.09	-196.66	-0.05	0.08
39	158	120.00	-269.89	-157.41	7.23e-03	-175.81	-0.03	0.07
39	158	165.00	-273.48	-156.88	0.02	-152.34	-0.11	0.07
39	158	210.00	-278.62	-156.32	-0.06	-134.31	-0.23	0.06
39	158	253.33	-281.71	-155.78	-0.02	-117.99	-0.26	0.06
39	158	296.67	-280.90	-155.33	0.09	-102.49	-0.09	0.05
39	158	340.00	-206.11	-154.88	0.30	-116.47	-0.05	0.04
39	162	0.0	-253.05	-158.80	-0.16	-221.72	-0.03	0.07
39	162	40.00	-253.05	-158.80	-0.16	-220.89	-0.03	0.09
39	162	80.00	-262.83	-158.30	-0.09	-197.66	-0.08	0.08
39	162	120.00	-269.74	-157.83	0.09	-176.69	-0.04	0.07
39	162	165.00	-275.19	-157.31	0.13	-156.36	-0.07	0.07
39	162	210.00	-278.41	-156.75	0.04	-135.01	-0.15	0.06
39	162	253.33	-281.65	-156.21	-0.07	-118.88	-0.17	0.06
39	162	296.67	-282.36	-155.77	-4.00e-03	-105.34	-0.03	0.05
39	162	340.00	-206.13	-155.32	0.20	-117.27	-0.03	0.05
39	181	0.0	-404.98	84.42	-0.10	158.31	-0.02	-0.14
39	181	40.00	-404.98	84.42	-0.10	159.13	-0.02	-0.14
39	181	80.00	-416.55	84.08	0.15	151.44	-0.03	-0.14
39	181	120.00	-425.25	83.77	0.70	143.80	0.11	-0.09
39	181	165.00	-432.46	83.45	0.82	136.38	0.47	-0.06
39	181	210.00	-442.03	83.10	0.69	123.53	0.82	-0.06
39	181	253.33	-445.00	82.72	-0.47	120.16	0.87	-0.10
39	181	296.67	-443.19	82.33	-0.87	119.45	0.55	-0.10
39	181	340.00	-350.43	81.89	-0.84	82.86	0.18	-0.10
39	189	0.0	-450.34	152.62	0.08	284.42	0.02	-0.07
39	189	40.00	-450.34	152.62	0.08	285.24	0.02	-0.08
39	189	80.00	-461.48	152.03	0.07	270.39	0.04	-0.08
39	189	120.00	-469.98	151.48	-0.02	255.95	0.01	-0.07
39	189	165.00	-479.20	150.89	-0.03	238.44	0.08	-0.07
39	189	210.00	-485.13	150.24	0.05	225.68	0.20	-0.06
39	189	253.33	-490.34	149.57	0.02	213.55	0.23	-0.06
39	189	296.67	-494.55	148.90	-0.06	200.44	0.07	-0.04
39	189	340.00	-392.13	148.17	-0.25	159.44	0.05	-0.04
39	194	0.0	-254.20	-157.53	-0.16	-219.20	-0.03	0.08
39	194	40.00	-254.20	-157.53	-0.16	-218.37	-0.03	0.09
39	194	80.00	-263.98	-157.03	-0.08	-195.29	-0.07	0.08
39	194	120.00	-270.89	-156.56	0.10	-174.44	-0.04	0.07
39	194	165.00	-276.35	-156.05	0.12	-154.21	-0.07	0.07
39	194	210.00	-279.67	-155.49	0.04	-133.07	-0.14	0.06
39	194	253.33	-282.93	-154.97	-0.07	-117.01	-0.16	0.06
39	194	296.67	-283.59	-154.53	-0.01	-103.39	-0.03	0.05
39	194	340.00	-207.32	-154.08	0.19	-115.74	-0.03	0.05
39	213	0.0	-414.39	100.42	-0.11	180.95	-0.02	-0.17
39	213	40.00	-414.39	100.42	-0.11	181.77	-0.03	-0.17
39	213	80.00	-426.15	100.04	0.17	171.90	-0.03	-0.17
39	213	120.00	-435.05	99.68	0.82	162.22	0.13	-0.11
39	213	165.00	-442.43	99.31	0.96	152.86	0.55	-0.07
39	213	210.00	-452.65	98.90	0.80	137.27	0.96	-0.08
39	213	253.33	-455.39	98.48	-0.55	132.88	1.02	-0.13
39	213	296.67	-453.07	98.03	-1.02	131.56	0.65	-0.12
39	213	340.00	-359.39	97.53	-0.99	93.74	0.21	-0.12

39	221	0.0	-466.45	178.26	0.10	325.78	0.02	-0.08
39	221	40.00	-466.45	178.26	0.10	326.60	0.02	-0.10
39	221	80.00	-477.68	177.59	0.08	308.63	0.04	-0.09
39	221	120.00	-486.32	176.95	-0.02	291.27	0.02	-0.08
39	221	165.00	-495.97	176.27	-0.03	270.42	0.10	-0.08
39	221	210.00	-501.95	175.52	0.06	255.12	0.23	-0.07
39	221	253.33	-507.34	174.75	0.03	240.62	0.27	-0.07
39	221	296.67	-511.98	173.99	-0.07	225.09	0.09	-0.05
39	221	340.00	-407.28	173.17	-0.30	181.97	0.05	-0.05
39	226	0.0	-237.81	-183.73	-0.18	-261.41	-0.03	0.09
39	226	40.00	-237.81	-183.73	-0.18	-260.58	-0.04	0.10
39	226	80.00	-247.47	-183.15	-0.10	-234.27	-0.08	0.09
39	226	120.00	-254.23	-182.59	0.11	-210.41	-0.04	0.09
39	226	165.00	-259.51	-181.98	0.14	-187.23	-0.08	0.08
39	226	210.00	-262.46	-181.33	0.04	-162.96	-0.17	0.07
39	226	253.33	-265.60	-180.71	-0.08	-144.54	-0.19	0.08
39	226	296.67	-266.05	-180.18	-0.01	-128.75	-0.03	0.06
39	226	340.00	-191.90	-179.63	0.23	-138.70	-0.03	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-719.19	-183.73	-1.02	-261.41	-0.26	-0.17
	-176.08	178.26	0.96	326.60	1.02	0.10

Macro	Tipo	Angolo 1-Z (gradi)
40	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
40	18	0.0	-357.84	-22.82	-0.24	3.92	0.0	1.41e-03
40	18	40.00	-357.84	-22.82	-0.24	13.04	-0.10	7.67e-04
40	18	80.00	-366.45	-22.70	-0.16	18.38	-0.16	-1.36e-03
40	18	120.00	-372.63	-22.57	-0.12	23.49	-0.21	-3.45e-03
40	18	165.00	-377.50	-22.43	-0.04	29.37	-0.23	-2.34e-03
40	18	210.00	-381.34	-22.28	0.04	34.77	-0.21	1.06e-04
40	18	253.33	-384.00	-22.15	0.03	39.51	-0.19	1.50e-03
40	18	296.67	-385.02	-22.02	0.09	43.50	-0.15	3.41e-03
40	18	340.00	-286.09	-21.86	0.32	16.40	-4.92e-03	4.68e-03
40	19	0.0	-145.18	-22.28	-0.09	-16.31	0.0	2.21e-03
40	19	40.00	-145.18	-22.28	-0.09	-7.40	-0.04	2.30e-03
40	19	80.00	-148.01	-22.15	-0.06	-4.07	-0.06	3.17e-04
40	19	120.00	-149.88	-22.01	-0.04	-0.53	-0.08	-1.18e-03
40	19	165.00	-151.19	-21.86	-0.01	3.97	-0.08	-1.36e-03
40	19	210.00	-152.07	-21.71	0.02	8.22	-0.08	-7.82e-04
40	19	253.33	-152.49	-21.57	9.40e-03	12.14	-0.07	-2.47e-04
40	19	296.67	-152.28	-21.43	0.03	15.89	-0.06	6.28e-04
40	19	340.00	-113.01	-21.25	0.12	4.49	-1.96e-03	1.37e-03
40	28	0.0	-432.09	10.77	-0.29	69.20	0.0	-4.12e-03
40	28	40.00	-432.09	10.77	-0.29	64.90	-0.12	-6.17e-03
40	28	80.00	-443.10	10.69	-0.20	68.90	-0.20	-4.81e-03
40	28	120.00	-451.07	10.63	-0.16	71.49	-0.26	-4.94e-03
40	28	165.00	-457.44	10.57	-0.06	73.03	-0.29	-1.21e-03
40	28	210.00	-462.53	10.52	0.05	74.07	-0.26	3.39e-03
40	28	253.33	-466.15	10.46	0.05	74.39	-0.24	5.33e-03
40	28	296.67	-467.74	10.37	0.12	73.36	-0.19	7.78e-03
40	28	340.00	-345.76	10.27	0.39	32.79	-6.09e-03	8.95e-03
40	44	0.0	-384.48	19.11	-0.26	80.22	0.0	-5.31e-03
40	44	40.00	-384.48	19.11	-0.26	72.58	-0.10	-7.47e-03
40	44	80.00	-394.19	19.00	-0.18	75.75	-0.17	-5.14e-03
40	44	120.00	-401.16	18.91	-0.14	77.33	-0.23	-4.54e-03
40	44	165.00	-406.67	18.82	-0.05	77.44	-0.25	-5.14e-04
40	44	210.00	-411.01	18.73	0.04	77.12	-0.24	4.09e-03
40	44	253.33	-414.05	18.64	0.04	76.15	-0.22	5.90e-03
40	44	296.67	-415.27	18.52	0.11	73.86	-0.17	8.20e-03
40	44	340.00	-306.09	18.39	0.35	33.84	-5.47e-03	9.21e-03
40	72	0.0	-159.77	-15.23	-0.10	-2.51	0.0	1.02e-03
40	72	40.00	-159.77	-15.23	-0.10	3.58	-0.04	7.94e-04
40	72	80.00	-163.07	-15.15	-0.07	6.64	-0.07	-4.50e-04
40	72	120.00	-165.30	-15.06	-0.05	9.67	-0.09	-1.54e-03
40	72	165.00	-166.91	-14.96	-0.02	13.26	-0.10	-1.17e-03
40	72	210.00	-168.03	-14.86	0.02	16.61	-0.09	-1.34e-04
40	72	253.33	-168.65	-14.77	0.01	19.63	-0.08	5.29e-04
40	72	296.67	-168.55	-14.68	0.04	22.34	-0.07	1.53e-03
40	72	340.00	-124.69	-14.57	0.14	7.99	-2.20e-03	2.26e-03
40	75	0.0	-254.30	-15.34	-0.17	5.03	0.0	7.96e-04

40	75	40.00	-254.30	-15.34	-0.17	11.16	-0.07	2.88e-04
40	75	80.00	-260.33	-15.26	-0.12	14.97	-0.11	-1.09e-03
40	75	120.00	-264.63	-15.18	-0.09	18.57	-0.15	-2.49e-03
40	75	165.00	-268.00	-15.08	-0.03	22.66	-0.16	-1.62e-03
40	75	210.00	-270.62	-14.98	0.03	26.42	-0.15	1.86e-04
40	75	253.33	-272.41	-14.89	0.02	29.70	-0.14	1.20e-03
40	75	296.67	-273.04	-14.81	0.07	32.43	-0.11	2.59e-03
40	75	340.00	-202.69	-14.70	0.22	12.39	-3.50e-03	3.50e-03
40	80	0.0	-303.79	7.05	-0.20	48.55	0.0	-2.89e-03
40	80	40.00	-303.79	7.05	-0.20	45.73	-0.08	-4.34e-03
40	80	80.00	-311.43	7.00	-0.14	48.65	-0.14	-3.39e-03
40	80	120.00	-316.93	6.96	-0.11	50.57	-0.18	-3.49e-03
40	80	165.00	-321.29	6.92	-0.04	51.77	-0.20	-8.67e-04
40	80	210.00	-324.75	6.89	0.03	52.61	-0.18	2.37e-03
40	80	253.33	-327.18	6.84	0.03	52.95	-0.17	3.75e-03
40	80	296.67	-328.18	6.78	0.08	52.34	-0.13	5.50e-03
40	80	340.00	-242.47	6.72	0.28	23.32	-4.28e-03	6.35e-03
40	88	0.0	-272.06	12.61	-0.18	55.90	0.0	-3.68e-03
40	88	40.00	-272.06	12.61	-0.18	50.86	-0.07	-5.20e-03
40	88	80.00	-278.82	12.54	-0.13	53.22	-0.12	-3.61e-03
40	88	120.00	-283.65	12.48	-0.10	54.46	-0.16	-3.22e-03
40	88	165.00	-287.44	12.42	-0.04	54.71	-0.18	-4.02e-04
40	88	210.00	-290.41	12.36	0.03	54.65	-0.17	2.84e-03
40	88	253.33	-292.44	12.30	0.03	54.13	-0.15	4.13e-03
40	88	296.67	-293.20	12.22	0.07	52.67	-0.12	5.78e-03
40	88	340.00	-216.03	12.13	0.25	24.02	-3.87e-03	6.53e-03
40	98	0.0	-250.99	-1.17	-0.17	29.53	0.0	-1.47e-03
40	98	40.00	-250.99	-1.17	-0.17	30.00	-0.07	-2.50e-03
40	98	80.00	-257.04	-1.18	-0.11	32.96	-0.11	-2.37e-03
40	98	120.00	-261.34	-1.19	-0.09	35.29	-0.15	-2.86e-03
40	98	165.00	-264.70	-1.20	-0.03	37.38	-0.16	-1.09e-03
40	98	210.00	-267.30	-1.20	0.03	39.16	-0.15	1.34e-03
40	98	253.33	-269.06	-1.21	0.02	40.50	-0.14	2.47e-03
40	98	296.67	-269.67	-1.24	0.07	41.13	-0.11	3.95e-03
40	98	340.00	-199.30	-1.26	0.23	17.59	-3.52e-03	4.78e-03
40	102	0.0	-166.89	-3.90	-0.11	17.98	0.0	-8.28e-04
40	102	40.00	-166.89	-3.90	-0.11	19.54	-0.04	-1.49e-03
40	102	80.00	-170.49	-3.90	-0.07	22.01	-0.07	-1.54e-03
40	102	120.00	-172.93	-3.89	-0.06	24.09	-0.09	-1.93e-03
40	102	165.00	-174.72	-3.87	-0.02	26.14	-0.10	-7.88e-04
40	102	210.00	-175.98	-3.85	0.02	27.96	-0.10	8.34e-04
40	102	253.33	-176.70	-3.84	0.01	29.45	-0.09	1.63e-03
40	102	296.67	-176.65	-3.84	0.04	30.49	-0.07	2.74e-03
40	102	340.00	-130.05	-3.83	0.15	12.67	-2.34e-03	3.43e-03
40	103	0.0	-237.45	-3.98	-0.16	23.49	0.0	-9.85e-04
40	103	40.00	-237.45	-3.98	-0.16	25.09	-0.06	-1.86e-03
40	103	80.00	-243.08	-3.98	-0.11	28.10	-0.11	-2.02e-03
40	103	120.00	-247.07	-3.97	-0.08	30.60	-0.14	-2.65e-03
40	103	165.00	-250.17	-3.95	-0.03	33.01	-0.15	-1.13e-03
40	103	210.00	-252.55	-3.94	0.03	35.13	-0.14	1.06e-03
40	103	253.33	-254.14	-3.93	0.02	36.81	-0.13	2.12e-03
40	103	296.67	-254.64	-3.93	0.06	37.86	-0.10	3.52e-03
40	103	340.00	-188.26	-3.93	0.21	15.88	-3.32e-03	4.34e-03
40	105	0.0	-241.00	1.61	-0.16	33.67	0.0	-1.88e-03
40	105	40.00	-241.00	1.61	-0.16	33.02	-0.06	-2.96e-03
40	105	80.00	-246.78	1.58	-0.11	35.75	-0.11	-2.52e-03
40	105	120.00	-250.88	1.56	-0.09	37.77	-0.14	-2.79e-03
40	105	165.00	-254.06	1.55	-0.03	39.42	-0.16	-8.87e-04
40	105	210.00	-256.51	1.53	0.03	40.77	-0.14	1.59e-03
40	105	253.33	-258.15	1.51	0.02	41.70	-0.13	2.70e-03
40	105	296.67	-258.68	1.47	0.06	41.91	-0.11	4.16e-03
40	105	340.00	-190.92	1.44	0.22	18.21	-3.39e-03	4.94e-03
40	106	0.0	-168.67	-1.07	-0.11	23.10	0.0	-1.29e-03
40	106	40.00	-168.67	-1.07	-0.11	23.53	-0.04	-2.06e-03
40	106	80.00	-172.35	-1.09	-0.07	25.85	-0.07	-1.81e-03
40	106	120.00	-174.84	-1.09	-0.06	27.69	-0.10	-2.02e-03
40	106	165.00	-176.67	-1.10	-0.02	29.36	-0.11	-6.92e-04
40	106	210.00	-177.97	-1.10	0.02	30.79	-0.10	1.08e-03
40	106	253.33	-178.71	-1.11	0.01	31.91	-0.09	1.91e-03
40	106	296.67	-178.68	-1.13	0.04	32.53	-0.07	3.05e-03
40	106	340.00	-131.39	-1.14	0.15	13.84	-2.38e-03	3.72e-03
40	107	0.0	-239.23	-1.15	-0.16	28.61	0.0	-1.45e-03
40	107	40.00	-239.23	-1.15	-0.16	29.08	-0.06	-2.44e-03
40	107	80.00	-244.94	-1.17	-0.11	31.95	-0.11	-2.29e-03
40	107	120.00	-248.98	-1.18	-0.08	34.20	-0.14	-2.74e-03

40	107	165.00	-252.12	-1.18	-0.03	36.23	-0.15	-1.03e-03
40	107	210.00	-254.54	-1.19	0.03	37.96	-0.14	1.30e-03
40	107	253.33	-256.16	-1.20	0.02	39.27	-0.13	2.39e-03
40	107	296.67	-256.67	-1.22	0.06	39.90	-0.10	3.83e-03
40	107	340.00	-189.60	-1.24	0.21	17.05	-3.35e-03	4.63e-03
40	113	0.0	-445.53	141.42	-0.60	195.02	-0.09	-0.10
40	113	40.00	-445.53	141.42	-0.60	195.48	-0.16	-0.09
40	113	80.00	-438.75	141.21	-0.12	188.68	-0.30	-0.11
40	113	120.00	-429.88	141.09	1.01	180.19	-0.13	-0.03
40	113	165.00	-418.70	140.96	1.32	169.79	0.44	-5.26e-03
40	113	210.00	-406.78	140.77	1.22	159.45	0.99	-9.18e-03
40	113	253.33	-397.20	140.52	-0.65	149.52	1.10	-0.05
40	113	296.67	-393.39	140.22	-1.23	132.52	0.63	-0.04
40	113	340.00	-310.12	139.96	-0.92	105.93	0.24	-0.05
40	114	0.0	-32.93	-143.73	0.28	-137.79	0.09	0.10
40	114	40.00	-32.93	-143.73	0.28	-137.33	0.03	0.09
40	114	80.00	-51.13	-143.55	-0.10	-124.79	0.08	0.10
40	114	120.00	-68.08	-143.44	-1.18	-111.79	-0.15	0.02
40	114	165.00	-85.54	-143.32	-1.38	-97.32	-0.75	3.20e-03
40	114	210.00	-102.29	-143.15	-1.16	-83.52	-1.28	0.01
40	114	253.33	-115.11	-142.92	0.70	-70.98	-1.37	0.05
40	114	296.67	-119.95	-142.66	1.36	-52.72	-0.84	0.04
40	114	340.00	-69.07	-142.44	1.35	-71.82	-0.25	0.06
40	117	0.0	-419.45	149.44	-0.45	211.18	-0.06	-0.13
40	117	40.00	-419.45	149.44	-0.45	211.64	-0.12	-0.14
40	117	80.00	-414.84	149.21	-0.02	203.86	-0.15	-0.13
40	117	120.00	-408.68	149.05	0.55	195.16	-0.08	-0.08
40	117	165.00	-400.90	148.89	0.73	185.59	0.31	-0.04
40	117	210.00	-392.29	148.69	0.84	176.02	0.67	-0.04
40	117	253.33	-385.13	148.44	-0.42	165.82	0.68	-0.08
40	117	296.67	-383.96	148.14	-0.90	146.16	0.40	-0.05
40	117	340.00	-299.03	147.84	-0.53	119.45	0.16	-0.07
40	130	0.0	-120.01	-164.05	0.27	-302.64	0.08	0.08
40	130	40.00	-120.01	-164.05	0.27	-302.17	0.02	0.08
40	130	80.00	-126.27	-163.78	-0.19	-273.60	-0.13	0.07
40	130	120.00	-130.44	-163.58	0.14	-247.01	4.16e-03	0.07
40	130	165.00	-133.24	-163.36	0.29	-220.68	-0.20	0.05
40	130	210.00	-135.01	-163.09	-0.23	-194.59	-0.28	0.04
40	130	253.33	-135.82	-162.78	0.03	-170.29	-0.11	0.03
40	130	296.67	-132.64	-162.45	0.33	-143.35	-2.36e-03	0.01
40	130	340.00	-86.72	-162.01	0.11	-151.78	0.02	0.02
40	145	0.0	-471.52	159.39	-0.66	216.09	-0.11	-0.12
40	145	40.00	-471.52	159.39	-0.66	216.56	-0.17	-0.11
40	145	80.00	-463.17	159.15	-0.13	208.52	-0.32	-0.12
40	145	120.00	-452.67	159.02	1.15	198.66	-0.13	-0.03
40	145	165.00	-439.68	158.87	1.49	186.68	0.51	-5.94e-03
40	145	210.00	-425.95	158.67	1.37	174.79	1.13	-0.01
40	145	253.33	-414.96	158.38	-0.74	163.42	1.26	-0.05
40	145	296.67	-410.59	158.04	-1.39	144.18	0.72	-0.04
40	145	340.00	-325.29	157.76	-1.06	117.14	0.27	-0.06
40	146	0.0	-6.94	-161.70	0.34	-158.87	0.11	0.11
40	146	40.00	-6.94	-161.70	0.34	-158.40	0.04	0.10
40	146	80.00	-26.71	-161.49	-0.09	-144.63	0.11	0.12
40	146	120.00	-45.29	-161.37	-1.31	-130.26	-0.15	0.03
40	146	165.00	-64.56	-161.24	-1.54	-114.21	-0.82	3.87e-03
40	146	210.00	-83.12	-161.04	-1.31	-98.87	-1.41	0.01
40	146	253.33	-97.36	-160.78	0.78	-84.88	-1.52	0.06
40	146	296.67	-102.75	-160.49	1.52	-64.37	-0.93	0.05
40	146	340.00	-53.90	-160.24	1.49	-83.03	-0.28	0.07
40	149	0.0	-442.56	168.98	-0.50	235.71	-0.07	-0.14
40	149	40.00	-442.56	168.98	-0.50	236.18	-0.13	-0.15
40	149	80.00	-436.63	168.71	-0.01	226.92	-0.16	-0.14
40	149	120.00	-429.17	168.54	0.63	216.71	-0.07	-0.09
40	149	165.00	-419.99	168.36	0.82	205.52	0.36	-0.05
40	149	210.00	-409.95	168.13	0.93	194.35	0.76	-0.04
40	149	253.33	-401.66	167.85	-0.47	182.50	0.78	-0.09
40	149	296.67	-400.29	167.52	-1.02	160.05	0.45	-0.06
40	149	340.00	-313.08	167.18	-0.62	132.99	0.17	-0.08
40	162	0.0	-104.74	-184.80	0.32	-344.81	0.09	0.09
40	162	40.00	-104.74	-184.80	0.32	-344.35	0.03	0.09
40	162	80.00	-111.09	-184.50	-0.20	-312.50	-0.13	0.08
40	162	120.00	-115.30	-184.27	0.17	-282.79	0.02	0.08
40	162	165.00	-118.08	-184.02	0.33	-253.35	-0.20	0.06
40	162	210.00	-119.79	-183.72	-0.26	-224.12	-0.29	0.05
40	162	253.33	-120.53	-183.37	0.03	-196.86	-0.11	0.04

40	162	296.67	-116.89	-182.99	0.36	-166.52	0.01	0.02
40	162	340.00	-73.64	-182.50	0.09	-173.20	0.02	0.02
40	177	0.0	-468.01	157.80	-0.66	220.11	-0.11	-0.11
40	177	40.00	-468.01	157.80	-0.66	220.57	-0.17	-0.11
40	177	80.00	-459.96	157.56	-0.14	212.02	-0.33	-0.12
40	177	120.00	-449.77	157.42	1.09	201.61	-0.15	-0.03
40	177	165.00	-437.07	157.27	1.43	188.97	0.47	-0.01
40	177	210.00	-423.54	157.07	1.32	176.24	1.07	-0.01
40	177	253.33	-412.72	156.79	-0.71	163.88	1.20	-0.05
40	177	296.67	-408.38	156.47	-1.33	144.01	0.68	-0.04
40	177	340.00	-323.58	156.19	-1.00	117.76	0.26	-0.06
40	178	0.0	-10.44	-160.11	0.35	-162.88	0.11	0.11
40	178	40.00	-10.44	-160.11	0.35	-162.42	0.04	0.10
40	178	80.00	-29.92	-159.90	-0.08	-148.13	0.11	0.12
40	178	120.00	-48.19	-159.78	-1.26	-133.21	-0.13	0.03
40	178	165.00	-67.17	-159.64	-1.49	-116.51	-0.78	8.20e-03
40	178	210.00	-85.53	-159.44	-1.27	-100.31	-1.36	0.02
40	178	253.33	-99.59	-159.19	0.76	-85.34	-1.46	0.06
40	178	296.67	-104.96	-158.91	1.46	-64.20	-0.89	0.05
40	178	340.00	-55.61	-158.67	1.43	-83.66	-0.26	0.07
40	181	0.0	-443.41	172.16	-0.50	247.88	-0.07	-0.15
40	181	40.00	-443.41	172.16	-0.50	248.35	-0.13	-0.16
40	181	80.00	-437.46	171.88	-0.02	238.08	-0.17	-0.15
40	181	120.00	-430.01	171.70	0.57	226.76	-0.09	-0.09
40	181	165.00	-420.81	171.52	0.77	214.28	0.32	-0.06
40	181	210.00	-410.64	171.29	0.90	201.62	0.70	-0.05
40	181	253.33	-402.39	171.01	-0.44	187.96	0.72	-0.09
40	181	296.67	-401.26	170.69	-0.96	163.66	0.42	-0.06
40	181	340.00	-313.82	170.34	-0.56	137.87	0.16	-0.08
40	194	0.0	-104.11	-185.46	0.31	-346.45	0.09	0.09
40	194	40.00	-104.11	-185.46	0.31	-345.99	0.03	0.09
40	194	80.00	-110.58	-185.15	-0.20	-313.97	-0.13	0.08
40	194	120.00	-114.90	-184.92	0.18	-284.04	0.02	0.08
40	194	165.00	-117.82	-184.67	0.32	-254.30	-0.20	0.06
40	194	210.00	-119.73	-184.37	-0.25	-224.69	-0.28	0.05
40	194	253.33	-120.57	-184.03	0.03	-196.95	-0.10	0.04
40	194	296.67	-117.00	-183.65	0.34	-166.14	0.02	0.02
40	194	340.00	-73.64	-183.16	0.08	-173.41	0.02	0.02
40	209	0.0	-505.91	184.71	-0.74	255.82	-0.12	-0.13
40	209	40.00	-505.91	184.71	-0.74	256.29	-0.18	-0.12
40	209	80.00	-495.62	184.43	-0.14	245.44	-0.36	-0.14
40	209	120.00	-483.12	184.26	1.27	232.51	-0.14	-0.04
40	209	165.00	-467.82	184.09	1.66	216.95	0.57	-0.01
40	209	210.00	-451.64	183.85	1.52	201.21	1.27	-0.02
40	209	253.33	-438.77	183.53	-0.83	185.91	1.41	-0.06
40	209	296.67	-433.63	183.16	-1.55	162.10	0.80	-0.05
40	209	340.00	-345.98	182.83	-1.19	135.71	0.30	-0.07
40	210	0.0	27.45	-187.01	0.42	-198.60	0.12	0.13
40	210	40.00	27.45	-187.01	0.42	-198.13	0.06	0.12
40	210	80.00	5.74	-186.77	-0.08	-181.55	0.14	0.14
40	210	120.00	-14.85	-186.62	-1.44	-164.11	-0.14	0.04
40	210	165.00	-36.42	-186.45	-1.72	-144.48	-0.88	0.01
40	210	210.00	-57.43	-186.22	-1.47	-125.28	-1.55	0.02
40	210	253.33	-73.55	-185.93	0.88	-107.37	-1.67	0.07
40	210	296.67	-79.71	-185.60	1.68	-82.29	-1.01	0.06
40	210	340.00	-33.21	-185.31	1.62	-101.61	-0.30	0.08
40	213	0.0	-482.70	206.28	-0.56	293.99	-0.08	-0.17
40	213	40.00	-482.70	206.28	-0.56	294.45	-0.14	-0.19
40	213	80.00	-474.45	205.95	-5.01e-03	281.35	-0.18	-0.18
40	213	120.00	-464.77	205.73	0.68	267.03	-0.08	-0.11
40	213	165.00	-453.15	205.51	0.90	251.29	0.40	-0.07
40	213	210.00	-440.45	205.24	1.04	235.30	0.85	-0.06
40	213	253.33	-430.32	204.91	-0.53	218.02	0.87	-0.10
40	213	296.67	-428.98	204.54	-1.14	188.16	0.50	-0.08
40	213	340.00	-337.60	204.14	-0.69	162.51	0.19	-0.09
40	226	0.0	-79.12	-218.42	0.38	-412.44	0.11	0.11
40	226	40.00	-79.12	-218.42	0.38	-411.98	0.04	0.11
40	226	80.00	-85.90	-218.05	-0.21	-374.83	-0.13	0.10
40	226	120.00	-90.44	-217.78	0.22	-339.98	0.04	0.09
40	226	165.00	-93.52	-217.48	0.37	-305.28	-0.21	0.07
40	226	210.00	-95.55	-217.13	-0.29	-270.65	-0.31	0.06
40	226	253.33	-96.41	-216.72	0.04	-238.07	-0.10	0.04
40	226	296.67	-92.16	-216.28	0.39	-201.68	0.03	0.02
40	226	340.00	-52.96	-215.70	0.06	-206.65	0.03	0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-505.91	-218.42	-1.72	-412.44	-1.67	-0.19
	27.45	206.28	1.68	294.45	1.41	0.14

Macro	Tipo	Angolo 1-Z (gradi)
41	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
41	18	0.0	-183.87	0.62	2.36	-0.92	0.0	8.60e-04
41	18	40.00	-183.87	0.62	2.36	-0.68	0.95	1.39e-03
41	18	80.00	-174.88	0.57	1.55	-0.65	1.57	1.17e-03
41	18	120.00	-168.84	0.70	0.54	-0.78	1.78	1.17e-03
41	18	165.00	-163.00	0.70	0.36	-0.46	1.94	1.18e-03
41	18	210.00	-157.75	0.70	0.24	-0.15	2.05	1.19e-03
41	18	253.33	-152.67	0.20	-0.95	-0.13	1.64	1.15e-03
41	18	296.67	-150.07	-0.20	-1.53	-0.15	0.98	1.24e-03
41	18	340.00	-130.30	-0.42	-2.26	-0.09	0.0	9.92e-04
41	19	0.0	-67.36	0.27	2.29	-0.45	0.0	7.99e-04
41	19	40.00	-67.36	0.27	2.29	-0.34	0.92	1.29e-03
41	19	80.00	-64.76	0.27	1.51	-0.31	1.52	1.08e-03
41	19	120.00	-63.42	0.37	0.50	-0.38	1.72	1.09e-03
41	19	165.00	-61.90	0.37	0.33	-0.21	1.87	1.09e-03
41	19	210.00	-60.55	0.37	0.22	-0.04	1.97	1.11e-03
41	19	253.33	-58.82	0.15	-0.96	-9.33e-03	1.56	1.09e-03
41	19	296.67	-58.08	9.15e-03	-1.50	-0.03	0.91	1.18e-03
41	19	340.00	-50.70	-0.07	-2.09	-0.01	0.0	9.58e-04
41	28	0.0	-250.56	0.70	-0.48	-0.90	0.0	-3.18e-04
41	28	40.00	-250.56	0.70	-0.48	-0.62	-0.19	-5.15e-04
41	28	80.00	-235.57	0.58	-0.33	-0.64	-0.32	-4.34e-04
41	28	120.00	-224.41	0.62	-0.06	-0.77	-0.35	-4.29e-04
41	28	165.00	-213.66	0.62	-0.03	-0.50	-0.36	-4.36e-04
41	28	210.00	-203.69	0.62	-0.02	-0.22	-0.37	-4.56e-04
41	28	253.33	-194.40	0.04	0.29	-0.22	-0.24	-4.99e-04
41	28	296.67	-188.35	-0.49	0.36	-0.25	-0.09	-5.48e-04
41	28	340.00	-161.26	-0.81	0.20	-0.17	0.0	-4.59e-04
41	72	0.0	-80.94	0.28	1.56	-0.42	0.0	5.42e-04
41	72	40.00	-80.94	0.28	1.56	-0.31	0.62	8.77e-04
41	72	80.00	-77.11	0.26	1.03	-0.29	1.03	7.35e-04
41	72	120.00	-74.71	0.34	0.35	-0.36	1.17	7.38e-04
41	72	165.00	-72.17	0.34	0.23	-0.21	1.28	7.42e-04
41	72	210.00	-69.86	0.34	0.16	-0.06	1.35	7.50e-04
41	72	253.33	-67.27	0.11	-0.64	-0.03	1.07	7.30e-04
41	72	296.67	-65.83	-0.06	-1.02	-0.05	0.63	7.91e-04
41	72	340.00	-56.97	-0.16	-1.45	-0.03	0.0	6.36e-04
41	75	0.0	-131.71	0.44	1.58	-0.64	0.0	5.74e-04
41	75	40.00	-131.71	0.44	1.58	-0.47	0.63	9.29e-04
41	75	80.00	-125.15	0.40	1.04	-0.45	1.05	7.81e-04
41	75	120.00	-120.73	0.49	0.36	-0.54	1.20	7.83e-04
41	75	165.00	-116.41	0.49	0.24	-0.32	1.30	7.87e-04
41	75	210.00	-112.51	0.49	0.17	-0.11	1.38	7.93e-04
41	75	253.33	-108.67	0.13	-0.63	-0.09	1.10	7.68e-04
41	75	296.67	-106.63	-0.15	-1.02	-0.11	0.66	8.25e-04
41	75	340.00	-92.42	-0.31	-1.52	-0.07	0.0	6.58e-04
41	80	0.0	-176.17	0.49	-0.31	-0.63	0.0	-2.11e-04
41	80	40.00	-176.17	0.49	-0.31	-0.43	-0.12	-3.42e-04
41	80	80.00	-165.61	0.40	-0.21	-0.44	-0.21	-2.88e-04
41	80	120.00	-157.78	0.43	-0.04	-0.54	-0.22	-2.85e-04
41	80	165.00	-150.19	0.43	-0.02	-0.35	-0.23	-2.90e-04
41	80	210.00	-143.13	0.43	-9.20e-03	-0.15	-0.24	-3.04e-04
41	80	253.33	-136.50	0.03	0.20	-0.15	-0.15	-3.34e-04
41	80	296.67	-132.14	-0.35	0.23	-0.17	-0.05	-3.68e-04
41	80	340.00	-113.06	-0.57	0.12	-0.12	0.0	-3.09e-04
41	98	0.0	-141.16	0.39	0.10	-0.51	0.0	4.79e-05
41	98	40.00	-141.16	0.39	0.10	-0.35	0.04	7.88e-05
41	98	80.00	-133.06	0.32	0.06	-0.35	0.07	7.12e-05
41	98	120.00	-127.22	0.36	0.05	-0.44	0.09	6.99e-05
41	98	165.00	-121.50	0.36	0.04	-0.28	0.10	6.81e-05
41	98	210.00	-116.21	0.36	0.03	-0.12	0.12	6.08e-05
41	98	253.33	-111.09	0.03	4.10e-03	-0.11	0.12	3.94e-05
41	98	296.67	-107.85	-0.26	-0.05	-0.13	0.10	2.69e-05
41	98	340.00	-92.56	-0.44	-0.22	-0.09	0.0	6.60e-06
41	102	0.0	-93.62	0.26	0.37	-0.34	0.0	1.25e-04
41	102	40.00	-93.62	0.26	0.37	-0.24	0.15	2.04e-04

41	102	80.00	-88.28	0.22	0.25	-0.23	0.25	1.73e-04
41	102	120.00	-84.54	0.25	0.10	-0.30	0.29	1.73e-04
41	102	165.00	-80.70	0.25	0.07	-0.19	0.32	1.73e-04
41	102	210.00	-77.12	0.25	0.05	-0.08	0.34	1.70e-04
41	102	253.33	-73.38	0.03	-0.13	-0.05	0.28	1.52e-04
41	102	296.67	-70.92	-0.16	-0.24	-0.07	0.18	1.57e-04
41	102	340.00	-60.65	-0.27	-0.42	-0.05	0.0	1.18e-04
41	103	0.0	-131.65	0.37	0.39	-0.50	0.0	1.48e-04
41	103	40.00	-131.65	0.37	0.39	-0.35	0.16	2.41e-04
41	103	80.00	-124.27	0.32	0.26	-0.35	0.26	2.06e-04
41	103	120.00	-119.02	0.36	0.11	-0.43	0.30	2.06e-04
41	103	165.00	-113.84	0.36	0.08	-0.27	0.34	2.05e-04
41	103	210.00	-109.07	0.36	0.05	-0.11	0.36	2.01e-04
41	103	253.33	-104.40	0.05	-0.12	-0.09	0.31	1.79e-04
41	103	296.67	-101.48	-0.23	-0.24	-0.12	0.20	1.81e-04
41	103	340.00	-87.21	-0.39	-0.47	-0.08	0.0	1.34e-04
41	106	0.0	-96.79	0.26	0.08	-0.32	0.0	2.13e-05
41	106	40.00	-96.79	0.26	0.08	-0.22	0.03	3.52e-05
41	106	80.00	-91.07	0.21	0.05	-0.21	0.05	3.22e-05
41	106	120.00	-87.00	0.23	0.04	-0.29	0.07	3.21e-05
41	106	165.00	-82.83	0.23	0.03	-0.18	0.08	3.06e-05
41	106	210.00	-78.93	0.23	0.02	-0.08	0.09	2.49e-05
41	106	253.33	-74.91	0.02	-1.52e-03	-0.05	0.09	7.94e-06
41	106	296.67	-72.19	-0.18	-0.04	-0.08	0.07	-1.31e-06
41	106	340.00	-61.57	-0.30	-0.16	-0.06	0.0	-1.17e-05
41	107	0.0	-134.82	0.37	0.10	-0.48	0.0	4.41e-05
41	107	40.00	-134.82	0.37	0.10	-0.33	0.04	7.26e-05
41	107	80.00	-127.06	0.31	0.06	-0.33	0.06	6.56e-05
41	107	120.00	-121.48	0.34	0.05	-0.42	0.08	6.45e-05
41	107	165.00	-115.97	0.34	0.04	-0.27	0.10	6.27e-05
41	107	210.00	-110.88	0.34	0.03	-0.11	0.11	5.57e-05
41	107	253.33	-105.92	0.03	3.29e-03	-0.10	0.11	3.49e-05
41	107	296.67	-102.75	-0.25	-0.05	-0.12	0.09	2.29e-05
41	107	340.00	-88.13	-0.42	-0.21	-0.09	0.0	3.99e-06
41	113	0.0	-140.95	52.04	-0.09	-78.50	-0.04	-0.08
41	113	40.00	-140.95	52.04	-0.09	-78.35	-5.76e-04	-0.08
41	113	80.00	-132.67	60.44	-0.04	-77.92	-0.04	-0.08
41	113	120.00	-132.84	96.75	-0.01	-101.49	-0.07	-0.08
41	113	165.00	-122.35	96.72	0.01	-57.34	-0.04	-0.07
41	113	210.00	-120.26	97.30	0.03	-11.93	-0.04	-0.08
41	113	253.33	-113.44	57.81	0.02	-0.80	-0.03	-0.08
41	113	296.67	-108.08	45.71	0.04	1.27	-1.01e-03	-0.08
41	113	340.00	-94.36	46.62	-0.06	-1.05	-0.04	-0.07
41	118	0.0	-130.47	-27.14	0.25	39.87	0.03	0.08
41	118	40.00	-130.47	-27.14	0.25	40.02	0.07	0.09
41	118	80.00	-123.00	-33.26	0.16	39.55	0.15	0.09
41	118	120.00	-112.12	-52.96	0.09	52.07	0.21	0.09
41	118	165.00	-111.61	-52.76	0.05	28.59	0.22	0.09
41	118	210.00	-103.12	-52.33	0.02	5.01	0.23	0.08
41	118	253.33	-99.94	-30.95	-0.03	-0.12	0.23	0.08
41	118	296.67	-98.72	-25.79	-0.12	-0.25	0.17	0.08
41	118	340.00	-82.95	-26.08	-0.34	0.69	0.03	0.08
41	136	0.0	2.55	-9.51	0.27	16.33	0.03	-0.03
41	136	40.00	2.55	-9.51	0.27	16.48	0.07	-0.03
41	136	80.00	-0.68	-7.69	0.29	16.97	0.17	-0.03
41	136	120.00	-7.56	-13.26	0.09	21.89	0.22	-0.03
41	136	165.00	-12.30	-13.68	0.24	13.16	0.25	-0.04
41	136	210.00	-21.04	-15.35	0.17	3.52	0.36	-0.03
41	136	253.33	-28.06	-10.11	-0.09	0.56	0.35	-0.03
41	136	296.67	-36.18	-2.51	-0.28	-1.84	0.23	-0.03
41	136	340.00	-39.44	-5.60	-0.48	0.04	0.06	-0.02
41	139	0.0	-272.19	10.25	-0.07	-17.29	-0.03	0.03
41	139	40.00	-272.19	10.25	-0.07	-17.14	6.97e-03	0.03
41	139	80.00	-253.45	8.31	-0.16	-17.63	-0.04	0.03
41	139	120.00	-235.39	13.94	7.46e-03	-22.73	-0.06	0.03
41	139	165.00	-219.65	14.35	-0.17	-13.69	-0.05	0.04
41	139	210.00	-200.72	16.03	-0.11	-3.75	-0.14	0.03
41	139	253.33	-183.78	10.17	0.10	-0.76	-0.13	0.03
41	139	296.67	-169.32	2.01	0.18	1.60	-0.05	0.03
41	139	340.00	-136.82	4.77	0.05	-0.21	-0.06	0.02
41	145	0.0	-141.68	58.50	-0.11	-88.25	-0.04	-0.09
41	145	40.00	-141.68	58.50	-0.11	-88.11	-5.22e-03	-0.09
41	145	80.00	-133.33	67.96	-0.05	-87.62	-0.05	-0.10
41	145	120.00	-134.23	108.81	-0.02	-114.13	-0.08	-0.09
41	145	165.00	-123.12	108.78	7.53e-03	-64.48	-0.06	-0.08

41	145	210.00	-121.41	109.44	0.03	-13.41	-0.06	-0.09
41	145	253.33	-114.36	65.04	0.03	-0.89	-0.04	-0.09
41	145	296.67	-108.73	51.47	0.05	1.44	-0.01	-0.09
41	145	340.00	-95.12	52.51	-0.04	-1.17	-0.04	-0.08
41	150	0.0	-130.11	-30.38	0.27	44.63	0.04	0.09
41	150	40.00	-130.11	-30.38	0.27	44.78	0.08	0.10
41	150	80.00	-122.65	-37.23	0.17	44.25	0.16	0.10
41	150	120.00	-111.11	-59.25	0.09	58.28	0.23	0.10
41	150	165.00	-111.19	-59.03	0.06	32.00	0.23	0.10
41	150	210.00	-102.26	-58.55	0.02	5.59	0.24	0.09
41	150	253.33	-99.28	-34.61	-0.03	-0.13	0.25	0.09
41	150	296.67	-98.27	-28.82	-0.13	-0.27	0.18	0.09
41	150	340.00	-82.35	-29.13	-0.36	0.79	0.04	0.09
41	168	0.0	19.80	-10.78	0.29	18.47	0.04	-0.03
41	168	40.00	19.80	-10.78	0.29	18.62	0.08	-0.03
41	168	80.00	15.19	-8.74	0.31	19.17	0.18	-0.03
41	168	120.00	6.75	-15.03	0.09	24.72	0.24	-0.04
41	168	165.00	0.72	-15.50	0.27	14.86	0.27	-0.05
41	168	210.00	-9.77	-17.38	0.18	3.98	0.39	-0.03
41	168	253.33	-18.31	-11.41	-0.11	0.64	0.38	-0.03
41	168	296.67	-27.85	-2.83	-0.31	-2.05	0.25	-0.03
41	168	340.00	-33.35	-6.27	-0.51	0.05	0.06	-0.03
41	171	0.0	-289.44	11.52	-0.09	-19.43	-0.04	0.03
41	171	40.00	-289.44	11.52	-0.09	-19.29	3.52e-03	0.03
41	171	80.00	-269.32	9.36	-0.19	-19.83	-0.05	0.03
41	171	120.00	-249.70	15.71	2.77e-03	-25.56	-0.07	0.04
41	171	165.00	-232.67	16.18	-0.20	-15.39	-0.07	0.05
41	171	210.00	-211.99	18.06	-0.13	-4.21	-0.17	0.03
41	171	253.33	-193.53	11.48	0.11	-0.84	-0.15	0.03
41	171	296.67	-177.66	2.33	0.21	1.80	-0.06	0.03
41	171	340.00	-142.92	5.44	0.08	-0.23	-0.06	0.03
41	177	0.0	-141.60	56.16	-0.10	-84.76	-0.04	-0.09
41	177	40.00	-141.60	56.16	-0.10	-84.61	-1.49e-03	-0.09
41	177	80.00	-133.31	65.27	-0.05	-84.14	-0.04	-0.09
41	177	120.00	-133.85	104.52	-0.01	-109.62	-0.07	-0.09
41	177	165.00	-123.10	104.50	9.82e-03	-61.93	-0.05	-0.08
41	177	210.00	-121.22	105.14	0.03	-12.82	-0.05	-0.09
41	177	253.33	-114.23	62.52	0.02	-0.83	-0.04	-0.09
41	177	296.67	-108.78	49.48	0.05	1.34	-6.78e-03	-0.09
41	177	340.00	-95.02	50.48	-0.05	-1.12	-0.04	-0.08
41	182	0.0	-131.58	-27.79	0.26	40.91	0.04	0.10
41	182	40.00	-131.58	-27.79	0.26	41.06	0.07	0.10
41	182	80.00	-123.92	-34.15	0.16	40.60	0.15	0.10
41	182	120.00	-112.52	-54.41	0.09	53.69	0.22	0.10
41	182	165.00	-112.17	-54.18	0.05	29.36	0.23	0.11
41	182	210.00	-103.18	-53.70	0.02	4.90	0.23	0.10
41	182	253.33	-100.04	-31.77	-0.03	-0.20	0.24	0.10
41	182	296.67	-98.76	-26.56	-0.13	-0.32	0.17	0.09
41	182	340.00	-82.82	-26.88	-0.35	0.77	0.03	0.09
41	200	0.0	18.33	-10.96	0.27	18.59	0.03	-0.04
41	200	40.00	18.33	-10.96	0.27	18.74	0.07	-0.03
41	200	80.00	13.85	-9.13	0.30	19.22	0.17	-0.04
41	200	120.00	5.61	-15.59	0.09	24.73	0.22	-0.04
41	200	165.00	-0.41	-16.11	0.26	14.85	0.26	-0.05
41	200	210.00	-10.77	-17.97	0.18	3.99	0.38	-0.03
41	200	253.33	-19.29	-11.73	-0.10	0.63	0.37	-0.03
41	200	296.67	-28.80	-3.31	-0.30	-1.86	0.24	-0.03
41	200	340.00	-34.00	-6.60	-0.50	0.04	0.06	-0.03
41	203	0.0	-287.96	11.70	-0.07	-19.55	-0.03	0.04
41	203	40.00	-287.96	11.70	-0.07	-19.40	7.96e-03	0.03
41	203	80.00	-267.97	9.75	-0.17	-19.88	-0.04	0.04
41	203	120.00	-248.56	16.27	5.63e-03	-25.57	-0.06	0.04
41	203	165.00	-231.54	16.78	-0.19	-15.38	-0.06	0.05
41	203	210.00	-210.99	18.64	-0.13	-4.22	-0.15	0.03
41	203	253.33	-192.55	11.80	0.11	-0.83	-0.14	0.03
41	203	296.67	-176.70	2.81	0.20	1.61	-0.05	0.03
41	203	340.00	-142.26	5.77	0.07	-0.22	-0.06	0.03
41	204	0.0	-46.07	64.36	5.29e-03	-97.48	-0.02	-0.10
41	204	40.00	-46.07	64.36	5.29e-03	-97.33	0.02	-0.10
41	204	80.00	-45.29	75.03	0.10	-96.69	0.02	-0.11
41	204	120.00	-54.82	120.36	7.72e-03	-126.28	0.01	-0.10
41	204	165.00	-51.54	120.33	0.14	-71.32	0.05	-0.09
41	204	210.00	-59.06	121.08	0.12	-14.67	0.08	-0.10
41	204	253.33	-60.61	72.25	-0.04	-0.88	0.11	-0.10
41	204	296.67	-63.07	59.81	-0.10	1.60	0.07	-0.10

41	204	340.00	-61.49	60.00	-0.20	-1.22	-9.61e-03	-0.09
41	214	0.0	-132.62	-32.08	0.29	47.29	0.04	0.12
41	214	40.00	-132.62	-32.08	0.29	47.43	0.08	0.12
41	214	80.00	-124.82	-39.43	0.18	46.91	0.17	0.13
41	214	120.00	-112.27	-62.83	0.10	62.15	0.25	0.12
41	214	165.00	-112.63	-62.55	0.06	33.95	0.25	0.13
41	214	210.00	-102.77	-61.99	0.02	5.56	0.25	0.12
41	214	253.33	-99.81	-36.66	-0.03	-0.26	0.26	0.12
41	214	296.67	-98.69	-30.66	-0.14	-0.39	0.19	0.11
41	214	340.00	-82.36	-31.02	-0.37	0.93	0.04	0.11
41	232	0.0	43.96	-12.75	0.29	21.56	0.04	-0.04
41	232	40.00	43.96	-12.75	0.29	21.71	0.08	-0.04
41	232	80.00	37.43	-10.65	0.34	22.26	0.18	-0.04
41	232	120.00	26.86	-18.13	0.10	28.60	0.25	-0.05
41	232	165.00	18.90	-18.74	0.30	17.19	0.28	-0.06
41	232	210.00	5.92	-20.89	0.20	4.66	0.42	-0.04
41	232	253.33	-4.86	-13.59	-0.12	0.75	0.41	-0.04
41	232	296.67	-16.54	-3.80	-0.34	-2.09	0.26	-0.04
41	232	340.00	-25.01	-7.56	-0.55	0.05	0.07	-0.04
41	235	0.0	-313.60	13.49	-0.10	-22.52	-0.04	0.04
41	235	40.00	-313.60	13.49	-0.10	-22.38	2.81e-03	0.04
41	235	80.00	-291.55	11.26	-0.21	-22.92	-0.06	0.04
41	235	120.00	-269.81	18.80	-8.31e-04	-29.43	-0.08	0.05
41	235	165.00	-250.85	19.41	-0.22	-17.72	-0.08	0.06
41	235	210.00	-227.69	21.57	-0.15	-4.89	-0.20	0.04
41	235	253.33	-206.99	13.65	0.12	-0.95	-0.18	0.04
41	235	296.67	-188.96	3.30	0.24	1.84	-0.08	0.04
41	235	340.00	-151.26	6.73	0.12	-0.23	-0.07	0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-313.60	-62.83	-2.26	-126.28	-0.37	-0.11
	43.96	121.08	2.36	62.15	2.05	0.13

Macro	Tipo	Angolo 1-Z (gradi)
42	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
42	19	0.0	-1.30	0.17	0.29	-9.15e-03	0.0	-0.08
42	19	40.00	-1.30	0.17	0.29	0.06	0.11	-0.13
42	19	80.00	-0.72	0.13	-0.29	0.05	0.0	-0.08
42	28	0.0	-1.87	0.61	-0.08	-0.13	0.0	0.03
42	28	40.00	-1.87	0.61	-0.08	0.12	-0.03	0.04
42	28	80.00	-1.04	0.39	0.08	0.08	0.0	0.03
42	72	0.0	-1.32	0.19	0.19	-0.02	0.0	-0.05
42	72	40.00	-1.32	0.19	0.19	0.05	0.08	-0.08
42	72	80.00	-0.72	0.14	-0.19	0.04	0.0	-0.05
42	80	0.0	-1.42	0.43	-0.06	-0.09	0.0	0.02
42	80	40.00	-1.42	0.43	-0.06	0.08	-0.02	0.03
42	80	80.00	-0.79	0.27	0.06	0.05	0.0	0.02
42	98	0.0	-1.39	0.33	8.24e-04	-0.07	0.0	1.81e-03
42	98	40.00	-1.39	0.33	8.23e-04	0.06	3.29e-04	2.77e-03
42	98	80.00	-0.77	0.21	-8.25e-04	0.04	0.0	1.72e-03
42	102	0.0	-1.34	0.21	0.04	-0.04	0.0	-9.90e-03
42	102	40.00	-1.34	0.21	0.04	0.04	0.02	-0.02
42	102	80.00	-0.73	0.14	-0.04	0.02	0.0	-9.19e-03
42	106	0.0	-1.34	0.22	6.27e-04	-0.05	0.0	1.36e-03
42	106	40.00	-1.34	0.22	6.26e-04	0.04	2.51e-04	2.08e-03
42	106	80.00	-0.74	0.14	-6.27e-04	0.02	0.0	1.29e-03
42	107	0.0	-1.38	0.32	7.96e-04	-0.07	0.0	1.75e-03
42	107	40.00	-1.38	0.32	7.95e-04	0.06	3.18e-04	2.67e-03
42	107	80.00	-0.76	0.20	-7.96e-04	0.04	0.0	1.66e-03
42	108	0.0	0.42	27.06	0.02	20.22	5.14e-04	-0.05
42	108	40.00	0.42	27.06	0.02	20.35	8.32e-04	-0.05
42	108	80.00	-0.24	23.83	-0.02	20.30	5.14e-04	-0.05
42	111	0.0	-3.18	-26.43	-0.02	-20.36	-5.14e-04	0.05
42	111	40.00	-3.18	-26.43	-0.02	-20.23	-1.96e-04	0.05
42	111	80.00	-1.28	-23.42	0.02	-20.23	-5.14e-04	0.05
42	113	0.0	0.41	27.29	-0.01	20.20	-5.13e-03	-0.04
42	113	40.00	0.40	27.29	-0.01	20.33	-4.82e-03	-0.03
42	113	80.00	-0.24	23.92	6.47e-03	20.26	-5.13e-03	-0.04
42	115	0.0	-2.72	-19.54	-0.02	-15.20	-1.38e-03	0.05
42	115	40.00	-2.72	-19.54	-0.02	-15.08	-1.06e-03	0.05
42	115	80.00	-1.15	-17.38	0.02	-15.08	-1.38e-03	0.05

42	140	0.0	0.65	30.40	0.02	22.76	5.64e-04	-0.05
42	140	40.00	0.64	30.40	0.02	22.89	8.82e-04	-0.05
42	140	80.00	-0.17	26.78	-0.02	22.84	5.64e-04	-0.05
42	143	0.0	-3.40	-29.77	-0.02	-22.89	-5.64e-04	0.06
42	143	40.00	-3.40	-29.77	-0.02	-22.77	-2.46e-04	0.06
42	143	80.00	-1.35	-26.38	0.02	-22.76	-5.64e-04	0.05
42	145	0.0	0.63	30.67	-0.01	22.74	-5.73e-03	-0.04
42	145	40.00	0.63	30.67	-0.01	22.86	-5.41e-03	-0.04
42	145	80.00	-0.17	26.89	7.21e-03	22.79	-5.73e-03	-0.04
42	155	0.0	-2.39	-14.74	-0.03	-11.58	-2.04e-03	0.06
42	155	40.00	-2.39	-14.74	-0.03	-11.46	-1.73e-03	0.06
42	155	80.00	-1.04	-13.15	0.02	-11.47	-2.04e-03	0.06
42	172	0.0	0.57	29.15	0.02	21.84	5.21e-04	-0.05
42	172	40.00	0.57	29.15	0.02	21.97	8.39e-04	-0.05
42	172	80.00	-0.20	25.70	-0.02	21.92	5.21e-04	-0.05
42	175	0.0	-3.33	-28.52	-0.02	-21.98	-5.21e-04	0.06
42	175	40.00	-3.33	-28.52	-0.02	-21.85	-2.03e-04	0.06
42	175	80.00	-1.33	-25.29	0.02	-21.85	-5.21e-04	0.05
42	177	0.0	0.55	29.42	-0.01	21.82	-5.30e-03	-0.04
42	177	40.00	0.55	29.42	-0.01	21.95	-4.98e-03	-0.04
42	177	80.00	-0.20	25.81	6.12e-03	21.88	-5.30e-03	-0.04
42	187	0.0	-2.31	-13.40	-0.03	-10.63	-1.83e-03	0.06
42	187	40.00	-2.31	-13.40	-0.03	-10.51	-1.51e-03	0.06
42	187	80.00	-1.02	-12.01	0.02	-10.52	-1.83e-03	0.06
42	204	0.0	0.87	33.51	0.03	25.17	6.26e-04	-0.06
42	204	40.00	0.87	33.51	0.03	25.29	9.44e-04	-0.06
42	204	80.00	-0.11	29.55	-0.02	25.24	6.26e-04	-0.06
42	207	0.0	-3.63	-32.87	-0.02	-25.30	-6.26e-04	0.07
42	207	40.00	-3.63	-32.87	-0.02	-25.18	-3.08e-04	0.07
42	207	80.00	-1.41	-29.15	0.02	-25.17	-6.26e-04	0.06
42	209	0.0	0.85	33.83	-0.02	25.15	-6.16e-03	-0.05
42	209	40.00	0.85	33.83	-0.02	25.27	-5.84e-03	-0.05
42	209	80.00	-0.11	29.69	7.26e-03	25.20	-6.16e-03	-0.05
42	219	0.0	-2.46	-15.47	-0.03	-12.26	-2.10e-03	0.07
42	219	40.00	-2.46	-15.47	-0.03	-12.13	-1.78e-03	0.07
42	219	80.00	-1.06	-13.87	0.02	-12.15	-2.10e-03	0.07

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.63	-32.87	-0.29	-25.30	-0.03	-0.13
	0.87	33.83	0.29	25.29	0.11	0.07

Macro	Tipo	Angolo 1-Z (gradi)
43	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
43	15	340.00	0.95	7.88	0.37	0.20	0.02	-0.25
43	15	392.50	0.95	7.88	0.33	4.64	0.26	-0.32
43	15	445.00	0.90	6.74	-0.44	4.67	0.0	-0.22
43	28	340.00	0.74	9.21	-0.43	0.27	-0.02	0.31
43	28	392.50	0.74	9.21	-0.39	5.73	-0.31	0.40
43	28	445.00	0.85	8.00	0.52	6.06	0.0	0.27
43	32	340.00	0.54	7.25	-0.44	0.22	-0.02	0.31
43	32	392.50	0.54	7.25	-0.39	4.54	-0.31	0.40
43	32	445.00	0.65	6.31	0.52	4.84	0.0	0.27
43	44	340.00	0.78	8.94	-0.73	0.26	-0.03	0.51
43	44	392.50	0.78	8.94	-0.66	5.51	-0.52	0.67
43	44	445.00	0.86	7.74	0.87	5.78	0.0	0.45
43	72	340.00	0.74	6.02	0.25	0.15	0.01	-0.16
43	72	392.50	0.74	6.02	0.22	3.54	0.17	-0.22
43	72	445.00	0.69	5.14	-0.29	3.56	0.0	-0.14
43	80	340.00	0.60	6.91	-0.29	0.20	-0.01	0.21
43	80	392.50	0.60	6.91	-0.26	4.27	-0.20	0.27
43	80	445.00	0.66	5.99	0.35	4.48	0.0	0.18
43	88	340.00	0.63	6.73	-0.49	0.19	-0.02	0.34
43	88	392.50	0.63	6.73	-0.44	4.12	-0.34	0.44
43	88	445.00	0.66	5.82	0.58	4.29	0.0	0.30
43	98	340.00	0.64	6.54	3.67e-03	0.18	2.39e-04	4.42e-03
43	98	392.50	0.64	6.54	3.24e-03	3.97	2.29e-03	5.81e-03
43	98	445.00	0.67	5.64	-3.78e-03	4.11	0.0	3.98e-03
43	101	340.00	0.65	6.55	3.51e-03	0.18	2.28e-04	4.24e-03
43	101	392.50	0.65	6.55	3.09e-03	3.97	2.19e-03	5.56e-03
43	101	445.00	0.67	5.64	-3.61e-03	4.10	0.0	3.81e-03
43	102	340.00	0.73	6.08	0.05	0.16	2.22e-03	-0.03

43	102	392.50	0.73	6.08	0.05	3.59	0.04	-0.04
43	102	445.00	0.68	5.20	-0.06	3.62	0.0	-0.03
43	105	340.00	0.65	6.48	-0.09	0.18	-3.95e-03	0.07
43	105	392.50	0.65	6.48	-0.09	3.92	-0.07	0.09
43	105	445.00	0.67	5.58	0.11	4.05	0.0	0.06
43	106	340.00	0.73	6.10	1.97e-03	0.16	1.29e-04	2.52e-03
43	106	392.50	0.73	6.10	1.74e-03	3.60	1.24e-03	3.31e-03
43	106	445.00	0.68	5.21	-2.05e-03	3.63	0.0	2.28e-03
43	107	340.00	0.66	6.48	3.43e-03	0.18	2.23e-04	4.15e-03
43	107	392.50	0.66	6.48	3.03e-03	3.92	2.14e-03	5.45e-03
43	107	445.00	0.67	5.58	-3.53e-03	4.04	0.0	3.74e-03
43	109	340.00	-0.53	53.19	-0.07	-0.42	-9.12e-03	-0.04
43	109	392.50	-4.36	53.77	-0.09	46.97	-0.05	-0.04
43	109	445.00	-2.57	47.42	0.11	40.49	-0.03	-0.03
43	110	340.00	1.84	-40.24	0.07	0.78	9.57e-03	0.05
43	110	392.50	5.67	-40.82	0.09	-39.14	0.05	0.05
43	110	445.00	3.91	-36.27	-0.12	-32.41	0.03	0.04
43	112	340.00	-0.53	53.31	8.36e-03	-0.42	-1.31e-03	-0.07
43	112	392.50	-4.33	53.89	0.03	47.13	-9.31e-03	-0.06
43	112	445.00	-2.58	47.52	0.03	40.61	-6.88e-03	-0.06
43	123	340.00	1.78	-38.29	-3.22e-03	0.75	1.56e-03	0.08
43	123	392.50	5.39	-38.84	-0.02	-37.22	0.01	0.08
43	123	445.00	3.76	-34.44	-0.03	-30.77	6.39e-03	0.07
43	141	340.00	-0.69	59.13	-0.07	-0.50	-0.01	-0.04
43	141	392.50	-5.00	59.79	-0.10	52.45	-0.05	-0.04
43	141	445.00	-2.99	52.75	0.13	45.13	-0.03	-0.04
43	142	340.00	2.00	-46.18	0.08	0.86	0.01	0.05
43	142	392.50	6.31	-46.84	0.10	-44.62	0.06	0.05
43	142	445.00	4.33	-41.59	-0.13	-37.05	0.03	0.05
43	144	340.00	-0.68	59.27	8.87e-03	-0.50	-1.52e-03	-0.07
43	144	392.50	-4.97	59.93	0.03	52.63	-0.01	-0.07
43	144	445.00	-2.99	52.86	0.03	45.26	-7.80e-03	-0.07
43	155	340.00	1.93	-44.22	-3.82e-03	0.83	1.77e-03	0.09
43	155	392.50	6.02	-44.84	-0.02	-42.66	0.01	0.09
43	155	445.00	4.17	-39.73	-0.03	-35.37	7.33e-03	0.08
43	173	340.00	-0.69	59.47	-0.07	-0.50	-0.01	-0.04
43	173	392.50	-5.03	60.13	-0.10	52.77	-0.05	-0.04
43	173	445.00	-3.01	53.05	0.13	45.40	-0.03	-0.04
43	174	340.00	2.01	-46.52	0.08	0.86	0.01	0.05
43	174	392.50	6.34	-47.18	0.10	-44.94	0.06	0.05
43	174	445.00	4.35	-41.90	-0.13	-37.32	0.03	0.05
43	176	340.00	-0.69	59.62	7.96e-03	-0.50	-1.65e-03	-0.07
43	176	392.50	-5.01	60.28	0.03	52.94	-0.01	-0.07
43	176	445.00	-3.02	53.16	0.03	45.53	-8.16e-03	-0.07
43	187	340.00	1.98	-46.10	-1.91e-03	0.85	2.09e-03	0.09
43	187	392.50	6.23	-46.75	-0.02	-44.38	0.02	0.09
43	187	445.00	4.30	-41.42	-0.04	-36.83	8.36e-03	0.08
43	213	340.00	-0.95	69.87	-0.09	-0.63	-0.01	-0.06
43	213	392.50	-6.10	70.65	-0.11	62.12	-0.07	-0.06
43	213	445.00	-3.71	62.26	0.15	53.30	-0.04	-0.06
43	214	340.00	2.26	-56.92	0.09	0.99	0.01	0.07
43	214	392.50	7.41	-57.70	0.12	-54.28	0.07	0.07
43	214	445.00	5.05	-51.11	-0.16	-45.22	0.04	0.06
43	216	340.00	-0.94	70.04	8.06e-03	-0.63	-2.24e-03	-0.10
43	216	392.50	-6.08	70.82	0.03	62.31	-0.02	-0.10
43	216	445.00	-3.72	62.39	0.04	53.45	-0.01	-0.08
43	219	340.00	2.25	-57.09	-1.20e-03	0.99	2.68e-03	0.10
43	219	392.50	7.39	-57.87	-0.02	-54.47	0.02	0.11
43	219	445.00	5.05	-51.24	-0.05	-45.37	0.01	0.09
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-6.10	-57.87	-0.73	-54.47	-0.52	-0.32
			7.41	70.82	0.87	62.31	0.26	0.67

Macro	Tipo	Angolo 1-Z (gradi)
44	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
44	19	210.00	-0.38	0.02	0.73	-0.05	0.0	0.06
44	19	253.33	-0.38	0.02	0.73	-0.04	0.32	0.10
44	19	253.33	-0.38	0.02	0.73	-0.04	0.32	0.10
44	19	296.67	-0.25	-0.07	0.06	-0.06	0.35	0.10
44	19	296.67	-0.25	-0.07	0.06	-0.06	0.35	0.10

44	19	340.00	-0.24	-0.33	-0.53	0.04	5.64e-03	0.06
44	28	210.00	-0.49	-0.21	-0.21	-0.05	0.0	-0.02
44	28	253.33	-0.49	-0.21	-0.21	-0.15	-0.09	-0.03
44	28	253.33	-0.49	-0.21	-0.21	-0.15	-0.09	-0.03
44	28	296.67	-0.32	-0.72	-0.02	-0.26	-0.10	-0.03
44	28	296.67	-0.32	-0.72	-0.02	-0.26	-0.10	-0.03
44	28	340.00	-0.30	-1.08	0.16	0.04	-1.56e-03	-0.02
44	48	210.00	-0.38	-0.18	-0.36	-0.03	0.0	-0.03
44	48	253.33	-0.38	-0.18	-0.36	-0.11	-0.16	-0.05
44	48	253.33	-0.38	-0.18	-0.36	-0.11	-0.16	-0.05
44	48	296.67	-0.25	-0.57	-0.03	-0.20	-0.17	-0.05
44	48	296.67	-0.25	-0.57	-0.03	-0.20	-0.17	-0.05
44	48	340.00	-0.23	-0.86	0.26	0.03	-2.70e-03	-0.03
44	52	210.00	-0.49	-0.18	4.19e-03	-0.06	0.0	-1.10e-03
44	52	253.33	-0.49	-0.18	4.19e-03	-0.14	1.82e-03	-1.92e-03
44	52	253.33	-0.49	-0.18	4.19e-03	-0.14	1.82e-03	-1.92e-03
44	52	296.67	-0.33	-0.65	-9.44e-04	-0.24	1.41e-03	-2.00e-03
44	52	296.67	-0.33	-0.65	-9.44e-04	-0.24	1.41e-03	-2.00e-03
44	52	340.00	-0.31	-1.00	-3.27e-03	0.04	1.06e-04	-1.26e-03
44	72	210.00	-0.38	-0.01	0.49	-0.04	0.0	0.04
44	72	253.33	-0.38	-0.01	0.49	-0.05	0.21	0.07
44	72	253.33	-0.38	-0.01	0.49	-0.05	0.21	0.07
44	72	296.67	-0.25	-0.14	0.04	-0.07	0.23	0.07
44	72	296.67	-0.25	-0.14	0.04	-0.07	0.23	0.07
44	72	340.00	-0.24	-0.40	-0.36	0.04	3.78e-03	0.04
44	80	210.00	-0.38	-0.15	-0.14	-0.04	0.0	-0.01
44	80	253.33	-0.38	-0.15	-0.14	-0.10	-0.06	-0.02
44	80	253.33	-0.38	-0.15	-0.14	-0.10	-0.06	-0.02
44	80	296.67	-0.25	-0.50	-0.01	-0.18	-0.07	-0.02
44	80	296.67	-0.25	-0.50	-0.01	-0.18	-0.07	-0.02
44	80	340.00	-0.23	-0.78	0.10	0.03	-1.03e-03	-0.01
44	88	210.00	-0.38	-0.15	-0.24	-0.03	0.0	-0.02
44	88	253.33	-0.38	-0.15	-0.24	-0.09	-0.10	-0.04
44	88	253.33	-0.38	-0.15	-0.24	-0.09	-0.10	-0.04
44	88	296.67	-0.25	-0.48	-0.02	-0.17	-0.11	-0.04
44	88	296.67	-0.25	-0.48	-0.02	-0.17	-0.11	-0.04
44	88	340.00	-0.23	-0.75	0.17	0.04	-1.78e-03	-0.02
44	92	210.00	-0.38	-0.13	3.02e-03	-0.04	0.0	-7.85e-04
44	92	253.33	-0.38	-0.13	3.02e-03	-0.10	1.31e-03	-1.37e-03
44	92	253.33	-0.38	-0.13	3.02e-03	-0.10	1.31e-03	-1.37e-03
44	92	296.67	-0.25	-0.45	-6.66e-04	-0.17	1.02e-03	-1.44e-03
44	92	296.67	-0.25	-0.45	-6.66e-04	-0.17	1.02e-03	-1.44e-03
44	92	340.00	-0.24	-0.72	-2.35e-03	0.03	7.61e-05	-9.03e-04
44	98	210.00	-0.38	-0.11	2.69e-03	-0.03	0.0	-6.93e-04
44	98	253.33	-0.38	-0.11	2.69e-03	-0.08	1.17e-03	-1.21e-03
44	98	253.33	-0.38	-0.11	2.69e-03	-0.08	1.17e-03	-1.21e-03
44	98	296.67	-0.25	-0.38	-5.66e-04	-0.14	9.21e-04	-1.27e-03
44	98	296.67	-0.25	-0.38	-5.66e-04	-0.14	9.21e-04	-1.27e-03
44	98	340.00	-0.24	-0.65	-2.09e-03	0.04	6.73e-05	-8.01e-04
44	102	210.00	-0.38	-0.06	0.10	-0.03	0.0	7.34e-03
44	102	253.33	-0.38	-0.06	0.10	-0.05	0.04	0.01
44	102	253.33	-0.38	-0.06	0.10	-0.05	0.04	0.01
44	102	296.67	-0.25	-0.23	8.21e-03	-0.09	0.05	0.01
44	102	296.67	-0.25	-0.23	8.21e-03	-0.09	0.05	0.01
44	102	340.00	-0.24	-0.49	-0.07	0.04	7.97e-04	7.52e-03
44	105	210.00	-0.38	-0.11	-0.05	-0.03	0.0	-4.67e-03
44	105	253.33	-0.38	-0.11	-0.05	-0.08	-0.02	-8.05e-03
44	105	253.33	-0.38	-0.11	-0.05	-0.08	-0.02	-8.05e-03
44	105	296.67	-0.25	-0.38	-4.85e-03	-0.14	-0.02	-8.21e-03
44	105	296.67	-0.25	-0.38	-4.85e-03	-0.14	-0.02	-8.21e-03
44	105	340.00	-0.24	-0.65	0.03	0.04	-3.04e-04	-4.90e-03
44	107	210.00	-0.38	-0.10	2.61e-03	-0.03	0.0	-6.71e-04
44	107	253.33	-0.38	-0.10	2.61e-03	-0.08	1.13e-03	-1.17e-03
44	107	253.33	-0.38	-0.10	2.61e-03	-0.08	1.13e-03	-1.17e-03
44	107	296.67	-0.25	-0.36	-5.41e-04	-0.13	8.97e-04	-1.23e-03
44	107	296.67	-0.25	-0.36	-5.41e-04	-0.13	8.97e-04	-1.23e-03
44	107	340.00	-0.24	-0.63	-2.02e-03	0.04	6.52e-05	-7.76e-04
44	111	210.00	-2.84	-27.02	-0.08	7.66	-0.01	0.03
44	111	253.33	-2.84	-27.02	-0.08	7.61	-0.01	0.02
44	111	253.33	-2.84	-27.02	-0.08	7.61	-0.01	0.02
44	111	296.67	-1.17	-31.61	-3.37e-03	4.66	-0.03	0.02
44	111	296.67	-1.17	-31.61	-3.37e-03	4.66	-0.03	0.02
44	111	340.00	-0.28	-24.00	0.07	0.21	-0.01	0.02
44	113	210.00	2.12	26.66	4.80e-03	-7.71	-3.87e-03	-0.04
44	113	253.33	2.12	26.66	4.80e-03	-7.75	-2.74e-03	-0.04

44	113	253.33	2.12	26.66	4.80e-03	-7.75	-2.74e-03	-0.04
44	113	296.67	0.68	30.57	-2.16e-03	-4.92	-7.04e-03	-0.04
44	113	296.67	0.68	30.57	-2.16e-03	-4.92	-7.04e-03	-0.04
44	113	340.00	-0.19	22.47	-0.01	-0.14	2.42e-03	-0.03
44	114	210.00	-2.87	-26.87	4.23e-04	7.64	3.87e-03	0.03
44	114	253.33	-2.87	-26.87	4.15e-04	7.60	5.00e-03	0.03
44	114	253.33	-2.87	-26.87	4.15e-04	7.60	5.00e-03	0.03
44	114	296.67	-1.18	-31.30	1.08e-03	4.65	8.83e-03	0.04
44	114	296.67	-1.18	-31.30	1.08e-03	4.65	8.83e-03	0.04
44	114	340.00	-0.28	-23.73	8.94e-03	0.21	-2.29e-03	0.03
44	117	210.00	0.89	13.47	0.01	-3.92	-1.30e-03	-0.04
44	117	253.33	0.89	13.47	0.01	-3.97	-1.71e-04	-0.04
44	117	253.33	0.89	13.47	0.01	-3.97	-1.71e-04	-0.04
44	117	296.67	0.27	15.31	-3.63e-03	-2.54	-1.91e-03	-0.04
44	117	296.67	0.27	15.31	-3.63e-03	-2.54	-1.91e-03	-0.04
44	117	340.00	-0.21	11.08	-0.02	-0.05	3.45e-03	-0.03
44	143	210.00	-3.15	-30.39	-0.09	8.62	-0.02	0.03
44	143	253.33	-3.15	-30.39	-0.09	8.57	-0.01	0.03
44	143	253.33	-3.15	-30.39	-0.09	8.57	-0.01	0.03
44	143	296.67	-1.28	-35.52	-3.72e-03	5.26	-0.03	0.03
44	143	296.67	-1.28	-35.52	-3.72e-03	5.26	-0.03	0.03
44	143	340.00	-0.29	-26.92	0.07	0.23	-0.01	0.02
44	145	210.00	2.43	30.01	5.32e-03	-8.67	-4.33e-03	-0.04
44	145	253.33	2.43	30.01	5.32e-03	-8.71	-3.20e-03	-0.04
44	145	253.33	2.43	30.01	5.32e-03	-8.71	-3.20e-03	-0.04
44	145	296.67	0.79	34.44	-2.38e-03	-5.51	-7.98e-03	-0.04
44	145	296.67	0.79	34.44	-2.38e-03	-5.51	-7.98e-03	-0.04
44	145	340.00	-0.18	25.36	-0.01	-0.16	2.73e-03	-0.03
44	146	210.00	-3.19	-30.22	-9.86e-05	8.60	4.33e-03	0.04
44	146	253.33	-3.19	-30.22	-1.06e-04	8.56	5.46e-03	0.04
44	146	253.33	-3.19	-30.22	-1.06e-04	8.56	5.46e-03	0.04
44	146	296.67	-1.29	-35.17	1.29e-03	5.25	9.78e-03	0.04
44	146	296.67	-1.29	-35.17	1.29e-03	5.25	9.78e-03	0.04
44	146	340.00	-0.29	-26.62	0.01	0.23	-2.60e-03	0.03
44	149	210.00	1.03	15.07	0.02	-4.38	-1.44e-03	-0.04
44	149	253.33	1.03	15.07	0.02	-4.43	-3.04e-04	-0.04
44	149	253.33	1.03	15.07	0.02	-4.43	-3.04e-04	-0.04
44	149	296.67	0.33	17.17	-3.98e-03	-2.82	-2.21e-03	-0.05
44	149	296.67	0.33	17.17	-3.98e-03	-2.82	-2.21e-03	-0.05
44	149	340.00	-0.21	12.46	-0.02	-0.06	3.90e-03	-0.03
44	175	210.00	-3.03	-29.19	-0.09	8.27	-0.01	0.03
44	175	253.33	-3.03	-29.19	-0.09	8.23	-0.01	0.03
44	175	253.33	-3.03	-29.19	-0.09	8.23	-0.01	0.03
44	175	296.67	-1.24	-34.16	-3.76e-03	5.05	-0.03	0.03
44	175	296.67	-1.24	-34.16	-3.76e-03	5.05	-0.03	0.03
44	175	340.00	-0.29	-25.90	0.07	0.22	-0.01	0.02
44	177	210.00	2.32	28.82	6.76e-03	-8.32	-4.17e-03	-0.04
44	177	253.33	2.32	28.82	6.75e-03	-8.36	-3.04e-03	-0.04
44	177	253.33	2.32	28.82	6.75e-03	-8.36	-3.04e-03	-0.04
44	177	296.67	0.75	33.08	-2.35e-03	-5.30	-7.71e-03	-0.04
44	177	296.67	0.75	33.08	-2.35e-03	-5.30	-7.71e-03	-0.04
44	177	340.00	-0.18	24.34	-0.01	-0.15	2.69e-03	-0.03
44	178	210.00	-3.07	-29.02	-1.53e-03	8.25	4.17e-03	0.04
44	178	253.33	-3.07	-29.02	-1.54e-03	8.21	5.30e-03	0.04
44	178	253.33	-3.07	-29.02	-1.54e-03	8.21	5.30e-03	0.04
44	178	296.67	-1.25	-33.80	1.26e-03	5.03	9.50e-03	0.04
44	178	296.67	-1.25	-33.80	1.26e-03	5.03	9.50e-03	0.04
44	178	340.00	-0.29	-25.60	9.95e-03	0.22	-2.56e-03	0.03
44	181	210.00	0.92	13.84	0.02	-4.02	-1.16e-03	-0.04
44	181	253.33	0.92	13.84	0.02	-4.07	-3.09e-05	-0.04
44	181	253.33	0.92	13.84	0.02	-4.07	-3.09e-05	-0.04
44	181	296.67	0.28	15.78	-3.56e-03	-2.60	-1.72e-03	-0.05
44	181	296.67	0.28	15.78	-3.56e-03	-2.60	-1.72e-03	-0.05
44	181	340.00	-0.21	11.43	-0.02	-0.05	3.99e-03	-0.03
44	207	210.00	-3.44	-33.62	-0.10	9.53	-0.02	0.03
44	207	253.33	-3.44	-33.62	-0.10	9.48	-0.02	0.03
44	207	253.33	-3.44	-33.62	-0.10	9.48	-0.02	0.03
44	207	296.67	-1.39	-39.30	-4.36e-03	5.84	-0.03	0.03
44	207	296.67	-1.39	-39.30	-4.36e-03	5.84	-0.03	0.03
44	207	340.00	-0.30	-29.76	0.08	0.25	-0.02	0.02
44	209	210.00	2.72	33.21	7.85e-03	-9.58	-4.86e-03	-0.05
44	209	253.33	2.72	33.21	7.84e-03	-9.62	-3.73e-03	-0.05
44	209	253.33	2.72	33.21	7.84e-03	-9.62	-3.73e-03	-0.05
44	209	296.67	0.91	38.17	-2.57e-03	-6.08	-9.15e-03	-0.05
44	209	296.67	0.91	38.17	-2.57e-03	-6.08	-9.15e-03	-0.05

44	209	340.00	-0.18	28.14	-0.02	-0.18	3.11e-03	-0.03
44	210	210.00	-3.48	-33.42	-2.62e-03	9.51	4.86e-03	0.04
44	210	253.33	-3.48	-33.42	-2.63e-03	9.47	5.99e-03	0.04
44	210	253.33	-3.48	-33.42	-2.63e-03	9.47	5.99e-03	0.04
44	210	296.67	-1.40	-38.89	1.49e-03	5.82	0.01	0.05
44	210	296.67	-1.40	-38.89	1.49e-03	5.82	0.01	0.05
44	210	340.00	-0.30	-29.40	0.01	0.25	-2.98e-03	0.03
44	213	210.00	1.11	16.01	0.02	-4.64	-1.12e-03	-0.05
44	213	253.33	1.11	16.01	0.02	-4.68	1.46e-05	-0.05
44	213	253.33	1.11	16.01	0.02	-4.68	1.46e-05	-0.05
44	213	296.67	0.36	18.30	-3.86e-03	-2.98	-1.70e-03	-0.06
44	213	296.67	0.36	18.30	-3.86e-03	-2.98	-1.70e-03	-0.06
44	213	340.00	-0.21	13.32	-0.03	-0.07	4.88e-03	-0.04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3.48	-39.30	-0.53	-9.62	-0.17	-0.06
			2.72	38.17	0.73	9.53	0.35	0.10

Macro	Tipo	Angolo 1-Z (gradi)
45	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
45	4	0.0	-1.87	0.26	0.17	0.17	0.0	0.05
45	4	40.00	-1.87	0.26	0.17	0.27	0.07	0.07
45	4	80.00	-1.08	0.20	-0.17	0.27	0.0	0.04
45	19	0.0	-1.35	0.11	0.28	0.07	0.0	0.08
45	19	40.00	-1.35	0.11	0.28	0.11	0.11	0.13
45	19	80.00	-0.77	0.09	-0.28	0.12	0.0	0.08
45	28	0.0	-1.88	0.26	-0.08	0.17	0.0	-0.03
45	28	40.00	-1.88	0.26	-0.08	0.28	-0.03	-0.04
45	28	80.00	-1.09	0.19	0.08	0.27	0.0	-0.03
45	68	0.0	-1.42	0.18	0.11	0.12	0.0	0.03
45	68	40.00	-1.42	0.18	0.11	0.19	0.05	0.05
45	68	80.00	-0.82	0.14	-0.11	0.19	0.0	0.03
45	72	0.0	-1.36	0.11	0.19	0.07	0.0	0.06
45	72	40.00	-1.36	0.11	0.19	0.12	0.08	0.08
45	72	80.00	-0.77	0.08	-0.19	0.12	0.0	0.05
45	80	0.0	-1.43	0.18	-0.06	0.12	0.0	-0.02
45	80	40.00	-1.43	0.18	-0.06	0.19	-0.02	-0.03
45	80	80.00	-0.83	0.13	0.06	0.19	0.0	-0.02
45	98	0.0	-1.40	0.14	8.47e-04	0.10	0.0	-1.79e-03
45	98	40.00	-1.40	0.14	8.47e-04	0.16	3.39e-04	-2.74e-03
45	98	80.00	-0.81	0.10	-8.47e-04	0.15	0.0	-1.70e-03
45	102	0.0	-1.36	0.10	0.04	0.07	0.0	9.99e-03
45	102	40.00	-1.36	0.10	0.04	0.11	0.02	0.02
45	102	80.00	-0.78	0.07	-0.04	0.11	0.0	9.25e-03
45	106	0.0	-1.36	0.09	6.45e-04	0.07	0.0	-1.36e-03
45	106	40.00	-1.36	0.09	6.45e-04	0.11	2.58e-04	-2.09e-03
45	106	80.00	-0.78	0.07	-6.45e-04	0.11	0.0	-1.29e-03
45	107	0.0	-1.40	0.14	8.19e-04	0.10	0.0	-1.73e-03
45	107	40.00	-1.40	0.14	8.19e-04	0.15	3.27e-04	-2.65e-03
45	107	80.00	-0.80	0.10	-8.19e-04	0.15	0.0	-1.64e-03
45	108	0.0	-3.49	27.17	0.01	22.76	1.58e-03	-0.03
45	108	40.00	-3.49	27.17	0.01	22.81	1.91e-03	-0.03
45	108	80.00	-1.71	23.79	-9.89e-03	22.89	1.58e-03	-0.03
45	111	0.0	0.70	-26.90	-0.01	-22.57	-1.58e-03	0.03
45	111	40.00	0.70	-26.90	-0.01	-22.52	-1.26e-03	0.03
45	111	80.00	0.10	-23.60	8.26e-03	-22.59	-1.58e-03	0.03
45	113	0.0	-3.48	27.19	-0.01	22.74	-3.06e-03	-0.04
45	113	40.00	-3.48	27.19	-0.01	22.79	-2.73e-03	-0.04
45	113	80.00	-1.71	23.80	0.01	22.88	-3.06e-03	-0.04
45	117	0.0	-2.47	13.87	-0.01	11.58	-2.64e-03	-0.04
45	117	40.00	-2.47	13.87	-0.01	11.63	-2.31e-03	-0.05
45	117	80.00	-1.27	12.13	0.01	11.68	-2.64e-03	-0.04
45	140	0.0	-3.75	30.55	0.01	25.59	1.76e-03	-0.03
45	140	40.00	-3.75	30.55	0.01	25.65	2.09e-03	-0.03
45	140	80.00	-1.82	26.76	-0.01	25.73	1.76e-03	-0.03
45	143	0.0	0.96	-30.28	-0.01	-25.40	-1.76e-03	0.03
45	143	40.00	0.96	-30.28	-0.01	-25.35	-1.44e-03	0.03
45	143	80.00	0.21	-26.56	9.25e-03	-25.43	-1.76e-03	0.03
45	145	0.0	-3.74	30.58	-0.01	25.57	-3.40e-03	-0.05
45	145	40.00	-3.74	30.58	-0.01	25.62	-3.07e-03	-0.05
45	145	80.00	-1.82	26.76	0.02	25.72	-3.40e-03	-0.05

45	149	0.0	-2.60	15.48	-0.01	12.93	-2.93e-03	-0.05
45	149	40.00	-2.60	15.48	-0.01	12.99	-2.61e-03	-0.05
45	149	80.00	-1.33	13.54	0.01	13.04	-2.93e-03	-0.05
45	172	0.0	-3.65	29.32	0.01	24.57	1.67e-03	-0.03
45	172	40.00	-3.65	29.32	0.01	24.62	1.99e-03	-0.03
45	172	80.00	-1.77	25.68	-0.01	24.70	1.67e-03	-0.03
45	175	0.0	0.86	-29.05	-0.01	-24.38	-1.67e-03	0.03
45	175	40.00	0.86	-29.05	-0.01	-24.33	-1.34e-03	0.03
45	175	80.00	0.17	-25.48	8.51e-03	-24.40	-1.67e-03	0.03
45	177	0.0	-3.64	29.35	-0.01	24.55	-3.11e-03	-0.05
45	177	40.00	-3.64	29.35	-0.01	24.60	-2.78e-03	-0.05
45	177	80.00	-1.78	25.69	0.01	24.70	-3.11e-03	-0.05
45	181	0.0	-2.49	14.19	-0.01	11.88	-2.67e-03	-0.05
45	181	40.00	-2.49	14.19	-0.01	11.93	-2.34e-03	-0.05
45	181	80.00	-1.28	12.42	0.01	11.98	-2.67e-03	-0.05
45	204	0.0	-3.99	33.75	0.02	28.28	1.97e-03	-0.04
45	204	40.00	-3.99	33.75	0.02	28.34	2.30e-03	-0.04
45	204	80.00	-1.92	29.56	-0.01	28.42	1.97e-03	-0.04
45	207	0.0	1.20	-33.48	-0.01	-28.09	-1.97e-03	0.03
45	207	40.00	1.20	-33.48	-0.01	-28.04	-1.64e-03	0.03
45	207	80.00	0.32	-29.36	0.01	-28.13	-1.97e-03	0.04
45	209	0.0	-3.98	33.78	-0.02	28.26	-3.61e-03	-0.05
45	209	40.00	-3.98	33.78	-0.02	28.31	-3.28e-03	-0.06
45	209	80.00	-1.92	29.58	0.02	28.42	-3.61e-03	-0.05
45	213	0.0	-2.66	16.34	-0.02	13.69	-3.10e-03	-0.06
45	213	40.00	-2.66	16.34	-0.02	13.75	-2.77e-03	-0.06
45	213	80.00	-1.35	14.31	0.01	13.80	-3.10e-03	-0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.99	-33.48	-0.28	-28.13	-0.03	-0.06
	1.20	33.78	0.28	28.42	0.11	0.13

Macro	Tipo	Angolo 1-Z (gradi)
46	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
46	16	340.00	0.89	10.41	0.35	0.35	0.02	-0.23
46	16	392.50	0.89	10.41	0.30	6.57	0.27	-0.31
46	16	445.00	0.92	9.19	-0.45	7.18	0.0	-0.20
46	28	340.00	0.66	14.19	-0.45	0.54	-0.02	0.27
46	28	392.50	0.66	14.19	-0.40	9.27	-0.34	0.35
46	28	445.00	0.84	12.40	0.57	10.35	0.0	0.24
46	32	340.00	0.48	11.44	-0.44	0.44	-0.02	0.27
46	32	392.50	0.48	11.44	-0.39	7.51	-0.34	0.35
46	32	445.00	0.63	9.99	0.56	8.40	0.0	0.24
46	45	340.00	0.64	7.90	-0.73	0.28	-0.03	0.45
46	45	392.50	0.64	7.90	-0.64	5.05	-0.55	0.59
46	45	445.00	0.66	6.85	0.93	5.56	0.0	0.40
46	73	340.00	0.69	7.85	0.23	0.26	9.94e-03	-0.16
46	73	392.50	0.69	7.85	0.20	4.95	0.18	-0.20
46	73	445.00	0.71	6.92	-0.30	5.40	0.0	-0.14
46	80	340.00	0.54	10.37	-0.30	0.39	-0.01	0.18
46	80	392.50	0.54	10.37	-0.27	6.75	-0.23	0.23
46	80	445.00	0.65	9.07	0.38	7.51	0.0	0.16
46	85	340.00	0.64	8.01	-0.49	0.28	-0.02	0.30
46	85	392.50	0.64	8.01	-0.43	5.11	-0.37	0.40
46	85	445.00	0.67	6.97	0.62	5.61	0.0	0.27
46	98	340.00	0.60	9.31	-0.01	0.33	-6.89e-04	-3.82e-03
46	98	392.50	0.60	9.31	-0.01	5.98	-5.66e-03	-4.84e-03
46	98	445.00	0.67	8.15	9.63e-03	6.59	0.0	-2.55e-03
46	102	340.00	0.68	7.77	0.04	0.26	1.55e-03	-0.03
46	102	392.50	0.68	7.77	0.03	4.90	0.03	-0.04
46	102	445.00	0.70	6.82	-0.05	5.34	0.0	-0.03
46	104	340.00	0.67	7.87	-0.10	0.27	-4.76e-03	0.06
46	104	392.50	0.67	7.87	-0.09	4.98	-0.08	0.06
46	104	445.00	0.69	6.88	0.13	5.44	0.0	0.05
46	106	340.00	0.67	7.83	-9.29e-03	0.26	-5.54e-04	-3.35e-03
46	106	392.50	0.67	7.83	-8.49e-03	4.95	-4.60e-03	-4.25e-03
46	106	445.00	0.69	6.86	7.81e-03	5.39	0.0	-2.32e-03
46	107	340.00	0.61	9.10	-0.01	0.32	-6.70e-04	-3.75e-03
46	107	392.50	0.61	9.10	-0.01	5.83	-5.51e-03	-4.75e-03
46	107	445.00	0.68	7.97	9.37e-03	6.42	0.0	-2.52e-03
46	109	340.00	-0.54	50.75	-0.13	-0.08	-0.02	-0.05

46	109	392.50	-3.50	51.70	-0.05	47.77	-0.07	-0.05
46	109	445.00	-2.15	46.47	0.25	41.75	-0.06	-0.04
46	112	340.00	-0.54	49.47	-0.07	-0.08	-0.01	-0.07
46	112	392.50	-3.50	50.36	0.06	48.07	-0.02	-0.07
46	112	445.00	-2.16	46.77	0.15	42.00	-0.04	-0.06
46	115	340.00	1.76	-31.27	0.04	0.72	9.49e-03	0.06
46	115	392.50	4.72	-32.16	-0.08	-36.41	0.01	0.06
46	115	445.00	3.51	-30.83	-0.14	-29.16	0.04	0.06
46	116	340.00	-0.27	41.81	-0.05	0.02	-9.31e-03	-0.08
46	116	392.50	-2.56	42.56	0.07	38.52	-0.02	-0.08
46	116	445.00	-1.51	38.12	0.13	33.95	-0.03	-0.07
46	141	340.00	-0.68	56.06	-0.14	-0.13	-0.02	-0.05
46	141	392.50	-4.02	57.13	-0.05	53.11	-0.08	-0.05
46	141	445.00	-2.51	51.37	0.28	46.25	-0.07	-0.05
46	144	340.00	-0.69	54.60	-0.07	-0.13	-0.01	-0.08
46	144	392.50	-4.02	55.60	0.07	53.45	-0.03	-0.08
46	144	445.00	-2.52	51.71	0.17	46.53	-0.04	-0.07
46	147	340.00	1.91	-36.40	0.05	0.78	0.01	0.07
46	147	392.50	5.24	-37.40	-0.09	-41.78	0.02	0.07
46	147	445.00	3.87	-35.77	-0.15	-33.69	0.04	0.06
46	148	340.00	-0.39	46.14	-0.06	-0.02	-0.01	-0.09
46	148	392.50	-2.98	46.99	0.08	42.86	-0.02	-0.09
46	148	445.00	-1.80	42.11	0.15	37.60	-0.04	-0.08
46	173	340.00	-0.69	56.39	-0.14	-0.14	-0.02	-0.05
46	173	392.50	-4.05	57.47	-0.06	53.44	-0.08	-0.05
46	173	445.00	-2.53	51.67	0.28	46.53	-0.07	-0.05
46	176	340.00	-0.70	54.85	-0.07	-0.13	-0.01	-0.08
46	176	392.50	-4.06	55.85	0.06	53.73	-0.03	-0.08
46	176	445.00	-2.54	51.96	0.17	46.76	-0.04	-0.07
46	179	340.00	1.91	-36.65	0.05	0.78	0.01	0.07
46	179	392.50	5.27	-37.65	-0.08	-42.06	0.02	0.07
46	179	445.00	3.89	-36.03	-0.16	-33.92	0.04	0.06
46	180	340.00	-0.43	47.62	-0.06	-0.04	-0.01	-0.09
46	180	392.50	-3.13	48.50	0.07	44.33	-0.02	-0.09
46	180	445.00	-1.90	43.48	0.15	38.85	-0.04	-0.08
46	212	340.00	-0.65	55.80	-0.07	-0.11	-0.01	-0.11
46	212	392.50	-3.93	56.86	0.08	52.51	-0.03	-0.11
46	212	445.00	-2.45	51.02	0.18	45.74	-0.04	-0.09
46	213	340.00	-0.93	66.03	-0.16	-0.21	-0.02	-0.08
46	213	392.50	-4.93	67.33	-0.09	62.79	-0.09	-0.08
46	213	445.00	-3.15	60.46	0.32	54.39	-0.08	-0.07
46	216	340.00	-0.94	64.15	-0.08	-0.21	-0.01	-0.11
46	216	392.50	-4.93	65.36	0.05	63.10	-0.04	-0.11
46	216	445.00	-3.16	60.78	0.20	54.65	-0.05	-0.09
46	219	340.00	2.15	-45.95	0.06	0.86	0.01	0.10
46	219	392.50	6.15	-47.16	-0.07	-51.44	0.03	0.10
46	219	445.00	4.51	-44.84	-0.18	-41.81	0.05	0.09

M_S

N memb.

V memb.

V orto

M memb.

M orto

T

-4.93

-47.16

-0.73

-51.44

-0.55

-0.31

6.15

67.33

0.93

63.10

0.27

0.59

Macro	Tipo	Angolo 1-Z (gradi)
47	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
47	4	210.00	-0.58	0.15	0.44	-0.06	0.0	-0.03
47	4	253.33	-0.58	0.15	0.44	8.19e-03	0.19	-0.06
47	4	296.67	-0.39	0.11	0.04	0.04	0.21	-0.06
47	4	340.00	-0.28	-0.34	-0.21	0.05	2.43e-03	-0.03
47	19	210.00	-0.44	0.08	0.73	-0.03	0.0	-0.06
47	19	253.33	-0.44	0.08	0.73	1.73e-03	0.32	-0.10
47	19	296.67	-0.29	0.07	0.06	0.01	0.34	-0.10
47	19	340.00	-0.22	-0.24	-0.35	0.04	3.96e-03	-0.05
47	41	210.00	-0.56	0.06	-0.36	-0.02	0.0	0.03
47	41	253.33	-0.56	0.06	-0.36	0.01	-0.16	0.05
47	41	296.67	-0.37	0.02	-0.03	0.02	-0.17	0.05
47	41	340.00	-0.28	-0.41	0.17	0.05	-1.88e-03	0.03
47	45	210.00	-0.43	0.04	-0.36	-8.99e-03	0.0	0.03
47	45	253.33	-0.43	0.04	-0.36	9.90e-03	-0.16	0.05
47	45	296.67	-0.28	0.01	-0.03	0.02	-0.17	0.05
47	45	340.00	-0.21	-0.33	0.17	0.04	-1.90e-03	0.03
47	68	210.00	-0.44	0.10	0.30	-0.04	0.0	-0.02

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO

PROGETTO STRUTTURE

TABULATI DI CALCOLO BLOCCO AULE

PAG. 2329 DI 2790

47	68	253.33	-0.44	0.10	0.30	6.52e-03	0.13	-0.04
47	68	296.67	-0.30	0.07	0.02	0.03	0.14	-0.04
47	68	340.00	-0.22	-0.27	-0.14	0.04	1.63e-03	-0.02
47	72	210.00	-0.44	0.07	0.49	-0.03	0.0	-0.04
47	72	253.33	-0.44	0.07	0.49	3.99e-03	0.21	-0.07
47	72	296.67	-0.29	0.05	0.04	0.01	0.23	-0.07
47	72	340.00	-0.22	-0.25	-0.23	0.04	2.66e-03	-0.04
47	85	210.00	-0.43	0.05	-0.24	-0.01	0.0	0.02
47	85	253.33	-0.43	0.05	-0.24	9.43e-03	-0.10	0.03
47	85	296.67	-0.29	0.02	-0.02	0.02	-0.11	0.04
47	85	340.00	-0.21	-0.32	0.11	0.04	-1.25e-03	0.02
47	98	210.00	-0.44	0.07	2.97e-03	-0.02	0.0	7.06e-04
47	98	253.33	-0.44	0.07	2.97e-03	8.98e-03	1.29e-03	1.24e-03
47	98	296.67	-0.29	0.04	-5.85e-04	0.02	1.03e-03	1.30e-03
47	98	340.00	-0.22	-0.29	-2.74e-03	0.04	5.50e-05	6.08e-04
47	102	210.00	-0.43	0.05	0.10	-0.01	0.0	-7.25e-03
47	102	253.33	-0.43	0.05	0.10	7.47e-03	0.04	-0.01
47	102	296.67	-0.29	0.02	7.98e-03	0.01	0.05	-0.01
47	102	340.00	-0.21	-0.29	-0.05	0.04	5.69e-04	-6.74e-03
47	104	210.00	-0.43	0.05	-0.05	-0.01	0.0	4.44e-03
47	104	253.33	-0.43	0.05	-0.05	8.56e-03	-0.02	7.66e-03
47	104	296.67	-0.29	0.02	-4.61e-03	0.02	-0.02	7.86e-03
47	104	340.00	-0.21	-0.30	0.02	0.04	-2.12e-04	4.08e-03
47	106	210.00	-0.43	0.05	2.35e-03	-0.01	0.0	5.28e-04
47	106	253.33	-0.43	0.05	2.35e-03	8.34e-03	1.02e-03	9.34e-04
47	106	296.67	-0.29	0.02	-4.07e-04	0.01	8.42e-04	9.89e-04
47	106	340.00	-0.21	-0.29	-2.22e-03	0.04	4.67e-05	4.67e-04
47	107	210.00	-0.44	0.07	2.88e-03	-0.02	0.0	6.81e-04
47	107	253.33	-0.44	0.07	2.88e-03	8.89e-03	1.25e-03	1.19e-03
47	107	296.67	-0.29	0.04	-5.59e-04	0.02	1.01e-03	1.26e-03
47	107	340.00	-0.22	-0.29	-2.67e-03	0.04	5.38e-05	5.88e-04
47	108	210.00	-3.30	26.89	0.04	-8.39	6.06e-03	-0.04
47	108	253.33	-3.30	26.89	0.04	-8.36	7.31e-03	-0.04
47	108	296.67	-1.50	31.00	1.70e-03	-5.13	0.02	-0.04
47	108	340.00	0.17	19.89	-0.05	-0.05	5.18e-03	-0.03
47	111	210.00	2.42	-26.75	-0.04	8.35	-6.06e-03	0.04
47	111	253.33	2.42	-26.75	-0.04	8.38	-4.82e-03	0.04
47	111	296.67	0.91	-30.93	-2.82e-03	5.18	-0.01	0.05
47	111	340.00	-0.60	-20.48	0.04	0.13	-5.07e-03	0.03
47	123	210.00	1.03	-13.57	-0.04	4.23	-7.52e-03	0.04
47	123	253.33	1.03	-13.57	-0.04	4.25	-6.27e-03	0.04
47	123	296.67	0.34	-15.73	-2.35e-03	2.62	-0.02	0.05
47	123	340.00	-0.41	-10.58	0.05	0.08	-5.27e-03	0.03
47	140	210.00	-3.66	30.24	0.05	-9.44	6.82e-03	-0.04
47	140	253.33	-3.66	30.24	0.05	-9.41	8.07e-03	-0.04
47	140	296.67	-1.65	34.87	1.99e-03	-5.78	0.02	-0.05
47	140	340.00	0.22	22.42	-0.06	-0.06	5.81e-03	-0.03
47	143	210.00	2.78	-30.11	-0.04	9.39	-6.82e-03	0.05
47	143	253.33	2.78	-30.11	-0.04	9.42	-5.57e-03	0.05
47	143	296.67	1.06	-34.80	-3.11e-03	5.82	-0.02	0.05
47	143	340.00	-0.65	-23.00	0.05	0.14	-5.71e-03	0.03
47	155	210.00	1.20	-15.18	-0.05	4.73	-8.45e-03	0.05
47	155	253.33	1.20	-15.18	-0.05	4.76	-7.21e-03	0.05
47	155	296.67	0.42	-17.59	-2.58e-03	2.93	-0.02	0.05
47	155	340.00	-0.44	-11.80	0.05	0.09	-5.94e-03	0.03
47	172	210.00	-3.53	29.04	0.05	-9.06	6.77e-03	-0.04
47	172	253.33	-3.53	29.04	0.05	-9.03	8.02e-03	-0.04
47	172	296.67	-1.60	33.49	1.99e-03	-5.54	0.02	-0.05
47	172	340.00	0.20	21.52	-0.05	-0.06	5.67e-03	-0.03
47	175	210.00	2.65	-28.90	-0.04	9.02	-6.77e-03	0.04
47	175	253.33	2.65	-28.90	-0.04	9.05	-5.53e-03	0.05
47	175	296.67	1.01	-33.42	-3.11e-03	5.59	-0.02	0.05
47	175	340.00	-0.64	-22.11	0.05	0.14	-5.56e-03	0.03
47	187	210.00	1.07	-13.94	-0.04	4.33	-8.29e-03	0.05
47	187	253.33	1.07	-13.94	-0.04	4.36	-7.04e-03	0.05
47	187	296.67	0.37	-16.17	-2.57e-03	2.69	-0.02	0.06
47	187	340.00	-0.42	-10.88	0.05	0.09	-5.83e-03	0.04
47	204	210.00	-4.00	33.43	0.06	-10.43	7.93e-03	-0.05
47	204	253.33	-4.00	33.43	0.06	-10.40	9.17e-03	-0.05
47	204	296.67	-1.80	38.58	2.39e-03	-6.38	0.02	-0.06
47	204	340.00	0.27	24.84	-0.06	-0.07	6.58e-03	-0.04
47	207	210.00	3.12	-33.30	-0.05	10.39	-7.93e-03	0.05
47	207	253.33	3.12	-33.30	-0.05	10.42	-6.68e-03	0.05
47	207	296.67	1.21	-38.51	-3.51e-03	6.43	-0.02	0.06
47	207	340.00	-0.70	-25.43	0.06	0.15	-6.47e-03	0.04

47	219	210.00	1.30	-16.10	-0.05	5.00	-9.67e-03	0.06
47	219	253.33	1.30	-16.10	-0.05	5.03	-8.42e-03	0.06
47	219	296.67	0.47	-18.69	-2.90e-03	3.09	-0.02	0.07
47	219	340.00	-0.45	-12.53	0.06	0.09	-6.86e-03	0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-4.00	-38.51	-0.36	-10.43	-0.17	-0.10
	3.12	38.58	0.73	10.42	0.34	0.07

Macro	Tipo	Angolo 1-Z (gradi)
48	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
48	18	0.0	-185.59	8.48e-03	2.36	-0.23	0.0	-1.39e-03
48	18	40.00	-185.59	8.48e-03	2.36	-0.23	0.94	-2.29e-03
48	18	80.00	-176.47	0.17	1.55	-0.13	1.57	-2.12e-03
48	18	120.00	-170.33	0.44	0.53	-0.17	1.78	-2.07e-03
48	18	165.00	-164.39	0.44	0.36	0.02	1.94	-2.11e-03
48	18	210.00	-159.05	0.44	0.24	0.22	2.05	-2.16e-03
48	18	253.33	-153.89	0.51	-0.95	0.32	1.64	-2.38e-03
48	18	296.67	-151.24	0.83	-1.53	0.32	0.98	-2.22e-03
48	18	340.00	-131.29	1.04	-2.25	0.31	0.0	-1.56e-03
48	19	0.0	-68.18	0.07	2.29	-0.17	0.0	-8.37e-04
48	19	40.00	-68.18	0.07	2.29	-0.14	0.92	-1.39e-03
48	19	80.00	-65.53	0.13	1.51	-0.10	1.52	-1.32e-03
48	19	120.00	-64.15	0.24	0.50	-0.14	1.72	-1.30e-03
48	19	165.00	-62.59	0.24	0.33	-0.03	1.87	-1.34e-03
48	19	210.00	-61.21	0.24	0.22	0.08	1.97	-1.38e-03
48	19	253.33	-59.45	0.23	-0.96	0.14	1.55	-1.56e-03
48	19	296.67	-58.69	0.34	-1.50	0.13	0.90	-1.41e-03
48	19	340.00	-51.23	0.41	-2.09	0.12	0.0	-9.54e-04
48	28	0.0	-252.61	-0.14	-0.48	-0.12	0.0	-6.10e-04
48	28	40.00	-252.61	-0.14	-0.48	-0.18	-0.19	-9.91e-04
48	28	80.00	-237.45	0.09	-0.33	-0.05	-0.33	-8.48e-04
48	28	120.00	-226.16	0.42	-0.06	-0.09	-0.35	-8.06e-04
48	28	165.00	-215.28	0.42	-0.04	0.10	-0.37	-7.99e-04
48	28	210.00	-205.19	0.42	-0.02	0.29	-0.38	-8.07e-04
48	28	253.33	-195.80	0.61	0.29	0.41	-0.25	-8.25e-04
48	28	296.67	-189.67	1.08	0.36	0.41	-0.09	-8.65e-04
48	28	340.00	-162.36	1.37	0.21	0.40	0.0	-6.98e-04
48	72	0.0	-81.87	0.03	1.56	-0.13	0.0	-7.16e-04
48	72	40.00	-81.87	0.03	1.56	-0.12	0.62	-1.19e-03
48	72	80.00	-77.97	0.10	1.02	-0.06	1.03	-1.11e-03
48	72	120.00	-75.52	0.22	0.35	-0.10	1.17	-1.09e-03
48	72	165.00	-72.94	0.22	0.23	-4.43e-03	1.28	-1.11e-03
48	72	210.00	-70.58	0.22	0.15	0.10	1.35	-1.15e-03
48	72	253.33	-67.96	0.24	-0.64	0.16	1.07	-1.28e-03
48	72	296.67	-66.49	0.38	-1.01	0.15	0.63	-1.18e-03
48	72	340.00	-57.54	0.47	-1.45	0.14	0.0	-8.12e-04
48	75	0.0	-132.97	1.09e-03	1.58	-0.16	0.0	-9.64e-04
48	75	40.00	-132.97	1.09e-03	1.58	-0.16	0.63	-1.59e-03
48	75	80.00	-126.32	0.12	1.04	-0.08	1.05	-1.47e-03
48	75	120.00	-121.83	0.31	0.36	-0.12	1.19	-1.43e-03
48	75	165.00	-117.43	0.31	0.24	0.02	1.30	-1.46e-03
48	75	210.00	-113.46	0.31	0.16	0.16	1.38	-1.50e-03
48	75	253.33	-109.57	0.36	-0.63	0.23	1.10	-1.64e-03
48	75	296.67	-107.48	0.59	-1.02	0.23	0.66	-1.54e-03
48	75	340.00	-93.15	0.74	-1.52	0.22	0.0	-1.08e-03
48	80	0.0	-177.65	-0.10	-0.31	-0.08	0.0	-4.46e-04
48	80	40.00	-177.65	-0.10	-0.31	-0.12	-0.13	-7.23e-04
48	80	80.00	-166.98	0.07	-0.21	-0.03	-0.21	-6.21e-04
48	80	120.00	-159.04	0.29	-0.04	-0.06	-0.23	-5.91e-04
48	80	165.00	-151.36	0.29	-0.02	0.07	-0.24	-5.86e-04
48	80	210.00	-144.22	0.30	-0.01	0.20	-0.24	-5.92e-04
48	80	253.33	-137.52	0.43	0.20	0.29	-0.16	-6.07e-04
48	80	296.67	-133.10	0.76	0.24	0.29	-0.05	-6.34e-04
48	80	340.00	-113.87	0.96	0.13	0.28	0.0	-5.09e-04
48	98	0.0	-142.48	-0.08	0.10	-0.05	0.0	-6.32e-04
48	98	40.00	-142.48	-0.08	0.10	-0.08	0.04	-1.03e-03
48	98	80.00	-134.28	0.05	0.06	-7.42e-03	0.07	-9.13e-04
48	98	120.00	-128.36	0.22	0.05	-0.04	0.08	-8.80e-04
48	98	165.00	-122.55	0.22	0.04	0.06	0.10	-8.82e-04
48	98	210.00	-117.18	0.22	0.03	0.16	0.11	-8.95e-04

48	98	253.33	-112.00	0.33	4.37e-03	0.24	0.11	-9.38e-04
48	98	296.67	-108.71	0.59	-0.05	0.24	0.09	-9.30e-04
48	98	340.00	-93.28	0.76	-0.22	0.23	0.0	-7.02e-04
48	102	0.0	-94.65	-0.04	0.37	-0.05	0.0	-4.80e-04
48	102	40.00	-94.65	-0.04	0.37	-0.06	0.15	-7.87e-04
48	102	80.00	-89.24	0.05	0.24	-8.50e-03	0.25	-7.08e-04
48	102	120.00	-85.43	0.17	0.10	-0.05	0.29	-6.85e-04
48	102	165.00	-81.54	0.17	0.07	0.03	0.32	-6.92e-04
48	102	210.00	-77.90	0.17	0.05	0.11	0.34	-7.06e-04
48	102	253.33	-74.12	0.23	-0.13	0.17	0.28	-7.56e-04
48	102	296.67	-71.62	0.40	-0.24	0.16	0.18	-7.33e-04
48	102	340.00	-61.25	0.51	-0.42	0.15	0.0	-5.40e-04
48	103	0.0	-132.91	-0.06	0.39	-0.07	0.0	-6.61e-04
48	103	40.00	-132.91	-0.06	0.39	-0.09	0.16	-1.08e-03
48	103	80.00	-125.43	0.06	0.26	-0.02	0.26	-9.70e-04
48	103	120.00	-120.10	0.23	0.11	-0.05	0.30	-9.38e-04
48	103	165.00	-114.85	0.23	0.08	0.05	0.34	-9.45e-04
48	103	210.00	-110.00	0.23	0.05	0.15	0.36	-9.62e-04
48	103	253.33	-105.27	0.32	-0.12	0.23	0.31	-1.02e-03
48	103	296.67	-102.31	0.56	-0.24	0.22	0.20	-9.96e-04
48	103	340.00	-87.91	0.71	-0.47	0.21	0.0	-7.37e-04
48	106	0.0	-97.85	-0.05	0.08	-0.03	0.0	-4.21e-04
48	106	40.00	-97.85	-0.05	0.08	-0.05	0.03	-6.88e-04
48	106	80.00	-92.05	0.04	0.05	5.13e-03	0.05	-6.08e-04
48	106	120.00	-87.91	0.15	0.04	-0.03	0.07	-5.85e-04
48	106	165.00	-83.69	0.15	0.03	0.04	0.08	-5.87e-04
48	106	210.00	-79.73	0.16	0.02	0.11	0.09	-5.96e-04
48	106	253.33	-75.65	0.23	-1.52e-03	0.18	0.09	-6.27e-04
48	106	296.67	-72.90	0.41	-0.04	0.17	0.07	-6.22e-04
48	106	340.00	-62.17	0.52	-0.16	0.16	0.0	-4.72e-04
48	107	0.0	-136.10	-0.07	0.10	-0.05	0.0	-6.02e-04
48	107	40.00	-136.10	-0.07	0.10	-0.08	0.04	-9.84e-04
48	107	80.00	-128.25	0.05	0.06	-5.62e-03	0.06	-8.70e-04
48	107	120.00	-122.58	0.21	0.05	-0.04	0.08	-8.37e-04
48	107	165.00	-117.00	0.21	0.03	0.06	0.10	-8.40e-04
48	107	210.00	-111.83	0.21	0.03	0.15	0.11	-8.52e-04
48	107	253.33	-106.81	0.32	3.53e-03	0.23	0.11	-8.94e-04
48	107	296.67	-103.59	0.57	-0.05	0.23	0.09	-8.86e-04
48	107	340.00	-88.84	0.72	-0.21	0.22	0.0	-6.69e-04
48	108	0.0	-122.42	51.64	0.27	-79.98	0.04	-0.08
48	108	40.00	-122.42	51.64	0.27	-80.01	0.08	-0.08
48	108	80.00	-118.15	60.22	0.13	-77.43	0.16	-0.09
48	108	120.00	-110.03	96.69	0.07	-101.06	0.24	-0.08
48	108	165.00	-109.27	96.66	0.06	-57.08	0.25	-0.07
48	108	210.00	-101.52	97.24	0.03	-11.76	0.28	-0.08
48	108	253.33	-98.91	58.11	-9.84e-03	-0.45	0.25	-0.08
48	108	296.67	-97.85	46.49	-0.13	1.73	0.18	-0.08
48	108	340.00	-86.62	47.72	-0.34	2.01	0.04	-0.07
48	120	0.0	-130.58	27.47	0.24	-40.32	0.03	-0.08
48	120	40.00	-130.58	27.47	0.24	-40.34	0.07	-0.09
48	120	80.00	-122.93	33.65	0.13	-39.74	0.14	-0.09
48	120	120.00	-113.32	53.56	0.05	-52.56	0.21	-0.09
48	120	165.00	-112.62	53.36	0.05	-28.86	0.22	-0.09
48	120	210.00	-104.23	52.93	0.02	-5.02	0.23	-0.08
48	120	253.33	-101.23	31.31	-0.01	0.26	0.24	-0.08
48	120	296.67	-99.88	26.11	-0.13	0.45	0.16	-0.08
48	120	340.00	-83.85	26.39	-0.31	-0.53	0.03	-0.08
48	129	0.0	-275.53	-10.10	-0.07	16.60	-0.03	-0.03
48	129	40.00	-275.53	-10.10	-0.07	16.57	6.48e-03	-0.03
48	129	80.00	-256.89	-8.09	-0.17	16.89	-0.04	-0.03
48	129	120.00	-237.47	-13.60	-3.28e-03	22.55	-0.05	-0.03
48	129	165.00	-221.56	-14.03	-0.17	13.64	-0.05	-0.05
48	129	210.00	-202.56	-15.72	-0.11	3.83	-0.14	-0.03
48	129	253.33	-185.45	-9.97	0.10	0.90	-0.13	-0.03
48	129	296.67	-170.84	-1.77	0.19	-1.40	-0.05	-0.03
48	129	340.00	-138.22	-4.56	0.06	0.16	-0.06	-0.03
48	130	0.0	3.32	9.95	0.27	-16.70	0.03	0.03
48	130	40.00	3.32	9.95	0.27	-16.73	0.07	0.03
48	130	80.00	0.39	8.19	0.30	-16.91	0.17	0.03
48	130	120.00	-7.69	14.03	0.09	-22.63	0.22	0.03
48	130	165.00	-12.43	14.46	0.24	-13.52	0.25	0.04
48	130	210.00	-21.11	16.14	0.16	-3.52	0.36	0.02
48	130	253.33	-28.17	10.60	-0.10	-0.44	0.35	0.03
48	130	296.67	-36.34	2.90	-0.28	1.85	0.23	0.03
48	130	340.00	-39.46	6.01	-0.48	0.27	0.06	0.02

48	140	0.0	-120.74	58.10	0.29	-89.97	0.04	-0.09
48	140	40.00	-120.74	58.10	0.29	-90.00	0.08	-0.09
48	140	80.00	-116.91	67.74	0.14	-87.11	0.17	-0.10
48	140	120.00	-108.49	108.76	0.07	-113.69	0.26	-0.09
48	140	165.00	-108.32	108.72	0.06	-64.22	0.27	-0.08
48	140	210.00	-100.24	109.38	0.04	-13.25	0.30	-0.09
48	140	253.33	-97.93	65.35	-0.01	-0.53	0.27	-0.09
48	140	296.67	-97.13	52.24	-0.14	1.91	0.19	-0.09
48	140	340.00	-86.33	53.60	-0.35	2.22	0.04	-0.08
48	152	0.0	-130.05	30.72	0.26	-45.06	0.03	-0.10
48	152	40.00	-130.05	30.72	0.26	-45.09	0.07	-0.10
48	152	80.00	-122.41	37.62	0.14	-44.43	0.15	-0.10
48	152	120.00	-112.30	59.86	0.05	-58.77	0.23	-0.10
48	152	165.00	-112.17	59.63	0.05	-32.27	0.24	-0.10
48	152	210.00	-103.36	59.15	0.02	-5.60	0.25	-0.10
48	152	253.33	-100.60	34.97	-0.01	0.27	0.25	-0.09
48	152	296.67	-99.44	29.13	-0.14	0.48	0.17	-0.09
48	152	340.00	-83.26	29.43	-0.32	-0.62	0.03	-0.09
48	161	0.0	-293.02	-11.38	-0.09	18.72	-0.04	-0.03
48	161	40.00	-293.02	-11.38	-0.09	18.69	3.01e-03	-0.03
48	161	80.00	-273.03	-9.15	-0.20	19.04	-0.05	-0.04
48	161	120.00	-251.88	-15.40	-9.05e-03	25.41	-0.07	-0.04
48	161	165.00	-234.68	-15.88	-0.19	15.36	-0.07	-0.05
48	161	210.00	-213.93	-17.77	-0.13	4.30	-0.17	-0.03
48	161	253.33	-195.28	-11.29	0.12	0.99	-0.15	-0.03
48	161	296.67	-179.25	-2.10	0.21	-1.60	-0.06	-0.03
48	161	340.00	-144.39	-5.25	0.09	0.16	-0.06	-0.03
48	162	0.0	20.81	11.23	0.29	-18.82	0.04	0.03
48	162	40.00	20.81	11.23	0.29	-18.85	0.08	0.03
48	162	80.00	16.53	9.25	0.32	-19.05	0.18	0.03
48	162	120.00	6.73	15.82	0.10	-25.49	0.23	0.04
48	162	165.00	0.68	16.30	0.26	-15.24	0.26	0.05
48	162	210.00	-9.74	18.20	0.18	-3.99	0.39	0.03
48	162	253.33	-18.34	11.92	-0.11	-0.53	0.37	0.03
48	162	296.67	-27.94	3.23	-0.31	2.05	0.24	0.03
48	162	340.00	-33.29	6.70	-0.51	0.27	0.06	0.03
48	172	0.0	-121.02	55.75	0.27	-86.35	0.04	-0.09
48	172	40.00	-121.02	55.75	0.27	-86.38	0.08	-0.09
48	172	80.00	-116.95	65.04	0.13	-83.63	0.16	-0.10
48	172	120.00	-108.78	104.45	0.07	-109.16	0.24	-0.09
48	172	165.00	-108.24	104.44	0.06	-61.67	0.25	-0.08
48	172	210.00	-100.29	105.08	0.03	-12.65	0.29	-0.09
48	172	253.33	-97.86	62.82	-0.01	-0.47	0.26	-0.09
48	172	296.67	-96.86	50.26	-0.14	1.75	0.19	-0.09
48	172	340.00	-85.99	51.58	-0.34	2.10	0.04	-0.08
48	184	0.0	-131.49	28.12	0.25	-41.34	0.03	-0.10
48	184	40.00	-131.49	28.12	0.25	-41.37	0.07	-0.10
48	184	80.00	-123.66	34.54	0.14	-40.77	0.15	-0.11
48	184	120.00	-113.58	55.01	0.05	-54.17	0.22	-0.10
48	184	165.00	-113.05	54.78	0.05	-29.63	0.23	-0.11
48	184	210.00	-104.15	54.30	0.02	-4.90	0.24	-0.10
48	184	253.33	-101.18	32.13	-0.01	0.35	0.24	-0.10
48	184	296.67	-99.76	26.87	-0.13	0.49	0.16	-0.10
48	184	340.00	-83.63	27.18	-0.32	-0.60	0.03	-0.09
48	193	0.0	-291.42	-11.53	-0.07	18.83	-0.03	-0.04
48	193	40.00	-291.42	-11.53	-0.07	18.80	7.35e-03	-0.04
48	193	80.00	-271.56	-9.53	-0.19	19.09	-0.04	-0.04
48	193	120.00	-250.66	-15.93	-6.15e-03	25.37	-0.06	-0.04
48	193	165.00	-233.47	-16.46	-0.19	15.31	-0.06	-0.05
48	193	210.00	-212.85	-18.34	-0.13	4.30	-0.16	-0.03
48	193	253.33	-194.22	-11.60	0.11	0.97	-0.14	-0.03
48	193	296.67	-178.21	-2.58	0.20	-1.41	-0.06	-0.03
48	193	340.00	-143.68	-5.58	0.08	0.16	-0.06	-0.03
48	194	0.0	19.21	11.38	0.27	-18.93	0.03	0.03
48	194	40.00	19.21	11.38	0.27	-18.96	0.07	0.03
48	194	80.00	15.06	9.62	0.31	-19.10	0.17	0.04
48	194	120.00	5.50	16.36	0.10	-25.44	0.22	0.04
48	194	165.00	-0.53	16.89	0.25	-15.20	0.25	0.05
48	194	210.00	-10.82	18.76	0.18	-3.99	0.37	0.03
48	194	253.33	-19.40	12.24	-0.10	-0.51	0.36	0.03
48	194	296.67	-28.98	3.71	-0.30	1.87	0.24	0.03
48	194	340.00	-34.00	7.03	-0.50	0.27	0.06	0.03
48	204	0.0	-118.73	64.21	0.30	-99.45	0.04	-0.10
48	204	40.00	-118.73	64.21	0.30	-99.48	0.08	-0.10
48	204	80.00	-115.20	74.91	0.14	-96.33	0.17	-0.11

48	204	120.00	-106.71	120.28	0.07	-125.73	0.27	-0.10
48	204	165.00	-106.83	120.26	0.06	-71.04	0.28	-0.10
48	204	210.00	-98.45	121.01	0.04	-14.56	0.32	-0.10
48	204	253.33	-96.38	72.32	-0.01	-0.57	0.28	-0.10
48	204	296.67	-95.67	57.83	-0.15	1.97	0.20	-0.10
48	204	340.00	-85.44	59.32	-0.37	2.38	0.04	-0.09
48	216	0.0	-132.26	32.42	0.28	-47.70	0.04	-0.12
48	216	40.00	-132.26	32.42	0.28	-47.73	0.08	-0.12
48	216	80.00	-124.27	39.82	0.15	-47.05	0.16	-0.13
48	216	120.00	-113.26	63.43	0.05	-62.63	0.25	-0.12
48	216	165.00	-113.43	63.15	0.05	-34.21	0.25	-0.13
48	216	210.00	-103.69	62.59	0.01	-5.57	0.26	-0.12
48	216	253.33	-100.93	37.03	-0.01	0.42	0.26	-0.12
48	216	296.67	-99.65	30.96	-0.15	0.56	0.18	-0.12
48	216	340.00	-83.15	31.32	-0.33	-0.74	0.03	-0.11
48	225	0.0	-317.36	-13.34	-0.10	21.77	-0.04	-0.04
48	225	40.00	-317.36	-13.34	-0.10	21.74	2.18e-03	-0.04
48	225	80.00	-295.49	-11.06	-0.23	22.05	-0.06	-0.04
48	225	120.00	-272.05	-18.49	-0.01	29.26	-0.08	-0.05
48	225	165.00	-252.91	-19.12	-0.22	17.67	-0.08	-0.06
48	225	210.00	-229.67	-21.30	-0.15	4.97	-0.20	-0.04
48	225	253.33	-208.77	-13.49	0.13	1.10	-0.18	-0.04
48	225	296.67	-190.55	-3.09	0.24	-1.63	-0.08	-0.04
48	225	340.00	-152.78	-6.56	0.13	0.14	-0.07	-0.04
48	226	0.0	45.15	13.19	0.29	-21.87	0.04	0.04
48	226	40.00	45.15	13.19	0.29	-21.90	0.08	0.04
48	226	80.00	38.99	11.15	0.35	-22.06	0.18	0.04
48	226	120.00	26.89	18.92	0.10	-29.33	0.24	0.04
48	226	165.00	18.91	19.55	0.29	-17.55	0.28	0.06
48	226	210.00	6.01	21.73	0.20	-4.67	0.42	0.04
48	226	253.33	-4.86	14.12	-0.12	-0.64	0.40	0.04
48	226	296.67	-16.63	4.23	-0.34	2.08	0.26	0.04
48	226	340.00	-24.90	8.01	-0.55	0.29	0.07	0.04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-317.36	-21.30	-2.25	-125.73	-0.38	-0.13
			45.15	121.01	2.36	29.26	2.05	0.06

Macro	Tipo	Angolo 1-Z (gradi)
49	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
49	18	0.0	-1.75	0.04	0.29	-0.75	0.0	-0.08
49	18	40.00	-1.75	0.04	0.29	-0.02	0.11	-0.13
49	18	80.00	-0.98	0.07	-0.29	-7.02e-03	0.0	-0.08
49	19	0.0	-1.30	0.04	0.29	-7.27e-03	0.0	-0.08
49	19	40.00	-1.30	0.04	0.29	9.26e-03	0.11	-0.13
49	19	80.00	-0.71	0.05	-0.29	8.40e-03	0.0	-0.08
49	28	0.0	-1.80	-0.01	-0.08	-0.06	0.0	0.03
49	28	40.00	-1.80	-0.01	-0.08	-0.06	-0.03	0.04
49	28	80.00	-1.00	0.04	0.08	-0.04	0.0	0.03
49	72	0.0	-1.31	0.03	0.19	-0.01	0.0	-0.06
49	72	40.00	-1.31	0.03	0.19	-3.56e-03	0.08	-0.08
49	72	80.00	-0.72	0.04	-0.19	-2.67e-03	0.0	-0.05
49	75	0.0	-1.34	0.02	0.19	-0.02	0.0	-0.05
49	75	40.00	-1.34	0.02	0.19	-0.01	0.08	-0.08
49	75	80.00	-0.75	0.05	-0.19	-7.39e-03	0.0	-0.05
49	80	0.0	-1.37	-7.72e-03	-0.06	-0.04	0.0	0.02
49	80	40.00	-1.37	-7.72e-03	-0.06	-0.04	-0.02	0.03
49	80	80.00	-0.76	0.03	0.06	-0.03	0.0	0.02
49	98	0.0	-1.35	-6.36e-03	7.77e-04	-0.03	0.0	1.32e-03
49	98	40.00	-1.35	-6.36e-03	7.77e-04	-0.04	3.11e-04	2.01e-03
49	98	80.00	-0.75	0.02	-7.77e-04	-0.03	0.0	1.23e-03
49	102	0.0	-1.31	2.22e-03	0.04	-0.02	0.0	-0.01
49	102	40.00	-1.31	2.22e-03	0.04	-0.02	0.02	-0.02
49	102	80.00	-0.72	0.02	-0.04	-0.02	0.0	-9.54e-03
49	103	0.0	-1.34	-1.19e-05	0.04	-0.03	0.0	-9.98e-03
49	103	40.00	-1.34	-1.19e-05	0.04	-0.03	0.02	-0.02
49	103	80.00	-0.74	0.03	-0.04	-0.02	0.0	-9.30e-03
49	106	0.0	-1.32	-3.75e-03	5.96e-04	-0.03	0.0	1.02e-03
49	106	40.00	-1.32	-3.75e-03	5.96e-04	-0.03	2.38e-04	1.55e-03
49	106	80.00	-0.72	0.02	-5.96e-04	-0.02	0.0	9.53e-04
49	107	0.0	-1.34	-5.98e-03	7.51e-04	-0.03	0.0	1.27e-03

49	107	40.00	-1.34	-5.98e-03	7.51e-04	-0.04	3.01e-04	1.94e-03
49	107	80.00	-0.74	0.02	-7.51e-04	-0.03	0.0	1.19e-03
49	111	0.0	-3.11	-27.14	-0.01	-20.30	-3.21e-03	0.04
49	111	40.00	-3.11	-27.14	-0.01	-20.31	-2.91e-03	0.04
49	111	80.00	-1.28	-23.76	8.96e-03	-20.26	-3.21e-03	0.04
49	113	0.0	0.42	27.06	-0.02	20.23	-2.37e-03	-0.03
49	113	40.00	0.42	27.06	-0.02	20.22	-2.07e-03	-0.03
49	113	80.00	-0.22	23.76	0.01	20.18	-2.37e-03	-0.03
49	114	0.0	-3.11	-27.07	0.02	-20.29	2.37e-03	0.03
49	114	40.00	-3.11	-27.07	0.02	-20.29	2.67e-03	0.03
49	114	80.00	-1.27	-23.72	-0.02	-20.24	2.37e-03	0.03
49	123	0.0	-2.22	-13.79	-9.82e-03	-10.32	-2.84e-03	0.04
49	123	40.00	-2.22	-13.79	-9.82e-03	-10.33	-2.54e-03	0.05
49	123	80.00	-1.00	-12.06	9.03e-03	-10.30	-2.84e-03	0.04
49	143	0.0	-3.33	-30.53	-0.01	-22.84	-3.57e-03	0.05
49	143	40.00	-3.33	-30.53	-0.01	-22.84	-3.27e-03	0.05
49	143	80.00	-1.34	-26.74	0.01	-22.79	-3.57e-03	0.05
49	145	0.0	0.64	30.44	-0.02	22.76	-2.65e-03	-0.03
49	145	40.00	0.64	30.44	-0.02	22.76	-2.34e-03	-0.03
49	145	80.00	-0.15	26.72	0.02	22.71	-2.65e-03	-0.03
49	146	0.0	-3.33	-30.46	0.02	-22.82	2.65e-03	0.03
49	146	40.00	-3.33	-30.46	0.02	-22.83	2.95e-03	0.03
49	146	80.00	-1.34	-26.68	-0.02	-22.76	2.65e-03	0.03
49	155	0.0	-2.32	-15.41	-0.01	-11.54	-3.16e-03	0.05
49	155	40.00	-2.32	-15.41	-0.01	-11.54	-2.86e-03	0.05
49	155	80.00	-1.03	-13.48	0.01	-11.51	-3.16e-03	0.05
49	175	0.0	-3.25	-29.30	-0.01	-21.92	-3.20e-03	0.05
49	175	40.00	-3.25	-29.30	-0.01	-21.92	-2.90e-03	0.05
49	175	80.00	-1.32	-25.66	8.98e-03	-21.88	-3.20e-03	0.05
49	177	0.0	0.57	29.21	-0.02	21.85	-2.54e-03	-0.03
49	177	40.00	0.57	29.21	-0.02	21.84	-2.24e-03	-0.03
49	177	80.00	-0.17	25.65	0.01	21.80	-2.54e-03	-0.03
49	178	0.0	-3.25	-29.23	0.02	-21.91	2.54e-03	0.03
49	178	40.00	-3.25	-29.23	0.02	-21.91	2.84e-03	0.03
49	178	80.00	-1.32	-25.61	-0.02	-21.85	2.54e-03	0.03
49	187	0.0	-2.24	-14.11	-0.01	-10.59	-2.88e-03	0.05
49	187	40.00	-2.24	-14.11	-0.01	-10.59	-2.58e-03	0.05
49	187	80.00	-1.01	-12.35	9.29e-03	-10.56	-2.88e-03	0.05
49	207	0.0	-3.54	-33.75	-0.01	-25.24	-3.71e-03	0.05
49	207	40.00	-3.54	-33.75	-0.01	-25.24	-3.41e-03	0.06
49	207	80.00	-1.41	-29.55	0.01	-25.19	-3.71e-03	0.05
49	209	0.0	0.86	33.65	-0.02	25.17	-2.98e-03	-0.04
49	209	40.00	0.86	33.65	-0.02	25.16	-2.68e-03	-0.04
49	209	80.00	-0.08	29.54	0.02	25.11	-2.98e-03	-0.04
49	210	0.0	-3.55	-33.66	0.02	-25.23	2.98e-03	0.04
49	210	40.00	-3.55	-33.66	0.02	-25.23	3.29e-03	0.04
49	210	80.00	-1.40	-29.50	-0.02	-25.16	2.98e-03	0.04
49	219	0.0	-2.39	-16.27	-0.01	-12.21	-3.35e-03	0.06
49	219	40.00	-2.39	-16.27	-0.01	-12.21	-3.05e-03	0.06
49	219	80.00	-1.05	-14.25	0.01	-12.19	-3.35e-03	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.55	-33.75	-0.29	-25.24	-0.03	-0.13
	0.86	33.65	0.29	25.17	0.11	0.06

Macro	Tipo	Angolo 1-Z (gradi)
50	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
50	12	910.00	-0.73	-3.27	0.54	2.01	0.0	-0.08
50	12	960.00	-0.73	-3.27	0.54	0.37	0.27	-0.14
50	12	1010.00	-0.65	-4.38	5.32e-03	-0.16	0.27	-0.15
50	12	1060.00	-0.74	-4.65	-0.47	0.09	0.01	-0.13
50	17	910.00	-0.96	-4.52	0.90	2.82	0.0	-0.14
50	17	960.00	-0.96	-4.52	0.90	0.56	0.45	-0.23
50	17	1010.00	-0.88	-6.03	9.09e-03	-0.19	0.45	-0.25
50	17	1060.00	-1.05	-6.36	-0.79	0.13	0.02	-0.21
50	44	910.00	-1.03	-5.36	-1.77	3.38	0.0	0.27
50	44	960.00	-1.03	-5.36	-1.77	0.70	-0.89	0.45
50	44	1010.00	-0.94	-7.19	-0.02	-0.20	-0.89	0.49
50	44	1060.00	-0.97	-7.59	1.54	0.16	-0.04	0.42
50	45	910.00	-0.80	-3.98	-1.78	2.49	0.0	0.27
50	45	960.00	-0.80	-3.98	-1.78	0.49	-0.89	0.45

50	45	1010.00	-0.72	-5.30	-0.02	-0.16	-0.90	0.49
50	45	1060.00	-0.76	-5.56	1.54	0.11	-0.04	0.42
50	69	910.00	-0.74	-3.36	0.36	2.08	0.0	-0.05
50	69	960.00	-0.74	-3.36	0.36	0.40	0.18	-0.09
50	69	1010.00	-0.66	-4.49	3.63e-03	-0.15	0.18	-0.10
50	69	1060.00	-0.75	-4.74	-0.32	0.09	8.43e-03	-0.08
50	74	910.00	-0.74	-3.47	0.60	2.16	0.0	-0.09
50	74	960.00	-0.74	-3.47	0.60	0.43	0.30	-0.15
50	74	1010.00	-0.68	-4.62	6.07e-03	-0.14	0.30	-0.16
50	74	1060.00	-0.80	-4.86	-0.53	0.10	0.01	-0.14
50	85	910.00	-0.78	-3.84	-1.18	2.40	0.0	0.18
50	85	960.00	-0.78	-3.84	-1.18	0.48	-0.59	0.30
50	85	1010.00	-0.71	-5.10	-0.01	-0.15	-0.60	0.32
50	85	1060.00	-0.76	-5.35	1.03	0.11	-0.03	0.28
50	88	910.00	-0.79	-4.02	-1.18	2.53	0.0	0.18
50	88	960.00	-0.79	-4.02	-1.18	0.52	-0.59	0.30
50	88	1010.00	-0.72	-5.39	-0.01	-0.15	-0.60	0.32
50	88	1060.00	-0.75	-5.68	1.02	0.12	-0.03	0.28
50	102	910.00	-0.75	-3.45	0.12	2.15	0.0	-0.02
50	102	960.00	-0.75	-3.45	0.12	0.42	0.06	-0.03
50	102	1010.00	-0.68	-4.57	1.32e-03	-0.13	0.06	-0.03
50	102	1060.00	-0.78	-4.80	-0.11	0.10	2.96e-03	-0.03
50	103	910.00	-0.75	-3.61	0.12	2.27	0.0	-0.02
50	103	960.00	-0.75	-3.61	0.12	0.46	0.06	-0.03
50	103	1010.00	-0.69	-4.80	1.52e-03	-0.13	0.06	-0.03
50	103	1060.00	-0.79	-5.05	-0.11	0.10	3.02e-03	-0.03
50	104	910.00	-0.76	-3.56	-0.23	2.23	0.0	0.04
50	104	960.00	-0.76	-3.56	-0.23	0.44	-0.12	0.06
50	104	1010.00	-0.69	-4.72	-2.05e-03	-0.14	-0.12	0.06
50	104	1060.00	-0.77	-4.95	0.20	0.10	-5.20e-03	0.06
50	105	910.00	-0.76	-3.73	-0.23	2.34	0.0	0.03
50	105	960.00	-0.76	-3.73	-0.23	0.48	-0.12	0.06
50	105	1010.00	-0.70	-4.96	-1.85e-03	-0.13	-0.12	0.06
50	105	1060.00	-0.78	-5.21	0.20	0.11	-5.14e-03	0.06
50	106	910.00	-0.75	-3.50	4.23e-03	2.18	0.0	-8.40e-04
50	106	960.00	-0.75	-3.50	4.23e-03	0.44	2.12e-03	-1.09e-03
50	106	1010.00	-0.68	-4.63	1.93e-04	-0.13	2.21e-03	-8.70e-04
50	106	1060.00	-0.78	-4.85	-7.90e-03	0.10	2.43e-04	-6.54e-04
50	107	910.00	-0.76	-3.66	5.08e-03	2.30	0.0	-1.11e-03
50	107	960.00	-0.76	-3.66	5.08e-03	0.47	2.54e-03	-1.46e-03
50	107	1010.00	-0.69	-4.86	3.94e-04	-0.13	2.74e-03	-1.19e-03
50	107	1060.00	-0.79	-5.11	-9.82e-03	0.11	3.03e-04	-8.92e-04
50	108	910.00	-0.83	11.09	-0.11	-17.28	-0.02	-0.02
50	108	960.00	-0.83	11.09	-0.11	-19.11	-0.02	-0.02
50	108	1010.00	-0.89	9.27	-5.02e-03	-14.41	-0.03	-0.07
50	108	1060.00	-2.16	7.12	-0.17	0.20	0.03	-0.07
50	110	910.00	-0.65	-21.72	0.35	26.29	0.08	-5.72e-03
50	110	960.00	-0.65	-21.72	0.35	24.47	0.08	-6.88e-03
50	110	1010.00	-0.44	-21.29	-4.56e-03	17.36	0.14	0.03
50	110	1060.00	0.28	-18.55	-0.03	0.05	-8.86e-04	0.03
50	111	910.00	-0.68	-18.41	0.12	21.88	0.02	0.02
50	111	960.00	-0.68	-18.41	0.12	20.05	0.03	0.02
50	111	1010.00	-0.50	-19.00	5.81e-03	14.15	0.03	0.06
50	111	1060.00	0.59	-17.33	0.15	9.80e-03	-0.03	0.07
50	132	910.00	-0.90	6.66	0.51	-11.41	0.13	-0.07
50	132	960.00	-0.90	6.66	0.51	-13.23	0.13	-0.07
50	132	1010.00	-0.89	4.77	-9.76e-03	-10.13	0.26	-0.10
50	132	1060.00	-1.63	2.99	-0.49	0.18	0.08	-0.11
50	140	910.00	-0.84	12.96	-0.13	-19.76	-0.03	-0.02
50	140	960.00	-0.84	12.96	-0.13	-21.59	-0.02	-0.02
50	140	1010.00	-0.91	11.06	-5.67e-03	-16.22	-0.03	-0.08
50	140	1060.00	-2.33	8.67	-0.19	0.21	0.03	-0.08
50	142	910.00	-0.64	-24.01	0.39	29.34	0.09	-6.26e-03
50	142	960.00	-0.64	-24.01	0.39	27.51	0.09	-7.53e-03
50	142	1010.00	-0.40	-23.37	-5.21e-03	19.59	0.16	0.04
50	142	1060.00	0.42	-20.26	-0.03	0.04	-1.06e-03	0.04
50	143	910.00	-0.67	-20.28	0.14	24.36	0.03	0.02
50	143	960.00	-0.67	-20.28	0.14	22.53	0.03	0.02
50	143	1010.00	-0.47	-20.79	6.45e-03	15.96	0.03	0.07
50	143	1060.00	0.76	-18.88	0.17	-2.40e-03	-0.03	0.08
50	164	910.00	-0.92	8.00	0.58	-13.18	0.15	-0.07
50	164	960.00	-0.92	8.00	0.58	-15.01	0.15	-0.08
50	164	1010.00	-0.92	6.01	-0.01	-11.42	0.30	-0.11
50	164	1060.00	-1.74	4.04	-0.55	0.19	0.09	-0.12
50	174	910.00	-0.64	-24.09	0.37	29.47	0.09	-5.93e-03

50	174	960.00	-0.64	-24.09	0.37	27.64	0.09	-7.13e-03
50	174	1010.00	-0.41	-23.45	-6.09e-03	19.68	0.15	0.04
50	174	1060.00	0.42	-20.32	-0.03	0.04	-1.14e-03	0.04
50	180	910.00	-0.85	12.51	-0.11	-19.43	-0.02	-0.02
50	180	960.00	-0.85	12.51	-0.11	-21.26	-0.02	-0.04
50	180	1010.00	-0.93	10.53	-6.09e-03	-15.98	-0.02	-0.07
50	180	1060.00	-2.35	8.08	-0.18	0.23	0.03	-0.07
50	183	910.00	-0.66	-19.83	0.12	24.03	0.02	0.02
50	183	960.00	-0.66	-19.83	0.12	22.21	0.03	0.04
50	183	1010.00	-0.46	-20.25	6.88e-03	15.72	0.03	0.07
50	183	1060.00	0.77	-18.30	0.16	-0.02	-0.03	0.07
50	196	910.00	-0.92	8.19	0.57	-13.43	0.14	-0.07
50	196	960.00	-0.92	8.19	0.57	-15.26	0.15	-0.08
50	196	1010.00	-0.93	6.20	-0.01	-11.60	0.29	-0.11
50	196	1060.00	-1.76	4.19	-0.54	0.19	0.09	-0.12
50	212	910.00	-0.87	15.95	-0.13	-24.06	-0.03	-0.02
50	212	960.00	-0.87	15.95	-0.13	-25.89	-0.02	-0.04
50	212	1010.00	-0.98	13.79	-6.26e-03	-19.35	-0.03	-0.08
50	212	1060.00	-2.67	10.87	-0.21	0.25	0.04	-0.09
50	215	910.00	-0.64	-23.27	0.14	28.66	0.03	0.02
50	215	960.00	-0.64	-23.27	0.14	26.83	0.03	0.04
50	215	1010.00	-0.40	-23.51	7.05e-03	19.09	0.03	0.08
50	215	1060.00	1.09	-21.08	0.19	-0.04	-0.04	0.08
50	219	910.00	-0.57	-27.78	0.06	34.66	5.69e-03	0.03
50	219	960.00	-0.57	-27.78	0.06	32.83	8.23e-03	0.05
50	219	1010.00	-0.31	-27.18	4.17e-03	23.46	-9.21e-03	0.09
50	219	1060.00	1.09	-23.69	0.26	-0.04	-0.05	0.10
50	228	910.00	-0.96	10.43	0.67	-16.40	0.17	-0.09
50	228	960.00	-0.96	10.43	0.67	-18.22	0.17	-0.09
50	228	1010.00	-0.97	8.28	-0.01	-13.76	0.34	-0.13
50	228	1060.00	-1.94	5.94	-0.63	0.21	0.10	-0.14
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-2.67	-27.78	-1.78	-25.89	-0.90	-0.25
			1.09	15.95	1.54	34.66	0.45	0.49

Macro	Tipo	Angolo 1-Z (gradi)
51	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
51	15	910.00	-1.11	7.23	0.93	-5.16	0.0	0.18
51	15	960.00	-1.11	7.23	0.93	-1.55	0.47	0.31
51	15	1010.00	-1.76	9.16	0.05	-1.35	0.49	0.34
51	15	1060.00	-1.46	6.78	-0.88	0.02	0.02	0.22
51	21	910.00	-0.68	5.49	0.93	-3.66	0.0	0.18
51	21	960.00	-0.68	5.49	0.93	-0.92	0.47	0.31
51	21	1010.00	-1.27	6.86	0.05	-0.94	0.49	0.35
51	21	1060.00	-1.13	5.02	-0.89	0.02	0.02	0.22
51	35	910.00	-1.95	5.96	-1.13	-5.89	0.0	-0.22
51	35	960.00	-1.95	5.96	-1.13	-2.91	-0.56	-0.38
51	35	1010.00	-3.22	6.99	-0.08	-4.14	-0.60	-0.42
51	35	1060.00	-1.44	4.84	1.05	-2.30e-03	-0.02	-0.27
51	42	910.00	-1.76	6.03	-1.87	-5.57	0.0	-0.37
51	42	960.00	-1.76	6.03	-1.87	-2.56	-0.94	-0.63
51	42	1010.00	-2.65	7.26	-0.12	-3.07	-1.00	-0.69
51	42	1060.00	-1.45	5.10	1.75	0.02	-0.03	-0.45
51	72	910.00	-0.84	5.54	0.62	-3.93	0.0	0.12
51	72	960.00	-0.84	5.54	0.62	-1.17	0.31	0.21
51	72	1010.00	-1.32	7.02	0.03	-0.97	0.33	0.23
51	72	1060.00	-1.12	5.20	-0.59	0.02	0.01	0.15
51	74	910.00	-0.79	5.39	0.62	-3.76	0.0	0.12
51	74	960.00	-0.79	5.39	0.62	-1.07	0.31	0.21
51	74	1010.00	-1.36	6.72	0.03	-1.09	0.33	0.23
51	74	1060.00	-1.13	4.91	-0.59	0.02	0.01	0.15
51	83	910.00	-1.41	4.69	-0.75	-4.42	0.0	-0.15
51	83	960.00	-1.41	4.69	-0.75	-2.07	-0.38	-0.25
51	83	1010.00	-2.29	5.58	-0.05	-2.83	-0.40	-0.28
51	83	1060.00	-1.11	3.90	0.70	3.21e-03	-0.01	-0.18
51	86	910.00	-1.28	4.73	-1.25	-4.20	0.0	-0.25
51	86	960.00	-1.28	4.73	-1.25	-1.84	-0.62	-0.42
51	86	1010.00	-1.91	5.76	-0.08	-2.12	-0.66	-0.46
51	86	1060.00	-1.11	4.08	1.17	0.02	-0.02	-0.30
51	101	910.00	-0.98	5.08	-3.96e-03	-3.88	0.0	-1.31e-03

51	101	960.00	-0.98	5.08	-3.96e-03	-1.34	-1.98e-03	-1.23e-03
51	101	1010.00	-1.60	6.25	-5.22e-03	-1.53	-4.59e-03	-4.11e-04
51	101	1060.00	-1.12	4.51	-5.75e-03	0.02	1.82e-04	-4.10e-04
51	102	910.00	-0.92	5.29	0.12	-3.89	0.0	0.02
51	102	960.00	-0.92	5.29	0.12	-1.24	0.06	0.04
51	102	1010.00	-1.39	6.66	3.78e-03	-1.11	0.06	0.05
51	102	1060.00	-1.12	4.88	-0.12	0.02	2.32e-03	0.03
51	103	910.00	-0.87	5.16	0.12	-3.74	0.0	0.02
51	103	960.00	-0.87	5.16	0.12	-1.16	0.06	0.04
51	103	1010.00	-1.43	6.40	2.40e-03	-1.22	0.06	0.05
51	103	1060.00	-1.12	4.64	-0.12	0.03	2.35e-03	0.03
51	104	910.00	-0.96	5.15	-0.25	-3.87	0.0	-0.05
51	104	960.00	-0.96	5.15	-0.25	-1.30	-0.13	-0.08
51	104	1010.00	-1.43	6.44	-0.02	-1.20	-0.13	-0.09
51	104	1060.00	-1.12	4.68	0.23	0.03	-4.20e-03	-0.06
51	106	910.00	-0.94	5.23	-1.43e-03	-3.88	0.0	-8.71e-04
51	106	960.00	-0.94	5.23	-1.43e-03	-1.26	-7.13e-04	-8.66e-04
51	106	1010.00	-1.41	6.57	-3.73e-03	-1.15	-2.58e-03	-3.60e-04
51	106	1060.00	-1.12	4.80	-4.51e-03	0.03	1.44e-04	-3.99e-04
51	107	910.00	-0.89	5.10	-4.05e-03	-3.73	0.0	-1.26e-03
51	107	960.00	-0.89	5.10	-4.05e-03	-1.18	-2.03e-03	-1.16e-03
51	107	1010.00	-1.45	6.31	-5.11e-03	-1.26	-4.58e-03	-3.42e-04
51	107	1060.00	-1.12	4.56	-5.67e-03	0.03	1.79e-04	-3.63e-04
51	112	910.00	3.25	21.92	-3.19e-03	-27.22	-1.84e-03	0.08
51	112	960.00	3.25	21.92	-3.19e-03	-24.67	-3.87e-03	0.08
51	112	1010.00	1.74	24.30	-0.04	-18.02	0.03	0.08
51	112	1060.00	-1.01	18.17	9.15e-03	-1.15	-7.60e-04	0.04
51	132	910.00	4.69	15.23	0.55	-11.74	0.14	0.10
51	132	960.00	4.69	15.23	0.55	-9.19	0.13	0.11
51	132	1010.00	2.60	17.52	-0.01	-7.17	0.28	0.14
51	132	1060.00	-1.15	13.09	-0.47	-0.72	0.08	0.09
51	135	910.00	-6.47	-5.03	-0.55	4.28	-0.14	-0.10
51	135	960.00	-6.47	-5.03	-0.55	6.83	-0.14	-0.11
51	135	1010.00	-5.50	-4.91	3.08e-03	4.66	-0.29	-0.14
51	135	1060.00	-1.10	-3.97	0.46	0.79	-0.08	-0.09
51	144	910.00	3.78	24.06	-3.06e-03	-30.21	-2.07e-03	0.09
51	144	960.00	3.78	24.06	-3.06e-03	-27.66	-4.10e-03	0.09
51	144	1010.00	2.15	26.59	-0.04	-20.15	0.04	0.09
51	144	1060.00	-1.00	19.90	0.01	-1.30	-8.82e-04	0.04
51	164	910.00	5.41	16.54	0.61	-12.78	0.15	0.12
51	164	960.00	5.41	16.54	0.61	-10.23	0.15	0.12
51	164	1010.00	3.13	18.97	-0.01	-7.94	0.32	0.16
51	164	1060.00	-1.15	14.19	-0.53	-0.82	0.09	0.10
51	167	910.00	-7.19	-6.34	-0.62	5.32	-0.15	-0.12
51	167	960.00	-7.19	-6.34	-0.62	7.87	-0.16	-0.13
51	167	1010.00	-6.03	-6.35	4.11e-03	5.43	-0.33	-0.16
51	167	1060.00	-1.10	-5.07	0.52	0.88	-0.09	-0.10
51	176	910.00	3.81	24.13	2.94e-03	-30.33	-5.31e-04	0.09
51	176	960.00	3.81	24.13	2.94e-03	-27.78	-2.56e-03	0.09
51	176	1010.00	2.17	26.65	-0.04	-20.24	0.04	0.09
51	176	1060.00	-0.99	19.95	5.74e-03	-1.30	4.96e-06	0.04
51	196	910.00	5.50	16.72	0.61	-12.96	0.15	0.11
51	196	960.00	5.50	16.72	0.61	-10.41	0.15	0.12
51	196	1010.00	3.19	19.15	-0.01	-8.08	0.31	0.16
51	196	1060.00	-1.15	14.33	-0.52	-0.83	0.09	0.10
51	199	910.00	-7.28	-6.51	-0.62	5.50	-0.15	-0.12
51	199	960.00	-7.28	-6.51	-0.62	8.05	-0.15	-0.12
51	199	1010.00	-6.09	-6.53	3.75e-03	5.57	-0.32	-0.16
51	199	1060.00	-1.10	-5.21	0.51	0.89	-0.09	-0.10
51	208	910.00	4.66	27.55	6.52e-03	-35.11	-9.91e-06	0.10
51	208	960.00	4.66	27.55	6.52e-03	-32.56	-2.04e-03	0.10
51	208	1010.00	2.83	30.30	-0.04	-23.66	0.05	0.11
51	208	1060.00	-0.97	22.71	5.60e-03	-1.54	3.32e-04	0.05
51	231	910.00	-8.48	-8.70	-0.72	7.27	-0.18	-0.13
51	231	960.00	-8.48	-8.70	-0.72	9.82	-0.18	-0.14
51	231	1010.00	-6.96	-8.94	5.16e-03	6.88	-0.38	-0.19
51	231	1060.00	-1.10	-7.03	0.60	1.05	-0.11	-0.12
51	232	910.00	6.73	18.90	0.85	-14.81	0.21	0.09
51	232	960.00	6.73	18.90	0.85	-12.26	0.21	0.10
51	232	1010.00	4.08	21.49	-7.33e-03	-9.44	0.36	0.15
51	232	1060.00	-1.15	16.04	-0.68	-0.99	0.13	0.11
51	235	910.00	-8.50	-8.70	-0.86	7.35	-0.21	-0.09
51	235	960.00	-8.50	-8.70	-0.86	9.90	-0.21	-0.10
51	235	1010.00	-6.98	-8.87	-2.89e-03	6.93	-0.37	-0.15
51	235	1060.00	-1.10	-6.91	0.67	1.05	-0.13	-0.11

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-8.50	-8.94	-1.87	-35.11	-1.00	-0.69
	6.73	30.30	1.75	9.90	0.49	0.35

Macro	Tipo	Angolo 1-Z (gradi)
52	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
52	3	910.00	-0.97	-2.35	0.54	-0.33	0.0	-0.08
52	3	960.00	-0.97	-2.35	0.54	-1.50	0.27	-0.14
52	3	1010.00	-0.97	-3.77	3.17e-03	-1.60	0.27	-0.15
52	3	1060.00	-1.23	-4.09	-0.47	-0.11	0.01	-0.13
52	12	910.00	-0.71	-2.37	0.54	0.37	0.0	-0.08
52	12	960.00	-0.71	-2.37	0.54	-0.82	0.27	-0.13
52	12	1010.00	-0.65	-3.44	2.24e-03	-1.02	0.27	-0.15
52	12	1060.00	-0.80	-3.66	-0.47	-0.05	0.01	-0.13
52	41	910.00	-1.00	-3.59	-1.81	0.84	0.0	0.26
52	41	960.00	-1.00	-3.59	-1.81	-0.95	-0.90	0.43
52	41	1010.00	-0.95	-5.14	-1.47e-03	-1.30	-0.91	0.47
52	41	1060.00	-1.10	-5.45	1.56	-0.04	-0.04	0.40
52	45	910.00	-0.77	-2.92	-1.81	0.78	0.0	0.26
52	45	960.00	-0.77	-2.92	-1.81	-0.68	-0.90	0.43
52	45	1010.00	-0.74	-4.14	-1.91e-03	-0.97	-0.91	0.47
52	45	1060.00	-0.84	-4.37	1.56	-0.02	-0.04	0.41
52	67	910.00	-0.75	-1.97	0.36	-0.08	0.0	-0.05
52	67	960.00	-0.75	-1.97	0.36	-1.07	0.18	-0.09
52	67	1010.00	-0.74	-3.06	2.25e-03	-1.17	0.18	-0.10
52	67	1060.00	-0.94	-3.30	-0.31	-0.07	8.20e-03	-0.08
52	69	910.00	-0.72	-2.43	0.36	0.42	0.0	-0.05
52	69	960.00	-0.72	-2.43	0.36	-0.80	0.18	-0.09
52	69	1010.00	-0.67	-3.52	1.92e-03	-1.01	0.18	-0.10
52	69	1060.00	-0.82	-3.73	-0.31	-0.05	8.18e-03	-0.08
52	85	910.00	-0.76	-2.79	-1.21	0.69	0.0	0.17
52	85	960.00	-0.76	-2.79	-1.21	-0.70	-0.60	0.29
52	85	1010.00	-0.73	-3.98	-8.42e-04	-0.98	-0.60	0.31
52	85	1060.00	-0.85	-4.21	1.04	-0.03	-0.03	0.27
52	98	910.00	-0.75	-2.19	-4.29e-03	0.14	0.0	-1.75e-03
52	98	960.00	-0.75	-2.19	-4.29e-03	-0.96	-2.14e-03	-3.06e-03
52	98	1010.00	-0.74	-3.31	1.51e-03	-1.11	-1.39e-03	-3.42e-03
52	98	1060.00	-0.91	-3.54	-1.01e-03	-0.06	-3.36e-05	-3.00e-03
52	99	910.00	-0.73	-2.63	-4.00e-03	0.61	0.0	-1.62e-03
52	99	960.00	-0.73	-2.63	-4.00e-03	-0.71	-2.00e-03	-2.80e-03
52	99	1010.00	-0.70	-3.75	1.23e-03	-0.95	-1.38e-03	-3.10e-03
52	99	1060.00	-0.85	-3.96	-2.06e-04	-0.03	-5.01e-05	-2.71e-03
52	104	910.00	-0.74	-2.70	-0.24	0.67	0.0	0.03
52	104	960.00	-0.74	-2.70	-0.24	-0.68	-0.12	0.06
52	104	1010.00	-0.71	-3.84	8.00e-04	-0.94	-0.12	0.06
52	104	1060.00	-0.86	-4.05	0.21	-0.03	-5.54e-03	0.05
52	106	910.00	-0.73	-2.68	-4.00e-03	0.66	0.0	-1.59e-03
52	106	960.00	-0.73	-2.68	-4.00e-03	-0.68	-2.00e-03	-2.75e-03
52	106	1010.00	-0.71	-3.80	1.21e-03	-0.93	-1.40e-03	-3.05e-03
52	106	1060.00	-0.86	-4.01	-1.41e-04	-0.03	-5.19e-05	-2.67e-03
52	107	910.00	-0.75	-2.26	-4.25e-03	0.21	0.0	-1.73e-03
52	107	960.00	-0.75	-2.26	-4.25e-03	-0.92	-2.12e-03	-3.01e-03
52	107	1010.00	-0.73	-3.38	1.47e-03	-1.09	-1.39e-03	-3.37e-03
52	107	1060.00	-0.90	-3.61	-8.85e-04	-0.05	-3.62e-05	-2.95e-03
52	108	910.00	-0.82	12.04	0.10	-20.95	0.02	-0.02
52	108	960.00	-0.82	12.04	0.10	-22.08	0.02	-0.03
52	108	1010.00	-1.31	10.69	7.55e-03	-16.34	0.05	-0.04
52	108	1060.00	-2.70	8.97	-0.11	0.12	0.02	-0.04
52	111	910.00	-0.67	-16.56	-0.11	21.38	-0.02	0.02
52	111	960.00	-0.67	-16.56	-0.11	20.25	-0.03	0.02
52	111	1010.00	-0.16	-17.44	-4.61e-03	14.17	-0.05	0.03
52	111	1060.00	0.89	-16.18	0.11	-0.23	-0.02	0.04
52	115	910.00	-0.65	-19.67	-0.11	26.02	-0.02	0.02
52	115	960.00	-0.65	-19.67	-0.11	24.89	-0.03	0.02
52	115	1010.00	-0.05	-20.49	-4.86e-03	17.51	-0.05	0.04
52	115	1060.00	0.87	-18.88	0.11	-0.23	-0.02	0.04
52	132	910.00	-0.79	7.75	0.47	-14.60	0.12	-0.05
52	132	960.00	-0.79	7.75	0.47	-15.73	0.12	-0.06
52	132	1010.00	-1.12	6.47	-0.01	-11.77	0.23	-0.07
52	132	1060.00	-1.94	5.15	-0.38	0.05	0.06	-0.08

52	140	910.00	-0.83	13.85	0.11	-23.63	0.03	-0.03
52	140	960.00	-0.83	13.85	0.11	-24.76	0.02	-0.03
52	140	1010.00	-1.38	12.46	8.32e-03	-18.27	0.05	-0.05
52	140	1060.00	-2.92	10.56	-0.12	0.15	0.02	-0.05
52	143	910.00	-0.66	-18.37	-0.12	24.06	-0.03	0.02
52	143	960.00	-0.66	-18.37	-0.12	22.93	-0.03	0.03
52	143	1010.00	-0.09	-19.22	-5.38e-03	16.10	-0.06	0.04
52	143	1060.00	1.12	-17.77	0.12	-0.26	-0.02	0.04
52	147	910.00	-0.63	-21.88	-0.12	29.30	-0.03	0.02
52	147	960.00	-0.63	-21.88	-0.12	28.17	-0.03	0.03
52	147	1010.00	0.04	-22.66	-5.67e-03	19.87	-0.06	0.04
52	147	1060.00	1.10	-20.82	0.12	-0.25	-0.02	0.04
52	164	910.00	-0.80	9.04	0.53	-16.51	0.13	-0.06
52	164	960.00	-0.80	9.04	0.53	-17.64	0.13	-0.06
52	164	1010.00	-1.17	7.74	-0.01	-13.14	0.26	-0.08
52	164	1060.00	-2.08	6.28	-0.42	0.07	0.07	-0.08
52	172	910.00	-0.83	13.87	0.11	-23.67	0.03	-0.03
52	172	960.00	-0.83	13.87	0.11	-24.80	0.02	-0.03
52	172	1010.00	-1.37	12.49	8.47e-03	-18.30	0.05	-0.05
52	172	1060.00	-2.93	10.58	-0.12	0.15	0.02	-0.05
52	175	910.00	-0.66	-18.39	-0.12	24.09	-0.03	0.02
52	175	960.00	-0.66	-18.39	-0.12	22.96	-0.03	0.03
52	175	1010.00	-0.09	-19.24	-5.53e-03	16.12	-0.06	0.04
52	175	1060.00	1.13	-17.79	0.12	-0.26	-0.02	0.04
52	179	910.00	-0.63	-21.98	-0.12	29.45	-0.03	0.02
52	179	960.00	-0.63	-21.98	-0.12	28.32	-0.03	0.03
52	179	1010.00	0.03	-22.76	-5.81e-03	19.98	-0.06	0.04
52	179	1060.00	1.11	-20.92	0.12	-0.25	-0.02	0.04
52	196	910.00	-0.80	9.18	0.52	-16.74	0.13	-0.06
52	196	960.00	-0.80	9.18	0.52	-17.87	0.13	-0.06
52	196	1010.00	-1.18	7.87	-0.01	-13.31	0.26	-0.08
52	196	1060.00	-2.10	6.40	-0.42	0.07	0.07	-0.08
52	211	910.00	-0.61	-25.52	-0.14	34.71	-0.03	0.03
52	211	960.00	-0.61	-25.52	-0.14	33.58	-0.03	0.03
52	211	1010.00	0.17	-26.25	-7.18e-03	23.77	-0.07	0.05
52	211	1060.00	1.47	-24.03	0.14	-0.29	-0.02	0.05
52	212	910.00	-0.85	16.60	0.13	-28.13	0.03	-0.03
52	212	960.00	-0.85	16.60	0.13	-29.26	0.03	-0.04
52	212	1010.00	-1.50	14.94	8.34e-03	-21.51	0.07	-0.05
52	212	1060.00	-3.33	12.55	-0.14	0.20	0.02	-0.05
52	215	910.00	-0.64	-21.12	-0.14	28.56	-0.03	0.03
52	215	960.00	-0.64	-21.12	-0.14	27.43	-0.03	0.04
52	215	1010.00	0.04	-21.70	-5.40e-03	19.34	-0.07	0.05
52	215	1060.00	1.52	-19.76	0.14	-0.31	-0.02	0.05
52	228	910.00	-0.81	11.31	0.61	-19.91	0.15	-0.06
52	228	960.00	-0.81	11.31	0.61	-21.04	0.15	-0.07
52	228	1010.00	-1.26	9.96	-0.02	-15.59	0.30	-0.09
52	228	1060.00	-2.33	8.26	-0.48	0.09	0.08	-0.10

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.33	-26.25	-1.81	-29.26	-0.91	-0.15
	1.52	16.60	1.56	34.71	0.30	0.47

Macro	Tipo	Angolo 1-Z (gradi)
53	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
53	4	210.00	-0.51	0.16	0.44	-0.10	0.0	0.03
53	4	253.33	-0.51	0.16	0.44	-0.03	0.19	0.06
53	4	296.67	-0.36	0.25	0.04	-0.02	0.21	0.06
53	4	340.00	-0.30	-0.07	-0.32	0.05	3.40e-03	0.03
53	19	210.00	-0.38	0.08	0.73	-0.05	0.0	0.06
53	19	253.33	-0.38	0.08	0.73	-0.01	0.32	0.10
53	19	296.67	-0.26	0.13	0.06	-1.40e-03	0.34	0.10
53	19	340.00	-0.24	-0.11	-0.53	0.04	5.52e-03	0.06
53	48	210.00	-0.39	0.12	-0.36	-0.08	0.0	-0.03
53	48	253.33	-0.39	0.12	-0.36	-0.02	-0.16	-0.05
53	48	296.67	-0.27	0.19	-0.03	-0.02	-0.17	-0.05
53	48	340.00	-0.23	-0.08	0.26	0.04	-2.64e-03	-0.03
53	52	210.00	-0.51	0.14	3.96e-03	-0.09	0.0	-1.68e-03
53	52	253.33	-0.51	0.14	3.96e-03	-0.03	1.71e-03	-2.76e-03
53	52	296.67	-0.36	0.24	-9.79e-04	-0.02	1.29e-03	-2.69e-03
53	52	340.00	-0.30	-0.09	-3.22e-03	0.05	1.14e-04	-1.61e-03

53	68	210.00	-0.39	0.11	0.29	-0.07	0.0	0.02
53	68	253.33	-0.39	0.11	0.29	-0.02	0.13	0.04
53	68	296.67	-0.28	0.18	0.03	-0.01	0.14	0.04
53	68	340.00	-0.23	-0.07	-0.21	0.04	2.27e-03	0.02
53	72	210.00	-0.38	0.08	0.49	-0.05	0.0	0.04
53	72	253.33	-0.38	0.08	0.49	-0.01	0.21	0.07
53	72	296.67	-0.26	0.12	0.04	-3.27e-03	0.23	0.07
53	72	340.00	-0.24	-0.12	-0.35	0.04	3.70e-03	0.04
53	88	210.00	-0.39	0.10	-0.24	-0.06	0.0	-0.02
53	88	253.33	-0.39	0.10	-0.24	-0.02	-0.10	-0.04
53	88	296.67	-0.27	0.17	-0.02	-0.01	-0.11	-0.04
53	88	340.00	-0.23	-0.10	0.17	0.04	-1.74e-03	-0.02
53	92	210.00	-0.39	0.10	2.85e-03	-0.07	0.0	-1.20e-03
53	92	253.33	-0.39	0.10	2.85e-03	-0.02	1.24e-03	-1.97e-03
53	92	296.67	-0.27	0.17	-6.91e-04	-0.01	9.36e-04	-1.92e-03
53	92	340.00	-0.23	-0.08	-2.33e-03	0.04	8.16e-05	-1.15e-03
53	98	210.00	-0.39	0.08	2.55e-03	-0.05	0.0	-1.04e-03
53	98	253.33	-0.39	0.08	2.55e-03	-0.02	1.10e-03	-1.71e-03
53	98	296.67	-0.27	0.14	-5.86e-04	-0.01	8.50e-04	-1.67e-03
53	98	340.00	-0.23	-0.10	-2.08e-03	0.04	7.20e-05	-1.01e-03
53	102	210.00	-0.38	0.06	0.10	-0.04	0.0	6.98e-03
53	102	253.33	-0.38	0.06	0.10	-0.01	0.04	0.01
53	102	296.67	-0.26	0.11	8.16e-03	-5.22e-03	0.05	0.01
53	102	340.00	-0.23	-0.14	-0.07	0.04	7.85e-04	7.22e-03
53	105	210.00	-0.39	0.08	-0.05	-0.05	0.0	-4.88e-03
53	105	253.33	-0.39	0.08	-0.05	-0.02	-0.02	-8.33e-03
53	105	296.67	-0.27	0.14	-4.85e-03	-0.01	-0.02	-8.40e-03
53	105	340.00	-0.23	-0.11	0.03	0.04	-2.93e-04	-4.98e-03
53	106	210.00	-0.38	0.06	2.03e-03	-0.04	0.0	-7.72e-04
53	106	253.33	-0.38	0.06	2.03e-03	-0.01	8.81e-04	-1.28e-03
53	106	296.67	-0.26	0.11	-4.07e-04	-5.71e-03	7.05e-04	-1.26e-03
53	106	340.00	-0.23	-0.14	-1.65e-03	0.04	5.57e-05	-7.68e-04
53	107	210.00	-0.39	0.08	2.47e-03	-0.05	0.0	-1.00e-03
53	107	253.33	-0.39	0.08	2.47e-03	-0.02	1.07e-03	-1.65e-03
53	107	296.67	-0.27	0.14	-5.61e-04	-0.01	8.29e-04	-1.61e-03
53	107	340.00	-0.23	-0.11	-2.02e-03	0.04	6.97e-05	-9.74e-04
53	113	210.00	2.10	26.88	-0.04	-7.72	-6.99e-03	-0.04
53	113	253.33	2.10	26.88	-0.04	-7.69	-5.92e-03	-0.04
53	113	296.67	0.64	31.16	-2.08e-03	-4.79	-0.01	-0.05
53	113	340.00	-0.19	23.09	0.02	-0.13	-3.98e-03	-0.03
53	114	210.00	-2.87	-26.72	0.04	7.62	6.99e-03	0.04
53	114	253.33	-2.87	-26.72	0.04	7.65	8.07e-03	0.04
53	114	296.67	-1.18	-30.88	9.63e-04	4.77	0.02	0.04
53	114	340.00	-0.28	-23.31	-0.02	0.21	4.12e-03	0.03
53	117	210.00	0.87	13.70	-0.04	-3.94	-7.75e-03	-0.04
53	117	253.33	0.87	13.70	-0.04	-3.91	-6.68e-03	-0.04
53	117	296.67	0.25	15.92	-1.88e-03	-2.41	-0.02	-0.05
53	117	340.00	-0.21	11.71	0.02	-0.05	-4.00e-03	-0.03
53	145	210.00	2.41	30.23	-0.04	-8.68	-7.86e-03	-0.05
53	145	253.33	2.41	30.23	-0.04	-8.64	-6.79e-03	-0.05
53	145	296.67	0.75	35.04	-2.28e-03	-5.39	-0.02	-0.05
53	145	340.00	-0.18	25.99	0.02	-0.16	-4.47e-03	-0.04
53	146	210.00	-3.18	-30.07	0.05	8.57	7.86e-03	0.04
53	146	253.33	-3.18	-30.07	0.05	8.61	8.93e-03	0.04
53	146	296.67	-1.29	-34.76	1.16e-03	5.37	0.02	0.05
53	146	340.00	-0.28	-26.21	-0.03	0.24	4.61e-03	0.03
53	149	210.00	1.02	15.30	-0.04	-4.40	-8.71e-03	-0.05
53	149	253.33	1.02	15.30	-0.04	-4.36	-7.63e-03	-0.05
53	149	296.67	0.31	17.79	-2.04e-03	-2.69	-0.02	-0.05
53	149	340.00	-0.21	13.11	0.02	-0.06	-4.49e-03	-0.04
53	177	210.00	2.30	29.03	-0.04	-8.33	-7.73e-03	-0.05
53	177	253.33	2.30	29.03	-0.04	-8.30	-6.66e-03	-0.05
53	177	296.67	0.72	33.66	-2.30e-03	-5.17	-0.02	-0.05
53	177	340.00	-0.18	24.96	0.02	-0.15	-4.33e-03	-0.04
53	178	210.00	-3.07	-28.87	0.05	8.23	7.73e-03	0.04
53	178	253.33	-3.07	-28.87	0.05	8.26	8.81e-03	0.04
53	178	296.67	-1.26	-33.39	1.18e-03	5.15	0.02	0.05
53	178	340.00	-0.28	-25.18	-0.03	0.23	4.47e-03	0.03
53	181	210.00	0.91	14.07	-0.04	-4.04	-8.50e-03	-0.05
53	181	253.33	0.91	14.07	-0.04	-4.00	-7.43e-03	-0.05
53	181	296.67	0.27	16.37	-2.01e-03	-2.47	-0.02	-0.06
53	181	340.00	-0.21	12.06	0.02	-0.05	-4.29e-03	-0.04
53	209	210.00	2.71	33.43	-0.05	-9.59	-9.03e-03	-0.05
53	209	253.33	2.71	33.43	-0.05	-9.55	-7.95e-03	-0.05
53	209	296.67	0.87	38.76	-2.57e-03	-5.96	-0.02	-0.06

53	209	340.00	-0.18	28.78	0.03	-0.18	-5.03e-03	-0.04
53	210	210.00	-3.48	-33.26	0.05	9.48	9.03e-03	0.05
53	210	253.33	-3.48	-33.26	0.05	9.52	0.01	0.05
53	210	296.67	-1.41	-38.48	1.45e-03	5.94	0.02	0.06
53	210	340.00	-0.29	-29.00	-0.03	0.26	5.17e-03	0.04
53	213	210.00	1.11	16.23	-0.05	-4.65	-9.89e-03	-0.06
53	213	253.33	1.11	16.23	-0.05	-4.62	-8.82e-03	-0.06
53	213	296.67	0.35	18.89	-2.21e-03	-2.84	-0.02	-0.07
53	213	340.00	-0.21	13.95	0.03	-0.06	-4.95e-03	-0.05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.48	-38.48	-0.53	-9.59	-0.17	-0.07
	2.71	38.76	0.73	9.52	0.34	0.10

Macro	Tipo	Angolo 1-Z (gradi)
54	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
54	4	0.0	-3.84	0.04	0.87	-0.05	0.0	-1.04e-04
54	4	40.00	-3.84	0.04	0.87	-0.03	0.35	-1.43e-04
54	4	80.00	-3.58	0.02	0.78	-0.04	0.66	-7.10e-05
54	4	120.00	-3.83	0.09	0.34	-0.03	0.80	-5.64e-05
54	4	165.00	-3.57	0.09	0.22	6.87e-03	0.89	-4.84e-05
54	4	210.00	-3.29	0.09	0.08	0.05	0.93	-4.89e-05
54	4	253.33	-1.22	0.03	-0.73	2.04e-03	0.62	-1.85e-04
54	4	253.33	-1.22	0.03	-0.73	2.04e-03	0.62	-1.85e-04
54	4	296.67	-1.22	0.03	-0.73	0.01	0.30	-2.67e-04
54	4	296.67	-1.22	0.03	-0.73	0.01	0.30	-2.67e-04
54	4	340.00	-0.40	0.03	-0.69	8.68e-03	0.0	-2.55e-04
54	15	0.0	-3.86	0.03	1.44	-0.03	0.0	-3.11e-05
54	15	40.00	-3.86	0.03	1.44	-0.02	0.58	-2.63e-05
54	15	80.00	-3.62	0.01	1.29	-0.03	1.09	5.02e-05
54	15	120.00	-3.87	0.06	0.57	-0.02	1.32	9.22e-06
54	15	165.00	-3.61	0.06	0.36	5.35e-03	1.49	1.52e-05
54	15	210.00	-3.33	0.06	0.13	0.03	1.55	2.68e-05
54	15	253.33	-1.24	0.02	-1.22	5.22e-04	1.02	-1.59e-04
54	15	253.33	-1.24	0.02	-1.22	5.22e-04	1.02	-1.59e-04
54	15	296.67	-1.24	0.02	-1.22	7.66e-03	0.50	-2.93e-04
54	15	296.67	-1.24	0.02	-1.22	7.66e-03	0.50	-2.93e-04
54	15	340.00	-0.41	0.02	-1.15	5.43e-03	0.0	-3.05e-04
54	18	0.0	-3.85	0.04	1.44	-0.04	0.0	-7.02e-05
54	18	40.00	-3.85	0.04	1.44	-0.03	0.58	-8.50e-05
54	18	80.00	-3.59	0.02	1.29	-0.04	1.09	3.74e-06
54	18	120.00	-3.85	0.08	0.57	-0.03	1.32	-1.91e-05
54	18	165.00	-3.58	0.08	0.36	6.82e-03	1.49	-1.11e-05
54	18	210.00	-3.30	0.08	0.13	0.04	1.55	-2.89e-06
54	18	253.33	-1.22	0.02	-1.22	1.95e-03	1.03	-2.00e-04
54	18	253.33	-1.22	0.02	-1.22	1.95e-03	1.03	-2.00e-04
54	18	296.67	-1.22	0.02	-1.22	0.01	0.50	-3.35e-04
54	18	296.67	-1.22	0.02	-1.22	0.01	0.50	-3.35e-04
54	18	340.00	-0.41	0.03	-1.15	8.44e-03	0.0	-3.38e-04
54	32	0.0	-2.93	0.03	-0.43	-0.03	0.0	-1.14e-04
54	32	40.00	-2.93	0.03	-0.43	-0.02	-0.17	-1.78e-04
54	32	80.00	-2.73	0.02	-0.38	-0.03	-0.33	-1.62e-04
54	32	120.00	-2.93	0.06	-0.17	-0.02	-0.39	-9.16e-05
54	32	165.00	-2.72	0.06	-0.11	5.15e-03	-0.44	-8.59e-05
54	32	210.00	-2.51	0.06	-0.04	0.03	-0.46	-9.86e-05
54	32	253.33	-0.93	0.02	0.36	1.52e-03	-0.31	-7.66e-05
54	32	253.33	-0.93	0.02	0.36	1.52e-03	-0.31	-7.66e-05
54	32	296.67	-0.93	0.02	0.36	9.71e-03	-0.15	-3.79e-05
54	32	296.67	-0.93	0.02	0.36	9.71e-03	-0.15	-3.79e-05
54	32	340.00	-0.31	0.02	0.34	6.58e-03	0.0	-5.10e-06
54	68	0.0	-2.95	0.03	0.58	-0.03	0.0	-7.51e-05
54	68	40.00	-2.95	0.03	0.58	-0.02	0.23	-1.05e-04
54	68	80.00	-2.76	0.01	0.52	-0.03	0.44	-5.45e-05
54	68	120.00	-2.95	0.06	0.23	-0.02	0.53	-4.21e-05
54	68	165.00	-2.75	0.06	0.14	4.93e-03	0.60	-3.64e-05
54	68	210.00	-2.53	0.06	0.05	0.03	0.62	-3.74e-05
54	68	253.33	-0.94	0.02	-0.49	1.23e-03	0.41	-1.30e-04
54	68	253.33	-0.94	0.02	-0.49	1.23e-03	0.41	-1.30e-04
54	68	296.67	-0.94	0.02	-0.49	8.76e-03	0.20	-1.85e-04
54	68	296.67	-0.94	0.02	-0.49	8.76e-03	0.20	-1.85e-04
54	68	340.00	-0.31	0.02	-0.46	5.97e-03	0.0	-1.75e-04

54	72	0.0	-2.97	0.02	0.96	-0.02	0.0	-2.67e-05
54	72	40.00	-2.97	0.02	0.96	-0.02	0.38	-2.65e-05
54	72	80.00	-2.78	9.13e-03	0.86	-0.02	0.73	2.63e-05
54	72	120.00	-2.98	0.04	0.38	-0.01	0.88	1.68e-06
54	72	165.00	-2.78	0.04	0.24	3.91e-03	0.99	5.94e-06
54	72	210.00	-2.56	0.04	0.09	0.02	1.03	1.31e-05
54	72	253.33	-0.96	0.01	-0.81	2.17e-04	0.68	-1.12e-04
54	72	253.33	-0.96	0.01	-0.81	2.17e-04	0.68	-1.12e-04
54	72	296.67	-0.96	0.01	-0.81	5.28e-03	0.33	-2.02e-04
54	72	296.67	-0.96	0.01	-0.81	5.28e-03	0.33	-2.02e-04
54	72	340.00	-0.32	0.01	-0.77	3.80e-03	0.0	-2.08e-04
54	75	0.0	-2.96	0.03	0.96	-0.03	0.0	-5.28e-05
54	75	40.00	-2.96	0.03	0.96	-0.02	0.39	-6.57e-05
54	75	80.00	-2.77	0.01	0.86	-0.03	0.73	-4.69e-06
54	75	120.00	-2.96	0.06	0.38	-0.02	0.88	-1.72e-05
54	75	165.00	-2.76	0.06	0.24	4.90e-03	0.99	-1.16e-05
54	75	210.00	-2.54	0.06	0.09	0.03	1.03	-6.66e-06
54	75	253.33	-0.94	0.02	-0.81	1.17e-03	0.68	-1.40e-04
54	75	253.33	-0.94	0.02	-0.81	1.17e-03	0.68	-1.40e-04
54	75	296.67	-0.94	0.02	-0.81	8.52e-03	0.33	-2.30e-04
54	75	296.67	-0.94	0.02	-0.81	8.52e-03	0.33	-2.30e-04
54	75	340.00	-0.31	0.02	-0.77	5.81e-03	0.0	-2.31e-04
54	80	0.0	-2.94	0.02	-0.29	-0.03	0.0	-9.77e-05
54	80	40.00	-2.94	0.02	-0.29	-0.02	-0.11	-1.51e-04
54	80	80.00	-2.75	0.01	-0.25	-0.02	-0.22	-1.34e-04
54	80	120.00	-2.94	0.05	-0.11	-0.02	-0.26	-7.69e-05
54	80	165.00	-2.74	0.05	-0.07	4.55e-03	-0.29	-7.20e-05
54	80	210.00	-2.52	0.05	-0.03	0.03	-0.31	-8.24e-05
54	80	253.33	-0.94	0.02	0.24	9.24e-04	-0.20	-7.42e-05
54	80	253.33	-0.94	0.02	0.24	9.24e-04	-0.20	-7.42e-05
54	80	296.67	-0.94	0.02	0.24	7.71e-03	-0.10	-4.87e-05
54	80	296.67	-0.94	0.02	0.24	7.71e-03	-0.10	-4.87e-05
54	80	340.00	-0.31	0.02	0.23	5.34e-03	0.0	-2.14e-05
54	98	0.0	-2.95	0.02	2.05e-03	-0.02	0.0	-8.08e-05
54	98	40.00	-2.95	0.02	2.05e-03	-0.02	8.20e-04	-1.21e-04
54	98	80.00	-2.76	9.47e-03	2.37e-03	-0.02	1.77e-03	-9.64e-05
54	98	120.00	-2.95	0.04	7.03e-05	-0.02	1.80e-03	-5.93e-05
54	98	165.00	-2.75	0.04	7.09e-05	3.94e-03	1.83e-03	-5.52e-05
54	98	210.00	-2.53	0.04	7.25e-05	0.02	1.86e-03	-6.24e-05
54	98	253.33	-0.94	0.01	-1.59e-03	3.15e-04	9.08e-04	-8.65e-05
54	98	253.33	-0.94	0.01	-1.59e-03	3.15e-04	9.08e-04	-8.65e-05
54	98	296.67	-0.94	0.01	-1.59e-03	5.69e-03	2.18e-04	-8.78e-05
54	98	296.67	-0.94	0.01	-1.59e-03	5.69e-03	2.18e-04	-8.78e-05
54	98	340.00	-0.31	0.02	-5.03e-04	4.07e-03	0.0	-6.79e-05
54	102	0.0	-2.97	0.01	0.19	-0.02	0.0	-5.25e-05
54	102	40.00	-2.97	0.01	0.19	-0.01	0.08	-7.62e-05
54	102	80.00	-2.77	6.28e-03	0.17	-0.02	0.15	-5.11e-05
54	102	120.00	-2.97	0.03	0.08	-0.01	0.18	-3.45e-05
54	102	165.00	-2.77	0.03	0.05	3.29e-03	0.20	-3.13e-05
54	102	210.00	-2.55	0.03	0.02	0.02	0.21	-3.42e-05
54	102	253.33	-0.96	8.79e-03	-0.16	-3.40e-04	0.14	-7.34e-05
54	102	253.33	-0.96	8.79e-03	-0.16	-3.40e-04	0.14	-7.34e-05
54	102	296.67	-0.96	8.79e-03	-0.16	3.47e-03	0.07	-9.19e-05
54	102	296.67	-0.96	8.79e-03	-0.16	3.47e-03	0.07	-9.19e-05
54	102	340.00	-0.32	0.01	-0.15	2.70e-03	0.0	-8.12e-05
54	103	0.0	-2.96	0.02	0.19	-0.02	0.0	-7.12e-05
54	103	40.00	-2.96	0.02	0.19	-0.02	0.08	-1.04e-04
54	103	80.00	-2.76	9.62e-03	0.17	-0.02	0.15	-7.33e-05
54	103	120.00	-2.96	0.04	0.08	-0.02	0.18	-4.80e-05
54	103	165.00	-2.75	0.04	0.05	3.98e-03	0.20	-4.38e-05
54	103	210.00	-2.54	0.04	0.02	0.02	0.21	-4.83e-05
54	103	253.33	-0.95	0.01	-0.16	3.41e-04	0.14	-9.30e-05
54	103	253.33	-0.95	0.01	-0.16	3.41e-04	0.14	-9.30e-05
54	103	296.67	-0.95	0.01	-0.16	5.76e-03	0.07	-1.12e-04
54	103	296.67	-0.95	0.01	-0.16	5.76e-03	0.07	-1.12e-04
54	103	340.00	-0.31	0.02	-0.15	4.11e-03	0.0	-9.71e-05
54	106	0.0	-2.96	0.01	1.56e-03	-0.02	0.0	-5.90e-05
54	106	40.00	-2.96	0.01	1.56e-03	-0.01	6.26e-04	-8.87e-05
54	106	80.00	-2.77	5.56e-03	1.81e-03	-0.01	1.35e-03	-7.05e-05
54	106	120.00	-2.97	0.03	4.79e-05	-9.38e-03	1.37e-03	-4.36e-05
54	106	165.00	-2.76	0.03	4.86e-05	3.13e-03	1.39e-03	-4.06e-05
54	106	210.00	-2.55	0.03	5.01e-05	0.02	1.41e-03	-4.60e-05
54	106	253.33	-0.95	8.07e-03	-1.21e-03	-4.79e-04	6.85e-04	-6.37e-05
54	106	253.33	-0.95	8.07e-03	-1.21e-03	-4.79e-04	6.85e-04	-6.37e-05
54	106	296.67	-0.95	8.07e-03	-1.21e-03	3.01e-03	1.59e-04	-6.44e-05

54	106	296.67	-0.95	8.07e-03	-1.21e-03	3.01e-03	1.59e-04	-6.44e-05
54	106	340.00	-0.32	9.95e-03	-3.66e-04	2.42e-03	0.0	-4.94e-05
54	107	0.0	-2.96	0.02	1.98e-03	-0.02	0.0	-7.77e-05
54	107	40.00	-2.96	0.02	1.98e-03	-0.01	7.92e-04	-1.17e-04
54	107	80.00	-2.76	8.91e-03	2.29e-03	-0.02	1.71e-03	-9.27e-05
54	107	120.00	-2.96	0.04	6.71e-05	-0.01	1.74e-03	-5.71e-05
54	107	165.00	-2.75	0.04	6.77e-05	3.82e-03	1.77e-03	-5.31e-05
54	107	210.00	-2.54	0.04	6.93e-05	0.02	1.80e-03	-6.01e-05
54	107	253.33	-0.95	0.01	-1.54e-03	2.01e-04	8.76e-04	-8.32e-05
54	107	253.33	-0.95	0.01	-1.54e-03	2.01e-04	8.76e-04	-8.32e-05
54	107	296.67	-0.95	0.01	-1.54e-03	5.30e-03	2.10e-04	-8.44e-05
54	107	296.67	-0.95	0.01	-1.54e-03	5.30e-03	2.10e-04	-8.44e-05
54	107	340.00	-0.31	0.01	-4.83e-04	3.84e-03	0.0	-6.53e-05
54	108	0.0	-4.25	8.05	0.03	-4.25	5.60e-03	-0.01
54	108	40.00	-4.25	8.05	0.03	-4.24	6.39e-03	-0.01
54	108	80.00	-3.95	5.19	0.05	-4.61	0.02	-0.01
54	108	120.00	-3.01	14.89	0.03	-9.10	0.04	-8.66e-03
54	108	165.00	-2.81	14.89	0.03	-2.83	0.05	-8.00e-03
54	108	210.00	-2.55	14.88	0.01	3.80	0.06	-9.08e-03
54	108	253.33	-0.63	4.89	-0.05	1.31	0.03	-0.01
54	108	253.33	-0.63	4.89	-0.05	1.31	0.03	-0.01
54	108	296.67	-0.63	4.89	-0.05	1.32	0.03	-0.01
54	108	296.67	-0.63	4.89	-0.05	1.32	0.03	-0.01
54	108	340.00	-0.22	5.27	-0.05	0.30	0.01	-0.01
54	113	0.0	-4.18	8.05	-0.06	-4.24	-0.01	-0.01
54	113	40.00	-4.18	8.05	-0.06	-4.24	-0.01	-0.01
54	113	80.00	-3.86	5.19	-0.05	-4.61	-0.03	-0.01
54	113	120.00	-2.94	14.88	-0.03	-9.10	-0.05	-8.65e-03
54	113	165.00	-2.71	14.88	-0.03	-2.82	-0.05	-7.99e-03
54	113	210.00	-2.48	14.87	-5.01e-03	3.79	-0.06	-9.08e-03
54	113	253.33	-0.60	4.89	0.05	1.31	-0.03	-0.01
54	113	253.33	-0.60	4.89	0.05	1.31	-0.03	-0.01
54	113	296.67	-0.60	4.89	0.05	1.32	-0.03	-0.01
54	113	296.67	-0.60	4.89	0.05	1.32	-0.03	-0.01
54	113	340.00	-0.20	5.27	0.04	0.30	-9.12e-03	-0.01
54	117	0.0	-3.60	4.09	-0.05	-2.16	-0.01	-0.02
54	117	40.00	-3.60	4.09	-0.05	-2.16	-9.98e-03	-0.02
54	117	80.00	-3.31	2.63	-0.05	-2.35	-0.03	-0.02
54	117	120.00	-2.96	7.57	-0.04	-4.62	-0.04	-0.01
54	117	165.00	-2.76	7.57	-0.03	-1.43	-0.05	-0.01
54	117	210.00	-2.51	7.56	-7.22e-03	1.94	-0.06	-0.01
54	117	253.33	-0.78	2.50	0.05	0.67	-0.03	-0.02
54	117	253.33	-0.78	2.50	0.05	0.67	-0.03	-0.02
54	117	296.67	-0.78	2.50	0.05	0.67	-0.03	-0.02
54	117	296.67	-0.78	2.50	0.05	0.67	-0.03	-0.02
54	117	340.00	-0.26	2.70	0.04	0.15	-9.43e-03	-0.02
54	140	0.0	-4.41	9.06	0.03	-4.77	6.27e-03	-0.01
54	140	40.00	-4.41	9.06	0.03	-4.77	7.06e-03	-0.01
54	140	80.00	-4.10	5.84	0.05	-5.19	0.02	-0.01
54	140	120.00	-3.01	16.75	0.03	-10.24	0.04	-9.74e-03
54	140	165.00	-2.82	16.75	0.03	-3.18	0.06	-9.00e-03
54	140	210.00	-2.56	16.74	0.02	4.27	0.07	-0.01
54	140	253.33	-0.59	5.50	-0.05	1.48	0.03	-0.01
54	140	253.33	-0.59	5.50	-0.05	1.48	0.03	-0.01
54	140	296.67	-0.59	5.50	-0.05	1.48	0.03	-0.01
54	140	296.67	-0.59	5.50	-0.05	1.48	0.03	-0.01
54	140	340.00	-0.20	5.93	-0.06	0.34	0.01	-0.01
54	145	0.0	-4.33	9.05	-0.07	-4.77	-0.01	-0.01
54	145	40.00	-4.33	9.05	-0.07	-4.76	-0.01	-0.01
54	145	80.00	-4.00	5.83	-0.06	-5.18	-0.04	-0.01
54	145	120.00	-2.94	16.74	-0.04	-10.23	-0.05	-9.73e-03
54	145	165.00	-2.70	16.74	-0.03	-3.18	-0.06	-8.99e-03
54	145	210.00	-2.47	16.73	-5.74e-03	4.27	-0.07	-0.01
54	145	253.33	-0.55	5.50	0.06	1.48	-0.03	-0.01
54	145	253.33	-0.55	5.50	0.06	1.48	-0.03	-0.01
54	145	296.67	-0.55	5.50	0.06	1.48	-0.03	-0.01
54	145	296.67	-0.55	5.50	0.06	1.48	-0.03	-0.01
54	145	340.00	-0.19	5.93	0.05	0.34	-0.01	-0.01
54	149	0.0	-3.67	4.57	-0.06	-2.42	-0.01	-0.02
54	149	40.00	-3.67	4.57	-0.06	-2.41	-0.01	-0.02
54	149	80.00	-3.37	2.94	-0.06	-2.62	-0.03	-0.02
54	149	120.00	-2.96	8.46	-0.04	-5.17	-0.05	-0.01
54	149	165.00	-2.76	8.46	-0.03	-1.60	-0.06	-0.01
54	149	210.00	-2.50	8.45	-8.18e-03	2.16	-0.07	-0.01
54	149	253.33	-0.76	2.79	0.06	0.74	-0.03	-0.02

54	149	253.33	-0.76	2.79	0.06	0.74	-0.03	-0.02
54	149	296.67	-0.76	2.79	0.06	0.75	-0.03	-0.02
54	149	296.67	-0.76	2.79	0.06	0.75	-0.03	-0.02
54	149	340.00	-0.25	3.02	0.05	0.17	-0.01	-0.02
54	172	0.0	-4.33	8.69	0.03	-4.58	6.15e-03	-0.01
54	172	40.00	-4.33	8.69	0.03	-4.58	6.94e-03	-0.01
54	172	80.00	-4.05	5.60	0.05	-4.98	0.02	-0.01
54	172	120.00	-3.00	16.08	0.03	-9.83	0.04	-9.64e-03
54	172	165.00	-2.81	16.08	0.03	-3.05	0.06	-8.91e-03
54	172	210.00	-2.56	16.07	0.02	4.10	0.06	-0.01
54	172	253.33	-0.60	5.29	-0.05	1.42	0.03	-0.01
54	172	253.33	-0.60	5.29	-0.05	1.42	0.03	-0.01
54	172	296.67	-0.60	5.29	-0.05	1.42	0.03	-0.01
54	172	296.67	-0.60	5.29	-0.05	1.42	0.03	-0.01
54	172	340.00	-0.20	5.70	-0.06	0.32	0.01	-0.01
54	177	0.0	-4.25	8.69	-0.06	-4.58	-0.01	-0.01
54	177	40.00	-4.25	8.69	-0.06	-4.57	-0.01	-0.01
54	177	80.00	-3.96	5.60	-0.06	-4.98	-0.03	-0.01
54	177	120.00	-2.93	16.07	-0.04	-9.82	-0.05	-9.63e-03
54	177	165.00	-2.69	16.07	-0.03	-3.05	-0.06	-8.91e-03
54	177	210.00	-2.47	16.06	-6.42e-03	4.10	-0.07	-0.01
54	177	253.33	-0.56	5.29	0.06	1.42	-0.03	-0.01
54	177	253.33	-0.56	5.29	0.06	1.42	-0.03	-0.01
54	177	296.67	-0.56	5.29	0.06	1.42	-0.03	-0.01
54	177	296.67	-0.56	5.29	0.06	1.42	-0.03	-0.01
54	177	340.00	-0.19	5.70	0.05	0.32	-9.99e-03	-0.01
54	184	0.0	-3.68	4.19	0.04	-2.22	7.33e-03	-0.02
54	184	40.00	-3.68	4.19	0.04	-2.21	8.13e-03	-0.02
54	184	80.00	-3.40	2.70	0.05	-2.41	0.03	-0.02
54	184	120.00	-3.03	7.77	0.03	-4.75	0.04	-0.01
54	184	165.00	-2.87	7.77	0.02	-1.47	0.06	-0.01
54	184	210.00	-2.59	7.77	0.01	1.99	0.07	-0.01
54	184	253.33	-0.81	2.58	-0.05	0.68	0.03	-0.02
54	184	253.33	-0.81	2.58	-0.05	0.68	0.03	-0.02
54	184	296.67	-0.81	2.58	-0.05	0.69	0.03	-0.02
54	184	296.67	-0.81	2.58	-0.05	0.69	0.03	-0.02
54	184	340.00	-0.27	2.79	-0.05	0.16	0.01	-0.02
54	204	0.0	-4.54	10.01	0.04	-5.27	7.24e-03	-0.02
54	204	40.00	-4.54	10.01	0.04	-5.27	8.04e-03	-0.02
54	204	80.00	-4.25	6.45	0.06	-5.73	0.03	-0.02
54	204	120.00	-3.01	18.51	0.04	-11.32	0.05	-0.01
54	204	165.00	-2.81	18.51	0.03	-3.51	0.06	-0.01
54	204	210.00	-2.56	18.50	0.02	4.72	0.07	-0.01
54	204	253.33	-0.55	6.09	-0.06	1.63	0.04	-0.02
54	204	253.33	-0.55	6.09	-0.06	1.63	0.04	-0.02
54	204	296.67	-0.55	6.09	-0.06	1.64	0.04	-0.02
54	204	296.67	-0.55	6.09	-0.06	1.64	0.04	-0.02
54	204	340.00	-0.19	6.56	-0.07	0.37	0.01	-0.02
54	209	0.0	-4.45	10.00	-0.07	-5.27	-0.01	-0.02
54	209	40.00	-4.45	10.00	-0.07	-5.26	-0.01	-0.02
54	209	80.00	-4.14	6.45	-0.07	-5.73	-0.04	-0.02
54	209	120.00	-2.92	18.50	-0.04	-11.31	-0.06	-0.01
54	209	165.00	-2.68	18.50	-0.03	-3.51	-0.07	-0.01
54	209	210.00	-2.46	18.49	-7.56e-03	4.71	-0.08	-0.01
54	209	253.33	-0.50	6.09	0.06	1.63	-0.04	-0.02
54	209	253.33	-0.50	6.09	0.06	1.63	-0.04	-0.02
54	209	296.67	-0.50	6.09	0.06	1.64	-0.04	-0.02
54	209	296.67	-0.50	6.09	0.06	1.64	-0.04	-0.02
54	209	340.00	-0.17	6.56	0.05	0.37	-0.01	-0.02
54	216	0.0	-3.79	4.83	0.05	-2.56	8.56e-03	-0.02
54	216	40.00	-3.79	4.83	0.05	-2.55	9.35e-03	-0.02
54	216	80.00	-3.50	3.11	0.06	-2.78	0.03	-0.02
54	216	120.00	-3.03	8.97	0.03	-5.48	0.05	-0.02
54	216	165.00	-2.88	8.96	0.03	-1.70	0.07	-0.01
54	216	210.00	-2.59	8.96	0.02	2.29	0.08	-0.02
54	216	253.33	-0.79	2.98	-0.06	0.79	0.04	-0.02
54	216	253.33	-0.79	2.98	-0.06	0.79	0.04	-0.02
54	216	296.67	-0.79	2.98	-0.06	0.79	0.04	-0.02
54	216	296.67	-0.79	2.98	-0.06	0.79	0.04	-0.02
54	216	340.00	-0.26	3.22	-0.06	0.18	0.01	-0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-4.54	5.56e-03	-1.22	-11.32	-0.46	-0.02
	-0.17	18.51	1.44	4.72	1.55	5.02e-05

Macro	Tipo	Angolo 1-Z (gradi)
55	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
55	19	0.0	-1.36	-0.04	0.28	0.08	0.0	0.08
55	19	40.00	-1.36	-0.04	0.28	0.06	0.11	0.13
55	19	80.00	-0.77	-3.94e-03	-0.28	0.08	0.0	0.08
55	28	0.0	-1.95	-0.42	-0.08	0.26	0.0	-0.03
55	28	40.00	-1.95	-0.42	-0.08	0.09	-0.03	-0.04
55	28	80.00	-1.12	-0.18	0.08	0.15	0.0	-0.03
55	72	0.0	-1.38	-0.08	0.19	0.09	0.0	0.06
55	72	40.00	-1.38	-0.08	0.19	0.05	0.08	0.08
55	72	80.00	-0.78	-0.03	-0.19	0.07	0.0	0.05
55	80	0.0	-1.48	-0.29	-0.06	0.18	0.0	-0.02
55	80	40.00	-1.48	-0.29	-0.06	0.06	-0.02	-0.03
55	80	80.00	-0.85	-0.13	0.06	0.10	0.0	-0.02
55	98	0.0	-1.44	-0.23	8.02e-04	0.14	0.0	-1.95e-03
55	98	40.00	-1.44	-0.23	8.02e-04	0.05	3.21e-04	-2.99e-03
55	98	80.00	-0.82	-0.10	-8.02e-04	0.08	0.0	-1.86e-03
55	102	0.0	-1.39	-0.14	0.04	0.10	0.0	9.89e-03
55	102	40.00	-1.39	-0.14	0.04	0.04	0.02	0.02
55	102	80.00	-0.79	-0.06	-0.04	0.07	0.0	9.15e-03
55	106	0.0	-1.39	-0.15	6.12e-04	0.10	0.0	-1.44e-03
55	106	40.00	-1.39	-0.15	6.12e-04	0.04	2.45e-04	-2.21e-03
55	106	80.00	-0.79	-0.07	-6.12e-04	0.06	0.0	-1.38e-03
55	107	0.0	-1.44	-0.22	7.74e-04	0.14	0.0	-1.88e-03
55	107	40.00	-1.44	-0.22	7.74e-04	0.05	3.10e-04	-2.88e-03
55	107	80.00	-0.82	-0.10	-7.74e-04	0.08	0.0	-1.79e-03
55	111	0.0	0.67	-27.17	-4.24e-03	-22.54	-2.59e-03	0.03
55	111	40.00	0.67	-27.17	-4.24e-03	-22.63	-2.28e-03	0.03
55	111	80.00	0.08	-23.78	2.92e-03	-22.68	-2.59e-03	0.03
55	113	0.0	-3.55	26.45	-0.02	22.80	-2.13e-03	-0.05
55	113	40.00	-3.55	26.45	-0.02	22.72	-1.82e-03	-0.05
55	113	80.00	-1.71	23.45	0.02	22.85	-2.13e-03	-0.05
55	114	0.0	0.68	-26.88	0.02	-22.53	2.13e-03	0.05
55	114	40.00	0.68	-26.88	0.02	-22.62	2.44e-03	0.05
55	114	80.00	0.07	-23.64	-0.02	-22.69	2.13e-03	0.05
55	117	0.0	-2.53	13.21	-0.02	11.64	-2.49e-03	-0.05
55	117	40.00	-2.53	13.21	-0.02	11.55	-2.18e-03	-0.05
55	117	80.00	-1.28	11.80	0.02	11.64	-2.49e-03	-0.05
55	143	0.0	0.93	-30.53	-4.69e-03	-25.38	-2.89e-03	0.04
55	143	40.00	0.93	-30.53	-4.69e-03	-25.47	-2.58e-03	0.04
55	143	80.00	0.19	-26.74	3.17e-03	-25.52	-2.89e-03	0.04
55	145	0.0	-3.81	29.78	-0.02	25.64	-2.36e-03	-0.06
55	145	40.00	-3.81	29.78	-0.02	25.55	-2.05e-03	-0.06
55	145	80.00	-1.82	26.39	0.02	25.69	-2.36e-03	-0.06
55	146	0.0	0.94	-30.21	0.03	-25.37	2.36e-03	0.05
55	146	40.00	0.94	-30.21	0.03	-25.45	2.67e-03	0.05
55	146	80.00	0.18	-26.58	-0.02	-25.53	2.36e-03	0.05
55	149	0.0	-2.66	14.78	-0.03	12.99	-2.77e-03	-0.06
55	149	40.00	-2.66	14.78	-0.03	12.91	-2.46e-03	-0.06
55	149	80.00	-1.33	13.20	0.02	13.00	-2.77e-03	-0.06
55	175	0.0	0.84	-29.29	-3.75e-03	-24.35	-2.74e-03	0.04
55	175	40.00	0.84	-29.29	-3.75e-03	-24.44	-2.44e-03	0.04
55	175	80.00	0.14	-25.65	2.11e-03	-24.50	-2.74e-03	0.04
55	177	0.0	-3.71	28.54	-0.02	24.62	-2.11e-03	-0.06
55	177	40.00	-3.71	28.54	-0.02	24.53	-1.80e-03	-0.06
55	177	80.00	-1.77	25.31	0.02	24.67	-2.11e-03	-0.05
55	178	0.0	0.84	-28.97	0.02	-24.34	2.11e-03	0.05
55	178	40.00	0.84	-28.97	0.02	-24.43	2.42e-03	0.05
55	178	80.00	0.14	-25.51	-0.02	-24.51	2.11e-03	0.05
55	181	0.0	-2.56	13.45	-0.02	11.93	-2.56e-03	-0.06
55	181	40.00	-2.56	13.45	-0.02	11.84	-2.25e-03	-0.06
55	181	80.00	-1.28	12.06	0.02	11.94	-2.56e-03	-0.06
55	207	0.0	1.18	-33.69	-4.66e-03	-28.07	-3.21e-03	0.05
55	207	40.00	1.18	-33.69	-4.66e-03	-28.16	-2.90e-03	0.05
55	207	80.00	0.29	-29.52	2.66e-03	-28.22	-3.21e-03	0.05
55	209	0.0	-4.06	32.88	-0.03	28.33	-2.45e-03	-0.07
55	209	40.00	-4.06	32.88	-0.03	28.24	-2.14e-03	-0.07
55	209	80.00	-1.92	29.16	0.02	28.40	-2.45e-03	-0.06
55	210	0.0	1.19	-33.31	0.03	-28.06	2.45e-03	0.06
55	210	40.00	1.19	-33.31	0.03	-28.14	2.76e-03	0.06

55	210	80.00	0.28	-29.35	-0.03	-28.24	2.45e-03	0.06
55	213	0.0	-2.73	15.52	-0.03	13.75	-2.99e-03	-0.07
55	213	40.00	-2.73	15.52	-0.03	13.66	-2.68e-03	-0.07
55	213	80.00	-1.35	13.92	0.03	13.77	-2.99e-03	-0.07
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-4.06	-33.69	-0.28	-28.24	-0.03	-0.07
			1.19	32.88	0.28	28.40	0.11	0.13

Macro	Tipo	Angolo 1-Z (gradi)
56	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
56	4	910.00	-1.00	9.93	0.58	-9.40	0.0	0.11
56	4	960.00	-1.00	9.93	0.58	-4.44	0.29	0.19
56	4	1010.00	-2.17	11.53	0.03	-4.21	0.30	0.21
56	4	1060.00	-1.43	8.62	-0.54	-0.22	0.01	0.13
56	7	910.00	-0.43	7.75	0.57	-6.72	0.0	0.11
56	7	960.00	-0.43	7.75	0.57	-2.84	0.28	0.19
56	7	1010.00	-1.14	9.07	0.03	-2.28	0.30	0.21
56	7	1060.00	-1.10	6.80	-0.54	-0.14	0.01	0.13
56	35	910.00	-1.53	9.32	-1.10	-9.96	0.0	-0.22
56	35	960.00	-1.53	9.32	-1.10	-5.30	-0.55	-0.38
56	35	1010.00	-2.88	10.62	-0.07	-5.52	-0.58	-0.42
56	35	1060.00	-1.41	7.84	1.04	-0.24	-0.02	-0.27
56	42	910.00	-1.46	8.16	-1.85	-8.32	0.0	-0.37
56	42	960.00	-1.46	8.16	-1.85	-4.24	-0.92	-0.63
56	42	1010.00	-2.41	9.39	-0.12	-4.12	-0.98	-0.69
56	42	1060.00	-1.42	6.80	1.75	-0.14	-0.03	-0.45
56	67	910.00	-0.55	7.35	0.38	-6.43	0.0	0.07
56	67	960.00	-0.55	7.35	0.38	-2.75	0.19	0.13
56	67	1010.00	-1.22	8.63	0.02	-2.25	0.20	0.14
56	67	1060.00	-1.10	6.43	-0.36	-0.13	6.74e-03	0.09
56	68	910.00	-0.75	7.42	0.39	-6.91	0.0	0.07
56	68	960.00	-0.75	7.42	0.39	-3.20	0.19	0.13
56	68	1010.00	-1.58	8.66	0.02	-2.95	0.20	0.14
56	68	1060.00	-1.10	6.45	-0.36	-0.15	6.76e-03	0.09
56	83	910.00	-1.11	7.02	-0.73	-7.28	0.0	-0.15
56	83	960.00	-1.11	7.02	-0.73	-3.77	-0.36	-0.25
56	83	1010.00	-2.05	8.04	-0.05	-3.83	-0.39	-0.28
56	83	1060.00	-1.09	5.93	0.70	-0.16	-0.01	-0.18
56	86	910.00	-1.06	6.24	-1.23	-6.19	0.0	-0.25
56	86	960.00	-1.06	6.24	-1.23	-3.07	-0.62	-0.42
56	86	1010.00	-1.74	7.23	-0.08	-2.89	-0.65	-0.46
56	86	1060.00	-1.09	5.24	1.17	-0.10	-0.02	-0.30
56	98	910.00	-0.65	7.01	9.63e-03	-6.22	0.0	3.96e-04
56	98	960.00	-0.65	7.01	9.63e-03	-2.71	4.82e-03	1.67e-04
56	98	1010.00	-1.27	8.22	-3.45e-03	-2.23	3.09e-03	-2.25e-04
56	98	1060.00	-1.10	6.09	-6.54e-03	-0.11	1.99e-04	-7.76e-04
56	101	910.00	-0.74	6.96	0.01	-6.32	0.0	2.77e-04
56	101	960.00	-0.74	6.96	0.01	-2.84	5.87e-03	-1.66e-04
56	101	1010.00	-1.42	8.15	-3.16e-03	-2.46	4.29e-03	-6.99e-04
56	101	1060.00	-1.10	6.02	-6.49e-03	-0.12	2.03e-04	-1.13e-03
56	103	910.00	-0.65	6.95	0.13	-6.09	0.0	0.03
56	103	960.00	-0.65	6.95	0.13	-2.62	0.07	0.04
56	103	1010.00	-1.26	8.18	4.25e-03	-2.14	0.07	0.05
56	103	1060.00	-1.10	6.05	-0.12	-0.10	2.37e-03	0.03
56	104	910.00	-0.78	6.36	-0.24	-5.58	0.0	-0.05
56	104	960.00	-0.78	6.36	-0.24	-2.40	-0.12	-0.08
56	104	1010.00	-1.29	7.52	-0.02	-1.94	-0.13	-0.09
56	104	1060.00	-1.10	5.49	0.23	-0.07	-4.18e-03	-0.06
56	106	910.00	-0.75	6.40	0.01	-5.54	0.0	4.24e-05
56	106	960.00	-0.75	6.40	0.01	-2.34	5.65e-03	-5.36e-04
56	106	1010.00	-1.27	7.60	-2.10e-03	-1.87	4.60e-03	-1.07e-03
56	106	1060.00	-1.11	5.56	-5.10e-03	-0.07	1.65e-04	-1.28e-03
56	107	910.00	-0.66	6.93	9.87e-03	-6.12	0.0	3.45e-04
56	107	960.00	-0.66	6.93	9.87e-03	-2.66	4.94e-03	6.64e-05
56	107	1010.00	-1.27	8.13	-3.25e-03	-2.18	3.31e-03	-3.46e-04
56	107	1060.00	-1.10	6.01	-6.33e-03	-0.10	1.94e-04	-8.49e-04
56	109	910.00	2.26	24.53	-0.17	-34.05	-0.04	-0.02
56	109	960.00	2.26	24.53	-0.17	-30.59	-0.04	-0.02

56	109	1010.00	1.08	26.49	-0.01	-21.88	-0.08	-0.04
56	109	1060.00	-1.05	20.09	0.14	-1.30	-0.03	-0.04
56	129	910.00	0.92	16.75	-0.52	-22.06	-0.14	-0.09
56	129	960.00	0.92	16.75	-0.52	-18.60	-0.13	-0.10
56	129	1010.00	0.03	18.36	-9.47e-03	-13.46	-0.27	-0.13
56	129	1060.00	-1.03	13.75	0.46	-0.72	-0.08	-0.09
56	132	910.00	5.39	17.00	0.49	-14.59	0.12	0.07
56	132	960.00	5.39	17.00	0.49	-11.13	0.13	0.08
56	132	1010.00	3.09	18.66	-5.05e-03	-8.44	0.25	0.11
56	132	1060.00	-0.92	14.08	-0.43	-0.60	0.07	0.07
56	135	910.00	-6.71	-3.14	-0.47	2.35	-0.12	-0.07
56	135	960.00	-6.71	-3.14	-0.47	5.81	-0.12	-0.08
56	135	1010.00	-5.63	-2.39	-1.46e-03	4.08	-0.24	-0.11
56	135	1060.00	-1.29	-2.05	0.41	0.39	-0.07	-0.07
56	141	910.00	2.62	26.76	-0.19	-37.60	-0.05	-0.02
56	141	960.00	2.62	26.76	-0.19	-34.14	-0.04	-0.03
56	141	1010.00	1.37	28.82	-0.01	-24.39	-0.09	-0.04
56	141	1060.00	-1.04	21.88	0.16	-1.45	-0.03	-0.05
56	161	910.00	1.12	18.03	-0.58	-24.15	-0.15	-0.10
56	161	960.00	1.12	18.03	-0.58	-20.69	-0.15	-0.11
56	161	1010.00	0.19	19.69	-0.01	-14.94	-0.30	-0.15
56	161	1060.00	-1.02	14.76	0.52	-0.80	-0.09	-0.10
56	164	910.00	6.17	18.29	0.55	-15.69	0.14	0.08
56	164	960.00	6.17	18.29	0.55	-12.22	0.14	0.09
56	164	1010.00	3.65	20.02	-5.28e-03	-9.25	0.28	0.12
56	164	1060.00	-0.90	15.12	-0.48	-0.66	0.08	0.08
56	167	910.00	-7.49	-4.44	-0.53	3.44	-0.14	-0.08
56	167	960.00	-7.49	-4.44	-0.53	6.91	-0.13	-0.09
56	167	1010.00	-6.19	-3.75	-1.23e-03	4.89	-0.27	-0.12
56	167	1060.00	-1.31	-3.09	0.46	0.45	-0.08	-0.08
56	173	910.00	2.63	26.79	-0.18	-37.74	-0.05	-0.02
56	173	960.00	2.63	26.79	-0.18	-34.27	-0.04	-0.03
56	173	1010.00	1.38	28.84	-0.01	-24.48	-0.09	-0.04
56	173	1060.00	-1.04	21.89	0.15	-1.46	-0.03	-0.05
56	193	910.00	1.14	18.26	-0.58	-24.67	-0.15	-0.10
56	193	960.00	1.14	18.26	-0.58	-21.20	-0.15	-0.11
56	193	1010.00	0.21	19.92	-0.01	-15.30	-0.30	-0.15
56	193	1060.00	-1.02	14.93	0.51	-0.82	-0.09	-0.10
56	196	910.00	6.24	18.45	0.54	-15.86	0.13	0.08
56	196	960.00	6.24	18.45	0.54	-12.40	0.14	0.09
56	196	1010.00	3.70	20.18	-5.25e-03	-9.38	0.27	0.12
56	196	1060.00	-0.89	15.25	-0.47	-0.67	0.08	0.08
56	199	910.00	-7.57	-4.60	-0.52	3.62	-0.13	-0.08
56	199	960.00	-7.57	-4.60	-0.52	7.08	-0.13	-0.09
56	199	1010.00	-6.25	-3.91	-1.26e-03	5.02	-0.27	-0.12
56	199	1060.00	-1.31	-3.22	0.45	0.46	-0.08	-0.08
56	208	910.00	5.02	30.35	0.18	-40.25	0.04	0.03
56	208	960.00	5.02	30.35	0.18	-36.78	0.05	0.04
56	208	1010.00	3.09	32.54	-0.01	-26.35	0.10	0.04
56	208	1060.00	-0.98	24.75	-0.16	-1.64	0.02	8.84e-03
56	225	910.00	1.48	20.50	-0.67	-28.39	-0.17	-0.11
56	225	960.00	1.48	20.50	-0.67	-24.93	-0.17	-0.12
56	225	1010.00	0.50	22.23	-0.01	-17.94	-0.35	-0.17
56	225	1060.00	-1.00	16.68	0.59	-0.97	-0.11	-0.12
56	228	910.00	7.52	20.62	0.63	-17.71	0.16	0.09
56	228	960.00	7.52	20.62	0.63	-14.25	0.16	0.10
56	228	1010.00	4.62	22.45	-5.61e-03	-10.75	0.32	0.14
56	228	1060.00	-0.85	16.99	-0.54	-0.77	0.09	0.09
56	231	910.00	-8.85	-6.77	-0.61	5.47	-0.16	-0.09
56	231	960.00	-8.85	-6.77	-0.61	8.93	-0.15	-0.10
56	231	1010.00	-7.17	-6.19	-9.02e-04	6.39	-0.31	-0.14
56	231	1060.00	-1.36	-4.97	0.53	0.56	-0.09	-0.09

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-8.85	-6.77	-1.85	-40.25	-0.98	-0.69
	7.52	32.54	1.75	8.93	0.32	0.21

Macro	Tipo	Angolo 1-Z (gradi)
57	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2348 DI 2790				

57	15	210.00	-0.55	0.23	0.74	-0.04	0.0	-0.06
57	15	253.33	-0.55	0.23	0.74	0.06	0.32	-0.10
57	15	296.67	-0.35	0.46	0.06	0.12	0.35	-0.10
57	15	340.00	-0.28	0.05	-0.35	0.05	4.02e-03	-0.05
57	19	210.00	-0.42	0.15	0.74	-0.03	0.0	-0.06
57	19	253.33	-0.42	0.15	0.74	0.04	0.32	-0.10
57	19	296.67	-0.27	0.29	0.06	0.08	0.35	-0.10
57	19	340.00	-0.22	-0.02	-0.35	0.04	4.01e-03	-0.05
57	28	210.00	-0.54	0.51	-0.22	-0.08	0.0	0.02
57	28	253.33	-0.54	0.51	-0.22	0.14	-0.09	0.03
57	28	296.67	-0.35	1.08	-0.02	0.29	-0.10	0.03
57	28	340.00	-0.28	0.59	0.10	0.05	-1.11e-03	0.02
57	45	210.00	-0.42	0.25	-0.37	-0.04	0.0	0.03
57	45	253.33	-0.42	0.25	-0.37	0.06	-0.16	0.05
57	45	296.67	-0.27	0.51	-0.03	0.13	-0.17	0.05
57	45	340.00	-0.21	0.16	0.17	0.04	-1.94e-03	0.03
57	72	210.00	-0.42	0.17	0.49	-0.03	0.0	-0.04
57	72	253.33	-0.42	0.17	0.49	0.04	0.21	-0.07
57	72	296.67	-0.27	0.34	0.04	0.09	0.23	-0.07
57	72	340.00	-0.22	0.03	-0.23	0.04	2.69e-03	-0.04
57	80	210.00	-0.42	0.36	-0.14	-0.06	0.0	0.01
57	80	253.33	-0.42	0.36	-0.14	0.10	-0.06	0.02
57	80	296.67	-0.27	0.75	-0.01	0.20	-0.07	0.02
57	80	340.00	-0.22	0.39	0.07	0.04	-7.37e-04	0.01
57	85	210.00	-0.42	0.24	-0.24	-0.04	0.0	0.02
57	85	253.33	-0.42	0.24	-0.24	0.06	-0.11	0.04
57	85	296.67	-0.27	0.49	-0.02	0.13	-0.11	0.04
57	85	340.00	-0.21	0.15	0.11	0.04	-1.28e-03	0.02
57	98	210.00	-0.42	0.28	2.54e-03	-0.04	0.0	4.52e-04
57	98	253.33	-0.42	0.28	2.54e-03	0.08	1.10e-03	8.39e-04
57	98	296.67	-0.27	0.59	-6.27e-04	0.16	8.27e-04	9.37e-04
57	98	340.00	-0.22	0.25	-2.54e-03	0.04	5.15e-05	4.16e-04
57	102	210.00	-0.42	0.18	0.10	-0.03	0.0	-7.52e-03
57	102	253.33	-0.42	0.18	0.10	0.05	0.04	-0.01
57	102	296.67	-0.27	0.38	7.98e-03	0.11	0.05	-0.01
57	102	340.00	-0.22	0.07	-0.05	0.04	5.71e-04	-6.99e-03
57	104	210.00	-0.42	0.20	-0.05	-0.03	0.0	4.41e-03
57	104	253.33	-0.42	0.20	-0.05	0.06	-0.02	7.63e-03
57	104	296.67	-0.27	0.41	-4.67e-03	0.11	-0.02	7.85e-03
57	104	340.00	-0.21	0.09	0.02	0.04	-2.22e-04	4.07e-03
57	106	210.00	-0.42	0.19	2.02e-03	-0.03	0.0	3.82e-04
57	106	253.33	-0.42	0.19	2.02e-03	0.06	8.76e-04	7.02e-04
57	106	296.67	-0.27	0.40	-4.44e-04	0.11	6.84e-04	7.76e-04
57	106	340.00	-0.21	0.08	-2.04e-03	0.04	4.25e-05	3.52e-04
57	107	210.00	-0.42	0.26	2.46e-03	-0.04	0.0	4.42e-04
57	107	253.33	-0.42	0.26	2.46e-03	0.08	1.07e-03	8.19e-04
57	107	296.67	-0.27	0.56	-6.01e-04	0.15	8.07e-04	9.14e-04
57	107	340.00	-0.22	0.22	-2.47e-03	0.04	5.02e-05	4.07e-04
57	108	210.00	-3.29	27.05	5.76e-03	-8.41	4.24e-03	-0.03
57	108	253.33	-3.29	27.05	5.76e-03	-8.30	5.31e-03	-0.03
57	108	296.67	-1.49	31.42	2.67e-03	-5.00	0.01	-0.04
57	108	340.00	0.17	20.30	-0.05	-0.05	3.12e-03	-0.02
57	111	210.00	2.45	-26.52	-8.34e-04	8.34	-4.24e-03	0.04
57	111	253.33	2.45	-26.52	-8.34e-04	8.45	-3.18e-03	0.04
57	111	296.67	0.95	-30.30	-3.87e-03	5.31	-9.63e-03	0.04
57	111	340.00	-0.60	-19.85	0.05	0.12	-3.01e-03	0.02
57	113	210.00	-3.25	27.16	-0.07	-8.42	-0.01	-0.03
57	113	253.33	-3.25	27.16	-0.07	-8.30	-0.01	-0.02
57	113	296.67	-1.42	31.70	2.39e-03	-5.04	-0.03	-0.02
57	113	340.00	0.17	20.52	-4.35e-03	-0.05	-3.49e-03	-0.01
57	123	210.00	1.05	-13.32	0.01	4.21	-2.08e-03	0.04
57	123	253.33	1.05	-13.32	0.01	4.32	-1.01e-03	0.04
57	123	296.67	0.37	-15.09	-1.42e-03	2.76	-4.12e-03	0.04
57	123	340.00	-0.41	-9.96	0.04	0.08	-2.05e-03	0.03
57	140	210.00	-3.65	30.40	5.92e-03	-9.46	4.73e-03	-0.04
57	140	253.33	-3.65	30.40	5.92e-03	-9.34	5.80e-03	-0.04
57	140	296.67	-1.64	35.28	3.09e-03	-5.64	0.01	-0.04
57	140	340.00	0.22	22.81	-0.06	-0.06	3.48e-03	-0.03
57	143	210.00	2.81	-29.87	-9.94e-04	9.38	-4.73e-03	0.04
57	143	253.33	2.81	-29.87	-9.94e-04	9.50	-3.66e-03	0.04
57	143	296.67	1.11	-34.16	-4.29e-03	5.95	-0.01	0.04
57	143	340.00	-0.65	-22.37	0.05	0.14	-3.38e-03	0.03
57	145	210.00	-3.60	30.52	-0.08	-9.46	-0.01	-0.03
57	145	253.33	-3.60	30.52	-0.08	-9.35	-0.01	-0.03
57	145	296.67	-1.56	35.59	2.77e-03	-5.69	-0.03	-0.03

57	145	340.00	0.21	23.06	-4.61e-03	-0.06	-3.93e-03	-0.02
57	155	210.00	1.23	-14.93	0.01	4.71	-2.28e-03	0.04
57	155	253.33	1.23	-14.93	0.01	4.83	-1.22e-03	0.04
57	155	296.67	0.45	-16.94	-1.46e-03	3.07	-4.64e-03	0.05
57	155	340.00	-0.43	-11.16	0.05	0.09	-2.28e-03	0.03
57	172	210.00	-3.52	29.20	4.11e-03	-9.08	4.40e-03	-0.04
57	172	253.33	-3.52	29.20	4.11e-03	-8.96	5.47e-03	-0.04
57	172	296.67	-1.58	33.92	2.87e-03	-5.41	0.01	-0.04
57	172	340.00	0.20	21.93	-0.06	-0.06	3.26e-03	-0.03
57	175	210.00	2.68	-28.67	8.11e-04	9.00	-4.40e-03	0.04
57	175	253.33	2.68	-28.67	8.11e-04	9.12	-3.33e-03	0.04
57	175	296.67	1.05	-32.79	-4.07e-03	5.72	-0.01	0.04
57	175	340.00	-0.63	-21.48	0.05	0.13	-3.16e-03	0.03
57	177	210.00	-3.47	29.33	-0.08	-9.09	-0.01	-0.03
57	177	253.33	-3.47	29.33	-0.08	-8.97	-0.01	-0.03
57	177	296.67	-1.50	34.23	2.52e-03	-5.46	-0.03	-0.03
57	177	340.00	0.20	22.18	-4.25e-03	-0.06	-3.94e-03	-0.02
57	187	210.00	1.08	-13.70	0.02	4.32	-1.86e-03	0.04
57	187	253.33	1.08	-13.70	0.02	4.43	-7.94e-04	0.05
57	187	296.67	0.38	-15.55	-8.44e-04	2.83	-3.77e-03	0.05
57	187	340.00	-0.42	-10.26	0.04	0.08	-1.97e-03	0.03
57	204	210.00	-3.98	33.59	3.81e-03	-10.45	5.08e-03	-0.04
57	204	253.33	-3.98	33.59	3.81e-03	-10.34	6.15e-03	-0.05
57	204	296.67	-1.78	38.99	3.29e-03	-6.26	0.01	-0.05
57	204	340.00	0.26	25.23	-0.06	-0.07	3.73e-03	-0.03
57	207	210.00	3.15	-33.07	1.12e-03	10.38	-5.08e-03	0.05
57	207	253.33	3.15	-33.07	1.12e-03	10.49	-4.02e-03	0.05
57	207	296.67	1.25	-37.87	-4.49e-03	6.56	-0.01	0.05
57	207	340.00	-0.69	-24.78	0.06	0.15	-3.63e-03	0.03
57	209	210.00	-3.93	33.75	-0.10	-10.46	-0.02	-0.03
57	209	253.33	-3.93	33.75	-0.10	-10.34	-0.01	-0.03
57	209	296.67	-1.68	39.36	2.97e-03	-6.32	-0.03	-0.03
57	209	340.00	0.26	25.53	-4.36e-03	-0.08	-4.63e-03	-0.02
57	219	210.00	1.31	-15.86	0.02	4.99	-1.90e-03	0.05
57	219	253.33	1.31	-15.86	0.02	5.10	-8.36e-04	0.05
57	219	296.67	0.48	-18.06	-5.46e-04	3.24	-3.98e-03	0.06
57	219	340.00	-0.45	-11.91	0.05	0.09	-2.15e-03	0.03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.98	-37.87	-0.37	-10.46	-0.17	-0.10
	3.15	39.36	0.74	10.49	0.35	0.06

Macro	Tipo	Angolo 1-Z (gradi)
58	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
58	19	0.0	-24.00	-0.71	2.09	-9.09	0.0	-0.16
58	19	40.00	-24.00	-0.71	2.09	-9.37	0.84	-0.25
58	19	80.00	-22.98	-0.94	1.65	-9.22	1.50	-0.18
58	19	120.00	-22.60	-1.35	0.88	-9.38	1.85	-0.10
58	19	165.00	-22.14	-1.37	0.42	-10.11	2.04	-0.02
58	19	210.00	-21.88	-1.38	-0.08	-11.04	2.00	0.06
58	19	253.33	-21.45	-2.10	-1.19	-12.77	1.49	0.16
58	19	296.67	-21.46	-2.85	-1.58	-15.08	0.80	0.20
58	19	340.00	-17.97	-3.51	-1.85	-14.86	0.0	0.17
58	28	0.0	-110.48	-4.56	-0.57	-55.53	0.0	0.06
58	28	40.00	-110.48	-4.56	-0.57	-57.35	-0.23	0.09
58	28	80.00	-101.72	-6.02	-0.48	-52.07	-0.42	0.06
58	28	120.00	-95.17	-8.06	-0.26	-48.98	-0.53	0.03
58	28	165.00	-88.72	-8.13	-0.12	-47.74	-0.58	7.86e-03
58	28	210.00	-82.95	-8.21	0.03	-47.17	-0.57	-0.02
58	28	253.33	-77.54	-10.72	0.37	-48.97	-0.41	-0.05
58	28	296.67	-73.58	-13.36	0.47	-53.09	-0.20	-0.07
58	28	340.00	-58.31	-15.43	0.47	-49.05	0.0	-0.06
58	72	0.0	-32.01	-1.09	1.40	-13.59	0.0	-0.11
58	72	40.00	-32.01	-1.09	1.40	-14.03	0.56	-0.16
58	72	80.00	-30.12	-1.44	1.10	-13.26	1.00	-0.12
58	72	120.00	-28.99	-2.00	0.59	-12.98	1.24	-0.06
58	72	165.00	-27.79	-2.02	0.28	-13.36	1.36	-0.01
58	72	210.00	-26.83	-2.04	-0.05	-13.98	1.34	0.04
58	72	253.33	-25.75	-2.89	-0.79	-15.52	1.00	0.11

58	72	296.67	-25.18	-3.76	-1.06	-17.76	0.54	0.13
58	72	340.00	-20.62	-4.51	-1.24	-17.11	0.0	0.11
58	80	0.0	-77.97	-3.19	-0.38	-38.92	0.0	0.04
58	80	40.00	-77.97	-3.19	-0.38	-40.19	-0.15	0.06
58	80	80.00	-71.80	-4.21	-0.32	-36.50	-0.28	0.04
58	80	120.00	-67.19	-5.65	-0.17	-34.33	-0.35	0.02
58	80	165.00	-62.63	-5.70	-0.08	-33.48	-0.39	5.34e-03
58	80	210.00	-58.56	-5.75	0.02	-33.10	-0.38	-0.01
58	80	253.33	-54.70	-7.52	0.25	-34.41	-0.27	-0.03
58	80	296.67	-51.87	-9.38	0.31	-37.34	-0.13	-0.04
58	80	340.00	-41.09	-10.83	0.31	-34.53	0.0	-0.04
58	98	0.0	-61.03	-2.43	0.03	-29.56	0.0	3.60e-03
58	98	40.00	-61.03	-2.43	0.03	-30.53	0.01	5.40e-03
58	98	80.00	-56.43	-3.20	5.90e-03	-27.91	0.01	3.26e-03
58	98	120.00	-53.11	-4.32	2.48e-03	-26.45	0.01	2.21e-03
58	98	165.00	-49.79	-4.36	2.74e-03	-26.06	0.01	1.12e-03
58	98	210.00	-46.87	-4.40	4.46e-03	-26.06	0.02	-3.93e-05
58	98	253.33	-44.04	-5.83	7.72e-03	-27.46	0.02	-1.48e-03
58	98	296.67	-42.05	-7.32	-4.00e-03	-30.14	0.02	-2.84e-03
58	98	340.00	-33.57	-8.52	-0.04	-28.13	0.0	-4.11e-03
58	102	0.0	-41.26	-1.54	0.30	-18.89	0.0	-0.02
58	102	40.00	-41.26	-1.54	0.30	-19.50	0.12	-0.03
58	102	80.00	-38.21	-2.03	0.22	-17.91	0.21	-0.02
58	102	120.00	-36.08	-2.75	0.12	-17.00	0.26	-0.01
58	102	165.00	-33.88	-2.77	0.06	-16.86	0.28	-1.69e-03
58	102	210.00	-31.93	-2.80	-7.64e-03	-16.98	0.28	8.59e-03
58	102	253.33	-29.93	-3.77	-0.15	-18.13	0.21	0.02
58	102	296.67	-28.51	-4.76	-0.22	-20.10	0.12	0.02
58	102	340.00	-22.74	-5.56	-0.27	-18.91	0.0	0.02
58	106	0.0	-43.57	-1.65	0.02	-20.21	0.0	2.83e-03
58	106	40.00	-43.57	-1.65	0.02	-20.87	7.75e-03	4.26e-03
58	106	80.00	-40.24	-2.17	5.10e-03	-19.07	9.79e-03	2.64e-03
58	106	120.00	-37.85	-2.94	2.40e-03	-18.00	0.01	1.80e-03
58	106	165.00	-35.40	-2.96	2.38e-03	-17.73	0.01	9.29e-04
58	106	210.00	-33.20	-2.99	3.28e-03	-17.73	0.01	-1.10e-05
58	106	253.33	-30.97	-3.99	4.93e-03	-18.78	0.02	-1.15e-03
58	106	296.67	-29.34	-5.01	-4.58e-03	-20.68	0.01	-2.20e-03
58	106	340.00	-23.27	-5.83	-0.03	-19.36	0.0	-3.02e-03
58	107	0.0	-58.53	-2.32	0.02	-28.22	0.0	3.49e-03
58	107	40.00	-58.53	-2.32	0.02	-29.15	9.87e-03	5.24e-03
58	107	80.00	-54.12	-3.06	5.78e-03	-26.65	0.01	3.17e-03
58	107	120.00	-50.93	-4.13	2.47e-03	-25.24	0.01	2.15e-03
58	107	165.00	-47.74	-4.16	2.69e-03	-24.87	0.01	1.09e-03
58	107	210.00	-44.91	-4.20	4.29e-03	-24.87	0.02	-3.52e-05
58	107	253.33	-42.17	-5.57	7.32e-03	-26.22	0.02	-1.43e-03
58	107	296.67	-40.24	-6.99	-4.08e-03	-28.79	0.02	-2.75e-03
58	107	340.00	-32.10	-8.13	-0.04	-26.88	0.0	-3.95e-03
58	109	0.0	-137.85	14.44	0.05	-100.78	-0.01	7.29e-03
58	109	40.00	-137.85	14.44	0.05	-101.71	-2.00e-03	7.39e-03
58	109	80.00	-124.78	16.06	-0.07	-92.18	0.03	-3.46e-03
58	109	120.00	-109.45	27.21	-0.11	-87.16	3.43e-03	-0.02
58	109	165.00	-101.60	27.10	-0.12	-72.51	-0.01	-0.03
58	109	210.00	-96.11	27.26	-0.05	-57.83	-0.18	-0.05
58	109	253.33	-85.53	11.39	0.11	-51.71	-0.08	-0.07
58	109	296.67	-74.18	6.75	0.16	-49.79	-0.06	-0.08
58	109	340.00	-28.76	5.81	0.06	-24.26	-0.04	-0.06
58	111	0.0	-34.87	-26.67	-0.09	19.34	-8.52e-03	0.03
58	111	40.00	-34.87	-26.67	-0.09	18.41	1.35e-03	0.03
58	111	80.00	-35.19	-31.62	-0.05	16.67	-0.07	0.03
58	111	120.00	-43.68	-50.29	0.02	18.58	-0.09	0.03
58	111	165.00	-36.03	-50.30	0.04	3.64	-0.10	0.04
58	111	210.00	-28.31	-50.71	0.04	-11.54	0.04	0.04
58	111	253.33	-28.10	-33.62	8.21e-03	-18.94	-0.03	0.04
58	111	296.67	-29.19	-31.45	-0.03	-23.52	1.02e-03	0.04
58	111	340.00	-51.50	-33.17	3.64e-04	-41.57	5.31e-03	0.02
58	129	0.0	-167.44	-10.45	-0.11	-86.13	-0.03	0.05
58	129	40.00	-167.44	-10.45	-0.11	-87.05	-0.02	0.05
58	129	80.00	-154.68	-13.54	-0.22	-78.27	-0.09	0.04
58	129	120.00	-147.76	-20.30	-0.17	-69.37	-0.16	0.02
58	129	165.00	-128.83	-20.40	-0.17	-67.19	-0.21	4.05e-03
58	129	210.00	-113.05	-20.61	-0.03	-64.47	-0.28	-0.03
58	129	253.33	-99.67	-18.81	0.20	-61.65	-0.23	-0.06
58	129	296.67	-85.11	-20.22	0.22	-59.07	-0.14	-0.07
58	129	340.00	-64.73	-21.85	0.24	-50.61	-0.06	-0.07
58	130	0.0	50.38	5.81	0.16	29.69	0.03	-0.04

58	130	40.00	50.38	5.81	0.16	28.76	0.04	-0.04
58	130	80.00	46.44	7.42	0.23	24.97	0.11	-0.03
58	130	120.00	45.91	12.05	0.17	18.89	0.19	-0.01
58	130	165.00	33.35	12.08	0.17	17.45	0.24	-1.86e-03
58	130	210.00	23.22	12.21	0.04	14.74	0.32	0.03
58	130	253.33	15.32	7.68	-0.18	9.22	0.27	0.05
58	130	296.67	4.64	6.24	-0.23	1.49	0.18	0.06
58	130	340.00	0.53	5.59	-0.32	-3.15	0.06	0.07
58	141	0.0	-147.95	16.54	0.05	-109.98	-0.01	7.73e-03
58	141	40.00	-147.95	16.54	0.05	-110.91	-3.32e-03	7.60e-03
58	141	80.00	-133.78	18.45	-0.08	-100.48	0.03	-4.35e-03
58	141	120.00	-116.90	31.13	-0.12	-95.01	2.51e-03	-0.02
58	141	165.00	-108.45	31.01	-0.14	-78.54	-0.01	-0.03
58	141	210.00	-102.60	31.20	-0.06	-62.00	-0.20	-0.06
58	141	253.33	-91.01	13.51	0.13	-54.92	-0.09	-0.08
58	141	296.67	-78.44	8.47	0.18	-52.42	-0.07	-0.09
58	141	340.00	-28.34	7.56	0.07	-23.93	-0.04	-0.07
58	143	0.0	-31.80	-29.71	-0.11	25.35	-9.47e-03	0.03
58	143	40.00	-31.80	-29.71	-0.11	24.42	4.00e-04	0.03
58	143	80.00	-32.73	-35.19	-0.06	22.15	-0.08	0.04
58	143	120.00	-42.69	-56.05	0.02	24.11	-0.10	0.04
58	143	165.00	-34.49	-56.06	0.04	7.25	-0.12	0.05
58	143	210.00	-26.18	-56.51	0.05	-9.84	0.05	0.04
58	143	253.33	-26.30	-37.12	8.04e-03	-18.01	-0.03	0.05
58	143	296.67	-27.80	-34.51	-0.04	-22.86	-8.61e-04	0.05
58	143	340.00	-53.94	-36.30	5.20e-03	-43.41	6.05e-03	0.02
58	161	0.0	-181.36	-11.48	-0.13	-93.55	-0.03	0.05
58	161	40.00	-181.36	-11.48	-0.13	-94.47	-0.02	0.05
58	161	80.00	-167.52	-14.87	-0.24	-84.88	-0.10	0.04
58	161	120.00	-160.10	-22.36	-0.19	-75.02	-0.18	0.02
58	161	165.00	-139.16	-22.47	-0.19	-72.59	-0.24	4.37e-03
58	161	210.00	-121.71	-22.70	-0.04	-69.50	-0.32	-0.04
58	161	253.33	-106.95	-20.49	0.22	-66.13	-0.26	-0.06
58	161	296.67	-90.76	-21.90	0.25	-62.88	-0.16	-0.08
58	161	340.00	-68.82	-23.59	0.28	-53.59	-0.06	-0.08
58	162	0.0	64.29	6.85	0.17	37.10	0.03	-0.04
58	162	40.00	64.29	6.85	0.17	36.18	0.04	-0.04
58	162	80.00	59.29	8.76	0.26	31.58	0.12	-0.03
58	162	120.00	58.24	14.11	0.20	24.53	0.21	-0.02
58	162	165.00	43.69	14.15	0.19	22.84	0.27	-2.18e-03
58	162	210.00	31.89	14.30	0.05	19.77	0.35	0.04
58	162	253.33	22.60	9.36	-0.20	13.70	0.36	0.06
58	162	296.67	10.29	7.92	-0.26	5.30	0.20	0.07
58	162	340.00	4.63	7.32	-0.36	-0.17	0.06	0.08
58	175	0.0	-30.15	-28.48	-0.10	24.94	-9.08e-03	0.03
58	175	40.00	-30.15	-28.48	-0.10	24.01	7.88e-04	0.03
58	175	80.00	-31.13	-33.70	-0.05	21.71	-0.07	0.04
58	175	120.00	-40.99	-53.68	0.02	23.38	-0.09	0.04
58	175	165.00	-33.33	-53.69	0.04	6.95	-0.11	0.04
58	175	210.00	-25.75	-54.14	0.05	-9.82	0.05	0.04
58	175	253.33	-26.35	-35.64	7.51e-03	-18.08	-0.03	0.05
58	175	296.67	-28.30	-33.28	-0.04	-23.15	2.03e-04	0.05
58	175	340.00	-53.57	-35.07	5.13e-03	-43.12	5.93e-03	0.02
58	181	0.0	-155.19	8.84	0.06	-104.62	0.02	3.71e-03
58	181	40.00	-155.19	8.84	0.06	-105.54	0.03	3.48e-03
58	181	80.00	-141.43	9.55	-0.07	-95.12	0.03	-8.86e-03
58	181	120.00	-126.56	16.65	-0.09	-88.38	5.74e-03	-0.02
58	181	165.00	-115.28	16.70	-0.13	-75.60	-0.02	-0.04
58	181	210.00	-105.64	17.04	-0.06	-62.56	-0.18	-0.06
58	181	253.33	-92.25	6.28	0.10	-56.00	-0.08	-0.08
58	181	296.67	-78.34	3.18	0.07	-52.90	-0.06	-0.09
58	181	340.00	-62.86	2.35	0.19	-47.13	-0.03	-0.09
58	193	0.0	-182.06	-11.56	-0.11	-94.04	-0.03	0.05
58	193	40.00	-182.06	-11.56	-0.11	-94.97	-0.02	0.05
58	193	80.00	-168.13	-14.98	-0.23	-85.29	-0.09	0.04
58	193	120.00	-160.38	-22.52	-0.18	-75.37	-0.17	0.02
58	193	165.00	-139.48	-22.62	-0.18	-72.79	-0.22	3.80e-03
58	193	210.00	-121.85	-22.82	-0.04	-69.54	-0.31	-0.04
58	193	253.33	-106.83	-20.56	0.21	-66.00	-0.25	-0.06
58	193	296.67	-90.45	-21.91	0.24	-62.61	-0.16	-0.08
58	193	340.00	-68.49	-23.58	0.26	-53.33	-0.06	-0.08
58	194	0.0	65.00	6.92	0.16	37.60	0.03	-0.04
58	194	40.00	65.00	6.92	0.16	36.67	0.04	-0.04
58	194	80.00	59.90	8.87	0.24	31.99	0.11	-0.03
58	194	120.00	58.52	14.27	0.19	24.89	0.19	-0.01

58	194	165.00	44.01	14.29	0.19	23.05	0.25	-1.61e-03
58	194	210.00	32.02	14.42	0.05	19.81	0.34	0.04
58	194	253.33	22.48	9.43	-0.19	13.57	0.29	0.06
58	194	296.67	9.97	7.93	-0.24	5.03	0.19	0.07
58	194	340.00	4.30	7.32	-0.35	-0.43	0.06	0.07
58	207	0.0	-24.15	-32.36	-0.12	34.07	-0.01	0.03
58	207	40.00	-24.15	-32.36	-0.12	33.15	-1.01e-03	0.04
58	207	80.00	-26.12	-38.21	-0.06	29.98	-0.09	0.04
58	207	120.00	-38.20	-61.00	0.02	31.54	-0.11	0.04
58	207	165.00	-30.07	-61.01	0.05	12.40	-0.13	0.05
58	207	210.00	-22.07	-61.53	0.06	-7.13	0.06	0.05
58	207	253.33	-23.52	-40.05	7.94e-03	-16.65	-0.04	0.06
58	207	296.67	-26.40	-37.17	-0.04	-22.28	-3.01e-03	0.06
58	207	340.00	-57.13	-39.07	0.01	-45.80	6.65e-03	0.03
58	213	0.0	-175.21	10.38	0.07	-119.62	0.02	3.05e-03
58	213	40.00	-175.21	10.38	0.07	-120.55	0.03	2.40e-03
58	213	80.00	-159.55	11.24	-0.08	-108.50	0.04	-0.01
58	213	120.00	-142.30	19.48	-0.11	-100.54	5.62e-03	-0.03
58	213	165.00	-129.17	19.57	-0.16	-85.46	-0.02	-0.04
58	213	210.00	-117.78	20.01	-0.07	-69.94	-0.21	-0.07
58	213	253.33	-101.99	7.95	0.12	-61.73	-0.10	-0.09
58	213	296.67	-85.43	4.72	0.09	-57.36	-0.07	-0.11
58	213	340.00	-68.52	3.96	0.23	-50.85	-0.04	-0.10
58	225	0.0	-204.15	-13.07	-0.13	-106.07	-0.03	0.06
58	225	40.00	-204.15	-13.07	-0.13	-106.99	-0.02	0.06
58	225	80.00	-188.47	-16.95	-0.27	-95.98	-0.11	0.04
58	225	120.00	-179.69	-25.55	-0.22	-84.54	-0.20	0.02
58	225	165.00	-155.73	-25.65	-0.21	-81.40	-0.26	3.87e-03
58	225	210.00	-135.43	-25.87	-0.05	-77.42	-0.36	-0.05
58	225	253.33	-118.13	-23.04	0.24	-72.90	-0.30	-0.07
58	225	296.67	-99.07	-24.36	0.28	-68.39	-0.18	-0.09
58	225	340.00	-74.72	-26.11	0.32	-57.84	-0.07	-0.10
58	226	0.0	87.09	8.44	0.18	49.62	0.03	-0.05
58	226	40.00	87.09	8.44	0.18	48.70	0.04	-0.05
58	226	80.00	80.24	10.84	0.28	42.69	0.13	-0.04
58	226	120.00	77.83	17.29	0.22	34.06	0.22	-0.02
58	226	165.00	60.26	17.33	0.22	31.66	0.29	-1.68e-03
58	226	210.00	45.61	17.47	0.06	27.69	0.39	0.05
58	226	253.33	33.78	11.91	-0.23	20.47	0.33	0.07
58	226	296.67	18.59	10.39	-0.28	10.81	0.22	0.09
58	226	340.00	10.53	9.85	-0.40	4.08	0.07	0.09

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-204.15	-61.53	-1.85	-120.55	-0.58	-0.25
	87.09	31.20	2.09	49.62	2.04	0.20

Macro	Tipo	Angolo 1-Z (gradi)
59	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
59	18	0.0	-2.05	-1.14	0.33	0.03	0.0	-0.02
59	18	40.00	-2.05	-1.14	0.33	-0.42	0.13	-0.02
59	18	80.00	-1.16	-0.79	-0.33	-0.36	0.0	-0.01
59	19	0.0	-1.38	-0.31	0.33	3.16e-04	0.0	-0.01
59	19	40.00	-1.38	-0.31	0.33	-0.12	0.13	-0.02
59	19	80.00	-0.77	-0.22	-0.33	-0.11	0.0	-0.01
59	28	0.0	-2.26	-1.83	-0.10	0.08	0.0	3.07e-03
59	28	40.00	-2.26	-1.83	-0.10	-0.65	-0.04	4.74e-03
59	28	80.00	-1.29	-1.21	0.10	-0.52	0.0	3.05e-03
59	72	0.0	-1.43	-0.46	0.22	9.21e-03	0.0	-9.99e-03
59	72	40.00	-1.43	-0.46	0.22	-0.17	0.09	-0.02
59	72	80.00	-0.79	-0.32	-0.22	-0.15	0.0	-9.64e-03
59	75	0.0	-1.56	-0.82	0.22	0.02	0.0	-0.01
59	75	40.00	-1.56	-0.82	0.22	-0.31	0.09	-0.02
59	75	80.00	-0.88	-0.57	-0.22	-0.26	0.0	-9.88e-03
59	80	0.0	-1.70	-1.28	-0.07	0.06	0.0	2.00e-03
59	80	40.00	-1.70	-1.28	-0.07	-0.45	-0.03	3.08e-03
59	80	80.00	-0.96	-0.85	0.07	-0.37	0.0	1.99e-03
59	98	0.0	-1.60	-0.99	-5.22e-04	0.04	0.0	-7.60e-04
59	98	40.00	-1.60	-0.99	-5.22e-04	-0.36	-2.09e-04	-1.15e-03
59	98	80.00	-0.90	-0.66	5.22e-04	-0.30	0.0	-7.01e-04

59	102	0.0	-1.47	-0.63	0.04	0.02	0.0	-2.43e-03
59	102	40.00	-1.47	-0.63	0.04	-0.23	0.02	-3.72e-03
59	102	80.00	-0.82	-0.42	-0.04	-0.19	0.0	-2.32e-03
59	103	0.0	-1.57	-0.90	0.04	0.03	0.0	-2.62e-03
59	103	40.00	-1.57	-0.90	0.04	-0.33	0.02	-4.01e-03
59	103	80.00	-0.88	-0.61	-0.04	-0.27	0.0	-2.50e-03
59	106	0.0	-1.49	-0.67	-3.99e-04	0.02	0.0	-5.39e-04
59	106	40.00	-1.49	-0.67	-3.99e-04	-0.24	-1.59e-04	-8.19e-04
59	106	80.00	-0.83	-0.45	3.99e-04	-0.20	0.0	-4.94e-04
59	107	0.0	-1.58	-0.94	-5.05e-04	0.03	0.0	-7.28e-04
59	107	40.00	-1.58	-0.94	-5.05e-04	-0.34	-2.02e-04	-1.11e-03
59	107	80.00	-0.89	-0.63	5.05e-04	-0.28	0.0	-6.71e-04
59	108	0.0	0.25	25.89	-4.75e-04	20.45	-1.70e-03	-0.04
59	108	40.00	0.25	25.89	-4.75e-04	20.07	-1.91e-03	-0.04
59	108	80.00	-0.26	22.98	2.27e-03	20.09	-1.70e-03	-0.04
59	111	0.0	-3.42	-27.77	-5.34e-04	-20.38	1.70e-03	0.04
59	111	40.00	-3.42	-27.77	-5.34e-04	-20.75	1.50e-03	0.04
59	111	80.00	-1.53	-24.25	-1.26e-03	-20.66	1.70e-03	0.04
59	120	0.0	-0.58	12.73	-3.44e-03	10.40	-2.01e-03	-0.05
59	120	40.00	-0.58	12.73	-3.44e-03	10.02	-2.21e-03	-0.05
59	120	80.00	-0.55	11.39	5.73e-03	10.06	-2.01e-03	-0.04
59	140	0.0	0.48	29.24	-6.62e-04	23.00	-1.94e-03	-0.05
59	140	40.00	0.48	29.24	-6.62e-04	22.62	-2.14e-03	-0.05
59	140	80.00	-0.18	25.94	2.73e-03	22.64	-1.94e-03	-0.04
59	143	0.0	-3.65	-31.12	-3.47e-04	-22.93	1.94e-03	0.04
59	143	40.00	-3.65	-31.12	-3.47e-04	-23.31	1.73e-03	0.04
59	143	80.00	-1.61	-27.20	-1.72e-03	-23.20	1.94e-03	0.04
59	152	0.0	-0.46	14.33	-3.94e-03	11.62	-2.27e-03	-0.05
59	152	40.00	-0.46	14.33	-3.94e-03	11.24	-2.47e-03	-0.05
59	152	80.00	-0.51	12.80	6.60e-03	11.28	-2.27e-03	-0.05
59	172	0.0	0.40	27.97	-1.58e-03	22.08	-1.91e-03	-0.05
59	172	40.00	0.40	27.97	-1.58e-03	21.70	-2.11e-03	-0.05
59	172	80.00	-0.21	24.83	4.21e-03	21.71	-1.91e-03	-0.04
59	175	0.0	-3.56	-29.85	5.66e-04	-22.01	1.91e-03	0.04
59	175	40.00	-3.56	-29.85	5.66e-04	-22.38	1.71e-03	0.04
59	175	80.00	-1.58	-26.10	-3.20e-03	-22.28	1.91e-03	0.04
59	184	0.0	-0.56	12.95	-4.76e-03	10.66	-2.29e-03	-0.05
59	184	40.00	-0.56	12.95	-4.76e-03	10.29	-2.49e-03	-0.05
59	184	80.00	-0.55	11.61	7.80e-03	10.32	-2.29e-03	-0.05
59	204	0.0	0.69	32.32	-1.68e-03	25.42	-2.18e-03	-0.05
59	204	40.00	0.69	32.32	-1.68e-03	25.04	-2.38e-03	-0.05
59	204	80.00	-0.10	28.67	4.99e-03	25.05	-2.18e-03	-0.05
59	207	0.0	-3.86	-34.21	6.68e-04	-25.35	2.18e-03	0.05
59	207	40.00	-3.86	-34.21	6.68e-04	-25.73	1.97e-03	0.05
59	207	80.00	-1.68	-29.93	-3.98e-03	-25.61	2.18e-03	0.05
59	216	0.0	-0.41	15.02	-5.96e-03	12.30	-2.75e-03	-0.06
59	216	40.00	-0.41	15.02	-5.96e-03	11.93	-2.95e-03	-0.06
59	216	80.00	-0.50	13.45	9.68e-03	11.95	-2.75e-03	-0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.86	-34.21	-0.33	-25.73	-0.04	-0.06
	0.69	32.32	0.33	25.42	0.13	0.05

Macro	Tipo	Angolo 1-Z (gradi)
60	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
60	3	910.00	-1.00	-0.22	0.51	-3.65	0.0	-0.08
60	3	960.00	-1.00	-0.22	0.51	-3.75	0.26	-0.14
60	3	1010.00	-1.00	-2.22	3.93e-03	-3.33	0.26	-0.15
60	3	1060.00	-1.41	-2.81	-0.45	-0.36	0.01	-0.13
60	12	910.00	-0.73	-1.47	0.53	-1.23	0.0	-0.08
60	12	960.00	-0.73	-1.47	0.53	-1.96	0.26	-0.13
60	12	1010.00	-0.68	-2.96	1.98e-03	-1.93	0.27	-0.14
60	12	1060.00	-0.89	-3.33	-0.46	-0.18	0.01	-0.13
60	15	910.00	-0.96	-2.46	0.89	-0.97	0.0	-0.13
60	15	960.00	-0.96	-2.46	0.89	-2.21	0.44	-0.22
60	15	1010.00	-0.94	-4.43	3.17e-03	-2.28	0.44	-0.24
60	15	1060.00	-1.23	-4.88	-0.77	-0.17	0.02	-0.21
60	46	910.00	-0.78	-1.53	-1.82	-1.28	0.0	0.26
60	46	960.00	-0.78	-1.53	-1.82	-2.04	-0.91	0.43

60	46	1010.00	-0.73	-3.08	-1.73e-03	-2.02	-0.91	0.47
60	46	1060.00	-0.91	-3.48	1.57	-0.18	-0.04	0.40
60	67	910.00	-0.77	-0.48	0.34	-2.43	0.0	-0.05
60	67	960.00	-0.77	-0.48	0.34	-2.67	0.17	-0.09
60	67	1010.00	-0.76	-2.02	2.76e-03	-2.42	0.17	-0.10
60	67	1060.00	-1.06	-2.45	-0.30	-0.25	7.58e-03	-0.09
60	69	910.00	-0.74	-1.50	0.35	-1.20	0.0	-0.05
60	69	960.00	-0.74	-1.50	0.35	-1.95	0.17	-0.09
60	69	1010.00	-0.69	-3.00	1.81e-03	-1.93	0.18	-0.10
60	69	1060.00	-0.91	-3.37	-0.30	-0.17	7.82e-03	-0.08
60	72	910.00	-0.74	-1.98	0.59	-0.65	0.0	-0.09
60	72	960.00	-0.74	-1.98	0.59	-1.64	0.29	-0.15
60	72	1010.00	-0.72	-3.49	2.26e-03	-1.71	0.30	-0.16
60	72	1060.00	-0.94	-3.84	-0.51	-0.13	0.01	-0.14
60	86	910.00	-0.77	-1.54	-1.22	-1.24	0.0	0.17
60	86	960.00	-0.77	-1.54	-1.22	-2.01	-0.61	0.29
60	86	1010.00	-0.73	-3.08	-6.70e-04	-1.99	-0.61	0.31
60	86	1060.00	-0.92	-3.47	1.05	-0.17	-0.03	0.27
60	98	910.00	-0.77	-0.83	-0.02	-2.03	0.0	-2.00e-03
60	98	960.00	-0.77	-0.83	-0.02	-2.44	-9.06e-03	-4.33e-03
60	98	1010.00	-0.76	-2.36	1.95e-03	-2.26	-8.08e-03	-5.65e-03
60	98	1060.00	-1.02	-2.78	0.01	-0.22	-5.84e-04	-5.35e-03
60	99	910.00	-0.75	-1.75	-0.01	-0.93	0.0	-1.49e-03
60	99	960.00	-0.75	-1.75	-0.01	-1.81	-6.49e-03	-3.20e-03
60	99	1010.00	-0.72	-3.27	1.33e-03	-1.83	-5.83e-03	-4.15e-03
60	99	1060.00	-0.93	-3.63	9.03e-03	-0.15	-4.19e-04	-3.92e-03
60	102	910.00	-0.75	-1.87	0.11	-0.80	0.0	-0.02
60	102	960.00	-0.75	-1.87	0.11	-1.73	0.05	-0.03
60	102	1010.00	-0.72	-3.38	1.53e-03	-1.78	0.05	-0.04
60	102	1060.00	-0.94	-3.74	-0.10	-0.14	2.33e-03	-0.03
60	104	910.00	-0.76	-1.82	-0.25	-0.87	0.0	0.03
60	104	960.00	-0.76	-1.82	-0.25	-1.78	-0.13	0.05
60	104	1010.00	-0.73	-3.34	9.52e-04	-1.81	-0.13	0.06
60	104	1060.00	-0.94	-3.71	0.22	-0.14	-5.90e-03	0.05
60	106	910.00	-0.75	-1.84	-0.01	-0.84	0.0	-1.56e-03
60	106	960.00	-0.75	-1.84	-0.01	-1.75	-6.50e-03	-3.30e-03
60	106	1010.00	-0.73	-3.36	1.35e-03	-1.80	-5.82e-03	-4.23e-03
60	106	1060.00	-0.94	-3.71	9.08e-03	-0.14	-4.19e-04	-3.98e-03
60	107	910.00	-0.77	-0.97	-0.02	-1.86	0.0	-1.93e-03
60	107	960.00	-0.77	-0.97	-0.02	-2.35	-8.69e-03	-4.19e-03
60	107	1010.00	-0.75	-2.50	1.87e-03	-2.20	-7.76e-03	-5.45e-03
60	107	1060.00	-1.01	-2.91	0.01	-0.21	-5.60e-04	-5.15e-03
60	110	910.00	-0.61	-15.65	0.42	23.21	0.11	-7.89e-03
60	110	960.00	-0.61	-15.65	0.42	22.72	0.10	-3.75e-03
60	110	1010.00	-0.09	-15.33	-7.36e-03	15.87	0.18	-0.01
60	110	1060.00	0.45	-13.96	-0.07	-0.24	0.01	-0.01
60	112	910.00	-0.90	13.63	-0.16	-27.07	-0.03	-0.02
60	112	960.00	-0.90	13.63	-0.16	-27.55	-0.04	-0.03
60	112	1010.00	-1.42	8.15	-9.48e-04	-20.37	-0.05	-0.03
60	112	1060.00	-2.69	6.12	-0.13	-0.06	0.02	-0.03
60	115	910.00	-0.63	-15.58	0.12	23.35	0.03	0.02
60	115	960.00	-0.63	-15.58	0.12	22.86	0.02	0.02
60	115	1010.00	-0.08	-13.16	4.68e-03	15.97	0.03	0.02
60	115	1060.00	0.67	-11.95	0.15	-0.36	-0.03	0.02
60	128	910.00	-0.73	-1.67	0.50	-0.99	0.13	-0.05
60	128	960.00	-0.73	-1.67	0.50	-1.48	0.12	-0.06
60	128	1010.00	-0.79	-3.37	-0.02	-1.57	0.25	-0.07
60	128	1060.00	-1.66	-3.76	-0.45	0.18	0.08	-0.08
60	142	910.00	-0.59	-17.51	0.48	26.40	0.12	-8.62e-03
60	142	960.00	-0.59	-17.51	0.48	25.91	0.11	-3.68e-03
60	142	1010.00	-0.01	-16.96	-8.54e-03	18.17	0.20	-0.01
60	142	1060.00	0.64	-15.36	-0.08	-0.25	0.01	-0.01
60	144	910.00	-0.92	15.49	-0.18	-30.27	-0.03	-0.02
60	144	960.00	-0.92	15.49	-0.18	-30.75	-0.04	-0.03
60	144	1010.00	-1.51	9.50	-1.28e-03	-22.67	-0.05	-0.04
60	144	1060.00	-2.90	7.27	-0.15	-0.04	0.03	-0.04
60	147	910.00	-0.61	-17.43	0.14	26.55	0.03	0.02
60	147	960.00	-0.61	-17.43	0.14	26.06	0.03	0.02
60	147	1010.00	4.76e-03	-14.51	5.02e-03	18.28	0.04	0.02
60	147	1060.00	0.88	-13.09	0.17	-0.38	-0.03	0.03
60	160	910.00	-0.73	-1.76	0.56	-0.88	0.15	-0.05
60	160	960.00	-0.73	-1.76	0.56	-1.37	0.14	-0.07
60	160	1010.00	-0.79	-3.49	-0.02	-1.49	0.29	-0.08
60	160	1060.00	-1.74	-3.87	-0.50	0.23	0.09	-0.09
60	174	910.00	-0.60	-17.59	0.47	26.53	0.12	-8.63e-03

60	174	960.00	-0.60	-17.59	0.47	26.05	0.11	-3.97e-03
60	174	1010.00	-0.01	-17.02	-9.02e-03	18.26	0.20	-0.01
60	174	1060.00	0.65	-15.41	-0.08	-0.25	0.01	-0.01
60	176	910.00	-0.92	15.53	-0.17	-30.38	-0.03	-0.02
60	176	960.00	-0.92	15.53	-0.17	-30.87	-0.04	-0.03
60	176	1010.00	-1.51	9.52	-7.01e-04	-22.75	-0.05	-0.03
60	176	1060.00	-2.91	7.28	-0.14	-0.04	0.03	-0.04
60	179	910.00	-0.61	-17.47	0.14	26.66	0.03	0.02
60	179	960.00	-0.61	-17.47	0.14	26.17	0.03	0.02
60	179	1010.00	4.48e-03	-14.53	4.43e-03	18.36	0.04	0.02
60	179	1060.00	0.89	-13.11	0.16	-0.39	-0.03	0.03
60	192	910.00	-0.73	-1.75	0.56	-0.93	0.15	-0.05
60	192	960.00	-0.73	-1.75	0.56	-1.42	0.14	-0.07
60	192	1010.00	-0.80	-3.48	-0.02	-1.53	0.28	-0.08
60	192	1060.00	-1.76	-3.86	-0.50	0.24	0.08	-0.09
60	214	910.00	-0.57	-20.66	0.53	32.01	0.13	-9.39e-03
60	214	960.00	-0.57	-20.66	0.53	31.52	0.12	8.60e-03
60	214	1010.00	0.11	-19.57	-0.01	22.21	0.23	-0.01
60	214	1060.00	0.95	-17.44	-0.10	-0.26	0.02	-0.01
60	216	910.00	-0.94	18.57	-0.18	-35.86	-0.04	-0.02
60	216	960.00	-0.94	18.57	-0.18	-36.35	-0.04	-0.05
60	216	1010.00	-1.64	11.60	-1.82e-03	-26.71	-0.06	-0.04
60	216	1060.00	-3.27	8.87	-0.16	3.55e-03	0.03	-0.04
60	219	910.00	-0.59	-20.51	0.15	32.14	0.04	0.02
60	219	960.00	-0.59	-20.51	0.15	31.66	0.03	0.04
60	219	1010.00	0.14	-16.61	5.55e-03	22.31	0.04	0.03
60	219	1060.00	1.25	-14.70	0.19	-0.43	-0.03	0.03
60	224	910.00	-0.72	-1.86	0.65	-0.86	0.17	-0.06
60	224	960.00	-0.72	-1.86	0.65	-1.34	0.16	-0.08
60	224	1010.00	-0.81	-3.63	-0.03	-1.47	0.33	-0.09
60	224	1060.00	-1.90	-4.01	-0.58	0.32	0.10	-0.10
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-3.27	-20.66	-1.82	-36.35	-0.91	-0.24
			1.25	18.57	1.57	32.14	0.44	0.47

Macro	Tipo	Angolo 1-Z (gradi)
61	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
61	3	910.00	1.23	9.05	0.54	-9.80	0.0	0.11
61	3	960.00	1.23	9.05	0.54	-5.27	0.27	0.19
61	3	1010.00	-0.18	12.82	0.02	-4.18	0.28	0.21
61	3	1060.00	-1.28	10.52	-0.53	-0.33	9.76e-03	0.14
61	33	910.00	-0.01	7.56	-1.10	-9.47	0.0	-0.22
61	33	960.00	-0.01	7.56	-1.10	-5.70	-0.55	-0.37
61	33	1010.00	-1.39	10.62	-0.07	-5.21	-0.58	-0.41
61	33	1060.00	-1.29	8.57	1.02	-0.27	-0.02	-0.27
61	45	910.00	0.15	5.32	-1.83	-6.11	0.0	-0.37
61	45	960.00	0.15	5.32	-1.83	-3.45	-0.91	-0.62
61	45	1010.00	-0.56	7.48	-0.11	-2.69	-0.97	-0.68
61	45	1060.00	-1.01	5.92	1.71	-0.13	-0.03	-0.46
61	52	910.00	1.02	9.31	-8.34e-03	-10.78	0.0	3.94e-03
61	52	960.00	1.02	9.31	-8.34e-03	-6.12	-4.17e-03	6.64e-03
61	52	1010.00	-0.58	13.12	-0.01	-5.22	-9.55e-03	6.76e-03
61	52	1060.00	-1.27	10.80	-9.73e-03	-0.38	2.56e-04	4.61e-03
61	67	910.00	0.84	6.67	0.36	-7.18	0.0	0.08
61	67	960.00	0.84	6.67	0.36	-3.85	0.18	0.13
61	67	1010.00	-0.17	9.46	0.01	-3.01	0.19	0.14
61	67	1060.00	-0.99	7.73	-0.35	-0.23	6.52e-03	0.09
61	72	910.00	0.32	5.31	0.61	-5.52	0.0	0.12
61	72	960.00	0.32	5.31	0.61	-2.86	0.30	0.21
61	72	1010.00	-0.41	7.61	0.03	-2.19	0.32	0.23
61	72	1060.00	-1.02	6.09	-0.58	-0.11	0.01	0.15
61	85	910.00	0.20	5.42	-1.22	-6.14	0.0	-0.24
61	85	960.00	0.20	5.42	-1.22	-3.43	-0.61	-0.41
61	85	1010.00	-0.54	7.65	-0.08	-2.70	-0.65	-0.45
61	85	1060.00	-1.01	6.08	1.14	-0.14	-0.02	-0.30
61	92	910.00	0.70	6.85	-5.90e-03	-7.83	0.0	2.74e-03
61	92	960.00	0.70	6.85	-5.90e-03	-4.41	-2.95e-03	4.63e-03
61	92	1010.00	-0.44	9.66	-7.71e-03	-3.70	-6.81e-03	4.72e-03

61	92	1060.00	-0.98	7.91	-6.99e-03	-0.26	1.85e-04	3.22e-03
61	98	910.00	0.65	6.31	-5.77e-03	-6.89	0.0	2.20e-03
61	98	960.00	0.65	6.31	-5.77e-03	-3.74	-2.88e-03	3.82e-03
61	98	1010.00	-0.28	8.94	-6.77e-03	-2.93	-6.27e-03	3.98e-03
61	98	1060.00	-1.00	7.26	-6.11e-03	-0.20	1.62e-04	2.72e-03
61	102	910.00	0.28	5.37	0.12	-5.75	0.0	0.03
61	102	960.00	0.28	5.37	0.12	-3.07	0.06	0.04
61	102	1010.00	-0.45	7.65	1.96e-03	-2.38	0.06	0.05
61	102	1060.00	-1.01	6.11	-0.12	-0.12	2.25e-03	0.03
61	104	910.00	0.26	5.39	-0.25	-5.87	0.0	-0.05
61	104	960.00	0.26	5.39	-0.25	-3.18	-0.12	-0.08
61	104	1010.00	-0.48	7.66	-0.02	-2.48	-0.13	-0.09
61	104	1060.00	-1.01	6.11	0.22	-0.13	-4.09e-03	-0.06
61	106	910.00	0.27	5.38	-3.14e-03	-5.81	0.0	1.37e-03
61	106	960.00	0.27	5.38	-3.14e-03	-3.12	-1.57e-03	2.38e-03
61	106	1010.00	-0.46	7.66	-5.11e-03	-2.42	-4.13e-03	2.46e-03
61	106	1060.00	-1.01	6.12	-4.79e-03	-0.12	1.34e-04	1.66e-03
61	107	910.00	0.60	6.18	-5.39e-03	-6.74	0.0	2.08e-03
61	107	960.00	0.60	6.18	-5.39e-03	-3.65	-2.70e-03	3.62e-03
61	107	1010.00	-0.31	8.76	-6.53e-03	-2.86	-5.96e-03	3.76e-03
61	107	1060.00	-1.00	7.10	-5.92e-03	-0.19	1.58e-04	2.57e-03
61	112	910.00	7.58	16.78	-0.15	-26.65	-0.02	0.06
61	112	960.00	7.58	16.78	-0.15	-23.56	-0.02	0.11
61	112	1010.00	5.41	21.80	-0.02	-16.91	-0.01	0.11
61	112	1060.00	-0.64	17.42	-0.12	-1.11	2.01e-03	0.08
61	120	910.00	9.04	15.99	0.30	-23.55	0.09	-0.07
61	120	960.00	9.04	15.99	0.30	-20.47	0.08	-0.06
61	120	1010.00	5.80	20.74	0.02	-15.36	0.17	-0.05
61	120	1060.00	-0.64	16.47	-0.26	-1.06	0.06	-7.90e-03
61	123	910.00	-7.84	-3.63	-0.31	10.08	-0.09	0.08
61	123	960.00	-7.84	-3.63	-0.31	13.17	-0.09	0.07
61	123	1010.00	-6.42	-3.23	-0.03	9.65	-0.18	0.06
61	123	1060.00	-1.36	-2.27	0.24	0.68	-0.06	0.01
61	124	910.00	1.35	5.96	0.55	-4.22	0.14	0.12
61	124	960.00	1.35	5.96	0.55	-1.13	0.14	0.14
61	124	1010.00	0.27	8.49	-9.21e-03	-1.13	0.29	0.18
61	124	1060.00	-1.01	6.89	-0.56	-0.18	0.09	0.13
61	144	910.00	8.47	18.12	-0.17	-29.17	-0.02	0.07
61	144	960.00	8.47	18.12	-0.17	-26.09	-0.02	0.13
61	144	1010.00	6.14	23.45	-0.02	-18.69	-0.01	0.12
61	144	1060.00	-0.59	18.73	-0.13	-1.22	2.21e-03	0.09
61	152	910.00	10.15	17.28	0.34	-25.77	0.10	-0.08
61	152	960.00	10.15	17.28	0.34	-22.68	0.09	-0.07
61	152	1010.00	6.61	22.32	0.02	-17.01	0.19	-0.05
61	152	1060.00	-0.59	17.70	-0.29	-1.17	0.07	-9.16e-03
61	155	910.00	-8.95	-4.92	-0.35	12.29	-0.10	0.08
61	155	960.00	-8.95	-4.92	-0.35	15.38	-0.10	0.08
61	155	1010.00	-7.22	-4.80	-0.03	11.29	-0.20	0.06
61	155	1060.00	-1.40	-3.50	0.28	0.79	-0.07	0.01
61	156	910.00	1.43	5.93	0.62	-3.88	0.16	0.13
61	156	960.00	1.43	5.93	0.62	-0.79	0.16	0.16
61	156	1010.00	0.33	8.44	-9.54e-03	-0.89	0.33	0.20
61	156	1060.00	-1.02	6.85	-0.63	-0.17	0.11	0.14
61	176	910.00	8.59	18.15	-0.16	-29.12	-0.02	0.06
61	176	960.00	8.59	18.15	-0.16	-26.03	-0.02	0.12
61	176	1010.00	6.21	23.48	-0.02	-18.66	-0.01	0.12
61	176	1060.00	-0.59	18.75	-0.12	-1.22	2.17e-03	0.08
61	184	910.00	10.47	17.65	0.32	-26.39	0.09	-0.08
61	184	960.00	10.47	17.65	0.32	-23.30	0.09	-0.07
61	184	1010.00	6.86	22.76	0.02	-17.47	0.18	-0.05
61	184	1060.00	-0.57	18.05	-0.27	-1.20	0.07	-8.44e-03
61	187	910.00	-9.28	-5.30	-0.33	12.92	-0.09	0.08
61	187	960.00	-9.28	-5.30	-0.33	16.00	-0.09	0.08
61	187	1010.00	-7.47	-5.25	-0.03	11.75	-0.19	0.06
61	187	1060.00	-1.42	-3.85	0.26	0.82	-0.07	0.01
61	188	910.00	1.38	5.86	0.61	-3.74	0.16	0.13
61	188	960.00	1.38	5.86	0.61	-0.66	0.16	0.16
61	188	1010.00	0.29	8.37	-9.50e-03	-0.79	0.32	0.20
61	188	1060.00	-1.02	6.79	-0.62	-0.16	0.11	0.14
61	208	910.00	10.07	20.30	-0.19	-33.06	-0.02	0.07
61	208	960.00	10.07	20.30	-0.19	-29.97	-0.03	0.14
61	208	1010.00	7.41	26.12	-0.02	-21.46	-0.01	0.14
61	208	1060.00	-0.51	20.84	-0.14	-1.40	2.43e-03	0.10
61	216	910.00	12.52	20.04	0.37	-30.49	0.11	-0.09
61	216	960.00	12.52	20.04	0.37	-27.40	0.10	-0.08

61	216	1010.00	8.35	25.68	0.02	-20.51	0.21	-0.06
61	216	1060.00	-0.48	20.32	-0.32	-1.41	0.08	-0.01
61	219	910.00	-11.32	-7.69	-0.38	17.02	-0.11	0.09
61	219	960.00	-11.32	-7.69	-0.38	20.11	-0.11	0.09
61	219	1010.00	-8.96	-8.17	-0.03	14.80	-0.22	0.07
61	219	1060.00	-1.51	-6.13	0.31	1.03	-0.08	0.02
61	220	910.00	1.45	5.75	0.72	-3.13	0.19	0.15
61	220	960.00	1.45	5.75	0.72	-0.04	0.18	0.18
61	220	1010.00	0.35	8.23	-9.93e-03	-0.36	0.38	0.23
61	220	1060.00	-1.03	6.69	-0.73	-0.15	0.12	0.17

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-11.32	-8.17	-1.83	-33.06	-0.97	-0.68
	12.52	26.12	1.71	20.11	0.38	0.23

Macro	Tipo	Angolo 1-Z (gradi)
62	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
62	8	210.00	-0.42	0.77	0.54	-0.21	0.0	6.34e-03
62	8	253.33	-0.42	0.77	0.54	0.13	0.23	0.01
62	8	296.67	-0.21	1.50	0.03	0.31	0.25	9.73e-03
62	8	340.00	-0.25	1.50	-0.34	0.03	4.72e-03	5.33e-03
62	18	210.00	-0.53	0.77	0.90	-0.21	0.0	0.01
62	18	253.33	-0.53	0.77	0.90	0.12	0.39	0.02
62	18	296.67	-0.27	1.52	0.06	0.32	0.42	0.02
62	18	340.00	-0.32	1.47	-0.57	0.04	7.83e-03	8.63e-03
62	28	210.00	-0.56	1.11	-0.28	-0.31	0.0	-2.43e-03
62	28	253.33	-0.56	1.11	-0.28	0.17	-0.12	-3.22e-03
62	28	296.67	-0.28	2.10	-0.02	0.43	-0.13	-2.70e-03
62	28	340.00	-0.32	2.07	0.16	0.04	-2.27e-03	-1.43e-03
62	68	210.00	-0.42	0.66	0.36	-0.18	0.0	4.31e-03
62	68	253.33	-0.42	0.66	0.36	0.11	0.16	6.88e-03
62	68	296.67	-0.21	1.30	0.02	0.27	0.17	6.73e-03
62	68	340.00	-0.25	1.27	-0.23	0.03	3.16e-03	3.69e-03
62	75	210.00	-0.41	0.55	0.60	-0.15	0.0	7.04e-03
62	75	253.33	-0.41	0.55	0.60	0.09	0.26	0.01
62	75	296.67	-0.21	1.09	0.04	0.23	0.28	0.01
62	75	340.00	-0.25	1.04	-0.38	0.03	5.23e-03	5.79e-03
62	80	210.00	-0.43	0.78	-0.19	-0.22	0.0	-1.59e-03
62	80	253.33	-0.43	0.78	-0.19	0.12	-0.08	-2.08e-03
62	80	296.67	-0.22	1.48	-0.01	0.30	-0.09	-1.72e-03
62	80	340.00	-0.25	1.43	0.11	0.03	-1.51e-03	-9.12e-04
62	98	210.00	-0.41	0.60	-3.40e-03	-0.16	0.0	2.21e-04
62	98	253.33	-0.41	0.60	-3.40e-03	0.10	-1.47e-03	6.20e-04
62	98	296.67	-0.22	1.16	-6.25e-04	0.24	-1.75e-03	7.97e-04
62	98	340.00	-0.25	1.10	-2.58e-03	0.03	4.50e-05	4.52e-04
62	103	210.00	-0.41	0.55	0.12	-0.15	0.0	1.59e-03
62	103	253.33	-0.41	0.55	0.12	0.09	0.05	2.69e-03
62	103	296.67	-0.22	1.08	7.23e-03	0.22	0.05	2.74e-03
62	103	340.00	-0.25	1.02	-0.08	0.03	1.08e-03	1.51e-03
62	105	210.00	-0.41	0.59	-0.06	-0.16	0.0	-3.79e-04
62	105	253.33	-0.41	0.59	-0.06	0.09	-0.03	-2.99e-04
62	105	296.67	-0.22	1.14	-4.51e-03	0.24	-0.03	-8.02e-05
62	105	340.00	-0.25	1.07	0.03	0.03	-4.77e-04	-2.55e-05
62	107	210.00	-0.41	0.57	-3.28e-03	-0.15	0.0	2.23e-04
62	107	253.33	-0.41	0.57	-3.28e-03	0.09	-1.42e-03	6.12e-04
62	107	296.67	-0.22	1.11	-6.00e-04	0.23	-1.68e-03	7.81e-04
62	107	340.00	-0.25	1.04	-2.49e-03	0.03	4.33e-05	4.42e-04
62	113	210.00	1.91	27.76	-0.09	-8.01	8.45e-03	-0.03
62	113	253.33	1.91	27.76	-0.09	-7.76	7.03e-03	-0.03
62	113	296.67	0.55	32.53	8.34e-03	-4.68	-0.05	-0.03
62	113	340.00	-0.22	24.51	-1.36e-03	-0.15	-1.18e-03	-0.02
62	114	210.00	-2.74	-26.63	0.08	7.70	-8.45e-03	0.03
62	114	253.33	-2.74	-26.63	0.08	7.94	-9.88e-03	0.03
62	114	296.67	-0.99	-30.31	-9.54e-03	5.14	0.05	0.04
62	114	340.00	-0.27	-22.42	-3.62e-03	0.21	1.26e-03	0.02
62	118	210.00	-1.59	-13.37	0.10	3.83	0.02	0.04
62	118	253.33	-1.59	-13.37	0.10	4.08	0.01	0.04
62	118	296.67	-0.67	-15.03	-7.62e-03	2.69	0.03	0.04
62	118	340.00	-0.26	-11.03	-0.02	0.12	3.83e-03	0.03

62	145	210.00	2.20	31.17	-0.10	-8.99	9.55e-03	-0.04
62	145	253.33	2.20	31.17	-0.10	-8.74	8.13e-03	-0.04
62	145	296.67	0.65	36.46	9.45e-03	-5.29	-0.05	-0.04
62	145	340.00	-0.21	27.44	-1.30e-03	-0.17	-1.32e-03	-0.02
62	146	210.00	-3.03	-30.03	0.09	8.68	-9.55e-03	0.04
62	146	253.33	-3.03	-30.03	0.09	8.93	-0.01	0.04
62	146	296.67	-1.09	-34.24	-0.01	5.75	0.05	0.04
62	146	340.00	-0.28	-25.36	-3.69e-03	0.23	1.40e-03	0.03
62	150	210.00	-1.73	-15.02	0.11	4.31	0.02	0.04
62	150	253.33	-1.73	-15.02	0.11	4.55	0.02	0.04
62	150	296.67	-0.72	-16.94	-8.44e-03	2.98	0.03	0.04
62	150	340.00	-0.26	-12.47	-0.02	0.13	4.32e-03	0.03
62	177	210.00	2.10	29.99	-0.09	-8.64	9.43e-03	-0.04
62	177	253.33	2.10	29.99	-0.09	-8.39	8.01e-03	-0.04
62	177	296.67	0.62	35.12	9.02e-03	-5.06	-0.05	-0.04
62	177	340.00	-0.22	26.45	-1.19e-03	-0.16	-1.33e-03	-0.02
62	178	210.00	-2.93	-28.86	0.09	8.33	-9.43e-03	0.04
62	178	253.33	-2.93	-28.86	0.09	8.58	-0.01	0.04
62	178	296.67	-1.06	-32.90	-0.01	5.52	0.05	0.04
62	178	340.00	-0.27	-24.36	-3.79e-03	0.22	1.42e-03	0.03
62	182	210.00	-1.63	-13.84	0.11	3.94	0.02	0.04
62	182	253.33	-1.63	-13.84	0.11	4.19	0.02	0.04
62	182	296.67	-0.69	-15.59	-7.76e-03	2.75	0.03	0.05
62	182	340.00	-0.25	-11.47	-0.02	0.12	4.43e-03	0.03
62	209	210.00	2.48	34.49	-0.11	-9.93	0.01	-0.04
62	209	253.33	2.48	34.49	-0.11	-9.68	9.56e-03	-0.04
62	209	296.67	0.75	40.32	0.01	-5.86	-0.06	-0.04
62	209	340.00	-0.21	30.33	-8.17e-04	-0.19	-1.59e-03	-0.03
62	210	210.00	-3.31	-33.35	0.10	9.62	-0.01	0.04
62	210	253.33	-3.31	-33.35	0.10	9.86	-0.01	0.04
62	210	296.67	-1.19	-38.10	-0.01	6.32	0.06	0.05
62	210	340.00	-0.28	-28.25	-4.17e-03	0.25	1.67e-03	0.03
62	214	210.00	-1.82	-16.11	0.13	4.58	0.02	0.05
62	214	253.33	-1.82	-16.11	0.13	4.82	0.02	0.05
62	214	296.67	-0.77	-18.23	-8.88e-03	3.13	0.04	0.05
62	214	340.00	-0.26	-13.46	-0.02	0.14	5.23e-03	0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3.31	-38.10	-0.57	-9.93	-0.13	-0.04
	2.48	40.32	0.90	9.86	0.42	0.05

Macro	Tipo	Angolo 1-Z (gradi)
63	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
63	4	340.00	-102.36	10.48	0.16	-3.01	-0.15	0.03
63	4	392.50	-102.36	10.48	0.16	2.49	-0.07	-0.01
63	4	445.00	-95.21	10.46	-0.03	3.92	-0.04	-6.19e-03
63	4	497.50	-88.52	10.44	-0.04	5.63	-0.06	-3.81e-03
63	4	550.00	-82.13	10.49	-8.86e-03	7.52	-0.08	-7.17e-04
63	4	600.00	-76.44	8.44	0.08	8.83	-0.05	3.14e-03
63	4	650.00	-71.52	10.22	0.29	9.52	0.01	-8.14e-03
63	4	700.00	-65.04	5.39	-0.05	10.12	0.0	0.01
63	18	340.00	-95.61	9.33	0.19	-1.82	-0.17	0.04
63	18	392.50	-95.61	9.33	0.19	3.08	-0.07	-0.01
63	18	445.00	-88.70	9.33	-0.01	4.06	-0.04	-5.94e-03
63	18	497.50	-82.33	9.31	-0.03	5.37	-0.05	-3.61e-03
63	18	550.00	-76.24	9.35	-4.30e-03	6.85	-0.06	-8.02e-04
63	18	600.00	-70.67	7.56	0.08	7.94	-0.04	2.39e-03
63	18	650.00	-65.82	9.15	0.32	8.40	0.04	-8.51e-03
63	18	700.00	-59.61	4.90	-0.10	8.95	0.0	0.01
63	45	340.00	-23.99	2.36	-0.05	-2.87	0.04	-0.01
63	45	392.50	-23.99	2.36	-0.05	-1.63	9.60e-03	3.60e-03
63	45	445.00	-23.11	2.30	-0.02	-0.63	-3.82e-03	-2.28e-04
63	45	497.50	-21.96	2.29	-0.03	0.18	-0.02	-2.06e-04
63	45	550.00	-20.85	2.31	-0.01	1.02	-0.03	2.09e-04
63	45	600.00	-19.74	1.58	-0.01	1.71	-0.03	1.56e-03
63	45	650.00	-18.99	1.87	-0.08	2.24	-0.05	1.28e-03
63	45	700.00	-17.03	1.10	0.10	2.49	0.0	-7.10e-03
63	68	340.00	-71.79	7.27	0.11	-2.13	-0.11	0.02
63	68	392.50	-71.79	7.27	0.11	1.69	-0.05	-8.04e-03

63	68	445.00	-66.79	7.25	-0.02	2.68	-0.03	-4.26e-03
63	68	497.50	-62.11	7.23	-0.03	3.87	-0.04	-2.63e-03
63	68	550.00	-57.62	7.27	-6.43e-03	5.17	-0.05	-5.05e-04
63	68	600.00	-53.59	5.83	0.06	6.10	-0.04	2.16e-03
63	68	650.00	-50.11	7.07	0.20	6.59	7.53e-03	-5.67e-03
63	68	700.00	-45.50	3.74	-0.03	7.02	0.0	7.19e-03
63	75	340.00	-67.29	6.50	0.13	-1.33	-0.12	0.03
63	75	392.50	-67.29	6.50	0.13	2.07	-0.05	-8.90e-03
63	75	445.00	-62.46	6.50	-0.01	2.77	-0.02	-4.10e-03
63	75	497.50	-57.98	6.48	-0.02	3.69	-0.03	-2.50e-03
63	75	550.00	-53.70	6.51	-3.38e-03	4.73	-0.04	-5.62e-04
63	75	600.00	-49.75	5.25	0.06	5.51	-0.03	1.66e-03
63	75	650.00	-46.31	6.35	0.22	5.85	0.02	-5.91e-03
63	75	700.00	-41.88	3.41	-0.07	6.23	0.0	9.40e-03
63	85	340.00	-30.25	2.89	-0.02	-2.44	9.10e-03	-4.59e-03
63	85	392.50	-30.25	2.89	-0.02	-0.93	-1.03e-03	1.33e-03
63	85	445.00	-28.75	2.84	-0.02	-0.04	-8.10e-03	-8.42e-04
63	85	497.50	-27.09	2.83	-0.02	0.74	-0.02	-5.72e-04
63	85	550.00	-25.49	2.85	-0.01	1.55	-0.03	4.38e-05
63	85	600.00	-23.92	2.07	3.16e-03	2.22	-0.03	1.42e-03
63	85	650.00	-22.71	2.47	-0.02	2.69	-0.03	-1.06e-04
63	85	700.00	-20.39	1.42	0.07	2.95	0.0	-3.85e-03
63	98	340.00	-55.87	5.69	0.06	-2.29	-0.06	0.01
63	98	392.50	-55.87	5.69	0.06	0.69	-0.03	-4.55e-03
63	98	445.00	-52.15	5.67	-0.02	1.66	-0.02	-2.99e-03
63	98	497.50	-48.56	5.65	-0.03	2.71	-0.04	-1.88e-03
63	98	550.00	-45.12	5.68	-8.22e-03	3.84	-0.05	-3.09e-04
63	98	600.00	-41.98	4.51	0.04	4.68	-0.04	1.87e-03
63	98	650.00	-39.31	5.46	0.12	5.17	-0.01	-3.77e-03
63	98	700.00	-35.63	2.85	0.01	5.53	0.0	2.75e-03
63	103	340.00	-54.89	5.47	0.07	-1.96	-0.07	0.01
63	103	392.50	-54.89	5.47	0.07	0.91	-0.03	-5.11e-03
63	103	445.00	-51.16	5.45	-0.02	1.76	-0.02	-3.00e-03
63	103	497.50	-47.59	5.44	-0.02	2.70	-0.03	-1.86e-03
63	103	550.00	-44.17	5.47	-6.93e-03	3.74	-0.04	-3.41e-04
63	103	600.00	-41.01	4.35	0.04	4.52	-0.03	1.69e-03
63	103	650.00	-38.31	5.26	0.13	4.95	-2.71e-03	-3.97e-03
63	103	700.00	-34.66	2.77	-5.32e-03	5.29	0.0	3.89e-03
63	104	340.00	-36.58	3.31	0.03	-1.61	-0.03	5.51e-03
63	104	392.50	-36.58	3.31	0.03	0.13	-0.02	-1.95e-03
63	104	445.00	-34.32	3.29	-0.01	0.77	-0.01	-1.59e-03
63	104	497.50	-32.06	3.27	-0.02	1.40	-0.02	-1.01e-03
63	104	550.00	-29.89	3.29	-6.35e-03	2.08	-0.03	-2.02e-04
63	104	600.00	-27.73	2.52	0.02	2.67	-0.02	1.05e-03
63	104	650.00	-25.95	3.02	0.06	3.00	-7.92e-03	-2.07e-03
63	104	700.00	-23.23	1.70	0.01	3.26	0.0	1.10e-03
63	106	340.00	-38.16	3.41	0.04	-1.40	-0.04	8.04e-03
63	106	392.50	-38.16	3.41	0.04	0.39	-0.02	-2.77e-03
63	106	445.00	-35.71	3.40	-0.01	0.97	-0.01	-1.78e-03
63	106	497.50	-33.31	3.39	-0.02	1.57	-0.02	-1.12e-03
63	106	550.00	-30.99	3.40	-4.99e-03	2.22	-0.03	-2.63e-04
63	106	600.00	-28.69	2.63	0.03	2.79	-0.02	9.59e-04
63	106	650.00	-26.75	3.16	0.08	3.07	-1.76e-03	-2.56e-03
63	106	700.00	-23.94	1.77	-3.02e-03	3.34	0.0	2.34e-03
63	107	340.00	-53.34	5.37	0.06	-2.16	-0.06	0.01
63	107	392.50	-53.34	5.37	0.06	0.65	-0.03	-4.29e-03
63	107	445.00	-49.80	5.34	-0.02	1.56	-0.02	-2.82e-03
63	107	497.50	-46.38	5.33	-0.02	2.55	-0.04	-1.77e-03
63	107	550.00	-43.10	5.36	-7.76e-03	3.61	-0.05	-3.03e-04
63	107	600.00	-40.08	4.24	0.04	4.41	-0.04	1.74e-03
63	107	650.00	-37.52	5.13	0.12	4.87	-9.05e-03	-3.59e-03
63	107	700.00	-33.96	2.70	8.83e-03	5.21	0.0	2.69e-03
63	108	340.00	-35.63	29.88	-0.58	-19.71	0.12	-0.02
63	108	392.50	-35.63	29.88	-0.58	-16.89	0.16	2.33e-04
63	108	445.00	-20.77	30.54	-0.15	-5.31	-0.20	-0.01
63	108	497.50	-11.94	30.25	-0.01	2.51	-0.14	-0.01
63	108	550.00	0.49	30.08	0.04	10.97	-0.15	3.68e-03
63	108	600.00	-26.18	17.12	0.29	16.12	-0.16	0.02
63	108	650.00	-23.82	20.80	1.02	12.82	0.20	0.02
63	108	700.00	-51.86	12.47	-0.85	16.60	0.22	0.04
63	133	340.00	56.49	7.56	-2.24	-29.36	0.68	-0.15
63	133	392.50	56.49	7.56	-2.24	-26.54	0.71	-0.03
63	133	445.00	53.96	4.73	-0.45	-17.87	-0.06	-0.02
63	133	497.50	52.99	4.54	-0.21	-9.41	-0.20	-0.01
63	133	550.00	55.16	4.34	-0.16	-0.43	-0.31	0.01

63	133	600.00	36.67	2.61	0.09	1.05	-0.35	0.04
63	133	650.00	30.66	2.70	-0.38	1.08	-0.41	0.04
63	133	700.00	17.51	2.26	1.07	2.24	-0.26	-0.01
63	134	340.00	-163.18	3.17	2.35	25.03	-0.80	0.18
63	134	392.50	-163.18	3.17	2.35	27.84	-0.77	0.03
63	134	445.00	-153.57	5.96	0.41	21.00	0.01	0.02
63	134	497.50	-145.75	6.12	0.16	14.50	0.13	8.84e-03
63	134	550.00	-141.37	6.37	0.15	7.65	0.22	-0.01
63	134	600.00	-116.84	5.87	-0.02	7.76	0.28	-0.04
63	134	650.00	-105.70	7.55	0.61	8.65	0.39	-0.05
63	134	700.00	-85.44	3.14	-1.06	8.18	0.26	0.02
63	140	340.00	-33.44	32.98	-0.66	-21.91	0.15	-0.02
63	140	392.50	-33.44	32.98	-0.66	-19.09	0.18	8.03e-04
63	140	445.00	-17.15	33.72	-0.17	-6.17	-0.22	-0.01
63	140	497.50	-7.62	33.40	-0.01	2.51	-0.15	-0.01
63	140	550.00	5.99	33.20	0.05	11.90	-0.17	4.18e-03
63	140	600.00	-24.42	18.75	0.33	17.59	-0.18	0.03
63	140	650.00	-22.09	22.78	1.14	13.82	0.23	0.02
63	140	700.00	-54.11	13.71	-0.96	18.03	0.24	0.05
63	165	340.00	70.23	7.83	-2.53	-32.75	0.77	-0.17
63	165	392.50	70.23	7.83	-2.53	-29.94	0.80	-0.04
63	165	445.00	66.93	4.65	-0.50	-20.30	-0.06	-0.03
63	165	497.50	65.41	4.44	-0.24	-10.91	-0.22	-0.01
63	165	550.00	67.47	4.21	-0.18	-0.94	-0.34	0.01
63	165	600.00	46.28	2.40	0.10	0.63	-0.39	0.05
63	165	650.00	39.20	2.39	-0.44	0.60	-0.46	0.05
63	165	700.00	23.96	2.20	1.21	1.86	-0.30	-0.02
63	166	340.00	-176.91	2.91	2.64	28.42	-0.89	0.20
63	166	392.50	-176.91	2.91	2.64	31.24	-0.86	0.03
63	166	445.00	-166.53	6.04	0.46	23.43	0.02	0.02
63	166	497.50	-158.18	6.22	0.19	16.00	0.15	0.01
63	166	550.00	-153.67	6.51	0.17	8.16	0.25	-0.01
63	166	600.00	-126.45	6.08	-0.03	8.19	0.31	-0.05
63	166	650.00	-114.24	7.87	0.67	9.14	0.45	-0.06
63	166	700.00	-91.88	3.20	-1.19	8.56	0.30	0.02
63	172	340.00	-36.57	32.67	-0.61	-20.90	0.14	-0.02
63	172	392.50	-36.57	32.67	-0.61	-18.08	0.17	8.29e-04
63	172	445.00	-20.17	33.40	-0.16	-5.53	-0.22	-0.01
63	172	497.50	-10.22	33.08	-8.67e-03	2.90	-0.15	-0.01
63	172	550.00	3.97	32.89	0.05	12.06	-0.16	3.92e-03
63	172	600.00	-25.47	18.64	0.32	17.30	-0.17	0.02
63	172	650.00	-22.94	22.69	1.11	13.60	0.22	0.02
63	172	700.00	-53.96	13.60	-0.94	17.68	0.24	0.04
63	197	340.00	67.77	7.74	-2.49	-32.13	0.76	-0.17
63	197	392.50	67.77	7.74	-2.49	-29.31	0.79	-0.04
63	197	445.00	64.63	4.64	-0.49	-19.89	-0.06	-0.02
63	197	497.50	63.34	4.42	-0.23	-10.68	-0.21	-0.01
63	197	550.00	65.68	4.19	-0.18	-0.88	-0.34	0.01
63	197	600.00	44.97	2.39	0.10	0.56	-0.38	0.05
63	197	650.00	38.08	2.36	-0.44	0.55	-0.46	0.05
63	197	700.00	23.29	2.17	1.20	1.78	-0.30	-0.02
63	198	340.00	-174.46	2.99	2.60	27.80	-0.88	0.20
63	198	392.50	-174.46	2.99	2.60	30.62	-0.85	0.03
63	198	445.00	-164.24	6.05	0.45	23.02	0.01	0.02
63	198	497.50	-156.11	6.24	0.19	15.77	0.14	9.95e-03
63	198	550.00	-151.88	6.53	0.17	8.10	0.25	-0.01
63	198	600.00	-125.14	6.10	-0.03	8.26	0.31	-0.04
63	198	650.00	-113.12	7.90	0.67	9.19	0.44	-0.05
63	198	700.00	-91.21	3.22	-1.18	8.65	0.30	0.02
63	204	340.00	-35.47	37.27	-0.70	-23.60	0.17	-0.03
63	204	392.50	-35.47	37.27	-0.70	-20.79	0.20	1.72e-03
63	204	445.00	-16.66	38.14	-0.19	-6.38	-0.25	-0.02
63	204	497.50	-5.39	37.77	-4.39e-03	3.18	-0.17	-0.01
63	204	550.00	11.09	37.54	0.06	13.63	-0.17	4.50e-03
63	204	600.00	-23.51	21.10	0.37	19.39	-0.19	0.03
63	204	650.00	-20.85	25.72	1.27	14.99	0.26	0.02
63	204	700.00	-57.38	15.46	-1.10	19.67	0.28	0.05
63	229	340.00	87.20	8.08	-2.90	-36.89	0.90	-0.20
63	229	392.50	87.20	8.08	-2.90	-34.07	0.93	-0.04
63	229	445.00	82.99	4.47	-0.57	-23.33	-0.07	-0.03
63	229	497.50	81.01	4.21	-0.27	-12.82	-0.24	-0.02
63	229	550.00	83.39	3.94	-0.21	-1.60	-0.38	0.02
63	229	600.00	58.84	2.04	0.11	-0.13	-0.43	0.06
63	229	650.00	50.44	1.84	-0.54	-0.23	-0.53	0.06
63	229	700.00	32.73	2.06	1.40	1.14	-0.35	-0.02

63	230	340.00	-193.88	2.66	3.01	32.56	-1.02	0.23
63	230	392.50	-193.88	2.66	3.01	35.38	-0.99	0.03
63	230	445.00	-182.59	6.22	0.53	26.46	0.02	0.02
63	230	497.50	-173.78	6.44	0.22	17.91	0.17	0.01
63	230	550.00	-169.59	6.77	0.20	8.82	0.29	-0.02
63	230	600.00	-139.01	6.45	-0.04	8.95	0.36	-0.05
63	230	650.00	-125.48	8.42	0.77	9.97	0.52	-0.06
63	230	700.00	-100.65	3.34	-1.38	9.28	0.35	0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-193.88	1.10	-2.90	-36.89	-1.02	-0.20
	87.20	38.14	3.01	35.38	0.93	0.23

Macro	Tipo	Angolo 1-Z (gradi)
64	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
64	4	340.00	-292.56	2.86	0.59	-336.55	-0.44	3.98e-04
64	4	392.50	-292.56	2.86	0.59	-335.06	-0.13	9.52e-04
64	4	445.00	-279.02	2.71	0.08	-311.44	0.02	-4.64e-04
64	4	497.50	-266.60	2.69	0.06	-290.28	0.05	-6.46e-04
64	4	550.00	-254.35	2.74	0.12	-269.48	0.09	-2.54e-03
64	4	600.00	-237.26	-9.43	0.39	-266.95	0.19	-5.66e-03
64	4	650.00	-222.47	-12.39	1.57	-266.50	0.59	-7.13e-03
64	4	700.00	-186.65	-9.83	-1.30	-220.03	0.0	-8.53e-03
64	18	340.00	-266.54	2.65	0.67	-301.29	-0.46	3.30e-03
64	18	392.50	-266.54	2.65	0.67	-299.90	-0.11	2.69e-03
64	18	445.00	-253.59	2.53	0.11	-277.67	0.06	1.27e-03
64	18	497.50	-241.91	2.51	0.06	-258.19	0.10	-3.72e-05
64	18	550.00	-230.42	2.56	0.10	-239.13	0.14	-3.10e-03
64	18	600.00	-214.43	-8.26	0.33	-236.36	0.22	-7.51e-03
64	18	650.00	-200.56	-10.89	1.42	-235.39	0.58	-9.59e-03
64	18	700.00	-168.30	-8.66	-1.26	-194.24	0.0	-0.01
64	45	340.00	-92.56	2.09	-0.10	-79.30	0.05	-4.59e-03
64	45	392.50	-92.56	2.09	-0.10	-78.21	-4.82e-03	-4.00e-04
64	45	445.00	-89.12	2.04	-0.05	-75.12	-0.04	-2.37e-03
64	45	497.50	-85.33	2.03	-0.02	-71.32	-0.06	-1.38e-03
64	45	550.00	-81.53	2.03	0.01	-67.48	-0.06	-8.41e-05
64	45	600.00	-75.89	-1.16	0.07	-68.45	-0.04	2.12e-03
64	45	650.00	-71.18	-1.83	0.17	-70.25	0.02	3.19e-03
64	45	700.00	-60.06	-1.34	-0.04	-58.39	0.0	2.78e-03
64	68	340.00	-206.07	2.14	0.41	-233.17	-0.31	1.09e-04
64	68	392.50	-206.07	2.14	0.41	-232.06	-0.09	5.77e-04
64	68	445.00	-196.48	2.04	0.05	-215.69	0.01	-4.53e-04
64	68	497.50	-187.64	2.02	0.04	-200.99	0.03	-5.63e-04
64	68	550.00	-178.93	2.05	0.08	-186.54	0.06	-1.84e-03
64	68	600.00	-166.75	-6.40	0.27	-184.82	0.13	-3.94e-03
64	68	650.00	-156.22	-8.45	1.08	-184.53	0.41	-4.93e-03
64	68	700.00	-131.06	-6.70	-0.89	-152.29	0.0	-5.88e-03
64	75	340.00	-188.72	2.00	0.46	-209.66	-0.32	2.05e-03
64	75	392.50	-188.72	2.00	0.46	-208.62	-0.08	1.74e-03
64	75	445.00	-179.53	1.92	0.07	-193.17	0.04	7.00e-04
64	75	497.50	-171.19	1.90	0.04	-179.60	0.07	-1.57e-04
64	75	550.00	-162.98	1.93	0.07	-166.31	0.09	-2.21e-03
64	75	600.00	-151.53	-5.62	0.23	-164.42	0.15	-5.17e-03
64	75	650.00	-141.62	-7.45	0.99	-163.79	0.40	-6.57e-03
64	75	700.00	-118.83	-5.92	-0.87	-135.10	0.0	-7.27e-03
64	85	340.00	-104.81	2.04	-0.01	-95.89	-0.01	-3.62e-03
64	85	392.50	-104.81	2.04	-0.01	-94.82	-0.02	-4.86e-04
64	85	445.00	-100.52	1.99	-0.03	-89.93	-0.03	-2.06e-03
64	85	497.50	-96.09	1.98	-0.01	-84.76	-0.04	-1.28e-03
64	85	550.00	-91.65	1.99	0.02	-79.59	-0.04	-4.48e-04
64	85	600.00	-85.20	-1.74	0.10	-80.03	-0.01	9.19e-04
64	85	650.00	-79.73	-2.55	0.30	-81.31	0.08	1.57e-03
64	85	700.00	-67.17	-1.94	-0.17	-67.40	0.0	1.13e-03
64	98	340.00	-166.81	2.08	0.23	-179.99	-0.19	-2.06e-03
64	98	392.50	-166.81	2.08	0.23	-178.90	-0.07	-8.39e-04
64	98	445.00	-159.17	2.00	0.02	-166.79	-0.02	-1.70e-03
64	98	497.50	-151.94	1.98	0.02	-155.56	-9.39e-03	-1.09e-03
64	98	550.00	-144.76	2.01	0.06	-144.46	9.01e-03	-1.19e-03
64	98	600.00	-134.72	-4.64	0.22	-143.50	0.07	-1.71e-03

64	98	650.00	-126.04	-6.23	0.82	-143.64	0.28	-1.98e-03
64	98	700.00	-105.64	-4.92	-0.62	-118.30	0.0	-2.79e-03
64	103	340.00	-161.76	2.03	0.26	-173.16	-0.21	-1.12e-03
64	103	392.50	-161.76	2.03	0.26	-172.10	-0.07	-2.76e-04
64	103	445.00	-154.18	1.95	0.03	-160.12	-4.50e-03	-1.14e-03
64	103	497.50	-147.05	1.94	0.02	-149.14	6.69e-03	-8.91e-04
64	103	550.00	-139.99	1.96	0.06	-138.32	0.02	-1.38e-03
64	103	600.00	-130.13	-4.42	0.21	-137.24	0.08	-2.35e-03
64	103	650.00	-121.58	-5.94	0.80	-137.20	0.28	-2.83e-03
64	103	700.00	-101.90	-4.69	-0.63	-112.93	0.0	-3.54e-03
64	104	340.00	-113.76	1.92	0.12	-108.02	-0.10	-1.95e-03
64	104	392.50	-113.76	1.92	0.12	-107.01	-0.04	-5.72e-04
64	104	445.00	-108.51	1.87	1.05e-03	-100.11	-0.01	-1.48e-03
64	104	497.50	-103.40	1.86	3.60e-03	-93.54	-0.01	-1.10e-03
64	104	550.00	-98.32	1.88	0.03	-87.04	-3.19e-03	-1.01e-03
64	104	600.00	-91.07	-2.19	0.12	-86.72	0.03	-9.38e-04
64	104	650.00	-84.83	-3.12	0.45	-87.13	0.15	-9.61e-04
64	104	700.00	-71.32	-2.43	-0.33	-71.89	0.0	-1.35e-03
64	106	340.00	-116.00	1.89	0.15	-111.05	-0.12	-1.54e-03
64	106	392.50	-116.00	1.89	0.15	-110.06	-0.04	-5.94e-04
64	106	445.00	-110.51	1.84	8.12e-03	-102.66	-7.49e-03	-1.34e-03
64	106	497.50	-105.23	1.83	7.37e-03	-95.74	-4.11e-03	-1.05e-03
64	106	550.00	-99.99	1.85	0.04	-88.90	5.42e-03	-1.15e-03
64	106	600.00	-92.54	-2.31	0.13	-88.39	0.04	-1.40e-03
64	106	650.00	-86.11	-3.26	0.49	-88.59	0.17	-1.59e-03
64	106	700.00	-72.35	-2.55	-0.37	-73.02	0.0	-1.97e-03
64	107	340.00	-159.55	2.06	0.22	-170.14	-0.18	-1.98e-03
64	107	392.50	-159.55	2.06	0.22	-169.07	-0.07	-8.04e-04
64	107	445.00	-152.22	1.98	0.01	-157.63	-0.02	-1.64e-03
64	107	497.50	-145.27	1.96	0.02	-147.02	-8.63e-03	-1.09e-03
64	107	550.00	-138.37	1.99	0.06	-136.53	8.49e-03	-1.19e-03
64	107	600.00	-128.70	-4.31	0.21	-135.63	0.06	-1.66e-03
64	107	650.00	-120.33	-5.81	0.77	-135.77	0.27	-1.93e-03
64	107	700.00	-100.88	-4.58	-0.59	-111.83	0.0	-2.67e-03
64	113	340.00	-106.58	161.63	-0.29	-387.12	-0.30	0.08
64	113	392.50	-106.58	161.63	-0.29	-386.05	-0.18	0.08
64	113	445.00	-102.24	159.55	-0.09	-295.80	-0.11	0.03
64	113	497.50	-98.71	155.35	-0.12	-198.07	-0.17	0.04
64	113	550.00	-89.44	152.15	-0.07	-115.28	-0.20	0.04
64	113	600.00	-86.48	114.96	0.32	-129.77	-0.14	-1.83e-03
64	113	650.00	-81.87	107.98	-0.11	-140.29	-0.04	-0.02
64	113	700.00	-73.37	81.82	0.57	-143.79	-0.28	-9.51e-04
64	120	340.00	-192.73	107.33	2.67	-408.23	-0.65	-0.08
64	120	392.50	-192.73	107.33	2.67	-407.15	-0.53	-0.09
64	120	445.00	-178.61	108.55	0.94	-329.98	0.40	-0.11
64	120	497.50	-169.14	111.50	0.41	-251.22	0.75	-0.08
64	120	550.00	-160.94	113.23	0.15	-178.70	0.90	-0.06
64	120	600.00	-149.22	69.84	0.02	-185.13	0.96	-0.02
64	120	650.00	-137.43	65.63	1.17	-193.24	1.21	-0.03
64	120	700.00	-118.16	45.00	-2.66	-182.36	0.55	-0.01
64	133	340.00	-25.13	81.68	-4.43	-126.51	0.57	0.10
64	133	392.50	-25.13	81.68	-4.43	-125.43	0.69	0.08
64	133	445.00	-32.83	76.23	-1.60	-96.16	-0.85	0.06
64	133	497.50	-35.61	64.43	-0.77	-56.01	-1.48	0.04
64	133	550.00	-26.18	56.42	-0.32	-32.77	-1.77	0.02
64	133	600.00	-30.83	62.59	0.55	-46.29	-1.72	-0.02
64	133	650.00	-33.76	56.47	-0.21	-49.66	-1.66	-0.02
64	133	700.00	-30.58	50.43	3.78	-48.44	-1.09	-0.02
64	134	340.00	-293.96	-77.56	4.87	-213.77	-0.94	-0.10
64	134	392.50	-293.96	-77.56	4.87	-212.70	-0.82	-0.09
64	134	445.00	-271.62	-72.27	1.62	-219.10	0.82	-0.06
64	134	497.50	-254.93	-60.51	0.80	-238.03	1.46	-0.04
64	134	550.00	-250.55	-52.44	0.44	-240.29	1.78	-0.02
64	134	600.00	-226.57	-71.21	-0.14	-224.97	1.85	0.01
64	134	650.00	-206.91	-68.08	1.75	-221.89	2.19	0.02
64	134	700.00	-171.18	-59.58	-4.95	-175.22	1.09	0.01
64	145	340.00	-99.98	181.78	-0.36	-414.56	-0.31	0.09
64	145	392.50	-99.98	181.78	-0.36	-413.48	-0.20	0.08
64	145	445.00	-96.01	179.45	-0.10	-313.28	-0.13	0.03
64	145	497.50	-92.91	174.73	-0.14	-204.61	-0.18	0.04
64	145	550.00	-83.34	171.11	-0.09	-112.66	-0.23	0.04
64	145	600.00	-81.22	130.02	0.34	-129.08	-0.16	-1.87e-03
64	145	650.00	-77.08	122.34	-0.22	-140.92	-0.08	-0.02
64	145	700.00	-69.94	92.71	0.71	-147.89	-0.32	-7.36e-04
64	152	340.00	-197.14	120.78	2.98	-438.65	-0.71	-0.09

64	152	392.50	-197.14	120.78	2.98	-437.58	-0.59	-0.10
64	152	445.00	-182.18	122.16	1.06	-352.01	0.45	-0.12
64	152	497.50	-172.35	125.49	0.46	-264.68	0.84	-0.09
64	152	550.00	-164.01	127.43	0.16	-184.13	1.01	-0.07
64	152	600.00	-152.01	79.29	-1.58e-03	-191.54	1.07	-0.02
64	152	650.00	-139.79	74.73	1.22	-200.69	1.33	-0.03
64	152	700.00	-120.51	51.30	-2.92	-191.53	0.61	-0.01
64	165	340.00	-8.32	91.69	-5.01	-121.01	0.67	0.11
64	165	392.50	-8.32	91.69	-5.01	-119.94	0.78	0.10
64	165	445.00	-17.90	85.58	-1.80	-88.43	-0.96	0.07
64	165	497.50	-21.89	72.29	-0.87	-44.64	-1.66	0.04
64	165	550.00	-12.13	63.26	-0.37	-19.80	-1.99	0.02
64	165	600.00	-18.58	70.99	0.59	-35.11	-1.95	-0.02
64	165	650.00	-22.93	64.28	-0.33	-38.89	-1.90	-0.03
64	165	700.00	-21.79	57.31	4.33	-40.49	-1.23	-0.02
64	166	340.00	-310.77	-87.58	5.45	-219.26	-1.03	-0.11
64	166	392.50	-310.77	-87.58	5.45	-218.19	-0.91	-0.10
64	166	445.00	-286.54	-81.62	1.83	-226.83	0.93	-0.07
64	166	497.50	-268.64	-68.37	0.90	-249.39	1.64	-0.05
64	166	550.00	-264.60	-59.29	0.49	-253.25	2.01	-0.02
64	166	600.00	-238.81	-79.60	-0.18	-236.14	2.07	0.01
64	166	650.00	-217.73	-75.90	1.88	-232.66	2.43	0.02
64	166	700.00	-179.97	-66.47	-5.50	-183.17	1.23	0.01
64	177	340.00	-102.18	179.28	-0.36	-411.54	-0.30	0.09
64	177	392.50	-102.18	179.28	-0.36	-410.47	-0.19	0.08
64	177	445.00	-98.20	176.97	-0.10	-311.50	-0.13	0.03
64	177	497.50	-94.80	172.30	-0.14	-205.17	-0.18	0.04
64	177	550.00	-85.35	168.73	-0.08	-113.74	-0.23	0.04
64	177	600.00	-82.97	127.97	0.34	-129.94	-0.16	-2.55e-03
64	177	650.00	-78.80	120.28	-0.20	-141.76	-0.08	-0.02
64	177	700.00	-71.27	91.04	0.68	-148.49	-0.31	-1.16e-03
64	184	340.00	-199.09	120.84	2.96	-439.22	-0.71	-0.08
64	184	392.50	-199.09	120.84	2.96	-438.15	-0.59	-0.10
64	184	445.00	-184.28	122.20	1.05	-352.61	0.45	-0.12
64	184	497.50	-174.18	125.47	0.46	-266.43	0.84	-0.09
64	184	550.00	-166.03	127.39	0.17	-184.97	1.01	-0.07
64	184	600.00	-153.80	79.17	-1.12e-03	-192.68	1.07	-0.03
64	184	650.00	-141.63	74.44	1.20	-202.03	1.32	-0.03
64	184	700.00	-121.99	50.98	-2.90	-193.16	0.61	-0.01
64	197	340.00	-10.85	90.39	-4.95	-121.07	0.66	0.11
64	197	392.50	-10.85	90.39	-4.95	-120.00	0.77	0.09
64	197	445.00	-20.18	84.35	-1.78	-88.84	-0.95	0.07
64	197	497.50	-23.83	71.26	-0.86	-46.14	-1.64	0.04
64	197	550.00	-14.05	62.34	-0.37	-21.56	-1.97	0.02
64	197	600.00	-20.34	69.78	0.58	-36.52	-1.93	-0.02
64	197	650.00	-24.55	63.11	-0.31	-40.32	-1.88	-0.02
64	197	700.00	-23.13	56.21	4.27	-41.51	-1.21	-0.02
64	198	340.00	-308.25	-86.28	5.39	-219.21	-1.02	-0.11
64	198	392.50	-308.25	-86.28	5.39	-218.13	-0.91	-0.10
64	198	445.00	-284.27	-80.39	1.81	-226.42	0.91	-0.07
64	198	497.50	-266.71	-67.33	0.89	-247.89	1.63	-0.05
64	198	550.00	-262.69	-58.36	0.49	-251.49	1.99	-0.02
64	198	600.00	-237.05	-78.39	-0.17	-234.73	2.05	0.01
64	198	650.00	-216.12	-74.72	1.86	-231.23	2.41	0.02
64	198	700.00	-178.63	-65.37	-5.44	-182.15	1.21	0.01
64	209	340.00	-93.49	208.96	-0.45	-452.36	-0.32	0.10
64	209	392.50	-93.49	208.96	-0.45	-451.29	-0.21	0.09
64	209	445.00	-90.10	206.28	-0.13	-337.69	-0.14	0.04
64	209	497.50	-87.16	200.83	-0.16	-215.80	-0.21	0.05
64	209	550.00	-77.31	196.64	-0.10	-110.55	-0.27	0.05
64	209	600.00	-76.05	150.00	0.36	-129.59	-0.20	-3.15e-03
64	209	650.00	-72.59	141.22	-0.35	-143.43	-0.13	-0.02
64	209	700.00	-66.91	106.85	0.87	-155.26	-0.36	-1.19e-03
64	216	340.00	-206.74	144.07	3.45	-490.74	-0.80	-0.10
64	216	392.50	-206.74	144.07	3.45	-489.67	-0.68	-0.12
64	216	445.00	-190.68	145.66	1.24	-389.83	0.53	-0.14
64	216	497.50	-179.89	149.47	0.54	-289.50	0.99	-0.11
64	216	550.00	-171.59	151.69	0.19	-193.96	1.19	-0.08
64	216	600.00	-158.85	95.50	-0.04	-203.57	1.25	-0.03
64	216	650.00	-146.04	90.04	1.27	-214.79	1.51	-0.04
64	216	700.00	-126.30	61.81	-3.31	-209.10	0.71	-0.02
64	229	340.00	13.41	105.08	-5.80	-112.65	0.80	0.13
64	229	392.50	13.41	105.08	-5.80	-111.57	0.91	0.11
64	229	445.00	1.30	98.04	-2.08	-77.26	-1.10	0.08
64	229	497.50	-4.03	82.76	-1.00	-29.73	-1.91	0.05

64	229	550.00	6.33	72.32	-0.44	-2.87	-2.30	0.02
64	229	600.00	-2.66	81.98	0.65	-20.33	-2.26	-0.02
64	229	650.00	-8.96	74.42	-0.48	-24.73	-2.23	-0.03
64	229	700.00	-10.46	66.12	5.07	-29.87	-1.41	-0.02
64	230	340.00	-332.51	-100.97	6.24	-227.63	-1.16	-0.13
64	230	392.50	-332.51	-100.97	6.24	-226.56	-1.04	-0.11
64	230	445.00	-305.74	-94.09	2.11	-238.00	1.07	-0.08
64	230	497.50	-286.51	-78.83	1.03	-264.31	1.90	-0.05
64	230	550.00	-283.07	-68.35	0.56	-270.18	2.31	-0.02
64	230	600.00	-254.74	-90.59	-0.24	-250.93	2.38	0.02
64	230	650.00	-231.70	-86.03	2.03	-246.81	2.76	0.02
64	230	700.00	-191.30	-75.27	-6.24	-193.79	1.41	0.01
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-332.51	-100.97	-6.24	-490.74	-2.30	-0.14
			13.41	208.96	6.24	-2.87	2.76	0.13

Macro	Tipo	Angolo 1-Z (gradi)
65	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
65	4	550.00	-4.39	8.92	-0.03	-2.83	0.0	-3.24e-03
65	4	600.00	-4.39	8.92	-0.03	1.63	-0.01	-6.14e-03
65	4	650.00	-5.55	9.89	-5.86e-03	3.42	-0.02	-7.65e-03
65	4	700.00	-1.29	5.76	0.04	0.37	-1.03e-03	-5.64e-03
65	45	550.00	-1.44	2.38	-3.74e-03	-0.82	0.0	-5.49e-04
65	45	600.00	-1.44	2.38	-3.74e-03	0.38	-1.87e-03	-1.03e-03
65	45	650.00	-1.80	2.60	1.94e-03	0.82	-9.00e-04	-1.35e-03
65	45	700.00	-0.46	1.56	1.11e-03	0.12	2.48e-05	-8.11e-04
65	52	550.00	-4.18	8.61	-0.03	-2.75	0.0	-3.33e-03
65	52	600.00	-4.18	8.61	-0.03	1.55	-0.01	-6.23e-03
65	52	650.00	-5.28	9.53	-3.95e-03	3.27	-0.02	-7.73e-03
65	52	700.00	-1.23	5.55	0.03	0.35	-8.78e-04	-5.52e-03
65	68	550.00	-3.12	6.21	-0.02	-1.97	0.0	-2.25e-03
65	68	600.00	-3.12	6.21	-0.02	1.13	-9.80e-03	-4.26e-03
65	68	650.00	-3.94	6.89	-4.05e-03	2.38	-0.01	-5.30e-03
65	68	700.00	-0.92	4.01	0.03	0.26	-7.14e-04	-3.90e-03
65	85	550.00	-1.65	2.78	-5.91e-03	-0.93	0.0	-7.93e-04
65	85	600.00	-1.65	2.78	-5.91e-03	0.46	-2.96e-03	-1.49e-03
65	85	650.00	-2.07	3.06	7.12e-04	1.00	-2.60e-03	-1.89e-03
65	85	700.00	-0.51	1.82	5.04e-03	0.13	-1.00e-04	-1.25e-03
65	92	550.00	-2.98	6.01	-0.02	-1.92	0.0	-2.31e-03
65	92	600.00	-2.98	6.01	-0.02	1.08	-9.17e-03	-4.32e-03
65	92	650.00	-3.76	6.65	-2.77e-03	2.27	-0.01	-5.35e-03
65	92	700.00	-0.88	3.88	0.02	0.25	-6.10e-04	-3.83e-03
65	98	550.00	-2.53	4.90	-0.01	-1.59	0.0	-1.87e-03
65	98	600.00	-2.53	4.90	-0.01	0.86	-7.47e-03	-3.49e-03
65	98	650.00	-3.18	5.41	-2.25e-03	1.82	-8.59e-03	-4.34e-03
65	98	700.00	-0.75	3.12	0.02	0.21	-4.96e-04	-3.10e-03
65	104	550.00	-1.84	3.06	-8.25e-03	-0.99	0.0	-1.04e-03
65	104	600.00	-1.84	3.06	-8.25e-03	0.54	-4.12e-03	-1.95e-03
65	104	650.00	-2.31	3.38	-1.09e-03	1.14	-4.67e-03	-2.42e-03
65	104	700.00	-0.56	2.01	9.92e-03	0.15	-2.63e-04	-1.73e-03
65	106	550.00	-1.89	3.13	-8.83e-03	-1.01	0.0	-1.10e-03
65	106	600.00	-1.89	3.13	-8.83e-03	0.56	-4.41e-03	-2.06e-03
65	106	650.00	-2.37	3.47	-1.54e-03	1.18	-5.19e-03	-2.55e-03
65	106	700.00	-0.57	2.06	0.01	0.15	-3.03e-04	-1.84e-03
65	107	550.00	-2.44	4.65	-0.01	-1.50	0.0	-1.76e-03
65	107	600.00	-2.44	4.65	-0.01	0.82	-7.03e-03	-3.29e-03
65	107	650.00	-3.06	5.14	-2.15e-03	1.73	-8.11e-03	-4.08e-03
65	107	700.00	-0.73	2.97	0.02	0.20	-4.69e-04	-2.92e-03
65	108	550.00	-0.80	41.66	-0.05	-10.77	9.20e-03	-0.03
65	108	600.00	-0.80	41.66	-0.05	-8.45	2.16e-03	-0.03
65	108	650.00	-2.21	44.36	-0.01	-3.50	1.41e-03	-0.04
65	108	700.00	-0.25	26.05	0.06	0.08	-0.01	-0.03
65	120	550.00	-2.06	33.87	-0.02	-8.16	-0.01	-0.03
65	120	600.00	-2.06	33.87	-0.02	-5.84	-0.02	-0.04
65	120	650.00	-2.99	36.01	-0.01	-1.75	0.01	-0.04
65	120	700.00	-0.45	21.33	0.05	0.12	-5.54e-03	-0.03
65	133	550.00	3.45	2.78	-0.29	-6.37	-0.06	9.03e-03
65	133	600.00	3.45	2.78	-0.29	-4.05	-0.07	9.39e-03

65	133	650.00	1.78	3.42	0.02	-1.69	-0.13	0.01
65	133	700.00	-0.19	1.32	0.15	0.09	-0.03	0.01
65	134	550.00	-8.33	6.52	0.26	3.36	0.06	-0.01
65	134	600.00	-8.33	6.52	0.26	5.68	0.06	-0.02
65	134	650.00	-7.90	6.85	-0.03	5.15	0.12	-0.02
65	134	700.00	-1.26	4.62	-0.11	0.31	0.03	-0.02
65	140	550.00	-0.59	46.34	-0.06	-11.94	0.01	-0.03
65	140	600.00	-0.59	46.34	-0.06	-9.62	3.31e-03	-0.04
65	140	650.00	-2.11	49.31	-0.01	-4.17	2.59e-03	-0.05
65	140	700.00	-0.19	28.96	0.07	0.07	-0.01	-0.04
65	152	550.00	-2.03	37.61	-0.02	-9.02	-0.01	-0.04
65	152	600.00	-2.03	37.61	-0.02	-6.70	-0.02	-0.04
65	152	650.00	-3.00	39.97	-0.02	-2.20	0.02	-0.05
65	152	700.00	-0.41	23.67	0.05	0.11	-6.05e-03	-0.04
65	165	550.00	4.19	2.55	-0.33	-6.97	-0.07	0.01
65	165	600.00	4.19	2.55	-0.33	-4.65	-0.08	0.01
65	165	650.00	2.39	3.20	0.02	-2.12	-0.15	0.02
65	165	700.00	-0.13	1.12	0.16	0.08	-0.04	0.01
65	166	550.00	-9.07	6.75	0.30	3.97	0.07	-0.01
65	166	600.00	-9.07	6.75	0.30	6.29	0.06	-0.02
65	166	650.00	-8.51	7.07	-0.03	5.57	0.13	-0.02
65	166	700.00	-1.33	4.82	-0.13	0.32	0.03	-0.02
65	172	550.00	-0.70	45.85	-0.05	-11.82	0.01	-0.03
65	172	600.00	-0.70	45.85	-0.05	-9.50	3.49e-03	-0.04
65	172	650.00	-2.20	48.81	-0.01	-4.09	3.06e-03	-0.05
65	172	700.00	-0.20	28.62	0.06	0.07	-0.01	-0.04
65	184	550.00	-2.19	37.73	-9.32e-03	-9.06	-0.01	-0.04
65	184	600.00	-2.19	37.73	-9.32e-03	-6.74	-0.02	-0.04
65	184	650.00	-3.16	40.12	-0.02	-2.20	0.02	-0.05
65	184	700.00	-0.42	23.66	0.05	0.11	-4.66e-03	-0.04
65	197	550.00	4.09	2.57	-0.32	-6.87	-0.07	0.01
65	197	600.00	4.09	2.57	-0.32	-4.54	-0.08	0.01
65	197	650.00	2.30	3.21	0.02	-2.03	-0.15	0.02
65	197	700.00	-0.14	1.15	0.16	0.08	-0.03	0.01
65	198	550.00	-8.97	6.73	0.29	3.86	0.07	-0.01
65	198	600.00	-8.97	6.73	0.29	6.18	0.06	-0.02
65	198	650.00	-8.43	7.06	-0.03	5.49	0.13	-0.02
65	198	700.00	-1.32	4.79	-0.12	0.32	0.03	-0.02
65	204	550.00	-0.46	52.80	-0.06	-13.55	0.01	-0.04
65	204	600.00	-0.46	52.80	-0.06	-11.23	5.43e-03	-0.04
65	204	650.00	-2.11	56.18	-0.01	-5.06	5.25e-03	-0.05
65	204	700.00	-0.11	32.92	0.07	0.05	-0.01	-0.04
65	216	550.00	-2.19	44.10	-6.40e-03	-10.56	-0.01	-0.04
65	216	600.00	-2.19	44.10	-6.40e-03	-8.23	-0.02	-0.05
65	216	650.00	-3.22	46.88	-0.02	-2.97	0.02	-0.06
65	216	700.00	-0.36	27.61	0.05	0.09	-4.95e-03	-0.05
65	229	550.00	5.17	2.21	-0.37	-7.72	-0.08	0.01
65	229	600.00	5.17	2.21	-0.37	-5.40	-0.09	0.01
65	229	650.00	3.18	2.87	0.03	-2.63	-0.17	0.02
65	229	700.00	-0.05	0.86	0.18	0.06	-0.04	0.02
65	230	550.00	-10.05	7.09	0.34	4.72	0.08	-0.02
65	230	600.00	-10.05	7.09	0.34	7.04	0.08	-0.02
65	230	650.00	-9.31	7.40	-0.03	6.09	0.15	-0.03
65	230	700.00	-1.41	5.08	-0.15	0.34	0.04	-0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-10.05	0.86	-0.37	-13.55	-0.17	-0.06
	5.17	56.18	0.34	7.04	0.15	0.02

Macro	Tipo	Angolo 1-Z (gradi)
66	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
66	4	340.00	-280.23	-1.84	0.55	-312.33	-0.43	-0.01
66	4	392.50	-280.23	-1.84	0.55	-313.31	-0.14	8.07e-03
66	4	445.00	-267.96	-2.04	0.07	-290.44	-3.80e-03	2.57e-03
66	4	497.50	-255.72	-2.08	0.04	-267.68	0.02	1.79e-03
66	4	550.00	-243.85	-2.19	0.08	-245.93	0.05	3.72e-04
66	4	600.00	-221.97	-16.67	0.28	-238.20	0.10	8.00e-03
66	4	650.00	-204.28	-18.19	1.38	-236.31	0.43	3.16e-03
66	4	700.00	-173.02	-9.97	-0.96	-202.47	0.0	-0.02

66	18	340.00	-255.15	-1.49	0.60	-281.45	-0.45	-0.01
66	18	392.50	-255.15	-1.49	0.60	-282.24	-0.13	0.01
66	18	445.00	-243.34	-1.67	0.09	-260.41	0.03	4.41e-03
66	18	497.50	-231.80	-1.70	0.04	-239.28	0.06	2.53e-03
66	18	550.00	-220.62	-1.79	0.07	-219.18	0.08	2.78e-04
66	18	600.00	-200.47	-14.49	0.24	-211.43	0.12	5.84e-03
66	18	650.00	-184.13	-15.83	1.27	-208.90	0.42	4.35e-05
66	18	700.00	-156.00	-8.75	-0.94	-178.84	0.0	-0.02
66	45	340.00	-89.86	1.19	-0.08	-68.26	0.04	-1.17e-03
66	45	392.50	-89.86	1.19	-0.08	-67.64	-3.46e-03	-3.11e-03
66	45	445.00	-86.67	1.14	-0.03	-65.26	-0.03	-3.00e-03
66	45	497.50	-82.94	1.13	-0.01	-61.44	-0.04	-1.89e-03
66	45	550.00	-79.24	1.09	5.20e-03	-57.70	-0.04	-1.24e-03
66	45	600.00	-72.36	-2.84	0.04	-58.45	-0.03	2.22e-03
66	45	650.00	-66.82	-3.25	0.12	-60.62	7.24e-03	4.01e-03
66	45	700.00	-56.86	-1.55	-0.02	-52.51	0.0	1.94e-03
66	68	340.00	-197.45	-1.10	0.38	-216.24	-0.30	-9.21e-03
66	68	392.50	-197.45	-1.10	0.38	-216.83	-0.10	5.49e-03
66	68	445.00	-188.74	-1.24	0.05	-200.99	-2.98e-03	1.66e-03
66	68	497.50	-180.03	-1.27	0.03	-185.19	0.02	1.13e-03
66	68	550.00	-171.57	-1.35	0.05	-170.09	0.03	1.81e-04
66	68	600.00	-156.10	-11.39	0.19	-164.78	0.07	5.50e-03
66	68	650.00	-143.57	-12.44	0.95	-163.51	0.29	2.19e-03
66	68	700.00	-121.60	-6.79	-0.66	-140.06	0.0	-0.01
66	75	340.00	-180.73	-0.87	0.42	-195.65	-0.31	-8.02e-03
66	75	392.50	-180.73	-0.87	0.42	-196.11	-0.09	7.18e-03
66	75	445.00	-172.33	-1.00	0.06	-180.97	0.02	2.88e-03
66	75	497.50	-164.08	-1.02	0.03	-166.26	0.04	1.62e-03
66	75	550.00	-156.08	-1.08	0.05	-152.25	0.06	1.18e-04
66	75	600.00	-141.77	-9.94	0.17	-146.93	0.08	4.06e-03
66	75	650.00	-130.13	-10.87	0.88	-145.23	0.29	1.09e-04
66	75	700.00	-110.25	-5.99	-0.65	-124.31	0.0	-0.01
66	85	340.00	-101.33	0.89	-2.29e-03	-84.93	-0.02	-2.56e-03
66	85	392.50	-101.33	0.89	-2.29e-03	-84.47	-0.02	-1.59e-03
66	85	445.00	-97.37	0.83	-0.01	-80.19	-0.02	-2.12e-03
66	85	497.50	-92.99	0.82	-4.85e-03	-74.82	-0.03	-1.33e-03
66	85	550.00	-88.67	0.78	0.01	-69.61	-0.03	-9.13e-04
66	85	600.00	-80.80	-3.72	0.06	-69.33	-0.01	2.55e-03
66	85	650.00	-74.42	-4.18	0.25	-70.72	0.05	3.32e-03
66	85	700.00	-63.26	-2.12	-0.12	-61.00	0.0	-7.38e-04
66	98	340.00	-160.09	-0.45	0.22	-165.43	-0.19	-7.46e-03
66	98	392.50	-160.09	-0.45	0.22	-165.67	-0.07	2.01e-03
66	98	445.00	-153.16	-0.56	0.02	-154.20	-0.02	-3.01e-04
66	98	497.50	-146.04	-0.58	0.01	-142.25	-0.01	1.83e-05
66	98	550.00	-139.08	-0.64	0.04	-130.78	-2.73e-04	-7.27e-05
66	98	600.00	-126.46	-8.60	0.15	-127.27	0.03	4.90e-03
66	98	650.00	-116.19	-9.43	0.71	-126.83	0.20	3.29e-03
66	98	700.00	-98.34	-5.00	-0.46	-108.54	0.0	-8.30e-03
66	103	340.00	-155.20	-0.39	0.24	-159.69	-0.20	-7.07e-03
66	103	392.50	-155.20	-0.39	0.24	-159.91	-0.07	2.91e-03
66	103	445.00	-148.29	-0.50	0.03	-148.46	-0.01	3.19e-04
66	103	497.50	-141.26	-0.52	0.01	-136.74	-2.10e-04	2.84e-04
66	103	550.00	-134.41	-0.58	0.04	-125.49	0.01	-8.56e-05
66	103	600.00	-122.10	-8.17	0.14	-121.88	0.04	4.34e-03
66	103	650.00	-112.07	-8.96	0.69	-121.20	0.20	2.38e-03
66	103	700.00	-94.85	-4.77	-0.46	-103.66	0.0	-9.00e-03
66	104	340.00	-109.49	0.56	0.11	-98.32	-0.10	-4.24e-03
66	104	392.50	-109.49	0.56	0.11	-98.03	-0.04	6.96e-04
66	104	445.00	-104.64	0.50	5.28e-03	-91.56	-0.01	-7.23e-04
66	104	497.50	-99.59	0.49	3.50e-03	-84.56	-9.83e-03	-4.79e-04
66	104	550.00	-94.63	0.45	0.02	-77.83	-5.01e-03	-4.49e-04
66	104	600.00	-85.90	-4.34	0.09	-76.17	0.01	2.64e-03
66	104	650.00	-78.75	-4.83	0.39	-76.32	0.11	1.91e-03
66	104	700.00	-66.83	-2.53	-0.24	-65.47	0.0	-4.39e-03
66	106	340.00	-111.53	0.48	0.14	-101.67	-0.12	-4.66e-03
66	106	392.50	-111.53	0.48	0.14	-101.42	-0.04	1.27e-03
66	106	445.00	-106.46	0.41	0.01	-94.40	-9.52e-03	-3.74e-04
66	106	497.50	-101.24	0.40	5.58e-03	-87.00	-5.68e-03	-2.67e-04
66	106	550.00	-96.12	0.36	0.02	-79.88	2.32e-05	-3.33e-04
66	106	600.00	-87.18	-4.50	0.09	-77.88	0.02	2.66e-03
66	106	650.00	-79.84	-5.00	0.43	-77.72	0.12	1.56e-03
66	106	700.00	-67.72	-2.64	-0.27	-66.59	0.0	-5.30e-03
66	107	340.00	-153.16	-0.31	0.21	-156.32	-0.18	-7.06e-03
66	107	392.50	-153.16	-0.31	0.21	-156.49	-0.07	1.90e-03
66	107	445.00	-146.49	-0.42	0.02	-145.65	-0.02	-3.11e-04

66	107	497.50	-139.64	-0.44	0.01	-134.36	-0.01	-2.24e-05
66	107	550.00	-132.94	-0.50	0.04	-123.51	-2.31e-04	-1.10e-04
66	107	600.00	-120.85	-8.01	0.14	-120.22	0.03	4.58e-03
66	107	650.00	-111.00	-8.80	0.67	-119.81	0.19	3.04e-03
66	107	700.00	-93.96	-4.66	-0.43	-102.55	0.0	-7.87e-03
66	114	340.00	-196.31	-166.17	0.14	17.07	-0.09	-0.10
66	114	392.50	-196.31	-166.17	0.14	16.90	0.02	-0.06
66	114	445.00	-190.05	-165.64	0.32	-58.26	0.24	-0.02
66	114	497.50	-183.49	-160.42	0.20	-136.44	0.36	0.04
66	114	550.00	-177.75	-155.29	0.14	-192.83	0.44	0.07
66	114	600.00	-160.70	-132.69	0.02	-169.29	0.48	0.05
66	114	650.00	-147.39	-130.08	1.28	-151.79	0.77	0.05
66	114	700.00	-123.83	-91.03	-1.80	-119.56	0.37	0.01
66	125	340.00	-25.07	50.99	-4.05	-12.46	0.48	0.01
66	125	392.50	-25.07	50.99	-4.05	-12.63	0.59	0.05
66	125	445.00	-36.41	41.41	-1.63	6.79	-0.95	0.03
66	125	497.50	-40.49	40.60	-0.70	12.66	-1.55	-0.04
66	125	550.00	-35.32	38.02	-0.18	-4.97	-1.79	-0.06
66	125	600.00	-42.29	32.12	0.59	-19.63	-1.72	-0.06
66	125	650.00	-43.61	31.02	-0.02	-21.00	-1.62	-0.06
66	125	700.00	-38.63	8.51	3.51	-15.41	-0.99	-0.04
66	126	340.00	-281.25	-51.62	4.46	-300.19	-0.84	-0.03
66	126	392.50	-281.25	-51.62	4.46	-300.36	-0.73	-0.05
66	126	445.00	-256.56	-42.24	1.67	-298.10	0.91	-0.03
66	126	497.50	-238.78	-41.47	0.72	-281.38	1.53	0.04
66	126	550.00	-230.57	-39.01	0.26	-242.04	1.79	0.06
66	126	600.00	-199.40	-48.15	-0.30	-220.80	1.77	0.07
66	126	650.00	-178.39	-48.61	1.36	-218.62	2.00	0.06
66	126	700.00	-149.29	-17.84	-4.36	-189.69	0.99	0.03
66	146	340.00	-201.76	-187.11	0.13	38.86	-0.08	-0.12
66	146	392.50	-201.76	-187.11	0.13	38.69	0.03	-0.07
66	146	445.00	-195.53	-186.51	0.36	-47.27	0.27	-0.03
66	146	497.50	-189.00	-180.63	0.22	-136.66	0.41	0.05
66	146	550.00	-183.39	-174.84	0.15	-201.60	0.50	0.08
66	146	600.00	-165.72	-148.43	4.84e-03	-175.50	0.53	0.06
66	146	650.00	-151.97	-145.38	1.36	-155.83	0.84	0.05
66	146	700.00	-127.61	-101.93	-1.98	-121.68	0.42	0.01
66	161	340.00	-9.01	46.29	-5.26	23.16	0.74	-0.03
66	161	392.50	-9.01	46.29	-5.26	22.99	0.85	0.02
66	161	445.00	-23.62	35.58	-1.93	36.11	-1.02	8.39e-03
66	161	497.50	-28.88	34.74	-0.79	36.09	-1.74	-0.05
66	161	550.00	-23.59	31.94	-0.22	9.91	-2.01	-0.07
66	161	600.00	-32.65	28.80	0.63	-6.34	-1.92	-0.08
66	161	650.00	-34.64	27.95	-0.12	-4.10	-1.85	-0.07
66	161	700.00	-32.16	4.12	4.00	-2.51	-1.12	-0.05
66	162	340.00	-297.30	-46.92	5.68	-335.81	-1.10	0.02
66	162	392.50	-297.30	-46.92	5.68	-335.98	-0.99	-0.02
66	162	445.00	-269.35	-36.41	1.96	-327.41	0.99	-9.01e-03
66	162	497.50	-250.40	-35.61	0.81	-304.81	1.71	0.05
66	162	550.00	-242.30	-32.93	0.29	-256.93	2.01	0.07
66	162	600.00	-209.04	-44.83	-0.35	-234.10	1.97	0.09
66	162	650.00	-187.36	-45.54	1.46	-235.53	2.23	0.08
66	162	700.00	-155.76	-13.44	-4.86	-202.59	1.12	0.03
66	178	340.00	-202.28	-184.54	0.16	32.18	-0.09	-0.11
66	178	392.50	-202.28	-184.54	0.16	32.01	0.02	-0.07
66	178	445.00	-195.65	-183.94	0.35	-51.80	0.27	-0.02
66	178	497.50	-188.91	-178.14	0.22	-138.26	0.40	0.05
66	178	550.00	-183.42	-172.44	0.15	-202.91	0.49	0.08
66	178	600.00	-165.68	-146.42	0.01	-176.59	0.53	0.05
66	178	650.00	-151.86	-143.38	1.35	-156.89	0.83	0.05
66	178	700.00	-127.77	-100.48	-1.96	-122.14	0.41	0.01
66	193	340.00	-10.53	46.18	-5.18	22.15	0.73	-0.03
66	193	392.50	-10.53	46.18	-5.18	21.98	0.84	0.02
66	193	445.00	-24.85	35.65	-1.89	35.46	-1.00	6.74e-03
66	193	497.50	-29.88	34.82	-0.77	35.05	-1.70	-0.04
66	193	550.00	-24.41	32.07	-0.22	10.21	-1.98	-0.07
66	193	600.00	-33.34	28.70	0.62	-6.27	-1.89	-0.08
66	193	650.00	-35.36	27.80	-0.13	-4.67	-1.82	-0.07
66	193	700.00	-32.52	4.31	3.95	-3.16	-1.10	-0.05
66	194	340.00	-295.78	-46.81	5.59	-334.80	-1.09	0.02
66	194	392.50	-295.78	-46.81	5.59	-334.97	-0.98	-0.02
66	194	445.00	-268.12	-36.48	1.93	-326.77	0.97	-7.36e-03
66	194	497.50	-249.40	-35.70	0.80	-303.77	1.68	0.04
66	194	550.00	-241.48	-33.06	0.29	-257.23	1.98	0.07
66	194	600.00	-208.35	-44.72	-0.34	-234.16	1.94	0.09

66	194	650.00	-186.64	-45.39	1.47	-234.95	2.20	0.08
66	194	700.00	-155.41	-13.64	-4.81	-201.93	1.10	0.03
66	210	340.00	-211.07	-215.40	0.17	61.67	-0.07	-0.13
66	210	392.50	-211.07	-215.40	0.17	61.50	0.04	-0.08
66	210	445.00	-204.27	-214.68	0.41	-37.79	0.32	-0.03
66	210	497.50	-197.41	-207.92	0.25	-139.75	0.47	0.05
66	210	550.00	-192.21	-201.26	0.17	-217.41	0.57	0.09
66	210	600.00	-173.45	-169.56	-0.01	-186.98	0.61	0.06
66	210	650.00	-158.90	-165.84	1.47	-163.89	0.94	0.06
66	210	700.00	-133.73	-116.48	-2.22	-125.87	0.48	0.02
66	225	340.00	13.21	55.01	-6.06	50.54	0.89	-0.04
66	225	392.50	13.21	55.01	-6.06	50.37	0.99	0.02
66	225	445.00	-4.52	42.76	-2.20	65.06	-1.16	6.86e-03
66	225	497.50	-11.43	41.81	-0.90	63.17	-1.98	-0.05
66	225	550.00	-6.02	38.62	-0.26	33.50	-2.30	-0.08
66	225	600.00	-18.48	35.67	0.70	13.40	-2.20	-0.09
66	225	650.00	-22.55	34.71	-0.27	14.85	-2.15	-0.09
66	225	700.00	-22.01	6.46	4.67	13.60	-1.28	-0.06
66	226	340.00	-319.53	-55.63	6.48	-363.18	-1.24	0.02
66	226	392.50	-319.53	-55.63	6.48	-363.35	-1.13	-0.02
66	226	445.00	-288.45	-43.59	2.24	-356.37	1.13	-7.49e-03
66	226	497.50	-267.84	-42.69	0.92	-331.89	1.96	0.05
66	226	550.00	-259.87	-39.61	0.33	-280.51	2.30	0.08
66	226	600.00	-223.21	-51.69	-0.41	-253.84	2.25	0.10
66	226	650.00	-199.45	-52.30	1.61	-254.47	2.53	0.09
66	226	700.00	-165.91	-15.79	-5.53	-218.70	1.28	0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-319.53	-215.40	-6.06	-363.35	-2.30	-0.13
	13.21	55.01	6.48	65.06	2.53	0.10

Macro	Tipo	Angolo 1-Z (gradi)
67	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
67	4	550.00	-6.75	13.08	0.04	-3.50	0.0	-4.80e-04
67	4	600.00	-6.75	13.08	0.04	3.03	0.02	2.06e-03
67	4	650.00	-9.53	14.28	6.83e-04	6.01	0.02	5.65e-03
67	4	700.00	-1.89	12.73	-0.05	0.65	1.29e-03	4.92e-03
67	18	550.00	-6.14	11.49	0.04	-3.05	0.0	5.84e-04
67	18	600.00	-6.14	11.49	0.04	2.70	0.02	3.67e-03
67	18	650.00	-8.65	12.55	2.26e-04	5.33	0.02	7.29e-03
67	18	700.00	-1.73	11.20	-0.05	0.59	1.28e-03	5.86e-03
67	45	550.00	-2.24	3.66	-3.05e-03	-1.03	0.0	-1.03e-03
67	45	600.00	-2.24	3.66	-3.05e-03	0.80	-1.52e-03	-1.63e-03
67	45	650.00	-3.07	4.01	9.54e-04	1.62	-1.05e-03	-1.76e-03
67	45	700.00	-0.66	3.42	1.35e-03	0.21	1.37e-05	-1.07e-03
67	68	550.00	-4.75	9.08	0.03	-2.43	0.0	-3.53e-04
67	68	600.00	-4.75	9.08	0.03	2.10	0.01	1.38e-03
67	68	650.00	-6.69	9.91	4.84e-04	4.16	0.01	3.85e-03
67	68	700.00	-1.33	8.82	-0.03	0.46	8.89e-04	3.36e-03
67	75	550.00	-4.35	8.03	0.03	-2.13	0.0	3.56e-04
67	75	600.00	-4.35	8.03	0.03	1.88	0.01	2.45e-03
67	75	650.00	-6.11	8.76	1.79e-04	3.71	0.01	4.94e-03
67	75	700.00	-1.23	7.81	-0.03	0.41	8.82e-04	3.99e-03
67	85	550.00	-2.50	4.16	1.93e-03	-1.15	0.0	-8.86e-04
67	85	600.00	-2.50	4.16	1.93e-03	0.93	9.66e-04	-1.10e-03
67	85	650.00	-3.45	4.55	7.81e-04	1.87	1.36e-03	-8.20e-04
67	85	700.00	-0.73	3.93	-3.67e-03	0.23	1.45e-04	-3.36e-04
67	98	550.00	-3.83	7.20	0.02	-1.97	0.0	-9.07e-04
67	98	600.00	-3.83	7.20	0.02	1.63	8.70e-03	-1.07e-04
67	98	650.00	-5.35	7.86	6.27e-04	3.24	9.01e-03	1.51e-03
67	98	700.00	-1.08	6.94	-0.02	0.36	5.95e-04	1.63e-03
67	103	550.00	-3.71	6.87	0.02	-1.87	0.0	-5.81e-04
67	103	600.00	-3.71	6.87	0.02	1.56	9.24e-03	4.23e-04
67	103	650.00	-5.17	7.49	4.92e-04	3.10	9.49e-03	2.10e-03
67	103	700.00	-1.05	6.62	-0.02	0.35	6.09e-04	1.99e-03
67	104	550.00	-2.66	4.40	8.51e-03	-1.19	0.0	-5.77e-04
67	104	600.00	-2.66	4.40	8.51e-03	1.00	4.26e-03	-2.34e-04
67	104	650.00	-3.67	4.81	4.55e-04	2.00	4.48e-03	5.79e-04
67	104	700.00	-0.77	4.19	-0.01	0.25	3.07e-04	7.16e-04

67	106	550.00	-2.70	4.46	0.01	-1.21	0.0	-5.00e-04
67	106	600.00	-2.70	4.46	0.01	1.02	5.08e-03	-1.72e-05
67	106	650.00	-3.73	4.87	3.74e-04	2.04	5.27e-03	9.28e-04
67	106	700.00	-0.78	4.26	-0.01	0.25	3.47e-04	9.80e-04
67	107	550.00	-3.67	6.81	0.02	-1.86	0.0	-8.49e-04
67	107	600.00	-3.67	6.81	0.02	1.54	8.18e-03	-9.45e-05
67	107	650.00	-5.12	7.43	5.90e-04	3.07	8.47e-03	1.43e-03
67	107	700.00	-1.04	6.56	-0.02	0.35	5.60e-04	1.54e-03
67	108	550.00	-4.63	48.68	0.06	-10.71	7.04e-03	-0.02
67	108	600.00	-4.63	48.68	0.06	-7.31	0.02	-0.02
67	108	650.00	-6.01	52.98	-0.01	-1.63	0.03	-0.03
67	108	700.00	-0.53	31.25	-0.02	0.24	2.62e-03	-0.02
67	126	550.00	-7.55	11.96	0.27	0.07	0.06	-0.02
67	126	600.00	-7.55	11.96	0.27	3.48	0.07	-0.02
67	126	650.00	-9.44	13.01	-0.03	3.79	0.13	-0.02
67	126	700.00	-1.35	10.26	-0.14	0.42	0.03	-0.01
67	133	550.00	0.92	4.13	-0.28	-5.56	-0.07	0.02
67	133	600.00	0.92	4.13	-0.28	-2.16	-0.07	0.02
67	133	650.00	-1.60	4.40	0.03	0.77	-0.13	0.02
67	133	700.00	-0.38	5.49	0.14	0.29	-0.04	0.01
67	139	550.00	0.85	-15.64	-0.26	-0.92	-0.07	0.03
67	139	600.00	0.85	-15.64	-0.26	2.49	-0.06	0.03
67	139	650.00	-1.76	-17.10	0.03	3.19	-0.12	0.03
67	139	700.00	-0.67	-6.09	0.12	0.35	-0.03	0.02
67	140	550.00	-4.75	53.96	0.06	-11.83	7.91e-03	-0.03
67	140	600.00	-4.75	53.96	0.06	-8.43	0.02	-0.03
67	140	650.00	-6.13	58.73	-0.01	-2.22	0.03	-0.03
67	140	700.00	-0.47	34.37	-0.02	0.23	2.88e-03	-0.02
67	158	550.00	-8.03	12.59	0.30	0.32	0.07	-0.02
67	158	600.00	-8.03	12.59	0.30	3.72	0.08	-0.02
67	158	650.00	-9.98	13.69	-0.03	3.89	0.14	-0.02
67	158	700.00	-1.39	10.72	-0.16	0.43	0.03	-0.01
67	165	550.00	1.49	3.80	-0.31	-6.02	-0.08	0.02
67	165	600.00	1.49	3.80	-0.31	-2.62	-0.08	0.02
67	165	650.00	-1.16	4.03	0.03	0.48	-0.15	0.02
67	165	700.00	-0.30	5.36	0.15	0.28	-0.04	0.02
67	171	550.00	1.42	-18.48	-0.29	-0.79	-0.08	0.03
67	171	600.00	1.42	-18.48	-0.29	2.62	-0.07	0.03
67	171	650.00	-1.34	-20.21	0.03	3.21	-0.14	0.04
67	171	700.00	-0.63	-7.69	0.13	0.35	-0.04	0.03
67	172	550.00	-4.77	53.33	0.06	-11.72	8.21e-03	-0.03
67	172	600.00	-4.77	53.33	0.06	-8.32	0.02	-0.03
67	172	650.00	-6.14	58.02	-0.01	-2.17	0.03	-0.03
67	172	700.00	-0.48	34.00	-0.02	0.23	3.18e-03	-0.02
67	190	550.00	-7.96	12.46	0.29	0.30	0.07	-0.02
67	190	600.00	-7.96	12.46	0.29	3.70	0.08	-0.02
67	190	650.00	-9.92	13.55	-0.03	3.88	0.14	-0.02
67	190	700.00	-1.39	10.62	-0.15	0.43	0.03	-0.01
67	197	550.00	1.43	3.85	-0.31	-5.96	-0.08	0.02
67	197	600.00	1.43	3.85	-0.31	-2.55	-0.07	0.02
67	197	650.00	-1.21	4.09	0.03	0.52	-0.15	0.02
67	197	700.00	-0.31	5.38	0.15	0.28	-0.04	0.02
67	203	550.00	1.38	-18.28	-0.29	-0.74	-0.08	0.03
67	203	600.00	1.38	-18.28	-0.29	2.67	-0.07	0.03
67	203	650.00	-1.37	-19.96	0.03	3.26	-0.14	0.04
67	203	700.00	-0.64	-7.59	0.13	0.35	-0.04	0.03
67	204	550.00	-4.97	61.13	0.07	-13.39	9.75e-03	-0.03
67	204	600.00	-4.97	61.13	0.07	-9.99	0.02	-0.03
67	204	650.00	-6.33	66.49	-0.02	-3.06	0.04	-0.03
67	204	700.00	-0.38	38.60	-0.03	0.21	3.79e-03	-0.02
67	222	550.00	-8.68	13.33	0.34	0.68	0.08	-0.02
67	222	600.00	-8.68	13.33	0.34	4.08	0.09	-0.02
67	222	650.00	-10.73	14.49	-0.03	4.03	0.16	-0.02
67	222	700.00	-1.45	11.25	-0.17	0.44	0.04	-0.01
67	229	550.00	2.27	3.37	-0.36	-6.62	-0.10	0.03
67	229	600.00	2.27	3.37	-0.36	-3.22	-0.09	0.03
67	229	650.00	-0.56	3.55	0.03	0.11	-0.17	0.03
67	229	700.00	-0.19	5.17	0.18	0.27	-0.05	0.02
67	235	550.00	2.23	-22.74	-0.34	-0.45	-0.09	0.04
67	235	600.00	2.23	-22.74	-0.34	2.95	-0.08	0.04
67	235	650.00	-0.73	-24.82	0.04	3.35	-0.16	0.04
67	235	700.00	-0.58	-10.12	0.16	0.36	-0.04	0.03

M_S

N memb.
-10.73V memb.
-24.82V orto
-0.36M memb.
-13.39M orto
-0.17T
-0.03

2.27 66.49 0.34 6.01 0.16 0.04

Macro	Tipo	Angolo 1-Z (gradi)
68	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
68	4	340.00	-198.54	2.19	0.24	-139.66	-0.18	-0.04
68	4	392.50	-198.54	2.19	0.24	-138.51	-0.06	5.76e-03
68	4	445.00	-189.50	2.09	0.03	-120.04	-8.28e-03	-4.02e-04
68	4	497.50	-181.57	2.12	8.60e-03	-104.91	1.34e-03	5.52e-04
68	4	550.00	-173.50	2.22	-0.01	-89.32	1.15e-05	1.38e-03
68	4	600.00	-157.44	-7.24	-0.02	-102.91	-0.02	4.22e-03
68	4	650.00	-142.09	-8.24	0.22	-110.37	0.01	0.02
68	4	700.00	-126.25	6.86	-0.04	-116.94	0.0	-9.99e-04
68	18	340.00	-185.27	1.62	0.28	-132.13	-0.20	-0.04
68	18	392.50	-185.27	1.62	0.28	-131.28	-0.06	8.35e-03
68	18	445.00	-176.25	1.52	0.03	-113.13	4.97e-04	7.56e-04
68	18	497.50	-168.46	1.55	0.01	-98.74	0.01	1.44e-03
68	18	550.00	-160.56	1.64	-8.34e-03	-83.98	0.01	1.87e-03
68	18	600.00	-145.58	-6.69	-6.93e-03	-95.24	1.84e-03	4.39e-03
68	18	650.00	-131.22	-7.60	0.26	-100.80	0.04	0.02
68	18	700.00	-116.55	5.75	-0.10	-106.11	0.0	-5.24e-03
68	45	340.00	-64.18	3.08	-0.07	-15.49	0.05	9.66e-03
68	45	392.50	-64.18	3.08	-0.07	-13.87	0.01	-5.57e-03
68	45	445.00	-61.80	3.07	-8.56e-03	-12.79	1.52e-04	-2.76e-03
68	45	497.50	-59.10	3.08	-0.01	-10.74	-5.23e-03	-2.77e-03
68	45	550.00	-56.34	3.10	-0.01	-8.48	-0.01	-2.38e-03
68	45	600.00	-51.14	0.63	-0.03	-14.82	-0.02	-2.08e-03
68	45	650.00	-46.46	0.42	-0.10	-19.74	-0.04	-1.53e-03
68	45	700.00	-40.78	3.10	0.10	-22.48	0.0	6.89e-03
68	68	340.00	-140.88	1.68	0.16	-96.52	-0.13	-0.03
68	68	392.50	-140.88	1.68	0.16	-95.64	-0.04	3.86e-03
68	68	445.00	-134.40	1.61	0.02	-82.83	-5.43e-03	-3.82e-04
68	68	497.50	-128.66	1.63	5.51e-03	-72.31	9.92e-04	2.70e-04
68	68	550.00	-122.83	1.70	-9.47e-03	-61.46	-1.20e-04	8.47e-04
68	68	600.00	-111.42	-4.86	-0.01	-71.00	-0.01	2.82e-03
68	68	650.00	-100.52	-5.55	0.15	-76.23	7.06e-03	0.01
68	68	700.00	-89.25	4.84	-0.03	-80.79	0.0	-7.38e-04
68	75	340.00	-132.04	1.30	0.19	-91.50	-0.14	-0.03
68	75	392.50	-132.04	1.30	0.19	-90.82	-0.04	5.59e-03
68	75	445.00	-125.56	1.23	0.02	-78.23	4.25e-04	3.90e-04
68	75	497.50	-119.92	1.25	8.60e-03	-68.19	8.81e-03	8.62e-04
68	75	550.00	-114.21	1.32	-6.18e-03	-57.90	9.24e-03	1.18e-03
68	75	600.00	-103.51	-4.49	-5.04e-03	-65.88	6.78e-04	2.93e-03
68	75	650.00	-93.27	-5.12	0.18	-69.85	0.02	0.01
68	75	700.00	-82.78	4.10	-0.07	-73.57	0.0	-3.56e-03
68	85	340.00	-73.50	2.70	-0.03	-26.94	0.02	2.42e-03
68	85	392.50	-73.50	2.70	-0.03	-25.53	2.52e-03	-3.55e-03
68	85	445.00	-70.45	2.69	-4.14e-03	-22.62	-1.08e-03	-2.21e-03
68	85	497.50	-67.29	2.69	-7.46e-03	-19.36	-4.31e-03	-2.09e-03
68	85	550.00	-64.06	2.72	-0.01	-15.90	-9.23e-03	-1.69e-03
68	85	600.00	-58.11	-0.14	-0.02	-22.18	-0.02	-1.11e-03
68	85	650.00	-52.64	-0.41	-0.05	-26.65	-0.03	1.09e-03
68	85	700.00	-46.33	3.11	0.06	-29.38	0.0	4.70e-03
68	98	340.00	-114.71	1.96	0.09	-69.84	-0.07	-0.02
68	98	392.50	-114.71	1.96	0.09	-68.81	-0.03	8.08e-04
68	98	445.00	-109.51	1.91	6.66e-03	-59.76	-7.58e-03	-1.24e-03
68	98	497.50	-104.72	1.92	-4.77e-04	-51.95	-5.74e-03	-6.66e-04
68	98	550.00	-99.84	1.98	-0.01	-43.86	-8.54e-03	-2.51e-05
68	98	600.00	-90.46	-3.20	-0.01	-52.09	-0.02	1.54e-03
68	98	650.00	-81.58	-3.73	0.08	-56.95	-0.01	9.41e-03
68	98	700.00	-72.22	4.26	0.01	-60.86	0.0	1.86e-03
68	103	340.00	-112.47	1.78	0.10	-69.25	-0.08	-0.02
68	103	392.50	-112.47	1.78	0.10	-68.32	-0.03	1.70e-03
68	103	445.00	-107.20	1.72	9.02e-03	-59.14	-5.03e-03	-8.68e-04
68	103	497.50	-102.39	1.74	1.11e-03	-51.38	-2.13e-03	-3.65e-04
68	103	550.00	-97.50	1.79	-9.05e-03	-43.35	-4.22e-03	1.64e-04
68	103	600.00	-88.31	-3.16	-0.01	-51.00	-0.01	1.66e-03
68	103	650.00	-79.58	-3.67	0.10	-55.36	-2.57e-03	9.48e-03
68	103	700.00	-70.43	3.99	-5.74e-03	-58.96	0.0	5.74e-04
68	104	340.00	-81.96	2.04	0.04	-39.73	-0.03	-7.95e-03

68	104	392.50	-81.96	2.04	0.04	-38.66	-0.01	-4.05e-04
68	104	445.00	-78.06	2.01	2.32e-03	-33.49	-2.08e-03	-1.27e-03
68	104	497.50	-74.32	2.02	-2.36e-03	-28.85	-2.10e-03	-1.01e-03
68	104	550.00	-70.53	2.05	-7.66e-03	-24.02	-4.70e-03	-6.30e-04
68	104	600.00	-63.86	-1.05	-9.46e-03	-29.60	-0.01	2.61e-04
68	104	650.00	-57.60	-1.36	0.04	-33.00	-7.39e-03	4.50e-03
68	104	700.00	-50.78	2.86	0.01	-35.40	0.0	9.88e-04
68	106	340.00	-84.08	1.87	0.06	-42.93	-0.05	-0.01
68	106	392.50	-84.08	1.87	0.06	-41.95	-0.01	3.82e-04
68	106	445.00	-79.96	1.84	3.94e-03	-36.21	-2.33e-03	-1.03e-03
68	106	497.50	-76.08	1.85	-1.09e-03	-31.22	-1.54e-03	-7.41e-04
68	106	550.00	-72.15	1.88	-6.52e-03	-26.05	-3.57e-03	-3.65e-04
68	106	600.00	-65.29	-1.28	-6.26e-03	-31.46	-8.66e-03	6.04e-04
68	106	650.00	-58.84	-1.60	0.06	-34.59	-1.65e-03	5.35e-03
68	106	700.00	-51.89	2.80	-3.30e-03	-36.91	0.0	6.14e-05
68	107	340.00	-110.33	1.95	0.08	-65.99	-0.07	-0.02
68	107	392.50	-110.33	1.95	0.08	-64.97	-0.02	7.47e-04
68	107	445.00	-105.29	1.90	6.27e-03	-56.39	-6.83e-03	-1.21e-03
68	107	497.50	-100.63	1.91	-5.65e-04	-48.99	-5.14e-03	-6.77e-04
68	107	550.00	-95.88	1.96	-9.86e-03	-41.31	-7.83e-03	-7.37e-05
68	107	600.00	-86.87	-2.93	-0.01	-49.14	-0.02	1.40e-03
68	107	650.00	-78.33	-3.43	0.08	-53.76	-9.08e-03	8.83e-03
68	107	700.00	-69.31	4.05	8.92e-03	-57.44	0.0	1.60e-03
68	113	340.00	-120.62	162.39	0.90	-342.20	-0.29	0.01
68	113	392.50	-120.62	162.39	0.90	-341.18	-0.25	0.08
68	113	445.00	-121.06	161.81	3.80e-03	-264.04	-0.01	0.07
68	113	497.50	-123.30	156.92	-0.20	-192.50	-0.13	0.05
68	113	550.00	-122.98	152.43	-0.14	-132.49	-0.18	0.03
68	113	600.00	-107.90	130.57	0.16	-129.53	-0.02	0.02
68	113	650.00	-95.76	117.48	-0.60	-128.17	0.03	0.03
68	113	700.00	-72.61	85.84	0.73	-91.45	-0.25	0.08
68	124	340.00	-262.28	13.42	5.08	-408.19	-0.49	-0.18
68	124	392.50	-262.28	13.42	5.08	-407.17	-0.45	-0.03
68	124	445.00	-240.13	32.01	1.88	-363.54	1.37	-3.84e-03
68	124	497.50	-227.88	43.93	0.85	-302.45	2.06	0.03
68	124	550.00	-223.34	49.55	0.10	-225.48	2.33	0.05
68	124	600.00	-194.87	21.59	-0.72	-228.75	2.24	0.08
68	124	650.00	-170.74	28.72	-0.71	-225.31	1.92	0.10
68	124	700.00	-146.20	57.58	-3.33	-207.46	0.81	0.04
68	127	340.00	41.62	-9.53	-4.91	276.20	0.36	0.15
68	127	392.50	41.62	-9.53	-4.91	277.22	0.40	0.03
68	127	445.00	29.55	-28.21	-1.86	250.76	-1.38	1.42e-03
68	127	497.50	26.62	-40.10	-0.85	204.47	-2.07	-0.03
68	127	550.00	31.58	-45.63	-0.12	142.85	-2.35	-0.05
68	127	600.00	21.13	-27.45	0.69	130.47	-2.27	-0.07
68	127	650.00	14.07	-35.57	0.87	117.80	-1.94	-0.08
68	127	700.00	7.57	-49.47	3.35	92.59	-0.81	-0.04
68	130	340.00	-242.30	-63.02	3.52	-245.05	-0.75	-0.20
68	130	392.50	-242.30	-63.02	3.52	-244.03	-0.71	-0.04
68	130	445.00	-218.97	-44.20	1.79	-236.97	1.17	-2.82e-03
68	130	497.50	-204.10	-32.00	0.85	-209.97	1.81	0.03
68	130	550.00	-196.74	-26.08	0.16	-164.01	2.07	0.06
68	130	600.00	-178.80	-42.22	-0.71	-189.71	2.00	0.09
68	130	650.00	-156.11	-30.81	-0.22	-183.75	1.73	0.11
68	130	700.00	-145.18	11.88	-3.37	-198.33	0.84	0.03
68	145	340.00	-121.87	182.65	1.00	-376.88	-0.32	0.01
68	145	392.50	-121.87	182.65	1.00	-375.86	-0.27	0.09
68	145	445.00	-123.01	182.00	4.21e-03	-290.08	-0.01	0.07
68	145	497.50	-126.11	176.50	-0.22	-210.50	-0.15	0.06
68	145	550.00	-126.36	171.43	-0.15	-143.88	-0.20	0.03
68	145	600.00	-110.52	147.42	0.18	-139.59	-0.02	0.02
68	145	650.00	-97.94	132.75	-0.68	-137.50	0.03	0.04
68	145	700.00	-73.03	96.17	0.82	-95.82	-0.28	0.09
68	156	340.00	-281.24	14.89	5.70	-450.88	-0.55	-0.21
68	156	392.50	-281.24	14.89	5.70	-449.86	-0.50	-0.03
68	156	445.00	-256.96	35.81	2.11	-401.84	1.54	-4.12e-03
68	156	497.50	-243.76	49.21	0.95	-334.05	2.32	0.03
68	156	550.00	-239.27	55.53	0.11	-248.43	2.63	0.05
68	156	600.00	-208.37	24.67	-0.80	-251.15	2.52	0.09
68	156	650.00	-182.29	32.74	-0.81	-246.73	2.17	0.11
68	156	700.00	-155.82	64.28	-3.75	-226.24	0.92	0.04
68	159	340.00	60.58	-10.99	-5.54	318.89	0.41	0.17
68	159	392.50	60.58	-10.99	-5.54	319.91	0.45	0.03
68	159	445.00	46.38	-32.01	-2.10	289.06	-1.55	1.70e-03
68	159	497.50	42.51	-45.38	-0.96	236.07	-2.33	-0.03

68	159	550.00	47.50	-51.60	-0.13	165.80	-2.64	-0.05
68	159	600.00	34.63	-30.52	0.78	152.86	-2.55	-0.08
68	159	650.00	25.63	-39.60	0.97	139.22	-2.18	-0.09
68	159	700.00	17.20	-56.17	3.76	111.37	-0.92	-0.04
68	162	340.00	-258.98	-71.26	3.95	-267.64	-0.84	-0.22
68	162	392.50	-258.98	-71.26	3.95	-266.61	-0.80	-0.04
68	162	445.00	-233.35	-50.08	2.01	-259.76	1.32	-2.95e-03
68	162	497.50	-217.19	-36.36	0.95	-230.30	2.04	0.04
68	162	550.00	-209.47	-29.71	0.18	-179.56	2.33	0.07
68	162	600.00	-190.36	-47.25	-0.79	-207.35	2.25	0.11
68	162	650.00	-165.89	-34.35	-0.25	-200.05	1.95	0.12
68	162	700.00	-154.73	12.79	-3.79	-215.97	0.95	0.03
68	177	340.00	-118.29	180.31	0.93	-364.03	-0.30	0.01
68	177	392.50	-118.29	180.31	0.93	-363.00	-0.26	0.08
68	177	445.00	-119.58	179.66	1.60e-03	-279.02	-0.01	0.07
68	177	497.50	-122.74	174.23	-0.22	-201.53	-0.15	0.06
68	177	550.00	-123.31	169.24	-0.15	-136.55	-0.20	0.03
68	177	600.00	-107.98	145.51	0.18	-133.49	-0.03	0.02
68	177	650.00	-95.98	131.06	-0.67	-132.78	0.03	0.04
68	177	700.00	-72.26	94.81	0.82	-95.09	-0.28	0.09
68	188	340.00	-277.68	14.73	5.61	-442.77	-0.54	-0.20
68	188	392.50	-277.68	14.73	5.61	-441.75	-0.50	-0.03
68	188	445.00	-253.76	35.32	2.08	-394.58	1.51	-3.96e-03
68	188	497.50	-240.87	48.47	0.95	-327.81	2.29	0.03
68	188	550.00	-236.49	54.65	0.12	-243.73	2.60	0.05
68	188	600.00	-206.06	24.18	-0.79	-246.95	2.49	0.09
68	188	650.00	-180.44	32.05	-0.79	-243.10	2.14	0.11
68	188	700.00	-154.55	63.19	-3.71	-224.04	0.91	0.04
68	191	340.00	57.02	-10.84	-5.45	310.78	0.40	0.17
68	191	392.50	57.02	-10.84	-5.45	311.80	0.45	0.03
68	191	445.00	43.19	-31.53	-2.07	281.80	-1.53	1.55e-03
68	191	497.50	39.62	-44.64	-0.95	229.83	-2.30	-0.03
68	191	550.00	44.73	-50.72	-0.14	161.10	-2.61	-0.05
68	191	600.00	32.33	-30.04	0.77	148.67	-2.52	-0.08
68	191	650.00	23.78	-38.91	0.95	135.59	-2.16	-0.09
68	191	700.00	15.93	-55.08	3.72	109.17	-0.91	-0.04
68	194	340.00	-258.86	-70.87	3.94	-268.76	-0.82	-0.22
68	194	392.50	-258.86	-70.87	3.94	-267.73	-0.78	-0.04
68	194	445.00	-233.40	-50.02	1.99	-260.80	1.31	-2.25e-03
68	194	497.50	-217.30	-36.55	0.95	-231.06	2.02	0.03
68	194	550.00	-209.32	-30.04	0.18	-180.60	2.31	0.07
68	194	600.00	-189.77	-47.33	-0.78	-206.49	2.24	0.10
68	194	650.00	-165.45	-34.69	-0.24	-199.20	1.94	0.12
68	194	700.00	-154.17	12.21	-3.77	-214.36	0.95	0.03
68	209	340.00	-117.55	210.27	1.03	-408.72	-0.33	0.02
68	209	392.50	-117.55	210.27	1.03	-407.70	-0.29	0.10
68	209	445.00	-120.05	209.52	7.86e-04	-311.57	-0.02	0.08
68	209	497.50	-124.65	203.18	-0.25	-222.99	-0.17	0.07
68	209	550.00	-126.32	197.35	-0.18	-148.99	-0.22	0.03
68	209	600.00	-110.21	170.46	0.21	-144.77	-0.03	0.02
68	209	650.00	-97.97	153.69	-0.79	-143.98	0.03	0.04
68	209	700.00	-72.40	109.97	0.95	-101.19	-0.32	0.10
68	220	340.00	-304.44	16.87	6.52	-502.63	-0.62	-0.23
68	220	392.50	-304.44	16.87	6.52	-501.60	-0.57	-0.04
68	220	445.00	-277.50	40.87	2.43	-448.24	1.77	-4.37e-03
68	220	497.50	-263.34	56.15	1.10	-371.97	2.67	0.03
68	220	550.00	-259.11	63.31	0.14	-275.64	3.03	0.06
68	220	600.00	-225.29	28.60	-0.92	-278.39	2.91	0.10
68	220	650.00	-196.99	37.80	-0.93	-273.51	2.50	0.12
68	220	700.00	-168.53	72.84	-4.32	-251.41	1.06	0.05
68	223	340.00	83.78	-12.98	-6.35	370.64	0.48	0.20
68	223	392.50	83.78	-12.98	-6.35	371.66	0.52	0.04
68	223	445.00	66.93	-37.07	-2.42	335.46	-1.78	1.95e-03
68	223	497.50	62.09	-52.32	-1.10	273.98	-2.68	-0.03
68	223	550.00	67.35	-59.38	-0.16	193.01	-3.04	-0.06
68	223	600.00	51.56	-34.45	0.89	180.10	-2.94	-0.10
68	223	650.00	40.32	-44.66	1.09	165.99	-2.51	-0.11
68	223	700.00	29.90	-64.74	4.34	136.54	-1.06	-0.05
68	226	340.00	-284.03	-84.11	4.57	-301.70	-0.95	-0.25
68	226	392.50	-284.03	-84.11	4.57	-300.67	-0.91	-0.05
68	226	445.00	-255.17	-59.81	2.32	-294.42	1.53	-1.70e-03
68	226	497.50	-237.08	-44.15	1.11	-261.27	2.36	0.04
68	226	550.00	-228.37	-36.60	0.21	-204.01	2.69	0.08
68	226	600.00	-207.02	-55.80	-0.91	-232.52	2.61	0.12
68	226	650.00	-180.05	-40.98	-0.28	-223.17	2.27	0.14

68	226	700.00	-168.54	12.80	-4.41	-240.60	1.11	0.03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-304.44	-84.11	-6.35	-502.63	-3.04	-0.25
			83.78	210.27	6.52	371.66	3.03	0.20

Macro	Tipo	Angolo 1-Z (gradi)
69	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
69	4	550.00	-12.64	17.29	0.10	-2.01	0.0	-7.18e-03
69	4	600.00	-12.64	17.29	0.10	6.63	0.05	-3.72e-03
69	4	650.00	-19.38	19.47	0.09	12.60	0.10	3.14e-03
69	4	700.00	-3.54	19.53	-0.23	1.26	8.33e-03	0.01
69	18	550.00	-11.31	15.15	0.10	-1.74	0.0	-5.59e-03
69	18	600.00	-11.31	15.15	0.10	5.83	0.05	-1.55e-03
69	18	650.00	-17.27	17.07	0.09	11.06	0.09	5.20e-03
69	18	700.00	-3.16	17.11	-0.22	1.12	7.92e-03	0.01
69	45	550.00	-3.58	4.58	-2.87e-04	-0.68	0.0	-2.07e-03
69	45	600.00	-3.58	4.58	-2.87e-04	1.61	-1.43e-04	-2.86e-03
69	45	650.00	-5.37	5.13	8.51e-03	3.12	4.11e-03	-2.76e-03
69	45	700.00	-1.04	4.93	-0.01	0.34	5.35e-04	-8.48e-04
69	68	550.00	-8.82	11.98	0.07	-1.41	0.0	-4.98e-03
69	68	600.00	-8.82	11.98	0.07	4.58	0.03	-2.62e-03
69	68	650.00	-13.49	13.49	0.07	8.71	0.07	2.10e-03
69	68	700.00	-2.47	13.51	-0.16	0.87	5.74e-03	8.79e-03
69	75	550.00	-7.93	10.56	0.07	-1.22	0.0	-3.93e-03
69	75	600.00	-7.93	10.56	0.07	4.05	0.03	-1.17e-03
69	75	650.00	-12.08	11.89	0.06	7.69	0.06	3.47e-03
69	75	700.00	-2.22	11.90	-0.15	0.78	5.47e-03	9.20e-03
69	85	550.00	-4.12	5.27	0.01	-0.73	0.0	-2.39e-03
69	85	600.00	-4.12	5.27	0.01	1.90	5.04e-03	-2.64e-03
69	85	650.00	-6.18	5.91	0.02	3.66	0.01	-1.82e-03
69	85	700.00	-1.18	5.74	-0.03	0.40	1.31e-03	7.05e-04
69	98	550.00	-7.00	9.48	0.04	-1.17	0.0	-4.35e-03
69	98	600.00	-7.00	9.48	0.04	3.57	0.02	-3.16e-03
69	98	650.00	-10.66	10.66	0.05	6.81	0.05	4.57e-05
69	98	700.00	-1.97	10.62	-0.11	0.69	4.10e-03	5.46e-03
69	103	550.00	-6.73	9.03	0.05	-1.11	0.0	-3.95e-03
69	103	600.00	-6.73	9.03	0.05	3.41	0.02	-2.53e-03
69	103	650.00	-10.23	10.16	0.05	6.50	0.05	7.32e-04
69	103	700.00	-1.89	10.12	-0.11	0.66	4.08e-03	5.82e-03
69	104	550.00	-4.45	5.63	0.02	-0.73	0.0	-2.54e-03
69	104	600.00	-4.45	5.63	0.02	2.08	0.01	-2.02e-03
69	104	650.00	-6.68	6.33	0.03	3.98	0.02	-3.31e-04
69	104	700.00	-1.26	6.20	-0.06	0.43	2.21e-03	2.76e-03
69	106	550.00	-4.54	5.72	0.03	-0.73	0.0	-2.58e-03
69	106	600.00	-4.54	5.72	0.03	2.13	0.01	-1.87e-03
69	106	650.00	-6.80	6.44	0.03	4.06	0.03	4.25e-05
69	106	700.00	-1.29	6.32	-0.07	0.44	2.44e-03	3.27e-03
69	107	550.00	-6.64	8.94	0.04	-1.10	0.0	-4.09e-03
69	107	600.00	-6.64	8.94	0.04	3.36	0.02	-2.98e-03
69	107	650.00	-10.11	10.06	0.05	6.42	0.04	4.52e-05
69	107	700.00	-1.87	10.01	-0.10	0.65	3.86e-03	5.15e-03
69	108	550.00	-12.36	51.34	0.13	-8.44	0.02	-0.02
69	108	600.00	-12.36	51.34	0.13	-3.97	0.04	-0.01
69	108	650.00	-17.85	57.83	0.05	6.18	0.07	-0.01
69	108	700.00	-2.02	35.96	-0.13	0.63	3.81e-03	-4.84e-03
69	124	550.00	-19.35	37.68	0.46	-3.59	0.10	-0.04
69	124	600.00	-19.35	37.68	0.46	0.88	0.12	-0.04
69	124	650.00	-21.16	42.57	0.19	9.29	0.28	-0.03
69	124	700.00	-2.66	29.27	-0.47	0.74	0.09	-5.89e-03
69	127	550.00	6.06	-19.80	-0.38	1.38	-0.10	0.03
69	127	600.00	6.06	-19.80	-0.38	5.85	-0.08	0.03
69	127	650.00	0.94	-22.46	-0.10	3.54	-0.20	0.03
69	127	700.00	-1.09	-9.25	0.26	0.57	-0.08	0.02
69	128	550.00	-19.09	35.17	0.43	-3.20	0.10	-0.04
69	128	600.00	-19.09	35.17	0.43	1.27	0.12	-0.04
69	128	650.00	-19.44	39.74	0.19	8.68	0.28	-0.03
69	128	700.00	-2.65	27.73	-0.47	0.74	0.09	-6.56e-03
69	140	550.00	-13.07	56.69	0.14	-9.37	0.02	-0.02

69	140	600.00	-13.07	56.69	0.14	-4.90	0.04	-0.02
69	140	650.00	-18.82	63.86	0.05	6.15	0.07	-0.01
69	140	700.00	-2.04	39.23	-0.14	0.63	3.77e-03	-6.08e-03
69	156	550.00	-20.94	41.28	0.51	-3.90	0.12	-0.05
69	156	600.00	-20.94	41.28	0.51	0.57	0.14	-0.04
69	156	650.00	-22.54	46.64	0.21	9.65	0.31	-0.03
69	156	700.00	-2.76	31.67	-0.51	0.75	0.10	-7.22e-03
69	159	550.00	7.65	-23.40	-0.43	1.69	-0.12	0.04
69	159	600.00	7.65	-23.40	-0.43	6.16	-0.10	0.04
69	159	650.00	2.32	-26.53	-0.12	3.18	-0.23	0.03
69	159	700.00	-0.99	-11.66	0.31	0.56	-0.09	0.02
69	160	550.00	-20.64	38.47	0.48	-3.46	0.12	-0.05
69	160	600.00	-20.64	38.47	0.48	1.01	0.14	-0.05
69	160	650.00	-20.62	43.46	0.20	8.97	0.31	-0.04
69	160	700.00	-2.75	29.95	-0.51	0.75	0.10	-7.99e-03
69	172	550.00	-12.92	55.97	0.14	-9.31	0.02	-0.02
69	172	600.00	-12.92	55.97	0.14	-4.84	0.04	-0.02
69	172	650.00	-18.62	63.03	0.05	6.07	0.07	-0.01
69	172	700.00	-2.05	38.74	-0.13	0.63	3.61e-03	-5.88e-03
69	188	550.00	-20.74	40.76	0.51	-3.85	0.12	-0.05
69	188	600.00	-20.74	40.76	0.51	0.61	0.14	-0.04
69	188	650.00	-22.37	46.04	0.21	9.58	0.31	-0.03
69	188	700.00	-2.75	31.30	-0.51	0.75	0.10	-6.73e-03
69	191	550.00	7.45	-22.87	-0.42	1.65	-0.12	0.04
69	191	600.00	7.45	-22.87	-0.42	6.11	-0.09	0.04
69	191	650.00	2.15	-25.92	-0.12	3.25	-0.22	0.03
69	191	700.00	-1.00	-11.29	0.30	0.56	-0.09	0.02
69	192	550.00	-20.43	38.09	0.48	-3.46	0.11	-0.05
69	192	600.00	-20.43	38.09	0.48	1.01	0.14	-0.05
69	192	650.00	-20.60	43.02	0.20	8.95	0.31	-0.04
69	192	700.00	-2.74	29.66	-0.51	0.75	0.10	-7.62e-03
69	204	550.00	-13.93	63.80	0.15	-10.71	0.02	-0.02
69	204	600.00	-13.93	63.80	0.15	-6.24	0.04	-0.02
69	204	650.00	-20.00	71.84	0.05	5.96	0.08	-0.02
69	204	700.00	-2.08	43.50	-0.14	0.63	3.33e-03	-7.80e-03
69	220	550.00	-23.06	45.98	0.58	-4.30	0.13	-0.05
69	220	600.00	-23.06	45.98	0.58	0.17	0.15	-0.05
69	220	650.00	-24.39	51.94	0.23	10.09	0.35	-0.04
69	220	700.00	-2.89	34.77	-0.57	0.76	0.11	-8.73e-03
69	223	550.00	9.77	-28.10	-0.50	2.09	-0.13	0.05
69	223	600.00	9.77	-28.10	-0.50	6.56	-0.11	0.04
69	223	650.00	4.17	-31.83	-0.14	2.75	-0.27	0.04
69	223	700.00	-0.85	-14.76	0.37	0.55	-0.10	0.02
69	224	550.00	-22.71	43.11	0.55	-3.90	0.13	-0.06
69	224	600.00	-22.71	43.11	0.55	0.57	0.15	-0.05
69	224	650.00	-22.39	48.69	0.23	9.35	0.35	-0.04
69	224	700.00	-2.88	32.98	-0.57	0.76	0.11	-9.89e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-24.39	-31.83	-0.57	-10.71	-0.27	-0.06
			9.77	71.84	0.58	12.60	0.35	0.05

Macro	Tipo	Angolo 1-Z (gradi)
70	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
70	4	340.00	-28.28	-29.51	0.09	91.01	0.0	-0.01
70	4	392.50	-28.28	-29.51	0.09	75.53	0.05	-0.01
70	4	445.00	-34.73	-29.37	0.03	89.78	0.07	-8.09e-03
70	4	497.50	-37.42	-29.36	0.02	92.65	0.08	-6.51e-03
70	4	550.00	-39.30	-29.35	0.02	93.02	0.09	-5.32e-03
70	4	600.00	-40.32	-30.76	0.06	92.45	0.10	-5.83e-03
70	4	650.00	-42.13	-31.09	0.45	95.75	0.17	-0.02
70	4	700.00	-39.11	-26.92	-0.39	87.96	0.0	0.03
70	19	340.00	-8.38	-13.00	0.03	29.37	0.0	-5.51e-03
70	19	392.50	-8.38	-13.00	0.03	22.54	0.02	-7.08e-03
70	19	445.00	-10.59	-12.96	0.02	30.19	0.03	-4.77e-03
70	19	497.50	-11.02	-12.96	0.02	32.48	0.04	-3.99e-03
70	19	550.00	-11.18	-12.93	0.01	33.93	0.05	-3.42e-03
70	19	600.00	-11.98	-15.27	0.03	31.45	0.05	-3.98e-03
70	19	650.00	-13.07	-15.88	0.23	31.11	0.08	-0.01

70	19	700.00	-11.78	-12.04	-0.19	25.48	0.0	0.01
70	28	340.00	-33.39	-29.95	0.09	106.56	0.0	-8.47e-03
70	28	392.50	-33.39	-29.95	0.09	90.85	0.05	-5.50e-03
70	28	445.00	-39.33	-29.77	0.02	103.32	0.07	-4.86e-03
70	28	497.50	-41.70	-29.77	9.79e-03	105.00	0.07	-3.83e-03
70	28	550.00	-43.20	-29.76	0.01	104.01	0.08	-3.16e-03
70	28	600.00	-43.84	-31.14	0.05	102.00	0.09	-3.64e-03
70	28	650.00	-45.20	-31.37	0.36	103.72	0.14	-0.01
70	28	700.00	-41.96	-27.43	-0.31	95.12	0.0	0.02
70	68	340.00	-20.16	-21.14	0.06	65.16	0.0	-7.78e-03
70	68	392.50	-20.16	-21.14	0.06	54.07	0.03	-7.68e-03
70	68	445.00	-24.60	-21.04	0.02	64.26	0.05	-5.68e-03
70	68	497.50	-26.36	-21.04	0.02	66.34	0.06	-4.58e-03
70	68	550.00	-27.54	-21.02	0.01	66.64	0.07	-3.74e-03
70	68	600.00	-28.27	-22.31	0.04	65.69	0.07	-4.13e-03
70	68	650.00	-29.55	-22.60	0.31	67.55	0.12	-0.01
70	68	700.00	-27.37	-19.34	-0.27	61.53	0.0	0.02
70	72	340.00	-10.49	-13.72	0.04	35.77	0.0	-5.30e-03
70	72	392.50	-10.49	-13.72	0.04	28.57	0.02	-6.07e-03
70	72	445.00	-12.75	-13.67	0.02	36.03	0.03	-4.26e-03
70	72	497.50	-13.22	-13.66	0.01	38.04	0.04	-3.52e-03
70	72	550.00	-13.37	-13.64	8.37e-03	39.10	0.05	-2.98e-03
70	72	600.00	-14.08	-15.90	0.02	36.37	0.05	-3.46e-03
70	72	650.00	-15.08	-16.47	0.22	35.78	0.08	-9.87e-03
70	72	700.00	-13.68	-12.69	-0.18	29.90	0.0	0.01
70	80	340.00	-23.57	-21.43	0.06	75.53	0.0	-6.09e-03
70	80	392.50	-23.57	-21.43	0.06	64.28	0.03	-4.02e-03
70	80	445.00	-27.66	-21.31	0.01	73.29	0.05	-3.53e-03
70	80	497.50	-29.21	-21.31	7.47e-03	74.57	0.05	-2.79e-03
70	80	550.00	-30.14	-21.30	8.80e-03	73.97	0.06	-2.30e-03
70	80	600.00	-30.62	-22.55	0.04	72.06	0.06	-2.67e-03
70	80	650.00	-31.60	-22.79	0.26	72.87	0.10	-9.38e-03
70	80	700.00	-29.28	-19.68	-0.22	66.30	0.0	0.01
70	98	340.00	-18.35	-18.37	0.06	59.67	0.0	-6.15e-03
70	98	392.50	-18.35	-18.37	0.06	50.03	0.03	-5.26e-03
70	98	445.00	-21.68	-18.27	0.02	58.31	0.04	-4.16e-03
70	98	497.50	-22.77	-18.27	0.01	59.79	0.05	-3.30e-03
70	98	550.00	-23.36	-18.25	8.79e-03	59.75	0.06	-2.68e-03
70	98	600.00	-23.85	-19.79	0.03	57.62	0.06	-2.99e-03
70	98	650.00	-24.75	-20.13	0.24	57.96	0.09	-9.32e-03
70	98	700.00	-22.78	-17.02	-0.21	51.83	0.0	0.01
70	102	340.00	-12.74	-13.91	0.04	42.61	0.0	-4.62e-03
70	102	392.50	-12.74	-13.91	0.04	35.31	0.02	-4.15e-03
70	102	445.00	-14.79	-13.85	0.01	42.03	0.03	-3.21e-03
70	102	497.50	-15.13	-13.84	9.46e-03	43.54	0.04	-2.57e-03
70	102	550.00	-15.11	-13.82	4.60e-03	44.00	0.04	-2.13e-03
70	102	600.00	-15.66	-16.06	0.01	40.63	0.04	-2.50e-03
70	102	650.00	-16.45	-16.59	0.17	39.32	0.06	-8.16e-03
70	102	700.00	-14.95	-12.91	-0.15	33.08	0.0	8.92e-03
70	106	340.00	-13.30	-13.96	0.04	44.32	0.0	-4.45e-03
70	106	392.50	-13.30	-13.96	0.04	36.99	0.02	-3.67e-03
70	106	445.00	-15.30	-13.89	0.01	43.53	0.03	-2.94e-03
70	106	497.50	-15.60	-13.89	8.43e-03	44.91	0.04	-2.33e-03
70	106	550.00	-15.55	-13.87	3.66e-03	45.22	0.04	-1.92e-03
70	106	600.00	-16.05	-16.10	0.01	41.69	0.04	-2.26e-03
70	106	650.00	-16.79	-16.62	0.16	40.21	0.06	-7.73e-03
70	106	700.00	-15.26	-12.97	-0.14	33.87	0.0	8.38e-03
70	107	340.00	-17.63	-17.74	0.05	57.47	0.0	-5.91e-03
70	107	392.50	-17.63	-17.74	0.05	48.17	0.03	-5.03e-03
70	107	445.00	-20.77	-17.65	0.02	56.20	0.04	-3.98e-03
70	107	497.50	-21.75	-17.64	0.01	57.67	0.05	-3.16e-03
70	107	550.00	-22.24	-17.63	8.06e-03	57.68	0.05	-2.57e-03
70	107	600.00	-22.74	-19.27	0.03	55.35	0.06	-2.88e-03
70	107	650.00	-23.61	-19.63	0.23	55.42	0.09	-9.10e-03
70	107	700.00	-21.70	-16.44	-0.20	49.26	0.0	0.01
70	112	340.00	26.50	88.00	0.39	-48.73	0.04	0.04
70	112	392.50	26.50	88.00	0.39	-58.04	0.06	0.04
70	112	445.00	26.24	89.51	0.21	-3.76	0.17	0.04
70	112	497.50	27.61	110.68	0.15	44.53	0.26	0.04
70	112	550.00	28.71	109.74	0.14	92.22	0.30	7.27e-03
70	112	600.00	12.64	74.51	-0.16	83.10	0.26	-0.02
70	112	650.00	2.47	61.02	0.06	86.69	0.11	-0.07
70	112	700.00	-13.66	43.55	-0.48	106.62	0.02	-0.06
70	114	340.00	-42.33	-146.17	0.92	98.20	0.28	-0.04
70	114	392.50	-42.33	-146.17	0.92	88.89	0.31	-0.04

70	114	445.00	-52.48	-142.67	0.64	49.66	0.76	-0.04
70	114	497.50	-60.22	-119.68	0.34	3.64	1.01	-0.06
70	114	550.00	-65.77	-119.06	-0.06	-48.53	1.13	-0.04
70	114	600.00	-48.31	-95.31	-0.21	-28.43	1.10	-0.03
70	114	650.00	-37.62	-86.45	-0.09	-16.15	1.09	5.61e-03
70	114	700.00	-14.48	-65.71	-1.71	-33.36	0.43	0.06
70	115	340.00	-61.76	-123.48	-0.28	163.68	-0.04	-0.05
70	115	392.50	-61.76	-123.48	-0.28	154.37	-8.02e-03	-0.05
70	115	445.00	-67.79	-124.80	-0.17	116.16	-0.08	-0.05
70	115	497.50	-71.10	-145.96	-0.13	70.80	-0.16	-0.05
70	115	550.00	-73.20	-144.99	-0.13	23.14	-0.19	-0.01
70	115	600.00	-58.11	-113.05	0.21	27.59	-0.14	0.01
70	115	650.00	-49.70	-100.28	0.40	24.15	0.07	0.05
70	115	700.00	-29.75	-76.44	0.08	-8.10	-0.02	0.08
70	136	340.00	24.76	-26.92	1.92	-74.45	0.49	6.91e-03
70	136	392.50	24.76	-26.92	1.92	-83.76	0.52	3.20e-03
70	136	445.00	15.77	-19.05	1.31	-65.48	1.36	-5.76e-03
70	136	497.50	8.38	54.30	0.76	-53.13	1.91	-0.04
70	136	550.00	2.73	53.52	0.14	-47.82	2.15	-0.06
70	136	600.00	1.86	31.04	-0.61	-26.84	2.01	-0.09
70	136	650.00	2.02	21.42	-0.61	-0.91	1.65	-0.10
70	136	700.00	6.80	14.83	-2.99	15.97	0.70	-0.04
70	144	340.00	32.09	101.41	0.43	-62.19	0.04	0.05
70	144	392.50	32.09	101.41	0.43	-71.50	0.07	0.05
70	144	445.00	32.19	103.09	0.23	-11.35	0.18	0.05
70	144	497.50	33.85	126.92	0.17	42.89	0.29	0.05
70	144	550.00	35.16	125.86	0.16	96.61	0.33	8.49e-03
70	144	600.00	17.11	86.39	-0.18	86.64	0.28	-0.02
70	144	650.00	5.76	71.23	0.04	90.69	0.11	-0.08
70	144	700.00	-12.63	51.15	-0.51	113.84	0.02	-0.06
70	146	340.00	-45.46	-162.41	1.03	103.38	0.31	-0.04
70	146	392.50	-45.46	-162.41	1.03	94.07	0.34	-0.04
70	146	445.00	-56.50	-158.49	0.72	48.85	0.85	-0.05
70	146	497.50	-65.09	-132.60	0.38	-3.18	1.13	-0.06
70	146	550.00	-71.29	-131.91	-0.07	-61.94	1.26	-0.04
70	146	600.00	-51.56	-104.94	-0.24	-39.00	1.23	-0.03
70	146	650.00	-39.40	-94.91	-0.13	-25.18	1.21	7.46e-03
70	146	700.00	-13.61	-71.95	-1.90	-43.72	0.49	0.07
70	147	340.00	-67.35	-136.88	-0.32	177.14	-0.04	-0.06
70	147	392.50	-67.35	-136.88	-0.32	167.83	-0.01	-0.06
70	147	445.00	-73.74	-138.38	-0.20	123.75	-0.10	-0.06
70	147	497.50	-77.35	-162.21	-0.14	72.45	-0.19	-0.05
70	147	550.00	-79.65	-161.12	-0.14	18.74	-0.22	-0.01
70	147	600.00	-62.58	-124.92	0.23	24.05	-0.17	0.01
70	147	650.00	-52.99	-110.49	0.42	20.16	0.07	0.06
70	147	700.00	-30.78	-84.04	0.11	-15.32	-0.02	0.09
70	168	340.00	30.17	-27.95	2.15	-91.26	0.55	8.42e-03
70	168	392.50	30.17	-27.95	2.15	-100.57	0.58	4.14e-03
70	168	445.00	20.44	-19.11	1.47	-80.92	1.53	-6.06e-03
70	168	497.50	12.23	63.48	0.85	-67.12	2.14	-0.04
70	168	550.00	5.93	62.61	0.16	-61.09	2.41	-0.07
70	168	600.00	4.99	37.47	-0.69	-37.16	2.26	-0.10
70	168	650.00	5.26	26.67	-0.71	-7.95	1.84	-0.11
70	168	700.00	10.38	18.84	-3.35	11.86	0.79	-0.05
70	176	340.00	32.04	100.68	0.43	-62.28	0.04	0.04
70	176	392.50	32.04	100.68	0.43	-71.59	0.07	0.04
70	176	445.00	31.99	102.33	0.24	-11.46	0.19	0.05
70	176	497.50	33.56	125.95	0.17	42.65	0.30	0.04
70	176	550.00	34.89	124.89	0.16	95.95	0.34	7.43e-03
70	176	600.00	16.99	85.67	-0.18	86.05	0.29	-0.02
70	176	650.00	5.70	70.59	0.05	90.14	0.12	-0.07
70	176	700.00	-12.23	50.74	-0.54	112.17	0.03	-0.06
70	178	340.00	-45.46	-161.35	1.01	103.69	0.31	-0.04
70	178	392.50	-45.46	-161.35	1.01	94.38	0.33	-0.04
70	178	445.00	-56.35	-157.48	0.70	49.33	0.83	-0.04
70	178	497.50	-64.85	-131.80	0.38	-2.46	1.11	-0.06
70	178	550.00	-71.07	-131.11	-0.07	-60.68	1.24	-0.04
70	178	600.00	-51.55	-104.34	-0.24	-37.83	1.21	-0.03
70	178	650.00	-39.51	-94.35	-0.14	-24.12	1.18	6.68e-03
70	178	700.00	-14.23	-71.57	-1.85	-41.58	0.47	0.07
70	179	340.00	-67.30	-136.15	-0.32	177.23	-0.04	-0.05
70	179	392.50	-67.30	-136.15	-0.32	167.92	-0.02	-0.05
70	179	445.00	-73.54	-137.62	-0.20	123.86	-0.11	-0.05
70	179	497.50	-77.05	-161.24	-0.15	72.69	-0.20	-0.05
70	179	550.00	-79.37	-160.14	-0.15	19.41	-0.23	-0.01

70	179	600.00	-62.46	-124.20	0.23	24.65	-0.18	0.01
70	179	650.00	-52.93	-109.84	0.41	20.70	0.05	0.06
70	179	700.00	-31.18	-83.62	0.14	-13.64	-0.03	0.09
70	200	340.00	30.44	-26.89	2.13	-91.84	0.55	7.11e-03
70	200	392.50	30.44	-26.89	2.13	-101.15	0.57	3.02e-03
70	200	445.00	20.66	-18.20	1.46	-80.91	1.51	-6.75e-03
70	200	497.50	12.43	63.70	0.85	-66.60	2.12	-0.04
70	200	550.00	6.18	62.82	0.17	-60.22	2.39	-0.07
70	200	600.00	5.10	37.65	-0.69	-36.43	2.24	-0.10
70	200	650.00	5.24	26.85	-0.70	-7.31	1.83	-0.11
70	200	700.00	10.20	19.06	-3.33	12.49	0.79	-0.05
70	208	340.00	40.74	121.12	0.50	-83.36	0.05	0.05
70	208	392.50	40.74	121.12	0.50	-92.66	0.08	0.05
70	208	445.00	41.15	123.02	0.28	-23.38	0.22	0.05
70	208	497.50	43.11	150.64	0.20	39.91	0.35	0.05
70	208	550.00	44.78	149.39	0.19	102.34	0.40	8.55e-03
70	208	600.00	23.90	103.70	-0.21	91.12	0.34	-0.02
70	208	650.00	10.82	86.09	0.03	95.93	0.14	-0.09
70	208	700.00	-10.40	62.32	-0.62	122.44	0.04	-0.07
70	210	340.00	-50.39	-185.97	1.16	112.13	0.35	-0.04
70	210	392.50	-50.39	-185.97	1.16	102.82	0.38	-0.04
70	210	445.00	-62.57	-181.48	0.81	48.54	0.95	-0.05
70	210	497.50	-72.34	-151.44	0.43	-12.45	1.28	-0.07
70	210	550.00	-79.57	-150.63	-0.09	-80.60	1.43	-0.05
70	210	600.00	-56.66	-118.96	-0.28	-53.39	1.39	-0.03
70	210	650.00	-42.42	-107.18	-0.20	-37.33	1.36	9.08e-03
70	210	700.00	-13.27	-81.04	-2.11	-56.36	0.55	0.07
70	211	340.00	-75.99	-156.60	-0.39	198.30	-0.05	-0.06
70	211	392.50	-75.99	-156.60	-0.39	189.00	-0.02	-0.06
70	211	445.00	-82.70	-158.31	-0.24	135.78	-0.13	-0.06
70	211	497.50	-86.60	-185.93	-0.18	75.42	-0.25	-0.06
70	211	550.00	-89.26	-184.64	-0.17	13.02	-0.29	-0.01
70	211	600.00	-69.37	-142.23	0.27	19.57	-0.22	0.02
70	211	650.00	-58.05	-125.34	0.43	14.92	0.04	0.07
70	211	700.00	-33.01	-95.21	0.21	-23.92	-0.04	0.10
70	232	340.00	39.12	-27.25	2.47	-118.52	0.64	8.46e-03
70	232	392.50	39.12	-27.25	2.47	-127.83	0.67	3.56e-03
70	232	445.00	28.19	-17.16	1.70	-104.87	1.76	-7.95e-03
70	232	497.50	18.69	78.61	0.99	-87.78	2.47	-0.05
70	232	550.00	11.47	77.56	0.19	-79.85	2.78	-0.08
70	232	600.00	10.11	48.13	-0.80	-51.61	2.60	-0.11
70	232	650.00	10.31	35.44	-0.86	-17.50	2.12	-0.13
70	232	700.00	15.65	25.68	-3.85	6.79	0.92	-0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-89.26	-185.97	-3.85	-127.83	-0.29	-0.13
	44.78	150.64	2.47	198.30	2.78	0.10

Macro	Tipo	Angolo 1-Z (gradi)
71	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
71	4	340.00	-118.01	-15.06	0.40	318.25	-3.03e-05	-0.02
71	4	392.50	-118.01	-15.06	0.40	310.35	0.21	-0.01
71	4	445.00	-130.40	-14.99	-0.05	344.13	0.21	-3.25e-03
71	4	497.50	-133.47	-14.95	-0.02	353.18	0.19	8.75e-04
71	4	550.00	-134.68	-14.79	-0.03	357.27	0.18	1.97e-03
71	4	600.00	-127.31	-23.83	-0.06	319.64	0.14	2.89e-03
71	4	650.00	-122.84	-24.18	0.15	299.38	0.12	5.06e-03
71	4	700.00	-103.95	-15.20	-0.27	244.35	0.0	9.98e-03
71	19	340.00	-39.58	-6.88	0.18	108.63	-1.09e-05	-0.01
71	19	392.50	-39.58	-6.88	0.18	105.02	0.10	-7.61e-03
71	19	445.00	-44.18	-6.86	-9.87e-04	120.35	0.11	-2.98e-03
71	19	497.50	-44.97	-6.84	3.84e-03	125.58	0.11	-5.30e-04
71	19	550.00	-45.07	-6.77	-3.14e-03	128.97	0.11	5.14e-04
71	19	600.00	-42.62	-14.02	0.01	111.21	0.10	3.71e-04
71	19	650.00	-40.95	-15.13	0.29	101.04	0.14	2.98e-03
71	19	700.00	-34.47	-10.85	-0.32	79.79	0.0	9.24e-03
71	28	340.00	-126.45	-15.87	0.33	340.70	-3.21e-05	-0.01
71	28	392.50	-126.45	-15.87	0.33	332.37	0.17	-5.63e-03
71	28	445.00	-138.36	-15.80	-0.07	364.47	0.15	5.73e-04

71	28	497.50	-140.98	-15.76	-0.03	371.86	0.12	2.47e-03
71	28	550.00	-141.67	-15.61	-0.03	374.17	0.11	1.78e-03
71	28	600.00	-133.26	-24.59	-0.07	333.75	0.08	5.59e-04
71	28	650.00	-127.92	-24.85	0.01	311.23	0.03	-2.35e-04
71	28	700.00	-108.07	-15.63	-0.07	253.81	0.0	2.14e-03
71	35	340.00	-120.00	-15.67	0.31	323.54	-3.07e-05	-0.01
71	35	392.50	-120.00	-15.67	0.31	315.33	0.16	-4.98e-03
71	35	445.00	-131.58	-15.60	-0.07	346.64	0.14	7.31e-04
71	35	497.50	-134.21	-15.56	-0.02	354.17	0.12	2.43e-03
71	35	550.00	-134.99	-15.41	-0.03	356.83	0.10	1.67e-03
71	35	600.00	-127.24	-25.17	-0.06	317.12	0.07	-2.01e-05
71	35	650.00	-122.36	-25.73	0.05	294.76	0.04	-1.11e-03
71	35	700.00	-103.85	-16.42	-0.09	240.04	0.0	1.83e-03
71	68	340.00	-83.32	-10.89	0.28	224.98	-2.15e-05	-0.01
71	68	392.50	-83.32	-10.89	0.28	219.27	0.15	-8.57e-03
71	68	445.00	-91.97	-10.84	-0.03	243.28	0.15	-2.26e-03
71	68	497.50	-94.02	-10.81	-0.01	249.74	0.14	6.15e-04
71	68	550.00	-94.73	-10.70	-0.02	252.69	0.13	1.37e-03
71	68	600.00	-89.46	-17.68	-0.04	225.26	0.10	1.77e-03
71	68	650.00	-86.19	-18.07	0.12	210.28	0.09	3.26e-03
71	68	700.00	-72.87	-11.58	-0.20	171.14	0.0	7.07e-03
71	72	340.00	-44.89	-7.39	0.18	122.76	-1.21e-05	-9.59e-03
71	72	392.50	-44.89	-7.39	0.18	118.88	0.09	-6.60e-03
71	72	445.00	-49.72	-7.36	-6.48e-03	134.55	0.10	-2.32e-03
71	72	497.50	-50.51	-7.35	1.45e-03	139.51	0.10	-1.68e-04
71	72	550.00	-50.55	-7.27	-6.21e-03	142.46	0.10	6.27e-04
71	72	600.00	-47.64	-14.52	1.82e-03	123.25	0.09	1.92e-04
71	72	650.00	-45.63	-15.57	0.23	112.11	0.12	2.03e-03
71	72	700.00	-38.42	-11.05	-0.26	88.93	0.0	7.41e-03
71	80	340.00	-88.95	-11.43	0.24	239.95	-2.27e-05	-0.01
71	80	392.50	-88.95	-11.43	0.24	233.95	0.12	-4.14e-03
71	80	445.00	-97.28	-11.38	-0.05	256.84	0.11	2.85e-04
71	80	497.50	-99.02	-11.35	-0.02	262.19	0.09	1.68e-03
71	80	550.00	-99.39	-11.24	-0.02	263.96	0.08	1.24e-03
71	80	600.00	-93.43	-18.18	-0.04	234.67	0.06	2.21e-04
71	80	650.00	-89.58	-18.52	0.03	218.17	0.03	-2.74e-04
71	80	700.00	-75.61	-11.87	-0.07	177.45	0.0	1.84e-03
71	83	340.00	-84.65	-11.30	0.22	228.51	-2.17e-05	-9.83e-03
71	83	392.50	-84.65	-11.30	0.22	222.58	0.12	-3.71e-03
71	83	445.00	-92.76	-11.25	-0.05	244.95	0.10	3.90e-04
71	83	497.50	-94.51	-11.22	-0.02	250.40	0.09	1.65e-03
71	83	550.00	-94.94	-11.12	-0.02	252.40	0.08	1.17e-03
71	83	600.00	-89.41	-18.57	-0.04	223.58	0.06	-1.65e-04
71	83	650.00	-85.87	-19.10	0.05	207.19	0.03	-8.56e-04
71	83	700.00	-72.80	-12.40	-0.08	168.27	0.0	1.64e-03
71	98	340.00	-71.60	-9.70	0.22	193.81	-1.85e-05	-0.01
71	98	392.50	-71.60	-9.70	0.22	188.72	0.12	-5.94e-03
71	98	445.00	-78.44	-9.65	-0.03	208.55	0.11	-1.25e-03
71	98	497.50	-79.72	-9.63	-9.23e-03	213.58	0.11	7.65e-04
71	98	550.00	-79.86	-9.54	-0.02	215.63	0.10	1.15e-03
71	98	600.00	-74.97	-16.34	-0.04	190.47	0.08	7.51e-04
71	98	650.00	-71.71	-16.89	0.07	176.13	0.06	1.30e-03
71	98	700.00	-60.30	-11.24	-0.14	142.31	0.0	4.33e-03
71	101	340.00	-70.51	-9.70	0.22	190.91	-1.82e-05	-0.01
71	101	392.50	-70.51	-9.70	0.22	185.82	0.12	-5.82e-03
71	101	445.00	-77.33	-9.65	-0.03	205.58	0.11	-1.22e-03
71	101	497.50	-78.63	-9.63	-8.72e-03	210.68	0.10	7.63e-04
71	101	550.00	-78.81	-9.54	-0.02	212.82	0.10	1.13e-03
71	101	600.00	-74.05	-16.53	-0.03	187.72	0.08	6.31e-04
71	101	650.00	-70.89	-17.15	0.08	173.37	0.06	1.10e-03
71	101	700.00	-59.73	-11.45	-0.14	140.01	0.0	4.27e-03
71	102	340.00	-48.67	-7.74	0.16	132.80	-1.29e-05	-8.07e-03
71	102	392.50	-48.67	-7.74	0.16	128.74	0.09	-4.60e-03
71	102	445.00	-53.32	-7.72	-0.01	143.78	0.09	-1.20e-03
71	102	497.50	-53.93	-7.70	-8.98e-04	148.04	0.08	3.39e-04
71	102	550.00	-53.73	-7.63	-9.17e-03	150.19	0.08	7.14e-04
71	102	600.00	-50.34	-14.85	-0.01	129.69	0.07	-3.17e-04
71	102	650.00	-47.92	-15.86	0.15	117.45	0.08	2.91e-04
71	102	700.00	-40.27	-11.23	-0.18	93.18	0.0	4.35e-03
71	106	340.00	-49.61	-7.83	0.16	135.31	-1.31e-05	-7.69e-03
71	106	392.50	-49.61	-7.83	0.16	131.20	0.08	-4.10e-03
71	106	445.00	-54.23	-7.80	-0.01	146.09	0.08	-9.25e-04
71	106	497.50	-54.78	-7.79	-1.49e-03	150.18	0.08	4.66e-04
71	106	550.00	-54.53	-7.72	-9.91e-03	152.13	0.08	7.36e-04
71	106	600.00	-51.02	-14.94	-0.01	131.31	0.06	-4.45e-04

71	106	650.00	-48.49	-15.93	0.12	118.79	0.07	-1.45e-04
71	106	700.00	-40.73	-11.28	-0.16	94.24	0.0	3.58e-03
71	107	340.00	-68.46	-9.43	0.22	185.45	-1.77e-05	-0.01
71	107	392.50	-68.46	-9.43	0.22	180.51	0.11	-5.67e-03
71	107	445.00	-74.98	-9.39	-0.03	199.63	0.11	-1.21e-03
71	107	497.50	-76.16	-9.37	-8.13e-03	204.53	0.10	7.22e-04
71	107	550.00	-76.24	-9.28	-0.02	206.56	0.10	1.09e-03
71	107	600.00	-71.55	-16.14	-0.03	182.02	0.08	5.81e-04
71	107	650.00	-68.39	-16.75	0.08	167.94	0.06	1.09e-03
71	107	700.00	-57.50	-11.24	-0.14	135.44	0.0	4.22e-03
71	111	340.00	-73.74	-131.49	-0.24	166.05	-0.13	0.02
71	111	392.50	-73.74	-131.49	-0.24	161.11	-0.02	0.03
71	111	445.00	-83.89	-131.60	-0.32	127.17	-0.24	0.03
71	111	497.50	-87.87	-130.36	-0.28	74.46	-0.36	0.03
71	111	550.00	-88.43	-128.88	-0.15	13.88	-0.49	0.04
71	111	600.00	-80.38	-73.79	0.16	58.27	-0.54	0.08
71	111	650.00	-75.33	-61.33	-0.17	83.93	-0.54	0.04
71	111	700.00	-66.09	-44.59	1.22	81.55	-0.34	0.03
71	117	340.00	-99.34	68.29	-0.36	284.21	-0.14	-0.11
71	117	392.50	-99.34	68.29	-0.36	279.26	-0.02	-0.10
71	117	445.00	-98.00	66.48	-0.41	319.80	-0.25	-0.09
71	117	497.50	-94.11	66.07	-0.18	351.86	-0.41	-0.07
71	117	550.00	-94.75	65.86	0.02	394.73	-0.47	-0.06
71	117	600.00	-82.92	19.87	0.10	307.39	-0.43	-0.06
71	117	650.00	-73.63	12.49	0.40	271.54	-0.31	-0.04
71	117	700.00	-62.53	9.82	0.47	202.14	-0.15	-0.04
71	133	340.00	-126.99	-10.52	-1.47	338.71	-0.44	-0.07
71	133	392.50	-126.99	-10.52	-1.47	333.77	-0.33	-0.06
71	133	445.00	-139.60	-12.95	-1.11	363.92	-1.05	-0.05
71	133	497.50	-142.90	-13.14	-0.61	370.75	-1.50	-0.02
71	133	550.00	-147.68	-12.24	-0.20	381.01	-1.70	0.03
71	133	600.00	-125.97	-17.01	0.45	311.19	-1.63	0.03
71	133	650.00	-113.92	-17.36	0.03	273.12	-1.55	0.05
71	133	700.00	-93.06	-11.96	3.09	229.53	-0.81	0.04
71	134	340.00	-9.93	-8.34	1.90	32.20	0.44	0.05
71	134	392.50	-9.93	-8.34	1.90	27.25	0.55	0.05
71	134	445.00	-10.36	-5.83	1.05	35.33	1.27	0.05
71	134	497.50	-9.41	-5.60	0.59	38.30	1.70	0.02
71	134	550.00	-4.80	-6.31	0.16	32.10	1.89	-0.03
71	134	600.00	-17.13	-15.26	-0.52	52.84	1.78	-0.03
71	134	650.00	-22.87	-16.14	0.13	62.75	1.67	-0.05
71	134	700.00	-21.95	-10.53	-3.38	41.36	0.81	-0.03
71	143	340.00	-74.41	-146.93	-0.30	163.61	-0.14	0.02
71	143	392.50	-74.41	-146.93	-0.30	158.66	-0.03	0.04
71	143	445.00	-85.03	-147.06	-0.35	118.02	-0.28	0.04
71	143	497.50	-89.36	-145.67	-0.32	58.03	-0.42	0.03
71	143	550.00	-89.98	-144.01	-0.16	-10.47	-0.56	0.04
71	143	600.00	-81.50	-81.09	0.18	42.63	-0.61	0.09
71	143	650.00	-76.21	-66.98	-0.21	73.31	-0.62	0.04
71	143	700.00	-67.18	-48.81	1.39	74.72	-0.38	0.03
71	149	340.00	-103.10	78.40	-0.43	296.41	-0.15	-0.12
71	149	392.50	-103.10	78.40	-0.43	291.46	-0.04	-0.11
71	149	445.00	-100.77	76.36	-0.45	334.86	-0.30	-0.10
71	149	497.50	-96.25	75.89	-0.20	370.49	-0.47	-0.08
71	149	550.00	-96.97	75.64	0.02	418.73	-0.54	-0.06
71	149	600.00	-84.24	24.57	0.12	323.29	-0.50	-0.06
71	149	650.00	-74.18	16.30	0.44	284.63	-0.35	-0.05
71	149	700.00	-63.08	12.57	0.55	210.56	-0.16	-0.04
71	165	340.00	-134.29	-10.67	-1.68	357.82	-0.49	-0.08
71	165	392.50	-134.29	-10.67	-1.68	352.87	-0.38	-0.07
71	165	445.00	-147.67	-13.41	-1.24	384.43	-1.20	-0.06
71	165	497.50	-151.23	-13.62	-0.68	391.47	-1.70	-0.02
71	165	550.00	-156.60	-12.62	-0.22	402.78	-1.92	0.03
71	165	600.00	-132.76	-17.13	0.51	327.29	-1.85	0.04
71	165	650.00	-119.59	-17.44	0.03	286.21	-1.75	0.05
71	165	700.00	-97.49	-12.06	3.50	241.28	-0.91	0.04
71	166	340.00	-2.63	-8.19	2.11	13.09	0.49	0.05
71	166	392.50	-2.63	-8.19	2.11	8.14	0.61	0.06
71	166	445.00	-2.30	-5.37	1.19	14.83	1.42	0.05
71	166	497.50	-1.09	-5.12	0.67	17.58	1.90	0.02
71	166	550.00	4.11	-5.93	0.19	10.33	2.11	-0.03
71	166	600.00	-10.35	-15.14	-0.58	36.74	2.00	-0.04
71	166	650.00	-17.20	-16.06	0.14	49.66	1.87	-0.05
71	166	700.00	-17.51	-10.43	-3.78	29.61	0.91	-0.03
71	175	340.00	-75.00	-145.93	-0.29	165.42	-0.14	0.02

71	175	392.50	-75.00	-145.93	-0.29	160.48	-0.03	0.04
71	175	445.00	-85.63	-146.05	-0.35	120.33	-0.27	0.04
71	175	497.50	-89.82	-144.66	-0.31	60.58	-0.41	0.03
71	175	550.00	-90.37	-143.00	-0.16	-7.58	-0.55	0.04
71	175	600.00	-81.82	-80.63	0.17	44.62	-0.60	0.09
71	175	650.00	-76.49	-66.65	-0.20	74.77	-0.61	0.04
71	175	700.00	-67.31	-48.56	1.37	75.63	-0.38	0.03
71	181	340.00	-101.61	80.05	-0.42	293.15	-0.15	-0.12
71	181	392.50	-101.61	80.05	-0.42	288.20	-0.04	-0.11
71	181	445.00	-99.40	78.02	-0.44	332.57	-0.29	-0.10
71	181	497.50	-94.88	77.53	-0.19	369.03	-0.46	-0.08
71	181	550.00	-95.79	77.26	0.03	418.63	-0.53	-0.06
71	181	600.00	-83.07	25.43	0.12	322.29	-0.48	-0.07
71	181	650.00	-73.17	17.04	0.44	283.60	-0.34	-0.05
71	181	700.00	-62.30	13.12	0.52	209.78	-0.16	-0.04
71	197	340.00	-133.13	-10.79	-1.64	354.76	-0.48	-0.07
71	197	392.50	-133.13	-10.79	-1.64	349.81	-0.37	-0.07
71	197	445.00	-146.45	-13.50	-1.22	381.27	-1.17	-0.05
71	197	497.50	-149.96	-13.68	-0.67	388.21	-1.66	-0.02
71	197	550.00	-155.33	-12.68	-0.22	399.50	-1.88	0.03
71	197	600.00	-131.73	-17.20	0.50	324.72	-1.81	0.04
71	197	650.00	-118.69	-17.51	0.02	284.03	-1.72	0.05
71	197	700.00	-96.81	-12.11	3.44	239.59	-0.90	0.04
71	198	340.00	-3.79	-8.07	2.07	16.15	0.48	0.05
71	198	392.50	-3.79	-8.07	2.07	11.21	0.60	0.06
71	198	445.00	-3.52	-5.28	1.16	17.98	1.39	0.05
71	198	497.50	-2.35	-5.06	0.66	20.84	1.87	0.02
71	198	550.00	2.84	-5.88	0.19	13.61	2.07	-0.03
71	198	600.00	-11.37	-15.08	-0.56	39.31	1.96	-0.04
71	198	650.00	-18.10	-15.99	0.15	51.84	1.84	-0.05
71	198	700.00	-18.19	-10.38	-3.73	31.29	0.90	-0.03
71	207	340.00	-76.41	-169.32	-0.37	162.75	-0.16	0.02
71	207	392.50	-76.41	-169.32	-0.37	157.80	-0.05	0.04
71	207	445.00	-87.77	-169.47	-0.40	107.55	-0.33	0.04
71	207	497.50	-92.46	-167.84	-0.36	36.67	-0.50	0.04
71	207	550.00	-93.07	-165.90	-0.19	-43.57	-0.65	0.05
71	207	600.00	-83.79	-91.69	0.21	21.60	-0.72	0.10
71	207	650.00	-78.05	-75.21	-0.25	59.19	-0.72	0.05
71	207	700.00	-69.12	-54.97	1.62	65.65	-0.44	0.03
71	213	340.00	-106.96	98.40	-0.52	311.55	-0.18	-0.14
71	213	392.50	-106.96	98.40	-0.52	306.61	-0.06	-0.13
71	213	445.00	-103.05	95.99	-0.51	356.31	-0.36	-0.12
71	213	497.50	-97.47	95.39	-0.22	399.50	-0.55	-0.09
71	213	550.00	-98.65	95.03	0.04	459.17	-0.63	-0.08
71	213	600.00	-84.48	34.02	0.15	348.57	-0.57	-0.08
71	213	650.00	-73.46	24.01	0.52	304.98	-0.40	-0.06
71	213	700.00	-62.70	18.17	0.61	223.48	-0.18	-0.05
71	229	340.00	-143.58	-11.13	-1.94	382.10	-0.56	-0.08
71	229	392.50	-143.58	-11.13	-1.94	377.15	-0.45	-0.08
71	229	445.00	-158.05	-14.29	-1.41	410.73	-1.38	-0.06
71	229	497.50	-161.92	-14.49	-0.78	417.90	-1.95	-0.02
71	229	550.00	-168.21	-13.31	-0.26	430.83	-2.20	0.04
71	229	600.00	-141.47	-17.44	0.58	347.76	-2.12	0.05
71	229	650.00	-126.82	-17.70	2.66e-03	302.73	-2.01	0.06
71	229	700.00	-103.20	-12.31	4.03	256.61	-1.04	0.05
71	230	340.00	6.66	-7.73	2.37	-11.19	0.56	0.06
71	230	392.50	6.66	-7.73	2.37	-16.14	0.67	0.07
71	230	445.00	8.08	-4.49	1.36	-11.48	1.60	0.06
71	230	497.50	9.60	-4.25	0.76	-8.85	2.15	0.02
71	230	550.00	15.72	-5.24	0.22	-17.71	2.39	-0.04
71	230	600.00	-1.63	-14.83	-0.65	16.28	2.27	-0.05
71	230	650.00	-9.97	-15.80	0.16	33.14	2.13	-0.06
71	230	700.00	-11.80	-10.18	-4.31	14.27	1.04	-0.04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-168.21	-169.47	-4.31	-43.57	-2.20	-0.14
			15.72	98.40	4.03	459.17	2.39	0.10

Macro	Tipo	Angolo 1-Z (gradi)
72	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2381 DI 2790				

		cm	kN	kN	kN	kN m	kN m	kN m
72	18	550.00	-8.85	2.19	0.04	-6.01	0.0	-2.91e-03
72	18	600.00	-8.85	2.19	0.04	-4.92	0.02	-6.60e-03
72	18	650.00	-13.46	1.12	0.02	-7.41	0.03	-8.94e-03
72	18	700.00	-0.16	1.39	-0.01	0.18	2.41e-04	-7.06e-03
72	28	550.00	-10.89	1.55	8.34e-03	-6.92	0.0	-2.20e-03
72	28	600.00	-10.89	1.55	8.34e-03	-6.15	4.17e-03	-3.66e-03
72	28	650.00	-16.64	0.21	5.14e-03	-9.42	6.74e-03	-4.03e-03
72	28	700.00	-0.12	0.65	-4.69e-03	0.21	1.57e-04	-2.73e-03
72	31	550.00	-8.45	0.79	2.30e-03	-5.23	0.0	-1.60e-03
72	31	600.00	-8.45	0.79	2.30e-03	-4.83	1.15e-03	-2.44e-03
72	31	650.00	-12.92	-0.26	1.20e-03	-7.47	1.75e-03	-2.46e-03
72	31	700.00	-0.07	0.06	-2.29e-03	0.16	1.08e-04	-1.50e-03
72	42	550.00	-6.41	4.24	1.62e-03	-5.51	0.0	8.45e-04
72	42	600.00	-6.41	4.24	1.62e-03	-3.40	8.09e-04	1.01e-03
72	42	650.00	-9.52	3.60	8.34e-03	-4.67	4.98e-03	8.71e-04
72	42	700.00	-0.21	3.30	-2.91e-03	0.14	2.57e-05	-9.69e-05
72	75	550.00	-6.22	1.97	0.03	-4.42	0.0	-1.92e-03
72	75	600.00	-6.22	1.97	0.03	-3.44	0.01	-4.52e-03
72	75	650.00	-9.43	1.24	0.02	-5.11	0.02	-6.22e-03
72	75	700.00	-0.13	1.34	-9.95e-03	0.13	1.69e-04	-5.00e-03
72	79	550.00	-7.11	1.54	7.05e-03	-4.77	0.0	-1.32e-03
72	79	600.00	-7.11	1.54	7.05e-03	-4.01	3.52e-03	-2.34e-03
72	79	650.00	-10.81	0.69	4.83e-03	-6.06	5.94e-03	-2.70e-03
72	79	700.00	-0.10	0.82	-3.70e-03	0.14	1.06e-04	-1.94e-03
72	80	550.00	-7.58	1.54	7.72e-03	-5.03	0.0	-1.45e-03
72	80	600.00	-7.58	1.54	7.72e-03	-4.26	3.86e-03	-2.56e-03
72	80	650.00	-11.55	0.63	5.25e-03	-6.45	6.48e-03	-2.95e-03
72	80	700.00	-0.10	0.85	-3.97e-03	0.15	1.13e-04	-2.12e-03
72	86	550.00	-4.60	3.34	3.24e-03	-4.09	0.0	5.81e-04
72	86	600.00	-4.60	3.34	3.24e-03	-2.42	1.62e-03	5.56e-04
72	86	650.00	-6.80	2.90	7.38e-03	-3.28	5.31e-03	3.17e-04
72	86	700.00	-0.16	2.61	-2.79e-03	0.10	2.57e-05	-3.64e-04
72	98	550.00	-6.02	2.03	0.02	-4.36	0.0	-1.58e-03
72	98	600.00	-6.02	2.03	0.02	-3.35	7.85e-03	-3.25e-03
72	98	650.00	-9.10	1.34	9.48e-03	-4.95	0.01	-4.17e-03
72	98	700.00	-0.12	1.33	-6.20e-03	0.12	1.32e-04	-3.19e-03
72	103	550.00	-5.66	2.19	0.02	-4.22	0.0	-1.47e-03
72	103	600.00	-5.66	2.19	0.02	-3.13	9.07e-03	-3.25e-03
72	103	650.00	-8.53	1.56	0.01	-4.58	0.01	-4.34e-03
72	103	700.00	-0.13	1.50	-6.93e-03	0.11	1.32e-04	-3.44e-03
72	104	550.00	-3.91	3.28	0.01	-3.69	0.0	-2.55e-04
72	104	600.00	-3.91	3.28	0.01	-2.05	6.83e-03	-1.27e-03
72	104	650.00	-5.75	2.92	0.01	-2.71	0.01	-2.16e-03
72	104	700.00	-0.16	2.56	-5.68e-03	0.09	7.60e-05	-2.16e-03
72	106	550.00	-3.86	3.27	0.02	-3.65	0.0	-4.96e-04
72	106	600.00	-3.86	3.27	0.02	-2.02	8.22e-03	-1.79e-03
72	106	650.00	-5.67	2.91	0.01	-2.67	0.01	-2.84e-03
72	106	700.00	-0.16	2.56	-6.47e-03	0.09	9.05e-05	-2.66e-03
72	107	550.00	-5.71	2.21	0.02	-4.26	0.0	-1.42e-03
72	107	600.00	-5.71	2.21	0.02	-3.16	7.90e-03	-3.04e-03
72	107	650.00	-8.61	1.56	9.92e-03	-4.62	0.01	-3.98e-03
72	107	700.00	-0.13	1.51	-6.24e-03	0.11	1.26e-04	-3.12e-03
72	109	550.00	-2.20	49.35	-0.05	-17.85	6.11e-03	-3.67e-03
72	109	600.00	-2.20	49.35	-0.05	-16.74	0.01	-6.34e-03
72	109	650.00	-3.69	52.53	-0.03	-10.94	-7.21e-03	-9.95e-03
72	109	700.00	0.64	31.33	0.02	-0.01	3.99e-03	-5.08e-03
72	113	550.00	-3.25	43.03	-0.06	-18.56	2.50e-03	-3.64e-03
72	113	600.00	-3.25	43.03	-0.06	-17.46	0.01	-6.39e-03
72	113	650.00	-4.12	45.66	-0.04	-11.12	-0.02	-0.01
72	113	700.00	0.69	25.96	0.03	-0.03	1.56e-03	-5.58e-03
72	115	550.00	-9.59	-41.73	-0.13	5.83	-0.06	-0.02
72	115	600.00	-9.59	-41.73	-0.13	6.93	-0.05	-0.02
72	115	650.00	-14.65	-45.91	-0.02	-1.05	-0.09	-0.02
72	115	700.00	-0.79	-27.60	0.07	0.19	-0.03	-9.52e-03
72	135	550.00	-9.02	-15.69	-0.36	-7.63	-0.10	-0.04
72	135	600.00	-9.02	-15.69	-0.36	-6.53	-0.09	-0.04
72	135	650.00	-12.79	-17.80	-0.11	-7.99	-0.21	-0.04
72	135	700.00	-0.10	-14.29	0.19	0.04	-0.05	-0.02
72	141	550.00	-1.76	55.32	-0.05	-19.57	6.93e-03	-3.94e-03
72	141	600.00	-1.76	55.32	-0.05	-18.46	0.01	-6.75e-03
72	141	650.00	-3.06	58.98	-0.04	-11.73	-9.62e-03	-0.01
72	141	700.00	0.74	35.10	0.02	-0.03	4.50e-03	-5.33e-03
72	145	550.00	-2.94	48.19	-0.07	-20.37	2.84e-03	-3.91e-03
72	145	600.00	-2.94	48.19	-0.07	-19.27	0.01	-6.80e-03

72	145	650.00	-3.55	51.24	-0.04	-11.94	-0.02	-0.01
72	145	700.00	0.79	29.06	0.03	-0.04	1.76e-03	-5.89e-03
72	147	550.00	-10.08	-47.29	-0.14	7.10	-0.06	-0.02
72	147	600.00	-10.08	-47.29	-0.14	8.21	-0.06	-0.02
72	147	650.00	-15.42	-51.91	-0.02	-0.60	-0.10	-0.02
72	147	700.00	-0.88	-31.29	0.08	0.20	-0.03	-0.01
72	167	550.00	-9.42	-17.96	-0.40	-8.05	-0.11	-0.04
72	167	600.00	-9.42	-17.96	-0.40	-6.95	-0.10	-0.04
72	167	650.00	-13.31	-20.25	-0.13	-8.41	-0.24	-0.04
72	167	700.00	-0.10	-16.28	0.21	0.03	-0.06	-0.02
72	173	550.00	-1.74	54.90	-0.05	-19.42	6.83e-03	-3.99e-03
72	173	600.00	-1.74	54.90	-0.05	-18.32	0.01	-6.79e-03
72	173	650.00	-3.00	58.54	-0.03	-11.62	-8.82e-03	-0.01
72	173	700.00	0.74	34.83	0.02	-0.03	4.34e-03	-5.46e-03
72	177	550.00	-2.89	47.84	-0.07	-20.21	2.49e-03	-3.94e-03
72	177	600.00	-2.89	47.84	-0.07	-19.11	0.01	-6.81e-03
72	177	650.00	-3.49	50.86	-0.04	-11.83	-0.02	-0.01
72	177	700.00	0.79	28.84	0.03	-0.04	1.46e-03	-5.96e-03
72	179	550.00	-10.07	-46.91	-0.14	7.01	-0.06	-0.02
72	179	600.00	-10.07	-46.91	-0.14	8.11	-0.06	-0.02
72	179	650.00	-15.44	-51.51	-0.02	-0.66	-0.10	-0.02
72	179	700.00	-0.87	-31.03	0.08	0.20	-0.03	-9.95e-03
72	191	550.00	-5.49	5.74	-0.34	-5.36	-0.10	-0.04
72	191	600.00	-5.49	5.74	-0.34	-4.25	-0.09	-0.04
72	191	650.00	-11.63	5.50	-0.11	-7.66	-0.20	-0.04
72	191	700.00	-0.27	3.83	0.17	0.07	-0.05	-0.02
72	205	550.00	-1.03	63.93	-0.06	-22.01	8.11e-03	-4.42e-03
72	205	600.00	-1.03	63.93	-0.06	-20.91	0.02	-7.42e-03
72	205	650.00	-1.99	68.30	-0.04	-12.79	-0.01	-0.01
72	205	700.00	0.89	40.54	0.02	-0.05	5.06e-03	-5.91e-03
72	209	550.00	-2.36	55.66	-0.08	-22.92	2.88e-03	-4.35e-03
72	209	600.00	-2.36	55.66	-0.08	-21.82	0.01	-7.43e-03
72	209	650.00	-2.55	59.32	-0.05	-13.04	-0.02	-0.01
72	209	700.00	0.94	33.53	0.04	-0.07	1.61e-03	-6.47e-03
72	211	550.00	-10.82	-55.33	-0.17	8.94	-0.07	-0.02
72	211	600.00	-10.82	-55.33	-0.17	10.04	-0.07	-0.02
72	211	650.00	-16.63	-60.61	-0.03	1.50e-03	-0.12	-0.02
72	211	700.00	-1.00	-36.60	0.09	0.21	-0.04	-0.01
72	223	550.00	-5.49	6.32	-0.40	-5.55	-0.11	-0.05
72	223	600.00	-5.49	6.32	-0.40	-4.45	-0.10	-0.05
72	223	650.00	-12.13	6.15	-0.13	-8.15	-0.24	-0.04
72	223	700.00	-0.29	4.21	0.19	0.06	-0.06	-0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-16.64	-60.61	-0.40	-22.92	-0.24	-0.05
	0.94	68.30	0.21	10.04	0.03	1.01e-03

Macro	Tipo	Angolo 1-Z (gradi)
73	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
73	4	340.00	1.08	2.76	0.39	0.35	0.02	0.31
73	4	392.50	1.08	2.76	0.35	2.81	0.30	0.40
73	4	445.00	0.89	2.69	-0.51	4.09	2.27e-06	0.27
73	18	340.00	1.09	1.58	0.65	0.29	0.03	0.51
73	18	392.50	1.09	1.58	0.58	2.02	0.51	0.66
73	18	445.00	0.90	1.68	-0.85	3.23	2.16e-06	0.44
73	33	340.00	1.16	-1.11	-0.19	0.16	-8.01e-03	-0.15
73	33	392.50	1.16	-1.11	-0.17	0.21	-0.15	-0.19
73	33	445.00	0.93	-0.63	0.26	1.20	1.45e-06	-0.13
73	55	340.00	0.82	2.28	3.40e-03	0.28	7.47e-05	2.96e-03
73	55	392.50	0.82	2.28	3.86e-03	2.26	-1.38e-03	3.82e-03
73	55	445.00	0.67	2.20	1.61e-03	3.23	1.65e-06	2.56e-03
73	75	340.00	0.85	0.68	0.44	0.20	0.02	0.34
73	75	392.50	0.85	0.68	0.39	1.19	0.34	0.44
73	75	445.00	0.69	0.83	-0.57	2.08	1.55e-06	0.30
73	81	340.00	0.89	-1.11	-0.13	0.11	-5.32e-03	-0.10
73	81	392.50	0.89	-1.11	-0.11	-0.02	-0.10	-0.13
73	81	445.00	0.71	-0.71	0.17	0.73	1.08e-06	-0.09
73	85	340.00	0.88	-1.67	-0.21	0.08	-8.93e-03	-0.17
73	85	392.50	0.88	-1.67	-0.19	-0.39	-0.17	-0.22

73	85	445.00	0.70	-1.19	0.28	0.30	0.0	-0.15
73	91	340.00	0.84	1.16	3.32e-03	0.22	8.33e-05	2.46e-03
73	91	392.50	0.84	1.16	3.71e-03	1.50	-1.10e-03	3.17e-03
73	91	445.00	0.68	1.23	1.21e-03	2.39	1.48e-06	2.12e-03
73	98	340.00	0.85	0.34	3.24e-03	0.18	8.86e-05	2.09e-03
73	98	392.50	0.85	0.34	3.57e-03	0.95	-8.94e-04	2.69e-03
73	98	445.00	0.69	0.52	9.19e-04	1.78	1.34e-06	1.81e-03
73	99	340.00	0.87	-1.47	3.06e-03	0.09	1.00e-04	1.28e-03
73	99	392.50	0.87	-1.47	3.28e-03	-0.27	-4.50e-04	1.64e-03
73	99	445.00	0.70	-1.04	2.92e-04	0.43	1.06e-06	1.11e-03
73	103	340.00	0.85	0.08	0.09	0.17	3.72e-03	0.07
73	103	392.50	0.85	0.08	0.08	0.78	0.07	0.09
73	103	445.00	0.69	0.30	-0.11	1.60	1.33e-06	0.06
73	104	340.00	0.87	-1.59	-0.04	0.09	-1.71e-03	-0.03
73	104	392.50	0.87	-1.59	-0.03	-0.35	-0.03	-0.04
73	104	445.00	0.70	-1.14	0.06	0.34	1.01e-06	-0.03
73	106	340.00	0.87	-1.57	3.05e-03	0.09	1.01e-04	1.24e-03
73	106	392.50	0.87	-1.57	3.26e-03	-0.34	-4.20e-04	1.59e-03
73	106	445.00	0.70	-1.13	2.50e-04	0.35	1.03e-06	1.08e-03
73	107	340.00	0.85	0.06	3.21e-03	0.17	9.04e-05	1.97e-03
73	107	392.50	0.85	0.06	3.53e-03	0.77	-8.26e-04	2.54e-03
73	107	445.00	0.69	0.29	8.23e-04	1.58	1.30e-06	1.71e-03
73	108	340.00	2.08	45.99	-0.02	-0.23	-2.80e-03	0.09
73	108	392.50	5.87	47.02	-0.10	44.87	0.01	0.09
73	108	445.00	3.19	42.33	0.05	39.80	-0.02	0.08
73	113	340.00	2.09	45.38	-0.08	-0.22	-8.14e-03	0.06
73	113	392.50	5.89	46.39	-0.18	44.77	-0.03	0.06
73	113	445.00	3.20	42.00	0.13	39.71	-0.04	0.06
73	114	340.00	-0.40	-45.25	0.08	0.56	8.32e-03	-0.05
73	114	392.50	-4.19	-46.26	0.19	-43.24	0.03	-0.05
73	114	445.00	-1.82	-41.42	-0.13	-36.55	0.04	-0.05
73	124	340.00	1.67	32.83	0.09	-0.12	7.34e-03	0.09
73	124	392.50	4.29	33.56	0.07	31.61	0.06	0.09
73	124	445.00	2.42	29.97	-0.11	28.32	0.03	0.08
73	140	340.00	2.23	51.73	-0.02	-0.28	-3.17e-03	0.10
73	140	392.50	6.49	52.88	-0.11	50.38	0.01	0.10
73	140	445.00	3.50	47.57	0.05	44.57	-0.02	0.09
73	145	340.00	2.25	51.04	-0.09	-0.27	-9.17e-03	0.07
73	145	392.50	6.51	52.18	-0.20	50.26	-0.03	0.07
73	145	445.00	3.51	47.20	0.15	44.46	-0.04	0.06
73	146	340.00	-0.55	-50.91	0.09	0.61	9.35e-03	-0.06
73	146	392.50	-4.82	-52.05	0.21	-48.73	0.03	-0.06
73	146	445.00	-2.14	-46.63	-0.14	-41.31	0.04	-0.06
73	156	340.00	1.77	36.89	0.10	-0.15	8.23e-03	0.10
73	156	392.50	4.72	37.71	0.08	35.43	0.07	0.10
73	156	445.00	2.63	33.65	-0.13	31.63	0.03	0.08
73	172	340.00	2.17	49.24	-0.02	-0.25	-3.22e-03	0.09
73	172	392.50	6.22	50.34	-0.11	47.98	0.01	0.09
73	172	445.00	3.37	45.29	0.05	42.49	-0.02	0.08
73	177	340.00	2.18	48.53	-0.09	-0.25	-9.09e-03	0.06
73	177	392.50	6.24	49.62	-0.20	47.86	-0.03	0.06
73	177	445.00	3.37	44.91	0.14	42.39	-0.04	0.06
73	178	340.00	-0.49	-48.40	0.09	0.58	9.27e-03	-0.06
73	178	392.50	-4.54	-49.49	0.20	-46.33	0.03	-0.06
73	178	445.00	-2.00	-44.34	-0.14	-39.23	0.04	-0.05
73	188	340.00	1.73	35.40	0.10	-0.14	8.02e-03	0.10
73	188	392.50	4.56	36.19	0.08	33.97	0.07	0.10
73	188	445.00	2.55	32.27	-0.13	30.37	0.03	0.08
73	204	340.00	2.36	56.42	-0.03	-0.31	-3.83e-03	0.11
73	204	392.50	7.01	57.68	-0.13	54.87	0.01	0.11
73	204	445.00	3.76	51.86	0.06	48.47	-0.02	0.09
73	209	340.00	2.38	55.59	-0.10	-0.31	-0.01	0.07
73	209	392.50	7.03	56.83	-0.23	54.74	-0.04	0.07
73	209	445.00	3.77	51.42	0.17	48.34	-0.05	0.07
73	210	340.00	-0.68	-55.46	0.11	0.64	0.01	-0.07
73	210	392.50	-5.33	-56.70	0.23	-53.21	0.03	-0.06
73	210	445.00	-2.39	-50.84	-0.17	-45.19	0.05	-0.06
73	220	340.00	1.86	40.72	0.12	-0.19	9.32e-03	0.11
73	220	392.50	5.11	41.62	0.09	38.95	0.08	0.11
73	220	445.00	2.83	37.07	-0.15	34.68	0.04	0.09

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-5.33	-56.70	-0.85	-53.21	-0.17	-0.22
	7.03	57.68	0.65	54.87	0.51	0.66

Macro	Tipo	Angolo 1-Z (gradi)
74	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
74	11	910.00	-2.26	0.05	1.14	-1.29	-1.13e-06	-0.23
74	11	960.00	-2.26	0.05	1.14	-1.27	0.57	-0.37
74	11	1010.00	-3.31	0.28	0.08	1.57	0.61	-0.41
74	11	1060.00	-2.59	0.95	-1.11	0.92	0.02	-0.36
74	19	910.00	-1.13	-2.37	1.88	0.95	0.0	-0.38
74	19	960.00	-1.13	-2.37	1.88	-0.24	0.94	-0.61
74	19	1010.00	-1.52	-2.91	0.12	0.40	1.00	-0.68
74	19	1060.00	-1.69	-2.71	-1.82	0.32	0.03	-0.60
74	41	910.00	-1.28	-3.65	-0.93	0.90	-1.30e-06	0.19
74	41	960.00	-1.28	-3.65	-0.93	-0.92	-0.47	0.31
74	41	1010.00	-1.81	-4.79	-0.05	-0.13	-0.49	0.34
74	41	1060.00	-2.17	-4.66	0.90	0.36	-0.02	0.31
74	45	910.00	-0.88	-3.23	-0.93	0.96	-1.02e-06	0.19
74	45	960.00	-0.88	-3.23	-0.93	-0.66	-0.47	0.31
74	45	1010.00	-1.24	-4.26	-0.05	-0.27	-0.49	0.34
74	45	1060.00	-1.62	-4.22	0.90	0.22	-0.02	0.30
74	71	910.00	-1.62	-0.45	0.76	-0.66	0.0	-0.15
74	71	960.00	-1.62	-0.45	0.76	-0.89	0.38	-0.24
74	71	1010.00	-2.35	-0.44	0.05	1.01	0.41	-0.27
74	71	1060.00	-1.94	-4.00e-04	-0.74	0.64	0.01	-0.24
74	72	910.00	-1.13	-2.35	1.26	0.80	0.0	-0.25
74	72	960.00	-1.13	-2.35	1.26	-0.38	0.63	-0.41
74	72	1010.00	-1.54	-2.92	0.08	0.33	0.67	-0.45
74	72	1060.00	-1.70	-2.74	-1.22	0.33	0.02	-0.40
74	85	910.00	-0.96	-2.92	-0.62	0.81	-1.00e-06	0.13
74	85	960.00	-0.96	-2.92	-0.62	-0.66	-0.31	0.21
74	85	1010.00	-1.35	-3.82	-0.03	-0.12	-0.33	0.23
74	85	1060.00	-1.65	-3.74	0.60	0.26	-0.01	0.20
74	99	910.00	-1.13	-2.55	6.85e-03	0.79	0.0	-5.75e-05
74	99	960.00	-1.13	-2.55	6.88e-03	-0.48	3.43e-03	7.32e-04
74	99	1010.00	-1.59	-3.27	3.74e-03	0.28	5.30e-03	1.39e-03
74	99	1060.00	-1.73	-3.12	-7.71e-03	0.38	2.89e-04	2.19e-03
74	102	910.00	-1.06	-2.62	0.26	0.79	0.0	-0.05
74	102	960.00	-1.06	-2.62	0.26	-0.52	0.13	-0.08
74	102	1010.00	-1.46	-3.35	0.02	0.11	0.14	-0.09
74	102	1060.00	-1.68	-3.22	-0.25	0.30	4.68e-03	-0.08
74	104	910.00	-1.02	-2.73	-0.12	0.79	0.0	0.03
74	104	960.00	-1.02	-2.73	-0.12	-0.57	-0.06	0.04
74	104	1010.00	-1.42	-3.53	-4.06e-03	0.02	-0.06	0.05
74	104	1060.00	-1.67	-3.42	0.11	0.29	-1.92e-03	0.04
74	106	910.00	-1.04	-2.68	6.83e-03	0.79	0.0	-6.39e-05
74	106	960.00	-1.04	-2.68	6.85e-03	-0.55	3.42e-03	7.16e-04
74	106	1010.00	-1.44	-3.46	3.63e-03	0.06	5.24e-03	1.37e-03
74	106	1060.00	-1.67	-3.34	-7.58e-03	0.29	2.84e-04	2.17e-03
74	107	910.00	-1.10	-1.53	0.01	-0.47	0.0	-3.23e-05
74	107	960.00	-1.10	-1.53	0.01	-1.24	5.46e-03	1.15e-03
74	107	1010.00	-1.53	-1.97	4.88e-03	-0.20	7.90e-03	2.10e-03
74	107	1060.00	-1.66	-1.73	-0.01	0.20	4.62e-04	3.15e-03
74	111	910.00	3.23	-14.72	-0.34	18.65	-8.77e-03	-0.03
74	111	960.00	3.23	-14.72	-0.34	17.88	-3.31e-03	-0.02
74	111	1010.00	1.56	-15.48	-0.02	13.83	-0.04	-2.64e-03
74	111	1060.00	-2.02	-13.52	0.07	2.14	-0.06	0.03
74	124	910.00	-7.10	9.49	0.68	-10.30	0.14	-0.07
74	124	960.00	-7.10	9.49	0.68	-11.07	0.15	-0.08
74	124	1010.00	-5.61	9.77	0.02	-7.83	0.30	-0.12
74	124	1060.00	-1.85	8.66	-0.57	-0.35	0.12	-0.13
74	127	910.00	4.90	-12.56	-0.66	9.36	-0.14	0.07
74	127	960.00	4.90	-12.56	-0.66	8.59	-0.14	0.08
74	127	1010.00	2.54	-13.71	-9.03e-03	7.44	-0.29	0.12
74	127	1060.00	-1.47	-12.12	0.54	0.75	-0.12	0.14
74	131	910.00	4.73	-12.01	-0.55	8.11	-0.14	0.10
74	131	960.00	4.73	-12.01	-0.55	7.34	-0.14	0.11
74	131	1010.00	2.42	-13.25	4.04e-03	6.54	-0.28	0.15
74	131	1060.00	-1.45	-11.79	0.54	0.61	-0.10	0.16
74	143	910.00	3.77	-16.36	-0.38	21.03	-9.87e-03	-0.03
74	143	960.00	3.77	-16.36	-0.38	20.26	-4.41e-03	-0.03
74	143	1010.00	1.95	-17.15	-0.02	15.58	-0.04	-3.23e-03
74	143	1060.00	-2.06	-14.98	0.09	2.38	-0.07	0.03

74	156	910.00	-7.84	10.86	0.76	-11.53	0.16	-0.08
74	156	960.00	-7.84	10.86	0.76	-12.29	0.17	-0.09
74	156	1010.00	-6.11	11.23	0.02	-8.78	0.34	-0.13
74	156	1060.00	-1.88	9.95	-0.64	-0.42	0.13	-0.15
74	159	910.00	5.64	-13.92	-0.74	10.58	-0.16	0.08
74	159	960.00	5.64	-13.92	-0.74	9.82	-0.16	0.09
74	159	1010.00	3.05	-15.16	-0.01	8.39	-0.33	0.14
74	159	1060.00	-1.45	-13.41	0.61	0.82	-0.13	0.16
74	163	910.00	5.44	-13.27	-0.62	9.13	-0.16	0.12
74	163	960.00	5.44	-13.27	-0.62	8.37	-0.15	0.13
74	163	1010.00	2.90	-14.62	3.92e-03	7.35	-0.32	0.17
74	163	1060.00	-1.42	-13.01	0.61	0.66	-0.11	0.18
74	175	910.00	3.47	-15.44	-0.37	19.82	-0.01	-0.03
74	175	960.00	3.47	-15.44	-0.37	19.05	-5.39e-03	-0.03
74	175	1010.00	1.73	-16.20	-0.02	14.69	-0.04	-1.81e-03
74	175	1060.00	-2.04	-14.15	0.09	2.26	-0.07	0.03
74	188	910.00	-7.51	10.36	0.75	-11.11	0.16	-0.08
74	188	960.00	-7.51	10.36	0.75	-11.87	0.17	-0.09
74	188	1010.00	-5.88	10.72	0.02	-8.47	0.34	-0.13
74	188	1060.00	-1.86	9.50	-0.63	-0.41	0.13	-0.15
74	191	910.00	5.31	-13.42	-0.73	10.16	-0.16	0.08
74	191	960.00	5.31	-13.42	-0.73	9.40	-0.15	0.09
74	191	1010.00	2.81	-14.65	-0.01	8.08	-0.32	0.13
74	191	1060.00	-1.46	-12.96	0.60	0.80	-0.13	0.16
74	195	910.00	5.09	-12.66	-0.61	8.55	-0.16	0.11
74	195	960.00	5.09	-12.66	-0.61	7.79	-0.15	0.12
74	195	1010.00	2.64	-13.99	3.71e-03	6.91	-0.31	0.16
74	195	1060.00	-1.43	-12.45	0.60	0.62	-0.11	0.17
74	207	910.00	4.10	-17.35	-0.43	22.67	-0.01	-0.04
74	207	960.00	4.10	-17.35	-0.43	21.91	-7.58e-03	-0.03
74	207	1010.00	2.18	-18.15	-0.03	16.79	-0.05	-1.97e-03
74	207	1060.00	-2.09	-15.84	0.10	2.55	-0.08	0.03
74	220	910.00	-8.46	12.14	0.87	-12.70	0.19	-0.09
74	220	960.00	-8.46	12.14	0.87	-13.47	0.19	-0.10
74	220	1010.00	-6.52	12.63	0.02	-9.72	0.39	-0.15
74	220	1060.00	-1.89	11.20	-0.73	-0.50	0.15	-0.17
74	223	910.00	6.26	-15.21	-0.85	11.76	-0.19	0.09
74	223	960.00	6.26	-15.21	-0.85	10.99	-0.18	0.10
74	223	1010.00	3.45	-16.57	-0.01	9.32	-0.38	0.16
74	223	1060.00	-1.44	-14.66	0.70	0.90	-0.15	0.18
74	227	910.00	5.99	-14.31	-0.72	9.88	-0.18	0.13
74	227	960.00	5.99	-14.31	-0.72	9.11	-0.18	0.14
74	227	1010.00	3.25	-15.79	3.57e-03	7.96	-0.36	0.19
74	227	1060.00	-1.40	-14.07	0.71	0.68	-0.13	0.20

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-8.46	-18.15	-1.82	-13.47	-0.49	-0.68
	6.26	12.63	1.88	22.67	1.00	0.34

Macro	Tipo	Angolo 1-Z (gradi)
75	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
75	4	550.00	-24.44	10.31	0.10	-30.92	0.0	-5.63e-04
75	4	600.00	-24.44	10.31	0.10	-25.77	0.05	-0.01
75	4	650.00	-38.05	12.04	0.33	-36.51	0.21	-7.12e-03
75	4	700.00	0.32	16.59	-0.09	0.88	3.14e-03	-0.03
75	11	550.00	-22.42	10.80	0.08	-29.09	0.0	-1.65e-03
75	11	600.00	-22.42	10.80	0.08	-23.70	0.04	-0.01
75	11	650.00	-34.97	12.87	0.27	-33.13	0.17	-7.73e-03
75	11	700.00	0.23	16.83	-0.08	0.83	2.58e-03	-0.02
75	28	550.00	-25.49	10.09	0.08	-31.84	0.0	-4.80e-04
75	28	600.00	-25.49	10.09	0.08	-26.81	0.04	-9.57e-03
75	28	650.00	-39.44	11.65	0.29	-37.92	0.18	-5.14e-03
75	28	700.00	0.35	16.45	-0.08	0.90	2.72e-03	-0.02
75	68	550.00	-16.95	7.75	0.07	-21.83	0.0	-4.80e-04
75	68	600.00	-16.95	7.75	0.07	-17.96	0.03	-8.17e-03
75	68	650.00	-26.41	9.15	0.23	-25.26	0.15	-5.05e-03
75	68	700.00	0.19	12.20	-0.06	0.61	2.17e-03	-0.02
75	71	550.00	-15.60	8.07	0.06	-20.61	0.0	-1.21e-03
75	71	600.00	-15.60	8.07	0.06	-16.58	0.03	-7.95e-03

75	71	650.00	-24.35	9.71	0.18	-23.01	0.12	-5.46e-03
75	71	700.00	0.13	12.36	-0.05	0.58	1.80e-03	-0.02
75	80	550.00	-17.65	7.60	0.06	-22.44	0.0	-4.25e-04
75	80	600.00	-17.65	7.60	0.06	-18.65	0.03	-6.79e-03
75	80	650.00	-27.34	8.89	0.20	-26.20	0.13	-3.73e-03
75	80	700.00	0.21	12.11	-0.06	0.63	1.89e-03	-0.02
75	98	550.00	-13.93	7.18	0.05	-18.50	0.0	-4.50e-04
75	98	600.00	-13.93	7.18	0.05	-14.92	0.03	-6.49e-03
75	98	650.00	-21.66	8.62	0.18	-20.68	0.12	-3.95e-03
75	98	700.00	0.10	10.93	-0.05	0.50	1.72e-03	-0.02
75	101	550.00	-13.55	7.32	0.05	-18.18	0.0	-7.26e-04
75	101	600.00	-13.55	7.32	0.05	-14.52	0.02	-6.46e-03
75	101	650.00	-21.08	8.84	0.17	-20.02	0.11	-4.13e-03
75	101	700.00	0.08	11.03	-0.05	0.50	1.60e-03	-0.01
75	107	550.00	-13.15	7.16	0.05	-17.69	0.0	-5.23e-04
75	107	600.00	-13.15	7.16	0.05	-14.12	0.02	-6.21e-03
75	107	650.00	-20.45	8.64	0.17	-19.46	0.11	-3.84e-03
75	107	700.00	0.07	10.76	-0.05	0.48	1.61e-03	-0.01
75	112	550.00	-2.23	56.01	0.13	-36.22	0.02	-2.22e-04
75	112	600.00	-2.23	56.01	0.13	-32.65	0.04	-2.05e-03
75	112	650.00	-8.16	74.51	0.46	-27.85	0.21	3.43e-03
75	112	700.00	0.77	65.27	-0.15	-0.76	0.03	-0.03
75	124	550.00	7.99	35.83	0.31	-24.03	0.06	0.04
75	124	600.00	7.99	35.83	0.31	-20.46	0.09	0.04
75	124	650.00	-13.84	47.71	0.78	-11.68	0.39	0.06
75	124	700.00	-0.01	45.28	-0.37	0.52	0.07	6.82e-03
75	127	550.00	-34.29	-21.52	-0.21	-11.35	-0.06	-0.04
75	127	600.00	-34.29	-21.52	-0.21	-7.78	-0.04	-0.05
75	127	650.00	-27.05	-30.42	-0.44	-27.24	-0.17	-0.07
75	127	700.00	0.15	-23.77	0.28	0.44	-0.07	-0.04
75	129	550.00	-30.70	3.03	-0.21	-22.62	-0.06	-0.05
75	129	600.00	-30.70	3.03	-0.21	-19.05	-0.04	-0.06
75	129	650.00	-22.13	1.75	-0.36	-32.78	-0.15	-0.07
75	129	700.00	0.39	2.85	0.26	-0.25	-0.07	-0.05
75	144	550.00	-0.86	62.20	0.15	-38.58	0.02	-2.15e-04
75	144	600.00	-0.86	62.20	0.15	-35.00	0.04	-1.56e-03
75	144	650.00	-6.61	82.85	0.50	-28.92	0.23	4.30e-03
75	144	700.00	0.86	72.17	-0.17	-0.92	0.03	-0.03
75	156	550.00	10.65	39.44	0.35	-24.83	0.07	0.04
75	156	600.00	10.65	39.44	0.35	-21.26	0.10	0.04
75	156	650.00	-13.02	52.63	0.86	-10.71	0.43	0.07
75	156	700.00	-0.02	49.63	-0.41	0.53	0.08	9.51e-03
75	159	550.00	-36.95	-25.13	-0.25	-10.55	-0.07	-0.04
75	159	600.00	-36.95	-25.13	-0.25	-6.98	-0.05	-0.06
75	159	650.00	-27.87	-35.34	-0.52	-28.21	-0.21	-0.07
75	159	700.00	0.16	-28.12	0.32	0.43	-0.08	-0.04
75	161	550.00	-32.91	2.56	-0.24	-23.91	-0.07	-0.06
75	161	600.00	-32.91	2.56	-0.24	-19.69	-0.05	-0.07
75	161	650.00	-22.33	0.94	-0.42	-34.46	-0.18	-0.08
75	161	700.00	0.43	1.89	0.30	-0.34	-0.07	-0.05
75	176	550.00	-1.05	61.78	0.14	-38.54	0.02	-5.16e-04
75	176	600.00	-1.05	61.78	0.14	-34.97	0.04	-2.02e-03
75	176	650.00	-6.79	82.28	0.49	-28.94	0.22	3.64e-03
75	176	700.00	0.86	71.70	-0.16	-0.91	0.03	-0.03
75	188	550.00	10.41	39.11	0.34	-24.80	0.07	0.04
75	188	600.00	10.41	39.11	0.34	-21.23	0.10	0.04
75	188	650.00	-13.16	52.21	0.84	-10.85	0.42	0.06
75	188	700.00	-0.02	49.27	-0.41	0.53	0.08	9.31e-03
75	191	550.00	-36.70	-24.80	-0.24	-10.58	-0.07	-0.04
75	191	600.00	-36.70	-24.80	-0.24	-7.01	-0.05	-0.06
75	191	650.00	-27.73	-34.92	-0.51	-28.07	-0.20	-0.07
75	191	700.00	0.16	-27.76	0.31	0.43	-0.08	-0.04
75	193	550.00	-32.72	2.95	-0.23	-23.39	-0.07	-0.06
75	193	600.00	-32.72	2.95	-0.23	-19.82	-0.05	-0.07
75	193	650.00	-22.22	1.43	-0.42	-34.39	-0.18	-0.08
75	193	700.00	0.43	2.31	0.30	-0.35	-0.07	-0.05
75	208	550.00	0.94	71.16	0.15	-42.21	0.02	-7.26e-04
75	208	600.00	0.94	71.16	0.15	-38.64	0.04	-1.60e-03
75	208	650.00	-4.52	94.91	0.53	-30.65	0.24	4.51e-03
75	208	700.00	0.99	82.16	-0.18	-1.16	0.03	-0.04
75	220	550.00	14.37	44.50	0.39	-26.03	0.08	0.05
75	220	600.00	14.37	44.50	0.39	-22.46	0.11	0.05
75	220	650.00	-11.98	59.58	0.95	-9.45	0.47	0.08
75	220	700.00	-0.03	55.80	-0.46	0.54	0.09	0.01
75	223	550.00	-40.66	-30.18	-0.29	-9.35	-0.08	-0.05

75	223	600.00	-40.66	-30.18	-0.29	-5.77	-0.06	-0.06
75	223	650.00	-28.91	-42.29	-0.62	-29.47	-0.25	-0.08
75	223	700.00	0.17	-34.29	0.37	0.42	-0.09	-0.04
75	225	550.00	-35.98	2.67	-0.28	-24.57	-0.08	-0.07
75	225	600.00	-35.98	2.67	-0.28	-20.99	-0.06	-0.08
75	225	650.00	-22.40	0.76	-0.51	-36.99	-0.23	-0.10
75	225	700.00	0.49	1.32	0.35	-0.50	-0.09	-0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-40.66	-42.29	-0.62	-42.21	-0.25	-0.10
	14.37	94.91	0.95	0.90	0.47	0.08

Macro	Tipo	Angolo 1-Z (gradi)
76	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
76	4	340.00	-23.25	8.17	0.08	-29.66	0.0	5.02e-03
76	4	392.50	-23.25	8.17	0.08	-25.38	0.04	2.87e-03
76	4	445.00	-29.58	8.01	0.04	-30.67	0.07	3.82e-03
76	4	497.50	-32.70	7.97	0.02	-32.03	0.09	3.63e-03
76	4	550.00	-35.12	7.94	0.02	-32.53	0.10	3.33e-03
76	4	600.00	-37.04	7.91	0.06	-32.59	0.11	3.27e-03
76	4	650.00	-39.61	7.91	0.36	-33.43	0.17	8.65e-03
76	4	700.00	-38.14	5.69	-0.38	-31.54	0.0	-0.03
76	19	340.00	-6.55	4.57	0.02	-8.77	0.0	2.90e-03
76	19	392.50	-6.55	4.57	0.02	-6.37	9.01e-03	3.85e-03
76	19	445.00	-9.25	4.53	0.02	-8.63	0.02	2.79e-03
76	19	497.50	-10.49	4.51	0.01	-9.08	0.02	2.25e-03
76	19	550.00	-11.48	4.50	7.67e-03	-9.24	0.03	1.55e-03
76	19	600.00	-12.28	4.48	0.03	-9.24	0.04	1.25e-03
76	19	650.00	-13.40	4.46	0.22	-9.62	0.07	5.17e-03
76	19	700.00	-12.51	2.55	-0.17	-8.95	0.0	-0.01
76	28	340.00	-28.14	8.59	0.09	-35.73	0.0	2.65e-03
76	28	392.50	-28.14	8.59	0.09	-31.23	0.05	-2.51e-03
76	28	445.00	-34.07	8.37	0.03	-35.82	0.08	9.24e-04
76	28	497.50	-36.89	8.34	0.02	-36.61	0.09	1.65e-03
76	28	550.00	-38.96	8.31	0.01	-36.48	0.09	2.44e-03
76	28	600.00	-40.51	8.28	0.04	-35.89	0.10	3.13e-03
76	28	650.00	-42.63	8.30	0.25	-35.99	0.14	7.25e-03
76	28	700.00	-40.91	6.02	-0.30	-33.72	0.0	-0.02
76	35	340.00	-27.23	8.74	0.09	-34.60	0.0	2.50e-03
76	35	392.50	-27.23	8.74	0.09	-30.02	0.05	-2.58e-03
76	35	445.00	-33.01	8.54	0.03	-34.34	0.07	6.66e-04
76	35	497.50	-35.75	8.50	0.01	-34.95	0.08	1.32e-03
76	35	550.00	-37.77	8.47	8.13e-03	-34.68	0.09	2.06e-03
76	35	600.00	-39.29	8.44	0.03	-33.97	0.09	2.71e-03
76	35	650.00	-41.33	8.44	0.22	-33.89	0.12	6.84e-03
76	35	700.00	-39.50	5.59	-0.26	-31.71	0.0	-0.02
76	68	340.00	-16.61	6.05	0.06	-21.24	0.0	3.52e-03
76	68	392.50	-16.61	6.05	0.06	-18.07	0.03	1.94e-03
76	68	445.00	-21.07	5.93	0.03	-21.75	0.05	2.65e-03
76	68	497.50	-23.24	5.90	0.02	-22.63	0.06	2.51e-03
76	68	550.00	-24.90	5.88	0.01	-22.90	0.07	2.31e-03
76	68	600.00	-26.22	5.86	0.04	-22.85	0.08	2.26e-03
76	68	650.00	-27.99	5.86	0.25	-23.36	0.12	6.15e-03
76	68	700.00	-26.87	4.12	-0.26	-21.99	0.0	-0.02
76	72	340.00	-8.50	4.80	0.02	-11.19	0.0	2.61e-03
76	72	392.50	-8.50	4.80	0.02	-8.67	0.01	2.67e-03
76	72	445.00	-11.26	4.74	0.02	-10.88	0.02	2.27e-03
76	72	497.50	-12.50	4.73	9.28e-03	-11.22	0.03	1.90e-03
76	72	550.00	-13.46	4.71	6.56e-03	-11.23	0.03	1.42e-03
76	72	600.00	-14.21	4.69	0.03	-11.06	0.04	1.23e-03
76	72	650.00	-15.27	4.67	0.19	-11.27	0.07	4.73e-03
76	72	700.00	-14.29	2.74	-0.16	-10.45	0.0	-0.01
76	80	340.00	-19.87	6.32	0.06	-25.28	0.0	1.95e-03
76	80	392.50	-19.87	6.32	0.06	-21.97	0.03	-1.65e-03
76	80	445.00	-24.06	6.17	0.02	-25.19	0.05	7.16e-04
76	80	497.50	-26.03	6.15	0.01	-25.69	0.06	1.19e-03
76	80	550.00	-27.46	6.13	8.32e-03	-25.53	0.07	1.71e-03
76	80	600.00	-28.53	6.11	0.03	-25.06	0.07	2.17e-03
76	80	650.00	-30.01	6.11	0.18	-25.07	0.10	5.21e-03

76	80	700.00	-28.72	4.34	-0.21	-23.44	0.0	-0.01
76	83	340.00	-19.26	6.43	0.06	-24.53	0.0	1.85e-03
76	83	392.50	-19.26	6.43	0.06	-21.16	0.03	-1.70e-03
76	83	445.00	-23.35	6.28	0.02	-24.20	0.05	5.44e-04
76	83	497.50	-25.27	6.26	8.35e-03	-24.58	0.06	9.77e-04
76	83	550.00	-26.68	6.24	5.58e-03	-24.33	0.06	1.46e-03
76	83	600.00	-27.72	6.21	0.02	-23.77	0.06	1.89e-03
76	83	650.00	-29.14	6.21	0.16	-23.67	0.09	4.94e-03
76	83	700.00	-27.78	4.05	-0.19	-22.10	0.0	-0.01
76	98	340.00	-15.34	5.61	0.05	-19.67	0.0	2.55e-03
76	98	392.50	-15.34	5.61	0.05	-16.73	0.03	4.22e-04
76	98	445.00	-18.91	5.49	0.02	-19.54	0.05	1.64e-03
76	98	497.50	-20.55	5.47	0.01	-19.99	0.05	1.70e-03
76	98	550.00	-21.76	5.45	8.74e-03	-19.91	0.06	1.72e-03
76	98	600.00	-22.66	5.43	0.03	-19.57	0.07	1.78e-03
76	98	650.00	-23.92	5.43	0.18	-19.66	0.09	4.72e-03
76	98	700.00	-22.80	3.78	-0.20	-18.34	0.0	-0.01
76	101	340.00	-15.22	5.66	0.05	-19.51	0.0	2.53e-03
76	101	392.50	-15.22	5.66	0.05	-16.54	0.03	4.07e-04
76	101	445.00	-18.77	5.55	0.02	-19.31	0.04	1.59e-03
76	101	497.50	-20.41	5.53	0.01	-19.72	0.05	1.63e-03
76	101	550.00	-21.61	5.51	7.80e-03	-19.61	0.06	1.63e-03
76	101	600.00	-22.52	5.49	0.03	-19.24	0.06	1.69e-03
76	101	650.00	-23.78	5.48	0.17	-19.30	0.09	4.64e-03
76	101	700.00	-22.62	3.69	-0.20	-17.99	0.0	-0.01
76	102	340.00	-10.69	4.99	0.03	-13.90	0.0	2.00e-03
76	102	392.50	-10.69	4.99	0.03	-11.28	0.02	7.52e-04
76	102	445.00	-13.28	4.91	0.01	-13.19	0.03	1.33e-03
76	102	497.50	-14.40	4.90	6.94e-03	-13.29	0.03	1.24e-03
76	102	550.00	-15.20	4.88	4.07e-03	-13.01	0.04	1.10e-03
76	102	600.00	-15.78	4.86	0.02	-12.55	0.04	1.07e-03
76	102	650.00	-16.63	4.84	0.14	-12.41	0.06	3.79e-03
76	102	700.00	-15.54	2.88	-0.13	-11.42	0.0	-8.87e-03
76	103	340.00	-14.21	5.48	0.05	-18.26	0.0	2.60e-03
76	103	392.50	-14.21	5.48	0.05	-15.39	0.03	8.80e-04
76	103	445.00	-17.67	5.37	0.02	-18.14	0.04	1.80e-03
76	103	497.50	-19.27	5.35	0.01	-18.59	0.05	1.77e-03
76	103	550.00	-20.45	5.33	8.61e-03	-18.54	0.06	1.70e-03
76	103	600.00	-21.34	5.31	0.03	-18.25	0.06	1.72e-03
76	103	650.00	-22.59	5.31	0.19	-18.38	0.09	4.79e-03
76	103	700.00	-21.49	3.62	-0.20	-17.14	0.0	-0.01
76	106	340.00	-11.24	5.04	0.04	-14.58	0.0	1.84e-03
76	106	392.50	-11.24	5.04	0.04	-11.94	0.02	2.72e-04
76	106	445.00	-13.79	4.96	0.01	-13.77	0.03	1.09e-03
76	106	497.50	-14.87	4.94	6.36e-03	-13.81	0.04	1.07e-03
76	106	550.00	-15.64	4.92	3.44e-03	-13.46	0.04	1.01e-03
76	106	600.00	-16.17	4.91	0.02	-12.93	0.04	1.03e-03
76	106	650.00	-16.97	4.89	0.12	-12.70	0.06	3.56e-03
76	106	700.00	-15.85	2.92	-0.13	-11.66	0.0	-8.13e-03
76	107	340.00	-14.76	5.52	0.05	-18.94	0.0	2.45e-03
76	107	392.50	-14.76	5.52	0.05	-16.04	0.03	4.01e-04
76	107	445.00	-18.18	5.41	0.02	-18.72	0.04	1.56e-03
76	107	497.50	-19.74	5.39	0.01	-19.11	0.05	1.61e-03
76	107	550.00	-20.88	5.37	7.98e-03	-18.99	0.06	1.62e-03
76	107	600.00	-21.73	5.35	0.03	-18.62	0.06	1.68e-03
76	107	650.00	-22.93	5.35	0.17	-18.66	0.09	4.55e-03
76	107	700.00	-21.80	3.66	-0.19	-17.38	0.0	-0.01
76	108	340.00	-25.72	21.38	0.51	-25.88	0.12	-0.02
76	108	392.50	-25.72	21.38	0.51	-22.99	0.14	-0.02
76	108	445.00	10.40	20.17	0.26	23.41	0.34	-0.02
76	108	497.50	-4.25	19.32	0.10	16.26	0.45	-0.02
76	108	550.00	-12.63	17.22	-0.05	14.94	0.50	7.45e-03
76	108	600.00	-19.08	17.12	-0.17	15.63	0.51	0.05
76	108	650.00	-24.46	17.03	-0.39	17.30	0.32	0.06
76	108	700.00	-26.11	6.24	-0.42	20.10	0.05	0.02
76	124	340.00	13.95	12.02	0.71	18.85	0.17	-0.03
76	124	392.50	13.95	12.02	0.71	21.75	0.20	-0.03
76	124	445.00	19.49	10.93	0.41	30.19	0.49	-0.03
76	124	497.50	10.73	10.18	0.24	23.92	0.66	-0.01
76	124	550.00	4.85	4.83	0.06	20.82	0.75	0.02
76	124	600.00	-0.99	6.00	-0.12	18.54	0.75	0.06
76	124	650.00	-7.25	7.11	0.17	16.39	0.74	0.07
76	124	700.00	-9.85	2.93	-1.50	16.32	0.33	0.02
76	126	340.00	26.86	2.86	0.53	30.91	0.13	-0.02
76	126	392.50	26.86	2.86	0.53	33.80	0.15	-0.02

76	126	445.00	8.10	2.30	0.34	12.09	0.38	-0.02
76	126	497.50	6.54	1.94	0.23	9.11	0.52	-8.88e-04
76	126	550.00	4.50	-3.08	0.11	6.32	0.60	0.02
76	126	600.00	1.36	-1.63	-0.02	3.31	0.59	0.03
76	126	650.00	-3.14	-0.25	0.54	-0.39	0.71	0.04
76	126	700.00	-4.65	1.08	-1.61	-1.73	0.35	6.56e-04
76	129	340.00	-56.14	7.51	-0.43	-69.35	-0.13	0.02
76	129	392.50	-56.14	7.51	-0.43	-66.46	-0.10	0.02
76	129	445.00	-56.54	7.87	-0.29	-63.15	-0.29	0.02
76	129	497.50	-54.46	8.21	-0.21	-57.37	-0.42	3.21e-03
76	129	550.00	-45.65	13.21	-0.09	-44.98	-0.48	-0.03
76	129	600.00	-44.24	11.74	0.07	-41.58	-0.47	-0.04
76	129	650.00	-42.24	10.37	-0.20	-38.39	-0.54	-0.04
76	129	700.00	-38.52	6.16	1.23	-34.70	-0.36	-0.02
76	140	340.00	-27.10	23.38	0.57	-26.75	0.13	-0.02
76	140	392.50	-27.10	23.38	0.57	-23.86	0.16	-0.03
76	140	445.00	13.98	22.04	0.29	28.70	0.38	-0.02
76	140	497.50	-2.32	21.08	0.11	20.70	0.50	-0.03
76	140	550.00	-11.62	18.72	-0.05	19.19	0.55	8.18e-03
76	140	600.00	-18.78	18.61	-0.20	19.92	0.57	0.06
76	140	650.00	-24.69	18.50	-0.45	21.81	0.35	0.07
76	140	700.00	-26.68	6.57	-0.45	24.82	0.06	0.03
76	156	340.00	17.56	12.83	0.79	23.60	0.19	-0.03
76	156	392.50	17.56	12.83	0.79	26.49	0.22	-0.03
76	156	445.00	24.22	11.62	0.46	36.32	0.54	-0.03
76	156	497.50	14.55	10.77	0.27	29.31	0.74	-0.02
76	156	550.00	8.07	4.76	0.07	25.80	0.84	0.03
76	156	600.00	1.60	6.07	-0.14	23.18	0.84	0.06
76	156	650.00	-5.30	7.32	0.17	20.77	0.82	0.08
76	156	700.00	-8.37	2.84	-1.67	20.53	0.37	0.02
76	157	340.00	-61.60	8.55	-0.49	-75.04	-0.14	0.03
76	157	392.50	-61.60	8.55	-0.49	-72.15	-0.12	0.02
76	157	445.00	-47.76	8.94	-0.33	-53.38	-0.33	0.02
76	157	497.50	-49.33	9.29	-0.24	-50.85	-0.48	4.41e-03
76	157	550.00	-49.45	14.91	-0.10	-47.46	-0.55	-0.02
76	157	600.00	-47.73	13.23	0.08	-43.27	-0.54	-0.03
76	157	650.00	-45.22	11.66	-0.24	-39.21	-0.61	-0.04
76	157	700.00	-41.11	6.56	1.40	-34.97	-0.40	-0.03
76	158	340.00	32.09	2.50	0.59	37.16	0.14	-0.02
76	158	392.50	32.09	2.50	0.59	40.06	0.17	-0.02
76	158	445.00	11.40	1.89	0.38	15.95	0.42	-0.02
76	158	497.50	9.85	1.49	0.26	12.63	0.58	-1.19e-03
76	158	550.00	7.69	-4.16	0.12	9.48	0.66	0.03
76	158	600.00	4.27	-2.52	-0.03	6.04	0.66	0.04
76	158	650.00	-0.65	-0.97	0.58	1.88	0.79	0.05
76	158	700.00	-2.49	0.75	-1.79	0.20	0.40	2.27e-03
76	172	340.00	-26.42	23.21	0.55	-26.10	0.13	-0.02
76	172	392.50	-26.42	23.21	0.55	-23.20	0.15	-0.03
76	172	445.00	13.06	21.94	0.27	27.51	0.36	-0.02
76	172	497.50	-3.06	21.02	0.11	19.66	0.48	-0.03
76	172	550.00	-12.50	18.67	-0.05	18.03	0.53	8.01e-03
76	172	600.00	-19.67	18.55	-0.19	18.74	0.55	0.06
76	172	650.00	-25.43	18.44	-0.43	20.76	0.34	0.07
76	172	700.00	-27.27	6.58	-0.44	23.91	0.06	0.02
76	188	340.00	17.48	12.69	0.77	23.41	0.19	-0.03
76	188	392.50	17.48	12.69	0.77	26.31	0.21	-0.03
76	188	445.00	23.68	11.53	0.45	35.57	0.53	-0.03
76	188	497.50	14.10	10.70	0.27	28.61	0.72	-0.02
76	188	550.00	7.58	4.72	0.07	25.05	0.82	0.03
76	188	600.00	1.13	6.02	-0.14	22.42	0.83	0.06
76	188	650.00	-5.70	7.24	0.18	20.06	0.81	0.08
76	188	700.00	-8.71	2.83	-1.65	19.86	0.36	0.02
76	189	340.00	-61.06	8.61	-0.48	-74.38	-0.14	0.03
76	189	392.50	-61.06	8.61	-0.48	-71.49	-0.11	0.02
76	189	445.00	-47.72	8.98	-0.33	-53.26	-0.33	0.02
76	189	497.50	-49.27	9.33	-0.24	-50.70	-0.47	4.21e-03
76	189	550.00	-49.44	14.92	-0.10	-47.33	-0.55	-0.02
76	189	600.00	-47.75	13.26	0.08	-43.15	-0.53	-0.03
76	189	650.00	-45.22	11.72	-0.23	-39.05	-0.61	-0.04
76	189	700.00	-41.09	6.58	1.39	-34.77	-0.40	-0.03
76	190	340.00	31.55	2.44	0.58	36.50	0.14	-0.02
76	190	392.50	31.55	2.44	0.58	39.40	0.17	-0.02
76	190	445.00	11.36	1.85	0.37	15.83	0.42	-0.02
76	190	497.50	9.79	1.45	0.26	12.48	0.58	-9.98e-04
76	190	550.00	7.68	-4.17	0.12	9.35	0.66	0.03

76	190	600.00	4.29	-2.55	-0.03	5.91	0.66	0.04
76	190	650.00	-0.64	-1.02	0.57	1.72	0.78	0.05
76	190	700.00	-2.52	0.74	-1.78	5.48e-03	0.40	2.35e-03
76	204	340.00	-28.14	26.22	0.63	-27.05	0.15	-0.03
76	204	392.50	-28.14	26.22	0.63	-24.15	0.17	-0.03
76	204	445.00	17.99	24.78	0.31	34.92	0.41	-0.03
76	204	497.50	-0.58	23.72	0.12	25.83	0.54	-0.03
76	204	550.00	-11.56	20.97	-0.06	23.82	0.60	9.04e-03
76	204	600.00	-19.84	20.83	-0.22	24.57	0.62	0.07
76	204	650.00	-26.32	20.69	-0.51	27.05	0.38	0.08
76	204	700.00	-28.59	7.09	-0.48	30.61	0.07	0.03
76	220	340.00	22.95	13.84	0.89	30.55	0.22	-0.04
76	220	392.50	22.95	13.84	0.89	33.45	0.24	-0.04
76	220	445.00	30.60	12.54	0.52	44.50	0.61	-0.03
76	220	497.50	19.67	11.58	0.31	36.42	0.83	-0.02
76	220	550.00	12.19	4.57	0.08	32.20	0.95	0.03
76	220	600.00	4.78	6.09	-0.16	29.05	0.95	0.07
76	220	650.00	-2.98	7.50	0.19	26.33	0.93	0.09
76	220	700.00	-6.67	2.67	-1.89	25.91	0.42	0.03
76	225	340.00	-68.91	8.56	-0.57	-84.80	-0.16	0.03
76	225	392.50	-68.91	8.56	-0.57	-81.90	-0.14	0.02
76	225	445.00	-68.29	9.04	-0.39	-76.49	-0.39	0.02
76	225	497.50	-65.08	9.48	-0.28	-68.61	-0.57	2.79e-03
76	225	550.00	-53.59	16.06	-0.12	-52.63	-0.66	-0.04
76	225	600.00	-51.68	14.14	0.09	-48.34	-0.63	-0.06
76	225	650.00	-48.76	12.36	-0.31	-44.08	-0.73	-0.05
76	225	700.00	-44.18	7.07	1.68	-39.49	-0.47	-0.03
76	226	340.00	39.40	2.49	0.67	46.92	0.16	-0.02
76	226	392.50	39.40	2.49	0.67	49.81	0.19	-0.02
76	226	445.00	31.93	1.79	0.43	39.06	0.48	-0.02
76	226	497.50	25.60	1.31	0.30	30.39	0.67	4.18e-04
76	226	550.00	11.82	-5.31	0.14	14.65	0.77	0.04
76	226	600.00	8.22	-3.43	-0.03	11.10	0.76	0.06
76	226	650.00	2.90	-1.66	0.65	6.75	0.91	0.06
76	226	700.00	0.58	0.24	-2.07	4.72	0.47	3.89e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-68.91	-5.31	-2.07	-84.80	-0.73	-0.06
	39.40	26.22	1.68	49.81	0.95	0.09

Macro	Tipo	Angolo 1-Z (gradi)
77	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
77	4	340.00	-475.82	33.08	-0.79	363.95	3.31e-03	0.02
77	4	392.50	-475.82	33.08	-0.79	346.59	-0.41	7.82e-03
77	4	445.00	-459.71	33.30	-0.39	314.66	-0.75	7.44e-03
77	4	497.50	-446.59	33.70	0.38	296.26	-0.67	-0.02
77	4	550.00	-433.99	34.01	0.39	281.21	-0.47	-0.01
77	4	600.00	-422.16	34.29	0.45	268.43	-0.26	-7.43e-03
77	4	650.00	-409.76	34.69	0.27	253.27	-0.05	0.01
77	4	700.00	-397.00	39.35	0.12	214.78	0.0	0.03
77	44	340.00	-420.35	63.79	0.23	446.47	3.53e-03	-5.01e-03
77	44	392.50	-420.35	63.79	0.23	412.99	0.12	0.04
77	44	445.00	-405.42	62.87	0.22	370.14	0.24	0.01
77	44	497.50	-393.13	62.00	0.45	339.43	0.49	-0.02
77	44	550.00	-381.29	60.91	0.08	312.98	0.62	-0.02
77	44	600.00	-370.14	59.94	-0.17	290.24	0.60	-0.01
77	44	650.00	-358.57	59.22	-0.62	266.42	0.43	-1.51e-03
77	44	700.00	-345.87	60.10	-0.81	217.84	0.0	0.04
77	45	340.00	-188.93	41.59	0.49	236.71	1.77e-03	-0.01
77	45	392.50	-188.93	41.59	0.49	214.88	0.26	0.04
77	45	445.00	-180.17	40.69	0.33	190.29	0.48	8.94e-03
77	45	497.50	-172.63	39.78	0.28	171.72	0.68	-8.12e-03
77	45	550.00	-165.26	38.69	-0.05	155.68	0.74	-0.01
77	45	600.00	-158.26	37.73	-0.29	141.96	0.65	-0.01
77	45	650.00	-151.14	36.95	-0.63	128.10	0.44	-5.54e-03
77	45	700.00	-143.76	36.23	-0.85	101.68	0.0	0.02
77	68	340.00	-337.01	23.98	-0.56	257.69	2.33e-03	0.02
77	68	392.50	-337.01	23.98	-0.56	245.11	-0.29	6.42e-03
77	68	445.00	-325.21	24.13	-0.27	222.25	-0.53	5.63e-03

77	68	497.50	-315.52	24.40	0.27	209.11	-0.47	-0.01
77	68	550.00	-306.21	24.61	0.28	198.37	-0.32	-0.01
77	68	600.00	-297.45	24.79	0.32	189.25	-0.17	-5.67e-03
77	68	650.00	-288.30	25.06	0.19	178.46	-0.02	7.87e-03
77	68	700.00	-278.99	28.31	0.06	151.09	0.0	0.02
77	85	340.00	-201.14	35.07	0.23	219.84	1.69e-03	-3.41e-03
77	85	392.50	-201.14	35.07	0.23	201.44	0.12	0.03
77	85	445.00	-192.11	34.47	0.18	179.08	0.23	7.81e-03
77	85	497.50	-184.37	33.88	0.27	163.07	0.39	-8.52e-03
77	85	550.00	-176.83	33.15	0.03	149.37	0.46	-0.01
77	85	600.00	-169.68	32.51	-0.13	137.66	0.43	-9.22e-03
77	85	650.00	-162.39	32.00	-0.40	125.53	0.32	-2.49e-03
77	85	700.00	-154.98	32.01	-0.61	101.09	0.0	0.02
77	88	340.00	-300.03	44.46	0.12	312.71	2.48e-03	-2.08e-03
77	88	392.50	-300.03	44.46	0.12	289.38	0.07	0.03
77	88	445.00	-289.01	43.84	0.14	259.24	0.13	8.45e-03
77	88	497.50	-279.88	43.27	0.32	237.88	0.31	-0.01
77	88	550.00	-271.07	42.54	0.08	219.55	0.41	-0.01
77	88	600.00	-262.77	41.89	-0.09	203.79	0.40	-0.01
77	88	650.00	-254.17	41.41	-0.40	187.23	0.30	-7.07e-04
77	88	700.00	-244.90	42.14	-0.56	153.13	0.0	0.03
77	98	340.00	-280.94	27.98	-0.36	241.49	2.01e-03	0.01
77	98	392.50	-280.94	27.98	-0.36	226.80	-0.19	0.01
77	98	445.00	-270.23	27.96	-0.16	204.63	-0.34	5.80e-03
77	98	497.50	-261.32	28.03	0.26	190.67	-0.26	-0.01
77	98	550.00	-252.72	28.02	0.22	178.95	-0.14	-0.01
77	98	600.00	-244.62	28.02	0.21	168.89	-0.03	-6.35e-03
77	98	650.00	-236.23	28.08	0.05	157.57	0.06	4.95e-03
77	98	700.00	-227.73	30.21	-0.09	131.35	0.0	0.02
77	104	340.00	-203.05	22.90	-0.18	176.14	1.41e-03	7.49e-03
77	104	392.50	-203.05	22.90	-0.18	164.12	-0.09	0.01
77	104	445.00	-193.95	22.77	-0.06	146.73	-0.16	5.88e-03
77	104	497.50	-186.16	22.70	0.23	135.80	-0.08	-8.64e-03
77	104	550.00	-178.58	22.55	0.15	126.69	0.02	-8.67e-03
77	104	600.00	-171.40	22.42	0.12	118.94	0.09	-6.51e-03
77	104	650.00	-164.06	22.34	-0.02	110.38	0.13	2.09e-03
77	104	700.00	-156.92	23.43	-0.24	90.86	0.0	0.01
77	105	340.00	-269.40	29.87	-0.25	241.52	1.98e-03	8.32e-03
77	105	392.50	-269.40	29.87	-0.25	225.84	-0.13	0.01
77	105	445.00	-258.94	29.73	-0.09	203.29	-0.23	6.23e-03
77	105	497.50	-250.20	29.67	0.27	188.67	-0.13	-0.01
77	105	550.00	-241.75	29.51	0.18	176.35	-0.02	-0.01
77	105	600.00	-233.79	29.38	0.14	165.77	0.06	-6.96e-03
77	105	650.00	-225.56	29.33	-0.04	154.07	0.11	3.56e-03
77	105	700.00	-217.19	31.08	-0.19	127.76	0.0	0.02
77	106	340.00	-203.52	19.86	-0.28	165.21	1.34e-03	0.01
77	106	392.50	-203.52	19.86	-0.28	154.79	-0.14	9.97e-03
77	106	445.00	-194.41	19.85	-0.12	138.65	-0.26	5.39e-03
77	106	497.50	-186.61	19.91	0.22	128.98	-0.19	-8.67e-03
77	106	550.00	-179.01	19.90	0.19	121.01	-0.09	-8.32e-03
77	106	600.00	-171.83	19.89	0.18	114.26	6.98e-04	-5.83e-03
77	106	650.00	-164.48	19.93	0.07	106.60	0.08	3.24e-03
77	106	700.00	-157.41	21.28	-0.14	88.31	0.0	0.01
77	107	340.00	-269.88	26.82	-0.35	230.59	1.91e-03	0.01
77	107	392.50	-269.88	26.82	-0.35	216.51	-0.18	0.01
77	107	445.00	-259.40	26.80	-0.16	195.21	-0.33	5.75e-03
77	107	497.50	-250.65	26.87	0.26	181.85	-0.25	-0.01
77	107	550.00	-242.19	26.86	0.21	170.67	-0.13	-9.79e-03
77	107	600.00	-234.22	26.86	0.21	161.09	-0.03	-6.28e-03
77	107	650.00	-225.98	26.92	0.05	150.28	0.06	4.70e-03
77	107	700.00	-217.68	28.93	-0.10	125.20	0.0	0.02
77	108	340.00	-336.06	14.98	0.12	-68.72	0.14	0.14
77	108	392.50	-336.06	14.98	0.12	-82.80	-0.04	0.14
77	108	445.00	-284.76	-54.86	-0.07	-225.47	-0.05	0.08
77	108	497.50	-276.09	-38.56	2.18	-186.81	0.53	0.02
77	108	550.00	-265.44	-24.16	1.31	-139.58	1.45	-0.03
77	108	600.00	-252.92	-23.66	0.49	-86.20	1.96	-0.06
77	108	650.00	-243.47	-16.27	-0.50	-60.44	1.98	-0.05
77	108	700.00	-233.27	-17.54	-3.70	-42.33	0.90	-4.72e-03
77	112	340.00	-332.60	26.96	-0.24	-21.50	0.05	0.16
77	112	392.50	-332.60	26.96	-0.24	-35.58	-0.14	0.14
77	112	445.00	-283.79	-43.01	-0.34	-190.25	-0.28	0.07
77	112	497.50	-273.36	-26.90	2.40	-147.47	0.30	-0.01
77	112	550.00	-263.23	-12.68	1.54	-104.80	1.33	-0.06
77	112	600.00	-251.31	-12.37	0.69	-56.24	1.92	-0.09

77	112	650.00	-242.42	-5.20	-0.33	-35.03	2.05	-0.07
77	112	700.00	-230.47	-7.92	-3.93	-29.03	0.96	-0.02
77	127	340.00	-214.66	176.45	-1.06	842.50	-0.23	-0.03
77	127	392.50	-214.66	176.45	-1.06	828.42	-0.41	-0.04
77	127	445.00	-221.84	196.23	-0.64	772.20	-0.83	-0.03
77	127	497.50	-213.50	190.13	-0.09	690.73	-0.94	-0.06
77	127	550.00	-206.73	184.38	0.27	608.08	-0.91	-0.05
77	127	600.00	-201.82	182.74	0.50	524.89	-0.81	-0.03
77	127	650.00	-196.33	178.70	0.49	450.15	-0.54	-0.01
77	127	700.00	-183.20	164.55	0.89	333.69	-0.25	0.01
77	129	340.00	-236.82	216.05	-0.87	860.97	-0.18	0.04
77	129	392.50	-236.82	216.05	-0.87	846.89	-0.36	0.03
77	129	445.00	-232.30	214.56	-0.64	734.93	-0.72	-6.03e-04
77	129	497.50	-222.91	213.07	1.12	656.15	-0.52	-0.08
77	129	550.00	-211.51	211.26	1.00	524.00	0.01	-0.08
77	129	600.00	-204.97	209.33	0.71	466.42	0.37	-0.07
77	129	650.00	-200.44	206.91	0.19	401.73	0.62	-0.05
77	129	700.00	-186.34	186.77	-1.28	295.39	0.30	-8.56e-03
77	140	340.00	-344.38	13.50	0.18	-106.12	0.16	0.16
77	140	392.50	-344.38	13.50	0.18	-120.20	-0.02	0.15
77	140	445.00	-287.95	-65.10	-0.06	-278.09	-0.02	0.09
77	140	497.50	-279.29	-46.77	2.42	-232.88	0.63	0.02
77	140	550.00	-268.37	-30.55	1.45	-178.29	1.65	-0.03
77	140	600.00	-255.28	-29.99	0.52	-117.00	2.21	-0.07
77	140	650.00	-245.68	-21.68	-0.57	-86.69	2.22	-0.05
77	140	700.00	-235.23	-23.36	-4.15	-63.23	1.01	-7.96e-03
77	144	340.00	-340.50	27.06	-0.23	-52.82	0.05	0.17
77	144	392.50	-340.50	27.06	-0.23	-66.89	-0.13	0.16
77	144	445.00	-286.87	-51.69	-0.37	-238.35	-0.28	0.08
77	144	497.50	-276.23	-33.56	2.67	-188.50	0.37	-0.01
77	144	550.00	-265.89	-17.56	1.71	-139.07	1.52	-0.07
77	144	600.00	-253.47	-17.21	0.75	-83.21	2.16	-0.10
77	144	650.00	-244.50	-9.15	-0.38	-58.03	2.31	-0.07
77	144	700.00	-232.07	-12.47	-4.41	-48.21	1.08	-0.03
77	159	340.00	-207.77	195.27	-1.15	919.09	-0.26	-0.03
77	159	392.50	-207.77	195.27	-1.15	905.01	-0.44	-0.04
77	159	445.00	-217.18	217.53	-0.70	844.34	-0.90	-0.03
77	159	497.50	-208.89	210.65	-0.13	754.31	-1.03	-0.07
77	159	550.00	-202.31	204.18	0.28	662.71	-1.01	-0.06
77	159	600.00	-197.77	202.34	0.54	570.30	-0.91	-0.03
77	159	650.00	-192.61	197.79	0.54	487.57	-0.61	-0.02
77	159	700.00	-178.89	181.60	1.02	359.73	-0.28	0.01
77	161	340.00	-232.73	239.89	-0.93	939.87	-0.20	0.04
77	161	392.50	-232.73	239.89	-0.93	925.80	-0.38	0.03
77	161	445.00	-228.96	238.22	-0.70	802.33	-0.77	-1.27e-03
77	161	497.50	-219.47	236.52	1.23	715.31	-0.55	-0.09
77	161	550.00	-207.68	234.49	1.10	568.24	0.03	-0.09
77	161	600.00	-201.31	232.32	0.78	504.71	0.43	-0.08
77	161	650.00	-197.25	229.58	0.20	433.27	0.70	-0.06
77	161	700.00	-182.40	206.65	-1.44	316.71	0.33	-0.01
77	172	340.00	-342.43	13.04	0.17	-96.64	0.16	0.16
77	172	392.50	-342.43	13.04	0.17	-110.71	-0.03	0.15
77	172	445.00	-287.49	-62.80	-0.07	-263.34	-0.03	0.09
77	172	497.50	-278.88	-45.06	2.42	-218.95	0.62	0.02
77	172	550.00	-267.99	-29.39	1.46	-165.16	1.64	-0.04
77	172	600.00	-254.97	-28.84	0.53	-105.14	2.20	-0.07
77	172	650.00	-245.36	-20.82	-0.56	-76.53	2.22	-0.06
77	172	700.00	-234.51	-22.24	-4.15	-55.96	1.01	-9.59e-03
77	176	340.00	-338.61	27.37	-0.24	-41.56	0.05	0.17
77	176	392.50	-338.61	27.37	-0.24	-55.64	-0.14	0.16
77	176	445.00	-286.47	-48.62	-0.38	-222.12	-0.29	0.08
77	176	497.50	-275.83	-31.09	2.68	-173.31	0.36	-0.01
77	176	550.00	-265.52	-15.64	1.72	-124.93	1.52	-0.08
77	176	600.00	-253.13	-15.30	0.76	-70.53	2.16	-0.10
77	176	650.00	-244.10	-7.54	-0.37	-47.16	2.31	-0.08
77	176	700.00	-231.28	-10.69	-4.42	-40.29	1.08	-0.03
77	191	340.00	-209.05	194.26	-1.14	910.09	-0.26	-0.03
77	191	392.50	-209.05	194.26	-1.14	896.02	-0.44	-0.04
77	191	445.00	-218.02	215.70	-0.70	833.99	-0.89	-0.03
77	191	497.50	-209.67	209.02	-0.12	744.65	-1.02	-0.07
77	191	550.00	-202.96	202.72	0.29	654.03	-1.00	-0.06
77	191	600.00	-198.28	200.89	0.54	562.73	-0.90	-0.03
77	191	650.00	-193.05	196.43	0.54	481.13	-0.60	-0.02
77	191	700.00	-179.55	180.30	0.99	355.35	-0.27	0.01
77	193	340.00	-233.40	238.51	-0.93	931.70	-0.20	0.05

77	193	392.50	-233.40	238.51	-0.93	917.63	-0.38	0.03
77	193	445.00	-229.62	236.85	-0.71	794.14	-0.77	2.40e-05
77	193	497.50	-220.02	235.19	1.27	707.52	-0.54	-0.09
77	193	550.00	-208.10	233.19	1.12	564.51	0.05	-0.09
77	193	600.00	-201.64	231.03	0.79	502.08	0.46	-0.08
77	193	650.00	-197.57	228.31	0.20	431.10	0.73	-0.06
77	193	700.00	-182.63	205.55	-1.50	314.98	0.35	-0.01
77	204	340.00	-353.99	10.56	0.26	-148.13	0.18	0.19
77	204	392.50	-353.99	10.56	0.26	-162.20	1.78e-04	0.18
77	204	445.00	-292.06	-77.04	-0.06	-335.01	0.02	0.10
77	204	497.50	-283.48	-56.53	2.81	-280.98	0.77	0.02
77	204	550.00	-272.21	-38.41	1.68	-216.28	1.95	-0.04
77	204	600.00	-258.35	-37.77	0.59	-144.81	2.59	-0.08
77	204	650.00	-248.48	-28.51	-0.67	-110.32	2.60	-0.07
77	204	700.00	-236.93	-30.42	-4.86	-83.50	1.19	-0.02
77	208	340.00	-349.58	27.79	-0.22	-82.72	0.05	0.20
77	208	392.50	-349.58	27.79	-0.22	-96.79	-0.13	0.19
77	208	445.00	-290.92	-60.00	-0.42	-286.05	-0.29	0.09
77	208	497.50	-279.95	-39.74	3.12	-226.91	0.46	-0.02
77	208	550.00	-269.32	-21.87	1.99	-168.69	1.80	-0.09
77	208	600.00	-256.18	-21.49	0.86	-103.89	2.54	-0.12
77	208	650.00	-246.96	-12.54	-0.45	-75.60	2.71	-0.09
77	208	700.00	-233.09	-16.52	-5.19	-64.88	1.27	-0.04
77	223	340.00	-199.27	222.42	-1.28	1021.99	-0.30	-0.04
77	223	392.50	-199.27	222.42	-1.28	1007.91	-0.49	-0.05
77	223	445.00	-211.43	247.18	-0.80	938.12	-0.99	-0.04
77	223	497.50	-203.11	239.43	-0.17	836.06	-1.15	-0.07
77	223	550.00	-196.61	232.13	0.31	732.33	-1.14	-0.06
77	223	600.00	-192.41	229.99	0.60	627.60	-1.04	-0.03
77	223	650.00	-187.64	224.81	0.63	534.48	-0.71	-0.02
77	223	700.00	-173.37	205.60	1.17	392.55	-0.32	0.01
77	225	340.00	-227.67	274.83	-1.02	1049.09	-0.23	0.05
77	225	392.50	-227.67	274.83	-1.02	1035.01	-0.42	0.04
77	225	445.00	-225.07	272.89	-0.81	893.50	-0.84	-1.30e-04
77	225	497.50	-215.23	270.95	1.48	794.32	-0.58	-0.10
77	225	550.00	-202.52	268.61	1.30	629.30	0.11	-0.10
77	225	600.00	-196.24	266.09	0.90	558.75	0.57	-0.10
77	225	650.00	-192.90	262.89	0.22	477.86	0.88	-0.08
77	225	700.00	-176.77	235.89	-1.81	346.48	0.43	-0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-475.82	-77.04	-5.19	-335.01	-1.15	-0.12
	-143.76	274.83	3.12	1049.09	2.71	0.20

Macro	Tipo	Angolo 1-Z (gradi)
78	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
78	4	340.00	9.49	0.87	0.28	1.66	0.0	-0.03
78	4	392.50	9.49	0.87	0.28	2.11	0.15	-0.02
78	4	445.00	8.98	1.46	0.22	-0.92	0.19	-0.02
78	4	497.50	10.20	7.71	0.13	-1.91	0.17	-6.03e-03
78	4	550.00	6.35	7.73	0.15	-0.35	0.19	2.69e-03
78	4	600.00	2.63	7.70	0.10	1.09	0.20	0.01
78	4	650.00	-1.17	7.88	-0.09	2.51	0.16	0.02
78	4	700.00	-2.59	2.97	-0.33	3.03	0.0	0.02
78	28	340.00	9.67	0.73	-0.60	1.67	0.0	0.10
78	28	392.50	9.67	0.73	-0.60	2.05	-0.31	0.08
78	28	445.00	8.92	1.39	-0.55	-1.31	-0.51	0.06
78	28	497.50	10.09	7.80	0.04	-2.55	-0.40	-2.30e-03
78	28	550.00	5.96	8.08	-0.03	-1.03	-0.28	-0.03
78	28	600.00	1.94	8.27	-0.06	0.47	-0.20	-0.04
78	28	650.00	-2.18	8.64	-0.08	2.04	-0.12	-0.06
78	28	700.00	-3.69	3.21	0.29	2.62	0.0	-0.07
78	35	340.00	8.44	0.88	-0.60	1.13	0.0	0.10
78	35	392.50	8.44	0.88	-0.60	1.59	-0.32	0.08
78	35	445.00	7.89	1.44	-0.55	-1.55	-0.51	0.06
78	35	497.50	9.12	7.54	0.04	-2.73	-0.40	-2.13e-03
78	35	550.00	5.20	7.82	-0.03	-1.23	-0.28	-0.03
78	35	600.00	1.38	8.00	-0.06	0.25	-0.20	-0.04
78	35	650.00	-2.55	8.36	-0.08	1.80	-0.13	-0.06

78	35	700.00	-3.95	3.08	0.30	2.36	0.0	-0.07
78	44	340.00	8.40	0.84	-0.99	1.16	0.0	0.15
78	44	392.50	8.40	0.84	-0.99	1.61	-0.52	0.13
78	44	445.00	7.78	1.40	-0.89	-1.57	-0.82	0.09
78	44	497.50	8.97	7.30	-5.76e-03	-2.81	-0.65	-1.93e-04
78	44	550.00	5.12	7.68	-0.11	-1.36	-0.49	-0.04
78	44	600.00	1.35	7.96	-0.13	0.11	-0.38	-0.07
78	44	650.00	-2.51	8.40	-0.07	1.69	-0.26	-0.09
78	44	700.00	-3.87	3.10	0.57	2.29	0.0	-0.11
78	68	340.00	6.64	0.75	0.18	1.03	0.0	-0.02
78	68	392.50	6.64	0.75	0.18	1.42	0.10	-9.34e-03
78	68	445.00	6.34	1.15	0.14	-0.76	0.12	-0.01
78	68	497.50	7.30	5.66	0.09	-1.47	0.11	-4.32e-03
78	68	550.00	4.52	5.68	0.10	-0.31	0.13	1.37e-03
78	68	600.00	1.84	5.66	0.07	0.76	0.14	7.33e-03
78	68	650.00	-0.90	5.79	-0.06	1.83	0.11	0.01
78	68	700.00	-1.90	2.19	-0.22	2.23	0.0	0.02
78	80	340.00	6.76	0.66	-0.40	1.04	0.0	0.07
78	80	392.50	6.76	0.66	-0.40	1.38	-0.21	0.06
78	80	445.00	6.31	1.10	-0.37	-1.02	-0.34	0.04
78	80	497.50	7.22	5.72	0.03	-1.90	-0.27	-1.83e-03
78	80	550.00	4.26	5.91	-0.01	-0.77	-0.18	-0.02
78	80	600.00	1.38	6.04	-0.04	0.35	-0.13	-0.03
78	80	650.00	-1.57	6.30	-0.06	1.51	-0.08	-0.04
78	80	700.00	-2.63	2.34	0.18	1.96	0.0	-0.05
78	83	340.00	5.94	0.76	-0.40	0.68	0.0	0.06
78	83	392.50	5.94	0.76	-0.40	1.07	-0.21	0.06
78	83	445.00	5.62	1.13	-0.37	-1.18	-0.35	0.04
78	83	497.50	6.58	5.55	0.03	-2.02	-0.27	-1.72e-03
78	83	550.00	3.76	5.74	-0.02	-0.90	-0.19	-0.02
78	83	600.00	1.00	5.86	-0.04	0.20	-0.13	-0.03
78	83	650.00	-1.82	6.12	-0.06	1.35	-0.08	-0.04
78	83	700.00	-2.81	2.26	0.19	1.78	0.0	-0.05
78	88	340.00	5.91	0.74	-0.66	0.70	0.0	0.10
78	88	392.50	5.91	0.74	-0.66	1.09	-0.35	0.09
78	88	445.00	5.54	1.11	-0.59	-1.19	-0.55	0.06
78	88	497.50	6.47	5.38	1.99e-03	-2.07	-0.44	-4.29e-04
78	88	550.00	3.70	5.65	-0.07	-0.99	-0.32	-0.03
78	88	600.00	0.99	5.84	-0.09	0.11	-0.25	-0.05
78	88	650.00	-1.79	6.14	-0.05	1.28	-0.17	-0.06
78	88	700.00	-2.75	2.27	0.37	1.74	0.0	-0.08
78	98	340.00	5.74	0.86	-0.01	0.71	0.0	9.37e-03
78	98	392.50	5.74	0.86	-0.01	1.16	-6.37e-03	0.01
78	98	445.00	5.53	1.17	-0.03	-0.86	-0.03	4.94e-03
78	98	497.50	6.46	5.22	0.07	-1.54	-0.01	-3.22e-03
78	98	550.00	3.94	5.28	0.06	-0.46	0.02	-4.52e-03
78	98	600.00	1.49	5.31	0.03	0.57	0.04	-4.54e-03
78	98	650.00	-0.99	5.47	-0.05	1.60	0.04	-3.60e-03
78	98	700.00	-1.85	2.06	-0.08	2.01	0.0	-5.14e-03
78	105	340.00	5.47	0.88	-0.14	0.60	0.0	0.03
78	105	392.50	5.47	0.88	-0.14	1.06	-0.07	0.03
78	105	445.00	5.27	1.17	-0.14	-0.93	-0.13	0.02
78	105	497.50	6.21	5.11	0.05	-1.62	-0.10	-2.55e-03
78	105	550.00	3.74	5.21	0.03	-0.56	-0.05	-8.62e-03
78	105	600.00	1.34	5.27	7.43e-03	0.46	-0.02	-0.01
78	105	650.00	-1.10	5.45	-0.05	1.51	-1.30e-03	-0.01
78	105	700.00	-1.93	2.05	0.02	1.92	0.0	-0.02
78	107	340.00	5.45	0.90	-0.01	0.60	0.0	9.05e-03
78	107	392.50	5.45	0.90	-0.01	1.07	-6.57e-03	0.01
78	107	445.00	5.28	1.18	-0.02	-0.88	-0.03	4.79e-03
78	107	497.50	6.22	5.11	0.06	-1.54	-0.01	-3.14e-03
78	107	550.00	3.78	5.17	0.06	-0.47	0.02	-4.42e-03
78	107	600.00	1.41	5.19	0.03	0.54	0.04	-4.43e-03
78	107	650.00	-0.99	5.35	-0.05	1.56	0.04	-3.49e-03
78	107	700.00	-1.81	2.02	-0.07	1.97	0.0	-4.97e-03
78	112	340.00	8.00	-4.82	-0.43	-5.36	-0.11	0.07
78	112	392.50	8.00	-4.82	-0.43	-4.89	-0.12	0.06
78	112	445.00	12.88	-1.25	-0.46	-12.77	-0.37	0.04
78	112	497.50	30.27	27.23	0.20	-20.20	-0.44	-3.59e-03
78	112	550.00	19.18	27.16	0.40	-11.66	-0.29	-0.04
78	112	600.00	10.15	27.10	0.35	-1.19	-0.12	-0.05
78	112	650.00	-0.33	27.14	0.11	4.83	-0.02	-0.05
78	112	700.00	-7.52	9.11	-0.15	9.25	0.02	-0.04
78	113	340.00	6.25	-3.82	-0.55	-4.25	-0.14	0.09
78	113	392.50	6.25	-3.82	-0.55	-3.78	-0.15	0.08

78	113	445.00	10.01	-0.80	-0.60	-10.51	-0.46	0.05
78	113	497.50	17.31	23.06	0.21	-18.05	-0.56	-2.47e-03
78	113	550.00	10.53	23.03	0.38	-10.72	-0.40	-0.05
78	113	600.00	10.42	23.00	0.34	-3.00	-0.20	-0.06
78	113	650.00	-2.62	23.08	0.17	3.40	-0.07	-0.06
78	113	700.00	-8.63	7.82	-0.06	6.94	-4.58e-03	-0.05
78	132	340.00	8.87	-2.33	0.04	-2.87	0.01	-2.64e-03
78	132	392.50	8.87	-2.33	0.04	-2.40	6.38e-03	9.13e-05
78	132	445.00	11.91	-0.22	0.05	-7.87	0.01	-2.91e-03
78	132	497.50	33.09	18.06	0.10	-10.40	0.05	-4.97e-03
78	132	550.00	21.52	18.03	0.18	-5.26	0.08	-1.58e-03
78	132	600.00	3.63	17.98	0.14	2.76	0.11	-4.39e-05
78	132	650.00	2.67	18.05	-0.08	4.72	0.11	1.12e-03
78	132	700.00	-1.82	6.09	-0.24	7.65	0.04	-2.03e-03
78	135	340.00	2.02	4.14	-0.06	4.06	-0.01	0.02
78	135	392.50	2.02	4.14	-0.06	4.54	-0.02	0.02
78	135	445.00	-1.36	2.59	-0.10	6.11	-0.07	0.01
78	135	497.50	-20.64	-7.85	0.03	7.32	-0.08	-1.31e-03
78	135	550.00	-13.96	-7.69	-0.06	4.32	-0.04	-7.25e-03
78	135	600.00	-0.80	-7.59	-0.08	-1.69	-0.03	-8.81e-03
78	135	650.00	-4.65	-7.34	-0.02	-1.59	-0.03	-8.09e-03
78	135	700.00	-1.79	-2.06	0.09	-3.71	-0.04	-7.92e-03
78	144	340.00	8.32	-5.54	-0.48	-6.12	-0.12	0.07
78	144	392.50	8.32	-5.54	-0.48	-5.65	-0.13	0.07
78	144	445.00	13.85	-1.56	-0.52	-14.28	-0.41	0.05
78	144	497.50	33.33	30.04	0.22	-22.58	-0.49	-3.67e-03
78	144	550.00	21.14	29.96	0.44	-13.09	-0.33	-0.04
78	144	600.00	11.24	29.88	0.39	-1.42	-0.14	-0.05
78	144	650.00	-0.26	29.91	0.14	5.24	-0.02	-0.06
78	144	700.00	-8.25	10.01	-0.16	10.17	0.02	-0.04
78	145	340.00	6.35	-4.41	-0.61	-4.87	-0.16	0.10
78	145	392.50	6.35	-4.41	-0.61	-4.40	-0.16	0.09
78	145	445.00	10.61	-1.06	-0.67	-11.73	-0.52	0.06
78	145	497.50	18.71	25.33	0.22	-20.15	-0.63	-2.40e-03
78	145	550.00	11.39	25.29	0.43	-12.02	-0.45	-0.05
78	145	600.00	11.56	25.25	0.37	-3.45	-0.23	-0.07
78	145	650.00	-2.83	25.32	0.20	3.63	-0.09	-0.07
78	145	700.00	-9.50	8.56	-0.06	7.57	-5.20e-03	-0.05
78	164	340.00	9.31	-2.75	0.04	-3.32	0.01	-4.09e-03
78	164	392.50	9.31	-2.75	0.04	-2.85	8.00e-03	-1.24e-03
78	164	445.00	12.76	-0.40	0.06	-8.76	0.02	-3.86e-03
78	164	497.50	36.54	19.73	0.11	-11.54	0.05	-5.22e-03
78	164	550.00	23.78	19.68	0.19	-5.88	0.09	-1.20e-03
78	164	600.00	3.88	19.63	0.16	3.04	0.12	5.24e-04
78	164	650.00	3.11	19.68	-0.09	5.12	0.12	1.72e-03
78	164	700.00	-1.85	6.62	-0.26	8.37	0.05	-1.65e-03
78	167	340.00	1.59	4.56	-0.07	4.51	-0.01	0.02
78	167	392.50	1.59	4.56	-0.07	4.98	-0.02	0.02
78	167	445.00	-2.20	2.77	-0.11	7.01	-0.08	0.01
78	167	497.50	-24.09	-9.52	0.02	8.46	-0.08	-1.05e-03
78	167	550.00	-16.23	-9.35	-0.08	4.94	-0.05	-7.63e-03
78	167	600.00	-1.06	-9.24	-0.10	-1.97	-0.04	-9.37e-03
78	167	650.00	-5.09	-8.98	-0.02	-1.99	-0.04	-8.69e-03
78	167	700.00	-1.76	-2.58	0.11	-4.43	-0.05	-8.30e-03
78	176	340.00	8.35	-5.59	-0.49	-6.16	-0.12	0.07
78	176	392.50	8.35	-5.59	-0.49	-5.69	-0.13	0.07
78	176	445.00	13.90	-1.58	-0.52	-14.35	-0.41	0.05
78	176	497.50	33.52	30.19	0.22	-22.70	-0.49	-4.18e-03
78	176	550.00	21.26	30.10	0.44	-13.16	-0.33	-0.04
78	176	600.00	11.04	30.03	0.39	-1.51	-0.14	-0.05
78	176	650.00	-0.53	30.06	0.14	5.16	-0.02	-0.06
78	176	700.00	-8.54	10.06	-0.16	10.11	0.02	-0.04
78	177	340.00	6.40	-4.42	-0.62	-4.88	-0.16	0.10
78	177	392.50	6.40	-4.42	-0.62	-4.41	-0.16	0.09
78	177	445.00	10.64	-1.06	-0.68	-11.77	-0.52	0.06
78	177	497.50	18.74	25.40	0.22	-20.21	-0.63	-2.80e-03
78	177	550.00	11.48	25.35	0.43	-12.03	-0.45	-0.05
78	177	600.00	11.48	25.32	0.38	-3.53	-0.23	-0.07
78	177	650.00	-2.98	25.38	0.20	3.57	-0.08	-0.07
78	177	700.00	-9.66	8.58	-0.06	7.53	-6.13e-03	-0.05
78	196	340.00	9.26	-2.82	0.04	-3.37	0.01	-3.68e-03
78	196	392.50	9.26	-2.82	0.04	-2.90	7.47e-03	-8.75e-04
78	196	445.00	12.81	-0.43	0.06	-8.84	0.02	-3.63e-03
78	196	497.50	36.83	19.90	0.11	-11.66	0.05	-5.53e-03
78	196	550.00	23.85	19.85	0.19	-5.98	0.09	-1.25e-03

78	196	600.00	3.64	19.79	0.16	2.98	0.12	4.19e-04
78	196	650.00	2.87	19.85	-0.08	5.06	0.12	1.62e-03
78	196	700.00	-2.13	6.69	-0.25	8.33	0.04	-1.72e-03
78	199	340.00	1.63	4.62	-0.07	4.56	-0.01	0.02
78	199	392.50	1.63	4.62	-0.07	5.04	-0.02	0.02
78	199	445.00	-2.26	2.79	-0.11	7.09	-0.08	0.01
78	199	497.50	-24.38	-9.69	0.02	8.59	-0.08	-7.42e-04
78	199	550.00	-16.29	-9.52	-0.08	5.04	-0.05	-7.58e-03
78	199	600.00	-0.81	-9.41	-0.10	-1.90	-0.03	-9.27e-03
78	199	650.00	-4.84	-9.14	-0.02	-1.93	-0.03	-8.59e-03
78	199	700.00	-1.49	-2.65	0.10	-4.40	-0.04	-8.23e-03
78	216	340.00	8.99	-6.65	-0.57	-7.40	-0.15	0.09
78	216	392.50	8.99	-6.65	-0.57	-6.93	-0.15	0.08
78	216	445.00	15.47	-1.91	-0.64	-16.97	-0.49	0.06
78	216	497.50	38.48	35.32	0.23	-26.86	-0.60	-0.01
78	216	550.00	24.17	35.07	0.51	-15.67	-0.42	-0.05
78	216	600.00	12.63	34.83	0.46	-1.92	-0.20	-0.07
78	216	650.00	-1.84	34.69	0.19	5.37	-0.04	-0.07
78	216	700.00	-11.42	11.46	-0.07	11.02	2.74e-03	-0.06
78	217	340.00	6.73	-5.25	-0.73	-5.87	-0.19	0.11
78	217	392.50	6.73	-5.25	-0.73	-5.40	-0.19	0.11
78	217	445.00	11.62	-1.30	-0.82	-13.90	-0.62	0.07
78	217	497.50	20.98	29.62	0.24	-23.88	-0.76	-0.01
78	217	550.00	12.65	29.42	0.49	-14.31	-0.56	-0.06
78	217	600.00	13.23	29.22	0.45	-4.27	-0.30	-0.08
78	217	650.00	-4.65	29.13	0.26	3.50	-0.12	-0.09
78	217	700.00	-12.65	9.69	0.05	7.98	-0.03	-0.07
78	232	340.00	9.95	-3.49	0.05	-4.12	0.02	-5.22e-03
78	232	392.50	9.95	-3.49	0.05	-3.64	9.27e-03	-2.34e-03
78	232	445.00	14.18	-0.68	0.06	-10.37	0.02	-4.94e-03
78	232	497.50	42.44	22.81	0.11	-13.64	0.06	-8.56e-03
78	232	550.00	27.36	22.71	0.22	-7.09	0.09	-1.78e-03
78	232	600.00	3.87	22.59	0.18	3.37	0.12	-3.51e-04
78	232	650.00	3.01	22.58	-0.08	5.53	0.12	6.44e-04
78	232	700.00	-2.83	7.54	-0.25	9.28	0.04	-2.77e-03
78	235	340.00	0.95	5.29	-0.08	5.31	-0.02	0.02
78	235	392.50	0.95	5.29	-0.08	5.78	-0.02	0.02
78	235	445.00	-3.63	3.05	-0.11	8.61	-0.08	0.01
78	235	497.50	-29.99	-12.60	0.01	10.57	-0.09	2.29e-03
78	235	550.00	-19.81	-12.37	-0.10	6.15	-0.05	-7.05e-03
78	235	600.00	-1.04	-12.20	-0.12	-2.29	-0.04	-8.50e-03
78	235	650.00	-4.99	-11.87	-0.02	-2.40	-0.04	-7.62e-03
78	235	700.00	-0.79	-3.51	0.10	-5.35	-0.04	-7.18e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-29.99	-12.60	-0.99	-26.86	-0.82	-0.11
	42.44	35.32	0.57	11.02	0.20	0.15

Macro	Tipo	Angolo 1-Z (gradi)
79	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
79	19	340.00	-0.40	0.02	1.76	-0.23	0.0	1.04e-03
79	19	392.50	-0.40	0.02	1.76	-0.22	0.93	1.23e-03
79	19	445.00	-0.89	-0.18	1.89	-0.52	1.92	8.13e-04
79	19	497.50	-1.69	0.67	0.52	-0.70	2.19	-1.10e-04
79	19	550.00	-1.43	0.67	-0.14	-0.34	2.12	-3.12e-04
79	19	600.00	-1.19	0.67	-0.78	-3.75e-03	1.73	-3.94e-04
79	19	650.00	-0.95	0.67	-1.41	0.33	1.02	-4.25e-04
79	19	700.00	-0.43	-0.07	-2.04	0.30	0.0	-3.70e-04
79	28	340.00	-0.76	0.29	-2.11	-0.74	0.0	-2.90e-03
79	28	392.50	-0.76	0.29	-2.11	-0.59	-1.11	-3.39e-03
79	28	445.00	-1.62	-0.44	-2.26	-1.53	-2.29	-2.15e-03
79	28	497.50	-3.06	2.17	-0.63	-2.00	-2.63	7.92e-04
79	28	550.00	-2.74	2.17	0.16	-0.86	-2.54	1.43e-03
79	28	600.00	-2.42	2.17	0.94	0.22	-2.07	1.69e-03
79	28	650.00	-2.11	2.17	1.69	1.30	-1.22	1.79e-03
79	28	700.00	-1.29	-0.30	2.45	1.15	0.0	1.55e-03
79	44	340.00	-0.71	0.23	-3.52	-0.67	0.0	-3.96e-03
79	44	392.50	-0.71	0.23	-3.52	-0.55	-1.85	-4.64e-03
79	44	445.00	-1.50	-0.43	-3.77	-1.41	-3.83	-2.96e-03

79	44	497.50	-2.90	1.98	-1.05	-1.83	-4.38	9.77e-04
79	44	550.00	-2.57	1.98	0.27	-0.79	-4.24	1.84e-03
79	44	600.00	-2.25	1.98	1.56	0.20	-3.45	2.19e-03
79	44	650.00	-1.94	1.98	2.82	1.19	-2.04	2.32e-03
79	44	700.00	-1.16	-0.28	4.08	1.06	0.0	2.00e-03
79	72	340.00	-0.41	0.04	1.18	-0.26	0.0	5.03e-04
79	72	392.50	-0.41	0.04	1.18	-0.24	0.62	5.96e-04
79	72	445.00	-0.92	-0.20	1.26	-0.59	1.28	4.00e-04
79	72	497.50	-1.75	0.77	0.35	-0.77	1.46	-1.59e-05
79	72	550.00	-1.50	0.77	-0.09	-0.37	1.41	-1.07e-04
79	72	600.00	-1.25	0.77	-0.52	0.02	1.15	-1.44e-04
79	72	650.00	-1.01	0.77	-0.94	0.40	0.68	-1.59e-04
79	72	700.00	-0.48	-0.09	-1.36	0.36	0.0	-1.39e-04
79	80	340.00	-0.56	0.19	-1.41	-0.52	0.0	-1.99e-03
79	80	392.50	-0.56	0.19	-1.41	-0.42	-0.74	-2.32e-03
79	80	445.00	-1.19	-0.32	-1.51	-1.08	-1.53	-1.47e-03
79	80	497.50	-2.26	1.53	-0.42	-1.42	-1.75	5.41e-04
79	80	550.00	-2.00	1.53	0.11	-0.62	-1.69	9.80e-04
79	80	600.00	-1.76	1.53	0.63	0.15	-1.38	1.16e-03
79	80	650.00	-1.52	1.53	1.13	0.91	-0.82	1.22e-03
79	80	700.00	-0.91	-0.21	1.63	0.81	0.0	1.06e-03
79	88	340.00	-0.52	0.15	-2.35	-0.47	0.0	-2.70e-03
79	88	392.50	-0.52	0.15	-2.35	-0.39	-1.23	-3.16e-03
79	88	445.00	-1.11	-0.31	-2.51	-1.00	-2.55	-2.02e-03
79	88	497.50	-2.15	1.40	-0.70	-1.30	-2.92	6.64e-04
79	88	550.00	-1.89	1.40	0.18	-0.57	-2.82	1.25e-03
79	88	600.00	-1.65	1.40	1.04	0.14	-2.30	1.49e-03
79	88	650.00	-1.41	1.40	1.88	0.84	-1.36	1.58e-03
79	88	700.00	-0.82	-0.19	2.72	0.74	0.0	1.36e-03
79	98	340.00	-0.50	0.14	1.47e-03	-0.42	0.0	-6.94e-04
79	98	392.50	-0.50	0.14	1.47e-03	-0.35	7.70e-04	-8.09e-04
79	98	445.00	-1.09	-0.26	1.85e-03	-0.89	1.74e-03	-5.04e-04
79	98	497.50	-2.06	1.23	-6.84e-04	-1.17	1.38e-03	2.44e-04
79	98	550.00	-1.81	1.23	-6.84e-04	-0.52	1.03e-03	4.07e-04
79	98	600.00	-1.56	1.23	-6.84e-04	0.09	6.84e-04	4.74e-04
79	98	650.00	-1.32	1.23	-6.84e-04	0.71	3.42e-04	4.97e-04
79	98	700.00	-0.75	-0.16	-6.84e-04	0.63	0.0	4.29e-04
79	102	340.00	-0.42	0.05	0.24	-0.28	0.0	-3.19e-04
79	102	392.50	-0.42	0.05	0.24	-0.26	0.12	-3.72e-04
79	102	445.00	-0.92	-0.21	0.25	-0.63	0.26	-2.33e-04
79	102	497.50	-1.78	0.85	0.07	-0.83	0.29	1.17e-04
79	102	550.00	-1.53	0.85	-0.02	-0.39	0.28	1.94e-04
79	102	600.00	-1.29	0.85	-0.10	0.04	0.23	2.25e-04
79	102	650.00	-1.05	0.85	-0.19	0.46	0.14	2.36e-04
79	102	700.00	-0.51	-0.10	-0.27	0.41	0.0	2.04e-04
79	105	340.00	-0.49	0.13	-0.47	-0.41	0.0	-1.06e-03
79	105	392.50	-0.49	0.13	-0.47	-0.34	-0.25	-1.24e-03
79	105	445.00	-1.06	-0.26	-0.50	-0.87	-0.51	-7.83e-04
79	105	497.50	-2.03	1.20	-0.14	-1.14	-0.58	3.13e-04
79	105	550.00	-1.78	1.20	0.04	-0.51	-0.56	5.52e-04
79	105	600.00	-1.53	1.20	0.21	0.09	-0.46	6.49e-04
79	105	650.00	-1.29	1.20	0.38	0.69	-0.27	6.85e-04
79	105	700.00	-0.72	-0.16	0.54	0.61	0.0	5.91e-04
79	106	340.00	-0.42	0.05	7.59e-04	-0.29	0.0	-5.24e-04
79	106	392.50	-0.42	0.05	7.59e-04	-0.26	3.98e-04	-6.14e-04
79	106	445.00	-0.93	-0.22	9.10e-04	-0.64	8.76e-04	-3.92e-04
79	106	497.50	-1.79	0.86	-3.44e-04	-0.84	6.96e-04	1.51e-04
79	106	550.00	-1.54	0.86	-3.44e-04	-0.39	5.15e-04	2.69e-04
79	106	600.00	-1.29	0.86	-3.44e-04	0.04	3.44e-04	3.17e-04
79	106	650.00	-1.05	0.86	-3.44e-04	0.47	1.72e-04	3.35e-04
79	106	700.00	-0.52	-0.11	-3.44e-04	0.42	0.0	2.89e-04
79	107	340.00	-0.49	0.13	1.37e-03	-0.40	0.0	-6.70e-04
79	107	392.50	-0.49	0.13	1.37e-03	-0.33	7.17e-04	-7.81e-04
79	107	445.00	-1.07	-0.26	1.72e-03	-0.86	1.62e-03	-4.88e-04
79	107	497.50	-2.02	1.18	-6.35e-04	-1.12	1.29e-03	2.31e-04
79	107	550.00	-1.77	1.18	-6.35e-04	-0.50	9.53e-04	3.87e-04
79	107	600.00	-1.53	1.18	-6.35e-04	0.09	6.35e-04	4.51e-04
79	107	650.00	-1.29	1.18	-6.35e-04	0.68	3.18e-04	4.74e-04
79	107	700.00	-0.71	-0.15	-6.35e-04	0.60	0.0	4.09e-04
79	110	340.00	1.14	-1.56	0.26	2.01	0.06	0.02
79	110	392.50	1.14	-1.56	0.26	2.08	0.06	0.02
79	110	445.00	1.98	0.94	0.29	4.34	0.18	0.01
79	110	497.50	3.57	-12.67	-0.02	12.10	0.24	-4.04e-03
79	110	550.00	3.83	-12.59	-0.05	5.59	0.23	-1.83e-03
79	110	600.00	4.06	-12.51	-0.09	-0.77	0.19	-1.75e-03

79	110	650.00	4.30	-12.43	-0.14	-6.90	0.13	-1.98e-03
79	110	700.00	4.46	0.74	-0.19	-10.11	0.05	-2.05e-03
79	112	340.00	-2.13	1.43	-0.07	-2.83	-8.12e-03	-0.02
79	112	392.50	-2.13	1.43	-0.07	-2.76	-7.40e-03	-0.02
79	112	445.00	-4.13	-1.50	-0.07	-6.09	-0.02	-0.02
79	112	497.50	-7.67	15.12	0.03	-14.43	-0.03	4.95e-03
79	112	550.00	-7.00	15.04	0.01	-6.63	-0.02	3.28e-03
79	112	600.00	-6.95	14.97	7.83e-03	0.99	-0.01	3.43e-03
79	112	650.00	-6.36	14.88	9.22e-03	8.30	-7.11e-03	3.69e-03
79	112	700.00	-5.47	-1.05	0.01	11.38	-2.59e-03	3.58e-03
79	117	340.00	-2.05	1.82	-0.25	-2.71	-0.06	-0.02
79	117	392.50	-2.05	1.82	-0.25	-2.64	-0.05	-0.02
79	117	445.00	-3.98	-1.37	-0.27	-5.82	-0.17	-0.02
79	117	497.50	-7.39	14.44	0.02	-13.75	-0.23	-5.17e-03
79	117	550.00	-7.14	14.34	0.05	-6.30	-0.22	2.15e-03
79	117	600.00	-6.90	14.24	0.09	0.92	-0.18	1.76e-03
79	117	650.00	-6.65	14.13	0.13	7.91	-0.12	1.89e-03
79	117	700.00	-5.68	-1.01	0.18	10.81	-0.05	1.84e-03
79	142	340.00	1.34	-1.78	0.29	2.32	0.06	0.02
79	142	392.50	1.34	-1.78	0.29	2.38	0.07	0.02
79	142	445.00	2.36	1.09	0.32	5.01	0.20	0.02
79	142	497.50	4.29	-14.43	-0.03	13.78	0.28	-4.57e-03
79	142	550.00	4.55	-14.35	-0.06	6.36	0.25	-2.10e-03
79	142	600.00	4.77	-14.26	-0.10	-0.88	0.21	-2.03e-03
79	142	650.00	5.02	-14.16	-0.16	-7.86	0.15	-2.29e-03
79	142	700.00	5.12	0.85	-0.22	-11.47	0.05	-2.36e-03
79	144	340.00	-2.34	1.60	-0.08	-3.14	-9.19e-03	-0.02
79	144	392.50	-2.34	1.60	-0.08	-3.07	-8.48e-03	-0.02
79	144	445.00	-4.52	-1.66	-0.07	-6.75	-0.03	-0.02
79	144	497.50	-8.39	16.89	0.03	-16.13	-0.03	5.54e-03
79	144	550.00	-7.66	16.81	0.01	-7.41	-0.02	3.64e-03
79	144	600.00	-7.64	16.72	9.00e-03	1.11	-0.01	3.80e-03
79	144	650.00	-7.00	16.63	0.01	9.28	-8.16e-03	4.09e-03
79	144	700.00	-6.08	-1.17	0.01	12.75	-2.96e-03	3.98e-03
79	149	340.00	-2.26	2.05	-0.28	-3.01	-0.06	-0.02
79	149	392.50	-2.26	2.05	-0.28	-2.94	-0.06	-0.02
79	149	445.00	-4.37	-1.51	-0.31	-6.48	-0.19	-0.02
79	149	497.50	-8.10	16.20	0.02	-15.42	-0.26	-5.84e-03
79	149	550.00	-7.85	16.09	0.05	-7.07	-0.24	2.35e-03
79	149	600.00	-7.62	15.97	0.10	1.02	-0.20	1.91e-03
79	149	650.00	-7.36	15.84	0.15	8.87	-0.14	2.06e-03
79	149	700.00	-6.34	-1.12	0.21	12.16	-0.05	2.01e-03
79	174	340.00	1.35	-1.79	0.29	2.33	0.06	0.02
79	174	392.50	1.35	-1.79	0.29	2.40	0.06	0.02
79	174	445.00	2.38	1.10	0.32	5.05	0.20	0.02
79	174	497.50	4.32	-14.54	-0.03	13.88	0.27	-4.32e-03
79	174	550.00	4.58	-14.45	-0.06	6.40	0.25	-1.89e-03
79	174	600.00	4.85	-14.36	-0.10	-0.88	0.21	-1.90e-03
79	174	650.00	5.06	-14.27	-0.16	-7.93	0.14	-2.21e-03
79	174	700.00	5.16	0.86	-0.21	-11.56	0.05	-2.30e-03
79	176	340.00	-2.35	1.61	-0.08	-3.16	-9.13e-03	-0.02
79	176	392.50	-2.35	1.61	-0.08	-3.09	-8.41e-03	-0.02
79	176	445.00	-4.54	-1.67	-0.07	-6.79	-0.03	-0.02
79	176	497.50	-8.42	16.99	0.03	-16.22	-0.03	5.28e-03
79	176	550.00	-7.68	16.91	0.02	-7.45	-0.02	3.40e-03
79	176	600.00	-7.72	16.82	9.60e-03	1.11	-0.01	3.64e-03
79	176	650.00	-7.02	16.72	0.01	9.33	-7.95e-03	3.97e-03
79	176	700.00	-6.10	-1.17	0.01	12.83	-2.88e-03	3.89e-03
79	181	340.00	-2.32	2.12	-0.27	-3.11	-0.06	-0.02
79	181	392.50	-2.32	2.12	-0.27	-3.04	-0.06	-0.02
79	181	445.00	-4.49	-1.56	-0.31	-6.69	-0.19	-0.02
79	181	497.50	-8.32	16.77	0.02	-15.95	-0.26	-5.71e-03
79	181	550.00	-8.08	16.65	0.05	-7.31	-0.24	2.11e-03
79	181	600.00	-7.88	16.52	0.10	1.05	-0.20	1.72e-03
79	181	650.00	-7.58	16.39	0.15	9.18	-0.14	1.96e-03
79	181	700.00	-6.54	-1.16	0.20	12.60	-0.05	1.96e-03
79	213	340.00	-2.71	2.54	-0.32	-3.68	-0.07	-0.03
79	213	392.50	-2.71	2.54	-0.32	-3.61	-0.07	-0.03
79	213	445.00	-5.20	-1.83	-0.36	-7.91	-0.23	-0.02
79	213	497.50	-9.64	20.03	0.03	-19.06	-0.30	-6.78e-03
79	213	550.00	-9.40	19.89	0.06	-8.74	-0.28	2.33e-03
79	213	600.00	-9.22	19.74	0.11	1.25	-0.23	1.88e-03
79	213	650.00	-8.90	19.58	0.17	10.96	-0.16	2.21e-03
79	213	700.00	-7.77	-1.37	0.24	15.12	-0.06	2.24e-03
79	214	340.00	1.72	-2.27	0.33	2.87	0.07	0.03

79	214	392.50	1.72	-2.27	0.33	2.94	0.07	0.03
79	214	445.00	3.07	1.32	0.36	6.20	0.23	0.02
79	214	497.50	5.59	-17.67	-0.03	16.81	0.31	7.24e-03
79	214	550.00	5.85	-17.53	-0.07	7.73	0.28	-1.56e-03
79	214	600.00	6.17	-17.38	-0.11	-1.08	0.23	-9.80e-04
79	214	650.00	6.33	-17.22	-0.17	-9.61	0.16	-1.27e-03
79	214	700.00	6.34	1.06	-0.24	-13.92	0.06	-1.42e-03
79	216	340.00	-2.72	2.01	-0.08	-3.69	-8.64e-03	-0.03
79	216	392.50	-2.72	2.01	-0.08	-3.62	-7.93e-03	-0.03
79	216	445.00	-5.23	-1.90	-0.08	-7.95	-0.03	-0.02
79	216	497.50	-9.68	20.13	0.03	-19.15	-0.03	-6.20e-03
79	216	550.00	-8.86	19.99	0.02	-8.78	-0.02	3.18e-03
79	216	600.00	-8.99	19.84	7.23e-03	1.32	-8.62e-03	2.84e-03
79	216	650.00	-8.18	19.68	7.13e-03	11.02	-4.86e-03	3.15e-03
79	216	700.00	-7.18	-1.37	8.36e-03	15.20	-1.74e-03	3.14e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-9.68	-17.67	-3.77	-19.15	-4.38	-0.03
	6.34	20.13	4.08	16.81	2.19	0.03

Macro	Tipo	Angolo 1-Z (gradi)
80	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
80	27	340.00	20.90	-2.04	-0.48	-1.27	0.0	8.71e-03
80	27	392.50	20.90	-2.04	-0.48	-2.34	-0.25	0.01
80	27	445.00	17.14	-1.02	-0.71	-4.33	-0.27	5.62e-03
80	27	497.50	15.54	5.01	-0.18	-5.68	-3.45e-03	-2.09e-03
80	27	550.00	10.78	5.07	-0.51	-3.03	0.08	-3.81e-03
80	27	600.00	6.01	5.09	-0.66	-0.49	0.03	-5.00e-03
80	27	650.00	0.71	5.17	-0.63	2.07	-0.05	-4.93e-03
80	27	700.00	-2.12	1.98	0.18	2.92	0.0	-6.42e-03
80	28	340.00	20.89	-2.24	-0.45	-1.41	0.0	9.12e-03
80	28	392.50	20.89	-2.24	-0.45	-2.59	-0.24	0.01
80	28	445.00	16.90	-1.17	-0.70	-4.74	-0.25	5.96e-03
80	28	497.50	15.08	5.23	-0.18	-6.22	0.02	-2.22e-03
80	28	550.00	10.08	5.29	-0.52	-3.45	0.10	-4.09e-03
80	28	600.00	5.07	5.31	-0.67	-0.80	0.04	-5.35e-03
80	28	650.00	-0.50	5.40	-0.64	1.87	-0.05	-5.26e-03
80	28	700.00	-3.43	2.01	0.17	2.77	0.0	-6.72e-03
80	33	340.00	10.04	-2.07	-0.63	-1.16	0.0	6.97e-03
80	33	392.50	10.04	-2.07	-0.63	-2.25	-0.33	7.94e-03
80	33	445.00	7.77	-1.28	-0.76	-3.84	-0.40	4.09e-03
80	33	497.50	7.42	3.19	-0.19	-5.09	-0.15	-1.65e-03
80	33	550.00	3.49	3.23	-0.50	-3.40	-0.06	-2.76e-03
80	33	600.00	-0.35	3.25	-0.60	-1.78	-0.10	-3.70e-03
80	33	650.00	-4.53	3.31	-0.49	-0.14	-0.14	-3.80e-03
80	33	700.00	-6.47	1.04	0.35	0.29	0.0	-5.59e-03
80	79	340.00	14.48	-1.49	-0.30	-0.91	0.0	6.10e-03
80	79	392.50	14.48	-1.49	-0.30	-1.69	-0.16	7.63e-03
80	79	445.00	11.93	-0.76	-0.47	-3.11	-0.17	3.98e-03
80	79	497.50	10.99	3.52	-0.12	-4.07	0.01	-1.49e-03
80	79	550.00	7.55	3.56	-0.34	-2.21	0.07	-2.75e-03
80	79	600.00	4.10	3.57	-0.45	-0.43	0.03	-3.60e-03
80	79	650.00	0.28	3.63	-0.43	1.36	-0.03	-3.55e-03
80	79	700.00	-1.74	1.37	0.11	1.94	0.0	-4.51e-03
80	80	340.00	14.48	-1.63	-0.29	-1.00	0.0	6.37e-03
80	80	392.50	14.48	-1.63	-0.29	-1.86	-0.15	8.07e-03
80	80	445.00	11.78	-0.86	-0.46	-3.38	-0.15	4.21e-03
80	80	497.50	10.68	3.67	-0.12	-4.43	0.02	-1.58e-03
80	80	550.00	7.08	3.71	-0.35	-2.49	0.08	-2.94e-03
80	80	600.00	3.48	3.72	-0.45	-0.64	0.04	-3.83e-03
80	80	650.00	-0.53	3.78	-0.44	1.24	-0.03	-3.77e-03
80	80	700.00	-2.62	1.40	0.10	1.84	0.0	-4.71e-03
80	81	340.00	7.24	-1.51	-0.41	-0.84	0.0	4.94e-03
80	81	392.50	7.24	-1.51	-0.41	-1.63	-0.21	5.74e-03
80	81	445.00	5.69	-0.94	-0.50	-2.78	-0.25	2.96e-03
80	81	497.50	5.57	2.31	-0.13	-3.68	-0.09	-1.20e-03
80	81	550.00	2.69	2.34	-0.34	-2.46	-0.03	-2.05e-03
80	81	600.00	-0.14	2.35	-0.41	-1.29	-0.06	-2.73e-03
80	81	650.00	-3.21	2.39	-0.34	-0.11	-0.08	-2.80e-03

80	81	700.00	-4.64	0.75	0.22	0.20	0.0	-3.95e-03
80	98	340.00	12.31	-1.34	0.26	-0.80	0.0	4.19e-03
80	98	392.50	12.31	-1.34	0.26	-1.50	0.14	6.63e-03
80	98	445.00	10.43	-0.69	0.10	-2.72	0.22	3.47e-03
80	98	497.50	10.00	3.05	1.01e-03	-3.57	0.24	-1.29e-03
80	98	550.00	6.89	3.08	-0.05	-1.96	0.22	-2.83e-03
80	98	600.00	3.76	3.10	-0.11	-0.41	0.18	-3.57e-03
80	98	650.00	0.27	3.15	-0.19	1.14	0.11	-3.39e-03
80	98	700.00	-1.58	1.16	-0.22	1.61	0.0	-2.85e-03
80	99	340.00	7.24	-1.22	0.17	-0.66	0.0	3.10e-03
80	99	392.50	7.24	-1.22	0.17	-1.30	0.09	4.87e-03
80	99	445.00	6.22	-0.71	0.06	-2.22	0.14	2.52e-03
80	99	497.50	6.51	2.05	-3.33e-03	-2.93	0.16	-9.96e-04
80	99	550.00	3.96	2.08	-0.04	-1.85	0.14	-2.15e-03
80	99	600.00	1.42	2.09	-0.07	-0.81	0.12	-2.73e-03
80	99	650.00	-1.37	2.12	-0.12	0.24	0.07	-2.65e-03
80	99	700.00	-2.74	0.70	-0.14	0.49	0.0	-2.26e-03
80	106	340.00	7.24	-1.16	0.16	-0.62	0.0	3.00e-03
80	106	392.50	7.24	-1.16	0.16	-1.23	0.09	4.69e-03
80	106	445.00	6.28	-0.67	0.06	-2.11	0.14	2.43e-03
80	106	497.50	6.64	1.99	-2.21e-03	-2.79	0.15	-9.60e-04
80	106	550.00	4.14	2.02	-0.04	-1.74	0.14	-2.07e-03
80	106	600.00	1.67	2.03	-0.07	-0.73	0.11	-2.64e-03
80	106	650.00	-1.05	2.06	-0.12	0.29	0.07	-2.56e-03
80	106	700.00	-2.39	0.69	-0.13	0.53	0.0	-2.18e-03
80	107	340.00	11.58	-1.31	0.24	-0.77	0.0	4.02e-03
80	107	392.50	11.58	-1.31	0.24	-1.46	0.13	6.35e-03
80	107	445.00	9.84	-0.68	0.09	-2.63	0.21	3.32e-03
80	107	497.50	9.52	2.90	5.55e-04	-3.46	0.23	-1.24e-03
80	107	550.00	6.50	2.93	-0.05	-1.93	0.21	-2.72e-03
80	107	600.00	3.46	2.94	-0.10	-0.46	0.17	-3.44e-03
80	107	650.00	0.08	2.99	-0.18	1.02	0.11	-3.27e-03
80	107	700.00	-1.70	1.09	-0.21	1.46	0.0	-2.75e-03
80	112	340.00	14.24	-14.40	0.37	-15.37	0.03	0.07
80	112	392.50	14.24	-14.40	0.37	-16.06	0.16	0.07
80	112	445.00	16.22	-4.87	0.15	-34.07	0.30	0.05
80	112	497.50	17.28	51.27	0.02	-62.18	0.35	-3.21e-03
80	112	550.00	15.92	50.94	-0.04	-35.45	0.33	-0.06
80	112	600.00	12.34	50.69	-0.12	-9.10	0.28	-0.07
80	112	650.00	10.03	50.48	-0.26	17.09	0.22	-0.08
80	112	700.00	8.34	16.20	-0.40	34.19	0.06	-0.06
80	120	340.00	14.15	-13.57	0.37	-14.71	0.03	0.07
80	120	392.50	14.15	-13.57	0.37	-15.40	0.16	0.06
80	120	445.00	15.93	-4.48	0.15	-32.64	0.29	0.05
80	120	497.50	16.73	49.25	5.87e-03	-59.35	0.34	-0.01
80	120	550.00	13.96	48.79	-0.05	-33.64	0.32	-0.06
80	120	600.00	11.81	48.38	-0.12	-8.54	0.27	-0.08
80	120	650.00	9.40	48.02	-0.25	16.40	0.22	-0.09
80	120	700.00	7.77	15.36	-0.38	32.63	0.06	-0.07
80	132	340.00	15.22	-8.06	0.55	-10.28	0.08	0.01
80	132	392.50	15.22	-8.06	0.55	-10.97	0.21	0.02
80	132	445.00	18.63	-2.22	0.22	-23.19	0.42	0.01
80	132	497.50	16.48	30.99	-0.04	-37.15	0.50	-9.67e-03
80	132	550.00	16.19	30.77	-0.04	-21.14	0.44	-0.02
80	132	600.00	16.59	30.59	-0.10	-4.14	0.38	-0.03
80	132	650.00	14.13	30.46	-0.30	11.41	0.31	-0.03
80	132	700.00	13.49	9.82	-0.58	21.94	0.10	-0.02
80	135	340.00	7.94	5.43	-0.06	8.73	-0.08	-6.15e-03
80	135	392.50	7.94	5.43	-0.06	8.04	0.05	-3.45e-03
80	135	445.00	1.05	0.85	-0.04	17.92	-9.93e-03	-4.62e-03
80	135	497.50	2.55	-25.20	0.04	30.24	-0.05	7.18e-03
80	135	550.00	-3.19	-24.91	-0.07	17.29	-0.01	0.02
80	135	600.00	-9.66	-24.71	-0.10	3.22	-0.03	0.02
80	135	650.00	-13.97	-24.48	-0.06	-9.37	-0.09	0.03
80	135	700.00	-16.89	-7.64	0.17	-19.02	-0.10	0.02
80	144	340.00	14.58	-16.06	0.39	-17.23	0.04	0.08
80	144	392.50	14.58	-16.06	0.39	-17.92	0.17	0.08
80	144	445.00	17.04	-5.40	0.16	-38.08	0.31	0.06
80	144	497.50	18.27	57.43	0.02	-69.65	0.36	-3.49e-03
80	144	550.00	17.11	57.06	-0.04	-39.71	0.34	-0.06
80	144	600.00	13.48	56.77	-0.12	-10.19	0.29	-0.08
80	144	650.00	11.29	56.53	-0.27	19.14	0.24	-0.09
80	144	700.00	9.63	18.12	-0.42	38.36	0.07	-0.07
80	152	340.00	14.50	-15.18	0.39	-16.55	0.04	0.07
80	152	392.50	14.50	-15.18	0.39	-17.24	0.17	0.07

80	152	445.00	16.73	-4.97	0.16	-36.61	0.31	0.05
80	152	497.50	17.67	55.39	6.96e-03	-66.74	0.36	-0.02
80	152	550.00	14.95	54.85	-0.05	-37.84	0.33	-0.06
80	152	600.00	12.91	54.39	-0.12	-9.61	0.28	-0.09
80	152	650.00	10.62	53.97	-0.26	18.43	0.23	-0.10
80	152	700.00	9.02	17.25	-0.40	36.76	0.06	-0.08
80	164	340.00	15.69	-8.92	0.59	-11.50	0.09	0.02
80	164	392.50	15.69	-8.92	0.59	-12.19	0.22	0.02
80	164	445.00	19.76	-2.42	0.24	-25.84	0.45	0.01
80	164	497.50	17.37	34.62	-0.05	-41.49	0.54	-0.01
80	164	550.00	17.42	34.36	-0.04	-23.61	0.46	-0.03
80	164	600.00	18.24	34.16	-0.10	-4.61	0.40	-0.03
80	164	650.00	15.89	34.00	-0.31	12.74	0.33	-0.04
80	164	700.00	15.41	10.94	-0.63	24.57	0.11	-0.02
80	167	340.00	7.47	6.30	-0.10	9.95	-0.09	-7.51e-03
80	167	392.50	7.47	6.30	-0.10	9.26	0.04	-4.76e-03
80	167	445.00	-0.08	1.05	-0.06	20.57	-0.04	-5.66e-03
80	167	497.50	1.66	-28.82	0.05	34.57	-0.09	8.27e-03
80	167	550.00	-4.42	-28.50	-0.07	19.76	-0.04	0.02
80	167	600.00	-11.31	-28.27	-0.10	3.70	-0.05	0.03
80	167	650.00	-15.74	-28.02	-0.05	-10.70	-0.12	0.03
80	167	700.00	-18.81	-8.76	0.22	-21.65	-0.11	0.02
80	176	340.00	14.62	-16.13	0.39	-17.32	0.04	0.08
80	176	392.50	14.62	-16.13	0.39	-18.01	0.17	0.08
80	176	445.00	17.09	-5.41	0.16	-38.31	0.31	0.06
80	176	497.50	18.29	57.80	0.02	-70.04	0.36	-4.29e-03
80	176	550.00	17.04	57.42	-0.04	-39.92	0.34	-0.06
80	176	600.00	13.60	57.12	-0.12	-10.21	0.29	-0.08
80	176	650.00	11.32	56.88	-0.27	19.21	0.23	-0.09
80	176	700.00	9.79	18.23	-0.41	38.61	0.07	-0.07
80	184	340.00	14.60	-15.68	0.39	-17.10	0.04	0.08
80	184	392.50	14.60	-15.68	0.39	-17.79	0.17	0.07
80	184	445.00	16.92	-5.12	0.16	-37.84	0.31	0.05
80	184	497.50	17.92	57.35	0.01	-69.06	0.36	-0.02
80	184	550.00	15.26	56.79	-0.05	-39.15	0.33	-0.07
80	184	600.00	13.21	56.30	-0.12	-9.92	0.28	-0.09
80	184	650.00	10.83	55.87	-0.26	19.01	0.22	-0.10
80	184	700.00	9.37	17.84	-0.40	38.05	0.06	-0.08
80	196	340.00	15.76	-9.02	0.58	-11.62	0.09	0.02
80	196	392.50	15.76	-9.02	0.58	-12.31	0.22	0.02
80	196	445.00	19.86	-2.45	0.24	-26.13	0.45	0.01
80	196	497.50	17.41	35.05	-0.04	-41.96	0.54	-0.01
80	196	550.00	17.37	34.79	-0.04	-23.86	0.46	-0.03
80	196	600.00	18.16	34.58	-0.10	-4.67	0.40	-0.03
80	196	650.00	15.74	34.43	-0.31	12.85	0.33	-0.04
80	196	700.00	15.32	11.08	-0.62	24.85	0.11	-0.02
80	199	340.00	7.41	6.39	-0.10	10.07	-0.09	-7.81e-03
80	199	392.50	7.41	6.39	-0.10	9.39	0.04	-5.00e-03
80	199	445.00	-0.19	1.08	-0.06	20.87	-0.04	-5.64e-03
80	199	497.50	1.62	-29.25	0.04	35.05	-0.09	8.57e-03
80	199	550.00	-4.37	-28.93	-0.07	20.01	-0.04	0.02
80	199	600.00	-11.24	-28.69	-0.10	3.75	-0.05	0.03
80	199	650.00	-15.59	-28.45	-0.05	-10.80	-0.11	0.03
80	199	700.00	-18.71	-8.90	0.21	-21.93	-0.11	0.02
80	216	340.00	15.22	-18.68	0.41	-20.49	0.04	0.09
80	216	392.50	15.22	-18.68	0.41	-21.18	0.17	0.09
80	216	445.00	18.35	-6.05	0.17	-45.18	0.32	0.06
80	216	497.50	19.64	68.73	0.01	-82.76	0.38	-0.02
80	216	550.00	17.04	68.04	-0.05	-46.93	0.35	-0.08
80	216	600.00	15.14	67.45	-0.13	-11.90	0.30	-0.11
80	216	650.00	12.91	66.92	-0.27	22.73	0.24	-0.12
80	216	700.00	11.56	21.34	-0.43	45.68	0.07	-0.09
80	228	340.00	16.53	-10.45	0.64	-13.62	0.10	0.02
80	228	392.50	16.53	-10.45	0.64	-14.31	0.23	0.02
80	228	445.00	21.71	-2.78	0.26	-30.48	0.49	0.01
80	228	497.50	18.83	41.01	-0.05	-49.09	0.60	-0.01
80	228	550.00	19.25	40.70	-0.04	-27.92	0.51	-0.03
80	228	600.00	20.67	40.45	-0.10	-5.44	0.43	-0.04
80	228	650.00	18.36	40.26	-0.34	15.00	0.36	-0.04
80	228	700.00	18.19	12.95	-0.69	29.15	0.12	-0.03
80	231	340.00	6.63	7.82	-0.16	12.07	-0.10	-0.01
80	231	392.50	6.63	7.82	-0.16	11.38	0.03	-7.33e-03
80	231	445.00	-2.03	1.41	-0.08	25.22	-0.08	-7.35e-03
80	231	497.50	0.20	-35.22	0.05	42.18	-0.14	0.01
80	231	550.00	-6.25	-34.84	-0.07	24.07	-0.09	0.03

80	231	600.00	-13.74	-34.57	-0.10	4.53	-0.09	0.03
80	231	650.00	-18.20	-34.28	-0.02	-12.95	-0.15	0.04
80	231	700.00	-21.59	-10.76	0.28	-26.23	-0.12	0.02
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-21.59	-35.22	-0.76	-82.76	-0.40	-0.12
			21.71	68.73	0.64	45.68	0.60	0.09

Macro	Tipo	Angolo 1-Z (gradi)
81	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
81	3	340.00	-0.46	0.11	1.05	-0.27	0.0	9.24e-05
81	3	392.50	-0.46	0.11	1.05	-0.22	0.55	1.03e-04
81	3	445.00	-1.02	-0.15	1.14	-0.57	1.15	5.01e-05
81	3	497.50	-2.00	0.73	0.31	-0.77	1.31	-7.96e-05
81	3	550.00	-1.67	0.73	-0.08	-0.39	1.27	-1.08e-04
81	3	600.00	-1.35	0.73	-0.47	-0.02	1.04	-1.20e-04
81	3	650.00	-1.04	0.73	-0.85	0.34	0.61	-1.23e-04
81	3	700.00	-0.38	-0.07	-1.23	0.31	0.0	-1.06e-04
81	19	340.00	-0.29	0.04	1.75	-0.11	0.0	-8.17e-06
81	19	392.50	-0.29	0.04	1.75	-0.09	0.92	-1.24e-05
81	19	445.00	-0.68	-0.07	1.89	-0.24	1.91	-1.60e-05
81	19	497.50	-1.31	0.28	0.53	-0.33	2.19	-3.78e-05
81	19	550.00	-1.06	0.28	-0.13	-0.19	2.12	-4.25e-05
81	19	600.00	-0.81	0.28	-0.78	-0.05	1.73	-4.45e-05
81	19	650.00	-0.57	0.28	-1.41	0.09	1.02	-4.49e-05
81	19	700.00	-0.10	-0.01	-2.04	0.08	0.0	-3.82e-05
81	28	340.00	-0.48	0.12	-2.10	-0.30	0.0	5.16e-05
81	28	392.50	-0.48	0.12	-2.10	-0.24	-1.10	5.56e-05
81	28	445.00	-1.06	-0.17	-2.25	-0.62	-2.28	2.25e-05
81	28	497.50	-2.12	0.81	-0.64	-0.84	-2.62	-3.92e-05
81	28	550.00	-1.79	0.81	0.16	-0.41	-2.53	-5.31e-05
81	28	600.00	-1.47	0.81	0.93	-5.23e-03	-2.07	-5.88e-05
81	28	650.00	-1.16	0.81	1.69	0.40	-1.22	-6.06e-05
81	28	700.00	-0.50	-0.09	2.45	0.36	0.0	-5.20e-05
81	35	340.00	-0.48	0.11	-2.10	-0.29	0.0	1.71e-05
81	35	392.50	-0.48	0.11	-2.10	-0.23	-1.10	1.58e-05
81	35	445.00	-1.07	-0.16	-2.26	-0.60	-2.28	-1.30e-06
81	35	497.50	-2.13	0.79	-0.64	-0.81	-2.62	-2.57e-05
81	35	550.00	-1.80	0.79	0.16	-0.40	-2.53	-3.15e-05
81	35	600.00	-1.48	0.79	0.93	-2.61e-03	-2.07	-3.38e-05
81	35	650.00	-1.17	0.79	1.69	0.39	-1.22	-3.45e-05
81	35	700.00	-0.51	-0.09	2.45	0.35	0.0	-2.95e-05
81	67	340.00	-0.34	0.08	0.70	-0.19	0.0	5.22e-05
81	67	392.50	-0.34	0.08	0.70	-0.16	0.37	5.69e-05
81	67	445.00	-0.77	-0.11	0.76	-0.40	0.77	2.46e-05
81	67	497.50	-1.50	0.52	0.21	-0.55	0.88	-5.60e-05
81	67	550.00	-1.25	0.52	-0.05	-0.28	0.85	-7.38e-05
81	67	600.00	-1.00	0.52	-0.31	-0.02	0.69	-8.11e-05
81	67	650.00	-0.76	0.52	-0.57	0.24	0.41	-8.34e-05
81	67	700.00	-0.27	-0.05	-0.82	0.21	0.0	-7.14e-05
81	72	340.00	-0.30	0.04	1.17	-0.12	0.0	-1.59e-05
81	72	392.50	-0.30	0.04	1.17	-0.10	0.61	-2.18e-05
81	72	445.00	-0.69	-0.07	1.26	-0.26	1.27	-2.29e-05
81	72	497.50	-1.34	0.31	0.35	-0.36	1.46	-3.56e-05
81	72	550.00	-1.09	0.31	-0.09	-0.20	1.41	-3.83e-05
81	72	600.00	-0.84	0.31	-0.52	-0.04	1.15	-3.95e-05
81	72	650.00	-0.60	0.31	-0.94	0.11	0.68	-3.96e-05
81	72	700.00	-0.13	-0.02	-1.36	0.10	0.0	-3.37e-05
81	80	340.00	-0.36	0.08	-1.40	-0.21	0.0	2.50e-05
81	80	392.50	-0.36	0.08	-1.40	-0.17	-0.73	2.55e-05
81	80	445.00	-0.79	-0.12	-1.50	-0.44	-1.52	6.21e-06
81	80	497.50	-1.58	0.57	-0.42	-0.60	-1.74	-2.91e-05
81	80	550.00	-1.33	0.57	0.11	-0.30	-1.69	-3.71e-05
81	80	600.00	-1.09	0.57	0.62	-9.83e-03	-1.38	-4.05e-05
81	80	650.00	-0.85	0.57	1.13	0.28	-0.82	-4.15e-05
81	80	700.00	-0.35	-0.06	1.63	0.25	0.0	-3.55e-05
81	83	340.00	-0.36	0.08	-1.40	-0.20	0.0	2.00e-06
81	83	392.50	-0.36	0.08	-1.40	-0.16	-0.73	-1.03e-06
81	83	445.00	-0.80	-0.11	-1.50	-0.42	-1.52	-9.66e-06

81	83	497.50	-1.59	0.55	-0.42	-0.58	-1.75	-2.02e-05
81	83	550.00	-1.34	0.55	0.11	-0.29	-1.69	-2.27e-05
81	83	600.00	-1.09	0.55	0.62	-8.09e-03	-1.38	-2.38e-05
81	83	650.00	-0.85	0.55	1.13	0.27	-0.82	-2.40e-05
81	83	700.00	-0.35	-0.06	1.63	0.24	0.0	-2.05e-05
81	98	340.00	-0.33	0.07	2.24e-03	-0.18	0.0	1.26e-05
81	98	392.50	-0.33	0.07	2.24e-03	-0.14	1.17e-03	1.03e-05
81	98	445.00	-0.75	-0.10	3.19e-03	-0.37	2.85e-03	-5.67e-06
81	98	497.50	-1.48	0.47	-1.12e-03	-0.50	2.26e-03	-4.49e-05
81	98	550.00	-1.22	0.47	-1.12e-03	-0.26	1.68e-03	-5.36e-05
81	98	600.00	-0.98	0.47	-1.12e-03	-0.02	1.12e-03	-5.73e-05
81	98	650.00	-0.74	0.47	-1.12e-03	0.21	5.58e-04	-5.82e-05
81	98	700.00	-0.25	-0.04	-1.12e-03	0.19	0.0	-4.97e-05
81	101	340.00	-0.33	0.07	2.17e-03	-0.18	0.0	4.98e-06
81	101	392.50	-0.33	0.07	2.17e-03	-0.14	1.14e-03	1.53e-06
81	101	445.00	-0.75	-0.10	3.10e-03	-0.36	2.77e-03	-1.09e-05
81	101	497.50	-1.48	0.46	-1.08e-03	-0.50	2.20e-03	-4.18e-05
81	101	550.00	-1.23	0.46	-1.08e-03	-0.25	1.63e-03	-4.87e-05
81	101	600.00	-0.98	0.46	-1.08e-03	-0.02	1.08e-03	-5.16e-05
81	101	650.00	-0.74	0.46	-1.08e-03	0.21	5.42e-04	-5.23e-05
81	101	700.00	-0.25	-0.04	-1.08e-03	0.19	0.0	-4.46e-05
81	102	340.00	-0.30	0.04	0.23	-0.13	0.0	-3.71e-05
81	102	392.50	-0.30	0.04	0.23	-0.10	0.12	-4.73e-05
81	102	445.00	-0.69	-0.07	0.25	-0.27	0.26	-4.07e-05
81	102	497.50	-1.37	0.32	0.07	-0.37	0.29	-3.00e-05
81	102	550.00	-1.11	0.32	-0.02	-0.20	0.28	-2.78e-05
81	102	600.00	-0.87	0.32	-0.10	-0.04	0.23	-2.69e-05
81	102	650.00	-0.63	0.32	-0.19	0.12	0.14	-2.63e-05
81	102	700.00	-0.16	-0.02	-0.27	0.11	0.0	-2.21e-05
81	106	340.00	-0.30	0.04	1.44e-03	-0.13	0.0	-4.25e-05
81	106	392.50	-0.30	0.04	1.44e-03	-0.10	7.58e-04	-5.37e-05
81	106	445.00	-0.69	-0.07	2.06e-03	-0.27	1.84e-03	-4.52e-05
81	106	497.50	-1.37	0.33	-7.22e-04	-0.37	1.46e-03	-2.86e-05
81	106	550.00	-1.12	0.33	-7.22e-04	-0.20	1.08e-03	-2.51e-05
81	106	600.00	-0.87	0.33	-7.22e-04	-0.04	7.22e-04	-2.38e-05
81	106	650.00	-0.63	0.33	-7.22e-04	0.13	3.61e-04	-2.29e-05
81	106	700.00	-0.17	-0.02	-7.22e-04	0.11	0.0	-1.92e-05
81	107	340.00	-0.33	0.06	2.12e-03	-0.17	0.0	4.75e-06
81	107	392.50	-0.33	0.06	2.12e-03	-0.14	1.11e-03	1.18e-06
81	107	445.00	-0.74	-0.10	3.03e-03	-0.35	2.70e-03	-1.13e-05
81	107	497.50	-1.46	0.45	-1.06e-03	-0.48	2.15e-03	-4.26e-05
81	107	550.00	-1.21	0.45	-1.06e-03	-0.25	1.59e-03	-4.96e-05
81	107	600.00	-0.96	0.45	-1.06e-03	-0.03	1.06e-03	-5.25e-05
81	107	650.00	-0.72	0.45	-1.06e-03	0.20	5.30e-04	-5.32e-05
81	107	700.00	-0.24	-0.04	-1.06e-03	0.18	0.0	-4.54e-05
81	112	340.00	-2.16	2.45	0.10	-2.68	0.02	-0.02
81	112	392.50	-2.16	2.45	0.10	-2.65	0.03	-0.02
81	112	445.00	-4.14	-0.99	0.11	-5.77	0.08	-0.01
81	112	497.50	-7.70	14.84	2.28e-04	-14.26	0.11	4.55e-03
81	112	550.00	-7.45	14.76	-0.02	-6.61	0.11	2.10e-03
81	112	600.00	-7.16	14.68	-0.04	0.84	0.09	1.86e-03
81	112	650.00	-6.95	14.60	-0.07	8.05	0.06	2.08e-03
81	112	700.00	-6.01	-0.96	-0.09	11.29	0.02	1.99e-03
81	115	340.00	1.51	-2.32	-0.09	2.35	-0.02	0.02
81	115	392.50	1.51	-2.32	-0.09	2.38	-0.02	0.02
81	115	445.00	2.67	0.80	-0.11	5.06	-0.08	0.01
81	115	497.50	4.78	-13.94	-2.35e-03	13.29	-0.11	-4.63e-03
81	115	550.00	5.03	-13.87	0.02	6.11	-0.10	-2.20e-03
81	115	600.00	5.23	-13.79	0.04	-0.89	-0.09	-1.96e-03
81	115	650.00	5.51	-13.71	0.06	-7.65	-0.06	-2.18e-03
81	115	700.00	5.53	0.88	0.09	-10.93	-0.02	-2.08e-03
81	123	340.00	1.42	-2.26	-0.09	2.22	-0.02	0.02
81	123	392.50	1.42	-2.26	-0.09	2.26	-0.02	0.02
81	123	445.00	2.50	0.73	-0.11	4.80	-0.07	0.01
81	123	497.50	4.48	-13.29	-2.82e-03	12.62	-0.10	5.60e-03
81	123	550.00	4.73	-13.19	0.02	5.78	-0.10	2.90e-03
81	123	600.00	4.95	-13.08	0.04	-0.87	-0.09	-1.56e-03
81	123	650.00	5.21	-12.97	0.06	-7.27	-0.06	-1.52e-03
81	123	700.00	5.25	0.84	0.09	-10.38	-0.02	-1.35e-03
81	144	340.00	-2.40	2.75	0.11	-3.00	0.03	-0.02
81	144	392.50	-2.40	2.75	0.11	-2.97	0.03	-0.02
81	144	445.00	-4.58	-1.11	0.13	-6.46	0.09	-0.02
81	144	497.50	-8.49	16.67	4.30e-04	-16.01	0.12	5.12e-03
81	144	550.00	-8.24	16.59	-0.02	-7.41	0.12	2.37e-03
81	144	600.00	-7.95	16.50	-0.05	0.95	0.10	2.09e-03

81	144	650.00	-7.75	16.40	-0.07	9.05	0.07	2.34e-03
81	144	700.00	-6.74	-1.08	-0.10	12.70	0.03	2.24e-03
81	147	340.00	1.74	-2.63	-0.10	2.67	-0.03	0.02
81	147	392.50	1.74	-2.63	-0.10	2.70	-0.03	0.02
81	147	445.00	3.10	0.91	-0.12	5.75	-0.09	0.02
81	147	497.50	5.57	-15.78	-2.55e-03	15.04	-0.12	-5.21e-03
81	147	550.00	5.83	-15.69	0.02	6.92	-0.11	-2.47e-03
81	147	600.00	6.02	-15.60	0.05	-1.00	-0.10	-2.20e-03
81	147	650.00	6.30	-15.51	0.07	-8.65	-0.07	-2.44e-03
81	147	700.00	6.26	1.00	0.10	-12.35	-0.03	-2.33e-03
81	155	340.00	1.65	-2.57	-0.10	2.54	-0.03	0.02
81	155	392.50	1.65	-2.57	-0.10	2.57	-0.03	0.02
81	155	445.00	2.93	0.84	-0.12	5.48	-0.08	0.02
81	155	497.50	5.26	-15.10	-3.08e-03	14.35	-0.12	6.32e-03
81	155	550.00	5.51	-14.99	0.02	6.58	-0.11	3.25e-03
81	155	600.00	5.74	-14.87	0.05	-0.98	-0.10	-1.73e-03
81	155	650.00	5.99	-14.75	0.07	-8.26	-0.07	-1.68e-03
81	155	700.00	5.98	0.95	0.10	-11.78	-0.02	-1.50e-03
81	176	340.00	-2.41	2.77	0.11	-3.02	0.03	-0.02
81	176	392.50	-2.41	2.77	0.11	-2.99	0.03	-0.02
81	176	445.00	-4.60	-1.11	0.13	-6.50	0.09	-0.02
81	176	497.50	-8.53	16.78	7.31e-04	-16.11	0.12	4.91e-03
81	176	550.00	-8.28	16.69	-0.02	-7.46	0.12	2.18e-03
81	176	600.00	-8.03	16.60	-0.05	0.95	0.10	1.92e-03
81	176	650.00	-7.79	16.51	-0.07	9.11	0.07	2.19e-03
81	176	700.00	-6.78	-1.09	-0.10	12.79	0.02	2.12e-03
81	179	340.00	1.76	-2.65	-0.10	2.68	-0.03	0.02
81	179	392.50	1.76	-2.65	-0.10	2.72	-0.03	0.02
81	179	445.00	3.12	0.92	-0.12	5.79	-0.08	0.02
81	179	497.50	5.61	-15.89	-2.85e-03	15.14	-0.12	-4.99e-03
81	179	550.00	5.86	-15.80	0.02	6.96	-0.11	-2.28e-03
81	179	600.00	6.11	-15.71	0.05	-1.00	-0.10	-2.03e-03
81	179	650.00	6.34	-15.61	0.07	-8.71	-0.07	-2.30e-03
81	179	700.00	6.30	1.01	0.10	-12.43	-0.02	-2.22e-03
81	187	340.00	1.72	-2.66	-0.10	2.64	-0.03	0.02
81	187	392.50	1.72	-2.66	-0.10	2.67	-0.03	0.02
81	187	445.00	3.06	0.88	-0.12	5.70	-0.08	0.02
81	187	497.50	5.50	-15.68	-3.29e-03	14.90	-0.12	6.24e-03
81	187	550.00	5.76	-15.57	0.02	6.83	-0.11	3.09e-03
81	187	600.00	6.02	-15.44	0.04	-1.00	-0.10	-1.55e-03
81	187	650.00	6.23	-15.31	0.07	-8.58	-0.07	-1.50e-03
81	187	700.00	6.20	0.99	0.10	-12.23	-0.02	-1.34e-03
81	216	340.00	-2.80	3.36	0.12	-3.57	0.03	-0.03
81	216	392.50	-2.80	3.36	0.12	-3.53	0.03	-0.02
81	216	445.00	-5.33	-1.27	0.14	-7.67	0.10	-0.02
81	216	497.50	-9.88	19.95	1.51e-03	-19.08	0.14	-7.50e-03
81	216	550.00	-9.63	19.81	-0.03	-8.81	0.13	-3.71e-03
81	216	600.00	-9.41	19.66	-0.05	1.16	0.11	1.65e-03
81	216	650.00	-9.13	19.50	-0.08	10.81	0.08	1.58e-03
81	216	700.00	-8.02	-1.29	-0.11	15.17	0.03	1.43e-03
81	219	340.00	2.15	-3.23	-0.12	3.23	-0.03	0.03
81	219	392.50	2.15	-3.23	-0.12	3.26	-0.03	0.02
81	219	445.00	3.85	1.08	-0.14	6.96	-0.10	0.02
81	219	497.50	6.96	-19.06	-3.63e-03	18.11	-0.13	7.41e-03
81	219	550.00	7.21	-18.91	0.02	8.31	-0.13	3.61e-03
81	219	600.00	7.48	-18.76	0.05	-1.21	-0.11	-1.76e-03
81	219	650.00	7.69	-18.60	0.08	-10.41	-0.08	-1.69e-03
81	219	700.00	7.54	1.21	0.11	-14.82	-0.03	-1.52e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-9.88	-19.06	-2.26	-19.08	-2.62	-0.03
			7.69	19.95	2.45	18.11	2.19	0.03

Macro	Tipo	Angolo 1-Z (gradi)
82	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
82	3	340.00	20.57	-0.24	0.73	0.23	0.0	-1.42e-03
82	3	392.50	20.57	-0.24	0.73	0.10	0.38	-5.40e-04
82	3	445.00	16.81	-0.07	0.47	-0.28	0.52	-3.49e-04
82	3	497.50	15.18	0.89	0.05	-0.46	0.40	-1.19e-03

82	3	550.00	10.68	0.90	0.14	7.10e-03	0.31	-1.73e-03
82	3	600.00	6.21	0.90	0.15	0.46	0.27	-1.78e-03
82	3	650.00	1.26	0.91	0.03	0.91	0.20	-1.53e-03
82	3	700.00	-1.47	0.48	-0.43	0.87	0.0	1.52e-04
82	27	340.00	20.62	-0.37	-0.63	0.27	0.0	2.93e-03
82	27	392.50	20.62	-0.37	-0.63	0.08	-0.33	1.83e-03
82	27	445.00	16.05	-0.20	-0.83	-0.31	-0.43	6.42e-04
82	27	497.50	13.92	0.57	-0.23	-0.54	-0.21	-3.54e-04
82	27	550.00	9.15	0.58	-0.49	-0.23	-0.13	-1.92e-04
82	27	600.00	4.53	0.58	-0.57	0.06	-0.16	-6.51e-04
82	27	650.00	-0.46	0.58	-0.43	0.35	-0.17	-1.16e-03
82	27	700.00	-3.09	0.37	0.40	0.25	0.0	-3.04e-03
82	33	340.00	9.86	-0.74	-0.71	-0.15	0.0	3.25e-03
82	33	392.50	9.86	-0.74	-0.71	-0.54	-0.37	2.20e-03
82	33	445.00	7.11	-0.62	-0.83	-1.06	-0.49	9.03e-04
82	33	497.50	6.42	0.12	-0.21	-1.56	-0.26	-1.60e-04
82	33	550.00	2.50	0.12	-0.47	-1.50	-0.17	-5.30e-05
82	33	600.00	-1.26	0.12	-0.54	-1.44	-0.18	-5.57e-04
82	33	650.00	-5.29	0.12	-0.41	-1.37	-0.18	-1.11e-03
82	33	700.00	-7.16	-0.08	0.44	-1.59	0.0	-3.07e-03
82	42	340.00	9.88	-0.63	-1.33	-0.08	0.0	5.05e-03
82	42	392.50	9.88	-0.63	-1.33	-0.41	-0.70	3.01e-03
82	42	445.00	7.09	-0.54	-1.41	-0.85	-0.92	1.24e-03
82	42	497.50	6.49	-0.02	-0.33	-1.28	-0.54	2.82e-04
82	42	550.00	2.71	-0.01	-0.74	-1.29	-0.37	7.66e-04
82	42	600.00	-0.85	-0.01	-0.86	-1.30	-0.38	1.23e-04
82	42	650.00	-4.61	-0.01	-0.61	-1.30	-0.35	-7.53e-04
82	42	700.00	-6.34	-0.08	0.81	-1.54	0.0	-4.31e-03
82	67	340.00	14.25	-0.20	0.50	0.14	0.0	-9.16e-04
82	67	392.50	14.25	-0.20	0.50	0.03	0.26	-3.12e-04
82	67	445.00	11.68	-0.08	0.32	-0.26	0.35	-2.10e-04
82	67	497.50	10.70	0.62	0.03	-0.41	0.27	-8.35e-04
82	67	550.00	7.43	0.62	0.09	-0.09	0.22	-1.22e-03
82	67	600.00	4.19	0.62	0.10	0.22	0.18	-1.29e-03
82	67	650.00	0.61	0.63	0.01	0.54	0.14	-1.13e-03
82	67	700.00	-1.35	0.32	-0.29	0.49	0.0	2.35e-05
82	79	340.00	14.28	-0.28	-0.41	0.16	0.0	1.99e-03
82	79	392.50	14.28	-0.28	-0.41	0.01	-0.21	1.27e-03
82	79	445.00	11.17	-0.16	-0.55	-0.28	-0.28	4.50e-04
82	79	497.50	9.86	0.40	-0.15	-0.46	-0.13	-2.79e-04
82	79	550.00	6.41	0.41	-0.33	-0.25	-0.08	-2.02e-04
82	79	600.00	3.07	0.41	-0.38	-0.04	-0.10	-5.33e-04
82	79	650.00	-0.54	0.41	-0.30	0.16	-0.11	-8.82e-04
82	79	700.00	-2.43	0.24	0.26	0.08	0.0	-2.10e-03
82	81	340.00	7.11	-0.53	-0.47	-0.12	0.0	2.20e-03
82	81	392.50	7.11	-0.53	-0.47	-0.40	-0.24	1.51e-03
82	81	445.00	5.21	-0.44	-0.55	-0.78	-0.32	6.24e-04
82	81	497.50	4.86	0.10	-0.14	-1.14	-0.17	-1.49e-04
82	81	550.00	1.98	0.10	-0.31	-1.09	-0.11	-1.09e-04
82	81	600.00	-0.79	0.10	-0.36	-1.04	-0.12	-4.70e-04
82	81	650.00	-3.76	0.10	-0.28	-0.99	-0.12	-8.48e-04
82	81	700.00	-5.14	-0.06	0.28	-1.15	0.0	-2.12e-03
82	86	340.00	7.13	-0.46	-0.88	-0.07	0.0	3.40e-03
82	86	392.50	7.13	-0.46	-0.88	-0.31	-0.46	2.06e-03
82	86	445.00	5.21	-0.39	-0.94	-0.64	-0.60	8.50e-04
82	86	497.50	4.91	0.01	-0.22	-0.96	-0.35	1.45e-04
82	86	550.00	2.12	0.01	-0.50	-0.95	-0.24	4.37e-04
82	86	600.00	-0.52	0.01	-0.57	-0.94	-0.24	-1.68e-05
82	86	650.00	-3.31	0.01	-0.41	-0.94	-0.23	-6.12e-04
82	86	700.00	-4.59	-0.05	0.53	-1.12	0.0	-2.95e-03
82	98	340.00	12.14	-0.26	0.17	0.08	0.0	1.39e-04
82	98	392.50	12.14	-0.26	0.17	-0.06	0.09	3.27e-04
82	98	445.00	9.80	-0.16	0.02	-0.34	0.13	7.70e-05
82	98	497.50	9.06	0.45	-0.03	-0.54	0.12	-5.79e-04
82	98	550.00	5.95	0.46	-0.04	-0.30	0.10	-8.37e-04
82	98	600.00	2.92	0.46	-0.05	-0.07	0.08	-1.01e-03
82	98	650.00	-0.41	0.46	-0.08	0.16	0.05	-1.06e-03
82	98	700.00	-2.15	0.21	-0.10	0.07	0.0	-7.22e-04
82	99	340.00	7.13	-0.34	0.12	-0.08	0.0	2.34e-04
82	99	392.50	7.13	-0.34	0.12	-0.26	0.06	4.05e-04
82	99	445.00	5.82	-0.27	0.02	-0.55	0.09	1.57e-04
82	99	497.50	5.92	0.24	-0.01	-0.82	0.09	-4.40e-04
82	99	550.00	3.37	0.25	-0.03	-0.70	0.08	-6.97e-04
82	99	600.00	0.88	0.25	-0.04	-0.57	0.06	-8.86e-04
82	99	650.00	-1.81	0.25	-0.06	-0.45	0.04	-9.56e-04

82	99	700.00	-3.13	0.03	-0.08	-0.59	0.0	-6.69e-04
82	105	340.00	11.42	-0.28	-0.04	0.07	0.0	7.77e-04
82	105	392.50	11.42	-0.28	-0.04	-0.08	-0.02	6.51e-04
82	105	445.00	9.14	-0.18	-0.17	-0.37	-0.02	2.20e-04
82	105	497.50	8.47	0.38	-0.07	-0.57	0.03	-4.34e-04
82	105	550.00	5.43	0.38	-0.13	-0.37	0.04	-5.77e-04
82	105	600.00	2.46	0.38	-0.16	-0.18	0.02	-8.07e-04
82	105	650.00	-0.76	0.38	-0.15	9.02e-03	-5.79e-03	-9.61e-04
82	105	700.00	-2.42	0.18	0.03	-0.09	0.0	-1.16e-03
82	106	340.00	7.13	-0.30	0.12	-0.06	0.0	2.13e-04
82	106	392.50	7.13	-0.30	0.12	-0.22	0.06	3.67e-04
82	106	445.00	5.89	-0.24	0.02	-0.50	0.09	1.41e-04
82	106	497.50	6.06	0.24	-0.01	-0.75	0.09	-4.20e-04
82	106	550.00	3.57	0.25	-0.03	-0.62	0.08	-6.68e-04
82	106	600.00	1.15	0.25	-0.04	-0.49	0.06	-8.52e-04
82	106	650.00	-1.48	0.25	-0.06	-0.37	0.04	-9.25e-04
82	106	700.00	-2.77	0.05	-0.07	-0.51	0.0	-6.41e-04
82	107	340.00	11.42	-0.27	0.16	0.06	0.0	1.50e-04
82	107	392.50	11.42	-0.27	0.16	-0.08	0.09	3.32e-04
82	107	445.00	9.24	-0.17	0.02	-0.37	0.12	8.62e-05
82	107	497.50	8.63	0.42	-0.02	-0.57	0.12	-5.56e-04
82	107	550.00	5.61	0.43	-0.04	-0.34	0.10	-8.12e-04
82	107	600.00	2.66	0.43	-0.05	-0.13	0.08	-9.91e-04
82	107	650.00	-0.56	0.43	-0.08	0.08	0.05	-1.04e-03
82	107	700.00	-2.24	0.19	-0.09	-9.29e-03	0.0	-7.10e-04
82	109	340.00	13.24	-12.93	0.11	-14.23	-0.01	0.07
82	109	392.50	13.24	-12.93	0.11	-14.37	0.07	0.06
82	109	445.00	12.94	-4.21	-8.34e-03	-31.00	0.08	0.05
82	109	497.50	14.17	48.98	-3.91e-03	-58.73	0.08	-2.19e-03
82	109	550.00	8.55	48.63	1.46e-03	-33.54	0.07	-0.05
82	109	600.00	5.66	48.36	-0.06	-8.61	0.06	-0.07
82	109	650.00	3.71	48.11	-0.06	15.14	-4.92e-03	-0.08
82	109	700.00	0.07	15.01	-0.06	32.71	-9.79e-03	-0.06
82	120	340.00	14.05	-11.22	0.32	-13.59	0.04	0.06
82	120	392.50	14.05	-11.22	0.32	-13.73	0.13	0.06
82	120	445.00	14.35	-3.21	0.13	-28.96	0.24	0.04
82	120	497.50	16.41	46.95	-0.03	-55.71	0.26	-8.28e-03
82	120	550.00	16.08	46.45	-0.02	-31.17	0.24	-0.06
82	120	600.00	11.42	46.03	-0.03	-7.40	0.22	-0.08
82	120	650.00	9.31	45.63	-0.15	16.27	0.16	-0.08
82	120	700.00	14.69	14.68	-0.34	32.20	0.06	-0.06
82	136	340.00	14.78	-4.32	0.58	-8.89	0.11	5.02e-03
82	136	392.50	14.78	-4.32	0.58	-9.03	0.19	4.92e-03
82	136	445.00	13.41	-0.75	0.27	-16.94	0.41	3.20e-03
82	136	497.50	16.30	27.82	-0.07	-32.64	0.47	-0.01
82	136	550.00	16.83	27.52	-0.02	-18.26	0.42	-0.02
82	136	600.00	16.10	27.29	-0.04	-4.23	0.40	-0.03
82	136	650.00	15.07	27.08	-0.24	10.80	0.34	-0.03
82	136	700.00	17.06	8.80	-0.65	20.65	0.14	-0.02
82	139	340.00	8.06	3.79	-0.25	9.01	-0.11	-4.72e-03
82	139	392.50	8.06	3.79	-0.25	8.87	-0.02	-4.26e-03
82	139	445.00	5.08	0.41	-0.22	16.21	-0.17	-3.03e-03
82	139	497.50	0.96	-26.97	0.02	31.50	-0.23	0.01
82	139	550.00	-5.60	-26.67	-0.06	17.57	-0.22	0.02
82	139	600.00	-10.77	-26.43	-0.07	3.97	-0.25	0.03
82	139	650.00	-16.19	-26.22	0.09	-10.64	-0.25	0.03
82	139	700.00	-21.53	-8.42	0.46	-20.67	-0.14	0.02
82	141	340.00	13.48	-14.54	0.10	-16.05	-0.01	0.07
82	141	392.50	13.48	-14.54	0.10	-16.19	0.07	0.07
82	141	445.00	13.41	-4.73	-0.01	-34.90	0.08	0.05
82	141	497.50	14.88	55.17	-1.60e-03	-66.13	0.07	-2.43e-03
82	141	550.00	8.94	54.76	6.80e-03	-37.77	0.07	-0.06
82	141	600.00	6.06	54.46	-0.06	-9.69	0.05	-0.08
82	141	650.00	4.27	54.18	-0.06	17.05	-0.01	-0.09
82	141	700.00	0.39	16.89	-0.05	36.88	-0.01	-0.07
82	152	340.00	14.40	-12.67	0.35	-15.40	0.05	0.07
82	152	392.50	14.40	-12.67	0.35	-15.54	0.13	0.06
82	152	445.00	15.03	-3.61	0.14	-32.75	0.25	0.05
82	152	497.50	17.43	53.11	-0.03	-63.01	0.28	-9.38e-03
82	152	550.00	17.44	52.54	-0.01	-35.24	0.26	-0.06
82	152	600.00	12.58	52.07	-0.03	-8.36	0.24	-0.08
82	152	650.00	10.61	51.62	-0.16	18.40	0.17	-0.10
82	152	700.00	16.88	16.59	-0.37	36.47	0.07	-0.07
82	168	340.00	15.22	-4.86	0.63	-10.06	0.12	5.83e-03
82	168	392.50	15.22	-4.86	0.63	-10.20	0.21	5.67e-03

82	168	445.00	13.95	-0.83	0.30	-19.13	0.45	3.70e-03
82	168	497.50	17.29	31.42	-0.08	-36.86	0.51	-0.02
82	168	550.00	18.26	31.09	-0.02	-20.62	0.47	-0.03
82	168	600.00	17.81	30.82	-0.03	-4.77	0.44	-0.03
82	168	650.00	17.05	30.60	-0.26	12.20	0.38	-0.04
82	168	700.00	19.51	9.94	-0.72	23.36	0.15	-0.02
82	171	340.00	7.62	4.33	-0.31	10.18	-0.12	-5.53e-03
82	171	392.50	7.62	4.33	-0.31	10.04	-0.04	-5.01e-03
82	171	445.00	4.53	0.49	-0.25	18.39	-0.21	-3.52e-03
82	171	497.50	-0.03	-30.58	0.03	35.72	-0.28	0.01
82	171	550.00	-7.03	-30.24	-0.07	19.93	-0.27	0.03
82	171	600.00	-12.49	-29.97	-0.07	4.51	-0.29	0.03
82	171	650.00	-18.17	-29.73	0.11	-12.03	-0.29	0.03
82	171	700.00	-23.98	-9.56	0.53	-23.38	-0.15	0.02
82	176	340.00	14.49	-13.60	0.36	-16.18	0.05	0.07
82	176	392.50	14.49	-13.60	0.36	-16.32	0.14	0.07
82	176	445.00	15.18	-4.04	0.15	-34.47	0.26	0.05
82	176	497.50	17.67	55.54	-0.03	-66.35	0.29	-4.44e-03
82	176	550.00	14.37	55.12	-0.02	-37.07	0.26	-0.06
82	176	600.00	12.99	54.82	-0.03	-9.00	0.25	-0.08
82	176	650.00	11.06	54.54	-0.16	19.10	0.17	-0.09
82	176	700.00	9.71	17.57	-0.38	38.80	0.07	-0.07
82	184	340.00	14.51	-13.13	0.35	-15.95	0.05	0.07
82	184	392.50	14.51	-13.13	0.35	-16.09	0.13	0.07
82	184	445.00	15.26	-3.73	0.14	-33.97	0.25	0.05
82	184	497.50	17.73	55.10	-0.03	-65.32	0.28	-0.01
82	184	550.00	17.68	54.51	-0.01	-36.53	0.26	-0.07
82	184	600.00	12.98	54.01	-0.03	-8.63	0.24	-0.09
82	184	650.00	10.99	53.54	-0.16	19.02	0.18	-0.10
82	184	700.00	17.17	17.20	-0.37	37.88	0.07	-0.07
82	200	340.00	15.31	-5.05	0.63	-10.34	0.12	7.13e-03
82	200	392.50	15.31	-5.05	0.63	-10.48	0.21	6.85e-03
82	200	445.00	14.07	-0.89	0.30	-19.73	0.45	4.30e-03
82	200	497.50	17.43	32.39	-0.07	-37.98	0.52	-0.02
82	200	550.00	18.33	32.05	-0.02	-21.23	0.47	-0.03
82	200	600.00	17.88	31.78	-0.04	-4.89	0.44	-0.04
82	200	650.00	17.06	31.54	-0.26	12.48	0.38	-0.04
82	200	700.00	19.52	10.24	-0.71	24.01	0.15	-0.02
82	203	340.00	7.54	4.51	-0.31	10.46	-0.12	-6.83e-03
82	203	392.50	7.54	4.51	-0.31	10.32	-0.04	-6.18e-03
82	203	445.00	4.41	0.56	-0.25	18.99	-0.21	-4.13e-03
82	203	497.50	-0.17	-31.55	0.02	36.84	-0.28	0.01
82	203	550.00	-7.10	-31.20	-0.06	20.54	-0.27	0.03
82	203	600.00	-12.56	-30.92	-0.07	4.62	-0.28	0.03
82	203	650.00	-18.18	-30.68	0.11	-12.32	-0.28	0.04
82	203	700.00	-23.99	-9.87	0.52	-24.03	-0.15	0.02
82	216	340.00	15.15	-15.84	0.38	-19.29	0.06	0.09
82	216	392.50	15.15	-15.84	0.38	-19.43	0.14	0.08
82	216	445.00	16.51	-4.48	0.17	-41.01	0.28	0.06
82	216	497.50	19.59	66.54	-0.03	-78.86	0.31	-0.01
82	216	550.00	20.07	65.83	-8.79e-03	-44.10	0.29	-0.08
82	216	600.00	15.07	65.23	-0.03	-10.40	0.27	-0.11
82	216	650.00	13.29	64.65	-0.18	22.95	0.20	-0.12
82	216	700.00	20.95	20.76	-0.42	45.80	0.08	-0.09
82	232	340.00	16.05	-6.06	0.71	-12.40	0.14	9.66e-03
82	232	392.50	16.05	-6.06	0.71	-12.54	0.23	9.18e-03
82	232	445.00	15.03	-1.07	0.35	-23.64	0.51	5.78e-03
82	232	497.50	19.08	38.84	-0.08	-45.52	0.59	-0.02
82	232	550.00	20.62	38.43	-0.01	-25.44	0.53	-0.03
82	232	600.00	20.57	38.10	-0.03	-5.84	0.50	-0.04
82	232	650.00	20.14	37.82	-0.30	14.91	0.43	-0.05
82	232	700.00	23.36	12.28	-0.81	28.78	0.18	-0.03
82	235	340.00	6.79	5.52	-0.39	12.52	-0.14	-9.36e-03
82	235	392.50	6.79	5.52	-0.39	12.38	-0.06	-8.52e-03
82	235	445.00	3.46	0.74	-0.30	22.91	-0.27	-5.61e-03
82	235	497.50	-1.82	-38.00	0.03	44.39	-0.35	0.02
82	235	550.00	-9.39	-37.58	-0.07	24.75	-0.33	0.03
82	235	600.00	-15.24	-37.25	-0.07	5.58	-0.35	0.04
82	235	650.00	-21.26	-36.95	0.14	-14.74	-0.34	0.04
82	235	700.00	-27.83	-11.90	0.63	-28.80	-0.18	0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-27.83	-38.00	-1.41	-78.86	-0.92	-0.12
	23.36	66.54	0.81	45.80	0.59	0.09

Macro	Tipo	Angolo 1-Z (gradi)
83	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
83	9	340.00	-0.32	0.02	1.05	0.03	0.0	-9.57e-04
83	9	392.50	-0.32	0.02	1.05	0.04	0.55	-1.16e-03
83	9	445.00	-0.74	0.05	1.14	0.09	1.15	-8.39e-04
83	9	497.50	-1.51	-0.22	0.31	0.06	1.32	-1.28e-04
83	9	550.00	-1.18	-0.22	-0.08	-0.05	1.27	2.62e-05
83	9	600.00	-0.86	-0.22	-0.47	-0.16	1.04	8.87e-05
83	9	650.00	-0.55	-0.22	-0.85	-0.27	0.61	1.15e-04
83	9	700.00	0.02	0.07	-1.23	-0.23	0.0	1.05e-04
83	27	340.00	-0.24	-0.10	-2.11	0.14	0.0	1.53e-03
83	27	392.50	-0.24	-0.10	-2.11	0.09	-1.11	1.76e-03
83	27	445.00	-0.55	0.06	-2.27	0.26	-2.30	1.05e-03
83	27	497.50	-1.26	-0.51	-0.63	0.28	-2.63	-7.01e-04
83	27	550.00	-0.93	-0.51	0.16	0.01	-2.54	-1.08e-03
83	27	600.00	-0.61	-0.51	0.94	-0.24	-2.07	-1.24e-03
83	27	650.00	-0.30	-0.51	1.69	-0.50	-1.23	-1.29e-03
83	27	700.00	0.22	0.13	2.45	-0.43	0.0	-1.11e-03
83	43	340.00	-0.22	-0.05	-3.51	0.13	0.0	2.69e-03
83	43	392.50	-0.22	-0.05	-3.51	0.10	-1.84	3.14e-03
83	43	445.00	-0.52	0.08	-3.78	0.25	-3.83	1.96e-03
83	43	497.50	-1.24	-0.50	-1.05	0.27	-4.38	-8.85e-04
83	43	550.00	-0.91	-0.50	0.27	0.01	-4.24	-1.51e-03
83	43	600.00	-0.59	-0.50	1.56	-0.24	-3.45	-1.76e-03
83	43	650.00	-0.28	-0.50	2.82	-0.49	-2.04	-1.85e-03
83	43	700.00	0.23	0.13	4.08	-0.42	0.0	-1.60e-03
83	45	340.00	-0.16	0.04	-3.51	0.05	0.0	2.79e-03
83	45	392.50	-0.16	0.04	-3.51	0.07	-1.84	3.27e-03
83	45	445.00	-0.40	0.09	-3.78	0.15	-3.83	2.09e-03
83	45	497.50	-0.97	-0.28	-1.05	0.14	-4.38	-7.27e-04
83	45	550.00	-0.72	-0.28	0.27	-0.01	-4.24	-1.34e-03
83	45	600.00	-0.47	-0.28	1.56	-0.15	-3.45	-1.59e-03
83	45	650.00	-0.23	-0.28	2.82	-0.29	-2.04	-1.68e-03
83	45	700.00	0.17	0.08	4.08	-0.26	0.0	-1.46e-03
83	69	340.00	-0.24	0.02	0.70	0.02	0.0	-6.42e-04
83	69	392.50	-0.24	0.02	0.70	0.03	0.37	-7.79e-04
83	69	445.00	-0.56	0.04	0.76	0.06	0.77	-5.69e-04
83	69	497.50	-1.15	-0.16	0.21	0.05	0.88	-1.04e-04
83	69	550.00	-0.90	-0.16	-0.06	-0.04	0.85	-3.33e-06
83	69	600.00	-0.65	-0.16	-0.31	-0.12	0.69	3.75e-05
83	69	650.00	-0.41	-0.16	-0.57	-0.20	0.41	5.46e-05
83	69	700.00	0.03	0.05	-0.82	-0.17	0.0	5.14e-05
83	79	340.00	-0.19	-0.06	-1.40	0.09	0.0	1.01e-03
83	79	392.50	-0.19	-0.06	-1.40	0.06	-0.74	1.17e-03
83	79	445.00	-0.44	0.05	-1.51	0.18	-1.53	6.88e-04
83	79	497.50	-0.98	-0.36	-0.42	0.19	-1.75	-4.86e-04
83	79	550.00	-0.73	-0.36	0.11	3.57e-03	-1.69	-7.42e-04
83	79	600.00	-0.49	-0.36	0.63	-0.18	-1.38	-8.48e-04
83	79	650.00	-0.25	-0.36	1.13	-0.36	-0.82	-8.84e-04
83	79	700.00	0.16	0.09	1.63	-0.31	0.0	-7.61e-04
83	85	340.00	-0.18	0.03	-2.34	0.05	0.0	1.83e-03
83	85	392.50	-0.18	0.03	-2.34	0.06	-1.23	2.14e-03
83	85	445.00	-0.44	0.08	-2.52	0.13	-2.55	1.35e-03
83	85	497.50	-1.00	-0.26	-0.70	0.12	-2.92	-5.50e-04
83	85	550.00	-0.75	-0.26	0.18	-0.02	-2.82	-9.65e-04
83	85	600.00	-0.51	-0.26	1.04	-0.15	-2.30	-1.13e-03
83	85	650.00	-0.27	-0.26	1.88	-0.28	-1.36	-1.20e-03
83	85	700.00	0.14	0.07	2.72	-0.24	0.0	-1.03e-03
83	87	340.00	-0.17	-0.03	-2.34	0.08	0.0	1.79e-03
83	87	392.50	-0.17	-0.03	-2.34	0.07	-1.23	2.09e-03
83	87	445.00	-0.42	0.06	-2.52	0.18	-2.55	1.30e-03
83	87	497.50	-0.97	-0.35	-0.70	0.19	-2.92	-6.09e-04
83	87	550.00	-0.72	-0.35	0.18	2.11e-03	-2.82	-1.02e-03
83	87	600.00	-0.47	-0.35	1.04	-0.17	-2.30	-1.19e-03
83	87	650.00	-0.23	-0.35	1.88	-0.35	-1.36	-1.25e-03
83	87	700.00	0.17	0.09	2.72	-0.30	0.0	-1.08e-03
83	99	340.00	-0.22	0.02	5.53e-04	0.03	0.0	-6.44e-05
83	99	392.50	-0.22	0.02	5.53e-04	0.04	2.90e-04	-9.46e-05
83	99	445.00	-0.51	0.05	8.01e-04	0.08	7.11e-04	-1.13e-04
83	99	497.50	-1.09	-0.19	-2.79e-04	0.07	5.64e-04	-1.85e-04

83	99	550.00	-0.84	-0.19	-2.79e-04	-0.03	4.18e-04	-2.01e-04
83	99	600.00	-0.59	-0.19	-2.79e-04	-0.12	2.79e-04	-2.08e-04
83	99	650.00	-0.35	-0.19	-2.79e-04	-0.22	1.39e-04	-2.09e-04
83	99	700.00	0.08	0.06	-2.79e-04	-0.19	0.0	-1.77e-04
83	105	340.00	-0.20	-0.02	-0.47	0.06	0.0	2.81e-04
83	105	392.50	-0.20	-0.02	-0.47	0.05	-0.25	3.07e-04
83	105	445.00	-0.48	0.04	-0.50	0.13	-0.51	1.36e-04
83	105	497.50	-1.03	-0.28	-0.14	0.13	-0.58	-3.04e-04
83	105	550.00	-0.78	-0.28	0.04	-0.01	-0.56	-4.01e-04
83	105	600.00	-0.54	-0.28	0.21	-0.15	-0.46	-4.41e-04
83	105	650.00	-0.30	-0.28	0.38	-0.29	-0.27	-4.53e-04
83	105	700.00	0.12	0.08	0.54	-0.25	0.0	-3.88e-04
83	106	340.00	-0.21	0.03	5.28e-04	0.03	0.0	-6.05e-05
83	106	392.50	-0.21	0.03	5.28e-04	0.04	2.77e-04	-8.95e-05
83	106	445.00	-0.51	0.05	7.65e-04	0.08	6.79e-04	-1.09e-04
83	106	497.50	-1.08	-0.19	-2.66e-04	0.07	5.39e-04	-1.80e-04
83	106	550.00	-0.83	-0.19	-2.66e-04	-0.03	3.99e-04	-1.96e-04
83	106	600.00	-0.58	-0.19	-2.66e-04	-0.12	2.66e-04	-2.03e-04
83	106	650.00	-0.34	-0.19	-2.66e-04	-0.22	1.33e-04	-2.04e-04
83	106	700.00	0.08	0.06	-2.66e-04	-0.19	0.0	-1.73e-04
83	107	340.00	-0.21	-0.03	8.60e-04	0.06	0.0	-9.81e-05
83	107	392.50	-0.21	-0.03	8.60e-04	0.05	4.51e-04	-1.39e-04
83	107	445.00	-0.49	0.04	1.25e-03	0.12	1.11e-03	-1.56e-04
83	107	497.50	-1.05	-0.26	-4.35e-04	0.12	8.80e-04	-2.30e-04
83	107	550.00	-0.80	-0.26	-4.35e-04	-0.02	6.52e-04	-2.47e-04
83	107	600.00	-0.55	-0.26	-4.35e-04	-0.15	4.35e-04	-2.54e-04
83	107	650.00	-0.31	-0.26	-4.35e-04	-0.28	2.17e-04	-2.55e-04
83	107	700.00	0.11	0.07	-4.35e-04	-0.24	0.0	-2.16e-04
83	109	340.00	-1.96	1.55	0.07	-2.36	8.72e-03	-0.02
83	109	392.50	-1.96	1.55	0.07	-2.37	9.17e-03	-0.02
83	109	445.00	-3.74	-0.94	0.07	-5.08	0.03	-0.02
83	109	497.50	-7.00	13.61	-0.03	-13.12	0.03	4.54e-03
83	109	550.00	-6.75	13.54	-0.01	-6.10	0.02	2.57e-03
83	109	600.00	-6.30	13.46	-9.72e-03	0.75	0.01	2.46e-03
83	109	650.00	-6.24	13.37	-0.01	7.32	8.52e-03	2.62e-03
83	109	700.00	-5.36	-0.82	-0.01	10.50	2.91e-03	2.62e-03
83	110	340.00	1.54	-1.60	-0.07	2.48	-8.72e-03	0.02
83	110	392.50	1.54	-1.60	-0.07	2.47	-8.27e-03	0.02
83	110	445.00	2.76	1.01	-0.07	5.33	-0.03	0.01
83	110	497.50	4.91	-14.14	0.03	13.36	-0.03	-5.01e-03
83	110	550.00	5.16	-14.07	0.01	6.07	-0.02	-3.06e-03
83	110	600.00	5.20	-13.99	8.85e-03	-1.05	-0.01	-2.97e-03
83	110	650.00	5.62	-13.90	0.01	-7.88	-8.09e-03	-3.13e-03
83	110	700.00	5.57	0.97	0.01	-10.98	-2.91e-03	-3.05e-03
83	115	340.00	1.54	-2.02	-0.26	2.48	-0.06	0.02
83	115	392.50	1.54	-2.02	-0.26	2.47	-0.06	0.02
83	115	445.00	2.75	0.97	-0.29	5.33	-0.18	0.01
83	115	497.50	4.90	-14.14	0.02	13.35	-0.24	-4.56e-03
83	115	550.00	5.15	-14.07	0.05	6.07	-0.23	-2.39e-03
83	115	600.00	5.45	-13.99	0.09	-1.01	-0.19	-2.22e-03
83	115	650.00	5.62	-13.90	0.14	-7.89	-0.13	-2.41e-03
83	115	700.00	5.57	0.98	0.19	-10.99	-0.05	-2.36e-03
83	120	340.00	-1.87	1.94	0.25	-2.25	0.05	-0.02
83	120	392.50	-1.87	1.94	0.25	-2.26	0.05	-0.02
83	120	445.00	-3.58	-0.82	0.28	-4.84	0.17	-0.02
83	120	497.50	-6.72	13.01	-0.02	-12.49	0.24	-5.68e-03
83	120	550.00	-6.47	12.91	-0.05	-5.80	0.22	1.55e-03
83	120	600.00	-6.29	12.81	-0.09	0.69	0.18	9.33e-04
83	120	650.00	-5.96	12.70	-0.13	6.98	0.13	9.45e-04
83	120	700.00	-5.11	-0.79	-0.18	10.00	0.05	9.83e-04
83	141	340.00	-2.18	1.75	0.08	-2.67	9.86e-03	-0.02
83	141	392.50	-2.18	1.75	0.08	-2.68	0.01	-0.02
83	141	445.00	-4.15	-1.06	0.08	-5.75	0.03	-0.02
83	141	497.50	-7.76	15.38	-0.03	-14.80	0.04	5.14e-03
83	141	550.00	-7.50	15.29	-0.02	-6.88	0.02	2.91e-03
83	141	600.00	-7.04	15.20	-0.01	0.87	0.02	2.80e-03
83	141	650.00	-7.00	15.11	-0.01	8.29	9.68e-03	2.98e-03
83	141	700.00	-6.05	-0.94	-0.02	11.86	3.32e-03	2.97e-03
83	142	340.00	1.76	-1.80	-0.08	2.79	-9.86e-03	0.02
83	142	392.50	1.76	-1.80	-0.08	2.78	-9.41e-03	0.02
83	142	445.00	3.17	1.14	-0.08	5.99	-0.03	0.02
83	142	497.50	5.66	-15.91	0.03	15.05	-0.03	-5.60e-03
83	142	550.00	5.91	-15.82	0.02	6.85	-0.02	-3.41e-03
83	142	600.00	5.94	-15.73	0.01	-1.16	-0.01	-3.31e-03
83	142	650.00	6.38	-15.64	0.01	-8.85	-9.24e-03	-3.49e-03

83	142	700.00	6.26	1.09	0.01	-12.35	-3.32e-03	-3.40e-03
83	147	340.00	1.76	-2.28	-0.29	2.79	-0.06	0.02
83	147	392.50	1.76	-2.28	-0.29	2.77	-0.06	0.02
83	147	445.00	3.16	1.09	-0.32	5.99	-0.20	0.02
83	147	497.50	5.66	-15.91	0.03	15.04	-0.27	-5.10e-03
83	147	550.00	5.91	-15.82	0.06	6.84	-0.25	-2.65e-03
83	147	600.00	6.22	-15.73	0.10	-1.12	-0.21	-2.46e-03
83	147	650.00	6.37	-15.64	0.16	-8.86	-0.15	-2.67e-03
83	147	700.00	6.27	1.09	0.21	-12.36	-0.05	-2.63e-03
83	152	340.00	-2.10	2.20	0.28	-2.55	0.06	-0.02
83	152	392.50	-2.10	2.20	0.28	-2.57	0.06	-0.02
83	152	445.00	-3.99	-0.94	0.31	-5.50	0.20	-0.02
83	152	497.50	-7.47	14.77	-0.02	-14.16	0.27	-6.36e-03
83	152	550.00	-7.22	14.66	-0.06	-6.57	0.25	1.76e-03
83	152	600.00	-7.05	14.54	-0.10	0.80	0.20	1.06e-03
83	152	650.00	-6.71	14.41	-0.15	7.94	0.14	1.08e-03
83	152	700.00	-5.80	-0.90	-0.21	11.35	0.05	1.12e-03
83	173	340.00	-2.19	1.76	0.08	-2.68	9.68e-03	-0.02
83	173	392.50	-2.19	1.76	0.08	-2.70	0.01	-0.02
83	173	445.00	-4.17	-1.07	0.08	-5.79	0.03	-0.02
83	173	497.50	-7.80	15.48	-0.03	-14.90	0.04	4.89e-03
83	173	550.00	-7.54	15.40	-0.02	-6.92	0.02	2.67e-03
83	173	600.00	-7.12	15.31	-0.01	0.87	0.02	2.61e-03
83	173	650.00	-7.03	15.21	-0.01	8.35	9.37e-03	2.84e-03
83	173	700.00	-6.09	-0.95	-0.02	11.95	3.21e-03	2.85e-03
83	179	340.00	1.77	-2.30	-0.28	2.81	-0.06	0.02
83	179	392.50	1.77	-2.30	-0.28	2.79	-0.06	0.02
83	179	445.00	3.19	1.10	-0.32	6.03	-0.20	0.02
83	179	497.50	5.70	-16.02	0.03	15.14	-0.27	-4.85e-03
83	179	550.00	5.95	-15.93	0.06	6.89	-0.25	-2.43e-03
83	179	600.00	6.29	-15.84	0.10	-1.12	-0.21	-2.32e-03
83	179	650.00	6.42	-15.75	0.15	-8.92	-0.14	-2.57e-03
83	179	700.00	6.31	1.10	0.21	-12.45	-0.05	-2.55e-03
83	184	340.00	-2.16	2.29	0.27	-2.65	0.06	-0.02
83	184	392.50	-2.16	2.29	0.27	-2.66	0.06	-0.02
83	184	445.00	-4.12	-0.97	0.31	-5.71	0.19	-0.02
83	184	497.50	-7.71	15.34	-0.02	-14.70	0.26	-6.24e-03
83	184	550.00	-7.45	15.22	-0.06	-6.81	0.24	1.54e-03
83	184	600.00	-7.32	15.09	-0.10	0.83	0.20	8.63e-04
83	184	650.00	-6.95	14.96	-0.15	8.25	0.14	9.60e-04
83	184	700.00	-6.02	-0.94	-0.20	11.79	0.05	1.04e-03
83	213	340.00	-2.57	2.21	0.09	-3.22	8.76e-03	-0.03
83	213	392.50	-2.57	2.21	0.09	-3.23	9.22e-03	-0.03
83	213	445.00	-4.88	-1.24	0.08	-6.93	0.03	-0.02
83	213	497.50	-9.10	18.59	-0.04	-17.80	0.03	-6.76e-03
83	213	550.00	-8.84	18.44	-0.02	-8.23	0.02	2.64e-03
83	213	600.00	-8.42	18.29	-7.97e-03	1.08	9.67e-03	1.92e-03
83	213	650.00	-8.33	18.13	-7.48e-03	10.02	5.39e-03	2.05e-03
83	213	700.00	-7.29	-1.15	-9.12e-03	14.29	1.76e-03	2.11e-03
83	216	340.00	-2.57	2.78	0.32	-3.22	0.07	-0.03
83	216	392.50	-2.57	2.78	0.32	-3.23	0.07	-0.03
83	216	445.00	-4.88	-1.18	0.37	-6.93	0.23	-0.02
83	216	497.50	-9.10	18.60	-0.03	-17.80	0.31	-7.34e-03
83	216	550.00	-8.85	18.46	-0.07	-8.23	0.28	1.80e-03
83	216	600.00	-8.74	18.31	-0.11	1.03	0.23	9.96e-04
83	216	650.00	-8.34	18.15	-0.17	10.04	0.16	1.15e-03
83	216	700.00	-7.30	-1.15	-0.24	14.31	0.06	1.26e-03
83	219	340.00	2.16	-2.83	-0.32	3.34	-0.07	0.03
83	219	392.50	2.16	-2.83	-0.32	3.33	-0.07	0.03
83	219	445.00	3.90	1.26	-0.36	7.18	-0.22	0.02
83	219	497.50	7.01	-19.13	0.03	18.05	-0.30	6.88e-03
83	219	550.00	7.26	-18.99	0.06	8.20	-0.28	-2.29e-03
83	219	600.00	7.64	-18.84	0.11	-1.33	-0.23	-1.50e-03
83	219	650.00	7.72	-18.68	0.17	-10.60	-0.16	-1.66e-03
83	219	700.00	7.51	1.30	0.24	-14.80	-0.06	-1.70e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-9.10	-19.13	-3.78	-17.80	-4.38	-0.03
			7.72	18.60	4.08	18.05	1.32	0.03

Macro	Tipo	Angolo 1-Z (gradi)
84	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
84	28	340.00	8.96	-1.42	-0.53	-2.62	0.0	-0.09
84	28	392.50	8.96	-1.42	-0.53	-3.36	-0.28	-0.07
84	28	445.00	7.12	-1.76	-0.52	-0.68	-0.44	-0.05
84	28	497.50	6.73	-4.16	-0.02	0.50	-0.34	-1.12e-03
84	28	550.00	3.76	-4.37	-0.09	0.26	-0.25	0.02
84	28	600.00	0.84	-4.53	-0.10	8.78e-03	-0.19	0.04
84	28	650.00	-2.28	-4.77	-0.08	-0.23	-0.13	0.05
84	28	700.00	-3.49	-1.81	0.30	-0.20	0.0	0.07
84	42	340.00	4.61	-1.94	-0.94	-0.56	0.0	-0.14
84	42	392.50	4.61	-1.94	-0.94	-1.58	-0.49	-0.12
84	42	445.00	3.48	-2.03	-0.86	0.45	-0.77	-0.08
84	42	497.50	3.50	-3.99	-0.06	1.37	-0.61	-2.88e-03
84	42	550.00	1.06	-4.31	-0.16	0.89	-0.48	0.03
84	42	600.00	-1.35	-4.56	-0.16	0.35	-0.39	0.06
84	42	650.00	-3.87	-4.88	-0.06	-0.26	-0.28	0.09
84	42	700.00	-4.58	-1.86	0.60	-0.47	0.0	0.11
84	44	340.00	7.66	-1.58	-0.92	-2.01	0.0	-0.14
84	44	392.50	7.66	-1.58	-0.92	-2.83	-0.48	-0.12
84	44	445.00	5.93	-1.86	-0.86	-0.27	-0.75	-0.08
84	44	497.50	5.62	-4.15	-0.06	0.89	-0.60	-2.85e-03
84	44	550.00	2.72	-4.48	-0.16	0.58	-0.46	0.03
84	44	600.00	-0.14	-4.73	-0.17	0.21	-0.38	0.06
84	44	650.00	-3.17	-5.06	-0.07	-0.20	-0.26	0.09
84	44	700.00	-4.25	-1.90	0.58	-0.27	0.0	0.11
84	80	340.00	6.24	-1.16	-0.35	-1.71	0.0	-0.06
84	80	392.50	6.24	-1.16	-0.35	-2.32	-0.18	-0.05
84	80	445.00	4.99	-1.38	-0.35	-0.39	-0.29	-0.03
84	80	497.50	4.79	-3.14	-0.01	0.45	-0.23	-6.08e-04
84	80	550.00	2.64	-3.28	-0.05	0.23	-0.16	0.01
84	80	600.00	0.52	-3.39	-0.07	8.47e-03	-0.13	0.03
84	80	650.00	-1.73	-3.56	-0.06	-0.21	-0.09	0.04
84	80	700.00	-2.58	-1.36	0.20	-0.21	0.0	0.05
84	86	340.00	3.35	-1.51	-0.63	-0.33	0.0	-0.10
84	86	392.50	3.35	-1.51	-0.63	-1.13	-0.33	-0.08
84	86	445.00	2.57	-1.55	-0.58	0.37	-0.51	-0.06
84	86	497.50	2.64	-3.03	-0.04	1.03	-0.41	-1.78e-03
84	86	550.00	0.84	-3.25	-0.11	0.65	-0.32	0.02
84	86	600.00	-0.94	-3.41	-0.11	0.24	-0.26	0.04
84	86	650.00	-2.79	-3.64	-0.04	-0.23	-0.18	0.06
84	86	700.00	-3.31	-1.39	0.39	-0.39	0.0	0.07
84	88	340.00	5.38	-1.26	-0.61	-1.30	0.0	-0.10
84	88	392.50	5.38	-1.26	-0.61	-1.96	-0.32	-0.08
84	88	445.00	4.20	-1.44	-0.57	-0.11	-0.50	-0.06
84	88	497.50	4.05	-3.14	-0.04	0.71	-0.40	-1.76e-03
84	88	550.00	1.95	-3.36	-0.11	0.45	-0.31	0.02
84	88	600.00	-0.13	-3.53	-0.11	0.15	-0.25	0.04
84	88	650.00	-2.32	-3.76	-0.05	-0.19	-0.17	0.06
84	88	700.00	-3.08	-1.42	0.38	-0.25	0.0	0.07
84	98	340.00	5.33	-1.23	0.03	-1.27	0.0	-5.70e-03
84	98	392.50	5.33	-1.23	0.03	-1.92	0.01	-5.40e-03
84	98	445.00	4.48	-1.35	-3.55e-03	-0.28	0.01	-2.23e-03
84	98	497.50	4.51	-2.99	0.03	0.40	0.02	1.11e-03
84	98	550.00	2.68	-3.01	0.02	0.12	0.03	1.39e-03
84	98	600.00	0.89	-3.02	6.58e-03	-0.13	0.04	1.32e-03
84	98	650.00	-1.00	-3.10	-0.05	-0.34	0.04	1.22e-03
84	98	700.00	-1.71	-1.21	-0.07	-0.36	0.0	2.55e-03
84	104	340.00	3.30	-1.47	-0.11	-0.31	0.0	-0.02
84	104	392.50	3.30	-1.47	-0.11	-1.08	-0.06	-0.02
84	104	445.00	2.80	-1.46	-0.12	0.23	-0.10	-0.01
84	104	497.50	3.03	-2.90	0.01	0.78	-0.07	5.22e-04
84	104	550.00	1.46	-2.96	-2.99e-03	0.38	-0.05	5.62e-03
84	104	600.00	-0.07	-2.99	-0.01	0.01	-0.03	9.55e-03
84	104	650.00	-1.66	-3.10	-0.04	-0.36	-0.01	0.01
84	104	700.00	-2.13	-1.22	0.04	-0.48	0.0	0.02
84	105	340.00	5.05	-1.26	-0.10	-1.14	0.0	-0.02
84	105	392.50	5.05	-1.26	-0.10	-1.80	-0.05	-0.02
84	105	445.00	4.20	-1.37	-0.12	-0.18	-0.09	-0.01
84	105	497.50	4.24	-2.99	0.01	0.51	-0.07	5.39e-04
84	105	550.00	2.41	-3.05	-2.45e-03	0.21	-0.04	5.59e-03
84	105	600.00	0.62	-3.09	-0.02	-0.07	-0.02	9.56e-03
84	105	650.00	-1.27	-3.20	-0.05	-0.32	-7.79e-03	0.01

84	105	700.00	-1.94	-1.24	0.03	-0.37	0.0	0.02
84	106	340.00	3.30	-1.48	0.01	-0.31	0.0	-4.49e-03
84	106	392.50	3.30	-1.48	0.01	-1.08	7.35e-03	-4.38e-03
84	106	445.00	2.84	-1.45	-5.26e-03	0.20	3.51e-03	-1.93e-03
84	106	497.50	3.10	-2.88	0.02	0.72	0.01	1.09e-03
84	106	550.00	1.57	-2.90	0.02	0.32	0.02	1.43e-03
84	106	600.00	0.08	-2.90	9.69e-03	-0.04	0.03	1.31e-03
84	106	650.00	-1.47	-2.98	-0.04	-0.38	0.03	9.57e-04
84	106	700.00	-1.93	-1.18	-0.05	-0.49	0.0	2.00e-03
84	107	340.00	5.04	-1.27	0.02	-1.13	0.0	-5.52e-03
84	107	392.50	5.04	-1.27	0.02	-1.80	0.01	-5.25e-03
84	107	445.00	4.25	-1.36	-3.79e-03	-0.21	0.01	-2.19e-03
84	107	497.50	4.31	-2.97	0.03	0.45	0.02	1.11e-03
84	107	550.00	2.52	-2.99	0.02	0.15	0.03	1.39e-03
84	107	600.00	0.78	-3.00	7.03e-03	-0.12	0.04	1.32e-03
84	107	650.00	-1.07	-3.08	-0.05	-0.34	0.03	1.18e-03
84	107	700.00	-1.74	-1.21	-0.06	-0.38	0.0	2.47e-03
84	110	340.00	5.91	4.18	-0.38	3.82	-0.11	-0.06
84	110	392.50	5.91	4.18	-0.38	3.15	-0.09	-0.06
84	110	445.00	8.23	-1.99e-03	-0.41	9.75	-0.31	-0.04
84	110	497.50	20.31	-25.23	0.19	15.27	-0.37	1.14e-03
84	110	550.00	9.62	-25.14	0.37	7.70	-0.22	0.03
84	110	600.00	3.43	-25.05	0.32	-1.03	-0.05	0.04
84	110	650.00	-8.35	-25.04	0.10	-7.37	0.13	0.05
84	110	700.00	-15.09	-7.06	-0.27	-11.33	0.05	0.03
84	111	340.00	4.09	3.17	-0.49	2.91	-0.13	-0.08
84	111	392.50	4.09	3.17	-0.49	2.25	-0.12	-0.07
84	111	445.00	5.49	-0.49	-0.53	7.92	-0.40	-0.05
84	111	497.50	9.62	-21.09	0.19	13.77	-0.49	2.04e-05
84	111	550.00	2.69	-21.03	0.36	7.36	-0.31	0.04
84	111	600.00	-0.03	-20.98	0.31	0.06	-0.12	0.05
84	111	650.00	-10.12	-21.00	0.14	-5.35	0.08	0.06
84	111	700.00	-15.72	-6.66	-0.18	-8.41	0.03	0.03
84	126	340.00	8.06	1.90	0.07	1.72	0.01	5.02e-03
84	126	392.50	8.06	1.90	0.07	1.06	0.02	4.39e-03
84	126	445.00	9.59	-0.21	0.06	5.54	0.05	4.84e-03
84	126	497.50	25.33	-15.93	0.07	7.17	0.07	2.83e-03
84	126	550.00	15.16	-15.87	0.15	2.94	0.09	-1.04e-03
84	126	600.00	6.82	-15.80	0.12	-2.04	0.12	-2.40e-03
84	126	650.00	-0.57	-15.80	-0.07	-5.51	0.14	-2.69e-03
84	126	700.00	-4.80	-3.56	-0.26	-8.09	0.05	-1.86e-03
84	139	340.00	7.40	-2.08	-0.29	0.24	-0.08	-0.05
84	139	392.50	7.40	-2.08	-0.29	-0.42	-0.07	-0.04
84	139	445.00	4.79	-1.86	-0.35	5.36	-0.24	-0.03
84	139	497.50	9.67	-15.55	0.07	9.38	-0.30	0.01
84	139	550.00	0.76	-15.44	0.22	5.78	-0.22	0.03
84	139	600.00	-7.17	-15.34	0.18	2.62	-0.16	0.04
84	139	650.00	-18.61	-15.31	0.08	-0.18	-0.10	0.04
84	139	700.00	-24.78	-4.68	0.16	-1.22	-0.06	0.03
84	142	340.00	6.02	4.88	-0.43	4.45	-0.12	-0.07
84	142	392.50	6.02	4.88	-0.43	3.78	-0.11	-0.06
84	142	445.00	8.73	0.17	-0.46	11.01	-0.35	-0.04
84	142	497.50	22.35	-28.07	0.21	17.15	-0.42	1.17e-03
84	142	550.00	10.52	-27.96	0.42	8.66	-0.25	0.04
84	142	600.00	3.75	-27.86	0.36	-1.14	-0.06	0.05
84	142	650.00	-9.29	-27.84	0.11	-8.26	0.14	0.05
84	142	700.00	-16.81	-7.80	-0.30	-12.72	0.05	0.03
84	143	340.00	3.98	3.74	-0.55	3.42	-0.15	-0.09
84	143	392.50	3.98	3.74	-0.55	2.76	-0.14	-0.08
84	143	445.00	5.65	-0.39	-0.60	8.95	-0.45	-0.05
84	143	497.50	10.28	-23.39	0.21	15.45	-0.55	-1.10e-04
84	143	550.00	2.71	-23.31	0.40	8.27	-0.35	0.05
84	143	600.00	-0.14	-23.25	0.35	0.08	-0.14	0.06
84	143	650.00	-11.27	-23.27	0.16	-5.98	0.09	0.06
84	143	700.00	-17.49	-7.36	-0.20	-9.43	0.03	0.04
84	158	340.00	8.43	2.31	0.07	2.09	0.01	6.32e-03
84	158	392.50	8.43	2.31	0.07	1.43	0.03	5.58e-03
84	158	445.00	10.27	-0.06	0.07	6.28	0.05	5.71e-03
84	158	497.50	28.03	-17.60	0.08	8.03	0.08	3.07e-03
84	158	550.00	16.77	-17.52	0.16	3.30	0.10	-1.36e-03
84	158	600.00	7.56	-17.45	0.14	-2.28	0.12	-2.88e-03
84	158	650.00	-0.54	-17.44	-0.08	-6.17	0.15	-3.19e-03
84	158	700.00	-5.23	-3.86	-0.28	-9.08	0.05	-2.40e-03
84	171	340.00	7.71	-2.18	-0.33	0.43	-0.09	-0.05
84	171	392.50	7.71	-2.18	-0.33	-0.23	-0.08	-0.05

84	171	445.00	4.87	-1.92	-0.40	6.09	-0.27	-0.03
84	171	497.50	10.37	-17.20	0.07	10.55	-0.34	0.01
84	171	550.00	0.55	-17.09	0.25	6.51	-0.26	0.03
84	171	600.00	-8.19	-16.97	0.21	2.96	-0.18	0.04
84	171	650.00	-20.85	-16.93	0.10	-0.18	-0.12	0.04
84	171	700.00	-27.74	-5.13	0.19	-1.35	-0.06	0.03
84	174	340.00	6.02	4.91	-0.43	4.48	-0.12	-0.07
84	174	392.50	6.02	4.91	-0.43	3.82	-0.11	-0.06
84	174	445.00	8.76	0.15	-0.46	11.08	-0.35	-0.04
84	174	497.50	22.48	-28.23	0.21	17.25	-0.43	1.64e-03
84	174	550.00	10.60	-28.12	0.42	8.69	-0.25	0.04
84	174	600.00	3.38	-28.03	0.37	-1.06	-0.07	0.05
84	174	650.00	-9.63	-28.00	0.11	-8.20	0.14	0.05
84	174	700.00	-17.24	-7.84	-0.29	-12.68	0.05	0.03
84	175	340.00	4.02	3.73	-0.55	3.44	-0.15	-0.09
84	175	392.50	4.02	3.73	-0.55	2.78	-0.14	-0.08
84	175	445.00	5.67	-0.40	-0.60	8.99	-0.45	-0.05
84	175	497.50	10.31	-23.48	0.22	15.50	-0.55	2.56e-04
84	175	550.00	2.83	-23.40	0.41	8.25	-0.36	0.05
84	175	600.00	-0.40	-23.34	0.35	0.12	-0.14	0.06
84	175	650.00	-11.44	-23.36	0.16	-5.94	0.08	0.06
84	175	700.00	-17.73	-7.38	-0.19	-9.39	0.03	0.04
84	190	340.00	8.38	2.37	0.07	2.14	0.01	5.92e-03
84	190	392.50	8.38	2.37	0.07	1.47	0.02	5.23e-03
84	190	445.00	10.28	-0.07	0.07	6.35	0.05	5.48e-03
84	190	497.50	28.22	-17.77	0.08	8.14	0.08	3.37e-03
84	190	550.00	16.72	-17.69	0.16	3.38	0.10	-1.31e-03
84	190	600.00	7.30	-17.61	0.14	-2.19	0.12	-2.76e-03
84	190	650.00	-0.90	-17.60	-0.08	-6.14	0.15	-3.07e-03
84	190	700.00	-5.65	-3.89	-0.28	-9.06	0.05	-2.14e-03
84	203	340.00	7.76	-2.11	-0.34	0.52	-0.09	-0.06
84	203	392.50	7.76	-2.11	-0.34	-0.14	-0.08	-0.05
84	203	445.00	4.92	-1.90	-0.41	6.30	-0.28	-0.03
84	203	497.50	10.55	-17.66	0.07	10.87	-0.35	0.01
84	203	550.00	0.70	-17.55	0.25	6.65	-0.26	0.03
84	203	600.00	-8.28	-17.43	0.21	2.96	-0.18	0.04
84	203	650.00	-21.00	-17.38	0.10	-0.29	-0.12	0.04
84	203	700.00	-28.03	-5.26	0.19	-1.55	-0.06	0.03
84	214	340.00	6.21	5.86	-0.52	5.50	-0.14	-0.08
84	214	392.50	6.21	5.86	-0.52	4.83	-0.13	-0.07
84	214	445.00	9.39	0.22	-0.57	13.27	-0.43	-0.05
84	214	497.50	25.48	-33.42	0.23	20.54	-0.53	0.02
84	214	550.00	11.54	-33.14	0.49	10.36	-0.36	0.05
84	214	600.00	2.82	-32.88	0.44	-1.04	-0.14	0.06
84	214	650.00	-13.09	-32.69	0.16	-9.14	0.05	0.07
84	214	700.00	-22.37	-9.07	-0.20	-14.29	0.03	0.05
84	215	340.00	3.88	4.45	-0.66	4.25	-0.18	-0.10
84	215	392.50	3.88	4.45	-0.66	3.59	-0.17	-0.09
84	215	445.00	5.76	-0.43	-0.73	10.78	-0.54	-0.06
84	215	497.50	11.08	-27.76	0.23	18.45	-0.67	0.02
84	215	550.00	2.43	-27.53	0.47	9.81	-0.47	0.06
84	215	600.00	-1.55	-27.31	0.42	0.32	-0.23	0.08
84	215	650.00	-15.11	-27.17	0.22	-6.48	-0.01	0.08
84	215	700.00	-22.81	-8.52	-0.09	-10.42	7.89e-04	0.06
84	222	340.00	8.93	3.06	0.08	2.75	0.01	7.64e-03
84	222	392.50	8.93	3.06	0.08	2.08	0.03	6.81e-03
84	222	445.00	11.36	0.15	0.08	7.57	0.06	6.63e-03
84	222	497.50	32.58	-20.49	0.09	9.58	0.08	3.95e-03
84	222	550.00	19.21	-20.39	0.19	4.00	0.11	-1.84e-03
84	222	600.00	8.27	-20.30	0.16	-2.51	0.13	-3.50e-03
84	222	650.00	-1.09	-20.27	-0.08	-7.14	0.16	-3.84e-03
84	222	700.00	-6.61	-4.38	-0.31	-10.58	0.06	-2.90e-03
84	235	340.00	8.27	-2.20	-0.42	0.89	-0.11	-0.07
84	235	392.50	8.27	-2.20	-0.42	0.22	-0.10	-0.06
84	235	445.00	5.09	-1.97	-0.49	7.61	-0.34	-0.04
84	235	497.50	11.81	-20.64	0.08	12.97	-0.42	0.02
84	235	550.00	0.50	-20.49	0.30	7.92	-0.32	0.04
84	235	600.00	-9.86	-20.35	0.26	3.49	-0.22	0.05
84	235	650.00	-24.57	-20.28	0.13	-0.39	-0.14	0.05
84	235	700.00	-32.82	-6.09	0.23	-1.94	-0.07	0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-32.82	-33.42	-0.94	-14.29	-0.77	-0.14
	32.58	5.86	0.60	20.54	0.16	0.11

Macro	Tipo	Angolo 1-Z (gradi)
85	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
85	4	340.00	-497.89	27.55	0.46	417.40	-3.37e-03	-3.63e-03
85	4	392.50	-497.89	27.55	0.46	402.94	0.24	0.01
85	4	445.00	-479.79	27.71	0.22	365.25	0.42	1.64e-03
85	4	497.50	-466.22	28.03	-0.12	339.24	0.42	8.43e-03
85	4	550.00	-453.43	28.35	-0.19	316.61	0.34	5.19e-03
85	4	600.00	-441.43	28.66	-0.29	296.73	0.22	1.16e-04
85	4	650.00	-428.34	29.19	-0.40	273.26	0.05	-0.02
85	4	700.00	-414.38	34.99	-0.10	231.07	0.0	-0.01
85	44	340.00	-441.13	59.22	-0.55	492.62	-3.43e-03	0.02
85	44	392.50	-441.13	59.22	-0.55	461.55	-0.29	-0.02
85	44	445.00	-424.29	58.23	-0.37	414.94	-0.56	-3.30e-03
85	44	497.50	-411.47	57.29	-0.21	377.90	-0.73	7.95e-03
85	44	550.00	-399.32	56.21	0.11	345.09	-0.75	8.65e-03
85	44	600.00	-387.90	55.27	0.33	316.31	-0.64	6.97e-03
85	44	650.00	-375.58	54.68	0.51	285.18	-0.43	-4.88e-03
85	44	700.00	-361.82	56.88	0.85	233.16	0.0	-0.03
85	45	340.00	-201.90	39.90	-0.64	257.64	-2.03e-03	0.02
85	45	392.50	-201.90	39.90	-0.64	236.70	-0.34	-0.03
85	45	445.00	-192.03	38.98	-0.39	210.86	-0.62	-3.82e-03
85	45	497.50	-184.07	38.03	-0.16	189.48	-0.78	5.36e-03
85	45	550.00	-176.37	36.95	0.14	170.55	-0.78	6.90e-03
85	45	600.00	-169.03	36.00	0.35	153.94	-0.66	6.38e-03
85	45	650.00	-161.30	35.27	0.53	136.37	-0.44	-3.43e-04
85	45	700.00	-153.33	35.32	0.86	108.01	0.0	-0.02
85	68	340.00	-353.32	20.07	0.32	295.52	-2.46e-03	-2.57e-03
85	68	392.50	-353.32	20.07	0.32	284.99	0.17	9.12e-03
85	68	445.00	-340.06	20.17	0.16	258.09	0.30	1.04e-03
85	68	497.50	-330.04	20.39	-0.09	239.56	0.29	6.28e-03
85	68	550.00	-320.55	20.60	-0.14	223.44	0.23	3.95e-03
85	68	600.00	-311.64	20.81	-0.21	209.26	0.15	1.72e-04
85	68	650.00	-301.95	21.17	-0.29	192.52	0.02	-0.01
85	68	700.00	-291.77	25.24	-0.04	162.48	0.0	-7.65e-03
85	85	340.00	-214.34	33.06	-0.37	241.95	-2.02e-03	0.01
85	85	392.50	-214.34	33.06	-0.37	224.59	-0.20	-0.02
85	85	445.00	-204.19	32.43	-0.24	200.63	-0.37	-2.60e-03
85	85	497.50	-196.06	31.81	-0.14	181.60	-0.49	5.41e-03
85	85	550.00	-188.21	31.08	0.06	164.79	-0.50	5.92e-03
85	85	600.00	-180.75	30.45	0.19	150.01	-0.44	4.52e-03
85	85	650.00	-172.86	30.00	0.29	133.99	-0.32	-3.42e-03
85	85	700.00	-164.82	30.75	0.62	107.62	0.0	-0.01
85	88	340.00	-315.48	41.18	-0.35	345.67	-2.50e-03	0.01
85	88	392.50	-315.48	41.18	-0.35	324.05	-0.19	-0.02
85	88	445.00	-303.06	40.52	-0.24	291.21	-0.36	-2.26e-03
85	88	497.50	-293.54	39.90	-0.15	265.32	-0.48	5.97e-03
85	88	550.00	-284.48	39.17	0.06	242.42	-0.50	6.26e-03
85	88	600.00	-275.95	38.55	0.20	222.32	-0.43	4.74e-03
85	88	650.00	-266.78	38.16	0.32	200.46	-0.30	-4.41e-03
85	88	700.00	-256.73	39.84	0.59	163.87	0.0	-0.02
85	98	340.00	-296.08	24.61	0.16	272.78	-2.22e-03	8.71e-04
85	98	392.50	-296.08	24.61	0.16	259.87	0.08	2.28e-03
85	98	445.00	-284.07	24.54	0.07	234.48	0.14	7.76e-05
85	98	497.50	-274.82	24.56	-0.10	216.00	0.11	5.96e-03
85	98	550.00	-266.02	24.56	-0.09	199.76	0.07	4.36e-03
85	98	600.00	-257.72	24.57	-0.12	185.40	0.01	1.22e-03
85	98	650.00	-248.79	24.72	-0.15	168.93	-0.05	-9.72e-03
85	98	700.00	-239.52	27.63	0.11	140.42	0.0	-9.03e-03
85	103	340.00	-285.23	20.73	0.21	249.85	-2.16e-03	-7.14e-04
85	103	392.50	-285.23	20.73	0.21	238.98	0.11	4.02e-03
85	103	445.00	-273.47	20.73	0.10	215.71	0.19	2.97e-04
85	103	497.50	-264.38	20.81	-0.09	199.22	0.17	5.91e-03
85	103	550.00	-255.70	20.88	-0.11	184.81	0.12	4.13e-03
85	103	600.00	-247.51	20.95	-0.15	172.08	0.06	8.19e-04
85	103	650.00	-238.71	21.16	-0.21	157.23	-0.03	-0.01
85	103	700.00	-229.74	24.19	0.07	131.22	0.0	-7.55e-03
85	104	340.00	-216.25	20.61	0.04	198.28	-1.91e-03	2.34e-03
85	104	392.50	-216.25	20.61	0.04	187.46	0.02	-2.99e-03
85	104	445.00	-206.05	20.45	6.20e-03	168.09	0.03	-7.10e-04
85	104	497.50	-197.90	20.34	-0.10	154.04	-0.01	5.36e-03

85	104	550.00	-190.04	20.19	-0.06	141.74	-0.05	4.29e-03
85	104	600.00	-182.57	20.07	-0.07	130.86	-0.08	1.52e-03
85	104	650.00	-174.66	20.06	-0.09	118.38	-0.12	-8.14e-03
85	104	700.00	-166.89	21.79	0.24	97.02	0.0	-6.99e-03
85	105	340.00	-284.26	26.70	0.05	271.50	-2.20e-03	3.34e-03
85	105	392.50	-284.26	26.70	0.05	257.48	0.03	-1.73e-03
85	105	445.00	-272.53	26.53	5.85e-03	231.97	0.04	-4.40e-04
85	105	497.50	-263.44	26.42	-0.11	213.06	-7.00e-03	5.89e-03
85	105	550.00	-254.77	26.27	-0.06	196.41	-0.05	4.70e-03
85	105	600.00	-246.59	26.15	-0.06	181.71	-0.08	1.91e-03
85	105	650.00	-237.81	26.18	-0.06	165.06	-0.10	-8.49e-03
85	105	700.00	-228.70	28.72	0.21	136.49	0.0	-0.01
85	106	340.00	-216.72	17.50	0.14	187.36	-1.88e-03	-3.04e-04
85	106	392.50	-216.72	17.50	0.14	178.18	0.07	8.18e-04
85	106	445.00	-206.52	17.46	0.07	159.96	0.13	-2.37e-04
85	106	497.50	-198.36	17.48	-0.09	147.15	0.11	5.35e-03
85	106	550.00	-190.50	17.47	-0.09	135.98	0.06	3.88e-03
85	106	600.00	-183.03	17.47	-0.13	126.07	7.33e-03	7.74e-04
85	106	650.00	-175.11	17.57	-0.19	114.47	-0.07	-9.32e-03
85	106	700.00	-167.40	19.55	0.15	94.37	0.0	-5.18e-03
85	107	340.00	-284.74	23.59	0.16	260.58	-2.17e-03	7.04e-04
85	107	392.50	-284.74	23.59	0.16	248.20	0.08	2.07e-03
85	107	445.00	-272.99	23.53	0.07	223.84	0.14	3.27e-05
85	107	497.50	-263.90	23.55	-0.10	206.17	0.11	5.88e-03
85	107	550.00	-255.23	23.55	-0.09	190.65	0.06	4.29e-03
85	107	600.00	-247.05	23.55	-0.12	176.92	0.01	1.16e-03
85	107	650.00	-238.27	23.70	-0.16	161.15	-0.06	-9.66e-03
85	107	700.00	-229.22	26.48	0.11	133.84	0.0	-8.48e-03
85	109	340.00	-126.63	106.32	0.51	222.58	0.09	0.18
85	109	392.50	-126.63	106.32	0.51	210.21	0.17	0.17
85	109	445.00	-125.54	115.52	0.25	212.25	0.36	0.13
85	109	497.50	-133.52	91.97	2.29	193.75	1.00	3.84e-03
85	109	550.00	-140.57	76.36	1.34	177.59	1.97	-0.05
85	109	600.00	-152.10	67.98	0.26	140.11	2.38	-0.07
85	109	650.00	-154.73	69.05	-0.57	127.08	2.31	-0.07
85	109	700.00	-157.33	16.78	-4.38	97.76	1.13	-0.07
85	113	340.00	-114.27	118.91	0.81	240.10	0.18	0.17
85	113	392.50	-114.27	118.91	0.81	227.72	0.26	0.16
85	113	445.00	-116.07	127.98	0.47	220.77	0.58	0.14
85	113	497.50	-123.15	104.25	2.01	207.41	1.22	0.03
85	113	550.00	-131.29	88.46	1.12	188.44	2.07	-0.02
85	113	600.00	-143.88	79.90	0.04	147.64	2.41	-0.05
85	113	650.00	-147.53	80.74	-0.78	131.65	2.26	-0.06
85	113	700.00	-153.14	26.39	-4.18	107.23	1.07	-0.06
85	114	340.00	-455.21	-71.72	-0.50	281.06	-0.19	-0.17
85	114	392.50	-455.21	-71.72	-0.50	268.68	-0.10	-0.16
85	114	445.00	-429.91	-80.92	-0.33	226.90	-0.30	-0.14
85	114	497.50	-404.65	-57.15	-2.20	204.92	-1.00	-0.02
85	114	550.00	-379.17	-41.37	-1.30	192.86	-1.94	0.02
85	114	600.00	-350.21	-32.79	-0.28	206.20	-2.38	0.05
85	114	650.00	-329.00	-33.34	0.46	190.66	-2.37	0.04
85	114	700.00	-305.29	26.57	4.41	160.45	-1.07	0.04
85	139	340.00	-247.75	212.67	0.60	877.60	0.16	-0.02
85	139	392.50	-247.75	212.67	0.60	865.22	0.24	-0.02
85	139	445.00	-242.26	210.38	0.33	752.99	0.47	8.60e-03
85	139	497.50	-232.55	209.17	-1.23	672.36	0.29	0.06
85	139	550.00	-232.44	207.57	-0.96	578.58	-0.18	0.08
85	139	600.00	-222.02	203.88	-0.53	510.29	-0.50	0.06
85	139	650.00	-214.92	199.20	-0.19	434.93	-0.56	0.05
85	139	700.00	-197.20	183.17	1.21	320.76	-0.27	0.03
85	141	340.00	-106.69	116.61	0.56	217.22	0.10	0.20
85	141	392.50	-106.69	116.61	0.56	204.84	0.18	0.19
85	141	445.00	-106.96	126.97	0.27	210.27	0.38	0.15
85	141	497.50	-117.10	100.46	2.59	191.71	1.11	3.45e-03
85	141	550.00	-126.14	82.89	1.53	175.52	2.22	-0.06
85	141	600.00	-140.16	73.46	0.31	135.13	2.68	-0.08
85	141	650.00	-144.23	74.65	-0.63	122.50	2.62	-0.08
85	141	700.00	-148.31	15.48	-4.96	92.97	1.27	-0.08
85	145	340.00	-92.83	130.86	0.90	237.22	0.20	0.19
85	145	392.50	-92.83	130.86	0.90	224.84	0.29	0.18
85	145	445.00	-96.35	141.08	0.52	220.10	0.64	0.15
85	145	497.50	-105.46	114.37	2.28	207.30	1.36	0.04
85	145	550.00	-115.73	96.59	1.27	187.91	2.32	-0.02
85	145	600.00	-130.93	86.95	0.06	143.77	2.71	-0.06
85	145	650.00	-136.15	87.88	-0.85	127.78	2.55	-0.07

85	145	700.00	-143.59	26.36	-4.73	103.71	1.21	-0.06
85	146	340.00	-476.66	-83.68	-0.58	283.94	-0.21	-0.19
85	146	392.50	-476.66	-83.68	-0.58	271.56	-0.13	-0.18
85	146	445.00	-449.63	-94.02	-0.38	227.58	-0.36	-0.15
85	146	497.50	-422.33	-67.26	-2.47	205.04	-1.14	-0.02
85	146	550.00	-394.73	-49.50	-1.45	193.38	-2.19	0.03
85	146	600.00	-363.16	-39.85	-0.30	210.07	-2.69	0.06
85	146	650.00	-340.39	-40.48	0.54	194.52	-2.66	0.05
85	146	700.00	-314.85	26.60	4.95	163.97	-1.21	0.04
85	171	340.00	-243.45	236.48	0.65	955.81	0.18	-0.03
85	171	392.50	-243.45	236.48	0.65	943.43	0.26	-0.02
85	171	445.00	-238.73	233.92	0.37	820.00	0.52	9.53e-03
85	171	497.50	-228.91	232.56	-1.38	731.37	0.32	0.07
85	171	550.00	-229.79	230.76	-1.08	627.80	-0.21	0.09
85	171	600.00	-219.06	226.61	-0.58	552.61	-0.57	0.07
85	171	650.00	-212.13	221.33	-0.19	469.71	-0.63	0.06
85	171	700.00	-193.24	202.93	1.36	344.39	-0.31	0.04
85	173	340.00	-109.85	112.69	0.54	208.61	0.10	0.20
85	173	392.50	-109.85	112.69	0.54	196.23	0.18	0.19
85	173	445.00	-110.17	122.64	0.26	201.79	0.38	0.14
85	173	497.50	-120.21	97.00	2.60	183.81	1.10	-6.26e-04
85	173	550.00	-129.13	80.00	1.54	168.30	2.22	-0.06
85	173	600.00	-142.70	70.85	0.32	129.95	2.68	-0.09
85	173	650.00	-146.67	71.93	-0.62	117.94	2.62	-0.08
85	173	700.00	-150.66	15.13	-4.96	89.58	1.27	-0.08
85	177	340.00	-96.26	127.73	0.88	231.14	0.20	0.19
85	177	392.50	-96.26	127.73	0.88	218.76	0.28	0.18
85	177	445.00	-99.81	137.54	0.51	213.83	0.63	0.15
85	177	497.50	-108.78	111.69	2.28	201.34	1.35	0.03
85	177	550.00	-118.88	94.48	1.27	182.35	2.32	-0.02
85	177	600.00	-133.59	85.12	0.07	140.04	2.71	-0.06
85	177	650.00	-138.67	85.92	-0.85	124.52	2.55	-0.07
85	177	700.00	-145.89	26.69	-4.72	101.11	1.21	-0.06
85	178	340.00	-473.22	-80.55	-0.57	290.02	-0.21	-0.19
85	178	392.50	-473.22	-80.55	-0.57	277.64	-0.12	-0.17
85	178	445.00	-446.17	-90.48	-0.37	233.85	-0.35	-0.15
85	178	497.50	-419.02	-64.59	-2.47	210.99	-1.13	-0.02
85	178	550.00	-391.57	-47.39	-1.46	198.95	-2.19	0.03
85	178	600.00	-360.50	-38.01	-0.31	213.80	-2.68	0.06
85	178	650.00	-337.86	-38.53	0.53	197.78	-2.66	0.05
85	178	700.00	-312.55	26.26	4.95	166.58	-1.21	0.05
85	203	340.00	-246.50	235.01	0.65	955.15	0.18	-0.03
85	203	392.50	-246.50	235.01	0.65	942.77	0.26	-0.03
85	203	445.00	-241.54	232.53	0.37	819.07	0.52	8.09e-03
85	203	497.50	-231.44	231.22	-1.42	730.41	0.30	0.07
85	203	550.00	-231.44	229.44	-1.10	628.13	-0.24	0.09
85	203	600.00	-220.48	225.38	-0.59	552.93	-0.60	0.07
85	203	650.00	-213.29	220.25	-0.18	470.14	-0.66	0.06
85	203	700.00	-193.96	202.00	1.43	343.99	-0.33	0.04
85	205	340.00	-80.78	125.98	0.60	193.81	0.11	0.24
85	205	392.50	-80.78	125.98	0.60	181.43	0.19	0.22
85	205	445.00	-83.28	137.46	0.29	192.39	0.41	0.17
85	205	497.50	-96.64	107.80	3.08	174.73	1.27	-4.26e-03
85	205	550.00	-108.59	88.13	1.83	159.69	2.60	-0.07
85	205	600.00	-125.73	77.53	0.40	118.23	3.15	-0.10
85	205	650.00	-131.92	78.71	-0.70	107.27	3.09	-0.10
85	205	700.00	-138.21	12.78	-5.86	79.68	1.50	-0.10
85	209	340.00	-65.16	144.04	1.00	221.81	0.24	0.22
85	209	392.50	-65.16	144.04	1.00	209.43	0.32	0.21
85	209	445.00	-71.41	155.34	0.58	207.85	0.71	0.17
85	209	497.50	-83.47	125.44	2.70	196.51	1.56	0.03
85	209	550.00	-96.78	105.52	1.52	177.22	2.71	-0.03
85	209	600.00	-115.21	94.66	0.10	131.01	3.18	-0.07
85	209	650.00	-122.66	95.52	-0.97	115.87	3.00	-0.08
85	209	700.00	-132.62	26.70	-5.57	93.65	1.42	-0.07
85	210	340.00	-504.32	-96.85	-0.69	299.34	-0.24	-0.22
85	210	392.50	-504.32	-96.85	-0.69	286.97	-0.16	-0.20
85	210	445.00	-474.57	-108.28	-0.45	239.82	-0.43	-0.17
85	210	497.50	-444.32	-78.34	-2.89	215.82	-1.34	-0.02
85	210	550.00	-413.68	-58.42	-1.70	204.08	-2.58	0.04
85	210	600.00	-378.88	-47.55	-0.34	222.83	-3.15	0.07
85	210	650.00	-353.87	-48.12	0.65	206.44	-3.11	0.06
85	210	700.00	-325.81	26.25	5.80	174.04	-1.42	0.06
85	235	340.00	-242.19	271.19	0.73	1076.87	0.21	-0.04
85	235	392.50	-242.19	271.19	0.73	1064.49	0.29	-0.03

85	235	445.00	-238.28	268.31	0.42	922.98	0.58	8.56e-03
85	235	497.50	-227.79	266.80	-1.69	821.84	0.32	0.08
85	235	550.00	-228.95	264.73	-1.30	704.80	-0.32	0.10
85	235	600.00	-217.24	259.98	-0.67	619.14	-0.75	0.09
85	235	650.00	-210.13	253.94	-0.18	524.79	-0.81	0.07
85	235	700.00	-188.60	232.21	1.72	380.71	-0.40	0.05

M_S		N memb.	V memb.	V orto	M memb.	M orto	T
		-504.32	-108.28	-5.86	79.68	-3.15	-0.22
		-65.16	271.19	5.80	1076.87	3.18	0.24

Macro	Tipo	Angolo 1-Z (gradi)
86	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
86	4	340.00	-797.90	17.26	0.14	77.87	-3.70e-03	0.02
86	4	392.50	-797.90	17.26	0.14	68.82	0.07	0.01
86	4	445.00	-769.52	17.21	0.09	30.58	0.12	0.01
86	4	497.50	-752.87	17.88	0.09	19.63	0.17	3.69e-03
86	4	550.00	-737.99	18.60	-0.08	16.28	0.18	-5.67e-03
86	4	600.00	-723.43	19.23	-0.24	13.40	0.10	-0.01
86	4	650.00	-709.06	19.91	-0.30	14.50	1.31e-03	-0.01
86	4	700.00	-690.92	17.90	0.01	-17.44	0.0	2.42e-03
86	33	340.00	-559.43	37.08	0.11	153.64	-3.56e-03	0.01
86	33	392.50	-559.42	37.08	0.11	134.18	0.06	0.01
86	33	445.00	-536.13	35.28	0.08	98.88	0.10	0.01
86	33	497.50	-521.70	33.82	0.10	82.45	0.15	4.30e-03
86	33	550.00	-508.63	32.29	-0.02	72.20	0.18	-4.25e-03
86	33	600.00	-495.89	30.99	-0.24	62.82	0.09	-0.01
86	33	650.00	-483.32	30.06	-0.34	56.28	-0.02	-0.02
86	33	700.00	-468.42	27.70	0.07	24.96	0.0	3.35e-03
86	44	340.00	-700.33	53.93	0.12	192.54	-3.74e-03	0.01
86	44	392.50	-700.33	53.93	0.12	164.24	0.06	0.01
86	44	445.00	-673.56	51.06	0.08	117.96	0.11	0.01
86	44	497.50	-657.86	48.66	0.08	95.05	0.15	4.29e-03
86	44	550.00	-643.94	46.11	-0.06	80.12	0.16	-4.60e-03
86	44	600.00	-630.40	43.92	-0.23	66.76	0.08	-0.01
86	44	650.00	-617.26	42.22	-0.29	57.83	-0.02	-0.01
86	44	700.00	-600.19	37.66	0.05	17.16	0.0	1.96e-03
86	45	340.00	-302.41	39.93	0.07	129.63	-2.33e-03	8.24e-03
86	45	392.50	-302.41	39.93	0.07	108.67	0.04	8.58e-03
86	45	445.00	-287.26	37.44	0.05	85.09	0.06	6.82e-03
86	45	497.50	-277.63	35.05	0.06	70.85	0.10	3.60e-03
86	45	550.00	-268.87	32.53	-4.86e-03	60.64	0.11	-1.81e-03
86	45	600.00	-260.35	30.37	-0.16	51.33	0.05	-8.85e-03
86	45	650.00	-252.05	28.67	-0.21	43.97	-0.02	-0.01
86	45	700.00	-242.63	26.48	0.05	21.59	0.0	1.42e-03
86	68	340.00	-562.80	13.00	0.10	56.76	-2.74e-03	0.01
86	68	392.50	-562.80	13.00	0.10	49.94	0.05	0.01
86	68	445.00	-542.15	12.94	0.07	23.00	0.09	8.08e-03
86	68	497.50	-529.87	13.38	0.07	15.23	0.13	2.87e-03
86	68	550.00	-518.84	13.86	-0.05	12.84	0.14	-4.03e-03
86	68	600.00	-508.05	14.28	-0.18	10.76	0.08	-9.62e-03
86	68	650.00	-497.38	14.75	-0.23	11.42	-2.19e-04	-9.94e-03
86	68	700.00	-484.22	13.45	0.01	-11.36	0.0	1.85e-03
86	81	340.00	-403.82	26.21	0.08	107.27	-2.65e-03	9.81e-03
86	81	392.50	-403.82	26.21	0.08	93.52	0.04	9.94e-03
86	81	445.00	-386.55	24.98	0.06	68.53	0.07	7.61e-03
86	81	497.50	-375.75	24.01	0.07	57.11	0.11	3.28e-03
86	81	550.00	-365.93	22.99	-0.02	50.13	0.13	-3.08e-03
86	81	600.00	-356.35	22.12	-0.18	43.71	0.07	-0.01
86	81	650.00	-346.89	21.52	-0.26	39.28	-0.02	-0.01
86	81	700.00	-335.89	19.99	0.05	16.91	0.0	2.46e-03
86	85	340.00	-324.14	32.00	0.08	107.24	-2.36e-03	8.51e-03
86	85	392.50	-324.14	32.00	0.08	90.44	0.04	8.78e-03
86	85	445.00	-308.61	30.23	0.06	68.37	0.07	6.91e-03
86	85	497.50	-298.75	28.63	0.06	56.54	0.10	3.43e-03
86	85	550.00	-289.76	26.94	-7.91e-03	48.66	0.12	-2.13e-03
86	85	600.00	-280.99	25.50	-0.16	41.42	0.06	-9.02e-03
86	85	650.00	-272.39	24.40	-0.22	36.03	-0.02	-0.01
86	85	700.00	-262.71	22.73	0.04	15.21	0.0	1.58e-03

86	88	340.00	-497.75	37.44	0.09	133.20	-2.77e-03	0.01
86	88	392.50	-497.75	37.44	0.09	113.56	0.05	0.01
86	88	445.00	-478.17	35.51	0.06	81.25	0.08	7.85e-03
86	88	497.50	-466.52	33.90	0.06	65.50	0.11	3.28e-03
86	88	550.00	-456.14	32.20	-0.04	55.41	0.13	-3.32e-03
86	88	600.00	-446.03	30.74	-0.18	46.33	0.06	-9.59e-03
86	88	650.00	-436.18	29.62	-0.22	40.31	-0.01	-0.01
86	88	700.00	-423.74	26.63	0.04	11.71	0.0	1.54e-03
86	98	340.00	-463.39	19.58	0.09	70.48	-2.57e-03	9.97e-03
86	98	392.50	-463.39	19.58	0.09	60.21	0.05	9.87e-03
86	98	445.00	-444.89	19.17	0.06	35.79	0.08	7.42e-03
86	98	497.50	-433.66	19.14	0.07	26.82	0.12	2.94e-03
86	98	550.00	-423.53	19.12	-0.04	22.57	0.13	-3.28e-03
86	98	600.00	-413.63	19.11	-0.17	18.70	0.07	-9.09e-03
86	98	650.00	-403.88	19.18	-0.22	17.22	-2.62e-03	-9.73e-03
86	98	700.00	-392.19	17.70	0.02	-4.62	0.0	1.42e-03
86	99	340.00	-344.28	14.93	0.08	59.17	-2.37e-03	8.87e-03
86	99	392.50	-344.28	14.93	0.08	51.34	0.04	9.05e-03
86	99	445.00	-328.56	14.64	0.06	33.61	0.07	6.99e-03
86	99	497.50	-318.47	14.62	0.07	27.22	0.11	3.09e-03
86	99	550.00	-309.19	14.60	-8.61e-03	24.34	0.13	-2.66e-03
86	99	600.00	-300.11	14.60	-0.17	21.57	0.07	-9.44e-03
86	99	650.00	-291.08	14.71	-0.24	20.22	-8.80e-03	-0.01
86	99	700.00	-281.21	14.28	0.03	3.68	0.0	2.00e-03
86	104	340.00	-327.79	18.16	0.08	65.43	-2.32e-03	8.59e-03
86	104	392.50	-327.79	18.16	0.08	55.90	0.04	8.81e-03
86	104	445.00	-312.40	17.59	0.06	38.11	0.07	6.85e-03
86	104	497.50	-302.51	17.25	0.07	30.94	0.11	3.16e-03
86	104	550.00	-293.41	16.90	-7.23e-03	27.26	0.13	-2.42e-03
86	104	600.00	-284.51	16.61	-0.17	23.77	0.07	-9.15e-03
86	104	650.00	-275.69	16.48	-0.23	21.72	-9.40e-03	-0.01
86	104	700.00	-266.07	15.86	0.03	4.89	0.0	1.79e-03
86	105	340.00	-443.24	22.35	0.09	78.72	-2.54e-03	9.76e-03
86	105	392.50	-443.24	22.35	0.09	66.99	0.04	9.71e-03
86	105	445.00	-425.15	21.65	0.06	42.60	0.08	7.35e-03
86	105	497.50	-414.12	21.31	0.07	32.90	0.11	3.03e-03
86	105	550.00	-404.16	20.95	-0.03	27.83	0.13	-3.10e-03
86	105	600.00	-394.43	20.65	-0.17	23.21	0.07	-9.07e-03
86	105	650.00	-384.86	20.49	-0.22	20.93	-4.92e-03	-9.84e-03
86	105	700.00	-373.45	18.90	0.02	-1.05	0.0	1.43e-03
86	106	340.00	-328.71	14.71	0.08	54.98	-2.31e-03	8.61e-03
86	106	392.50	-328.71	14.71	0.08	47.27	0.04	8.82e-03
86	106	445.00	-313.35	14.43	0.06	30.55	0.07	6.84e-03
86	106	497.50	-303.45	14.41	0.07	24.54	0.11	3.09e-03
86	106	550.00	-294.32	14.39	-7.06e-03	21.91	0.13	-2.50e-03
86	106	600.00	-285.39	14.39	-0.17	19.35	0.07	-9.18e-03
86	106	650.00	-276.51	14.50	-0.23	18.14	-7.85e-03	-0.01
86	106	700.00	-266.91	14.14	0.03	2.31	0.0	1.85e-03
86	107	340.00	-444.15	18.89	0.09	68.27	-2.53e-03	9.78e-03
86	107	392.50	-444.15	18.89	0.09	58.36	0.04	9.72e-03
86	107	445.00	-426.10	18.49	0.06	35.04	0.08	7.34e-03
86	107	497.50	-415.06	18.47	0.07	26.50	0.12	2.96e-03
86	107	550.00	-405.07	18.44	-0.03	22.48	0.13	-3.17e-03
86	107	600.00	-395.31	18.43	-0.17	18.80	0.07	-9.10e-03
86	107	650.00	-385.68	18.51	-0.22	17.35	-3.37e-03	-9.80e-03
86	107	700.00	-374.29	17.19	0.02	-3.63	0.0	1.48e-03
86	112	340.00	-489.02	-54.57	0.10	-15.28	-4.80e-03	0.22
86	112	392.50	-489.02	-54.57	0.10	-25.19	0.04	0.21
86	112	445.00	-468.98	-55.30	-0.02	-41.66	0.05	0.13
86	112	497.50	-441.63	-54.54	2.63	-11.60	0.71	7.48e-03
86	112	550.00	-435.41	-53.67	1.89	-24.23	1.88	-0.05
86	112	600.00	-427.19	-52.70	-0.31	-13.64	2.32	-0.12
86	112	650.00	-418.32	-53.05	-0.75	-1.08	2.10	-0.14
86	112	700.00	-410.12	-44.01	-4.00	-3.73	1.00	-0.10
86	128	340.00	-507.24	-126.04	0.39	-387.12	0.10	0.03
86	128	392.50	-507.24	-126.04	0.39	-397.03	0.15	0.03
86	128	445.00	-492.67	-125.28	0.21	-344.65	0.26	0.05
86	128	497.50	-479.71	-123.89	0.08	-298.28	0.28	0.05
86	128	550.00	-467.84	-122.32	-0.05	-253.25	0.36	0.02
86	128	600.00	-457.95	-120.58	-0.15	-209.40	0.26	-2.71e-03
86	128	650.00	-445.45	-118.07	-0.53	-164.57	0.14	-2.91e-03
86	128	700.00	-433.17	-99.92	-0.17	-125.74	0.05	-3.08e-03
86	131	340.00	-381.06	163.82	-0.21	523.65	-0.10	-9.90e-03
86	131	392.50	-381.06	163.82	-0.21	513.75	-0.06	-0.01
86	131	445.00	-359.52	162.26	-0.09	414.72	-0.10	-0.03

86	131	497.50	-350.42	160.82	0.05	351.27	-0.05	-0.04
86	131	550.00	-342.30	159.20	-9.55e-03	298.21	-0.10	-0.03
86	131	600.00	-332.67	157.44	-0.19	246.99	-0.12	-0.02
86	131	650.00	-325.92	155.09	0.09	199.28	-0.15	-0.02
86	131	700.00	-315.41	134.30	0.21	118.48	-0.05	6.04e-03
86	139	340.00	-381.80	176.65	1.12	585.34	0.32	-0.05
86	139	392.50	-381.80	176.65	1.12	575.43	0.37	-0.04
86	139	445.00	-360.74	174.92	0.93	470.05	0.94	-2.82e-03
86	139	497.50	-351.87	173.28	-0.81	402.09	1.10	0.06
86	139	550.00	-343.81	171.40	-0.79	342.44	0.75	0.07
86	139	600.00	-334.21	169.35	-0.83	289.34	0.30	0.09
86	139	650.00	-328.35	166.65	-0.73	238.59	-0.17	0.08
86	139	700.00	-317.47	144.23	0.88	151.43	-0.22	0.06
86	144	340.00	-494.62	-63.78	0.10	-25.79	-5.40e-03	0.25
86	144	392.50	-494.62	-63.78	0.10	-35.70	0.04	0.24
86	144	445.00	-474.33	-64.57	-0.03	-51.33	0.05	0.15
86	144	497.50	-444.95	-63.71	2.96	-16.44	0.79	7.92e-03
86	144	550.00	-439.20	-62.72	2.13	-30.11	2.10	-0.06
86	144	600.00	-431.18	-61.63	-0.33	-17.70	2.60	-0.14
86	144	650.00	-422.41	-62.04	-0.81	-3.37	2.36	-0.16
86	144	700.00	-414.61	-51.69	-4.51	-3.69	1.13	-0.11
86	160	340.00	-515.07	-144.09	0.43	-443.72	0.11	0.03
86	160	392.50	-515.07	-144.09	0.43	-453.62	0.16	0.04
86	160	445.00	-500.92	-143.18	0.23	-391.91	0.28	0.05
86	160	497.50	-487.71	-141.62	0.08	-338.72	0.30	0.06
86	160	550.00	-475.62	-139.85	-0.05	-287.60	0.39	0.03
86	160	600.00	-465.70	-137.89	-0.15	-237.83	0.29	-1.95e-03
86	160	650.00	-452.85	-135.08	-0.57	-187.21	0.16	-2.07e-03
86	160	700.00	-440.50	-114.51	-0.20	-140.90	0.05	-3.68e-03
86	163	340.00	-373.23	181.87	-0.25	580.25	-0.12	-0.01
86	163	392.50	-373.23	181.87	-0.25	570.34	-0.07	-0.02
86	163	445.00	-351.28	180.16	-0.10	461.98	-0.13	-0.04
86	163	497.50	-342.42	178.56	0.05	391.72	-0.07	-0.05
86	163	550.00	-334.53	176.73	-7.72e-03	332.55	-0.13	-0.03
86	163	600.00	-324.92	174.76	-0.19	275.42	-0.15	-0.02
86	163	650.00	-318.51	172.11	0.13	221.92	-0.17	-0.02
86	163	700.00	-308.09	148.89	0.24	133.64	-0.05	6.64e-03
86	171	340.00	-374.01	196.41	1.25	649.89	0.36	-0.06
86	171	392.50	-374.01	196.41	1.25	639.98	0.41	-0.05
86	171	445.00	-352.59	194.53	1.04	524.43	1.05	-4.19e-03
86	171	497.50	-344.00	192.69	-0.92	449.05	1.22	0.07
86	171	550.00	-336.16	190.57	-0.90	382.43	0.83	0.08
86	171	600.00	-326.60	188.26	-0.91	323.14	0.33	0.10
86	171	650.00	-321.19	185.22	-0.80	266.19	-0.19	0.09
86	171	700.00	-310.35	160.16	1.00	170.69	-0.25	0.07
86	176	340.00	-493.16	-62.46	0.10	-28.45	-8.90e-03	0.24
86	176	392.50	-493.16	-62.46	0.10	-38.36	0.04	0.23
86	176	445.00	-472.82	-63.22	-0.04	-53.69	0.04	0.14
86	176	497.50	-444.17	-62.37	2.97	-19.75	0.78	3.47e-03
86	176	550.00	-438.37	-61.40	2.14	-32.17	2.10	-0.06
86	176	600.00	-430.41	-60.33	-0.32	-19.18	2.60	-0.14
86	176	650.00	-421.75	-60.68	-0.81	-4.27	2.36	-0.16
86	176	700.00	-414.05	-50.51	-4.52	-4.15	1.13	-0.11
86	192	340.00	-513.62	-141.15	0.44	-433.59	0.11	0.03
86	192	392.50	-513.62	-141.15	0.44	-443.50	0.16	0.04
86	192	445.00	-499.25	-140.30	0.23	-384.18	0.29	0.05
86	192	497.50	-486.04	-138.78	0.10	-332.29	0.31	0.05
86	192	550.00	-474.03	-137.06	-0.05	-282.20	0.41	0.03
86	192	600.00	-464.09	-135.14	-0.15	-233.35	0.31	-2.82e-03
86	192	650.00	-451.42	-132.39	-0.58	-183.35	0.18	-2.76e-03
86	192	700.00	-439.28	-112.19	-0.23	-137.94	0.06	-4.08e-03
86	195	340.00	-374.68	178.93	-0.26	570.12	-0.12	-0.01
86	195	392.50	-374.68	178.93	-0.26	560.21	-0.07	-0.02
86	195	445.00	-352.95	177.28	-0.11	454.26	-0.13	-0.04
86	195	497.50	-344.08	175.71	0.04	385.28	-0.08	-0.05
86	195	550.00	-336.11	173.94	-0.02	327.15	-0.15	-0.03
86	195	600.00	-326.52	172.01	-0.19	270.94	-0.16	-0.02
86	195	650.00	-319.95	169.41	0.14	218.06	-0.19	-0.02
86	195	700.00	-309.31	146.57	0.27	130.69	-0.06	7.04e-03
86	203	340.00	-375.02	194.43	1.26	641.88	0.36	-0.06
86	203	392.50	-375.02	194.43	1.26	631.97	0.41	-0.05
86	203	445.00	-353.78	192.60	1.05	518.47	1.05	-4.93e-03
86	203	497.50	-345.18	190.79	-0.96	443.96	1.22	0.07
86	203	550.00	-337.25	188.71	-0.93	378.11	0.81	0.08
86	203	600.00	-327.75	186.44	-0.92	319.41	0.30	0.10

86	203	650.00	-322.17	183.44	-0.80	262.77	-0.22	0.09
86	203	700.00	-311.14	158.61	1.06	167.72	-0.26	0.07
86	208	340.00	-500.99	-75.81	0.09	-46.10	-0.01	0.28
86	208	392.50	-500.99	-75.81	0.09	-56.01	0.04	0.27
86	208	445.00	-480.21	-76.62	-0.06	-69.87	0.03	0.17
86	208	497.50	-448.81	-75.62	3.48	-29.04	0.89	8.46e-04
86	208	550.00	-443.72	-74.49	2.53	-42.41	2.44	-0.08
86	208	600.00	-436.13	-73.24	-0.34	-26.24	3.04	-0.16
86	208	650.00	-427.71	-73.64	-0.91	-8.17	2.78	-0.19
86	208	700.00	-420.72	-61.58	-5.33	-4.17	1.34	-0.13
86	224	340.00	-525.04	-167.16	0.52	-514.41	0.14	0.04
86	224	392.50	-525.04	-167.16	0.52	-524.32	0.18	0.04
86	224	445.00	-511.21	-166.10	0.27	-451.76	0.33	0.06
86	224	497.50	-497.58	-164.34	0.12	-390.28	0.36	0.06
86	224	550.00	-485.24	-162.33	-0.04	-331.54	0.48	0.03
86	224	600.00	-475.28	-160.11	-0.15	-274.26	0.37	-2.63e-03
86	224	650.00	-462.16	-156.93	-0.65	-215.78	0.23	-2.30e-03
86	224	700.00	-449.97	-133.23	-0.31	-159.33	0.08	-5.55e-03
86	227	340.00	-363.27	204.94	-0.34	650.94	-0.14	-0.02
86	227	392.50	-363.27	204.94	-0.34	641.04	-0.10	-0.02
86	227	445.00	-340.98	203.09	-0.15	521.84	-0.18	-0.04
86	227	497.50	-332.54	201.27	0.02	443.27	-0.13	-0.05
86	227	550.00	-324.91	199.21	-0.03	376.50	-0.22	-0.04
86	227	600.00	-315.33	196.98	-0.18	311.85	-0.23	-0.02
86	227	650.00	-309.21	193.95	0.21	250.49	-0.24	-0.02
86	227	700.00	-298.61	167.60	0.35	152.07	-0.08	8.51e-03
86	235	340.00	-363.31	223.65	1.48	736.09	0.43	-0.07
86	235	392.50	-363.31	223.65	1.48	726.18	0.48	-0.07
86	235	445.00	-341.60	221.58	1.23	597.90	1.23	-7.91e-03
86	235	497.50	-333.47	219.48	-1.18	512.61	1.41	0.08
86	235	550.00	-325.88	217.06	-1.12	436.66	0.91	0.10
86	235	600.00	-316.40	214.41	-1.05	368.86	0.31	0.13
86	235	650.00	-311.44	210.90	-0.89	302.89	-0.29	0.11
86	235	700.00	-300.40	182.15	1.30	195.18	-0.32	0.09

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-797.90	-167.16	-5.33	-524.32	-0.32	-0.19
	-242.63	223.65	3.48	736.09	3.04	0.28

Macro	Tipo	Angolo 1-Z (gradi)
87	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
87	4	340.00	-619.10	-65.26	-5.47e-03	346.02	3.79e-03	-6.22e-04
87	4	392.50	-619.10	-65.26	-5.47e-03	380.27	9.21e-04	-4.59e-03
87	4	445.00	-616.14	-64.19	0.13	337.78	0.05	-8.58e-03
87	4	497.50	-614.44	-62.75	0.15	308.64	0.12	-8.73e-03
87	4	550.00	-612.62	-61.17	0.10	279.56	0.20	-3.62e-03
87	4	600.00	-610.76	-59.62	-0.25	251.34	0.12	8.85e-03
87	4	650.00	-610.13	-57.53	-0.42	216.40	-0.03	0.01
87	4	700.00	-602.30	-41.80	0.07	224.16	0.0	-0.01
87	18	340.00	-544.42	-71.13	6.71e-03	279.67	3.52e-03	-6.10e-04
87	18	392.50	-544.42	-71.13	6.71e-03	317.00	7.04e-03	-3.44e-03
87	18	445.00	-541.07	-69.22	0.13	280.53	0.05	-7.46e-03
87	18	497.50	-538.88	-66.84	0.13	257.69	0.12	-7.69e-03
87	18	550.00	-536.61	-64.27	0.09	234.74	0.19	-3.20e-03
87	18	600.00	-534.34	-61.89	-0.23	212.21	0.12	7.71e-03
87	18	650.00	-533.23	-59.19	-0.38	183.49	-0.02	0.01
87	18	700.00	-525.74	-44.36	0.05	193.58	0.0	-9.09e-03
87	19	340.00	-227.32	-48.58	0.02	95.42	2.06e-03	-1.47e-04
87	19	392.50	-227.32	-48.58	0.02	120.92	0.01	-4.22e-04
87	19	445.00	-223.15	-46.59	0.06	105.24	0.04	-2.80e-03
87	19	497.50	-219.82	-44.22	0.05	98.43	0.07	-3.10e-03
87	19	550.00	-216.48	-41.71	0.03	91.35	0.09	-1.31e-03
87	19	600.00	-213.23	-39.46	-0.10	84.10	0.06	2.91e-03
87	19	650.00	-210.58	-37.28	-0.16	73.96	5.29e-03	3.86e-03
87	19	700.00	-205.67	-30.14	-3.08e-03	82.07	0.0	-4.01e-03
87	28	340.00	-639.15	-33.96	-0.03	405.52	3.99e-03	5.51e-05
87	28	392.50	-639.15	-33.96	-0.03	423.34	-9.94e-03	-5.27e-03
87	28	445.00	-634.79	-34.71	0.12	377.28	0.03	-8.05e-03
87	28	497.50	-631.97	-35.38	0.14	341.15	0.09	-8.16e-03

87	28	550.00	-629.01	-36.04	0.11	305.40	0.17	-3.41e-03
87	28	600.00	-626.00	-36.46	-0.22	271.20	0.10	8.49e-03
87	28	650.00	-623.92	-36.14	-0.37	231.30	-0.03	0.01
87	28	700.00	-615.63	-23.85	0.08	231.40	0.0	-9.51e-03
87	68	340.00	-436.91	-45.74	-3.00e-03	245.85	2.81e-03	-3.60e-04
87	68	392.50	-436.91	-45.74	-3.00e-03	269.85	1.23e-03	-3.14e-03
87	68	445.00	-434.16	-45.03	0.09	239.53	0.03	-5.94e-03
87	68	497.50	-432.39	-44.07	0.10	218.78	0.09	-6.09e-03
87	68	550.00	-430.54	-43.01	0.07	198.08	0.14	-2.56e-03
87	68	600.00	-428.67	-41.97	-0.17	177.99	0.09	6.08e-03
87	68	650.00	-427.65	-40.55	-0.29	153.25	-0.02	8.51e-03
87	68	700.00	-421.76	-29.69	0.05	158.64	0.0	-7.12e-03
87	72	340.00	-248.53	-40.54	0.01	119.98	2.19e-03	-8.68e-06
87	72	392.50	-248.53	-40.54	0.01	141.26	9.28e-03	-8.32e-04
87	72	445.00	-244.10	-39.23	0.06	123.73	0.03	-2.96e-03
87	72	497.50	-240.60	-37.65	0.05	114.27	0.06	-3.28e-03
87	72	550.00	-237.07	-35.97	0.03	104.66	0.09	-1.46e-03
87	72	600.00	-233.63	-34.43	-0.10	95.13	0.06	2.95e-03
87	72	650.00	-230.72	-32.86	-0.16	82.84	1.90e-03	3.98e-03
87	72	700.00	-225.59	-26.25	3.55e-03	89.15	0.0	-4.10e-03
87	75	340.00	-387.12	-49.65	5.12e-03	201.62	2.62e-03	-3.51e-04
87	75	392.50	-387.12	-49.65	5.12e-03	227.67	5.31e-03	-2.37e-03
87	75	445.00	-384.11	-48.38	0.09	201.36	0.04	-5.20e-03
87	75	497.50	-382.02	-46.79	0.09	184.81	0.08	-5.40e-03
87	75	550.00	-379.86	-45.08	0.06	168.19	0.13	-2.27e-03
87	75	600.00	-377.72	-43.49	-0.16	151.91	0.08	5.32e-03
87	75	650.00	-376.39	-41.66	-0.26	131.32	-0.01	7.39e-03
87	75	700.00	-370.72	-31.39	0.03	138.25	0.0	-6.41e-03
87	80	340.00	-450.28	-24.87	-0.02	285.52	2.94e-03	9.20e-05
87	80	392.50	-450.28	-24.87	-0.02	298.57	-6.01e-03	-3.59e-03
87	80	445.00	-446.59	-25.38	0.08	265.86	0.02	-5.59e-03
87	80	497.50	-444.07	-25.82	0.10	240.45	0.07	-5.71e-03
87	80	550.00	-441.46	-26.26	0.07	215.30	0.12	-2.42e-03
87	80	600.00	-438.83	-26.53	-0.15	191.24	0.07	5.84e-03
87	80	650.00	-436.85	-26.29	-0.26	163.19	-0.02	8.11e-03
87	80	700.00	-430.65	-17.72	0.05	163.47	0.0	-6.69e-03
87	98	340.00	-365.44	-30.19	-6.27e-03	225.42	2.63e-03	-7.13e-06
87	98	392.50	-365.44	-30.19	-6.27e-03	241.26	-6.62e-04	-2.65e-03
87	98	445.00	-361.57	-30.29	0.07	214.24	0.02	-4.69e-03
87	98	497.50	-358.78	-30.27	0.08	194.70	0.06	-4.90e-03
87	98	550.00	-355.92	-30.22	0.06	175.34	0.11	-2.13e-03
87	98	600.00	-353.07	-30.08	-0.13	156.72	0.07	4.69e-03
87	98	650.00	-350.85	-29.54	-0.22	134.58	-0.01	6.55e-03
87	98	700.00	-345.17	-21.66	0.04	137.02	0.0	-5.74e-03
87	102	340.00	-257.42	-25.90	3.55e-03	146.64	2.32e-03	2.46e-04
87	102	392.50	-257.42	-25.90	3.55e-03	160.23	4.19e-03	-1.25e-03
87	102	445.00	-252.38	-25.70	0.05	141.17	0.02	-2.86e-03
87	102	497.50	-248.38	-25.37	0.05	128.57	0.05	-3.21e-03
87	102	550.00	-244.34	-25.01	0.04	116.01	0.07	-1.54e-03
87	102	600.00	-240.38	-24.63	-0.08	103.88	0.05	2.63e-03
87	102	650.00	-236.83	-24.06	-0.14	89.46	-1.44e-03	3.59e-03
87	102	700.00	-231.47	-18.92	9.23e-03	92.64	0.0	-3.86e-03
87	103	340.00	-348.10	-32.71	-2.74e-03	208.45	2.56e-03	-2.56e-05
87	103	392.50	-348.10	-32.71	-2.74e-03	225.62	1.12e-03	-2.36e-03
87	103	445.00	-344.20	-32.54	0.07	200.06	0.03	-4.45e-03
87	103	497.50	-341.34	-32.20	0.08	182.19	0.06	-4.67e-03
87	103	550.00	-338.42	-31.82	0.06	164.43	0.11	-2.03e-03
87	103	600.00	-335.52	-31.40	-0.13	147.30	0.07	4.46e-03
87	103	650.00	-333.25	-30.64	-0.21	126.71	-0.01	6.21e-03
87	103	700.00	-327.67	-22.84	0.03	129.93	0.0	-5.52e-03
87	106	340.00	-259.64	-22.24	1.07e-03	153.30	2.36e-03	3.10e-04
87	106	392.50	-259.64	-22.24	1.07e-03	164.97	2.92e-03	-1.35e-03
87	106	445.00	-254.44	-22.31	0.05	145.53	0.02	-2.83e-03
87	106	497.50	-250.32	-22.30	0.05	132.14	0.04	-3.19e-03
87	106	550.00	-246.15	-22.27	0.04	118.84	0.07	-1.56e-03
87	106	600.00	-242.06	-22.18	-0.08	106.07	0.05	2.55e-03
87	106	650.00	-238.36	-21.86	-0.13	91.12	-2.28e-03	3.50e-03
87	106	700.00	-232.94	-17.08	0.01	93.51	0.0	-3.80e-03
87	107	340.00	-350.32	-29.05	-5.22e-03	215.12	2.59e-03	3.82e-05
87	107	392.50	-350.32	-29.05	-5.22e-03	230.36	-1.51e-04	-2.47e-03
87	107	445.00	-346.27	-29.15	0.07	204.42	0.02	-4.43e-03
87	107	497.50	-343.29	-29.13	0.08	185.77	0.06	-4.65e-03
87	107	550.00	-340.24	-29.08	0.06	167.27	0.10	-2.05e-03
87	107	600.00	-337.21	-28.95	-0.12	149.48	0.06	4.38e-03
87	107	650.00	-334.78	-28.44	-0.21	128.37	-0.01	6.12e-03

87	107	700.00	-329.14	-21.01	0.03	130.80	0.0	-5.46e-03
87	108	340.00	-308.87	-61.33	0.07	41.10	-0.01	-0.14
87	108	392.50	-308.87	-61.33	0.07	56.34	-0.01	-0.13
87	108	445.00	-309.39	-60.98	-0.10	40.04	-0.02	-0.08
87	108	497.50	-307.66	-60.27	2.84	38.52	0.73	0.06
87	108	550.00	-306.24	-57.50	2.14	36.17	2.07	0.12
87	108	600.00	-305.43	-56.75	-2.89e-03	32.11	2.64	0.17
87	108	650.00	-305.85	-60.57	-0.51	22.49	2.44	0.15
87	108	700.00	-303.68	-50.48	-4.80	34.41	1.20	0.11
87	136	340.00	-227.08	-193.28	0.63	-94.74	0.21	-0.01
87	136	392.50	-227.08	-193.28	0.63	-79.49	0.21	-0.02
87	136	445.00	-229.70	-194.99	0.31	-63.25	0.29	-0.05
87	136	497.50	-232.75	-194.00	-0.17	-38.86	0.29	-0.06
87	136	550.00	-234.94	-192.07	-7.56e-03	-12.75	0.30	-0.06
87	136	600.00	-237.44	-189.95	-0.29	13.59	0.23	-0.03
87	136	650.00	-240.71	-186.26	-0.64	35.49	-0.26	-0.03
87	136	700.00	-239.50	-150.78	0.33	81.91	-0.07	-0.04
87	139	340.00	-473.57	135.18	-0.64	524.97	-0.20	0.01
87	139	392.50	-473.57	135.18	-0.64	540.21	-0.21	0.01
87	139	445.00	-462.84	136.69	-0.17	472.10	-0.25	0.04
87	139	497.50	-453.82	135.74	0.32	410.40	-0.17	0.05
87	139	550.00	-445.54	133.90	0.12	347.28	-0.10	0.05
87	139	600.00	-436.98	132.04	0.04	285.38	-0.11	0.04
87	139	650.00	-428.84	129.38	0.22	221.24	0.24	0.04
87	139	700.00	-418.78	108.77	-0.27	179.70	0.07	0.03
87	140	340.00	-303.69	-65.34	0.08	19.32	-0.01	-0.16
87	140	392.50	-303.69	-65.34	0.08	34.56	-0.01	-0.15
87	140	445.00	-304.77	-64.93	-0.12	19.47	-0.02	-0.09
87	140	497.50	-303.20	-64.14	3.18	20.10	0.82	0.07
87	140	550.00	-301.97	-61.02	2.40	19.78	2.31	0.14
87	140	600.00	-301.44	-60.19	0.01	17.44	2.97	0.19
87	140	650.00	-302.21	-64.56	-0.55	9.27	2.75	0.17
87	140	700.00	-300.46	-54.15	-5.40	22.40	1.35	0.13
87	168	340.00	-211.71	-213.83	0.71	-133.59	0.24	-0.02
87	168	392.50	-211.71	-213.83	0.71	-118.35	0.23	-0.02
87	168	445.00	-215.14	-215.75	0.34	-96.81	0.33	-0.05
87	168	497.50	-218.95	-214.64	-0.20	-67.02	0.32	-0.07
87	168	550.00	-221.79	-212.47	-0.02	-35.30	0.33	-0.07
87	168	600.00	-224.97	-210.09	-0.31	-3.43	0.25	-0.04
87	168	650.00	-228.96	-206.01	-0.70	23.87	-0.30	-0.03
87	168	700.00	-228.30	-167.03	0.37	75.80	-0.08	-0.05
87	171	340.00	-488.94	155.73	-0.72	563.83	-0.23	0.02
87	171	392.50	-488.94	155.73	-0.72	579.07	-0.23	0.02
87	171	445.00	-477.39	157.44	-0.20	505.66	-0.28	0.04
87	171	497.50	-467.62	156.37	0.35	438.55	-0.19	0.06
87	171	550.00	-458.69	154.30	0.13	369.83	-0.12	0.06
87	171	600.00	-449.45	152.19	0.06	302.40	-0.13	0.05
87	171	650.00	-440.59	149.13	0.28	232.86	0.27	0.04
87	171	700.00	-429.98	125.02	-0.31	185.81	0.08	0.04
87	172	340.00	-304.85	-65.03	0.11	22.49	-6.79e-04	-0.15
87	172	392.50	-304.85	-65.03	0.11	37.73	-3.42e-03	-0.15
87	172	445.00	-305.53	-64.61	-0.08	23.16	6.26e-03	-0.09
87	172	497.50	-303.92	-63.82	3.06	23.56	0.82	0.06
87	172	550.00	-302.55	-60.79	2.31	23.27	2.26	0.13
87	172	600.00	-301.94	-59.98	-0.02	20.90	2.88	0.18
87	172	650.00	-302.54	-64.17	-0.54	13.01	2.66	0.16
87	172	700.00	-300.59	-53.70	-5.22	26.60	1.30	0.12
87	200	340.00	-213.75	-211.57	0.71	-129.86	0.23	-0.02
87	200	392.50	-213.75	-211.57	0.71	-114.62	0.23	-0.02
87	200	445.00	-216.97	-213.48	0.34	-93.47	0.33	-0.05
87	200	497.50	-220.66	-212.38	-0.21	-64.07	0.32	-0.07
87	200	550.00	-223.40	-210.25	-0.02	-32.80	0.32	-0.07
87	200	600.00	-226.47	-207.90	-0.31	-1.39	0.24	-0.04
87	200	650.00	-230.34	-203.87	-0.69	25.45	-0.30	-0.03
87	200	700.00	-229.56	-165.28	0.39	76.86	-0.09	-0.05
87	203	340.00	-486.90	153.47	-0.72	560.10	-0.23	0.02
87	203	392.50	-486.90	153.47	-0.72	575.34	-0.23	0.02
87	203	445.00	-475.57	155.17	-0.21	502.32	-0.28	0.04
87	203	497.50	-465.91	154.12	0.36	435.60	-0.20	0.06
87	203	550.00	-457.08	152.08	0.13	367.33	-0.12	0.06
87	203	600.00	-447.95	150.00	0.07	300.36	-0.11	0.05
87	203	650.00	-439.21	146.98	0.27	231.29	0.28	0.05
87	203	700.00	-428.71	123.27	-0.33	184.74	0.09	0.04
87	204	340.00	-297.69	-70.97	0.16	-9.28	6.31e-03	-0.18
87	204	392.50	-297.69	-70.97	0.16	5.97	3.56e-03	-0.17

87	204	445.00	-299.00	-70.45	-0.09	-6.36	0.02	-0.10
87	204	497.50	-297.61	-69.53	3.51	-2.76	0.96	0.07
87	204	550.00	-296.47	-66.02	2.66	0.08	2.61	0.15
87	204	600.00	-296.22	-65.10	-0.02	0.36	3.33	0.21
87	204	650.00	-297.26	-70.02	-0.60	-5.14	3.08	0.18
87	204	700.00	-295.85	-59.03	-6.03	10.56	1.50	0.14
87	232	340.00	-191.34	-241.79	0.83	-187.78	0.27	-0.02
87	232	392.50	-191.34	-241.79	0.83	-172.53	0.27	-0.03
87	232	445.00	-195.73	-244.00	0.39	-143.47	0.38	-0.06
87	232	497.50	-200.50	-242.73	-0.25	-106.03	0.37	-0.08
87	232	550.00	-204.16	-240.25	-0.03	-66.42	0.36	-0.08
87	232	600.00	-208.23	-237.55	-0.35	-26.84	0.27	-0.05
87	232	650.00	-213.14	-232.93	-0.76	7.93	-0.35	-0.04
87	232	700.00	-213.16	-189.20	0.44	67.42	-0.10	-0.06
87	235	340.00	-509.31	183.69	-0.85	618.01	-0.27	0.02
87	235	392.50	-509.31	183.69	-0.85	633.25	-0.27	0.02
87	235	445.00	-496.81	185.70	-0.25	552.32	-0.34	0.05
87	235	497.50	-486.07	184.47	0.40	477.56	-0.25	0.07
87	235	550.00	-476.32	182.08	0.14	400.95	-0.16	0.07
87	235	600.00	-466.19	179.64	0.10	325.81	-0.15	0.05
87	235	650.00	-456.41	176.04	0.35	248.81	0.33	0.05
87	235	700.00	-445.11	147.19	-0.38	194.19	0.10	0.04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-639.15	-244.00	-6.03	-187.78	-0.35	-0.18
			-191.34	185.70	3.51	633.25	3.33	0.21

Macro	Tipo	Angolo 1-Z (gradi)
88	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
88	4	340.00	-898.09	9.39	0.01	379.09	-8.23e-03	0.05
88	4	392.50	-898.08	9.39	0.01	374.17	-2.42e-03	0.05
88	4	445.00	-885.87	9.74	0.15	400.54	0.03	0.03
88	4	497.50	-875.73	10.31	0.43	418.33	0.22	9.46e-03
88	4	550.00	-865.32	10.97	0.38	436.89	0.43	-6.79e-03
88	4	600.00	-827.98	11.61	-0.73	347.93	0.07	-0.07
88	4	650.00	-801.85	12.22	-0.36	308.20	-0.08	-0.04
88	4	700.00	-764.91	17.93	0.18	204.83	0.0	6.50e-03
88	28	340.00	-896.89	38.15	1.88e-03	494.26	-8.30e-03	0.05
88	28	392.50	-896.89	38.15	1.88e-03	474.26	-7.32e-03	0.05
88	28	445.00	-883.93	36.44	0.14	489.15	0.02	0.03
88	28	497.50	-873.42	34.86	0.44	495.06	0.21	8.48e-03
88	28	550.00	-862.74	33.25	0.38	502.48	0.42	-7.82e-03
88	28	600.00	-824.29	31.93	-0.73	399.76	0.06	-0.07
88	28	650.00	-797.86	30.96	-0.36	349.54	-0.09	-0.04
88	28	700.00	-760.07	34.31	0.19	234.48	0.0	7.23e-03
88	44	340.00	-793.66	46.99	0.02	475.58	-8.01e-03	0.04
88	44	392.50	-793.65	46.99	0.02	450.93	-1.31e-04	0.05
88	44	445.00	-780.92	44.41	0.14	460.52	0.03	0.03
88	44	497.50	-770.64	41.89	0.41	461.61	0.21	8.58e-03
88	44	550.00	-760.27	39.29	0.36	464.40	0.41	-6.97e-03
88	44	600.00	-725.38	37.09	-0.69	370.08	0.07	-0.06
88	44	650.00	-701.18	35.41	-0.33	322.37	-0.07	-0.04
88	44	700.00	-666.86	36.81	0.15	216.52	0.0	3.49e-03
88	45	340.00	-334.55	38.67	0.04	233.85	-5.09e-03	0.02
88	45	392.50	-334.55	38.67	0.04	213.56	0.02	0.03
88	45	445.00	-325.90	36.27	0.10	215.13	0.05	0.02
88	45	497.50	-318.88	33.83	0.23	211.46	0.15	6.87e-03
88	45	550.00	-311.90	31.28	0.20	208.95	0.26	-2.61e-03
88	45	600.00	-294.68	29.09	-0.39	165.82	0.07	-0.04
88	45	650.00	-281.91	27.36	-0.17	141.86	-2.01e-03	-0.02
88	45	700.00	-265.30	26.37	7.40e-03	91.97	0.0	-5.72e-03
88	68	340.00	-631.35	7.84	0.02	264.14	-6.12e-03	0.03
88	68	392.50	-631.35	7.84	0.02	260.03	1.91e-03	0.04
88	68	445.00	-622.21	8.06	0.11	278.97	0.03	0.03
88	68	497.50	-614.61	8.44	0.31	291.61	0.17	7.32e-03
88	68	550.00	-606.81	8.88	0.27	304.78	0.32	-4.66e-03
88	68	600.00	-580.16	9.30	-0.53	242.58	0.06	-0.05
88	68	650.00	-561.31	9.71	-0.26	214.66	-0.05	-0.03
88	68	700.00	-534.99	13.59	0.11	141.80	0.0	3.15e-03

88	80	340.00	-630.56	27.01	9.16e-03	340.93	-6.17e-03	0.03
88	80	392.50	-630.56	27.01	9.16e-03	326.76	-1.36e-03	0.04
88	80	445.00	-620.92	25.87	0.11	338.05	0.02	0.03
88	80	497.50	-613.06	24.80	0.32	342.76	0.16	6.67e-03
88	80	550.00	-605.09	23.73	0.28	348.50	0.31	-5.35e-03
88	80	600.00	-577.70	22.85	-0.53	277.13	0.05	-0.05
88	80	650.00	-558.65	22.20	-0.26	242.22	-0.06	-0.03
88	80	700.00	-531.77	24.51	0.12	161.56	0.0	3.64e-03
88	85	340.00	-357.62	30.64	0.04	214.98	-5.20e-03	0.03
88	85	392.50	-357.62	30.64	0.04	198.91	0.02	0.03
88	85	445.00	-349.09	28.99	0.10	204.00	0.05	0.02
88	85	497.50	-342.10	27.34	0.23	203.81	0.16	7.08e-03
88	85	550.00	-335.10	25.62	0.21	204.54	0.27	-2.61e-03
88	85	600.00	-317.37	24.16	-0.40	162.51	0.07	-0.04
88	85	650.00	-304.19	23.02	-0.17	140.14	-3.87e-03	-0.02
88	85	700.00	-286.98	22.72	0.01	90.52	0.0	-5.28e-03
88	88	340.00	-561.73	32.91	0.02	328.47	-5.97e-03	0.03
88	88	392.50	-561.73	32.91	0.02	311.21	3.43e-03	0.03
88	88	445.00	-552.25	31.18	0.11	318.96	0.03	0.02
88	88	497.50	-544.55	29.49	0.30	320.46	0.16	6.73e-03
88	88	550.00	-536.78	27.75	0.26	323.12	0.31	-4.77e-03
88	88	600.00	-511.75	26.29	-0.50	257.34	0.06	-0.05
88	88	650.00	-494.20	25.17	-0.24	224.11	-0.04	-0.03
88	88	700.00	-469.63	26.18	0.09	149.59	0.0	1.15e-03
88	98	340.00	-518.26	15.76	0.02	239.79	-5.66e-03	0.03
88	98	392.50	-518.26	15.76	0.02	231.52	6.15e-03	0.03
88	98	445.00	-509.40	15.57	0.10	245.29	0.03	0.02
88	98	497.50	-502.07	15.49	0.28	253.05	0.16	6.95e-03
88	98	550.00	-494.60	15.43	0.24	261.38	0.29	-3.91e-03
88	98	600.00	-471.37	15.42	-0.47	206.79	0.06	-0.04
88	98	650.00	-454.72	15.47	-0.22	180.87	-0.04	-0.03
88	98	700.00	-432.15	18.28	0.08	117.34	0.0	5.20e-04
88	101	340.00	-513.08	15.60	0.03	237.02	-5.72e-03	0.03
88	101	392.50	-513.08	15.60	0.03	228.84	7.91e-03	0.03
88	101	445.00	-504.28	15.42	0.11	242.48	0.04	0.02
88	101	497.50	-496.96	15.33	0.28	250.23	0.16	7.13e-03
88	101	550.00	-489.52	15.28	0.25	258.53	0.30	-3.81e-03
88	101	600.00	-466.67	15.27	-0.48	205.28	0.06	-0.04
88	101	650.00	-450.22	15.31	-0.22	179.97	-0.03	-0.03
88	101	700.00	-427.85	17.62	0.07	117.35	0.0	-2.72e-04
88	104	340.00	-358.18	17.16	0.05	163.85	-5.21e-03	0.03
88	104	392.50	-358.18	17.16	0.05	154.85	0.02	0.03
88	104	445.00	-350.03	16.74	0.11	165.12	0.05	0.02
88	104	497.50	-343.21	16.36	0.23	170.29	0.16	7.44e-03
88	104	550.00	-336.33	15.99	0.21	175.92	0.27	-2.23e-03
88	104	600.00	-319.06	15.69	-0.40	139.80	0.07	-0.04
88	104	650.00	-305.98	15.48	-0.17	121.90	-4.31e-04	-0.02
88	104	700.00	-289.11	16.16	4.22e-03	77.16	0.0	-5.59e-03
88	105	340.00	-495.27	18.85	0.03	239.90	-5.59e-03	0.03
88	105	392.50	-495.27	18.85	0.03	230.01	7.60e-03	0.03
88	105	445.00	-486.44	18.37	0.10	242.17	0.03	0.02
88	105	497.50	-479.13	17.96	0.27	248.41	0.16	6.94e-03
88	105	550.00	-471.72	17.57	0.24	255.30	0.29	-3.75e-03
88	105	600.00	-449.25	17.28	-0.46	202.09	0.06	-0.04
88	105	650.00	-433.09	17.08	-0.21	176.36	-0.03	-0.03
88	105	700.00	-411.26	19.39	0.07	114.46	0.0	-2.85e-04
88	106	340.00	-358.32	13.80	0.05	151.07	-5.21e-03	0.03
88	106	392.50	-358.32	13.80	0.05	143.83	0.02	0.03
88	106	445.00	-350.27	13.68	0.11	155.40	0.05	0.02
88	106	497.50	-343.49	13.62	0.23	161.90	0.16	7.53e-03
88	106	550.00	-336.63	13.58	0.21	168.76	0.27	-2.14e-03
88	106	600.00	-319.48	13.58	-0.40	134.12	0.07	-0.04
88	106	650.00	-306.43	13.59	-0.17	117.34	4.30e-04	-0.02
88	106	700.00	-289.64	14.52	2.46e-03	73.82	0.0	-5.67e-03
88	107	340.00	-495.41	15.48	0.03	227.11	-5.59e-03	0.03
88	107	392.50	-495.41	15.48	0.03	219.00	8.06e-03	0.03
88	107	445.00	-486.67	15.30	0.10	232.45	0.04	0.02
88	107	497.50	-479.41	15.22	0.27	240.03	0.16	7.03e-03
88	107	550.00	-472.03	15.17	0.24	248.15	0.29	-3.66e-03
88	107	600.00	-449.68	15.16	-0.46	196.41	0.06	-0.04
88	107	650.00	-433.53	15.20	-0.21	171.80	-0.03	-0.03
88	107	700.00	-411.79	17.75	0.07	111.12	0.0	-3.64e-04
88	108	340.00	-592.88	-43.83	1.14	237.88	0.27	0.27
88	108	392.50	-592.88	-43.83	1.14	229.26	0.28	0.27
88	108	445.00	-582.68	-44.58	0.75	264.16	0.68	0.20

88	108	497.50	-573.10	-48.34	2.80	293.82	1.63	0.06
88	108	550.00	-564.22	-47.44	1.84	321.68	2.95	-0.05
88	108	600.00	-538.97	-40.53	-2.05	257.91	2.87	-0.22
88	108	650.00	-513.97	-37.18	-1.00	224.37	2.07	-0.16
88	108	700.00	-482.02	-20.37	-3.70	147.93	0.94	-0.10
88	111	340.00	-397.94	74.80	-1.08	216.85	-0.28	-0.22
88	111	392.50	-397.94	74.80	-1.08	208.73	-0.26	-0.21
88	111	445.00	-390.66	75.19	-0.54	200.74	-0.61	-0.15
88	111	497.50	-385.72	78.78	-2.25	186.24	-1.31	-0.05
88	111	550.00	-379.84	77.77	-1.36	174.62	-2.37	0.04
88	111	600.00	-360.38	70.85	1.12	134.91	-2.75	0.13
88	111	650.00	-353.10	67.58	0.57	119.22	-2.13	0.11
88	111	700.00	-341.56	55.87	3.83	74.32	-0.94	0.10
88	120	340.00	-563.58	-10.97	1.13	227.70	0.24	0.24
88	120	392.50	-563.58	-10.97	1.13	219.58	0.25	0.24
88	120	445.00	-553.81	-11.80	0.78	249.08	0.74	0.15
88	120	497.50	-544.06	-13.40	3.13	271.85	1.80	8.11e-03
88	120	550.00	-535.95	-9.27	2.08	290.79	3.12	-0.11
88	120	600.00	-506.59	-9.19	-2.03	227.57	3.01	-0.29
88	120	650.00	-485.30	-6.81	-1.12	198.00	2.30	-0.19
88	120	700.00	-457.55	7.72	-4.04	128.39	1.03	-0.13
88	127	340.00	-444.81	166.17	-0.32	777.36	-0.09	-0.05
88	127	392.50	-444.80	166.17	-0.32	769.24	-0.08	-0.04
88	127	445.00	-433.68	165.00	-0.07	711.79	0.07	-0.06
88	127	497.50	-426.36	164.81	0.06	651.70	0.14	-0.06
88	127	550.00	-418.22	163.16	0.34	594.35	-0.10	-0.04
88	127	600.00	-388.67	159.65	-0.54	460.42	-0.67	-0.07
88	127	650.00	-376.57	156.99	-0.16	390.48	-0.39	-0.04
88	127	700.00	-358.25	137.99	0.61	282.61	-0.14	1.91e-03
88	140	340.00	-605.16	-51.23	1.28	239.10	0.30	0.30
88	140	392.50	-605.15	-51.23	1.28	230.98	0.32	0.30
88	140	445.00	-594.76	-52.06	0.83	268.53	0.76	0.22
88	140	497.50	-584.90	-56.28	3.12	300.92	1.81	0.07
88	140	550.00	-575.82	-55.26	2.04	331.22	3.29	-0.06
88	140	600.00	-550.18	-47.48	-2.25	265.89	3.22	-0.24
88	140	650.00	-524.07	-43.71	-1.10	231.19	2.33	-0.18
88	140	700.00	-490.82	-25.13	-4.17	152.68	1.06	-0.11
88	143	340.00	-385.67	82.20	-1.22	215.13	-0.31	-0.25
88	143	392.50	-385.67	82.20	-1.22	207.02	-0.30	-0.24
88	143	445.00	-378.58	82.66	-0.62	196.37	-0.69	-0.17
88	143	497.50	-373.93	86.72	-2.57	179.14	-1.50	-0.06
88	143	550.00	-368.24	85.60	-1.56	165.08	-2.71	0.05
88	143	600.00	-349.17	77.80	1.32	126.94	-3.10	0.15
88	143	650.00	-343.00	74.11	0.67	112.41	-2.40	0.12
88	143	700.00	-332.77	60.62	4.31	69.56	-1.06	0.11
88	152	340.00	-572.54	-14.18	1.27	229.66	0.27	0.27
88	152	392.50	-572.53	-14.18	1.27	221.54	0.28	0.26
88	152	445.00	-562.62	-15.11	0.86	252.95	0.84	0.17
88	152	497.50	-552.54	-16.90	3.51	277.51	2.01	7.54e-03
88	152	550.00	-544.32	-12.26	2.32	297.71	3.49	-0.12
88	152	600.00	-514.00	-12.16	-2.23	232.69	3.39	-0.32
88	152	650.00	-492.02	-9.49	-1.23	202.28	2.60	-0.22
88	152	700.00	-463.43	6.52	-4.58	131.21	1.16	-0.14
88	159	340.00	-438.56	184.99	-0.36	846.16	-0.11	-0.05
88	159	392.50	-438.56	184.99	-0.36	838.04	-0.09	-0.05
88	159	445.00	-427.14	183.71	-0.10	771.77	0.07	-0.07
88	159	497.50	-419.82	183.50	0.03	703.23	0.13	-0.07
88	159	550.00	-411.58	181.66	0.35	637.72	-0.15	-0.04
88	159	600.00	-381.12	177.71	-0.55	493.48	-0.76	-0.07
88	159	650.00	-369.53	174.71	-0.15	417.85	-0.44	-0.04
88	159	700.00	-351.63	153.03	0.68	304.10	-0.15	2.11e-03
88	172	340.00	-604.02	-49.26	1.27	245.69	0.30	0.30
88	172	392.50	-604.02	-49.26	1.27	237.57	0.31	0.29
88	172	445.00	-593.60	-50.16	0.83	274.33	0.76	0.21
88	172	497.50	-583.77	-54.29	3.12	305.88	1.81	0.06
88	172	550.00	-574.72	-53.32	2.04	335.28	3.28	-0.06
88	172	600.00	-548.61	-45.79	-2.23	269.09	3.21	-0.24
88	172	650.00	-522.57	-42.08	-1.09	233.85	2.33	-0.18
88	172	700.00	-489.17	-24.10	-4.18	154.25	1.06	-0.11
88	175	340.00	-386.81	80.22	-1.22	208.54	-0.31	-0.24
88	175	392.50	-386.81	80.22	-1.22	200.43	-0.30	-0.23
88	175	445.00	-379.74	80.77	-0.62	190.58	-0.69	-0.17
88	175	497.50	-375.05	84.73	-2.57	174.18	-1.49	-0.05
88	175	550.00	-369.34	83.65	-1.56	161.02	-2.70	0.05
88	175	600.00	-350.74	76.10	1.30	123.73	-3.09	0.15

88	175	650.00	-344.50	72.48	0.66	109.75	-2.40	0.12
88	175	700.00	-334.42	59.59	4.31	68.00	-1.06	0.11
88	184	340.00	-574.73	-12.94	1.28	244.99	0.27	0.27
88	184	392.50	-574.73	-12.94	1.28	236.87	0.28	0.26
88	184	445.00	-564.70	-13.95	0.86	267.15	0.84	0.17
88	184	497.50	-554.52	-15.73	3.60	290.61	2.04	9.61e-04
88	184	550.00	-546.13	-11.34	2.38	309.83	3.57	-0.13
88	184	600.00	-515.28	-11.24	-2.24	242.02	3.48	-0.32
88	184	650.00	-493.04	-8.64	-1.26	209.98	2.68	-0.22
88	184	700.00	-463.84	7.05	-4.73	136.22	1.20	-0.15
88	191	340.00	-439.81	182.50	-0.37	837.07	-0.11	-0.05
88	191	392.50	-439.81	182.50	-0.37	828.95	-0.09	-0.05
88	191	445.00	-428.51	181.29	-0.10	764.05	0.06	-0.06
88	191	497.50	-421.17	181.08	0.05	696.61	0.13	-0.07
88	191	550.00	-412.92	179.28	0.36	632.21	-0.15	-0.04
88	191	600.00	-382.64	175.43	-0.54	489.20	-0.75	-0.07
88	191	650.00	-370.93	172.46	-0.15	414.26	-0.43	-0.04
88	191	700.00	-352.99	151.22	0.67	301.43	-0.15	1.64e-03
88	204	340.00	-622.45	-59.28	1.48	253.41	0.35	0.34
88	204	392.50	-622.45	-59.28	1.48	245.30	0.37	0.34
88	204	445.00	-611.74	-60.35	0.95	285.67	0.88	0.24
88	204	497.50	-601.45	-65.14	3.62	320.90	2.09	0.07
88	204	550.00	-592.10	-64.01	2.35	353.44	3.80	-0.07
88	204	600.00	-565.08	-55.30	-2.53	284.03	3.77	-0.28
88	204	650.00	-537.35	-50.99	-1.25	246.55	2.75	-0.20
88	204	700.00	-501.84	-30.67	-4.92	162.93	1.25	-0.13
88	207	340.00	-368.37	90.24	-1.43	200.82	-0.36	-0.28
88	207	392.50	-368.37	90.24	-1.43	192.70	-0.35	-0.27
88	207	445.00	-361.60	90.95	-0.74	179.23	-0.81	-0.20
88	207	497.50	-357.37	95.58	-3.07	159.16	-1.78	-0.06
88	207	550.00	-351.96	94.34	-1.88	142.85	-3.22	0.06
88	207	600.00	-334.27	85.62	1.60	108.79	-3.64	0.19
88	207	650.00	-329.72	81.39	0.82	97.05	-2.81	0.15
88	207	700.00	-321.75	66.16	5.06	59.32	-1.25	0.13
88	216	340.00	-591.23	-16.82	1.53	260.73	0.32	0.31
88	216	392.50	-591.23	-16.82	1.53	252.62	0.34	0.30
88	216	445.00	-580.86	-18.04	1.01	285.14	1.00	0.19
88	216	497.50	-570.08	-20.15	4.28	310.72	2.42	-3.17e-03
88	216	550.00	-561.40	-15.04	2.82	331.14	4.23	-0.15
88	216	600.00	-528.55	-14.93	-2.58	258.07	4.17	-0.38
88	216	650.00	-505.00	-11.88	-1.47	223.37	3.24	-0.26
88	216	700.00	-474.02	6.08	-5.72	145.25	1.45	-0.18
88	223	340.00	-431.00	209.71	-0.45	937.02	-0.13	-0.06
88	223	392.50	-431.00	209.71	-0.45	928.90	-0.11	-0.06
88	223	445.00	-419.27	208.35	-0.15	851.20	0.06	-0.07
88	223	497.50	-411.94	208.12	0.01	771.58	0.11	-0.08
88	223	550.00	-403.58	206.03	0.39	695.45	-0.23	-0.05
88	223	600.00	-372.01	201.57	-0.54	537.43	-0.89	-0.08
88	223	650.00	-361.01	198.12	-0.13	454.23	-0.50	-0.04
88	223	700.00	-343.71	173.05	0.76	333.02	-0.17	1.53e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-898.09	-65.14	-5.72	59.32	-3.64	-0.38
	-265.30	209.71	5.06	937.02	4.23	0.34

Macro	Tipo	Angolo 1-Z (gradi)
89	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
89	4	340.00	-633.36	-62.80	-0.30	327.04	8.23e-03	-0.02
89	4	392.50	-633.36	-62.80	-0.30	359.99	-0.15	-0.02
89	4	445.00	-629.15	-61.68	0.02	321.38	-0.22	-0.01
89	4	497.50	-627.26	-60.24	0.37	291.59	-0.08	-7.75e-04
89	4	550.00	-625.06	-58.68	0.42	262.64	0.12	3.03e-03
89	4	600.00	-622.17	-57.13	-0.12	237.06	0.08	0.02
89	4	650.00	-620.55	-55.08	-0.60	204.74	-0.06	0.02
89	4	700.00	-612.21	-40.33	0.17	213.91	0.0	-0.03
89	18	340.00	-557.10	-69.07	-0.27	262.98	7.89e-03	-0.01
89	18	392.50	-557.10	-69.07	-0.27	299.22	-0.13	-0.02
89	18	445.00	-552.61	-67.10	0.02	266.25	-0.19	-0.01
89	18	497.50	-550.28	-64.72	0.33	242.77	-0.07	-3.70e-04

89	18	550.00	-547.67	-62.16	0.37	219.85	0.12	2.96e-03
89	18	600.00	-544.51	-59.77	-0.11	199.63	0.08	0.02
89	18	650.00	-542.53	-57.10	-0.53	173.20	-0.05	0.02
89	18	700.00	-534.57	-43.07	0.13	184.56	0.0	-0.02
89	19	340.00	-232.71	-47.82	-0.11	89.54	4.97e-03	-5.85e-03
89	19	392.50	-232.71	-47.82	-0.11	114.64	-0.05	-7.64e-03
89	19	445.00	-228.03	-45.79	0.01	100.46	-0.07	-4.82e-03
89	19	497.50	-224.65	-43.42	0.14	93.28	-0.02	4.36e-04
89	19	550.00	-221.18	-40.90	0.15	86.09	0.06	1.77e-03
89	19	600.00	-217.57	-38.64	-0.04	79.74	0.05	7.40e-03
89	19	650.00	-214.54	-36.46	-0.22	70.50	-2.65e-03	6.38e-03
89	19	700.00	-209.42	-29.59	0.02	79.15	0.0	-0.01
89	28	340.00	-652.73	-31.62	-0.30	388.46	8.30e-03	-0.02
89	28	392.50	-652.73	-31.62	-0.30	405.05	-0.15	-0.02
89	28	445.00	-647.25	-32.33	3.91e-03	362.36	-0.23	-0.01
89	28	497.50	-644.23	-33.01	0.35	325.70	-0.10	-1.05e-03
89	28	550.00	-640.88	-33.71	0.41	290.15	0.10	2.62e-03
89	28	600.00	-636.90	-34.15	-0.10	258.46	0.06	0.02
89	28	650.00	-633.90	-33.87	-0.54	221.02	-0.06	0.02
89	28	700.00	-625.12	-22.50	0.17	222.45	0.0	-0.03
89	68	340.00	-446.89	-44.01	-0.21	232.98	6.12e-03	-0.01
89	68	392.50	-446.89	-44.01	-0.21	256.07	-0.11	-0.01
89	68	445.00	-443.26	-43.27	0.01	228.42	-0.16	-0.01
89	68	497.50	-441.36	-42.31	0.26	207.20	-0.06	-5.12e-04
89	68	550.00	-439.23	-41.27	0.29	186.57	0.08	2.14e-03
89	68	600.00	-436.65	-40.23	-0.08	168.31	0.05	0.01
89	68	650.00	-434.95	-38.84	-0.41	145.38	-0.04	0.01
89	68	700.00	-428.69	-28.65	0.11	151.74	0.0	-0.02
89	72	340.00	-254.12	-39.68	-0.12	114.16	5.11e-03	-6.42e-03
89	72	392.50	-254.12	-39.68	-0.12	134.99	-0.06	-8.13e-03
89	72	445.00	-249.19	-38.35	9.26e-03	118.91	-0.08	-5.33e-03
89	72	497.50	-245.62	-36.77	0.15	109.09	-0.03	2.04e-04
89	72	550.00	-241.96	-35.08	0.16	99.38	0.05	1.60e-03
89	72	600.00	-238.13	-33.54	-0.04	90.78	0.04	7.57e-03
89	72	650.00	-234.85	-31.97	-0.22	79.40	-6.23e-03	6.72e-03
89	72	700.00	-229.50	-25.64	0.03	86.26	0.0	-0.01
89	75	340.00	-396.04	-48.19	-0.19	190.27	5.89e-03	-9.75e-03
89	75	392.50	-396.04	-48.19	-0.19	215.56	-0.09	-0.01
89	75	445.00	-392.23	-46.88	0.01	191.67	-0.14	-8.83e-03
89	75	497.50	-390.03	-45.29	0.23	174.65	-0.05	-2.42e-04
89	75	550.00	-387.64	-43.59	0.26	158.04	0.08	2.08e-03
89	75	600.00	-384.87	-41.99	-0.07	143.36	0.05	0.01
89	75	650.00	-382.93	-40.18	-0.37	124.35	-0.03	0.01
89	75	700.00	-376.93	-30.47	0.09	132.17	0.0	-0.02
89	80	340.00	-459.80	-23.22	-0.21	273.93	6.17e-03	-0.01
89	80	392.50	-459.80	-23.22	-0.21	286.11	-0.11	-0.01
89	80	445.00	-455.33	-23.70	2.45e-03	255.74	-0.16	-0.01
89	80	497.50	-452.67	-24.15	0.25	229.94	-0.07	-6.94e-04
89	80	550.00	-449.78	-24.62	0.29	204.91	0.07	1.86e-03
89	80	600.00	-446.47	-24.91	-0.07	182.58	0.04	0.01
89	80	650.00	-443.85	-24.70	-0.38	156.24	-0.04	0.01
89	80	700.00	-437.31	-16.76	0.11	157.43	0.0	-0.02
89	98	340.00	-373.48	-28.71	-0.18	216.12	5.66e-03	-9.62e-03
89	98	392.50	-373.48	-28.71	-0.18	231.18	-0.09	-0.01
89	98	445.00	-368.93	-28.79	3.69e-03	206.19	-0.13	-8.52e-03
89	98	497.50	-366.01	-28.77	0.21	186.28	-0.05	-4.51e-04
89	98	550.00	-362.91	-28.74	0.24	166.97	0.06	1.69e-03
89	98	600.00	-359.49	-28.61	-0.06	149.79	0.04	0.01
89	98	650.00	-356.71	-28.09	-0.32	129.07	-0.03	0.01
89	98	700.00	-350.75	-20.76	0.09	132.24	0.0	-0.02
89	102	340.00	-262.75	-24.99	-0.12	141.84	5.19e-03	-6.73e-03
89	102	392.50	-262.75	-24.99	-0.12	154.95	-0.06	-8.09e-03
89	102	445.00	-257.26	-24.77	2.25e-03	137.12	-0.08	-5.54e-03
89	102	497.50	-253.19	-24.44	0.14	124.18	-0.03	-9.89e-05
89	102	550.00	-249.01	-24.09	0.15	111.53	0.04	1.24e-03
89	102	600.00	-244.69	-23.72	-0.03	100.25	0.03	6.98e-03
89	102	650.00	-240.79	-23.16	-0.19	86.66	-8.35e-03	6.39e-03
89	102	700.00	-235.23	-18.28	0.03	90.32	0.0	-9.68e-03
89	103	340.00	-355.81	-31.33	-0.17	199.57	5.57e-03	-9.14e-03
89	103	392.50	-355.81	-31.33	-0.17	216.01	-0.08	-0.01
89	103	445.00	-351.24	-31.13	4.98e-03	192.42	-0.12	-8.05e-03
89	103	497.50	-348.27	-30.79	0.20	174.18	-0.05	-3.36e-04
89	103	550.00	-345.13	-30.43	0.23	156.45	0.06	1.70e-03
89	103	600.00	-341.69	-30.02	-0.05	140.68	0.04	0.01
89	103	650.00	-338.88	-29.28	-0.31	121.46	-0.03	0.01

89	103	700.00	-333.02	-21.99	0.08	125.38	0.0	-0.02
89	106	340.00	-264.91	-21.32	-0.12	148.76	5.21e-03	-6.80e-03
89	106	392.50	-264.91	-21.32	-0.12	159.95	-0.06	-8.08e-03
89	106	445.00	-259.28	-21.38	5.01e-04	141.67	-0.09	-5.59e-03
89	106	497.50	-255.08	-21.36	0.13	127.95	-0.03	-1.75e-04
89	106	550.00	-250.77	-21.34	0.15	114.57	0.04	1.14e-03
89	106	600.00	-246.33	-21.26	-0.03	102.61	0.03	6.83e-03
89	106	650.00	-242.28	-20.95	-0.18	88.48	-8.88e-03	6.31e-03
89	106	700.00	-236.67	-16.44	0.03	91.33	0.0	-9.49e-03
89	107	340.00	-357.97	-27.66	-0.17	206.49	5.59e-03	-9.22e-03
89	107	392.50	-357.97	-27.66	-0.17	221.00	-0.08	-0.01
89	107	445.00	-353.26	-27.73	3.23e-03	196.97	-0.13	-8.10e-03
89	107	497.50	-350.16	-27.71	0.20	177.95	-0.05	-4.12e-04
89	107	550.00	-346.89	-27.68	0.22	159.48	0.06	1.61e-03
89	107	600.00	-343.33	-27.56	-0.05	143.05	0.04	0.01
89	107	650.00	-340.37	-27.07	-0.30	123.27	-0.03	0.01
89	107	700.00	-334.45	-20.15	0.08	126.40	0.0	-0.01
89	108	340.00	-361.80	-51.33	-0.21	117.96	-0.04	-0.15
89	108	392.50	-361.80	-51.33	-0.21	132.47	-0.13	-0.15
89	108	445.00	-357.83	-49.16	-0.29	103.90	-0.30	-0.06
89	108	497.50	-352.55	-49.28	2.79	90.06	0.35	0.07
89	108	550.00	-348.65	-53.23	2.38	73.70	1.66	0.13
89	108	600.00	-342.44	-52.59	-0.06	67.31	2.24	0.18
89	108	650.00	-337.43	-55.19	-0.36	58.17	2.19	0.14
89	108	700.00	-330.17	-53.59	-4.36	70.41	1.11	0.10
89	129	340.00	-481.59	135.14	0.99	522.31	0.41	-5.78e-03
89	129	392.50	-481.59	135.14	0.99	536.82	0.32	-0.01
89	129	445.00	-469.69	136.39	0.94	474.11	0.94	-0.05
89	129	497.50	-459.72	135.34	1.18e-03	414.78	1.29	-0.06
89	129	550.00	-450.17	133.59	-0.34	352.64	1.38	-0.06
89	129	600.00	-441.65	131.65	-0.37	291.24	1.13	-0.04
89	129	650.00	-431.58	128.84	-0.78	220.95	0.74	-0.03
89	129	700.00	-420.82	108.47	-1.13	172.14	0.30	-0.04
89	130	340.00	-234.34	-190.45	-1.33	-109.32	-0.39	-0.01
89	130	392.50	-234.34	-190.45	-1.33	-94.81	-0.48	-0.01
89	130	445.00	-236.84	-191.85	-0.93	-80.17	-1.19	0.03
89	130	497.50	-240.61	-190.77	0.39	-58.88	-1.40	0.06
89	130	550.00	-243.62	-188.96	0.79	-33.67	-1.27	0.06
89	130	600.00	-245.00	-186.77	0.27	-5.14	-1.05	0.06
89	130	650.00	-249.15	-182.99	0.18	25.60	-0.80	0.05
89	130	700.00	-248.09	-148.77	1.29	80.66	-0.30	8.42e-03
89	140	340.00	-362.31	-54.26	-0.22	106.85	-0.04	-0.17
89	140	392.50	-362.31	-54.26	-0.22	121.36	-0.13	-0.17
89	140	445.00	-358.41	-51.81	-0.33	92.25	-0.32	-0.07
89	140	497.50	-352.85	-51.95	3.12	79.05	0.40	0.07
89	140	550.00	-348.86	-56.40	2.65	62.99	1.87	0.14
89	140	600.00	-342.33	-55.70	-0.06	57.85	2.52	0.20
89	140	650.00	-337.06	-58.68	-0.37	50.03	2.47	0.16
89	140	700.00	-329.63	-57.76	-4.91	63.40	1.25	0.12
89	161	340.00	-497.04	155.53	1.14	561.77	0.46	-5.56e-03
89	161	392.50	-497.04	155.53	1.14	576.28	0.37	-0.01
89	161	445.00	-484.24	156.94	1.06	508.74	1.07	-0.05
89	161	497.50	-473.41	155.76	-0.03	444.34	1.46	-0.06
89	161	550.00	-463.08	153.79	-0.41	376.72	1.55	-0.06
89	161	600.00	-453.94	151.60	-0.41	309.69	1.26	-0.04
89	161	650.00	-442.99	148.37	-0.84	233.09	0.84	-0.04
89	161	700.00	-431.63	124.58	-1.28	177.78	0.34	-0.04
89	162	340.00	-218.89	-210.84	-1.47	-148.78	-0.44	-0.01
89	162	392.50	-218.89	-210.84	-1.47	-134.27	-0.53	-0.01
89	162	445.00	-222.28	-212.40	-1.05	-114.80	-1.33	0.04
89	162	497.50	-226.92	-211.19	0.42	-88.44	-1.56	0.06
89	162	550.00	-230.71	-209.16	0.86	-57.75	-1.43	0.07
89	162	600.00	-232.71	-206.72	0.31	-23.60	-1.19	0.06
89	162	650.00	-237.74	-202.52	0.24	13.45	-0.89	0.06
89	162	700.00	-237.28	-164.87	1.44	75.02	-0.34	0.01
89	172	340.00	-361.66	-54.01	-0.18	108.45	-0.03	-0.17
89	172	392.50	-361.66	-54.01	-0.18	122.96	-0.12	-0.16
89	172	445.00	-357.68	-51.71	-0.29	94.10	-0.29	-0.07
89	172	497.50	-352.28	-51.84	2.99	80.73	0.42	0.07
89	172	550.00	-348.31	-56.12	2.56	64.82	1.83	0.13
89	172	600.00	-341.93	-55.41	-0.09	59.38	2.44	0.19
89	172	650.00	-336.79	-58.22	-0.37	51.21	2.38	0.15
89	172	700.00	-329.46	-57.01	-4.74	64.47	1.21	0.11
89	193	340.00	-495.18	153.46	1.11	557.49	0.45	-7.44e-03
89	193	392.50	-495.18	153.46	1.11	572.00	0.36	-0.01

89	193	445.00	-482.52	154.88	1.04	504.98	1.05	-0.05
89	193	497.50	-471.78	153.72	-0.04	440.96	1.42	-0.06
89	193	550.00	-461.56	151.79	-0.41	373.84	1.50	-0.06
89	193	600.00	-452.52	149.62	-0.41	307.35	1.21	-0.04
89	193	650.00	-441.76	146.45	-0.81	231.43	0.80	-0.04
89	193	700.00	-430.50	122.94	-1.22	176.74	0.32	-0.04
89	194	340.00	-220.76	-208.77	-1.45	-144.50	-0.43	-0.01
89	194	392.50	-220.76	-208.77	-1.45	-129.99	-0.52	-9.05e-03
89	194	445.00	-224.01	-210.34	-1.03	-111.05	-1.30	0.04
89	194	497.50	-228.55	-209.15	0.44	-85.06	-1.52	0.06
89	194	550.00	-232.23	-207.15	0.86	-54.87	-1.38	0.07
89	194	600.00	-234.13	-204.74	0.30	-21.25	-1.14	0.06
89	194	650.00	-238.97	-200.59	0.21	15.11	-0.86	0.06
89	194	700.00	-238.40	-163.23	1.38	76.06	-0.32	0.01
89	204	340.00	-362.04	-58.30	-0.16	92.94	-0.03	-0.19
89	204	392.50	-362.04	-58.30	-0.16	107.45	-0.12	-0.19
89	204	445.00	-358.24	-55.64	-0.32	77.68	-0.30	-0.08
89	204	497.50	-352.52	-55.78	3.41	65.07	0.51	0.08
89	204	550.00	-348.48	-60.72	2.91	49.48	2.11	0.15
89	204	600.00	-341.68	-59.91	-0.11	45.74	2.82	0.21
89	204	650.00	-336.23	-63.22	-0.38	39.32	2.76	0.17
89	204	700.00	-328.69	-62.88	-5.49	54.18	1.39	0.12
89	225	340.00	-518.12	183.58	1.33	615.34	0.52	-9.03e-03
89	225	392.50	-518.12	183.58	1.33	629.85	0.43	-0.02
89	225	445.00	-504.11	185.25	1.21	555.69	1.24	-0.06
89	225	497.50	-492.10	183.90	-0.08	484.16	1.66	-0.07
89	225	550.00	-480.72	181.64	-0.51	408.92	1.73	-0.08
89	225	600.00	-470.77	179.09	-0.47	334.12	1.40	-0.05
89	225	650.00	-458.71	175.31	-0.88	248.85	0.93	-0.04
89	225	700.00	-446.58	146.70	-1.43	184.57	0.38	-0.05
89	226	340.00	-197.82	-238.89	-1.67	-202.35	-0.51	-9.41e-03
89	226	392.50	-197.82	-238.89	-1.67	-187.84	-0.59	-6.78e-03
89	226	445.00	-202.41	-240.71	-1.20	-161.76	-1.49	0.04
89	226	497.50	-208.23	-239.33	0.48	-128.26	-1.76	0.07
89	226	550.00	-213.07	-237.00	0.96	-89.95	-1.61	0.08
89	226	600.00	-215.88	-234.21	0.37	-48.02	-1.33	0.07
89	226	650.00	-222.02	-229.45	0.29	-2.31	-0.99	0.06
89	226	700.00	-222.33	-186.99	1.59	68.23	-0.38	0.02

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-652.73	-240.71	-5.49	-202.35	-1.76	-0.19
	-197.82	185.25	3.41	629.85	2.82	0.21

Macro	Tipo	Angolo 1-Z (gradi)
90	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
90	4	340.00	-359.87	-36.17	-0.21	118.72	3.37e-03	-6.70e-03
90	4	392.50	-359.87	-36.17	-0.21	137.70	-0.10	0.02
90	4	445.00	-357.70	-35.81	-0.02	113.67	-0.15	-3.32e-03
90	4	497.50	-355.53	-35.30	-0.13	93.12	-0.23	-0.02
90	4	550.00	-352.93	-34.62	0.05	72.88	-0.24	-0.02
90	4	600.00	-349.66	-33.97	0.14	55.36	-0.23	-8.27e-03
90	4	650.00	-347.35	-33.22	0.90	33.40	-0.03	-0.01
90	4	700.00	-340.79	-26.99	-7.21e-03	41.53	0.0	0.07
90	18	340.00	-317.16	-43.57	-0.53	78.25	3.11e-03	-0.01
90	18	392.50	-317.16	-43.57	-0.53	101.11	-0.28	0.03
90	18	445.00	-315.01	-42.88	-0.23	82.89	-0.47	-3.63e-04
90	18	497.50	-312.75	-41.99	-0.17	68.07	-0.61	-0.02
90	18	550.00	-310.05	-40.87	0.14	53.25	-0.61	-0.02
90	18	600.00	-306.74	-39.84	0.33	40.39	-0.52	-0.01
90	18	650.00	-304.33	-38.78	1.12	23.19	-0.21	-0.02
90	18	700.00	-297.96	-31.83	0.35	33.98	0.0	0.07
90	19	340.00	-137.91	-33.93	-0.64	5.81	1.72e-03	-0.01
90	19	392.50	-137.91	-33.93	-0.64	23.62	-0.33	0.03
90	19	445.00	-135.46	-33.20	-0.34	19.18	-0.59	4.08e-03
90	19	497.50	-132.85	-32.27	-0.16	16.47	-0.75	-8.55e-03
90	19	550.00	-129.97	-31.18	0.15	13.32	-0.74	-0.01
90	19	600.00	-126.84	-30.19	0.38	10.48	-0.62	-9.27e-03
90	19	650.00	-124.19	-29.22	0.88	5.36	-0.33	-0.01
90	19	700.00	-119.91	-24.60	0.62	14.45	0.0	0.04

90	28	340.00	-375.42	-8.06	0.47	186.26	3.56e-03	0.01
90	28	392.50	-375.42	-8.06	0.47	190.49	0.25	-6.31e-03
90	28	445.00	-371.84	-8.38	0.39	160.00	0.51	-6.21e-03
90	28	497.50	-368.51	-8.75	-0.07	131.41	0.55	-0.02
90	28	550.00	-364.86	-9.04	-0.16	103.54	0.50	-0.01
90	28	600.00	-360.67	-9.26	-0.30	79.24	0.35	-3.97e-03
90	28	650.00	-357.24	-9.33	0.20	51.76	0.27	-2.99e-03
90	28	700.00	-350.60	-6.72	-0.59	50.94	0.0	0.05
90	68	340.00	-255.44	-25.23	-0.12	85.84	2.46e-03	-3.52e-03
90	68	392.50	-255.44	-25.23	-0.12	99.08	-0.06	0.01
90	68	445.00	-253.47	-24.99	-3.31e-03	82.07	-0.08	-2.01e-03
90	68	497.50	-251.50	-24.67	-0.10	67.39	-0.14	-0.01
90	68	550.00	-249.22	-24.21	0.02	52.91	-0.15	-0.01
90	68	600.00	-246.50	-23.77	0.08	40.34	-0.15	-6.18e-03
90	68	650.00	-244.45	-23.26	0.61	24.73	-0.02	-9.22e-03
90	68	700.00	-239.53	-18.94	-4.17e-03	30.35	0.0	0.05
90	72	340.00	-150.79	-26.51	-0.37	27.33	1.81e-03	-7.12e-03
90	72	392.50	-150.79	-26.51	-0.37	41.24	-0.20	0.02
90	72	445.00	-148.02	-26.04	-0.19	34.34	-0.34	2.61e-03
90	72	497.50	-145.15	-25.44	-0.14	28.83	-0.45	-9.35e-03
90	72	550.00	-142.04	-24.71	0.07	23.07	-0.46	-9.75e-03
90	72	600.00	-138.72	-24.03	0.22	17.98	-0.40	-7.76e-03
90	72	650.00	-135.84	-23.35	0.64	10.88	-0.21	-9.86e-03
90	72	700.00	-131.47	-19.58	0.38	17.74	0.0	0.03
90	75	340.00	-226.97	-30.16	-0.34	58.86	2.29e-03	-8.45e-03
90	75	392.50	-226.97	-30.16	-0.34	74.68	-0.18	0.02
90	75	445.00	-225.01	-29.71	-0.14	61.55	-0.30	-3.77e-05
90	75	497.50	-222.98	-29.12	-0.12	50.69	-0.40	-0.01
90	75	550.00	-220.64	-28.38	0.08	39.82	-0.40	-0.01
90	75	600.00	-217.89	-27.69	0.21	30.37	-0.35	-7.47e-03
90	75	650.00	-215.77	-26.96	0.76	17.92	-0.14	-0.01
90	75	700.00	-210.97	-22.17	0.23	25.32	0.0	0.05
90	80	340.00	-265.81	-6.49	0.33	130.87	2.59e-03	9.42e-03
90	80	392.50	-265.81	-6.49	0.33	134.27	0.18	-3.45e-03
90	80	445.00	-262.90	-6.71	0.27	112.96	0.36	-3.93e-03
90	80	497.50	-260.15	-6.96	-0.06	92.91	0.38	-0.02
90	80	550.00	-257.18	-7.16	-0.12	73.35	0.34	-0.01
90	80	600.00	-253.84	-7.30	-0.21	56.27	0.24	-3.31e-03
90	80	650.00	-251.04	-7.33	0.15	36.97	0.18	-2.31e-03
90	80	700.00	-246.06	-5.43	-0.40	36.63	0.0	0.04
90	98	340.00	-217.80	-13.95	0.17	92.77	2.22e-03	5.30e-03
90	98	392.50	-217.80	-13.95	0.17	100.09	0.09	2.61e-03
90	98	445.00	-214.95	-14.02	0.16	83.91	0.20	-2.15e-03
90	98	497.50	-212.17	-14.07	-0.08	69.17	0.18	-0.01
90	98	550.00	-209.18	-14.05	-0.08	54.72	0.15	-0.01
90	98	600.00	-205.89	-14.01	-0.11	42.13	0.08	-4.55e-03
90	98	650.00	-203.12	-13.87	0.25	27.43	0.08	-4.38e-03
90	98	700.00	-198.46	-11.33	-0.20	29.83	0.0	0.04
90	102	340.00	-157.66	-13.89	0.04	57.13	1.86e-03	3.77e-03
90	102	392.50	-157.66	-13.89	0.04	64.42	0.02	8.20e-03
90	102	445.00	-154.25	-13.83	0.06	54.60	0.06	6.83e-04
90	102	497.50	-150.85	-13.75	-0.10	45.47	0.02	-9.97e-03
90	102	550.00	-147.27	-13.60	-0.05	36.35	-0.01	-8.94e-03
90	102	600.00	-143.54	-13.43	-0.04	28.34	-0.05	-5.38e-03
90	102	650.00	-140.18	-13.21	0.24	18.93	-0.03	-4.50e-03
90	102	700.00	-135.77	-10.99	0.02	22.02	0.0	0.03
90	103	340.00	-207.74	-16.65	0.06	81.29	2.16e-03	2.75e-03
90	103	392.50	-207.74	-16.65	0.06	90.02	0.03	6.47e-03
90	103	445.00	-204.94	-16.61	0.09	75.39	0.09	-1.33e-03
90	103	497.50	-202.19	-16.53	-0.09	62.22	0.06	-0.01
90	103	550.00	-199.22	-16.37	-0.04	49.25	0.03	-0.01
90	103	600.00	-195.95	-16.20	-0.04	37.94	-0.01	-5.18e-03
90	103	650.00	-193.20	-15.95	0.34	24.49	0.03	-5.55e-03
90	103	700.00	-188.58	-13.12	-0.09	27.79	0.0	0.04
90	106	340.00	-159.38	-10.73	0.14	64.58	1.88e-03	6.50e-03
90	106	392.50	-159.38	-10.73	0.14	70.21	0.07	4.63e-03
90	106	445.00	-155.80	-10.78	0.12	59.66	0.16	2.01e-04
90	106	497.50	-152.27	-10.83	-0.09	49.62	0.14	-0.01
90	106	550.00	-148.58	-10.82	-0.08	39.67	0.10	-8.73e-03
90	106	600.00	-144.74	-10.78	-0.11	30.93	0.04	-4.79e-03
90	106	650.00	-141.26	-10.68	0.14	20.94	0.02	-3.16e-03
90	106	700.00	-136.84	-8.85	-0.07	23.09	0.0	0.02
90	107	340.00	-209.46	-13.49	0.16	88.74	2.17e-03	5.47e-03
90	107	392.50	-209.46	-13.49	0.16	95.82	0.09	2.90e-03
90	107	445.00	-206.50	-13.55	0.15	80.45	0.19	-1.82e-03

90	107	497.50	-203.62	-13.61	-0.08	66.38	0.18	-0.01
90	107	550.00	-200.52	-13.59	-0.08	52.57	0.14	-0.01
90	107	600.00	-197.15	-13.55	-0.11	40.53	0.08	-4.58e-03
90	107	650.00	-194.28	-13.41	0.24	26.51	0.07	-4.21e-03
90	107	700.00	-189.66	-10.97	-0.18	28.87	0.0	0.03
90	114	340.00	-270.59	-31.20	-0.17	-113.79	-0.05	0.16
90	114	392.50	-270.59	-31.20	-0.17	-106.71	0.04	0.15
90	114	445.00	-266.74	-37.39	-5.54e-03	-72.88	0.03	0.07
90	114	497.50	-286.80	-38.46	-2.84	10.25	-0.68	-0.07
90	114	550.00	-265.99	-38.79	-1.99	-12.09	-1.86	-0.13
90	114	600.00	-224.61	-38.08	0.08	41.21	-2.42	-0.18
90	114	650.00	-218.61	-35.06	0.97	23.95	-2.16	-0.17
90	114	700.00	-211.28	-48.23	3.97	6.94	-1.04	-0.06
90	116	340.00	-61.82	-124.23	0.26	-11.30	8.10e-03	-0.13
90	116	392.50	-61.82	-124.23	0.26	-4.22	0.09	-0.13
90	116	445.00	-69.01	-123.15	0.08	-22.09	0.25	-0.09
90	116	497.50	-116.40	-121.41	1.83	-156.17	0.74	3.20e-03
90	116	550.00	-118.03	-119.69	1.24	-129.35	1.61	0.07
90	116	600.00	-127.34	-118.63	-0.31	-77.49	1.85	0.13
90	116	650.00	-130.18	-118.31	-0.04	-45.16	1.74	0.13
90	116	700.00	-131.00	-94.29	-3.31	4.40	0.78	0.14
90	119	340.00	-357.09	97.24	0.07	188.78	-3.76e-03	0.14
90	119	392.50	-357.09	97.24	0.07	195.86	0.08	0.14
90	119	445.00	-343.99	96.04	0.23	182.99	0.13	0.08
90	119	497.50	-290.84	94.19	-1.99	288.93	-0.39	-0.03
90	119	550.00	-283.02	92.51	-1.39	234.48	-1.33	-0.09
90	119	600.00	-266.96	91.54	0.09	158.54	-1.70	-0.14
90	119	650.00	-258.39	91.49	0.51	98.17	-1.60	-0.13
90	119	700.00	-248.31	72.35	2.95	53.33	-0.78	-0.07
90	136	340.00	-95.05	-204.57	0.89	-303.20	0.20	-5.91e-03
90	136	392.50	-95.05	-204.57	0.89	-296.12	0.29	-8.25e-03
90	136	445.00	-103.92	-204.73	0.66	-244.04	0.82	-0.04
90	136	497.50	-117.36	-203.34	-0.44	-248.99	0.95	-0.06
90	136	550.00	-116.35	-201.49	-0.58	-203.28	0.97	-0.06
90	136	600.00	-118.48	-199.67	-0.62	-155.29	0.63	-0.04
90	136	650.00	-115.75	-197.31	0.02	-111.09	0.47	-0.03
90	136	700.00	-113.98	-163.57	-0.67	-48.77	0.12	0.06
90	146	340.00	-278.30	-33.40	-0.21	-138.96	-0.05	0.18
90	146	392.50	-278.30	-33.40	-0.21	-131.89	0.03	0.17
90	146	445.00	-274.34	-40.34	-0.03	-91.98	6.84e-03	0.08
90	146	497.50	-297.27	-41.53	-3.19	3.28	-0.79	-0.08
90	146	550.00	-274.25	-41.91	-2.23	-20.17	-2.11	-0.15
90	146	600.00	-228.10	-41.12	0.11	41.32	-2.74	-0.21
90	146	650.00	-221.71	-37.73	1.06	23.64	-2.44	-0.19
90	146	700.00	-214.03	-52.87	4.49	4.18	-1.17	-0.07
90	148	340.00	-43.17	-138.29	0.28	-24.61	0.01	-0.15
90	148	392.50	-43.17	-138.29	0.28	-17.53	0.10	-0.15
90	148	445.00	-51.63	-137.11	0.08	-35.39	0.26	-0.10
90	148	497.50	-105.14	-135.15	2.06	-183.77	0.81	4.52e-03
90	148	550.00	-107.43	-133.21	1.39	-152.17	1.79	0.08
90	148	600.00	-118.35	-132.03	-0.34	-92.39	2.07	0.15
90	148	650.00	-121.93	-131.69	-0.07	-54.19	1.95	0.14
90	148	700.00	-123.46	-104.90	-3.69	1.42	0.88	0.15
90	151	340.00	-375.74	111.31	0.05	202.09	-6.50e-03	0.16
90	151	392.50	-375.74	111.31	0.05	209.17	0.08	0.15
90	151	445.00	-361.37	110.00	0.23	196.29	0.12	0.09
90	151	497.50	-302.09	107.92	-2.22	316.53	-0.46	-0.03
90	151	550.00	-293.62	106.03	-1.55	257.31	-1.51	-0.10
90	151	600.00	-275.95	104.94	0.12	173.44	-1.92	-0.16
90	151	650.00	-266.64	104.87	0.55	107.20	-1.80	-0.15
90	151	700.00	-255.85	82.96	3.33	56.31	-0.88	-0.08
90	168	340.00	-80.58	-228.66	0.99	-352.59	0.23	-7.48e-03
90	168	392.50	-80.58	-228.66	0.99	-345.51	0.32	-9.82e-03
90	168	445.00	-90.93	-228.84	0.72	-284.94	0.90	-0.04
90	168	497.50	-106.39	-227.28	-0.49	-288.52	1.05	-0.07
90	168	550.00	-105.67	-225.20	-0.65	-235.41	1.07	-0.07
90	168	600.00	-108.50	-223.15	-0.69	-179.89	0.70	-0.04
90	168	650.00	-105.81	-220.51	-6.68e-03	-128.34	0.52	-0.03
90	168	700.00	-104.40	-182.80	-0.73	-58.43	0.13	0.06
90	178	340.00	-276.44	-32.94	-0.23	-128.05	-0.06	0.18
90	178	392.50	-276.44	-32.94	-0.23	-120.97	0.03	0.17
90	178	445.00	-272.40	-39.41	-0.05	-84.75	-8.70e-03	0.08
90	178	497.50	-294.72	-40.45	-3.06	5.85	-0.78	-0.07
90	178	550.00	-272.76	-40.77	-2.14	-18.58	-2.05	-0.14
90	178	600.00	-228.26	-39.99	0.13	40.29	-2.65	-0.19

90	178	650.00	-221.72	-36.68	1.05	22.59	-2.35	-0.18
90	178	700.00	-213.95	-51.25	4.32	3.54	-1.13	-0.07
90	180	340.00	-44.54	-137.89	0.36	-30.25	0.03	-0.15
90	180	392.50	-44.54	-137.89	0.36	-23.17	0.12	-0.14
90	180	445.00	-52.87	-137.04	0.14	-37.74	0.32	-0.10
90	180	497.50	-103.69	-135.21	1.91	-176.69	0.85	-2.58e-03
90	180	550.00	-106.48	-133.32	1.29	-149.03	1.76	0.07
90	180	600.00	-117.41	-132.15	-0.40	-91.29	1.99	0.13
90	180	650.00	-121.11	-131.82	-0.08	-53.37	1.86	0.13
90	180	700.00	-122.74	-104.88	-3.51	2.66	0.83	0.14
90	183	340.00	-374.37	110.91	-0.03	207.73	-0.03	0.16
90	183	392.50	-374.37	110.91	-0.03	214.81	0.06	0.15
90	183	445.00	-360.13	109.93	0.17	198.64	0.07	0.09
90	183	497.50	-303.54	107.99	-2.07	309.45	-0.49	-0.02
90	183	550.00	-294.57	106.14	-1.44	254.16	-1.48	-0.09
90	183	600.00	-276.89	105.06	0.18	172.34	-1.84	-0.14
90	183	650.00	-267.46	104.99	0.56	106.38	-1.71	-0.14
90	183	700.00	-256.57	82.93	3.14	55.07	-0.83	-0.07
90	200	340.00	-81.34	-227.52	1.00	-350.41	0.23	-8.15e-03
90	200	392.50	-81.34	-227.52	1.00	-343.33	0.32	-0.01
90	200	445.00	-91.32	-227.79	0.73	-283.55	0.90	-0.04
90	200	497.50	-106.15	-226.27	-0.49	-284.50	1.05	-0.07
90	200	550.00	-105.71	-224.20	-0.65	-232.80	1.06	-0.07
90	200	600.00	-108.57	-222.17	-0.70	-177.99	0.68	-0.04
90	200	650.00	-105.97	-219.54	-2.80e-03	-126.88	0.50	-0.03
90	200	700.00	-104.56	-181.90	-0.71	-57.18	0.13	0.06
90	207	340.00	-355.66	77.37	-0.35	104.17	-0.10	0.22
90	207	392.50	-355.66	77.37	-0.35	111.25	-0.01	0.21
90	207	445.00	-345.75	70.29	-0.13	116.17	-0.16	0.09
90	207	497.50	-366.62	68.47	-3.44	181.20	-1.12	-0.08
90	207	550.00	-339.86	67.18	-2.29	123.64	-2.69	-0.16
90	207	600.00	-285.51	67.11	0.30	159.72	-3.25	-0.22
90	207	650.00	-277.08	69.50	1.11	104.32	-2.96	-0.19
90	207	700.00	-266.34	33.41	5.35	44.23	-1.38	-0.11
90	212	340.00	-14.16	-160.85	0.44	-53.87	0.05	-0.17
90	212	392.50	-14.16	-160.85	0.44	-46.79	0.13	-0.17
90	212	445.00	-24.56	-159.99	0.17	-59.71	0.37	-0.12
90	212	497.50	-84.35	-157.87	2.22	-218.55	1.00	-4.50e-03
90	212	550.00	-88.47	-155.64	1.49	-185.10	2.06	0.08
90	212	600.00	-102.11	-154.27	-0.49	-115.23	2.32	0.15
90	212	650.00	-107.08	-153.91	-0.16	-67.78	2.15	0.15
90	212	700.00	-109.96	-122.33	-4.05	-1.50	0.97	0.16
90	215	340.00	-404.75	133.87	-0.11	231.35	-0.04	0.18
90	215	392.50	-404.75	133.87	-0.11	238.42	0.04	0.17
90	215	445.00	-388.44	132.88	0.13	220.61	0.01	0.11
90	215	497.50	-322.88	130.65	-2.38	351.31	-0.64	-0.02
90	215	550.00	-312.58	128.46	-1.64	290.23	-1.77	-0.10
90	215	600.00	-292.19	127.18	0.27	196.28	-2.17	-0.16
90	215	650.00	-281.48	127.09	0.63	120.79	-2.00	-0.15
90	215	700.00	-269.35	100.39	3.69	59.23	-0.97	-0.09
90	232	340.00	-58.64	-264.17	1.15	-424.66	0.27	-0.01
90	232	392.50	-58.64	-264.17	1.15	-417.59	0.36	-0.01
90	232	445.00	-70.77	-264.52	0.84	-345.30	1.02	-0.05
90	232	497.50	-88.66	-262.73	-0.56	-343.71	1.20	-0.08
90	232	550.00	-88.86	-260.31	-0.74	-281.35	1.22	-0.08
90	232	600.00	-92.91	-257.94	-0.81	-215.09	0.79	-0.05
90	232	650.00	-90.48	-254.89	-0.05	-152.75	0.58	-0.04
90	232	700.00	-89.67	-211.13	-0.81	-71.31	0.15	0.07
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-404.75	-264.52	-4.05	-424.66	-3.25	-0.22
			-14.16	133.87	5.35	351.31	2.32	0.22

Macro	Tipo	Angolo 1-Z (gradi)
91	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
91	4	340.00	8.60	-1.39	0.57	-1.91	0.0	0.09
91	4	392.50	8.60	-1.39	0.57	-2.64	0.30	0.08
91	4	445.00	7.34	-1.71	0.55	0.22	0.48	0.05
91	4	497.50	7.59	-5.46	0.02	1.43	0.39	-1.31e-03

91	4	550.00	4.26	-5.70	0.08	0.70	0.30	-0.02
91	4	600.00	1.03	-5.86	0.09	-0.04	0.24	-0.04
91	4	650.00	-2.31	-6.13	0.04	-0.83	0.16	-0.05
91	4	700.00	-3.53	-2.37	-0.36	-1.09	0.0	-0.07
91	11	340.00	7.43	-1.50	0.57	-1.36	0.0	0.09
91	11	392.50	7.43	-1.50	0.57	-2.15	0.30	0.08
91	11	445.00	6.38	-1.73	0.55	0.52	0.49	0.05
91	11	497.50	6.75	-5.33	0.02	1.67	0.39	-1.13e-03
91	11	550.00	3.58	-5.56	0.08	0.92	0.30	-0.02
91	11	600.00	0.50	-5.72	0.08	0.16	0.24	-0.04
91	11	650.00	-2.69	-5.99	0.03	-0.64	0.16	-0.05
91	11	700.00	-3.82	-2.29	-0.36	-0.89	0.0	-0.07
91	18	340.00	7.46	-1.43	0.96	-1.41	0.0	0.15
91	18	392.50	7.46	-1.43	0.96	-2.15	0.50	0.12
91	18	445.00	6.36	-1.69	0.89	0.56	0.80	0.09
91	18	497.50	6.72	-5.17	0.06	1.77	0.64	7.90e-04
91	18	550.00	3.59	-5.51	0.16	1.05	0.51	-0.04
91	18	600.00	0.54	-5.77	0.16	0.27	0.42	-0.07
91	18	650.00	-2.60	-6.12	0.03	-0.59	0.29	-0.09
91	18	700.00	-3.70	-2.34	-0.63	-0.91	0.0	-0.11
91	68	340.00	6.01	-1.13	0.38	-1.20	0.0	0.06
91	68	392.50	6.01	-1.13	0.38	-1.79	0.20	0.05
91	68	445.00	5.19	-1.32	0.37	0.25	0.32	0.04
91	68	497.50	5.46	-4.08	6.85e-03	1.11	0.26	-1.12e-03
91	68	550.00	3.06	-4.24	0.05	0.54	0.20	-0.02
91	68	600.00	0.73	-4.35	0.05	-0.05	0.16	-0.03
91	68	650.00	-1.67	-4.54	0.03	-0.66	0.11	-0.04
91	68	700.00	-2.53	-1.76	-0.23	-0.87	0.0	-0.04
91	71	340.00	5.23	-1.20	0.38	-0.84	0.0	0.06
91	71	392.50	5.23	-1.20	0.38	-1.47	0.20	0.05
91	71	445.00	4.55	-1.34	0.37	0.45	0.33	0.04
91	71	497.50	4.90	-3.99	7.97e-03	1.27	0.26	-1.01e-03
91	71	550.00	2.61	-4.14	0.05	0.68	0.20	-0.02
91	71	600.00	0.38	-4.25	0.05	0.09	0.16	-0.03
91	71	650.00	-1.92	-4.44	0.02	-0.53	0.11	-0.04
91	71	700.00	-2.72	-1.70	-0.24	-0.74	0.0	-0.04
91	75	340.00	5.25	-1.15	0.64	-0.87	0.0	0.10
91	75	392.50	5.25	-1.15	0.64	-1.47	0.34	0.08
91	75	445.00	4.54	-1.31	0.59	0.48	0.53	0.06
91	75	497.50	4.88	-3.88	0.04	1.34	0.43	2.74e-04
91	75	550.00	2.62	-4.11	0.10	0.77	0.34	-0.02
91	75	600.00	0.41	-4.28	0.10	0.16	0.28	-0.04
91	75	650.00	-1.86	-4.53	0.02	-0.51	0.19	-0.06
91	75	700.00	-2.64	-1.74	-0.42	-0.75	0.0	-0.07
91	98	340.00	5.11	-1.24	-4.79e-03	-0.82	0.0	7.51e-03
91	98	392.50	5.11	-1.24	-4.79e-03	-1.48	-2.52e-03	8.22e-03
91	98	445.00	4.61	-1.36	0.02	0.25	0.02	2.92e-03
91	98	497.50	5.03	-3.91	-0.03	0.92	9.47e-03	-2.66e-03
91	98	550.00	2.95	-3.94	-0.03	0.28	-7.70e-03	-3.52e-03
91	98	600.00	0.95	-3.96	-0.02	-0.32	-0.02	-3.13e-03
91	98	650.00	-1.09	-4.06	0.03	-0.91	-0.02	-1.63e-03
91	98	700.00	-1.79	-1.59	0.04	-1.13	0.0	-2.08e-03
91	101	340.00	4.85	-1.27	-3.82e-03	-0.70	0.0	7.41e-03
91	101	392.50	4.85	-1.27	-3.82e-03	-1.37	-2.01e-03	8.14e-03
91	101	445.00	4.39	-1.36	0.02	0.32	0.02	2.92e-03
91	101	497.50	4.85	-3.88	-0.03	0.97	0.01	-2.63e-03
91	101	550.00	2.80	-3.92	-0.03	0.33	-6.88e-03	-3.50e-03
91	101	600.00	0.83	-3.93	-0.02	-0.27	-0.02	-3.13e-03
91	101	650.00	-1.19	-4.03	0.02	-0.86	-0.02	-1.64e-03
91	101	700.00	-1.88	-1.58	0.04	-1.08	0.0	-2.05e-03
91	103	340.00	4.86	-1.24	0.13	-0.72	0.0	0.03
91	103	392.50	4.86	-1.24	0.13	-1.37	0.07	0.02
91	103	445.00	4.39	-1.35	0.14	0.34	0.12	0.01
91	103	497.50	4.83	-3.83	-0.02	1.01	0.09	-1.99e-03
91	103	550.00	2.79	-3.91	-3.24e-03	0.39	0.06	-7.62e-03
91	103	600.00	0.82	-3.95	6.04e-03	-0.22	0.04	-0.01
91	103	650.00	-1.19	-4.09	0.02	-0.84	0.02	-0.01
91	103	700.00	-1.86	-1.60	-0.05	-1.07	0.0	-0.02
91	107	340.00	4.84	-1.26	-3.52e-03	-0.71	0.0	7.29e-03
91	107	392.50	4.84	-1.26	-3.52e-03	-1.37	-1.85e-03	8.01e-03
91	107	445.00	4.40	-1.36	0.02	0.30	0.02	2.87e-03
91	107	497.50	4.86	-3.85	-0.03	0.94	9.99e-03	-2.60e-03
91	107	550.00	2.84	-3.89	-0.03	0.30	-7.04e-03	-3.45e-03
91	107	600.00	0.90	-3.90	-0.02	-0.30	-0.02	-3.07e-03
91	107	650.00	-1.09	-4.01	0.03	-0.90	-0.02	-1.60e-03

91	107	700.00	-1.76	-1.57	0.04	-1.13	0.0	-2.04e-03
91	108	340.00	2.64	-7.83	-0.34	-7.17	-0.09	-0.05
91	108	392.50	2.64	-7.83	-0.34	-7.84	-0.09	-0.05
91	108	445.00	-4.45	-4.31	-0.41	-11.91	-0.27	-0.04
91	108	497.50	-19.23	19.27	0.12	-18.14	-0.35	-3.56e-03
91	108	550.00	-14.65	19.14	0.30	-10.99	-0.25	0.02
91	108	600.00	-11.64	19.05	0.29	-2.41	-0.12	0.03
91	108	650.00	-5.45	18.84	0.17	4.12	0.07	0.04
91	108	700.00	-0.13	6.18	-0.14	8.45	0.07	0.03
91	111	340.00	7.04	5.30	0.33	5.76	0.09	0.07
91	111	392.50	7.04	5.30	0.33	5.10	0.09	0.06
91	111	445.00	13.25	1.59	0.46	12.51	0.30	0.04
91	111	497.50	28.95	-26.98	-0.18	20.03	0.37	-1.63e-03
91	111	550.00	20.33	-26.91	-0.36	11.59	0.24	-0.03
91	111	600.00	13.43	-26.86	-0.32	1.81	0.08	-0.04
91	111	650.00	3.27	-26.85	-0.12	-5.92	-0.11	-0.04
91	111	700.00	-3.38	-9.32	0.22	-10.70	-0.07	-0.03
91	114	340.00	7.90	3.62	0.46	5.17	0.12	0.09
91	114	392.50	7.90	3.62	0.46	4.51	0.12	0.08
91	114	445.00	12.26	1.09	0.58	12.62	0.41	0.06
91	114	497.50	26.27	-27.01	-0.17	21.16	0.51	-2.98e-03
91	114	550.00	16.34	-26.96	-0.39	12.69	0.36	-0.04
91	114	600.00	10.41	-26.91	-0.35	3.23	0.17	-0.06
91	114	650.00	0.24	-26.90	-0.18	-3.93	-0.03	-0.06
91	114	700.00	-7.62	-8.57	0.08	-8.50	-0.03	-0.04
91	140	340.00	2.37	-8.65	-0.38	-7.98	-0.10	-0.06
91	140	392.50	2.37	-8.65	-0.38	-8.65	-0.10	-0.05
91	140	445.00	-5.56	-4.68	-0.47	-13.43	-0.30	-0.04
91	140	497.50	-22.24	22.15	0.13	-20.52	-0.39	-3.70e-03
91	140	550.00	-16.83	22.01	0.34	-12.39	-0.29	0.03
91	140	600.00	-13.21	21.92	0.32	-2.67	-0.13	0.04
91	140	650.00	-6.01	21.69	0.19	4.75	0.08	0.04
91	140	700.00	0.05	7.14	-0.17	9.65	0.08	0.03
91	143	340.00	7.31	6.12	0.37	6.57	0.10	0.07
91	143	392.50	7.31	6.12	0.37	5.91	0.10	0.07
91	143	445.00	14.35	1.96	0.52	14.03	0.33	0.05
91	143	497.50	31.95	-29.86	-0.20	22.41	0.41	-1.49e-03
91	143	550.00	22.50	-29.79	-0.40	13.00	0.27	-0.03
91	143	600.00	15.00	-29.72	-0.36	2.07	0.09	-0.05
91	143	650.00	3.83	-29.70	-0.14	-6.55	-0.12	-0.05
91	143	700.00	-3.57	-10.28	0.24	-11.90	-0.08	-0.03
91	146	340.00	8.27	4.23	0.52	5.90	0.14	0.10
91	146	392.50	8.27	4.23	0.52	5.24	0.14	0.09
91	146	445.00	13.24	1.40	0.64	14.16	0.46	0.06
91	146	497.50	28.95	-29.90	-0.19	23.68	0.57	-3.01e-03
91	146	550.00	18.02	-29.84	-0.43	14.24	0.40	-0.05
91	146	600.00	11.61	-29.78	-0.39	3.67	0.20	-0.06
91	146	650.00	0.42	-29.76	-0.20	-4.31	-0.03	-0.06
91	146	700.00	-8.34	-9.45	0.08	-9.43	-0.04	-0.05
91	172	340.00	2.56	-8.33	-0.35	-7.66	-0.09	-0.06
91	172	392.50	2.56	-8.33	-0.35	-8.32	-0.09	-0.05
91	172	445.00	-5.12	-4.54	-0.44	-12.74	-0.28	-0.04
91	172	497.50	-21.04	20.87	0.13	-19.42	-0.37	-4.11e-03
91	172	550.00	-15.97	20.73	0.32	-11.72	-0.27	0.03
91	172	600.00	-12.75	20.65	0.31	-2.44	-0.12	0.04
91	172	650.00	-6.20	20.43	0.18	4.67	0.08	0.04
91	172	700.00	-0.55	6.75	-0.17	9.37	0.08	0.03
91	175	340.00	7.12	5.80	0.34	6.25	0.09	0.07
91	175	392.50	7.12	5.80	0.34	5.58	0.09	0.07
91	175	445.00	13.91	1.82	0.49	13.34	0.31	0.05
91	175	497.50	30.75	-28.58	-0.19	21.31	0.39	-1.08e-03
91	175	550.00	21.64	-28.51	-0.38	12.32	0.25	-0.03
91	175	600.00	14.54	-28.45	-0.34	1.84	0.08	-0.04
91	175	650.00	4.02	-28.44	-0.13	-6.48	-0.12	-0.04
91	175	700.00	-2.96	-9.89	0.24	-11.62	-0.08	-0.03
91	178	340.00	8.05	3.97	0.49	5.61	0.13	0.09
91	178	392.50	8.05	3.97	0.49	4.94	0.13	0.09
91	178	445.00	12.87	1.28	0.61	13.47	0.43	0.06
91	178	497.50	27.88	-28.62	-0.18	22.54	0.54	-2.60e-03
91	178	550.00	17.35	-28.57	-0.41	13.53	0.38	-0.04
91	178	600.00	11.20	-28.52	-0.37	3.42	0.18	-0.06
91	178	650.00	0.61	-28.50	-0.19	-4.27	-0.03	-0.06
91	178	700.00	-7.68	-9.08	0.08	-9.18	-0.04	-0.04
91	204	340.00	2.27	-9.38	-0.40	-8.69	-0.10	-0.07
91	204	392.50	2.27	-9.38	-0.40	-9.35	-0.11	-0.06

91	204	445.00	-6.55	-5.02	-0.50	-14.63	-0.32	-0.05
91	204	497.50	-24.90	24.47	0.15	-22.36	-0.42	-4.63e-03
91	204	550.00	-18.78	24.32	0.37	-13.43	-0.30	0.03
91	204	600.00	-14.87	24.22	0.35	-2.68	-0.13	0.04
91	204	650.00	-7.19	23.99	0.20	5.60	0.09	0.05
91	204	700.00	-0.68	7.98	-0.20	11.04	0.09	0.03
91	207	340.00	7.41	6.85	0.39	7.28	0.10	0.08
91	207	392.50	7.41	6.85	0.39	6.61	0.10	0.08
91	207	445.00	15.34	2.30	0.55	15.23	0.35	0.05
91	207	497.50	34.61	-32.18	-0.22	24.24	0.44	-5.62e-04
91	207	550.00	24.46	-32.09	-0.43	14.04	0.29	-0.04
91	207	600.00	16.66	-32.02	-0.39	2.09	0.09	-0.05
91	207	650.00	5.02	-32.00	-0.15	-7.41	-0.13	-0.05
91	207	700.00	-2.83	-11.12	0.28	-13.30	-0.09	-0.04
91	210	340.00	8.50	4.75	0.55	6.54	0.15	0.11
91	210	392.50	8.50	4.75	0.55	5.88	0.15	0.10
91	210	445.00	14.14	1.68	0.69	15.39	0.49	0.07
91	210	497.50	31.31	-32.23	-0.21	25.67	0.61	-2.36e-03
91	210	550.00	19.52	-32.17	-0.47	15.44	0.43	-0.05
91	210	600.00	12.78	-32.10	-0.42	3.93	0.21	-0.07
91	210	650.00	1.02	-32.08	-0.22	-4.84	-0.03	-0.07
91	210	700.00	-8.34	-10.19	0.09	-10.45	-0.04	-0.05
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-24.90	-32.23	-0.63	-22.36	-0.42	-0.11
			34.61	24.47	0.96	25.67	0.80	0.15

Macro	Tipo	Angolo 1-Z (gradi)
92	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
92	4	340.00	-0.50	-0.25	2.11	0.36	0.0	-2.28e-03
92	4	392.50	-0.50	-0.25	2.11	0.23	1.11	-2.72e-03
92	4	445.00	-1.07	0.16	2.26	0.68	2.30	-1.87e-03
92	4	497.50	-2.19	-0.93	0.63	0.92	2.63	1.63e-04
92	4	550.00	-1.86	-0.93	-0.16	0.43	2.54	6.04e-04
92	4	600.00	-1.54	-0.93	-0.94	-0.03	2.07	7.83e-04
92	4	650.00	-1.23	-0.93	-1.70	-0.50	1.23	8.52e-04
92	4	700.00	-0.55	0.11	-2.45	-0.44	0.0	7.43e-04
92	18	340.00	-0.46	-0.18	3.52	0.32	0.0	-3.37e-03
92	18	392.50	-0.46	-0.18	3.52	0.23	1.85	-3.99e-03
92	18	445.00	-1.01	0.17	3.77	0.63	3.83	-2.67e-03
92	18	497.50	-2.10	-0.86	1.05	0.85	4.38	4.56e-04
92	18	550.00	-1.77	-0.86	-0.27	0.40	4.24	1.14e-03
92	18	600.00	-1.45	-0.86	-1.57	-0.03	3.46	1.41e-03
92	18	650.00	-1.14	-0.86	-2.83	-0.46	2.04	1.52e-03
92	18	700.00	-0.48	0.10	-4.09	-0.41	0.0	1.32e-03
92	45	340.00	-0.31	-0.02	-1.76	0.11	0.0	1.19e-03
92	45	392.50	-0.31	-0.02	-1.76	0.10	-0.93	1.40e-03
92	45	445.00	-0.71	0.09	-1.88	0.25	-1.91	8.94e-04
92	45	497.50	-1.41	-0.28	-0.52	0.35	-2.19	-3.10e-04
92	45	550.00	-1.16	-0.28	0.14	0.20	-2.12	-5.73e-04
92	45	600.00	-0.91	-0.28	0.78	0.06	-1.73	-6.80e-04
92	45	650.00	-0.67	-0.28	1.41	-0.07	-1.02	-7.19e-04
92	45	700.00	-0.19	0.01	2.04	-0.07	0.0	-6.22e-04
92	52	340.00	-0.51	-0.27	-7.77e-04	0.36	0.0	-5.90e-04
92	52	392.50	-0.51	-0.27	-7.77e-04	0.22	-4.08e-04	-7.36e-04
92	52	445.00	-1.10	0.13	2.26e-03	0.66	7.76e-04	-5.91e-04
92	52	497.50	-2.20	-0.90	-3.04e-04	0.90	6.17e-04	-2.32e-04
92	52	550.00	-1.87	-0.90	-3.04e-04	0.43	4.57e-04	-1.56e-04
92	52	600.00	-1.55	-0.90	-3.04e-04	-0.02	3.04e-04	-1.25e-04
92	52	650.00	-1.24	-0.90	-3.04e-04	-0.47	1.52e-04	-1.11e-04
92	52	700.00	-0.56	0.10	-3.04e-04	-0.42	0.0	-8.99e-05
92	68	340.00	-0.37	-0.16	1.41	0.25	0.0	-1.56e-03
92	68	392.50	-0.37	-0.16	1.41	0.17	0.74	-1.86e-03
92	68	445.00	-0.80	0.12	1.51	0.49	1.53	-1.28e-03
92	68	497.50	-1.64	-0.66	0.42	0.66	1.75	1.00e-04
92	68	550.00	-1.39	-0.66	-0.11	0.31	1.70	4.00e-04
92	68	600.00	-1.14	-0.66	-0.63	-0.01	1.38	5.21e-04
92	68	650.00	-0.90	-0.66	-1.13	-0.34	0.82	5.68e-04
92	68	700.00	-0.38	0.08	-1.63	-0.31	0.0	4.96e-04

92	75	340.00	-0.35	-0.12	2.35	0.23	0.0	-2.28e-03
92	75	392.50	-0.35	-0.12	2.35	0.17	1.23	-2.71e-03
92	75	445.00	-0.76	0.13	2.52	0.45	2.55	-1.81e-03
92	75	497.50	-1.58	-0.61	0.70	0.61	2.92	2.96e-04
92	75	550.00	-1.33	-0.61	-0.18	0.29	2.83	7.55e-04
92	75	600.00	-1.08	-0.61	-1.04	-0.01	2.30	9.42e-04
92	75	650.00	-0.84	-0.61	-1.88	-0.32	1.36	1.01e-03
92	75	700.00	-0.34	0.07	-2.72	-0.28	0.0	8.80e-04
92	85	340.00	-0.32	-0.03	-1.18	0.13	0.0	6.80e-04
92	85	392.50	-0.32	-0.03	-1.18	0.11	-0.62	7.90e-04
92	85	445.00	-0.72	0.09	-1.26	0.28	-1.28	4.86e-04
92	85	497.50	-1.44	-0.33	-0.35	0.39	-1.46	-2.41e-04
92	85	550.00	-1.18	-0.33	0.09	0.22	-1.41	-4.00e-04
92	85	600.00	-0.94	-0.33	0.52	0.05	-1.15	-4.65e-04
92	85	650.00	-0.70	-0.33	0.94	-0.11	-0.68	-4.87e-04
92	85	700.00	-0.21	0.02	1.36	-0.10	0.0	-4.21e-04
92	92	340.00	-0.38	-0.18	-5.34e-04	0.25	0.0	-4.30e-04
92	92	392.50	-0.38	-0.18	-5.34e-04	0.16	-2.81e-04	-5.36e-04
92	92	445.00	-0.82	0.10	1.66e-03	0.47	5.91e-04	-4.29e-04
92	92	497.50	-1.65	-0.63	-2.32e-04	0.65	4.70e-04	-1.63e-04
92	92	550.00	-1.40	-0.63	-2.32e-04	0.31	3.48e-04	-1.07e-04
92	92	600.00	-1.15	-0.63	-2.32e-04	-4.81e-03	2.32e-04	-8.41e-05
92	92	650.00	-0.91	-0.63	-2.32e-04	-0.32	1.16e-04	-7.35e-05
92	92	700.00	-0.39	0.07	-2.32e-04	-0.29	0.0	-5.92e-05
92	98	340.00	-0.35	-0.13	-4.48e-04	0.21	0.0	-3.84e-04
92	98	392.50	-0.35	-0.13	-4.48e-04	0.14	-2.35e-04	-4.77e-04
92	98	445.00	-0.78	0.10	1.52e-03	0.41	5.64e-04	-3.79e-04
92	98	497.50	-1.57	-0.53	-2.21e-04	0.56	4.48e-04	-1.36e-04
92	98	550.00	-1.32	-0.53	-2.21e-04	0.28	3.32e-04	-8.44e-05
92	98	600.00	-1.07	-0.53	-2.21e-04	0.01	2.21e-04	-6.37e-05
92	98	650.00	-0.83	-0.53	-2.21e-04	-0.25	1.11e-04	-5.41e-05
92	98	700.00	-0.33	0.05	-2.21e-04	-0.23	0.0	-4.31e-05
92	103	340.00	-0.35	-0.11	0.47	0.20	0.0	-7.50e-04
92	103	392.50	-0.35	-0.11	0.47	0.14	0.25	-9.06e-04
92	103	445.00	-0.76	0.11	0.50	0.40	0.51	-6.53e-04
92	103	497.50	-1.55	-0.52	0.14	0.55	0.58	-4.18e-05
92	103	550.00	-1.30	-0.52	-0.04	0.27	0.57	9.02e-05
92	103	600.00	-1.05	-0.52	-0.21	0.01	0.46	1.44e-04
92	103	650.00	-0.81	-0.52	-0.38	-0.25	0.27	1.65e-04
92	103	700.00	-0.31	0.05	-0.54	-0.22	0.0	1.47e-04
92	104	340.00	-0.32	-0.04	-0.24	0.14	0.0	-1.23e-04
92	104	392.50	-0.32	-0.04	-0.24	0.12	-0.12	-1.62e-04
92	104	445.00	-0.72	0.10	-0.25	0.31	-0.25	-1.51e-04
92	104	497.50	-1.45	-0.37	-0.07	0.42	-0.29	-1.21e-04
92	104	550.00	-1.20	-0.37	0.02	0.22	-0.28	-1.15e-04
92	104	600.00	-0.95	-0.37	0.10	0.04	-0.23	-1.13e-04
92	104	650.00	-0.71	-0.37	0.19	-0.15	-0.14	-1.11e-04
92	104	700.00	-0.23	0.03	0.27	-0.14	0.0	-9.32e-05
92	106	340.00	-0.32	-0.04	-2.58e-04	0.14	0.0	-3.24e-04
92	106	392.50	-0.32	-0.04	-2.58e-04	0.12	-1.35e-04	-4.00e-04
92	106	445.00	-0.71	0.11	1.33e-03	0.31	5.62e-04	-3.11e-04
92	106	497.50	-1.45	-0.38	-2.20e-04	0.43	4.46e-04	-9.07e-05
92	106	550.00	-1.20	-0.38	-2.20e-04	0.22	3.31e-04	-4.37e-05
92	106	600.00	-0.96	-0.38	-2.20e-04	0.03	2.20e-04	-2.48e-05
92	106	650.00	-0.72	-0.38	-2.20e-04	-0.16	1.10e-04	-1.64e-05
92	106	700.00	-0.23	0.03	-2.20e-04	-0.14	0.0	-1.14e-05
92	107	340.00	-0.35	-0.11	-4.21e-04	0.20	0.0	-3.75e-04
92	107	392.50	-0.35	-0.11	-4.21e-04	0.14	-2.21e-04	-4.66e-04
92	107	445.00	-0.77	0.10	1.50e-03	0.40	5.64e-04	-3.70e-04
92	107	497.50	-1.55	-0.51	-2.21e-04	0.54	4.48e-04	-1.30e-04
92	107	550.00	-1.30	-0.51	-2.21e-04	0.27	3.32e-04	-7.86e-05
92	107	600.00	-1.06	-0.51	-2.21e-04	0.02	2.21e-04	-5.81e-05
92	107	650.00	-0.82	-0.51	-2.21e-04	-0.24	1.11e-04	-4.87e-05
92	107	700.00	-0.31	0.05	-2.21e-04	-0.22	0.0	-3.85e-05
92	113	340.00	1.22	1.74	-0.25	-2.38	-0.06	0.02
92	113	392.50	1.22	1.74	-0.25	-2.44	-0.06	0.02
92	113	445.00	2.14	-1.16	-0.27	-5.17	-0.18	0.01
92	113	497.50	3.80	14.66	0.02	-13.52	-0.24	-4.70e-03
92	113	550.00	4.06	14.60	0.05	-5.96	-0.22	-3.09e-03
92	113	600.00	4.17	14.52	0.09	1.42	-0.19	-2.80e-03
92	113	650.00	4.53	14.43	0.14	8.52	-0.13	-2.79e-03
92	113	700.00	4.62	-1.00	0.19	11.97	-0.05	-2.64e-03
92	114	340.00	-1.92	-1.97	0.25	2.78	0.06	-0.02
92	114	392.50	-1.92	-1.97	0.25	2.72	0.06	-0.02
92	114	445.00	-3.68	1.37	0.27	5.96	0.18	-0.01

92	114	497.50	-6.90	-15.69	-0.02	14.60	0.24	4.44e-03
92	114	550.00	-6.67	-15.62	-0.05	6.51	0.22	2.93e-03
92	114	600.00	-6.28	-15.54	-0.09	-1.39	0.19	2.69e-03
92	114	650.00	-6.16	-15.45	-0.14	-9.00	0.13	2.69e-03
92	114	700.00	-5.25	1.10	-0.19	-12.40	0.05	2.57e-03
92	145	340.00	1.41	1.97	-0.28	-2.70	-0.06	0.02
92	145	392.50	1.41	1.97	-0.28	-2.76	-0.06	0.02
92	145	445.00	2.50	-1.32	-0.30	-5.86	-0.20	0.02
92	145	497.50	4.46	16.55	0.02	-15.27	-0.27	-5.27e-03
92	145	550.00	4.73	16.48	0.05	-6.74	-0.25	-3.47e-03
92	145	600.00	4.82	16.39	0.10	1.60	-0.21	-3.15e-03
92	145	650.00	5.20	16.29	0.15	9.62	-0.15	-3.13e-03
92	145	700.00	5.24	-1.13	0.21	13.49	-0.05	-2.97e-03
92	146	340.00	-2.11	-2.20	0.28	3.10	0.06	-0.02
92	146	392.50	-2.11	-2.20	0.28	3.04	0.06	-0.02
92	146	445.00	-4.05	1.53	0.30	6.65	0.20	-0.02
92	146	497.50	-7.57	-17.58	-0.02	16.36	0.27	5.01e-03
92	146	550.00	-7.33	-17.51	-0.05	7.29	0.25	3.31e-03
92	146	600.00	-6.93	-17.42	-0.10	-1.57	0.21	3.04e-03
92	146	650.00	-6.83	-17.32	-0.15	-10.10	0.15	3.03e-03
92	146	700.00	-5.86	1.23	-0.21	-13.92	0.05	2.90e-03
92	177	340.00	1.32	1.88	-0.27	-2.56	-0.06	0.02
92	177	392.50	1.32	1.88	-0.27	-2.62	-0.06	0.02
92	177	445.00	2.33	-1.25	-0.29	-5.56	-0.19	0.01
92	177	497.50	4.13	15.75	0.02	-14.50	-0.26	-5.11e-03
92	177	550.00	4.40	15.68	0.05	-6.39	-0.25	-3.46e-03
92	177	600.00	4.49	15.60	0.09	1.55	-0.21	-3.16e-03
92	177	650.00	4.87	15.50	0.15	9.17	-0.14	-3.12e-03
92	177	700.00	4.93	-1.08	0.20	12.86	-0.05	-2.95e-03
92	178	340.00	-2.02	-2.11	0.27	2.96	0.06	-0.02
92	178	392.50	-2.02	-2.11	0.27	2.90	0.06	-0.02
92	178	445.00	-3.87	1.46	0.29	6.35	0.19	-0.02
92	178	497.50	-7.24	-16.77	-0.02	15.59	0.26	4.86e-03
92	178	550.00	-7.00	-16.70	-0.05	6.94	0.25	3.31e-03
92	178	600.00	-6.60	-16.62	-0.10	-1.51	0.21	3.04e-03
92	178	650.00	-6.50	-16.53	-0.15	-9.65	0.14	3.02e-03
92	178	700.00	-5.56	1.18	-0.21	-13.30	0.05	2.87e-03
92	209	340.00	1.55	2.17	-0.31	-2.96	-0.07	0.02
92	209	392.50	1.55	2.17	-0.31	-3.02	-0.07	0.02
92	209	445.00	2.76	-1.45	-0.33	-6.43	-0.22	0.02
92	209	497.50	4.94	18.13	0.02	-16.70	-0.30	-5.90e-03
92	209	550.00	5.21	18.05	0.06	-7.36	-0.29	-4.06e-03
92	209	600.00	5.28	17.96	0.11	1.78	-0.24	-3.70e-03
92	209	650.00	5.67	17.85	0.17	10.57	-0.17	-3.65e-03
92	209	700.00	5.67	-1.24	0.24	14.80	-0.06	-3.45e-03
92	210	340.00	-2.25	-2.40	0.31	3.37	0.07	-0.02
92	210	392.50	-2.25	-2.40	0.31	3.31	0.07	-0.02
92	210	445.00	-4.31	1.65	0.34	7.22	0.23	-0.02
92	210	497.50	-8.05	-19.16	-0.02	17.78	0.30	5.64e-03
92	210	550.00	-7.81	-19.08	-0.06	7.90	0.29	3.90e-03
92	210	600.00	-7.39	-18.99	-0.11	-1.75	0.24	3.59e-03
92	210	650.00	-7.30	-18.88	-0.17	-11.05	0.17	3.55e-03
92	210	700.00	-6.30	1.35	-0.24	-15.23	0.06	3.37e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-8.05	-19.16	-4.09	-16.70	-2.19	-0.02
	5.67	18.13	3.77	17.78	4.38	0.02

Macro	Tipo	Angolo 1-Z (gradi)
93	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
93	9	340.00	9.37	0.73	0.84	0.11	0.0	6.94e-05
93	9	392.50	9.37	0.73	0.84	0.50	0.44	-1.56e-04
93	9	445.00	6.34	0.64	0.90	0.76	0.58	-2.08e-04
93	9	497.50	5.15	0.28	0.26	1.06	0.38	-6.65e-04
93	9	550.00	1.15	0.27	0.50	1.21	0.29	-9.49e-04
93	9	600.00	-2.61	0.27	0.54	1.34	0.30	-1.24e-03
93	9	650.00	-6.50	0.28	0.31	1.48	0.27	-1.47e-03
93	9	700.00	-8.22	-0.03	-0.60	1.44	0.0	-1.10e-03
93	51	340.00	19.89	0.10	-0.15	-0.07	0.0	-8.27e-05

93	51	392.50	19.89	0.10	-0.15	-0.02	-0.08	-4.56e-04
93	51	445.00	15.59	0.05	0.05	-0.05	-0.07	-3.85e-04
93	51	497.50	13.01	-0.20	0.07	-0.08	-0.04	-7.04e-04
93	51	550.00	8.29	-0.20	0.08	-0.18	2.16e-03	-9.47e-04
93	51	600.00	3.77	-0.20	0.04	-0.28	0.03	-1.22e-03
93	51	650.00	-1.03	-0.19	-0.05	-0.38	0.03	-1.45e-03
93	51	700.00	-3.45	-0.46	-0.05	-0.52	0.0	-1.12e-03
93	59	340.00	16.65	0.39	-0.15	0.03	0.0	1.86e-05
93	59	392.50	16.65	0.39	-0.15	0.23	-0.08	-2.70e-04
93	59	445.00	12.43	0.33	0.04	0.35	-0.07	-3.01e-04
93	59	497.50	9.93	0.03	0.07	0.49	-0.04	-7.19e-04
93	59	550.00	5.14	0.02	0.08	0.50	6.50e-04	-1.01e-03
93	59	600.00	0.54	0.02	0.04	0.51	0.03	-1.31e-03
93	59	650.00	-4.33	0.03	-0.04	0.52	0.03	-1.55e-03
93	59	700.00	-6.67	-0.20	-0.05	0.44	0.0	-1.21e-03
93	69	340.00	6.76	0.54	0.55	0.08	0.0	8.91e-05
93	69	392.50	6.76	0.54	0.55	0.36	0.29	-5.23e-05
93	69	445.00	4.66	0.47	0.60	0.55	0.39	-1.16e-04
93	69	497.50	3.94	0.20	0.17	0.77	0.25	-4.70e-04
93	69	550.00	1.00	0.20	0.34	0.87	0.19	-6.97e-04
93	69	600.00	-1.77	0.20	0.36	0.97	0.20	-9.31e-04
93	69	650.00	-4.63	0.20	0.21	1.07	0.18	-1.12e-03
93	69	700.00	-5.91	-0.04	-0.40	1.04	0.0	-8.37e-04
93	91	340.00	13.77	0.12	-0.11	-0.05	0.0	-1.23e-05
93	91	392.50	13.77	0.12	-0.11	0.02	-0.06	-2.52e-04
93	91	445.00	10.82	0.08	0.03	9.95e-03	-0.05	-2.34e-04
93	91	497.50	9.18	-0.11	0.05	8.90e-03	-0.03	-4.96e-04
93	91	550.00	5.76	-0.12	0.06	-0.05	9.45e-04	-6.96e-04
93	91	600.00	2.48	-0.12	0.03	-0.11	0.02	-9.18e-04
93	91	650.00	-0.99	-0.11	-0.03	-0.17	0.02	-1.11e-03
93	91	700.00	-2.73	-0.33	-0.04	-0.26	0.0	-8.51e-04
93	95	340.00	11.61	0.32	-0.10	0.02	0.0	5.52e-05
93	95	392.50	11.61	0.32	-0.10	0.19	-0.05	-1.28e-04
93	95	445.00	8.72	0.26	0.03	0.28	-0.05	-1.78e-04
93	95	497.50	7.13	0.03	0.05	0.39	-0.03	-5.07e-04
93	95	550.00	3.66	0.03	0.05	0.40	-6.46e-05	-7.37e-04
93	95	600.00	0.33	0.03	0.03	0.42	0.02	-9.76e-04
93	95	650.00	-3.19	0.04	-0.03	0.43	0.02	-1.17e-03
93	95	700.00	-4.88	-0.15	-0.04	0.37	0.0	-9.13e-04
93	98	340.00	11.70	0.20	-0.09	-0.03	0.0	6.60e-05
93	98	392.50	11.70	0.20	-0.09	0.07	-0.05	-1.06e-04
93	98	445.00	9.21	0.14	0.03	0.09	-0.04	-1.43e-04
93	98	497.50	8.02	-0.06	0.04	0.13	-0.02	-4.38e-04
93	98	550.00	4.87	-0.06	0.05	0.09	-2.29e-04	-6.59e-04
93	98	600.00	1.85	-0.07	0.02	0.06	0.02	-8.97e-04
93	98	650.00	-1.34	-0.06	-0.03	0.03	0.02	-1.10e-03
93	98	700.00	-2.93	-0.28	-0.03	-0.05	0.0	-8.48e-04
93	99	340.00	6.83	0.39	-0.06	0.02	0.0	2.47e-04
93	99	392.50	6.83	0.39	-0.06	0.23	-0.03	2.31e-04
93	99	445.00	5.36	0.31	0.01	0.33	-0.03	6.14e-05
93	99	497.50	5.12	0.08	0.03	0.46	-0.02	-3.15e-04
93	99	550.00	2.54	0.08	0.03	0.50	-2.94e-03	-5.87e-04
93	99	600.00	0.07	0.08	0.01	0.54	8.78e-03	-8.64e-04
93	99	650.00	-2.55	0.08	-0.01	0.58	7.69e-03	-1.10e-03
93	99	700.00	-3.79	-0.15	-0.01	0.52	0.0	-8.52e-04
93	101	340.00	10.99	0.24	-0.09	-0.01	0.0	9.00e-05
93	101	392.50	10.99	0.24	-0.09	0.11	-0.05	-6.15e-05
93	101	445.00	8.58	0.19	0.03	0.16	-0.04	-1.20e-04
93	101	497.50	7.45	-0.02	0.04	0.22	-0.02	-4.32e-04
93	101	550.00	4.33	-0.03	0.05	0.21	-5.88e-04	-6.62e-04
93	101	600.00	1.33	-0.03	0.02	0.19	0.02	-9.06e-04
93	101	650.00	-1.83	-0.02	-0.02	0.18	0.02	-1.11e-03
93	101	700.00	-3.39	-0.24	-0.03	0.10	0.0	-8.59e-04
93	106	340.00	6.84	0.36	-0.06	0.01	0.0	2.49e-04
93	106	392.50	6.84	0.36	-0.06	0.20	-0.03	2.36e-04
93	106	445.00	5.46	0.29	0.01	0.29	-0.03	6.83e-05
93	106	497.50	5.30	0.06	0.03	0.41	-0.02	-3.01e-04
93	106	550.00	2.78	0.06	0.03	0.44	-2.97e-03	-5.71e-04
93	106	600.00	0.37	0.06	0.01	0.47	8.11e-03	-8.48e-04
93	106	650.00	-2.18	0.07	-0.01	0.50	6.96e-03	-1.09e-03
93	106	700.00	-3.40	-0.18	-0.01	0.44	0.0	-8.39e-04
93	107	340.00	11.00	0.22	-0.09	-0.02	0.0	9.21e-05
93	107	392.50	11.00	0.22	-0.09	0.09	-0.05	-5.70e-05
93	107	445.00	8.68	0.16	0.03	0.12	-0.04	-1.13e-04
93	107	497.50	7.63	-0.04	0.04	0.17	-0.02	-4.18e-04

93	107	550.00	4.57	-0.05	0.04	0.14	-6.21e-04	-6.46e-04
93	107	600.00	1.64	-0.05	0.02	0.12	0.02	-8.90e-04
93	107	650.00	-1.46	-0.04	-0.02	0.10	0.01	-1.10e-03
93	107	700.00	-3.00	-0.27	-0.03	0.02	0.0	-8.46e-04
93	111	340.00	13.67	12.47	-0.16	13.89	-0.02	0.09
93	111	392.50	13.67	12.47	-0.16	14.01	-0.06	0.09
93	111	445.00	14.04	3.38	-0.05	30.03	-0.10	0.07
93	111	497.50	17.51	-52.97	0.06	60.23	-0.10	1.90e-03
93	111	550.00	15.26	-52.69	0.07	32.47	-0.06	-0.05
93	111	600.00	14.43	-52.46	0.01	4.06	-0.04	-0.07
93	111	650.00	10.90	-52.20	0.01	-20.92	-0.02	-0.08
93	111	700.00	10.01	-17.97	0.06	-41.65	-0.02	-0.06
93	124	340.00	7.71	-7.20	0.29	-9.93	0.10	-0.04
93	124	392.50	7.71	-7.20	0.29	-9.81	0.05	-0.04
93	124	445.00	2.07	-1.47	0.31	-20.50	0.24	-0.03
93	124	497.50	-3.32	36.81	0.02	-41.12	0.33	4.73e-03
93	124	550.00	-8.43	36.65	-0.01	-21.91	0.31	0.02
93	124	600.00	-13.38	36.53	0.06	-2.80	0.31	0.03
93	124	650.00	-18.12	36.39	-0.20	15.35	0.29	0.03
93	124	700.00	-20.63	12.37	-0.53	30.10	0.12	0.03
93	127	340.00	14.29	7.64	-0.47	9.88	-0.10	0.04
93	127	392.50	14.29	7.64	-0.47	9.99	-0.14	0.04
93	127	445.00	15.29	1.79	-0.26	20.74	-0.32	0.03
93	127	497.50	18.58	-36.90	0.07	41.46	-0.37	-5.57e-03
93	127	550.00	17.57	-36.74	0.10	22.20	-0.31	-0.02
93	127	600.00	16.66	-36.62	-0.02	3.04	-0.28	-0.03
93	127	650.00	15.19	-36.48	0.15	-15.16	-0.26	-0.04
93	127	700.00	14.63	-12.91	0.47	-30.07	-0.12	-0.03
93	143	340.00	14.00	13.99	-0.17	15.63	-0.02	0.11
93	143	392.50	14.00	13.99	-0.17	15.74	-0.07	0.10
93	143	445.00	14.71	3.78	-0.06	33.76	-0.11	0.08
93	143	497.50	18.75	-59.57	0.06	67.72	-0.11	2.22e-03
93	143	550.00	16.60	-59.26	0.07	36.50	-0.07	-0.05
93	143	600.00	16.03	-59.01	0.01	4.54	-0.04	-0.08
93	143	650.00	12.45	-58.71	0.01	-23.55	-0.03	-0.09
93	143	700.00	11.64	-20.18	0.07	-46.86	-0.02	-0.07
93	156	340.00	7.31	-8.11	0.34	-11.15	0.11	-0.05
93	156	392.50	7.31	-8.11	0.34	-11.03	0.06	-0.04
93	156	445.00	1.25	-1.67	0.35	-23.05	0.28	-0.03
93	156	497.50	-4.68	41.38	0.01	-46.23	0.37	5.37e-03
93	156	550.00	-10.05	41.19	-0.02	-24.64	0.35	0.03
93	156	600.00	-15.25	41.05	0.06	-3.15	0.35	0.03
93	156	650.00	-20.19	40.91	-0.22	17.25	0.32	0.04
93	156	700.00	-22.83	13.94	-0.59	33.83	0.14	0.03
93	159	340.00	14.70	8.55	-0.51	11.10	-0.11	0.05
93	159	392.50	14.70	8.55	-0.51	11.22	-0.15	0.04
93	159	445.00	16.10	2.00	-0.30	23.29	-0.36	0.03
93	159	497.50	19.94	-41.46	0.07	46.56	-0.42	-6.21e-03
93	159	550.00	19.19	-41.28	0.11	24.93	-0.35	-0.03
93	159	600.00	18.52	-41.15	-0.02	3.39	-0.32	-0.04
93	159	650.00	17.27	-40.99	0.17	-17.05	-0.29	-0.04
93	159	700.00	16.83	-14.47	0.53	-33.80	-0.14	-0.03
93	175	340.00	13.86	13.27	-0.17	14.84	-0.02	0.10
93	175	392.50	13.86	13.27	-0.17	14.95	-0.07	0.10
93	175	445.00	14.50	3.56	-0.06	32.07	-0.11	0.08
93	175	497.50	18.38	-56.78	0.06	64.36	-0.11	2.98e-03
93	175	550.00	16.28	-56.48	0.07	34.59	-0.07	-0.05
93	175	600.00	15.55	-56.25	0.01	4.24	-0.05	-0.07
93	175	650.00	12.16	-55.97	0.01	-22.64	-0.03	-0.08
93	175	700.00	11.40	-19.23	0.08	-44.85	-0.02	-0.06
93	188	340.00	7.49	-7.76	0.32	-10.62	0.10	-0.05
93	188	392.50	7.49	-7.76	0.32	-10.50	0.06	-0.04
93	188	445.00	1.52	-1.61	0.34	-21.98	0.26	-0.03
93	188	497.50	-4.35	39.67	0.01	-44.18	0.35	5.02e-03
93	188	550.00	-9.69	39.50	-0.02	-23.47	0.33	0.03
93	188	600.00	-14.81	39.37	0.06	-2.92	0.34	0.03
93	188	650.00	-19.78	39.24	-0.21	16.66	0.32	0.04
93	188	700.00	-22.48	13.37	-0.58	32.54	0.14	0.03
93	191	340.00	14.51	8.20	-0.50	10.57	-0.10	0.05
93	191	392.50	14.51	8.20	-0.50	10.69	-0.15	0.04
93	191	445.00	15.84	1.93	-0.29	22.23	-0.35	0.03
93	191	497.50	19.61	-39.76	0.07	44.51	-0.40	-5.86e-03
93	191	550.00	18.83	-39.59	0.11	23.76	-0.34	-0.03
93	191	600.00	18.09	-39.47	-0.02	3.16	-0.31	-0.04
93	191	650.00	16.86	-39.32	0.16	-16.47	-0.29	-0.04

93	191	700.00	16.48	-13.90	0.52	-32.51	-0.14	-0.03
93	207	340.00	14.29	15.14	-0.19	16.99	-0.03	0.12
93	207	392.50	14.29	15.14	-0.19	17.11	-0.07	0.11
93	207	445.00	15.41	4.04	-0.08	36.69	-0.12	0.09
93	207	497.50	20.04	-65.11	0.06	73.68	-0.12	4.02e-03
93	207	550.00	18.13	-64.78	0.07	39.54	-0.08	-0.06
93	207	600.00	17.71	-64.51	0.01	4.79	-0.06	-0.08
93	207	650.00	14.36	-64.20	0.02	-26.09	-0.04	-0.09
93	207	700.00	13.76	-22.02	0.10	-51.56	-0.02	-0.07
93	220	340.00	6.98	-8.95	0.39	-12.18	0.12	-0.05
93	220	392.50	6.98	-8.95	0.39	-12.07	0.08	-0.05
93	220	445.00	0.41	-1.88	0.39	-25.26	0.31	-0.04
93	220	497.50	-6.23	45.64	8.23e-03	-50.78	0.41	5.78e-03
93	220	550.00	-11.96	45.44	-0.03	-26.95	0.39	0.03
93	220	600.00	-17.40	45.30	0.07	-3.34	0.40	0.04
93	220	650.00	-22.71	45.15	-0.24	19.21	0.36	0.04
93	220	700.00	-25.62	15.42	-0.67	37.48	0.16	0.03
93	223	340.00	15.03	9.39	-0.56	12.13	-0.12	0.05
93	223	392.50	15.03	9.39	-0.56	12.25	-0.17	0.05
93	223	445.00	16.94	2.20	-0.34	25.50	-0.39	0.04
93	223	497.50	21.50	-45.72	0.07	51.11	-0.46	-6.62e-03
93	223	550.00	21.09	-45.53	0.12	27.23	-0.39	-0.03
93	223	600.00	20.67	-45.39	-0.03	3.58	-0.36	-0.04
93	223	650.00	19.78	-45.23	0.19	-19.02	-0.33	-0.04
93	223	700.00	19.62	-15.96	0.61	-37.45	-0.16	-0.03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-25.62	-65.11	-0.67	-51.56	-0.46	-0.09
	21.50	45.64	0.90	73.68	0.58	0.12

Macro	Tipo	Angolo 1-Z (gradi)
94	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
94	16	340.00	-0.21	0.08	3.51	-0.14	0.0	1.21e-05
94	16	392.50	-0.21	0.08	3.51	-0.10	1.84	1.06e-05
94	16	445.00	-0.52	-0.06	3.75	-0.27	3.82	-3.10e-06
94	16	497.50	-1.24	0.49	1.06	-0.31	4.37	-4.53e-05
94	16	550.00	-0.91	0.49	-0.27	-0.05	4.23	-5.46e-05
94	16	600.00	-0.59	0.49	-1.56	0.20	3.45	-5.84e-05
94	16	650.00	-0.28	0.49	-2.82	0.44	2.04	-5.94e-05
94	16	700.00	0.24	-0.11	-4.08	0.39	0.0	-5.07e-05
94	27	340.00	-0.14	0.12	-1.05	-0.23	0.0	5.96e-05
94	27	392.50	-0.14	0.12	-1.05	-0.17	-0.55	6.26e-05
94	27	445.00	-0.36	-0.11	-1.12	-0.46	-1.14	2.00e-05
94	27	497.50	-0.99	0.82	-0.32	-0.55	-1.31	-8.19e-05
94	27	550.00	-0.66	0.82	0.08	-0.12	-1.27	-1.04e-04
94	27	600.00	-0.34	0.82	0.47	0.28	-1.03	-1.14e-04
94	27	650.00	-0.03	0.82	0.85	0.69	-0.61	-1.17e-04
94	27	700.00	0.48	-0.18	1.22	0.60	0.0	-9.98e-05
94	28	340.00	-0.14	0.12	-1.05	-0.24	0.0	6.69e-05
94	28	392.50	-0.14	0.12	-1.05	-0.18	-0.55	7.11e-05
94	28	445.00	-0.36	-0.11	-1.12	-0.48	-1.14	2.53e-05
94	28	497.50	-1.00	0.84	-0.32	-0.58	-1.31	-8.41e-05
94	28	550.00	-0.67	0.84	0.08	-0.14	-1.27	-1.08e-04
94	28	600.00	-0.35	0.84	0.47	0.28	-1.03	-1.18e-04
94	28	650.00	-0.04	0.84	0.85	0.70	-0.61	-1.21e-04
94	28	700.00	0.47	-0.18	1.22	0.62	0.0	-1.04e-04
94	52	340.00	-0.14	0.12	-4.73e-04	-0.24	0.0	5.24e-05
94	52	392.50	-0.14	0.12	-4.73e-04	-0.18	-2.48e-04	5.34e-05
94	52	445.00	-0.36	-0.11	1.95e-03	-0.48	7.76e-04	1.18e-05
94	52	497.50	-1.02	0.83	-3.04e-04	-0.57	6.16e-04	-9.11e-05
94	52	550.00	-0.69	0.83	-3.04e-04	-0.14	4.56e-04	-1.14e-04
94	52	600.00	-0.37	0.83	-3.04e-04	0.28	3.04e-04	-1.23e-04
94	52	650.00	-0.06	0.83	-3.04e-04	0.69	1.52e-04	-1.26e-04
94	52	700.00	0.44	-0.18	-3.04e-04	0.61	0.0	-1.08e-04
94	73	340.00	-0.16	0.06	2.34	-0.10	0.0	2.95e-06
94	73	392.50	-0.16	0.06	2.34	-0.07	1.23	0.0
94	73	445.00	-0.40	-0.04	2.50	-0.19	2.54	-7.75e-06
94	73	497.50	-0.96	0.36	0.70	-0.22	2.91	-3.54e-05
94	73	550.00	-0.70	0.36	-0.18	-0.03	2.82	-4.14e-05

94	73	600.00	-0.46	0.36	-1.04	0.15	2.30	-4.39e-05
94	73	650.00	-0.22	0.36	-1.88	0.33	1.36	-4.46e-05
94	73	700.00	0.18	-0.08	-2.72	0.29	0.0	-3.80e-05
94	79	340.00	-0.12	0.08	-0.70	-0.16	0.0	3.47e-05
94	79	392.50	-0.12	0.08	-0.70	-0.12	-0.37	3.52e-05
94	79	445.00	-0.30	-0.07	-0.75	-0.32	-0.76	7.68e-06
94	79	497.50	-0.79	0.58	-0.21	-0.38	-0.87	-5.98e-05
94	79	550.00	-0.53	0.58	0.05	-0.08	-0.85	-7.47e-05
94	79	600.00	-0.29	0.58	0.31	0.21	-0.69	-8.08e-05
94	79	650.00	-0.05	0.58	0.56	0.49	-0.41	-8.26e-05
94	79	700.00	0.34	-0.13	0.82	0.43	0.0	-7.07e-05
94	80	340.00	-0.12	0.08	-0.70	-0.17	0.0	3.95e-05
94	80	392.50	-0.12	0.08	-0.70	-0.13	-0.37	4.09e-05
94	80	445.00	-0.30	-0.08	-0.75	-0.34	-0.76	1.12e-05
94	80	497.50	-0.79	0.59	-0.21	-0.40	-0.87	-6.12e-05
94	80	550.00	-0.54	0.59	0.05	-0.09	-0.85	-7.72e-05
94	80	600.00	-0.29	0.59	0.31	0.21	-0.69	-8.38e-05
94	80	650.00	-0.05	0.59	0.56	0.50	-0.41	-8.58e-05
94	80	700.00	0.34	-0.13	0.82	0.44	0.0	-7.34e-05
94	92	340.00	-0.12	0.08	-3.52e-04	-0.17	0.0	2.99e-05
94	92	392.50	-0.12	0.08	-3.52e-04	-0.13	-1.85e-04	2.91e-05
94	92	445.00	-0.30	-0.08	1.40e-03	-0.33	5.49e-04	2.21e-06
94	92	497.50	-0.81	0.59	-2.15e-04	-0.40	4.36e-04	-6.59e-05
94	92	550.00	-0.56	0.59	-2.15e-04	-0.09	3.23e-04	-8.09e-05
94	92	600.00	-0.31	0.59	-2.15e-04	0.20	2.15e-04	-8.72e-05
94	92	650.00	-0.07	0.59	-2.15e-04	0.49	1.08e-04	-8.89e-05
94	92	700.00	0.32	-0.13	-2.15e-04	0.43	0.0	-7.60e-05
94	98	340.00	-0.13	0.07	-3.40e-04	-0.14	0.0	1.20e-05
94	98	392.50	-0.13	0.07	-3.40e-04	-0.10	-1.79e-04	8.56e-06
94	98	445.00	-0.33	-0.06	1.23e-03	-0.27	4.66e-04	-9.72e-06
94	98	497.50	-0.84	0.50	-1.83e-04	-0.32	3.70e-04	-5.89e-05
94	98	550.00	-0.59	0.50	-1.83e-04	-0.06	2.74e-04	-6.98e-05
94	98	600.00	-0.34	0.50	-1.83e-04	0.19	1.83e-04	-7.43e-05
94	98	650.00	-0.10	0.50	-1.83e-04	0.43	9.14e-05	-7.55e-05
94	98	700.00	0.29	-0.11	-1.83e-04	0.38	0.0	-6.44e-05
94	102	340.00	-0.16	0.05	0.47	-0.09	0.0	-1.51e-05
94	102	392.50	-0.16	0.05	0.47	-0.06	0.25	-2.19e-05
94	102	445.00	-0.41	-0.03	0.50	-0.17	0.51	-2.57e-05
94	102	497.50	-0.93	0.34	0.14	-0.20	0.58	-4.36e-05
94	102	550.00	-0.68	0.34	-0.04	-0.02	0.56	-4.75e-05
94	102	600.00	-0.43	0.34	-0.21	0.15	0.46	-4.92e-05
94	102	650.00	-0.19	0.34	-0.38	0.32	0.27	-4.94e-05
94	102	700.00	0.21	-0.08	-0.54	0.28	0.0	-4.20e-05
94	106	340.00	-0.16	0.05	-3.14e-04	-0.09	0.0	-1.83e-05
94	106	392.50	-0.16	0.05	-3.14e-04	-0.06	-1.65e-04	-2.61e-05
94	106	445.00	-0.41	-0.03	9.34e-04	-0.17	3.25e-04	-2.93e-05
94	106	497.50	-0.93	0.34	-1.28e-04	-0.20	2.58e-04	-4.60e-05
94	106	550.00	-0.68	0.34	-1.28e-04	-0.02	1.91e-04	-4.97e-05
94	106	600.00	-0.43	0.34	-1.28e-04	0.15	1.28e-04	-5.13e-05
94	106	650.00	-0.19	0.34	-1.28e-04	0.31	6.38e-05	-5.14e-05
94	106	700.00	0.21	-0.08	-1.28e-04	0.27	0.0	-4.37e-05
94	107	340.00	-0.14	0.07	-3.37e-04	-0.13	0.0	7.65e-06
94	107	392.50	-0.14	0.07	-3.37e-04	-0.10	-1.77e-04	3.61e-06
94	107	445.00	-0.34	-0.06	1.19e-03	-0.26	4.46e-04	-1.25e-05
94	107	497.50	-0.85	0.47	-1.75e-04	-0.31	3.54e-04	-5.71e-05
94	107	550.00	-0.60	0.47	-1.75e-04	-0.06	2.62e-04	-6.69e-05
94	107	600.00	-0.35	0.47	-1.75e-04	0.18	1.75e-04	-7.10e-05
94	107	650.00	-0.11	0.47	-1.75e-04	0.42	8.74e-05	-7.21e-05
94	107	700.00	0.28	-0.11	-1.75e-04	0.36	0.0	-6.15e-05
94	113	340.00	1.63	2.51	-0.10	-2.83	-0.03	0.02
94	113	392.50	1.63	2.51	-0.10	-2.79	-0.03	0.02
94	113	445.00	2.94	-1.06	-0.11	-6.06	-0.08	0.01
94	113	497.50	5.17	16.27	-1.27e-03	-14.98	-0.11	-4.94e-03
94	113	550.00	5.43	16.20	0.02	-6.59	-0.10	-3.36e-03
94	113	600.00	5.56	16.12	0.04	1.60	-0.09	-3.22e-03
94	113	650.00	5.91	16.03	0.06	9.50	-0.06	-3.81e-03
94	113	700.00	5.84	-1.20	0.09	13.01	-0.02	-3.62e-03
94	114	340.00	-1.91	-2.37	0.10	2.56	0.03	-0.02
94	114	392.50	-1.91	-2.37	0.10	2.59	0.02	-0.02
94	114	445.00	-3.63	0.94	0.11	5.54	0.08	-0.01
94	114	497.50	-6.88	-15.32	9.23e-04	14.37	0.11	4.83e-03
94	114	550.00	-6.63	-15.25	-0.02	6.48	0.10	3.23e-03
94	114	600.00	-6.27	-15.18	-0.04	-1.24	0.09	3.08e-03
94	114	650.00	-6.14	-15.08	-0.07	-8.67	0.06	3.66e-03
94	114	700.00	-5.28	0.98	-0.09	-12.28	0.02	3.50e-03

94	140	340.00	1.84	2.82	0.10	-3.16	0.03	0.02
94	140	392.50	1.84	2.82	0.10	-3.12	0.03	0.02
94	140	445.00	3.33	-1.19	0.12	-6.78	0.09	0.02
94	140	497.50	5.88	18.21	4.29e-03	-16.80	0.12	-5.56e-03
94	140	550.00	6.13	18.13	-0.02	-7.41	0.11	-3.79e-03
94	140	600.00	6.66	18.05	-0.05	1.67	0.10	-3.85e-03
94	140	650.00	6.59	17.94	-0.07	10.60	0.07	-4.26e-03
94	140	700.00	6.44	-1.33	-0.10	14.55	0.02	-4.06e-03
94	145	340.00	1.85	2.82	-0.11	-3.16	-0.03	0.02
94	145	392.50	1.85	2.82	-0.11	-3.12	-0.03	0.02
94	145	445.00	3.35	-1.18	-0.12	-6.79	-0.09	0.02
94	145	497.50	5.92	18.24	-1.45e-03	-16.81	-0.12	-5.56e-03
94	145	550.00	6.18	18.17	0.02	-7.40	-0.12	-3.78e-03
94	145	600.00	6.30	18.08	0.05	1.78	-0.10	-3.62e-03
94	145	650.00	6.66	17.98	0.07	10.64	-0.07	-4.28e-03
94	145	700.00	6.53	-1.33	0.10	14.59	-0.03	-4.07e-03
94	146	340.00	-2.13	-2.68	0.11	2.89	0.03	-0.02
94	146	392.50	-2.13	-2.68	0.11	2.93	0.03	-0.02
94	146	445.00	-4.04	1.07	0.12	6.27	0.09	-0.02
94	146	497.50	-7.63	-17.29	1.10e-03	16.20	0.12	5.44e-03
94	146	550.00	-7.39	-17.22	-0.02	7.29	0.12	3.64e-03
94	146	600.00	-7.01	-17.13	-0.05	-1.42	0.10	3.48e-03
94	146	650.00	-6.89	-17.03	-0.07	-9.80	0.07	4.13e-03
94	146	700.00	-5.97	1.12	-0.10	-13.86	0.03	3.95e-03
94	177	340.00	1.75	2.69	-0.11	-3.02	-0.03	0.02
94	177	392.50	1.75	2.69	-0.11	-2.98	-0.03	0.02
94	177	445.00	3.16	-1.12	-0.12	-6.47	-0.09	0.01
94	177	497.50	5.57	17.40	-1.84e-03	-16.01	-0.12	-5.42e-03
94	177	550.00	5.83	17.33	0.02	-7.04	-0.11	-3.78e-03
94	177	600.00	5.96	17.25	0.05	1.73	-0.10	-3.63e-03
94	177	650.00	6.31	17.15	0.07	10.18	-0.07	-4.27e-03
94	177	700.00	6.21	-1.28	0.10	13.94	-0.02	-4.05e-03
94	178	340.00	-2.02	-2.55	0.10	2.75	0.03	-0.02
94	178	392.50	-2.02	-2.55	0.10	2.78	0.03	-0.02
94	178	445.00	-3.85	1.01	0.12	5.95	0.09	-0.01
94	178	497.50	-7.28	-16.45	1.49e-03	15.40	0.12	5.30e-03
94	178	550.00	-7.03	-16.38	-0.02	6.92	0.11	3.65e-03
94	178	600.00	-6.66	-16.30	-0.05	-1.37	0.10	3.49e-03
94	178	650.00	-6.54	-16.20	-0.07	-9.34	0.07	4.12e-03
94	178	700.00	-5.65	1.06	-0.10	-13.21	0.02	3.93e-03
94	204	340.00	2.01	3.07	0.12	-3.43	0.03	0.02
94	204	392.50	2.01	3.07	0.12	-3.40	0.03	0.02
94	204	445.00	3.64	-1.29	0.14	-7.37	0.10	0.02
94	204	497.50	6.45	19.84	4.98e-03	-18.29	0.13	-6.29e-03
94	204	550.00	6.70	19.76	-0.02	-8.06	0.13	-4.45e-03
94	204	600.00	7.27	19.67	-0.05	1.84	0.11	-4.53e-03
94	204	650.00	7.15	19.56	-0.08	11.57	0.08	-4.99e-03
94	204	700.00	6.95	-1.44	-0.11	15.89	0.03	-4.72e-03
94	209	340.00	2.02	3.07	-0.12	-3.44	-0.03	0.02
94	209	392.50	2.02	3.07	-0.12	-3.40	-0.03	0.02
94	209	445.00	3.66	-1.28	-0.14	-7.38	-0.10	0.02
94	209	497.50	6.50	19.88	-2.17e-03	-18.31	-0.14	-6.28e-03
94	209	550.00	6.76	19.81	0.03	-8.05	-0.13	-4.43e-03
94	209	600.00	6.86	19.71	0.05	1.96	-0.11	-4.27e-03
94	209	650.00	7.24	19.60	0.08	11.62	-0.08	-5.00e-03
94	209	700.00	7.06	-1.45	0.11	15.95	-0.03	-4.74e-03
94	210	340.00	-2.29	-2.93	0.12	3.17	0.03	-0.02
94	210	392.50	-2.29	-2.93	0.12	3.21	0.03	-0.02
94	210	445.00	-4.35	1.16	0.14	6.86	0.10	-0.02
94	210	497.50	-8.20	-18.93	1.82e-03	17.69	0.14	6.17e-03
94	210	550.00	-7.96	-18.86	-0.03	7.94	0.13	4.30e-03
94	210	600.00	-7.57	-18.76	-0.05	-1.60	0.11	4.13e-03
94	210	650.00	-7.47	-18.65	-0.08	-10.79	0.08	4.86e-03
94	210	700.00	-6.50	1.24	-0.11	-15.22	0.03	4.62e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-8.20	-18.93	-4.08	-18.31	-1.31	-0.02
			7.27	19.88	3.75	17.69	4.37	0.02

Macro	Tipo	Angolo 1-Z (gradi)
95	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
95	4	340.00	19.62	-1.53	0.75	-2.12	0.0	-5.83e-03
95	4	392.50	19.62	-1.53	0.75	-2.92	0.40	-8.58e-03
95	4	445.00	14.30	-0.72	0.92	-5.08	0.54	-4.65e-03
95	4	497.50	10.95	5.77	0.29	-6.44	0.35	2.93e-03
95	4	550.00	5.82	5.83	0.54	-3.39	0.29	4.73e-03
95	4	600.00	0.97	5.86	0.56	-0.46	0.31	5.18e-03
95	4	650.00	-4.07	5.96	0.30	2.48	0.28	4.19e-03
95	4	700.00	-6.45	1.95	-0.62	3.83	0.0	4.73e-03
95	9	340.00	9.23	-0.66	0.83	-1.18	0.0	-3.39e-03
95	9	392.50	9.23	-0.66	0.83	-1.52	0.43	-5.02e-03
95	9	445.00	6.02	-0.10	0.90	-2.66	0.58	-2.70e-03
95	9	497.50	4.68	4.03	0.26	-3.25	0.37	1.95e-03
95	9	550.00	0.64	4.07	0.51	-1.12	0.29	2.89e-03
95	9	600.00	-3.14	4.08	0.54	0.92	0.30	2.97e-03
95	9	650.00	-7.05	4.16	0.32	2.97	0.27	2.16e-03
95	9	700.00	-8.75	1.45	-0.60	3.87	0.0	2.64e-03
95	28	340.00	19.59	-1.67	-0.65	-2.11	0.0	-6.62e-03
95	28	392.50	19.59	-1.67	-0.65	-2.99	-0.34	-9.99e-03
95	28	445.00	15.10	-0.84	-0.39	-5.17	-0.41	-5.51e-03
95	28	497.50	12.22	5.52	-0.03	-6.59	-0.26	2.29e-03
95	28	550.00	7.39	5.57	-0.14	-3.67	-0.16	4.37e-03
95	28	600.00	2.72	5.60	-0.21	-0.88	-0.12	5.08e-03
95	28	650.00	-2.27	5.70	-0.20	1.94	-0.10	4.31e-03
95	28	700.00	-4.75	1.86	0.25	3.25	0.0	4.73e-03
95	51	340.00	19.70	-1.61	-0.17	-2.04	0.0	-5.90e-03
95	51	392.50	19.70	-1.61	-0.17	-2.89	-0.09	-8.78e-03
95	51	445.00	15.17	-0.84	0.04	-5.00	-0.09	-4.82e-03
95	51	497.50	12.38	5.25	0.08	-6.37	-0.05	2.47e-03
95	51	550.00	7.64	5.30	0.08	-3.60	-0.01	4.30e-03
95	51	600.00	3.10	5.33	0.05	-0.94	0.02	4.83e-03
95	51	650.00	-1.69	5.43	-0.03	1.74	0.03	3.99e-03
95	51	700.00	-4.07	1.69	-0.05	2.98	0.0	4.44e-03
95	68	340.00	13.59	-1.07	0.50	-1.47	0.0	-4.08e-03
95	68	392.50	13.59	-1.07	0.50	-2.04	0.26	-6.03e-03
95	68	445.00	9.95	-0.49	0.62	-3.53	0.36	-3.27e-03
95	68	497.50	7.78	4.07	0.20	-4.47	0.23	2.05e-03
95	68	550.00	4.08	4.11	0.36	-2.32	0.19	3.30e-03
95	68	600.00	0.59	4.13	0.37	-0.26	0.21	3.59e-03
95	68	650.00	-3.05	4.20	0.20	1.82	0.19	2.88e-03
95	68	700.00	-4.77	1.36	-0.41	2.76	0.0	3.27e-03
95	69	340.00	6.66	-0.48	0.55	-0.85	0.0	-2.46e-03
95	69	392.50	6.66	-0.48	0.55	-1.10	0.29	-3.66e-03
95	69	445.00	4.43	-0.08	0.60	-1.92	0.38	-1.96e-03
95	69	497.50	3.60	2.91	0.18	-2.34	0.24	1.39e-03
95	69	550.00	0.64	2.93	0.34	-0.81	0.19	2.07e-03
95	69	600.00	-2.15	2.94	0.36	0.66	0.20	2.12e-03
95	69	650.00	-5.04	3.00	0.21	2.14	0.18	1.52e-03
95	69	700.00	-6.30	1.03	-0.40	2.79	0.0	1.88e-03
95	80	340.00	13.57	-1.16	-0.44	-1.47	0.0	-4.61e-03
95	80	392.50	13.57	-1.16	-0.44	-2.08	-0.23	-6.97e-03
95	80	445.00	10.48	-0.57	-0.26	-3.59	-0.28	-3.84e-03
95	80	497.50	8.63	3.90	-0.02	-4.57	-0.18	1.62e-03
95	80	550.00	5.14	3.94	-0.09	-2.51	-0.11	3.06e-03
95	80	600.00	1.76	3.95	-0.14	-0.53	-0.08	3.53e-03
95	80	650.00	-1.85	4.03	-0.13	1.45	-0.07	2.96e-03
95	80	700.00	-3.63	1.30	0.16	2.38	0.0	3.27e-03
95	91	340.00	13.64	-1.12	-0.12	-1.42	0.0	-4.14e-03
95	91	392.50	13.64	-1.12	-0.12	-2.01	-0.06	-6.16e-03
95	91	445.00	10.53	-0.57	0.03	-3.48	-0.06	-3.38e-03
95	91	497.50	8.74	3.72	0.05	-4.42	-0.04	1.74e-03
95	91	550.00	5.30	3.76	0.06	-2.46	-7.75e-03	3.01e-03
95	91	600.00	2.01	3.77	0.03	-0.58	0.02	3.36e-03
95	91	650.00	-1.46	3.84	-0.02	1.32	0.02	2.74e-03
95	91	700.00	-3.18	1.19	-0.03	2.19	0.0	3.08e-03
95	98	340.00	11.57	-0.95	-0.10	-1.22	0.0	-3.59e-03
95	98	392.50	11.57	-0.95	-0.10	-1.72	-0.05	-5.37e-03
95	98	445.00	8.95	-0.46	0.03	-2.97	-0.05	-2.94e-03
95	98	497.50	7.63	3.30	0.05	-3.76	-0.03	1.52e-03
95	98	550.00	4.46	3.33	0.05	-2.02	-7.44e-03	2.60e-03
95	98	600.00	1.43	3.35	0.03	-0.35	0.01	2.87e-03
95	98	650.00	-1.77	3.41	-0.02	1.33	0.01	2.29e-03
95	98	700.00	-3.34	1.04	-0.03	2.10	0.0	2.62e-03
95	99	340.00	6.74	-0.54	-0.07	-0.77	0.0	-2.39e-03

95	99	392.50	6.74	-0.54	-0.07	-1.05	-0.04	-3.62e-03
95	99	445.00	5.16	-0.18	0.01	-1.82	-0.04	-1.97e-03
95	99	497.50	4.84	2.41	0.03	-2.25	-0.02	1.04e-03
95	99	550.00	2.24	2.44	0.03	-0.97	-6.62e-03	1.70e-03
95	99	600.00	-0.26	2.45	0.02	0.25	6.74e-03	1.80e-03
95	99	650.00	-2.88	2.49	-0.01	1.48	7.45e-03	1.31e-03
95	99	700.00	-4.11	0.77	-0.01	2.01	0.0	1.60e-03
95	106	340.00	6.76	-0.55	-0.06	-0.75	0.0	-2.31e-03
95	106	392.50	6.76	-0.55	-0.06	-1.04	-0.03	-3.51e-03
95	106	445.00	5.27	-0.20	0.01	-1.79	-0.03	-1.91e-03
95	106	497.50	5.03	2.32	0.03	-2.21	-0.02	1.01e-03
95	106	550.00	2.49	2.34	0.03	-0.99	-6.71e-03	1.65e-03
95	106	600.00	0.06	2.35	0.02	0.18	5.89e-03	1.74e-03
95	106	650.00	-2.50	2.40	-9.12e-03	1.37	6.50e-03	1.26e-03
95	106	700.00	-3.71	0.71	-0.01	1.88	0.0	1.55e-03
95	107	340.00	10.89	-0.89	-0.10	-1.15	0.0	-3.41e-03
95	107	392.50	10.89	-0.89	-0.10	-1.62	-0.05	-5.10e-03
95	107	445.00	8.42	-0.42	0.02	-2.80	-0.05	-2.79e-03
95	107	497.50	7.25	3.16	0.04	-3.54	-0.03	1.45e-03
95	107	550.00	4.18	3.19	0.05	-1.87	-7.33e-03	2.46e-03
95	107	600.00	1.23	3.20	0.03	-0.27	0.01	2.71e-03
95	107	650.00	-1.88	3.26	-0.02	1.34	0.01	2.15e-03
95	107	700.00	-3.39	1.00	-0.02	2.06	0.0	2.46e-03
95	108	340.00	8.44	-11.66	0.04	-15.00	0.03	-0.10
95	108	392.50	8.44	-11.66	0.04	-15.47	-0.02	-0.09
95	108	445.00	3.46	-3.08	0.10	-32.47	0.04	-0.07
95	108	497.50	-1.03	56.14	0.01	-63.32	0.07	3.74e-04
95	108	550.00	-5.48	55.89	0.01	-33.70	0.08	0.05
95	108	600.00	-10.87	55.67	0.03	-3.60	0.09	0.07
95	108	650.00	-13.60	55.48	-0.06	22.72	0.06	0.08
95	108	700.00	-16.18	18.62	-0.18	44.14	0.02	0.06
95	113	340.00	9.37	-13.31	-0.21	-15.17	-0.03	-0.10
95	113	392.50	9.37	-13.31	-0.21	-15.64	-0.08	-0.09
95	113	445.00	5.84	-3.55	-0.08	-33.06	-0.13	-0.07
95	113	497.50	2.12	55.85	0.03	-63.68	-0.15	-8.77e-04
95	113	550.00	-0.17	55.60	0.05	-34.97	-0.12	0.05
95	113	600.00	-4.96	55.39	3.40e-03	-4.73	-0.10	0.07
95	113	650.00	-7.04	55.19	0.05	21.75	-0.12	0.08
95	113	700.00	-8.04	18.06	0.15	42.14	-0.06	0.06
95	124	340.00	7.82	-4.89	0.33	-10.96	0.11	-0.04
95	124	392.50	7.82	-4.89	0.33	-11.43	0.06	-0.04
95	124	445.00	2.15	-1.34	0.31	-23.21	0.25	-0.03
95	124	497.50	-3.11	40.24	-6.69e-03	-44.73	0.33	0.01
95	124	550.00	-8.85	40.10	-9.57e-03	-23.64	0.33	0.03
95	124	600.00	-14.32	39.99	0.07	-2.65	0.35	0.04
95	124	650.00	-19.48	39.92	-0.19	16.98	0.33	0.04
95	124	700.00	-22.69	13.65	-0.61	32.58	0.14	0.02
95	127	340.00	13.95	3.11	-0.52	8.65	-0.11	0.04
95	127	392.50	13.95	3.11	-0.52	8.18	-0.16	0.03
95	127	445.00	14.70	0.49	-0.26	17.61	-0.35	0.02
95	127	497.50	17.62	-33.92	0.09	37.65	-0.40	-7.70e-03
95	127	550.00	17.20	-33.72	0.10	19.90	-0.34	-0.02
95	127	600.00	16.78	-33.58	-0.02	2.11	-0.33	-0.03
95	127	650.00	15.73	-33.39	0.16	-14.31	-0.30	-0.03
95	127	700.00	15.91	-11.66	0.57	-28.45	-0.14	-0.02
95	140	340.00	8.13	-13.01	0.05	-16.73	0.04	-0.11
95	140	392.50	8.13	-13.01	0.05	-17.19	-0.01	-0.10
95	140	445.00	2.84	-3.41	0.10	-36.17	0.05	-0.08
95	140	497.50	-2.06	62.75	8.45e-03	-70.78	0.09	2.14e-04
95	140	550.00	-6.69	62.46	8.84e-03	-37.67	0.09	0.06
95	140	600.00	-12.37	62.22	0.03	-4.02	0.11	0.08
95	140	650.00	-15.06	62.00	-0.07	25.39	0.07	0.09
95	140	700.00	-17.77	20.82	-0.20	49.40	0.03	0.07
95	145	340.00	9.18	-14.86	-0.23	-16.92	-0.03	-0.11
95	145	392.50	9.18	-14.86	-0.23	-17.38	-0.08	-0.10
95	145	445.00	5.51	-3.94	-0.09	-36.83	-0.15	-0.08
95	145	497.50	1.48	62.43	0.03	-71.18	-0.16	-1.20e-03
95	145	550.00	-0.72	62.15	0.05	-39.10	-0.13	0.06
95	145	600.00	-5.73	61.90	5.16e-04	-5.29	-0.12	0.08
95	145	650.00	-7.68	61.68	0.05	24.30	-0.14	0.09
95	145	700.00	-8.63	20.19	0.18	47.15	-0.07	0.07
95	156	340.00	7.45	-5.39	0.38	-12.17	0.12	-0.05
95	156	392.50	7.45	-5.39	0.38	-12.64	0.07	-0.05
95	156	445.00	1.38	-1.45	0.34	-25.74	0.29	-0.03
95	156	497.50	-4.40	44.83	-0.01	-49.82	0.38	0.01

95	156	550.00	-10.47	44.67	-0.02	-26.33	0.37	0.03
95	156	600.00	-16.25	44.55	0.08	-2.95	0.40	0.04
95	156	650.00	-21.68	44.46	-0.21	18.93	0.37	0.04
95	156	700.00	-25.10	15.22	-0.69	36.37	0.16	0.03
95	159	340.00	14.33	3.61	-0.57	9.86	-0.12	0.04
95	159	392.50	14.33	3.61	-0.57	9.39	-0.17	0.04
95	159	445.00	15.47	0.61	-0.30	20.13	-0.39	0.03
95	159	497.50	18.91	-38.52	0.10	42.74	-0.44	-8.85e-03
95	159	550.00	18.83	-38.29	0.11	22.59	-0.38	-0.03
95	159	600.00	18.72	-38.14	-0.03	2.40	-0.37	-0.04
95	159	650.00	17.92	-37.93	0.18	-16.25	-0.34	-0.04
95	159	700.00	18.32	-13.23	0.64	-32.24	-0.16	-0.02
95	172	340.00	8.28	-12.38	0.04	-15.95	0.04	-0.11
95	172	392.50	8.28	-12.38	0.04	-16.42	-0.01	-0.10
95	172	445.00	3.13	-3.24	0.10	-34.52	0.05	-0.08
95	172	497.50	-1.64	59.93	9.72e-03	-67.47	0.08	-5.48e-04
95	172	550.00	-6.20	59.66	9.48e-03	-35.84	0.08	0.05
95	172	600.00	-11.68	59.43	0.03	-3.82	0.10	0.07
95	172	650.00	-14.52	59.23	-0.06	24.39	0.07	0.08
95	172	700.00	-17.22	19.86	-0.19	47.29	0.03	0.06
95	177	340.00	9.27	-14.17	-0.23	-16.14	-0.03	-0.11
95	177	392.50	9.27	-14.17	-0.23	-16.61	-0.08	-0.10
95	177	445.00	5.71	-3.75	-0.09	-35.16	-0.15	-0.08
95	177	497.50	1.86	59.61	0.03	-67.89	-0.16	-1.95e-03
95	177	550.00	-0.35	59.34	0.04	-37.24	-0.13	0.05
95	177	600.00	-5.15	59.12	-1.33e-04	-5.06	-0.12	0.07
95	177	650.00	-7.27	58.91	0.05	23.32	-0.14	0.08
95	177	700.00	-8.24	19.26	0.18	45.09	-0.07	0.06
95	188	340.00	7.61	-5.21	0.36	-11.66	0.12	-0.05
95	188	392.50	7.61	-5.21	0.36	-12.13	0.07	-0.05
95	188	445.00	1.62	-1.41	0.33	-24.71	0.28	-0.03
95	188	497.50	-4.11	43.12	-0.01	-47.81	0.36	0.01
95	188	550.00	-10.12	42.97	-0.01	-25.21	0.36	0.03
95	188	600.00	-15.81	42.85	0.08	-2.77	0.39	0.04
95	188	650.00	-21.25	42.78	-0.21	18.31	0.36	0.04
95	188	700.00	-24.68	14.65	-0.68	35.05	0.16	0.03
95	191	340.00	14.17	3.43	-0.55	9.35	-0.12	0.04
95	191	392.50	14.17	3.43	-0.55	8.88	-0.17	0.04
95	191	445.00	15.23	0.57	-0.28	19.10	-0.38	0.03
95	191	497.50	18.62	-36.80	0.10	40.73	-0.42	-8.47e-03
95	191	550.00	18.48	-36.59	0.11	21.47	-0.37	-0.03
95	191	600.00	18.27	-36.45	-0.03	2.22	-0.36	-0.03
95	191	650.00	17.50	-36.25	0.17	-15.63	-0.34	-0.04
95	191	700.00	17.90	-12.65	0.63	-30.92	-0.16	-0.02
95	204	340.00	7.91	-14.04	0.06	-18.10	0.04	-0.12
95	204	392.50	7.91	-14.04	0.06	-18.57	-0.01	-0.12
95	204	445.00	2.37	-3.63	0.11	-39.13	0.06	-0.09
95	204	497.50	-2.95	68.25	4.43e-03	-76.77	0.09	-1.35e-03
95	204	550.00	-7.72	67.94	3.09e-03	-40.75	0.09	0.06
95	204	600.00	-13.53	67.68	0.03	-4.32	0.11	0.08
95	204	650.00	-16.42	67.45	-0.07	27.85	0.07	0.09
95	204	700.00	-19.29	22.62	-0.22	53.99	0.03	0.07
95	209	340.00	9.04	-16.10	-0.25	-18.32	-0.04	-0.12
95	209	392.50	9.04	-16.10	-0.25	-18.79	-0.09	-0.12
95	209	445.00	5.35	-4.23	-0.11	-39.88	-0.16	-0.09
95	209	497.50	1.13	67.87	0.03	-77.26	-0.18	-2.99e-03
95	209	550.00	-0.93	67.57	0.04	-42.36	-0.16	0.06
95	209	600.00	-5.95	67.31	-5.05e-03	-5.76	-0.14	0.08
95	209	650.00	-7.98	67.07	0.07	26.60	-0.17	0.09
95	209	700.00	-8.87	21.92	0.21	51.46	-0.08	0.07
95	220	340.00	7.12	-5.86	0.43	-13.22	0.14	-0.05
95	220	392.50	7.12	-5.86	0.43	-13.68	0.09	-0.05
95	220	445.00	0.57	-1.55	0.38	-27.96	0.33	-0.04
95	220	497.50	-5.91	49.12	-0.02	-54.41	0.42	0.01
95	220	550.00	-12.39	48.95	-0.02	-28.66	0.41	0.04
95	220	600.00	-18.49	48.81	0.09	-3.11	0.45	0.05
95	220	650.00	-24.35	48.72	-0.23	20.91	0.42	0.05
95	220	700.00	-28.11	16.70	-0.78	40.05	0.18	0.03
95	223	340.00	14.65	4.07	-0.63	10.91	-0.14	0.05
95	223	392.50	14.65	4.07	-0.63	10.44	-0.19	0.04
95	223	445.00	16.28	0.71	-0.33	22.36	-0.43	0.03
95	223	497.50	20.42	-42.80	0.11	47.33	-0.48	-0.01
95	223	550.00	20.75	-42.57	0.12	24.92	-0.43	-0.03
95	223	600.00	20.96	-42.41	-0.04	2.57	-0.42	-0.04
95	223	650.00	20.59	-42.19	0.20	-18.23	-0.39	-0.04

95	223	700.00	21.33	-14.71	0.74	-35.92	-0.18	-0.03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-28.11	-42.80	-0.78	-77.26	-0.48	-0.12
			21.33	68.25	0.92	53.99	0.58	0.09

Macro	Tipo	Angolo 1-Z (gradi)
96	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
96	4	340.00	0.13	0.40	2.11	-0.77	0.0	2.29e-03
96	4	392.50	0.13	0.40	2.11	-0.56	1.11	2.71e-03
96	4	445.00	0.18	-0.37	2.27	-1.52	2.30	1.79e-03
96	4	497.50	-0.09	2.43	0.63	-1.92	2.63	-5.19e-04
96	4	550.00	0.24	2.43	-0.16	-0.64	2.54	-1.02e-03
96	4	600.00	0.55	2.43	-0.94	0.58	2.07	-1.22e-03
96	4	650.00	0.87	2.43	-1.70	1.79	1.23	-1.30e-03
96	4	700.00	1.21	-0.44	-2.45	1.57	0.0	-1.12e-03
96	18	340.00	0.10	0.31	3.52	-0.68	0.0	3.37e-03
96	18	392.50	0.10	0.31	3.52	-0.51	1.85	3.97e-03
96	18	445.00	0.11	-0.36	3.77	-1.36	3.83	2.60e-03
96	18	497.50	-0.23	2.17	1.05	-1.70	4.38	-7.61e-04
96	18	550.00	0.10	2.17	-0.27	-0.56	4.24	-1.49e-03
96	18	600.00	0.42	2.17	-1.57	0.53	3.46	-1.79e-03
96	18	650.00	0.73	2.17	-2.83	1.61	2.04	-1.90e-03
96	18	700.00	1.09	-0.40	-4.09	1.41	0.0	-1.64e-03
96	41	340.00	-0.09	0.13	-1.76	-0.38	0.0	-1.15e-03
96	41	392.50	-0.09	0.13	-1.76	-0.31	-0.93	-1.36e-03
96	41	445.00	-0.29	-0.22	-1.88	-0.79	-1.91	-8.97e-04
96	41	497.50	-0.78	1.29	-0.53	-0.97	-2.19	1.24e-04
96	41	550.00	-0.46	1.29	0.14	-0.30	-2.12	3.47e-04
96	41	600.00	-0.14	1.29	0.78	0.34	-1.73	4.38e-04
96	41	650.00	0.18	1.29	1.41	0.99	-1.02	4.72e-04
96	41	700.00	0.64	-0.25	2.04	0.86	0.0	4.11e-04
96	68	340.00	0.07	0.27	1.41	-0.54	0.0	1.55e-03
96	68	392.50	0.07	0.27	1.41	-0.40	0.74	1.83e-03
96	68	445.00	0.08	-0.27	1.51	-1.07	1.53	1.21e-03
96	68	497.50	-0.16	1.71	0.42	-1.34	1.75	-3.57e-04
96	68	550.00	0.09	1.71	-0.11	-0.44	1.70	-6.96e-04
96	68	600.00	0.34	1.71	-0.63	0.41	1.38	-8.35e-04
96	68	650.00	0.58	1.71	-1.13	1.27	0.82	-8.86e-04
96	68	700.00	0.86	-0.31	-1.63	1.11	0.0	-7.67e-04
96	75	340.00	0.05	0.21	2.35	-0.47	0.0	2.27e-03
96	75	392.50	0.05	0.21	2.35	-0.36	1.23	2.67e-03
96	75	445.00	0.03	-0.26	2.52	-0.96	2.55	1.75e-03
96	75	497.50	-0.26	1.54	0.70	-1.20	2.92	-5.18e-04
96	75	550.00	-3.46e-03	1.54	-0.18	-0.39	2.83	-1.01e-03
96	75	600.00	0.24	1.54	-1.04	0.38	2.30	-1.21e-03
96	75	650.00	0.48	1.54	-1.88	1.15	1.36	-1.29e-03
96	75	700.00	0.78	-0.28	-2.72	1.01	0.0	-1.11e-03
96	85	340.00	-0.07	0.09	-1.18	-0.28	0.0	-7.46e-04
96	85	392.50	-0.07	0.09	-1.18	-0.23	-0.62	-8.81e-04
96	85	445.00	-0.23	-0.17	-1.26	-0.58	-1.28	-5.82e-04
96	85	497.50	-0.62	0.95	-0.35	-0.72	-1.46	7.13e-05
96	85	550.00	-0.37	0.95	0.09	-0.22	-1.41	2.14e-04
96	85	600.00	-0.12	0.95	0.52	0.26	-1.15	2.73e-04
96	85	650.00	0.12	0.95	0.94	0.73	-0.68	2.95e-04
96	85	700.00	0.48	-0.18	1.36	0.64	0.0	2.57e-04
96	98	340.00	0.02	0.21	-5.90e-04	-0.44	0.0	3.37e-04
96	98	392.50	0.02	0.21	-5.90e-04	-0.33	-3.10e-04	4.04e-04
96	98	445.00	-0.04	-0.22	1.76e-03	-0.88	6.13e-04	2.80e-04
96	98	497.50	-0.33	1.42	-2.40e-04	-1.10	4.87e-04	-1.00e-04
96	98	550.00	-0.08	1.42	-2.40e-04	-0.36	3.60e-04	-1.82e-04
96	98	600.00	0.16	1.42	-2.40e-04	0.35	2.40e-04	-2.15e-04
96	98	650.00	0.40	1.42	-2.40e-04	1.06	1.20e-04	-2.27e-04
96	98	700.00	0.71	-0.26	-2.40e-04	0.93	0.0	-1.96e-04
96	103	340.00	0.01	0.19	0.47	-0.42	0.0	7.04e-04
96	103	392.50	0.01	0.19	0.47	-0.32	0.25	8.35e-04
96	103	445.00	-0.05	-0.22	0.50	-0.85	0.51	5.57e-04
96	103	497.50	-0.36	1.37	0.14	-1.06	0.58	-1.81e-04
96	103	550.00	-0.11	1.37	-0.04	-0.34	0.57	-3.41e-04

96	103	600.00	0.14	1.37	-0.21	0.34	0.46	-4.06e-04
96	103	650.00	0.38	1.37	-0.38	1.03	0.27	-4.30e-04
96	103	700.00	0.69	-0.25	-0.54	0.90	0.0	-3.72e-04
96	104	340.00	-0.06	0.09	-0.24	-0.28	0.0	2.84e-05
96	104	392.50	-0.06	0.09	-0.24	-0.24	-0.12	3.52e-05
96	104	445.00	-0.21	-0.17	-0.25	-0.60	-0.25	2.59e-05
96	104	497.50	-0.60	0.97	-0.07	-0.73	-0.29	-6.14e-05
96	104	550.00	-0.35	0.97	0.02	-0.22	-0.28	-7.95e-05
96	104	600.00	-0.11	0.97	0.10	0.26	-0.23	-8.69e-05
96	104	650.00	0.13	0.97	0.19	0.74	-0.14	-8.92e-05
96	104	700.00	0.49	-0.18	0.27	0.65	0.0	-7.64e-05
96	106	340.00	-0.06	0.09	-3.57e-04	-0.28	0.0	2.22e-04
96	106	392.50	-0.06	0.09	-3.57e-04	-0.24	-1.87e-04	2.64e-04
96	106	445.00	-0.20	-0.18	1.52e-03	-0.60	6.11e-04	1.78e-04
96	106	497.50	-0.60	0.97	-2.39e-04	-0.73	4.85e-04	-9.46e-05
96	106	550.00	-0.35	0.97	-2.39e-04	-0.22	3.59e-04	-1.53e-04
96	106	600.00	-0.10	0.97	-2.39e-04	0.26	2.39e-04	-1.77e-04
96	106	650.00	0.14	0.97	-2.39e-04	0.75	1.20e-04	-1.85e-04
96	106	700.00	0.49	-0.19	-2.39e-04	0.65	0.0	-1.60e-04
96	107	340.00	6.11e-03	0.20	-5.56e-04	-0.42	0.0	3.21e-04
96	107	392.50	6.11e-03	0.20	-5.56e-04	-0.32	-2.92e-04	3.84e-04
96	107	445.00	-0.06	-0.22	1.72e-03	-0.84	6.13e-04	2.65e-04
96	107	497.50	-0.37	1.36	-2.40e-04	-1.05	4.86e-04	-9.95e-05
96	107	550.00	-0.12	1.36	-2.40e-04	-0.34	3.60e-04	-1.78e-04
96	107	600.00	0.13	1.36	-2.40e-04	0.34	2.40e-04	-2.10e-04
96	107	650.00	0.37	1.36	-2.40e-04	1.02	1.20e-04	-2.21e-04
96	107	700.00	0.68	-0.25	-2.40e-04	0.89	0.0	-1.91e-04
96	108	340.00	1.65	2.44	0.06	-2.99	7.92e-03	0.02
96	108	392.50	1.65	2.44	0.06	-2.89	7.63e-03	0.02
96	108	445.00	2.98	-1.22	0.27	-6.39	0.18	0.01
96	108	497.50	5.23	16.49	-0.02	-15.08	0.24	-4.64e-03
96	108	550.00	5.48	16.43	-0.05	-6.56	0.22	-3.13e-03
96	108	600.00	5.98	16.35	-0.09	1.66	0.19	-2.87e-03
96	108	650.00	5.94	16.26	-0.14	9.76	0.13	-2.85e-03
96	108	700.00	5.77	-1.30	-0.19	13.05	0.05	-2.69e-03
96	111	340.00	-1.63	-2.05	-0.06	2.15	-7.92e-03	-0.02
96	111	392.50	-1.63	-2.05	-0.06	2.26	-8.21e-03	-0.02
96	111	445.00	-3.11	0.78	-0.26	4.71	-0.17	-0.01
96	111	497.50	-5.97	-13.78	0.01	12.97	-0.24	4.45e-03
96	111	550.00	-5.72	-13.72	0.04	5.88	-0.22	2.77e-03
96	111	600.00	-5.73	-13.64	0.09	-0.98	-0.19	2.45e-03
96	111	650.00	-5.20	-13.55	0.13	-7.72	-0.13	2.41e-03
96	111	700.00	-4.41	0.80	0.19	-11.26	-0.05	2.31e-03
96	140	340.00	1.85	2.72	0.07	-3.32	8.87e-03	0.02
96	140	392.50	1.85	2.72	0.07	-3.21	8.58e-03	0.02
96	140	445.00	3.36	-1.34	0.30	-7.09	0.20	0.02
96	140	497.50	5.93	18.38	-0.02	-16.83	0.27	-5.22e-03
96	140	550.00	6.18	18.31	-0.05	-7.34	0.25	-3.50e-03
96	140	600.00	6.71	18.23	-0.10	1.83	0.21	-3.21e-03
96	140	650.00	6.63	18.12	-0.15	10.85	0.15	-3.19e-03
96	140	700.00	6.41	-1.43	-0.21	14.57	0.05	-3.00e-03
96	143	340.00	-1.84	-2.33	-0.07	2.48	-8.87e-03	-0.02
96	143	392.50	-1.84	-2.33	-0.07	2.58	-9.17e-03	-0.02
96	143	445.00	-3.49	0.91	-0.30	5.40	-0.20	-0.02
96	143	497.50	-6.67	-15.67	0.02	14.72	-0.27	5.02e-03
96	143	550.00	-6.42	-15.60	0.05	6.66	-0.25	3.15e-03
96	143	600.00	-6.46	-15.51	0.10	-1.15	-0.21	2.79e-03
96	143	650.00	-5.90	-15.41	0.15	-8.81	-0.14	2.75e-03
96	143	700.00	-5.04	0.93	0.21	-12.78	-0.05	2.62e-03
96	172	340.00	1.75	2.61	0.07	-3.18	8.91e-03	0.02
96	172	392.50	1.75	2.61	0.07	-3.07	8.62e-03	0.02
96	172	445.00	3.18	-1.28	0.29	-6.79	0.19	0.02
96	172	497.50	5.59	17.58	-0.02	-16.06	0.26	-5.05e-03
96	172	550.00	5.85	17.51	-0.05	-6.99	0.25	-3.49e-03
96	172	600.00	6.37	17.43	-0.09	1.78	0.21	-3.21e-03
96	172	650.00	6.30	17.33	-0.15	10.41	0.14	-3.18e-03
96	172	700.00	6.10	-1.38	-0.20	13.94	0.05	-2.98e-03
96	175	340.00	-1.74	-2.22	-0.07	2.34	-8.91e-03	-0.02
96	175	392.50	-1.74	-2.22	-0.07	2.44	-9.21e-03	-0.02
96	175	445.00	-3.30	0.85	-0.29	5.10	-0.19	-0.01
96	175	497.50	-6.33	-14.86	0.02	13.96	-0.26	4.85e-03
96	175	550.00	-6.08	-14.80	0.05	6.31	-0.24	3.14e-03
96	175	600.00	-6.12	-14.71	0.09	-1.10	-0.20	2.79e-03
96	175	650.00	-5.57	-14.62	0.15	-8.37	-0.14	2.73e-03
96	175	700.00	-4.74	0.87	0.20	-12.15	-0.05	2.60e-03

96	204	340.00	2.00	2.97	0.08	-3.58	0.01	0.02
96	204	392.50	2.00	2.97	0.08	-3.48	0.01	0.02
96	204	445.00	3.64	-1.44	0.34	-7.65	0.22	0.02
96	204	497.50	6.45	19.96	-0.02	-18.26	0.30	-5.83e-03
96	204	550.00	6.70	19.88	-0.06	-7.95	0.29	-4.07e-03
96	204	600.00	7.27	19.79	-0.11	2.00	0.24	-3.74e-03
96	204	650.00	7.15	19.68	-0.17	11.80	0.17	-3.69e-03
96	204	700.00	6.88	-1.54	-0.24	15.87	0.06	-3.46e-03
96	207	340.00	-1.99	-2.57	-0.08	2.74	-0.01	-0.02
96	207	392.50	-1.99	-2.57	-0.08	2.84	-0.01	-0.02
96	207	445.00	-3.77	1.00	-0.33	5.97	-0.22	-0.02
96	207	497.50	-7.19	-17.24	0.02	16.15	-0.30	5.63e-03
96	207	550.00	-6.94	-17.17	0.06	7.28	-0.28	3.71e-03
96	207	600.00	-7.02	-17.07	0.11	-1.32	-0.24	3.32e-03
96	207	650.00	-6.42	-16.96	0.17	-9.76	-0.16	3.25e-03
96	207	700.00	-5.51	1.04	0.24	-14.08	-0.06	3.08e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.19	-17.24	-4.09	-18.26	-2.19	-0.02
	7.27	19.96	3.77	16.15	4.38	0.02

Macro	Tipo	Angolo 1-Z (gradi)
97	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
97	4	340.00	8.61	0.44	0.60	1.60	0.0	-0.10
97	4	392.50	8.61	0.44	0.60	1.82	0.31	-0.09
97	4	445.00	7.34	1.12	0.56	-1.47	0.52	-0.06
97	4	497.50	7.95	6.87	-0.02	-2.88	0.42	2.20e-03
97	4	550.00	3.85	7.13	0.05	-1.84	0.31	0.03
97	4	600.00	-0.14	7.30	0.07	-0.80	0.23	0.04
97	4	650.00	-4.27	7.62	0.04	0.28	0.16	0.06
97	4	700.00	-5.80	2.71	-0.34	0.54	0.0	0.07
97	11	340.00	7.36	0.72	0.60	1.06	0.0	-0.10
97	11	392.50	7.36	0.72	0.60	1.44	0.31	-0.08
97	11	445.00	6.18	1.29	0.56	-1.64	0.52	-0.06
97	11	497.50	6.77	6.69	-0.01	-2.96	0.42	1.90e-03
97	11	550.00	2.84	6.95	0.06	-1.92	0.31	0.03
97	11	600.00	-1.00	7.11	0.07	-0.89	0.24	0.04
97	11	650.00	-4.96	7.42	0.04	0.18	0.16	0.06
97	11	700.00	-6.35	2.68	-0.35	0.46	0.0	0.07
97	18	340.00	7.38	0.71	0.99	1.12	0.0	-0.15
97	18	392.50	7.38	0.71	0.99	1.49	0.52	-0.13
97	18	445.00	6.12	1.30	0.90	-1.62	0.83	-0.09
97	18	497.50	6.67	6.51	0.03	-2.97	0.67	2.63e-05
97	18	550.00	2.79	6.88	0.13	-1.96	0.52	0.04
97	18	600.00	-1.00	7.14	0.14	-0.91	0.41	0.07
97	18	650.00	-4.91	7.54	0.04	0.22	0.28	0.09
97	18	700.00	-6.25	2.69	-0.62	0.55	0.0	0.11
97	27	340.00	8.50	0.40	-0.28	1.56	0.0	0.03
97	27	392.50	8.50	0.40	-0.28	1.77	-0.14	0.01
97	27	445.00	7.76	0.99	-0.20	-1.15	-0.18	0.02
97	27	497.50	8.67	6.54	-0.11	-2.33	-0.15	5.78e-03
97	27	550.00	5.06	6.54	-0.13	-1.25	-0.16	-2.76e-03
97	27	600.00	1.57	6.50	-0.09	-0.28	-0.16	-0.01
97	27	650.00	-2.05	6.62	0.04	0.62	-0.13	-0.02
97	27	700.00	-3.50	2.38	0.27	0.81	0.0	-0.03
97	68	340.00	6.00	0.47	0.40	0.98	0.0	-0.07
97	68	392.50	6.00	0.47	0.40	1.23	0.21	-0.06
97	68	445.00	5.15	0.92	0.38	-1.13	0.35	-0.04
97	68	497.50	5.65	5.05	-0.01	-2.14	0.28	1.72e-03
97	68	550.00	2.70	5.24	0.03	-1.34	0.21	0.02
97	68	600.00	-0.17	5.35	0.04	-0.56	0.15	0.03
97	68	650.00	-3.14	5.58	0.03	0.24	0.10	0.04
97	68	700.00	-4.21	1.99	-0.23	0.45	0.0	0.05
97	71	340.00	5.16	0.66	0.40	0.63	0.0	-0.07
97	71	392.50	5.16	0.66	0.40	0.97	0.21	-0.06
97	71	445.00	4.37	1.04	0.38	-1.24	0.35	-0.04
97	71	497.50	4.86	4.93	-0.01	-2.19	0.28	1.52e-03
97	71	550.00	2.02	5.11	0.03	-1.40	0.21	0.02
97	71	600.00	-0.75	5.22	0.04	-0.62	0.16	0.03

97	71	650.00	-3.60	5.44	0.03	0.18	0.10	0.04
97	71	700.00	-4.58	1.97	-0.23	0.40	0.0	0.05
97	75	340.00	5.17	0.65	0.66	0.67	0.0	-0.10
97	75	392.50	5.17	0.65	0.66	1.01	0.35	-0.09
97	75	445.00	4.34	1.04	0.60	-1.23	0.55	-0.06
97	75	497.50	4.80	4.81	0.02	-2.20	0.45	2.71e-04
97	75	550.00	1.99	5.07	0.09	-1.43	0.34	0.03
97	75	600.00	-0.75	5.24	0.09	-0.64	0.27	0.05
97	75	650.00	-3.56	5.52	0.03	0.20	0.19	0.06
97	75	700.00	-4.51	1.98	-0.41	0.46	0.0	0.07
97	79	340.00	5.92	0.44	-0.18	0.96	0.0	0.02
97	79	392.50	5.92	0.44	-0.18	1.19	-0.10	8.40e-03
97	79	445.00	5.43	0.83	-0.13	-0.92	-0.12	0.01
97	79	497.50	6.13	4.84	-0.07	-1.77	-0.10	4.11e-03
97	79	550.00	3.51	4.84	-0.09	-0.95	-0.10	-1.46e-03
97	79	600.00	0.97	4.81	-0.07	-0.22	-0.11	-7.71e-03
97	79	650.00	-1.66	4.91	0.03	0.47	-0.09	-0.01
97	79	700.00	-2.68	1.77	0.18	0.63	0.0	-0.02
97	98	340.00	5.11	0.66	0.01	0.65	0.0	-0.01
97	98	392.50	5.11	0.66	0.01	1.00	6.27e-03	-0.01
97	98	445.00	4.60	0.97	0.03	-1.00	0.04	-4.92e-03
97	98	497.50	5.23	4.61	-0.05	-1.82	0.03	3.05e-03
97	98	550.00	2.72	4.67	-0.05	-1.04	-3.59e-04	4.48e-03
97	98	600.00	0.29	4.68	-0.03	-0.32	-0.02	4.21e-03
97	98	650.00	-2.21	4.81	0.03	0.38	-0.02	2.42e-03
97	98	700.00	-3.10	1.75	0.04	0.58	0.0	2.90e-03
97	103	340.00	4.84	0.72	0.14	0.55	0.0	-0.03
97	103	392.50	4.84	0.72	0.14	0.92	0.07	-0.03
97	103	445.00	4.32	1.01	0.15	-1.04	0.14	-0.02
97	103	497.50	4.92	4.54	-0.03	-1.86	0.11	2.38e-03
97	103	550.00	2.45	4.63	-0.02	-1.09	0.07	8.53e-03
97	103	600.00	0.05	4.68	-4.49e-03	-0.37	0.04	0.01
97	103	650.00	-2.41	4.83	0.03	0.36	0.02	0.01
97	103	700.00	-3.26	1.75	-0.05	0.58	0.0	0.02
97	107	340.00	4.83	0.72	0.01	0.54	0.0	-9.78e-03
97	107	392.50	4.83	0.72	0.01	0.92	6.40e-03	-0.01
97	107	445.00	4.36	1.00	0.03	-1.01	0.03	-4.77e-03
97	107	497.50	4.99	4.53	-0.05	-1.80	0.02	2.95e-03
97	107	550.00	2.56	4.58	-0.04	-1.03	-1.09e-04	4.34e-03
97	107	600.00	0.20	4.59	-0.03	-0.32	-0.02	4.07e-03
97	107	650.00	-2.22	4.72	0.03	0.39	-0.02	2.31e-03
97	107	700.00	-3.07	1.72	0.04	0.59	0.0	2.80e-03
97	108	340.00	5.52	-3.42	0.46	-4.36	0.12	-0.09
97	108	392.50	5.52	-3.42	0.46	-3.99	0.13	-0.08
97	108	445.00	7.94	0.66	0.55	-11.23	0.41	-0.05
97	108	497.50	17.92	29.27	-0.21	-17.47	0.50	9.88e-03
97	108	550.00	5.81	29.25	-0.42	-8.82	0.33	0.04
97	108	600.00	-1.72	29.20	-0.37	1.71	0.14	0.05
97	108	650.00	-10.46	29.24	-0.16	9.72	-0.11	0.05
97	108	700.00	-18.55	8.49	0.24	14.35	-0.05	0.03
97	124	340.00	7.19	1.13	0.42	-1.71	0.11	-0.08
97	124	392.50	7.19	1.13	0.42	-1.33	0.11	-0.07
97	124	445.00	5.34	1.38	0.49	-8.24	0.37	-0.05
97	124	497.50	11.36	21.88	-0.12	-13.37	0.45	0.01
97	124	550.00	1.21	21.94	-0.29	-7.59	0.33	0.04
97	124	600.00	-7.65	21.94	-0.25	-1.76	0.21	0.05
97	124	650.00	-17.90	22.02	-0.15	3.49	0.08	0.04
97	124	700.00	-25.15	6.56	-0.10	6.04	0.04	0.03
97	133	340.00	6.34	-3.85	-0.02	-3.49	-6.42e-03	-7.20e-03
97	133	392.50	6.34	-3.85	-0.02	-3.11	-2.67e-05	-9.39e-03
97	133	445.00	10.51	-0.28	0.13	-8.05	0.01	-3.46e-03
97	133	497.50	30.15	21.23	-0.15	-10.42	-4.53e-03	7.78e-03
97	133	550.00	15.31	21.22	-0.19	-4.48	-0.03	2.83e-04
97	133	600.00	6.78	21.21	-0.17	2.97	-0.10	-1.02e-04
97	133	650.00	0.21	21.30	0.03	9.31	-0.20	-2.20e-03
97	133	700.00	-4.23	5.52	0.39	13.17	-0.09	-3.04e-03
97	140	340.00	5.60	-3.94	0.52	-4.98	0.13	-0.10
97	140	392.50	5.60	-3.94	0.52	-4.60	0.14	-0.09
97	140	445.00	8.39	0.61	0.62	-12.50	0.46	-0.06
97	140	497.50	19.53	32.36	-0.23	-19.42	0.55	0.01
97	140	550.00	6.21	32.33	-0.47	-9.79	0.37	0.05
97	140	600.00	-1.94	32.27	-0.41	1.97	0.16	0.06
97	140	650.00	-11.48	32.30	-0.18	10.89	-0.12	0.06
97	140	700.00	-20.47	9.33	0.27	16.08	-0.06	0.03
97	156	340.00	7.48	1.17	0.47	-1.99	0.12	-0.08

97	156	392.50	7.48	1.17	0.47	-1.61	0.13	-0.08
97	156	445.00	5.46	1.43	0.55	-9.14	0.41	-0.05
97	156	497.50	12.15	24.03	-0.13	-14.81	0.50	0.01
97	156	550.00	1.03	24.09	-0.32	-8.41	0.37	0.04
97	156	600.00	-8.63	24.09	-0.28	-1.94	0.24	0.05
97	156	650.00	-19.86	24.17	-0.17	3.87	0.09	0.05
97	156	700.00	-27.90	7.16	-0.12	6.71	0.04	0.03
97	165	340.00	6.52	-4.42	-0.02	-3.99	-7.03e-03	-6.97e-03
97	165	392.50	6.52	-4.42	-0.02	-3.61	-6.39e-04	-9.17e-03
97	165	445.00	11.26	-0.44	0.14	-8.93	0.01	-3.34e-03
97	165	497.50	33.24	23.29	-0.16	-11.50	-7.51e-03	8.37e-03
97	165	550.00	16.86	23.28	-0.21	-4.91	-0.03	-1.77e-04
97	165	600.00	7.59	23.26	-0.19	3.38	-0.11	-5.59e-04
97	165	650.00	0.52	23.36	0.03	10.42	-0.22	-2.70e-03
97	165	700.00	-4.36	5.99	0.43	14.73	-0.10	-3.74e-03
97	172	340.00	5.52	-3.72	0.49	-4.73	0.13	-0.09
97	172	392.50	5.52	-3.72	0.49	-4.36	0.13	-0.09
97	172	445.00	8.28	0.63	0.59	-11.93	0.43	-0.06
97	172	497.50	18.95	31.05	-0.22	-18.52	0.52	0.01
97	172	550.00	5.98	31.03	-0.45	-9.35	0.34	0.05
97	172	600.00	-1.61	30.97	-0.39	1.98	0.16	0.06
97	172	650.00	-10.80	31.02	-0.17	10.60	-0.12	0.06
97	172	700.00	-19.29	8.97	0.27	15.59	-0.06	0.03
97	188	340.00	7.24	1.11	0.45	-1.90	0.12	-0.08
97	188	392.50	7.24	1.11	0.45	-1.53	0.12	-0.08
97	188	445.00	5.35	1.42	0.53	-8.79	0.39	-0.05
97	188	497.50	11.71	23.24	-0.13	-14.28	0.49	0.01
97	188	550.00	0.84	23.30	-0.31	-8.16	0.36	0.04
97	188	600.00	-8.47	23.30	-0.26	-1.94	0.23	0.05
97	188	650.00	-19.39	23.39	-0.16	3.70	0.09	0.05
97	188	700.00	-27.13	6.94	-0.12	6.42	0.04	0.03
97	197	340.00	6.31	-4.25	-0.01	-3.83	-5.41e-03	-7.80e-03
97	197	392.50	6.31	-4.25	-0.01	-3.45	9.90e-04	-9.91e-03
97	197	445.00	10.90	-0.41	0.14	-8.58	0.02	-3.74e-03
97	197	497.50	31.88	22.49	-0.16	-11.11	-1.15e-03	8.03e-03
97	197	550.00	16.09	22.49	-0.21	-4.73	-0.03	1.56e-04
97	197	600.00	7.41	22.47	-0.18	3.33	-0.11	-8.17e-05
97	197	650.00	0.74	22.57	0.03	10.18	-0.21	-2.29e-03
97	197	700.00	-3.86	5.81	0.43	14.36	-0.10	-3.56e-03
97	204	340.00	5.61	-4.37	0.55	-5.52	0.14	-0.10
97	204	392.50	5.61	-4.37	0.55	-5.14	0.15	-0.10
97	204	445.00	8.91	0.58	0.66	-13.51	0.49	-0.07
97	204	497.50	21.08	34.95	-0.25	-20.92	0.59	0.01
97	204	550.00	6.46	34.92	-0.51	-10.56	0.39	0.05
97	204	600.00	-1.72	34.85	-0.44	2.40	0.18	0.06
97	204	650.00	-11.90	34.88	-0.19	12.22	-0.13	0.06
97	204	700.00	-21.46	10.03	0.31	17.93	-0.06	0.03
97	220	340.00	7.56	1.15	0.52	-2.27	0.13	-0.09
97	220	392.50	7.56	1.15	0.52	-1.90	0.14	-0.09
97	220	445.00	5.48	1.49	0.61	-9.95	0.45	-0.06
97	220	497.50	12.67	26.06	-0.14	-16.15	0.56	0.01
97	220	550.00	0.45	26.12	-0.34	-9.26	0.42	0.04
97	220	600.00	-9.86	26.12	-0.30	-2.22	0.27	0.06
97	220	650.00	-22.13	26.20	-0.19	4.17	0.11	0.06
97	220	700.00	-30.90	7.73	-0.15	7.27	0.05	0.03
97	229	340.00	6.47	-5.02	-0.02	-4.50	-5.88e-03	-7.69e-03
97	229	392.50	6.47	-5.02	-0.02	-4.12	5.17e-04	-9.78e-03
97	229	445.00	11.86	-0.63	0.15	-9.70	0.01	-3.65e-03
97	229	497.50	35.86	25.18	-0.18	-12.51	-3.84e-03	8.71e-03
97	229	550.00	18.05	25.17	-0.23	-5.28	-0.03	-5.19e-04
97	229	600.00	8.55	25.14	-0.20	3.93	-0.12	-7.10e-04
97	229	650.00	1.34	25.25	0.03	11.74	-0.24	-3.03e-03
97	229	700.00	-3.77	6.42	0.49	16.53	-0.11	-4.67e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-30.90	-5.02	-0.62	-20.92	-0.24	-0.15
			35.86	34.95	0.99	17.93	0.83	0.11

Macro	Tipo	Angolo 1-Z (gradi)
98	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2451 DI 2790				

		cm	kN	kN	kN	kN m	kN m	kN m
98	4	340.00	-379.97	-36.44	0.10	143.61	-3.31e-03	-0.02
98	4	392.50	-379.97	-36.44	0.10	162.73	0.05	-0.05
98	4	445.00	-376.90	-36.12	0.13	141.27	0.10	-0.02
98	4	497.50	-372.66	-35.67	0.43	123.70	0.32	0.01
98	4	550.00	-368.35	-35.03	0.06	104.41	0.45	0.02
98	4	600.00	-364.27	-34.43	-0.30	84.28	0.39	0.03
98	4	650.00	-360.99	-33.66	-1.23	60.17	0.11	0.04
98	4	700.00	-353.34	-27.58	-0.12	70.48	0.0	-0.06
98	18	340.00	-335.27	-44.32	0.45	102.13	-2.78e-03	-9.32e-03
98	18	392.50	-335.27	-44.32	0.45	125.39	0.23	-0.06
98	18	445.00	-332.33	-43.69	0.33	108.57	0.44	-0.02
98	18	497.50	-328.17	-42.84	0.42	96.30	0.70	0.01
98	18	550.00	-323.90	-41.77	-0.05	82.20	0.79	0.02
98	18	600.00	-319.82	-40.78	-0.48	66.93	0.67	0.03
98	18	650.00	-316.52	-39.69	-1.43	47.70	0.28	0.04
98	18	700.00	-309.18	-32.88	-0.46	60.59	0.0	-0.06
98	19	340.00	-147.33	-34.99	0.61	21.24	-1.02e-03	4.01e-03
98	19	392.50	-147.33	-34.99	0.61	39.60	0.32	-0.04
98	19	445.00	-144.49	-34.30	0.38	34.67	0.59	-0.01
98	19	497.50	-140.94	-33.40	0.25	32.97	0.79	5.91e-03
98	19	550.00	-137.26	-32.32	-0.12	30.07	0.82	0.01
98	19	600.00	-133.68	-31.35	-0.44	26.16	0.68	0.02
98	19	650.00	-130.56	-30.37	-1.01	20.13	0.36	0.02
98	19	700.00	-125.83	-25.79	-0.67	30.29	0.0	-0.03
98	28	340.00	-396.24	-7.86	-0.60	209.58	-3.76e-03	-0.04
98	28	392.50	-396.24	-7.86	-0.60	213.70	-0.32	-0.02
98	28	445.00	-391.63	-8.18	-0.28	187.19	-0.58	-0.02
98	28	497.50	-386.35	-8.60	0.37	161.59	-0.48	0.01
98	28	550.00	-381.07	-8.93	0.28	134.81	-0.32	0.02
98	28	600.00	-376.09	-9.20	0.15	108.20	-0.20	0.02
98	28	650.00	-371.68	-9.26	-0.50	78.85	-0.20	0.03
98	28	700.00	-363.96	-6.79	0.48	79.96	0.0	-0.04
98	68	340.00	-270.00	-25.43	0.05	104.30	-2.33e-03	-0.01
98	68	392.50	-270.00	-25.43	0.05	117.64	0.02	-0.03
98	68	445.00	-267.37	-25.22	0.08	102.38	0.05	-0.02
98	68	497.50	-263.93	-24.93	0.31	89.76	0.20	8.51e-03
98	68	550.00	-260.44	-24.50	0.06	75.94	0.29	0.02
98	68	600.00	-257.13	-24.10	-0.19	61.56	0.27	0.02
98	68	650.00	-254.37	-23.57	-0.84	44.43	0.08	0.03
98	68	700.00	-248.67	-19.36	-0.08	51.57	0.0	-0.04
98	72	340.00	-160.80	-27.21	0.35	42.89	-1.19e-03	-2.86e-03
98	72	392.50	-160.80	-27.21	0.35	57.17	0.18	-0.03
98	72	445.00	-157.58	-26.77	0.23	50.24	0.33	-0.01
98	72	497.50	-153.77	-26.19	0.24	45.79	0.49	6.10e-03
98	72	550.00	-149.86	-25.48	-0.04	40.31	0.54	0.01
98	72	600.00	-146.08	-24.82	-0.28	34.14	0.46	0.02
98	72	650.00	-142.71	-24.13	-0.77	26.13	0.24	0.02
98	72	700.00	-137.87	-20.41	-0.43	33.96	0.0	-0.03
98	75	340.00	-240.20	-30.68	0.28	76.65	-1.98e-03	-7.90e-03
98	75	392.50	-240.20	-30.68	0.28	92.74	0.15	-0.04
98	75	445.00	-237.66	-30.27	0.21	80.58	0.27	-0.01
98	75	497.50	-234.27	-29.70	0.30	71.50	0.45	7.81e-03
98	75	550.00	-230.80	-28.99	-0.02	61.13	0.53	0.01
98	75	600.00	-227.49	-28.33	-0.31	49.99	0.45	0.02
98	75	650.00	-224.73	-27.59	-0.97	36.12	0.19	0.03
98	75	700.00	-219.23	-22.89	-0.31	44.97	0.0	-0.04
98	80	340.00	-280.85	-6.37	-0.42	148.28	-2.63e-03	-0.03
98	80	392.50	-280.85	-6.37	-0.42	151.62	-0.22	-0.02
98	80	445.00	-277.19	-6.59	-0.20	132.99	-0.41	-0.01
98	80	497.50	-273.06	-6.88	0.27	115.02	-0.33	8.66e-03
98	80	550.00	-268.92	-7.10	0.20	96.21	-0.21	0.01
98	80	600.00	-265.01	-7.28	0.11	77.50	-0.13	0.02
98	80	650.00	-261.49	-7.30	-0.35	56.89	-0.13	0.02
98	80	700.00	-255.75	-5.50	0.31	57.89	0.0	-0.03
98	98	340.00	-230.94	-13.86	-0.23	109.88	-2.01e-03	-0.02
98	98	392.50	-230.94	-13.86	-0.23	117.15	-0.12	-0.02
98	98	445.00	-227.46	-13.94	-0.10	102.80	-0.23	-0.01
98	98	497.50	-223.48	-14.02	0.25	89.80	-0.14	7.74e-03
98	98	550.00	-219.47	-14.02	0.14	75.97	-0.04	0.01
98	98	600.00	-215.66	-14.01	0.02	62.02	4.95e-03	0.02
98	98	650.00	-212.27	-13.86	-0.43	46.21	-0.04	0.02
98	98	700.00	-206.96	-11.39	0.13	49.70	0.0	-0.03
98	102	340.00	-168.04	-14.04	-0.07	72.50	-1.31e-03	-0.01
98	102	392.50	-168.04	-14.04	-0.07	79.87	-0.04	-0.02

98	102	445.00	-164.12	-14.00	-0.02	70.61	-0.08	-9.67e-03
98	102	497.50	-159.84	-13.93	0.20	62.49	7.32e-03	6.11e-03
98	102	550.00	-155.50	-13.79	0.09	53.66	0.08	9.94e-03
98	102	600.00	-151.33	-13.65	-0.01	44.66	0.10	0.01
98	102	650.00	-147.48	-13.42	-0.34	34.41	0.05	0.01
98	102	700.00	-142.59	-11.26	-0.07	38.24	0.0	-0.02
98	103	340.00	-220.40	-16.71	-0.12	98.20	-1.88e-03	-0.02
98	103	392.50	-220.40	-16.71	-0.12	106.96	-0.07	-0.02
98	103	445.00	-217.01	-16.68	-0.03	93.84	-0.12	-0.01
98	103	497.50	-213.09	-16.63	0.25	82.32	-0.02	7.51e-03
98	103	550.00	-209.13	-16.50	0.10	69.92	0.07	0.01
98	103	600.00	-205.35	-16.35	-0.04	57.28	0.10	0.02
98	103	650.00	-201.99	-16.09	-0.50	42.75	0.01	0.02
98	103	700.00	-196.75	-13.34	0.03	47.14	0.0	-0.03
98	106	340.00	-169.85	-10.75	-0.18	79.91	-1.34e-03	-0.02
98	106	392.50	-169.85	-10.75	-0.18	85.54	-0.10	-0.02
98	106	445.00	-165.76	-10.80	-0.08	75.70	-0.18	-9.19e-03
98	106	497.50	-161.36	-10.87	0.19	66.66	-0.11	6.11e-03
98	106	550.00	-156.91	-10.87	0.12	57.00	-0.03	9.50e-03
98	106	600.00	-152.65	-10.86	0.05	47.29	0.02	0.01
98	106	650.00	-148.67	-10.74	-0.24	36.48	4.31e-03	0.01
98	106	700.00	-143.77	-8.97	0.02	39.31	0.0	-0.02
98	107	340.00	-222.21	-13.41	-0.23	105.60	-1.91e-03	-0.02
98	107	392.50	-222.21	-13.41	-0.23	112.64	-0.12	-0.02
98	107	445.00	-218.64	-13.49	-0.10	98.93	-0.22	-0.01
98	107	497.50	-214.61	-13.57	0.24	86.49	-0.14	7.51e-03
98	107	550.00	-210.54	-13.57	0.14	73.26	-0.04	0.01
98	107	600.00	-206.66	-13.56	0.03	59.91	6.39e-03	0.01
98	107	650.00	-203.18	-13.41	-0.40	44.82	-0.03	0.02
98	107	700.00	-197.93	-11.05	0.12	48.21	0.0	-0.03
98	108	340.00	-286.17	-39.41	0.09	-100.75	0.04	-0.16
98	108	392.50	-286.17	-39.41	0.09	-93.72	-0.08	-0.16
98	108	445.00	-280.87	-38.00	0.02	-63.66	-0.11	-0.05
98	108	497.50	-294.25	-39.09	2.74	-4.74	0.62	0.09
98	108	550.00	-277.77	-39.37	1.69	-9.59	1.89	0.15
98	108	600.00	-257.05	-38.52	0.48	-41.35	2.36	0.16
98	108	650.00	-241.21	-49.01	-0.67	-54.78	2.37	0.13
98	108	700.00	-218.87	-48.81	-4.59	-11.53	1.18	0.05
98	121	340.00	-372.11	97.44	-0.22	198.66	-0.02	-0.14
98	121	392.50	-372.11	97.44	-0.22	205.70	-0.14	-0.14
98	121	445.00	-357.55	96.50	-0.21	193.82	-0.25	-0.07
98	121	497.50	-340.57	94.68	2.04	161.58	0.28	0.06
98	121	550.00	-317.63	93.04	1.28	110.00	1.17	0.09
98	121	600.00	-283.15	92.20	0.46	155.13	1.66	0.11
98	121	650.00	-267.93	92.15	-0.23	77.54	1.75	0.10
98	121	700.00	-258.57	62.49	-3.57	41.06	0.91	0.05
98	122	340.00	-72.31	-124.27	-0.24	12.54	0.02	0.10
98	122	392.50	-72.31	-124.27	-0.24	19.58	-0.10	0.10
98	122	445.00	-79.73	-123.48	0.02	4.03	-0.19	0.05
98	122	497.50	-88.64	-121.82	-1.57	11.41	-0.55	-0.04
98	122	550.00	-103.44	-120.19	-1.00	36.52	-1.24	-0.06
98	122	600.00	-130.17	-119.31	-0.41	-35.30	-1.65	-0.08
98	122	650.00	-138.43	-118.97	-0.57	12.10	-1.82	-0.07
98	122	700.00	-137.29	-84.59	3.81	55.37	-0.91	-0.11
98	130	340.00	-104.57	-206.21	-0.79	-279.32	-0.16	-0.02
98	130	392.50	-104.57	-206.21	-0.79	-272.28	-0.28	-0.01
98	130	445.00	-113.11	-206.90	-0.51	-224.60	-0.72	0.02
98	130	497.50	-114.14	-205.63	0.53	-188.71	-0.76	0.05
98	130	550.00	-116.39	-203.79	0.49	-148.60	-0.58	0.07
98	130	600.00	-122.90	-201.99	0.27	-140.33	-0.45	0.06
98	130	650.00	-120.98	-199.48	-0.31	-93.56	-0.37	0.04
98	130	700.00	-118.10	-162.51	0.63	-33.54	-0.12	-0.05
98	140	340.00	-294.24	-42.63	0.13	-126.40	0.05	-0.18
98	140	392.50	-294.24	-42.63	0.13	-119.37	-0.07	-0.17
98	140	445.00	-288.70	-41.03	0.03	-83.91	-0.09	-0.06
98	140	497.50	-304.28	-42.24	3.06	-16.07	0.72	0.10
98	140	550.00	-286.24	-42.55	1.88	-19.87	2.13	0.17
98	140	600.00	-263.42	-41.60	0.54	-54.00	2.65	0.18
98	140	650.00	-246.03	-53.42	-0.70	-67.26	2.67	0.14
98	140	700.00	-221.55	-53.51	-5.18	-19.07	1.32	0.06
98	153	340.00	-391.02	111.53	-0.21	211.27	-0.02	-0.16
98	153	392.50	-391.02	111.53	-0.21	218.31	-0.14	-0.15
98	153	445.00	-375.06	110.51	-0.23	206.43	-0.25	-0.08
98	153	497.50	-356.50	108.49	2.26	171.48	0.34	0.06
98	153	550.00	-331.29	106.64	1.41	115.11	1.31	0.09

98	153	600.00	-293.05	105.69	0.51	166.78	1.87	0.12
98	153	650.00	-276.32	105.62	-0.21	81.40	1.97	0.11
98	153	700.00	-266.43	71.91	-4.02	39.88	1.02	0.06
98	154	340.00	-53.40	-138.35	-0.24	-0.07	0.02	0.12
98	154	392.50	-53.40	-138.35	-0.24	6.96	-0.10	0.11
98	154	445.00	-62.22	-137.49	0.03	-8.57	-0.19	0.05
98	154	497.50	-72.71	-135.62	-1.78	1.50	-0.61	-0.05
98	154	550.00	-89.78	-133.79	-1.14	31.40	-1.39	-0.07
98	154	600.00	-120.27	-132.81	-0.46	-46.96	-1.85	-0.09
98	154	650.00	-130.05	-132.44	-0.59	8.23	-2.04	-0.08
98	154	700.00	-129.43	-94.01	4.26	56.55	-1.02	-0.12
98	162	340.00	-89.70	-230.51	-0.86	-327.81	-0.18	-0.02
98	162	392.50	-89.70	-230.51	-0.86	-320.78	-0.30	-0.01
98	162	445.00	-99.75	-231.29	-0.56	-265.41	-0.79	0.02
98	162	497.50	-101.42	-229.85	0.57	-223.37	-0.84	0.06
98	162	550.00	-104.45	-227.77	0.53	-176.54	-0.64	0.08
98	162	600.00	-112.26	-225.76	0.30	-165.29	-0.51	0.06
98	162	650.00	-110.55	-222.94	-0.30	-110.75	-0.41	0.05
98	162	700.00	-107.97	-181.61	0.69	-43.60	-0.14	-0.05
98	177	340.00	-353.91	56.46	0.07	104.63	0.04	-0.18
98	177	392.50	-353.91	56.46	0.07	111.67	-0.07	-0.17
98	177	445.00	-343.19	58.65	0.04	113.34	-0.06	-0.05
98	177	497.50	-353.87	57.04	2.98	144.12	0.78	0.10
98	177	550.00	-334.68	55.98	1.81	114.64	2.17	0.16
98	177	600.00	-309.52	56.10	0.56	51.74	2.72	0.16
98	177	650.00	-291.97	43.46	-0.52	7.00	2.76	0.12
98	177	700.00	-266.26	26.99	-5.44	21.81	1.38	0.07
98	185	340.00	-389.29	111.21	-0.15	218.77	-4.35e-03	-0.15
98	185	392.50	-389.29	111.21	-0.15	225.80	-0.12	-0.15
98	185	445.00	-373.36	110.52	-0.18	211.51	-0.21	-0.08
98	185	497.50	-355.54	108.62	2.11	174.84	0.36	0.05
98	185	550.00	-331.56	106.82	1.32	119.39	1.27	0.08
98	185	600.00	-294.53	105.90	0.46	162.40	1.78	0.11
98	185	650.00	-277.65	105.84	-0.20	78.67	1.87	0.10
98	185	700.00	-267.68	72.39	-3.83	37.48	0.98	0.05
98	186	340.00	-55.13	-138.04	-0.31	-7.56	5.22e-04	0.12
98	186	392.50	-55.13	-138.04	-0.31	-0.53	-0.12	0.11
98	186	445.00	-63.92	-137.50	-0.02	-13.65	-0.23	0.05
98	186	497.50	-73.67	-135.76	-1.64	-1.86	-0.63	-0.04
98	186	550.00	-89.51	-133.97	-1.05	27.13	-1.35	-0.06
98	186	600.00	-118.79	-133.01	-0.40	-42.58	-1.77	-0.08
98	186	650.00	-128.72	-132.66	-0.59	10.97	-1.94	-0.07
98	186	700.00	-128.18	-94.49	4.07	58.95	-0.98	-0.11
98	194	340.00	-90.52	-229.31	-0.87	-325.89	-0.18	-0.02
98	194	392.50	-90.52	-229.31	-0.87	-318.85	-0.30	-0.01
98	194	445.00	-100.22	-230.18	-0.56	-264.50	-0.78	0.02
98	194	497.50	-101.84	-228.79	0.58	-222.12	-0.83	0.06
98	194	550.00	-104.64	-226.73	0.53	-175.61	-0.63	0.08
98	194	600.00	-112.13	-224.73	0.31	-161.84	-0.49	0.06
98	194	650.00	-110.55	-221.93	-0.31	-108.21	-0.40	0.05
98	194	700.00	-107.96	-180.79	0.68	-41.55	-0.14	-0.05
98	209	340.00	-375.32	68.17	0.14	108.21	0.06	-0.20
98	209	392.50	-375.32	68.17	0.14	115.25	-0.06	-0.19
98	209	445.00	-363.31	70.83	0.07	118.42	-0.02	-0.06
98	209	497.50	-376.49	69.05	3.39	155.21	0.93	0.11
98	209	550.00	-355.11	67.86	2.05	122.78	2.52	0.17
98	209	600.00	-326.60	68.01	0.63	51.01	3.14	0.18
98	209	650.00	-306.87	53.41	-0.53	0.74	3.19	0.14
98	209	700.00	-278.07	33.81	-6.31	16.29	1.59	0.09
98	217	340.00	-419.82	134.23	-0.09	242.41	5.70e-03	-0.18
98	217	392.50	-419.82	134.23	-0.09	249.44	-0.11	-0.17
98	217	445.00	-401.56	133.59	-0.16	234.00	-0.18	-0.09
98	217	497.50	-381.54	131.41	2.40	192.05	0.46	0.06
98	217	550.00	-354.40	129.29	1.49	129.14	1.50	0.09
98	217	600.00	-311.63	128.21	0.51	179.19	2.08	0.12
98	217	650.00	-292.10	128.12	-0.17	83.33	2.19	0.11
98	217	700.00	-281.22	88.05	-4.49	34.04	1.14	0.07
98	218	340.00	-24.60	-161.06	-0.36	-31.20	-9.53e-03	0.14
98	218	392.50	-24.60	-161.06	-0.36	-24.17	-0.13	0.13
98	218	445.00	-35.72	-160.57	-0.03	-36.14	-0.26	0.07
98	218	497.50	-47.67	-158.55	-1.92	-19.06	-0.74	-0.04
98	218	550.00	-66.67	-156.44	-1.22	17.37	-1.58	-0.07
98	218	600.00	-101.69	-155.32	-0.45	-59.36	-2.06	-0.09
98	218	650.00	-114.27	-154.95	-0.63	6.31	-2.26	-0.08
98	218	700.00	-114.63	-110.15	4.72	62.39	-1.14	-0.12

98	226	340.00	-67.24	-266.26	-0.98	-398.93	-0.21	-0.02
98	226	392.50	-67.24	-266.26	-0.98	-391.89	-0.33	-8.27e-03
98	226	445.00	-79.15	-267.31	-0.64	-326.35	-0.88	0.03
98	226	497.50	-81.79	-265.67	0.63	-274.34	-0.95	0.07
98	226	550.00	-85.78	-263.25	0.59	-217.56	-0.73	0.09
98	226	600.00	-95.31	-260.92	0.36	-198.38	-0.58	0.07
98	226	650.00	-94.23	-257.68	-0.30	-133.01	-0.67	0.05
98	226	700.00	-92.14	-209.78	0.80	-55.54	-0.16	-0.05

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-419.82	-267.31	-6.31	-398.93	-2.26	-0.20
			-24.60	134.23	4.72	249.44	3.19	0.18

Macro	Tipo	Angolo 1-Z (gradi)
99	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
99	4	700.00	-28.31	3.55	0.24	-11.41	-9.45e-03	0.02
99	4	752.50	-27.68	3.81	-0.03	-9.88	0.05	0.02
99	4	805.00	-24.83	14.16	-0.14	-4.80	0.06	-7.35e-03
99	4	857.50	-20.09	14.15	-0.15	0.06	-0.01	-9.93e-03
99	4	910.00	-15.41	14.34	-0.08	4.99	-0.08	-7.28e-03
99	4	960.00	-15.53	9.35	0.06	5.63	-0.07	5.01e-04
99	4	1010.00	-15.15	10.03	0.18	6.62	-0.03	-5.67e-03
99	4	1060.00	-16.11	5.47	0.05	6.86	0.0	1.12e-03
99	11	700.00	-30.96	3.61	0.20	-9.56	-0.01	0.01
99	11	752.50	-30.36	3.85	-0.05	-7.99	0.03	0.01
99	11	805.00	-27.90	13.30	-0.13	-3.17	0.05	-7.55e-03
99	11	857.50	-23.41	13.30	-0.14	1.41	-0.02	-9.30e-03
99	11	910.00	-19.01	13.48	-0.07	6.07	-0.08	-6.09e-03
99	11	960.00	-19.06	9.04	0.04	6.83	-0.08	1.76e-03
99	11	1010.00	-18.67	10.00	0.11	8.01	-0.05	-3.95e-03
99	11	1060.00	-19.33	5.11	0.10	8.23	0.0	-2.97e-03
99	45	700.00	-9.75	0.86	0.04	-2.37	-8.79e-04	3.27e-03
99	45	752.50	-9.94	0.90	0.02	-1.78	0.01	2.99e-03
99	45	805.00	-9.40	3.03	-0.04	-0.51	9.24e-03	-1.29e-03
99	45	857.50	-8.18	3.03	-0.04	0.65	-0.01	-1.88e-03
99	45	910.00	-6.98	3.08	-0.03	1.83	-0.03	-1.23e-03
99	45	960.00	-6.76	2.01	-5.01e-03	2.13	-0.03	4.61e-04
99	45	1010.00	-6.46	2.32	-0.02	2.56	-0.04	-9.74e-04
99	45	1060.00	-6.19	1.04	0.08	2.60	0.0	-5.99e-03
99	68	700.00	-20.20	2.47	0.17	-7.87	-6.76e-03	0.01
99	68	752.50	-19.78	2.65	-0.02	-6.80	0.03	0.01
99	68	805.00	-17.78	9.82	-0.09	-3.27	0.04	-5.16e-03
99	68	857.50	-14.44	9.81	-0.10	0.10	-8.18e-03	-6.92e-03
99	68	910.00	-11.14	9.94	-0.05	3.52	-0.05	-5.05e-03
99	68	960.00	-11.15	6.49	0.04	3.98	-0.05	3.63e-04
99	68	1010.00	-10.83	6.97	0.12	4.68	-0.02	-3.96e-03
99	68	1060.00	-11.42	3.78	0.03	4.84	0.0	4.62e-04
99	71	700.00	-21.97	2.51	0.14	-6.64	-7.74e-03	0.01
99	71	752.50	-21.56	2.68	-0.04	-5.54	0.02	0.01
99	71	805.00	-19.83	9.25	-0.09	-2.18	0.04	-5.29e-03
99	71	857.50	-16.66	9.24	-0.10	1.00	-0.01	-6.50e-03
99	71	910.00	-13.54	9.37	-0.05	4.24	-0.06	-4.26e-03
99	71	960.00	-13.51	6.28	0.03	4.77	-0.05	1.20e-03
99	71	1010.00	-13.17	6.96	0.07	5.60	-0.04	-2.82e-03
99	71	1060.00	-13.56	3.54	0.07	5.76	0.0	-2.27e-03
99	85	700.00	-11.36	1.07	0.05	-2.90	-2.14e-03	4.34e-03
99	85	752.50	-11.44	1.12	4.97e-03	-2.27	0.01	3.98e-03
99	85	805.00	-10.72	3.83	-0.04	-0.75	0.01	-1.91e-03
99	85	857.50	-9.21	3.83	-0.05	0.65	-0.01	-2.54e-03
99	85	910.00	-7.74	3.89	-0.03	2.07	-0.03	-1.67e-03
99	85	960.00	-7.50	2.56	1.16e-03	2.39	-0.04	4.98e-04
99	85	1010.00	-7.15	2.91	-2.24e-03	2.86	-0.04	-1.34e-03
99	85	1060.00	-6.96	1.37	0.07	2.92	0.0	-4.90e-03
99	98	700.00	-15.44	1.83	0.13	-6.32	-4.35e-03	8.75e-03
99	98	752.50	-15.22	1.96	-3.74e-03	-5.46	0.03	8.88e-03
99	98	805.00	-13.63	7.49	-0.07	-2.74	0.03	-3.68e-03
99	98	857.50	-11.01	7.48	-0.08	-0.14	-7.87e-03	-5.21e-03
99	98	910.00	-8.40	7.58	-0.04	2.49	-0.04	-3.98e-03
99	98	960.00	-8.31	4.88	0.03	2.85	-0.04	-6.06e-05

99	98	1010.00	-7.96	5.20	0.10	3.37	-0.02	-3.57e-03
99	98	1060.00	-8.29	2.85	0.03	3.50	0.0	-3.20e-04
99	101	700.00	-16.21	1.86	0.12	-5.91	-4.74e-03	8.50e-03
99	101	752.50	-15.99	1.99	-8.79e-03	-5.04	0.02	8.45e-03
99	101	805.00	-14.49	7.34	-0.07	-2.35	0.03	-3.76e-03
99	101	857.50	-11.91	7.33	-0.08	0.20	-9.84e-03	-5.09e-03
99	101	910.00	-9.36	7.43	-0.04	2.79	-0.05	-3.71e-03
99	101	960.00	-9.25	4.85	0.03	3.17	-0.04	2.60e-04
99	101	1010.00	-8.90	5.24	0.08	3.75	-0.03	-3.16e-03
99	101	1060.00	-9.18	2.79	0.05	3.87	0.0	-1.35e-03
99	104	700.00	-12.88	1.23	0.06	-3.30	-3.89e-03	5.47e-03
99	104	752.50	-12.81	1.31	-0.01	-2.68	8.99e-03	4.93e-03
99	104	805.00	-11.87	4.52	-0.05	-0.98	0.02	-2.62e-03
99	104	857.50	-10.08	4.52	-0.05	0.59	-9.89e-03	-3.23e-03
99	104	910.00	-8.32	4.58	-0.03	2.20	-0.03	-2.13e-03
99	104	960.00	-8.00	3.05	8.96e-03	2.53	-0.03	4.77e-04
99	104	1010.00	-7.55	3.41	0.03	3.00	-0.03	-1.76e-03
99	104	1060.00	-7.40	1.66	0.06	3.08	0.0	-3.03e-03
99	106	700.00	-13.26	1.28	0.07	-3.40	-4.33e-03	5.75e-03
99	106	752.50	-13.15	1.35	-0.02	-2.78	8.09e-03	5.16e-03
99	106	805.00	-12.16	4.69	-0.05	-1.04	0.02	-2.80e-03
99	106	857.50	-10.30	4.69	-0.05	0.58	-9.62e-03	-3.40e-03
99	106	910.00	-8.47	4.75	-0.03	2.23	-0.03	-2.24e-03
99	106	960.00	-8.13	3.17	0.01	2.56	-0.03	4.72e-04
99	106	1010.00	-7.65	3.54	0.03	3.03	-0.03	-1.87e-03
99	106	1060.00	-7.52	1.74	0.05	3.12	0.0	-2.57e-03
99	107	700.00	-15.13	1.75	0.12	-5.90	-4.35e-03	8.33e-03
99	107	752.50	-14.92	1.87	-5.88e-03	-5.08	0.02	8.35e-03
99	107	805.00	-13.42	7.09	-0.07	-2.50	0.03	-3.55e-03
99	107	857.50	-10.90	7.08	-0.08	-0.04	-8.12e-03	-4.95e-03
99	107	910.00	-8.41	7.18	-0.04	2.45	-0.04	-3.73e-03
99	107	960.00	-8.28	4.64	0.03	2.81	-0.04	1.54e-05
99	107	1010.00	-7.91	4.96	0.09	3.32	-0.02	-3.33e-03
99	107	1060.00	-8.18	2.69	0.03	3.44	0.0	-6.41e-04
99	113	700.00	10.62	6.63	0.15	-0.50	-0.01	0.03
99	113	752.50	10.83	6.75	0.03	0.32	0.02	0.02
99	113	805.00	11.60	11.97	0.08	4.19	0.08	1.70e-03
99	113	857.50	13.95	11.62	-0.06	8.25	0.09	-2.92e-03
99	113	910.00	17.73	11.50	-0.06	12.78	0.06	-0.01
99	113	960.00	6.91	2.04	0.02	7.42	0.05	-0.01
99	113	1010.00	3.02	2.74	0.07	5.54	0.06	-0.02
99	113	1060.00	-0.53	2.24	0.07	3.39	-0.01	-0.02
99	124	700.00	-23.92	4.73	0.28	-8.94	-0.02	0.06
99	124	752.50	-23.71	4.85	0.16	-8.12	0.01	0.05
99	124	805.00	-18.26	16.87	0.28	-4.15	0.15	7.56e-03
99	124	857.50	-13.99	16.77	-0.03	-0.58	0.22	9.51e-04
99	124	910.00	-17.13	16.80	-5.24e-03	2.43	0.21	-0.01
99	124	960.00	-8.86	8.91	-0.05	7.09	0.20	-0.02
99	124	1010.00	-10.70	9.86	0.17	6.61	0.22	-0.03
99	124	1060.00	-13.99	6.05	-0.42	5.75	0.11	-0.01
99	132	700.00	-32.28	3.29	0.43	-12.37	8.61e-03	0.06
99	132	752.50	-32.08	3.42	0.31	-11.55	0.04	0.05
99	132	805.00	-30.10	15.73	0.30	-7.72	0.21	0.01
99	132	857.50	-25.06	15.81	8.34e-03	-3.25	0.29	1.20e-03
99	132	910.00	-20.25	16.06	0.04	1.01	0.30	-0.02
99	132	960.00	-14.48	10.16	-0.11	6.48	0.29	-0.03
99	132	1010.00	-14.67	10.84	0.14	6.49	0.29	-0.05
99	132	1060.00	-17.00	6.25	-0.56	6.11	0.15	-0.02
99	134	700.00	-43.62	0.35	0.36	-14.28	0.01	0.04
99	134	752.50	-43.42	0.48	0.24	-13.46	0.04	0.03
99	134	805.00	-41.12	11.62	0.16	-10.53	0.15	5.12e-03
99	134	857.50	-36.40	11.87	-0.02	-7.29	0.19	-9.35e-04
99	134	910.00	-32.69	12.21	0.04	-4.44	0.19	-9.61e-03
99	134	960.00	-21.81	10.68	-0.08	3.34	0.19	-0.02
99	134	1010.00	-19.57	11.09	0.14	4.75	0.20	-0.03
99	134	1060.00	-19.76	5.92	-0.48	5.70	0.13	-7.63e-03
99	145	700.00	13.83	7.24	0.16	0.17	-0.01	0.03
99	145	752.50	14.04	7.37	0.04	0.99	0.02	0.03
99	145	805.00	14.73	12.58	0.10	5.02	0.09	2.36e-03
99	145	857.50	17.06	12.19	-0.06	9.29	0.10	-2.67e-03
99	145	910.00	21.01	12.05	-0.06	14.09	0.07	-0.01
99	145	960.00	8.81	1.72	0.01	8.00	0.06	-0.01
99	145	1010.00	4.38	2.47	0.07	5.82	0.07	-0.02
99	145	1060.00	0.42	2.18	0.07	3.38	-0.01	-0.02
99	156	700.00	-25.00	5.10	0.30	-9.32	-0.02	0.07

99	156	752.50	-24.79	5.23	0.18	-8.50	8.35e-03	0.05
99	156	805.00	-18.84	18.09	0.33	-4.35	0.17	8.95e-03
99	156	857.50	-14.35	17.98	-0.02	-0.65	0.25	1.69e-03
99	156	910.00	-18.20	17.99	-7.30e-04	2.43	0.24	-0.01
99	156	960.00	-8.92	9.44	-0.06	7.63	0.23	-0.03
99	156	1010.00	-11.04	10.46	0.17	7.02	0.25	-0.04
99	156	1060.00	-14.71	6.46	-0.48	6.04	0.13	-0.01
99	164	700.00	-34.42	3.49	0.47	-13.18	0.01	0.07
99	164	752.50	-34.22	3.62	0.35	-12.36	0.04	0.06
99	164	805.00	-32.17	16.83	0.35	-8.37	0.23	0.01
99	164	857.50	-26.81	16.92	0.02	-3.65	0.33	1.96e-03
99	164	910.00	-21.72	17.18	0.05	0.83	0.35	-0.02
99	164	960.00	-15.25	10.86	-0.12	6.95	0.34	-0.04
99	164	1010.00	-15.52	11.58	0.15	6.89	0.33	-0.05
99	164	1060.00	-18.10	6.71	-0.64	6.45	0.17	-0.02
99	166	700.00	-47.18	0.18	0.39	-15.32	0.01	0.05
99	166	752.50	-46.97	0.30	0.27	-14.50	0.04	0.04
99	166	805.00	-44.57	12.19	0.18	-11.54	0.17	6.21e-03
99	166	857.50	-39.58	12.48	-7.17e-03	-8.19	0.22	-4.38e-04
99	166	910.00	-35.72	12.85	0.05	-5.30	0.22	-0.01
99	166	960.00	-23.50	11.43	-0.09	3.40	0.22	-0.02
99	166	1010.00	-21.03	11.86	0.15	4.93	0.22	-0.03
99	166	1060.00	-21.20	6.32	-0.55	5.98	0.15	-8.53e-03
99	177	700.00	12.74	7.15	0.16	-0.16	-0.01	0.03
99	177	752.50	12.95	7.28	0.04	0.66	0.02	0.03
99	177	805.00	13.65	12.56	0.10	4.72	0.09	2.28e-03
99	177	857.50	16.10	12.17	-0.06	9.06	0.10	-2.88e-03
99	177	910.00	20.18	12.02	-0.06	13.92	0.07	-0.01
99	177	960.00	8.16	1.92	0.01	7.96	0.06	-0.01
99	177	1010.00	3.87	2.66	0.07	5.84	0.07	-0.02
99	177	1060.00	-0.04	2.27	0.06	3.46	-0.01	-0.02
99	188	700.00	-24.75	5.07	0.30	-9.23	-0.02	0.07
99	188	752.50	-24.54	5.19	0.17	-8.41	8.53e-03	0.05
99	188	805.00	-18.54	17.91	0.32	-4.28	0.17	8.80e-03
99	188	857.50	-14.09	17.79	-0.02	-0.61	0.24	1.53e-03
99	188	910.00	-17.93	17.80	-2.63e-03	2.43	0.23	-0.01
99	188	960.00	-8.83	9.35	-0.06	7.56	0.22	-0.03
99	188	1010.00	-10.94	10.36	0.17	6.96	0.24	-0.04
99	188	1060.00	-14.58	6.40	-0.47	5.99	0.12	-0.01
99	196	700.00	-34.33	3.50	0.47	-13.16	0.01	0.07
99	196	752.50	-34.13	3.62	0.34	-12.34	0.04	0.06
99	196	805.00	-32.07	16.80	0.35	-8.34	0.23	0.01
99	196	857.50	-26.71	16.88	0.02	-3.61	0.33	1.73e-03
99	196	910.00	-21.64	17.14	0.05	0.86	0.35	-0.02
99	196	960.00	-15.27	10.85	-0.12	6.90	0.33	-0.04
99	196	1010.00	-15.54	11.57	0.14	6.87	0.33	-0.05
99	196	1060.00	-18.10	6.70	-0.63	6.45	0.17	-0.02
99	198	700.00	-46.50	0.23	0.39	-15.12	0.01	0.05
99	198	752.50	-46.29	0.36	0.26	-14.30	0.04	0.04
99	198	805.00	-43.89	12.18	0.18	-11.35	0.17	6.10e-03
99	198	857.50	-38.96	12.46	-8.20e-03	-8.03	0.21	-5.12e-04
99	198	910.00	-35.20	12.83	0.05	-5.19	0.22	-0.01
99	198	960.00	-23.17	11.32	-0.09	3.39	0.22	-0.02
99	198	1010.00	-20.76	11.75	0.15	4.90	0.22	-0.03
99	198	1060.00	-20.94	6.27	-0.54	5.94	0.15	-8.56e-03
99	209	700.00	16.99	8.05	0.17	0.65	-0.01	0.04
99	209	752.50	17.20	8.17	0.05	1.47	0.02	0.03
99	209	805.00	17.74	13.52	0.13	5.80	0.10	3.28e-03
99	209	857.50	20.25	13.08	-0.06	10.52	0.12	-2.64e-03
99	209	910.00	24.71	12.87	-0.06	15.84	0.09	-0.01
99	209	960.00	10.65	1.56	0.01	8.84	0.08	-0.02
99	209	1010.00	5.63	2.37	0.06	6.30	0.08	-0.03
99	209	1060.00	1.12	2.25	0.06	3.52	-0.02	-0.03
99	220	700.00	-26.29	5.61	0.33	-9.76	-0.02	0.08
99	220	752.50	-26.08	5.74	0.20	-8.94	5.79e-03	0.06
99	220	805.00	-19.33	19.67	0.38	-4.57	0.19	0.01
99	220	857.50	-14.57	19.53	-0.02	-0.70	0.28	2.57e-03
99	220	910.00	-19.44	19.52	3.26e-03	2.44	0.28	-0.02
99	220	960.00	-8.90	10.12	-0.08	8.35	0.27	-0.03
99	220	1010.00	-11.42	11.24	0.18	7.57	0.28	-0.04
99	220	1060.00	-15.62	7.00	-0.55	6.41	0.14	-0.02
99	228	700.00	-37.54	3.82	0.53	-14.39	0.01	0.08
99	228	752.50	-37.33	3.94	0.40	-13.57	0.04	0.06
99	228	805.00	-35.16	18.48	0.42	-9.31	0.27	0.01
99	228	857.50	-29.32	18.58	0.03	-4.19	0.39	2.76e-03

99	228	910.00	-23.84	18.85	0.07	0.60	0.41	-0.02
99	228	960.00	-16.46	11.91	-0.15	7.60	0.40	-0.04
99	228	1010.00	-16.84	12.71	0.15	7.48	0.39	-0.06
99	228	1060.00	-19.79	7.40	-0.75	6.97	0.19	-0.03
99	230	700.00	-51.52	0.01	0.43	-16.59	0.01	0.05
99	230	752.50	-51.31	0.14	0.31	-15.77	0.04	0.04
99	230	805.00	-48.73	13.06	0.22	-12.75	0.19	7.69e-03
99	230	857.50	-43.43	13.38	3.54e-03	-9.31	0.25	2.16e-04
99	230	910.00	-39.52	13.79	0.06	-6.46	0.26	-0.01
99	230	960.00	-25.54	12.40	-0.11	3.49	0.26	-0.03
99	230	1010.00	-22.82	12.86	0.16	5.16	0.26	-0.04
99	230	1060.00	-23.00	6.86	-0.64	6.35	0.17	-9.94e-03
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-51.52	0.01	-0.75	-16.59	-0.08	-0.06
			24.71	19.67	0.53	15.84	0.41	0.08

Macro	Tipo	Angolo 1-Z (gradi)
100	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
100	4	700.00	-98.28	0.35	-0.21	-54.11	-0.12	-0.01
100	4	752.50	-95.57	0.19	-1.53	-48.11	-0.58	-0.02
100	4	805.00	-82.10	-2.01	0.29	-27.72	-0.11	-8.84e-03
100	4	857.50	-74.57	-2.07	0.14	-19.61	0.01	-2.58e-03
100	4	910.00	-67.06	-2.03	0.11	-11.54	0.07	-2.75e-03
100	4	960.00	-59.72	-14.91	0.25	-37.46	0.14	-2.72e-03
100	4	1010.00	-52.49	-17.04	1.02	-59.74	0.40	-2.59e-03
100	4	1060.00	-36.60	-13.20	-0.88	-61.21	0.0	-3.59e-03
100	11	700.00	-104.21	0.27	-0.19	-73.71	-0.11	-0.01
100	11	752.50	-101.59	0.12	-1.39	-67.96	-0.53	-0.02
100	11	805.00	-90.69	-1.67	0.25	-52.76	-0.10	-8.51e-03
100	11	857.50	-83.47	-1.72	0.13	-45.14	0.01	-2.81e-03
100	11	910.00	-76.28	-1.67	0.10	-37.59	0.07	-2.94e-03
100	11	960.00	-69.13	-14.01	0.22	-61.97	0.13	-2.69e-03
100	11	1010.00	-62.20	-16.19	0.89	-83.17	0.36	-2.17e-03
100	11	1060.00	-44.63	-12.69	-0.78	-79.32	0.0	-3.15e-03
100	28	700.00	-92.31	0.54	-0.28	-50.17	-0.11	-0.02
100	28	752.50	-90.27	0.38	-1.34	-45.54	-0.53	-0.02
100	28	805.00	-77.95	-1.61	0.22	-27.39	-0.16	-0.01
100	28	857.50	-71.05	-1.68	0.11	-20.42	-0.06	-3.67e-03
100	28	910.00	-64.12	-1.65	0.10	-13.41	-0.01	-2.14e-03
100	28	960.00	-57.45	-13.76	0.26	-38.13	0.06	2.78e-05
100	28	1010.00	-50.85	-15.76	0.96	-59.42	0.31	1.06e-03
100	28	1060.00	-35.69	-12.17	-0.69	-60.28	0.0	4.44e-05
100	45	700.00	-39.03	0.78	-0.12	-22.03	-0.02	-6.24e-03
100	45	752.50	-38.87	0.73	-0.28	-21.30	-0.13	-7.88e-03
100	45	805.00	-35.48	0.46	0.02	-19.22	-0.07	-5.30e-03
100	45	857.50	-32.28	0.44	8.61e-03	-17.52	-0.06	-3.00e-03
100	45	910.00	-29.05	0.44	0.02	-15.77	-0.05	-1.61e-03
100	45	960.00	-25.61	-3.05	0.07	-22.85	-0.03	4.91e-04
100	45	1010.00	-22.36	-3.67	0.21	-29.10	0.03	1.62e-03
100	45	1060.00	-15.49	-2.79	-0.07	-26.95	0.0	1.50e-03
100	68	700.00	-70.18	0.33	-0.15	-38.43	-0.08	-9.63e-03
100	68	752.50	-68.32	0.22	-1.05	-34.27	-0.40	-0.01
100	68	805.00	-58.91	-1.28	0.20	-20.45	-0.08	-6.39e-03
100	68	857.50	-53.46	-1.32	0.10	-14.79	6.30e-03	-2.03e-03
100	68	910.00	-48.01	-1.29	0.08	-9.17	0.05	-2.10e-03
100	68	960.00	-42.64	-10.24	0.17	-27.15	0.10	-1.99e-03
100	68	1010.00	-37.36	-11.72	0.70	-42.61	0.27	-1.84e-03
100	68	1060.00	-25.97	-9.07	-0.60	-43.40	0.0	-2.49e-03
100	71	700.00	-74.13	0.28	-0.13	-51.50	-0.08	-8.82e-03
100	71	752.50	-72.34	0.17	-0.97	-47.50	-0.37	-0.01
100	71	805.00	-64.64	-1.05	0.17	-37.13	-0.07	-6.17e-03
100	71	857.50	-59.39	-1.08	0.09	-31.81	6.97e-03	-2.18e-03
100	71	910.00	-54.16	-1.05	0.07	-26.53	0.05	-2.22e-03
100	71	960.00	-48.91	-9.64	0.15	-43.49	0.09	-1.97e-03
100	71	1010.00	-43.83	-11.16	0.62	-58.23	0.25	-1.55e-03
100	71	1060.00	-31.32	-8.74	-0.54	-55.47	0.0	-2.20e-03
100	80	700.00	-66.20	0.46	-0.19	-35.81	-0.07	-0.01
100	80	752.50	-64.79	0.34	-0.93	-32.56	-0.37	-0.01

100	80	805.00	-56.15	-1.01	0.15	-20.22	-0.11	-7.53e-03
100	80	857.50	-51.11	-1.06	0.07	-15.33	-0.04	-2.76e-03
100	80	910.00	-46.06	-1.04	0.07	-10.41	-8.44e-03	-1.69e-03
100	80	960.00	-41.12	-9.48	0.18	-27.59	0.04	-1.55e-04
100	80	1010.00	-36.26	-10.87	0.66	-42.40	0.21	6.01e-04
100	80	1060.00	-25.36	-8.39	-0.47	-42.78	0.0	-7.29e-05
100	85	700.00	-42.97	0.70	-0.11	-25.02	-0.03	-6.36e-03
100	85	752.50	-42.56	0.65	-0.37	-23.79	-0.16	-8.25e-03
100	85	805.00	-38.60	0.26	0.04	-20.62	-0.06	-5.27e-03
100	85	857.50	-35.13	0.24	0.02	-18.42	-0.04	-2.84e-03
100	85	910.00	-31.63	0.24	0.02	-16.19	-0.03	-1.73e-03
100	85	960.00	-27.92	-3.81	0.08	-24.32	-0.01	-3.30e-05
100	85	1010.00	-24.39	-4.53	0.26	-31.44	0.06	9.27e-04
100	85	1060.00	-16.92	-3.47	-0.14	-29.38	0.0	7.55e-04
100	98	700.00	-55.98	0.52	-0.14	-25.52	-0.06	-8.84e-03
100	98	752.50	-54.71	0.43	-0.79	-22.54	-0.31	-0.01
100	98	805.00	-46.84	-0.72	0.14	-11.66	-0.08	-6.22e-03
100	98	857.50	-42.15	-0.75	0.07	-7.36	-0.02	-2.41e-03
100	98	910.00	-37.45	-0.74	0.06	-3.05	8.20e-03	-1.83e-03
100	98	960.00	-32.73	-7.69	0.15	-17.14	0.05	-9.81e-04
100	98	1010.00	-28.07	-8.81	0.57	-29.19	0.19	-5.73e-04
100	98	1060.00	-19.02	-6.76	-0.43	-30.59	0.0	-1.02e-03
100	101	700.00	-57.83	0.50	-0.14	-30.70	-0.06	-8.60e-03
100	101	752.50	-56.58	0.41	-0.77	-27.75	-0.30	-0.01
100	101	805.00	-49.30	-0.65	0.13	-18.07	-0.08	-6.18e-03
100	101	857.50	-44.67	-0.68	0.06	-13.87	-0.02	-2.47e-03
100	101	910.00	-40.03	-0.66	0.05	-9.65	7.08e-03	-1.87e-03
100	101	960.00	-35.33	-7.54	0.14	-23.47	0.05	-9.69e-04
100	101	1010.00	-30.74	-8.69	0.54	-35.37	0.18	-4.59e-04
100	101	1060.00	-21.21	-6.70	-0.41	-35.43	0.0	-9.14e-04
100	104	700.00	-45.65	0.62	-0.09	-26.78	-0.04	-5.95e-03
100	104	752.50	-44.95	0.57	-0.45	-24.96	-0.18	-8.07e-03
100	104	805.00	-40.51	0.08	0.07	-20.87	-0.05	-4.88e-03
100	104	857.50	-36.77	0.06	0.03	-18.19	-0.02	-2.53e-03
100	104	910.00	-33.02	0.08	0.03	-15.50	-6.34e-03	-1.92e-03
100	104	960.00	-29.01	-4.33	0.08	-24.17	0.02	-9.22e-04
100	104	1010.00	-25.18	-5.10	0.31	-31.71	0.09	-2.67e-04
100	104	1060.00	-17.37	-3.94	-0.21	-29.88	0.0	-4.43e-04
100	106	700.00	-46.32	0.60	-0.09	-27.22	-0.04	-5.85e-03
100	106	752.50	-45.55	0.55	-0.47	-25.26	-0.19	-8.03e-03
100	106	805.00	-40.99	0.04	0.07	-20.93	-0.05	-4.78e-03
100	106	857.50	-37.18	0.02	0.04	-18.13	-0.02	-2.45e-03
100	106	910.00	-33.37	0.03	0.03	-15.33	3.36e-04	-1.97e-03
100	106	960.00	-29.28	-4.46	0.08	-24.13	0.02	-1.14e-03
100	106	1010.00	-25.38	-5.25	0.32	-31.77	0.10	-5.66e-04
100	106	1060.00	-17.48	-4.05	-0.23	-30.01	0.0	-7.43e-04
100	107	700.00	-54.60	0.53	-0.14	-25.76	-0.06	-8.41e-03
100	107	752.50	-53.40	0.45	-0.75	-22.92	-0.29	-0.01
100	107	805.00	-46.01	-0.61	0.13	-12.99	-0.08	-6.02e-03
100	107	857.50	-41.44	-0.64	0.06	-8.90	-0.02	-2.42e-03
100	107	910.00	-36.87	-0.63	0.05	-4.81	7.07e-03	-1.85e-03
100	107	960.00	-32.23	-7.23	0.14	-18.14	0.04	-1.00e-03
100	107	1010.00	-27.69	-8.30	0.53	-29.56	0.18	-5.72e-04
100	107	1060.00	-18.80	-6.37	-0.40	-30.50	0.0	-9.83e-04
100	111	700.00	-57.22	-50.50	-0.29	14.18	-0.10	0.01
100	111	752.50	-56.03	-50.59	-0.90	17.01	-0.33	0.01
100	111	805.00	-53.85	-64.23	0.04	-18.45	-0.17	0.02
100	111	857.50	-42.76	-63.51	-0.03	-35.09	-0.15	7.83e-03
100	111	910.00	-36.56	-62.66	-0.04	-56.76	-0.15	-0.01
100	111	960.00	-32.38	-45.16	0.30	-54.97	-0.11	-0.01
100	111	1010.00	-28.85	-43.00	0.63	-52.23	0.10	-9.84e-03
100	111	1060.00	-17.13	-35.39	-0.63	-29.10	0.06	-0.01
100	125	700.00	-23.68	7.47	-1.56	-19.74	-0.30	0.03
100	125	752.50	-22.49	7.39	-2.17	-16.91	-0.54	0.03
100	125	805.00	-35.42	10.48	-1.59	-23.47	-1.15	0.03
100	125	857.50	-18.72	9.85	-0.65	-1.83	-1.74	9.78e-03
100	125	910.00	-9.07	8.47	-0.13	30.66	-1.95	-0.02
100	125	960.00	-16.95	7.18	0.73	-18.97	-1.80	-0.04
100	125	1010.00	-14.39	4.54	1.26	-19.59	-1.34	-0.04
100	125	1060.00	-10.25	7.31	2.39	-17.56	-0.70	-0.05
100	126	700.00	-85.51	-6.41	1.29	-31.78	0.19	-0.05
100	126	752.50	-84.31	-6.50	0.68	-28.94	-0.05	-0.05
100	126	805.00	-56.59	-11.70	1.84	-2.51	1.00	-0.04
100	126	857.50	-64.16	-11.13	0.78	-15.98	1.70	-0.01
100	126	910.00	-64.67	-9.72	0.24	-40.27	1.96	0.02

100	126	960.00	-47.52	-21.64	-0.46	-17.30	1.89	0.03
100	126	1010.00	-40.99	-21.15	-0.20	-39.53	1.70	0.04
100	126	1060.00	-27.35	-20.05	-3.18	-43.45	0.70	0.04
100	136	700.00	-71.86	6.78	1.68	-17.12	0.31	-0.11
100	136	752.50	-70.67	6.69	1.07	-14.28	0.07	-0.10
100	136	805.00	-61.45	6.95	2.23	-5.28	1.33	-0.09
100	136	857.50	-65.05	6.94	1.01	-9.31	2.19	-0.05
100	136	910.00	-58.08	2.89	0.32	-13.27	2.52	-4.74e-03
100	136	960.00	-45.75	-12.26	-0.71	-4.47	2.41	0.03
100	136	1010.00	-39.54	-13.46	-0.56	-30.91	1.98	0.05
100	136	1060.00	-27.79	-12.34	-3.50	-42.60	0.78	0.05
100	143	700.00	-57.55	-56.94	-0.30	19.19	-0.10	0.01
100	143	752.50	-56.36	-57.02	-0.92	22.02	-0.34	0.01
100	143	805.00	-54.84	-72.24	0.03	-19.13	-0.18	0.02
100	143	857.50	-42.93	-71.43	-0.04	-38.41	-0.16	9.11e-03
100	143	910.00	-36.51	-70.48	-0.05	-63.32	-0.17	-0.01
100	143	960.00	-32.41	-49.93	0.32	-59.63	-0.13	-0.01
100	143	1010.00	-28.98	-47.37	0.64	-55.08	0.10	-0.01
100	143	1060.00	-16.92	-39.05	-0.66	-28.93	0.07	-0.01
100	157	700.00	-19.84	8.37	-1.74	-19.01	-0.33	0.04
100	157	752.50	-18.65	8.28	-2.35	-16.17	-0.57	0.04
100	157	805.00	-34.11	11.89	-1.80	-24.79	-1.28	0.03
100	157	857.50	-15.89	11.18	-0.74	-0.92	-1.95	0.01
100	157	910.00	-5.60	9.63	-0.16	35.10	-2.19	-0.02
100	157	960.00	-15.05	9.00	0.80	-19.06	-2.03	-0.04
100	157	1010.00	-12.74	6.15	1.35	-18.35	-1.53	-0.05
100	157	1060.00	-9.19	9.03	2.73	-15.95	-0.78	-0.05
100	158	700.00	-89.35	-7.30	1.47	-32.51	0.22	-0.06
100	158	752.50	-88.16	-7.39	0.85	-29.68	-0.02	-0.06
100	158	805.00	-57.90	-13.12	2.06	-1.19	1.13	-0.04
100	158	857.50	-66.99	-12.47	0.86	-16.88	1.91	-0.02
100	158	910.00	-68.13	-10.89	0.26	-44.71	2.20	0.02
100	158	960.00	-49.42	-23.46	-0.53	-17.21	2.12	0.04
100	158	1010.00	-42.64	-22.76	-0.29	-40.77	1.89	0.05
100	158	1060.00	-28.41	-21.77	-3.53	-45.05	0.78	0.05
100	168	700.00	-74.02	7.59	1.91	-16.03	0.35	-0.12
100	168	752.50	-72.82	7.51	1.30	-13.20	0.12	-0.12
100	168	805.00	-63.37	7.93	2.49	-4.26	1.51	-0.10
100	168	857.50	-68.03	7.93	1.13	-9.29	2.47	-0.05
100	168	910.00	-60.77	3.37	0.35	-14.24	2.83	-5.13e-03
100	168	960.00	-47.45	-12.86	-0.82	-2.70	2.71	0.03
100	168	1010.00	-41.03	-14.08	-0.70	-31.05	2.21	0.05
100	168	1060.00	-28.92	-13.07	-3.89	-44.12	0.87	0.06
100	175	700.00	-57.19	-56.00	-0.31	18.21	-0.10	0.02
100	175	752.50	-55.99	-56.08	-0.93	21.05	-0.34	0.01
100	175	805.00	-54.44	-71.00	9.19e-03	-19.15	-0.19	0.02
100	175	857.50	-42.60	-70.20	-0.04	-38.29	-0.18	8.71e-03
100	175	910.00	-36.18	-69.26	-0.05	-62.67	-0.19	-0.01
100	175	960.00	-32.24	-49.10	0.32	-59.18	-0.14	-0.01
100	175	1010.00	-28.75	-46.59	0.64	-54.60	0.09	-0.01
100	175	1060.00	-16.83	-38.40	-0.62	-28.85	0.06	-0.01
100	189	700.00	-20.79	8.19	-1.69	-18.96	-0.32	0.04
100	189	752.50	-19.60	8.10	-2.30	-16.13	-0.56	0.03
100	189	805.00	-34.57	11.61	-1.75	-24.49	-1.24	0.03
100	189	857.50	-16.52	10.91	-0.72	-0.97	-1.89	0.01
100	189	910.00	-6.26	9.38	-0.15	34.41	-2.12	-0.02
100	189	960.00	-15.42	8.56	0.78	-18.95	-1.97	-0.04
100	189	1010.00	-13.12	5.73	1.32	-18.61	-1.48	-0.05
100	189	1060.00	-9.44	8.60	2.64	-16.29	-0.76	-0.05
100	190	700.00	-88.40	-7.12	1.42	-32.56	0.21	-0.05
100	190	752.50	-87.20	-7.21	0.80	-29.72	-0.03	-0.06
100	190	805.00	-57.44	-12.83	2.00	-1.49	1.09	-0.04
100	190	857.50	-66.36	-12.20	0.84	-16.84	1.85	-0.01
100	190	910.00	-67.47	-10.63	0.26	-44.02	2.14	0.02
100	190	960.00	-49.05	-23.02	-0.51	-17.32	2.06	0.04
100	190	1010.00	-42.26	-22.34	-0.26	-40.51	1.84	0.05
100	190	1060.00	-28.17	-21.34	-3.44	-44.72	0.76	0.05
100	200	700.00	-73.86	7.63	1.90	-16.26	0.35	-0.12
100	200	752.50	-72.66	7.54	1.29	-13.42	0.12	-0.12
100	200	805.00	-63.24	7.93	2.48	-4.10	1.50	-0.10
100	200	857.50	-67.85	7.93	1.12	-8.79	2.45	-0.05
100	200	910.00	-60.69	3.46	0.35	-13.49	2.81	-5.29e-03
100	200	960.00	-47.37	-12.70	-0.82	-2.65	2.68	0.03
100	200	1010.00	-40.93	-13.92	-0.69	-30.86	2.20	0.05
100	200	1060.00	-28.85	-12.89	-3.87	-43.98	0.87	0.06

100	207	700.00	-57.46	-65.40	-0.35	25.44	-0.11	0.02
100	207	752.50	-56.26	-65.49	-0.96	28.27	-0.34	0.02
100	207	805.00	-55.71	-82.69	-0.02	-20.33	-0.21	0.03
100	207	857.50	-42.63	-81.74	-0.06	-43.37	-0.21	0.01
100	207	910.00	-35.92	-80.65	-0.07	-72.55	-0.22	-0.02
100	207	960.00	-32.16	-56.01	0.35	-66.14	-0.18	-0.01
100	207	1010.00	-28.83	-52.89	0.66	-58.78	0.06	-0.01
100	207	1060.00	-16.44	-43.67	-0.65	-28.52	0.06	-0.02
100	221	700.00	-15.39	9.52	-1.93	-17.87	-0.36	0.04
100	221	752.50	-14.20	9.43	-2.54	-15.04	-0.60	0.04
100	221	805.00	-32.80	13.69	-2.04	-26.32	-1.42	0.03
100	221	857.50	-12.51	12.88	-0.84	0.46	-2.18	0.01
100	221	910.00	-1.33	11.09	-0.18	40.92	-2.45	-0.03
100	221	960.00	-12.72	11.17	0.88	-19.03	-2.28	-0.05
100	221	1010.00	-10.79	8.04	1.44	-16.83	-1.74	-0.06
100	221	1060.00	-7.96	11.06	3.12	-14.03	-0.88	-0.06
100	222	700.00	-93.80	-8.45	1.66	-33.65	0.25	-0.06
100	222	752.50	-92.60	-8.54	1.04	-30.81	0.01	-0.06
100	222	805.00	-59.22	-14.91	2.29	0.35	1.27	-0.05
100	222	857.50	-70.37	-14.17	0.96	-18.26	2.14	-0.02
100	222	910.00	-72.41	-12.35	0.29	-50.53	2.47	0.02
100	222	960.00	-51.75	-25.63	-0.61	-17.24	2.37	0.04
100	222	1010.00	-44.59	-24.65	-0.38	-42.29	2.10	0.06
100	222	1060.00	-29.65	-23.80	-3.92	-46.98	0.88	0.06
100	232	700.00	-76.98	9.20	2.24	-14.86	0.42	-0.14
100	232	752.50	-75.78	9.12	1.63	-12.02	0.19	-0.13
100	232	805.00	-66.04	9.81	2.87	-2.38	1.76	-0.12
100	232	857.50	-72.27	9.81	1.29	-8.27	2.86	-0.06
100	232	910.00	-64.78	4.61	0.40	-14.21	3.27	-6.23e-03
100	232	960.00	-49.93	-13.29	-0.97	0.33	3.12	0.04
100	232	1010.00	-43.11	-14.56	-0.89	-30.76	2.53	0.06
100	232	1060.00	-30.53	-13.71	-4.44	-46.21	1.01	0.07

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-104.21	-82.69	-4.44	-83.17	-2.45	-0.14
	-1.33	13.69	3.12	40.92	3.27	0.07

Macro	Tipo	Angolo 1-Z (gradi)
101	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
101	4	910.00	-0.64	10.82	-0.03	-5.28	0.0	-9.06e-04
101	4	960.00	-0.64	10.82	-0.03	0.13	-0.01	-3.12e-03
101	4	1010.00	-0.20	11.32	-2.14e-03	1.19	-0.02	-5.34e-03
101	4	1060.00	-0.14	5.94	0.04	-0.01	-9.98e-04	-4.19e-03
101	7	910.00	-0.47	8.40	-0.02	-4.10	0.0	-1.26e-04
101	7	960.00	-0.47	8.40	-0.02	0.09	-0.01	-1.54e-03
101	7	1010.00	-0.18	8.79	-2.59e-03	0.93	-0.01	-3.22e-03
101	7	1060.00	-0.10	4.80	0.03	-8.55e-03	-8.15e-04	-2.77e-03
101	11	910.00	-0.66	10.22	-0.03	-4.98	0.0	-1.52e-03
101	11	960.00	-0.66	10.22	-0.03	0.13	-0.01	-3.96e-03
101	11	1010.00	-0.18	10.68	-1.10e-03	1.12	-0.01	-6.12e-03
101	11	1060.00	-0.16	5.36	0.03	-0.01	-9.18e-04	-4.52e-03
101	59	910.00	-0.64	9.76	-0.03	-4.76	0.0	-1.71e-03
101	59	960.00	-0.64	9.76	-0.03	0.12	-0.01	-4.15e-03
101	59	1010.00	-0.17	10.19	-3.58e-04	1.06	-0.01	-6.19e-03
101	59	1060.00	-0.16	5.10	0.03	-0.01	-8.02e-04	-4.48e-03
101	67	910.00	-0.45	7.03	-0.02	-3.43	0.0	-3.86e-04
101	67	960.00	-0.45	7.03	-0.02	0.08	-9.08e-03	-1.70e-03
101	67	1010.00	-0.17	7.36	-1.80e-03	0.77	-9.98e-03	-3.12e-03
101	67	1060.00	-0.12	3.93	0.02	-4.60e-03	-6.60e-04	-2.54e-03
101	68	910.00	-0.48	7.52	-0.02	-3.67	0.0	-6.95e-04
101	68	960.00	-0.48	7.52	-0.02	0.09	-0.01	-2.26e-03
101	68	1010.00	-0.16	7.87	-1.44e-03	0.83	-0.01	-3.81e-03
101	68	1060.00	-0.12	4.11	0.02	-7.69e-03	-6.90e-04	-2.96e-03
101	71	910.00	-0.49	7.12	-0.02	-3.47	0.0	-1.10e-03
101	71	960.00	-0.49	7.12	-0.02	0.09	-0.01	-2.82e-03
101	71	1010.00	-0.14	7.45	-7.44e-04	0.78	-0.01	-4.32e-03
101	71	1060.00	-0.13	3.72	0.02	-7.99e-03	-6.37e-04	-3.18e-03
101	95	910.00	-0.47	6.81	-0.02	-3.32	0.0	-1.23e-03
101	95	960.00	-0.47	6.81	-0.02	0.08	-9.34e-03	-2.95e-03

101	95	1010.00	-0.14	7.12	-2.50e-04	0.74	-9.47e-03	-4.37e-03
101	95	1060.00	-0.13	3.54	0.02	-7.15e-03	-5.59e-04	-3.16e-03
101	98	910.00	-0.42	5.83	-0.01	-2.85	0.0	-6.12e-04
101	98	960.00	-0.42	5.83	-0.01	0.06	-7.41e-03	-1.84e-03
101	98	1010.00	-0.17	6.09	-9.63e-04	0.64	-7.89e-03	-3.00e-03
101	98	1060.00	-0.13	3.19	0.02	-9.58e-04	-4.99e-04	-2.32e-03
101	101	910.00	-0.43	5.72	-0.01	-2.80	0.0	-7.69e-04
101	101	960.00	-0.43	5.72	-0.01	0.06	-7.47e-03	-2.06e-03
101	101	1010.00	-0.16	5.99	-7.07e-04	0.63	-7.83e-03	-3.22e-03
101	101	1060.00	-0.13	3.07	0.02	-1.26e-03	-4.83e-04	-2.42e-03
101	107	910.00	-0.42	5.53	-0.01	-2.70	0.0	-6.45e-04
101	107	960.00	-0.42	5.53	-0.01	0.06	-7.09e-03	-1.84e-03
101	107	1010.00	-0.17	5.78	-8.50e-04	0.60	-7.51e-03	-2.95e-03
101	107	1060.00	-0.13	3.00	0.02	-2.41e-05	-4.71e-04	-2.25e-03
101	108	910.00	0.30	23.51	0.18	-9.08	0.06	0.01
101	108	960.00	0.30	23.51	0.18	-6.31	0.06	0.01
101	108	1010.00	0.12	24.75	4.62e-03	-3.26	0.12	0.01
101	108	1060.00	0.18	15.09	-0.11	-0.10	0.03	7.86e-03
101	132	910.00	0.30	14.79	0.38	-6.26	0.10	-0.02
101	132	960.00	0.30	14.79	0.38	-3.49	0.09	-0.02
101	132	1010.00	1.70	15.55	-2.13e-03	-1.90	0.19	-0.03
101	132	1060.00	0.03	9.51	-0.18	-0.05	0.05	-0.03
101	134	910.00	-0.13	5.54	0.30	-2.92	0.07	-0.03
101	134	960.00	-0.13	5.54	0.30	-0.16	0.07	-0.03
101	134	1010.00	1.52	5.79	-6.43e-03	0.13	0.14	-0.05
101	134	1060.00	-0.13	3.21	-0.12	-2.97e-03	0.04	-0.03
101	135	910.00	-1.14	-3.73	-0.41	0.85	-0.10	0.02
101	135	960.00	-1.14	-3.73	-0.41	3.62	-0.11	0.02
101	135	1010.00	-2.03	-3.99	4.31e-04	3.11	-0.21	0.03
101	135	1060.00	-0.29	-3.51	0.22	0.05	-0.05	0.02
101	140	910.00	0.39	25.78	0.21	-9.88	0.07	0.01
101	140	960.00	0.39	25.78	0.21	-7.12	0.06	0.01
101	140	1010.00	0.16	27.14	5.29e-03	-3.75	0.13	0.01
101	140	1060.00	0.22	16.61	-0.12	-0.11	0.03	9.12e-03
101	164	910.00	0.39	15.97	0.43	-6.71	0.11	-0.02
101	164	960.00	0.39	15.97	0.43	-3.94	0.11	-0.03
101	164	1010.00	1.93	16.79	-2.30e-03	-2.21	0.22	-0.04
101	164	1060.00	0.05	10.33	-0.21	-0.06	0.05	-0.03
101	166	910.00	-0.10	5.55	0.34	-2.95	0.08	-0.03
101	166	960.00	-0.10	5.55	0.34	-0.19	0.08	-0.04
101	166	1010.00	1.73	5.80	-7.13e-03	0.07	0.16	-0.05
101	166	1060.00	-0.13	3.24	-0.14	-3.35e-03	0.04	-0.04
101	167	910.00	-1.23	-4.91	-0.45	1.30	-0.11	0.02
101	167	960.00	-1.23	-4.91	-0.45	4.07	-0.12	0.02
101	167	1010.00	-2.26	-5.23	6.04e-04	3.42	-0.24	0.03
101	167	1060.00	-0.31	-4.33	0.24	0.06	-0.06	0.02
101	172	910.00	0.36	25.58	0.20	-9.80	0.07	0.01
101	172	960.00	0.36	25.58	0.20	-7.04	0.06	0.01
101	172	1010.00	0.14	26.94	4.71e-03	-3.70	0.13	0.01
101	172	1060.00	0.22	16.46	-0.12	-0.11	0.03	8.14e-03
101	196	910.00	0.36	15.93	0.42	-6.67	0.11	-0.02
101	196	960.00	0.36	15.93	0.42	-3.91	0.11	-0.03
101	196	1010.00	1.89	16.75	-2.51e-03	-2.18	0.22	-0.04
101	196	1060.00	0.05	10.27	-0.20	-0.06	0.05	-0.03
101	198	910.00	-0.12	5.60	0.33	-2.95	0.08	-0.03
101	198	960.00	-0.12	5.60	0.33	-0.19	0.08	-0.04
101	198	1010.00	1.69	5.86	-6.95e-03	0.07	0.16	-0.05
101	198	1060.00	-0.13	3.25	-0.14	-3.39e-03	0.04	-0.04
101	199	910.00	-1.19	-4.87	-0.45	1.27	-0.11	0.02
101	199	960.00	-1.19	-4.87	-0.45	4.03	-0.12	0.02
101	199	1010.00	-2.22	-5.19	8.09e-04	3.39	-0.23	0.03
101	199	1060.00	-0.31	-4.27	0.24	0.06	-0.05	0.02
101	204	910.00	0.48	28.99	0.24	-11.00	0.08	0.02
101	204	960.00	0.48	28.99	0.24	-8.24	0.07	0.01
101	204	1010.00	0.19	30.54	5.36e-03	-4.42	0.15	0.01
101	204	1060.00	0.28	18.74	-0.14	-0.13	0.04	9.39e-03
101	228	910.00	0.46	17.77	0.49	-7.35	0.13	-0.03
101	228	960.00	0.46	17.77	0.49	-4.59	0.12	-0.03
101	228	1010.00	2.21	18.70	-2.89e-03	-2.66	0.26	-0.04
101	228	1060.00	0.08	11.53	-0.24	-0.07	0.06	-0.03
101	231	910.00	-1.30	-6.72	-0.52	1.95	-0.13	0.02
101	231	960.00	-1.30	-6.72	-0.52	4.71	-0.14	0.03
101	231	1010.00	-2.55	-7.14	1.19e-03	3.87	-0.27	0.04
101	231	1060.00	-0.34	-5.53	0.27	0.07	-0.06	0.03
101	234	910.00	0.01	6.61	0.40	-3.37	0.10	-0.04

101	234	960.00	0.01	6.61	0.40	-0.61	0.09	-0.04
101	234	1010.00	2.03	6.91	-9.28e-03	-0.25	0.19	-0.06
101	234	1060.00	-0.12	3.99	-0.17	-9.85e-03	0.05	-0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-2.55	-7.14	-0.52	-11.00	-0.27	-0.06
	2.21	30.54	0.49	4.71	0.26	0.04

Macro	Tipo	Angolo 1-Z (gradi)
102	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
102	4	700.00	-93.78	0.37	-0.01	-28.65	-0.09	-0.02
102	4	752.50	-91.80	0.03	-1.14	-23.30	-0.39	-0.02
102	4	805.00	-81.44	-6.47	0.19	-8.16	-1.77e-04	4.68e-03
102	4	857.50	-74.46	-6.53	0.05	-1.72	0.06	1.60e-03
102	4	910.00	-67.57	-6.61	0.04	4.42	0.08	-2.24e-03
102	4	960.00	-57.04	-21.46	0.16	-23.36	0.11	3.96e-03
102	4	1010.00	-46.99	-21.79	0.89	-46.28	0.31	1.47e-04
102	4	1060.00	-30.82	-14.98	-0.69	-53.69	0.0	-0.01
102	11	700.00	-98.87	-0.07	-0.02	-49.83	-0.08	-0.02
102	11	752.50	-97.17	-0.36	-1.05	-45.41	-0.37	-0.02
102	11	805.00	-89.00	-5.99	0.16	-35.71	-2.22e-03	3.91e-03
102	11	857.50	-82.32	-6.05	0.04	-29.82	0.06	1.01e-03
102	11	910.00	-75.75	-6.13	0.04	-24.26	0.08	-2.75e-03
102	11	960.00	-64.91	-20.37	0.13	-48.60	0.09	3.23e-03
102	11	1010.00	-55.02	-20.80	0.75	-69.75	0.27	7.47e-04
102	11	1060.00	-37.52	-14.03	-0.59	-71.70	0.0	-0.01
102	45	700.00	-37.70	0.94	-0.07	-13.62	-0.02	-7.25e-03
102	45	752.50	-37.83	0.88	-0.17	-13.48	-0.08	-7.78e-03
102	45	805.00	-35.09	-0.41	0.01	-13.09	-0.03	-2.72e-03
102	45	857.50	-32.08	-0.43	-1.12e-03	-12.00	-0.03	-2.22e-03
102	45	910.00	-29.06	-0.47	-5.90e-04	-10.92	-0.03	-2.15e-03
102	45	960.00	-24.36	-4.61	0.03	-18.19	-0.02	1.09e-03
102	45	1010.00	-20.11	-4.76	0.14	-24.79	0.01	2.52e-03
102	45	1060.00	-13.19	-2.93	-0.04	-24.58	0.0	7.07e-04
102	52	700.00	-91.18	0.60	-0.06	-26.61	-0.08	-0.02
102	52	752.50	-89.54	0.28	-1.04	-21.99	-0.37	-0.02
102	52	805.00	-79.68	-5.96	0.16	-7.95	-0.03	2.33e-03
102	52	857.50	-73.03	-6.03	0.03	-2.11	0.03	3.97e-04
102	52	910.00	-66.43	-6.12	0.04	3.52	0.04	-2.32e-03
102	52	960.00	-56.19	-20.62	0.17	-23.81	0.07	4.95e-03
102	52	1010.00	-46.42	-20.94	0.87	-46.38	0.27	2.31e-03
102	52	1060.00	-30.52	-14.36	-0.61	-53.43	0.0	-0.01
102	68	700.00	-66.98	0.34	-0.01	-20.74	-0.06	-0.02
102	68	752.50	-65.64	0.11	-0.79	-17.07	-0.27	-0.01
102	68	805.00	-58.36	-4.37	0.13	-6.92	-1.22e-03	3.01e-03
102	68	857.50	-53.30	-4.41	0.03	-2.44	0.04	9.14e-04
102	68	910.00	-48.30	-4.46	0.03	1.82	0.06	-1.72e-03
102	68	960.00	-40.68	-14.78	0.11	-17.37	0.07	2.64e-03
102	68	1010.00	-33.44	-15.01	0.61	-33.25	0.21	1.43e-04
102	68	1060.00	-21.88	-10.28	-0.47	-38.16	0.0	-9.55e-03
102	71	700.00	-70.37	0.05	-0.02	-34.85	-0.06	-0.02
102	71	752.50	-69.21	-0.16	-0.73	-31.80	-0.25	-0.01
102	71	805.00	-63.41	-4.05	0.11	-25.29	-2.59e-03	2.50e-03
102	71	857.50	-58.54	-4.09	0.03	-21.18	0.04	5.22e-04
102	71	910.00	-53.75	-4.15	0.02	-17.30	0.05	-2.06e-03
102	71	960.00	-45.93	-14.05	0.09	-34.19	0.06	2.15e-03
102	71	1010.00	-38.80	-14.36	0.51	-48.90	0.18	5.43e-04
102	71	1060.00	-26.34	-9.65	-0.40	-50.17	0.0	-7.94e-03
102	85	700.00	-41.30	0.79	-0.06	-15.95	-0.02	-8.23e-03
102	85	752.50	-41.22	0.71	-0.24	-15.33	-0.10	-8.19e-03
102	85	805.00	-38.06	-0.89	0.03	-14.08	-0.02	-1.83e-03
102	85	857.50	-34.79	-0.92	3.66e-03	-12.55	-0.02	-1.74e-03
102	85	910.00	-31.52	-0.95	3.08e-03	-11.07	-0.01	-2.06e-03
102	85	960.00	-26.45	-5.71	0.04	-19.31	-7.98e-03	1.15e-03
102	85	1010.00	-21.85	-5.87	0.19	-26.68	0.04	2.03e-03
102	85	1060.00	-14.37	-3.72	-0.09	-26.72	0.0	-7.30e-04
102	92	700.00	-65.25	0.49	-0.04	-19.37	-0.06	-0.02
102	92	752.50	-64.13	0.27	-0.72	-16.20	-0.26	-0.02
102	92	805.00	-57.19	-4.03	0.11	-6.77	-0.02	1.44e-03

102	92	857.50	-52.34	-4.08	0.02	-2.70	0.02	1.10e-04
102	92	910.00	-47.54	-4.14	0.03	1.22	0.03	-1.77e-03
102	92	960.00	-40.12	-14.22	0.11	-17.67	0.05	3.30e-03
102	92	1010.00	-33.06	-14.45	0.60	-33.32	0.19	1.58e-03
102	92	1060.00	-21.68	-9.87	-0.42	-37.99	0.0	-7.54e-03
102	98	700.00	-53.71	0.67	-0.03	-11.24	-0.04	-0.01
102	98	752.50	-52.82	0.49	-0.58	-8.57	-0.21	-0.01
102	98	805.00	-46.61	-3.01	0.09	-0.51	-0.01	9.21e-04
102	98	857.50	-42.23	-3.05	0.02	2.85	0.01	-1.38e-04
102	98	910.00	-37.89	-3.09	0.02	6.09	0.02	-1.62e-03
102	98	960.00	-31.50	-11.12	0.09	-9.33	0.04	2.46e-03
102	98	1010.00	-25.36	-11.29	0.49	-21.93	0.15	1.03e-03
102	98	1060.00	-16.10	-7.69	-0.34	-26.56	0.0	-6.34e-03
102	101	700.00	-55.34	0.56	-0.04	-16.68	-0.04	-0.01
102	101	752.50	-54.51	0.38	-0.56	-14.23	-0.20	-0.01
102	101	805.00	-48.81	-2.93	0.08	-7.45	-0.02	7.51e-04
102	101	857.50	-44.49	-2.96	0.02	-4.21	0.01	-2.74e-04
102	101	910.00	-40.21	-3.01	0.02	-1.08	0.02	-1.75e-03
102	101	960.00	-33.71	-10.96	0.09	-15.78	0.03	2.31e-03
102	101	1010.00	-27.58	-11.15	0.46	-28.04	0.14	1.19e-03
102	101	1060.00	-17.92	-7.53	-0.32	-31.35	0.0	-5.79e-03
102	104	700.00	-43.62	0.59	-0.04	-17.76	-0.03	-8.79e-03
102	104	752.50	-43.28	0.49	-0.32	-16.57	-0.12	-7.93e-03
102	104	805.00	-39.73	-1.34	0.04	-14.52	-0.01	-5.93e-04
102	104	857.50	-36.20	-1.36	9.74e-03	-12.54	6.93e-04	-1.06e-03
102	104	910.00	-32.69	-1.39	7.02e-03	-10.64	4.30e-03	-1.88e-03
102	104	960.00	-27.35	-6.47	0.04	-19.26	0.01	9.52e-04
102	104	1010.00	-22.47	-6.64	0.24	-26.85	0.07	1.09e-03
102	104	1060.00	-14.71	-4.28	-0.15	-27.14	0.0	-2.59e-03
102	106	700.00	-44.20	0.54	-0.03	-18.21	-0.03	-8.93e-03
102	106	752.50	-43.80	0.44	-0.34	-16.88	-0.12	-7.86e-03
102	106	805.00	-40.15	-1.45	0.05	-14.63	-0.01	-2.83e-04
102	106	857.50	-36.55	-1.47	0.01	-12.53	4.75e-03	-8.86e-04
102	106	910.00	-32.99	-1.50	8.01e-03	-10.53	8.96e-03	-1.83e-03
102	106	960.00	-27.57	-6.66	0.04	-19.24	0.02	9.02e-04
102	106	1010.00	-22.62	-6.83	0.25	-26.90	0.07	8.52e-04
102	106	1060.00	-14.80	-4.42	-0.17	-27.24	0.0	-3.06e-03
102	107	700.00	-52.35	0.65	-0.03	-12.23	-0.04	-0.01
102	107	752.50	-51.53	0.48	-0.54	-9.76	-0.19	-0.01
102	107	805.00	-45.69	-2.78	0.08	-2.53	-0.01	7.49e-04
102	107	857.50	-41.42	-2.82	0.02	0.65	0.01	-2.45e-04
102	107	910.00	-37.19	-2.86	0.02	3.72	0.02	-1.65e-03
102	107	960.00	-30.94	-10.48	0.08	-10.75	0.03	2.23e-03
102	107	1010.00	-24.97	-10.65	0.45	-22.64	0.14	1.00e-03
102	107	1060.00	-15.92	-7.23	-0.31	-26.66	0.0	-5.87e-03
102	114	700.00	-66.28	-52.04	0.61	4.72	0.05	-0.03
102	114	752.50	-65.47	-52.20	0.10	7.19	-0.11	-0.02
102	114	805.00	-53.71	-67.60	1.01	-6.95	0.48	8.64e-03
102	114	857.50	-47.34	-67.11	0.29	-27.98	0.83	9.49e-03
102	114	910.00	-40.44	-66.87	-1.79e-03	-53.19	0.90	-9.24e-03
102	114	960.00	-35.93	-57.60	-0.22	-47.76	0.83	7.51e-03
102	114	1010.00	-28.02	-55.09	0.14	-45.02	0.74	0.02
102	114	1060.00	-21.74	-42.42	-1.44	-42.79	0.28	6.64e-03
102	133	700.00	-15.75	14.79	-1.99	13.47	-0.44	0.06
102	133	752.50	-14.93	14.62	-2.50	15.94	-0.59	0.06
102	133	805.00	-18.65	25.29	-2.06	19.31	-1.48	0.04
102	133	857.50	-22.19	26.01	-0.80	8.36	-2.22	0.02
102	133	910.00	-26.33	28.72	-0.05	9.93	-2.45	-8.42e-03
102	133	960.00	-15.32	21.74	0.95	1.96	-2.24	-0.03
102	133	1010.00	-12.52	18.77	1.56	-7.40	-1.63	-0.05
102	133	1060.00	-7.17	12.31	2.70	-11.10	-0.75	-0.05
102	136	700.00	-86.95	14.86	1.92	-51.75	0.38	-0.10
102	136	752.50	-86.14	14.69	1.41	-49.28	0.23	-0.09
102	136	805.00	-72.62	2.21	2.05	-24.95	1.42	-0.06
102	136	857.50	-60.41	1.01	0.82	8.88	2.18	-0.04
102	136	910.00	-47.63	-2.41	0.10	30.67	2.42	-1.85e-03
102	136	960.00	-46.28	-20.65	-0.76	-3.67	2.25	0.03
102	136	1010.00	-36.88	-19.09	-0.67	-25.38	1.86	0.04
102	136	1060.00	-22.68	-9.47	-3.20	-35.23	0.72	0.03
102	138	700.00	-88.99	-9.90	1.90	-40.37	0.35	-0.09
102	138	752.50	-88.17	-10.07	1.39	-37.90	0.20	-0.08
102	138	805.00	-72.89	-26.74	2.20	-25.17	1.43	-0.04
102	138	857.50	-60.79	-27.62	0.83	-5.65	2.23	-0.01
102	138	910.00	-48.44	-30.53	0.09	0.64	2.47	0.02
102	138	960.00	-46.64	-40.05	-0.77	-21.36	2.29	0.05

102	138	1010.00	-38.42	-37.58	-0.63	-38.62	1.91	0.06
102	138	1060.00	-24.54	-24.71	-3.31	-41.65	0.75	0.04
102	146	700.00	-68.02	-58.68	0.69	6.85	0.06	-0.03
102	146	752.50	-67.20	-58.85	0.18	9.32	-0.09	-0.03
102	146	805.00	-54.71	-75.77	1.13	-7.49	0.55	9.64e-03
102	146	857.50	-48.08	-75.21	0.33	-31.60	0.93	0.01
102	146	910.00	-40.85	-74.93	-4.22e-03	-60.38	1.01	-0.01
102	146	960.00	-36.56	-63.53	-0.26	-52.45	0.93	8.17e-03
102	146	1010.00	-28.42	-60.68	0.10	-47.88	0.81	0.02
102	146	1060.00	-22.46	-46.85	-1.58	-44.81	0.31	8.22e-03
102	165	700.00	-11.19	16.57	-2.24	16.67	-0.49	0.07
102	165	752.50	-10.37	16.40	-2.75	19.14	-0.64	0.07
102	165	805.00	-15.28	28.81	-2.33	22.00	-1.66	0.05
102	165	857.50	-19.79	29.62	-0.90	9.31	-2.50	0.02
102	165	910.00	-24.97	32.68	-0.06	10.70	-2.76	-9.25e-03
102	165	960.00	-13.37	25.76	1.06	3.54	-2.52	-0.04
102	165	1010.00	-10.97	22.45	1.70	-5.51	-1.85	-0.05
102	165	1060.00	-6.08	14.75	3.07	-9.17	-0.85	-0.05
102	168	700.00	-91.26	16.67	2.16	-56.65	0.43	-0.11
102	168	752.50	-90.44	16.50	1.66	-54.18	0.28	-0.10
102	168	805.00	-75.97	2.87	2.30	-27.69	1.60	-0.07
102	168	857.50	-62.78	1.52	0.92	9.98	2.45	-0.04
102	168	910.00	-48.94	-2.32	0.12	34.13	2.72	-1.91e-03
102	168	960.00	-48.18	-21.90	-0.87	-2.71	2.52	0.04
102	168	1010.00	-38.36	-20.12	-0.81	-25.68	2.07	0.05
102	168	1060.00	-23.52	-9.73	-3.56	-36.28	0.81	0.03
102	170	700.00	-93.57	-11.24	2.14	-43.90	0.40	-0.10
102	170	752.50	-92.75	-11.40	1.63	-41.43	0.25	-0.09
102	170	805.00	-76.29	-29.76	2.47	-27.99	1.61	-0.04
102	170	857.50	-63.21	-30.74	0.93	-6.45	2.50	-0.02
102	170	910.00	-49.86	-34.01	0.10	0.24	2.78	0.02
102	170	960.00	-48.61	-43.76	-0.88	-22.71	2.57	0.05
102	170	1010.00	-40.09	-40.95	-0.77	-40.60	2.13	0.06
102	170	1060.00	-25.62	-26.90	-3.68	-43.52	0.84	0.05
102	178	700.00	-67.81	-57.73	0.68	5.97	0.06	-0.03
102	178	752.50	-66.99	-57.90	0.17	8.44	-0.09	-0.03
102	178	805.00	-54.67	-74.60	1.12	-7.63	0.54	9.39e-03
102	178	857.50	-48.00	-74.04	0.32	-31.45	0.91	0.01
102	178	910.00	-40.82	-73.77	-2.53e-03	-59.74	1.00	-9.31e-03
102	178	960.00	-36.56	-62.63	-0.25	-52.18	0.92	8.61e-03
102	178	1010.00	-28.49	-59.83	0.09	-47.89	0.80	0.02
102	178	1060.00	-22.34	-46.19	-1.56	-44.48	0.31	8.79e-03
102	197	700.00	-11.89	16.34	-2.20	16.33	-0.48	0.07
102	197	752.50	-11.08	16.18	-2.71	18.80	-0.63	0.07
102	197	805.00	-15.73	28.31	-2.29	21.51	-1.63	0.05
102	197	857.50	-20.14	29.10	-0.88	9.14	-2.46	0.02
102	197	910.00	-25.16	32.09	-0.06	10.52	-2.71	-9.09e-03
102	197	960.00	-13.66	25.14	1.04	3.33	-2.48	-0.04
102	197	1010.00	-11.17	21.88	1.68	-5.71	-1.82	-0.05
102	197	1060.00	-6.25	14.38	3.01	-9.50	-0.83	-0.05
102	200	700.00	-90.49	16.51	2.13	-55.59	0.42	-0.11
102	200	752.50	-89.67	16.34	1.62	-53.12	0.27	-0.10
102	200	805.00	-75.41	2.94	2.26	-26.88	1.58	-0.07
102	200	857.50	-62.39	1.62	0.90	10.33	2.41	-0.04
102	200	910.00	-48.73	-2.14	0.11	34.24	2.67	-2.34e-03
102	200	960.00	-47.82	-21.56	-0.85	-2.40	2.48	0.03
102	200	1010.00	-38.14	-19.82	-0.79	-25.45	2.04	0.04
102	200	1060.00	-23.34	-9.58	-3.50	-35.97	0.79	0.03
102	202	700.00	-92.93	-11.21	2.10	-43.64	0.39	-0.10
102	202	752.50	-92.11	-11.38	1.59	-41.17	0.24	-0.09
102	202	805.00	-75.88	-29.50	2.43	-27.64	1.59	-0.04
102	202	857.50	-62.88	-30.46	0.92	-6.52	2.46	-0.02
102	202	910.00	-49.66	-33.67	0.10	0.10	2.73	0.02
102	202	960.00	-48.34	-43.31	-0.86	-22.73	2.53	0.05
102	202	1010.00	-39.82	-40.56	-0.75	-40.38	2.10	0.06
102	202	1060.00	-25.48	-26.68	-3.62	-43.30	0.83	0.05
102	210	700.00	-70.40	-67.47	0.80	8.75	0.07	-0.03
102	210	752.50	-69.59	-67.64	0.29	11.22	-0.08	-0.03
102	210	805.00	-56.20	-86.58	1.29	-8.59	0.63	0.01
102	210	857.50	-49.11	-85.93	0.37	-37.00	1.06	0.01
102	210	910.00	-41.45	-85.59	-5.50e-03	-70.51	1.16	-0.01
102	210	960.00	-37.53	-71.31	-0.31	-59.26	1.06	9.97e-03
102	210	1010.00	-29.08	-68.01	0.03	-52.16	0.91	0.02
102	210	1060.00	-23.42	-52.67	-1.76	-47.47	0.36	0.01
102	232	700.00	-96.62	19.51	2.47	-62.62	0.50	-0.12

102	232	752.50	-95.80	19.34	1.97	-60.15	0.35	-0.12
102	232	805.00	-80.20	4.36	2.60	-30.54	1.83	-0.08
102	232	857.50	-65.81	2.83	1.04	12.42	2.79	-0.05
102	232	910.00	-50.64	-1.54	0.13	40.01	3.10	-2.92e-03
102	232	960.00	-50.55	-23.02	-1.00	-0.53	2.87	0.04
102	232	1010.00	-40.24	-20.98	-0.99	-25.53	2.34	0.05
102	232	1060.00	-24.49	-9.68	-4.01	-37.28	0.92	0.04
102	233	700.00	-5.09	14.78	-2.52	24.28	-0.54	0.08
102	233	752.50	-4.27	14.61	-3.02	26.75	-0.69	0.08
102	233	805.00	-10.54	28.70	-2.65	26.62	-1.87	0.05
102	233	857.50	-16.42	29.74	-1.03	9.19	-2.84	0.02
102	233	910.00	-22.62	33.37	-0.07	8.28	-3.13	-0.03
102	233	960.00	-10.66	27.97	1.19	3.44	-2.87	-0.05
102	233	1010.00	-7.70	24.39	1.86	-1.90	-2.14	-0.07
102	233	1060.00	-4.77	15.61	3.53	-7.24	-0.96	-0.07
102	234	700.00	-99.60	-13.48	2.45	-48.75	0.46	-0.11
102	234	752.50	-98.79	-13.65	1.94	-46.27	0.31	-0.10
102	234	805.00	-80.83	-34.27	2.81	-31.67	1.84	-0.05
102	234	857.50	-66.42	-35.39	1.06	-7.89	2.86	-0.02
102	234	910.00	-51.75	-39.10	0.11	-0.84	3.17	0.02
102	234	960.00	-51.22	-48.94	-1.02	-24.94	2.94	0.06
102	234	1010.00	-42.24	-45.69	-0.95	-43.37	2.42	0.07
102	234	1060.00	-27.07	-30.06	-4.16	-46.08	0.96	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-99.60	-86.58	-4.16	-71.70	-3.13	-0.12
	-4.27	33.37	3.53	40.01	3.17	0.08

Macro	Tipo	Angolo 1-Z (gradi)
103	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
103	4	910.00	-1.36	14.91	0.02	-7.07	0.0	-4.39e-03
103	4	960.00	-1.36	14.91	0.02	0.38	0.01	-4.43e-03
103	4	1010.00	-1.41	15.91	-5.17e-04	2.04	0.01	-1.61e-03
103	4	1060.00	-0.14	11.85	-0.02	0.03	7.86e-04	4.32e-04
103	7	910.00	-0.94	11.43	0.02	-5.48	0.0	-3.19e-03
103	7	960.00	-0.94	11.43	0.02	0.24	0.01	-2.98e-03
103	7	1010.00	-0.95	12.23	-7.00e-04	1.51	0.01	-6.07e-04
103	7	1060.00	-0.08	8.99	-0.02	0.02	6.53e-04	7.68e-04
103	11	910.00	-1.43	14.12	0.02	-6.63	0.0	-4.10e-03
103	11	960.00	-1.43	14.12	0.02	0.42	0.01	-4.21e-03
103	11	1010.00	-1.51	15.02	-2.38e-04	2.01	0.01	-1.68e-03
103	11	1060.00	-0.17	11.33	-0.02	0.04	7.12e-04	2.73e-04
103	28	910.00	-1.30	14.24	0.01	-6.75	0.0	-5.38e-03
103	28	960.00	-1.30	14.24	0.01	0.36	7.41e-03	-6.48e-03
103	28	1010.00	-1.35	15.20	7.80e-05	1.95	7.44e-03	-4.39e-03
103	28	1060.00	-0.14	11.30	-0.02	0.03	5.84e-04	-1.55e-03
103	67	910.00	-0.87	9.60	0.02	-4.58	0.0	-2.86e-03
103	67	960.00	-0.87	9.60	0.02	0.22	7.95e-03	-2.87e-03
103	67	1010.00	-0.87	10.26	-4.92e-04	1.28	7.71e-03	-1.02e-03
103	67	1060.00	-0.11	7.56	-0.02	0.02	5.07e-04	2.92e-04
103	68	910.00	-0.98	10.35	0.02	-4.91	0.0	-3.09e-03
103	68	960.00	-0.98	10.35	0.02	0.26	8.20e-03	-3.17e-03
103	68	1010.00	-1.00	11.04	-3.62e-04	1.42	8.02e-03	-1.24e-03
103	68	1060.00	-0.11	8.22	-0.02	0.03	5.33e-04	2.11e-04
103	71	910.00	-1.02	9.82	0.01	-4.61	0.0	-2.90e-03
103	71	960.00	-1.02	9.82	0.01	0.29	7.29e-03	-3.02e-03
103	71	1010.00	-1.07	10.45	-1.76e-04	1.40	7.21e-03	-1.29e-03
103	71	1060.00	-0.14	7.87	-0.01	0.03	4.84e-04	1.05e-04
103	80	910.00	-0.94	9.90	0.01	-4.69	0.0	-3.75e-03
103	80	960.00	-0.94	9.90	0.01	0.25	5.04e-03	-4.53e-03
103	80	1010.00	-0.96	10.57	3.42e-05	1.36	5.06e-03	-3.10e-03
103	80	1060.00	-0.12	7.85	-0.01	0.03	3.99e-04	-1.11e-03
103	98	910.00	-0.80	8.10	9.82e-03	-3.85	0.0	-2.91e-03
103	98	960.00	-0.80	8.10	9.82e-03	0.19	4.91e-03	-3.38e-03
103	98	1010.00	-0.79	8.65	-2.23e-04	1.10	4.80e-03	-2.07e-03
103	98	1060.00	-0.12	6.37	-9.66e-03	0.02	3.49e-04	-5.80e-04
103	101	910.00	-0.82	7.97	9.25e-03	-3.78	0.0	-2.87e-03
103	101	960.00	-0.82	7.97	9.25e-03	0.21	4.63e-03	-3.35e-03
103	101	1010.00	-0.82	8.50	-1.52e-04	1.10	4.55e-03	-2.11e-03

103	101	1060.00	-0.13	6.30	-9.13e-03	0.03	3.34e-04	-6.21e-04
103	107	910.00	-0.78	7.67	9.06e-03	-3.65	0.0	-2.77e-03
103	107	960.00	-0.78	7.67	9.06e-03	0.19	4.53e-03	-3.23e-03
103	107	1010.00	-0.77	8.19	-2.04e-04	1.04	4.43e-03	-2.02e-03
103	107	1060.00	-0.13	6.04	-8.88e-03	0.02	3.24e-04	-5.88e-04
103	108	910.00	-0.44	30.25	0.11	-10.89	0.03	-1.45e-03
103	108	960.00	-0.44	30.25	0.11	-7.06	0.03	-2.34e-03
103	108	1010.00	-0.41	32.32	1.10e-03	-3.44	0.06	-2.82e-03
103	108	1060.00	0.32	20.68	-0.07	-0.09	0.01	-1.58e-03
103	115	910.00	-1.27	-13.89	-0.10	3.35	-0.03	-2.13e-03
103	115	960.00	-1.27	-13.89	-0.10	7.18	-0.02	-2.14e-03
103	115	1010.00	-1.17	-14.88	-1.36e-03	5.33	-0.05	9.71e-04
103	115	1060.00	-0.56	-7.79	0.05	0.13	-0.01	1.83e-03
103	138	910.00	-0.50	9.59	0.28	-4.36	0.07	-0.04
103	138	960.00	-0.50	9.59	0.28	-0.53	0.07	-0.05
103	138	1010.00	-0.67	10.27	-1.90e-03	0.67	0.14	-0.06
103	138	1060.00	-0.08	7.07	-0.14	0.01	0.03	-0.04
103	140	910.00	-0.40	33.09	0.12	-11.81	0.03	-1.28e-03
103	140	960.00	-0.40	33.09	0.12	-7.97	0.04	-2.22e-03
103	140	1010.00	-0.36	35.36	1.28e-03	-4.01	0.07	-2.92e-03
103	140	1060.00	0.38	22.52	-0.07	-0.11	0.02	-1.70e-03
103	147	910.00	-1.33	-16.61	-0.11	4.23	-0.03	-2.04e-03
103	147	960.00	-1.33	-16.61	-0.11	8.07	-0.03	-2.00e-03
103	147	1010.00	-1.22	-17.79	-1.51e-03	5.88	-0.06	1.35e-03
103	147	1060.00	-0.62	-9.54	0.06	0.15	-0.02	2.13e-03
103	170	910.00	-0.47	9.82	0.31	-4.45	0.08	-0.05
103	170	960.00	-0.47	9.82	0.31	-0.61	0.08	-0.05
103	170	1010.00	-0.66	10.52	-2.11e-03	0.62	0.15	-0.06
103	170	1060.00	-0.08	7.19	-0.15	0.01	0.04	-0.04
103	172	910.00	-0.41	32.73	0.12	-11.70	0.03	-1.79e-03
103	172	960.00	-0.41	32.73	0.12	-7.86	0.03	-2.73e-03
103	172	1010.00	-0.37	34.97	1.37e-03	-3.94	0.07	-3.47e-03
103	172	1060.00	0.37	22.30	-0.07	-0.11	0.02	-2.08e-03
103	179	910.00	-1.31	-16.28	-0.11	4.13	-0.03	-1.44e-03
103	179	960.00	-1.31	-16.28	-0.11	7.96	-0.03	-1.39e-03
103	179	1010.00	-1.21	-17.43	-1.64e-03	5.81	-0.06	2.01e-03
103	179	1060.00	-0.61	-9.34	0.06	0.15	-0.02	2.58e-03
103	202	910.00	-0.48	9.72	0.31	-4.41	0.07	-0.05
103	202	960.00	-0.48	9.72	0.31	-0.58	0.08	-0.05
103	202	1010.00	-0.66	10.42	-2.07e-03	0.64	0.15	-0.06
103	202	1060.00	-0.08	7.14	-0.15	0.01	0.04	-0.04
103	204	910.00	-0.35	36.93	0.13	-13.05	0.04	-1.88e-03
103	204	960.00	-0.35	36.93	0.13	-9.21	0.04	-2.91e-03
103	204	1010.00	-0.31	39.45	1.70e-03	-4.77	0.08	-4.00e-03
103	204	1060.00	0.45	25.03	-0.08	-0.13	0.02	-2.53e-03
103	211	910.00	-1.40	-20.32	-0.13	5.44	-0.04	-9.13e-04
103	211	960.00	-1.40	-20.32	-0.13	9.27	-0.03	-7.68e-04
103	211	1010.00	-1.28	-21.75	-1.95e-03	6.62	-0.07	3.03e-03
103	211	1060.00	-0.69	-11.94	0.07	0.17	-0.02	3.35e-03
103	234	910.00	-0.44	9.96	0.36	-4.50	0.09	-0.05
103	234	960.00	-0.44	9.96	0.36	-0.67	0.09	-0.06
103	234	1010.00	-0.64	10.67	-2.42e-03	0.59	0.18	-0.07
103	234	1060.00	-0.07	7.26	-0.18	0.01	0.04	-0.05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-1.51	-21.75	-0.18	-13.05	-0.07	-0.07
	0.45	39.45	0.36	9.27	0.18	3.35e-03

Macro	Tipo	Angolo 1-Z (gradi)
104	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
104	11	700.00	-77.49	11.91	0.09	-17.44	-0.01	-3.02e-03
104	11	752.50	-76.78	11.29	5.24e-04	-9.17	0.01	-9.74e-03
104	11	805.00	-73.04	0.25	-0.02	-6.38	0.04	-2.42e-04
104	11	857.50	-67.72	0.26	-9.39e-03	-0.16	0.03	1.09e-03
104	11	910.00	-62.20	0.36	-0.04	6.68	0.02	1.24e-03
104	11	960.00	-49.18	-8.94	-0.09	-13.32	-0.01	3.12e-03
104	11	1010.00	-36.83	-9.87	-7.99e-03	-28.87	-0.05	0.02
104	11	1060.00	-25.55	3.50	0.09	-44.95	0.0	0.01
104	28	700.00	-70.12	13.63	0.06	-4.76	-2.18e-03	-1.39e-03

104	28	752.50	-70.10	13.04	0.08	2.32	0.03	-8.76e-03
104	28	805.00	-66.62	2.29	-0.03	5.23	0.03	-2.13e-03
104	28	857.50	-61.73	2.30	-0.02	11.19	0.02	-1.11e-04
104	28	910.00	-56.63	2.38	-0.04	17.85	2.76e-03	9.26e-04
104	28	960.00	-44.09	-6.86	-0.07	-1.93	-0.03	3.36e-03
104	28	1010.00	-32.21	-7.80	0.02	-17.38	-0.05	0.02
104	28	1060.00	-21.25	3.52	0.09	-33.44	0.0	0.01
104	33	700.00	-59.12	7.76	-5.95e-03	-18.75	-3.60e-03	-3.38e-03
104	33	752.50	-58.88	7.48	0.03	-14.01	3.94e-03	-6.04e-03
104	33	805.00	-56.20	2.39	-0.03	-13.74	-1.76e-03	-2.78e-03
104	33	857.50	-52.10	2.38	-0.01	-10.12	-9.84e-03	-1.40e-03
104	33	910.00	-47.87	2.44	-0.04	-6.08	-0.02	-5.26e-04
104	33	960.00	-38.60	-3.67	-0.08	-20.01	-0.05	1.05e-03
104	33	1010.00	-29.93	-4.35	-0.12	-31.32	-0.09	8.60e-03
104	33	1060.00	-21.43	5.28	0.19	-41.17	0.0	0.02
104	45	700.00	-29.64	4.74	-0.02	-1.81	2.89e-03	-9.16e-04
104	45	752.50	-29.94	4.65	0.06	-0.25	0.01	-2.40e-03
104	45	805.00	-28.01	2.69	-0.02	-0.34	-4.42e-03	-2.87e-03
104	45	857.50	-25.41	2.68	-0.01	1.21	-0.01	-2.01e-03
104	45	910.00	-22.74	2.70	-0.02	2.97	-0.02	-1.23e-03
104	45	960.00	-17.74	-0.06	-0.03	-3.57	-0.03	-2.83e-04
104	45	1010.00	-13.07	-0.38	-0.06	-8.95	-0.05	2.69e-03
104	45	1060.00	-8.32	2.94	0.10	-13.45	0.0	9.14e-03
104	71	700.00	-55.45	8.36	0.06	-12.09	-6.89e-03	-2.24e-03
104	71	752.50	-54.97	7.93	2.70e-03	-6.34	9.27e-03	-6.87e-03
104	71	805.00	-52.17	0.29	-0.02	-4.47	0.02	-3.82e-04
104	71	857.50	-48.24	0.30	-6.95e-03	-0.14	0.02	5.62e-04
104	71	910.00	-44.18	0.36	-0.03	4.62	0.01	6.99e-04
104	71	960.00	-34.88	-6.11	-0.06	-9.36	-0.01	2.04e-03
104	71	1010.00	-26.05	-6.76	-6.90e-03	-20.24	-0.04	0.01
104	71	1060.00	-17.96	2.55	0.07	-31.42	0.0	9.88e-03
104	80	700.00	-50.54	9.51	0.04	-3.63	-1.62e-03	-1.15e-03
104	80	752.50	-50.51	9.10	0.05	1.33	0.02	-6.22e-03
104	80	805.00	-47.89	1.65	-0.02	3.27	0.02	-1.64e-03
104	80	857.50	-44.25	1.65	-0.01	7.43	0.01	-2.36e-04
104	80	910.00	-40.46	1.71	-0.03	12.07	1.17e-03	4.90e-04
104	80	960.00	-31.48	-4.72	-0.05	-1.77	-0.02	2.20e-03
104	80	1010.00	-22.98	-5.37	9.69e-03	-12.58	-0.04	0.01
104	80	1060.00	-15.09	2.56	0.07	-23.75	0.0	9.44e-03
104	81	700.00	-43.20	5.59	-3.80e-03	-12.96	-2.56e-03	-2.48e-03
104	81	752.50	-43.03	5.39	0.03	-9.56	3.12e-03	-4.40e-03
104	81	805.00	-40.94	1.71	-0.02	-9.38	-8.94e-04	-2.07e-03
104	81	857.50	-37.83	1.71	-0.01	-6.78	-6.62e-03	-1.09e-03
104	81	910.00	-34.62	1.75	-0.03	-3.88	-0.02	-4.78e-04
104	81	960.00	-27.82	-2.59	-0.05	-13.82	-0.03	6.61e-04
104	81	1010.00	-21.45	-3.07	-0.08	-21.87	-0.06	6.12e-03
104	81	1060.00	-15.21	3.74	0.13	-28.90	0.0	0.01
104	85	700.00	-32.84	5.00	-5.09e-03	-3.29	1.05e-03	-1.25e-03
104	85	752.50	-32.99	4.85	0.05	-1.16	0.01	-3.10e-03
104	85	805.00	-30.89	2.11	-0.02	-0.98	-3.22e-04	-2.42e-03
104	85	857.50	-28.08	2.10	-9.71e-03	0.91	-6.50e-03	-1.58e-03
104	85	910.00	-25.19	2.13	-0.02	3.04	-0.01	-9.27e-04
104	85	960.00	-19.67	-1.02	-0.03	-4.24	-0.03	6.53e-05
104	85	1010.00	-14.48	-1.36	-0.04	-10.11	-0.04	3.91e-03
104	85	1060.00	-9.36	2.68	0.09	-15.35	0.0	8.66e-03
104	98	700.00	-44.44	7.80	0.04	-2.01	-2.38e-03	-1.28e-03
104	98	752.50	-44.35	7.45	0.04	2.28	0.02	-5.62e-03
104	98	805.00	-41.63	0.92	-0.02	3.99	0.02	-1.25e-03
104	98	857.50	-38.08	0.93	-7.83e-03	7.51	0.01	-1.82e-04
104	98	910.00	-34.40	0.97	-0.02	11.42	6.09e-03	2.77e-04
104	98	960.00	-26.47	-4.25	-0.04	0.17	-0.01	1.68e-03
104	98	1010.00	-18.92	-4.77	0.03	-8.48	-0.02	8.98e-03
104	98	1060.00	-12.00	1.65	0.03	-17.73	0.0	6.03e-03
104	101	700.00	-45.06	7.51	0.04	-4.27	-2.82e-03	-1.56e-03
104	101	752.50	-44.92	7.17	0.03	0.01	0.01	-5.58e-03
104	101	805.00	-42.28	0.94	-0.02	1.53	0.02	-1.29e-03
104	101	857.50	-38.75	0.94	-8.10e-03	4.98	0.01	-2.39e-04
104	101	910.00	-35.10	0.99	-0.02	8.81	3.53e-03	2.21e-04
104	101	960.00	-27.24	-4.19	-0.04	-2.42	-0.01	1.60e-03
104	101	1010.00	-19.75	-4.71	0.02	-11.12	-0.03	8.79e-03
104	101	1060.00	-12.84	1.96	0.05	-20.19	0.0	7.26e-03
104	104	700.00	-35.48	4.87	8.60e-03	-5.03	-1.58e-03	-1.74e-03
104	104	752.50	-35.41	4.68	0.03	-2.32	7.56e-03	-3.83e-03
104	104	805.00	-33.08	1.17	-0.01	-1.85	4.92e-03	-1.72e-03
104	104	857.50	-30.02	1.17	-7.35e-03	0.31	9.36e-04	-9.95e-04

104	104	910.00	-26.89	1.21	-0.02	2.70	-5.41e-03	-5.84e-04
104	104	960.00	-20.96	-2.13	-0.03	-4.86	-0.02	3.78e-04
104	104	1010.00	-15.35	-2.47	-0.02	-10.81	-0.03	5.08e-03
104	104	1060.00	-9.98	2.14	0.07	-16.51	0.0	7.27e-03
104	106	700.00	-36.14	4.83	0.01	-5.46	-2.23e-03	-1.86e-03
104	106	752.50	-36.02	4.63	0.02	-2.61	6.36e-03	-4.02e-03
104	106	805.00	-33.63	0.94	-0.01	-2.07	6.23e-03	-1.55e-03
104	106	857.50	-30.51	0.94	-6.76e-03	0.15	2.79e-03	-8.50e-04
104	106	910.00	-27.31	0.97	-0.02	2.62	-3.41e-03	-4.98e-04
104	106	960.00	-21.29	-2.41	-0.03	-5.02	-0.02	4.56e-04
104	106	1010.00	-15.57	-2.75	-0.01	-10.99	-0.03	5.37e-03
104	106	1060.00	-10.14	2.00	0.06	-16.80	0.0	6.92e-03
104	107	700.00	-43.25	7.38	0.04	-2.51	-2.36e-03	-1.36e-03
104	107	752.50	-43.16	7.04	0.03	1.58	0.02	-5.39e-03
104	107	805.00	-40.49	0.93	-0.02	3.12	0.02	-1.29e-03
104	107	857.50	-37.00	0.93	-7.68e-03	6.46	0.01	-2.77e-04
104	107	910.00	-33.39	0.97	-0.02	10.16	4.74e-03	1.66e-04
104	107	960.00	-25.73	-3.99	-0.04	-0.57	-0.01	1.51e-03
104	107	1010.00	-18.44	-4.48	0.03	-8.83	-0.02	8.47e-03
104	107	1060.00	-11.73	1.70	0.04	-17.60	0.0	6.16e-03
104	108	700.00	-72.80	66.06	0.33	-85.30	0.10	-0.02
104	108	752.50	-72.71	65.72	0.33	-81.22	0.12	-0.03
104	108	805.00	-70.76	56.61	0.02	-50.59	0.20	-0.03
104	108	857.50	-66.81	53.25	0.02	-17.69	0.24	0.02
104	108	910.00	-62.86	52.64	0.01	14.40	0.28	0.03
104	108	960.00	-46.46	33.79	-0.13	-1.90	0.22	0.03
104	108	1010.00	-31.88	28.18	-0.05	-12.71	0.10	0.04
104	108	1060.00	-19.48	34.63	-0.08	-28.31	0.03	0.04
104	124	700.00	-84.42	42.20	-2.80	-66.12	0.67	-0.07
104	124	752.50	-84.32	41.87	2.79	-62.04	0.68	-0.06
104	124	805.00	-80.66	18.24	1.97	-42.74	1.91	-0.04
104	124	857.50	-74.70	11.34	0.94	-19.02	2.69	-2.09e-05
104	124	910.00	-68.13	12.34	0.05	2.14	2.96	0.03
104	124	960.00	-54.49	-3.38	-1.08	-15.86	2.70	0.06
104	124	1010.00	-38.34	-1.03	-1.66	-27.17	1.99	0.09
104	124	1060.00	-24.40	16.27	-3.12	-40.87	0.79	0.07
104	127	700.00	-2.09	-27.44	-2.72	61.11	-0.67	0.07
104	127	752.50	-1.99	-27.78	-2.73	65.19	-0.65	0.05
104	127	805.00	-0.31	-16.39	-2.00	48.99	-1.88	0.03
104	127	857.50	0.70	-9.49	-0.96	31.94	-2.66	-5.34e-04
104	127	910.00	1.35	-10.39	-0.10	18.19	-2.95	-0.03
104	127	960.00	3.02	-4.60	1.01	14.72	-2.73	-0.06
104	127	1010.00	1.45	-7.93	1.72	9.50	-2.03	-0.07
104	127	1060.00	0.93	-12.88	3.19	5.67	-0.79	-0.05
104	130	700.00	-74.53	13.82	3.12	-28.82	0.72	-0.07
104	130	752.50	-74.43	13.48	3.12	-24.74	0.74	-0.06
104	130	805.00	-70.26	-11.68	2.29	-19.58	2.14	-0.02
104	130	857.50	-64.17	-17.86	1.10	-9.70	3.04	4.35e-04
104	130	910.00	-57.27	-16.34	0.05	-2.12	3.34	0.04
104	130	960.00	-47.61	-25.84	-1.22	-18.07	3.06	0.07
104	130	1010.00	-34.02	-20.74	-1.92	-28.16	2.29	0.09
104	130	1060.00	-21.88	-0.83	-3.64	-38.24	0.92	0.06
104	140	700.00	-76.50	73.45	0.37	-95.67	0.12	-0.02
104	140	752.50	-76.40	73.11	0.37	-91.59	0.14	-0.03
104	140	805.00	-74.54	63.62	0.03	-57.31	0.22	-0.03
104	140	857.50	-70.54	59.85	0.03	-20.68	0.27	0.02
104	140	910.00	-66.55	59.16	0.02	14.98	0.31	0.03
104	140	960.00	-49.05	38.55	-0.15	-2.02	0.25	0.03
104	140	1010.00	-33.55	32.29	-0.06	-13.16	0.12	0.05
104	140	1060.00	-20.44	38.78	-0.10	-29.63	0.03	0.04
104	156	700.00	-89.56	46.55	3.14	-74.04	0.75	-0.08
104	156	752.50	-89.46	46.21	3.14	-69.95	0.77	-0.07
104	156	805.00	-85.67	20.40	2.21	-48.45	2.15	-0.04
104	156	857.50	-79.40	12.64	1.06	-22.18	3.02	3.77e-05
104	156	910.00	-72.46	13.76	0.06	1.16	3.33	0.04
104	156	960.00	-58.08	-3.31	-1.21	-17.75	3.04	0.07
104	156	1010.00	-40.82	-0.61	-1.87	-29.45	2.24	0.10
104	156	1060.00	-25.98	18.09	-3.51	-43.78	0.89	0.07
104	159	700.00	3.05	-31.79	-3.07	69.02	-0.75	0.08
104	159	752.50	3.15	-32.12	-3.07	73.11	-0.74	0.06
104	159	805.00	4.70	-18.54	-2.25	54.70	-2.12	0.04
104	159	857.50	5.41	-10.78	-1.07	35.10	-3.00	-5.93e-04
104	159	910.00	5.69	-11.81	-0.11	19.17	-3.32	-0.04
104	159	960.00	6.61	-4.67	1.14	16.61	-3.07	-0.07
104	159	1010.00	3.93	-8.35	1.93	11.78	-2.29	-0.08

104	159	1060.00	2.52	-14.70	3.59	8.58	-0.89	-0.06
104	162	700.00	-78.47	14.58	3.51	-32.11	0.81	-0.08
104	162	752.50	-78.37	14.25	3.51	-28.02	0.83	-0.07
104	162	805.00	-74.01	-13.32	2.58	-22.44	2.41	-0.03
104	162	857.50	-67.60	-20.27	1.24	-11.76	3.42	5.60e-04
104	162	910.00	-60.27	-18.57	0.05	-3.72	3.76	0.04
104	162	960.00	-50.37	-28.63	-1.36	-20.32	3.45	0.08
104	162	1010.00	-35.99	-22.82	-2.16	-30.63	2.58	0.10
104	162	1060.00	-23.16	-1.17	-4.10	-40.85	1.04	0.07
104	172	700.00	-75.24	72.21	0.37	-92.82	0.12	-0.02
104	172	752.50	-75.14	71.88	0.37	-88.73	0.14	-0.03
104	172	805.00	-73.19	62.66	0.03	-55.18	0.23	-0.03
104	172	857.50	-69.30	59.02	0.03	-19.07	0.27	0.02
104	172	910.00	-65.38	58.34	0.02	16.01	0.31	0.03
104	172	960.00	-48.12	37.95	-0.15	-0.95	0.26	0.03
104	172	1010.00	-32.88	31.77	-0.07	-12.18	0.12	0.05
104	172	1060.00	-20.01	38.14	-0.10	-28.78	0.04	0.04
104	188	700.00	-88.68	45.73	3.11	-72.31	0.74	-0.08
104	188	752.50	-88.58	45.39	3.11	-68.22	0.76	-0.07
104	188	805.00	-84.76	19.93	2.19	-47.22	2.13	-0.04
104	188	857.50	-78.54	12.35	1.05	-21.38	2.99	5.79e-05
104	188	910.00	-71.68	13.45	0.06	1.61	3.30	0.04
104	188	960.00	-57.41	-3.41	-1.20	-17.22	3.01	0.07
104	188	1010.00	-40.37	-0.78	-1.85	-28.95	2.22	0.10
104	188	1060.00	-25.72	17.72	-3.48	-43.32	0.88	0.07
104	191	700.00	2.17	-30.97	-3.04	67.30	-0.75	0.07
104	191	752.50	2.27	-31.31	-3.04	71.38	-0.73	0.06
104	191	805.00	3.78	-18.07	-2.22	53.47	-2.10	0.04
104	191	857.50	4.55	-10.49	-1.06	34.30	-2.97	-6.13e-04
104	191	910.00	4.90	-11.50	-0.11	18.72	-3.29	-0.04
104	191	960.00	5.94	-4.57	1.13	16.08	-3.04	-0.07
104	191	1010.00	3.49	-8.18	1.91	11.28	-2.26	-0.08
104	191	1060.00	2.26	-14.33	3.55	8.12	-0.88	-0.06
104	194	700.00	-78.37	14.27	3.47	-31.92	0.81	-0.08
104	194	752.50	-78.27	13.93	3.47	-27.83	0.82	-0.07
104	194	805.00	-73.95	-13.51	2.56	-22.56	2.38	-0.03
104	194	857.50	-67.52	-20.35	1.22	-12.13	3.39	8.50e-04
104	194	910.00	-60.22	-18.68	0.06	-4.21	3.72	0.04
104	194	960.00	-50.29	-28.58	-1.35	-20.69	3.41	0.08
104	194	1010.00	-35.95	-22.86	-2.14	-30.85	2.55	0.10
104	194	1060.00	-23.12	-1.32	-4.06	-40.84	1.02	0.07
104	204	700.00	-80.07	82.91	0.42	-107.06	0.14	-0.02
104	204	752.50	-79.97	82.57	0.42	-102.98	0.16	-0.03
104	204	805.00	-78.11	73.00	0.03	-64.11	0.26	-0.03
104	204	857.50	-74.21	68.80	0.04	-22.59	0.31	0.03
104	204	910.00	-70.29	67.99	0.02	17.67	0.36	0.03
104	204	960.00	-51.49	45.02	-0.16	-0.37	0.30	0.04
104	204	1010.00	-35.02	37.88	-0.09	-12.19	0.14	0.05
104	204	1060.00	-21.22	44.19	-0.13	-30.27	0.04	0.05
104	220	700.00	-95.99	51.92	3.62	-83.39	0.87	-0.09
104	220	752.50	-95.89	51.58	3.62	-79.31	0.88	-0.08
104	220	805.00	-91.86	22.96	2.56	-55.14	2.48	-0.05
104	220	857.50	-85.21	14.16	1.22	-25.63	3.49	1.63e-04
104	220	910.00	-77.81	15.44	0.08	0.46	3.85	0.04
104	220	960.00	-62.50	-3.38	-1.39	-19.74	3.52	0.08
104	220	1010.00	-43.91	-0.24	-2.17	-32.13	2.59	0.11
104	220	1060.00	-28.00	20.29	-4.06	-47.52	1.02	0.08
104	223	700.00	9.49	-37.16	-3.55	78.38	-0.87	0.09
104	223	752.50	9.58	-37.50	-3.55	82.46	-0.85	0.07
104	223	805.00	10.89	-21.11	-2.59	61.39	-2.45	0.04
104	223	857.50	11.22	-12.30	-1.24	38.56	-3.46	-7.18e-04
104	223	910.00	11.03	-13.49	-0.12	19.87	-3.84	-0.04
104	223	960.00	11.03	-4.60	1.32	18.60	-3.54	-0.08
104	223	1010.00	7.02	-8.72	2.22	14.46	-2.64	-0.09
104	223	1060.00	4.54	-16.90	4.14	12.31	-1.02	-0.07
104	226	700.00	-84.22	14.94	4.05	-36.39	0.94	-0.09
104	226	752.50	-84.13	14.61	4.05	-32.30	0.96	-0.08
104	226	805.00	-79.52	-16.49	2.99	-26.69	2.78	-0.03
104	226	857.50	-72.60	-24.44	1.43	-15.32	3.95	1.40e-03
104	226	910.00	-64.64	-22.49	0.07	-6.95	4.34	0.05
104	226	960.00	-54.39	-33.12	-1.57	-24.34	3.98	0.09
104	226	1010.00	-38.90	-26.32	-2.50	-34.76	2.98	0.11
104	226	1060.00	-25.03	-2.13	-4.74	-44.81	1.20	0.08

M_S

N memb.

V memb.

V orto

M memb.

M orto

T

-95.99	-37.50	-4.74	-107.06	-3.84	-0.09
11.22	82.91	4.14	82.46	4.34	0.11

Macro	Tipo	Angolo 1-Z (gradi)
105	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
105	4	910.00	-4.54	18.11	0.06	-6.80	0.0	-6.62e-03
105	4	960.00	-4.54	18.11	0.06	2.24	0.03	-4.89e-03
105	4	1010.00	-7.60	19.85	0.06	6.10	0.06	2.22e-04
105	4	1060.00	-1.27	16.61	-0.15	0.44	5.40e-03	7.46e-03
105	11	910.00	-5.35	17.35	0.06	-5.96	0.0	-5.94e-03
105	11	960.00	-5.35	17.35	0.06	2.71	0.03	-4.47e-03
105	11	1010.00	-8.78	19.10	0.05	6.72	0.05	2.48e-05
105	11	1060.00	-1.51	16.42	-0.13	0.52	4.75e-03	6.45e-03
105	18	910.00	-4.41	16.13	0.06	-5.88	0.0	-5.29e-03
105	18	960.00	-4.41	16.13	0.06	2.18	0.03	-3.24e-03
105	18	1010.00	-7.28	17.70	0.05	5.72	0.06	1.58e-03
105	18	1060.00	-1.24	14.96	-0.13	0.43	4.91e-03	7.54e-03
105	45	910.00	-1.84	5.02	-2.03e-04	-1.65	0.0	-2.24e-03
105	45	960.00	-1.84	5.02	-2.03e-04	0.85	-1.02e-04	-3.09e-03
105	45	1010.00	-2.84	5.53	7.63e-03	2.05	3.71e-03	-2.93e-03
105	45	1060.00	-0.59	4.69	-9.96e-03	0.18	4.95e-04	-9.73e-04
105	68	910.00	-3.22	12.57	0.04	-4.70	0.0	-4.61e-03
105	68	960.00	-3.22	12.57	0.04	1.58	0.02	-3.47e-03
105	68	1010.00	-5.35	13.78	0.04	4.27	0.04	1.47e-05
105	68	1060.00	-0.91	11.54	-0.10	0.31	3.70e-03	5.02e-03
105	71	910.00	-3.76	12.07	0.04	-4.14	0.0	-4.15e-03
105	71	960.00	-3.76	12.07	0.04	1.89	0.02	-3.19e-03
105	71	1010.00	-6.14	13.28	0.04	4.68	0.04	-1.17e-04
105	71	1060.00	-1.07	11.41	-0.09	0.37	3.26e-03	4.36e-03
105	75	910.00	-3.13	11.25	0.04	-4.08	0.0	-3.72e-03
105	75	960.00	-3.13	11.25	0.04	1.54	0.02	-2.37e-03
105	75	1010.00	-5.14	12.35	0.04	4.02	0.04	9.21e-04
105	75	1060.00	-0.89	10.44	-0.09	0.30	3.37e-03	5.08e-03
105	85	910.00	-2.02	5.76	5.71e-03	-1.93	0.0	-2.42e-03
105	85	960.00	-2.02	5.76	5.71e-03	0.95	2.86e-03	-2.96e-03
105	85	1010.00	-3.15	6.34	0.01	2.31	8.66e-03	-2.36e-03
105	85	1060.00	-0.63	5.39	-0.02	0.20	8.96e-04	-1.10e-04
105	98	910.00	-2.40	9.76	0.03	-3.75	0.0	-4.00e-03
105	98	960.00	-2.40	9.76	0.03	1.13	0.01	-3.58e-03
105	98	1010.00	-3.94	10.69	0.03	3.17	0.03	-1.18e-03
105	98	1060.00	-0.70	8.83	-0.07	0.23	2.70e-03	3.01e-03
105	101	910.00	-2.62	9.66	0.03	-3.57	0.0	-3.86e-03
105	101	960.00	-2.62	9.66	0.03	1.26	0.01	-3.50e-03
105	101	1010.00	-4.27	10.60	0.03	3.35	0.03	-1.24e-03
105	101	1060.00	-0.76	8.87	-0.07	0.25	2.56e-03	2.79e-03
105	104	910.00	-2.10	6.15	0.01	-2.08	0.0	-2.40e-03
105	104	960.00	-2.10	6.15	0.01	0.99	6.30e-03	-2.48e-03
105	104	1010.00	-3.29	6.77	0.02	2.42	0.01	-1.40e-03
105	104	1060.00	-0.64	5.76	-0.03	0.20	1.31e-03	9.95e-04
105	106	910.00	-2.12	6.24	0.01	-2.12	0.0	-2.40e-03
105	106	960.00	-2.12	6.24	0.01	1.00	7.16e-03	-2.36e-03
105	106	1010.00	-3.32	6.87	0.02	2.45	0.02	-1.16e-03
105	106	1060.00	-0.65	5.85	-0.04	0.20	1.42e-03	1.27e-03
105	107	910.00	-2.36	9.26	0.03	-3.52	0.0	-3.77e-03
105	107	960.00	-2.36	9.26	0.03	1.11	0.01	-3.40e-03
105	107	1010.00	-3.85	10.14	0.03	3.06	0.03	-1.18e-03
105	107	1060.00	-0.69	8.41	-0.07	0.22	2.52e-03	2.76e-03
105	108	910.00	-3.49	31.66	0.19	-9.77	0.05	-0.02
105	108	960.00	-3.49	31.66	0.19	-5.14	0.06	-7.82e-03
105	108	1010.00	-6.63	34.78	0.07	0.56	0.13	-4.96e-03
105	108	1060.00	-0.68	23.37	-0.18	0.17	0.03	1.12e-03
105	126	910.00	-3.28	14.31	0.34	-4.60	0.08	-0.04
105	126	960.00	-3.28	14.31	0.34	0.03	0.09	-0.05
105	126	1010.00	-5.83	15.71	0.08	3.27	0.20	-0.06
105	126	1060.00	-0.85	12.75	-0.27	0.23	0.05	-0.03
105	132	910.00	-7.84	21.11	0.30	-4.36	0.07	-0.04
105	132	960.00	-7.84	21.11	0.30	0.26	0.08	-0.04
105	132	1010.00	-6.35	23.20	0.09	2.58	0.19	-0.04
105	132	1060.00	-0.87	15.93	-0.26	0.21	0.05	-0.02

105	135	910.00	3.13	-2.59	-0.25	-2.67	-0.07	0.03
105	135	960.00	3.13	-2.59	-0.25	1.96	-0.06	0.03
105	135	1010.00	-1.35	-2.91	-0.04	3.55	-0.13	0.04
105	135	1060.00	-0.51	0.89	0.13	0.24	-0.04	0.02
105	140	910.00	-3.63	34.48	0.21	-10.56	0.05	-0.02
105	140	960.00	-3.63	34.48	0.21	-5.93	0.07	-8.37e-03
105	140	1010.00	-6.98	37.88	0.08	0.25	0.15	-5.42e-03
105	140	1060.00	-0.68	25.25	-0.20	0.16	0.04	9.24e-04
105	158	910.00	-3.39	14.93	0.38	-4.73	0.09	-0.05
105	158	960.00	-3.39	14.93	0.38	-0.10	0.10	-0.05
105	158	1010.00	-6.08	16.38	0.09	3.30	0.22	-0.06
105	158	1060.00	-0.87	13.28	-0.29	0.23	0.06	-0.04
105	164	910.00	-8.53	22.61	0.34	-4.47	0.08	-0.04
105	164	960.00	-8.53	22.61	0.34	0.16	0.09	-0.04
105	164	1010.00	-6.67	24.84	0.10	2.52	0.21	-0.04
105	164	1060.00	-0.89	16.88	-0.28	0.21	0.06	-0.02
105	167	910.00	3.81	-4.09	-0.28	-2.56	-0.08	0.03
105	167	960.00	3.81	-4.09	-0.28	2.07	-0.07	0.03
105	167	1010.00	-1.03	-4.55	-0.05	3.61	-0.15	0.04
105	167	1060.00	-0.48	-0.06	-0.15	0.24	-0.05	0.03
105	172	910.00	-3.60	34.05	0.20	-10.45	0.05	-0.02
105	172	960.00	-3.60	34.05	0.20	-5.82	0.07	-8.43e-03
105	172	1010.00	-6.92	37.40	0.07	0.29	0.14	-5.47e-03
105	172	1060.00	-0.68	24.95	-0.19	0.16	0.03	9.06e-04
105	190	910.00	-3.38	14.81	0.38	-4.70	0.09	-0.05
105	190	960.00	-3.38	14.81	0.38	-0.07	0.10	-0.05
105	190	1010.00	-6.04	16.26	0.09	3.30	0.22	-0.06
105	190	1060.00	-0.87	13.19	-0.29	0.23	0.06	-0.04
105	196	910.00	-8.42	22.36	0.33	-4.45	0.08	-0.04
105	196	960.00	-8.42	22.36	0.33	0.17	0.09	-0.04
105	196	1010.00	-6.61	24.56	0.10	2.52	0.20	-0.04
105	196	1060.00	-0.89	16.70	-0.28	0.21	0.05	-0.02
105	199	910.00	3.71	-3.84	-0.27	-2.58	-0.08	0.03
105	199	960.00	3.71	-3.84	-0.27	2.05	-0.06	0.03
105	199	1010.00	-1.09	-4.28	-0.04	3.61	-0.14	0.04
105	199	1060.00	-0.49	0.11	0.14	0.24	-0.05	0.03
105	204	910.00	-3.80	38.15	0.23	-11.60	0.06	-0.02
105	204	960.00	-3.80	38.15	0.23	-6.97	0.07	-9.27e-03
105	204	1010.00	-7.42	41.90	0.08	-0.18	0.16	-6.16e-03
105	204	1060.00	-0.67	27.67	-0.21	0.15	0.04	6.21e-04
105	222	910.00	-3.53	15.67	0.44	-4.89	0.10	-0.06
105	222	960.00	-3.53	15.67	0.44	-0.26	0.11	-0.06
105	222	1010.00	-6.40	17.21	0.10	3.35	0.25	-0.07
105	222	1060.00	-0.90	13.94	-0.33	0.23	0.07	-0.04
105	228	910.00	-9.43	24.55	0.38	-4.62	0.09	-0.05
105	228	960.00	-9.43	24.55	0.38	7.79e-03	0.10	-0.05
105	228	1010.00	-7.07	26.98	0.11	2.42	0.23	-0.05
105	228	1060.00	-0.92	18.10	-0.31	0.21	0.06	-0.03
105	231	910.00	4.71	-6.03	-0.32	-2.41	-0.09	0.04
105	231	960.00	4.71	-6.03	-0.32	2.22	-0.08	0.04
105	231	1010.00	-0.63	-6.69	-0.05	3.71	-0.17	0.05
105	231	1060.00	-0.45	-1.28	0.18	0.24	-0.06	0.03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-9.43	-6.69	-0.33	-11.60	-0.17	-0.07
	4.71	41.90	0.44	6.72	0.25	0.05

Macro	Tipo	Angolo 1-Z (gradi)
106	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
106	4	700.00	-23.00	-20.42	0.05	42.38	-0.03	9.91e-03
106	4	752.50	-23.47	-20.56	-0.44	33.06	-0.14	8.02e-03
106	4	805.00	-24.52	-21.99	0.07	33.90	-1.84e-03	-0.01
106	4	857.50	-22.99	-21.95	0.05	27.79	0.03	-0.01
106	4	910.00	-21.36	-21.96	0.05	21.41	0.06	-0.01
106	4	960.00	-17.72	-20.17	0.08	21.97	0.09	-0.01
106	4	1010.00	-14.75	-20.01	0.25	23.05	0.15	-0.01
106	4	1060.00	-10.34	-21.07	-0.31	20.27	0.0	0.02
106	11	700.00	-26.90	-18.46	0.06	50.33	-0.03	7.80e-03
106	11	752.50	-26.98	-18.61	-0.40	40.86	-0.12	6.85e-03

106	11	805.00	-28.05	-20.59	0.07	42.42	6.88e-03	-0.01
106	11	857.50	-26.45	-20.56	0.05	36.83	0.04	-0.01
106	11	910.00	-24.73	-20.57	0.05	30.93	0.06	-0.01
106	11	960.00	-21.09	-18.82	0.09	31.66	0.10	-9.94e-03
106	11	1010.00	-18.19	-18.57	0.29	33.11	0.16	-0.01
106	11	1060.00	-13.83	-21.03	-0.35	30.28	0.0	0.02
106	19	700.00	-11.51	-7.76	0.06	22.69	-0.01	1.63e-03
106	19	752.50	-11.90	-7.90	-0.15	19.76	-0.04	1.98e-03
106	19	805.00	-11.59	-10.09	0.03	20.93	0.02	-6.45e-03
106	19	857.50	-10.14	-10.07	0.02	18.99	0.03	-5.92e-03
106	19	910.00	-8.67	-10.06	0.02	16.99	0.05	-5.09e-03
106	19	960.00	-7.28	-10.78	0.03	14.54	0.05	-4.73e-03
106	19	1010.00	-6.15	-11.03	0.13	12.90	0.08	-6.20e-03
106	19	1060.00	-4.13	-10.62	-0.17	8.97	0.0	0.01
106	35	700.00	-28.31	-18.76	0.02	53.36	-0.03	0.01
106	35	752.50	-28.00	-18.90	-0.43	42.53	-0.14	0.01
106	35	805.00	-29.03	-20.47	0.06	43.97	-0.02	-0.01
106	35	857.50	-27.28	-20.45	0.04	38.00	0.01	-0.01
106	35	910.00	-25.44	-20.47	0.06	31.74	0.03	-0.01
106	35	960.00	-21.61	-18.63	0.11	32.38	0.07	-0.01
106	35	1010.00	-18.54	-18.35	0.31	33.67	0.15	-0.01
106	35	1060.00	-14.11	-21.04	-0.32	30.87	0.0	0.02
106	68	700.00	-16.73	-14.45	0.04	31.13	-0.02	6.97e-03
106	68	752.50	-17.06	-14.56	-0.32	24.51	-0.10	5.85e-03
106	68	805.00	-17.68	-15.78	0.05	25.23	-2.39e-04	-9.26e-03
106	68	857.50	-16.44	-15.75	0.03	20.93	0.02	-8.64e-03
106	68	910.00	-15.13	-15.76	0.04	16.46	0.04	-7.85e-03
106	68	960.00	-12.55	-14.72	0.06	16.38	0.06	-7.40e-03
106	68	1010.00	-10.44	-14.66	0.18	16.76	0.11	-8.36e-03
106	68	1060.00	-7.26	-15.27	-0.22	14.32	0.0	0.01
106	71	700.00	-19.33	-13.14	0.05	36.42	-0.02	5.56e-03
106	71	752.50	-19.40	-13.26	-0.28	29.71	-0.08	5.07e-03
106	71	805.00	-20.03	-14.85	0.05	30.90	5.57e-03	-8.98e-03
106	71	857.50	-18.74	-14.83	0.03	26.96	0.03	-8.37e-03
106	71	910.00	-17.38	-14.83	0.04	22.81	0.05	-7.59e-03
106	71	960.00	-14.80	-13.83	0.07	22.85	0.07	-7.19e-03
106	71	1010.00	-12.73	-13.70	0.21	23.47	0.12	-7.97e-03
106	71	1060.00	-9.59	-15.24	-0.25	21.00	0.0	0.02
106	72	700.00	-12.47	-8.30	0.05	24.49	-0.01	2.55e-03
106	72	752.50	-12.74	-8.42	-0.17	20.94	-0.04	2.90e-03
106	72	805.00	-12.51	-10.47	0.03	22.10	0.01	-6.41e-03
106	72	857.50	-11.04	-10.45	0.02	19.91	0.03	-5.98e-03
106	72	910.00	-9.55	-10.44	0.02	17.65	0.04	-5.29e-03
106	72	960.00	-8.02	-11.00	0.04	15.37	0.05	-5.01e-03
106	72	1010.00	-6.77	-11.21	0.14	13.87	0.08	-6.41e-03
106	72	1060.00	-4.64	-11.01	-0.17	10.06	0.0	0.01
106	83	700.00	-20.28	-13.34	0.02	38.45	-0.02	7.57e-03
106	83	752.50	-20.08	-13.45	-0.30	30.82	-0.10	7.30e-03
106	83	805.00	-20.69	-14.77	0.04	31.94	-0.01	-7.86e-03
106	83	857.50	-19.30	-14.75	0.03	27.74	9.35e-03	-7.78e-03
106	83	910.00	-17.85	-14.76	0.04	23.35	0.03	-7.60e-03
106	83	960.00	-15.14	-13.70	0.08	23.33	0.05	-7.62e-03
106	83	1010.00	-12.96	-13.55	0.22	23.85	0.11	-8.63e-03
106	83	1060.00	-9.78	-15.24	-0.23	21.39	0.0	0.01
106	98	700.00	-14.00	-12.45	0.03	26.56	-0.02	6.74e-03
106	98	752.50	-14.27	-12.56	-0.28	20.84	-0.09	6.13e-03
106	98	805.00	-14.49	-13.79	0.04	21.49	-3.87e-03	-7.61e-03
106	98	857.50	-13.11	-13.77	0.03	17.83	0.02	-7.27e-03
106	98	910.00	-11.70	-13.77	0.03	14.05	0.03	-6.77e-03
106	98	960.00	-9.52	-13.41	0.05	12.85	0.05	-6.54e-03
106	98	1010.00	-7.70	-13.49	0.15	12.15	0.08	-7.80e-03
106	98	1060.00	-4.95	-13.34	-0.18	9.09	0.0	9.94e-03
106	101	700.00	-15.06	-12.04	0.03	28.69	-0.02	6.26e-03
106	101	752.50	-15.24	-12.15	-0.27	22.89	-0.08	5.87e-03
106	101	805.00	-15.47	-13.52	0.04	23.72	-1.80e-03	-7.55e-03
106	101	857.50	-14.08	-13.50	0.03	20.16	0.02	-7.21e-03
106	101	910.00	-12.65	-13.50	0.03	16.47	0.03	-6.71e-03
106	101	960.00	-10.45	-13.13	0.05	15.34	0.05	-6.49e-03
106	101	1010.00	-8.64	-13.17	0.16	14.77	0.09	-7.68e-03
106	101	1060.00	-5.88	-13.39	-0.19	11.72	0.0	0.01
106	102	700.00	-13.11	-8.44	0.04	25.87	-0.01	3.62e-03
106	102	752.50	-13.22	-8.56	-0.19	21.73	-0.05	4.15e-03
106	102	805.00	-12.99	-10.43	0.03	22.88	6.86e-03	-5.92e-03
106	102	857.50	-11.46	-10.42	0.02	20.53	0.02	-5.69e-03
106	102	910.00	-9.91	-10.41	0.02	18.11	0.03	-5.25e-03

106	102	960.00	-8.30	-10.92	0.04	15.79	0.05	-5.14e-03
106	102	1010.00	-6.96	-11.11	0.14	14.21	0.08	-6.54e-03
106	102	1060.00	-4.79	-11.03	-0.16	10.40	0.0	9.76e-03
106	106	700.00	-13.27	-8.48	0.04	26.21	-0.01	3.89e-03
106	106	752.50	-13.34	-8.59	-0.19	21.93	-0.05	4.46e-03
106	106	805.00	-13.11	-10.42	0.03	23.08	5.04e-03	-5.79e-03
106	106	857.50	-11.56	-10.41	0.02	20.69	0.02	-5.62e-03
106	106	910.00	-10.00	-10.40	0.02	18.23	0.03	-5.24e-03
106	106	960.00	-8.37	-10.90	0.04	15.89	0.04	-5.17e-03
106	106	1010.00	-7.01	-11.09	0.14	14.29	0.07	-6.57e-03
106	106	1060.00	-4.83	-11.04	-0.16	10.48	0.0	9.59e-03
106	107	700.00	-13.89	-11.89	0.03	26.51	-0.02	6.33e-03
106	107	752.50	-14.14	-11.99	-0.27	21.00	-0.08	5.89e-03
106	107	805.00	-14.30	-13.31	0.04	21.72	-2.60e-03	-7.35e-03
106	107	857.50	-12.89	-13.29	0.03	18.24	0.02	-7.04e-03
106	107	910.00	-11.45	-13.29	0.03	14.65	0.03	-6.55e-03
106	107	960.00	-9.36	-13.06	0.05	13.28	0.05	-6.34e-03
106	107	1010.00	-7.60	-13.15	0.14	12.45	0.08	-7.62e-03
106	107	1060.00	-4.93	-13.01	-0.18	9.29	0.0	9.89e-03
106	110	700.00	-33.19	-49.08	0.97	4.73	0.20	0.02
106	110	752.50	-33.43	-49.18	0.68	-0.78	0.14	0.01
106	110	805.00	-34.05	-61.33	1.09	-10.30	0.88	-0.02
106	110	857.50	-33.86	-64.42	0.38	-27.11	1.42	-0.02
106	110	910.00	-39.30	-63.26	0.02	-63.07	1.53	-0.03
106	110	960.00	-24.95	-41.98	-0.39	-38.73	1.42	-9.97e-03
106	110	1010.00	-15.93	-33.91	-0.72	-21.74	1.36	-0.02
106	110	1060.00	-5.91	-28.24	-2.18	-4.87	0.50	4.92e-03
106	112	700.00	8.67	34.52	0.68	43.53	0.20	0.02
106	112	752.50	8.42	34.42	0.38	38.02	0.14	0.03
106	112	805.00	7.76	35.44	-0.11	49.62	0.20	0.03
106	112	857.50	12.53	33.67	0.18	67.89	0.07	0.02
106	112	910.00	16.45	30.48	0.06	87.71	0.13	0.01
106	112	960.00	7.16	9.74	-0.09	61.88	0.14	-0.03
106	112	1010.00	1.32	3.12	-0.01	44.71	-0.14	-0.03
106	112	1060.00	-2.73	0.03	0.22	19.93	-0.10	-0.02
106	115	700.00	-36.45	-58.29	-0.62	9.50	-0.24	-4.01e-03
106	115	752.50	-36.70	-58.40	-0.91	3.98	-0.30	-0.02
106	115	805.00	-36.35	-62.06	0.19	-6.18	-0.21	-0.04
106	115	857.50	-38.32	-60.25	-0.13	-31.42	-0.04	-0.03
106	115	910.00	-39.36	-57.05	1.62e-03	-58.41	-0.07	-0.02
106	115	960.00	-25.87	-35.85	0.19	-35.32	-0.05	0.02
106	115	1010.00	-16.53	-29.41	0.30	-19.80	0.30	0.02
106	115	1060.00	-7.12	-26.05	-0.57	-1.35	0.10	0.04
106	139	700.00	-27.49	-35.56	-3.03	14.79	-0.86	-0.03
106	139	752.50	-27.73	-35.66	-3.32	9.27	-0.92	-0.04
106	139	805.00	-22.29	-31.20	-1.59	19.50	-2.08	-0.04
106	139	857.50	-25.52	-28.10	-0.94	-1.77	-2.65	-8.69e-03
106	139	910.00	-27.65	-20.62	-7.96e-03	-24.73	-2.91	0.02
106	139	960.00	-18.74	-8.68	1.12	-12.42	-2.64	0.05
106	139	1010.00	-12.80	-9.66	2.04	-4.73	-1.85	0.07
106	139	1060.00	-8.87	-13.59	2.76	11.04	-0.71	0.09
106	142	700.00	-35.62	-53.78	1.09	2.02	0.23	0.02
106	142	752.50	-35.87	-53.88	0.79	-3.50	0.16	0.01
106	142	805.00	-36.55	-67.39	1.22	-14.35	0.99	-0.02
106	142	857.50	-36.52	-70.87	0.42	-32.85	1.60	-0.03
106	142	910.00	-42.83	-69.56	0.01	-72.89	1.72	-0.04
106	142	960.00	-26.92	-45.62	-0.44	-45.30	1.59	-0.01
106	142	1010.00	-16.98	-36.51	-0.83	-26.05	1.52	-0.02
106	142	1060.00	-6.03	-30.14	-2.43	-6.66	0.56	4.34e-03
106	144	700.00	11.52	40.39	0.76	45.64	0.23	0.02
106	144	752.50	11.27	40.28	0.46	40.12	0.17	0.03
106	144	805.00	10.56	41.59	-0.13	53.15	0.23	0.03
106	144	857.50	15.75	39.59	0.20	74.17	0.08	0.02
106	144	910.00	19.99	36.00	0.06	96.94	0.14	0.01
106	144	960.00	9.25	12.61	-0.11	68.02	0.15	-0.03
106	144	1010.00	2.45	5.16	-0.03	48.78	-0.17	-0.04
106	144	1060.00	-2.46	1.66	0.26	21.29	-0.11	-0.02
106	147	700.00	-39.30	-64.16	-0.70	7.39	-0.27	-5.26e-03
106	147	752.50	-39.55	-64.26	-1.00	1.88	-0.33	-0.02
106	147	805.00	-39.15	-68.21	0.21	-9.71	-0.24	-0.05
106	147	857.50	-41.54	-66.17	-0.14	-37.70	-0.04	-0.04
106	147	910.00	-42.89	-62.58	-1.82e-03	-67.64	-0.08	-0.03
106	147	960.00	-27.96	-38.72	0.21	-41.46	-0.06	0.02
106	147	1010.00	-17.66	-31.46	0.32	-23.87	0.33	0.02
106	147	1060.00	-7.40	-27.69	-0.61	-2.71	0.11	0.04

106	171	700.00	-29.23	-38.58	-3.41	13.36	-0.97	-0.03
106	171	752.50	-29.48	-38.69	-3.71	7.85	-1.03	-0.04
106	171	805.00	-23.33	-33.48	-1.80	19.21	-2.35	-0.05
106	171	857.50	-27.14	-29.99	-1.06	-4.32	-2.99	-8.87e-03
106	171	910.00	-29.72	-21.57	-0.01	-29.73	-3.28	0.03
106	171	960.00	-19.94	-8.14	1.25	-15.67	-2.98	0.06
106	171	1010.00	-13.47	-9.23	2.28	-6.89	-2.09	0.08
106	171	1060.00	-9.37	-13.67	3.13	11.24	-0.80	0.10
106	174	700.00	-35.43	-53.38	1.04	2.67	0.21	0.02
106	174	752.50	-35.67	-53.49	0.74	-2.85	0.15	0.01
106	174	805.00	-36.47	-66.70	1.19	-14.02	0.95	-0.02
106	174	857.50	-36.41	-70.10	0.41	-32.39	1.54	-0.02
106	174	910.00	-42.61	-68.79	0.02	-72.06	1.65	-0.04
106	174	960.00	-26.79	-45.04	-0.42	-44.69	1.53	-9.72e-03
106	174	1010.00	-16.95	-36.00	-0.79	-25.61	1.47	-0.02
106	174	1060.00	-6.00	-29.76	-2.34	-6.55	0.54	4.81e-03
106	176	700.00	11.29	39.89	0.78	44.92	0.24	0.02
106	176	752.50	11.05	39.79	0.48	39.40	0.17	0.03
106	176	805.00	10.46	40.91	-0.12	52.87	0.25	0.03
106	176	857.50	15.60	38.91	0.20	73.69	0.11	0.02
106	176	910.00	19.79	35.35	0.06	96.20	0.17	0.01
106	176	960.00	9.12	12.17	-0.12	67.45	0.18	-0.03
106	176	1010.00	2.42	4.76	-0.05	48.36	-0.14	-0.04
106	176	1060.00	-2.51	1.34	0.22	21.27	-0.09	-0.02
106	179	700.00	-39.08	-63.66	-0.72	8.11	-0.28	-3.95e-03
106	179	752.50	-39.33	-63.77	-1.02	2.59	-0.34	-0.02
106	179	805.00	-39.06	-67.53	0.20	-9.43	-0.26	-0.05
106	179	857.50	-41.38	-65.49	-0.15	-37.21	-0.07	-0.04
106	179	910.00	-42.70	-61.92	-1.32e-03	-66.90	-0.11	-0.02
106	179	960.00	-27.84	-38.28	0.21	-40.89	-0.09	0.02
106	179	1010.00	-17.62	-31.05	0.34	-23.45	0.30	0.02
106	179	1060.00	-7.34	-27.36	-0.57	-2.68	0.09	0.04
106	203	700.00	-29.31	-38.62	-3.39	13.78	-0.97	-0.03
106	203	752.50	-29.55	-38.72	-3.69	8.26	-1.03	-0.04
106	203	805.00	-23.50	-33.48	-1.78	19.13	-2.33	-0.05
106	203	857.50	-27.25	-30.00	-1.05	-4.33	-2.97	-8.73e-03
106	203	910.00	-29.79	-21.68	-0.02	-29.64	-3.26	0.03
106	203	960.00	-20.00	-8.31	1.25	-15.54	-2.96	0.06
106	203	1010.00	-13.53	-9.34	2.27	-6.76	-2.08	0.08
106	203	1060.00	-9.32	-13.72	3.11	11.12	-0.80	0.10
106	206	700.00	-39.15	-60.51	1.18	-1.22	0.24	0.03
106	206	752.50	-39.40	-60.61	0.89	-6.74	0.18	0.01
106	206	805.00	-40.33	-75.75	1.37	-20.09	1.09	-0.02
106	206	857.50	-40.50	-79.71	0.47	-41.02	1.77	-0.03
106	206	910.00	-47.98	-78.16	0.01	-86.80	1.90	-0.04
106	206	960.00	-29.80	-50.40	-0.49	-54.54	1.75	-9.93e-03
106	206	1010.00	-18.57	-39.80	-0.93	-32.05	1.68	-0.02
106	206	1060.00	-6.19	-32.55	-2.68	-9.25	0.62	4.21e-03
106	208	700.00	15.66	48.77	0.92	47.83	0.29	0.02
106	208	752.50	15.41	48.66	0.62	42.31	0.22	0.04
106	208	805.00	14.77	50.12	-0.15	58.16	0.30	0.04
106	208	857.50	20.53	47.76	0.23	83.15	0.14	0.03
106	208	910.00	25.18	43.58	0.06	110.11	0.21	0.01
106	208	960.00	12.31	16.40	-0.15	76.66	0.22	-0.04
106	208	1010.00	4.16	7.74	-0.09	54.44	-0.16	-0.04
106	208	1060.00	-2.11	3.73	0.26	23.34	-0.11	-0.03
106	211	700.00	-43.44	-72.54	-0.86	5.20	-0.32	-5.00e-03
106	211	752.50	-43.69	-72.64	-1.16	-0.31	-0.39	-0.02
106	211	805.00	-43.37	-76.74	0.23	-14.72	-0.31	-0.05
106	211	857.50	-46.31	-74.34	-0.18	-46.67	-0.10	-0.04
106	211	910.00	-48.09	-70.16	-5.91e-03	-80.81	-0.15	-0.03
106	211	960.00	-31.03	-42.51	0.25	-50.10	-0.12	0.02
106	211	1010.00	-19.37	-34.03	0.38	-29.53	0.32	0.03
106	211	1060.00	-7.75	-29.76	-0.61	-4.75	0.11	0.05
106	235	700.00	-32.19	-43.56	-3.97	11.77	-1.13	-0.04
106	235	752.50	-32.44	-43.67	-4.26	6.25	-1.19	-0.05
106	235	805.00	-25.33	-37.26	-2.07	18.52	-2.72	-0.05
106	235	857.50	-29.95	-33.17	-1.22	-8.51	-3.47	-8.72e-03
106	235	910.00	-33.16	-23.43	-0.02	-37.62	-3.80	0.03
106	235	960.00	-21.97	-7.70	1.44	-20.69	-3.46	0.07
106	235	1010.00	-14.64	-8.84	2.62	-10.17	-2.44	0.09
106	235	1060.00	-10.07	-13.93	3.65	11.31	-0.93	0.11

M_S

N memb.
-48.09V memb.
-79.71V orto
-4.26M memb.
-86.80M orto
-3.80T
-0.05

25.18 50.12 3.65 110.11 1.90 0.11

Macro	Tipo	Angolo 1-Z (gradi)
107	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
107	18	700.00	-45.87	-4.17	0.12	87.83	5.00e-03	-3.46e-03
107	18	752.50	-46.37	-4.22	-0.07	86.98	0.02	-5.45e-03
107	18	805.00	-47.97	-5.95	0.07	96.46	0.06	-6.73e-03
107	18	857.50	-44.78	-5.94	0.01	93.56	0.07	-5.18e-03
107	18	910.00	-41.60	-5.87	8.68e-03	90.71	0.08	-4.75e-03
107	18	960.00	-36.62	-6.86	-6.75e-03	80.88	0.07	-2.31e-03
107	18	1010.00	-32.76	-6.93	0.04	75.75	0.07	1.28e-03
107	18	1060.00	-24.30	-6.47	-0.15	58.50	0.0	3.27e-03
107	19	700.00	-22.64	-2.49	0.09	44.74	-6.19e-03	-4.80e-04
107	19	752.50	-23.41	-2.53	-0.16	45.47	-0.03	-2.50e-03
107	19	805.00	-24.67	-3.34	0.06	53.40	0.04	-4.75e-03
107	19	857.50	-22.71	-3.33	0.02	53.15	0.06	-3.34e-03
107	19	910.00	-20.73	-3.29	0.01	52.85	0.07	-2.57e-03
107	19	960.00	-17.92	-6.69	0.02	43.67	0.07	-1.82e-03
107	19	1010.00	-15.56	-7.35	0.14	38.14	0.09	1.36e-03
107	19	1060.00	-11.17	-6.88	-0.20	27.15	0.0	4.66e-03
107	35	700.00	-59.12	-5.02	0.03	114.62	0.02	-2.22e-03
107	35	752.50	-58.99	-5.08	0.03	111.63	0.03	-2.26e-03
107	35	805.00	-61.40	-7.33	0.04	122.47	0.01	-4.03e-03
107	35	857.50	-57.73	-7.33	-9.41e-03	117.57	0.01	-4.32e-03
107	35	910.00	-54.14	-7.29	3.62e-03	112.88	7.42e-03	-5.71e-03
107	35	960.00	-47.63	-6.58	0.02	102.63	0.01	-5.01e-03
107	35	1010.00	-42.87	-6.10	0.07	97.76	0.02	-2.50e-03
107	35	1060.00	-32.08	-5.81	-0.05	77.07	0.0	-1.20e-03
107	41	700.00	-37.41	-4.41	-0.02	74.82	4.21e-03	1.46e-03
107	41	752.50	-37.45	-4.46	-0.06	72.60	-0.02	1.51e-03
107	41	805.00	-38.71	-5.82	0.03	81.13	-0.02	-1.64e-03
107	41	857.50	-35.46	-5.84	-9.32e-03	78.14	-0.02	-2.58e-03
107	41	910.00	-32.28	-5.81	8.43e-03	75.33	-0.02	-4.34e-03
107	41	960.00	-27.59	-8.82	0.05	63.24	-9.66e-03	-6.30e-03
107	41	1010.00	-23.80	-9.32	0.18	55.92	0.03	-4.87e-03
107	41	1060.00	-17.08	-8.83	-0.08	40.80	0.0	-1.95e-03
107	72	700.00	-24.65	-2.69	0.07	48.72	-4.15e-03	-4.78e-04
107	72	752.50	-25.28	-2.74	-0.14	48.96	-0.02	-2.16e-03
107	72	805.00	-26.53	-3.62	0.06	56.73	0.04	-4.37e-03
107	72	857.50	-24.46	-3.62	0.01	56.01	0.05	-3.24e-03
107	72	910.00	-22.37	-3.58	0.01	55.28	0.06	-2.75e-03
107	72	960.00	-19.34	-6.62	0.02	46.15	0.06	-2.19e-03
107	72	1010.00	-16.82	-7.19	0.13	40.67	0.08	6.84e-04
107	72	1060.00	-12.12	-6.74	-0.18	29.35	0.0	3.68e-03
107	75	700.00	-33.21	-3.15	0.08	63.92	2.58e-03	-2.19e-03
107	75	752.50	-33.61	-3.19	-0.07	63.33	6.72e-03	-3.68e-03
107	75	805.00	-34.79	-4.44	0.05	70.57	0.04	-4.90e-03
107	75	857.50	-32.39	-4.43	9.96e-03	68.55	0.05	-3.78e-03
107	75	910.00	-29.99	-4.38	7.35e-03	66.56	0.06	-3.49e-03
107	75	960.00	-26.31	-5.56	-6.40e-04	58.70	0.05	-1.95e-03
107	75	1010.00	-23.41	-5.71	0.04	54.43	0.06	7.24e-04
107	75	1060.00	-17.28	-5.34	-0.12	41.61	0.0	2.48e-03
107	83	700.00	-42.04	-3.71	0.03	81.78	9.48e-03	-1.37e-03
107	83	752.50	-42.02	-3.76	1.31e-05	79.76	0.02	-1.55e-03
107	83	805.00	-43.75	-5.35	0.03	87.91	0.01	-3.10e-03
107	83	857.50	-41.02	-5.36	-4.91e-03	84.55	0.01	-3.22e-03
107	83	910.00	-38.35	-5.32	3.97e-03	81.34	9.49e-03	-4.13e-03
107	83	960.00	-33.65	-5.37	0.02	73.20	0.01	-3.75e-03
107	83	1010.00	-30.16	-5.16	0.07	69.10	0.02	-1.80e-03
107	83	1060.00	-22.47	-4.90	-0.05	53.99	0.0	-5.04e-04
107	85	700.00	-27.57	-3.31	-0.01	55.25	2.05e-03	1.09e-03
107	85	752.50	-27.66	-3.35	-0.06	53.74	-0.02	9.59e-04
107	85	805.00	-28.62	-4.35	0.02	60.35	-8.70e-03	-1.50e-03
107	85	857.50	-26.18	-4.36	-4.86e-03	58.27	-8.71e-03	-2.05e-03
107	85	910.00	-23.78	-4.34	7.18e-03	56.31	-9.36e-03	-3.22e-03
107	85	960.00	-20.29	-6.87	0.04	46.94	-1.32e-03	-4.61e-03
107	85	1010.00	-17.44	-7.30	0.14	41.21	0.03	-3.38e-03
107	85	1060.00	-12.47	-6.91	-0.08	29.81	0.0	-1.01e-03
107	101	700.00	-30.49	-3.36	0.05	59.25	3.10e-03	-1.45e-03

107	101	752.50	-30.67	-3.40	-0.05	57.97	3.12e-03	-2.40e-03
107	101	805.00	-31.41	-4.54	0.04	63.98	0.03	-3.79e-03
107	101	857.50	-28.90	-4.54	4.38e-03	61.62	0.03	-3.23e-03
107	101	910.00	-26.41	-4.50	5.03e-03	59.34	0.03	-3.42e-03
107	101	960.00	-22.88	-6.01	4.43e-03	51.20	0.03	-2.76e-03
107	101	1010.00	-20.01	-6.27	0.04	46.40	0.04	-9.43e-04
107	101	1060.00	-14.53	-5.89	-0.08	34.73	0.0	5.67e-04
107	102	700.00	-25.83	-2.95	0.05	51.34	-2.17e-03	-1.74e-04
107	102	752.50	-26.25	-2.99	-0.11	50.92	-0.02	-1.36e-03
107	102	805.00	-27.42	-3.92	0.05	58.30	0.02	-3.65e-03
107	102	857.50	-25.21	-3.92	9.23e-03	57.07	0.04	-2.96e-03
107	102	910.00	-23.01	-3.89	0.01	55.87	0.04	-2.89e-03
107	102	960.00	-19.79	-6.72	0.02	46.63	0.04	-2.82e-03
107	102	1010.00	-17.12	-7.23	0.12	41.01	0.07	-4.66e-04
107	102	1060.00	-12.30	-6.81	-0.14	29.62	0.0	2.22e-03
107	103	700.00	-27.59	-3.27	0.05	53.54	1.74e-03	-1.41e-03
107	103	752.50	-27.83	-3.31	-0.06	52.44	3.29e-04	-2.54e-03
107	103	805.00	-28.29	-4.33	0.04	57.83	0.03	-3.86e-03
107	103	857.50	-25.82	-4.33	5.96e-03	55.71	0.04	-3.19e-03
107	103	910.00	-23.38	-4.29	5.23e-03	53.64	0.04	-3.27e-03
107	103	960.00	-20.15	-6.14	2.50e-03	45.57	0.04	-2.59e-03
107	103	1010.00	-17.45	-6.52	0.03	40.64	0.04	-8.51e-04
107	103	1060.00	-12.53	-6.10	-0.08	29.87	0.0	7.08e-04
107	104	700.00	-26.41	-3.07	0.03	52.65	-9.30e-04	1.39e-04
107	104	752.50	-26.73	-3.11	-0.09	51.87	-0.02	-7.37e-04
107	104	805.00	-27.84	-4.07	0.04	59.02	0.02	-3.07e-03
107	104	857.50	-25.56	-4.07	5.37e-03	57.52	0.02	-2.72e-03
107	104	910.00	-23.29	-4.04	9.26e-03	56.07	0.03	-2.98e-03
107	104	960.00	-19.98	-6.77	0.02	46.79	0.03	-3.31e-03
107	104	1010.00	-17.25	-7.25	0.12	41.12	0.06	-1.28e-03
107	104	1060.00	-12.37	-6.84	-0.12	29.71	0.0	1.28e-03
107	106	700.00	-26.12	-3.01	0.04	52.00	-1.68e-03	-9.82e-05
107	106	752.50	-26.49	-3.05	-0.10	51.40	-0.02	-1.16e-03
107	106	805.00	-27.64	-4.00	0.05	58.69	0.02	-3.47e-03
107	106	857.50	-25.40	-4.00	7.92e-03	57.33	0.03	-2.89e-03
107	106	910.00	-23.17	-3.97	9.78e-03	56.01	0.03	-2.92e-03
107	106	960.00	-19.90	-6.74	0.02	46.75	0.04	-2.98e-03
107	106	1010.00	-17.20	-7.24	0.12	41.10	0.06	-7.54e-04
107	106	1060.00	-12.34	-6.82	-0.13	29.69	0.0	1.85e-03
107	107	700.00	-27.89	-3.34	0.05	54.20	2.23e-03	-1.34e-03
107	107	752.50	-28.07	-3.37	-0.05	52.93	8.98e-04	-2.35e-03
107	107	805.00	-28.51	-4.41	0.04	58.23	0.02	-3.68e-03
107	107	857.50	-26.01	-4.40	4.66e-03	55.98	0.03	-3.12e-03
107	107	910.00	-23.54	-4.36	4.69e-03	53.79	0.03	-3.31e-03
107	107	960.00	-20.26	-6.16	3.27e-03	45.69	0.03	-2.75e-03
107	107	1010.00	-17.52	-6.53	0.03	40.73	0.04	-1.14e-03
107	107	1060.00	-12.57	-6.12	-0.08	29.94	0.0	3.43e-04
107	111	700.00	-39.85	-39.11	-0.52	0.23	-0.14	-0.04
107	111	752.50	-40.04	-39.14	-0.61	-1.03	-0.14	-0.04
107	111	805.00	-38.26	-52.31	-0.43	-12.99	-0.38	-0.05
107	111	857.50	-36.97	-51.39	-0.30	-44.80	-0.59	-0.03
107	111	910.00	-34.72	-48.83	-0.11	-74.77	-0.68	-8.18e-03
107	111	960.00	-28.12	-11.65	0.24	-27.65	-0.68	0.02
107	111	1010.00	-24.11	-3.64	0.18	0.27	-0.51	0.01
107	111	1060.00	-15.13	-0.78	0.95	20.25	-0.26	0.01
107	129	700.00	-42.25	-9.73	-2.33	89.05	-0.64	-0.09
107	129	752.50	-42.44	-9.77	-2.43	87.79	-0.64	-0.09
107	129	805.00	-36.83	-13.74	-1.43	106.30	-1.61	-0.08
107	129	857.50	-41.66	-13.61	-0.81	92.83	-2.23	-0.05
107	129	910.00	-44.83	-9.07	-0.10	87.63	-2.49	-2.35e-03
107	129	960.00	-33.69	-8.65	0.92	68.75	-2.29	0.03
107	129	1010.00	-27.45	-9.65	1.50	59.89	-1.69	0.05
107	129	1060.00	-20.50	-10.94	2.65	50.55	-0.68	0.05
107	132	700.00	-10.17	15.54	2.48	46.83	0.64	0.06
107	132	752.50	-10.36	15.50	2.38	45.56	0.64	0.06
107	132	805.00	-7.34	22.44	1.56	68.06	1.69	0.05
107	132	857.50	-3.04	21.90	0.83	74.16	2.33	0.02
107	132	910.00	0.61	18.98	0.14	80.73	2.57	-0.02
107	132	960.00	-4.50	-3.26	-0.89	56.10	2.39	-0.05
107	132	1010.00	-6.70	-4.87	-1.40	42.14	1.78	-0.06
107	132	1060.00	-3.82	-4.30	-2.86	17.29	0.69	-0.06
107	135	700.00	-45.60	-22.21	-2.39	61.56	-0.64	-0.07
107	135	752.50	-45.79	-22.24	-2.49	60.30	-0.64	-0.06
107	135	805.00	-49.68	-31.25	-1.48	48.39	-1.64	-0.05
107	135	857.50	-48.99	-30.71	-0.82	37.79	-2.26	-0.03

107	135	910.00	-47.68	-27.70	-0.13	26.85	-2.51	0.01
107	135	960.00	-36.03	-9.07	0.90	35.27	-2.32	0.05
107	135	1010.00	-28.34	-8.18	1.46	39.31	-1.71	0.06
107	135	1060.00	-21.33	-7.93	2.71	42.59	-0.69	0.06
107	143	700.00	-41.36	-43.62	-0.59	-6.59	-0.16	-0.05
107	143	752.50	-41.55	-43.65	-0.68	-7.85	-0.16	-0.05
107	143	805.00	-39.49	-58.35	-0.49	-22.00	-0.43	-0.05
107	143	857.50	-38.36	-57.31	-0.34	-57.55	-0.67	-0.03
107	143	910.00	-36.13	-54.44	-0.12	-91.03	-0.77	-8.79e-03
107	143	960.00	-29.11	-12.33	0.27	-36.91	-0.77	0.03
107	143	1010.00	-24.94	-3.27	0.19	-4.85	-0.58	0.01
107	143	1060.00	-15.46	-0.11	1.08	19.03	-0.29	0.01
107	161	700.00	-44.04	-10.50	-2.62	93.50	-0.72	-0.10
107	161	752.50	-44.23	-10.54	-2.72	92.24	-0.72	-0.10
107	161	805.00	-37.87	-14.87	-1.61	112.44	-1.82	-0.09
107	161	857.50	-43.62	-14.73	-0.91	97.56	-2.52	-0.05
107	161	910.00	-47.50	-9.62	-0.11	92.00	-2.80	-2.29e-03
107	161	960.00	-35.37	-8.95	1.04	71.72	-2.58	0.03
107	161	1010.00	-28.69	-10.06	1.68	62.34	-1.90	0.06
107	161	1060.00	-21.50	-11.57	2.99	53.15	-0.76	0.06
107	164	700.00	-7.94	17.93	2.79	45.92	0.72	0.07
107	164	752.50	-8.13	17.89	2.69	44.66	0.72	0.07
107	164	805.00	-4.67	25.83	1.75	69.34	1.90	0.05
107	164	857.50	-0.14	25.23	0.93	76.50	2.61	0.03
107	164	910.00	3.65	21.93	0.16	84.18	2.89	-0.02
107	164	960.00	-2.51	-2.90	-1.00	57.44	2.68	-0.06
107	164	1010.00	-5.34	-4.67	-1.58	42.33	2.00	-0.07
107	164	1060.00	-2.71	-4.08	-3.20	15.69	0.78	-0.07
107	167	700.00	-47.84	-24.60	-2.69	62.47	-0.72	-0.07
107	167	752.50	-48.02	-24.63	-2.79	61.21	-0.72	-0.07
107	167	805.00	-52.35	-34.65	-1.66	47.11	-1.85	-0.06
107	167	857.50	-51.88	-34.03	-0.92	35.45	-2.55	-0.03
107	167	910.00	-50.72	-30.65	-0.15	23.40	-2.82	0.02
107	167	960.00	-38.01	-9.43	1.01	33.93	-2.62	0.06
107	167	1010.00	-29.70	-8.39	1.64	39.12	-1.93	0.07
107	167	1060.00	-22.44	-8.15	3.05	44.18	-0.78	0.07
107	175	700.00	-41.26	-43.15	-0.58	-6.08	-0.15	-0.04
107	175	752.50	-41.44	-43.18	-0.68	-7.34	-0.16	-0.05
107	175	805.00	-39.44	-57.68	-0.48	-21.41	-0.43	-0.05
107	175	857.50	-38.30	-56.63	-0.34	-56.62	-0.66	-0.03
107	175	910.00	-36.06	-53.78	-0.12	-89.77	-0.76	-8.36e-03
107	175	960.00	-29.06	-12.10	0.26	-36.10	-0.75	0.03
107	175	1010.00	-24.91	-3.24	0.19	-4.38	-0.58	0.01
107	175	1060.00	-15.46	-0.08	1.08	19.16	-0.29	0.01
107	193	700.00	-43.76	-10.21	-2.58	93.58	-0.71	-0.10
107	193	752.50	-43.95	-10.25	-2.67	92.32	-0.71	-0.10
107	193	805.00	-37.69	-14.48	-1.58	112.50	-1.78	-0.08
107	193	857.50	-43.36	-14.33	-0.90	97.81	-2.47	-0.05
107	193	910.00	-47.18	-9.31	-0.11	92.39	-2.75	-3.12e-03
107	193	960.00	-35.15	-8.90	1.02	71.94	-2.53	0.03
107	193	1010.00	-28.53	-10.15	1.66	62.38	-1.86	0.06
107	193	1060.00	-21.39	-11.66	2.92	52.99	-0.75	0.06
107	196	700.00	-8.11	17.73	2.74	46.09	0.71	0.07
107	196	752.50	-8.30	17.69	2.64	44.83	0.71	0.06
107	196	805.00	-4.87	25.50	1.72	69.44	1.87	0.05
107	196	857.50	-0.37	24.89	0.91	76.51	2.57	0.02
107	196	910.00	3.42	21.62	0.16	84.09	2.84	-0.02
107	196	960.00	-2.65	-3.05	-0.99	57.39	2.64	-0.06
107	196	1010.00	-5.41	-4.72	-1.55	42.30	1.97	-0.07
107	196	1060.00	-2.77	-4.14	-3.16	15.77	0.77	-0.07
107	199	700.00	-47.66	-24.40	-2.65	62.30	-0.71	-0.07
107	199	752.50	-47.85	-24.43	-2.75	61.04	-0.71	-0.07
107	199	805.00	-52.14	-34.31	-1.64	47.01	-1.82	-0.06
107	199	857.50	-51.66	-33.70	-0.90	35.44	-2.51	-0.03
107	199	910.00	-50.49	-30.35	-0.15	23.48	-2.78	0.02
107	199	960.00	-37.87	-9.28	0.99	33.98	-2.57	0.06
107	199	1010.00	-29.63	-8.33	1.61	39.15	-1.90	0.07
107	199	1060.00	-22.38	-8.09	3.01	44.10	-0.77	0.07
107	207	700.00	-43.56	-49.89	-0.68	-16.39	-0.18	-0.05
107	207	752.50	-43.74	-49.93	-0.78	-17.65	-0.18	-0.05
107	207	805.00	-41.34	-66.68	-0.57	-35.05	-0.50	-0.06
107	207	857.50	-40.42	-65.46	-0.39	-75.86	-0.77	-0.03
107	207	910.00	-38.22	-62.12	-0.14	-114.28	-0.89	-8.97e-03
107	207	960.00	-30.58	-13.04	0.30	-50.03	-0.88	0.03
107	207	1010.00	-26.18	-2.64	0.21	-12.05	-0.68	0.01

107	207	1060.00	-15.96	0.98	1.27	17.35	-0.34	0.01
107	225	700.00	-46.34	-11.06	-3.00	100.90	-0.82	-0.11
107	225	752.50	-46.53	-11.10	-3.10	99.63	-0.82	-0.11
107	225	805.00	-39.18	-15.77	-1.85	122.48	-2.08	-0.10
107	225	857.50	-46.23	-15.61	-1.04	105.85	-2.87	-0.06
107	225	910.00	-51.11	-9.77	-0.13	100.08	-3.20	-3.58e-03
107	225	960.00	-37.62	-9.33	1.18	77.09	-2.94	0.04
107	225	1010.00	-30.34	-10.87	1.92	66.44	-2.17	0.06
107	225	1060.00	-22.87	-12.72	3.40	57.02	-0.87	0.07
107	228	700.00	-4.72	21.36	3.18	44.79	0.82	0.08
107	228	752.50	-4.91	21.32	3.08	43.52	0.82	0.07
107	228	805.00	-0.85	30.62	2.00	71.49	2.17	0.06
107	228	857.50	4.00	29.90	1.06	80.18	2.98	0.03
107	228	910.00	8.01	26.07	0.18	89.44	3.30	-0.03
107	228	960.00	0.36	-2.56	-1.15	59.47	3.06	-0.07
107	228	1010.00	-3.32	-4.45	-1.80	42.58	2.29	-0.08
107	228	1060.00	-1.07	-3.85	-3.66	13.34	0.90	-0.08
107	231	700.00	-51.05	-28.03	-3.08	63.61	-0.82	-0.08
107	231	752.50	-51.24	-28.07	-3.18	62.34	-0.82	-0.08
107	231	805.00	-56.17	-39.43	-1.91	44.96	-2.12	-0.07
107	231	857.50	-56.02	-38.71	-1.05	31.77	-2.92	-0.03
107	231	910.00	-55.08	-34.80	-0.18	18.13	-3.23	0.02
107	231	960.00	-40.88	-9.76	1.15	31.90	-3.00	0.06
107	231	1010.00	-31.72	-8.61	1.86	38.87	-2.21	0.08
107	231	1060.00	-24.07	-8.38	3.51	46.53	-0.90	0.08

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-61.40	-66.68	-3.66	-114.28	-3.23	-0.11
	8.01	30.62	3.51	122.48	3.30	0.08

Macro	Tipo	Angolo 1-Z (gradi)
108	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
108	12	910.00	-3.37	-0.56	0.02	-1.51	0.0	-5.71e-04
108	12	960.00	-3.37	-0.56	0.02	-1.79	9.59e-03	-2.05e-03
108	12	1010.00	-4.90	-0.86	0.01	-2.83	0.01	-3.35e-03
108	12	1060.00	-0.13	-1.35	-5.62e-03	0.07	6.28e-05	-2.81e-03
108	18	910.00	-3.41	-2.64	0.02	-0.49	0.0	-2.10e-03
108	18	960.00	-3.41	-2.64	0.02	-1.81	7.53e-03	-3.87e-03
108	18	1010.00	-4.96	-3.21	3.32e-03	-3.11	9.19e-03	-4.73e-03
108	18	1060.00	-0.21	-2.88	-4.50e-03	0.08	1.24e-04	-3.04e-03
108	28	910.00	-3.62	-3.91	-4.56e-03	0.03	0.0	-1.44e-03
108	28	960.00	-3.62	-3.91	-4.56e-03	-1.92	-2.28e-03	-1.66e-03
108	28	1010.00	-5.31	-4.57	-4.53e-03	-3.45	-4.54e-03	-1.14e-03
108	28	1060.00	-0.22	-3.86	-1.06e-04	0.09	9.19e-05	-2.12e-04
108	35	910.00	-4.44	-3.54	3.61e-04	-0.60	0.0	-1.06e-03
108	35	960.00	-4.44	-3.54	3.61e-04	-2.37	1.81e-04	-1.47e-03
108	35	1010.00	-6.55	-4.20	-5.04e-04	-4.10	-7.15e-05	-1.34e-03
108	35	1060.00	-0.20	-3.83	-1.45e-03	0.10	8.21e-05	-6.74e-04
108	69	910.00	-2.88	-0.34	0.02	-1.36	0.0	-4.60e-04
108	69	960.00	-2.88	-0.34	0.02	-1.52	8.19e-03	-1.71e-03
108	69	1010.00	-4.14	-0.61	8.83e-03	-2.38	0.01	-2.82e-03
108	69	1060.00	-0.13	-1.05	-4.96e-03	0.06	5.72e-05	-2.39e-03
108	75	910.00	-2.42	-1.52	0.01	-0.51	0.0	-1.34e-03
108	75	960.00	-2.42	-1.52	0.01	-1.27	5.94e-03	-2.61e-03
108	75	1010.00	-3.48	-1.90	3.56e-03	-2.14	7.72e-03	-3.32e-03
108	75	1060.00	-0.16	-1.78	-3.59e-03	0.06	8.52e-05	-2.23e-03
108	80	910.00	-2.56	-2.36	-1.20e-03	-0.17	0.0	-8.95e-04
108	80	960.00	-2.56	-2.36	-1.20e-03	-1.35	-5.99e-04	-1.14e-03
108	80	1010.00	-3.71	-2.81	-1.68e-03	-2.37	-1.44e-03	-9.21e-04
108	80	1060.00	-0.17	-2.43	-6.64e-04	0.07	6.37e-05	-3.48e-04
108	83	910.00	-3.10	-2.12	2.08e-03	-0.59	0.0	-6.43e-04
108	83	960.00	-3.10	-2.12	2.08e-03	-1.65	1.04e-03	-1.01e-03
108	83	1010.00	-4.54	-2.56	1.00e-03	-2.80	1.54e-03	-1.06e-03
108	83	1060.00	-0.15	-2.41	-1.56e-03	0.07	5.72e-05	-6.56e-04
108	98	910.00	-1.85	-1.11	5.64e-03	-0.40	0.0	-8.98e-04
108	98	960.00	-1.85	-1.11	5.64e-03	-0.95	2.82e-03	-1.59e-03
108	98	1010.00	-2.58	-1.43	1.47e-03	-1.58	3.56e-03	-1.89e-03
108	98	1060.00	-0.16	-1.32	-2.23e-03	0.05	6.73e-05	-1.21e-03
108	99	910.00	-1.92	0.40	0.01	-1.19	0.0	-7.80e-05

108	99	960.00	-1.92	0.40	0.01	-0.99	5.97e-03	-8.85e-04
108	99	1010.00	-2.64	0.22	7.43e-03	-1.44	9.68e-03	-1.70e-03
108	99	1060.00	-0.14	-0.24	-3.95e-03	0.04	4.04e-05	-1.61e-03
108	101	910.00	-2.07	-1.06	6.78e-03	-0.55	0.0	-8.21e-04
108	101	960.00	-2.07	-1.06	6.78e-03	-1.08	3.39e-03	-1.57e-03
108	101	1010.00	-2.92	-1.38	2.37e-03	-1.77	4.58e-03	-1.95e-03
108	101	1060.00	-0.16	-1.34	-2.55e-03	0.05	6.55e-05	-1.33e-03
108	103	910.00	-1.81	-0.85	7.61e-03	-0.51	0.0	-8.38e-04
108	103	960.00	-1.81	-0.85	7.61e-03	-0.94	3.80e-03	-1.64e-03
108	103	1010.00	-2.52	-1.14	2.70e-03	-1.52	5.15e-03	-2.08e-03
108	103	1060.00	-0.16	-1.12	-2.70e-03	0.05	6.55e-05	-1.43e-03
108	106	910.00	-1.67	0.59	0.01	-1.15	0.0	-3.04e-05
108	106	960.00	-1.67	0.59	0.01	-0.85	5.83e-03	-7.99e-04
108	106	1010.00	-2.25	0.44	7.37e-03	-1.20	9.51e-03	-1.60e-03
108	106	1060.00	-0.14	-0.02	-3.87e-03	0.04	3.80e-05	-1.55e-03
108	107	910.00	-1.82	-0.87	6.50e-03	-0.51	0.0	-7.74e-04
108	107	960.00	-1.82	-0.87	6.50e-03	-0.94	3.25e-03	-1.48e-03
108	107	1010.00	-2.53	-1.16	2.31e-03	-1.53	4.41e-03	-1.85e-03
108	107	1060.00	-0.16	-1.13	-2.47e-03	0.05	6.31e-05	-1.26e-03
108	110	910.00	-3.60	-29.61	0.05	8.23	9.00e-03	6.28e-04
108	110	960.00	-3.60	-29.61	0.05	7.79	0.01	3.29e-04
108	110	1010.00	-6.40	-31.65	-9.76e-03	2.18	0.01	0.02
108	110	1060.00	-0.75	-19.98	-0.08	0.13	-6.40e-03	0.02
108	132	910.00	2.13	16.63	0.29	-3.02	0.07	0.04
108	132	960.00	2.13	16.63	0.29	-3.45	0.07	0.04
108	132	1010.00	2.43	17.44	0.04	-3.45	0.16	0.05
108	132	1060.00	0.28	10.29	-0.20	0.01	0.05	0.03
108	133	910.00	-4.86	-2.93	-0.25	-2.71	-0.06	-0.03
108	133	960.00	-4.86	-2.93	-0.25	-3.14	-0.06	-0.04
108	133	1010.00	-5.42	-3.39	-0.02	-1.59	-0.13	-0.06
108	133	1060.00	-0.28	-2.44	0.21	0.03	-0.04	-0.04
108	135	910.00	-5.77	-18.36	-0.27	2.01	-0.07	-0.04
108	135	960.00	-5.77	-18.36	-0.27	1.57	-0.07	-0.04
108	135	1010.00	-7.50	-19.76	-0.04	0.39	-0.15	-0.05
108	135	1060.00	-0.59	-12.56	0.20	0.08	-0.05	-0.04
108	142	910.00	-3.83	-33.24	0.05	9.33	0.01	7.83e-04
108	142	960.00	-3.83	-33.24	0.05	8.90	0.01	5.36e-04
108	142	1010.00	-6.89	-35.50	-0.01	2.65	0.01	0.02
108	142	1060.00	-0.82	-22.36	-0.09	0.14	-7.23e-03	0.02
108	164	910.00	2.63	18.84	0.32	-3.34	0.08	0.04
108	164	960.00	2.63	18.84	0.32	-3.77	0.08	0.05
108	164	1010.00	3.06	19.79	0.05	-3.69	0.18	0.05
108	164	1060.00	0.33	11.74	-0.23	9.05e-03	0.05	0.04
108	165	910.00	-5.24	-3.19	-0.29	-2.98	-0.07	-0.04
108	165	960.00	-5.24	-3.19	-0.29	-3.42	-0.07	-0.04
108	165	1010.00	-5.78	-3.66	-0.03	-1.60	-0.15	-0.07
108	165	1060.00	-0.29	-2.61	0.24	0.03	-0.04	-0.05
108	167	910.00	-6.27	-20.57	-0.31	2.33	-0.08	-0.04
108	167	960.00	-6.27	-20.57	-0.31	1.89	-0.08	-0.05
108	167	1010.00	-8.12	-22.11	-0.04	0.64	-0.17	-0.06
108	167	1060.00	-0.65	-14.00	0.22	0.09	-0.05	-0.04
108	174	910.00	-3.81	-32.93	0.05	9.25	9.24e-03	6.24e-04
108	174	960.00	-3.81	-32.93	0.05	8.81	0.01	4.10e-04
108	174	1010.00	-6.85	-35.16	-0.01	2.61	0.01	0.02
108	174	1060.00	-0.82	-22.16	-0.08	0.14	-7.14e-03	0.02
108	196	910.00	2.58	18.65	0.32	-3.32	0.08	0.04
108	196	960.00	2.58	18.65	0.32	-3.75	0.08	0.04
108	196	1010.00	3.00	19.59	0.05	-3.68	0.17	0.05
108	196	1060.00	0.33	11.62	-0.23	9.28e-03	0.05	0.04
108	197	910.00	-5.20	-3.17	-0.28	-2.95	-0.07	-0.04
108	197	960.00	-5.20	-3.17	-0.28	-3.39	-0.07	-0.04
108	197	1010.00	-5.74	-3.64	-0.03	-1.59	-0.14	-0.06
108	197	1060.00	-0.29	-2.60	0.24	0.03	-0.04	-0.05
108	199	910.00	-6.22	-20.39	-0.30	2.31	-0.08	-0.04
108	199	960.00	-6.22	-20.39	-0.30	1.87	-0.07	-0.05
108	199	1010.00	-8.06	-21.91	-0.04	0.62	-0.17	-0.06
108	199	1060.00	-0.65	-13.88	0.22	0.09	-0.05	-0.04
108	206	910.00	-4.14	-38.39	0.05	10.91	0.01	7.29e-04
108	206	960.00	-4.14	-38.39	0.05	10.48	0.01	6.17e-04
108	206	1010.00	-7.59	-40.95	-0.01	3.32	0.01	0.03
108	206	1060.00	-0.93	-25.74	-0.10	0.16	-8.41e-03	0.02
108	228	910.00	3.33	21.98	0.37	-3.81	0.09	0.05
108	228	960.00	3.33	21.98	0.37	-4.24	0.09	0.05
108	228	1010.00	3.94	23.12	0.05	-4.05	0.20	0.06
108	228	1060.00	0.41	13.79	-0.26	2.72e-03	0.06	0.05

108	229	910.00	-5.77	-3.55	-0.33	-3.37	-0.08	-0.04
108	229	960.00	-5.77	-3.55	-0.33	-3.80	-0.08	-0.05
108	229	1010.00	-6.28	-4.05	-0.03	-1.60	-0.17	-0.07
108	229	1060.00	-0.31	-2.84	0.28	0.03	-0.05	-0.05
108	231	910.00	-6.97	-23.71	-0.36	2.79	-0.09	-0.05
108	231	960.00	-6.97	-23.71	-0.36	2.36	-0.09	-0.06
108	231	1010.00	-9.00	-25.44	-0.05	1.00	-0.19	-0.07
108	231	1060.00	-0.73	-16.06	0.26	0.09	-0.06	-0.05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-9.00	-40.95	-0.36	-4.24	-0.19	-0.07
	3.94	23.12	0.37	10.91	0.20	0.06

Macro	Tipo	Angolo 1-Z (gradi)
109	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
109	4	340.00	0.50	11.88	0.46	0.51	0.02	-0.27
109	4	392.50	0.50	11.88	0.41	7.97	0.34	-0.35
109	4	445.00	0.75	10.40	-0.57	9.08	0.0	-0.24
109	8	340.00	0.34	9.53	0.45	0.42	0.02	-0.27
109	8	392.50	0.34	9.53	0.40	6.43	0.34	-0.35
109	8	445.00	0.56	8.33	-0.57	7.36	0.0	-0.24
109	19	340.00	0.61	6.59	0.73	0.25	0.03	-0.45
109	19	392.50	0.61	6.59	0.65	4.23	0.56	-0.60
109	19	445.00	0.61	5.72	-0.93	4.68	0.0	-0.40
109	41	340.00	0.80	8.84	-0.34	0.32	-0.01	0.23
109	41	392.50	0.80	8.84	-0.30	5.66	-0.27	0.31
109	41	445.00	0.88	7.83	0.45	6.25	0.0	0.20
109	68	340.00	0.43	8.71	0.31	0.37	0.01	-0.18
109	68	392.50	0.43	8.71	0.27	5.81	0.23	-0.23
109	68	445.00	0.59	7.62	-0.38	6.59	0.0	-0.16
109	72	340.00	0.60	6.75	0.49	0.25	0.02	-0.30
109	72	392.50	0.60	6.75	0.44	4.34	0.37	-0.40
109	72	445.00	0.62	5.88	-0.62	4.80	0.0	-0.27
109	85	340.00	0.63	6.69	-0.23	0.24	-9.78e-03	0.16
109	85	392.50	0.63	6.69	-0.20	4.26	-0.18	0.20
109	85	445.00	0.67	5.91	0.30	4.70	0.0	0.14
109	98	340.00	0.50	7.97	0.02	0.32	9.46e-04	4.24e-03
109	98	392.50	0.50	7.97	0.02	5.24	6.17e-03	5.38e-03
109	98	445.00	0.62	7.00	-0.01	5.87	0.0	2.93e-03
109	102	340.00	0.62	6.75	0.11	0.25	4.95e-03	-0.06
109	102	392.50	0.62	6.75	0.10	4.31	0.08	-0.08
109	102	445.00	0.65	5.91	-0.13	4.75	0.0	-0.05
109	104	340.00	0.62	6.74	-0.03	0.24	-1.37e-03	0.03
109	104	392.50	0.62	6.74	-0.03	4.30	-0.03	0.04
109	104	445.00	0.66	5.92	0.05	4.73	0.0	0.03
109	106	340.00	0.62	6.75	0.01	0.25	7.36e-04	3.32e-03
109	106	392.50	0.62	6.75	0.01	4.31	4.82e-03	4.21e-03
109	106	445.00	0.66	5.92	-8.66e-03	4.74	0.0	2.30e-03
109	107	340.00	0.51	7.80	0.02	0.31	9.16e-04	4.11e-03
109	107	392.50	0.51	7.80	0.02	5.10	5.98e-03	5.21e-03
109	107	445.00	0.63	6.84	-0.01	5.71	0.0	2.84e-03
109	108	340.00	-0.72	43.22	0.13	0.57	0.02	0.05
109	108	392.50	-6.03	44.07	0.03	44.02	0.06	0.05
109	108	445.00	-3.40	40.26	-0.23	38.20	0.06	0.04
109	113	340.00	-0.88	42.88	0.06	0.47	0.01	0.07
109	113	392.50	-6.19	43.71	-0.07	43.84	0.02	0.07
109	113	445.00	-3.43	40.19	-0.14	38.12	0.03	0.06
109	114	340.00	1.90	-27.28	-0.03	0.15	-8.17e-03	-0.06
109	114	392.50	7.21	-28.11	0.10	-33.64	-3.79e-03	-0.06
109	114	445.00	4.69	-26.51	0.11	-26.70	-0.03	-0.06
109	133	340.00	-0.52	31.61	-0.04	0.38	-2.90e-03	0.07
109	133	392.50	-4.24	32.17	-0.13	31.88	-0.04	0.08
109	133	445.00	-2.20	29.81	0.04	28.17	-0.02	0.06
109	140	340.00	-0.88	47.65	0.14	0.61	0.02	0.05
109	140	392.50	-6.84	48.60	0.03	48.88	0.07	0.05
109	140	445.00	-3.91	44.43	-0.26	42.25	0.07	0.05
109	145	340.00	-1.05	47.26	0.07	0.48	0.01	0.08
109	145	392.50	-7.02	48.20	-0.08	48.68	0.02	0.08
109	145	445.00	-3.94	44.36	-0.15	42.17	0.04	0.07

109	146	340.00	2.08	-31.66	-0.03	0.13	-9.31e-03	-0.07
109	146	392.50	8.05	-32.60	0.11	-38.47	-5.02e-03	-0.07
109	146	445.00	5.19	-30.67	0.13	-30.75	-0.04	-0.06
109	165	340.00	-0.64	34.56	-0.05	0.38	-3.35e-03	0.08
109	165	392.50	-4.83	35.19	-0.15	35.20	-0.04	0.08
109	165	445.00	-2.55	32.65	0.05	30.96	-0.02	0.06
109	172	340.00	-0.81	45.79	0.14	0.59	0.02	0.05
109	172	392.50	-6.52	46.70	0.03	46.76	0.06	0.05
109	172	445.00	-3.70	42.67	-0.25	40.49	0.06	0.04
109	177	340.00	-0.98	45.40	0.07	0.47	0.01	0.08
109	177	392.50	-6.70	46.29	-0.08	46.56	0.01	0.08
109	177	445.00	-3.73	42.60	-0.14	40.41	0.03	0.06
109	178	340.00	2.00	-29.80	-0.03	0.14	-8.70e-03	-0.07
109	178	392.50	7.72	-30.69	0.11	-36.35	-2.82e-03	-0.07
109	178	445.00	4.99	-28.91	0.12	-28.98	-0.03	-0.06
109	197	340.00	-0.60	33.41	-0.05	0.38	-3.06e-03	0.08
109	197	392.50	-4.63	34.01	-0.14	33.91	-0.04	0.08
109	197	445.00	-2.42	31.59	0.04	29.89	-0.02	0.06
109	204	340.00	-1.01	51.38	0.16	0.63	0.02	0.06
109	204	392.50	-7.56	52.42	0.03	52.83	0.07	0.06
109	204	445.00	-4.34	47.94	-0.28	45.57	0.07	0.05
109	209	340.00	-1.20	50.92	0.07	0.49	0.01	0.09
109	209	392.50	-7.77	51.94	-0.10	52.60	0.01	0.09
109	209	445.00	-4.37	47.85	-0.16	45.47	0.04	0.07
109	210	340.00	2.22	-35.32	-0.04	0.12	-0.01	-0.08
109	210	392.50	8.80	-36.34	0.13	-42.40	-2.93e-03	-0.08
109	210	445.00	5.63	-34.16	0.14	-34.05	-0.04	-0.07
109	229	340.00	-0.77	37.24	-0.05	0.38	-3.64e-03	0.09
109	229	392.50	-5.41	37.93	-0.17	38.22	-0.05	0.09
109	229	445.00	-2.88	35.30	0.05	33.51	-0.02	0.07

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.77	-36.34	-0.93	-42.40	-0.27	-0.60
	8.80	52.42	0.73	52.83	0.56	0.31

Macro	Tipo	Angolo 1-Z (gradi)
110	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
110	15	910.00	-4.27	4.19	0.07	-6.87	0.0	5.16e-03
110	15	960.00	-4.27	4.19	0.07	-4.78	0.04	-6.94e-04
110	15	1010.00	-7.19	5.22	0.26	-7.03	0.17	3.78e-03
110	15	1060.00	0.73	4.72	-0.04	1.04	6.45e-04	-6.91e-03
110	16	910.00	-6.56	3.26	0.09	-8.43	0.0	6.91e-03
110	16	960.00	-6.56	3.26	0.09	-6.80	0.05	-5.98e-04
110	16	1010.00	-10.88	3.79	0.35	-10.70	0.22	5.54e-03
110	16	1060.00	0.74	3.74	-0.06	1.09	8.38e-04	-8.77e-03
110	33	910.00	-8.98	1.67	0.10	-9.63	0.0	9.56e-03
110	33	960.00	-8.98	1.67	0.10	-8.79	0.05	2.03e-03
110	33	1010.00	-14.70	1.47	0.42	-14.49	0.26	0.01
110	33	1060.00	0.63	1.96	-0.07	1.06	9.31e-04	-8.12e-03
110	35	910.00	-8.93	1.11	0.10	-9.09	0.0	0.01
110	35	960.00	-8.93	1.11	0.10	-8.54	0.05	2.70e-03
110	35	1010.00	-14.65	0.78	0.43	-14.37	0.26	0.01
110	35	1060.00	0.54	1.35	-0.07	1.00	9.39e-04	-7.89e-03
110	72	910.00	-3.10	3.29	0.05	-5.15	0.0	3.82e-03
110	72	960.00	-3.10	3.29	0.05	-3.51	0.03	-4.62e-04
110	72	1010.00	-5.23	4.11	0.19	-5.12	0.12	2.86e-03
110	72	1060.00	0.56	3.70	-0.03	0.79	4.74e-04	-5.05e-03
110	73	910.00	-4.63	2.67	0.07	-6.20	0.0	4.99e-03
110	73	960.00	-4.63	2.67	0.07	-4.86	0.03	-3.99e-04
110	73	1010.00	-7.69	3.16	0.25	-7.56	0.16	4.04e-03
110	73	1060.00	0.56	3.04	-0.04	0.83	6.03e-04	-6.29e-03
110	81	910.00	-6.24	1.61	0.07	-6.99	0.0	6.76e-03
110	81	960.00	-6.24	1.61	0.07	-6.19	0.04	1.36e-03
110	81	1010.00	-10.24	1.61	0.30	-10.08	0.19	7.32e-03
110	81	1060.00	0.49	1.86	-0.05	0.81	6.65e-04	-5.85e-03
110	83	910.00	-6.21	1.23	0.07	-6.64	0.0	7.15e-03
110	83	960.00	-6.21	1.23	0.07	-6.02	0.04	1.80e-03
110	83	1010.00	-10.21	1.15	0.30	-10.00	0.19	7.74e-03
110	83	1060.00	0.43	1.45	-0.05	0.77	6.71e-04	-5.70e-03

110	99	910.00	-3.78	2.76	0.05	-5.44	0.0	4.51e-03
110	99	960.00	-3.78	2.76	0.05	-4.06	0.03	2.76e-04
110	99	1010.00	-6.29	3.35	0.21	-6.17	0.13	4.20e-03
110	99	1060.00	0.51	3.10	-0.03	0.78	4.95e-04	-4.80e-03
110	101	910.00	-3.75	2.44	0.05	-5.13	0.0	4.84e-03
110	101	960.00	-3.75	2.44	0.05	-3.91	0.03	6.61e-04
110	101	1010.00	-6.26	2.96	0.21	-6.10	0.13	4.56e-03
110	101	1060.00	0.46	2.75	-0.03	0.74	5.00e-04	-4.67e-03
110	102	910.00	-3.15	3.06	0.05	-5.05	0.0	4.00e-03
110	102	960.00	-3.15	3.06	0.05	-3.52	0.02	1.08e-04
110	102	1010.00	-5.29	3.81	0.19	-5.17	0.12	3.56e-03
110	102	1060.00	0.52	3.43	-0.03	0.77	4.50e-04	-4.46e-03
110	106	910.00	-3.17	3.01	0.05	-5.02	0.0	4.04e-03
110	106	960.00	-3.17	3.01	0.05	-3.52	0.02	2.51e-04
110	106	1010.00	-5.31	3.74	0.19	-5.19	0.12	3.73e-03
110	106	1060.00	0.51	3.37	-0.03	0.76	4.44e-04	-4.31e-03
110	107	910.00	-3.14	2.68	0.05	-4.71	0.0	4.38e-03
110	107	960.00	-3.14	2.68	0.05	-3.37	0.02	6.35e-04
110	107	1010.00	-5.28	3.34	0.19	-5.12	0.12	4.09e-03
110	107	1060.00	0.45	3.02	-0.03	0.73	4.49e-04	-4.18e-03
110	108	910.00	4.37	35.25	0.17	-16.41	0.02	0.02
110	108	960.00	4.37	35.25	0.17	-15.07	0.05	0.02
110	108	1010.00	3.99	46.45	0.48	-9.55	0.23	0.02
110	108	1060.00	0.79	38.87	-0.14	-0.15	0.03	-6.66e-03
110	115	910.00	-11.61	-29.15	-0.06	5.93	-0.02	-0.01
110	115	960.00	-11.61	-29.15	-0.06	7.27	6.51e-03	-0.02
110	115	1010.00	-14.60	-38.76	-0.08	-0.99	0.02	-0.01
110	115	1060.00	0.13	-31.99	0.07	1.59	-0.02	-6.03e-04
110	124	910.00	2.37	23.81	0.37	-11.01	0.08	0.05
110	124	960.00	2.36	23.81	0.37	-9.67	0.10	0.05
110	124	1010.00	2.67	31.37	0.42	-6.05	0.33	0.07
110	124	1060.00	0.68	26.33	-0.34	0.17	0.07	0.04
110	132	910.00	5.56	21.37	0.34	-7.48	0.07	0.04
110	132	960.00	5.56	21.37	0.34	-6.14	0.09	0.04
110	132	1010.00	2.86	28.02	0.35	-5.06	0.28	0.06
110	132	1060.00	0.64	23.53	-0.31	0.21	0.05	0.04
110	140	910.00	5.32	39.36	0.18	-17.89	0.02	0.03
110	140	960.00	5.32	39.36	0.18	-16.55	0.05	0.02
110	140	1010.00	5.16	51.90	0.51	-10.11	0.25	0.03
110	140	1060.00	0.83	43.39	-0.16	-0.26	0.03	-6.99e-03
110	147	910.00	-12.68	-33.17	-0.08	7.28	-0.02	-0.01
110	147	960.00	-12.68	-33.17	-0.08	8.62	4.25e-03	-0.02
110	147	1010.00	-15.78	-44.09	-0.11	-0.47	7.16e-03	-0.01
110	147	1060.00	0.08	-36.42	0.08	1.70	-0.03	-1.23e-04
110	156	910.00	3.06	26.47	0.41	-11.80	0.09	0.06
110	156	960.00	3.06	26.47	0.41	-10.46	0.11	0.06
110	156	1010.00	3.67	34.89	0.45	-6.16	0.35	0.08
110	156	1060.00	0.70	29.26	-0.38	0.09	0.07	0.05
110	164	910.00	6.66	23.73	0.37	-7.84	0.08	0.05
110	164	960.00	6.66	23.73	0.37	-6.50	0.10	0.05
110	164	1010.00	3.88	31.14	0.37	-5.05	0.30	0.07
110	164	1060.00	0.67	26.12	-0.34	0.15	0.06	0.04
110	172	910.00	5.25	38.99	0.18	-17.77	0.02	0.02
110	172	960.00	5.25	38.99	0.18	-16.43	0.05	0.02
110	172	1010.00	5.06	51.41	0.51	-10.06	0.25	0.03
110	172	1060.00	0.83	42.99	-0.15	-0.25	0.03	-7.02e-03
110	179	910.00	-12.60	-32.84	-0.07	7.17	-0.02	-0.01
110	179	960.00	-12.60	-32.84	-0.07	8.51	4.68e-03	-0.02
110	179	1010.00	-15.68	-43.64	-0.11	-0.50	9.00e-03	-0.01
110	179	1060.00	0.09	-36.05	0.08	1.69	-0.02	3.09e-05
110	194	910.00	-0.92	8.70	0.39	-5.15	0.09	0.05
110	194	960.00	-0.92	8.70	0.39	-3.81	0.11	0.05
110	194	1010.00	-1.01	11.38	0.30	-3.36	0.31	0.08
110	194	1060.00	0.52	9.71	-0.36	0.58	0.07	0.06
110	196	910.00	6.56	23.56	0.37	-7.83	0.07	0.04
110	196	960.00	6.56	23.56	0.37	-6.49	0.10	0.04
110	196	1010.00	3.79	30.91	0.36	-5.07	0.30	0.06
110	196	1060.00	0.67	25.93	-0.34	0.15	0.06	0.04
110	204	910.00	6.68	45.17	0.20	-19.99	0.03	0.03
110	204	960.00	6.68	45.17	0.20	-18.65	0.05	0.02
110	204	1010.00	6.83	59.59	0.56	-10.90	0.27	0.03
110	204	1060.00	0.89	49.78	-0.17	-0.42	0.03	-7.63e-03
110	211	910.00	-14.21	-38.91	-0.09	9.21	-0.02	-0.01
110	211	960.00	-14.21	-38.91	-0.09	10.55	1.51e-03	-0.02
110	211	1010.00	-17.46	-51.67	-0.16	0.29	-9.29e-03	-0.02

110	211	1060.00	0.03	-42.72	0.10	1.85	-0.03	9.55e-04
110	226	910.00	-0.60	9.44	0.45	-5.12	0.10	0.06
110	226	960.00	-0.60	9.44	0.45	-3.78	0.12	0.06
110	226	1010.00	-0.35	12.37	0.31	-3.01	0.34	0.09
110	226	1060.00	0.53	10.54	-0.41	0.56	0.08	0.07
110	228	910.00	8.20	27.14	0.42	-8.39	0.09	0.05
110	228	960.00	8.20	27.14	0.42	-7.05	0.11	0.05
110	228	1010.00	5.32	35.64	0.40	-5.09	0.33	0.07
110	228	1060.00	0.70	29.86	-0.38	0.05	0.07	0.05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-17.46	-51.67	-0.41	-19.99	-0.03	-0.02
	8.20	59.59	0.56	10.55	0.35	0.09

Macro	Tipo	Angolo 1-Z (gradi)
111	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
111	9	700.00	-19.43	1.49	0.06	-14.63	-7.52e-03	-2.52e-03
111	9	752.50	-18.83	1.51	-0.13	-13.11	-0.03	-3.29e-03
111	9	805.00	-19.79	1.18	0.07	-14.58	0.03	5.31e-03
111	9	857.50	-18.91	1.15	0.05	-14.56	0.06	5.71e-03
111	9	910.00	-17.98	1.14	0.06	-14.49	0.09	5.66e-03
111	9	960.00	-17.06	1.15	0.08	-14.42	0.12	4.70e-03
111	9	1010.00	-16.46	1.22	0.17	-14.70	0.17	2.44e-03
111	9	1060.00	-15.41	3.41	-0.35	-13.41	0.0	-0.02
111	11	700.00	-19.39	2.21	0.04	-12.73	-0.02	-3.84e-03
111	11	752.50	-18.97	2.18	-0.24	-11.07	-0.07	-4.06e-03
111	11	805.00	-20.28	0.42	0.09	-13.22	0.02	8.02e-03
111	11	857.50	-19.37	0.39	0.07	-13.55	0.06	7.83e-03
111	11	910.00	-18.39	0.38	0.08	-13.82	0.10	7.26e-03
111	11	960.00	-17.42	0.38	0.10	-14.06	0.14	5.50e-03
111	11	1010.00	-16.74	0.44	0.15	-14.63	0.19	1.67e-03
111	11	1060.00	-15.66	2.98	-0.39	-13.52	0.0	-0.02
111	19	700.00	-8.27	1.46	0.02	-6.41	-6.80e-03	-9.99e-04
111	19	752.50	-8.35	1.51	-0.07	-5.73	-0.02	-7.22e-04
111	19	805.00	-8.66	2.01	0.03	-6.00	0.01	3.64e-03
111	19	857.50	-8.13	2.00	0.03	-5.58	0.03	3.65e-03
111	19	910.00	-7.58	2.00	0.03	-5.15	0.04	3.18e-03
111	19	960.00	-7.03	1.99	0.04	-4.73	0.06	2.19e-03
111	19	1010.00	-6.64	2.00	0.08	-4.48	0.08	1.17e-03
111	19	1060.00	-5.81	2.01	-0.17	-3.75	0.0	-0.01
111	35	700.00	-20.80	2.32	0.04	-13.45	-0.02	-6.00e-03
111	35	752.50	-20.04	2.25	-0.27	-11.32	-0.08	-6.85e-03
111	35	805.00	-21.38	0.04	0.09	-13.61	0.02	6.80e-03
111	35	857.50	-20.30	8.23e-03	0.06	-13.94	0.05	6.89e-03
111	35	910.00	-19.15	5.43e-04	0.08	-14.19	0.09	6.98e-03
111	35	960.00	-18.01	2.98e-03	0.10	-14.42	0.13	5.98e-03
111	35	1010.00	-17.16	0.07	0.14	-14.96	0.18	2.33e-03
111	35	1060.00	-16.03	2.86	-0.37	-13.85	0.0	-0.02
111	69	700.00	-14.01	1.20	0.04	-10.59	-5.65e-03	-1.89e-03
111	69	752.50	-13.59	1.21	-0.10	-9.44	-0.02	-2.58e-03
111	69	805.00	-14.25	1.06	0.05	-10.43	0.02	3.80e-03
111	69	857.50	-13.58	1.04	0.03	-10.34	0.04	4.09e-03
111	69	910.00	-12.87	1.04	0.04	-10.21	0.06	4.07e-03
111	69	960.00	-12.18	1.04	0.06	-10.09	0.09	3.37e-03
111	69	1010.00	-11.71	1.09	0.12	-10.21	0.12	1.78e-03
111	69	1060.00	-10.89	2.52	-0.25	-9.26	0.0	-0.02
111	71	700.00	-13.98	1.67	0.03	-9.32	-0.01	-2.77e-03
111	71	752.50	-13.69	1.65	-0.17	-8.08	-0.05	-3.10e-03
111	71	805.00	-14.58	0.56	0.06	-9.53	0.01	5.60e-03
111	71	857.50	-13.89	0.54	0.05	-9.67	0.04	5.51e-03
111	71	910.00	-13.15	0.53	0.06	-9.77	0.07	5.13e-03
111	71	960.00	-12.41	0.53	0.07	-9.85	0.10	3.90e-03
111	71	1010.00	-11.89	0.57	0.11	-10.17	0.14	1.26e-03
111	71	1060.00	-11.05	2.23	-0.28	-9.33	0.0	-0.02
111	72	700.00	-9.05	1.51	0.03	-6.79	-7.66e-03	-1.40e-03
111	72	752.50	-9.03	1.54	-0.09	-5.96	-0.02	-1.61e-03
111	72	805.00	-9.39	1.80	0.03	-6.36	0.01	3.59e-03
111	72	857.50	-8.81	1.79	0.03	-5.99	0.03	3.63e-03
111	72	910.00	-8.21	1.78	0.03	-5.60	0.04	3.27e-03

111	72	960.00	-7.61	1.78	0.04	-5.23	0.06	2.37e-03
111	72	1010.00	-7.16	1.79	0.07	-5.01	0.09	1.15e-03
111	72	1060.00	-6.32	1.99	-0.18	-4.27	0.0	-0.01
111	83	700.00	-14.92	1.75	0.03	-9.80	-0.02	-4.21e-03
111	83	752.50	-14.40	1.70	-0.19	-8.26	-0.06	-4.96e-03
111	83	805.00	-15.31	0.31	0.07	-9.79	0.01	4.79e-03
111	83	857.50	-14.51	0.28	0.04	-9.93	0.04	4.89e-03
111	83	910.00	-13.66	0.28	0.05	-10.02	0.06	4.94e-03
111	83	960.00	-12.81	0.28	0.07	-10.09	0.09	4.22e-03
111	83	1010.00	-12.17	0.33	0.10	-10.39	0.13	1.71e-03
111	83	1060.00	-11.30	2.15	-0.27	-9.55	0.0	-0.01
111	98	700.00	-9.81	2.05	0.02	-5.91	-0.02	-2.92e-03
111	98	752.50	-9.73	2.03	-0.18	-4.73	-0.06	-3.76e-03
111	98	805.00	-10.35	1.08	0.05	-5.68	6.05e-03	4.85e-03
111	98	857.50	-9.66	1.06	0.04	-5.55	0.03	4.60e-03
111	98	910.00	-8.94	1.06	0.05	-5.39	0.05	4.15e-03
111	98	960.00	-8.21	1.05	0.05	-5.22	0.08	2.99e-03
111	98	1010.00	-7.61	1.06	0.05	-5.18	0.10	6.06e-04
111	98	1060.00	-6.71	1.64	-0.20	-4.55	0.0	-0.01
111	101	700.00	-10.74	1.92	0.03	-6.82	-0.02	-2.84e-03
111	101	752.50	-10.58	1.89	-0.17	-5.61	-0.05	-3.75e-03
111	101	805.00	-11.23	1.02	0.05	-6.61	9.36e-03	4.68e-03
111	101	857.50	-10.53	1.00	0.04	-6.50	0.03	4.52e-03
111	101	910.00	-9.79	1.00	0.05	-6.36	0.05	4.17e-03
111	101	960.00	-9.06	1.00	0.06	-6.21	0.08	3.10e-03
111	101	1010.00	-8.47	1.01	0.06	-6.21	0.10	8.08e-04
111	101	1060.00	-7.58	1.79	-0.21	-5.52	0.0	-0.01
111	102	700.00	-9.68	1.57	0.03	-7.10	-7.99e-03	-1.91e-03
111	102	752.50	-9.51	1.58	-0.10	-6.07	-0.03	-2.92e-03
111	102	805.00	-9.90	1.63	0.04	-6.54	0.01	3.15e-03
111	102	857.50	-9.25	1.61	0.03	-6.18	0.03	3.27e-03
111	102	910.00	-8.57	1.61	0.03	-5.79	0.05	3.12e-03
111	102	960.00	-7.90	1.61	0.04	-5.41	0.06	2.44e-03
111	102	1010.00	-7.37	1.62	0.07	-5.18	0.09	1.13e-03
111	102	1060.00	-6.50	1.94	-0.17	-4.44	0.0	-9.73e-03
111	106	700.00	-9.84	1.58	0.04	-7.18	-8.07e-03	-2.04e-03
111	106	752.50	-9.63	1.58	-0.10	-6.09	-0.03	-3.25e-03
111	106	805.00	-10.02	1.59	0.04	-6.59	0.01	3.04e-03
111	106	857.50	-9.36	1.57	0.03	-6.22	0.03	3.18e-03
111	106	910.00	-8.66	1.57	0.03	-5.83	0.05	3.09e-03
111	106	960.00	-7.97	1.57	0.04	-5.46	0.06	2.45e-03
111	106	1010.00	-7.42	1.58	0.06	-5.22	0.09	1.13e-03
111	106	1060.00	-6.55	1.93	-0.17	-4.48	0.0	-9.59e-03
111	107	700.00	-9.81	1.99	0.03	-6.09	-0.02	-2.79e-03
111	107	752.50	-9.71	1.96	-0.17	-4.93	-0.05	-3.69e-03
111	107	805.00	-10.31	1.15	0.05	-5.81	7.33e-03	4.59e-03
111	107	857.50	-9.62	1.14	0.04	-5.65	0.03	4.39e-03
111	107	910.00	-8.90	1.13	0.04	-5.45	0.05	4.00e-03
111	107	960.00	-8.18	1.13	0.05	-5.25	0.07	2.91e-03
111	107	1010.00	-7.58	1.14	0.05	-5.18	0.10	6.81e-04
111	107	1060.00	-6.69	1.68	-0.20	-4.54	0.0	-0.01
111	114	700.00	0.67	4.79	0.04	-39.90	0.08	-8.10e-04
111	114	752.50	0.78	4.76	-0.16	-38.74	0.04	-3.68e-03
111	114	805.00	0.10	14.21	-0.30	-35.25	-0.03	6.40e-03
111	114	857.50	0.08	15.77	-0.07	-28.55	-0.20	4.19e-03
111	114	910.00	0.90	16.43	3.96e-03	-21.29	-0.19	-6.14e-03
111	114	960.00	0.44	17.07	0.13	-14.83	-0.15	-0.02
111	114	1010.00	-0.58	17.61	0.33	-9.03	0.02	-0.03
111	114	1060.00	-0.60	11.37	-0.05	-3.33	-0.01	-0.04
111	121	700.00	-18.00	-0.08	6.79e-03	23.39	-0.06	-0.01
111	121	752.50	-17.89	-0.10	-0.19	24.55	-0.10	-6.31e-03
111	121	805.00	-22.22	-9.93	0.41	17.10	0.04	1.11e-03
111	121	857.50	-19.96	-11.45	0.15	12.28	0.27	1.44e-03
111	121	910.00	-17.60	-12.02	0.07	7.70	0.31	1.21e-03
111	121	960.00	-15.89	-12.57	-0.03	2.49	0.31	0.02
111	121	1010.00	-13.92	-13.00	-0.23	-2.24	0.25	0.03
111	121	1060.00	-12.22	-6.53	-0.37	-5.87	0.01	0.02
111	122	700.00	-1.63	4.05	0.05	-35.57	0.03	5.26e-03
111	122	752.50	-1.53	4.03	-0.15	-34.40	-7.38e-03	-1.07e-03
111	122	805.00	1.61	12.24	-0.31	-28.72	-0.03	8.07e-03
111	122	857.50	0.73	13.72	-0.07	-23.58	-0.21	7.35e-03
111	122	910.00	-0.20	14.28	0.02	-18.60	-0.20	6.79e-03
111	122	960.00	-0.46	14.82	0.13	-13.00	-0.16	-0.02
111	122	1010.00	-1.24	15.27	0.33	-8.12	-0.06	-0.02
111	122	1060.00	-1.16	9.89	-0.02	-3.21	-0.01	-0.04

111	127	700.00	-11.85	5.00	-1.14	-12.60	-0.31	0.04
111	127	752.50	-11.74	4.98	-1.34	-11.43	-0.34	0.05
111	127	805.00	-12.21	1.09	-0.51	-11.56	-0.75	0.05
111	127	857.50	-10.50	0.73	-0.29	-10.01	-0.98	0.02
111	127	910.00	-8.70	0.75	0.04	-7.93	-1.05	-0.01
111	127	960.00	-8.12	0.76	0.37	-6.21	-0.95	-0.05
111	127	1010.00	-8.12	0.74	0.75	-4.78	-0.66	-0.07
111	127	1060.00	-8.50	1.22	1.01	-6.35	-0.29	-0.09
111	146	700.00	2.00	5.14	0.04	-44.19	0.09	-5.64e-04
111	146	752.50	2.10	5.12	-0.16	-43.02	0.05	-3.68e-03
111	146	805.00	1.41	15.86	-0.35	-38.98	-0.04	6.63e-03
111	146	857.50	1.30	17.63	-0.08	-31.45	-0.22	4.17e-03
111	146	910.00	2.14	18.36	-9.21e-04	-23.30	-0.22	-7.41e-03
111	146	960.00	1.53	19.09	0.14	-16.04	-0.18	-0.02
111	146	1010.00	0.31	19.69	0.37	-9.52	8.81e-03	-0.03
111	146	1060.00	0.17	12.60	-0.03	-3.18	-0.01	-0.04
111	153	700.00	-19.05	-0.33	1.48e-03	27.21	-0.07	-0.01
111	153	752.50	-18.95	-0.35	-0.19	28.38	-0.10	-6.55e-03
111	153	805.00	-23.74	-11.37	0.46	20.09	0.05	7.77e-04
111	153	857.50	-21.29	-13.08	0.16	14.62	0.29	1.03e-03
111	153	910.00	-18.72	-13.73	0.07	9.41	0.34	8.51e-04
111	153	960.00	-16.89	-14.35	-0.04	3.50	0.34	0.03
111	153	1010.00	-14.75	-14.84	-0.26	-1.86	0.27	0.03
111	153	1060.00	-12.94	-7.60	-0.39	-6.05	0.01	0.02
111	154	700.00	-0.58	4.31	0.05	-39.40	0.04	6.21e-03
111	154	752.50	-0.47	4.28	-0.14	-38.23	-1.02e-03	-8.24e-04
111	154	805.00	3.12	13.68	-0.36	-31.71	-0.03	8.40e-03
111	154	857.50	2.05	15.35	-0.09	-25.92	-0.23	7.76e-03
111	154	910.00	0.92	15.99	0.02	-20.32	-0.23	7.15e-03
111	154	960.00	0.54	16.60	0.14	-14.01	-0.19	-0.02
111	154	1010.00	-0.41	17.11	0.36	-8.50	-0.07	-0.03
111	154	1060.00	-0.44	10.96	-2.76e-03	-3.03	-0.01	-0.04
111	159	700.00	-12.10	5.38	-1.29	-13.38	-0.34	0.05
111	159	752.50	-11.99	5.36	-1.49	-12.21	-0.38	0.05
111	159	805.00	-12.44	1.08	-0.59	-12.26	-0.84	0.06
111	159	857.50	-10.61	0.68	-0.33	-10.55	-1.11	0.02
111	159	910.00	-8.68	0.69	0.04	-8.23	-1.19	-0.02
111	159	960.00	-8.12	0.70	0.41	-6.32	-1.08	-0.05
111	159	1010.00	-8.19	0.68	0.84	-4.73	-0.75	-0.08
111	159	1060.00	-8.73	1.16	1.16	-6.58	-0.33	-0.10
111	178	700.00	1.96	5.07	0.05	-44.00	0.09	-1.04e-03
111	178	752.50	2.06	5.05	-0.15	-42.84	0.05	-4.21e-03
111	178	805.00	1.35	15.80	-0.33	-38.84	-0.03	6.11e-03
111	178	857.50	1.25	17.56	-0.08	-31.35	-0.21	4.20e-03
111	178	910.00	2.05	18.30	3.25e-04	-23.26	-0.20	-6.88e-03
111	178	960.00	1.52	19.03	0.14	-15.99	-0.16	-0.02
111	178	1010.00	0.31	19.63	0.35	-9.49	0.02	-0.03
111	178	1060.00	0.18	12.56	-0.05	-3.16	-7.39e-03	-0.04
111	185	700.00	-19.16	-0.28	-0.03	27.84	-0.07	-0.01
111	185	752.50	-19.06	-0.31	-0.22	29.00	-0.11	-5.63e-03
111	185	805.00	-23.70	-11.63	0.43	20.78	0.03	1.90e-03
111	185	857.50	-21.35	-13.36	0.15	15.12	0.26	7.23e-04
111	185	910.00	-18.85	-14.01	0.07	9.73	0.30	8.96e-04
111	185	960.00	-17.08	-14.65	-0.03	3.66	0.31	0.02
111	185	1010.00	-14.92	-15.15	-0.24	-1.82	0.24	0.03
111	185	1060.00	-13.11	-7.77	-0.34	-6.11	5.07e-03	0.02
111	186	700.00	-0.47	4.26	0.08	-40.02	0.04	5.50e-03
111	186	752.50	-0.37	4.23	-0.12	-38.86	4.49e-03	-1.75e-03
111	186	805.00	3.09	13.94	-0.33	-32.40	-0.02	7.28e-03
111	186	857.50	2.11	15.63	-0.08	-26.41	-0.20	8.07e-03
111	186	910.00	1.06	16.28	0.02	-20.63	-0.20	7.10e-03
111	186	960.00	0.73	16.90	0.13	-14.17	-0.16	-0.02
111	186	1010.00	-0.24	17.42	0.34	-8.55	-0.05	-0.03
111	186	1060.00	-0.27	11.13	-0.05	-2.97	-5.07e-03	-0.04
111	191	700.00	-12.04	5.31	-1.27	-13.06	-0.34	0.04
111	191	752.50	-11.93	5.29	-1.47	-11.90	-0.38	0.05
111	191	805.00	-12.40	1.05	-0.57	-12.00	-0.83	0.05
111	191	857.50	-10.61	0.64	-0.33	-10.39	-1.09	0.02
111	191	910.00	-8.71	0.65	0.04	-8.15	-1.17	-0.02
111	191	960.00	-8.15	0.66	0.40	-6.29	-1.06	-0.05
111	191	1010.00	-8.22	0.64	0.82	-4.76	-0.74	-0.08
111	191	1060.00	-8.72	1.15	1.14	-6.55	-0.32	-0.10
111	210	700.00	3.99	5.57	0.06	-50.54	0.11	-9.70e-04
111	210	752.50	4.09	5.55	-0.14	-49.37	0.07	-4.58e-03
111	210	805.00	3.35	18.33	-0.38	-44.56	-0.03	6.10e-03

111	210	857.50	3.12	20.40	-0.09	-35.80	-0.24	4.20e-03
111	210	910.00	3.92	21.27	-6.77e-03	-26.36	-0.24	-8.47e-03
111	210	960.00	3.21	22.13	0.15	-17.84	-0.19	-0.02
111	210	1010.00	1.70	22.84	0.40	-10.22	0.01	-0.03
111	210	1060.00	1.38	14.44	-0.04	-2.91	-6.17e-03	-0.05
111	217	700.00	-20.97	-0.70	-0.05	34.61	-0.09	-0.01
111	217	752.50	-20.87	-0.72	-0.24	35.78	-0.12	-5.74e-03
111	217	805.00	-26.23	-14.21	0.49	26.18	0.03	1.76e-03
111	217	857.50	-23.62	-16.24	0.17	19.32	0.29	-2.24e-04
111	217	910.00	-20.81	-17.03	0.07	12.78	0.33	3.43e-04
111	217	960.00	-18.85	-17.79	-0.04	5.46	0.34	0.03
111	217	1010.00	-16.39	-18.39	-0.29	-1.14	0.26	0.03
111	217	1060.00	-14.39	-9.66	-0.36	-6.43	2.71e-03	0.02
111	218	700.00	1.34	4.67	0.10	-46.79	0.05	6.92e-03
111	218	752.50	1.45	4.65	-0.10	-45.63	0.02	-1.64e-03
111	218	805.00	5.62	16.51	-0.39	-37.80	-0.02	7.42e-03
111	218	857.50	4.38	18.52	-0.09	-30.62	-0.23	9.01e-03
111	218	910.00	3.02	19.29	0.01	-23.69	-0.23	7.65e-03
111	218	960.00	2.50	20.05	0.15	-15.97	-0.19	-0.02
111	218	1010.00	1.23	20.66	0.39	-9.23	-0.06	-0.03
111	218	1060.00	1.01	13.02	-0.03	-2.65	-2.71e-03	-0.04
111	223	700.00	-12.39	5.84	-1.49	-14.04	-0.39	0.05
111	223	752.50	-12.29	5.81	-1.68	-12.88	-0.43	0.06
111	223	805.00	-12.75	1.00	-0.67	-12.89	-0.97	0.06
111	223	857.50	-10.78	0.52	-0.38	-11.09	-1.27	0.03
111	223	910.00	-8.70	0.53	0.04	-8.57	-1.37	-0.02
111	223	960.00	-8.17	0.54	0.46	-6.45	-1.25	-0.06
111	223	1010.00	-8.37	0.52	0.95	-4.71	-0.88	-0.09
111	223	1060.00	-9.09	1.05	1.36	-6.90	-0.38	-0.11

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-26.23	-18.39	-1.68	-50.54	-1.37	-0.11
	5.62	22.84	1.36	35.78	0.34	0.06

Macro	Tipo	Angolo 1-Z (gradi)
112	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
112	11	700.00	-163.86	40.75	0.36	130.06	1.73e-03	-0.05
112	11	752.50	-164.28	40.47	0.39	110.40	0.20	-0.06
112	11	805.00	-161.72	34.47	0.25	98.52	0.34	-0.05
112	11	857.50	-156.91	34.44	0.29	78.67	0.48	-0.03
112	11	910.00	-152.17	34.45	0.29	59.09	0.64	-9.18e-03
112	11	960.00	-144.43	34.75	-0.80	52.82	0.24	0.06
112	11	1010.00	-136.30	35.13	-0.58	46.24	-0.02	0.06
112	11	1060.00	-126.25	38.91	0.06	37.44	0.0	0.07
112	28	700.00	-132.57	54.98	0.43	158.78	6.15e-03	-0.05
112	28	752.50	-133.00	54.64	0.51	131.76	0.25	-0.06
112	28	805.00	-130.75	47.38	0.28	114.22	0.40	-0.06
112	28	857.50	-126.08	47.35	0.31	88.16	0.55	-0.04
112	28	910.00	-121.48	47.36	0.32	62.36	0.72	-0.01
112	28	960.00	-113.89	46.80	-0.85	50.63	0.30	0.07
112	28	1010.00	-106.02	46.15	-0.60	39.27	0.02	0.06
112	28	1060.00	-96.55	48.32	-0.03	26.58	0.0	0.07
112	31	700.00	-73.44	44.51	0.36	121.72	7.05e-03	-0.04
112	31	752.50	-73.55	44.24	0.43	98.85	0.22	-0.04
112	31	805.00	-71.53	38.44	0.23	83.26	0.33	-0.04
112	31	857.50	-67.93	38.42	0.25	62.12	0.45	-0.03
112	31	910.00	-64.37	38.43	0.26	41.16	0.59	-8.36e-03
112	31	960.00	-58.73	37.86	-0.65	30.29	0.26	0.05
112	31	1010.00	-52.84	37.18	-0.43	20.46	0.05	0.05
112	31	1060.00	-46.15	38.04	-0.11	10.70	0.0	0.05
112	35	700.00	-161.81	51.09	0.37	154.38	2.48e-03	-0.05
112	35	752.50	-162.56	50.79	0.44	130.65	0.21	-0.06
112	35	805.00	-160.63	44.08	0.26	116.05	0.35	-0.05
112	35	857.50	-155.99	44.05	0.30	91.81	0.50	-0.04
112	35	910.00	-151.42	44.06	0.30	67.87	0.66	-0.01
112	35	960.00	-143.64	43.51	-0.82	58.72	0.25	0.06
112	35	1010.00	-135.69	42.90	-0.61	48.93	-0.02	0.06
112	35	1060.00	-125.70	45.81	0.06	36.65	0.0	0.07
112	71	700.00	-117.37	29.33	0.26	92.62	5.27e-04	-0.04

112	71	752.50	-117.66	29.13	0.28	78.45	0.14	-0.04
112	71	805.00	-115.57	24.86	0.19	69.73	0.25	-0.04
112	71	857.50	-111.86	24.84	0.21	55.29	0.35	-0.02
112	71	910.00	-108.20	24.85	0.22	41.03	0.47	-6.71e-03
112	71	960.00	-102.34	25.05	-0.58	36.60	0.18	0.05
112	71	1010.00	-96.20	25.30	-0.42	31.94	-0.01	0.04
112	71	1060.00	-88.73	27.99	0.03	25.88	0.0	0.05
112	79	700.00	-76.94	37.67	0.30	104.62	3.96e-03	-0.04
112	79	752.50	-77.09	37.44	0.35	85.50	0.18	-0.04
112	79	805.00	-74.92	32.53	0.21	72.47	0.28	-0.04
112	79	857.50	-71.28	32.51	0.23	54.28	0.40	-0.03
112	79	910.00	-67.68	32.52	0.24	36.24	0.52	-7.45e-03
112	79	960.00	-62.07	32.15	-0.59	27.73	0.23	0.05
112	79	1010.00	-56.24	31.70	-0.39	19.89	0.04	0.04
112	79	1060.00	-49.63	32.85	-0.08	11.99	0.0	0.04
112	80	700.00	-96.51	38.82	0.30	111.76	3.47e-03	-0.04
112	80	752.50	-96.82	38.58	0.36	92.68	0.18	-0.04
112	80	805.00	-94.93	33.47	0.21	80.19	0.28	-0.04
112	80	857.50	-91.31	33.45	0.23	61.61	0.40	-0.03
112	80	910.00	-87.75	33.45	0.24	43.22	0.52	-7.68e-03
112	80	960.00	-81.98	33.08	-0.61	35.14	0.22	0.05
112	80	1010.00	-76.01	32.65	-0.42	27.29	0.02	0.04
112	80	1060.00	-68.94	34.27	-0.03	18.64	0.0	0.05
112	83	700.00	-116.00	36.23	0.26	108.82	1.03e-03	-0.04
112	83	752.50	-116.52	36.01	0.31	91.94	0.15	-0.04
112	83	805.00	-114.85	31.27	0.19	81.41	0.26	-0.04
112	83	857.50	-111.25	31.25	0.22	64.05	0.37	-0.03
112	83	910.00	-107.70	31.26	0.22	46.89	0.48	-7.36e-03
112	83	960.00	-101.81	30.89	-0.60	40.53	0.18	0.05
112	83	1010.00	-95.79	30.49	-0.43	33.74	-0.01	0.04
112	83	1060.00	-88.37	32.59	0.03	25.36	0.0	0.05
112	98	700.00	-77.55	30.49	0.26	86.46	1.65e-03	-0.04
112	98	752.50	-77.63	30.29	0.29	70.85	0.15	-0.04
112	98	805.00	-75.19	26.14	0.19	60.19	0.25	-0.04
112	98	857.50	-71.48	26.13	0.21	45.08	0.36	-0.02
112	98	910.00	-67.81	26.13	0.22	30.09	0.47	-6.58e-03
112	98	960.00	-62.25	26.13	-0.54	23.80	0.20	0.04
112	98	1010.00	-56.45	26.13	-0.35	18.03	0.03	0.04
112	98	1060.00	-49.93	27.66	-0.07	12.24	0.0	0.04
112	101	700.00	-85.35	29.71	0.25	85.96	8.00e-04	-0.04
112	101	752.50	-85.52	29.51	0.27	71.09	0.14	-0.04
112	101	805.00	-83.17	25.47	0.19	61.11	0.24	-0.03
112	101	857.50	-79.46	25.45	0.21	46.38	0.34	-0.02
112	101	910.00	-75.80	25.46	0.21	31.78	0.46	-6.48e-03
112	101	960.00	-70.19	25.47	-0.53	26.09	0.19	0.04
112	101	1010.00	-64.36	25.47	-0.35	20.67	0.02	0.04
112	101	1060.00	-57.69	27.19	-0.04	14.93	0.0	0.04
112	105	700.00	-77.30	30.40	0.25	85.80	1.11e-03	-0.04
112	105	752.50	-77.44	30.21	0.28	70.45	0.14	-0.04
112	105	805.00	-75.04	26.18	0.19	59.95	0.24	-0.03
112	105	857.50	-71.35	26.17	0.21	44.88	0.35	-0.02
112	105	910.00	-67.69	26.17	0.22	29.94	0.46	-6.50e-03
112	105	960.00	-62.14	26.05	-0.53	23.77	0.20	0.04
112	105	1010.00	-56.39	25.91	-0.34	18.01	0.03	0.04
112	105	1060.00	-49.91	27.33	-0.06	12.20	0.0	0.04
112	107	700.00	-77.52	29.25	0.25	83.10	9.94e-04	-0.04
112	107	752.50	-77.63	29.06	0.27	68.21	0.14	-0.04
112	107	805.00	-75.16	25.10	0.19	58.02	0.24	-0.03
112	107	857.50	-71.45	25.08	0.21	43.44	0.34	-0.02
112	107	910.00	-67.77	25.09	0.21	28.99	0.46	-6.39e-03
112	107	960.00	-62.23	25.09	-0.52	23.13	0.19	0.04
112	107	1010.00	-56.45	25.09	-0.34	17.71	0.03	0.04
112	107	1060.00	-49.97	26.63	-0.06	12.26	0.0	0.04
112	120	700.00	-58.18	53.42	4.45	-12.53	1.17	-0.16
112	120	752.50	-58.29	53.22	4.47	-27.43	1.31	-0.17
112	120	805.00	-59.37	46.43	2.85	-21.95	3.26	-0.16
112	120	857.50	-57.39	45.75	1.63	-6.24	4.50	-0.12
112	120	910.00	-70.92	45.00	0.42	-21.46	5.05	-0.02
112	120	960.00	-61.83	44.32	-3.05	-8.88	4.21	0.12
112	120	1010.00	-52.38	43.73	-3.35	-7.20	2.65	0.11
112	120	1060.00	-47.27	43.41	-3.70	-0.34	0.92	0.12
112	122	700.00	-101.50	-20.95	-3.57	119.85	-1.02	0.07
112	122	752.50	-101.60	-21.15	-3.55	104.96	-0.88	0.07
112	122	805.00	-94.83	-19.37	-1.99	88.56	-2.28	0.08
112	122	857.50	-89.20	-18.07	-1.03	55.22	-2.99	0.05

112	122	910.00	-67.91	-16.78	0.12	52.09	-3.23	-2.06e-03
112	122	960.00	-65.28	-15.35	1.56	30.36	-3.02	-0.03
112	122	1010.00	-62.33	-14.01	2.25	27.42	-2.02	-0.03
112	122	1060.00	-55.07	-8.92	2.84	24.00	-0.71	-0.04
112	129	700.00	-66.82	98.60	1.37	215.22	0.41	-0.10
112	129	752.50	-66.93	98.41	1.39	200.33	0.55	-0.11
112	129	805.00	-66.90	85.92	0.53	170.28	0.99	-0.10
112	129	857.50	-63.08	83.86	0.51	133.56	1.26	-0.08
112	129	910.00	-64.56	81.85	0.34	90.96	1.52	-0.03
112	129	960.00	-56.37	79.31	-1.49	74.49	1.08	0.07
112	129	1010.00	-50.77	76.84	-1.08	45.58	0.50	0.06
112	129	1060.00	-45.59	74.63	-0.59	18.57	0.14	0.06
112	137	700.00	-63.30	83.80	0.83	161.40	0.08	-0.03
112	137	752.50	-63.40	83.60	0.85	146.51	0.21	-0.04
112	137	805.00	-63.39	73.53	0.11	123.83	0.22	-0.04
112	137	857.50	-60.52	72.13	0.30	97.40	0.10	-0.02
112	137	910.00	-62.73	70.95	0.08	63.55	0.18	4.39e-03
112	137	960.00	-57.28	69.39	-0.47	58.55	-0.06	0.05
112	137	1010.00	-51.97	67.85	-0.45	37.83	-0.21	0.05
112	137	1060.00	-44.77	65.75	0.19	10.06	-0.11	0.06
112	152	700.00	-55.78	56.48	5.00	-24.50	1.32	-0.18
112	152	752.50	-55.88	56.29	5.02	-39.39	1.46	-0.19
112	152	805.00	-57.41	49.12	3.20	-31.84	3.66	-0.18
112	152	857.50	-55.66	48.36	1.82	-12.28	5.04	-0.13
112	152	910.00	-71.30	47.51	0.44	-27.57	5.65	-0.02
112	152	960.00	-61.78	46.75	-3.38	-12.78	4.73	0.13
112	152	1010.00	-51.87	46.07	-3.75	-10.28	2.99	0.12
112	152	1060.00	-46.91	45.51	-4.17	-1.94	1.05	0.13
112	154	700.00	-104.48	-27.23	-4.08	124.56	-1.15	0.08
112	154	752.50	-104.58	-27.43	-4.05	109.67	-1.02	0.09
112	154	805.00	-97.27	-24.92	-2.28	92.37	-2.61	0.09
112	154	857.50	-91.40	-23.45	-1.19	56.59	-3.43	0.06
112	154	910.00	-67.94	-22.00	0.10	54.82	-3.72	-1.43e-03
112	154	960.00	-65.66	-20.39	1.84	31.19	-3.44	-0.04
112	154	1010.00	-63.06	-18.88	2.59	28.61	-2.29	-0.04
112	154	1060.00	-55.74	-13.33	3.22	25.50	-0.80	-0.05
112	161	700.00	-65.48	107.30	1.52	231.66	0.47	-0.10
112	161	752.50	-65.58	107.11	1.55	216.76	0.60	-0.12
112	161	805.00	-65.87	93.55	0.58	184.28	1.09	-0.11
112	161	857.50	-62.04	91.23	0.55	144.83	1.38	-0.09
112	161	910.00	-64.15	88.96	0.36	98.72	1.66	-0.03
112	161	960.00	-55.64	86.11	-1.62	80.92	1.20	0.08
112	161	1010.00	-50.06	83.32	-1.18	49.06	0.56	0.06
112	161	1060.00	-45.03	80.64	-0.67	19.32	0.16	0.06
112	169	700.00	-61.53	90.55	0.90	170.99	0.09	-0.03
112	169	752.50	-61.64	90.36	0.92	156.09	0.22	-0.04
112	169	805.00	-61.92	79.52	0.10	131.93	0.22	-0.04
112	169	857.50	-59.16	77.95	0.31	104.08	0.08	-0.01
112	169	910.00	-62.09	76.63	0.07	67.85	0.15	5.71e-03
112	169	960.00	-56.67	74.87	-0.47	62.96	-0.09	0.05
112	169	1010.00	-51.41	73.15	-0.47	40.34	-0.24	0.06
112	169	1060.00	-44.12	70.58	0.22	9.77	-0.13	0.06
112	184	700.00	-56.43	56.35	5.15	-22.48	1.37	-0.18
112	184	752.50	-56.53	56.16	5.17	-37.37	1.50	-0.19
112	184	805.00	-57.96	48.90	3.29	-29.16	3.77	-0.18
112	184	857.50	-56.23	48.14	1.86	-9.58	5.19	-0.13
112	184	910.00	-71.15	47.31	0.45	-24.47	5.81	-0.02
112	184	960.00	-61.83	46.55	-3.48	-11.04	4.87	0.13
112	184	1010.00	-51.94	45.85	-3.85	-9.35	3.07	0.12
112	184	1060.00	-46.71	45.11	-4.29	-1.92	1.08	0.13
112	185	700.00	-51.28	84.72	4.72	41.39	1.19	-0.15
112	185	752.50	-51.38	84.53	4.74	26.50	1.33	-0.17
112	185	805.00	-53.62	74.12	2.74	24.50	3.19	-0.16
112	185	857.50	-52.10	72.65	1.65	31.57	4.25	-0.11
112	185	910.00	-67.46	71.25	0.33	5.23	4.77	-0.01
112	185	960.00	-58.89	69.67	-2.96	15.99	3.95	0.12
112	185	1010.00	-49.98	68.16	-3.35	7.27	2.43	0.12
112	185	1060.00	-44.05	65.56	-3.45	-1.05	0.83	0.12
112	186	700.00	-103.77	-26.22	-4.22	124.81	-1.19	0.08
112	186	752.50	-103.87	-26.42	-4.20	109.92	-1.06	0.09
112	186	805.00	-96.70	-23.93	-2.36	91.55	-2.71	0.10
112	186	857.50	-90.81	-22.48	-1.24	55.31	-3.56	0.06
112	186	910.00	-68.08	-21.08	0.10	52.75	-3.86	-6.06e-04
112	186	960.00	-65.56	-19.49	1.92	30.27	-3.56	-0.04
112	186	1010.00	-62.93	-17.99	2.68	28.14	-2.37	-0.04

112	186	1060.00	-55.88	-12.30	3.33	25.58	-0.83	-0.05
112	193	700.00	-65.68	106.54	1.59	229.53	0.49	-0.11
112	193	752.50	-65.79	106.35	1.61	214.64	0.62	-0.12
112	193	805.00	-66.03	92.85	0.62	182.77	1.13	-0.11
112	193	857.50	-62.25	90.54	0.57	143.85	1.44	-0.09
112	193	910.00	-64.17	88.28	0.37	98.28	1.73	-0.03
112	193	960.00	-55.75	85.45	-1.66	80.38	1.26	0.08
112	193	1010.00	-50.16	82.68	-1.22	48.72	0.60	0.06
112	193	1060.00	-45.02	79.97	-0.72	19.05	0.17	0.06
112	216	700.00	-52.61	61.91	6.17	-41.22	1.65	-0.21
112	216	752.50	-52.71	61.71	6.19	-56.11	1.79	-0.22
112	216	805.00	-54.87	53.74	3.92	-44.12	4.50	-0.22
112	216	857.50	-53.53	52.82	2.20	-18.01	6.18	-0.15
112	216	910.00	-71.70	51.83	0.50	-32.89	6.91	-0.02
112	216	960.00	-61.75	50.91	-4.09	-16.48	5.83	0.15
112	216	1010.00	-51.08	50.05	-4.58	-13.97	3.70	0.14
112	216	1060.00	-45.96	48.76	-5.16	-4.65	1.30	0.14
112	217	700.00	-46.61	94.66	5.65	32.42	1.44	-0.18
112	217	752.50	-46.71	94.47	5.67	17.53	1.58	-0.19
112	217	805.00	-49.79	82.87	3.27	17.79	3.81	-0.19
112	217	857.50	-48.70	81.13	1.95	29.49	5.08	-0.13
112	217	910.00	-67.39	79.48	0.36	1.38	5.68	-0.01
112	217	960.00	-58.35	77.62	-3.48	14.82	4.74	0.14
112	217	1010.00	-48.81	75.83	-3.99	5.33	2.94	0.13
112	217	1060.00	-42.87	72.38	-4.17	-3.66	1.01	0.14
112	218	700.00	-108.44	-36.16	-5.16	133.79	-1.44	0.10
112	218	752.50	-108.54	-36.35	-5.13	118.90	-1.31	0.11
112	218	805.00	-100.53	-32.68	-2.89	98.26	-3.33	0.12
112	218	857.50	-94.20	-30.96	-1.54	57.40	-4.39	0.08
112	218	910.00	-68.15	-29.31	0.07	56.60	-4.77	9.98e-04
112	218	960.00	-66.11	-27.44	2.43	31.45	-4.36	-0.05
112	218	1010.00	-64.09	-25.65	3.31	30.08	-2.88	-0.06
112	218	1060.00	-57.07	-19.13	4.05	28.19	-1.01	-0.07
112	225	700.00	-63.56	119.73	1.89	252.89	0.59	-0.12
112	225	752.50	-63.66	119.53	1.91	238.00	0.72	-0.13
112	225	805.00	-64.38	104.38	0.73	202.83	1.33	-0.13
112	225	857.50	-60.64	101.69	0.65	160.23	1.69	-0.10
112	225	910.00	-63.56	99.05	0.40	109.59	2.02	-0.04
112	225	960.00	-54.67	95.74	-1.90	89.72	1.50	0.08
112	225	1010.00	-49.10	92.50	-1.43	53.71	0.73	0.07
112	225	1060.00	-44.10	89.01	-0.88	19.89	0.21	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-164.28	-36.35	-5.16	-56.11	-4.77	-0.22
	-42.87	119.73	6.19	252.89	6.91	0.15

Macro	Tipo	Angolo 1-Z (gradi)
113	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
113	4	340.00	0.65	7.60	0.40	0.20	0.02	-0.30
113	4	392.50	0.65	7.60	0.36	4.62	0.31	-0.39
113	4	445.00	0.70	6.71	-0.52	4.98	0.0	-0.26
113	7	340.00	0.46	5.84	0.40	0.15	0.02	-0.30
113	7	392.50	0.46	5.84	0.35	3.56	0.31	-0.39
113	7	445.00	0.52	5.16	-0.52	3.86	0.0	-0.26
113	19	340.00	0.73	5.40	0.65	0.13	0.03	-0.50
113	19	392.50	0.73	5.40	0.58	3.12	0.51	-0.66
113	19	445.00	0.61	4.66	-0.85	3.09	0.0	-0.44
113	33	340.00	0.92	7.16	-0.18	0.18	-7.63e-03	0.15
113	33	392.50	0.92	7.16	-0.16	4.20	-0.15	0.20
113	33	445.00	0.81	6.24	0.25	4.26	0.0	0.13
113	67	340.00	0.54	5.69	0.27	0.14	0.01	-0.20
113	67	392.50	0.54	5.69	0.24	3.42	0.21	-0.26
113	67	445.00	0.55	5.00	-0.35	3.63	0.0	-0.18
113	68	340.00	0.54	5.76	0.27	0.15	0.01	-0.20
113	68	392.50	0.54	5.76	0.24	3.47	0.21	-0.26
113	68	445.00	0.55	5.06	-0.35	3.70	0.0	-0.18
113	72	340.00	0.72	5.40	0.44	0.13	0.02	-0.34
113	72	392.50	0.72	5.40	0.39	3.13	0.34	-0.44
113	72	445.00	0.60	4.67	-0.57	3.11	0.0	-0.29

113	81	340.00	0.72	5.47	-0.12	0.14	-5.06e-03	0.10
113	81	392.50	0.72	5.47	-0.11	3.19	-0.10	0.13
113	81	445.00	0.63	4.75	0.17	3.22	0.0	0.09
113	98	340.00	0.59	5.56	7.76e-03	0.14	4.00e-04	1.26e-03
113	98	392.50	0.59	5.56	7.45e-03	3.30	2.34e-03	1.58e-03
113	98	445.00	0.57	4.86	-4.34e-03	3.44	0.0	7.76e-04
113	99	340.00	0.72	5.36	6.04e-03	0.13	3.06e-04	7.81e-04
113	99	392.50	0.72	5.36	5.83e-03	3.11	1.71e-03	9.69e-04
113	99	445.00	0.61	4.64	-3.21e-03	3.10	0.0	4.32e-04
113	102	340.00	0.72	5.35	0.09	0.13	3.92e-03	-0.07
113	102	392.50	0.72	5.35	0.08	3.09	0.07	-0.09
113	102	445.00	0.61	4.63	-0.12	3.08	0.0	-0.06
113	106	340.00	0.72	5.34	5.93e-03	0.13	3.01e-04	7.50e-04
113	106	392.50	0.72	5.34	5.73e-03	3.08	1.67e-03	9.29e-04
113	106	445.00	0.61	4.62	-3.14e-03	3.07	0.0	4.08e-04
113	107	340.00	0.61	5.53	7.49e-03	0.14	3.86e-04	1.19e-03
113	107	392.50	0.61	5.53	7.21e-03	3.27	2.25e-03	1.49e-03
113	107	445.00	0.58	4.83	-4.17e-03	3.39	0.0	7.24e-04
113	113	340.00	-0.92	43.01	8.18e-03	0.32	2.74e-03	0.07
113	113	392.50	-6.30	43.91	-0.01	43.95	0.01	0.07
113	113	445.00	-2.88	39.78	-0.04	38.30	8.21e-03	0.06
113	114	340.00	2.13	-31.96	6.81e-03	-0.05	-1.97e-03	-0.07
113	114	392.50	7.51	-32.86	0.03	-37.41	-0.01	-0.07
113	114	445.00	4.03	-30.12	0.03	-31.52	-8.21e-03	-0.06
113	133	340.00	-0.52	31.51	-0.07	0.23	-5.30e-03	0.08
113	133	392.50	-4.20	32.14	-0.16	31.63	-0.04	0.08
113	133	445.00	-1.80	29.16	0.09	27.74	-0.03	0.06
113	145	340.00	-1.11	47.69	8.30e-03	0.34	3.04e-03	0.08
113	145	392.50	-7.16	48.70	-0.02	49.03	0.02	0.08
113	145	445.00	-3.31	44.14	-0.04	42.66	9.26e-03	0.07
113	146	340.00	2.32	-36.64	6.69e-03	-0.07	-2.27e-03	-0.08
113	146	392.50	8.37	-37.65	0.03	-42.49	-0.01	-0.08
113	146	445.00	4.46	-34.48	0.04	-35.88	-9.26e-03	-0.07
113	165	340.00	-0.66	34.73	-0.08	0.24	-5.99e-03	0.09
113	165	392.50	-4.80	35.43	-0.18	35.14	-0.05	0.09
113	165	445.00	-2.10	32.17	0.10	30.76	-0.03	0.07
113	177	340.00	-1.02	45.70	7.33e-03	0.33	2.86e-03	0.07
113	177	392.50	-6.79	46.66	-0.02	46.83	0.02	0.07
113	177	445.00	-3.13	42.28	-0.04	40.77	8.58e-03	0.06
113	178	340.00	2.24	-34.65	7.66e-03	-0.06	-2.09e-03	-0.07
113	178	392.50	8.01	-35.61	0.03	-40.29	-0.01	-0.07
113	178	445.00	4.28	-32.63	0.03	-33.99	-8.58e-03	-0.06
113	197	340.00	-0.61	33.53	-0.08	0.24	-5.77e-03	0.08
113	197	392.50	-4.58	34.20	-0.17	33.81	-0.05	0.08
113	197	445.00	-1.99	31.05	0.10	29.62	-0.03	0.07
113	209	340.00	-1.26	51.59	6.69e-03	0.36	3.19e-03	0.08
113	209	392.50	-7.88	52.70	-0.02	53.19	0.02	0.08
113	209	445.00	-3.67	47.78	-0.05	46.23	9.65e-03	0.07
113	210	340.00	2.47	-40.54	8.30e-03	-0.09	-2.41e-03	-0.08
113	210	392.50	9.10	-41.64	0.04	-46.65	-0.01	-0.08
113	210	445.00	4.83	-38.12	0.04	-39.45	-9.64e-03	-0.07
113	229	340.00	-0.80	37.73	-0.09	0.25	-6.76e-03	0.10
113	229	392.50	-5.36	38.50	-0.20	38.39	-0.06	0.10
113	229	445.00	-2.38	34.99	0.11	33.55	-0.03	0.08

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.88	-41.64	-0.85	-46.65	-0.15	-0.66
	9.10	52.70	0.65	53.19	0.51	0.20

Macro	Tipo	Angolo 1-Z (gradi)
114	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
114	19	700.00	-1.57	-0.28	2.34	-0.90	-0.23	0.02
114	19	752.50	-1.57	-0.28	2.34	-1.05	1.00	0.02
114	19	805.00	-0.73	1.54	1.68	-0.25	1.88	0.02
114	19	857.50	-0.47	1.54	1.02	0.56	2.41	0.02
114	19	910.00	-0.22	1.54	0.35	1.37	2.60	4.04e-03
114	19	960.00	-0.49	-0.62	-1.93	0.44	1.63	-0.02
114	19	1010.00	-0.32	-0.71	-1.68	0.22	0.79	-0.03
114	19	1060.00	-0.22	-0.58	-1.58	0.05	0.0	-0.03

114	28	700.00	-2.95	-0.76	-2.82	-2.30	0.31	-0.02
114	28	752.50	-2.95	-0.76	-2.82	-2.70	-1.17	-0.03
114	28	805.00	-1.77	4.03	-2.03	-0.59	-2.23	-0.03
114	28	857.50	-1.44	4.03	-1.23	1.53	-2.88	-0.02
114	28	910.00	-1.11	4.03	-0.44	3.64	-3.11	-5.18e-03
114	28	960.00	-1.34	-1.22	2.31	1.30	-1.95	0.03
114	28	1010.00	-0.87	-1.13	2.01	0.76	-0.95	0.04
114	28	1060.00	-0.51	-0.77	1.90	0.33	0.0	0.04
114	46	700.00	-1.95	-0.40	-4.69	-1.23	0.49	-0.03
114	46	752.50	-1.95	-0.40	-4.69	-1.44	-1.97	-0.05
114	46	805.00	-1.03	2.05	-3.37	-0.37	-3.73	-0.05
114	46	857.50	-0.78	2.05	-2.04	0.71	-4.81	-0.04
114	46	910.00	-0.52	2.05	-0.72	1.78	-5.18	-8.51e-03
114	46	960.00	-0.70	-0.74	3.85	0.59	-3.26	0.05
114	46	1010.00	-0.45	-0.81	3.35	0.31	-1.58	0.06
114	46	1060.00	-0.28	-0.65	3.16	0.09	0.0	0.06
114	72	700.00	-1.65	-0.31	1.56	-0.98	-0.15	0.01
114	72	752.50	-1.65	-0.31	1.56	-1.15	0.67	0.02
114	72	805.00	-0.80	1.68	1.12	-0.27	1.26	0.02
114	72	857.50	-0.54	1.68	0.68	0.61	1.61	0.01
114	72	910.00	-0.29	1.68	0.23	1.49	1.73	2.64e-03
114	72	960.00	-0.54	-0.65	-1.29	0.49	1.09	-0.02
114	72	1010.00	-0.35	-0.73	-1.12	0.25	0.53	-0.02
114	72	1060.00	-0.23	-0.59	-1.05	0.07	0.0	-0.02
114	80	700.00	-2.18	-0.54	-1.88	-1.65	0.21	-0.01
114	80	752.50	-2.18	-0.54	-1.88	-1.93	-0.78	-0.02
114	80	805.00	-1.27	2.87	-1.35	-0.42	-1.49	-0.02
114	80	857.50	-1.02	2.87	-0.82	1.08	-1.92	-0.01
114	80	910.00	-0.77	2.87	-0.29	2.59	-2.07	-3.48e-03
114	80	960.00	-0.95	-0.89	1.54	0.91	-1.30	0.02
114	80	1010.00	-0.62	-0.85	1.34	0.53	-0.63	0.03
114	80	1060.00	-0.37	-0.60	1.27	0.22	0.0	0.02
114	86	700.00	-1.91	-0.39	-3.13	-1.20	0.33	-0.02
114	86	752.50	-1.91	-0.39	-3.13	-1.41	-1.31	-0.03
114	86	805.00	-1.00	2.02	-2.25	-0.35	-2.49	-0.03
114	86	857.50	-0.75	2.02	-1.36	0.71	-3.20	-0.02
114	86	910.00	-0.49	2.02	-0.48	1.77	-3.46	-5.73e-03
114	86	960.00	-0.68	-0.73	2.57	0.59	-2.17	0.03
114	86	1010.00	-0.44	-0.79	2.23	0.31	-1.05	0.04
114	86	1060.00	-0.28	-0.63	2.11	0.09	0.0	0.04
114	98	700.00	-1.96	-0.45	-5.58e-03	-1.38	0.02	2.54e-03
114	98	752.50	-1.96	-0.45	-5.58e-03	-1.62	0.01	9.54e-04
114	98	805.00	-1.08	2.41	-5.58e-03	-0.36	9.52e-03	3.28e-04
114	98	857.50	-0.83	2.41	-5.58e-03	0.91	6.59e-03	3.43e-05
114	98	910.00	-0.58	2.41	-5.58e-03	2.17	3.66e-03	-1.51e-04
114	98	960.00	-0.79	-0.80	-4.65e-03	0.75	1.33e-03	-3.35e-04
114	98	1010.00	-0.52	-0.80	-2.99e-03	0.42	-1.66e-04	-3.10e-04
114	98	1060.00	-0.32	-0.58	3.33e-04	0.16	0.0	-2.21e-04
114	101	700.00	-1.96	-0.44	-5.45e-03	-1.37	0.02	2.46e-03
114	101	752.50	-1.96	-0.44	-5.45e-03	-1.60	0.01	9.24e-04
114	101	805.00	-1.08	2.37	-5.45e-03	-0.36	9.41e-03	3.16e-04
114	101	857.50	-0.83	2.37	-5.45e-03	0.89	6.55e-03	3.12e-05
114	101	910.00	-0.58	2.37	-5.45e-03	2.13	3.69e-03	-1.47e-04
114	101	960.00	-0.79	-0.79	-4.67e-03	0.74	1.35e-03	-3.21e-04
114	101	1010.00	-0.51	-0.79	-3.01e-03	0.41	-1.52e-04	-2.97e-04
114	101	1060.00	-0.31	-0.59	3.03e-04	0.16	0.0	-2.11e-04
114	102	700.00	-1.73	-0.33	0.31	-1.04	-0.02	4.05e-03
114	102	752.50	-1.73	-0.33	0.31	-1.21	0.14	3.72e-03
114	102	805.00	-0.86	1.76	0.22	-0.29	0.26	3.33e-03
114	102	857.50	-0.61	1.76	0.13	0.63	0.33	2.40e-03
114	102	910.00	-0.36	1.76	0.04	1.56	0.35	3.98e-04
114	102	960.00	-0.59	-0.67	-0.26	0.51	0.22	-3.50e-03
114	102	1010.00	-0.38	-0.74	-0.23	0.26	0.11	-4.62e-03
114	102	1060.00	-0.25	-0.60	-0.21	0.07	0.0	-4.22e-03
114	104	700.00	-1.77	-0.34	-0.63	-1.07	0.08	-2.60e-03
114	104	752.50	-1.77	-0.34	-0.63	-1.25	-0.25	-5.44e-03
114	104	805.00	-0.89	1.80	-0.45	-0.30	-0.49	-6.05e-03
114	104	857.50	-0.63	1.80	-0.28	0.65	-0.64	-4.85e-03
114	104	910.00	-0.38	1.80	-0.10	1.59	-0.69	-1.28e-03
114	104	960.00	-0.60	-0.68	0.51	0.52	-0.43	6.06e-03
114	104	1010.00	-0.39	-0.75	0.44	0.27	-0.21	8.36e-03
114	104	1060.00	-0.25	-0.61	0.42	0.08	0.0	7.79e-03
114	106	700.00	-1.75	-0.34	-4.17e-03	-1.05	0.01	1.82e-03
114	106	752.50	-1.75	-0.34	-4.17e-03	-1.23	9.48e-03	6.66e-04
114	106	805.00	-0.88	1.78	-4.17e-03	-0.30	7.29e-03	2.04e-04

114	106	857.50	-0.62	1.78	-4.17e-03	0.64	5.10e-03	-1.64e-05
114	106	910.00	-0.37	1.78	-4.17e-03	1.57	2.91e-03	-1.63e-04
114	106	960.00	-0.60	-0.67	-3.68e-03	0.52	1.07e-03	-3.18e-04
114	106	1010.00	-0.39	-0.75	-2.37e-03	0.26	-1.09e-04	-3.00e-04
114	106	1060.00	-0.25	-0.60	2.18e-04	0.08	0.0	-2.23e-04
114	107	700.00	-1.93	-0.43	-5.38e-03	-1.34	0.01	2.44e-03
114	107	752.50	-1.93	-0.43	-5.38e-03	-1.56	0.01	9.13e-04
114	107	805.00	-1.05	2.32	-5.38e-03	-0.35	9.20e-03	3.11e-04
114	107	857.50	-0.80	2.32	-5.38e-03	0.87	6.37e-03	2.71e-05
114	107	910.00	-0.55	2.32	-5.38e-03	2.09	3.55e-03	-1.53e-04
114	107	960.00	-0.77	-0.78	-4.51e-03	0.72	1.29e-03	-3.33e-04
114	107	1010.00	-0.50	-0.79	-2.90e-03	0.40	-1.58e-04	-3.09e-04
114	107	1060.00	-0.31	-0.59	3.17e-04	0.15	0.0	-2.22e-04
114	109	700.00	-7.21	-2.09	-0.26	-5.85	-8.52e-03	8.62e-03
114	109	752.50	-7.21	-2.09	-0.26	-6.08	-0.01	8.47e-03
114	109	805.00	-6.09	12.33	-0.47	-2.71	0.06	8.67e-03
114	109	857.50	-5.83	12.23	-0.38	3.70	-0.05	7.41e-03
114	109	910.00	-5.60	12.13	-0.29	9.99	-0.49	3.67e-03
114	109	960.00	-3.79	-3.29	0.34	4.00	-0.65	-3.05e-03
114	109	1010.00	-2.66	-2.88	0.32	2.71	-0.37	-5.97e-03
114	109	1060.00	-1.56	-1.93	0.28	1.24	-0.12	-6.85e-03
114	112	700.00	-6.74	-2.10	0.12	-5.87	0.05	0.02
114	112	752.50	-6.74	-2.10	0.12	-6.09	0.05	0.02
114	112	805.00	-4.28	12.38	-0.15	-2.43	0.31	0.02
114	112	857.50	-5.51	12.28	-0.12	3.70	0.34	0.02
114	112	910.00	-5.42	12.17	-0.10	10.03	0.03	6.32e-03
114	112	960.00	-3.44	-3.30	-0.10	4.02	-0.20	-0.01
114	112	1010.00	-2.41	-2.91	-0.03	2.72	-0.11	-0.02
114	112	1060.00	-1.39	-2.05	-0.05	1.24	-0.04	-0.02
114	114	700.00	2.84	0.91	0.17	2.34	0.03	-6.56e-03
114	114	752.50	2.84	0.91	0.17	2.11	0.02	-0.01
114	114	805.00	4.86	-5.86	0.39	1.85	-0.10	-0.01
114	114	857.50	3.68	-5.79	0.31	-1.44	-0.02	-0.01
114	114	910.00	3.78	-5.71	0.23	-4.39	0.39	-5.06e-03
114	114	960.00	2.06	1.27	-0.26	-1.96	0.56	4.95e-03
114	114	1010.00	1.51	0.94	-0.25	-1.49	0.31	9.46e-03
114	114	1060.00	0.88	0.60	-0.21	-0.74	0.10	0.01
114	124	700.00	-1.75	-0.40	0.74	-1.20	0.14	0.02
114	124	752.50	-1.75	-0.40	0.74	-1.43	0.14	0.03
114	124	805.00	-0.87	2.09	0.56	-0.25	0.56	0.03
114	124	857.50	-0.75	2.10	0.45	0.79	0.86	0.02
114	124	910.00	-0.44	2.11	0.34	1.92	0.98	7.79e-03
114	124	960.00	-0.68	-0.71	-0.88	0.65	0.80	-0.02
114	124	1010.00	-0.44	-0.82	-0.67	0.35	0.45	-0.03
114	124	1060.00	-0.27	-0.94	-0.65	0.13	0.15	-0.03
114	141	700.00	-7.88	-2.30	-0.29	-6.42	-0.01	9.39e-03
114	141	752.50	-7.88	-2.30	-0.29	-6.65	-0.01	9.41e-03
114	141	805.00	-6.73	13.60	-0.52	-3.01	0.07	9.72e-03
114	141	857.50	-6.47	13.49	-0.43	4.05	-0.06	8.33e-03
114	141	910.00	-6.24	13.37	-0.32	11.00	-0.55	4.15e-03
114	141	960.00	-4.18	-3.61	0.38	4.42	-0.73	-3.40e-03
114	141	1010.00	-2.93	-3.14	0.36	3.00	-0.41	-6.69e-03
114	141	1060.00	-1.72	-2.10	0.32	1.38	-0.14	-7.69e-03
114	144	700.00	-7.35	-2.31	0.13	-6.44	0.06	0.02
114	144	752.50	-7.35	-2.31	0.13	-6.67	0.06	0.02
114	144	805.00	-4.69	13.65	-0.17	-2.69	0.35	0.02
114	144	857.50	-6.11	13.54	-0.14	4.06	0.38	0.02
114	144	910.00	-6.03	13.42	-0.11	11.04	0.03	7.13e-03
114	144	960.00	-3.78	-3.62	-0.12	4.43	-0.23	-0.01
114	144	1010.00	-2.66	-3.18	-0.03	3.01	-0.13	-0.02
114	144	1060.00	-1.53	-2.24	-0.06	1.38	-0.04	-0.02
114	146	700.00	3.45	1.08	0.19	2.81	0.03	-7.69e-03
114	146	752.50	3.45	1.08	0.19	2.58	0.02	-0.01
114	146	805.00	5.62	-6.90	0.44	2.13	-0.11	-0.01
114	146	857.50	4.25	-6.81	0.35	-1.73	-0.02	-0.01
114	146	910.00	4.33	-6.72	0.26	-5.20	0.43	-5.68e-03
114	146	960.00	2.42	1.53	-0.29	-2.30	0.63	5.61e-03
114	146	1010.00	1.76	1.16	-0.28	-1.73	0.35	0.01
114	146	1060.00	1.04	0.75	-0.24	-0.85	0.12	0.01
114	156	700.00	-1.71	-0.39	0.83	-1.18	0.16	0.02
114	156	752.50	-1.71	-0.39	0.83	-1.41	0.16	0.03
114	156	805.00	-0.84	2.05	0.63	-0.23	0.63	0.03
114	156	857.50	-0.73	2.06	0.51	0.78	0.96	0.03
114	156	910.00	-0.42	2.07	0.38	1.89	1.11	8.79e-03
114	156	960.00	-0.66	-0.70	-0.99	0.64	0.90	-0.02

114	156	1010.00	-0.43	-0.83	-0.76	0.34	0.51	-0.03
114	156	1060.00	-0.26	-0.98	-0.73	0.12	0.17	-0.04
114	173	700.00	-7.92	-2.30	-0.29	-6.43	-0.01	8.85e-03
114	173	752.50	-7.92	-2.30	-0.29	-6.66	-0.01	8.81e-03
114	173	805.00	-6.78	13.64	-0.51	-3.01	0.06	9.10e-03
114	173	857.50	-6.51	13.53	-0.41	4.07	-0.07	7.81e-03
114	173	910.00	-6.28	13.41	-0.31	11.04	-0.54	3.91e-03
114	173	960.00	-4.20	-3.62	0.38	4.43	-0.71	-3.12e-03
114	173	1010.00	-2.95	-3.15	0.35	3.01	-0.40	-6.20e-03
114	173	1060.00	-1.73	-2.11	0.31	1.38	-0.13	-7.14e-03
114	176	700.00	-7.37	-2.31	0.13	-6.44	0.06	0.02
114	176	752.50	-7.37	-2.31	0.13	-6.67	0.05	0.02
114	176	805.00	-4.71	13.68	-0.16	-2.68	0.33	0.02
114	176	857.50	-6.14	13.57	-0.13	4.08	0.37	0.02
114	176	910.00	-6.06	13.45	-0.10	11.07	0.03	6.82e-03
114	176	960.00	-3.79	-3.63	-0.11	4.45	-0.22	-0.01
114	176	1010.00	-2.67	-3.19	-0.03	3.02	-0.12	-0.02
114	176	1060.00	-1.54	-2.25	-0.06	1.39	-0.04	-0.02
114	178	700.00	3.47	1.08	0.19	2.79	0.03	-7.21e-03
114	178	752.50	3.47	1.08	0.19	2.57	0.02	-0.01
114	178	805.00	5.65	-6.89	0.42	2.12	-0.10	-0.01
114	178	857.50	4.27	-6.81	0.34	-1.74	-0.02	-0.01
114	178	910.00	4.35	-6.72	0.25	-5.21	0.42	-5.47e-03
114	178	960.00	2.44	1.53	-0.28	-2.30	0.61	5.35e-03
114	178	1010.00	1.77	1.16	-0.27	-1.73	0.34	0.01
114	178	1060.00	1.04	0.76	-0.23	-0.85	0.11	0.01
114	188	700.00	-1.66	-0.38	0.83	-1.14	0.16	0.02
114	188	752.50	-1.66	-0.38	0.83	-1.37	0.16	0.03
114	188	805.00	-0.78	1.97	0.62	-0.21	0.62	0.03
114	188	857.50	-0.67	1.98	0.50	0.76	0.95	0.03
114	188	910.00	-0.36	2.00	0.38	1.83	1.10	8.65e-03
114	188	960.00	-0.63	-0.69	-0.98	0.62	0.89	-0.02
114	188	1010.00	-0.40	-0.82	-0.75	0.33	0.50	-0.03
114	188	1060.00	-0.25	-0.98	-0.72	0.12	0.17	-0.04
114	213	700.00	-9.13	-2.67	-0.68	-7.42	0.03	9.76e-03
114	213	752.50	-9.13	-2.67	-0.68	-7.65	0.02	9.85e-03
114	213	805.00	-7.94	15.88	-0.58	-3.52	0.06	0.01
114	213	857.50	-7.68	15.69	-0.47	4.70	-0.09	-0.02
114	213	910.00	-7.45	15.49	-0.36	12.76	-0.62	-9.87e-03
114	213	960.00	-4.90	-4.21	0.44	5.14	-0.54	-2.92e-03
114	213	1010.00	-3.44	-3.68	0.41	3.51	-0.31	-6.20e-03
114	213	1060.00	-2.01	-2.51	0.36	1.62	-0.10	-7.24e-03
114	216	700.00	-8.47	-2.68	-0.20	-7.43	0.11	0.02
114	216	752.50	-8.47	-2.68	-0.20	-7.66	0.10	0.02
114	216	805.00	-5.48	15.93	-0.17	-3.13	0.38	0.02
114	216	857.50	-7.22	15.73	-0.14	4.71	0.42	-0.01
114	216	910.00	-7.17	15.53	-0.11	12.80	0.04	-6.49e-03
114	216	960.00	-4.41	-4.22	-0.13	5.16	0.04	-0.01
114	216	1010.00	-3.11	-3.73	-0.04	3.52	0.01	-0.02
114	216	1060.00	-1.78	-2.68	-0.07	1.62	6.15e-03	-0.02
114	218	700.00	4.56	1.38	0.57	3.60	-0.01	-8.71e-03
114	218	752.50	4.56	1.38	0.57	3.38	-0.02	-0.01
114	218	805.00	6.99	-8.73	0.48	2.59	-0.11	-0.01
114	218	857.50	5.31	-8.57	0.39	-2.25	-0.01	0.02
114	218	910.00	5.36	-8.40	0.29	-6.61	0.48	8.07e-03
114	218	960.00	3.09	2.02	-0.32	-2.88	0.41	5.66e-03
114	218	1010.00	2.23	1.61	-0.31	-2.13	0.24	0.01
114	218	1060.00	1.31	1.12	-0.26	-1.04	0.08	0.01
114	220	700.00	-1.57	-0.36	0.96	-1.08	0.18	0.03
114	220	752.50	-1.57	-0.36	0.96	-1.30	0.18	0.03
114	220	805.00	-0.70	1.85	0.73	-0.17	0.72	0.04
114	220	857.50	-0.61	1.86	0.59	0.73	1.11	0.03
114	220	910.00	-0.29	1.88	0.44	1.74	1.28	0.01
114	220	960.00	-0.58	-0.66	-1.14	0.58	1.04	-0.03
114	220	1010.00	-0.37	-0.82	-0.87	0.30	0.59	-0.04
114	220	1060.00	-0.23	-1.05	-0.85	0.10	0.19	-0.04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-9.13	-8.73	-4.69	-7.66	-5.18	-0.05
			6.99	15.93	3.85	12.80	2.60	0.06

Macro	Tipo	Angolo 1-Z (gradi)
115	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
115	3	700.00	8.99	-0.64	-0.99	-5.96	0.68	-1.06e-03
115	3	752.50	5.96	-0.81	-0.22	-4.53	0.37	0.03
115	3	805.00	4.65	1.64	-3.99e-03	-1.88	0.25	0.02
115	3	857.50	2.73	1.70	0.10	0.55	0.21	4.00e-03
115	3	910.00	0.88	1.86	0.24	2.98	0.22	-8.70e-03
115	3	960.00	-1.92	-4.71	0.11	1.78	0.19	-0.02
115	3	1010.00	-3.08	-5.59	-0.02	1.54	0.12	-0.03
115	3	1060.00	-1.52	-5.58	-0.27	-0.01	0.0	-0.03
115	27	700.00	7.60	-0.40	-1.57	-5.72	0.59	-0.14
115	27	752.50	4.65	-0.64	-1.03	-4.23	-0.09	-0.09
115	27	805.00	3.70	2.16	-0.67	-1.35	-0.38	-0.06
115	27	857.50	1.97	1.92	-0.63	1.16	-0.57	-0.04
115	27	910.00	0.22	1.72	-0.59	3.55	-0.76	-3.31e-03
115	27	960.00	-2.45	-4.88	0.13	2.13	-0.58	0.06
115	27	1010.00	-3.41	-5.70	0.25	1.74	-0.33	0.09
115	27	1060.00	-1.79	-5.55	0.70	0.13	0.0	0.09
115	33	700.00	-0.37	-0.56	-1.21	-2.48	0.41	-0.13
115	33	752.50	-2.58	-0.70	-0.86	-1.49	-0.13	-0.09
115	33	805.00	-3.34	1.17	-0.59	0.43	-0.35	-0.06
115	33	857.50	-4.58	0.93	-0.58	2.12	-0.52	-0.03
115	33	910.00	-5.82	0.70	-0.58	3.69	-0.68	-2.05e-03
115	33	960.00	-6.72	-4.13	0.08	2.51	-0.52	0.06
115	33	1010.00	-6.68	-4.59	0.18	2.23	-0.30	0.09
115	33	1060.00	-4.36	-4.31	0.64	0.97	0.0	0.10
115	44	700.00	4.29	-0.33	-1.72	-4.62	0.50	-0.20
115	44	752.50	1.60	-0.56	-1.34	-3.24	-0.30	-0.14
115	44	805.00	0.88	2.18	-0.95	-0.49	-0.64	-0.10
115	44	857.50	-0.63	1.81	-0.94	1.87	-0.89	-0.05
115	44	910.00	-2.19	1.45	-0.96	4.05	-1.16	-6.28e-04
115	44	960.00	-4.30	-4.72	0.12	2.57	-0.89	0.10
115	44	1010.00	-4.89	-5.39	0.34	2.16	-0.52	0.14
115	44	1060.00	-3.00	-5.12	1.11	0.62	0.0	0.15
115	67	700.00	6.10	-0.52	-0.73	-4.17	0.49	-3.62e-03
115	67	752.50	3.88	-0.65	-0.17	-3.15	0.26	0.02
115	67	805.00	2.88	1.04	-0.01	-1.29	0.17	0.01
115	67	857.50	1.46	1.07	0.06	0.42	0.14	2.15e-03
115	67	910.00	0.11	1.18	0.16	2.12	0.14	-6.25e-03
115	67	960.00	-1.77	-3.55	0.08	1.26	0.12	-0.01
115	67	1010.00	-2.50	-4.18	-9.38e-03	1.08	0.08	-0.02
115	67	1060.00	-1.22	-4.17	-0.18	-0.06	0.0	-0.02
115	79	700.00	5.16	-0.37	-1.11	-4.01	0.43	-0.10
115	79	752.50	3.00	-0.53	-0.71	-2.95	-0.05	-0.06
115	79	805.00	2.24	1.39	-0.46	-0.94	-0.25	-0.04
115	79	857.50	0.95	1.22	-0.43	0.82	-0.38	-0.03
115	79	910.00	-0.33	1.09	-0.40	2.50	-0.51	-2.66e-03
115	79	960.00	-2.12	-3.66	0.09	1.50	-0.39	0.04
115	79	1010.00	-2.71	-4.26	0.17	1.21	-0.22	0.06
115	79	1060.00	-1.40	-4.16	0.47	0.04	0.0	0.06
115	81	700.00	-0.15	-0.47	-0.87	-1.85	0.31	-0.09
115	81	752.50	-1.82	-0.57	-0.60	-1.13	-0.08	-0.06
115	81	805.00	-2.46	0.72	-0.41	0.25	-0.23	-0.04
115	81	857.50	-3.41	0.56	-0.40	1.47	-0.35	-0.02
115	81	910.00	-4.36	0.40	-0.39	2.59	-0.46	-1.82e-03
115	81	960.00	-4.97	-3.16	0.06	1.75	-0.35	0.04
115	81	1010.00	-4.89	-3.52	0.12	1.54	-0.20	0.06
115	81	1060.00	-3.12	-3.33	0.43	0.59	0.0	0.06
115	88	700.00	2.96	-0.32	-1.21	-3.28	0.37	-0.14
115	88	752.50	0.96	-0.48	-0.92	-2.29	-0.19	-0.09
115	88	805.00	0.36	1.40	-0.64	-0.36	-0.42	-0.07
115	88	857.50	-0.78	1.15	-0.64	1.29	-0.60	-0.04
115	88	910.00	-1.94	0.90	-0.64	2.83	-0.78	-8.71e-04
115	88	960.00	-3.36	-3.55	0.09	1.79	-0.60	0.07
115	88	1010.00	-3.70	-4.05	0.23	1.49	-0.35	0.10
115	88	1060.00	-2.21	-3.86	0.74	0.36	0.0	0.10
115	98	700.00	4.48	-0.52	-0.78	-3.50	0.43	-0.03
115	98	752.50	2.44	-0.63	-0.32	-2.58	0.14	-5.09e-03
115	98	805.00	1.55	0.87	-0.15	-0.91	0.03	-6.47e-03
115	98	857.50	0.28	0.84	-0.09	0.60	-0.03	-6.37e-03
115	98	910.00	-0.94	0.85	-0.03	2.07	-0.07	-4.71e-03
115	98	960.00	-2.41	-3.45	0.08	1.25	-0.04	5.26e-03
115	98	1010.00	-2.86	-4.01	0.04	1.04	-0.02	8.08e-03

115	98	1060.00	-1.47	-3.98	0.03	-0.03	0.0	5.82e-03
115	99	700.00	1.49	-0.64	-0.60	-2.10	0.33	-0.03
115	99	752.50	-0.21	-0.70	-0.24	-1.43	0.11	-5.11e-03
115	99	805.00	-1.10	0.20	-0.11	-0.31	0.03	-5.40e-03
115	99	857.50	-2.17	0.17	-0.07	0.74	-0.01	-5.04e-03
115	99	910.00	-3.18	0.15	-0.02	1.73	-0.04	-3.98e-03
115	99	960.00	-3.79	-3.15	0.05	1.09	-0.02	4.08e-03
115	99	1010.00	-3.75	-3.57	0.02	0.93	-4.50e-03	6.94e-03
115	99	1060.00	-2.09	-3.51	0.01	0.04	0.0	5.48e-03
115	105	700.00	3.94	-0.51	-0.84	-3.28	0.40	-0.05
115	105	752.50	1.95	-0.62	-0.43	-2.39	0.07	-0.02
115	105	805.00	1.09	0.83	-0.24	-0.77	-0.06	-0.02
115	105	857.50	-0.13	0.75	-0.20	0.68	-0.14	-0.01
115	105	910.00	-1.31	0.70	-0.15	2.07	-0.21	-3.80e-03
115	105	960.00	-2.64	-3.44	0.08	1.25	-0.15	0.02
115	105	1010.00	-2.99	-3.97	0.08	1.03	-0.08	0.03
115	105	1060.00	-1.56	-3.92	0.17	-0.02	0.0	0.02
115	106	700.00	1.77	-0.65	-0.60	-2.14	0.33	-0.03
115	106	752.50	0.07	-0.72	-0.24	-1.48	0.11	-4.95e-03
115	106	805.00	-0.85	0.12	-0.11	-0.40	0.03	-5.21e-03
115	106	857.50	-1.93	0.09	-0.07	0.61	-0.02	-4.89e-03
115	106	910.00	-2.94	0.07	-0.02	1.57	-0.04	-3.92e-03
115	106	960.00	-3.55	-3.17	0.05	0.96	-0.02	3.90e-03
115	106	1010.00	-3.49	-3.60	0.02	0.79	-6.42e-03	6.59e-03
115	106	1060.00	-1.85	-3.56	0.01	-0.09	0.0	5.10e-03
115	107	700.00	4.10	-0.54	-0.75	-3.31	0.41	-0.03
115	107	752.50	2.10	-0.65	-0.31	-2.42	0.14	-5.07e-03
115	107	805.00	1.20	0.76	-0.14	-0.84	0.03	-6.29e-03
115	107	857.50	-0.04	0.73	-0.09	0.60	-0.03	-6.16e-03
115	107	910.00	-1.23	0.74	-0.03	2.00	-0.06	-4.60e-03
115	107	960.00	-2.57	-3.41	0.07	1.21	-0.04	5.06e-03
115	107	1010.00	-2.95	-3.95	0.04	1.00	-0.01	7.87e-03
115	107	1060.00	-1.53	-3.92	0.03	-0.04	0.0	5.72e-03
115	112	700.00	11.43	1.74	-0.71	1.23	0.47	-0.03
115	112	752.50	9.43	1.63	-0.27	2.12	0.19	-9.70e-03
115	112	805.00	14.64	13.14	-0.27	7.17	0.11	-0.03
115	112	857.50	16.75	12.62	-0.33	13.13	-0.09	-0.03
115	112	910.00	21.04	12.11	-0.22	19.37	-0.23	-0.02
115	112	960.00	8.01	-11.80	0.26	10.58	-0.20	0.02
115	112	1010.00	4.74	-14.86	0.21	7.56	-0.10	0.02
115	112	1060.00	2.43	-14.26	0.03	3.27	-3.51e-03	0.02
115	115	700.00	-3.23	-2.82	-0.79	-7.85	0.36	-0.03
115	115	752.50	-5.22	-2.92	-0.35	-6.96	0.08	-4.40e-04
115	115	805.00	-12.23	-11.62	-0.01	-8.84	-0.05	0.02
115	115	857.50	-16.83	-11.16	0.15	-11.93	0.03	0.01
115	115	910.00	-23.49	-10.63	0.17	-15.37	0.11	0.01
115	115	960.00	-13.15	4.98	-0.11	-8.16	0.13	-5.97e-03
115	115	1010.00	-10.65	6.95	-0.13	-5.56	0.07	-7.43e-03
115	115	1060.00	-5.48	6.43	0.02	-3.35	3.51e-03	-8.69e-03
115	125	700.00	-1.13	1.00	-0.74	2.38	0.21	-0.06
115	125	752.50	-3.12	0.90	-0.30	3.27	-0.07	-0.05
115	125	805.00	2.36	8.47	-0.27	6.29	-0.19	-0.05
115	125	857.50	0.92	8.17	-0.33	8.97	-0.35	-0.04
115	125	910.00	4.85	7.86	-0.29	13.12	-0.51	-0.02
115	125	960.00	0.43	-5.56	0.34	7.45	-0.49	0.04
115	125	1010.00	-0.67	-7.68	0.37	5.36	-0.32	0.05
115	125	1060.00	-0.60	-7.00	0.44	2.20	-0.11	0.06
115	144	700.00	12.35	2.03	-0.71	1.81	0.48	-0.03
115	144	752.50	10.36	1.92	-0.26	2.70	0.20	-0.01
115	144	805.00	16.34	14.71	-0.28	8.19	0.12	-0.03
115	144	857.50	18.89	14.12	-0.36	14.73	-0.09	-0.03
115	144	910.00	23.86	13.54	-0.24	21.58	-0.25	-0.02
115	144	960.00	9.35	-12.87	0.28	11.77	-0.22	0.02
115	144	1010.00	5.72	-16.25	0.23	8.40	-0.11	0.03
115	144	1060.00	2.94	-15.58	0.03	3.69	-4.00e-03	0.02
115	147	700.00	-4.16	-3.11	-0.80	-8.43	0.35	-0.03
115	147	752.50	-6.15	-3.21	-0.35	-7.54	0.07	1.59e-04
115	147	805.00	-13.94	-13.18	2.50e-03	-9.86	-0.06	0.02
115	147	857.50	-18.96	-12.66	0.18	-13.53	0.04	0.02
115	147	910.00	-26.31	-12.07	0.19	-17.57	0.13	0.01
115	147	960.00	-14.50	6.05	-0.13	-9.35	0.15	-7.38e-03
115	147	1010.00	-11.63	8.34	-0.15	-6.39	0.08	-9.38e-03
115	147	1060.00	-5.99	7.75	0.02	-3.78	4.00e-03	-0.01
115	157	700.00	-1.77	1.20	-0.74	3.10	0.18	-0.06
115	157	752.50	-3.77	1.10	-0.30	3.99	-0.09	-0.05

115	157	805.00	2.53	9.46	-0.29	7.20	-0.22	-0.05
115	157	857.50	1.05	9.12	-0.36	10.05	-0.39	-0.04
115	157	910.00	5.64	8.77	-0.32	14.56	-0.57	-0.02
115	157	960.00	0.82	-5.84	0.38	8.25	-0.54	0.04
115	157	1010.00	-0.37	-8.15	0.41	5.93	-0.35	0.06
115	157	1060.00	-0.49	-7.39	0.50	2.49	-0.12	0.06
115	176	700.00	12.33	2.03	-0.70	1.84	0.48	-0.03
115	176	752.50	10.34	1.93	-0.26	2.72	0.20	-0.01
115	176	805.00	16.40	14.69	-0.28	8.27	0.11	-0.03
115	176	857.50	18.97	14.11	-0.36	14.83	-0.09	-0.03
115	176	910.00	23.86	13.53	-0.24	21.66	-0.25	-0.02
115	176	960.00	9.41	-12.93	0.28	11.82	-0.22	0.02
115	176	1010.00	5.76	-16.33	0.23	8.44	-0.11	0.03
115	176	1060.00	2.96	-15.65	0.04	3.71	-4.53e-03	0.02
115	179	700.00	-4.14	-3.12	-0.80	-8.45	0.35	-0.03
115	179	752.50	-6.13	-3.22	-0.36	-7.57	0.07	1.64e-04
115	179	805.00	-14.00	-13.17	2.16e-03	-9.94	-0.06	0.02
115	179	857.50	-19.04	-12.65	0.18	-13.63	0.04	0.02
115	179	910.00	-26.32	-12.06	0.19	-17.66	0.13	0.01
115	179	960.00	-14.56	6.11	-0.13	-9.41	0.15	-7.50e-03
115	179	1010.00	-11.67	8.42	-0.15	-6.43	0.08	-9.52e-03
115	179	1060.00	-6.01	7.82	0.02	-3.79	4.53e-03	-0.01
115	189	700.00	-1.63	1.22	-0.74	3.09	0.19	-0.06
115	189	752.50	-3.63	1.12	-0.29	3.98	-0.09	-0.05
115	189	805.00	2.66	9.56	-0.29	7.25	-0.22	-0.05
115	189	857.50	1.19	9.22	-0.36	10.17	-0.39	-0.04
115	189	910.00	5.81	8.86	-0.32	14.74	-0.56	-0.02
115	189	960.00	0.89	-5.88	0.38	8.35	-0.54	0.04
115	189	1010.00	-0.33	-8.20	0.41	5.99	-0.35	0.06
115	189	1060.00	-0.46	-7.43	0.49	2.53	-0.12	0.06
115	208	700.00	13.75	2.50	-0.69	2.77	0.49	-0.03
115	208	752.50	11.75	2.39	-0.25	3.65	0.21	-0.01
115	208	805.00	19.10	17.17	-0.31	9.92	0.12	-0.03
115	208	857.50	22.37	16.49	-0.41	17.40	-0.10	-0.03
115	208	910.00	28.32	15.80	-0.28	25.19	-0.29	-0.03
115	208	960.00	11.56	-14.65	0.32	13.72	-0.26	0.02
115	208	1010.00	7.33	-18.57	0.26	9.77	-0.12	0.03
115	208	1060.00	3.76	-17.77	0.04	4.39	-5.78e-03	0.03
115	211	700.00	-5.55	-3.58	-0.81	-9.38	0.34	-0.03
115	211	752.50	-7.54	-3.68	-0.37	-8.50	0.06	1.13e-03
115	211	805.00	-16.70	-15.64	0.03	-11.60	-0.07	0.02
115	211	857.50	-22.44	-15.03	0.23	-16.20	0.05	0.02
115	211	910.00	-30.78	-14.33	0.23	-21.18	0.16	0.02
115	211	960.00	-16.71	7.84	-0.17	-11.31	0.18	-9.83e-03
115	211	1010.00	-13.23	10.66	-0.18	-7.77	0.09	-0.01
115	211	1060.00	-6.81	9.94	0.02	-4.47	5.78e-03	-0.01
115	216	700.00	13.39	2.64	-0.66	2.94	0.49	-0.03
115	216	752.50	11.40	2.53	-0.21	3.82	0.21	-2.12e-03
115	216	805.00	19.00	17.56	-0.28	10.20	0.13	-0.03
115	216	857.50	22.40	16.68	-0.39	17.77	-0.08	-0.03
115	216	910.00	25.72	15.80	-0.29	25.03	-0.26	-0.03
115	216	960.00	11.56	-14.81	0.30	13.92	-0.23	0.02
115	216	1010.00	7.31	-18.80	0.24	9.92	-0.11	0.02
115	216	1060.00	3.74	-18.08	0.04	4.47	-4.00e-03	0.02
115	221	700.00	-2.52	1.55	-0.73	4.21	0.15	-0.07
115	221	752.50	-4.51	1.44	-0.29	5.09	-0.13	-0.06
115	221	805.00	3.03	11.21	-0.32	8.70	-0.26	-0.06
115	221	857.50	1.53	10.81	-0.41	11.94	-0.45	-0.05
115	221	910.00	7.21	10.38	-0.37	17.12	-0.65	-0.02
115	221	960.00	1.56	-6.34	0.43	9.68	-0.62	0.04
115	221	1010.00	0.18	-8.98	0.47	6.92	-0.41	0.07
115	221	1060.00	-0.26	-8.07	0.57	3.00	-0.14	0.07

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-30.78	-18.80	-1.72	-21.18	-1.16	-0.20
	28.32	17.56	1.11	25.19	0.68	0.15

Macro	Tipo	Angolo 1-Z (gradi)
116	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO				PROGETTO STRUTTURE				
TABULATI DI CALCOLO BLOCCO AULE				PAG. 2497 DI 2790				

116	4	910.00	-0.99	6.45	1.07	-4.78	-1.70e-06	0.16
116	4	960.00	-0.99	6.45	1.07	-1.56	0.53	0.27
116	4	1010.00	-0.88	7.86	3.86e-03	-0.46	0.53	0.29
116	4	1060.00	-0.85	8.03	-0.92	-0.25	0.02	0.25
116	14	910.00	-0.75	5.01	1.07	-3.72	-1.23e-06	0.16
116	14	960.00	-0.75	5.01	1.07	-1.21	0.53	0.26
116	14	1010.00	-0.64	6.10	3.42e-03	-0.35	0.54	0.29
116	14	1060.00	-0.59	6.23	-0.92	-0.19	0.02	0.25
116	17	910.00	-1.00	6.27	1.79	-4.37	-1.41e-06	0.26
116	17	960.00	-1.00	6.27	1.79	-1.24	0.90	0.44
116	17	1010.00	-0.91	7.77	4.63e-03	-0.22	0.90	0.48
116	17	1060.00	-0.90	7.96	-1.55	-0.22	0.04	0.41
116	18	910.00	-0.99	6.37	1.79	-4.53	-1.45e-06	0.26
116	18	960.00	-0.99	6.37	1.79	-1.35	0.89	0.44
116	18	1010.00	-0.88	7.84	4.80e-03	-0.29	0.90	0.48
116	18	1060.00	-0.85	8.03	-1.55	-0.23	0.04	0.41
116	68	910.00	-0.75	4.85	0.71	-3.51	-1.22e-06	0.11
116	68	960.00	-0.75	4.85	0.71	-1.09	0.36	0.18
116	68	1010.00	-0.68	5.95	2.61e-03	-0.28	0.36	0.19
116	68	1060.00	-0.67	6.08	-0.61	-0.18	0.02	0.17
116	74	910.00	-0.76	4.74	1.19	-3.24	-1.02e-06	0.17
116	74	960.00	-0.76	4.74	1.19	-0.88	0.60	0.29
116	74	1010.00	-0.70	5.88	3.13e-03	-0.12	0.60	0.32
116	74	1060.00	-0.70	6.03	-1.03	-0.16	0.03	0.27
116	75	910.00	-0.76	4.80	1.19	-3.35	-1.05e-06	0.17
116	75	960.00	-0.76	4.80	1.19	-0.95	0.60	0.29
116	75	1010.00	-0.68	5.93	3.24e-03	-0.17	0.60	0.32
116	75	1060.00	-0.67	6.08	-1.03	-0.16	0.03	0.27
116	81	910.00	-0.70	4.44	-0.37	-2.95	0.0	-0.05
116	81	960.00	-0.70	4.44	-0.37	-0.74	-0.18	-0.09
116	81	1010.00	-0.63	5.49	2.19e-04	-0.05	-0.18	-0.09
116	81	1060.00	-0.66	5.61	0.32	-0.13	-8.49e-03	-0.08
116	99	910.00	-0.72	4.37	-5.35e-03	-2.80	0.0	1.05e-04
116	99	960.00	-0.72	4.37	-5.33e-03	-0.61	-2.67e-03	3.42e-04
116	99	1010.00	-0.66	5.46	6.50e-04	0.05	-2.35e-03	5.62e-04
116	99	1060.00	-0.71	5.59	5.77e-03	-0.13	-2.05e-04	5.15e-04
116	103	910.00	-0.74	4.59	0.23	-3.14	-1.05e-06	0.04
116	103	960.00	-0.74	4.59	0.23	-0.84	0.12	0.06
116	103	1010.00	-0.68	5.68	1.41e-03	-0.12	0.12	0.06
116	103	1060.00	-0.71	5.81	-0.20	-0.15	5.17e-03	0.06
116	106	910.00	-0.72	4.34	-4.95e-03	-2.75	0.0	6.26e-05
116	106	960.00	-0.72	4.34	-4.93e-03	-0.58	-2.47e-03	2.57e-04
116	106	1010.00	-0.67	5.44	6.06e-04	0.07	-2.17e-03	4.54e-04
116	106	1060.00	-0.73	5.58	5.42e-03	-0.12	-1.91e-04	4.15e-04
116	107	910.00	-0.73	4.56	-8.39e-03	-3.13	-1.07e-06	6.05e-04
116	107	960.00	-0.73	4.56	-8.36e-03	-0.85	-4.19e-03	1.22e-03
116	107	1010.00	-0.68	5.64	1.00e-03	-0.12	-3.69e-03	1.56e-03
116	107	1060.00	-0.72	5.77	8.60e-03	-0.15	-3.14e-04	1.38e-03
116	108	910.00	-0.96	20.15	0.09	-27.03	0.02	0.02
116	108	960.00	-0.96	20.15	0.09	-24.75	0.02	0.03
116	108	1010.00	-0.24	21.02	1.51e-03	-17.33	0.05	0.04
116	108	1060.00	1.08	19.35	-0.07	0.11	0.02	0.04
116	111	910.00	-0.51	-11.02	-0.11	20.78	-0.02	-0.02
116	111	960.00	-0.51	-11.02	-0.11	23.06	-0.03	-0.02
116	111	1010.00	-1.12	-9.75	4.93e-04	17.08	-0.06	-0.03
116	111	1060.00	-2.52	-7.82	0.08	-0.42	-0.02	-0.03
116	113	910.00	-0.97	20.20	-0.19	-26.88	-0.05	-5.30e-03
116	113	960.00	-0.97	20.20	-0.19	-24.60	-0.05	-1.76e-03
116	113	1010.00	-0.33	21.17	0.01	-17.24	-0.09	-1.07e-04
116	113	1060.00	0.60	19.50	0.12	0.05	-0.02	-1.31e-03
116	128	910.00	-0.76	14.86	0.46	-18.97	0.12	0.05
116	128	960.00	-0.76	14.86	0.46	-16.69	0.11	0.05
116	128	1010.00	-0.23	15.76	-0.02	-11.51	0.23	0.07
116	128	1060.00	0.60	14.81	-0.31	0.03	0.06	0.08
116	140	910.00	-0.99	22.09	0.11	-30.01	0.03	0.02
116	140	960.00	-0.99	22.09	0.11	-27.73	0.02	0.03
116	140	1010.00	-0.19	22.94	1.58e-03	-19.48	0.05	0.04
116	140	1060.00	1.31	21.04	-0.08	0.15	0.02	0.04
116	143	910.00	-0.48	-12.96	-0.12	23.76	-0.03	-0.02
116	143	960.00	-0.48	-12.96	-0.12	26.04	-0.03	-0.03
116	143	1010.00	-1.17	-11.66	4.25e-04	19.23	-0.06	-0.04
116	143	1060.00	-2.74	-9.51	0.09	-0.46	-0.02	-0.04
116	145	910.00	-1.01	22.15	-0.21	-29.83	-0.05	-6.03e-03
116	145	960.00	-1.01	22.15	-0.21	-27.55	-0.06	-2.13e-03
116	145	1010.00	-0.29	23.10	0.02	-19.37	-0.10	-3.16e-04

116	145	1060.00	0.77	21.20	0.14	0.08	-0.02	-1.65e-03
116	160	910.00	-0.77	16.10	0.52	-20.88	0.13	0.06
116	160	960.00	-0.77	16.10	0.52	-18.60	0.13	0.06
116	160	1010.00	-0.18	16.97	-0.02	-12.88	0.26	0.08
116	160	1060.00	0.76	15.90	-0.35	0.06	0.07	0.09
116	172	910.00	-0.99	21.09	0.11	-28.52	0.03	0.02
116	172	960.00	-0.99	21.09	0.11	-26.24	0.02	0.03
116	172	1010.00	-0.22	21.96	1.12e-03	-18.40	0.05	0.04
116	172	1060.00	1.20	20.18	-0.07	0.14	0.02	0.04
116	175	910.00	-0.48	-11.97	-0.12	22.27	-0.03	-0.02
116	175	960.00	-0.48	-11.97	-0.12	24.55	-0.03	-0.03
116	175	1010.00	-1.14	-10.68	8.82e-04	18.15	-0.06	-0.04
116	175	1060.00	-2.64	-8.64	0.09	-0.45	-0.02	-0.04
116	177	910.00	-1.01	21.16	-0.21	-28.35	-0.05	-6.30e-03
116	177	960.00	-1.01	21.16	-0.21	-26.07	-0.06	-2.55e-03
116	177	1010.00	-0.32	22.12	0.01	-18.30	-0.10	-1.07e-03
116	177	1060.00	0.69	20.34	0.14	0.07	-0.02	-2.42e-03
116	192	910.00	-0.77	15.38	0.51	-19.81	0.13	0.06
116	192	960.00	-0.77	15.38	0.51	-17.53	0.12	0.06
116	192	1010.00	-0.20	16.25	-0.02	-12.11	0.25	0.08
116	192	1060.00	0.69	15.25	-0.34	0.05	0.07	0.09
116	204	910.00	-1.04	23.42	0.13	-32.12	0.03	0.03
116	204	960.00	-1.04	23.42	0.13	-29.84	0.03	0.03
116	204	1010.00	-0.16	24.26	8.60e-04	-20.99	0.06	0.05
116	204	1060.00	1.48	22.20	-0.09	0.18	0.02	0.05
116	207	910.00	-0.43	-14.29	-0.14	25.87	-0.03	-0.02
116	207	960.00	-0.43	-14.29	-0.14	28.15	-0.04	-0.03
116	207	1010.00	-1.20	-12.98	1.14e-03	20.74	-0.07	-0.04
116	207	1060.00	-2.91	-10.67	0.11	-0.49	-0.02	-0.04
116	209	910.00	-1.06	23.49	-0.24	-31.92	-0.06	-7.65e-03
116	209	960.00	-1.06	23.49	-0.24	-29.64	-0.06	-3.41e-03
116	209	1010.00	-0.28	24.45	0.02	-20.87	-0.12	-1.89e-03
116	209	1060.00	0.89	22.40	0.16	0.10	-0.03	-3.46e-03
116	224	910.00	-0.78	16.94	0.59	-22.24	0.15	0.07
116	224	960.00	-0.78	16.94	0.59	-19.96	0.15	0.07
116	224	1010.00	-0.13	17.78	-0.02	-13.85	0.29	0.09
116	224	1060.00	0.90	16.62	-0.40	0.08	0.08	0.10

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-2.91	-14.29	-1.55	-32.12	-0.18	-0.09
	1.48	24.45	1.79	28.15	0.90	0.48

Macro	Tipo	Angolo 1-Z (gradi)
117	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
117	19	700.00	-1.25	-0.16	2.35	-0.52	-0.22	0.02
117	19	752.50	-1.25	-0.16	2.35	-0.61	1.01	0.03
117	19	805.00	-0.43	0.83	1.68	-0.17	1.89	0.03
117	19	857.50	-0.18	0.83	1.02	0.27	2.43	0.02
117	19	910.00	0.08	0.83	0.36	0.70	2.62	4.05e-03
117	19	960.00	-0.17	-0.32	-1.95	0.22	1.64	-0.03
117	19	1010.00	-0.12	-0.37	-1.69	0.11	0.80	-0.04
117	19	1060.00	-0.13	-0.33	-1.59	0.02	0.0	-0.03
117	28	700.00	-2.17	-0.36	-2.83	-1.16	0.32	-0.02
117	28	752.50	-2.17	-0.36	-2.83	-1.34	-1.17	-0.03
117	28	805.00	-1.02	1.92	-2.04	-0.34	-2.23	-0.03
117	28	857.50	-0.70	1.92	-1.24	0.67	-2.89	-0.02
117	28	910.00	-0.37	1.92	-0.45	1.68	-3.12	-6.31e-03
117	28	960.00	-0.66	-0.61	2.32	0.58	-1.96	0.03
117	28	1010.00	-0.45	-0.64	2.02	0.32	-0.95	0.04
117	28	1060.00	-0.30	-0.53	1.91	0.11	0.0	0.04
117	35	700.00	-2.21	-0.35	-2.83	-1.12	0.32	-0.02
117	35	752.50	-2.21	-0.35	-2.83	-1.31	-1.17	-0.03
117	35	805.00	-1.05	1.84	-2.04	-0.35	-2.24	-0.03
117	35	857.50	-0.73	1.84	-1.24	0.62	-2.89	-0.02
117	35	910.00	-0.40	1.84	-0.45	1.58	-3.12	-6.27e-03
117	35	960.00	-0.66	-0.60	2.32	0.54	-1.96	0.03
117	35	1010.00	-0.45	-0.65	2.02	0.29	-0.95	0.04
117	35	1060.00	-0.30	-0.54	1.91	0.09	0.0	0.04
117	45	700.00	-1.45	-0.18	-4.71	-0.59	0.50	-0.03

117	45	752.50	-1.45	-0.18	-4.71	-0.68	-1.97	-0.05
117	45	805.00	-0.56	0.89	-3.38	-0.21	-3.75	-0.05
117	45	857.50	-0.31	0.89	-2.06	0.26	-4.83	-0.04
117	45	910.00	-0.06	0.89	-0.74	0.72	-5.22	-9.42e-03
117	45	960.00	-0.27	-0.39	3.88	0.21	-3.28	0.05
117	45	1010.00	-0.18	-0.50	3.38	0.08	-1.59	0.07
117	45	1060.00	-0.15	-0.48	3.18	-0.02	0.0	0.06
117	72	700.00	-1.30	-0.17	1.56	-0.55	-0.14	0.01
117	72	752.50	-1.30	-0.17	1.56	-0.64	0.68	0.02
117	72	805.00	-0.47	0.88	1.12	-0.18	1.27	0.02
117	72	857.50	-0.22	0.88	0.68	0.28	1.62	0.01
117	72	910.00	0.03	0.88	0.24	0.74	1.75	2.53e-03
117	72	960.00	-0.21	-0.33	-1.30	0.24	1.10	-0.02
117	72	1010.00	-0.15	-0.39	-1.13	0.12	0.53	-0.02
117	72	1060.00	-0.14	-0.34	-1.06	0.02	0.0	-0.02
117	80	700.00	-1.62	-0.26	-1.89	-0.83	0.22	-0.01
117	80	752.50	-1.62	-0.26	-1.89	-0.97	-0.78	-0.02
117	80	805.00	-0.74	1.38	-1.36	-0.25	-1.49	-0.02
117	80	857.50	-0.49	1.38	-0.83	0.48	-1.92	-0.02
117	80	910.00	-0.24	1.38	-0.30	1.20	-2.08	-4.26e-03
117	80	960.00	-0.46	-0.45	1.54	0.41	-1.31	0.02
117	80	1010.00	-0.31	-0.48	1.35	0.22	-0.64	0.03
117	80	1060.00	-0.22	-0.40	1.27	0.07	0.0	0.03
117	83	700.00	-1.64	-0.25	-1.89	-0.81	0.21	-0.01
117	83	752.50	-1.64	-0.25	-1.89	-0.94	-0.78	-0.02
117	83	805.00	-0.76	1.32	-1.36	-0.25	-1.49	-0.02
117	83	857.50	-0.51	1.32	-0.83	0.44	-1.92	-0.02
117	83	910.00	-0.26	1.32	-0.30	1.13	-2.08	-4.23e-03
117	83	960.00	-0.46	-0.44	1.54	0.38	-1.31	0.02
117	83	1010.00	-0.31	-0.48	1.35	0.20	-0.64	0.03
117	83	1060.00	-0.21	-0.41	1.27	0.06	0.0	0.03
117	85	700.00	-1.43	-0.18	-3.14	-0.59	0.34	-0.02
117	85	752.50	-1.43	-0.18	-3.14	-0.69	-1.31	-0.03
117	85	805.00	-0.56	0.92	-2.26	-0.21	-2.50	-0.03
117	85	857.50	-0.31	0.92	-1.37	0.27	-3.22	-0.03
117	85	910.00	-0.06	0.92	-0.49	0.76	-3.48	-6.45e-03
117	85	960.00	-0.27	-0.38	2.58	0.23	-2.19	0.03
117	85	1010.00	-0.19	-0.48	2.25	0.10	-1.06	0.05
117	85	1060.00	-0.16	-0.45	2.12	-3.20e-03	0.0	0.04
117	98	700.00	-1.48	-0.22	-6.31e-03	-0.71	0.02	2.68e-03
117	98	752.50	-1.48	-0.22	-6.31e-03	-0.83	0.02	7.63e-04
117	98	805.00	-0.62	1.18	-6.31e-03	-0.21	0.01	1.05e-06
117	98	857.50	-0.36	1.18	-6.31e-03	0.41	0.01	-3.59e-04
117	98	910.00	-0.11	1.18	-6.31e-03	1.03	7.53e-03	-5.88e-04
117	98	960.00	-0.35	-0.40	-8.75e-03	0.35	3.15e-03	-8.21e-04
117	98	1010.00	-0.24	-0.43	-5.62e-03	0.19	3.44e-04	-8.17e-04
117	98	1060.00	-0.18	-0.36	-6.87e-04	0.06	0.0	-6.84e-04
117	101	700.00	-1.49	-0.22	-6.16e-03	-0.71	0.02	2.64e-03
117	101	752.50	-1.49	-0.22	-6.16e-03	-0.83	0.02	7.60e-04
117	101	805.00	-0.63	1.16	-6.16e-03	-0.22	0.01	1.05e-05
117	101	857.50	-0.37	1.16	-6.16e-03	0.40	0.01	-3.47e-04
117	101	910.00	-0.12	1.16	-6.16e-03	1.01	7.47e-03	-5.81e-04
117	101	960.00	-0.36	-0.40	-8.67e-03	0.34	3.13e-03	-8.27e-04
117	101	1010.00	-0.24	-0.43	-5.56e-03	0.18	3.49e-04	-8.24e-04
117	101	1060.00	-0.18	-0.37	-6.97e-04	0.05	0.0	-6.89e-04
117	102	700.00	-1.36	-0.17	0.31	-0.57	-0.02	4.61e-03
117	102	752.50	-1.36	-0.17	0.31	-0.66	0.15	3.99e-03
117	102	805.00	-0.51	0.89	0.22	-0.19	0.26	3.44e-03
117	102	857.50	-0.26	0.89	0.13	0.28	0.33	2.37e-03
117	102	910.00	-7.46e-03	0.89	0.04	0.75	0.35	1.34e-04
117	102	960.00	-0.24	-0.35	-0.27	0.24	0.22	-4.19e-03
117	102	1010.00	-0.16	-0.41	-0.23	0.11	0.11	-5.42e-03
117	102	1060.00	-0.15	-0.37	-0.21	0.01	0.0	-4.94e-03
117	104	700.00	-1.39	-0.18	-0.63	-0.58	0.08	-2.72e-03
117	104	752.50	-1.39	-0.18	-0.63	-0.67	-0.25	-6.03e-03
117	104	805.00	-0.53	0.90	-0.46	-0.19	-0.49	-6.78e-03
117	104	857.50	-0.28	0.90	-0.28	0.28	-0.64	-5.52e-03
117	104	910.00	-0.03	0.90	-0.10	0.75	-0.69	-1.66e-03
117	104	960.00	-0.25	-0.36	0.51	0.24	-0.44	6.30e-03
117	104	1010.00	-0.17	-0.43	0.45	0.11	-0.21	8.76e-03
117	104	1060.00	-0.15	-0.39	0.42	9.94e-03	0.0	8.15e-03
117	106	700.00	-1.37	-0.17	-4.89e-03	-0.57	0.02	2.16e-03
117	106	752.50	-1.37	-0.17	-4.89e-03	-0.66	0.01	6.43e-04
117	106	805.00	-0.52	0.90	-4.89e-03	-0.19	0.01	3.52e-05
117	106	857.50	-0.27	0.90	-4.89e-03	0.28	8.50e-03	-2.60e-04

117	106	910.00	-0.02	0.90	-4.89e-03	0.75	5.93e-03	-4.66e-04
117	106	960.00	-0.24	-0.35	-6.87e-03	0.24	2.49e-03	-6.95e-04
117	106	1010.00	-0.17	-0.42	-4.40e-03	0.11	2.94e-04	-6.94e-04
117	106	1060.00	-0.15	-0.38	-5.89e-04	0.01	0.0	-5.79e-04
117	107	700.00	-1.46	-0.21	-6.11e-03	-0.69	0.02	2.60e-03
117	107	752.50	-1.46	-0.21	-6.11e-03	-0.81	0.02	7.46e-04
117	107	805.00	-0.60	1.14	-6.11e-03	-0.21	0.01	5.92e-06
117	107	857.50	-0.35	1.14	-6.11e-03	0.39	0.01	-3.45e-04
117	107	910.00	-0.10	1.14	-6.11e-03	0.99	7.30e-03	-5.71e-04
117	107	960.00	-0.34	-0.39	-8.48e-03	0.33	3.06e-03	-8.03e-04
117	107	1010.00	-0.23	-0.43	-5.44e-03	0.18	3.37e-04	-7.99e-04
117	107	1060.00	-0.18	-0.37	-6.73e-04	0.05	0.0	-6.69e-04
117	109	700.00	-7.18	-1.91	-0.19	-5.28	-0.02	5.31e-03
117	109	752.50	-7.18	-1.91	-0.19	-5.40	-0.02	3.34e-03
117	109	805.00	-6.13	11.33	-0.17	-2.61	-0.12	2.40e-03
117	109	857.50	-5.90	11.24	-0.14	3.26	-0.20	1.94e-03
117	109	910.00	-5.64	11.13	-0.10	9.04	-0.27	1.82e-03
117	109	960.00	-3.64	-2.37	0.21	3.67	-0.25	1.99e-03
117	109	1010.00	-2.59	-1.58	0.17	2.52	-0.14	1.73e-03
117	109	1060.00	-1.54	-0.89	0.17	1.16	-0.05	1.53e-03
117	112	700.00	-6.69	-1.92	0.18	-5.29	0.04	0.01
117	112	752.50	-6.69	-1.92	0.18	-5.40	0.04	0.01
117	112	805.00	-6.17	11.34	0.15	-2.61	0.12	0.01
117	112	857.50	-5.97	11.25	0.12	3.25	0.19	0.01
117	112	910.00	-5.70	11.14	0.09	9.04	0.23	4.28e-03
117	112	960.00	-3.67	-2.37	-0.23	3.67	0.20	-6.60e-03
117	112	1010.00	-2.61	-1.58	-0.17	2.52	0.11	-0.01
117	112	1060.00	-1.55	-0.81	-0.16	1.16	0.04	-0.01
117	115	700.00	3.77	1.49	-0.19	3.90	-2.34e-03	-7.33e-03
117	115	752.50	3.77	1.49	-0.19	3.79	-5.55e-03	-0.01
117	115	805.00	4.96	-9.06	-0.16	2.19	-0.10	-0.01
117	115	857.50	5.27	-8.97	-0.13	-2.48	-0.17	-0.01
117	115	910.00	5.50	-8.86	-0.10	-7.07	-0.22	-5.42e-03
117	115	960.00	3.00	1.58	0.21	-3.01	-0.19	4.99e-03
117	115	1010.00	2.15	0.73	0.16	-2.17	-0.11	9.43e-03
117	115	1060.00	1.20	0.08	0.16	-1.06	-0.04	0.01
117	124	700.00	-1.37	-0.17	0.62	-0.58	0.12	0.02
117	124	752.50	-1.37	-0.17	0.62	-0.69	0.12	0.02
117	124	805.00	-0.51	0.88	0.52	-0.15	0.42	0.02
117	124	857.50	-0.31	0.89	0.42	0.30	0.67	0.02
117	124	910.00	-0.05	0.90	0.32	0.78	0.86	5.86e-03
117	124	960.00	-0.29	-0.33	-0.75	0.25	0.75	-0.02
117	124	1010.00	-0.20	-0.38	-0.59	0.12	0.42	-0.03
117	124	1060.00	-0.16	-0.34	-0.56	0.02	0.14	-0.03
117	141	700.00	-7.91	-2.13	-0.22	-5.86	-0.02	5.65e-03
117	141	752.50	-7.91	-2.13	-0.22	-5.98	-0.03	3.66e-03
117	141	805.00	-6.84	12.63	-0.19	-2.91	-0.13	2.70e-03
117	141	857.50	-6.61	12.52	-0.15	3.62	-0.23	2.23e-03
117	141	910.00	-6.35	12.40	-0.11	10.06	-0.31	2.12e-03
117	141	960.00	-4.06	-2.62	0.24	4.10	-0.28	2.33e-03
117	141	1010.00	-2.89	-1.73	0.19	2.82	-0.16	2.04e-03
117	141	1060.00	-1.71	-0.95	0.19	1.30	-0.05	1.80e-03
117	144	700.00	-7.36	-2.13	0.20	-5.87	0.05	0.01
117	144	752.50	-7.36	-2.13	0.20	-5.98	0.04	0.01
117	144	805.00	-6.88	12.64	0.17	-2.92	0.14	0.01
117	144	857.50	-6.68	12.53	0.13	3.62	0.21	0.01
117	144	910.00	-6.41	12.41	0.10	10.07	0.26	4.88e-03
117	144	960.00	-4.10	-2.62	-0.26	4.10	0.22	-7.32e-03
117	144	1010.00	-2.91	-1.73	-0.19	2.82	0.12	-0.01
117	144	1060.00	-1.73	-0.87	-0.18	1.30	0.04	-0.01
117	147	700.00	4.43	1.70	-0.21	4.48	-5.13e-03	-8.57e-03
117	147	752.50	4.43	1.70	-0.21	4.37	-8.34e-03	-0.01
117	147	805.00	5.67	-10.36	-0.18	2.50	-0.11	-0.01
117	147	857.50	5.98	-10.25	-0.14	-2.84	-0.19	-0.01
117	147	910.00	6.21	-10.13	-0.12	-8.09	-0.25	-6.02e-03
117	147	960.00	3.42	1.84	0.24	-3.43	-0.22	5.71e-03
117	147	1010.00	2.45	0.87	0.18	-2.47	-0.12	0.01
117	147	1060.00	1.37	0.14	0.18	-1.20	-0.04	0.01
117	156	700.00	-1.36	-0.17	0.70	-0.56	0.13	0.02
117	156	752.50	-1.36	-0.17	0.70	-0.68	0.13	0.02
117	156	805.00	-0.49	0.83	0.59	-0.14	0.47	0.03
117	156	857.50	-0.30	0.85	0.48	0.28	0.75	0.02
117	156	910.00	-0.03	0.86	0.36	0.74	0.96	6.67e-03
117	156	960.00	-0.28	-0.32	-0.84	0.23	0.84	-0.02
117	156	1010.00	-0.19	-0.37	-0.66	0.11	0.47	-0.03

117	156	1060.00	-0.15	-0.33	-0.63	0.02	0.16	-0.03
117	173	700.00	-7.96	-2.14	-0.21	-5.87	-0.02	5.38e-03
117	173	752.50	-7.96	-2.14	-0.21	-5.98	-0.03	3.37e-03
117	173	805.00	-6.89	12.67	-0.18	-2.91	-0.13	2.40e-03
117	173	857.50	-6.66	12.56	-0.15	3.64	-0.22	1.96e-03
117	173	910.00	-6.40	12.44	-0.11	10.10	-0.30	1.96e-03
117	173	960.00	-4.09	-2.63	0.23	4.11	-0.27	2.35e-03
117	173	1010.00	-2.91	-1.73	0.19	2.83	-0.15	2.13e-03
117	173	1060.00	-1.72	-0.96	0.18	1.30	-0.05	1.92e-03
117	176	700.00	-7.39	-2.14	0.19	-5.88	0.05	0.01
117	176	752.50	-7.39	-2.14	0.19	-5.99	0.04	0.01
117	176	805.00	-6.92	12.68	0.16	-2.92	0.14	0.01
117	176	857.50	-6.72	12.57	0.13	3.64	0.21	0.01
117	176	910.00	-6.45	12.46	0.10	10.11	0.26	4.65e-03
117	176	960.00	-4.12	-2.63	-0.25	4.12	0.22	-7.11e-03
117	176	1010.00	-2.93	-1.73	-0.19	2.84	0.12	-0.01
117	176	1060.00	-1.73	-0.87	-0.18	1.30	0.04	-0.01
117	179	700.00	4.47	1.71	-0.21	4.49	-4.89e-03	-8.12e-03
117	179	752.50	4.47	1.71	-0.21	4.38	-8.10e-03	-0.01
117	179	805.00	5.72	-10.41	-0.18	2.50	-0.11	-0.01
117	179	857.50	6.02	-10.29	-0.14	-2.86	-0.19	-0.01
117	179	910.00	6.25	-10.18	-0.11	-8.14	-0.24	-5.79e-03
117	179	960.00	3.44	1.85	0.23	-3.45	-0.21	5.51e-03
117	179	1010.00	2.47	0.88	0.18	-2.49	-0.12	0.01
117	179	1060.00	1.38	0.14	0.18	-1.20	-0.04	0.01
117	188	700.00	-1.30	-0.16	0.68	-0.54	0.13	0.02
117	188	752.50	-1.30	-0.16	0.68	-0.65	0.13	0.02
117	188	805.00	-0.44	0.78	0.58	-0.13	0.46	0.02
117	188	857.50	-0.25	0.79	0.47	0.27	0.73	0.02
117	188	910.00	0.02	0.80	0.35	0.70	0.95	6.55e-03
117	188	960.00	-0.25	-0.31	-0.83	0.21	0.83	-0.02
117	188	1010.00	-0.17	-0.36	-0.65	0.09	0.46	-0.03
117	188	1060.00	-0.14	-0.33	-0.62	0.01	0.15	-0.03
117	213	700.00	-9.20	-2.50	-0.25	-6.85	-0.02	-0.01
117	213	752.50	-9.20	-2.50	-0.25	-6.96	-0.02	-0.02
117	213	805.00	-8.09	14.90	-0.21	-3.41	-0.15	-0.02
117	213	857.50	-7.85	14.70	-0.17	4.27	-0.26	-0.02
117	213	910.00	-7.60	14.50	-0.13	11.82	-0.32	-7.86e-03
117	213	960.00	-4.80	-3.11	0.27	4.82	-0.29	2.94e-03
117	213	1010.00	-3.42	-2.10	0.22	3.33	-0.18	3.08e-03
117	213	1060.00	-2.02	-1.24	0.21	1.54	-0.06	2.89e-03
117	216	700.00	-8.51	-2.51	0.23	-6.86	0.06	-2.94e-03
117	216	752.50	-8.51	-2.51	0.23	-6.98	0.06	-4.91e-03
117	216	805.00	-8.12	14.92	0.19	-3.41	0.16	-5.49e-03
117	216	857.50	-7.92	14.73	0.15	4.27	0.24	-5.38e-03
117	216	910.00	-7.65	14.52	0.12	11.84	0.33	-4.73e-03
117	216	960.00	-4.83	-3.11	-0.29	4.82	0.28	-8.05e-03
117	216	1010.00	-3.44	-2.11	-0.22	3.33	0.14	-0.01
117	216	1060.00	-2.03	-1.14	-0.21	1.54	0.05	-0.01
117	219	700.00	5.59	2.08	-0.24	5.48	-0.02	8.15e-03
117	219	752.50	5.59	2.08	-0.24	5.36	-0.02	6.40e-03
117	219	805.00	6.91	-12.64	-0.20	3.00	-0.13	5.50e-03
117	219	857.50	7.22	-12.45	-0.16	-3.49	-0.22	4.69e-03
117	219	910.00	7.45	-12.25	-0.13	-9.86	-0.31	3.59e-03
117	219	960.00	4.16	2.33	0.27	-4.16	-0.28	6.45e-03
117	219	1010.00	2.98	1.25	0.21	-2.98	-0.14	0.01
117	219	1060.00	1.67	0.41	0.21	-1.44	-0.05	0.01
117	220	700.00	-1.24	-0.14	0.80	-0.48	0.15	0.02
117	220	752.50	-1.24	-0.14	0.80	-0.60	0.15	0.03
117	220	805.00	-0.38	0.66	0.67	-0.10	0.53	0.03
117	220	857.50	-0.19	0.68	0.54	0.24	0.85	0.02
117	220	910.00	0.08	0.70	0.41	0.61	1.10	7.72e-03
117	220	960.00	-0.21	-0.29	-0.96	0.18	0.96	-0.02
117	220	1010.00	-0.14	-0.35	-0.75	0.07	0.54	-0.03
117	220	1060.00	-0.12	-0.32	-0.72	-1.28e-03	0.18	-0.04
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-9.20	-12.64	-4.71	-9.86	-5.22	-0.05
			7.45	14.92	3.88	11.84	2.62	0.07

Macro	Tipo	Angolo 1-Z (gradi)
118	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
118	3	700.00	9.50	-1.20	-0.96	-5.12	0.67	-1.12e-03
118	3	752.50	6.38	-1.25	-0.18	-3.89	0.37	0.03
118	3	805.00	3.69	-1.16	0.04	-2.49	0.27	0.02
118	3	857.50	1.01	-1.11	0.14	-1.08	0.25	9.59e-03
118	3	910.00	-1.56	-1.00	0.23	0.30	0.28	-6.10e-03
118	3	960.00	-3.11	-3.84	0.03	0.45	0.21	-0.03
118	3	1010.00	-3.81	-4.14	-0.05	0.77	0.12	-0.04
118	3	1060.00	-2.04	-4.05	-0.27	-0.10	0.0	-0.04
118	27	700.00	8.11	-1.02	-1.53	-4.84	0.57	-0.14
118	27	752.50	5.06	-1.12	-0.99	-3.58	-0.09	-0.08
118	27	805.00	2.60	-0.90	-0.62	-2.06	-0.34	-0.06
118	27	857.50	0.05	-1.14	-0.59	-0.66	-0.51	-0.03
118	27	910.00	-2.49	-1.39	-0.60	0.59	-0.69	-5.34e-04
118	27	960.00	-3.79	-3.97	0.04	0.65	-0.55	0.06
118	27	1010.00	-4.25	-4.20	0.21	0.88	-0.33	0.08
118	27	1060.00	-2.37	-3.97	0.70	5.09e-03	0.0	0.08
118	33	700.00	-0.08	-1.01	-1.27	-1.85	0.42	-0.13
118	33	752.50	-2.49	-1.06	-0.88	-0.95	-0.15	-0.08
118	33	805.00	-4.41	-0.99	-0.57	0.06	-0.37	-0.06
118	33	857.50	-6.25	-1.21	-0.56	0.99	-0.52	-0.03
118	33	910.00	-8.04	-1.49	-0.58	1.75	-0.68	-3.91e-05
118	33	960.00	-7.87	-3.43	0.04	1.56	-0.53	0.06
118	33	1010.00	-7.37	-3.41	0.20	1.68	-0.32	0.08
118	33	1060.00	-4.83	-3.04	0.68	0.93	0.0	0.09
118	44	700.00	4.73	-0.93	-1.72	-3.79	0.49	-0.20
118	44	752.50	1.88	-1.03	-1.32	-2.59	-0.31	-0.14
118	44	805.00	-0.32	-0.75	-0.90	-1.13	-0.62	-0.09
118	44	857.50	-2.62	-1.12	-0.91	0.16	-0.85	-0.05
118	44	910.00	-4.94	-1.54	-0.97	1.25	-1.11	2.07e-03
118	44	960.00	-5.69	-3.84	0.04	1.17	-0.88	0.09
118	44	1010.00	-5.76	-3.95	0.32	1.34	-0.53	0.13
118	44	1060.00	-3.60	-3.59	1.12	0.51	0.0	0.14
118	67	700.00	6.46	-0.92	-0.71	-3.57	0.48	-3.55e-03
118	67	752.50	4.16	-0.95	-0.15	-2.69	0.26	0.02
118	67	805.00	2.18	-0.95	0.02	-1.71	0.18	0.02
118	67	857.50	0.24	-0.92	0.09	-0.73	0.17	6.11e-03
118	67	910.00	-1.63	-0.85	0.15	0.23	0.18	-4.43e-03
118	67	960.00	-2.62	-2.92	0.02	0.32	0.14	-0.02
118	67	1010.00	-3.01	-3.13	-0.03	0.54	0.08	-0.03
118	67	1060.00	-1.59	-3.06	-0.18	-0.11	0.0	-0.03
118	79	700.00	5.53	-0.80	-1.09	-3.39	0.42	-0.10
118	79	752.50	3.29	-0.87	-0.68	-2.48	-0.05	-0.06
118	79	805.00	1.46	-0.77	-0.42	-1.43	-0.23	-0.04
118	79	857.50	-0.41	-0.94	-0.40	-0.45	-0.34	-0.02
118	79	910.00	-2.25	-1.11	-0.40	0.42	-0.46	-7.20e-04
118	79	960.00	-3.07	-3.01	0.03	0.45	-0.37	0.04
118	79	1010.00	-3.30	-3.17	0.14	0.61	-0.22	0.05
118	79	1060.00	-1.81	-3.01	0.47	-0.04	0.0	0.06
118	81	700.00	0.07	-0.80	-0.92	-1.39	0.31	-0.09
118	81	752.50	-1.75	-0.83	-0.62	-0.73	-0.09	-0.06
118	81	805.00	-3.22	-0.83	-0.39	-0.01	-0.24	-0.04
118	81	857.50	-4.61	-0.99	-0.38	0.65	-0.35	-0.02
118	81	910.00	-5.95	-1.18	-0.39	1.19	-0.46	-3.90e-04
118	81	960.00	-5.79	-2.65	0.03	1.06	-0.36	0.04
118	81	1010.00	-5.38	-2.64	0.13	1.15	-0.21	0.05
118	81	1060.00	-3.46	-2.39	0.45	0.58	0.0	0.06
118	88	700.00	3.28	-0.74	-1.21	-2.68	0.36	-0.14
118	88	752.50	1.17	-0.81	-0.91	-1.82	-0.19	-0.09
118	88	805.00	-0.49	-0.67	-0.61	-0.81	-0.41	-0.06
118	88	857.50	-2.19	-0.92	-0.61	0.10	-0.57	-0.03
118	88	910.00	-3.88	-1.21	-0.65	0.86	-0.75	1.02e-03
118	88	960.00	-4.34	-2.92	0.03	0.81	-0.59	0.06
118	88	1010.00	-4.31	-3.00	0.22	0.92	-0.35	0.09
118	88	1060.00	-2.63	-2.75	0.75	0.29	0.0	0.09
118	98	700.00	4.81	-0.89	-0.77	-2.95	0.42	-0.03
118	98	752.50	2.69	-0.92	-0.30	-2.15	0.14	-3.58e-03
118	98	805.00	0.87	-0.97	-0.12	-1.29	0.04	-2.23e-03
118	98	857.50	-0.88	-1.00	-0.07	-0.45	-4.07e-03	-2.71e-03
118	98	910.00	-2.57	-1.02	-0.03	0.34	-0.03	-3.08e-03
118	98	960.00	-3.21	-2.87	0.02	0.39	-0.03	5.81e-04
118	98	1010.00	-3.35	-3.03	0.03	0.55	-0.02	6.42e-04

118	98	1060.00	-1.81	-2.93	0.03	-0.08	0.0	-8.65e-04
118	99	700.00	1.70	-0.91	-0.63	-1.69	0.34	-0.03
118	99	752.50	-0.10	-0.91	-0.25	-1.08	0.11	-3.38e-03
118	99	805.00	-1.67	-1.11	-0.09	-0.52	0.03	-2.15e-03
118	99	857.50	-3.09	-1.14	-0.05	0.04	-6.44e-03	-2.41e-03
118	99	910.00	-4.43	-1.18	-0.02	0.54	-0.03	-2.85e-03
118	99	960.00	-4.41	-2.70	0.02	0.52	-0.02	5.56e-04
118	99	1010.00	-4.11	-2.77	0.02	0.61	-0.01	1.06e-03
118	99	1060.00	-2.34	-2.65	0.02	0.04	0.0	-2.18e-05
118	105	700.00	4.24	-0.87	-0.83	-2.75	0.39	-0.05
118	105	752.50	2.18	-0.90	-0.41	-1.97	0.07	-0.02
118	105	805.00	0.43	-0.96	-0.21	-1.14	-0.05	-0.01
118	105	857.50	-1.27	-1.03	-0.17	-0.34	-0.12	-8.64e-03
118	105	910.00	-2.91	-1.11	-0.15	0.39	-0.17	-2.23e-03
118	105	960.00	-3.43	-2.88	0.02	0.41	-0.14	0.01
118	105	1010.00	-3.47	-3.02	0.06	0.55	-0.08	0.02
118	105	1060.00	-1.89	-2.89	0.18	-0.07	0.0	0.02
118	106	700.00	1.99	-0.92	-0.62	-1.74	0.33	-0.03
118	106	752.50	0.20	-0.92	-0.24	-1.14	0.10	-3.30e-03
118	106	805.00	-1.38	-1.16	-0.09	-0.61	0.03	-2.08e-03
118	106	857.50	-2.80	-1.19	-0.05	-0.07	-6.65e-03	-2.37e-03
118	106	910.00	-4.14	-1.23	-0.02	0.41	-0.03	-2.86e-03
118	106	960.00	-4.13	-2.73	0.02	0.40	-0.02	4.96e-04
118	106	1010.00	-3.83	-2.82	0.02	0.48	-0.01	1.01e-03
118	106	1060.00	-2.10	-2.71	0.02	-0.09	0.0	-4.37e-05
118	107	700.00	4.41	-0.89	-0.75	-2.77	0.41	-0.03
118	107	752.50	2.33	-0.92	-0.29	-2.01	0.13	-3.54e-03
118	107	805.00	0.55	-0.99	-0.11	-1.20	0.04	-2.21e-03
118	107	857.50	-1.16	-1.02	-0.06	-0.40	-4.44e-03	-2.66e-03
118	107	910.00	-2.80	-1.05	-0.03	0.35	-0.03	-3.05e-03
118	107	960.00	-3.34	-2.85	0.02	0.39	-0.03	5.69e-04
118	107	1010.00	-3.42	-3.00	0.02	0.54	-0.02	6.95e-04
118	107	1060.00	-1.85	-2.90	0.03	-0.08	0.0	-7.48e-04
118	112	700.00	14.24	1.44	-0.51	1.30	0.49	-0.03
118	112	752.50	12.16	1.42	-0.05	2.07	0.22	1.15e-03
118	112	805.00	17.49	12.15	-0.19	6.14	0.17	-0.01
118	112	857.50	18.92	11.64	-0.26	11.57	0.04	-0.01
118	112	910.00	21.86	11.10	-0.16	17.22	-0.05	-0.02
118	112	960.00	9.16	-10.54	0.14	9.56	-0.05	3.72e-03
118	112	1010.00	5.63	-12.70	0.09	7.00	1.06e-03	1.74e-03
118	112	1060.00	2.82	-11.94	-0.02	3.20	0.02	-2.33e-03
118	115	700.00	-5.42	-3.23	-0.99	-6.85	0.32	-0.04
118	115	752.50	-7.50	-3.26	-0.53	-6.08	0.05	-8.24e-03
118	115	805.00	-16.39	-14.13	-0.03	-8.53	-0.09	6.14e-03
118	115	857.50	-21.23	-13.69	0.13	-12.36	-0.05	9.47e-03
118	115	910.00	-27.46	-13.20	0.10	-16.52	-8.44e-03	0.01
118	115	960.00	-15.85	4.84	-0.09	-8.78	-6.91e-04	-2.59e-03
118	115	1010.00	-12.47	6.69	-0.04	-5.92	-0.03	-3.49e-04
118	115	1060.00	-6.53	6.15	0.09	-3.37	-0.02	8.37e-04
118	131	700.00	-2.90	-1.09	-0.79	-0.13	0.22	-0.05
118	131	752.50	-4.98	-1.11	-0.34	0.64	-0.05	-0.03
118	131	805.00	-9.02	-0.47	-0.15	-0.04	-0.17	-0.02
118	131	857.50	-7.27	-0.48	-0.12	0.55	-0.22	-0.01
118	131	910.00	-6.10	-0.49	-0.15	1.62	-0.28	8.27e-04
118	131	960.00	-4.29	0.34	0.13	1.15	-0.28	0.02
118	131	1010.00	-3.95	0.94	0.19	1.06	-0.20	0.03
118	131	1060.00	-2.18	2.84	0.32	0.21	-0.07	0.03
118	144	700.00	15.49	1.74	-0.48	1.82	0.51	-0.03
118	144	752.50	13.41	1.71	-0.02	2.59	0.23	1.73e-03
118	144	805.00	19.65	13.82	-0.20	7.07	0.19	-0.01
118	144	857.50	21.47	13.24	-0.28	13.09	0.05	-0.02
118	144	910.00	25.00	12.65	-0.17	19.36	-0.06	-0.02
118	144	960.00	10.76	-11.52	0.15	10.72	-0.06	4.13e-03
118	144	1010.00	6.78	-13.93	0.10	7.82	3.18e-03	1.88e-03
118	144	1060.00	3.42	-13.09	-0.03	3.62	0.02	-2.52e-03
118	147	700.00	-6.67	-3.53	-1.02	-7.37	0.31	-0.04
118	147	752.50	-8.75	-3.56	-0.56	-6.60	0.03	-8.82e-03
118	147	805.00	-18.54	-15.80	-0.02	-9.46	-0.11	7.22e-03
118	147	857.50	-23.79	-15.29	0.15	-13.89	-0.05	0.01
118	147	910.00	-30.59	-14.75	0.12	-18.67	-5.48e-03	0.01
118	147	960.00	-17.44	5.82	-0.11	-9.95	2.73e-03	-2.99e-03
118	147	1010.00	-13.62	7.93	-0.05	-6.74	-0.04	-4.94e-04
118	147	1060.00	-7.12	7.30	0.09	-3.78	-0.02	1.02e-03
118	163	700.00	-3.82	-1.11	-0.80	0.20	0.19	-0.05
118	163	752.50	-5.90	-1.14	-0.34	0.97	-0.08	-0.04

118	163	805.00	-10.24	-0.41	-0.15	0.10	-0.19	-0.03
118	163	857.50	-8.06	-0.42	-0.13	0.66	-0.25	-0.02
118	163	910.00	-6.53	-0.42	-0.17	1.77	-0.31	1.34e-03
118	163	960.00	-4.42	0.75	0.15	1.24	-0.31	0.02
118	163	1010.00	-4.03	1.45	0.21	1.13	-0.23	0.03
118	163	1060.00	-2.22	3.59	0.36	0.25	-0.08	0.03
118	176	700.00	15.65	1.75	-0.48	1.79	0.51	-0.03
118	176	752.50	13.57	1.73	-0.03	2.55	0.23	1.59e-03
118	176	805.00	19.77	13.84	-0.20	7.13	0.19	-0.01
118	176	857.50	21.60	13.27	-0.28	13.20	0.05	-0.02
118	176	910.00	25.06	12.67	-0.18	19.47	-0.06	-0.02
118	176	960.00	10.84	-11.59	0.16	10.78	-0.06	3.99e-03
118	176	1010.00	6.84	-14.00	0.10	7.86	2.17e-03	1.80e-03
118	176	1060.00	3.45	-13.16	-0.03	3.65	0.02	-2.64e-03
118	179	700.00	-6.83	-3.54	-1.01	-7.33	0.31	-0.04
118	179	752.50	-8.91	-3.57	-0.56	-6.57	0.03	-8.68e-03
118	179	805.00	-18.66	-15.83	-0.02	-9.52	-0.11	7.34e-03
118	179	857.50	-23.91	-15.32	0.15	-13.99	-0.05	0.01
118	179	910.00	-30.65	-14.77	0.12	-18.77	-3.69e-03	0.01
118	179	960.00	-17.53	5.89	-0.11	-10.01	4.69e-03	-2.85e-03
118	179	1010.00	-13.68	8.00	-0.05	-6.79	-0.04	-4.14e-04
118	179	1060.00	-7.15	7.37	0.09	-3.81	-0.02	1.15e-03
118	195	700.00	-3.74	-1.12	-0.80	0.15	0.20	-0.05
118	195	752.50	-5.82	-1.15	-0.34	0.92	-0.07	-0.03
118	195	805.00	-10.30	-0.45	-0.15	0.02	-0.19	-0.03
118	195	857.50	-8.13	-0.46	-0.13	0.59	-0.25	-0.02
118	195	910.00	-6.58	-0.47	-0.16	1.71	-0.31	1.46e-03
118	195	960.00	-4.48	0.82	0.15	1.20	-0.30	0.02
118	195	1010.00	-4.08	1.55	0.20	1.10	-0.22	0.03
118	195	1060.00	-2.25	3.69	0.35	0.23	-0.08	0.03
118	216	700.00	18.22	2.32	-0.42	2.44	0.53	-0.03
118	216	752.50	16.15	2.29	0.04	3.21	0.26	4.98e-03
118	216	805.00	23.81	16.80	-0.19	8.63	0.23	-0.01
118	216	857.50	26.22	15.93	-0.31	15.80	0.09	-0.02
118	216	910.00	30.38	15.02	-0.21	23.09	-0.04	-0.03
118	216	960.00	13.67	-13.47	0.16	12.74	-0.04	1.17e-03
118	216	1010.00	8.88	-16.38	0.10	9.24	0.01	-3.11e-03
118	216	1060.00	4.52	-15.50	-0.07	4.34	0.02	-7.94e-03
118	219	700.00	-9.41	-4.11	-1.08	-7.99	0.28	-0.04
118	219	752.50	-11.49	-4.13	-0.62	-7.22	0.01	-0.01
118	219	805.00	-22.70	-18.79	-0.03	-11.02	-0.15	7.81e-03
118	219	857.50	-28.53	-17.98	0.18	-16.59	-0.10	0.01
118	219	910.00	-35.98	-17.12	0.15	-22.39	-0.02	0.02
118	219	960.00	-20.36	7.77	-0.11	-11.96	-7.89e-03	-3.56e-05
118	219	1010.00	-15.72	10.38	-0.05	-8.17	-0.05	4.50e-03
118	219	1060.00	-8.23	9.71	0.13	-4.50	-0.02	6.45e-03
118	227	700.00	-5.11	-1.18	-0.81	0.61	0.16	-0.06
118	227	752.50	-7.19	-1.20	-0.36	1.38	-0.11	-0.04
118	227	805.00	-12.27	-0.41	-0.16	0.15	-0.23	-0.03
118	227	857.50	-9.43	-0.41	-0.14	0.69	-0.28	-0.02
118	227	910.00	-7.34	-0.41	-0.19	1.87	-0.35	2.41e-03
118	227	960.00	-4.75	1.54	0.16	1.30	-0.35	0.02
118	227	1010.00	-4.25	2.45	0.23	1.17	-0.25	0.04
118	227	1060.00	-2.35	4.94	0.40	0.27	-0.09	0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-35.98	-18.79	-1.72	-22.39	-1.11	-0.20
	30.38	16.80	1.12	23.09	0.67	0.14

Macro	Tipo	Angolo 1-Z (gradi)
119	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
119	27	700.00	-1.34	7.92e-03	-2.83	-0.10	0.32	-0.02
119	27	752.50	-1.34	7.92e-03	-2.83	-0.10	-1.16	-0.03
119	27	805.00	-0.23	-2.39e-03	-2.04	-0.10	-2.23	-0.03
119	27	857.50	0.10	-2.39e-03	-1.24	-0.10	-2.88	-0.02
119	27	910.00	0.43	-2.39e-03	-0.45	-0.10	-3.12	-6.47e-03
119	27	960.00	-0.04	-0.26	2.31	-0.12	-1.96	0.03
119	27	1010.00	-0.01	-0.52	2.02	-0.16	-0.95	0.04
119	27	1060.00	-0.08	-0.61	1.91	-0.17	0.0	0.04

119	44	700.00	-1.43	9.63e-04	-4.71	-0.13	0.52	-0.03
119	44	752.50	-1.43	9.63e-04	-4.71	-0.13	-1.96	-0.05
119	44	805.00	-0.30	-1.01e-03	-3.39	-0.13	-3.73	-0.05
119	44	857.50	0.03	-1.01e-03	-2.06	-0.13	-4.82	-0.04
119	44	910.00	0.36	-1.01e-03	-0.74	-0.13	-5.20	-9.94e-03
119	44	960.00	-0.07	-0.28	3.86	-0.14	-3.27	0.05
119	44	1010.00	-0.03	-0.57	3.37	-0.18	-1.59	0.07
119	44	1060.00	-0.09	-0.67	3.18	-0.18	0.0	0.07
119	45	700.00	-1.12	-0.01	-4.71	-0.12	0.50	-0.04
119	45	752.50	-1.12	-0.01	-4.71	-0.13	-1.97	-0.05
119	45	805.00	-0.24	0.04	-3.38	-0.11	-3.74	-0.05
119	45	857.50	0.02	0.04	-2.06	-0.09	-4.82	-0.04
119	45	910.00	0.27	0.04	-0.74	-0.07	-5.21	-9.41e-03
119	45	960.00	-0.03	-0.20	3.87	-0.09	-3.28	0.05
119	45	1010.00	-0.01	-0.39	3.37	-0.12	-1.59	0.07
119	45	1060.00	-0.07	-0.45	3.18	-0.12	0.0	0.07
119	57	700.00	-1.63	-0.04	-6.77e-03	-0.21	0.02	2.66e-03
119	57	752.50	-1.63	-0.04	-6.77e-03	-0.24	0.02	5.46e-04
119	57	805.00	-0.51	0.16	-6.77e-03	-0.15	0.02	-2.98e-04
119	57	857.50	-0.18	0.16	-6.77e-03	-0.07	0.01	-6.78e-04
119	57	910.00	0.15	0.16	-6.77e-03	0.02	9.76e-03	-8.88e-04
119	57	960.00	-0.21	-0.22	-0.01	-0.06	4.25e-03	-1.06e-03
119	57	1010.00	-0.13	-0.40	-6.99e-03	-0.10	7.54e-04	-1.07e-03
119	57	1060.00	-0.14	-0.45	-1.51e-03	-0.11	0.0	-9.30e-04
119	79	700.00	-1.05	6.21e-04	-1.89	-0.09	0.22	-0.01
119	79	752.50	-1.05	6.21e-04	-1.89	-0.09	-0.77	-0.02
119	79	805.00	-0.19	0.02	-1.36	-0.08	-1.49	-0.02
119	79	857.50	0.06	0.02	-0.83	-0.07	-1.92	-0.02
119	79	910.00	0.31	0.02	-0.30	-0.06	-2.08	-4.38e-03
119	79	960.00	-0.04	-0.19	1.54	-0.09	-1.31	0.02
119	79	1010.00	-0.02	-0.38	1.34	-0.11	-0.64	0.03
119	79	1060.00	-0.06	-0.44	1.27	-0.12	0.0	0.03
119	85	700.00	-1.13	-0.02	-3.14	-0.13	0.34	-0.02
119	85	752.50	-1.13	-0.02	-3.14	-0.14	-1.31	-0.03
119	85	805.00	-0.26	0.06	-2.26	-0.10	-2.49	-0.03
119	85	857.50	-3.48e-03	0.06	-1.37	-0.07	-3.21	-0.03
119	85	910.00	0.25	0.06	-0.49	-0.04	-3.47	-6.49e-03
119	85	960.00	-0.05	-0.18	2.58	-0.08	-2.18	0.03
119	85	1010.00	-0.03	-0.35	2.25	-0.10	-1.06	0.05
119	85	1060.00	-0.07	-0.41	2.12	-0.11	0.0	0.04
119	88	700.00	-1.11	-4.02e-03	-3.14	-0.11	0.35	-0.02
119	88	752.50	-1.11	-4.02e-03	-3.14	-0.11	-1.30	-0.03
119	88	805.00	-0.24	0.02	-2.26	-0.10	-2.49	-0.03
119	88	857.50	0.01	0.02	-1.38	-0.09	-3.21	-0.03
119	88	910.00	0.26	0.02	-0.49	-0.08	-3.47	-6.69e-03
119	88	960.00	-0.06	-0.20	2.57	-0.10	-2.18	0.03
119	88	1010.00	-0.03	-0.41	2.24	-0.13	-1.06	0.05
119	88	1060.00	-0.07	-0.48	2.12	-0.13	0.0	0.04
119	93	700.00	-1.24	-0.03	-5.01e-03	-0.16	0.02	1.97e-03
119	93	752.50	-1.24	-0.03	-5.01e-03	-0.18	0.02	4.07e-04
119	93	805.00	-0.38	0.13	-5.01e-03	-0.11	0.01	-2.19e-04
119	93	857.50	-0.13	0.13	-5.01e-03	-0.05	9.84e-03	-5.01e-04
119	93	910.00	0.12	0.13	-5.01e-03	0.02	7.21e-03	-6.56e-04
119	93	960.00	-0.15	-0.16	-8.14e-03	-0.04	3.14e-03	-7.81e-04
119	93	1010.00	-0.09	-0.30	-5.16e-03	-0.07	5.59e-04	-7.91e-04
119	93	1060.00	-0.10	-0.33	-1.12e-03	-0.08	0.0	-6.86e-04
119	99	700.00	-1.17	-0.03	-4.73e-03	-0.15	0.02	1.88e-03
119	99	752.50	-1.17	-0.03	-4.73e-03	-0.16	0.01	3.93e-04
119	99	805.00	-0.32	0.12	-4.73e-03	-0.10	0.01	-1.99e-04
119	99	857.50	-0.06	0.12	-4.73e-03	-0.04	9.18e-03	-4.65e-04
119	99	910.00	0.19	0.12	-4.73e-03	0.03	6.70e-03	-6.08e-04
119	99	960.00	-0.10	-0.15	-7.57e-03	-0.04	2.92e-03	-7.19e-04
119	99	1010.00	-0.06	-0.27	-4.79e-03	-0.06	5.20e-04	-7.28e-04
119	99	1060.00	-0.09	-0.31	-1.04e-03	-0.07	0.0	-6.31e-04
119	104	700.00	-1.15	-0.02	-0.63	-0.14	0.08	-3.20e-03
119	104	752.50	-1.15	-0.02	-0.63	-0.16	-0.25	-6.39e-03
119	104	805.00	-0.29	0.11	-0.45	-0.10	-0.49	-7.08e-03
119	104	857.50	-0.04	0.11	-0.28	-0.04	-0.64	-5.75e-03
119	104	910.00	0.21	0.11	-0.10	0.01	-0.69	-1.77e-03
119	104	960.00	-0.09	-0.16	0.51	-0.04	-0.43	6.41e-03
119	104	1010.00	-0.05	-0.28	0.45	-0.07	-0.21	8.87e-03
119	104	1060.00	-0.08	-0.32	0.42	-0.08	0.0	8.22e-03
119	105	700.00	-1.10	-0.01	-0.63	-0.12	0.09	-2.77e-03
119	105	752.50	-1.10	-0.01	-0.63	-0.12	-0.25	-6.31e-03
119	105	805.00	-0.24	0.07	-0.46	-0.09	-0.49	-7.13e-03

119	105	857.50	9.82e-03	0.07	-0.28	-0.05	-0.63	-5.86e-03
119	105	910.00	0.26	0.07	-0.10	-0.01	-0.69	-1.92e-03
119	105	960.00	-0.07	-0.17	0.51	-0.06	-0.43	6.23e-03
119	105	1010.00	-0.04	-0.32	0.44	-0.09	-0.21	8.69e-03
119	105	1060.00	-0.08	-0.37	0.42	-0.09	0.0	8.06e-03
119	106	700.00	-1.15	-0.03	-4.66e-03	-0.15	0.02	1.85e-03
119	106	752.50	-1.15	-0.03	-4.66e-03	-0.15	0.01	3.89e-04
119	106	805.00	-0.30	0.12	-4.66e-03	-0.10	0.01	-1.94e-04
119	106	857.50	-0.05	0.12	-4.66e-03	-0.04	9.02e-03	-4.55e-04
119	106	910.00	0.20	0.12	-4.66e-03	0.03	6.58e-03	-5.96e-04
119	106	960.00	-0.09	-0.15	-7.43e-03	-0.04	2.86e-03	-7.03e-04
119	106	1010.00	-0.06	-0.27	-4.70e-03	-0.06	5.10e-04	-7.12e-04
119	106	1060.00	-0.09	-0.30	-1.02e-03	-0.07	0.0	-6.18e-04
119	107	700.00	-1.10	-0.01	-5.79e-03	-0.12	0.02	2.28e-03
119	107	752.50	-1.10	-0.01	-5.79e-03	-0.13	0.02	4.76e-04
119	107	805.00	-0.25	0.08	-5.79e-03	-0.08	0.01	-2.45e-04
119	107	857.50	1.05e-03	0.08	-5.79e-03	-0.04	0.01	-5.67e-04
119	107	910.00	0.25	0.08	-5.79e-03	-1.44e-03	8.09e-03	-7.42e-04
119	107	960.00	-0.07	-0.16	-9.16e-03	-0.05	3.51e-03	-8.78e-04
119	107	1010.00	-0.04	-0.30	-5.81e-03	-0.08	6.05e-04	-8.90e-04
119	107	1060.00	-0.08	-0.35	-1.21e-03	-0.09	0.0	-7.72e-04
119	109	700.00	-6.92	-1.59	-0.02	-4.22	-0.05	7.22e-04
119	109	752.50	-6.92	-1.59	-0.02	-4.23	-0.06	-2.69e-03
119	109	805.00	-6.50	9.51	-0.25	-2.03	-0.28	-4.09e-03
119	109	857.50	-6.62	9.41	-0.22	2.54	-0.46	-3.49e-03
119	109	910.00	-5.34	9.31	-0.11	7.58	-0.60	2.59e-04
119	109	960.00	-3.41	-1.84	0.52	3.08	-0.53	8.50e-03
119	109	1010.00	-2.41	-1.21	0.41	2.12	-0.30	0.01
119	109	1060.00	-1.44	-0.85	0.14	0.95	-0.03	8.67e-03
119	110	700.00	4.72	1.57	5.15e-03	3.98	0.09	3.84e-03
119	110	752.50	4.72	1.57	5.15e-03	3.98	0.09	3.64e-03
119	110	805.00	5.99	-9.35	0.24	1.86	0.31	3.60e-03
119	110	857.50	6.62	-9.25	0.21	-2.63	0.48	2.36e-03
119	110	910.00	5.84	-9.15	0.10	-7.58	0.62	-1.74e-03
119	110	960.00	3.27	1.51	-0.54	-3.18	0.54	-0.01
119	110	1010.00	2.33	0.60	-0.42	-2.28	0.30	-0.01
119	110	1060.00	1.29	0.16	-0.14	-1.12	0.03	-0.01
119	112	700.00	-6.92	-1.59	0.36	-4.22	8.77e-03	7.83e-03
119	112	752.50	-6.92	-1.59	0.36	-4.23	5.73e-03	6.12e-03
119	112	805.00	-5.79	9.48	0.06	-2.17	-0.03	5.63e-03
119	112	857.50	-5.63	9.39	0.04	2.73	-0.07	4.52e-03
119	112	910.00	-5.35	9.28	0.08	7.55	-0.09	2.39e-03
119	112	960.00	-3.42	-1.84	0.07	3.07	-0.08	-6.28e-04
119	112	1010.00	-2.42	-1.01	0.06	2.12	-0.05	-2.10e-03
119	112	1060.00	-1.45	-0.70	-0.20	0.95	0.05	-5.61e-03
119	136	700.00	-4.31	-0.90	0.73	-2.44	0.15	0.01
119	136	752.50	-4.31	-0.90	0.73	-2.45	0.15	0.01
119	136	805.00	-3.27	5.37	0.59	-1.28	0.52	0.02
119	136	857.50	-3.15	5.30	0.45	1.52	0.74	0.01
119	136	910.00	-2.84	5.23	0.37	4.23	0.96	1.64e-03
119	136	960.00	-1.94	-1.12	-0.85	1.70	0.85	-0.02
119	136	1010.00	-1.37	-0.18	-0.66	1.15	0.53	-0.03
119	136	1060.00	-0.85	-0.19	-0.70	0.49	0.16	-0.03
119	141	700.00	-7.66	-1.80	-0.02	-4.74	-0.06	5.24e-04
119	141	752.50	-7.66	-1.80	-0.02	-4.75	-0.06	-3.09e-03
119	141	805.00	-7.29	10.70	-0.28	-2.27	-0.31	-4.57e-03
119	141	857.50	-7.46	10.59	-0.24	2.87	-0.52	-3.86e-03
119	141	910.00	-6.05	10.48	-0.12	8.54	-0.68	3.84e-04
119	141	960.00	-3.84	-2.05	0.58	3.47	-0.60	9.66e-03
119	141	1010.00	-2.72	-1.32	0.46	2.40	-0.34	0.01
119	141	1060.00	-1.62	-0.91	0.15	1.08	-0.04	9.84e-03
119	142	700.00	5.46	1.77	6.30e-03	4.50	0.10	4.03e-03
119	142	752.50	5.46	1.77	6.30e-03	4.50	0.10	4.04e-03
119	142	805.00	6.79	-10.55	0.27	2.10	0.34	4.08e-03
119	142	857.50	7.46	-10.43	0.23	-2.96	0.54	2.73e-03
119	142	910.00	6.55	-10.32	0.11	-8.54	0.69	-1.87e-03
119	142	960.00	3.69	1.72	-0.60	-3.58	0.61	-0.01
119	142	1010.00	2.63	0.72	-0.47	-2.56	0.34	-0.01
119	142	1060.00	1.46	0.22	-0.16	-1.25	0.04	-0.01
119	144	700.00	-7.66	-1.79	0.40	-4.74	7.34e-03	8.51e-03
119	144	752.50	-7.66	-1.79	0.40	-4.75	4.30e-03	6.81e-03
119	144	805.00	-6.50	10.68	0.07	-2.43	-0.04	6.35e-03
119	144	857.50	-6.35	10.57	0.05	3.09	-0.07	5.14e-03
119	144	910.00	-6.06	10.45	0.09	8.51	-0.10	2.78e-03
119	144	960.00	-3.85	-2.06	0.08	3.46	-0.09	-5.98e-04

119	144	1010.00	-2.72	-1.10	0.07	2.39	-0.05	-2.25e-03
119	144	1060.00	-1.62	-0.75	-0.22	1.08	0.05	-6.21e-03
119	168	700.00	-4.74	-1.01	0.82	-2.75	0.17	0.01
119	168	752.50	-4.74	-1.01	0.82	-2.75	0.16	0.02
119	168	805.00	-3.67	6.07	0.66	-1.43	0.58	0.02
119	168	857.50	-3.57	5.99	0.50	1.72	0.84	0.01
119	168	910.00	-3.25	5.91	0.42	4.79	1.08	1.93e-03
119	168	960.00	-2.19	-1.25	-0.96	1.93	0.95	-0.02
119	168	1010.00	-1.54	-0.16	-0.74	1.31	0.60	-0.03
119	168	1060.00	-0.95	-0.17	-0.79	0.57	0.19	-0.03
119	173	700.00	-7.71	-1.80	-0.02	-4.74	-0.06	4.64e-04
119	173	752.50	-7.71	-1.80	-0.02	-4.75	-0.06	-3.12e-03
119	173	805.00	-7.34	10.74	-0.28	-2.27	-0.30	-4.60e-03
119	173	857.50	-7.52	10.63	-0.23	2.89	-0.50	-3.88e-03
119	173	910.00	-6.09	10.51	-0.12	8.57	-0.65	2.92e-04
119	173	960.00	-3.87	-2.06	0.56	3.49	-0.58	9.28e-03
119	173	1010.00	-2.73	-1.33	0.44	2.41	-0.33	0.01
119	173	1060.00	-1.63	-0.91	0.15	1.09	-0.04	9.51e-03
119	174	700.00	5.51	1.78	7.55e-03	4.51	0.10	4.09e-03
119	174	752.50	5.51	1.78	7.55e-03	4.50	0.10	4.07e-03
119	174	805.00	6.84	-10.58	0.26	2.10	0.33	4.11e-03
119	174	857.50	7.52	-10.47	0.22	-2.97	0.52	2.74e-03
119	174	910.00	6.60	-10.35	0.11	-8.58	0.67	-1.78e-03
119	174	960.00	3.72	1.73	-0.58	-3.59	0.59	-0.01
119	174	1010.00	2.65	0.72	-0.45	-2.57	0.33	-0.01
119	174	1060.00	1.47	0.22	-0.15	-1.26	0.04	-0.01
119	176	700.00	-7.71	-1.80	0.40	-4.75	8.95e-03	8.29e-03
119	176	752.50	-7.71	-1.80	0.40	-4.76	5.91e-03	6.58e-03
119	176	805.00	-6.56	10.73	0.08	-2.43	-0.03	6.10e-03
119	176	857.50	-6.39	10.62	0.05	3.11	-0.06	4.93e-03
119	176	910.00	-6.10	10.50	0.09	8.56	-0.09	2.63e-03
119	176	960.00	-3.88	-2.07	0.07	3.48	-0.08	-7.67e-04
119	176	1010.00	-2.74	-1.10	0.06	2.41	-0.05	-2.42e-03
119	176	1060.00	-1.63	-0.75	-0.22	1.08	0.05	-6.21e-03
119	200	700.00	-4.85	-1.05	0.81	-2.82	0.16	0.01
119	200	752.50	-4.85	-1.05	0.81	-2.83	0.16	0.02
119	200	805.00	-3.78	6.26	0.66	-1.47	0.58	0.02
119	200	857.50	-3.67	6.18	0.50	1.78	0.83	0.01
119	200	910.00	-3.36	6.09	0.41	4.95	1.07	1.81e-03
119	200	960.00	-2.25	-1.28	-0.95	1.99	0.94	-0.02
119	200	1010.00	-1.59	-0.17	-0.73	1.36	0.59	-0.03
119	200	1060.00	-0.97	-0.18	-0.78	0.59	0.18	-0.03
119	213	700.00	-8.97	-2.14	-0.23	-5.64	0.03	-5.01e-03
119	213	752.50	-8.97	-2.14	-0.23	-5.64	0.03	-6.89e-03
119	213	805.00	-8.70	12.84	-0.31	-2.68	6.16e-03	-7.56e-03
119	213	857.50	-8.94	12.65	-0.38	3.48	-0.38	-7.07e-03
119	213	910.00	-7.30	12.45	-0.14	10.23	-0.49	-5.40e-03
119	213	960.00	-4.59	-2.47	0.34	4.17	-0.43	-2.55e-03
119	213	1010.00	-3.25	-1.60	0.33	2.89	-3.63e-03	-8.22e-04
119	213	1060.00	-1.92	-1.11	-7.46e-03	1.31	-0.04	1.31e-04
119	214	700.00	6.77	2.12	0.21	5.40	0.01	9.56e-03
119	214	752.50	6.77	2.12	0.21	5.39	8.87e-03	7.84e-03
119	214	805.00	8.19	-12.69	0.30	2.51	0.02	7.07e-03
119	214	857.50	8.94	-12.49	0.37	-3.56	0.40	5.93e-03
119	214	910.00	7.81	-12.29	0.13	-10.23	0.50	3.91e-03
119	214	960.00	4.44	2.14	-0.36	-4.27	0.44	7.91e-04
119	214	1010.00	3.16	1.00	-0.35	-3.04	4.84e-03	-9.58e-04
119	214	1060.00	1.77	0.42	5.03e-03	-1.48	0.04	-1.67e-03
119	216	700.00	-8.97	-2.15	0.26	-5.65	0.11	4.08e-03
119	216	752.50	-8.97	-2.15	0.26	-5.65	0.10	4.37e-03
119	216	805.00	-7.77	12.84	0.10	-2.87	0.32	4.86e-03
119	216	857.50	-7.60	12.65	-0.05	3.74	0.13	3.16e-03
119	216	910.00	-7.31	12.45	0.11	10.22	0.17	-2.68e-03
119	216	960.00	-4.60	-2.48	-0.23	4.16	0.15	-0.01
119	216	1010.00	-3.25	-1.34	-0.11	2.89	0.32	-0.02
119	216	1060.00	-1.93	-0.92	-0.44	1.31	0.06	-0.02
119	232	700.00	-5.61	-1.25	0.95	-3.37	0.19	0.02
119	232	752.50	-5.61	-1.25	0.95	-3.38	0.18	0.02
119	232	805.00	-4.50	7.52	0.77	-1.75	0.67	0.02
119	232	857.50	-4.41	7.42	0.58	2.15	0.96	0.02
119	232	910.00	-4.08	7.31	0.48	5.95	1.25	2.18e-03
119	232	960.00	-2.69	-1.51	-1.11	2.41	1.10	-0.02
119	232	1010.00	-1.90	-0.16	-0.85	1.65	0.69	-0.03
119	232	1060.00	-1.15	-0.16	-0.91	0.73	0.21	-0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-8.97	-12.69	-4.71	-10.23	-5.21	-0.05
	8.94	12.84	3.87	10.23	1.25	0.07

Macro	Tipo	Angolo 1-Z (gradi)
120	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
120	3	700.00	6.09	-1.36	-0.79	-2.54	0.48	0.01
120	3	752.50	3.49	-1.25	-0.14	-1.78	0.24	0.03
120	3	805.00	0.61	-3.55	0.12	-2.05	0.18	0.03
120	3	857.50	-1.66	-3.50	0.21	-2.29	0.21	0.01
120	3	910.00	-3.82	-3.45	0.24	-2.56	0.28	-3.35e-03
120	3	960.00	-3.60	-2.35	-0.05	-1.25	0.21	-0.03
120	3	1010.00	-3.97	-2.90	-0.09	-0.43	0.11	-0.04
120	3	1060.00	-2.80	-3.06	-0.24	-0.19	0.0	-0.05
120	33	700.00	0.07	-1.07	-0.98	-1.00	0.25	-0.11
120	33	752.50	-1.83	-1.01	-0.66	-0.49	-0.18	-0.07
120	33	805.00	-4.03	-2.92	-0.37	-0.79	-0.31	-0.05
120	33	857.50	-5.59	-3.13	-0.40	-1.16	-0.39	-0.03
120	33	910.00	-7.08	-3.44	-0.48	-1.70	-0.50	-3.19e-03
120	33	960.00	-6.18	-2.20	-4.97e-04	-0.58	-0.40	0.04
120	33	1010.00	-5.91	-2.60	0.14	0.11	-0.24	0.06
120	33	1060.00	-4.49	-2.54	0.51	0.50	0.0	0.08
120	43	700.00	2.85	-1.09	-1.32	-1.94	0.28	-0.17
120	43	752.50	0.55	-1.05	-1.00	-1.21	-0.33	-0.12
120	43	805.00	-1.96	-3.12	-0.61	-1.40	-0.53	-0.08
120	43	857.50	-3.86	-3.46	-0.67	-1.72	-0.66	-0.05
120	43	910.00	-5.69	-3.93	-0.81	-2.28	-0.86	-4.11e-03
120	43	960.00	-4.92	-2.59	0.02	-1.07	-0.67	0.07
120	43	1010.00	-4.75	-3.04	0.25	-0.39	-0.40	0.11
120	43	1060.00	-3.23	-2.97	0.85	-0.17	0.0	0.13
120	44	700.00	2.39	-1.08	-1.35	-1.89	0.29	-0.17
120	44	752.50	0.06	-1.04	-1.01	-1.15	-0.33	-0.12
120	44	805.00	-2.50	-3.09	-0.62	-1.31	-0.53	-0.08
120	44	857.50	-4.43	-3.43	-0.67	-1.59	-0.66	-0.05
120	44	910.00	-6.29	-3.90	-0.81	-2.12	-0.86	-4.29e-03
120	44	960.00	-5.55	-2.55	0.02	-0.87	-0.67	0.07
120	44	1010.00	-5.44	-2.98	0.24	-0.13	-0.40	0.11
120	44	1060.00	-3.98	-2.88	0.85	0.19	0.0	0.13
120	67	700.00	4.14	-1.02	-0.58	-1.77	0.34	5.99e-03
120	67	752.50	2.25	-0.94	-0.11	-1.23	0.16	0.02
120	67	805.00	0.14	-2.67	0.08	-1.46	0.12	0.02
120	67	857.50	-1.51	-2.64	0.14	-1.68	0.14	7.35e-03
120	67	910.00	-3.07	-2.62	0.16	-1.92	0.19	-2.40e-03
120	67	960.00	-2.82	-1.78	-0.04	-0.95	0.14	-0.02
120	67	1010.00	-3.02	-2.19	-0.06	-0.35	0.07	-0.03
120	67	1060.00	-2.09	-2.31	-0.16	-0.18	0.0	-0.03
120	81	700.00	0.13	-0.83	-0.70	-0.74	0.19	-0.07
120	81	752.50	-1.29	-0.78	-0.46	-0.37	-0.11	-0.05
120	81	805.00	-2.95	-2.25	-0.25	-0.63	-0.21	-0.03
120	81	857.50	-4.12	-2.40	-0.26	-0.93	-0.26	-0.02
120	81	910.00	-5.24	-2.61	-0.32	-1.35	-0.33	-2.30e-03
120	81	960.00	-4.54	-1.68	-3.05e-03	-0.50	-0.26	0.03
120	81	1010.00	-4.31	-1.99	0.09	8.63e-03	-0.16	0.04
120	81	1060.00	-3.21	-1.97	0.34	0.28	0.0	0.05
120	87	700.00	1.99	-0.84	-0.93	-1.37	0.21	-0.11
120	87	752.50	0.29	-0.80	-0.68	-0.85	-0.22	-0.08
120	87	805.00	-1.58	-2.38	-0.41	-1.03	-0.35	-0.05
120	87	857.50	-2.97	-2.62	-0.45	-1.30	-0.44	-0.03
120	87	910.00	-4.32	-2.94	-0.54	-1.73	-0.57	-2.91e-03
120	87	960.00	-3.70	-1.94	0.01	-0.82	-0.45	0.05
120	87	1010.00	-3.54	-2.29	0.16	-0.33	-0.27	0.07
120	87	1060.00	-2.37	-2.26	0.57	-0.17	0.0	0.09
120	88	700.00	1.68	-0.84	-0.95	-1.34	0.22	-0.11
120	88	752.50	-0.04	-0.80	-0.69	-0.81	-0.21	-0.08
120	88	805.00	-1.94	-2.37	-0.41	-0.97	-0.35	-0.05
120	88	857.50	-3.35	-2.60	-0.45	-1.21	-0.44	-0.03
120	88	910.00	-4.72	-2.92	-0.54	-1.62	-0.57	-3.03e-03
120	88	960.00	-4.12	-1.91	9.94e-03	-0.69	-0.45	0.05
120	88	1010.00	-4.00	-2.24	0.16	-0.15	-0.27	0.07

120	88	1060.00	-2.87	-2.19	0.57	0.07	0.0	0.09
120	98	700.00	2.95	-0.96	-0.61	-1.44	0.29	-0.02
120	98	752.50	1.23	-0.89	-0.22	-0.96	0.07	-9.01e-04
120	98	805.00	-0.72	-2.56	-0.03	-1.22	0.01	5.35e-04
120	98	857.50	-2.20	-2.59	8.29e-03	-1.48	9.04e-03	-1.16e-03
120	98	910.00	-3.60	-2.64	-2.58e-03	-1.81	0.01	-2.32e-03
120	98	960.00	-3.17	-1.76	-0.02	-0.89	3.32e-03	-3.88e-03
120	98	1010.00	-3.18	-2.14	-9.23e-03	-0.35	-4.51e-03	-4.00e-03
120	98	1060.00	-2.16	-2.23	8.24e-03	-0.18	0.0	-4.36e-03
120	99	700.00	1.20	-0.90	-0.48	-0.84	0.22	-0.02
120	99	752.50	-0.20	-0.83	-0.17	-0.50	0.05	-1.13e-03
120	99	805.00	-1.87	-2.39	-0.02	-0.85	9.56e-03	4.31e-04
120	99	857.50	-3.06	-2.41	0.01	-1.18	9.95e-03	-8.19e-04
120	99	910.00	-4.18	-2.46	-1.52e-03	-1.56	0.01	-1.75e-03
120	99	960.00	-3.55	-1.61	-0.02	-0.75	5.73e-03	-3.07e-03
120	99	1010.00	-3.36	-1.97	-0.01	-0.29	-2.11e-03	-2.92e-03
120	99	1060.00	-2.29	-2.06	3.61e-03	-0.11	0.0	-3.21e-03
120	105	700.00	2.53	-0.93	-0.65	-1.34	0.26	-0.04
120	105	752.50	0.86	-0.86	-0.31	-0.88	9.40e-03	-0.02
120	105	805.00	-1.04	-2.50	-0.11	-1.13	-0.06	-0.01
120	105	857.50	-2.46	-2.57	-0.08	-1.41	-0.08	-6.91e-03
120	105	910.00	-3.80	-2.68	-0.11	-1.76	-0.10	-2.35e-03
120	105	960.00	-3.30	-1.77	-0.02	-0.86	-0.09	6.71e-03
120	105	1010.00	-3.25	-2.15	0.03	-0.35	-0.06	0.01
120	105	1060.00	-2.20	-2.22	0.12	-0.18	0.0	0.01
120	106	700.00	1.33	-0.90	-0.47	-0.85	0.22	-0.02
120	106	752.50	-0.07	-0.83	-0.17	-0.52	0.05	-1.09e-03
120	106	805.00	-1.72	-2.39	-0.02	-0.87	8.98e-03	4.73e-04
120	106	857.50	-2.91	-2.42	0.01	-1.21	9.37e-03	-7.64e-04
120	106	910.00	-4.02	-2.47	-1.76e-03	-1.60	0.01	-1.70e-03
120	106	960.00	-3.38	-1.62	-0.02	-0.80	5.04e-03	-3.04e-03
120	106	1010.00	-3.17	-1.99	-9.44e-03	-0.36	-2.49e-03	-2.92e-03
120	106	1060.00	-2.09	-2.09	4.32e-03	-0.21	0.0	-3.22e-03
120	107	700.00	2.72	-0.95	-0.59	-1.35	0.28	-0.02
120	107	752.50	1.05	-0.88	-0.22	-0.90	0.07	-9.29e-04
120	107	805.00	-0.87	-2.54	-0.03	-1.17	0.01	5.26e-04
120	107	857.50	-2.30	-2.56	8.56e-03	-1.45	9.09e-03	-1.10e-03
120	107	910.00	-3.66	-2.62	-2.46e-03	-1.78	0.01	-2.23e-03
120	107	960.00	-3.20	-1.74	-0.02	-0.88	3.57e-03	-3.76e-03
120	107	1010.00	-3.18	-2.12	-9.26e-03	-0.35	-4.22e-03	-3.85e-03
120	107	1060.00	-2.15	-2.21	7.68e-03	-0.18	0.0	-4.19e-03
120	110	700.00	-0.25	-2.36	-1.25	-8.78	0.39	-0.03
120	110	752.50	-1.92	-2.29	-0.88	-8.32	0.18	1.05e-03
120	110	805.00	-11.92	-13.17	-0.06	-9.44	-0.06	0.01
120	110	857.50	-16.31	-12.77	0.18	-13.06	0.01	0.01
120	110	910.00	-22.09	-12.03	0.17	-17.09	0.14	9.14e-03
120	110	960.00	-10.77	2.29	-0.14	-10.27	0.16	-0.02
120	110	1010.00	-8.65	4.98	-0.14	-6.98	0.10	-0.03
120	110	1060.00	-4.65	4.75	-0.16	-3.35	0.04	-0.03
120	135	700.00	-14.44	-1.40	-0.62	-1.31	0.07	-0.03
120	135	752.50	-16.12	-1.33	-0.25	-0.85	-0.14	-0.02
120	135	805.00	-19.68	-8.65	-0.05	-2.24	-0.21	-0.02
120	135	857.50	-22.34	-8.43	-0.05	-4.81	-0.21	-0.01
120	135	910.00	-26.00	-8.29	-0.09	-7.54	-0.23	3.92e-03
120	135	960.00	-16.42	1.11	0.08	-3.55	-0.25	0.01
120	135	1010.00	-12.63	2.70	0.17	-2.37	-0.18	0.03
120	135	1060.00	-4.85	2.54	0.26	-2.07	-0.06	0.03
120	136	700.00	20.11	-0.52	-0.58	-1.58	0.49	-8.59e-03
120	136	752.50	18.44	-0.45	-0.20	-1.13	0.28	0.02
120	136	805.00	18.03	3.46	-0.01	-0.28	0.23	0.02
120	136	857.50	17.69	3.14	0.07	1.72	0.25	9.53e-03
120	136	910.00	18.58	2.86	0.08	3.74	0.26	-8.64e-03
120	136	960.00	10.02	-4.58	-0.13	1.64	0.25	-0.02
120	136	1010.00	6.26	-6.90	-0.19	1.56	0.17	-0.03
120	136	1060.00	0.54	-6.92	-0.24	1.64	0.06	-0.04
120	138	700.00	17.33	-1.26	-0.93	-5.01	0.52	-0.02
120	138	752.50	15.65	-1.19	-0.55	-4.56	0.31	0.02
120	138	805.00	10.88	-2.09	-0.04	-4.26	0.16	0.02
120	138	857.50	9.67	-2.11	0.15	-4.12	0.18	0.01
120	138	910.00	8.56	-2.14	0.17	-4.09	0.31	-1.48e-03
120	138	960.00	5.42	-2.07	-0.17	-3.17	0.31	-0.03
120	138	1010.00	2.95	-2.60	-0.23	-1.84	0.21	-0.04
120	138	1060.00	-1.05	-2.69	-0.31	0.02	0.08	-0.05
120	142	700.00	-0.64	-2.54	-1.33	-9.72	0.40	-0.03
120	142	752.50	-2.32	-2.47	-0.96	-9.26	0.19	1.28e-03

120	142	805.00	-13.33	-14.51	-0.07	-10.49	-0.07	0.01
120	142	857.50	-18.10	-14.06	0.20	-14.53	0.02	0.01
120	142	910.00	-24.44	-13.22	0.19	-19.03	0.16	0.01
120	142	960.00	-11.73	2.80	-0.15	-11.47	0.17	-0.02
120	142	1010.00	-9.35	5.89	-0.15	-7.83	0.12	-0.03
120	142	1060.00	-4.97	5.64	-0.18	-3.75	0.05	-0.03
120	167	700.00	-16.61	-1.45	-0.63	-1.31	0.04	-0.03
120	167	752.50	-18.29	-1.38	-0.25	-0.86	-0.17	-0.03
120	167	805.00	-22.07	-9.44	-0.05	-2.39	-0.23	-0.02
120	167	857.50	-24.89	-9.18	-0.05	-5.26	-0.24	-0.01
120	167	910.00	-28.86	-9.02	-0.10	-8.29	-0.27	4.71e-03
120	167	960.00	-18.12	1.48	0.09	-3.90	-0.28	0.02
120	167	1010.00	-13.84	3.33	0.19	-2.63	-0.20	0.03
120	167	1060.00	-5.20	3.16	0.29	-2.31	-0.07	0.03
120	168	700.00	22.33	-0.46	-0.57	-1.60	0.52	-7.24e-03
120	168	752.50	20.65	-0.39	-0.20	-1.14	0.31	0.02
120	168	805.00	20.46	4.24	-8.84e-03	-0.15	0.26	0.02
120	168	857.50	20.26	3.89	0.08	2.16	0.28	0.01
120	168	910.00	21.46	3.58	0.09	4.49	0.29	-9.48e-03
120	168	960.00	11.73	-4.95	-0.14	1.99	0.28	-0.02
120	168	1010.00	7.48	-7.53	-0.21	1.82	0.19	-0.04
120	168	1060.00	0.89	-7.55	-0.28	1.88	0.07	-0.04
120	170	700.00	19.14	-1.30	-0.97	-5.47	0.55	-0.02
120	170	752.50	17.47	-1.23	-0.60	-5.01	0.34	0.02
120	170	805.00	12.34	-2.04	-0.04	-4.65	0.18	0.02
120	170	857.50	11.16	-2.05	0.17	-4.46	0.20	0.02
120	170	910.00	10.11	-2.08	0.19	-4.39	0.34	-1.38e-03
120	170	960.00	6.52	-2.11	-0.19	-3.46	0.35	-0.03
120	170	1010.00	3.74	-2.66	-0.26	-2.03	0.24	-0.05
120	170	1060.00	-0.91	-2.75	-0.35	0.05	0.09	-0.05
120	179	700.00	-7.37	-2.42	-1.25	-7.79	0.27	-0.04
120	179	752.50	-9.04	-2.35	-0.88	-7.34	0.06	-0.01
120	179	805.00	-19.36	-14.53	-0.07	-8.98	-0.18	1.60e-03
120	179	857.50	-23.20	-14.08	0.15	-13.34	-0.11	4.51e-03
120	179	910.00	-28.85	-13.76	0.12	-18.05	9.78e-04	0.01
120	179	960.00	-15.62	3.59	-0.07	-10.59	0.01	-9.38e-03
120	179	1010.00	-12.09	7.09	-0.03	-7.26	5.45e-03	-9.23e-03
120	179	1060.00	-5.77	6.83	-0.02	-3.80	5.23e-03	-9.38e-03
120	187	700.00	-8.68	-2.43	-1.21	-7.25	0.25	-0.04
120	187	752.50	-10.36	-2.36	-0.83	-6.79	0.03	-0.01
120	187	805.00	-20.29	-14.47	-0.09	-8.55	-0.19	6.37e-04
120	187	857.50	-23.67	-13.87	0.14	-13.00	-0.20	4.60e-03
120	187	910.00	-29.23	-13.39	0.12	-17.71	-4.35e-04	0.01
120	187	960.00	-15.93	3.73	-0.06	-10.36	5.27e-03	-9.02e-03
120	187	1010.00	-12.30	7.21	-0.02	-7.10	2.00e-03	-8.80e-03
120	187	1060.00	-5.88	7.00	-0.02	-3.70	5.14e-03	-9.81e-03
120	200	700.00	22.45	-0.44	-0.56	-1.49	0.52	-7.10e-03
120	200	752.50	20.77	-0.37	-0.19	-1.03	0.31	0.02
120	200	805.00	20.65	4.43	-7.81e-03	4.82e-03	0.26	0.02
120	200	857.50	20.55	4.07	0.07	2.39	0.28	0.01
120	200	910.00	21.86	3.75	0.09	4.79	0.29	-9.64e-03
120	200	960.00	11.96	-5.06	-0.14	2.15	0.28	-0.02
120	200	1010.00	7.64	-7.71	-0.21	1.94	0.19	-0.04
120	200	1060.00	0.95	-7.73	-0.28	1.93	0.07	-0.04
120	202	700.00	18.83	-1.31	-0.97	-5.40	0.55	-0.02
120	202	752.50	17.16	-1.24	-0.59	-4.95	0.34	0.02
120	202	805.00	12.10	-2.06	-0.04	-4.62	0.17	0.02
120	202	857.50	10.98	-2.07	0.17	-4.47	0.20	0.02
120	202	910.00	10.04	-2.09	0.19	-4.42	0.34	-1.35e-03
120	202	960.00	6.56	-2.11	-0.19	-3.50	0.34	-0.03
120	202	1010.00	3.77	-2.66	-0.26	-2.06	0.23	-0.05
120	202	1060.00	-0.90	-2.75	-0.35	0.03	0.09	-0.05
120	216	700.00	16.54	0.84	0.15	5.74	0.31	2.51e-03
120	216	752.50	14.87	0.91	0.53	6.20	0.10	0.01
120	216	805.00	22.55	11.88	0.04	7.75	0.25	3.38e-04
120	216	857.50	23.48	11.09	-0.15	12.55	0.26	-8.16e-03
120	216	910.00	27.14	10.39	-0.15	17.52	0.03	-0.02
120	216	960.00	12.11	-8.35	0.02	10.62	4.83e-03	2.28e-03
120	216	1010.00	7.77	-13.41	5.51e-03	7.82	-9.39e-03	1.67e-03
120	216	1060.00	2.32	-13.34	0.03	4.07	-5.48e-03	2.12e-03
120	219	700.00	-11.10	-2.74	-1.33	-8.45	0.24	-0.04
120	219	752.50	-12.78	-2.67	-0.96	-7.99	0.03	-0.01
120	219	805.00	-24.28	-16.95	-0.10	-10.10	-0.23	7.15e-04
120	219	857.50	-28.08	-16.22	0.16	-15.44	-0.24	5.97e-03
120	219	910.00	-34.46	-15.62	0.15	-21.07	-5.12e-03	0.02

120	219	960.00	-18.50	4.88	-0.07	-12.37	2.30e-03	-9.80e-03
120	219	1010.00	-14.13	9.16	-0.02	-8.52	9.52e-04	-9.37e-03
120	219	1060.00	-6.63	8.92	-0.02	-4.44	5.48e-03	-0.01
120	234	700.00	21.42	-1.38	-1.03	-6.08	0.59	-0.02
120	234	752.50	19.74	-1.31	-0.66	-5.63	0.38	0.03
120	234	805.00	14.15	-2.01	-0.04	-5.22	0.20	0.03
120	234	857.50	13.12	-2.02	0.20	-5.02	0.23	0.02
120	234	910.00	12.35	-2.03	0.22	-4.93	0.39	-1.14e-03
120	234	960.00	8.27	-2.16	-0.21	-4.01	0.40	-0.04
120	234	1010.00	4.98	-2.74	-0.30	-2.40	0.27	-0.05
120	234	1060.00	-0.68	-2.82	-0.41	0.05	0.10	-0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-34.46	-16.95	-1.35	-21.07	-0.86	-0.17
	27.14	11.88	0.85	17.52	0.59	0.13

Macro	Tipo	Angolo 1-Z (gradi)
121	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
121	11	700.00	-178.78	30.89	0.42	105.32	0.02	-4.99e-04
121	11	752.50	-176.24	31.06	0.47	98.52	0.25	4.07e-03
121	11	805.00	-169.66	22.72	0.09	98.88	0.30	1.59e-03
121	11	857.50	-160.83	23.09	1.82e-03	90.95	0.32	-2.05e-03
121	11	910.00	-152.21	23.41	-0.04	82.83	0.31	-6.14e-03
121	11	960.00	-144.16	23.72	-0.04	74.49	0.30	-0.01
121	11	1010.00	-135.61	24.20	-0.18	64.93	0.23	-0.01
121	11	1060.00	-128.03	29.50	-0.46	47.58	0.0	-0.01
121	28	700.00	-148.49	45.87	-0.39	134.21	9.57e-03	-7.36e-03
121	28	752.50	-145.86	45.87	-0.33	120.07	-0.18	-1.51e-03
121	28	805.00	-139.52	35.75	-0.42	114.40	-0.44	-1.42e-03
121	28	857.50	-130.74	35.13	-0.22	100.35	-0.62	-2.76e-03
121	28	910.00	-122.13	34.47	0.10	86.64	-0.66	-4.71e-03
121	28	960.00	-114.12	33.91	0.50	73.14	-0.49	-7.49e-03
121	28	1010.00	-105.75	33.55	0.61	58.82	-0.21	-6.09e-03
121	28	1060.00	-98.66	37.81	0.41	38.46	0.0	-0.02
121	42	700.00	-141.55	33.98	-0.68	103.66	0.01	-5.12e-03
121	42	752.50	-140.23	33.89	-0.58	95.31	-0.32	-7.83e-04
121	42	805.00	-134.83	26.73	-0.64	92.56	-0.74	-2.37e-03
121	42	857.50	-127.13	25.66	-0.32	82.30	-1.00	-2.07e-03
121	42	910.00	-119.53	24.55	0.16	72.58	-1.06	-3.37e-03
121	42	960.00	-112.44	23.60	0.72	62.86	-0.81	-5.80e-03
121	42	1010.00	-104.99	22.89	0.98	52.41	-0.39	-3.54e-03
121	42	1060.00	-98.23	26.62	0.75	36.73	0.0	-0.03
121	45	700.00	-79.71	25.82	-0.73	70.17	8.61e-03	-5.57e-03
121	45	752.50	-78.68	25.71	-0.65	63.00	-0.35	-2.10e-03
121	45	805.00	-74.45	20.61	-0.63	59.63	-0.76	-2.45e-03
121	45	857.50	-68.73	19.53	-0.30	51.70	-1.01	-1.61e-03
121	45	910.00	-63.05	18.42	0.15	44.24	-1.06	-2.31e-03
121	45	960.00	-57.75	17.47	0.67	36.74	-0.83	-4.03e-03
121	45	1010.00	-52.26	16.69	0.90	28.83	-0.43	-2.17e-03
121	45	1060.00	-47.55	18.77	0.85	18.66	0.0	-0.03
121	71	700.00	-128.26	22.18	0.30	74.56	0.01	-3.90e-04
121	71	752.50	-126.40	22.31	0.34	69.78	0.18	3.07e-03
121	71	805.00	-121.36	16.31	0.05	70.10	0.21	1.22e-03
121	71	857.50	-114.71	16.56	-5.86e-03	64.50	0.22	-1.46e-03
121	71	910.00	-108.21	16.77	-0.03	58.73	0.20	-4.66e-03
121	71	960.00	-102.13	16.98	-0.02	52.74	0.20	-8.22e-03
121	71	1010.00	-95.69	17.31	-0.13	45.84	0.16	-8.87e-03
121	71	1060.00	-90.03	21.13	-0.31	33.53	0.0	-9.15e-03
121	80	700.00	-108.07	32.17	-0.24	93.83	7.98e-03	-4.97e-03
121	80	752.50	-106.15	32.18	-0.19	84.14	-0.10	-6.58e-04
121	80	805.00	-101.27	25.00	-0.29	80.44	-0.29	-7.87e-04
121	80	857.50	-94.65	24.59	-0.16	70.76	-0.41	-1.94e-03
121	80	910.00	-88.15	24.14	0.07	61.27	-0.44	-3.71e-03
121	80	960.00	-82.10	23.77	0.34	51.84	-0.32	-6.13e-03
121	80	1010.00	-75.79	23.54	0.40	41.77	-0.14	-5.36e-03
121	80	1060.00	-70.45	26.66	0.27	27.45	0.0	-0.02
121	85	700.00	-84.08	23.38	-0.44	65.35	9.61e-03	-4.07e-03
121	85	752.50	-82.88	23.33	-0.37	59.23	-0.20	-6.20e-04
121	85	805.00	-78.43	18.39	-0.44	56.91	-0.49	-1.30e-03

121	85	857.50	-72.57	17.68	-0.22	50.09	-0.67	-1.43e-03
121	85	910.00	-66.77	16.93	0.10	43.52	-0.71	-2.98e-03
121	85	960.00	-61.35	16.30	0.47	36.79	-0.55	-5.42e-03
121	85	1010.00	-55.72	15.82	0.60	29.55	-0.28	-4.42e-03
121	85	1060.00	-50.92	18.13	0.54	19.70	0.0	-0.02
121	86	700.00	-103.44	24.24	-0.43	73.46	0.01	-3.47e-03
121	86	752.50	-102.39	24.19	-0.36	67.64	-0.20	-1.71e-04
121	86	805.00	-98.15	18.98	-0.44	65.89	-0.49	-1.42e-03
121	86	857.50	-92.24	18.27	-0.22	58.73	-0.67	-1.48e-03
121	86	910.00	-86.42	17.53	0.10	51.89	-0.70	-2.82e-03
121	86	960.00	-80.98	16.90	0.48	44.98	-0.54	-5.00e-03
121	86	1010.00	-75.28	16.44	0.64	37.50	-0.26	-3.66e-03
121	86	1060.00	-70.17	19.21	0.50	26.29	0.0	-0.02
121	101	700.00	-95.87	23.34	0.13	68.48	0.01	-2.30e-03
121	101	752.50	-94.00	23.42	0.16	62.21	0.09	1.58e-03
121	101	805.00	-88.93	17.73	-0.07	60.73	0.04	8.28e-04
121	101	857.50	-82.50	17.75	-0.06	54.42	8.03e-03	-1.37e-03
121	101	910.00	-76.18	17.74	-3.52e-03	47.97	-0.01	-4.46e-03
121	101	960.00	-70.27	17.75	0.08	41.26	0.02	-8.12e-03
121	101	1010.00	-64.12	17.86	-6.05e-03	33.82	0.03	-8.73e-03
121	101	1060.00	-59.00	20.77	-0.06	22.84	0.0	-8.35e-03
121	104	700.00	-85.41	17.97	0.03	52.36	0.01	-1.52e-03
121	104	752.50	-84.00	18.02	0.08	48.41	0.04	1.82e-03
121	104	805.00	-79.21	13.64	-0.14	47.96	-0.06	5.93e-04
121	104	857.50	-73.21	13.52	-0.09	43.41	-0.12	-1.05e-03
121	104	910.00	-67.31	13.36	0.01	38.76	-0.14	-4.05e-03
121	104	960.00	-61.77	13.23	0.14	33.71	-0.09	-7.73e-03
121	104	1010.00	-56.00	13.22	0.10	28.00	-0.03	-8.21e-03
121	104	1060.00	-51.14	15.75	0.07	19.50	0.0	-9.91e-03
121	105	700.00	-87.79	24.35	6.87e-03	68.48	9.22e-03	-3.18e-03
121	105	752.50	-85.92	24.40	0.04	61.56	0.02	7.95e-04
121	105	805.00	-80.85	18.68	-0.14	59.38	-0.07	4.04e-04
121	105	857.50	-74.47	18.55	-0.09	52.64	-0.13	-1.44e-03
121	105	910.00	-68.19	18.40	0.02	45.81	-0.16	-4.26e-03
121	105	960.00	-62.32	18.27	0.15	38.75	-0.10	-7.72e-03
121	105	1010.00	-56.22	18.26	0.10	31.03	-0.04	-8.09e-03
121	105	1060.00	-51.25	20.93	0.07	20.25	0.0	-9.58e-03
121	106	700.00	-85.74	16.61	0.15	49.11	0.01	-8.78e-04
121	106	752.50	-84.28	16.69	0.19	45.70	0.10	2.43e-03
121	106	805.00	-79.40	12.45	-0.07	45.72	0.05	1.07e-03
121	106	857.50	-73.37	12.47	-0.06	41.74	0.02	-9.59e-04
121	106	910.00	-67.44	12.46	-8.69e-03	37.57	-3.36e-03	-4.31e-03
121	106	960.00	-61.88	12.47	0.06	32.95	0.02	-8.31e-03
121	106	1010.00	-56.07	12.57	-0.03	27.62	0.03	-9.15e-03
121	106	1060.00	-51.20	15.15	-0.05	19.45	0.0	-7.48e-03
121	107	700.00	-88.12	23.00	0.12	65.23	9.64e-03	-2.54e-03
121	107	752.50	-86.20	23.08	0.16	58.85	0.08	1.40e-03
121	107	805.00	-81.04	17.49	-0.07	57.14	0.04	8.76e-04
121	107	857.50	-74.63	17.51	-0.06	50.97	6.79e-03	-1.35e-03
121	107	910.00	-68.32	17.50	-5.07e-03	44.62	-0.01	-4.53e-03
121	107	960.00	-62.42	17.51	0.07	37.98	0.02	-8.29e-03
121	107	1010.00	-56.29	17.62	-0.02	30.64	0.03	-9.04e-03
121	107	1060.00	-51.30	20.34	-0.05	20.20	0.0	-7.14e-03
121	114	700.00	-117.20	-2.33	-2.15	-6.01	-0.52	0.04
121	114	752.50	-115.28	-2.25	-2.11	-12.39	-0.45	0.05
121	114	805.00	-103.93	-14.60	-2.94	1.56	-1.82	0.05
121	114	857.50	-92.30	-16.93	-1.98	19.00	-3.15	0.01
121	114	910.00	-79.07	-16.03	-0.94	31.86	-3.92	1.32e-03
121	114	960.00	-73.52	-14.82	1.59	62.26	-3.76	-0.05
121	114	1010.00	-63.40	-13.55	2.87	50.36	-2.66	-0.05
121	114	1060.00	-55.60	-3.78	3.89	32.49	-0.99	-0.04
121	123	700.00	-81.39	71.60	-2.25	118.23	-0.60	0.06
121	123	752.50	-79.47	71.68	-2.21	111.85	-0.53	0.07
121	123	805.00	-74.11	50.82	-2.90	105.47	-1.97	0.09
121	123	857.50	-81.24	47.79	-2.00	149.13	-3.21	0.08
121	123	910.00	-69.75	51.56	-0.97	126.09	-4.00	0.03
121	123	960.00	-58.88	50.36	1.73	103.76	-3.81	-0.03
121	123	1010.00	-51.58	49.40	2.95	72.94	-2.64	-0.05
121	123	1060.00	-49.30	50.93	3.81	43.40	-0.96	-0.05
121	133	700.00	-65.27	81.99	0.95	251.13	0.14	-0.01
121	133	752.50	-63.35	82.07	0.98	244.75	0.21	-3.43e-03
121	133	805.00	-62.23	73.43	0.83	211.77	0.54	0.01
121	133	857.50	-58.29	72.50	0.36	167.46	0.99	0.03
121	133	910.00	-55.36	70.69	7.68e-03	125.43	1.06	0.02
121	133	960.00	-51.10	68.33	-0.26	79.96	1.02	0.01

121	133	1010.00	-47.71	66.11	-0.73	51.05	0.80	7.94e-03
121	133	1060.00	-43.85	63.26	-1.24	32.78	0.30	6.09e-03
121	139	700.00	-71.98	88.98	-0.44	245.66	-0.20	0.02
121	139	752.50	-70.05	89.06	-0.41	239.28	-0.13	0.03
121	139	805.00	-67.01	73.80	-0.88	209.59	-0.63	0.06
121	139	857.50	-65.58	71.25	-0.80	187.32	-0.92	0.06
121	139	910.00	-59.01	70.85	-0.56	146.04	-1.31	0.03
121	139	960.00	-53.37	68.49	0.70	106.97	-1.26	-3.82e-03
121	139	1010.00	-48.42	66.30	1.03	69.66	-0.80	-0.02
121	139	1060.00	-44.53	65.20	1.10	43.42	-0.28	-0.02
121	146	700.00	-120.86	-5.49	-2.44	-14.81	-0.59	0.05
121	146	752.50	-118.93	-5.42	-2.40	-21.19	-0.52	0.05
121	146	805.00	-106.80	-18.61	-3.30	-5.30	-2.06	0.05
121	146	857.50	-94.51	-21.24	-2.22	15.10	-3.55	0.01
121	146	910.00	-80.40	-20.22	-1.06	30.35	-4.41	2.11e-03
121	146	960.00	-74.89	-18.86	1.78	65.38	-4.24	-0.05
121	146	1010.00	-64.28	-17.45	3.23	52.89	-3.00	-0.06
121	146	1060.00	-56.14	-6.80	4.39	34.06	-1.11	-0.05
121	155	700.00	-80.67	77.74	-2.56	125.50	-0.69	0.07
121	155	752.50	-78.74	77.82	-2.53	119.11	-0.61	0.07
121	155	805.00	-73.28	55.03	-3.27	112.06	-2.24	0.10
121	155	857.50	-82.04	51.62	-2.26	161.83	-3.63	0.09
121	155	910.00	-69.90	55.84	-1.09	136.71	-4.53	0.03
121	155	960.00	-58.41	54.48	1.94	112.41	-4.32	-0.03
121	155	1010.00	-50.97	53.39	3.34	78.54	-2.99	-0.05
121	155	1060.00	-49.02	54.77	4.31	46.47	-1.09	-0.05
121	165	700.00	-62.43	89.39	1.05	274.43	0.16	-0.02
121	165	752.50	-60.51	89.47	1.09	268.05	0.23	-4.00e-03
121	165	805.00	-59.89	80.43	0.94	231.16	0.60	0.02
121	165	857.50	-56.27	79.39	0.41	182.07	1.11	0.03
121	165	910.00	-53.76	77.35	7.72e-03	135.56	1.19	0.02
121	165	960.00	-49.71	74.70	-0.30	85.20	1.14	0.02
121	165	1010.00	-46.65	72.18	-0.81	53.61	0.90	0.01
121	165	1060.00	-42.92	68.64	-1.39	34.36	0.34	7.71e-03
121	171	700.00	-70.02	97.27	-0.52	268.50	-0.23	0.02
121	171	752.50	-68.10	97.35	-0.49	262.12	-0.16	0.03
121	171	805.00	-65.29	80.87	-1.00	228.90	-0.72	0.06
121	171	857.50	-64.46	78.00	-0.90	204.57	-1.05	0.06
121	171	910.00	-57.85	77.54	-0.63	158.90	-1.48	0.04
121	171	960.00	-52.25	74.88	0.78	115.75	-1.43	-3.22e-03
121	171	1010.00	-47.45	72.40	1.17	74.65	-0.91	-0.02
121	171	1060.00	-43.68	70.83	1.25	46.40	-0.32	-0.02
121	178	700.00	-120.16	-4.53	-2.45	-9.17	-0.60	0.05
121	178	752.50	-118.24	-4.45	-2.41	-15.55	-0.52	0.05
121	178	805.00	-105.98	-17.28	-3.29	-0.67	-2.06	0.05
121	178	857.50	-93.66	-19.78	-2.21	18.77	-3.55	0.02
121	178	910.00	-79.63	-18.84	-1.05	32.92	-4.41	3.54e-03
121	178	960.00	-74.10	-17.55	1.78	66.58	-4.23	-0.05
121	178	1010.00	-63.75	-16.21	3.23	53.76	-3.00	-0.06
121	178	1060.00	-55.87	-5.91	4.38	34.54	-1.11	-0.05
121	187	700.00	-81.81	77.43	-2.66	130.59	-0.71	0.07
121	187	752.50	-79.89	77.51	-2.63	124.21	-0.64	0.07
121	187	805.00	-73.75	54.93	-3.36	116.36	-2.32	0.10
121	187	857.50	-81.53	51.52	-2.32	163.76	-3.76	0.10
121	187	910.00	-69.48	55.44	-1.13	139.08	-4.68	0.04
121	187	960.00	-58.16	54.05	2.01	114.99	-4.46	-0.03
121	187	1010.00	-50.86	52.97	3.45	80.51	-3.08	-0.05
121	187	1060.00	-48.76	54.40	4.45	47.57	-1.12	-0.05
121	197	700.00	-63.01	88.59	1.04	271.11	0.15	-0.02
121	197	752.50	-61.09	88.67	1.08	264.72	0.23	-3.73e-03
121	197	805.00	-60.44	79.51	0.91	228.48	0.59	0.02
121	197	857.50	-56.78	78.45	0.39	180.04	1.09	0.03
121	197	910.00	-54.23	76.44	-2.17e-03	134.13	1.16	0.02
121	197	960.00	-50.19	73.82	-0.28	84.36	1.11	0.02
121	197	1010.00	-47.00	71.34	-0.79	53.15	0.88	9.52e-03
121	197	1060.00	-43.08	67.96	-1.36	34.11	0.33	7.20e-03
121	203	700.00	-70.73	96.66	-0.56	268.40	-0.24	0.02
121	203	752.50	-68.81	96.74	-0.53	262.01	-0.17	0.03
121	203	805.00	-65.73	80.31	-1.05	228.91	-0.75	0.06
121	203	857.50	-64.57	77.46	-0.94	204.22	-1.10	0.06
121	203	910.00	-57.97	76.92	-0.65	158.95	-1.55	0.04
121	203	960.00	-52.41	74.26	0.81	116.04	-1.51	-2.78e-03
121	203	1010.00	-47.61	71.80	1.23	75.04	-0.96	-0.02
121	203	1060.00	-43.69	70.30	1.32	46.62	-0.34	-0.02
121	210	700.00	-125.37	-8.72	-2.90	-18.73	-0.71	0.06

121	210	752.50	-123.45	-8.64	-2.87	-25.11	-0.63	0.06
121	210	805.00	-109.87	-22.54	-3.85	-7.95	-2.43	0.06
121	210	857.50	-96.50	-25.43	-2.58	15.37	-4.18	0.02
121	210	910.00	-81.14	-24.37	-1.24	32.44	-5.18	5.78e-03
121	210	960.00	-75.68	-22.89	2.09	72.44	-4.98	-0.06
121	210	1010.00	-64.76	-21.39	3.80	58.41	-3.53	-0.07
121	210	1060.00	-56.52	-9.96	5.16	37.39	-1.30	-0.06
121	219	700.00	-81.25	87.43	-3.25	144.41	-0.87	0.08
121	219	752.50	-79.33	87.51	-3.22	138.03	-0.80	0.09
121	219	805.00	-72.63	61.79	-4.05	128.81	-2.81	0.13
121	219	857.50	-82.71	57.72	-2.79	185.69	-4.55	0.11
121	219	910.00	-69.59	62.29	-1.36	157.90	-5.65	0.05
121	219	960.00	-57.28	60.62	2.42	130.73	-5.39	-0.03
121	219	1010.00	-49.82	59.32	4.18	90.90	-3.73	-0.06
121	219	1060.00	-48.19	60.56	5.39	53.29	-1.36	-0.06
121	229	700.00	-59.04	99.42	1.20	304.70	0.18	-0.02
121	229	752.50	-57.12	99.50	1.23	298.32	0.25	-4.36e-03
121	229	805.00	-57.21	89.66	1.06	256.50	0.67	0.02
121	229	857.50	-54.01	88.42	0.45	201.11	1.26	0.04
121	229	910.00	-52.10	86.09	-9.51e-03	148.71	1.35	0.03
121	229	960.00	-48.37	83.04	-0.34	91.77	1.28	0.02
121	229	1010.00	-45.62	80.15	-0.90	56.72	1.01	0.01
121	229	1060.00	-41.75	75.80	-1.56	36.37	0.38	9.35e-03
121	235	700.00	-68.15	109.23	-0.73	303.27	-0.30	0.02
121	235	752.50	-66.23	109.31	-0.69	296.88	-0.23	0.04
121	235	805.00	-63.34	90.94	-1.27	258.47	-0.93	0.07
121	235	857.50	-63.00	87.60	-1.13	230.85	-1.36	0.08
121	235	910.00	-56.33	86.97	-0.79	179.04	-1.89	0.04
121	235	960.00	-50.81	83.85	0.97	129.94	-1.84	-1.80e-03
121	235	1010.00	-46.21	80.96	1.50	83.13	-1.18	-0.02
121	235	1060.00	-42.38	78.77	1.63	51.45	-0.42	-0.02
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-178.78	-25.43	-4.05	-25.11	-5.65	-0.07
			-41.75	109.31	5.39	304.70	1.35	0.13

Macro	Tipo	Angolo 1-Z (gradi)
122	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
122	9	700.00	-282.74	9.84	0.43	-28.58	6.58e-03	9.23e-04
122	9	752.50	-279.57	10.23	0.50	-26.63	0.25	-3.42e-03
122	9	805.00	-275.68	7.76	0.27	-9.00	0.39	-0.01
122	9	857.50	-268.31	8.09	0.20	-4.24	0.51	-0.01
122	9	910.00	-261.07	8.49	0.07	-0.28	0.58	-0.01
122	9	960.00	-251.24	9.16	-0.35	11.35	0.43	1.00e-03
122	9	1010.00	-241.63	9.92	-0.40	21.96	0.25	4.00e-03
122	9	1060.00	-230.54	11.08	-0.49	20.82	0.0	2.99e-03
122	31	700.00	-117.73	22.80	-0.53	-25.57	-6.48e-04	-2.90e-03
122	31	752.50	-115.64	23.26	-0.41	-26.63	-0.25	-9.12e-03
122	31	805.00	-112.32	22.66	-0.26	-19.17	-0.45	-0.01
122	31	857.50	-106.92	22.02	-0.03	-18.65	-0.53	-0.01
122	31	910.00	-101.45	21.37	0.17	-17.99	-0.49	-8.12e-03
122	31	960.00	-94.57	20.24	0.22	-11.34	-0.41	7.15e-03
122	31	1010.00	-87.88	19.01	0.43	-3.88	-0.22	0.01
122	31	1060.00	-81.17	17.37	0.44	-4.76	0.0	-7.85e-03
122	42	700.00	-222.72	26.18	-0.79	8.23	2.73e-03	-4.92e-03
122	42	752.50	-220.32	26.41	-0.66	3.73	-0.38	-9.64e-03
122	42	805.00	-217.03	24.02	-0.51	13.20	-0.75	-0.02
122	42	857.50	-210.23	22.90	-0.13	10.82	-0.92	-0.01
122	42	910.00	-203.37	21.79	0.30	8.69	-0.88	-7.07e-03
122	42	960.00	-194.25	19.94	0.47	14.32	-0.74	6.51e-03
122	42	1010.00	-185.51	18.13	0.84	19.27	-0.39	0.01
122	42	1060.00	-175.76	17.86	0.76	14.90	0.0	-0.02
122	44	700.00	-221.26	29.94	-0.84	-9.98	1.16e-03	-4.11e-03
122	44	752.50	-218.70	30.39	-0.68	-13.23	-0.40	-0.01
122	44	805.00	-215.45	28.82	-0.49	-2.19	-0.76	-0.02
122	44	857.50	-208.59	27.72	-0.12	-3.28	-0.92	-0.02
122	44	910.00	-201.63	26.62	0.26	-4.09	-0.89	-8.72e-03
122	44	960.00	-192.47	24.74	0.45	3.34	-0.74	9.91e-03
122	44	1010.00	-183.67	22.83	0.83	11.02	-0.39	0.02

122	44	1060.00	-173.84	21.27	0.75	7.30	0.0	-0.02
122	69	700.00	-201.58	7.80	0.30	-20.73	4.76e-03	2.95e-04
122	69	752.50	-199.20	8.08	0.35	-19.51	0.18	-2.74e-03
122	69	805.00	-196.04	6.18	0.19	-6.95	0.27	-7.87e-03
122	69	857.50	-190.39	6.40	0.15	-3.64	0.36	-8.38e-03
122	69	910.00	-184.84	6.67	0.06	-0.90	0.41	-8.48e-03
122	69	960.00	-177.37	7.13	-0.25	-7.57	0.30	3.44e-04
122	69	1010.00	-170.07	7.65	-0.29	15.26	0.17	2.55e-03
122	69	1060.00	-161.84	8.58	-0.34	14.53	0.0	1.95e-03
122	79	700.00	-125.15	19.23	-0.32	-22.55	5.50e-04	-2.36e-03
122	79	752.50	-123.01	19.62	-0.22	-23.33	-0.14	-7.45e-03
122	79	805.00	-119.58	18.68	-0.15	-15.52	-0.27	-0.01
122	79	857.50	-114.12	18.25	0.01	-14.65	-0.31	-0.01
122	79	910.00	-108.63	17.83	0.15	-13.83	-0.27	-8.10e-03
122	79	960.00	-101.68	17.09	0.10	-7.23	-0.24	4.82e-03
122	79	1010.00	-94.89	16.31	0.24	-0.24	-0.13	7.54e-03
122	79	1060.00	-88.06	15.39	0.25	-1.06	0.0	-5.31e-03
122	86	700.00	-161.57	18.69	-0.51	3.81	2.20e-03	-3.60e-03
122	86	752.50	-159.70	18.87	-0.42	0.73	-0.24	-6.89e-03
122	86	805.00	-156.94	17.03	-0.33	7.84	-0.48	-0.01
122	86	857.50	-151.68	16.28	-0.07	6.40	-0.59	-8.65e-03
122	86	910.00	-146.38	15.54	0.22	5.08	-0.56	-5.68e-03
122	86	960.00	-139.38	14.31	0.30	9.55	-0.48	4.02e-03
122	86	1010.00	-132.66	13.12	0.54	13.46	-0.25	7.63e-03
122	86	1060.00	-125.32	13.10	0.49	10.58	0.0	-0.01
122	88	700.00	-160.59	21.20	-0.55	-8.33	1.15e-03	-3.06e-03
122	88	752.50	-158.61	21.52	-0.44	-10.57	-0.26	-8.07e-03
122	88	805.00	-155.89	20.23	-0.32	-2.41	-0.49	-0.01
122	88	857.50	-150.58	19.49	-0.06	-2.99	-0.60	-0.01
122	88	910.00	-145.21	18.76	0.19	-3.44	-0.56	-6.78e-03
122	88	960.00	-138.20	17.52	0.28	2.23	-0.48	6.28e-03
122	88	1010.00	-131.43	16.25	0.53	7.96	-0.25	9.93e-03
122	88	1060.00	-124.04	15.37	0.49	5.52	0.0	-0.01
122	98	700.00	-127.06	13.80	0.07	-27.54	1.87e-03	-1.06e-03
122	98	752.50	-124.78	14.17	0.13	-27.01	0.05	-5.10e-03
122	98	805.00	-120.99	13.02	0.08	-18.17	0.08	-9.38e-03
122	98	857.50	-115.39	13.03	0.11	-15.89	0.13	-9.82e-03
122	98	910.00	-109.83	13.07	0.09	-13.97	0.18	-8.91e-03
122	98	960.00	-102.77	13.12	-0.15	-6.60	0.12	1.69e-03
122	98	1010.00	-95.82	13.13	-0.14	0.85	0.06	3.55e-03
122	98	1060.00	-88.91	13.00	-0.12	0.85	0.0	1.32e-03
122	99	700.00	-142.44	11.35	0.10	-14.51	3.21e-03	-1.38e-03
122	99	752.50	-140.26	11.58	0.15	-14.81	0.07	-3.88e-03
122	99	805.00	-136.65	9.84	0.07	-6.31	0.09	-7.39e-03
122	99	857.50	-131.09	9.84	0.10	-4.85	0.14	-7.64e-03
122	99	910.00	-125.61	9.87	0.11	-3.77	0.19	-7.81e-03
122	99	960.00	-118.52	9.93	-0.13	2.58	0.12	-1.77e-04
122	99	1010.00	-111.56	10.03	-0.12	8.35	0.06	1.80e-03
122	99	1060.00	-104.45	10.73	-0.12	7.61	0.0	-5.74e-04
122	105	700.00	-126.70	14.89	-0.05	-22.41	1.73e-03	-1.65e-03
122	105	752.50	-124.50	15.23	0.02	-22.55	-7.11e-03	-5.55e-03
122	105	805.00	-120.82	13.99	1.31e-03	-14.36	-0.03	-9.60e-03
122	105	857.50	-115.28	13.85	0.07	-12.79	-0.01	-9.60e-03
122	105	910.00	-109.76	13.74	0.12	-11.49	0.03	-8.33e-03
122	105	960.00	-102.74	13.53	-0.06	-4.72	2.14e-03	2.09e-03
122	105	1010.00	-95.86	13.30	-0.01	2.06	-7.42e-04	4.22e-03
122	105	1060.00	-89.00	13.15	2.00e-03	1.66	0.0	-1.34e-03
122	106	700.00	-128.03	11.29	0.10	-15.40	2.92e-03	-1.60e-03
122	106	752.50	-125.86	11.52	0.15	-15.71	0.07	-3.93e-03
122	106	805.00	-122.05	9.82	0.07	-7.92	0.09	-7.04e-03
122	106	857.50	-116.48	9.82	0.10	-6.49	0.14	-7.39e-03
122	106	910.00	-110.99	9.85	0.11	-5.45	0.19	-7.81e-03
122	106	960.00	-103.96	9.91	-0.13	0.72	0.12	-5.74e-04
122	106	1010.00	-97.05	10.00	-0.13	6.35	0.06	1.25e-03
122	106	1060.00	-90.20	10.72	-0.12	5.92	0.0	-2.60e-04
122	107	700.00	-127.19	13.44	0.07	-25.80	2.02e-03	-1.14e-03
122	107	752.50	-124.93	13.80	0.13	-25.39	0.06	-4.94e-03
122	107	805.00	-121.14	12.56	0.08	-16.71	0.08	-9.05e-03
122	107	857.50	-115.55	12.57	0.11	-14.55	0.13	-9.47e-03
122	107	910.00	-110.00	12.61	0.09	-12.76	0.18	-8.75e-03
122	107	960.00	-102.94	12.66	-0.15	-5.55	0.12	1.37e-03
122	107	1010.00	-96.00	12.69	-0.14	1.64	0.06	3.22e-03
122	107	1060.00	-89.10	12.67	-0.12	1.58	0.0	1.10e-03
122	116	700.00	-163.18	-11.49	2.53	-68.56	0.58	-0.06
122	116	752.50	-160.92	-11.13	2.60	-68.15	0.63	-0.06

122	116	805.00	-152.25	-12.51	3.31	-56.75	2.16	-0.08
122	116	857.50	-145.52	-11.52	2.23	-60.97	3.64	-0.07
122	116	910.00	-138.90	-10.28	1.29	-61.84	4.60	-0.04
122	116	960.00	-125.72	-8.93	-2.50	-35.15	4.28	0.03
122	116	1010.00	-113.26	-7.64	-3.25	-7.18	2.85	0.04
122	116	1060.00	-102.76	-3.13	-4.14	12.51	1.00	0.03
122	119	700.00	-91.21	38.37	-2.39	16.95	-0.57	0.06
122	119	752.50	-88.94	38.72	-2.33	17.36	-0.52	0.05
122	119	805.00	-90.03	37.64	-3.14	23.33	-2.00	0.06
122	119	857.50	-85.57	36.67	-2.01	31.88	-3.38	0.05
122	119	910.00	-81.10	35.50	-1.11	36.33	-4.24	0.02
122	119	960.00	-80.16	34.24	2.21	24.05	-4.04	-0.03
122	119	1010.00	-78.74	33.01	2.97	10.46	-2.72	-0.03
122	119	1060.00	-75.44	28.48	3.90	-9.35	-1.00	-0.03
122	120	700.00	-162.33	-12.38	2.29	-75.06	0.53	-0.07
122	120	752.50	-160.06	-12.03	2.35	-74.64	0.58	-0.07
122	120	805.00	-151.74	-13.19	3.33	-65.52	2.08	-0.09
122	120	857.50	-144.22	-12.11	2.39	-66.80	3.52	-0.09
122	120	910.00	-137.71	-10.78	1.56	-67.29	4.53	-0.05
122	120	960.00	-124.74	-9.28	-2.64	-39.88	4.23	0.03
122	120	1010.00	-112.69	-7.96	-3.22	-10.00	2.78	0.04
122	120	1060.00	-102.13	-3.80	-4.00	9.83	0.97	0.03
122	139	700.00	-101.13	65.74	-0.35	156.43	-0.09	0.03
122	139	752.50	-98.87	66.09	-0.29	156.84	-0.03	0.03
122	139	805.00	-98.64	63.55	-1.19	143.85	-0.55	0.04
122	139	857.50	-96.73	61.57	-0.97	112.70	-0.93	0.04
122	139	910.00	-93.88	59.38	-0.83	84.61	-1.32	0.03
122	139	960.00	-89.67	56.72	1.00	67.47	-1.33	-7.24e-03
122	139	1010.00	-86.08	54.14	0.96	46.21	-0.81	-7.13e-03
122	139	1060.00	-81.01	49.46	1.04	15.86	-0.30	-5.48e-03
122	148	700.00	-167.68	-14.63	2.86	-73.87	0.66	-0.07
122	148	752.50	-165.42	-14.28	2.92	-73.46	0.71	-0.07
122	148	805.00	-156.14	-15.68	3.73	-61.91	2.44	-0.09
122	148	857.50	-149.29	-14.57	2.50	-67.05	4.11	-0.08
122	148	910.00	-142.57	-13.18	1.45	-68.28	5.18	-0.04
122	148	960.00	-128.62	-11.67	-2.81	-38.97	4.83	0.03
122	148	1010.00	-115.47	-10.22	-3.66	-8.32	3.22	0.05
122	148	1060.00	-104.51	-5.11	-4.67	13.94	1.14	0.03
122	151	700.00	-86.71	41.51	-2.71	22.26	-0.65	0.07
122	151	752.50	-84.45	41.87	-2.65	22.67	-0.60	0.06
122	151	805.00	-86.14	40.80	-3.56	28.50	-2.27	0.07
122	151	857.50	-81.80	39.72	-2.29	37.96	-3.84	0.06
122	151	910.00	-77.43	38.40	-1.26	42.77	-4.82	0.02
122	151	960.00	-77.25	36.98	2.52	27.87	-4.59	-0.03
122	151	1010.00	-76.52	35.59	3.38	11.60	-3.09	-0.04
122	151	1060.00	-73.68	30.46	4.42	-10.78	-1.14	-0.03
122	152	700.00	-166.72	-15.65	2.58	-81.21	0.60	-0.07
122	152	752.50	-164.46	-15.29	2.65	-80.80	0.66	-0.08
122	152	805.00	-155.58	-16.45	3.76	-71.81	2.34	-0.10
122	152	857.50	-147.84	-15.25	2.69	-73.65	3.97	-0.10
122	152	910.00	-141.25	-13.76	1.75	-74.44	5.11	-0.05
122	152	960.00	-127.53	-12.08	-2.97	-44.31	4.77	0.03
122	152	1010.00	-114.83	-10.58	-3.62	-11.51	3.13	0.04
122	152	1060.00	-103.81	-5.87	-4.51	10.93	1.10	0.03
122	171	700.00	-97.87	72.28	-0.41	179.21	-0.10	0.03
122	171	752.50	-95.61	72.64	-0.35	179.63	-0.05	0.03
122	171	805.00	-95.83	69.94	-1.36	163.97	-0.63	0.04
122	171	857.50	-94.37	67.71	-1.11	128.68	-1.07	0.05
122	171	910.00	-91.85	65.24	-0.95	96.83	-1.53	0.03
122	171	960.00	-88.00	62.24	1.15	76.60	-1.53	-8.30e-03
122	171	1010.00	-84.83	59.33	1.10	51.78	-0.93	-8.50e-03
122	171	1060.00	-79.98	54.05	1.20	17.61	-0.34	-6.39e-03
122	180	700.00	-166.96	-14.40	2.95	-73.05	0.68	-0.07
122	180	752.50	-164.70	-14.05	3.02	-72.64	0.74	-0.07
122	180	805.00	-155.54	-15.51	3.83	-62.82	2.51	-0.09
122	180	857.50	-148.88	-14.48	2.57	-68.83	4.23	-0.08
122	180	910.00	-142.51	-13.14	1.49	-70.14	5.34	-0.04
122	180	960.00	-128.70	-11.62	-2.90	-39.53	4.97	0.03
122	180	1010.00	-115.63	-10.17	-3.77	-8.57	3.31	0.05
122	180	1060.00	-104.68	-4.86	-4.80	14.20	1.17	0.04
122	183	700.00	-87.43	41.28	-2.81	21.45	-0.68	0.07
122	183	752.50	-85.17	41.64	-2.75	21.86	-0.62	0.06
122	183	805.00	-86.75	40.64	-3.67	29.40	-2.35	0.08
122	183	857.50	-82.21	39.62	-2.35	39.73	-3.96	0.06
122	183	910.00	-77.49	38.36	-1.31	44.63	-4.97	0.02

122	183	960.00	-77.17	36.93	2.60	28.42	-4.73	-0.03
122	183	1010.00	-76.37	35.54	3.49	11.85	-3.18	-0.04
122	183	1060.00	-73.51	30.21	4.56	-11.05	-1.17	-0.03
122	184	700.00	-166.08	-15.51	2.68	-80.64	0.63	-0.08
122	184	752.50	-163.82	-15.15	2.74	-80.23	0.68	-0.08
122	184	805.00	-155.07	-16.38	3.87	-72.98	2.42	-0.11
122	184	857.50	-147.55	-15.24	2.77	-75.73	4.10	-0.10
122	184	910.00	-141.31	-13.80	1.80	-76.55	5.27	-0.06
122	184	960.00	-127.70	-12.11	-3.06	-44.99	4.93	0.03
122	184	1010.00	-115.05	-10.61	-3.74	-11.87	3.24	0.05
122	184	1060.00	-104.04	-5.67	-4.65	11.21	1.14	0.03
122	203	700.00	-98.29	71.60	-0.45	176.68	-0.12	0.03
122	203	752.50	-96.03	71.96	-0.39	177.09	-0.06	0.03
122	203	805.00	-96.18	69.27	-1.41	162.22	-0.67	0.04
122	203	857.50	-94.61	67.09	-1.14	127.66	-1.13	0.05
122	203	910.00	-92.01	64.66	-0.97	95.97	-1.60	0.04
122	203	960.00	-88.08	61.69	1.19	75.66	-1.60	-7.85e-03
122	203	1010.00	-84.87	58.83	1.16	51.20	-0.98	-8.76e-03
122	203	1060.00	-79.98	53.51	1.27	17.16	-0.36	-6.88e-03
122	212	700.00	-174.17	-19.32	3.55	-80.62	0.83	-0.08
122	212	752.50	-171.91	-18.96	3.61	-80.21	0.88	-0.08
122	212	805.00	-161.76	-20.51	4.60	-71.23	3.02	-0.11
122	212	857.50	-154.98	-19.33	3.08	-79.44	5.08	-0.10
122	212	910.00	-148.64	-17.77	1.79	-81.55	6.41	-0.05
122	212	960.00	-133.62	-15.98	-3.46	-45.96	5.98	0.04
122	212	1010.00	-119.43	-14.27	-4.53	-10.40	3.98	0.05
122	212	1060.00	-107.72	-7.87	-5.77	16.83	1.41	0.04
122	215	700.00	-80.22	46.19	-3.41	29.01	-0.82	0.08
122	215	752.50	-77.96	46.55	-3.34	29.42	-0.77	0.07
122	215	805.00	-80.53	45.64	-4.44	37.81	-2.85	0.09
122	215	857.50	-76.11	44.47	-2.86	50.34	-4.81	0.08
122	215	910.00	-71.36	42.99	-1.60	56.04	-6.04	0.03
122	215	960.00	-72.25	41.30	3.17	34.85	-5.74	-0.03
122	215	1010.00	-72.57	39.64	4.25	13.67	-3.86	-0.05
122	215	1060.00	-70.48	33.22	5.52	-13.68	-1.41	-0.04
122	216	700.00	-173.20	-20.67	3.24	-89.62	0.76	-0.09
122	216	752.50	-170.94	-20.31	3.30	-89.21	0.82	-0.09
122	216	805.00	-161.29	-21.59	4.66	-83.26	2.92	-0.13
122	216	857.50	-153.53	-20.28	3.32	-87.68	4.93	-0.12
122	216	910.00	-147.33	-18.60	2.15	-89.18	6.34	-0.07
122	216	960.00	-132.52	-16.60	-3.66	-52.41	5.93	0.04
122	216	1010.00	-118.81	-14.83	-4.50	-14.29	3.90	0.05
122	216	1060.00	-107.01	-8.85	-5.60	13.35	1.37	0.04
122	235	700.00	-93.24	81.28	-0.58	210.01	-0.15	0.04
122	235	752.50	-90.98	81.64	-0.52	210.43	-0.09	0.04
122	235	805.00	-91.80	78.74	-1.72	191.94	-0.83	0.05
122	235	857.50	-90.88	76.20	-1.40	151.53	-1.41	0.07
122	235	910.00	-88.79	73.37	-1.18	114.17	-1.99	0.04
122	235	960.00	-85.42	69.89	1.47	89.06	-1.97	-9.42e-03
122	235	1010.00	-82.86	66.55	1.44	59.33	-1.21	-0.01
122	235	1060.00	-78.29	60.27	1.57	19.43	-0.44	-8.82e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-282.74	-21.59	-5.77	-89.62	-6.04	-0.13
	-70.48	81.64	5.52	210.43	6.41	0.09

Macro	Tipo	Angolo 1-Z (gradi)
123	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
123	7	700.00	-89.55	-26.04	0.59	77.69	5.96e-03	-0.02
123	7	752.50	-89.50	-27.44	0.63	74.60	0.32	-0.02
123	7	805.00	-87.23	-37.87	0.35	70.91	0.55	-0.02
123	7	857.50	-84.81	-37.35	0.16	67.26	0.68	-0.02
123	7	910.00	-82.33	-36.72	-0.08	63.12	0.71	-7.03e-03
123	7	960.00	-78.91	-35.46	-0.40	53.88	0.55	0.02
123	7	1010.00	-76.08	-33.72	-0.68	41.06	0.23	0.02
123	7	1060.00	-71.09	-25.63	-0.45	41.91	0.0	-0.01
123	18	700.00	-186.57	-33.67	0.92	78.44	5.80e-03	-0.02
123	18	752.50	-186.65	-35.21	0.97	75.80	0.50	-0.03
123	18	805.00	-184.59	-46.46	0.60	69.10	0.88	-0.03

123	18	857.50	-181.27	-45.50	0.27	66.13	1.11	-0.02
123	18	910.00	-177.85	-44.42	-0.16	62.51	1.15	-7.30e-03
123	18	960.00	-172.99	-42.39	-0.66	51.38	0.90	0.02
123	18	1010.00	-168.89	-39.85	-1.10	36.50	0.41	0.03
123	18	1060.00	-161.28	-30.43	-0.80	39.84	0.0	-0.02
123	33	700.00	-256.92	-11.79	-0.38	85.41	-1.70e-03	-0.01
123	33	752.50	-255.83	-12.88	-0.27	78.03	-0.17	-0.02
123	33	805.00	-252.52	-18.71	-0.16	63.46	-0.29	-0.02
123	33	857.50	-247.56	-19.13	-0.06	55.15	-0.35	-0.02
123	33	910.00	-242.72	-19.52	0.04	47.39	-0.34	-9.96e-03
123	33	960.00	-236.23	-20.07	0.19	32.49	-0.28	8.57e-03
123	33	1010.00	-230.14	-20.36	0.21	15.84	-0.20	0.01
123	33	1060.00	-220.92	-15.87	0.40	16.21	0.0	3.62e-03
123	67	700.00	-100.32	-22.06	0.37	69.56	4.07e-03	-0.01
123	67	752.50	-100.02	-23.26	0.42	66.52	0.21	-0.02
123	67	805.00	-97.46	-31.74	0.23	62.00	0.36	-0.02
123	67	857.50	-94.59	-31.42	0.10	58.36	0.45	-0.02
123	67	910.00	-91.69	-31.01	-0.07	54.48	0.46	-7.15e-03
123	67	960.00	-87.79	-30.16	-0.26	45.48	0.36	0.01
123	67	1010.00	-84.39	-28.92	-0.47	33.60	0.14	0.02
123	67	1060.00	-79.11	-22.35	-0.27	34.27	0.0	-7.89e-03
123	75	700.00	-135.76	-23.92	0.60	57.47	3.74e-03	-0.01
123	75	752.50	-135.67	-25.01	0.64	55.49	0.33	-0.02
123	75	805.00	-133.80	-32.81	0.40	50.44	0.58	-0.02
123	75	857.50	-131.01	-32.18	0.18	48.16	0.73	-0.02
123	75	910.00	-128.17	-31.46	-0.11	45.47	0.76	-5.79e-03
123	75	960.00	-124.22	-30.10	-0.44	37.13	0.60	0.01
123	75	1010.00	-120.82	-28.40	-0.73	26.21	0.27	0.02
123	75	1060.00	-115.02	-21.89	-0.52	28.35	0.0	-0.01
123	81	700.00	-182.67	-9.34	-0.26	62.11	-1.26e-03	-0.01
123	81	752.50	-181.80	-10.13	-0.18	56.98	-0.12	-0.01
123	81	805.00	-179.08	-14.31	-0.11	46.69	-0.20	-0.01
123	81	857.50	-175.20	-14.60	-0.04	40.83	-0.24	-0.01
123	81	910.00	-171.41	-14.86	0.01	35.39	-0.24	-7.57e-03
123	81	960.00	-166.39	-15.22	0.13	24.54	-0.19	6.27e-03
123	81	1010.00	-161.65	-15.41	0.14	12.44	-0.14	8.83e-03
123	81	1060.00	-154.78	-12.18	0.28	12.60	0.0	2.66e-03
123	98	700.00	-105.32	-16.21	-0.02	69.45	2.00e-03	-0.01
123	98	752.50	-104.66	-17.26	0.04	65.46	7.83e-03	-0.02
123	98	805.00	-101.59	-24.12	-4.82e-03	59.54	-1.66e-03	-0.02
123	98	857.50	-98.21	-24.22	-1.82e-03	54.78	-3.03e-03	-0.01
123	98	910.00	-94.87	-24.26	-0.01	50.15	-4.76e-04	-8.08e-03
123	98	960.00	-90.51	-24.20	2.61e-03	40.61	-9.29e-03	9.06e-03
123	98	1010.00	-86.53	-23.82	-0.06	28.79	-0.05	0.01
123	98	1060.00	-81.01	-18.77	0.09	28.57	0.0	-3.15e-04
123	99	700.00	-125.20	-13.27	-0.06	50.09	-1.44e-04	-0.01
123	99	752.50	-124.37	-14.00	-5.65e-03	47.28	-0.02	-0.01
123	99	805.00	-121.27	-18.03	-5.92e-04	40.98	-0.02	-0.01
123	99	857.50	-117.39	-18.10	-0.01	37.54	-0.03	-0.01
123	99	910.00	-113.57	-18.13	-0.05	34.35	-0.03	-7.20e-03
123	99	960.00	-108.63	-18.11	9.96e-03	25.99	-0.03	6.52e-03
123	99	1010.00	-103.99	-17.90	-0.02	16.39	-0.04	9.40e-03
123	99	1060.00	-98.03	-14.73	0.09	16.72	0.0	4.27e-04
123	103	700.00	-105.40	-17.31	0.10	63.69	2.11e-03	-0.01
123	103	752.50	-104.79	-18.31	0.15	60.42	0.07	-0.02
123	103	805.00	-101.83	-24.87	0.07	55.04	0.11	-0.02
123	103	857.50	-98.46	-24.82	0.03	51.09	0.14	-0.01
123	103	910.00	-95.11	-24.71	-0.04	47.17	0.14	-7.54e-03
123	103	960.00	-90.73	-24.40	-0.08	38.24	0.11	9.51e-03
123	103	1010.00	-86.74	-23.78	-0.18	27.13	0.02	0.01
123	103	1060.00	-81.23	-18.80	-0.03	27.28	0.0	-2.54e-03
123	106	700.00	-111.44	-13.24	-0.06	49.15	-4.39e-05	-0.01
123	106	752.50	-110.55	-13.95	-6.71e-03	46.58	-0.02	-0.01
123	106	805.00	-107.25	-17.85	-3.49e-03	40.94	-0.03	-0.01
123	106	857.50	-103.31	-17.92	-0.02	37.69	-0.03	-0.01
123	106	910.00	-99.43	-17.95	-0.05	34.69	-0.04	-7.27e-03
123	106	960.00	-94.46	-17.93	0.01	26.63	-0.03	6.22e-03
123	106	1010.00	-89.77	-17.72	-0.01	17.37	-0.04	9.06e-03
123	106	1060.00	-84.02	-14.71	0.08	17.42	0.0	7.55e-04
123	107	700.00	-106.20	-15.78	-0.03	66.55	1.71e-03	-0.01
123	107	752.50	-105.50	-16.79	0.04	62.76	4.18e-03	-0.02
123	107	805.00	-102.40	-23.22	-4.63e-03	56.88	-5.02e-03	-0.01
123	107	857.50	-98.94	-23.32	-3.73e-03	52.34	-6.82e-03	-0.01
123	107	910.00	-95.52	-23.36	-0.02	47.94	-5.95e-03	-7.96e-03
123	107	960.00	-91.08	-23.31	4.12e-03	38.61	-0.01	8.66e-03

123	107	1010.00	-86.99	-22.95	-0.05	27.16	-0.05	0.01
123	107	1060.00	-81.44	-18.19	0.09	26.98	0.0	-1.62e-04
123	114	700.00	-104.48	-44.31	-2.27	100.03	-0.52	-0.10
123	114	752.50	-103.78	-45.31	-2.21	96.24	-0.51	-0.10
123	114	805.00	-105.08	-55.18	-3.13	96.35	-1.91	-0.10
123	114	857.50	-105.23	-54.26	-2.11	100.91	-3.24	-0.09
123	114	910.00	-105.35	-53.27	-1.31	107.40	-4.15	-0.04
123	114	960.00	-95.88	-52.35	2.19	85.77	-3.94	0.06
123	114	1010.00	-87.79	-50.94	2.81	64.60	-2.75	0.07
123	114	1060.00	-75.46	-41.55	3.96	52.68	-0.99	0.05
123	127	700.00	-141.86	27.46	-1.26	233.76	-0.34	-0.05
123	127	752.50	-141.17	26.46	-1.20	229.97	-0.34	-0.05
123	127	805.00	-133.48	24.42	-1.38	190.73	-1.02	-0.07
123	127	857.50	-128.98	23.21	-1.29	162.16	-1.78	-0.07
123	127	910.00	-120.70	21.47	-1.06	122.22	-2.42	-0.05
123	127	960.00	-112.30	19.42	1.49	85.69	-2.33	0.02
123	127	1010.00	-104.62	17.58	1.78	48.09	-1.49	0.03
123	127	1060.00	-94.53	14.64	1.92	20.22	-0.51	0.02
123	134	700.00	-75.50	-73.41	-0.12	-51.10	0.04	-0.07
123	134	752.50	-74.81	-74.41	-0.06	-54.89	0.04	-0.06
123	134	805.00	-78.95	-87.36	-1.14	-23.78	-0.30	-0.07
123	134	857.50	-80.24	-85.73	-1.01	4.71	-0.72	-0.08
123	134	910.00	-81.74	-83.54	-0.77	33.27	-1.26	-0.04
123	134	960.00	-76.79	-81.12	0.86	37.13	-1.23	0.03
123	134	1010.00	-73.04	-78.04	0.83	42.37	-0.92	0.04
123	134	1060.00	-66.74	-62.97	1.03	56.99	-0.31	0.02
123	136	700.00	-70.91	-71.91	1.02	-93.94	0.31	-0.02
123	136	752.50	-70.22	-72.91	1.09	-97.73	0.32	-0.03
123	136	805.00	-73.03	-82.21	0.40	-62.95	0.66	-0.03
123	136	857.50	-73.03	-80.81	0.02	-33.41	0.91	-0.05
123	136	910.00	-73.26	-79.43	-0.12	-5.23	0.80	-0.04
123	136	960.00	-70.96	-77.00	-0.21	8.60	0.74	5.84e-03
123	136	1010.00	-69.64	-74.23	-0.59	21.66	0.42	0.01
123	136	1060.00	-66.65	-60.63	-0.94	45.69	0.18	-1.71e-03
123	146	700.00	-104.30	-47.86	-2.56	104.21	-0.58	-0.11
123	146	752.50	-103.61	-48.87	-2.49	100.41	-0.58	-0.11
123	146	805.00	-105.44	-59.17	-3.52	101.26	-2.15	-0.11
123	146	857.50	-106.04	-58.12	-2.37	106.97	-3.64	-0.10
123	146	910.00	-106.58	-57.00	-1.48	114.81	-4.67	-0.04
123	146	960.00	-96.49	-55.97	2.46	91.65	-4.44	0.07
123	146	1010.00	-87.90	-54.43	3.16	69.24	-3.09	0.08
123	146	1060.00	-74.72	-44.47	4.44	55.87	-1.11	0.05
123	159	700.00	-146.30	32.83	-1.41	254.54	-0.39	-0.05
123	159	752.50	-145.60	31.83	-1.35	250.75	-0.38	-0.06
123	159	805.00	-137.35	30.33	-1.56	207.40	-1.15	-0.07
123	159	857.50	-132.74	28.99	-1.45	175.89	-2.00	-0.08
123	159	910.00	-123.85	27.04	-1.19	131.54	-2.73	-0.05
123	159	960.00	-114.95	24.72	1.68	91.60	-2.62	0.02
123	159	1010.00	-106.83	22.61	2.00	50.73	-1.67	0.03
123	159	1060.00	-96.16	18.72	2.15	19.40	-0.57	0.02
123	166	700.00	-71.69	-80.60	-0.14	-65.79	0.04	-0.07
123	166	752.50	-70.99	-81.60	-0.07	-69.58	0.04	-0.07
123	166	805.00	-76.04	-95.37	-1.28	-33.88	-0.34	-0.08
123	166	857.50	-77.91	-93.51	-1.13	-1.26	-0.81	-0.09
123	166	910.00	-80.02	-91.05	-0.86	31.40	-1.42	-0.05
123	166	960.00	-75.00	-88.33	0.96	36.92	-1.38	0.04
123	166	1010.00	-71.30	-84.91	0.95	44.24	-1.03	0.05
123	166	1060.00	-64.90	-68.55	1.15	60.72	-0.35	0.02
123	168	700.00	-66.51	-78.91	1.15	-113.94	0.35	-0.03
123	168	752.50	-65.82	-79.91	1.21	-117.73	0.35	-0.03
123	168	805.00	-69.38	-89.57	0.44	-77.90	0.74	-0.04
123	168	857.50	-69.81	-87.99	0.02	-44.07	1.01	-0.06
123	168	910.00	-70.50	-86.43	-0.13	-11.81	0.89	-0.04
123	168	960.00	-68.47	-83.69	-0.24	4.90	0.82	5.48e-03
123	168	1010.00	-67.49	-80.62	-0.66	21.02	0.47	0.01
123	168	1060.00	-64.81	-65.93	-1.06	48.06	0.20	-1.88e-03
123	178	700.00	-104.34	-46.93	-2.48	101.15	-0.56	-0.11
123	178	752.50	-103.64	-47.93	-2.41	97.36	-0.56	-0.10
123	178	805.00	-105.17	-58.05	-3.39	98.23	-2.07	-0.10
123	178	857.50	-105.51	-57.06	-2.27	103.68	-3.51	-0.09
123	178	910.00	-105.75	-56.00	-1.40	110.98	-4.48	-0.04
123	178	960.00	-95.97	-55.00	2.35	88.76	-4.26	0.06
123	178	1010.00	-87.72	-53.49	3.03	66.79	-2.97	0.08
123	178	1060.00	-74.89	-43.72	4.28	54.39	-1.07	0.05
123	198	700.00	-72.25	-79.56	-0.15	-64.60	0.04	-0.07

123	198	752.50	-71.56	-80.56	-0.09	-68.39	0.04	-0.07
123	198	805.00	-76.34	-94.17	-1.26	-33.58	-0.34	-0.08
123	198	857.50	-78.07	-92.35	-1.09	-1.49	-0.80	-0.08
123	198	910.00	-79.97	-89.93	-0.81	30.37	-1.38	-0.05
123	198	960.00	-75.04	-87.25	0.93	36.07	-1.34	0.04
123	198	1010.00	-71.45	-83.88	0.91	43.26	-1.00	0.05
123	198	1060.00	-65.16	-67.74	1.14	59.84	-0.34	0.02
123	199	700.00	-145.63	40.07	-1.49	246.46	-0.41	-4.75e-03
123	199	752.50	-144.93	39.06	-1.43	242.66	-0.41	-9.46e-03
123	199	805.00	-135.44	38.80	-0.74	192.50	-0.97	1.36e-03
123	199	857.50	-128.27	37.12	-0.20	150.67	-1.36	0.02
123	199	910.00	-120.90	34.87	0.02	110.55	-1.31	0.02
123	199	960.00	-113.52	32.40	0.45	74.73	-1.22	0.01
123	199	1010.00	-106.08	29.90	0.83	33.99	-0.83	0.01
123	199	1060.00	-96.61	24.34	1.60	5.69	-0.30	4.04e-03
123	200	700.00	-67.22	-77.99	1.07	-110.75	0.33	-0.03
123	200	752.50	-66.52	-78.99	1.13	-114.54	0.33	-0.03
123	200	805.00	-69.98	-88.69	0.38	-75.65	0.68	-0.04
123	200	857.50	-70.41	-87.10	-0.01	-42.11	0.92	-0.06
123	200	910.00	-71.08	-85.53	-0.14	-10.28	0.80	-0.04
123	200	960.00	-68.94	-82.84	-0.20	5.96	0.74	5.52e-03
123	200	1010.00	-67.86	-79.80	-0.59	21.72	0.42	0.01
123	200	1060.00	-65.09	-65.24	-0.95	48.20	0.18	-1.47e-03
123	210	700.00	-103.97	-51.81	-2.86	105.77	-0.65	-0.12
123	210	752.50	-103.27	-52.82	-2.80	101.98	-0.64	-0.11
123	210	805.00	-105.45	-63.46	-3.90	103.99	-2.39	-0.11
123	210	857.50	-106.32	-62.32	-2.60	110.95	-4.04	-0.10
123	210	910.00	-107.05	-61.10	-1.60	119.93	-5.16	-0.04
123	210	960.00	-96.51	-59.95	2.70	95.96	-4.90	0.07
123	210	1010.00	-87.69	-58.26	3.49	72.39	-3.41	0.09
123	210	1060.00	-73.82	-47.74	4.92	58.31	-1.23	0.06
123	228	700.00	-60.34	-80.85	1.66	-142.56	0.48	-0.02
123	228	752.50	-59.64	-81.85	1.72	-146.35	0.48	-0.03
123	228	805.00	-63.97	-95.48	0.83	-100.87	1.10	-0.03
123	228	857.50	-64.85	-93.72	0.21	-61.97	1.55	-0.05
123	228	910.00	-66.04	-91.18	-0.07	-24.80	1.49	-0.04
123	228	960.00	-65.00	-88.19	-0.50	-3.33	1.38	3.14e-03
123	228	1010.00	-64.80	-84.51	-1.06	19.31	0.85	0.01
123	228	1060.00	-63.77	-67.72	-1.63	51.83	0.34	-5.11e-03
123	230	700.00	-66.69	-89.94	-0.18	-86.44	0.04	-0.08
123	230	752.50	-65.99	-90.94	-0.12	-90.23	0.05	-0.08
123	230	805.00	-71.99	-105.70	-1.45	-48.88	-0.39	-0.08
123	230	857.50	-74.54	-103.57	-1.25	-10.83	-0.93	-0.09
123	230	910.00	-77.26	-100.75	-0.93	26.84	-1.59	-0.05
123	230	960.00	-72.30	-97.65	1.06	35.16	-1.54	0.04
123	230	1010.00	-68.85	-93.78	1.06	45.51	-1.15	0.05
123	230	1060.00	-62.50	-75.81	1.31	64.98	-0.40	0.03
123	231	700.00	-152.06	49.28	-1.71	275.67	-0.48	-2.88e-03
123	231	752.50	-151.36	48.28	-1.65	271.88	-0.47	-7.35e-03
123	231	805.00	-140.83	49.03	-0.84	214.62	-1.11	4.97e-03
123	231	857.50	-133.03	47.09	-0.22	166.65	-1.56	0.02
123	231	910.00	-125.00	44.47	0.03	120.69	-1.51	0.02
123	231	960.00	-117.15	41.58	0.51	80.56	-1.40	0.01
123	231	1010.00	-109.19	38.61	0.96	35.00	-0.94	0.01
123	231	1060.00	-99.11	31.35	1.82	2.12	-0.34	4.79e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-256.92	-105.70	-3.90	-146.35	-5.16	-0.12
	-59.64	49.28	4.92	275.67	1.55	0.09

Macro	Tipo	Angolo 1-Z (gradi)
124	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
124	7	700.00	-91.87	-22.57	0.46	88.78	0.01	-0.03
124	7	752.50	-91.17	-23.87	0.78	84.49	0.34	-0.03
124	7	805.00	-87.54	-32.78	0.59	77.16	0.61	-2.58e-03
124	7	857.50	-83.91	-32.26	0.40	69.28	0.87	-2.86e-03
124	7	910.00	-80.20	-31.55	0.17	61.30	1.02	-2.80e-03
124	7	960.00	-77.45	-30.19	-0.64	53.36	0.73	3.20e-03
124	7	1010.00	-74.96	-28.46	-0.95	41.12	0.30	3.91e-03

124	7	1060.00	-70.46	-20.71	-0.58	40.85	0.0	-0.03
124	18	700.00	-190.41	-29.35	0.75	87.24	0.01	-0.03
124	18	752.50	-189.46	-30.78	1.11	84.20	0.50	-0.03
124	18	805.00	-185.96	-40.38	0.87	72.95	0.94	-5.08e-03
124	18	857.50	-181.24	-39.42	0.55	65.14	1.31	-4.07e-03
124	18	910.00	-176.39	-38.25	0.14	57.16	1.50	-2.97e-03
124	18	960.00	-172.12	-36.10	-0.94	48.03	1.10	5.44e-03
124	18	1010.00	-168.27	-33.59	-1.42	34.26	0.47	7.62e-03
124	18	1060.00	-161.14	-24.82	-0.91	36.53	0.0	-0.04
124	33	700.00	-261.18	-7.96	-0.51	87.85	8.39e-04	-0.02
124	33	752.50	-259.09	-8.97	-0.22	80.97	-0.19	-0.02
124	33	805.00	-254.86	-13.71	0.03	62.51	-0.26	-1.38e-03
124	33	857.50	-248.89	-14.13	0.14	50.55	-0.22	-3.49e-03
124	33	910.00	-243.01	-14.48	0.25	39.53	-0.11	-7.52e-03
124	33	960.00	-236.73	-14.98	-0.01	26.63	-0.15	-2.92e-03
124	33	1010.00	-230.63	-15.33	-0.03	11.24	-0.17	-2.28e-03
124	33	1060.00	-221.63	-11.65	0.34	11.00	0.0	-0.01
124	67	700.00	-102.61	-18.93	0.26	78.37	9.52e-03	-0.02
124	67	752.50	-101.69	-20.04	0.54	74.44	0.22	-0.02
124	67	805.00	-98.00	-27.25	0.44	66.65	0.41	-2.50e-03
124	67	857.50	-94.09	-26.92	0.31	59.33	0.61	-3.00e-03
124	67	910.00	-90.13	-26.45	0.15	52.10	0.73	-3.62e-03
124	67	960.00	-86.76	-25.52	-0.47	44.32	0.51	1.77e-03
124	67	1010.00	-83.62	-24.29	-0.70	33.04	0.19	2.47e-03
124	67	1060.00	-78.73	-18.08	-0.38	32.79	0.0	-0.02
124	75	700.00	-138.53	-20.82	0.48	63.72	8.46e-03	-0.02
124	75	752.50	-137.71	-21.83	0.74	61.45	0.33	-0.02
124	75	805.00	-134.81	-28.46	0.59	53.14	0.62	-3.84e-03
124	75	857.50	-131.04	-27.83	0.37	47.39	0.88	-3.22e-03
124	75	910.00	-127.18	-27.05	0.10	41.58	1.01	-2.72e-03
124	75	960.00	-123.65	-25.62	-0.64	34.67	0.74	3.44e-03
124	75	1010.00	-120.41	-23.93	-0.96	24.54	0.31	5.02e-03
124	75	1060.00	-114.95	-17.89	-0.60	25.92	0.0	-0.03
124	81	700.00	-185.70	-6.55	-0.36	64.13	5.17e-04	-0.01
124	81	752.50	-184.12	-7.29	-0.15	59.30	-0.13	-0.01
124	81	805.00	-180.75	-10.68	0.03	46.19	-0.17	-1.37e-03
124	81	857.50	-176.14	-10.97	0.10	37.66	-0.14	-2.84e-03
124	81	910.00	-171.59	-11.20	0.17	29.84	-0.07	-5.75e-03
124	81	960.00	-166.72	-11.53	-0.02	20.40	-0.09	-2.14e-03
124	81	1010.00	-161.99	-11.76	-0.03	9.19	-0.12	-1.57e-03
124	81	1060.00	-155.28	-9.11	0.23	8.90	0.0	-0.01
124	98	700.00	-107.52	-13.32	-0.12	76.86	6.17e-03	-0.02
124	98	752.50	-106.30	-14.30	0.14	72.12	9.94e-03	-0.02
124	98	805.00	-102.25	-20.05	0.18	63.22	0.04	-1.42e-03
124	98	857.50	-97.97	-20.16	0.18	55.19	0.13	-2.90e-03
124	98	910.00	-93.71	-20.15	0.18	47.57	0.23	-5.06e-03
124	98	960.00	-89.78	-20.03	-0.18	39.16	0.13	-8.24e-04
124	98	1010.00	-86.00	-19.67	-0.26	27.90	-2.95e-03	-6.77e-04
124	98	1060.00	-80.80	-14.97	5.64e-03	26.87	0.0	-0.01
124	99	700.00	-127.44	-10.92	-0.15	53.56	1.68e-03	-0.01
124	99	752.50	-126.07	-11.60	0.04	50.66	-0.03	-0.01
124	99	805.00	-122.34	-14.91	0.13	41.94	-1.75e-04	-2.53e-03
124	99	857.50	-117.81	-14.98	0.12	36.08	0.06	-3.34e-03
124	99	910.00	-113.33	-14.98	0.09	30.69	0.13	-5.29e-03
124	99	960.00	-108.60	-14.92	-0.12	23.40	0.07	-1.11e-03
124	99	1010.00	-104.03	-14.73	-0.18	14.43	-0.02	-2.99e-04
124	99	1060.00	-98.24	-11.97	0.03	14.25	0.0	-0.01
124	103	700.00	-107.59	-14.53	-1.68e-03	70.54	6.02e-03	-0.02
124	103	752.50	-106.42	-15.46	0.24	66.64	0.07	-0.02
124	103	805.00	-102.53	-20.97	0.25	58.38	0.15	-2.12e-03
124	103	857.50	-98.28	-20.92	0.21	51.28	0.27	-3.08e-03
124	103	910.00	-94.05	-20.76	0.14	44.49	0.37	-4.66e-03
124	103	960.00	-90.08	-20.38	-0.26	36.67	0.24	-6.12e-05
124	103	1010.00	-86.28	-19.79	-0.38	26.14	0.06	4.52e-04
124	103	1060.00	-81.07	-15.17	-0.12	25.53	0.0	-0.02
124	106	700.00	-113.47	-11.00	-0.14	53.00	1.73e-03	-0.01
124	106	752.50	-112.09	-11.66	0.04	50.22	-0.03	-0.01
124	106	805.00	-108.17	-14.86	0.12	42.28	-2.55e-04	-2.62e-03
124	106	857.50	-103.61	-14.93	0.11	36.66	0.06	-3.43e-03
124	106	910.00	-99.09	-14.93	0.08	31.52	0.12	-5.35e-03
124	106	960.00	-94.35	-14.87	-0.12	24.43	0.06	-1.19e-03
124	106	1010.00	-89.74	-14.68	-0.16	15.72	-0.01	-4.01e-04
124	106	1060.00	-84.16	-12.03	0.03	15.26	0.0	-9.61e-03
124	107	700.00	-108.37	-12.99	-0.13	73.45	5.54e-03	-0.02
124	107	752.50	-107.13	-13.93	0.12	68.99	4.90e-03	-0.02

124	107	805.00	-103.10	-19.31	0.17	60.23	0.04	-1.60e-03
124	107	857.50	-98.77	-19.41	0.17	52.54	0.12	-2.98e-03
124	107	910.00	-94.48	-19.40	0.16	45.28	0.22	-5.10e-03
124	107	960.00	-90.43	-19.29	-0.17	37.06	0.12	-8.76e-04
124	107	1010.00	-86.54	-18.96	-0.25	26.16	-4.45e-03	-6.37e-04
124	107	1060.00	-81.28	-14.55	8.85e-03	25.21	0.0	-0.01
124	114	700.00	-101.84	-29.41	-2.51	32.43	-0.57	-0.10
124	114	752.50	-100.60	-30.35	-2.26	27.97	-0.57	-0.10
124	114	805.00	-99.89	-40.31	-2.96	36.28	-1.97	-0.08
124	114	857.50	-98.62	-42.26	-1.86	51.00	-3.19	-0.08
124	114	910.00	-97.75	-40.07	-1.05	69.74	-3.89	-0.03
124	114	960.00	-91.34	-39.56	2.08	55.36	-3.74	0.04
124	114	1010.00	-84.93	-38.74	2.39	40.92	-2.64	0.05
124	114	1060.00	-79.28	-30.73	3.95	40.16	-0.98	0.02
124	124	700.00	-72.45	-65.19	0.96	-79.77	0.33	0.02
124	124	752.50	-71.21	-66.13	1.21	-84.23	0.33	0.02
124	124	805.00	-71.91	-75.51	1.64	-62.03	0.97	0.05
124	124	857.50	-68.67	-73.52	1.22	-50.25	1.73	0.06
124	124	910.00	-69.10	-71.97	1.22	-26.07	2.39	0.03
124	124	960.00	-67.73	-69.21	-1.70	-2.40	2.18	-9.96e-03
124	124	1010.00	-67.21	-66.13	-1.97	13.42	1.29	-0.02
124	124	1060.00	-64.85	-52.54	-1.75	38.87	0.45	-0.03
124	127	700.00	-144.29	39.21	-1.21	226.67	-0.32	-0.05
124	127	752.50	-143.05	38.28	-0.96	222.21	-0.32	-0.06
124	127	805.00	-134.29	36.89	-1.30	182.49	-0.90	-0.05
124	127	857.50	-128.87	34.70	-0.88	155.34	-1.48	-0.07
124	127	910.00	-119.85	33.16	-0.90	116.63	-1.96	-0.04
124	127	960.00	-113.13	30.62	1.35	76.51	-1.95	8.21e-03
124	127	1010.00	-105.87	28.21	1.48	38.90	-1.30	0.02
124	127	1060.00	-97.71	23.44	1.77	11.55	-0.45	5.40e-03
124	130	700.00	-72.88	-68.56	-0.22	-85.56	0.03	-0.02
124	130	752.50	-71.64	-69.49	0.03	-90.02	0.03	-0.02
124	130	805.00	-72.90	-80.33	0.12	-63.69	-0.02	0.01
124	130	857.50	-71.32	-79.23	0.24	-42.60	0.08	0.03
124	130	910.00	-73.17	-77.06	0.60	-8.47	0.33	0.03
124	130	960.00	-70.08	-74.29	-0.60	7.61	0.23	0.01
124	130	1010.00	-68.49	-71.22	-0.61	20.28	-0.04	7.59e-03
124	130	1060.00	-65.53	-56.83	0.23	43.57	-0.05	-0.01
124	146	700.00	-101.06	-31.46	-2.81	27.29	-0.64	-0.11
124	146	752.50	-99.82	-32.40	-2.56	22.83	-0.64	-0.11
124	146	805.00	-99.52	-42.93	-3.35	33.26	-2.22	-0.09
124	146	857.50	-98.63	-45.12	-2.11	50.79	-3.61	-0.09
124	146	910.00	-98.17	-42.64	-1.20	72.77	-4.40	-0.03
124	146	960.00	-91.47	-42.09	2.36	57.64	-4.22	0.04
124	146	1010.00	-84.75	-41.20	2.72	42.74	-2.97	0.06
124	146	1060.00	-79.04	-32.75	4.44	42.00	-1.10	0.03
124	156	700.00	-67.97	-71.71	1.10	-98.87	0.37	0.02
124	156	752.50	-66.73	-72.65	1.35	-103.32	0.37	0.03
124	156	805.00	-68.02	-82.53	1.82	-77.30	1.09	0.06
124	156	857.50	-64.90	-80.27	1.35	-63.11	1.93	0.07
124	156	910.00	-65.92	-78.52	1.35	-35.04	2.66	0.04
124	156	960.00	-64.88	-75.44	-1.89	-7.35	2.44	-0.01
124	156	1010.00	-64.79	-72.01	-2.19	11.80	1.45	-0.02
124	156	1060.00	-62.79	-57.29	-1.97	40.57	0.50	-0.03
124	159	700.00	-148.77	45.73	-1.35	245.77	-0.36	-0.06
124	159	752.50	-147.53	44.79	-1.10	241.31	-0.36	-0.06
124	159	805.00	-138.19	43.90	-1.49	197.76	-1.02	-0.06
124	159	857.50	-132.64	41.45	-1.01	168.20	-1.68	-0.07
124	159	910.00	-123.04	39.72	-1.03	125.59	-2.23	-0.05
124	159	960.00	-115.98	36.85	1.54	81.47	-2.20	9.32e-03
124	159	1010.00	-108.29	34.09	1.70	40.52	-1.46	0.02
124	159	1060.00	-99.77	28.18	1.98	9.86	-0.50	7.69e-03
124	162	700.00	-68.46	-75.50	-0.23	-105.42	0.04	-0.02
124	162	752.50	-67.21	-76.44	0.02	-109.88	0.04	-0.01
124	162	805.00	-69.13	-87.96	0.11	-79.22	-0.02	0.02
124	162	857.50	-67.87	-86.72	0.26	-54.60	0.08	0.04
124	162	910.00	-70.47	-84.27	0.66	-15.37	0.35	0.03
124	162	960.00	-67.51	-81.17	-0.66	3.83	0.25	0.01
124	162	1010.00	-66.21	-77.75	-0.66	19.46	-0.04	8.62e-03
124	162	1060.00	-63.55	-62.12	0.26	45.82	-0.05	-0.01
124	178	700.00	-101.32	-31.22	-2.72	27.87	-0.61	-0.11
124	178	752.50	-100.08	-32.16	-2.47	23.42	-0.61	-0.10
124	178	805.00	-99.62	-42.62	-3.21	33.12	-2.14	-0.08
124	178	857.50	-98.51	-44.72	-2.00	49.59	-3.47	-0.08
124	178	910.00	-97.71	-42.32	-1.12	70.13	-4.22	-0.03

124	178	960.00	-91.18	-41.74	2.24	56.03	-4.05	0.04
124	178	1010.00	-84.68	-40.84	2.59	41.56	-2.85	0.06
124	178	1060.00	-79.04	-32.48	4.28	41.21	-1.06	0.03
124	188	700.00	-68.59	-70.88	1.06	-96.24	0.36	0.02
124	188	752.50	-67.34	-71.82	1.31	-100.69	0.36	0.02
124	188	805.00	-68.46	-81.63	1.76	-75.57	1.06	0.05
124	188	857.50	-65.22	-79.42	1.31	-62.04	1.86	0.06
124	188	910.00	-66.12	-77.68	1.31	-34.52	2.57	0.04
124	188	960.00	-65.11	-74.64	-1.83	-7.07	2.35	-0.01
124	188	1010.00	-64.98	-71.27	-2.12	11.63	1.40	-0.02
124	188	1060.00	-62.98	-56.70	-1.89	40.13	0.49	-0.03
124	191	700.00	-148.16	44.90	-1.31	243.13	-0.35	-0.06
124	191	752.50	-146.91	43.96	-1.06	238.68	-0.35	-0.06
124	191	805.00	-137.74	43.00	-1.42	196.03	-0.98	-0.06
124	191	857.50	-132.33	40.60	-0.96	167.13	-1.61	-0.07
124	191	910.00	-122.83	38.87	-0.98	125.07	-2.14	-0.05
124	191	960.00	-115.75	36.06	1.48	81.18	-2.12	8.69e-03
124	191	1010.00	-108.09	33.35	1.63	40.69	-1.40	0.02
124	191	1060.00	-99.59	27.60	1.91	10.30	-0.49	7.13e-03
124	194	700.00	-69.01	-74.71	-0.20	-103.01	0.04	-0.02
124	194	752.50	-67.77	-75.64	0.05	-107.46	0.04	-0.01
124	194	805.00	-69.47	-87.12	0.15	-78.05	5.53e-03	0.02
124	194	857.50	-67.92	-85.89	0.28	-54.81	0.12	0.04
124	194	910.00	-70.18	-83.47	0.67	-17.02	0.40	0.03
124	194	960.00	-67.42	-80.41	-0.67	2.89	0.30	0.01
124	194	1010.00	-66.19	-77.02	-0.69	18.45	-0.01	8.09e-03
124	194	1060.00	-63.60	-61.55	0.21	44.96	-0.04	-0.01
124	210	700.00	-100.17	-34.23	-3.12	20.46	-0.71	-0.12
124	210	752.50	-98.92	-35.17	-2.87	16.01	-0.71	-0.11
124	210	805.00	-99.01	-46.49	-3.72	28.50	-2.47	-0.09
124	210	857.50	-98.34	-48.90	-2.33	48.51	-4.01	-0.09
124	210	910.00	-97.98	-46.11	-1.31	73.06	-4.89	-0.03
124	210	960.00	-91.14	-45.44	2.60	58.44	-4.68	0.05
124	210	1010.00	-84.27	-44.44	3.01	43.65	-3.28	0.07
124	210	1060.00	-78.60	-35.44	4.93	43.61	-1.22	0.03
124	220	700.00	-62.12	-80.36	1.24	-123.96	0.42	0.03
124	220	752.50	-60.87	-81.30	1.49	-128.42	0.42	0.03
124	220	805.00	-62.79	-91.83	1.99	-97.89	1.21	0.06
124	220	857.50	-59.69	-89.26	1.48	-80.97	2.13	0.07
124	220	910.00	-61.41	-87.23	1.48	-47.79	2.93	0.04
124	220	960.00	-60.92	-83.72	-2.08	-14.39	2.69	-0.01
124	220	1010.00	-61.41	-79.85	-2.41	9.14	1.61	-0.02
124	220	1060.00	-59.96	-63.62	-2.18	42.49	0.56	-0.04
124	223	700.00	-154.63	54.38	-1.50	270.86	-0.41	-0.06
124	223	752.50	-153.38	53.44	-1.25	266.41	-0.41	-0.07
124	223	805.00	-143.42	53.21	-1.66	218.36	-1.14	-0.07
124	223	857.50	-137.86	50.44	-1.13	186.06	-1.88	-0.08
124	223	910.00	-127.54	48.43	-1.16	138.35	-2.50	-0.05
124	223	960.00	-119.94	45.14	1.74	88.50	-2.46	0.01
124	223	1010.00	-111.66	41.93	1.91	43.18	-1.62	0.02
124	223	1060.00	-102.60	34.51	2.20	7.93	-0.56	0.01
124	226	700.00	-62.55	-84.94	-0.21	-132.14	0.05	-0.02
124	226	752.50	-61.30	-85.87	0.04	-136.59	0.05	-0.01
124	226	805.00	-63.89	-98.41	0.14	-101.15	3.98e-03	0.02
124	226	857.50	-62.71	-96.97	0.30	-73.09	0.13	0.05
124	226	910.00	-65.94	-94.14	0.75	-28.25	0.43	0.04
124	226	960.00	-63.46	-90.58	-0.75	-3.31	0.33	0.02
124	226	1010.00	-62.70	-86.69	-0.77	16.76	-8.68e-03	9.72e-03
124	226	1060.00	-60.60	-69.38	0.23	48.01	-0.04	-0.01

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-261.18	-98.41	-3.72	-136.59	-4.89	-0.12
	-59.69	54.38	4.93	270.86	2.93	0.07

Macro	Tipo	Angolo 1-Z (gradi)
125	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
125	7	700.00	-52.46	-15.85	-0.67	33.13	-0.06	0.01
125	7	752.50	-52.97	-16.07	-0.88	39.46	-0.47	-1.64e-03
125	7	805.00	-53.16	-18.68	0.19	34.98	-0.39	-0.05

125	7	857.50	-53.01	-18.69	0.21	31.96	-0.27	-0.04
125	7	910.00	-52.84	-18.63	0.05	29.02	-0.18	-0.02
125	7	960.00	-49.89	-17.95	0.32	21.66	0.01	0.03
125	7	1010.00	-47.07	-17.15	0.34	12.14	0.12	0.02
125	7	1060.00	-41.73	-14.05	-0.25	7.95	0.0	0.04
125	11	700.00	-136.59	-16.61	-0.73	32.24	-0.07	5.77e-03
125	11	752.50	-137.20	-16.86	-0.96	38.60	-0.51	-8.81e-03
125	11	805.00	-137.96	-19.90	0.23	28.88	-0.42	-0.06
125	11	857.50	-137.39	-19.91	0.23	24.14	-0.29	-0.05
125	11	910.00	-136.74	-19.85	0.05	19.71	-0.19	-0.03
125	11	960.00	-132.13	-19.18	0.45	7.11	0.06	0.04
125	11	1010.00	-128.06	-18.43	0.55	-7.20	0.22	0.03
125	11	1060.00	-119.83	-16.59	-0.48	-12.49	0.0	0.07
125	17	700.00	-78.91	-20.87	-0.71	25.71	-0.06	6.30e-03
125	17	752.50	-79.54	-21.13	-0.94	34.21	-0.50	-7.16e-03
125	17	805.00	-79.49	-24.26	0.18	29.75	-0.43	-0.05
125	17	857.50	-78.66	-24.27	0.20	28.37	-0.31	-0.05
125	17	910.00	-77.79	-24.21	0.03	27.15	-0.23	-0.02
125	17	960.00	-73.48	-23.15	0.41	18.95	3.95e-03	0.04
125	17	1010.00	-69.50	-21.93	0.44	8.70	0.14	0.03
125	17	1060.00	-62.45	-18.60	-0.30	4.84	0.0	0.05
125	33	700.00	-148.02	-3.98	-0.43	31.53	-0.03	-0.01
125	33	752.50	-148.10	-4.09	-0.55	33.30	-0.29	-0.02
125	33	805.00	-146.92	-5.35	0.07	23.80	-0.27	-0.04
125	33	857.50	-144.55	-5.36	0.06	18.64	-0.23	-0.04
125	33	910.00	-142.10	-5.33	-0.03	13.80	-0.21	-0.02
125	33	960.00	-136.45	-5.57	0.44	0.59	0.01	0.03
125	33	1010.00	-131.20	-5.91	0.47	-13.47	0.17	0.02
125	33	1060.00	-122.76	-7.02	-0.36	-20.88	0.0	0.05
125	67	700.00	-59.02	-13.18	-0.57	28.14	-0.05	5.27e-03
125	67	752.50	-59.41	-13.36	-0.74	33.54	-0.39	-5.63e-03
125	67	805.00	-59.12	-15.49	0.14	29.38	-0.33	-0.04
125	67	857.50	-58.42	-15.50	0.15	26.93	-0.25	-0.04
125	67	910.00	-57.68	-15.45	0.02	24.57	-0.18	-0.02
125	67	960.00	-54.38	-14.98	0.32	17.41	2.39e-03	0.03
125	67	1010.00	-51.22	-14.44	0.33	8.50	0.10	0.02
125	67	1060.00	-45.78	-12.22	-0.22	4.32	0.0	0.04
125	71	700.00	-98.15	-11.94	-0.51	23.03	-0.05	2.15e-03
125	71	752.50	-98.56	-12.11	-0.68	27.71	-0.36	-8.07e-03
125	71	805.00	-98.79	-14.24	0.15	21.08	-0.30	-0.04
125	71	857.50	-98.07	-14.25	0.15	17.99	-0.21	-0.04
125	71	910.00	-97.30	-14.20	0.02	15.12	-0.15	-0.02
125	71	960.00	-93.66	-13.75	0.34	6.07	0.03	0.03
125	71	1010.00	-90.40	-13.25	0.40	-4.18	0.15	0.02
125	71	1060.00	-84.21	-11.99	-0.33	-8.19	0.0	0.05
125	74	700.00	-59.70	-14.78	-0.51	18.67	-0.04	2.51e-03
125	74	752.50	-60.12	-14.96	-0.66	24.78	-0.35	-6.98e-03
125	74	805.00	-59.81	-17.15	0.12	21.66	-0.31	-0.04
125	74	857.50	-58.92	-17.16	0.13	20.80	-0.23	-0.04
125	74	910.00	-58.00	-17.11	0.01	20.08	-0.18	-0.02
125	74	960.00	-54.56	-16.40	0.31	13.97	-4.93e-03	0.03
125	74	1010.00	-51.35	-15.58	0.32	6.42	0.10	0.02
125	74	1060.00	-45.96	-13.33	-0.21	3.36	0.0	0.04
125	81	700.00	-105.77	-3.52	-0.32	22.55	-0.02	-9.55e-03
125	81	752.50	-105.83	-3.60	-0.40	24.17	-0.21	-0.02
125	81	805.00	-104.77	-4.54	0.04	17.69	-0.20	-0.03
125	81	857.50	-102.85	-4.54	0.04	14.32	-0.18	-0.03
125	81	910.00	-100.87	-4.52	-0.03	11.17	-0.17	-0.01
125	81	960.00	-96.54	-4.68	0.33	1.73	1.49e-03	0.02
125	81	1010.00	-92.49	-4.91	0.35	-8.36	0.12	0.02
125	81	1060.00	-86.16	-5.62	-0.25	-13.79	0.0	0.04
125	98	700.00	-62.52	-9.06	-0.48	28.85	-0.04	7.75e-05
125	98	752.50	-62.75	-9.19	-0.61	32.75	-0.33	-9.22e-03
125	98	805.00	-61.85	-10.72	0.10	28.52	-0.29	-0.04
125	98	857.50	-60.60	-10.73	0.11	25.76	-0.23	-0.03
125	98	910.00	-59.31	-10.69	-2.36e-04	23.09	-0.19	-0.02
125	98	960.00	-55.71	-10.62	0.31	15.68	-0.01	0.03
125	98	1010.00	-52.18	-10.54	0.30	6.75	0.09	0.02
125	98	1060.00	-46.66	-9.29	-0.19	1.85	0.0	0.04
125	99	700.00	-74.19	-7.34	-0.32	16.32	-0.02	-8.51e-03
125	99	752.50	-74.32	-7.43	-0.40	19.69	-0.21	-0.01
125	99	805.00	-73.00	-8.53	0.03	16.23	-0.21	-0.03
125	99	857.50	-71.03	-8.53	0.03	15.14	-0.19	-0.03
125	99	910.00	-69.03	-8.51	-0.04	14.18	-0.19	-0.01
125	99	960.00	-64.92	-8.47	0.31	7.52	-0.02	0.02

125	99	1010.00	-61.01	-8.44	0.29	0.05	0.08	0.02
125	99	1060.00	-55.34	-8.17	-0.16	-3.99	0.0	0.03
125	103	700.00	-62.56	-9.98	-0.46	25.01	-0.04	-6.81e-04
125	103	752.50	-62.81	-10.11	-0.59	29.30	-0.32	-9.52e-03
125	103	805.00	-61.95	-11.70	0.09	25.49	-0.28	-0.04
125	103	857.50	-60.65	-11.71	0.10	23.39	-0.23	-0.03
125	103	910.00	-59.33	-11.68	-3.93e-03	21.39	-0.19	-0.02
125	103	960.00	-55.69	-11.48	0.31	14.41	-0.01	0.03
125	103	1010.00	-52.17	-11.26	0.30	6.03	0.09	0.02
125	103	1060.00	-46.68	-9.93	-0.19	1.63	0.0	0.04
125	106	700.00	-66.73	-7.45	-0.32	16.26	-0.02	-8.64e-03
125	106	752.50	-66.84	-7.54	-0.40	19.74	-0.21	-0.01
125	106	805.00	-65.37	-8.60	0.02	16.90	-0.21	-0.03
125	106	857.50	-63.34	-8.60	0.02	16.10	-0.20	-0.03
125	106	910.00	-61.28	-8.58	-0.04	15.41	-0.19	-0.01
125	106	960.00	-57.19	-8.54	0.31	9.23	-0.03	0.02
125	106	1010.00	-53.27	-8.51	0.27	2.20	0.06	0.02
125	106	1060.00	-47.75	-8.12	-0.14	-1.80	0.0	0.03
125	107	700.00	-63.12	-8.83	-0.46	27.05	-0.04	-1.17e-03
125	107	752.50	-63.33	-8.96	-0.58	30.89	-0.31	-9.96e-03
125	107	805.00	-62.36	-10.42	0.09	26.86	-0.28	-0.04
125	107	857.50	-60.99	-10.43	0.09	24.38	-0.22	-0.03
125	107	910.00	-59.59	-10.39	-6.24e-03	21.99	-0.19	-0.02
125	107	960.00	-55.92	-10.32	0.31	14.76	-0.01	0.03
125	107	1010.00	-52.34	-10.25	0.30	6.10	0.08	0.02
125	107	1060.00	-46.82	-9.12	-0.18	1.33	0.0	0.04
125	114	700.00	-60.14	-24.62	-4.69	40.57	-1.23	-0.12
125	114	752.50	-60.35	-24.74	-4.81	44.42	-1.50	-0.13
125	114	805.00	-57.99	-23.94	-2.43	37.23	-3.23	-0.15
125	114	857.50	-61.57	-23.60	-1.55	44.41	-4.23	-0.11
125	114	910.00	-59.61	-23.06	-0.31	39.82	-4.68	-0.02
125	114	960.00	-58.65	-22.37	2.91	26.25	-3.98	0.09
125	114	1010.00	-48.44	-21.29	3.37	17.44	-2.45	0.08
125	114	1060.00	-47.01	-19.87	3.39	1.58	-0.89	0.10
125	136	700.00	-36.67	-74.50	-0.28	-96.74	-0.09	6.91e-03
125	136	752.50	-36.88	-74.62	-0.40	-92.90	-0.37	-0.02
125	136	805.00	-36.43	-80.55	0.77	-67.79	-0.17	-0.08
125	136	857.50	-39.44	-78.79	0.55	-44.01	0.30	-0.08
125	136	910.00	-41.11	-76.71	0.13	-19.99	0.58	-0.05
125	136	960.00	-40.44	-74.30	0.29	-21.73	0.73	0.03
125	136	1010.00	-39.13	-71.82	-0.04	-3.52	0.73	0.02
125	136	1060.00	-34.91	-58.24	-1.28	16.44	0.27	0.06
125	139	700.00	-89.58	56.83	-0.64	150.84	0.02	-9.25e-03
125	139	752.50	-89.78	56.71	-0.76	154.68	-0.25	-1.10e-03
125	139	805.00	-88.28	59.71	-0.60	121.51	-0.38	5.12e-03
125	139	857.50	-82.54	57.93	-0.36	92.77	-0.75	0.01
125	139	910.00	-78.08	55.93	-0.14	63.98	-0.95	0.02
125	139	960.00	-71.40	53.66	0.33	51.24	-0.76	0.02
125	139	1010.00	-65.54	51.31	0.63	15.72	-0.56	0.02
125	139	1060.00	-58.72	40.00	0.91	-13.78	-0.27	0.01
125	146	700.00	-59.78	-26.58	-5.22	42.25	-1.38	-0.14
125	146	752.50	-59.99	-26.70	-5.34	46.09	-1.65	-0.14
125	146	805.00	-57.45	-25.62	-2.74	38.52	-3.60	-0.16
125	146	857.50	-61.65	-25.23	-1.75	46.92	-4.73	-0.12
125	146	910.00	-59.61	-24.63	-0.35	42.07	-5.25	-0.02
125	146	960.00	-59.00	-23.86	3.23	27.70	-4.48	0.09
125	146	1010.00	-47.96	-22.65	3.76	18.86	-2.77	0.09
125	146	1060.00	-47.03	-21.20	3.84	1.62	-1.00	0.10
125	168	700.00	-33.34	-82.76	-0.26	-112.24	-0.10	7.82e-03
125	168	752.50	-33.54	-82.89	-0.38	-108.40	-0.37	-0.02
125	168	805.00	-33.17	-89.38	0.86	-79.65	-0.16	-0.08
125	168	857.50	-36.73	-87.40	0.60	-52.59	0.37	-0.08
125	168	910.00	-38.79	-85.06	0.15	-25.26	0.67	-0.06
125	168	960.00	-38.48	-82.36	0.29	-26.32	0.82	0.03
125	168	1010.00	-37.47	-79.57	-0.08	-4.73	0.80	0.02
125	168	1060.00	-33.41	-64.42	-1.41	18.35	0.31	0.06
125	171	700.00	-92.91	65.09	-0.66	166.34	0.03	-0.01
125	171	752.50	-93.12	64.97	-0.78	170.18	-0.25	1.32e-04
125	171	805.00	-91.54	68.54	-0.68	133.37	-0.39	0.01
125	171	857.50	-85.24	66.54	-0.41	101.34	-0.82	0.02
125	171	910.00	-80.40	64.28	-0.16	69.24	-1.04	0.03
125	171	960.00	-73.36	61.72	0.33	55.83	-0.85	0.02
125	171	1010.00	-67.20	59.06	0.67	16.94	-0.64	0.02
125	171	1060.00	-60.22	46.19	1.05	-15.69	-0.31	0.01
125	178	700.00	-60.17	-25.91	-5.02	40.07	-1.32	-0.13

125	178	752.50	-60.38	-26.04	-5.15	43.91	-1.60	-0.14
125	178	805.00	-57.81	-24.94	-2.62	36.90	-3.47	-0.16
125	178	857.50	-61.70	-24.59	-1.68	45.64	-4.55	-0.12
125	178	910.00	-59.66	-24.01	-0.34	41.49	-5.05	-0.02
125	178	960.00	-59.00	-23.29	3.10	27.49	-4.30	0.09
125	178	1010.00	-48.16	-22.14	3.62	18.60	-2.66	0.09
125	178	1060.00	-46.92	-20.71	3.69	1.67	-0.96	0.10
125	200	700.00	-33.47	-82.36	-0.31	-110.69	-0.11	6.89e-03
125	200	752.50	-33.67	-82.48	-0.44	-106.85	-0.39	-0.02
125	200	805.00	-33.38	-88.98	0.82	-78.49	-0.20	-0.09
125	200	857.50	-36.93	-87.00	0.58	-51.83	0.31	-0.08
125	200	910.00	-38.92	-84.67	0.14	-24.88	0.60	-0.06
125	200	960.00	-38.53	-81.96	0.31	-26.01	0.77	0.03
125	200	1010.00	-37.55	-79.16	-0.04	-4.70	0.76	0.02
125	200	1060.00	-33.54	-64.14	-1.35	18.32	0.29	0.06
125	203	700.00	-92.78	64.69	-0.60	164.79	0.04	-9.22e-03
125	203	752.50	-92.99	64.56	-0.73	168.63	-0.23	9.97e-04
125	203	805.00	-91.33	68.14	-0.64	132.21	-0.36	0.01
125	203	857.50	-85.05	66.14	-0.40	100.59	-0.76	0.02
125	203	910.00	-80.27	63.89	-0.16	68.86	-0.98	0.03
125	203	960.00	-73.31	61.32	0.31	55.52	-0.79	0.02
125	203	1010.00	-67.12	58.66	0.63	16.90	-0.59	0.02
125	203	1060.00	-60.09	45.90	0.98	-15.66	-0.29	0.01
125	210	700.00	-59.91	-28.44	-5.71	41.32	-1.52	-0.15
125	210	752.50	-60.12	-28.56	-5.83	45.16	-1.79	-0.15
125	210	805.00	-57.26	-27.01	-3.03	37.89	-3.95	-0.17
125	210	857.50	-61.90	-26.62	-1.95	48.77	-5.20	-0.13
125	210	910.00	-59.73	-25.96	-0.39	44.68	-5.78	-0.02
125	210	960.00	-59.57	-25.15	3.52	29.67	-4.95	0.10
125	210	1010.00	-47.53	-23.85	4.12	20.70	-3.08	0.10
125	210	1060.00	-46.91	-22.40	4.28	1.69	-1.11	0.11
125	232	700.00	-28.34	-94.89	-0.29	-133.98	-0.13	8.13e-03
125	232	752.50	-28.55	-95.02	-0.42	-130.14	-0.40	-0.02
125	232	805.00	-28.43	-102.42	0.94	-96.34	-0.19	-0.09
125	232	857.50	-32.82	-100.10	0.67	-64.79	0.39	-0.09
125	232	910.00	-35.36	-97.38	0.17	-32.88	0.73	-0.07
125	232	960.00	-35.51	-94.22	0.31	-33.05	0.89	0.03
125	232	1010.00	-35.00	-90.94	-0.09	-6.61	0.87	0.02
125	232	1060.00	-31.29	-73.56	-1.54	21.21	0.34	0.06
125	235	700.00	-97.91	77.22	-0.62	188.08	0.05	-0.01
125	235	752.50	-98.11	77.10	-0.75	191.92	-0.22	3.01e-03
125	235	805.00	-96.28	81.58	-0.76	150.06	-0.37	0.02
125	235	857.50	-89.16	79.24	-0.48	113.55	-0.84	0.03
125	235	910.00	-83.83	76.60	-0.18	76.86	-1.11	0.03
125	235	960.00	-76.33	73.57	0.32	62.56	-0.92	0.02
125	235	1010.00	-69.67	70.44	0.69	18.81	-0.70	0.02
125	235	1060.00	-62.34	55.32	1.17	-18.55	-0.34	6.65e-03

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-148.10	-102.42	-5.83	-133.98	-5.78	-0.17
	-28.34	81.58	4.28	191.92	0.89	0.11

Macro	Tipo	Angolo 1-Z (gradi)
126	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
126	11	910.00	-0.52	-6.87	1.10	7.87	-2.35e-06	-0.22
126	11	960.00	-0.52	-6.87	1.10	4.43	0.55	-0.37
126	11	1010.00	-1.74	-10.29	0.07	4.13	0.59	-0.41
126	11	1060.00	-2.20	-11.26	-1.07	1.06	0.02	-0.36
126	16	910.00	-0.62	-5.94	1.83	6.77	-1.99e-06	-0.37
126	16	960.00	-0.62	-5.94	1.83	3.81	0.92	-0.62
126	16	1010.00	-1.53	-8.76	0.11	3.35	0.97	-0.69
126	16	1060.00	-2.10	-9.48	-1.77	0.82	0.03	-0.60
126	28	910.00	0.03	-7.28	-0.54	7.34	-2.64e-06	0.11
126	28	960.00	0.03	-7.28	-0.54	3.71	-0.27	0.18
126	28	1010.00	-1.10	-11.03	-0.02	3.09	-0.28	0.21
126	28	1060.00	-2.08	-12.17	0.51	0.86	-7.92e-03	0.18
126	31	910.00	0.33	-5.73	-0.54	5.29	-2.09e-06	0.11
126	31	960.00	0.33	-5.73	-0.54	2.42	-0.27	0.18
126	31	1010.00	-0.41	-8.70	-0.02	1.68	-0.28	0.21

126	31	1060.00	-1.50	-9.62	0.52	0.50	-8.01e-03	0.18
126	71	910.00	-0.37	-5.14	0.74	5.77	-1.78e-06	-0.15
126	71	960.00	-0.37	-5.14	0.74	3.20	0.37	-0.25
126	71	1010.00	-1.23	-7.69	0.05	2.91	0.39	-0.28
126	71	1060.00	-1.66	-8.41	-0.71	0.75	0.01	-0.24
126	73	910.00	-0.43	-4.52	1.22	5.04	-1.54e-06	-0.25
126	73	960.00	-0.43	-4.52	1.22	2.79	0.61	-0.41
126	73	1010.00	-1.09	-6.68	0.08	2.39	0.65	-0.46
126	73	1060.00	-1.60	-7.22	-1.18	0.59	0.02	-0.40
126	79	910.00	0.17	-5.39	-0.36	5.10	-1.96e-06	0.07
126	79	960.00	0.17	-5.39	-0.36	2.41	-0.18	0.12
126	79	1010.00	-0.53	-8.14	-0.01	1.74	-0.18	0.14
126	79	1060.00	-1.51	-8.96	0.34	0.50	-5.22e-03	0.12
126	80	910.00	6.36e-04	-5.42	-0.36	5.43	-1.97e-06	0.07
126	80	960.00	6.35e-04	-5.42	-0.36	2.72	-0.18	0.12
126	80	1010.00	-0.80	-8.19	-0.01	2.22	-0.19	0.14
126	80	1060.00	-1.58	-9.01	0.34	0.61	-5.25e-03	0.12
126	98	910.00	0.03	-5.12	7.93e-03	5.00	-1.84e-06	-1.49e-03
126	98	960.00	0.03	-5.12	7.98e-03	2.44	3.98e-03	-1.24e-03
126	98	1010.00	-0.62	-7.69	6.89e-03	1.80	7.42e-03	-3.14e-04
126	98	1060.00	-1.52	-8.43	-9.43e-03	0.49	4.97e-04	1.11e-03
126	101	910.00	-0.06	-5.05	7.17e-03	5.06	-1.82e-06	-1.48e-03
126	101	960.00	-0.06	-5.05	7.21e-03	2.54	3.59e-03	-1.28e-03
126	101	1010.00	-0.74	-7.58	6.75e-03	1.97	6.97e-03	-4.19e-04
126	101	1060.00	-1.54	-8.31	-8.59e-03	0.53	4.63e-04	9.72e-04
126	102	910.00	-0.18	-4.54	0.25	4.56	-1.64e-06	-0.05
126	102	960.00	-0.18	-4.54	0.25	2.28	0.12	-0.08
126	102	1010.00	-0.73	-6.76	0.02	1.71	0.13	-0.09
126	102	1060.00	-1.51	-7.35	-0.24	0.44	4.18e-03	-0.08
126	107	910.00	5.28e-03	-5.04	7.48e-03	4.93	-1.82e-06	-1.44e-03
126	107	960.00	5.28e-03	-5.04	7.53e-03	2.41	3.75e-03	-1.21e-03
126	107	1010.00	-0.63	-7.57	6.64e-03	1.78	7.07e-03	-3.29e-04
126	107	1060.00	-1.52	-8.28	-8.89e-03	0.48	4.72e-04	1.04e-03
126	108	910.00	-9.85	3.58	0.32	-6.39	0.09	-4.82e-03
126	108	960.00	-9.85	3.58	0.32	-8.91	0.09	-0.03
126	108	1010.00	-7.90	2.64	-1.66e-03	-6.76	0.18	-0.11
126	108	1060.00	-1.71	1.34	-0.29	-0.55	0.06	-0.10
126	111	910.00	9.86	-13.67	-0.30	16.26	-0.09	1.94e-03
126	111	960.00	9.86	-13.67	-0.30	13.74	-0.08	0.03
126	111	1010.00	6.63	-17.77	0.01	10.32	-0.17	0.11
126	111	1060.00	-1.33	-17.91	0.27	1.52	-0.06	0.11
126	139	910.00	0.17	-3.29	-0.55	-2.69	-0.18	0.13
126	139	960.00	0.17	-3.29	-0.55	-5.21	-0.17	0.14
126	139	1010.00	-0.48	-5.76	3.26e-03	-3.82	-0.35	0.17
126	139	1060.00	-1.37	-6.77	0.72	-0.20	-0.12	0.19
126	140	910.00	-11.08	4.66	0.36	-7.80	0.10	-5.20e-03
126	140	960.00	-11.08	4.66	0.36	-10.32	0.10	-0.04
126	140	1010.00	-8.80	3.91	-2.68e-03	-7.82	0.21	-0.12
126	140	1060.00	-1.73	2.54	-0.33	-0.68	0.07	-0.12
126	143	910.00	11.09	-14.74	-0.34	17.66	-0.10	2.33e-03
126	143	960.00	11.09	-14.74	-0.34	15.14	-0.09	0.04
126	143	1010.00	7.53	-19.04	0.02	11.39	-0.19	0.12
126	143	1060.00	-1.31	-19.11	0.31	1.65	-0.06	0.12
126	171	910.00	0.19	-3.07	-0.62	-3.66	-0.20	0.15
126	171	960.00	0.19	-3.07	-0.62	-6.18	-0.19	0.15
126	171	1010.00	-0.47	-5.53	2.80e-03	-4.54	-0.39	0.19
126	171	1060.00	-1.35	-6.57	0.81	-0.28	-0.14	0.21
126	172	910.00	-10.50	4.10	0.35	-6.97	0.10	-5.16e-03
126	172	960.00	-10.51	4.10	0.35	-9.49	0.10	-0.04
126	172	1010.00	-8.35	3.26	-1.65e-03	-7.24	0.20	-0.12
126	172	1060.00	-1.71	1.93	-0.32	-0.62	0.06	-0.11
126	175	910.00	10.52	-14.19	-0.33	16.84	-0.10	2.29e-03
126	175	960.00	10.52	-14.19	-0.33	14.31	-0.09	0.03
126	175	1010.00	7.08	-18.39	0.01	10.80	-0.18	0.12
126	175	1060.00	-1.33	-18.49	0.30	1.58	-0.06	0.12
126	203	910.00	0.15	-3.03	-0.62	-3.71	-0.20	0.14
126	203	960.00	0.15	-3.03	-0.62	-6.23	-0.19	0.15
126	203	1010.00	-0.52	-5.50	2.42e-03	-4.56	-0.39	0.19
126	203	1060.00	-1.37	-6.57	0.80	-0.28	-0.13	0.21
126	204	910.00	-12.02	5.38	0.40	-8.58	0.11	-5.73e-03
126	204	960.00	-12.02	5.38	0.40	-11.10	0.11	-0.04
126	204	1010.00	-9.45	4.79	-2.47e-03	-8.48	0.23	-0.13
126	204	1060.00	-1.73	3.37	-0.37	-0.77	0.07	-0.13
126	207	910.00	12.03	-15.47	-0.38	18.45	-0.11	2.86e-03
126	207	960.00	12.03	-15.47	-0.38	15.93	-0.11	0.04

126	207	1010.00	8.18	-19.92	0.02	12.05	-0.21	0.13
126	207	1060.00	-1.30	-19.94	0.35	1.74	-0.07	0.13
126	235	910.00	0.19	-2.70	-0.72	-5.18	-0.23	0.17
126	235	960.00	0.19	-2.70	-0.72	-7.70	-0.22	0.18
126	235	1010.00	-0.49	-5.17	1.55e-03	-5.63	-0.45	0.22
126	235	1060.00	-1.34	-6.29	0.93	-0.41	-0.16	0.24

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-12.02	-19.94	-1.77	-11.10	-0.45	-0.69
	12.03	5.38	1.83	18.45	0.97	0.24

Macro	Tipo	Angolo 1-Z (gradi)
127	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
127	4	700.00	-2.36	0.37	2.82	1.14	-0.31	-0.02
127	4	752.50	-2.36	0.37	2.82	1.33	1.17	-0.03
127	4	805.00	-1.18	-1.92	2.02	0.32	2.23	-0.03
127	4	857.50	-0.85	-1.92	1.23	-0.69	2.88	-0.02
127	4	910.00	-0.52	-1.92	0.44	-1.69	3.11	-5.98e-03
127	4	960.00	-0.88	0.67	-2.31	-0.57	1.95	0.03
127	4	1010.00	-0.58	0.63	-2.01	-0.33	0.95	0.04
127	4	1060.00	-0.35	0.40	-1.90	-0.14	0.0	0.04
127	11	700.00	-2.36	0.35	2.82	1.08	-0.31	-0.02
127	11	752.50	-2.36	0.35	2.82	1.26	1.17	-0.03
127	11	805.00	-1.18	-1.79	2.02	0.33	2.23	-0.03
127	11	857.50	-0.85	-1.79	1.23	-0.61	2.88	-0.02
127	11	910.00	-0.52	-1.79	0.43	-1.55	3.11	-5.93e-03
127	11	960.00	-0.85	0.65	-2.31	-0.51	1.95	0.03
127	11	1010.00	-0.56	0.65	-2.01	-0.28	0.95	0.04
127	11	1060.00	-0.34	0.43	-1.90	-0.11	0.0	0.04
127	19	700.00	-1.57	0.20	4.69	0.64	-0.49	-0.03
127	19	752.50	-1.57	0.20	4.69	0.75	1.97	-0.05
127	19	805.00	-0.66	-1.00	3.36	0.23	3.74	-0.05
127	19	857.50	-0.40	-1.00	2.04	-0.30	4.81	-0.04
127	19	910.00	-0.15	-1.00	0.72	-0.82	5.18	-8.81e-03
127	19	960.00	-0.40	0.49	-3.85	-0.23	3.26	0.05
127	19	1010.00	-0.26	0.61	-3.35	-0.08	1.58	0.06
127	19	1060.00	-0.19	0.53	-3.16	0.01	0.0	0.06
127	45	700.00	-1.40	0.16	-2.34	0.54	0.23	0.02
127	45	752.50	-1.40	0.16	-2.34	0.62	-1.00	0.02
127	45	805.00	-0.55	-0.87	-1.68	0.17	-1.88	0.02
127	45	857.50	-0.30	-0.87	-1.02	-0.29	-2.41	0.02
127	45	910.00	-0.05	-0.87	-0.35	-0.75	-2.60	3.74e-03
127	45	960.00	-0.36	0.44	1.93	-0.21	-1.63	-0.02
127	45	1010.00	-0.23	0.53	1.68	-0.08	-0.79	-0.03
127	45	1060.00	-0.17	0.44	1.58	8.10e-04	0.0	-0.03
127	68	700.00	-1.76	0.27	1.88	0.83	-0.21	-0.01
127	68	752.50	-1.76	0.27	1.88	0.97	0.78	-0.02
127	68	805.00	-0.86	-1.39	1.35	0.24	1.49	-0.02
127	68	857.50	-0.61	-1.39	0.82	-0.49	1.92	-0.02
127	68	910.00	-0.36	-1.39	0.29	-1.22	2.07	-4.04e-03
127	68	960.00	-0.63	0.50	-1.54	-0.40	1.30	0.02
127	68	1010.00	-0.41	0.50	-1.34	-0.22	0.63	0.03
127	68	1060.00	-0.26	0.33	-1.27	-0.09	0.0	0.02
127	71	700.00	-1.77	0.25	1.88	0.79	-0.21	-0.01
127	71	752.50	-1.77	0.25	1.88	0.92	0.78	-0.02
127	71	805.00	-0.86	-1.30	1.35	0.24	1.49	-0.02
127	71	857.50	-0.61	-1.30	0.82	-0.44	1.92	-0.01
127	71	910.00	-0.36	-1.30	0.29	-1.12	2.07	-4.00e-03
127	71	960.00	-0.61	0.49	-1.54	-0.36	1.30	0.02
127	71	1010.00	-0.40	0.51	-1.34	-0.19	0.63	0.03
127	71	1060.00	-0.25	0.36	-1.27	-0.07	0.0	0.02
127	72	700.00	-1.57	0.20	3.13	0.64	-0.33	-0.02
127	72	752.50	-1.57	0.20	3.13	0.75	1.31	-0.03
127	72	805.00	-0.67	-1.01	2.24	0.22	2.49	-0.03
127	72	857.50	-0.41	-1.01	1.36	-0.31	3.20	-0.02
127	72	910.00	-0.16	-1.01	0.48	-0.84	3.46	-6.04e-03
127	72	960.00	-0.42	0.48	-2.57	-0.24	2.17	0.03
127	72	1010.00	-0.27	0.58	-2.23	-0.09	1.05	0.04
127	72	1060.00	-0.19	0.49	-2.11	2.82e-03	0.0	0.04

127	85	700.00	-1.46	0.17	-1.56	0.57	0.15	0.01
127	85	752.50	-1.46	0.17	-1.56	0.66	-0.67	0.02
127	85	805.00	-0.60	-0.93	-1.12	0.18	-1.25	0.02
127	85	857.50	-0.34	-0.93	-0.68	-0.31	-1.61	0.01
127	85	910.00	-0.09	-0.93	-0.24	-0.80	-1.73	2.33e-03
127	85	960.00	-0.39	0.45	1.29	-0.23	-1.09	-0.02
127	85	1010.00	-0.26	0.53	1.12	-0.10	-0.53	-0.02
127	85	1060.00	-0.18	0.43	1.05	-5.91e-03	0.0	-0.02
127	98	700.00	-1.64	0.23	3.99e-03	0.73	-0.01	1.24e-03
127	98	752.50	-1.64	0.23	3.99e-03	0.86	-0.01	1.88e-04
127	98	805.00	-0.76	-1.23	3.99e-03	0.21	-8.71e-03	-2.36e-04
127	98	857.50	-0.50	-1.23	3.99e-03	-0.44	-6.62e-03	-4.51e-04
127	98	910.00	-0.25	-1.23	3.99e-03	-1.08	-4.52e-03	-6.12e-04
127	98	960.00	-0.54	0.48	5.45e-03	-0.35	-1.80e-03	-8.08e-04
127	98	1010.00	-0.36	0.51	3.54e-03	-0.18	-2.81e-05	-7.87e-04
127	98	1060.00	-0.23	0.37	5.61e-05	-0.06	0.0	-6.27e-04
127	101	700.00	-1.64	0.23	3.89e-03	0.72	-0.01	1.21e-03
127	101	752.50	-1.64	0.23	3.89e-03	0.84	-0.01	1.84e-04
127	101	805.00	-0.76	-1.20	3.89e-03	0.21	-8.50e-03	-2.30e-04
127	101	857.50	-0.51	-1.20	3.89e-03	-0.42	-6.46e-03	-4.41e-04
127	101	910.00	-0.26	-1.20	3.89e-03	-1.05	-4.42e-03	-6.02e-04
127	101	960.00	-0.54	0.48	5.32e-03	-0.34	-1.75e-03	-7.99e-04
127	101	1010.00	-0.35	0.51	3.46e-03	-0.17	-2.32e-05	-7.78e-04
127	101	1060.00	-0.23	0.37	4.65e-05	-0.06	0.0	-6.20e-04
127	102	700.00	-1.54	0.19	0.63	0.61	-0.07	-3.43e-03
127	102	752.50	-1.54	0.19	0.63	0.71	0.26	-5.93e-03
127	102	805.00	-0.65	-0.98	0.45	0.20	0.49	-6.40e-03
127	102	857.50	-0.40	-0.98	0.27	-0.31	0.64	-5.16e-03
127	102	910.00	-0.15	-0.98	0.10	-0.83	0.69	-1.59e-03
127	102	960.00	-0.42	0.46	-0.51	-0.24	0.43	5.72e-03
127	102	1010.00	-0.27	0.56	-0.44	-0.10	0.21	8.02e-03
127	102	1060.00	-0.19	0.46	-0.42	-2.96e-03	0.0	7.50e-03
127	104	700.00	-1.51	0.19	-0.31	0.60	0.02	3.22e-03
127	104	752.50	-1.51	0.19	-0.31	0.70	-0.14	3.24e-03
127	104	805.00	-0.64	-0.96	-0.22	0.19	-0.26	2.97e-03
127	104	857.50	-0.39	-0.96	-0.13	-0.31	-0.33	2.09e-03
127	104	910.00	-0.13	-0.96	-0.04	-0.82	-0.35	8.66e-05
127	104	960.00	-0.42	0.46	0.26	-0.24	-0.22	-3.85e-03
127	104	1010.00	-0.27	0.55	0.23	-0.10	-0.11	-4.97e-03
127	104	1060.00	-0.19	0.45	0.21	-4.70e-03	0.0	-4.52e-03
127	106	700.00	-1.53	0.19	3.07e-03	0.60	-9.63e-03	9.99e-04
127	106	752.50	-1.53	0.19	3.07e-03	0.70	-8.02e-03	1.80e-04
127	106	805.00	-0.65	-0.97	3.07e-03	0.19	-6.40e-03	-1.54e-04
127	106	857.50	-0.40	-0.97	3.07e-03	-0.31	-4.79e-03	-3.29e-04
127	106	910.00	-0.14	-0.97	3.07e-03	-0.82	-3.18e-03	-4.73e-04
127	106	960.00	-0.42	0.46	3.89e-03	-0.24	-1.24e-03	-6.61e-04
127	106	1010.00	-0.27	0.55	2.52e-03	-0.10	2.65e-05	-6.46e-04
127	106	1060.00	-0.19	0.45	-5.31e-05	-4.40e-03	0.0	-5.15e-04
127	107	700.00	-1.62	0.23	3.86e-03	0.72	-0.01	1.21e-03
127	107	752.50	-1.62	0.23	3.86e-03	0.83	-0.01	1.87e-04
127	107	805.00	-0.74	-1.19	3.86e-03	0.21	-8.38e-03	-2.24e-04
127	107	857.50	-0.49	-1.19	3.86e-03	-0.42	-6.36e-03	-4.33e-04
127	107	910.00	-0.24	-1.19	3.86e-03	-1.04	-4.33e-03	-5.93e-04
127	107	960.00	-0.53	0.48	5.23e-03	-0.33	-1.72e-03	-7.87e-04
127	107	1010.00	-0.34	0.51	3.40e-03	-0.17	-2.03e-05	-7.67e-04
127	107	1060.00	-0.22	0.38	4.05e-05	-0.05	0.0	-6.11e-04
127	111	700.00	-6.02	1.74	-0.12	3.98	-0.09	0.02
127	111	752.50	-6.02	1.74	-0.12	4.10	-0.09	0.02
127	111	805.00	-5.32	-9.57	0.15	1.75	-0.31	0.02
127	111	857.50	-4.87	-9.44	0.12	-3.31	-0.50	-0.01
127	111	910.00	-4.78	-9.31	0.09	-8.14	-0.45	-5.52e-03
127	111	960.00	-2.98	2.84	0.39	-3.22	-0.40	-0.01
127	111	1010.00	-2.10	2.55	0.36	-2.20	-0.09	-0.02
127	111	1060.00	-1.42	1.88	0.05	-1.01	-0.03	-0.02
127	113	700.00	3.57	-1.30	-0.25	-2.56	6.58e-03	-6.28e-03
127	113	752.50	3.57	-1.30	-0.25	-2.45	8.61e-03	-8.32e-03
127	113	805.00	4.05	7.16	-0.46	-1.36	0.05	-9.20e-03
127	113	857.50	4.55	7.03	-0.37	2.43	0.09	0.02
127	113	910.00	4.82	6.90	-0.28	6.00	-0.07	6.98e-03
127	113	960.00	2.48	-1.85	0.07	2.53	-0.05	2.54e-03
127	113	1010.00	1.80	-1.52	-8.06e-03	1.85	-0.16	5.61e-03
127	113	1060.00	1.01	-1.13	0.28	0.90	-0.05	6.72e-03
127	114	700.00	-6.82	1.75	0.25	3.99	-0.03	8.69e-03
127	114	752.50	-6.82	1.75	0.25	4.11	-0.03	8.69e-03
127	114	805.00	-5.53	-9.54	0.46	1.77	-0.07	8.75e-03

127	114	857.50	-5.53	-9.42	0.38	-3.27	-0.10	-0.02
127	114	910.00	-5.29	-9.28	0.28	-8.09	0.06	-8.16e-03
127	114	960.00	-3.54	2.81	-0.06	-3.20	0.05	-4.11e-03
127	114	1010.00	-2.49	2.54	0.01	-2.19	0.16	-7.15e-03
127	114	1060.00	-1.46	1.88	-0.28	-1.01	0.05	-7.94e-03
127	135	700.00	-0.24	-0.10	-0.74	-0.10	-0.15	0.02
127	135	752.50	-0.24	-0.10	-0.74	0.02	-0.15	0.02
127	135	805.00	0.61	0.55	-0.55	-0.23	-0.55	0.03
127	135	857.50	0.84	0.54	-0.45	0.04	-0.89	0.01
127	135	910.00	1.11	0.54	-0.34	0.30	-1.10	3.91e-03
127	135	960.00	0.27	0.07	0.95	0.23	-0.97	-0.02
127	135	1010.00	0.22	0.16	0.76	0.23	-0.50	-0.03
127	135	1060.00	0.08	0.12	0.64	0.13	-0.17	-0.03
127	143	700.00	-6.57	1.93	-0.14	4.39	-0.10	0.02
127	143	752.50	-6.57	1.93	-0.14	4.50	-0.10	0.02
127	143	805.00	-5.89	-10.61	0.16	1.94	-0.35	0.02
127	143	857.50	-5.42	-10.47	0.13	-3.67	-0.56	-0.01
127	143	910.00	-5.34	-10.32	0.10	-9.02	-0.51	-6.14e-03
127	143	960.00	-3.28	3.13	0.43	-3.58	-0.45	-0.01
127	143	1010.00	-2.32	2.81	0.41	-2.45	-0.11	-0.02
127	143	1060.00	-1.57	2.07	0.06	-1.13	-0.04	-0.02
127	145	700.00	4.22	-1.49	-0.28	-2.97	8.98e-03	-7.21e-03
127	145	752.50	4.22	-1.49	-0.28	-2.85	0.01	-9.38e-03
127	145	805.00	4.64	8.20	-0.51	-1.55	0.06	-0.01
127	145	857.50	5.18	8.05	-0.41	2.79	0.10	0.02
127	145	910.00	5.44	7.90	-0.31	6.88	-0.07	7.92e-03
127	145	960.00	2.86	-2.14	0.07	2.89	-0.06	2.95e-03
127	145	1010.00	2.07	-1.77	-9.51e-03	2.10	-0.18	6.41e-03
127	145	1060.00	1.17	-1.32	0.31	1.01	-0.06	7.64e-03
127	146	700.00	-7.46	1.94	0.28	4.40	-0.03	9.63e-03
127	146	752.50	-7.46	1.94	0.28	4.52	-0.03	9.76e-03
127	146	805.00	-6.13	-10.58	0.52	1.97	-0.08	9.87e-03
127	146	857.50	-6.16	-10.44	0.42	-3.63	-0.12	-0.02
127	146	910.00	-5.92	-10.29	0.32	-8.96	0.06	-9.11e-03
127	146	960.00	-3.91	3.10	-0.06	-3.56	0.05	-4.53e-03
127	146	1010.00	-2.76	2.79	0.02	-2.44	0.18	-7.94e-03
127	146	1060.00	-1.62	2.07	-0.31	-1.12	0.06	-8.86e-03
127	167	700.00	-0.07	-0.14	-0.83	-0.20	-0.17	0.02
127	167	752.50	-0.07	-0.14	-0.83	-0.08	-0.16	0.03
127	167	805.00	0.78	0.76	-0.62	-0.29	-0.62	0.03
127	167	857.50	1.00	0.75	-0.50	0.09	-1.00	0.02
127	167	910.00	1.28	0.75	-0.38	0.47	-1.23	4.48e-03
127	167	960.00	0.37	0.02	1.07	0.30	-1.09	-0.02
127	167	1010.00	0.29	0.12	0.86	0.27	-0.57	-0.03
127	167	1060.00	0.12	0.09	0.72	0.15	-0.19	-0.04
127	175	700.00	-6.28	1.83	-0.13	4.14	-0.10	0.02
127	175	752.50	-6.28	1.83	-0.13	4.26	-0.10	0.02
127	175	805.00	-5.55	-10.05	0.16	1.82	-0.34	0.02
127	175	857.50	-5.14	-9.91	0.13	-3.51	-0.54	-0.01
127	175	910.00	-5.05	-9.77	0.10	-8.58	-0.49	-5.91e-03
127	175	960.00	-3.12	2.99	0.42	-3.39	-0.44	-0.01
127	175	1010.00	-2.21	2.68	0.39	-2.32	-0.10	-0.02
127	175	1060.00	-1.49	1.97	0.06	-1.07	-0.04	-0.02
127	177	700.00	3.90	-1.40	-0.27	-2.72	7.70e-03	-6.87e-03
127	177	752.50	3.90	-1.40	-0.27	-2.61	9.73e-03	-8.90e-03
127	177	805.00	4.32	7.63	-0.50	-1.43	0.05	-9.74e-03
127	177	857.50	4.87	7.50	-0.40	2.63	0.09	0.02
127	177	910.00	5.14	7.36	-0.30	6.43	-0.08	7.62e-03
127	177	960.00	2.68	-2.00	0.08	2.71	-0.06	2.72e-03
127	177	1010.00	1.94	-1.64	-3.18e-03	1.97	-0.18	5.96e-03
127	177	1060.00	1.09	-1.22	0.31	0.95	-0.05	7.12e-03
127	178	700.00	-7.14	1.85	0.28	4.15	-0.03	9.28e-03
127	178	752.50	-7.14	1.85	0.28	4.27	-0.03	9.28e-03
127	178	805.00	-5.80	-10.02	0.51	1.85	-0.07	9.29e-03
127	178	857.50	-5.85	-9.88	0.41	-3.47	-0.11	-0.02
127	178	910.00	-5.62	-9.74	0.31	-8.52	0.07	-8.81e-03
127	178	960.00	-3.73	2.96	-0.07	-3.37	0.06	-4.29e-03
127	178	1010.00	-2.63	2.67	9.98e-03	-2.31	0.18	-7.50e-03
127	178	1060.00	-1.54	1.98	-0.31	-1.06	0.05	-8.34e-03
127	199	700.00	-0.07	-0.13	-0.82	-0.19	-0.16	0.02
127	199	752.50	-0.07	-0.13	-0.82	-0.08	-0.16	0.03
127	199	805.00	0.78	0.74	-0.61	-0.29	-0.61	0.03
127	199	857.50	1.00	0.74	-0.50	0.08	-0.99	0.02
127	199	910.00	1.28	0.73	-0.37	0.44	-1.22	4.49e-03
127	199	960.00	0.37	0.03	1.05	0.29	-1.08	-0.02

127	199	1010.00	0.29	0.13	0.85	0.27	-0.56	-0.03
127	199	1060.00	0.12	0.09	0.72	0.15	-0.19	-0.04
127	207	700.00	-6.93	2.06	-0.16	4.60	-0.12	0.02
127	207	752.50	-6.93	2.06	-0.16	4.71	-0.11	0.02
127	207	805.00	-6.20	-11.27	0.18	2.03	-0.39	0.02
127	207	857.50	-5.79	-11.12	0.15	-3.96	-0.62	-0.01
127	207	910.00	-5.72	-10.96	0.11	-9.64	-0.57	-6.72e-03
127	207	960.00	-3.48	3.34	0.48	-3.82	-0.51	-0.01
127	207	1010.00	-2.46	2.99	0.45	-2.63	-0.12	-0.02
127	207	1060.00	-1.67	2.20	0.07	-1.21	-0.04	-0.03
127	209	700.00	4.68	-1.63	-0.32	-3.19	0.01	-8.13e-03
127	209	752.50	4.68	-1.63	-0.32	-3.07	0.01	-0.01
127	209	805.00	5.02	8.86	-0.58	-1.65	0.06	-0.01
127	209	857.50	5.64	8.70	-0.47	3.07	0.11	0.02
127	209	910.00	5.91	8.54	-0.35	7.48	-0.09	8.90e-03
127	209	960.00	3.14	-2.35	0.09	3.13	-0.07	3.24e-03
127	209	1010.00	2.26	-1.95	-1.86e-03	2.27	-0.21	6.94e-03
127	209	1060.00	1.28	-1.45	0.36	1.10	-0.06	8.24e-03
127	210	700.00	-7.93	2.08	0.32	4.62	-0.04	0.01
127	210	752.50	-7.93	2.08	0.32	4.74	-0.03	0.01
127	210	805.00	-6.50	-11.24	0.59	2.07	-0.08	0.01
127	210	857.50	-6.62	-11.09	0.47	-3.91	-0.12	-0.02
127	210	910.00	-6.38	-10.93	0.36	-9.57	0.09	-0.01
127	210	960.00	-4.19	3.31	-0.08	-3.80	0.07	-4.81e-03
127	210	1010.00	-2.95	2.97	8.66e-03	-2.61	0.21	-8.48e-03
127	210	1060.00	-1.73	2.21	-0.36	-1.20	0.06	-9.46e-03
127	231	700.00	0.20	-0.19	-0.96	-0.35	-0.19	0.03
127	231	752.50	0.20	-0.19	-0.96	-0.24	-0.19	0.03
127	231	805.00	1.04	1.07	-0.72	-0.38	-0.71	0.03
127	231	857.50	1.25	1.06	-0.58	0.16	-1.15	0.02
127	231	910.00	1.54	1.05	-0.44	0.69	-1.42	5.39e-03
127	231	960.00	0.52	-0.05	1.23	0.39	-1.25	-0.03
127	231	1010.00	0.39	0.07	0.99	0.34	-0.65	-0.04
127	231	1060.00	0.18	0.05	0.83	0.19	-0.22	-0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.93	-11.27	-3.85	-9.64	-2.60	-0.05
	5.91	8.86	4.69	7.48	5.18	0.06

Macro	Tipo	Angolo 1-Z (gradi)
128	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
128	9	700.00	-0.89	1.04	1.14	1.31	-0.37	-0.13
128	9	752.50	-3.08	1.07	0.82	0.55	0.10	-0.08
128	9	805.00	-4.95	1.31	0.56	-0.20	0.35	-0.06
128	9	857.50	-6.73	1.54	0.57	-0.92	0.50	-0.03
128	9	910.00	-8.51	1.79	0.60	-1.51	0.67	2.04e-03
128	9	960.00	-8.34	3.17	-0.02	-1.50	0.54	0.06
128	9	1010.00	-7.65	3.12	-0.21	-1.63	0.32	0.08
128	9	1060.00	-5.26	2.81	-0.69	-1.11	0.0	0.08
128	17	700.00	4.83	0.93	1.52	3.46	-0.41	-0.20
128	17	752.50	2.30	1.03	1.23	2.46	0.31	-0.14
128	17	805.00	0.24	1.06	0.89	1.30	0.60	-0.09
128	17	857.50	-1.95	1.44	0.93	0.25	0.84	-0.05
128	17	910.00	-4.20	1.83	0.99	-0.64	1.11	4.49e-03
128	17	960.00	-5.02	3.63	-0.03	-0.73	0.89	0.09
128	17	1010.00	-4.93	3.73	-0.34	-0.87	0.53	0.13
128	17	1060.00	-2.98	3.49	-1.13	-0.20	0.0	0.14
128	18	700.00	3.70	0.93	1.54	3.17	-0.43	-0.20
128	18	752.50	1.15	1.02	1.24	2.15	0.30	-0.14
128	18	805.00	-0.92	1.02	0.89	0.96	0.60	-0.09
128	18	857.50	-3.12	1.39	0.93	-0.13	0.83	-0.05
128	18	910.00	-5.40	1.77	0.99	-1.06	1.11	4.72e-03
128	18	960.00	-6.15	3.46	-0.02	-1.14	0.88	0.09
128	18	1010.00	-6.01	3.48	-0.34	-1.33	0.53	0.13
128	18	1060.00	-3.99	3.17	-1.13	-0.72	0.0	0.14
128	27	700.00	8.42	1.22	0.77	4.55	-0.60	1.37e-03
128	27	752.50	5.60	1.26	0.10	3.51	-0.37	0.03
128	27	805.00	3.02	1.49	-0.05	2.41	-0.30	0.03
128	27	857.50	0.45	1.43	-0.12	1.23	-0.28	0.01

128	27	910.00	-2.09	1.27	-0.21	0.04	-0.29	-3.51e-03
128	27	960.00	-3.57	3.37	-4.38e-03	-0.31	-0.21	-0.03
128	27	1010.00	-4.06	3.59	0.04	-0.69	-0.12	-0.04
128	27	1060.00	-2.38	3.56	0.27	-0.06	0.0	-0.05
128	69	700.00	-0.52	0.82	0.82	1.01	-0.28	-0.09
128	69	752.50	-2.18	0.84	0.57	0.45	0.09	-0.06
128	69	805.00	-3.61	1.05	0.39	-0.08	0.23	-0.04
128	69	857.50	-4.95	1.21	0.39	-0.60	0.34	-0.02
128	69	910.00	-6.28	1.38	0.40	-1.02	0.45	1.10e-03
128	69	960.00	-6.13	2.47	-0.02	-1.02	0.36	0.04
128	69	1010.00	-5.59	2.45	-0.14	-1.11	0.22	0.05
128	69	1060.00	-3.76	2.25	-0.46	-0.69	0.0	0.06
128	74	700.00	3.29	0.75	1.07	2.45	-0.31	-0.14
128	74	752.50	1.41	0.81	0.84	1.73	0.19	-0.09
128	74	805.00	-0.15	0.89	0.60	0.92	0.40	-0.06
128	74	857.50	-1.76	1.15	0.62	0.18	0.56	-0.03
128	74	910.00	-3.41	1.41	0.66	-0.44	0.74	2.73e-03
128	74	960.00	-3.92	2.77	-0.02	-0.51	0.59	0.06
128	74	1010.00	-3.77	2.86	-0.23	-0.60	0.36	0.09
128	74	1060.00	-2.24	2.70	-0.76	-0.09	0.0	0.09
128	75	700.00	2.54	0.74	1.09	2.25	-0.32	-0.14
128	75	752.50	0.64	0.80	0.85	1.52	0.19	-0.09
128	75	805.00	-0.92	0.86	0.61	0.69	0.40	-0.06
128	75	857.50	-2.55	1.11	0.62	-0.07	0.56	-0.03
128	75	910.00	-4.21	1.37	0.66	-0.72	0.74	2.89e-03
128	75	960.00	-4.67	2.66	-0.02	-0.78	0.59	0.06
128	75	1010.00	-4.50	2.69	-0.23	-0.91	0.36	0.09
128	75	1060.00	-2.91	2.49	-0.76	-0.43	0.0	0.09
128	79	700.00	5.69	0.93	0.57	3.17	-0.43	-1.84e-03
128	79	752.50	3.61	0.96	0.09	2.42	-0.26	0.02
128	79	805.00	1.71	1.17	-0.03	1.66	-0.20	0.02
128	79	857.50	-0.17	1.14	-0.08	0.84	-0.18	7.91e-03
128	79	910.00	-2.00	1.04	-0.14	7.75e-03	-0.19	-2.60e-03
128	79	960.00	-2.95	2.60	-5.28e-03	-0.23	-0.14	-0.02
128	79	1010.00	-3.19	2.77	0.02	-0.48	-0.08	-0.03
128	79	1060.00	-1.84	2.75	0.17	5.03e-03	0.0	-0.03
128	98	700.00	4.11	0.89	0.65	2.59	-0.38	-0.03
128	98	752.50	2.18	0.92	0.25	1.91	-0.14	-4.48e-03
128	98	805.00	0.46	1.13	0.11	1.23	-0.06	-1.42e-03
128	98	857.50	-1.23	1.16	0.08	0.51	-9.93e-03	-1.16e-03
128	98	910.00	-2.89	1.16	0.04	-0.17	0.02	-1.42e-03
128	98	960.00	-3.51	2.62	-0.01	-0.33	0.03	8.57e-04
128	98	1010.00	-3.52	2.76	-0.03	-0.50	0.02	-2.72e-04
128	98	1060.00	-2.04	2.71	-0.04	-0.02	0.0	-2.40e-03
128	99	700.00	1.18	0.91	0.54	1.42	-0.30	-0.03
128	99	752.50	-0.49	0.91	0.21	0.90	-0.11	-4.09e-03
128	99	805.00	-2.00	1.25	0.09	0.47	-0.04	-1.61e-03
128	99	857.50	-3.38	1.28	0.06	6.54e-03	-1.98e-03	-1.32e-03
128	99	910.00	-4.69	1.30	0.03	-0.41	0.02	-1.64e-03
128	99	960.00	-4.69	2.55	-0.01	-0.47	0.02	8.13e-04
128	99	1010.00	-4.28	2.66	-0.03	-0.56	0.02	4.51e-04
128	99	1060.00	-2.56	2.60	-0.03	-0.10	0.0	-1.16e-03
128	103	700.00	3.57	0.87	0.72	2.41	-0.35	-0.05
128	103	752.50	1.69	0.90	0.36	1.74	-0.07	-0.02
128	103	805.00	0.03	1.10	0.21	1.07	0.04	-0.01
128	103	857.50	-1.60	1.18	0.18	0.39	0.10	-7.17e-03
128	103	910.00	-3.20	1.23	0.17	-0.24	0.17	-6.27e-04
128	103	960.00	-3.72	2.65	-0.01	-0.37	0.14	0.01
128	103	1010.00	-3.64	2.78	-0.07	-0.51	0.09	0.02
128	103	1060.00	-2.12	2.71	-0.18	-0.02	0.0	0.02
128	106	700.00	1.48	0.91	0.54	1.50	-0.30	-0.02
128	106	752.50	-0.18	0.91	0.21	0.98	-0.11	-4.04e-03
128	106	805.00	-1.69	1.26	0.09	0.56	-0.04	-1.62e-03
128	106	857.50	-3.06	1.29	0.06	0.11	-1.25e-03	-1.36e-03
128	106	910.00	-4.37	1.31	0.03	-0.30	0.02	-1.70e-03
128	106	960.00	-4.39	2.60	-0.01	-0.36	0.02	7.92e-04
128	106	1010.00	-3.99	2.73	-0.03	-0.44	0.02	4.88e-04
128	106	1060.00	-2.29	2.68	-0.03	0.03	0.0	-1.10e-03
128	107	700.00	3.74	0.90	0.63	2.44	-0.37	-0.03
128	107	752.50	1.84	0.92	0.24	1.78	-0.14	-4.42e-03
128	107	805.00	0.15	1.15	0.11	1.13	-0.05	-1.45e-03
128	107	857.50	-1.49	1.18	0.08	0.45	-8.69e-03	-1.19e-03
128	107	910.00	-3.10	1.18	0.04	-0.19	0.02	-1.46e-03
128	107	960.00	-3.64	2.62	-0.01	-0.33	0.03	8.48e-04
128	107	1010.00	-3.58	2.76	-0.03	-0.49	0.02	-1.64e-04

128	107	1060.00	-2.08	2.71	-0.04	-0.01	0.0	-2.21e-03
128	111	700.00	16.07	-0.66	0.58	-5.28	-0.49	-0.04
128	111	752.50	14.17	-0.64	0.19	-5.94	-0.26	-6.30e-03
128	111	805.00	17.00	-7.74	0.19	-9.25	-0.18	-0.02
128	111	857.50	17.30	-6.86	0.26	-13.05	0.03	-0.02
128	111	910.00	18.68	-6.36	0.20	-16.65	0.14	-0.02
128	111	960.00	7.30	12.17	-0.14	-9.43	0.16	6.91e-03
128	111	1010.00	4.30	14.40	-0.16	-6.86	0.09	7.45e-03
128	111	1060.00	2.06	13.86	-0.11	-3.24	0.02	4.28e-03
128	124	700.00	-11.51	1.69	0.61	4.84	-0.16	-0.04
128	124	752.50	-13.40	1.71	0.22	4.19	0.07	-0.03
128	124	805.00	-18.18	6.57	0.08	5.73	0.14	-0.01
128	124	857.50	-21.38	5.21	0.10	7.29	0.14	-6.30e-03
128	124	910.00	-26.49	5.15	0.13	8.17	0.18	8.74e-03
128	124	960.00	-17.60	-4.67	-0.03	3.82	0.19	0.01
128	124	1010.00	-13.32	-6.15	-0.13	2.62	0.15	0.02
128	124	1060.00	-7.57	-5.77	-0.26	1.62	0.06	0.02
128	127	700.00	18.98	0.10	0.65	0.03	-0.57	-0.02
128	127	752.50	17.09	0.13	0.26	-0.63	-0.34	0.02
128	127	805.00	18.49	-4.27	0.14	-3.47	-0.25	9.79e-03
128	127	857.50	18.40	-2.85	0.05	-6.38	-0.16	3.92e-03
128	127	910.00	20.29	-2.80	-0.05	-8.55	-0.13	-0.01
128	127	960.00	10.33	9.90	7.31e-03	-4.48	-0.13	-0.01
128	127	1010.00	6.15	11.67	0.06	-3.61	-0.11	-0.02
128	127	1060.00	3.42	11.18	0.19	-1.64	-0.06	-0.02
128	138	700.00	0.43	-0.66	0.54	-5.50	-0.21	-0.06
128	138	752.50	-1.46	-0.63	0.15	-6.16	0.02	-0.05
128	138	805.00	-4.41	-5.96	0.26	-6.93	0.11	-0.04
128	138	857.50	-1.24	-5.62	0.38	-9.83	0.29	-0.03
128	138	910.00	3.14	-5.25	0.38	-13.03	0.48	-3.54e-03
128	138	960.00	-1.80	5.54	-0.27	-7.73	0.51	0.03
128	138	1010.00	-2.22	6.31	-0.39	-5.65	0.35	0.05
128	138	1060.00	-1.74	6.01	-0.51	-2.69	0.12	0.05
128	143	700.00	17.61	-0.85	0.57	-6.25	-0.50	-0.04
128	143	752.50	15.72	-0.83	0.18	-6.90	-0.27	-6.54e-03
128	143	805.00	19.11	-8.84	0.20	-10.55	-0.19	-0.02
128	143	857.50	19.64	-7.86	0.29	-14.74	0.03	-0.02
128	143	910.00	21.39	-7.29	0.22	-18.70	0.16	-0.02
128	143	960.00	8.66	13.37	-0.16	-10.57	0.17	7.67e-03
128	143	1010.00	5.28	15.86	-0.17	-7.65	0.09	8.40e-03
128	143	1060.00	2.58	15.25	-0.12	-3.65	0.02	5.09e-03
128	156	700.00	-13.41	1.79	0.61	5.15	-0.14	-0.04
128	156	752.50	-15.30	1.81	0.22	4.49	0.09	-0.03
128	156	805.00	-20.45	7.23	0.07	6.31	0.16	-0.01
128	156	857.50	-23.83	5.71	0.10	8.15	0.16	-6.89e-03
128	156	910.00	-29.36	5.64	0.14	9.21	0.20	0.01
128	156	960.00	-19.32	-5.57	-0.03	4.33	0.21	0.02
128	156	1010.00	-14.51	-7.25	-0.14	3.00	0.17	0.02
128	156	1060.00	-8.24	-6.82	-0.29	1.82	0.06	0.02
128	159	700.00	20.88	4.86e-03	0.66	-0.27	-0.59	-0.02
128	159	752.50	18.99	0.03	0.26	-0.93	-0.36	0.02
128	159	805.00	20.75	-4.94	0.14	-4.04	-0.27	0.01
128	159	857.50	20.85	-3.35	0.05	-7.24	-0.18	4.52e-03
128	159	910.00	23.17	-3.29	-0.06	-9.59	-0.15	-0.01
128	159	960.00	12.04	10.80	9.43e-03	-5.00	-0.15	-0.01
128	159	1010.00	7.34	12.77	0.08	-3.99	-0.13	-0.02
128	159	1060.00	4.09	12.24	0.21	-1.84	-0.06	-0.03
128	170	700.00	0.01	-0.84	0.53	-6.48	-0.19	-0.07
128	170	752.50	-1.88	-0.82	0.14	-7.14	0.04	-0.05
128	170	805.00	-4.99	-6.82	0.28	-7.92	0.13	-0.05
128	170	857.50	-1.23	-6.44	0.42	-11.08	0.32	-0.03
128	170	910.00	3.87	-6.03	0.42	-14.59	0.54	-3.79e-03
128	170	960.00	-1.59	5.89	-0.30	-8.63	0.57	0.04
128	170	1010.00	-2.06	6.74	-0.44	-6.27	0.39	0.05
128	170	1060.00	-1.71	6.40	-0.57	-3.01	0.13	0.05
128	175	700.00	17.34	-0.72	0.58	-5.91	-0.50	-0.04
128	175	752.50	15.45	-0.69	0.19	-6.56	-0.27	-6.21e-03
128	175	805.00	18.45	-8.14	0.19	-10.03	-0.19	-0.02
128	175	857.50	18.74	-7.22	0.27	-13.98	0.03	-0.02
128	175	910.00	20.24	-6.70	0.20	-17.70	0.14	-0.02
128	175	960.00	8.13	12.89	-0.15	-10.01	0.16	7.01e-03
128	175	1010.00	4.87	15.24	-0.16	-7.26	0.09	7.49e-03
128	175	1060.00	2.36	14.67	-0.12	-3.45	0.02	4.26e-03
128	188	700.00	-12.96	1.74	0.61	5.03	-0.14	-0.04
128	188	752.50	-14.85	1.76	0.22	4.37	0.09	-0.03

128	188	805.00	-19.67	6.88	0.07	6.12	0.16	-0.01
128	188	857.50	-22.79	5.47	0.10	7.88	0.15	-6.38e-03
128	188	910.00	-28.14	5.41	0.14	8.83	0.19	9.54e-03
128	188	960.00	-18.59	-5.29	-0.03	4.15	0.20	0.01
128	188	1010.00	-13.95	-6.89	-0.13	2.88	0.17	0.02
128	188	1060.00	-7.90	-6.48	-0.28	1.76	0.06	0.02
128	191	700.00	20.43	0.06	0.66	-0.16	-0.59	-0.02
128	191	752.50	18.54	0.08	0.26	-0.81	-0.36	0.02
128	191	805.00	19.97	-4.59	0.14	-3.85	-0.27	0.01
128	191	857.50	19.81	-3.11	0.06	-6.97	-0.17	4.01e-03
128	191	910.00	21.95	-3.06	-0.05	-9.21	-0.15	-0.01
128	191	960.00	11.31	10.52	8.75e-03	-4.82	-0.15	-0.01
128	191	1010.00	6.78	12.41	0.07	-3.87	-0.13	-0.02
128	191	1060.00	3.74	11.89	0.21	-1.78	-0.06	-0.03
128	202	700.00	-0.04	-0.75	0.53	-6.23	-0.19	-0.07
128	202	752.50	-1.93	-0.72	0.14	-6.89	0.04	-0.05
128	202	805.00	-5.05	-6.35	0.27	-7.60	0.13	-0.05
128	202	857.50	-1.58	-6.00	0.41	-10.56	0.32	-0.03
128	202	910.00	3.19	-5.62	0.40	-13.84	0.53	-3.76e-03
128	202	960.00	-1.91	5.68	-0.29	-8.20	0.55	0.04
128	202	1010.00	-2.31	6.45	-0.42	-5.98	0.38	0.05
128	202	1060.00	-1.83	6.14	-0.56	-2.86	0.13	0.05
128	207	700.00	19.57	-0.92	0.57	-7.17	-0.52	-0.04
128	207	752.50	17.68	-0.90	0.18	-7.83	-0.29	-6.35e-03
128	207	805.00	21.29	-9.37	0.21	-11.68	-0.21	-0.02
128	207	857.50	21.78	-8.33	0.30	-16.07	0.04	-0.02
128	207	910.00	23.68	-7.74	0.22	-20.19	0.16	-0.02
128	207	960.00	9.89	14.41	-0.16	-11.38	0.17	7.71e-03
128	207	1010.00	6.13	17.07	-0.18	-8.22	0.09	8.31e-03
128	207	1060.00	3.03	16.42	-0.12	-3.94	0.02	4.93e-03
128	220	700.00	-15.61	1.85	0.61	5.42	-0.11	-0.04
128	220	752.50	-17.50	1.88	0.22	4.76	0.12	-0.03
128	220	805.00	-22.70	7.70	0.07	6.87	0.19	-0.02
128	220	857.50	-25.96	6.08	0.10	9.01	0.18	-7.08e-03
128	220	910.00	-31.86	6.03	0.15	10.17	0.22	0.01
128	220	960.00	-20.81	-6.50	-0.03	4.83	0.23	0.02
128	220	1010.00	-15.46	-8.36	-0.15	3.39	0.19	0.02
128	220	1060.00	-8.73	-7.87	-0.32	2.03	0.07	0.03
128	223	700.00	23.08	-0.06	0.66	-0.55	-0.63	-0.02
128	223	752.50	21.19	-0.04	0.27	-1.20	-0.40	0.02
128	223	805.00	23.00	-5.40	0.15	-4.61	-0.30	0.01
128	223	857.50	22.98	-3.72	0.06	-8.10	-0.20	4.71e-03
128	223	910.00	25.67	-3.67	-0.07	-10.56	-0.17	-0.01
128	223	960.00	13.53	11.73	0.01	-5.49	-0.17	-0.02
128	223	1010.00	8.29	13.88	0.08	-4.38	-0.15	-0.02
128	223	1060.00	4.58	13.29	0.25	-2.05	-0.07	-0.03
128	234	700.00	-0.65	-0.99	0.52	-7.62	-0.16	-0.07
128	234	752.50	-2.54	-0.96	0.12	-8.27	0.07	-0.06
128	234	805.00	-5.90	-7.46	0.30	-8.97	0.16	-0.06
128	234	857.50	-1.68	-7.06	0.46	-12.23	0.37	-0.04
128	234	910.00	4.02	-6.62	0.46	-15.87	0.61	-4.17e-03
128	234	960.00	-1.72	6.13	-0.34	-9.38	0.64	0.04
128	234	1010.00	-2.17	6.99	-0.49	-6.80	0.44	0.06
128	234	1060.00	-1.82	6.64	-0.64	-3.29	0.15	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-31.86	-9.37	-1.13	-20.19	-0.63	-0.20
	25.67	17.07	1.54	10.17	1.11	0.14

Macro	Tipo	Angolo 1-Z (gradi)
129	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
129	9	700.00	-1.60	-0.05	2.83	-0.08	-0.31	-0.02
129	9	752.50	-1.60	-0.05	2.83	-0.11	1.17	-0.03
129	9	805.00	-0.45	0.39	2.03	0.09	2.24	-0.03
129	9	857.50	-0.12	0.39	1.24	0.30	2.89	-0.02
129	9	910.00	0.21	0.39	0.45	0.50	3.12	-6.03e-03
129	9	960.00	-0.19	0.22	-2.32	0.29	1.96	0.03
129	9	1010.00	-0.13	0.52	-2.02	0.28	0.95	0.04
129	9	1060.00	-0.13	0.63	-1.91	0.23	0.0	0.04

129	19	700.00	-1.16	-0.01	4.71	0.03	-0.50	-0.03
129	19	752.50	-1.16	-0.01	4.71	0.03	1.97	-0.05
129	19	805.00	-0.27	0.12	3.38	0.09	3.75	-0.05
129	19	857.50	-0.02	0.12	2.06	0.15	4.83	-0.04
129	19	910.00	0.23	0.12	0.74	0.21	5.22	-9.37e-03
129	19	960.00	-0.07	0.22	-3.88	0.16	3.28	0.05
129	19	1010.00	-0.05	0.45	-3.38	0.17	1.59	0.07
129	19	1060.00	-0.08	0.52	-3.18	0.16	0.0	0.07
129	28	700.00	-1.43	-0.14	-1.40	-0.33	0.11	0.01
129	28	752.50	-1.43	-0.14	-1.40	-0.40	-0.62	0.02
129	28	805.00	-0.28	0.74	-1.01	-0.01	-1.15	0.01
129	28	857.50	0.05	0.74	-0.61	0.38	-1.47	0.01
129	28	910.00	0.37	0.74	-0.21	0.77	-1.58	1.81e-03
129	28	960.00	-0.19	0.11	1.18	0.38	-0.99	-0.02
129	28	1010.00	-0.13	0.40	1.02	0.32	-0.48	-0.02
129	28	1060.00	-0.12	0.52	0.96	0.24	0.0	-0.02
129	43	700.00	-1.33	-0.10	-2.34	-0.22	0.21	0.02
129	43	752.50	-1.33	-0.10	-2.34	-0.27	-1.02	0.03
129	43	805.00	-0.21	0.53	-1.68	5.93e-03	-1.90	0.03
129	43	857.50	0.11	0.53	-1.02	0.29	-2.44	0.02
129	43	910.00	0.44	0.53	-0.36	0.56	-2.62	3.70e-03
129	43	960.00	-0.10	0.14	1.96	0.30	-1.65	-0.03
129	43	1010.00	-0.08	0.39	1.70	0.26	-0.80	-0.04
129	43	1060.00	-0.10	0.49	1.60	0.20	0.0	-0.03
129	69	700.00	-1.21	-0.04	1.88	-0.05	-0.21	-0.01
129	69	752.50	-1.21	-0.04	1.88	-0.07	0.78	-0.02
129	69	805.00	-0.33	0.26	1.36	0.07	1.49	-0.02
129	69	857.50	-0.08	0.26	0.83	0.21	1.93	-0.02
129	69	910.00	0.18	0.26	0.30	0.35	2.08	-4.07e-03
129	69	960.00	-0.13	0.17	-1.55	0.21	1.31	0.02
129	69	1010.00	-0.09	0.40	-1.35	0.20	0.64	0.03
129	69	1060.00	-0.10	0.47	-1.27	0.17	0.0	0.03
129	72	700.00	-1.14	-0.02	3.14	9.17e-03	-0.34	-0.02
129	72	752.50	-1.14	-0.02	3.14	-9.89e-04	1.31	-0.03
129	72	805.00	-0.26	0.15	2.26	0.08	2.50	-0.03
129	72	857.50	-0.01	0.15	1.37	0.16	3.22	-0.03
129	72	910.00	0.24	0.15	0.49	0.23	3.48	-6.41e-03
129	72	960.00	-0.07	0.20	-2.58	0.17	2.19	0.03
129	72	1010.00	-0.05	0.42	-2.25	0.17	1.06	0.05
129	72	1060.00	-0.08	0.49	-2.12	0.15	0.0	0.04
129	80	700.00	-1.09	-0.09	-0.93	-0.21	0.07	9.68e-03
129	80	752.50	-1.09	-0.09	-0.93	-0.26	-0.42	0.01
129	80	805.00	-0.22	0.50	-0.67	2.79e-03	-0.77	9.94e-03
129	80	857.50	0.03	0.50	-0.41	0.26	-0.98	7.32e-03
129	80	910.00	0.29	0.50	-0.14	0.52	-1.05	1.16e-03
129	80	960.00	-0.13	0.10	0.79	0.27	-0.66	-0.01
129	80	1010.00	-0.09	0.32	0.68	0.23	-0.32	-0.01
129	80	1060.00	-0.09	0.40	0.64	0.17	0.0	-0.01
129	87	700.00	-1.03	-0.07	-1.56	-0.14	0.14	0.01
129	87	752.50	-1.03	-0.07	-1.56	-0.17	-0.68	0.02
129	87	805.00	-0.17	0.36	-1.12	0.01	-1.27	0.02
129	87	857.50	0.08	0.36	-0.68	0.20	-1.62	0.01
129	87	910.00	0.33	0.36	-0.24	0.39	-1.75	2.41e-03
129	87	960.00	-0.07	0.12	1.30	0.21	-1.10	-0.02
129	87	1010.00	-0.05	0.31	1.13	0.19	-0.53	-0.02
129	87	1060.00	-0.08	0.38	1.06	0.15	0.0	-0.02
129	99	700.00	-1.12	-0.03	4.34e-03	-0.02	-0.02	1.78e-03
129	99	752.50	-1.12	-0.03	4.34e-03	-0.03	-0.01	3.89e-04
129	99	805.00	-0.25	0.18	4.34e-03	0.06	-0.01	-1.48e-04
129	99	857.50	2.88e-04	0.18	4.34e-03	0.16	-8.91e-03	-3.73e-04
129	99	910.00	0.25	0.18	4.34e-03	0.25	-6.63e-03	-4.60e-04
129	99	960.00	-0.07	0.17	7.27e-03	0.16	-3.00e-03	-4.74e-04
129	99	1010.00	-0.05	0.36	4.62e-03	0.16	-6.85e-04	-4.66e-04
129	99	1060.00	-0.08	0.42	1.37e-03	0.14	0.0	-3.89e-04
129	102	700.00	-1.11	-0.02	0.63	-3.77e-03	-0.08	-3.11e-03
129	102	752.50	-1.11	-0.02	0.63	-0.02	0.25	-6.28e-03
129	102	805.00	-0.24	0.15	0.45	0.07	0.49	-6.95e-03
129	102	857.50	9.73e-03	0.15	0.28	0.15	0.64	-5.61e-03
129	102	910.00	0.26	0.15	0.10	0.23	0.69	-1.64e-03
129	102	960.00	-0.06	0.18	-0.51	0.16	0.43	6.52e-03
129	102	1010.00	-0.05	0.37	-0.45	0.16	0.21	8.99e-03
129	102	1060.00	-0.08	0.43	-0.42	0.14	0.0	8.34e-03
129	103	700.00	-1.10	-0.06	0.63	-0.11	-0.08	-2.77e-03
129	103	752.50	-1.10	-0.06	0.63	-0.14	0.25	-6.23e-03
129	103	805.00	-0.22	0.32	0.46	0.03	0.49	-7.01e-03

129	103	857.50	0.03	0.32	0.28	0.20	0.63	-5.71e-03
129	103	910.00	0.28	0.32	0.10	0.37	0.69	-1.74e-03
129	103	960.00	-0.09	0.14	-0.51	0.21	0.43	6.48e-03
129	103	1010.00	-0.07	0.35	-0.44	0.20	0.21	8.95e-03
129	103	1060.00	-0.09	0.43	-0.42	0.16	0.0	8.31e-03
129	105	700.00	-1.08	-0.06	-0.31	-0.11	0.01	4.54e-03
129	105	752.50	-1.08	-0.06	-0.31	-0.14	-0.15	3.77e-03
129	105	805.00	-0.21	0.33	-0.22	0.03	-0.26	3.20e-03
129	105	857.50	0.04	0.33	-0.13	0.20	-0.33	2.16e-03
129	105	910.00	0.29	0.33	-0.04	0.37	-0.36	5.03e-05
129	105	960.00	-0.09	0.14	0.27	0.21	-0.22	-4.01e-03
129	105	1010.00	-0.06	0.34	0.23	0.19	-0.11	-5.23e-03
129	105	1060.00	-0.08	0.41	0.21	0.15	0.0	-4.78e-03
129	106	700.00	-1.10	-0.02	4.30e-03	-7.01e-03	-0.02	1.76e-03
129	106	752.50	-1.10	-0.02	4.30e-03	-0.02	-0.01	3.91e-04
129	106	805.00	-0.24	0.15	4.30e-03	0.06	-0.01	-1.40e-04
129	106	857.50	0.02	0.15	4.30e-03	0.14	-8.75e-03	-3.63e-04
129	106	910.00	0.27	0.15	4.30e-03	0.22	-6.49e-03	-4.51e-04
129	106	960.00	-0.06	0.17	7.12e-03	0.15	-2.93e-03	-4.68e-04
129	106	1010.00	-0.05	0.36	4.53e-03	0.16	-6.65e-04	-4.60e-04
129	106	1060.00	-0.08	0.42	1.33e-03	0.14	0.0	-3.84e-04
129	107	700.00	-1.09	-0.06	5.22e-03	-0.11	-0.02	2.10e-03
129	107	752.50	-1.09	-0.06	5.22e-03	-0.14	-0.02	4.35e-04
129	107	805.00	-0.22	0.33	5.22e-03	0.03	-0.01	-2.06e-04
129	107	857.50	0.03	0.33	5.22e-03	0.20	-0.01	-4.64e-04
129	107	910.00	0.29	0.33	5.22e-03	0.37	-8.42e-03	-5.45e-04
129	107	960.00	-0.09	0.14	9.20e-03	0.21	-3.82e-03	-5.14e-04
129	107	1010.00	-0.07	0.34	5.87e-03	0.19	-8.87e-04	-5.02e-04
129	107	1060.00	-0.08	0.42	1.77e-03	0.16	0.0	-4.21e-04
129	108	700.00	4.02	-1.67	0.15	-3.65	0.02	-8.16e-03
129	108	752.50	4.02	-1.67	0.15	-3.69	0.02	-0.01
129	108	805.00	5.18	9.17	0.16	-1.68	0.10	-0.01
129	108	857.50	5.70	9.04	0.13	3.12	0.16	-0.01
129	108	910.00	5.93	8.91	0.10	7.74	0.21	2.59e-03
129	108	960.00	3.26	-1.72	-0.21	3.22	0.19	5.79e-03
129	108	1010.00	2.33	-0.75	-0.16	2.31	0.11	0.01
129	108	1060.00	1.29	-0.03	-0.16	1.15	0.04	0.01
129	113	700.00	4.85	-1.67	-0.22	-3.61	-0.05	-1.08e-03
129	113	752.50	4.85	-1.67	-0.22	-3.64	-0.04	-2.66e-03
129	113	805.00	5.32	9.06	-0.15	-1.66	-0.14	-3.11e-03
129	113	857.50	5.86	8.93	-0.13	3.08	-0.23	-3.15e-03
129	113	910.00	6.10	8.80	-0.09	7.65	-0.29	4.97e-03
129	113	960.00	3.36	-1.70	0.23	3.18	-0.26	-2.86e-03
129	113	1010.00	2.39	-0.75	0.18	2.28	-0.14	-2.44e-03
129	113	1060.00	1.32	-0.15	0.17	1.14	-0.05	-2.01e-03
129	114	700.00	-7.04	1.55	0.23	3.39	6.44e-03	5.27e-03
129	114	752.50	-7.04	1.55	0.23	3.36	9.18e-03	3.53e-03
129	114	805.00	-5.76	-8.41	0.16	1.72	0.12	2.70e-03
129	114	857.50	-5.79	-8.28	0.14	-2.68	0.20	2.22e-03
129	114	910.00	-5.52	-8.15	0.10	-6.91	0.28	-6.06e-03
129	114	960.00	-3.54	1.98	-0.21	-2.76	0.25	1.83e-03
129	114	1010.00	-2.53	1.43	-0.17	-1.90	0.14	1.44e-03
129	114	1060.00	-1.49	0.99	-0.17	-0.83	0.05	1.17e-03
129	135	700.00	0.25	-0.37	-0.60	-0.86	-0.12	0.02
129	135	752.50	0.25	-0.37	-0.60	-0.89	-0.12	0.02
129	135	805.00	1.07	2.00	-0.52	-0.36	-0.41	0.02
129	135	857.50	1.33	1.99	-0.42	0.67	-0.66	0.02
129	135	910.00	1.60	1.98	-0.32	1.70	-0.85	3.29e-03
129	135	960.00	0.68	-0.18	0.74	0.76	-0.74	-0.02
129	135	1010.00	0.48	0.17	0.58	0.58	-0.42	-0.03
129	135	1060.00	0.22	0.37	0.55	0.34	-0.14	-0.03
129	140	700.00	4.66	-1.87	0.17	-4.09	0.02	-9.44e-03
129	140	752.50	4.66	-1.87	0.17	-4.13	0.02	-0.01
129	140	805.00	5.85	10.27	0.18	-1.89	0.11	-0.01
129	140	857.50	6.41	10.13	0.14	3.48	0.19	-0.01
129	140	910.00	6.63	9.98	0.12	8.66	0.24	2.99e-03
129	140	960.00	3.68	-1.95	-0.24	3.60	0.21	6.58e-03
129	140	1010.00	2.62	-0.89	-0.18	2.57	0.12	0.01
129	140	1060.00	1.46	-0.09	-0.18	1.28	0.04	0.01
129	145	700.00	5.59	-1.87	-0.25	-4.04	-0.05	-1.48e-03
129	145	752.50	5.59	-1.87	-0.25	-4.08	-0.05	-3.05e-03
129	145	805.00	6.01	10.15	-0.17	-1.87	-0.16	-3.47e-03
129	145	857.50	6.59	10.00	-0.14	3.44	-0.25	-3.49e-03
129	145	910.00	6.82	9.85	-0.10	8.56	-0.33	5.66e-03
129	145	960.00	3.79	-1.93	0.25	3.55	-0.29	-3.15e-03

129	145	1010.00	2.70	-0.88	0.20	2.54	-0.16	-2.68e-03
129	145	1060.00	1.50	-0.22	0.19	1.26	-0.05	-2.21e-03
129	146	700.00	-7.78	1.75	0.26	3.82	9.65e-03	5.67e-03
129	146	752.50	-7.78	1.75	0.26	3.79	0.01	3.92e-03
129	146	805.00	-6.45	-9.49	0.18	1.93	0.13	3.06e-03
129	146	857.50	-6.52	-9.35	0.15	-3.04	0.23	2.56e-03
129	146	910.00	-6.25	-9.20	0.11	-7.81	0.31	-6.75e-03
129	146	960.00	-3.97	2.20	-0.24	-3.13	0.28	2.12e-03
129	146	1010.00	-2.83	1.57	-0.19	-2.16	0.16	1.67e-03
129	146	1060.00	-1.67	1.06	-0.19	-0.95	0.05	1.37e-03
129	167	700.00	0.42	-0.40	-0.68	-0.95	-0.14	0.02
129	167	752.50	0.42	-0.40	-0.68	-0.98	-0.13	0.02
129	167	805.00	1.23	2.20	-0.58	-0.41	-0.46	0.02
129	167	857.50	1.49	2.19	-0.47	0.72	-0.74	0.02
129	167	910.00	1.76	2.18	-0.36	1.86	-0.95	3.78e-03
129	167	960.00	0.78	-0.22	0.84	0.83	-0.83	-0.02
129	167	1010.00	0.55	0.15	0.65	0.63	-0.47	-0.03
129	167	1060.00	0.25	0.37	0.62	0.36	-0.15	-0.03
129	172	700.00	4.35	-1.77	0.16	-3.84	0.02	-9.04e-03
129	172	752.50	4.35	-1.77	0.16	-3.87	0.02	-0.01
129	172	805.00	5.50	9.68	0.18	-1.76	0.11	-0.01
129	172	857.50	6.08	9.55	0.14	3.32	0.18	-0.01
129	172	910.00	6.30	9.41	0.11	8.20	0.24	2.86e-03
129	172	960.00	3.48	-1.83	-0.23	3.40	0.21	6.42e-03
129	172	1010.00	2.49	-0.82	-0.18	2.44	0.12	0.01
129	172	1060.00	1.39	-0.06	-0.18	1.21	0.04	0.01
129	177	700.00	5.26	-1.77	-0.25	-3.79	-0.05	-1.24e-03
129	177	752.50	5.26	-1.77	-0.25	-3.82	-0.05	-2.80e-03
129	177	805.00	5.68	9.56	-0.17	-1.74	-0.16	-3.21e-03
129	177	857.50	6.27	9.43	-0.14	3.27	-0.25	-3.26e-03
129	177	910.00	6.50	9.29	-0.10	8.09	-0.32	5.47e-03
129	177	960.00	3.60	-1.81	0.25	3.36	-0.28	-3.12e-03
129	177	1010.00	2.56	-0.81	0.20	2.41	-0.16	-2.72e-03
129	177	1060.00	1.42	-0.19	0.19	1.20	-0.05	-2.28e-03
129	178	700.00	-7.44	1.65	0.26	3.57	9.25e-03	5.44e-03
129	178	752.50	-7.44	1.65	0.26	3.53	0.01	3.67e-03
129	178	805.00	-6.11	-8.91	0.18	1.80	0.13	2.80e-03
129	178	857.50	-6.20	-8.77	0.15	-2.87	0.22	2.33e-03
129	178	910.00	-5.93	-8.63	0.11	-7.35	0.30	-6.56e-03
129	178	960.00	-3.78	2.09	-0.23	-2.94	0.28	2.09e-03
129	178	1010.00	-2.70	1.50	-0.19	-2.02	0.16	1.72e-03
129	178	1060.00	-1.59	1.03	-0.18	-0.89	0.05	1.44e-03
129	199	700.00	0.41	-0.40	-0.66	-0.94	-0.13	0.02
129	199	752.50	0.41	-0.40	-0.66	-0.97	-0.13	0.02
129	199	805.00	1.23	2.17	-0.57	-0.41	-0.45	0.02
129	199	857.50	1.48	2.16	-0.46	0.71	-0.72	0.02
129	199	910.00	1.75	2.15	-0.35	1.83	-0.93	3.77e-03
129	199	960.00	0.77	-0.21	0.82	0.82	-0.82	-0.02
129	199	1010.00	0.54	0.16	0.64	0.62	-0.46	-0.03
129	199	1060.00	0.25	0.37	0.61	0.36	-0.15	-0.03
129	204	700.00	5.13	-2.02	0.19	-4.34	0.03	-0.01
129	204	752.50	5.13	-2.02	0.19	-4.37	0.03	-0.01
129	204	805.00	6.31	10.99	0.20	-2.00	0.13	-0.02
129	204	857.50	6.96	10.83	0.16	3.77	0.21	-0.01
129	204	910.00	7.17	10.67	0.13	9.31	0.28	3.39e-03
129	204	960.00	4.00	-2.11	-0.27	3.85	0.24	7.54e-03
129	204	1010.00	2.85	-0.99	-0.21	2.76	0.14	0.01
129	204	1060.00	1.60	-0.13	-0.21	1.36	0.05	0.01
129	209	700.00	6.18	-2.01	-0.29	-4.28	-0.05	-1.72e-03
129	209	752.50	6.18	-2.01	-0.29	-4.31	-0.05	-3.25e-03
129	209	805.00	6.51	10.84	-0.20	-1.98	-0.18	-3.62e-03
129	209	857.50	7.18	10.69	-0.16	3.72	-0.28	-3.64e-03
129	209	910.00	7.41	10.53	-0.11	9.18	-0.37	6.42e-03
129	209	960.00	4.13	-2.09	0.29	3.80	-0.33	-3.54e-03
129	209	1010.00	2.94	-0.98	0.23	2.72	-0.18	-3.11e-03
129	209	1060.00	1.64	-0.28	0.22	1.35	-0.06	-2.62e-03
129	210	700.00	-8.36	1.89	0.30	4.06	0.01	5.91e-03
129	210	752.50	-8.36	1.89	0.30	4.03	0.02	4.11e-03
129	210	805.00	-6.95	-10.19	0.21	2.04	0.15	3.21e-03
129	210	857.50	-7.11	-10.04	0.17	-3.31	0.26	2.71e-03
129	210	910.00	-6.84	-9.88	0.12	-8.44	0.35	-7.51e-03
129	210	960.00	-4.32	2.37	-0.27	-3.38	0.32	2.51e-03
129	210	1010.00	-3.08	1.67	-0.22	-2.33	0.18	2.10e-03
129	210	1060.00	-1.81	1.11	-0.21	-1.03	0.06	1.78e-03
129	231	700.00	0.66	-0.46	-0.77	-1.08	-0.15	0.02

129	231	752.50	0.66	-0.46	-0.77	-1.11	-0.15	0.03
129	231	805.00	1.47	2.48	-0.67	-0.48	-0.53	0.03
129	231	857.50	1.72	2.47	-0.54	0.80	-0.84	0.02
129	231	910.00	1.99	2.46	-0.41	2.07	-1.08	4.52e-03
129	231	960.00	0.92	-0.27	0.95	0.92	-0.95	-0.02
129	231	1010.00	0.65	0.13	0.74	0.69	-0.53	-0.03
129	231	1060.00	0.31	0.36	0.71	0.39	-0.17	-0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-8.36	-10.19	-3.88	-8.44	-2.62	-0.05
	7.41	10.99	4.71	9.31	5.22	0.07

Macro	Tipo	Angolo 1-Z (gradi)
130	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
130	4	700.00	6.61	1.88	1.42	2.79	-0.50	-0.14
130	4	752.50	3.54	1.79	0.91	1.92	0.11	-0.08
130	4	805.00	-0.84	5.21	0.52	2.46	0.31	-0.05
130	4	857.50	-4.32	5.45	0.52	2.78	0.44	-0.02
130	4	910.00	-7.78	5.75	0.60	3.24	0.59	4.96e-03
130	4	960.00	-7.05	2.56	0.08	1.20	0.49	0.05
130	4	1010.00	-6.65	2.22	-0.16	0.10	0.32	0.07
130	4	1060.00	-4.35	2.16	-0.67	-0.17	0.0	0.07
130	9	700.00	-0.45	1.61	1.17	0.52	-0.35	-0.13
130	9	752.50	-2.84	1.52	0.82	-0.09	0.17	-0.08
130	9	805.00	-6.06	4.02	0.50	0.36	0.35	-0.05
130	9	857.50	-8.51	4.25	0.51	0.67	0.47	-0.02
130	9	910.00	-10.91	4.57	0.58	1.15	0.61	3.69e-03
130	9	960.00	-9.44	2.59	0.04	-0.07	0.50	0.05
130	9	1010.00	-8.34	2.21	-0.16	-0.73	0.31	0.07
130	9	1060.00	-5.67	2.00	-0.66	-0.79	0.0	0.08
130	18	700.00	4.32	1.71	1.59	2.13	-0.41	-0.20
130	18	752.50	1.49	1.64	1.24	1.32	0.33	-0.13
130	18	805.00	-2.43	4.70	0.81	1.75	0.60	-0.09
130	18	857.50	-5.54	5.07	0.84	2.06	0.79	-0.04
130	18	910.00	-8.67	5.54	0.97	2.56	1.03	6.99e-03
130	18	960.00	-7.68	2.72	0.06	0.83	0.83	0.09
130	18	1010.00	-6.99	2.36	-0.28	-0.08	0.52	0.12
130	18	1060.00	-4.56	2.21	-1.09	-0.25	0.0	0.13
130	27	700.00	9.13	2.03	0.84	3.43	-0.59	5.26e-03
130	27	752.50	6.02	1.90	0.10	2.60	-0.34	0.04
130	27	805.00	1.52	5.33	-0.14	3.20	-0.29	0.03
130	27	857.50	-2.01	5.27	-0.21	3.48	-0.32	0.02
130	27	910.00	-5.44	5.21	-0.23	3.78	-0.37	-1.13e-03
130	27	960.00	-5.11	2.59	0.08	1.72	-0.26	-0.03
130	27	1010.00	-5.03	2.41	0.10	0.60	-0.14	-0.05
130	27	1060.00	-2.95	2.55	0.30	0.42	0.0	-0.05
130	68	700.00	4.50	1.41	1.01	1.95	-0.37	-0.09
130	68	752.50	2.25	1.34	0.63	1.32	0.06	-0.05
130	68	805.00	-0.93	3.81	0.35	1.72	0.21	-0.03
130	68	857.50	-3.44	3.98	0.35	1.96	0.29	-0.02
130	68	910.00	-5.93	4.18	0.40	2.30	0.39	3.15e-03
130	68	960.00	-5.33	2.02	0.05	0.86	0.33	0.03
130	68	1010.00	-4.96	1.79	-0.11	0.09	0.21	0.05
130	68	1060.00	-3.18	1.74	-0.45	-0.06	0.0	0.05
130	69	700.00	-0.20	1.23	0.84	0.43	-0.27	-0.09
130	69	752.50	-2.00	1.16	0.57	-0.02	0.10	-0.05
130	69	805.00	-4.41	3.02	0.34	0.32	0.23	-0.03
130	69	857.50	-6.23	3.18	0.34	0.55	0.31	-0.02
130	69	910.00	-8.02	3.40	0.39	0.90	0.41	2.31e-03
130	69	960.00	-6.93	2.04	0.03	0.01	0.33	0.03
130	69	1010.00	-6.09	1.78	-0.11	-0.46	0.21	0.05
130	69	1060.00	-4.06	1.64	-0.44	-0.47	0.0	0.05
130	75	700.00	2.98	1.29	1.12	1.51	-0.31	-0.13
130	75	752.50	0.88	1.24	0.85	0.92	0.21	-0.09
130	75	805.00	-1.99	3.47	0.55	1.25	0.40	-0.06
130	75	857.50	-4.26	3.72	0.56	1.47	0.53	-0.03
130	75	910.00	-6.53	4.04	0.65	1.84	0.69	4.51e-03
130	75	960.00	-5.75	2.13	0.04	0.61	0.56	0.06
130	75	1010.00	-5.18	1.88	-0.19	-0.03	0.34	0.08

130	75	1060.00	-3.32	1.78	-0.73	-0.11	0.0	0.09
130	79	700.00	6.19	1.51	0.62	2.38	-0.42	9.54e-04
130	79	752.50	3.90	1.41	0.09	1.77	-0.24	0.02
130	79	805.00	0.64	3.89	-0.09	2.21	-0.20	0.02
130	79	857.50	-1.90	3.86	-0.14	2.42	-0.21	0.01
130	79	910.00	-4.37	3.82	-0.15	2.65	-0.25	-9.11e-04
130	79	960.00	-4.03	2.04	0.06	1.20	-0.17	-0.02
130	79	1010.00	-3.88	1.91	0.06	0.43	-0.09	-0.03
130	79	1060.00	-2.24	2.00	0.20	0.34	0.0	-0.04
130	98	700.00	4.56	1.41	0.69	1.88	-0.37	-0.03
130	98	752.50	2.45	1.32	0.25	1.33	-0.12	-1.35e-03
130	98	805.00	-0.49	3.56	0.06	1.73	-0.06	3.17e-03
130	98	857.50	-2.78	3.59	0.02	1.93	-0.04	2.08e-03
130	98	910.00	-5.01	3.65	0.03	2.19	-0.03	9.40e-05
130	98	960.00	-4.48	2.11	0.05	0.95	-3.43e-03	-3.15e-03
130	98	1010.00	-4.13	1.97	3.68e-03	0.30	9.03e-03	-5.05e-03
130	98	1060.00	-2.41	2.01	-0.02	0.27	0.0	-6.26e-03
130	99	700.00	1.49	1.28	0.57	0.89	-0.30	-0.02
130	99	752.50	-0.30	1.20	0.21	0.47	-0.09	-1.80e-03
130	99	805.00	-2.68	2.98	0.05	0.81	-0.04	1.72e-03
130	99	857.50	-4.47	3.01	0.02	1.00	-0.02	1.04e-03
130	99	910.00	-6.19	3.07	0.02	1.26	-0.01	-5.65e-04
130	99	960.00	-5.36	2.16	0.03	0.42	-1.26e-03	-2.12e-03
130	99	1010.00	-4.69	2.00	1.70e-03	-0.01	6.37e-03	-3.05e-03
130	99	1060.00	-2.81	2.02	-0.01	0.07	0.0	-3.94e-03
130	103	700.00	4.00	1.36	0.75	1.73	-0.34	-0.05
130	103	752.50	1.94	1.28	0.36	1.19	-0.05	-0.02
130	103	805.00	-0.89	3.43	0.15	1.55	0.04	-9.19e-03
130	103	857.50	-3.09	3.51	0.13	1.75	0.08	-4.04e-03
130	103	910.00	-5.24	3.62	0.15	2.03	0.12	8.25e-04
130	103	960.00	-4.65	2.15	0.04	0.86	0.11	9.40e-03
130	103	1010.00	-4.23	2.01	-0.04	0.26	0.08	0.01
130	103	1060.00	-2.47	2.02	-0.16	0.25	0.0	0.01
130	106	700.00	1.78	1.27	0.56	0.99	-0.29	-0.02
130	106	752.50	4.38e-03	1.19	0.21	0.56	-0.09	-1.81e-03
130	106	805.00	-2.34	2.94	0.05	0.89	-0.04	1.63e-03
130	106	857.50	-4.12	2.97	0.02	1.07	-0.02	9.46e-04
130	106	910.00	-5.82	3.04	0.02	1.32	-0.01	-6.55e-04
130	106	960.00	-5.04	2.21	0.03	0.50	-1.80e-04	-2.06e-03
130	106	1010.00	-4.39	2.10	5.92e-04	0.09	6.67e-03	-2.94e-03
130	106	1060.00	-2.53	2.09	-0.01	0.20	0.0	-3.82e-03
130	107	700.00	4.16	1.39	0.67	1.76	-0.36	-0.03
130	107	752.50	2.10	1.30	0.24	1.22	-0.12	-1.41e-03
130	107	805.00	-0.76	3.47	0.06	1.61	-0.05	2.95e-03
130	107	857.50	-2.97	3.51	0.02	1.81	-0.04	1.92e-03
130	107	910.00	-5.12	3.56	0.03	2.07	-0.02	-1.29e-05
130	107	960.00	-4.56	2.12	0.04	0.88	-2.97e-03	-3.00e-03
130	107	1010.00	-4.17	1.99	3.24e-03	0.27	8.70e-03	-4.75e-03
130	107	1060.00	-2.42	2.02	-0.01	0.26	0.0	-5.91e-03
130	113	700.00	-3.16	3.11	0.98	11.63	-0.40	-0.03
130	113	752.50	-5.22	3.03	0.55	11.09	-0.17	6.54e-03
130	113	805.00	-12.38	13.19	-3.59e-03	13.41	-0.03	0.02
130	113	857.50	-17.98	12.69	-0.21	16.66	-0.11	0.02
130	113	910.00	-24.45	12.19	-0.18	20.15	-0.20	0.01
130	113	960.00	-13.47	-5.31	0.19	11.12	-0.19	-0.02
130	113	1010.00	-10.72	-6.75	0.17	7.39	-0.11	-0.02
130	113	1060.00	-5.61	-5.34	0.14	3.92	-0.04	-0.02
130	124	700.00	-11.96	2.33	0.74	3.99	-0.17	-0.05
130	124	752.50	-14.03	2.25	0.31	3.45	0.07	-0.03
130	124	805.00	-20.32	10.56	0.05	6.19	0.16	-0.01
130	124	857.50	-24.01	10.28	0.05	8.93	0.16	-4.85e-03
130	124	910.00	-29.65	10.03	0.15	10.94	0.20	0.01
130	124	960.00	-19.24	-4.48	1.18e-03	5.35	0.23	0.01
130	124	1010.00	-14.40	-5.95	-0.13	3.61	0.20	0.02
130	124	1060.00	-8.12	-5.54	-0.32	2.00	0.08	0.02
130	127	700.00	20.29	0.44	0.60	-0.47	-0.55	-9.29e-03
130	127	752.50	18.22	0.36	0.17	-1.01	-0.31	0.02
130	127	805.00	18.80	-3.61	0.06	-2.98	-0.26	0.02
130	127	857.50	18.06	-3.27	-5.65e-03	-5.31	-0.23	8.68e-03
130	127	910.00	19.41	-2.91	-0.10	-6.81	-0.24	-0.01
130	127	960.00	10.11	8.72	0.08	-3.58	-0.23	-0.02
130	127	1010.00	6.06	9.93	0.14	-3.07	-0.18	-0.03
130	127	1060.00	3.27	9.57	0.29	-1.48	-0.08	-0.04
130	132	700.00	-2.18	1.21	0.60	-2.04	-0.19	-0.05
130	132	752.50	-4.25	1.13	0.18	-2.58	0.05	-0.03

130	132	805.00	-10.93	1.08	0.11	-1.10	0.10	-0.02
130	132	857.50	-9.40	1.19	0.17	-1.61	0.16	-0.01
130	132	910.00	-6.80	1.33	0.22	-2.44	0.27	4.34e-03
130	132	960.00	-5.98	0.93	-0.10	-1.76	0.30	0.02
130	132	1010.00	-5.21	0.17	-0.22	-1.60	0.22	0.03
130	132	1060.00	-3.27	-2.85	-0.33	-0.77	0.08	0.03
130	145	700.00	-4.07	3.32	1.01	12.87	-0.41	-0.03
130	145	752.50	-6.14	3.24	0.59	12.33	-0.17	7.53e-03
130	145	805.00	-13.83	14.40	-0.01	14.89	-0.03	0.02
130	145	857.50	-19.85	13.83	-0.24	18.52	-0.11	0.02
130	145	910.00	-26.86	13.26	-0.21	22.40	-0.22	0.01
130	145	960.00	-14.58	-6.24	0.21	12.40	-0.22	-0.02
130	145	1010.00	-11.53	-7.84	0.20	8.28	-0.12	-0.03
130	145	1060.00	-6.00	-6.26	0.16	4.38	-0.04	-0.03
130	156	700.00	-13.97	2.45	0.75	4.26	-0.15	-0.05
130	156	752.50	-16.04	2.36	0.32	3.73	0.09	-0.03
130	156	805.00	-22.75	11.43	0.05	6.76	0.18	-0.01
130	156	857.50	-26.61	11.12	0.05	9.81	0.19	-5.66e-03
130	156	910.00	-32.68	10.83	0.17	12.04	0.22	0.01
130	156	960.00	-21.05	-5.30	-3.94e-03	5.90	0.26	0.02
130	156	1010.00	-15.66	-6.94	-0.15	4.02	0.22	0.02
130	156	1060.00	-8.82	-6.47	-0.36	2.22	0.09	0.03
130	159	700.00	22.30	0.33	0.59	-0.75	-0.57	-7.07e-03
130	159	752.50	20.24	0.24	0.16	-1.28	-0.33	0.03
130	159	805.00	21.23	-4.48	0.06	-3.55	-0.29	0.02
130	159	857.50	20.66	-4.11	-8.65e-03	-6.19	-0.26	9.50e-03
130	159	910.00	22.43	-3.71	-0.11	-7.91	-0.27	-0.01
130	159	960.00	11.92	9.54	0.09	-4.13	-0.26	-0.02
130	159	1010.00	7.32	10.91	0.15	-3.48	-0.20	-0.03
130	159	1060.00	3.97	10.51	0.33	-1.70	-0.09	-0.04
130	164	700.00	-2.98	1.19	0.60	-2.51	-0.17	-0.05
130	164	752.50	-5.04	1.10	0.17	-3.04	0.07	-0.03
130	164	805.00	-12.19	0.79	0.12	-1.43	0.12	-0.03
130	164	857.50	-10.21	0.90	0.19	-2.03	0.19	-0.01
130	164	910.00	-7.03	1.05	0.24	-2.99	0.30	4.86e-03
130	164	960.00	-6.17	0.79	-0.12	-2.08	0.34	0.02
130	164	1010.00	-5.35	-0.06	-0.25	-1.83	0.25	0.03
130	164	1060.00	-3.38	-3.45	-0.37	-0.89	0.09	0.03
130	177	700.00	-3.59	3.19	1.00	12.58	-0.41	-0.03
130	177	752.50	-5.65	3.11	0.57	12.05	-0.17	7.28e-03
130	177	805.00	-13.04	13.67	-7.06e-03	14.42	-0.03	0.02
130	177	857.50	-18.84	13.14	-0.23	17.79	-0.11	0.02
130	177	910.00	-25.65	12.61	-0.20	21.38	-0.21	0.01
130	177	960.00	-13.95	-5.82	0.21	11.82	-0.21	-0.02
130	177	1010.00	-11.07	-7.32	0.19	7.88	-0.12	-0.03
130	177	1060.00	-5.77	-5.83	0.16	4.17	-0.04	-0.03
130	188	700.00	-13.51	2.39	0.75	4.13	-0.15	-0.05
130	188	752.50	-15.58	2.31	0.32	3.60	0.09	-0.03
130	188	805.00	-21.98	11.00	0.05	6.54	0.18	-0.01
130	188	857.50	-25.61	10.71	0.05	9.50	0.18	-5.32e-03
130	188	910.00	-31.45	10.45	0.16	11.64	0.22	0.01
130	188	960.00	-20.31	-5.03	-3.64e-03	5.71	0.25	0.01
130	188	1010.00	-15.11	-6.61	-0.14	3.88	0.22	0.02
130	188	1060.00	-8.48	-6.17	-0.36	2.15	0.09	0.03
130	191	700.00	21.84	0.38	0.59	-0.62	-0.57	-7.49e-03
130	191	752.50	19.78	0.30	0.17	-1.15	-0.33	0.03
130	191	805.00	20.47	-4.05	0.06	-3.33	-0.28	0.02
130	191	857.50	19.67	-3.70	-3.89e-03	-5.88	-0.26	9.15e-03
130	191	910.00	21.21	-3.33	-0.11	-7.51	-0.27	-0.01
130	191	960.00	11.19	9.28	0.09	-3.94	-0.26	-0.02
130	191	1010.00	6.78	10.59	0.15	-3.34	-0.20	-0.03
130	191	1060.00	3.63	10.20	0.33	-1.63	-0.09	-0.04
130	196	700.00	-2.85	1.17	0.59	-2.43	-0.18	-0.05
130	196	752.50	-4.91	1.09	0.16	-2.96	0.06	-0.03
130	196	805.00	-11.83	0.81	0.12	-1.43	0.12	-0.03
130	196	857.50	-10.01	0.92	0.19	-2.02	0.19	-0.01
130	196	910.00	-7.04	1.07	0.24	-2.92	0.30	4.33e-03
130	196	960.00	-6.21	0.89	-0.12	-2.05	0.33	0.02
130	196	1010.00	-5.39	0.09	-0.24	-1.81	0.24	0.03
130	196	1060.00	-3.40	-3.12	-0.36	-0.88	0.09	0.03
130	209	700.00	-4.68	3.43	1.05	14.31	-0.42	-0.03
130	209	752.50	-6.75	3.35	0.62	13.78	-0.18	8.63e-03
130	209	805.00	-14.75	15.05	-0.02	16.40	-0.03	0.02
130	209	857.50	-21.05	14.44	-0.26	20.16	-0.13	0.02
130	209	910.00	-28.56	13.83	-0.23	24.17	-0.24	0.01

130	209	960.00	-15.25	-6.97	0.23	13.40	-0.24	-0.02
130	209	1010.00	-12.03	-8.66	0.22	8.98	-0.14	-0.03
130	209	1060.00	-6.23	-6.95	0.19	4.74	-0.05	-0.03
130	220	700.00	-16.32	2.54	0.76	4.47	-0.11	-0.05
130	220	752.50	-18.39	2.46	0.33	3.94	0.13	-0.04
130	220	805.00	-25.26	12.08	0.05	7.27	0.21	-0.02
130	220	857.50	-29.02	11.75	0.05	10.66	0.22	-6.42e-03
130	220	910.00	-35.38	11.44	0.18	13.08	0.26	0.01
130	220	960.00	-22.67	-6.12	-0.01	6.43	0.29	0.02
130	220	1010.00	-16.73	-7.92	-0.17	4.43	0.25	0.03
130	220	1060.00	-9.36	-7.42	-0.41	2.44	0.10	0.03
130	223	700.00	24.65	0.24	0.58	-0.96	-0.60	-4.34e-03
130	223	752.50	22.59	0.15	0.16	-1.49	-0.36	0.03
130	223	805.00	23.74	-5.14	0.06	-4.06	-0.32	0.02
130	223	857.50	23.08	-4.74	-6.59e-03	-7.04	-0.29	0.01
130	223	910.00	25.14	-4.32	-0.13	-8.94	-0.31	-0.01
130	223	960.00	13.54	10.37	0.10	-4.66	-0.30	-0.02
130	223	1010.00	8.39	11.89	0.17	-3.89	-0.23	-0.04
130	223	1060.00	4.52	11.45	0.38	-1.92	-0.10	-0.04
130	233	700.00	7.28	2.58	0.95	11.92	-0.57	-5.20e-03
130	233	752.50	5.22	2.50	0.52	11.39	-0.33	0.04
130	233	805.00	3.89	11.78	-0.05	11.57	-0.21	0.04
130	233	857.50	-4.27	11.46	-0.28	14.15	-0.30	0.03
130	233	910.00	-13.60	11.15	-0.30	17.49	-0.45	3.39e-04
130	233	960.00	-7.83	-0.86	0.29	9.66	-0.45	-0.04
130	233	1010.00	-6.57	-1.06	0.35	6.41	-0.30	-0.05
130	233	1060.00	-3.20	2.96	0.43	3.49	-0.11	-0.05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-35.38	-8.66	-1.09	-8.94	-0.60	-0.20
	25.14	15.05	1.59	24.17	1.03	0.13

Macro	Tipo	Angolo 1-Z (gradi)
131	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
131	3	700.00	-0.59	-0.54	2.83	-1.43	-0.32	-0.02
131	3	752.50	-0.59	-0.54	2.83	-1.71	1.16	-0.03
131	3	805.00	0.53	2.78	2.03	-0.26	2.23	-0.03
131	3	857.50	0.86	2.78	1.24	1.20	2.88	-0.02
131	3	910.00	1.19	2.78	0.45	2.66	3.11	-5.89e-03
131	3	960.00	0.57	-0.12	-2.31	1.17	1.96	0.03
131	3	1010.00	0.40	0.59	-2.02	0.91	0.95	0.04
131	3	1060.00	0.12	1.03	-1.90	0.63	0.0	0.04
131	4	700.00	-0.61	-0.57	2.83	-1.53	-0.32	-0.02
131	4	752.50	-0.61	-0.57	2.83	-1.82	1.16	-0.03
131	4	805.00	0.52	2.96	2.03	-0.27	2.23	-0.03
131	4	857.50	0.85	2.96	1.24	1.29	2.88	-0.02
131	4	910.00	1.18	2.96	0.45	2.84	3.11	-5.88e-03
131	4	960.00	0.57	-0.14	-2.31	1.25	1.96	0.03
131	4	1010.00	0.40	0.61	-2.02	0.97	0.95	0.04
131	4	1060.00	0.12	1.09	-1.90	0.67	0.0	0.04
131	22	700.00	-0.54	-0.40	4.70	-1.07	-0.51	-0.04
131	22	752.50	-0.54	-0.40	4.70	-1.28	1.96	-0.05
131	22	805.00	0.34	2.11	3.38	-0.17	3.74	-0.05
131	22	857.50	0.60	2.11	2.06	0.94	4.82	-0.04
131	22	910.00	0.85	2.11	0.74	2.04	5.20	-9.37e-03
131	22	960.00	0.41	-0.06	-3.87	0.91	3.27	0.05
131	22	1010.00	0.29	0.52	-3.37	0.72	1.59	0.07
131	22	1060.00	0.08	0.87	-3.17	0.50	0.0	0.07
131	57	700.00	-1.12	-0.34	5.85e-03	-0.90	-0.02	2.64e-03
131	57	752.50	-1.12	-0.34	5.85e-03	-1.08	-0.02	6.83e-04
131	57	805.00	0.01	1.84	5.85e-03	-0.11	-0.02	-7.65e-05
131	57	857.50	0.34	1.84	5.85e-03	0.85	-0.01	-3.57e-04
131	57	910.00	0.67	1.84	5.85e-03	1.82	-9.74e-03	-3.94e-04
131	57	960.00	0.21	-0.06	0.01	0.81	-4.43e-03	-2.44e-04
131	57	1010.00	0.16	0.45	6.73e-03	0.64	-1.06e-03	-2.34e-04
131	57	1060.00	-4.44e-03	0.76	2.12e-03	0.44	0.0	-2.09e-04
131	67	700.00	-0.52	-0.37	1.89	-0.99	-0.22	-0.01
131	67	752.50	-0.52	-0.37	1.89	-1.19	0.77	-0.02
131	67	805.00	0.34	1.94	1.36	-0.17	1.49	-0.02

131	67	857.50	0.59	1.94	0.83	0.85	1.92	-0.02
131	67	910.00	0.84	1.94	0.30	1.86	2.08	-3.97e-03
131	67	960.00	0.39	-0.08	-1.54	0.82	1.31	0.02
131	67	1010.00	0.28	0.43	-1.34	0.64	0.63	0.03
131	67	1060.00	0.07	0.74	-1.27	0.44	0.0	0.03
131	68	700.00	-0.54	-0.40	1.89	-1.06	-0.22	-0.01
131	68	752.50	-0.54	-0.40	1.89	-1.26	0.77	-0.02
131	68	805.00	0.33	2.06	1.36	-0.18	1.49	-0.02
131	68	857.50	0.59	2.06	0.83	0.90	1.92	-0.02
131	68	910.00	0.84	2.06	0.30	1.99	2.08	-3.96e-03
131	68	960.00	0.39	-0.09	-1.54	0.87	1.31	0.02
131	68	1010.00	0.28	0.44	-1.34	0.68	0.63	0.03
131	68	1060.00	0.07	0.78	-1.27	0.47	0.0	0.03
131	75	700.00	-0.63	-0.35	3.14	-0.91	-0.34	-0.02
131	75	752.50	-0.63	-0.35	3.14	-1.09	1.30	-0.03
131	75	805.00	0.25	1.82	2.26	-0.14	2.49	-0.03
131	75	857.50	0.50	1.82	1.37	0.81	3.21	-0.03
131	75	910.00	0.75	1.82	0.49	1.77	3.47	-6.36e-03
131	75	960.00	0.34	-0.05	-2.58	0.78	2.18	0.04
131	75	1010.00	0.24	0.45	-2.24	0.62	1.06	0.05
131	75	1060.00	0.05	0.76	-2.11	0.43	0.0	0.04
131	93	700.00	-0.88	-0.24	4.36e-03	-0.64	-0.02	1.96e-03
131	93	752.50	-0.88	-0.24	4.36e-03	-0.77	-0.01	5.05e-04
131	93	805.00	-6.93e-03	1.32	4.36e-03	-0.08	-0.01	-5.99e-05
131	93	857.50	0.25	1.32	4.36e-03	0.61	-9.46e-03	-2.71e-04
131	93	910.00	0.50	1.32	4.36e-03	1.31	-7.17e-03	-3.03e-04
131	93	960.00	0.15	-0.04	7.84e-03	0.58	-3.25e-03	-2.02e-04
131	93	1010.00	0.12	0.33	4.95e-03	0.46	-7.77e-04	-1.95e-04
131	93	1060.00	-8.33e-03	0.56	1.55e-03	0.32	0.0	-1.71e-04
131	98	700.00	-0.63	-0.32	5.26e-03	-0.85	-0.02	2.37e-03
131	98	752.50	-0.63	-0.32	5.26e-03	-1.02	-0.02	6.19e-04
131	98	805.00	0.23	1.67	5.26e-03	-0.14	-0.01	-5.85e-05
131	98	857.50	0.48	1.67	5.26e-03	0.73	-0.01	-3.11e-04
131	98	910.00	0.73	1.67	5.26e-03	1.61	-8.35e-03	-3.49e-04
131	98	960.00	0.31	-0.07	9.12e-03	0.71	-3.78e-03	-2.25e-04
131	98	1010.00	0.22	0.35	5.77e-03	0.55	-8.97e-04	-2.13e-04
131	98	1060.00	0.04	0.63	1.79e-03	0.38	0.0	-1.85e-04
131	99	700.00	-0.86	-0.21	4.22e-03	-0.54	-0.02	1.87e-03
131	99	752.50	-0.86	-0.21	4.22e-03	-0.65	-0.01	4.79e-04
131	99	805.00	4.43e-03	1.12	4.22e-03	-0.06	-0.01	-6.27e-05
131	99	857.50	0.26	1.12	4.22e-03	0.52	-8.81e-03	-2.71e-04
131	99	910.00	0.51	1.12	4.22e-03	1.11	-6.59e-03	-3.18e-04
131	99	960.00	0.15	-0.02	7.22e-03	0.50	-2.98e-03	-2.52e-04
131	99	1010.00	0.12	0.30	4.55e-03	0.40	-7.05e-04	-2.44e-04
131	99	1060.00	-9.99e-03	0.51	1.41e-03	0.28	0.0	-2.09e-04
131	103	700.00	-0.66	-0.30	0.63	-0.80	-0.08	-2.80e-03
131	103	752.50	-0.66	-0.30	0.63	-0.96	0.25	-6.24e-03
131	103	805.00	0.20	1.59	0.46	-0.13	0.49	-7.00e-03
131	103	857.50	0.46	1.59	0.28	0.70	0.63	-5.65e-03
131	103	910.00	0.71	1.59	0.10	1.54	0.69	-1.55e-03
131	103	960.00	0.29	-0.06	-0.51	0.68	0.43	6.91e-03
131	103	1010.00	0.21	0.36	-0.44	0.53	0.21	9.44e-03
131	103	1060.00	0.04	0.63	-0.42	0.37	0.0	8.78e-03
131	106	700.00	-0.86	-0.20	4.18e-03	-0.52	-0.02	1.85e-03
131	106	752.50	-0.86	-0.20	4.18e-03	-0.62	-0.01	4.73e-04
131	106	805.00	7.27e-03	1.07	4.18e-03	-0.06	-0.01	-6.34e-05
131	106	857.50	0.26	1.07	4.18e-03	0.50	-8.64e-03	-2.71e-04
131	106	910.00	0.51	1.07	4.18e-03	1.06	-6.45e-03	-3.22e-04
131	106	960.00	0.15	-0.02	7.07e-03	0.48	-2.91e-03	-2.64e-04
131	106	1010.00	0.12	0.30	4.45e-03	0.38	-6.87e-04	-2.57e-04
131	106	1060.00	-0.01	0.49	1.37e-03	0.27	0.0	-2.18e-04
131	107	700.00	-0.66	-0.30	5.10e-03	-0.80	-0.02	2.29e-03
131	107	752.50	-0.66	-0.30	5.10e-03	-0.96	-0.02	5.98e-04
131	107	805.00	0.20	1.58	5.10e-03	-0.13	-0.01	-5.92e-05
131	107	857.50	0.45	1.58	5.10e-03	0.70	-0.01	-3.05e-04
131	107	910.00	0.70	1.58	5.10e-03	1.53	-8.07e-03	-3.45e-04
131	107	960.00	0.29	-0.07	8.83e-03	0.67	-3.66e-03	-2.31e-04
131	107	1010.00	0.20	0.35	5.59e-03	0.53	-8.67e-04	-2.20e-04
131	107	1060.00	0.04	0.61	1.73e-03	0.36	0.0	-1.90e-04
131	108	700.00	5.18	-1.78	0.10	-3.82	-8.50e-03	6.15e-04
131	108	752.50	5.18	-1.78	0.10	-3.98	-5.82e-03	-2.81e-03
131	108	805.00	8.85	9.53	0.08	-0.86	-0.06	-4.27e-03
131	108	857.50	6.15	9.40	0.05	3.49	-0.08	-3.44e-03
131	108	910.00	6.36	9.27	0.17	8.31	-0.10	8.62e-04
131	108	960.00	3.66	-1.73	-0.15	3.43	-0.08	0.01

131	108	1010.00	2.60	-0.64	-0.07	2.46	-0.05	0.01
131	108	1060.00	1.41	0.03	-0.34	1.28	-0.01	0.01
131	113	700.00	5.25	-1.77	-0.28	-3.74	-0.07	7.80e-03
131	113	752.50	5.25	-1.77	-0.28	-3.89	-0.07	6.10e-03
131	113	805.00	8.90	9.35	-0.24	-0.82	-0.30	5.58e-03
131	113	857.50	6.23	9.22	-0.20	3.44	-0.48	4.68e-03
131	113	910.00	6.45	9.09	-0.03	8.17	-0.61	3.02e-03
131	113	960.00	3.71	-1.72	0.29	3.37	-0.54	7.79e-04
131	113	1010.00	2.63	-0.73	0.28	2.42	-0.30	-5.02e-04
131	113	1060.00	1.42	-0.14	-8.74e-03	1.26	-0.10	-1.06e-03
131	114	700.00	-6.57	1.16	0.29	2.13	0.03	-3.21e-03
131	114	752.50	-6.57	1.16	0.29	1.97	0.03	-4.90e-03
131	114	805.00	-8.51	-6.18	0.25	0.55	0.27	-5.70e-03
131	114	857.50	-5.33	-6.05	0.21	-2.04	0.46	-5.29e-03
131	114	910.00	-5.05	-5.92	0.04	-5.11	0.60	-3.71e-03
131	114	960.00	-3.14	1.59	-0.27	-2.02	0.53	-1.24e-03
131	114	1010.00	-2.22	1.42	-0.27	-1.37	0.30	6.24e-05
131	114	1060.00	-1.35	1.35	0.01	-0.53	0.10	6.84e-04
131	129	700.00	-2.05	0.10	-0.78	0.17	-0.15	0.01
131	129	752.50	-2.05	0.10	-0.78	0.01	-0.15	0.02
131	129	805.00	-0.06	-0.85	-0.67	0.54	-0.55	0.02
131	129	857.50	-0.83	-0.82	-0.54	-0.09	-0.88	0.01
131	129	910.00	-0.56	-0.80	-0.37	-0.50	-1.14	2.16e-03
131	129	960.00	-0.48	0.37	0.99	-0.15	-1.01	-0.02
131	129	1010.00	-0.34	0.32	0.78	-0.06	-0.57	-0.03
131	129	1060.00	-0.29	0.22	0.71	0.09	-0.19	-0.03
131	140	700.00	5.91	-1.97	0.11	-4.20	-7.22e-03	4.06e-04
131	140	752.50	5.91	-1.97	0.11	-4.36	-4.54e-03	-3.24e-03
131	140	805.00	9.92	10.52	0.09	-0.95	-0.06	-4.80e-03
131	140	857.50	6.86	10.37	0.06	3.84	-0.09	-3.83e-03
131	140	910.00	7.06	10.23	0.19	9.16	-0.11	1.02e-03
131	140	960.00	4.08	-1.93	-0.17	3.77	-0.09	0.01
131	140	1010.00	2.90	-0.77	-0.08	2.70	-0.05	0.01
131	140	1060.00	1.58	-0.04	-0.39	1.39	-0.02	0.02
131	145	700.00	5.98	-1.95	-0.31	-4.10	-0.08	8.48e-03
131	145	752.50	5.98	-1.95	-0.31	-4.26	-0.07	6.78e-03
131	145	805.00	9.98	10.31	-0.27	-0.90	-0.34	6.27e-03
131	145	857.50	6.95	10.17	-0.23	3.78	-0.53	5.29e-03
131	145	910.00	7.17	10.02	-0.03	9.00	-0.69	3.44e-03
131	145	960.00	4.13	-1.92	0.33	3.70	-0.60	9.06e-04
131	145	1010.00	2.94	-0.87	0.31	2.66	-0.34	-5.37e-04
131	145	1060.00	1.59	-0.23	-0.01	1.37	-0.11	-1.17e-03
131	146	700.00	-7.30	1.34	0.33	2.49	0.04	-3.89e-03
131	146	752.50	-7.30	1.34	0.33	2.33	0.04	-5.58e-03
131	146	805.00	-9.59	-7.14	0.28	0.64	0.31	-6.39e-03
131	146	857.50	-6.05	-7.00	0.24	-2.39	0.51	-5.90e-03
131	146	910.00	-5.76	-6.85	0.04	-5.93	0.67	-4.13e-03
131	146	960.00	-3.56	1.79	-0.31	-2.35	0.59	-1.37e-03
131	146	1010.00	-2.53	1.56	-0.30	-1.60	0.33	9.76e-05
131	146	1060.00	-1.52	1.44	0.01	-0.64	0.11	7.93e-04
131	161	700.00	-2.23	0.16	-0.88	0.30	-0.17	0.02
131	161	752.50	-2.23	0.16	-0.88	0.14	-0.16	0.02
131	161	805.00	-0.11	-1.16	-0.75	0.62	-0.62	0.02
131	161	857.50	-0.99	-1.13	-0.61	-0.19	-0.99	0.01
131	161	910.00	-0.72	-1.11	-0.42	-0.76	-1.29	2.47e-03
131	161	960.00	-0.58	0.43	1.11	-0.26	-1.13	-0.02
131	161	1010.00	-0.41	0.31	0.87	-0.13	-0.64	-0.03
131	161	1060.00	-0.34	0.17	0.80	0.05	-0.21	-0.03
131	172	700.00	5.56	-1.88	0.11	-3.97	-6.80e-03	3.67e-04
131	172	752.50	5.56	-1.88	0.11	-4.13	-4.13e-03	-3.21e-03
131	172	805.00	9.29	9.99	0.09	-0.90	-0.06	-4.77e-03
131	172	857.50	6.54	9.85	0.06	3.68	-0.08	-3.81e-03
131	172	910.00	6.74	9.71	0.18	8.73	-0.10	9.50e-04
131	172	960.00	3.89	-1.84	-0.17	3.59	-0.08	0.01
131	172	1010.00	2.76	-0.71	-0.08	2.58	-0.04	0.01
131	172	1060.00	1.50	-0.02	-0.38	1.33	-0.01	0.01
131	177	700.00	5.64	-1.86	-0.30	-3.87	-0.07	8.27e-03
131	177	752.50	5.64	-1.86	-0.30	-4.03	-0.07	6.60e-03
131	177	805.00	9.36	9.77	-0.26	-0.85	-0.33	6.07e-03
131	177	857.50	6.64	9.64	-0.22	3.62	-0.52	5.13e-03
131	177	910.00	6.85	9.50	-0.03	8.56	-0.66	3.31e-03
131	177	960.00	3.95	-1.82	0.32	3.52	-0.58	7.29e-04
131	177	1010.00	2.80	-0.81	0.30	2.53	-0.32	-7.22e-04
131	177	1060.00	1.51	-0.19	-7.43e-03	1.31	-0.11	-1.35e-03
131	178	700.00	-6.96	1.25	0.32	2.27	0.04	-3.69e-03

131	178	752.50	-6.96	1.25	0.32	2.11	0.04	-5.40e-03
131	178	805.00	-8.96	-6.61	0.27	0.59	0.30	-6.19e-03
131	178	857.50	-5.74	-6.47	0.23	-2.22	0.50	-5.74e-03
131	178	910.00	-5.45	-6.33	0.04	-5.50	0.65	-4.00e-03
131	178	960.00	-3.38	1.69	-0.30	-2.17	0.57	-1.19e-03
131	178	1010.00	-2.39	1.50	-0.29	-1.48	0.32	2.83e-04
131	178	1060.00	-1.44	1.41	0.01	-0.58	0.11	9.67e-04
131	193	700.00	-2.25	0.16	-0.87	0.32	-0.17	0.01
131	193	752.50	-2.25	0.16	-0.87	0.16	-0.16	0.02
131	193	805.00	-0.22	-1.21	-0.74	0.61	-0.61	0.02
131	193	857.50	-1.00	-1.18	-0.60	-0.20	-0.98	0.01
131	193	910.00	-0.73	-1.16	-0.41	-0.79	-1.27	2.34e-03
131	193	960.00	-0.58	0.43	1.10	-0.28	-1.11	-0.02
131	193	1010.00	-0.42	0.33	0.86	-0.14	-0.63	-0.03
131	193	1060.00	-0.34	0.20	0.79	0.05	-0.21	-0.03
131	204	700.00	6.45	-2.10	0.13	-4.40	-4.63e-03	3.23e-05
131	204	752.50	6.45	-2.10	0.13	-4.56	-1.95e-03	-3.84e-03
131	204	805.00	10.53	11.15	0.10	-1.01	-0.06	-5.53e-03
131	204	857.50	7.42	11.00	0.07	4.11	-0.09	-4.38e-03
131	204	910.00	7.62	10.84	0.21	9.74	-0.11	1.14e-03
131	204	960.00	4.41	-2.09	-0.21	4.00	-0.09	0.01
131	204	1010.00	3.13	-0.87	-0.10	2.87	-0.05	0.02
131	204	1060.00	1.71	-0.11	-0.44	1.47	-0.02	0.02
131	209	700.00	6.55	-2.08	-0.35	-4.28	-0.08	9.21e-03
131	209	752.50	6.55	-2.08	-0.35	-4.44	-0.08	7.55e-03
131	209	805.00	10.61	10.90	-0.30	-0.95	-0.38	7.05e-03
131	209	857.50	7.54	10.75	-0.26	4.04	-0.60	5.99e-03
131	209	910.00	7.75	10.59	-0.04	9.55	-0.76	3.88e-03
131	209	960.00	4.48	-2.07	0.36	3.92	-0.67	8.25e-04
131	209	1010.00	3.18	-0.98	0.35	2.81	-0.37	-8.73e-04
131	209	1060.00	1.73	-0.31	-8.33e-03	1.44	-0.12	-1.60e-03
131	210	700.00	-7.87	1.47	0.36	2.68	0.04	-4.62e-03
131	210	752.50	-7.87	1.47	0.36	2.52	0.05	-6.36e-03
131	210	805.00	-10.22	-7.74	0.31	0.68	0.35	-7.17e-03
131	210	857.50	-6.64	-7.58	0.27	-2.64	0.57	-6.60e-03
131	210	910.00	-6.34	-7.42	0.05	-6.49	0.75	-4.57e-03
131	210	960.00	-3.91	1.94	-0.35	-2.57	0.66	-1.29e-03
131	210	1010.00	-2.77	1.67	-0.34	-1.75	0.37	4.34e-04
131	210	1060.00	-1.66	1.53	0.01	-0.71	0.12	1.22e-03
131	225	700.00	-2.52	0.24	-1.02	0.52	-0.19	0.02
131	225	752.50	-2.52	0.24	-1.02	0.36	-0.19	0.02
131	225	805.00	-0.31	-1.69	-0.86	0.73	-0.71	0.02
131	225	857.50	-1.24	-1.66	-0.70	-0.35	-1.14	0.02
131	225	910.00	-0.97	-1.62	-0.48	-1.19	-1.47	2.73e-03
131	225	960.00	-0.72	0.51	1.28	-0.44	-1.30	-0.02
131	225	1010.00	-0.52	0.32	1.00	-0.26	-0.73	-0.03
131	225	1060.00	-0.40	0.13	0.92	-4.79e-03	-0.24	-0.04

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-10.22	-7.74	-3.87	-6.49	-1.47	-0.05
	10.61	11.15	4.70	9.74	5.20	0.07

Macro	Tipo	Angolo 1-Z (gradi)
132	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
132	4	700.00	4.01	1.93	1.16	1.09	-0.33	-0.11
132	4	752.50	1.25	1.68	0.71	0.49	0.16	-0.07
132	4	805.00	-3.68	7.39	0.32	2.29	0.29	-0.04
132	4	857.50	-7.00	7.63	0.34	4.03	0.34	-0.02
132	4	910.00	-10.09	8.10	0.50	6.05	0.44	-7.27e-05
132	4	960.00	-7.04	2.43	0.16	3.15	0.39	0.03
132	4	1010.00	-6.10	1.88	-0.05	1.61	0.30	0.05
132	4	1060.00	-4.37	2.85	-0.53	1.19	0.0	0.07
132	11	700.00	2.50	1.86	1.10	0.70	-0.30	-0.11
132	11	752.50	-0.07	1.62	0.69	0.17	0.17	-0.07
132	11	805.00	-4.73	7.04	0.31	1.90	0.29	-0.04
132	11	857.50	-7.83	7.28	0.34	3.58	0.34	-0.02
132	11	910.00	-10.70	7.73	0.49	5.54	0.44	-3.25e-05
132	11	960.00	-7.70	2.31	0.16	2.76	0.39	0.04
132	11	1010.00	-6.75	1.77	-0.05	1.26	0.30	0.05

132	11	1060.00	-5.07	2.67	-0.53	0.77	0.0	0.07
132	18	700.00	2.41	1.73	1.27	0.81	-0.24	-0.16
132	18	752.50	-0.10	1.53	0.95	0.27	0.34	-0.11
132	18	805.00	-4.52	6.67	0.54	1.86	0.51	-0.07
132	18	857.50	-7.46	7.03	0.61	3.46	0.61	-0.04
132	18	910.00	-10.22	7.63	0.81	5.39	0.78	-1.08e-05
132	18	960.00	-7.25	2.45	0.15	2.76	0.67	0.07
132	18	1010.00	-6.20	1.97	-0.14	1.39	0.47	0.09
132	18	1060.00	-4.45	2.83	-0.86	1.05	0.0	0.12
132	27	700.00	6.00	2.06	0.72	1.38	-0.43	0.01
132	27	752.50	3.21	1.77	0.09	0.83	-0.21	0.03
132	27	805.00	-1.69	7.43	-0.18	2.67	-0.19	0.03
132	27	857.50	-5.05	7.41	-0.25	4.35	-0.25	0.02
132	27	910.00	-8.13	7.52	-0.20	6.17	-0.32	-4.56e-04
132	27	960.00	-5.44	2.26	0.15	3.37	-0.21	-0.03
132	27	1010.00	-4.76	1.85	0.13	1.88	-0.08	-0.04
132	27	1060.00	-3.19	2.96	0.21	1.56	0.0	-0.05
132	68	700.00	2.75	1.43	0.82	0.75	-0.24	-0.08
132	68	752.50	0.75	1.25	0.49	0.33	0.11	-0.05
132	68	805.00	-2.81	5.38	0.21	1.64	0.19	-0.03
132	68	857.50	-5.20	5.55	0.22	2.91	0.22	-0.01
132	68	910.00	-7.42	5.87	0.33	4.38	0.29	-1.03e-04
132	68	960.00	-5.18	1.82	0.12	2.29	0.26	0.02
132	68	1010.00	-4.47	1.46	-0.03	1.19	0.20	0.03
132	68	1060.00	-3.16	2.19	-0.36	0.92	0.0	0.04
132	71	700.00	1.75	1.38	0.78	0.49	-0.22	-0.07
132	71	752.50	-0.13	1.20	0.47	0.12	0.11	-0.05
132	71	805.00	-3.51	5.15	0.21	1.39	0.19	-0.03
132	71	857.50	-5.75	5.31	0.22	2.62	0.22	-0.01
132	71	910.00	-7.83	5.63	0.33	4.04	0.29	-7.57e-05
132	71	960.00	-5.63	1.74	0.11	2.04	0.26	0.02
132	71	1010.00	-4.90	1.38	-0.03	0.95	0.20	0.03
132	71	1060.00	-3.63	2.07	-0.35	0.64	0.0	0.04
132	75	700.00	1.68	1.29	0.89	0.57	-0.18	-0.11
132	75	752.50	-0.15	1.14	0.65	0.18	0.22	-0.08
132	75	805.00	-3.37	4.90	0.36	1.36	0.34	-0.05
132	75	857.50	-5.51	5.15	0.40	2.54	0.40	-0.02
132	75	910.00	-7.50	5.56	0.54	3.94	0.52	-6.13e-05
132	75	960.00	-5.32	1.83	0.11	2.04	0.44	0.04
132	75	1010.00	-4.53	1.52	-0.09	1.04	0.32	0.06
132	75	1060.00	-3.21	2.18	-0.58	0.82	0.0	0.08
132	79	700.00	4.08	1.51	0.53	0.95	-0.30	7.64e-03
132	79	752.50	2.05	1.31	0.08	0.56	-0.15	0.02
132	79	805.00	-1.49	5.41	-0.12	1.90	-0.13	0.02
132	79	857.50	-3.90	5.40	-0.17	3.13	-0.17	0.01
132	79	910.00	-6.11	5.48	-0.13	4.46	-0.22	-3.58e-04
132	79	960.00	-4.12	1.71	0.11	2.44	-0.14	-0.02
132	79	1010.00	-3.57	1.44	0.09	1.37	-0.05	-0.03
132	79	1060.00	-2.38	2.27	0.14	1.16	0.0	-0.03
132	98	700.00	2.91	1.39	0.56	0.72	-0.25	-0.02
132	98	752.50	1.07	1.21	0.19	0.37	-0.06	-1.48e-05
132	98	805.00	-2.13	4.95	-0.01	1.60	-0.02	4.87e-03
132	98	857.50	-4.28	5.00	-0.03	2.75	-0.03	2.89e-03
132	98	910.00	-6.26	5.15	0.02	4.02	-0.04	-2.89e-04
132	98	960.00	-4.30	1.68	0.10	2.18	-6.05e-03	-6.03e-03
132	98	1010.00	-3.66	1.46	0.04	1.22	0.03	-6.21e-03
132	98	1060.00	-2.45	2.22	-0.03	1.05	0.0	-6.44e-03
132	101	700.00	2.55	1.38	0.55	0.63	-0.25	-0.02
132	101	752.50	0.76	1.20	0.19	0.29	-0.05	-6.93e-05
132	101	805.00	-2.39	4.88	-0.01	1.51	-0.02	4.76e-03
132	101	857.50	-4.49	4.93	-0.03	2.65	-0.03	2.83e-03
132	101	910.00	-6.43	5.08	0.02	3.91	-0.04	-2.76e-04
132	101	960.00	-4.48	1.66	0.10	2.09	-7.26e-03	-5.91e-03
132	101	1010.00	-3.84	1.43	0.04	1.13	0.03	-6.05e-03
132	101	1060.00	-2.64	2.18	-0.02	0.94	0.0	-6.28e-03
132	103	700.00	2.49	1.34	0.61	0.66	-0.23	-0.04
132	103	752.50	0.71	1.17	0.28	0.32	2.75e-03	-0.02
132	103	805.00	-2.36	4.78	0.06	1.50	0.05	-5.95e-03
132	103	857.50	-4.43	4.86	0.06	2.61	0.05	-2.81e-03
132	103	910.00	-6.33	5.06	0.13	3.87	0.07	-2.64e-04
132	103	960.00	-4.38	1.70	0.10	2.09	0.08	4.12e-03
132	103	1010.00	-3.71	1.49	0.01	1.16	0.09	7.80e-03
132	103	1060.00	-2.49	2.22	-0.14	1.01	0.0	0.01
132	107	700.00	2.68	1.36	0.55	0.67	-0.25	-0.02
132	107	752.50	0.89	1.19	0.19	0.34	-0.05	-9.05e-05

132	107	805.00	-2.21	4.82	-0.01	1.53	-0.02	4.66e-03
132	107	857.50	-4.28	4.87	-0.03	2.65	-0.03	2.75e-03
132	107	910.00	-6.20	5.01	0.02	3.89	-0.04	-2.98e-04
132	107	960.00	-4.28	1.66	0.10	2.11	-5.95e-03	-5.81e-03
132	107	1010.00	-3.64	1.46	0.04	1.17	0.03	-5.93e-03
132	107	1060.00	-2.44	2.21	-0.03	1.02	0.0	-6.17e-03
132	113	700.00	2.18	2.25	1.23	12.70	-0.48	-0.04
132	113	752.50	0.39	2.07	0.87	12.37	-0.29	2.85e-03
132	113	805.00	-10.99	12.56	0.08	13.58	0.02	0.02
132	113	857.50	-15.04	12.12	-0.17	16.53	0.02	0.01
132	113	910.00	-20.78	11.83	-0.15	19.85	-0.22	8.83e-03
132	113	960.00	-9.69	-3.01	0.22	11.59	-0.19	-0.03
132	113	1010.00	-7.98	-5.52	0.19	7.68	-0.09	-0.03
132	113	1060.00	-3.46	-4.30	0.16	3.93	-2.15e-03	-0.03
132	124	700.00	-12.35	1.68	0.74	4.32	-0.14	-0.03
132	124	752.50	-14.14	1.50	0.38	3.99	0.05	-0.03
132	124	805.00	-20.35	10.48	0.05	5.95	0.16	-9.75e-03
132	124	857.50	-23.76	10.26	-5.38e-03	9.01	0.18	-3.54e-03
132	124	910.00	-28.58	10.20	0.10	12.15	0.16	7.86e-03
132	124	960.00	-18.61	-2.70	0.05	5.89	0.21	9.83e-03
132	124	1010.00	-13.75	-5.26	-0.06	3.91	0.20	0.02
132	124	1060.00	-7.07	-4.50	-0.28	2.31	0.08	0.02
132	125	700.00	16.51	1.47	0.70	3.06	-0.45	-0.02
132	125	752.50	14.72	1.29	0.34	2.73	-0.26	0.02
132	125	805.00	10.34	3.11	-0.02	3.21	-0.16	0.02
132	125	857.50	8.89	3.17	-0.12	3.37	-0.19	0.01
132	125	910.00	7.99	3.29	-0.13	3.81	-0.31	-2.45e-03
132	125	960.00	6.60	3.20	0.20	3.16	-0.29	-0.03
132	125	1010.00	3.76	3.94	0.20	1.76	-0.19	-0.04
132	125	1060.00	1.46	4.75	0.31	1.19	-0.07	-0.05
132	127	700.00	17.70	1.04	0.36	-2.99	-0.35	-8.75e-03
132	127	752.50	15.92	0.87	-2.60e-03	-3.32	-0.16	0.03
132	127	805.00	15.93	-0.84	-0.07	-2.89	-0.20	0.02
132	127	857.50	15.19	-0.53	-0.06	-3.70	-0.24	9.05e-03
132	127	910.00	16.18	-0.18	-0.06	-4.37	-0.24	-8.46e-03
132	127	960.00	10.06	6.03	0.14	-1.68	-0.22	-0.02
132	127	1010.00	6.47	8.18	0.14	-1.56	-0.15	-0.03
132	127	1060.00	2.19	8.93	0.23	-0.27	-0.08	-0.04
132	145	700.00	2.13	2.36	1.32	14.21	-0.51	-0.04
132	145	752.50	0.35	2.18	0.96	13.88	-0.32	3.21e-03
132	145	805.00	-12.07	13.52	0.10	15.09	0.02	0.02
132	145	857.50	-16.37	13.02	-0.19	18.27	0.02	0.01
132	145	910.00	-22.59	12.67	-0.17	21.84	-0.24	9.97e-03
132	145	960.00	-10.36	-3.59	0.24	12.78	-0.22	-0.03
132	145	1010.00	-8.51	-6.39	0.21	8.49	-0.11	-0.03
132	145	1060.00	-3.59	-5.12	0.19	4.29	-2.42e-03	-0.04
132	156	700.00	-14.23	1.72	0.76	4.77	-0.13	-0.03
132	156	752.50	-16.01	1.54	0.40	4.44	0.06	-0.03
132	156	805.00	-22.61	11.18	0.06	6.50	0.19	-0.01
132	156	857.50	-26.17	10.92	-2.03e-03	9.79	0.20	-4.32e-03
132	156	910.00	-31.33	10.84	0.11	13.18	0.18	8.88e-03
132	156	960.00	-20.38	-3.25	0.04	6.37	0.23	0.01
132	156	1010.00	-14.99	-6.09	-0.07	4.25	0.23	0.02
132	156	1060.00	-7.64	-5.33	-0.31	2.47	0.09	0.03
132	157	700.00	18.24	1.48	0.72	3.38	-0.47	-0.02
132	157	752.50	16.46	1.31	0.36	3.05	-0.28	0.03
132	157	805.00	11.91	2.91	-0.02	3.43	-0.18	0.03
132	157	857.50	10.53	2.96	-0.13	3.47	-0.21	0.01
132	157	910.00	9.73	3.08	-0.15	3.81	-0.34	-2.72e-03
132	157	960.00	7.93	3.39	0.21	3.29	-0.33	-0.03
132	157	1010.00	4.67	4.24	0.22	1.83	-0.22	-0.05
132	157	1060.00	1.94	5.06	0.35	1.22	-0.08	-0.05
132	159	700.00	19.58	1.00	0.33	-3.43	-0.36	-7.61e-03
132	159	752.50	17.79	0.83	-0.03	-3.77	-0.17	0.03
132	159	805.00	18.19	-1.54	-0.08	-3.43	-0.22	0.02
132	159	857.50	17.60	-1.19	-0.06	-4.49	-0.27	9.82e-03
132	159	910.00	18.94	-0.82	-0.07	-5.39	-0.26	-9.48e-03
132	159	960.00	11.82	6.57	0.15	-2.15	-0.24	-0.02
132	159	1010.00	7.72	9.02	0.15	-1.90	-0.17	-0.03
132	159	1060.00	2.76	9.76	0.26	-0.43	-0.09	-0.04
132	177	700.00	2.68	2.29	1.30	13.87	-0.51	-0.04
132	177	752.50	0.90	2.11	0.94	13.54	-0.31	3.42e-03
132	177	805.00	-11.18	12.95	0.09	14.69	0.01	0.02
132	177	857.50	-15.34	12.49	-0.18	17.66	0.02	0.01
132	177	910.00	-21.32	12.16	-0.17	21.01	-0.24	9.26e-03

132	177	960.00	-9.79	-3.33	0.23	12.28	-0.21	-0.03
132	177	1010.00	-8.10	-5.94	0.20	8.14	-0.10	-0.03
132	177	1060.00	-3.46	-4.70	0.18	4.13	-2.85e-03	-0.04
132	188	700.00	-13.68	1.70	0.76	4.57	-0.13	-0.03
132	188	752.50	-15.47	1.53	0.40	4.24	0.06	-0.03
132	188	805.00	-21.94	10.85	0.05	6.28	0.18	-0.01
132	188	857.50	-25.29	10.61	-3.46e-03	9.50	0.20	-4.12e-03
132	188	910.00	-30.11	10.54	0.11	12.81	0.18	8.52e-03
132	188	960.00	-19.64	-3.07	0.04	6.21	0.23	0.01
132	188	1010.00	-14.49	-5.81	-0.07	4.14	0.22	0.02
132	188	1060.00	-7.41	-5.05	-0.31	2.42	0.09	0.03
132	189	700.00	18.02	1.46	0.71	3.40	-0.47	-0.02
132	189	752.50	16.24	1.29	0.35	3.07	-0.28	0.03
132	189	805.00	11.77	2.93	-0.02	3.43	-0.18	0.02
132	189	857.50	10.22	2.98	-0.13	3.44	-0.21	0.01
132	189	910.00	9.19	3.09	-0.15	3.73	-0.34	-2.83e-03
132	189	960.00	7.54	3.38	0.21	3.18	-0.33	-0.03
132	189	1010.00	4.40	4.24	0.22	1.75	-0.22	-0.04
132	189	1060.00	1.79	5.06	0.35	1.18	-0.08	-0.05
132	191	700.00	19.03	1.02	0.33	-3.24	-0.36	-7.55e-03
132	191	752.50	17.25	0.84	-0.03	-3.57	-0.17	0.03
132	191	805.00	17.53	-1.21	-0.08	-3.21	-0.22	0.02
132	191	857.50	16.72	-0.88	-0.06	-4.20	-0.27	9.62e-03
132	191	910.00	17.71	-0.52	-0.07	-5.02	-0.26	-9.11e-03
132	191	960.00	11.09	6.40	0.15	-2.00	-0.24	-0.02
132	191	1010.00	7.21	8.74	0.15	-1.79	-0.17	-0.03
132	191	1060.00	2.54	9.48	0.26	-0.38	-0.09	-0.04
132	209	700.00	2.99	2.41	1.42	15.99	-0.55	-0.04
132	209	752.50	1.21	2.23	1.06	15.66	-0.36	4.16e-03
132	209	805.00	-12.24	14.06	0.11	16.75	0.02	0.02
132	209	857.50	-16.69	13.52	-0.20	19.93	0.03	0.02
132	209	910.00	-23.25	13.13	-0.20	23.53	-0.27	0.01
132	209	960.00	-10.43	-4.05	0.26	13.77	-0.25	-0.03
132	209	1010.00	-8.65	-6.98	0.23	9.16	-0.12	-0.04
132	209	1060.00	-3.57	-5.67	0.21	4.58	-3.49e-03	-0.04
132	220	700.00	-16.26	1.75	0.79	5.14	-0.11	-0.03
132	220	752.50	-18.05	1.58	0.43	4.81	0.08	-0.03
132	220	805.00	-25.03	11.72	0.06	6.98	0.21	-0.01
132	220	857.50	-28.49	11.45	1.39e-03	10.52	0.24	-5.22e-03
132	220	910.00	-33.64	11.35	0.13	14.14	0.22	9.85e-03
132	220	960.00	-21.93	-3.79	0.03	6.84	0.27	0.01
132	220	1010.00	-16.10	-6.91	-0.09	4.59	0.26	0.02
132	220	1060.00	-8.17	-6.16	-0.36	2.64	0.10	0.03
132	221	700.00	20.62	1.47	0.74	3.90	-0.51	-0.02
132	221	752.50	18.83	1.29	0.38	3.57	-0.32	0.03
132	221	805.00	14.16	2.61	-0.02	3.78	-0.21	0.03
132	221	857.50	12.62	2.66	-0.14	3.57	-0.24	0.02
132	221	910.00	11.63	2.77	-0.18	3.68	-0.39	-3.34e-03
132	221	960.00	9.40	3.67	0.23	3.31	-0.38	-0.04
132	221	1010.00	5.66	4.71	0.25	1.82	-0.26	-0.05
132	221	1060.00	2.45	5.54	0.41	1.19	-0.09	-0.06
132	223	700.00	21.62	0.97	0.30	-3.81	-0.38	-5.83e-03
132	223	752.50	19.83	0.80	-0.06	-4.14	-0.19	0.03
132	223	805.00	20.61	-2.08	-0.09	-3.91	-0.25	0.02
132	223	857.50	19.92	-1.72	-0.07	-5.21	-0.31	0.01
132	223	910.00	21.24	-1.33	-0.09	-6.36	-0.30	-0.01
132	223	960.00	13.37	7.12	0.16	-2.62	-0.28	-0.03
132	223	1010.00	8.83	9.84	0.17	-2.24	-0.20	-0.04
132	223	1060.00	3.29	10.58	0.31	-0.60	-0.10	-0.05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-33.64	-6.98	-0.86	-6.36	-0.55	-0.16
	21.62	14.06	1.42	23.53	0.78	0.12

Macro	Tipo	Angolo 1-Z (gradi)
133	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
133	15	0.0	-3.64	-0.10	1.49	0.02	0.0	8.45e-03
133	15	40.00	-3.64	-0.10	1.49	-0.02	0.60	0.01
133	15	80.00	-3.36	-0.05	1.35	-0.01	1.14	9.00e-03

133	15	120.00	-3.60	0.01	0.58	6.12e-03	1.37	2.88e-03
133	15	165.00	-3.33	0.01	0.36	0.01	1.53	7.75e-06
133	15	210.00	-3.05	0.01	0.14	0.02	1.59	-3.36e-03
133	15	253.33	-1.09	0.22	-1.26	-0.04	1.05	-8.97e-03
133	15	253.33	-1.09	0.22	-1.26	-0.04	1.05	-8.97e-03
133	15	296.67	-1.09	0.22	-1.26	0.05	0.51	-9.69e-03
133	15	296.67	-1.09	0.22	-1.26	0.05	0.51	-9.69e-03
133	15	340.00	-0.36	0.31	-1.17	0.07	0.0	-7.31e-03
133	19	0.0	-2.84	-0.05	1.49	7.31e-03	0.0	8.57e-03
133	19	40.00	-2.84	-0.05	1.49	-0.01	0.60	0.01
133	19	80.00	-2.63	-0.03	1.35	-9.22e-03	1.14	9.13e-03
133	19	120.00	-2.82	0.01	0.58	2.18e-03	1.37	2.94e-03
133	19	165.00	-2.61	0.01	0.37	7.49e-03	1.53	4.39e-05
133	19	210.00	-2.40	0.01	0.14	0.01	1.59	-3.35e-03
133	19	253.33	-0.86	0.14	-1.26	-0.03	1.05	-8.99e-03
133	19	253.33	-0.86	0.14	-1.26	-0.03	1.05	-8.99e-03
133	19	296.67	-0.86	0.14	-1.26	0.03	0.51	-9.71e-03
133	19	296.67	-0.86	0.14	-1.26	0.03	0.51	-9.71e-03
133	19	340.00	-0.29	0.19	-1.17	0.04	0.0	-7.34e-03
133	28	0.0	-3.29	-0.33	-0.45	0.08	0.0	-3.25e-03
133	28	40.00	-3.29	-0.33	-0.45	-0.06	-0.18	-4.78e-03
133	28	80.00	-2.93	-0.17	-0.40	-0.02	-0.34	-3.49e-03
133	28	120.00	-3.14	6.51e-03	-0.17	0.02	-0.41	-1.22e-03
133	28	165.00	-2.88	6.51e-03	-0.11	0.02	-0.46	-1.82e-04
133	28	210.00	-2.60	6.51e-03	-0.04	0.03	-0.48	1.01e-03
133	28	253.33	-0.83	0.53	0.38	-0.11	-0.31	2.94e-03
133	28	253.33	-0.83	0.53	0.38	-0.11	-0.31	2.94e-03
133	28	296.67	-0.83	0.53	0.38	0.12	-0.15	3.20e-03
133	28	296.67	-0.83	0.53	0.38	0.12	-0.15	3.20e-03
133	28	340.00	-0.28	0.72	0.35	0.16	0.0	2.44e-03
133	32	0.0	-2.49	-0.28	-0.45	0.06	0.0	-3.13e-03
133	32	40.00	-2.49	-0.28	-0.45	-0.05	-0.18	-4.61e-03
133	32	80.00	-2.20	-0.14	-0.40	-0.02	-0.34	-3.36e-03
133	32	120.00	-2.36	6.80e-03	-0.17	0.02	-0.41	-1.16e-03
133	32	165.00	-2.16	6.80e-03	-0.11	0.02	-0.46	-1.46e-04
133	32	210.00	-1.94	6.80e-03	-0.04	0.02	-0.48	1.02e-03
133	32	253.33	-0.61	0.45	0.38	-0.09	-0.31	2.92e-03
133	32	253.33	-0.61	0.45	0.38	-0.09	-0.31	2.92e-03
133	32	296.67	-0.61	0.45	0.38	0.10	-0.15	3.17e-03
133	32	296.67	-0.61	0.45	0.38	0.10	-0.15	3.17e-03
133	32	340.00	-0.20	0.60	0.35	0.13	0.0	2.42e-03
133	72	0.0	-2.81	-0.08	0.99	0.02	0.0	5.61e-03
133	72	40.00	-2.81	-0.08	0.99	-0.02	0.40	8.23e-03
133	72	80.00	-2.59	-0.04	0.90	-8.79e-03	0.76	5.97e-03
133	72	120.00	-2.77	7.78e-03	0.39	4.96e-03	0.91	1.90e-03
133	72	165.00	-2.57	7.78e-03	0.24	8.46e-03	1.02	-2.25e-06
133	72	210.00	-2.35	7.78e-03	0.09	0.01	1.06	-2.24e-03
133	72	253.33	-0.84	0.17	-0.84	-0.03	0.70	-5.97e-03
133	72	253.33	-0.84	0.17	-0.84	-0.03	0.70	-5.97e-03
133	72	296.67	-0.84	0.17	-0.84	0.04	0.34	-6.45e-03
133	72	296.67	-0.84	0.17	-0.84	0.04	0.34	-6.45e-03
133	72	340.00	-0.28	0.23	-0.78	0.05	0.0	-4.87e-03
133	80	0.0	-2.57	-0.23	-0.30	0.05	0.0	-2.20e-03
133	80	40.00	-2.57	-0.23	-0.30	-0.04	-0.12	-3.23e-03
133	80	80.00	-2.30	-0.12	-0.27	-0.01	-0.23	-2.36e-03
133	80	120.00	-2.47	4.44e-03	-0.12	0.01	-0.27	-8.26e-04
133	80	165.00	-2.26	4.44e-03	-0.07	0.02	-0.31	-1.29e-04
133	80	210.00	-2.05	4.44e-03	-0.03	0.02	-0.32	6.70e-04
133	80	253.33	-0.67	0.37	0.25	-0.07	-0.21	1.97e-03
133	80	253.33	-0.67	0.37	0.25	-0.07	-0.21	1.97e-03
133	80	296.67	-0.67	0.37	0.25	0.09	-0.10	2.15e-03
133	80	296.67	-0.67	0.37	0.25	0.09	-0.10	2.15e-03
133	80	340.00	-0.22	0.50	0.23	0.11	0.0	1.64e-03
133	98	0.0	-2.66	-0.18	6.15e-04	0.04	0.0	-3.98e-04
133	98	40.00	-2.66	-0.18	6.16e-04	-0.03	2.46e-04	-5.91e-04
133	98	80.00	-2.41	-0.09	7.04e-04	-8.80e-03	5.27e-04	-4.46e-04
133	98	120.00	-2.58	-1.27e-03	-1.74e-04	0.01	4.57e-04	-2.14e-04
133	98	165.00	-2.38	-1.27e-03	-1.74e-04	0.01	3.78e-04	-1.28e-04
133	98	210.00	-2.16	-1.26e-03	-1.71e-04	0.01	3.00e-04	-4.91e-05
133	98	253.33	-0.73	0.29	-4.12e-04	-0.06	5.38e-05	5.45e-05
133	98	253.33	-0.73	0.29	-4.12e-04	-0.06	5.38e-05	5.45e-05
133	98	296.67	-0.73	0.29	-4.10e-04	0.07	-1.24e-04	7.77e-05
133	98	296.67	-0.73	0.29	-4.10e-04	0.07	-1.24e-04	7.77e-05
133	98	340.00	-0.24	0.40	2.87e-04	0.09	0.0	7.10e-05
133	102	0.0	-2.77	-0.11	0.20	0.03	0.0	8.91e-04

133	102	40.00	-2.77	-0.11	0.20	-0.02	0.08	1.30e-03
133	102	80.00	-2.55	-0.06	0.18	-7.84e-03	0.15	9.37e-04
133	102	120.00	-2.73	1.58e-03	0.08	8.51e-03	0.18	2.62e-04
133	102	165.00	-2.52	1.58e-03	0.05	9.22e-03	0.20	-6.72e-05
133	102	210.00	-2.31	1.58e-03	0.02	9.93e-03	0.21	-4.65e-04
133	102	253.33	-0.82	0.19	-0.17	-0.04	0.14	-1.14e-03
133	102	253.33	-0.82	0.19	-0.17	-0.04	0.14	-1.14e-03
133	102	296.67	-0.82	0.19	-0.17	0.04	0.07	-1.22e-03
133	102	296.67	-0.82	0.19	-0.17	0.04	0.07	-1.22e-03
133	102	340.00	-0.27	0.27	-0.16	0.06	0.0	-9.14e-04
133	105	0.0	-2.67	-0.18	-0.10	0.04	0.0	-9.60e-04
133	105	40.00	-2.67	-0.18	-0.10	-0.03	-0.04	-1.41e-03
133	105	80.00	-2.42	-0.09	-0.09	-9.69e-03	-0.08	-1.04e-03
133	105	120.00	-2.59	7.60e-04	-0.04	0.01	-0.09	-3.96e-04
133	105	165.00	-2.38	7.60e-04	-0.02	0.01	-0.10	-1.13e-04
133	105	210.00	-2.17	7.61e-04	-9.39e-03	0.01	-0.11	2.01e-04
133	105	253.33	-0.74	0.29	0.08	-0.06	-0.07	6.97e-04
133	105	253.33	-0.74	0.29	0.08	-0.06	-0.07	6.97e-04
133	105	296.67	-0.74	0.29	0.08	0.07	-0.03	7.70e-04
133	105	296.67	-0.74	0.29	0.08	0.07	-0.03	7.70e-04
133	105	340.00	-0.25	0.39	0.08	0.09	0.0	5.95e-04
133	106	0.0	-2.76	-0.12	4.64e-04	0.03	0.0	-2.88e-04
133	106	40.00	-2.76	-0.12	4.65e-04	-0.02	1.86e-04	-4.26e-04
133	106	80.00	-2.54	-0.06	5.30e-04	-7.60e-03	3.97e-04	-3.21e-04
133	106	120.00	-2.72	3.10e-05	-1.36e-04	9.40e-03	3.43e-04	-1.49e-04
133	106	165.00	-2.51	3.12e-05	-1.36e-04	9.41e-03	2.81e-04	-8.35e-05
133	106	210.00	-2.30	3.20e-05	-1.33e-04	9.42e-03	2.21e-04	-1.99e-05
133	106	253.33	-0.81	0.20	-3.07e-04	-0.04	3.43e-05	6.76e-05
133	106	253.33	-0.81	0.20	-3.07e-04	-0.04	3.43e-05	6.76e-05
133	106	296.67	-0.81	0.20	-3.06e-04	0.05	-9.85e-05	8.57e-05
133	106	296.67	-0.81	0.20	-3.06e-04	0.05	-9.85e-05	8.57e-05
133	106	340.00	-0.27	0.27	2.28e-04	0.06	0.0	7.46e-05
133	107	0.0	-2.67	-0.17	5.93e-04	0.04	0.0	-3.82e-04
133	107	40.00	-2.67	-0.17	5.94e-04	-0.03	2.37e-04	-5.67e-04
133	107	80.00	-2.43	-0.09	6.79e-04	-8.63e-03	5.08e-04	-4.28e-04
133	107	120.00	-2.60	-1.08e-03	-1.69e-04	0.01	4.41e-04	-2.04e-04
133	107	165.00	-2.40	-1.08e-03	-1.68e-04	0.01	3.65e-04	-1.22e-04
133	107	210.00	-2.18	-1.08e-03	-1.66e-04	0.01	2.89e-04	-4.49e-05
133	107	253.33	-0.74	0.28	-3.97e-04	-0.06	5.10e-05	5.64e-05
133	107	253.33	-0.74	0.28	-3.97e-04	-0.06	5.10e-05	5.64e-05
133	107	296.67	-0.74	0.28	-3.95e-04	0.06	-1.21e-04	7.88e-05
133	107	296.67	-0.74	0.28	-3.95e-04	0.06	-1.21e-04	7.88e-05
133	107	340.00	-0.25	0.38	2.78e-04	0.08	0.0	7.15e-05
133	108	0.0	-4.01	7.80	0.07	-4.19	0.02	-0.01
133	108	40.00	-4.01	7.80	0.07	-4.26	0.02	-0.01
133	108	80.00	-3.57	5.06	0.06	-4.61	0.05	-0.01
133	108	120.00	-2.62	14.88	0.04	-9.09	0.08	-9.34e-03
133	108	165.00	-2.43	14.88	1.05e-03	-2.82	0.11	-8.28e-03
133	108	210.00	-2.15	14.87	0.01	3.80	0.12	-0.01
133	108	253.33	-0.44	5.13	0.02	1.26	0.04	-0.01
133	108	253.33	-0.44	5.13	0.02	1.26	0.04	-0.01
133	108	296.67	-0.44	5.13	0.02	1.38	0.04	-0.01
133	108	296.67	-0.44	5.13	0.02	1.38	0.04	-0.01
133	108	340.00	-0.16	5.58	-0.07	0.38	0.02	-0.01
133	111	0.0	-1.34	-8.14	-0.07	4.27	-0.02	0.01
133	111	40.00	-1.34	-8.14	-0.07	4.20	-0.02	0.01
133	111	80.00	-1.28	-5.24	-0.06	4.59	-0.05	0.01
133	111	120.00	-2.58	-14.88	-0.04	9.12	-0.08	8.93e-03
133	111	165.00	-2.36	-14.88	-1.39e-03	2.85	-0.11	8.04e-03
133	111	210.00	-2.21	-14.87	-0.01	-3.77	-0.12	0.01
133	111	253.33	-1.05	-4.57	-0.02	-1.37	-0.04	0.01
133	111	253.33	-1.05	-4.57	-0.02	-1.37	-0.04	0.01
133	111	296.67	-1.05	-4.57	-0.02	-1.25	-0.04	0.01
133	111	296.67	-1.05	-4.57	-0.02	-1.25	-0.04	0.01
133	111	340.00	-0.34	-4.81	0.07	-0.21	-0.02	0.01
133	117	0.0	-3.31	3.76	-0.12	-2.10	-0.02	-0.02
133	117	40.00	-3.31	3.76	-0.12	-2.17	-0.02	-0.02
133	117	80.00	-2.87	2.47	-0.10	-2.34	-0.06	-0.02
133	117	120.00	-2.51	7.55	-0.04	-4.60	-0.10	-0.01
133	117	165.00	-2.31	7.55	-0.04	-1.42	-0.11	-0.01
133	117	210.00	-2.04	7.54	-0.01	1.94	-0.13	-9.77e-03
133	117	253.33	-0.55	2.86	0.13	0.61	-0.06	-0.01
133	117	253.33	-0.55	2.86	0.13	0.61	-0.06	-0.01
133	117	296.67	-0.55	2.86	0.13	0.73	-0.06	-0.01
133	117	296.67	-0.55	2.86	0.13	0.73	-0.06	-0.01

133	117	340.00	-0.15	3.15	0.05	0.23	-4.57e-03	-0.01
133	121	0.0	-3.59	5.79	-0.10	-3.18	-0.02	-0.01
133	121	40.00	-3.59	5.79	-0.10	-3.25	-0.02	-0.01
133	121	80.00	-3.18	3.78	-0.08	-3.51	-0.05	-0.01
133	121	120.00	-2.40	11.33	-0.02	-6.92	-0.08	-9.53e-03
133	121	165.00	-2.28	11.33	-0.03	-2.14	-0.09	-8.42e-03
133	121	210.00	-2.04	11.32	-7.64e-03	2.90	-0.10	-9.10e-03
133	121	253.33	-0.46	4.09	0.11	0.94	-0.05	-0.01
133	121	253.33	-0.46	4.09	0.11	0.94	-0.05	-0.01
133	121	296.67	-0.46	4.09	0.11	1.07	-0.05	-0.01
133	121	296.67	-0.46	4.09	0.11	1.07	-0.05	-0.01
133	121	340.00	-0.12	4.48	0.03	0.31	-7.47e-04	-0.01
133	140	0.0	-4.18	8.80	0.08	-4.72	0.02	-0.02
133	140	40.00	-4.18	8.80	0.08	-4.79	0.02	-0.02
133	140	80.00	-3.71	5.71	0.06	-5.19	0.05	-0.02
133	140	120.00	-2.62	16.74	0.05	-10.23	0.09	-0.01
133	140	165.00	-2.43	16.74	1.08e-03	-3.17	0.12	-9.31e-03
133	140	210.00	-2.15	16.73	0.01	4.27	0.14	-0.01
133	140	253.33	-0.40	5.74	0.02	1.42	0.04	-0.02
133	140	253.33	-0.40	5.74	0.02	1.42	0.04	-0.02
133	140	296.67	-0.40	5.74	0.02	1.54	0.04	-0.02
133	140	296.67	-0.40	5.74	0.02	1.54	0.04	-0.02
133	140	340.00	-0.14	6.23	-0.08	0.42	0.02	-0.02
133	143	0.0	-1.17	-9.14	-0.07	4.80	-0.02	0.02
133	143	40.00	-1.17	-9.14	-0.07	4.73	-0.02	0.02
133	143	80.00	-1.14	-5.88	-0.06	5.17	-0.05	0.01
133	143	120.00	-2.58	-16.74	-0.05	10.26	-0.09	0.01
133	143	165.00	-2.36	-16.74	-1.41e-03	3.20	-0.12	9.07e-03
133	143	210.00	-2.21	-16.73	-0.01	-4.24	-0.14	0.01
133	143	253.33	-1.08	-5.18	-0.02	-1.54	-0.04	0.02
133	143	253.33	-1.08	-5.18	-0.02	-1.54	-0.04	0.02
133	143	296.67	-1.08	-5.18	-0.02	-1.41	-0.04	0.02
133	143	296.67	-1.08	-5.18	-0.02	-1.41	-0.04	0.02
133	143	340.00	-0.35	-5.46	0.08	-0.25	-0.02	0.02
133	149	0.0	-3.38	4.21	-0.13	-2.36	-0.02	-0.02
133	149	40.00	-3.38	4.21	-0.13	-2.43	-0.02	-0.02
133	149	80.00	-2.91	2.76	-0.11	-2.62	-0.07	-0.02
133	149	120.00	-2.49	8.44	-0.04	-5.15	-0.11	-0.01
133	149	165.00	-2.29	8.44	-0.04	-1.59	-0.12	-0.01
133	149	210.00	-2.02	8.43	-0.01	2.16	-0.14	-0.01
133	149	253.33	-0.53	3.17	0.14	0.69	-0.07	-0.01
133	149	253.33	-0.53	3.17	0.14	0.69	-0.07	-0.01
133	149	296.67	-0.53	3.17	0.14	0.81	-0.07	-0.01
133	149	296.67	-0.53	3.17	0.14	0.81	-0.07	-0.01
133	149	340.00	-0.14	3.49	0.05	0.25	-5.11e-03	-0.01
133	153	0.0	-3.70	6.50	-0.11	-3.57	-0.02	-0.02
133	153	40.00	-3.70	6.50	-0.11	-3.63	-0.02	-0.02
133	153	80.00	-3.27	4.24	-0.09	-3.93	-0.06	-0.02
133	153	120.00	-2.37	12.69	-0.03	-7.75	-0.09	-0.01
133	153	165.00	-2.26	12.68	-0.03	-2.40	-0.10	-9.50e-03
133	153	210.00	-2.02	12.67	-8.56e-03	3.24	-0.12	-0.01
133	153	253.33	-0.42	4.55	0.12	1.06	-0.06	-0.01
133	153	253.33	-0.42	4.55	0.12	1.06	-0.06	-0.01
133	153	296.67	-0.42	4.55	0.12	1.19	-0.06	-0.01
133	153	296.67	-0.42	4.55	0.12	1.19	-0.06	-0.01
133	153	340.00	-0.10	4.98	0.03	0.34	-8.18e-04	-0.01
133	172	0.0	-4.10	8.43	0.07	-4.53	0.02	-0.02
133	172	40.00	-4.10	8.43	0.07	-4.60	0.02	-0.02
133	172	80.00	-3.66	5.47	0.06	-4.98	0.05	-0.02
133	172	120.00	-2.60	16.07	0.04	-9.82	0.08	-0.01
133	172	165.00	-2.41	16.07	5.59e-04	-3.05	0.12	-9.25e-03
133	172	210.00	-2.14	16.05	0.01	4.10	0.14	-0.01
133	172	253.33	-0.41	5.53	0.02	1.36	0.04	-0.02
133	172	253.33	-0.41	5.53	0.02	1.36	0.04	-0.02
133	172	296.67	-0.41	5.53	0.02	1.48	0.04	-0.02
133	172	296.67	-0.41	5.53	0.02	1.48	0.04	-0.02
133	172	340.00	-0.15	6.01	-0.07	0.40	0.02	-0.02
133	178	0.0	-1.40	-8.61	0.03	4.61	2.20e-03	0.02
133	178	40.00	-1.40	-8.61	0.03	4.54	2.44e-03	0.02
133	178	80.00	-1.36	-5.56	0.05	4.96	0.01	0.01
133	178	120.00	-2.89	-16.07	0.03	9.84	0.01	0.01
133	178	165.00	-2.59	-16.07	0.06	3.07	-1.03e-03	8.96e-03
133	178	210.00	-2.41	-16.06	9.06e-03	-4.08	1.46e-03	9.71e-03
133	178	253.33	-1.16	-5.11	-0.13	-1.48	0.03	0.01
133	178	253.33	-1.16	-5.11	-0.13	-1.48	0.03	0.01

133	178	296.67	-1.16	-5.11	-0.13	-1.36	0.03	0.01
133	178	296.67	-1.16	-5.11	-0.13	-1.36	0.03	0.01
133	178	340.00	-0.38	-5.41	-0.03	-0.24	-4.66e-04	0.01
133	181	0.0	-3.30	3.81	-0.12	-2.16	-0.02	-0.02
133	181	40.00	-3.30	3.81	-0.12	-2.23	-0.02	-0.02
133	181	80.00	-2.84	2.51	-0.11	-2.40	-0.07	-0.02
133	181	120.00	-2.45	7.75	-0.04	-4.72	-0.10	-0.01
133	181	165.00	-2.26	7.74	-0.04	-1.46	-0.12	-0.01
133	181	210.00	-1.99	7.74	-0.01	1.99	-0.14	-0.01
133	181	253.33	-0.54	2.97	0.14	0.63	-0.07	-0.01
133	181	253.33	-0.54	2.97	0.14	0.63	-0.07	-0.01
133	181	296.67	-0.54	2.97	0.14	0.75	-0.07	-0.01
133	181	296.67	-0.54	2.97	0.14	0.75	-0.07	-0.01
133	181	340.00	-0.14	3.27	0.05	0.24	-4.93e-03	-0.01
133	185	0.0	-3.62	6.02	-0.11	-3.33	-0.02	-0.02
133	185	40.00	-3.62	6.02	-0.11	-3.40	-0.02	-0.02
133	185	80.00	-3.18	3.93	-0.09	-3.67	-0.06	-0.02
133	185	120.00	-2.34	11.85	-0.03	-7.23	-0.09	-0.01
133	185	165.00	-2.22	11.85	-0.03	-2.24	-0.10	-9.75e-03
133	185	210.00	-1.98	11.84	-8.36e-03	3.03	-0.11	-0.01
133	185	253.33	-0.43	4.31	0.12	0.99	-0.06	-0.01
133	185	253.33	-0.43	4.31	0.12	0.99	-0.06	-0.01
133	185	296.67	-0.43	4.31	0.12	1.11	-0.06	-0.01
133	185	296.67	-0.43	4.31	0.12	1.11	-0.06	-0.01
133	185	340.00	-0.11	4.72	0.03	0.32	-6.89e-04	-0.01
133	204	0.0	-4.31	9.72	0.08	-5.22	0.02	-0.02
133	204	40.00	-4.31	9.72	0.08	-5.29	0.02	-0.02
133	204	80.00	-3.84	6.31	0.07	-5.73	0.06	-0.02
133	204	120.00	-2.58	18.50	0.05	-11.31	0.10	-0.01
133	204	165.00	-2.39	18.50	6.62e-04	-3.51	0.14	-0.01
133	204	210.00	-2.12	18.49	0.02	4.72	0.16	-0.01
133	204	253.33	-0.35	6.33	0.02	1.58	0.05	-0.02
133	204	253.33	-0.35	6.33	0.02	1.58	0.05	-0.02
133	204	296.67	-0.35	6.33	0.02	1.70	0.05	-0.02
133	204	296.67	-0.35	6.33	0.02	1.70	0.05	-0.02
133	204	340.00	-0.13	6.87	-0.09	0.45	0.03	-0.02
133	210	0.0	-1.21	-9.88	0.04	5.30	2.67e-03	0.02
133	210	40.00	-1.21	-9.88	0.04	5.23	2.91e-03	0.02
133	210	80.00	-1.21	-6.39	0.06	5.71	0.01	0.02
133	210	120.00	-2.95	-18.51	0.03	11.33	0.01	0.01
133	210	165.00	-2.64	-18.51	0.07	3.53	-1.29e-03	0.01
133	210	210.00	-2.46	-18.49	0.01	-4.70	1.59e-03	0.01
133	210	253.33	-1.23	-5.94	-0.15	-1.69	0.03	0.01
133	210	253.33	-1.23	-5.94	-0.15	-1.69	0.03	0.01
133	210	296.67	-1.23	-5.94	-0.15	-1.57	0.03	0.01
133	210	296.67	-1.23	-5.94	-0.15	-1.57	0.03	0.01
133	210	340.00	-0.40	-6.30	-0.03	-0.29	-5.78e-04	0.01
133	213	0.0	-3.40	4.40	-0.15	-2.50	-0.03	-0.03
133	213	40.00	-3.40	4.40	-0.15	-2.57	-0.03	-0.03
133	213	80.00	-2.88	2.90	-0.13	-2.77	-0.08	-0.02
133	213	120.00	-2.41	8.94	-0.05	-5.45	-0.12	-0.02
133	213	165.00	-2.21	8.94	-0.05	-1.68	-0.14	-0.01
133	213	210.00	-1.93	8.93	-0.02	2.29	-0.16	-0.01
133	213	253.33	-0.50	3.40	0.17	0.73	-0.08	-0.02
133	213	253.33	-0.50	3.40	0.17	0.73	-0.08	-0.02
133	213	296.67	-0.50	3.40	0.17	0.86	-0.08	-0.02
133	213	296.67	-0.50	3.40	0.17	0.86	-0.08	-0.02
133	213	340.00	-0.12	3.74	0.06	0.26	-5.62e-03	-0.02
133	217	0.0	-3.76	6.95	-0.13	-3.85	-0.02	-0.02
133	217	40.00	-3.76	6.95	-0.13	-3.92	-0.02	-0.02
133	217	80.00	-3.28	4.54	-0.10	-4.24	-0.07	-0.02
133	217	120.00	-2.28	13.68	-0.03	-8.35	-0.10	-0.01
133	217	165.00	-2.17	13.68	-0.03	-2.59	-0.11	-0.01
133	217	210.00	-1.93	13.67	-9.62e-03	3.50	-0.13	-0.01
133	217	253.33	-0.38	4.95	0.14	1.15	-0.07	-0.02
133	217	253.33	-0.38	4.95	0.14	1.15	-0.07	-0.02
133	217	296.67	-0.38	4.95	0.14	1.27	-0.07	-0.02
133	217	296.67	-0.38	4.95	0.14	1.27	-0.07	-0.02
133	217	340.00	-0.09	5.40	0.04	0.36	-6.19e-04	-0.02

M_S

N memb.

V memb.

V orto

M memb.

M orto

T

-4.31

-18.51

-1.26

-11.31

-0.48

-0.03

-0.09

18.50

1.49

11.33

1.59

0.02

Macro	Tipo	Angolo 1-Z (gradi)
134	Setto	0.0

M_S	Cmb	Z cm	N memb. kN	V memb. kN	V orto kN	M memb. kN m	M orto kN m	T kN m
134	9	340.00	0.99	-6.38	0.24	-0.14	0.01	0.14
134	9	392.50	0.99	-6.38	0.21	-3.66	0.16	0.18
134	9	445.00	0.90	-5.38	-0.28	-3.55	0.0	0.12
134	28	340.00	0.82	-7.21	-0.48	-0.18	-0.02	-0.28
134	28	392.50	0.82	-7.21	-0.43	-4.28	-0.33	-0.36
134	28	445.00	0.80	-5.93	0.56	-4.19	0.0	-0.24
134	44	340.00	0.85	-7.06	-0.79	-0.18	-0.04	-0.46
134	44	392.50	0.85	-7.06	-0.71	-4.18	-0.55	-0.60
134	44	445.00	0.80	-5.80	0.94	-4.13	0.0	-0.41
134	47	340.00	0.63	-5.44	-0.79	-0.14	-0.03	-0.46
134	47	392.50	0.63	-5.44	-0.71	-3.25	-0.55	-0.60
134	47	445.00	0.60	-4.45	0.94	-3.23	0.0	-0.41
134	69	340.00	0.76	-4.87	0.16	-0.11	6.86e-03	0.09
134	69	392.50	0.76	-4.87	0.14	-2.79	0.11	0.12
134	69	445.00	0.69	-4.11	-0.18	-2.71	0.0	0.08
134	80	340.00	0.65	-5.42	-0.32	-0.13	-0.01	-0.18
134	80	392.50	0.65	-5.42	-0.28	-3.20	-0.22	-0.24
134	80	445.00	0.63	-4.47	0.38	-3.14	0.0	-0.16
134	87	340.00	0.66	-5.27	-0.53	-0.13	-0.02	-0.31
134	87	392.50	0.66	-5.27	-0.47	-3.12	-0.37	-0.40
134	87	445.00	0.62	-4.35	0.62	-3.09	0.0	-0.27
134	88	340.00	0.67	-5.32	-0.53	-0.13	-0.02	-0.31
134	88	392.50	0.67	-5.32	-0.47	-3.14	-0.37	-0.40
134	88	445.00	0.62	-4.38	0.62	-3.10	0.0	-0.27
134	98	340.00	0.68	-5.18	-8.96e-04	-0.12	-9.83e-05	-8.51e-04
134	98	392.50	0.68	-5.18	-6.24e-04	-3.03	-1.27e-03	-1.27e-03
134	98	445.00	0.66	-4.32	1.95e-03	-2.95	0.0	-1.22e-03
134	99	340.00	0.75	-4.86	-1.29e-03	-0.11	-1.14e-04	-2.40e-04
134	99	392.50	0.75	-4.86	-1.01e-03	-2.80	-1.35e-03	-4.42e-04
134	99	445.00	0.68	-4.09	2.10e-03	-2.74	0.0	-6.05e-04
134	105	340.00	0.69	-5.15	-0.11	-0.12	-4.75e-03	-0.06
134	105	392.50	0.69	-5.15	-0.10	-3.01	-0.08	-0.08
134	105	445.00	0.65	-4.29	0.13	-2.95	0.0	-0.05
134	106	340.00	0.75	-4.85	-1.33e-03	-0.11	-1.16e-04	-1.97e-04
134	106	392.50	0.75	-4.85	-1.05e-03	-2.80	-1.36e-03	-3.85e-04
134	106	445.00	0.68	-4.08	2.13e-03	-2.74	0.0	-5.64e-04
134	107	340.00	0.69	-5.13	-9.58e-04	-0.12	-1.01e-04	-7.57e-04
134	107	392.50	0.69	-5.13	-6.84e-04	-2.99	-1.29e-03	-1.14e-03
134	107	445.00	0.66	-4.28	1.97e-03	-2.92	0.0	-1.13e-03
134	109	340.00	2.01	26.45	0.08	-0.04	0.01	-0.06
134	109	392.50	6.51	26.86	0.24	33.68	0.02	-0.06
134	109	445.00	4.23	26.35	-0.14	27.62	0.04	-0.06
134	110	340.00	-0.63	-36.72	-0.08	-0.19	-0.01	0.06
134	110	392.50	-5.13	-37.13	-0.24	-39.67	-0.02	0.06
134	110	445.00	-2.91	-34.91	0.15	-33.47	-0.04	0.06
134	115	340.00	-0.51	-37.78	-0.16	-0.28	-0.02	0.04
134	115	392.50	-5.10	-38.23	-0.34	-39.65	-0.06	0.04
134	115	445.00	-2.92	-34.86	0.24	-33.45	-0.06	0.04
134	121	340.00	1.83	20.38	0.06	-0.14	8.64e-03	-0.07
134	121	392.50	5.21	20.73	0.23	25.35	0.01	-0.07
134	121	445.00	3.41	19.50	-0.12	20.69	0.03	-0.06
134	141	340.00	2.18	30.47	0.09	-0.03	0.01	-0.07
134	141	392.50	7.25	30.93	0.27	38.35	0.02	-0.07
134	141	445.00	4.69	30.25	-0.16	31.51	0.04	-0.06
134	142	340.00	-0.80	-40.73	-0.09	-0.20	-0.01	0.07
134	142	392.50	-5.87	-41.20	-0.28	-44.34	-0.02	0.07
134	142	445.00	-3.37	-38.81	0.16	-37.36	-0.04	0.06
134	147	340.00	-0.66	-41.94	-0.18	-0.30	-0.02	0.04
134	147	392.50	-5.83	-42.45	-0.39	-44.32	-0.07	0.04
134	147	445.00	-3.37	-38.76	0.27	-37.34	-0.07	0.04
134	153	340.00	1.98	23.77	0.06	-0.14	9.78e-03	-0.08
134	153	392.50	5.80	24.16	0.26	29.11	0.01	-0.08
134	153	445.00	3.77	22.65	-0.13	23.82	0.03	-0.07
134	173	340.00	2.19	30.69	0.09	-0.03	0.01	-0.07
134	173	392.50	7.30	31.16	0.28	38.61	0.02	-0.07
134	173	445.00	4.71	30.48	-0.16	31.74	0.04	-0.06
134	174	340.00	-0.81	-40.96	-0.09	-0.20	-0.01	0.07
134	174	392.50	-5.92	-41.42	-0.28	-44.60	-0.02	0.07

134	174	445.00	-3.40	-39.04	0.16	-37.58	-0.04	0.06
134	179	340.00	-0.67	-42.23	-0.17	-0.30	-0.02	0.04
134	179	392.50	-5.88	-42.74	-0.39	-44.61	-0.07	0.04
134	179	445.00	-3.40	-39.02	0.27	-37.58	-0.07	0.04
134	185	340.00	2.02	24.94	0.07	-0.13	0.01	-0.08
134	185	392.50	6.02	25.35	0.27	30.41	0.02	-0.09
134	185	445.00	3.90	23.75	-0.14	24.91	0.04	-0.07
134	213	340.00	2.46	37.98	0.10	-1.82e-03	0.01	-0.10
134	213	392.50	8.53	38.54	0.33	46.72	0.03	-0.10
134	213	445.00	5.48	37.43	-0.18	38.47	0.05	-0.09
134	214	340.00	-1.07	-48.24	-0.10	-0.24	-0.01	0.10
134	214	392.50	-7.15	-48.80	-0.33	-52.71	-0.03	0.10
134	214	445.00	-4.16	-45.99	0.19	-44.32	-0.05	0.08
134	217	340.00	2.30	31.33	0.08	-0.14	0.01	-0.10
134	217	392.50	7.15	31.83	0.32	37.52	0.02	-0.10
134	217	445.00	4.59	29.72	-0.17	30.83	0.04	-0.09
134	219	340.00	-0.91	-49.78	-0.20	-0.35	-0.02	0.06
134	219	392.50	-7.10	-50.39	-0.47	-52.73	-0.09	0.06
134	219	445.00	-4.17	-45.98	0.31	-44.33	-0.08	0.06

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-7.15	-50.39	-0.79	-52.73	-0.55	-0.60
	8.53	38.54	0.94	46.72	0.16	0.18

Macro	Tipo	Angolo 1-Z (gradi)
135	Setto	0.0

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	kN	kN	kN	kN m	kN m	kN m
135	4	910.00	-1.16	11.12	1.00	-9.36	0.0	0.17
135	4	960.00	-1.16	11.12	1.00	-3.80	0.50	0.28
135	4	1010.00	-1.09	12.99	-0.05	-1.62	0.47	0.30
135	4	1060.00	2.39	11.47	-0.70	2.62	-0.01	0.22
135	18	910.00	-1.16	10.47	1.67	-8.63	0.0	0.28
135	18	960.00	-1.16	10.47	1.67	-3.40	0.84	0.47
135	18	1010.00	-1.09	12.34	-0.10	-1.36	0.79	0.50
135	18	1060.00	2.24	10.89	-1.17	2.53	-0.02	0.36
135	68	910.00	-0.88	8.09	0.66	-6.74	0.0	0.11
135	68	960.00	-0.88	8.09	0.66	-2.70	0.33	0.19
135	68	1010.00	-0.83	9.48	-0.04	-1.12	0.31	0.20
135	68	1060.00	1.72	8.36	-0.47	1.94	-7.07e-03	0.14
135	75	910.00	-0.88	7.65	1.11	-6.25	0.0	0.18
135	75	960.00	-0.88	7.65	1.11	-2.43	0.56	0.31
135	75	1010.00	-0.83	9.04	-0.07	-0.95	0.52	0.33
135	75	1060.00	1.62	7.97	-0.78	1.88	-0.01	0.24
135	98	910.00	-0.85	7.15	-6.49e-03	-5.86	0.0	2.17e-03
135	98	960.00	-0.85	7.15	-6.48e-03	-2.29	-3.24e-03	3.27e-03
135	98	1010.00	-0.80	8.40	7.52e-03	-0.91	5.19e-04	3.46e-03
135	98	1060.00	1.46	7.39	3.69e-03	1.78	-1.33e-04	1.23e-03
135	103	910.00	-0.85	7.02	0.22	-5.71	0.0	0.04
135	103	960.00	-0.85	7.02	0.22	-2.20	0.11	0.06
135	103	1010.00	-0.80	8.28	-7.60e-03	-0.85	0.11	0.07
135	103	1060.00	1.43	7.28	-0.15	1.77	-2.46e-03	0.05
135	107	910.00	-0.85	6.97	-6.19e-03	-5.68	0.0	2.06e-03
135	107	960.00	-0.85	6.97	-6.19e-03	-2.20	-3.10e-03	3.10e-03
135	107	1010.00	-0.80	8.21	7.23e-03	-0.86	5.20e-04	3.29e-03
135	107	1060.00	1.41	7.21	3.55e-03	1.76	-1.33e-04	1.15e-03
135	108	910.00	-1.17	22.35	-0.08	-27.66	-0.01	0.03
135	108	960.00	-1.17	22.35	-0.08	-24.18	-0.02	0.06
135	108	1010.00	-0.84	22.32	-7.03e-03	-16.87	-0.03	0.08
135	108	1060.00	2.75	18.84	-0.12	1.92	4.07e-03	0.07
135	113	910.00	-1.27	22.15	-0.35	-27.38	-0.08	-3.36e-03
135	113	960.00	-1.27	22.15	-0.35	-23.90	-0.08	0.03
135	113	1010.00	-0.95	22.22	0.03	-16.69	-0.16	0.03
135	113	1060.00	2.38	18.83	0.07	1.88	-0.03	0.03
135	128	910.00	-0.79	17.57	0.47	-20.42	0.12	0.07
135	128	960.00	-0.79	17.57	0.47	-16.94	0.12	0.08
135	128	1010.00	-0.59	17.91	-0.09	-11.57	0.22	0.11
135	128	1060.00	2.45	15.19	-0.36	1.89	0.06	0.10
135	140	910.00	-1.21	24.27	-0.09	-30.39	-0.01	0.03
135	140	960.00	-1.21	24.27	-0.09	-26.91	-0.02	0.07
135	140	1010.00	-0.84	24.08	-8.79e-03	-18.87	-0.04	0.09

135	140	1060.00	2.91	20.29	-0.13	1.94	4.59e-03	0.08
135	145	910.00	-1.33	24.04	-0.39	-30.08	-0.09	-4.02e-03
135	145	960.00	-1.33	24.04	-0.39	-26.60	-0.09	0.03
135	145	1010.00	-0.97	23.96	0.04	-18.66	-0.18	0.04
135	145	1060.00	2.51	20.28	0.08	1.89	-0.03	0.03
135	156	910.00	-0.84	19.87	0.52	-23.80	0.13	0.08
135	156	960.00	-0.84	19.87	0.52	-20.32	0.13	0.10
135	156	1010.00	-0.59	19.99	-0.08	-14.03	0.25	0.13
135	156	1060.00	2.67	16.88	-0.43	1.93	0.07	0.11
135	172	910.00	-1.22	23.27	-0.08	-29.03	-0.01	0.03
135	172	960.00	-1.22	23.27	-0.08	-25.55	-0.02	0.07
135	172	1010.00	-0.86	23.16	-8.00e-03	-17.88	-0.03	0.09
135	172	1060.00	2.83	19.53	-0.13	1.93	4.98e-03	0.08
135	177	910.00	-1.34	23.04	-0.38	-28.71	-0.09	-3.90e-03
135	177	960.00	-1.34	23.04	-0.38	-25.23	-0.09	0.03
135	177	1010.00	-0.99	23.04	0.04	-17.66	-0.17	0.04
135	177	1060.00	2.44	19.52	0.08	1.89	-0.03	0.03
135	188	910.00	-0.84	19.29	0.52	-23.00	0.13	0.08
135	188	960.00	-0.84	19.29	0.52	-19.52	0.13	0.09
135	188	1010.00	-0.60	19.46	-0.08	-13.45	0.24	0.12
135	188	1060.00	2.62	16.43	-0.43	1.92	0.07	0.11
135	204	910.00	-1.29	25.55	-0.09	-32.35	-0.02	0.03
135	204	960.00	-1.29	25.55	-0.09	-28.86	-0.02	0.08
135	204	1010.00	-0.88	25.26	-0.01	-20.29	-0.04	0.10
135	204	1060.00	3.03	21.25	-0.15	1.96	6.03e-03	0.09
135	209	910.00	-1.43	25.28	-0.44	-31.96	-0.10	-4.84e-03
135	209	960.00	-1.43	25.28	-0.44	-28.48	-0.10	0.04
135	209	1010.00	-1.03	25.12	0.04	-20.04	-0.20	0.04
135	209	1060.00	2.58	21.24	0.09	1.91	-0.04	0.04
135	224	910.00	-0.78	19.77	0.61	-23.51	0.16	0.09
135	224	960.00	-0.78	19.77	0.61	-20.03	0.15	0.10
135	224	1010.00	-0.53	19.91	-0.12	-13.81	0.29	0.14
135	224	1060.00	2.69	16.82	-0.46	1.93	0.08	0.13
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-1.43	6.97	-1.17	-32.35	-0.20	-4.84e-03
			3.03	25.55	1.67	2.62	0.84	0.50

18 VERIFICHE S.L. ELEMENTI IN LEGNO

18.1 LEGENDA TABELLA VERIFICHE S.L. ELEMENTI IN LEGNO

Il programma consente la verifica dei seguenti tipi di elementi:

1. Aste 2. Travi 3. Pilastri

L'esito delle verifiche è espresso con un codice come di seguito indicato:

ok: verifica con esito positivo

NV: verifica con esito negativo

Le verifiche sono condotte in ottemperanza alle NTC 17 Gennaio 2018, oppure seguendo le indicazioni analitiche riportate nella norma tecnica UNI EN 1995-1-1:2005 "Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici"; in particolare le verifiche effettuate sono riconducibili ai punti:

NTC 2018

- 4.4.8 Stati limite ultimi
- 4.4.8.1.7 Tensoflessione
- 4.4.8.1.8 Pressoflessione
- 4.4.8.1.11 Taglio e torsione
- 4.4.8.2.1 Elementi inflessi
- 4.4.8.2.2 Elementi compressi

EC5

- 2.2.2 Ultimate limit states
- 2.2.3 Serviceability limit states
- 2.4.1 Design value of material property
- 2.4.3 Design resistances
- 3.1.3 Strength modification (k_{mod})
- 3.1.4 Deformation modification (k_{def})
- 6. Ultimate limit states
- 6.2 Design of cross-sections subjected to combined stresses
- 6.3 Stability of members

Simbologia adottata nelle tabelle di verifica

Le verifiche effettuate ai sensi delle NTC 2018 sono dettagliatamente riportate come da tabella seguente:

Elem.	Numero dell'elemento
Tipo	Codice di individuazione del tipo di elemento: Trave (T), Pilastro (P), Asta (A)
Stato	Codice della verifica: ok verificato, NV non verificato
Note	Numero della sezione (s) e del materiale (m) dell'archivio
Ver N+/M	Verifica come da formule 4.4.6a e 4.4.6b per tensoflessione, con i valori di k_{m} definiti nel par. 4.4.8.1.6
Ver N-/M	Verifica come da formule 4.4.7a e 4.4.7b per pressoflessione, con i valori di k_{m} definiti nel par. 4.4.8.1.6
Ver V/T	Verifica come da formula 4.4.10 (taglio torsione) con interazione ottenuta per quadratura del termine di taglio
Ver N(s)	Verifica instabilità a compressione come da par. 4.4.8.2.2
Kcy(z)	Fattore di instabilità $K_{crit,c}$ utilizzato nella formula 4.4.13, in funzione della snellezza relativa
Ver M(s)	Verifica instabilità laterale come da par. 4.4.8.2.1, effettuata in entrambi i piani principali y e z
Kcrit (y)/(z)	Fattore di instabilità laterale utilizzato nella formula 4.4.11 rispettivamente per la flessione y e z
w _{net R}	Massima deformazione in combinazione rara (F frequente, P quasi permanente)
w _{net Ri}	Massima deformazione in combinazione rara (F frequente, P quasi permanente) valutata a tempo infinito
kdef	Fattore di deformazione dell'elemento
Rif. cmb	Numero della combinazione in cui si è attinto il valore riportato per le verifiche

Le verifiche effettuate ai sensi dell'EC5 sono dettagliatamente riportate come da tabella seguente:

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2556 DI 2790

10 ok	T,s=2,m=78	55.6	9.91e-03	3.77e-02	9.73e-03	188,52,51	4.05e-03	1.0	1.0	0,52
		0.0		0.2	0.7	0,52,52	4.06e-02	1.0	1.0	0,52
11 ok	T,s=2,m=78	55.6		2.60e-02	0.2	0,230,52	6.26e-03	1.0	1.0	0,52
		0.0	0.1	0.1	2.78e-02	235,227,52	1.54e-02	1.0	1.0	0,235
12 ok	T,s=2,m=78	53.6	0.1	0.1	6.85e-03	235,227,211	1.47e-02	1.0	1.0	0,207
		0.0	3.24e-02	2.77e-02	7.89e-02	235,232,235	1.07e-02	1.0	1.0	0,230
13 ok	T,s=2,m=78	55.7	0.1	0.1	0.2	235,227,52	1.54e-02	1.0	1.0	0,235
		0.0	1.88e-02	2.20e-02	4.58e-03	216,232,232	7.44e-03	1.0	1.0	0,230
14 ok	T,s=2,m=78	55.7	3.19e-02	2.76e-02	3.02e-02	235,232,52	7.37e-03	1.0	1.0	0,230
		0.0	5.75e-03	2.82e-03	3.10e-02	209,210,52	1.85e-03	1.0	1.0	0,230
15 ok	T,s=2,m=78	55.7	1.85e-02	2.20e-02	4.62e-03	216,232,235	2.32e-03	1.0	1.0	0,230
		0.0	1.17e-02	3.68e-02	9.80e-03	186,52,51	1.92e-03	1.0	1.0	0,52
16 ok	T,s=2,m=78	55.6	1.01e-02	1.04e-02	0.1	218,217,52	7.62e-04	1.0	1.0	0,217
		0.0	2.69e-02	2.61e-02	0.1	226,220,52	3.22e-03	1.0	1.0	0,225
17 ok	T,s=2,m=78	55.6	8.52e-03	3.68e-02	9.16e-03	198,52,51	3.82e-03	1.0	1.0	0,52
		0.0		0.2	0.8	0,52,52	4.19e-02	1.0	1.0	0,52
18 ok	T,s=2,m=78	55.6		2.65e-02	0.2	0,226,52	6.01e-03	1.0	1.0	0,52
		0.0		0.1	1.52e-02	0,52,229	1.47e-02	1.0	1.0	0,52
19 ok	T,s=2,m=78	49.6		0.1	7.90e-02	0,52,52	2.02e-02	1.0	1.0	0,52
		0.0		9.19e-02	2.38e-02	0,52,51	1.09e-02	1.0	1.0	0,52
20 ok	T,s=2,m=78	49.6		0.1	4.87e-02	0,52,52	1.26e-02	1.0	1.0	0,52
		0.0		9.32e-02	3.70e-02	0,52,52	1.04e-02	1.0	1.0	0,52
21 ok	T,s=2,m=78	49.6		9.19e-02	3.34e-02	0,52,51	1.01e-02	1.0	1.0	0,52
		0.0	4.57e-02	9.99e-02	4.53e-02	209,52,52	1.07e-02	1.0	1.0	0,52
22 ok	T,s=2,m=78	49.6	4.14e-02	9.32e-02	2.68e-02	205,52,51	9.45e-03	1.0	1.0	0,52
		0.0	1.95e-02	2.26e-02	2.98e-03	207,52,226	2.61e-03	1.0	1.0	0,213
23 ok	T,s=2,m=78	55.6	5.82e-03	3.86e-03	3.58e-02	218,217,52	2.28e-03	1.0	1.0	0,213
		0.0	2.17e-02	2.83e-02	1.93e-02	207,223,52	7.64e-03	1.0	1.0	0,213
24 ok	T,s=2,m=78	55.6	2.14e-02	2.26e-02	7.18e-03	207,52,51	7.95e-03	1.0	1.0	0,213
		0.0	8.44e-02	6.50e-02	0.1	220,228,52	1.16e-02	1.0	1.0	0,217
25 ok	T,s=2,m=78	55.6	2.25e-02	2.83e-02	3.38e-02	207,223,220	1.10e-02	1.0	1.0	0,213
		0.0	0.1	0.1	3.55e-02	226,188,226	1.52e-02	1.0	1.0	0,204
26 ok	T,s=2,m=78	59.6	8.42e-02	7.55e-02	1.82e-02	220,188,213	1.19e-02	1.0	1.0	0,213
		0.0	9.30e-02	9.07e-02	1.36e-02	226,220,223	8.33e-03	1.0	1.0	0,220
27 ok	T,s=2,m=78	59.6	0.1	0.1	2.36e-02	226,220,52	1.46e-02	1.0	1.0	0,220
		0.0	6.17e-02	6.02e-02	1.27e-02	226,220,223	4.06e-03	1.0	1.0	0,52
28 ok	T,s=2,m=78	59.6	9.17e-02	9.07e-02	2.45e-02	226,220,52	8.30e-03	1.0	1.0	0,220
		0.0	4.07e-02	3.54e-02	9.40e-03	226,52,223	3.57e-03	1.0	1.0	0,52
29 ok	T,s=2,m=78	59.6	6.21e-02	4.76e-02	2.07e-02	226,190,52	4.34e-03	1.0	1.0	0,52
		0.0	1.61e-02	4.67e-02	1.18e-02	179,52,52	1.12e-02	1.0	1.0	0,209
30 ok	T,s=2,m=78	53.6	1.55e-02	4.51e-02	9.12e-03	194,52,51	1.09e-02	1.0	1.0	0,209
		0.0	4.73e-02	5.75e-02	1.55e-02	223,233,52	1.27e-02	1.0	1.0	0,209
31 ok	T,s=2,m=78	53.6	3.27e-02	4.68e-02	9.68e-03	223,52,226	1.16e-02	1.0	1.0	0,209
		0.0	8.36e-02	8.15e-02	2.10e-02	225,233,225	1.36e-02	1.0	1.0	0,209
32 ok	T,s=2,m=78	53.6	5.70e-02	5.75e-02	1.13e-02	225,233,226	1.19e-02	1.0	1.0	0,204
		0.0	0.1	0.1	2.70e-02	225,233,52	1.67e-02	1.0	1.0	0,209
33 ok	T,s=2,m=78	53.6	8.51e-02	8.15e-02	1.06e-02	225,233,226	1.32e-02	1.0	1.0	0,209
		0.0	0.1	0.1	3.09e-02	225,233,52	1.61e-02	1.0	1.0	0,225
34 ok	T,s=2,m=78	53.6	0.1	0.1	6.27e-03	225,233,205	1.56e-02	1.0	1.0	0,209
		0.0	3.12e-02	2.46e-02	8.70e-02	225,233,225	1.12e-02	1.0	1.0	0,220
35 ok	T,s=2,m=78	55.7	0.1	0.1	0.2	225,233,52	1.61e-02	1.0	1.0	0,225
		0.0	1.81e-02	2.03e-02	3.92e-03	210,226,226	6.33e-03	1.0	1.0	0,220
36 ok	T,s=2,m=78	55.7	3.02e-02	2.46e-02	3.33e-02	225,233,52	6.35e-03	1.0	1.0	0,220
		0.0	5.95e-03	2.81e-03	3.19e-02	207,204,52	2.00e-03	1.0	1.0	0,220
37 ok	T,s=2,m=78	55.7	1.78e-02	2.03e-02	3.56e-03	214,226,225	2.27e-03	1.0	1.0	0,220
		0.0		6.22e-02	4.29e-02	0,52,52	7.87e-03	1.0	1.0	0,52
38 ok	T,s=2,m=78	53.6		6.09e-02	3.91e-02	0,52,51	7.71e-03	1.0	1.0	0,52
		0.0		7.13e-02	5.50e-02	0,52,52	8.46e-03	1.0	1.0	0,52
39 ok	T,s=2,m=78	53.6		6.22e-02	2.95e-02	0,52,51	7.26e-03	1.0	1.0	0,52
		0.0		9.01e-02	7.27e-02	0,52,52	1.27e-02	1.0	1.0	0,52
40 ok	T,s=2,m=78	53.6		7.13e-02	1.92e-02	0,52,51	9.62e-03	1.0	1.0	0,52
		0.0		0.1	0.1	0,52,52	2.01e-02	1.0	1.0	0,52
41 ok	T,s=2,m=78	53.6		9.01e-02	1.23e-02	0,52,222	1.27e-02	1.0	1.0	0,52
		0.0		0.2	0.2	0,52,52	4.56e-02	1.0	1.0	0,52
42 ok	T,s=2,m=78	53.6		0.1	1.47e-02	0,52,225	2.06e-02	1.0	1.0	0,52
		0.0	2.86e-02	2.49e-02	0.2	225,223,52	6.66e-03	1.0	1.0	0,226
43 ok	T,s=2,m=78	55.7	0.2	0.2	0.8	225,52,52	4.64e-02	1.0	1.0	0,52
		0.0	1.07e-02	3.72e-02	7.65e-03	213,52,51	3.75e-03	1.0	1.0	0,226
44 ok	T,s=2,m=78	55.7	2.90e-02	2.12e-02	0.1	225,226,52	3.58e-03	1.0	1.0	0,226
		0.0	7.15e-03	9.23e-03	0.1	209,204,52	6.58e-04	1.0	1.0	0,226
45 ok	T,s=2,m=78	55.7	1.14e-02	3.72e-02	9.69e-03	181,52,51	1.77e-03	1.0	1.0	0,52
		0.0		6.08e-02	4.34e-02	0,52,52	7.39e-03	1.0	1.0	0,52
46 ok	T,s=2,m=78	53.6		5.91e-02	3.86e-02	0,52,51	7.19e-03	1.0	1.0	0,52
		0.0		7.00e-02	5.52e-02	0,52,52	8.06e-03	1.0	1.0	0,52
		53.6		6.08e-02	2.92e-02	0,52,51	6.86e-03	1.0	1.0	0,52

47 ok	T,s=2,m=78	0.0	8.88e-02	7.24e-02	0,52,52	1.21e-02	1.0	1.0	0,52
		53.6	7.00e-02	1.90e-02	0,52,51	9.17e-03	1.0	1.0	0,52
48 ok	T,s=2,m=78	0.0	0.1	0.1	0,52,52	1.95e-02	1.0	1.0	0,52
		53.6	8.88e-02	1.25e-02	0,52,228	1.23e-02	1.0	1.0	0,52
49 ok	T,s=2,m=78	0.0	0.2	0.2	0,52,52	4.46e-02	1.0	1.0	0,52
		53.6	0.1	1.32e-02	0,52,231	2.01e-02	1.0	1.0	0,52
50 ok	T,s=2,m=78	0.0	2.68e-02	2.85e-02	0.2 235,233,52	6.60e-03	1.0	1.0	0,232
		55.7	0.2	0.2	0.8 235,52,52	4.54e-02	1.0	1.0	0,52
51 ok	T,s=2,m=78	0.0	1.62e-02	3.71e-02	7.97e-03 207,52,51	3.73e-03	1.0	1.0	0,232
		55.7	2.90e-02	2.24e-02	0.1 233,234,52	3.51e-03	1.0	1.0	0,232
52 ok	T,s=2,m=78	0.0	6.73e-03	8.63e-03	0.1 207,210,52	6.89e-04	1.0	1.0	0,224
		55.7	1.62e-02	3.71e-02	9.70e-03 207,52,51	1.74e-03	1.0	1.0	0,52
53 ok	T,s=2,m=78	0.0	3.11e-02	4.36e-02	1.11e-02 229,52,52	1.04e-02	1.0	1.0	0,207
		53.6	2.34e-02	4.29e-02	9.80e-03 233,52,51	1.00e-02	1.0	1.0	0,207
54 ok	T,s=2,m=78	0.0	4.66e-02	5.48e-02	1.45e-02 221,227,52	1.07e-02	1.0	1.0	0,210
		53.6	3.48e-02	4.36e-02	1.01e-02 221,52,232	1.04e-02	1.0	1.0	0,210
55 ok	T,s=2,m=78	0.0	8.12e-02	7.84e-02	2.05e-02 235,227,235	1.28e-02	1.0	1.0	0,207
		53.6	5.51e-02	5.48e-02	1.19e-02 235,227,232	1.13e-02	1.0	1.0	0,210
56 ok	T,s=2,m=78	0.0	0.1	0.1	2.51e-02 235,227,235	1.56e-02	1.0	1.0	0,207
		53.6	8.27e-02	7.85e-02	1.17e-02 235,227,232	1.24e-02	1.0	1.0	0,207
57 ok	T,s=2,m=78	0.0	0.1	1.27e-02	0,52,230	2.31e-02	1.0	1.0	0,52
		49.6	0.2	0.2	0,52,52	4.19e-02	1.0	1.0	0,52
58 ok	T,s=2,m=78	0.0	0.1	1.12e-02	0,52,222	2.43e-02	1.0	1.0	0,52
		49.6	0.2	0.2	0,52,52	4.31e-02	1.0	1.0	0,52
59 ok	T,s=2,m=78	0.0	0.1	1.57e-02	0,52,225	1.50e-02	1.0	1.0	0,52
		49.6	0.1	7.41e-02	0,52,52	2.03e-02	1.0	1.0	0,52
60 ok	T,s=2,m=78	0.0	6.31e-02	0.1	2.72e-02 21,52,51	1.12e-02	1.0	1.0	0,52
		49.6	6.92e-02	0.1	4.40e-02 21,52,52	1.25e-02	1.0	1.0	0,52
61 ok	T,s=2,m=78	0.0	3.37e-02	0.1	4.04e-02 19,52,52	1.21e-02	1.0	1.0	0,52
		49.6	3.55e-02	0.1	3.04e-02 19,52,51	1.14e-02	1.0	1.0	0,52
62 ok	T,s=2,m=78	0.0	8.51e-02	0.1	4.18e-02 18,52,52	1.29e-02	1.0	1.0	0,52
		49.6	8.28e-02	0.1	2.94e-02 18,52,51	1.19e-02	1.0	1.0	0,52
63 ok	T,s=3,m=78	0.0	6.92e-03	5.15e-03	8.60e-03 216,215,211	1.04e-03	1.0	1.0	0,211
		56.0	3.20e-02	3.95e-02	9.08e-03 208,219,211	2.49e-03	1.0	1.0	0,211
64 ok	T,s=3,m=78	0.0	3.60e-02	3.96e-02	1.40e-02 208,219,213	5.00e-03	1.0	1.0	0,211
		56.0	8.08e-02	8.67e-02	1.38e-02 216,219,214	1.08e-02	1.0	1.0	0,219
65 ok	T,s=3,m=78	0.0	8.11e-02	8.67e-02	9.55e-03 216,219,219	1.05e-02	1.0	1.0	0,219
		60.0	4.94e-02	4.38e-02	9.03e-03 216,219,219	5.07e-03	1.0	1.0	0,211
66 ok	T,s=3,m=78	0.0	3.65e-02	2.37e-02	3.78e-02 214,235,216	1.18e-03	1.0	1.0	0,219
		30.0	2.63e-02	1.80e-02	3.73e-02 216,225,219	6.15e-04	1.0	1.0	0,213
67 ok	T,s=3,m=78	0.0	2.64e-02	1.80e-02	3.27e-02 216,225,216	6.15e-04	1.0	1.0	0,213
		30.0	6.50e-02	4.01e-02	3.31e-02 216,225,219	4.02e-03	1.0	1.0	0,213
68 ok	T,s=3,m=78	0.0	6.51e-02	4.01e-02	8.78e-03 216,225,213	4.02e-03	1.0	1.0	0,213
		60.0	2.70e-02	1.74e-02	9.26e-03 216,225,213	7.37e-04	1.0	1.0	0,233
69 ok	T,s=3,m=78	0.0	0.1	0.1	1.61e-02 214,213,216	1.46e-02	1.0	1.0	0,213
		60.0	5.40e-02	5.50e-02	1.55e-02 214,213,216	6.13e-03	1.0	1.0	0,205
70 ok	T,s=3,m=78	0.0	5.34e-02	5.50e-02	1.73e-02 214,213,213	5.98e-03	1.0	1.0	0,213
		60.0	1.19e-02	9.14e-03	1.66e-02 215,235,213	4.36e-03	1.0	1.0	0,229
71 ok	T,s=3,m=78	0.0	1.19e-02	1.03e-02	1.00e-02 234,217,210	4.14e-03	1.0	1.0	0,233
		40.0	3.14e-02	2.33e-02	1.04e-02 218,207,210	4.18e-03	1.0	1.0	0,233
72 ok	T,s=3,m=78	0.0	2.41e-02	2.84e-02	1.51e-02 209,218,216	3.68e-03	1.0	1.0	0,231
		40.0	5.97e-02	6.05e-02	1.47e-02 216,219,216	6.42e-03	1.0	1.0	0,211
73 ok	T,s=3,m=78	0.0	6.00e-02	6.04e-02	1.25e-02 214,219,213	5.52e-03	1.0	1.0	0,211
		40.0	8.81e-02	8.71e-02	1.21e-02 216,219,213	9.47e-03	1.0	1.0	0,211
74 ok	T,s=3,m=78	0.0	8.89e-02	8.71e-02	1.17e-02 216,219,219	9.66e-03	1.0	1.0	0,211
		60.0	5.33e-02	4.37e-02	1.11e-02 216,219,219	4.08e-03	1.0	1.0	0,211
75 ok	T,s=3,m=78	0.0	3.85e-02	3.47e-02	4.37e-02 214,219,216	2.98e-03	1.0	1.0	0,231
		30.0	3.44e-02	1.91e-02	4.32e-02 208,225,216	2.74e-03	1.0	1.0	0,223
76 ok	T,s=3,m=78	0.0	3.00e-02	1.91e-02	3.77e-02 216,225,216	1.74e-03	1.0	1.0	0,223
		30.0	7.15e-02	4.73e-02	3.72e-02 216,219,216	4.59e-03	1.0	1.0	0,216
77 ok	T,s=3,m=78	0.0	7.12e-02	4.73e-02	1.02e-02 216,219,216	4.59e-03	1.0	1.0	0,216
		60.0	3.01e-02	1.84e-02	1.08e-02 216,225,216	1.78e-03	1.0	1.0	0,227
78 ok	T,s=3,m=78	0.0	0.1	0.1	1.90e-02 214,216,216	1.59e-02	1.0	1.0	0,205
		60.0	5.08e-02	5.89e-02	1.83e-02 214,213,216	6.22e-03	1.0	1.0	0,205
79 ok	T,s=3,m=78	0.0	5.05e-02	5.89e-02	1.96e-02 214,213,216	6.32e-03	1.0	1.0	0,205
		60.0	1.09e-02	8.75e-03	1.89e-02 218,227,216	4.54e-03	1.0	1.0	0,221
80 ok	T,s=3,m=78	0.0	1.17e-02	9.91e-03	1.01e-02 226,213,218	4.09e-03	1.0	1.0	0,223
		40.0	2.84e-02	2.27e-02	1.04e-02 214,213,218	4.05e-03	1.0	1.0	0,223
81 ok	T,s=3,m=78	0.0	2.72e-02	2.75e-02	1.42e-02 217,218,216	4.03e-03	1.0	1.0	0,207
		40.0	6.38e-02	5.73e-02	1.37e-02 216,219,216	6.45e-03	1.0	1.0	0,219
82 ok	T,s=3,m=78	0.0	6.28e-02	5.73e-02	1.08e-02 216,219,216	5.74e-03	1.0	1.0	0,211
		40.0	9.28e-02	8.26e-02	1.04e-02 216,219,216	9.18e-03	1.0	1.0	0,219
83 ok	T,s=3,m=78	0.0	0.1	8.27e-02	1.06e-02 216,219,219	1.69e-02	1.0	1.0	0,219
		60.0	6.50e-02	4.11e-02	1.01e-02 216,219,219	1.18e-02	1.0	1.0	0,219
84 ok	T,s=3,m=78	0.0	3.75e-02	4.32e-02	214,0,216	1.17e-03	1.0	1.0	0,219

		30.0	3.21e-02		4.26e-02	217,0,216		7.16e-04	1.0	1.0	0,217
85 ok	T,s=3,m=78	0.0	3.04e-02	1.21e-02	3.73e-02	217,231,216		1.06e-03	1.0	1.0	0,215
		30.0	7.42e-02	4.33e-02	3.68e-02	216,219,216		4.77e-03	1.0	1.0	0,216
86 ok	T,s=3,m=78	0.0	8.79e-02	4.34e-02	8.36e-03	216,219,216		1.04e-02	1.0	1.0	0,219
		60.0	4.67e-02	1.20e-02	8.87e-03	216,219,216		8.73e-03	1.0	1.0	0,219
87 ok	T,s=3,m=78	0.0	9.41e-02	0.1	2.11e-02	214,213,216		1.65e-02	1.0	1.0	0,213
		56.0	4.41e-02	5.50e-02	2.04e-02	214,213,216		6.71e-03	1.0	1.0	0,205
88 ok	T,s=3,m=78	0.0	4.02e-02	5.49e-02	1.77e-02	214,213,216		4.06e-03	1.0	1.0	0,208
		56.0	6.70e-03	5.39e-03	1.70e-02	214,217,216		1.20e-03	1.0	1.0	0,205
89 ok	T,s=3,m=78	0.0	8.11e-03	4.33e-03	1.58e-02	209,221,207		1.30e-03	1.0	1.0	0,207
		56.0	4.33e-02	5.28e-02	1.64e-02	209,210,207		3.93e-03	1.0	1.0	0,207
90 ok	T,s=3,m=78	0.0	4.58e-02	5.29e-02	1.75e-02	204,210,210		6.66e-03	1.0	1.0	0,207
		56.0	9.35e-02	0.1	1.82e-02	204,210,210		1.50e-02	1.0	1.0	0,207
91 ok	T,s=3,m=78	0.0	0.1	0.1	1.61e-02	209,210,207		2.36e-02	1.0	1.0	0,210
		60.0	6.18e-02	5.11e-02	1.55e-02	209,210,207		1.52e-02	1.0	1.0	0,210
92 ok	T,s=3,m=78	0.0	6.75e-02	2.61e-02	3.26e-02	210,220,210		3.92e-03	1.0	1.0	0,210
		30.0	2.79e-02	9.13e-04	3.31e-02	207,220,210		5.34e-04	1.0	1.0	0,210
93 ok	T,s=3,m=78	0.0	2.72e-02		3.72e-02	207,0,210		5.34e-04	1.0	1.0	0,210
		30.0	3.76e-02		3.77e-02	209,0,210		1.29e-03	1.0	1.0	0,209
94 ok	T,s=3,m=78	0.0	4.78e-02	1.99e-02	4.80e-03	209,207,209		6.21e-03	1.0	1.0	0,210
		60.0	2.41e-02	1.20e-02	5.08e-03	209,228,209		5.85e-03	1.0	1.0	0,210
95 ok	T,s=3,m=78	0.0	8.22e-02	8.11e-02	1.02e-02	207,209,204		9.35e-03	1.0	1.0	0,204
		40.0	5.35e-02	5.63e-02	9.93e-03	207,209,207		5.93e-03	1.0	1.0	0,204
96 ok	T,s=3,m=78	0.0	5.32e-02	5.63e-02	1.27e-02	207,209,209		5.63e-03	1.0	1.0	0,204
		40.0	2.47e-02	2.70e-02	1.23e-02	229,209,209		3.78e-03	1.0	1.0	0,220
97 ok	T,s=3,m=78	0.0	2.90e-02	2.07e-02	1.05e-02	209,210,209		4.44e-03	1.0	1.0	0,230
		40.0	1.15e-02	1.34e-02	1.02e-02	229,230,209		4.39e-03	1.0	1.0	0,230
98 ok	T,s=3,m=78	0.0	1.10e-02	9.27e-03	1.44e-02	209,220,207		5.98e-03	1.0	1.0	0,230
		40.0	3.19e-02	3.42e-02	1.46e-02	209,207,207		6.53e-03	1.0	1.0	0,230
99 ok	T,s=3,m=78	0.0	3.57e-02	3.42e-02	2.06e-02	209,207,209		7.52e-03	1.0	1.0	0,230
		40.0	7.62e-02	7.34e-02	2.01e-02	209,207,209		1.16e-02	1.0	1.0	0,210
100 ok	T,s=3,m=78	0.0	7.72e-02	7.34e-02	1.38e-02	209,207,209		1.26e-02	1.0	1.0	0,210
		40.0	0.1	0.1	1.34e-02	209,210,209		1.79e-02	1.0	1.0	0,210
101 ok	T,s=3,m=78	0.0	0.1	0.1	1.64e-02	209,210,207		2.51e-02	1.0	1.0	0,210
		60.0	7.28e-02	5.03e-02	1.58e-02	209,210,207		1.69e-02	1.0	1.0	0,210
102 ok	T,s=3,m=78	0.0	6.66e-02	4.78e-02	3.63e-02	207,204,209		3.85e-03	1.0	1.0	0,207
		30.0	2.77e-02	1.91e-02	3.58e-02	207,230,209		2.73e-03	1.0	1.0	0,220
103 ok	T,s=3,m=78	0.0	2.74e-02	1.91e-02	4.04e-02	207,230,209		2.48e-03	1.0	1.0	0,220
		30.0	3.90e-02	3.69e-02	3.98e-02	209,204,209		3.26e-03	1.0	1.0	0,220
104 ok	T,s=3,m=78	0.0	4.95e-02	1.94e-02	4.08e-03	209,210,209		6.02e-03	1.0	1.0	0,210
		60.0	2.56e-02	8.64e-03	4.38e-03	209,226,209		5.66e-03	1.0	1.0	0,210
105 ok	T,s=3,m=78	0.0	8.26e-02	8.95e-02	1.09e-02	207,209,204		1.38e-02	1.0	1.0	0,204
		40.0	5.50e-02	6.17e-02	1.06e-02	207,209,204		9.60e-03	1.0	1.0	0,204
106 ok	T,s=3,m=78	0.0	5.45e-02	6.17e-02	1.41e-02	207,209,209		8.92e-03	1.0	1.0	0,204
		40.0	2.50e-02	2.90e-02	1.37e-02	229,209,209		6.28e-03	1.0	1.0	0,220
107 ok	T,s=3,m=78	0.0	2.65e-02	2.90e-02	1.10e-02	229,209,209		5.28e-03	1.0	1.0	0,220
		40.0	9.67e-03	8.95e-03	1.07e-02	207,230,209		5.29e-03	1.0	1.0	0,220
108 ok	T,s=3,m=78	0.0	1.15e-02	1.39e-02	1.30e-02	223,220,207		3.87e-03	1.0	1.0	0,220
		40.0	3.34e-02	3.07e-02	1.34e-02	207,210,207		4.09e-03	1.0	1.0	0,220
109 ok	T,s=3,m=78	0.0	3.44e-02	3.16e-02	2.02e-02	209,207,209		4.73e-03	1.0	1.0	0,230
		40.0	7.46e-02	6.70e-02	1.97e-02	209,207,209		7.79e-03	1.0	1.0	0,210
110 ok	T,s=3,m=78	0.0	7.52e-02	6.70e-02	1.31e-02	209,207,209		8.34e-03	1.0	1.0	0,210
		40.0	0.1	9.40e-02	1.27e-02	209,210,209		1.27e-02	1.0	1.0	0,210
111 ok	T,s=3,m=78	0.0	0.1	9.41e-02	1.50e-02	209,210,207		2.00e-02	1.0	1.0	0,210
		60.0	7.22e-02	4.45e-02	1.44e-02	209,210,207		1.33e-02	1.0	1.0	0,210
112 ok	T,s=3,m=78	0.0	6.10e-02	4.83e-02	3.59e-02	207,204,204		3.23e-03	1.0	1.0	0,207
		30.0	2.54e-02	7.25e-03	3.54e-02	207,204,204		4.53e-04	1.0	1.0	0,207
113 ok	T,s=3,m=78	0.0	2.49e-02		3.99e-02	207,0,204		4.53e-04	1.0	1.0	0,207
		30.0	3.85e-02		3.94e-02	209,0,204		1.34e-03	1.0	1.0	0,209
114 ok	T,s=3,m=78	0.0	4.98e-02	1.78e-02	3.80e-03	204,207,210		4.59e-03	1.0	1.0	0,210
		60.0	2.52e-02	8.62e-03	3.63e-03	204,234,209		4.31e-03	1.0	1.0	0,210
115 ok	T,s=3,m=78	0.0	7.18e-02	9.08e-02	1.49e-02	210,209,204		1.20e-02	1.0	1.0	0,209
		56.0	3.32e-02	4.32e-02	1.43e-02	210,209,204		5.69e-03	1.0	1.0	0,209
116 ok	T,s=3,m=78	0.0	3.09e-02	4.32e-02	1.13e-02	210,209,209		2.85e-03	1.0	1.0	0,209
		56.0	7.41e-03	4.64e-03	1.07e-02	207,223,209		1.09e-03	1.0	1.0	0,209
117 ok	T,s=2,m=78	0.0	3.49e-02	5.22e-02	0.1	204,219,52		1.57e-02	1.0	1.0	0,207
		51.4	3.84e-02	3.70e-02	3.64e-02	216,52,52		1.43e-02	1.0	1.0	0,207
118 ok	T,s=2,m=78	0.0	2.84e-02	3.70e-02	4.11e-02	212,52,52		1.09e-02	1.0	1.0	0,230
		51.4	4.75e-02	6.46e-02	4.52e-03	44,52,207		1.19e-02	1.0	1.0	0,230
119 ok	T,s=2,m=78	0.0	3.83e-02	6.46e-02	1.24e-02	48,52,52		1.26e-02	1.0	1.0	0,230
		51.4	3.97e-02	6.79e-02	7.70e-03	48,52,51		1.36e-02	1.0	1.0	0,230
120 ok	T,s=2,m=78	0.0	4.99e-02	6.79e-02	7.22e-03	44,52,210		1.72e-02	1.0	1.0	0,230
		51.4	3.69e-02	6.21e-02	3.12e-02	229,230,52		1.81e-02	1.0	1.0	0,230
121 ok	T,s=2,m=78	0.0	4.52e-02	6.24e-02	3.62e-02	229,230,232		2.64e-02	1.0	1.0	0,230
		51.4	6.41e-02	4.00e-02	0.1	209,228,52		2.27e-02	1.0	1.0	0,230

122 ok	T,s=2,m=78	0.0	5.20e-02	9.32e-02	0.6	204,52,52	1.08e-02	1.0	1.0	0,52
		51.5	3.23e-02	5.47e-02	0.1	228,52,52	5.05e-03	1.0	1.0	0,52
123 ok	T,s=2,m=78	0.0	5.52e-02	4.30e-02	0.1	52,18,52	2.99e-03	1.0	1.0	0,52
		51.5	0.1	7.94e-02	3.17e-03	52,18,210	1.05e-02	1.0	1.0	0,52
124 ok	T,s=2,m=78	0.0	0.1	8.34e-02	3.43e-02	52,11,52	1.05e-02	1.0	1.0	0,52
		51.5	0.1	8.17e-02	4.21e-02	52,11,52	9.98e-03	1.0	1.0	0,52
125 ok	T,s=2,m=78	0.0	8.81e-02	9.99e-02	2.99e-03	28,52,204	1.01e-02	1.0	1.0	0,52
		51.5	4.62e-02	5.30e-02	0.1	28,52,52	4.87e-03	1.0	1.0	0,232
126 ok	T,s=2,m=78	0.0	2.96e-02	5.30e-02	7.17e-02	229,52,52	9.99e-03	1.0	1.0	0,232
		51.0	3.75e-02	7.02e-02	0.4	207,52,52	1.03e-02	1.0	1.0	0,232
127 ok	T,s=2,m=78	0.0	4.00e-02	9.67e-02	0.6	174,52,52	1.17e-02	1.0	1.0	0,52
		51.4	3.30e-02	5.51e-02	0.1	222,52,52	5.45e-03	1.0	1.0	0,52
128 ok	T,s=2,m=78	0.0	5.52e-02	4.80e-02	0.1	52,28,52	3.03e-03	1.0	1.0	0,52
		51.4	0.1	9.32e-02	3.86e-03	52,28,213	1.12e-02	1.0	1.0	0,52
129 ok	T,s=2,m=78	0.0	0.1	9.48e-02	3.85e-02	52,4,52	1.12e-02	1.0	1.0	0,52
		51.4	0.1	9.50e-02	3.85e-02	52,4,51	1.12e-02	1.0	1.0	0,52
130 ok	T,s=2,m=78	0.0	5.52e-02	0.1	4.48e-03	209,52,216	1.15e-02	1.0	1.0	0,52
		51.4	4.01e-02	6.14e-02	0.1	209,52,52	4.93e-03	1.0	1.0	0,220
131 ok	T,s=2,m=78	0.0	4.16e-02	6.14e-02	7.50e-02	209,52,52	1.02e-02	1.0	1.0	0,226
		51.4	3.34e-02	6.44e-02	0.4	231,52,52	1.02e-02	1.0	1.0	0,226
132 ok	T,s=2,m=78	0.0	3.60e-02	5.53e-02	0.2	210,209,52	1.62e-02	1.0	1.0	0,209
		51.4	3.29e-02	3.69e-02	3.82e-02	222,52,52	1.45e-02	1.0	1.0	0,209
133 ok	T,s=2,m=78	0.0	1.91e-02	3.69e-02	4.24e-02	210,52,52	1.03e-02	1.0	1.0	0,220
		51.4	2.83e-02	6.50e-02	5.58e-03	214,52,209	1.14e-02	1.0	1.0	0,220
134 ok	T,s=2,m=78	0.0	3.86e-02	6.50e-02	1.30e-02	48,52,52	1.57e-02	1.0	1.0	0,220
		51.4	4.06e-02	6.91e-02	9.08e-03	48,52,207	1.68e-02	1.0	1.0	0,220
135 ok	T,s=2,m=78	0.0	5.05e-02	6.91e-02	8.52e-03	44,52,204	1.70e-02	1.0	1.0	0,220
		51.4	3.65e-02	6.73e-02	3.05e-02	223,204,52	1.80e-02	1.0	1.0	0,220
136 ok	T,s=2,m=78	0.0	4.42e-02	6.74e-02	3.46e-02	223,204,226	2.55e-02	1.0	1.0	0,220
		51.4	6.70e-02	4.93e-02	0.1	207,182,52	2.17e-02	1.0	1.0	0,224
137 ok	T,s=2,m=78	0.0		1.56e-02	8.35e-03	0,229,43	1.17e-03	1.0	1.0	0,52
		55.6		4.64e-03	2.00e-02	0,230,52	1.01e-03	1.0	1.0	0,52
138 ok	T,s=2,m=78	0.0	1.55e-02	2.66e-02	1.74e-02	227,229,52	1.43e-03	1.0	1.0	0,212
		55.6	1.11e-02	1.57e-02	7.94e-03	227,229,235	1.47e-03	1.0	1.0	0,212
139 ok	T,s=2,m=78	0.0	3.01e-02	4.76e-02	2.79e-02	210,230,52	2.88e-03	1.0	1.0	0,230
		55.6	1.56e-02	2.66e-02	6.69e-03	227,229,229	1.49e-03	1.0	1.0	0,212
140 ok	T,s=2,m=78	0.0	4.34e-02	6.38e-02	2.52e-02	210,230,52	4.53e-03	1.0	1.0	0,230
		59.6	3.06e-02	4.76e-02	5.96e-03	210,230,235	2.78e-03	1.0	1.0	0,232
141 ok	T,s=2,m=78	0.0	4.13e-02	5.65e-02	1.32e-02	218,234,52	3.56e-03	1.0	1.0	0,232
		59.6	4.45e-02	6.38e-02	1.26e-02	210,230,51	4.29e-03	1.0	1.0	0,230
142 ok	T,s=2,m=78	0.0	2.31e-02	3.22e-02	9.91e-03	210,232,229	1.81e-03	1.0	1.0	0,232
		59.6	4.00e-02	5.65e-02	2.13e-02	218,234,52	3.46e-03	1.0	1.0	0,230
143 ok	T,s=2,m=78	0.0	3.33e-03	1.27e-03	1.23e-02	215,212,235	1.82e-03	1.0	1.0	0,212
		59.6	2.39e-02	3.21e-02	2.73e-02	210,232,52	2.26e-03	1.0	1.0	0,212
144 ok	T,s=2,m=78	0.0		1.84e-02	3.18e-02	0,229,51	1.56e-03	1.0	1.0	0,52
		55.6		6.59e-03	5.88e-02	0,44,52	1.37e-03	1.0	1.0	0,52
145 ok	T,s=2,m=78	0.0		3.37e-02	8.41e-02	0,234,52	2.17e-03	1.0	1.0	0,230
		55.6		1.83e-02	1.79e-02	0,229,51	1.86e-03	1.0	1.0	0,52
146 ok	T,s=2,m=78	0.0		6.66e-02	0.1	0,232,52	5.35e-03	1.0	1.0	0,230
		55.6		3.37e-02	7.39e-03	0,234,231	2.09e-03	1.0	1.0	0,230
147 ok	T,s=2,m=78	0.0	6.03e-02	4.89e-03	6.45e-03	235,177,51	3.55e-03	1.0	1.0	0,235
		53.6	6.91e-02	8.23e-03	2.15e-02	235,177,52	4.63e-03	1.0	1.0	0,235
148 ok	T,s=2,m=78	0.0	3.48e-02		7.99e-03	235,0,230	1.15e-03	1.0	1.0	0,235
		55.7	6.05e-02		3.41e-02	235,0,52	3.55e-03	1.0	1.0	0,235
149 ok	T,s=2,m=78	0.0	1.94e-02	6.53e-03	1.03e-02	232,205,230	3.24e-04	1.0	1.0	0,232
		55.7	3.46e-02	3.75e-03	2.38e-02	235,205,52	1.15e-03	1.0	1.0	0,235
150 ok	T,s=2,m=78	0.0	3.61e-03		1.69e-02	223,0,52	7.67e-06	1.0	1.0	0,223
		55.7	1.85e-02		1.08e-02	232,0,223	3.24e-04	1.0	1.0	0,232
151 ok	T,s=2,m=78	0.0		1.87e-02	3.27e-02	0,225,51	1.62e-03	1.0	1.0	0,52
		55.6		6.50e-03	5.84e-02	0,44,52	1.45e-03	1.0	1.0	0,51
152 ok	T,s=2,m=78	0.0		3.41e-02	8.70e-02	0,226,52	2.18e-03	1.0	1.0	0,220
		55.6		1.88e-02	1.71e-02	0,225,51	1.84e-03	1.0	1.0	0,52
153 ok	T,s=2,m=78	0.0		6.64e-02	0.1	0,226,52	5.29e-03	1.0	1.0	0,226
		55.6		3.41e-02	7.13e-03	0,226,221	2.06e-03	1.0	1.0	0,226
154 ok	T,s=2,m=78	0.0	7.64e-03	6.50e-02	3.23e-02	229,232,51	4.57e-03	1.0	1.0	0,230
		49.6	1.50e-02	7.52e-02	3.87e-02	229,232,52	5.96e-03	1.0	1.0	0,230
155 ok	T,s=2,m=78	0.0	2.11e-02	5.02e-02	2.09e-02	205,52,51	2.60e-03	1.0	1.0	0,52
		49.6	2.52e-02	6.50e-02	5.44e-02	217,232,52	4.42e-03	1.0	1.0	0,232
156 ok	T,s=2,m=78	0.0	2.98e-02	2.48e-02	1.23e-02	52,232,51	8.57e-04	1.0	1.0	0,52
		49.6	5.07e-02	4.70e-02	7.18e-02	52,232,52	2.52e-03	1.0	1.0	0,52
157 ok	T,s=2,m=78	0.0	2.06e-03	7.21e-04	6.51e-03	217,234,235	1.76e-04	1.0	1.0	0,19
		49.6	3.05e-02	2.47e-02	8.99e-02	52,232,52	8.57e-04	1.0	1.0	0,52
158 ok	T,s=2,m=78	0.0	5.73e-03	1.87e-02	1.00e-02	213,223,208	9.90e-04	1.0	1.0	0,52
		55.6	1.93e-03	2.46e-03	2.49e-02	216,204,52	8.74e-04	1.0	1.0	0,219
159 ok	T,s=2,m=78	0.0	2.48e-02	2.89e-02	2.03e-02	225,223,52	1.68e-03	1.0	1.0	0,218

160 ok	T,s=2,m=78	55.6	1.69e-02	1.87e-02	1.20e-02	225,223,225	1.69e-03	1.0	1.0	0,218
		0.0	3.22e-02	4.86e-02	3.03e-02	204,220,52	2.88e-03	1.0	1.0	0,226
		55.6	2.50e-02	2.89e-02	9.89e-03	225,223,225	1.82e-03	1.0	1.0	0,218
161 ok	T,s=2,m=78	0.0	4.41e-02	6.39e-02	2.68e-02	204,220,52	4.30e-03	1.0	1.0	0,220
		59.6	3.31e-02	4.86e-02	9.04e-03	204,220,213	2.98e-03	1.0	1.0	0,226
162 ok	T,s=2,m=78	0.0	3.96e-02	5.64e-02	1.44e-02	212,224,52	3.53e-03	1.0	1.0	0,220
		59.6	4.29e-02	6.39e-02	1.39e-02	204,220,52	4.45e-03	1.0	1.0	0,220
163 ok	T,s=2,m=78	0.0	2.49e-02	3.31e-02	1.01e-02	204,226,223	2.29e-03	1.0	1.0	0,214
		59.6	4.05e-02	5.64e-02	2.15e-02	212,224,52	3.32e-03	1.0	1.0	0,220
164 ok	T,s=2,m=78	0.0	3.81e-03	9.39e-05	1.21e-02	217,214,225	2.68e-03	1.0	1.0	0,218
		59.6	3.19e-02	3.31e-02	2.69e-02	220,226,52	3.11e-03	1.0	1.0	0,218
165 ok	T,s=2,m=78	0.0	2.40e-02	2.23e-02	2.71e-02	209,225,52	1.58e-03	1.0	1.0	0,223
		53.6	3.37e-03	4.11e-04	4.64e-03	204,207,226	1.47e-03	1.0	1.0	0,207
166 ok	T,s=2,m=78	0.0	4.31e-02	4.34e-02	2.28e-02	233,225,52	2.06e-03	1.0	1.0	0,225
		53.6	2.32e-02	2.23e-02	6.70e-03	209,225,226	9.75e-04	1.0	1.0	0,223
167 ok	T,s=2,m=78	0.0	6.15e-02	4.81e-02	1.78e-02	225,223,52	3.75e-03	1.0	1.0	0,225
		53.6	4.35e-02	3.37e-02	7.48e-03	225,223,226	1.87e-03	1.0	1.0	0,225
168 ok	T,s=2,m=78	0.0	7.09e-02	5.62e-02	1.21e-02	225,223,52	4.94e-03	1.0	1.0	0,225
		53.6	6.16e-02	4.81e-02	9.48e-03	225,223,51	3.75e-03	1.0	1.0	0,225
169 ok	T,s=2,m=78	0.0	6.15e-02	8.18e-03	4.57e-03	225,175,51	3.72e-03	1.0	1.0	0,225
		53.6	7.13e-02	1.13e-02	2.02e-02	225,175,52	4.94e-03	1.0	1.0	0,225
170 ok	T,s=2,m=78	0.0	3.41e-02	2.04e-04	5.61e-03	225,207,222	1.11e-03	1.0	1.0	0,225
		55.7	6.17e-02	7.00e-03	3.37e-02	225,207,52	3.72e-03	1.0	1.0	0,225
171 ok	T,s=2,m=78	0.0	1.47e-02		8.66e-03	226,0,226	1.81e-04	1.0	1.0	0,226
		55.7	3.40e-02		2.45e-02	225,0,52	1.11e-03	1.0	1.0	0,225
172 ok	T,s=2,m=78	0.0	6.07e-03		1.42e-02	209,0,52	1.89e-05	1.0	1.0	0,209
		55.7	1.41e-02		1.02e-02	226,0,52	1.81e-04	1.0	1.0	0,226
173 ok	T,s=2,m=78	0.0	2.43e-02	1.95e-02	8.27e-02	52,3,52	5.70e-04	1.0	1.0	0,52
		53.6	9.14e-04	4.25e-04	1.47e-02	209,210,51	3.05e-04	1.0	1.0	0,19
174 ok	T,s=2,m=78	0.0	4.53e-02	2.03e-02	7.53e-02	52,46,52	2.02e-03	1.0	1.0	0,225
		53.6	2.51e-02	1.06e-02	1.79e-02	52,46,51	5.70e-04	1.0	1.0	0,52
175 ok	T,s=2,m=78	0.0	6.49e-02		6.48e-02	225,0,52	4.16e-03	1.0	1.0	0,225
		53.6	4.54e-02		2.31e-02	225,0,51	2.02e-03	1.0	1.0	0,225
176 ok	T,s=2,m=78	0.0	7.78e-02		5.11e-02	225,0,52	5.91e-03	1.0	1.0	0,225
		53.6	6.53e-02		3.23e-02	225,0,51	4.16e-03	1.0	1.0	0,225
177 ok	T,s=2,m=78	0.0	7.06e-02		2.39e-02	225,0,51	4.78e-03	1.0	1.0	0,225
		53.6	7.84e-02		6.40e-02	225,0,52	5.91e-03	1.0	1.0	0,225
178 ok	T,s=2,m=78	0.0	3.74e-02		8.13e-03	225,0,220	1.28e-03	1.0	1.0	0,225
		55.7	7.09e-02		0.1	225,0,52	4.78e-03	1.0	1.0	0,225
179 ok	T,s=2,m=78	0.0	1.91e-02		1.71e-02	230,0,51	3.05e-04	1.0	1.0	0,230
		55.7	3.69e-02		8.65e-02	225,0,52	1.28e-03	1.0	1.0	0,225
180 ok	T,s=2,m=78	0.0	7.20e-03		5.63e-02	18,0,52	3.19e-05	1.0	1.0	0,18
		55.7	1.83e-02		3.44e-02	230,0,51	3.05e-04	1.0	1.0	0,230
181 ok	T,s=2,m=78	0.0	2.37e-02	2.28e-02	8.16e-02	52,235,52	5.69e-04	1.0	1.0	0,235
		53.6	7.25e-04	2.97e-04	1.52e-02	230,229,51	2.66e-04	1.0	1.0	0,45
182 ok	T,s=2,m=78	0.0	4.46e-02	2.88e-02	7.48e-02	235,47,52	1.97e-03	1.0	1.0	0,235
		53.6	2.43e-02	1.54e-02	1.85e-02	52,47,51	5.44e-04	1.0	1.0	0,52
183 ok	T,s=2,m=78	0.0	6.41e-02		6.47e-02	235,0,52	4.06e-03	1.0	1.0	0,235
		53.6	4.48e-02		2.38e-02	235,0,51	1.97e-03	1.0	1.0	0,235
184 ok	T,s=2,m=78	0.0	7.68e-02		5.12e-02	235,0,52	5.79e-03	1.0	1.0	0,235
		53.6	6.44e-02		3.28e-02	235,0,51	4.06e-03	1.0	1.0	0,235
185 ok	T,s=2,m=78	0.0	7.00e-02		2.43e-02	235,0,51	4.71e-03	1.0	1.0	0,235
		53.6	7.74e-02		6.43e-02	235,0,52	5.79e-03	1.0	1.0	0,235
186 ok	T,s=2,m=78	0.0	3.77e-02		7.40e-03	235,0,232	1.31e-03	1.0	1.0	0,235
		55.7	7.02e-02		0.1	235,0,52	4.71e-03	1.0	1.0	0,235
187 ok	T,s=2,m=78	0.0	2.10e-02		1.72e-02	230,0,51	3.70e-04	1.0	1.0	0,230
		55.7	3.72e-02		8.58e-02	235,0,52	1.31e-03	1.0	1.0	0,235
188 ok	T,s=2,m=78	0.0	6.92e-03		5.72e-02	18,0,52	3.25e-05	1.0	1.0	0,18
		55.7	2.02e-02		3.31e-02	230,0,51	3.70e-04	1.0	1.0	0,230
189 ok	T,s=2,m=78	0.0	2.29e-02	1.08e-02	2.53e-02	207,18,52	1.91e-03	1.0	1.0	0,204
		53.6	3.22e-03	5.94e-04	4.97e-03	207,209,232	1.89e-03	1.0	1.0	0,204
190 ok	T,s=2,m=78	0.0	4.14e-02	4.16e-02	2.17e-02	227,235,52	1.74e-03	1.0	1.0	0,235
		53.6	2.20e-02	2.11e-02	6.92e-03	207,235,232	8.28e-04	1.0	1.0	0,229
191 ok	T,s=2,m=78	0.0	5.94e-02	4.57e-02	1.73e-02	235,229,52	3.48e-03	1.0	1.0	0,235
		53.6	4.18e-02	3.19e-02	7.77e-03	235,229,232	1.72e-03	1.0	1.0	0,235
192 ok	T,s=2,m=78	0.0	6.88e-02	5.36e-02	1.25e-02	235,229,52	4.63e-03	1.0	1.0	0,235
		53.6	5.96e-02	4.57e-02	1.09e-02	235,229,51	3.48e-03	1.0	1.0	0,235
193 ok	T,s=2,m=78	0.0	1.54e-02	7.52e-02	6.30e-02	235,232,52	6.15e-03	1.0	1.0	0,232
		49.6	2.11e-02	6.65e-02	1.67e-02	235,232,51	4.96e-03	1.0	1.0	0,232
194 ok	T,s=2,m=78	0.0	1.08e-02	7.42e-02	6.62e-02	227,224,52	5.95e-03	1.0	1.0	0,224
		49.6	1.81e-02	6.63e-02	1.61e-02	223,226,51	4.83e-03	1.0	1.0	0,220
195 ok	T,s=2,m=78	0.0	2.81e-02	6.75e-02	3.40e-02	177,52,52	4.76e-03	1.0	1.0	0,52
		49.6	2.86e-02	7.42e-02	3.78e-02	185,224,51	5.75e-03	1.0	1.0	0,224
196 ok	T,s=2,m=78	0.0	5.58e-02	5.33e-02	2.13e-02	52,51,51	3.11e-03	1.0	1.0	0,52
		49.6	6.76e-02	6.46e-02	5.46e-02	52,51,52	4.56e-03	1.0	1.0	0,52

197 ok	T,s=2,m=78	0.0	3.42e-02	2.42e-02	1.13e-02	52,226,51				1.10e-03	1.0	1.0	0,52
		49.6	5.67e-02	4.41e-02	7.53e-02	52,226,52				3.11e-03	1.0	1.0	0,52
198 ok	T,s=2,m=78	0.0	1.06e-03	7.14e-05	4.28e-03	215,209,51				1.83e-04	1.0	1.0	0,212
		49.6	3.42e-02	2.37e-02	9.92e-02	52,220,52				1.10e-03	1.0	1.0	0,52
199 ok	T,s=3,m=78	0.0	2.59e-03	2.99e-03	5.33e-02	230,229,44				1.22e-03	1.0	1.0	0,217
		56.0	1.03e-02	7.23e-03	5.32e-02	214,49,44				1.22e-03	1.0	1.0	0,217
200 ok	T,s=3,m=78	0.0	1.01e-02	8.30e-03	2.25e-02	206,187,44				1.54e-03	1.0	1.0	0,229
		56.0	5.04e-03	6.03e-03	2.26e-02	228,205,44				1.53e-03	1.0	1.0	0,229
201 ok	T,s=3,m=78	0.0	7.28e-03	1.55e-02	3.08e-03	220,219,214				6.05e-03	1.0	1.0	0,211
		60.0	2.43e-02	3.34e-02	3.14e-03	216,214,213				6.87e-03	1.0	1.0	0,211
202 ok	T,s=3,m=78	0.0	7.51e-03	7.86e-03	3.00e-02	222,219,44				2.56e-03	1.0	1.0	0,227
		30.0	7.24e-03	5.42e-03	3.00e-02	216,49,44				2.56e-03	1.0	1.0	0,227
203 ok	T,s=3,m=78	0.0	4.62e-03	5.43e-03	5.97e-03	234,49,45				2.56e-03	1.0	1.0	0,217
		30.0	1.14e-02	1.29e-02	5.97e-03	214,213,45				2.65e-03	1.0	1.0	0,217
204 ok	T,s=3,m=78	0.0	2.97e-02	3.54e-02	4.42e-03	214,213,214				5.28e-03	1.0	1.0	0,205
		60.0	8.63e-03	1.43e-02	4.13e-03	230,213,214				4.29e-03	1.0	1.0	0,209
205 ok	T,s=3,m=78	0.0	0.2	0.1	7.79e-02	216,219,216				2.19e-02	1.0	1.0	0,216
		60.0	2.91e-02	3.35e-02	7.64e-02	217,218,216				2.56e-03	1.0	1.0	0,211
206 ok	T,s=3,m=78	0.0	3.37e-02	3.31e-02	3.79e-02	218,214,44				2.89e-03	1.0	1.0	0,231
		60.0	7.92e-03	3.64e-03	3.80e-02	232,229,44				2.90e-03	1.0	1.0	0,231
207 ok	T,s=3,m=78	0.0	8.02e-03	2.42e-03	7.91e-02	234,205,44				3.08e-03	1.0	1.0	0,233
		40.0	6.53e-03	3.33e-03	7.91e-02	218,227,44				3.08e-03	1.0	1.0	0,233
208 ok	T,s=3,m=78	0.0	6.01e-03	4.35e-03	2.91e-02	218,219,44				2.93e-03	1.0	1.0	0,233
		40.0	1.80e-02	1.63e-02	2.90e-02	214,219,44				2.94e-03	1.0	1.0	0,229
209 ok	T,s=3,m=78	0.0	1.77e-02	1.63e-02	2.45e-02	214,219,44				2.73e-03	1.0	1.0	0,229
		40.0	7.23e-03	4.68e-03	2.45e-02	226,219,44				2.73e-03	1.0	1.0	0,229
210 ok	T,s=3,m=78	0.0	1.74e-02	1.20e-02	4.52e-03	49,219,219				1.67e-03	1.0	1.0	0,231
		60.0	3.66e-02	3.47e-02	4.23e-03	214,219,219				2.13e-03	1.0	1.0	0,231
211 ok	T,s=3,m=78	0.0	9.36e-03	8.10e-03	2.92e-02	222,219,48				4.75e-03	1.0	1.0	0,227
		30.0	8.89e-03	5.51e-03	2.92e-02	216,49,48				4.75e-03	1.0	1.0	0,227
212 ok	T,s=3,m=78	0.0	7.13e-03	5.51e-03	5.58e-03	234,49,45				3.75e-03	1.0	1.0	0,233
		30.0	1.21e-02	1.35e-02	5.58e-03	214,213,45				3.75e-03	1.0	1.0	0,233
213 ok	T,s=3,m=78	0.0	5.78e-02	5.57e-02	1.97e-02	214,216,216				6.07e-03	1.0	1.0	0,205
		60.0	0.1	0.1	2.05e-02	214,216,216				1.61e-02	1.0	1.0	0,205
214 ok	T,s=3,m=78	0.0	0.2	0.1	9.00e-02	216,219,213				2.60e-02	1.0	1.0	0,216
		60.0	3.25e-02	3.46e-02	8.84e-02	217,218,213				3.06e-03	1.0	1.0	0,227
215 ok	T,s=3,m=78	0.0	3.47e-02	2.83e-02	3.81e-02	218,215,44				2.93e-03	1.0	1.0	0,227
		60.0	7.85e-03	2.45e-03	3.81e-02	224,221,44				2.93e-03	1.0	1.0	0,227
216 ok	T,s=3,m=78	0.0	8.39e-03	3.06e-03	7.97e-02	220,223,44				2.08e-03	1.0	1.0	0,225
		40.0	6.21e-03	2.93e-03	7.96e-02	49,227,44				2.08e-03	1.0	1.0	0,225
217 ok	T,s=3,m=78	0.0	5.71e-03	3.49e-03	2.95e-02	49,215,44				1.80e-03	1.0	1.0	0,227
		40.0	1.63e-02	1.50e-02	2.94e-02	206,219,44				1.80e-03	1.0	1.0	0,227
218 ok	T,s=3,m=78	0.0	1.65e-02	1.04e-02	2.49e-02	214,235,44				1.56e-03	1.0	1.0	0,221
		40.0	6.81e-03	3.98e-03	2.49e-02	224,217,44				1.55e-03	1.0	1.0	0,221
219 ok	T,s=3,m=78	0.0		1.73e-02	1.68e-03	0,213,213				4.12e-03	1.0	1.0	0,52
		60.0		1.32e-02	1.77e-03	0,49,213				4.08e-03	1.0	1.0	0,52
220 ok	T,s=3,m=78	0.0	5.70e-03	7.82e-03	2.87e-02	222,219,46				2.16e-03	1.0	1.0	0,215
		30.0	6.49e-03	5.73e-03	2.87e-02	212,49,46				2.12e-03	1.0	1.0	0,215
221 ok	T,s=3,m=78	0.0	5.21e-03	5.74e-03	4.82e-03	234,49,45				4.32e-03	1.0	1.0	0,217
		30.0	1.16e-02	1.36e-02	4.82e-03	214,216,45				4.42e-03	1.0	1.0	0,217
222 ok	T,s=3,m=78	0.0	2.63e-02	3.66e-02	3.50e-03	214,213,214				5.08e-03	1.0	1.0	0,205
		60.0	8.50e-03	1.57e-02	3.24e-03	230,205,214				4.03e-03	1.0	1.0	0,205
223 ok	T,s=3,m=78	0.0	0.2	0.1	0.1	216,173,213				2.73e-02	1.0	1.0	0,216
		56.0	3.60e-02	3.30e-02	0.1	217,218,213				2.21e-03	1.0	1.0	0,215
224 ok	T,s=3,m=78	0.0	3.70e-02	3.30e-02	3.79e-02	217,218,44				2.35e-03	1.0	1.0	0,218
		56.0	4.74e-03	2.55e-03	3.78e-02	204,207,44				1.53e-03	1.0	1.0	0,215
225 ok	T,s=3,m=78	0.0	5.20e-03	3.88e-03	3.67e-02	223,220,18				1.31e-03	1.0	1.0	0,204
		56.0	3.10e-02	2.97e-02	3.67e-02	210,209,18				1.90e-03	1.0	1.0	0,209
226 ok	T,s=3,m=78	0.0	3.04e-02	2.97e-02	9.08e-02	210,209,210				2.01e-03	1.0	1.0	0,204
		56.0	0.2	0.1	9.23e-02	210,209,210				2.25e-02	1.0	1.0	0,210
227 ok	T,s=3,m=78	0.0	0.1	0.1	4.24e-02	209,210,210	0.2	1.0	0.9	2.63e-02	1.0	1.0	210,210
		240.0	0.1	0.2	3.83e-02	209,210,210	0.2	1.0	0.9	3.55e-02	1.0	1.0	210,210
228 ok	T,s=3,m=78	0.0	1.04e-02	1.27e-02	2.36e-02	209,210,18				3.92e-03	1.0	1.0	0,230
		30.0	5.05e-03	5.73e-03	2.36e-02	221,49,18				3.84e-03	1.0	1.0	0,230
229 ok	T,s=3,m=78	0.0	7.25e-03	5.72e-03	1.15e-02	207,49,19				2.21e-03	1.0	1.0	0,204
		30.0	5.68e-03	7.85e-03	1.15e-02	207,209,19				2.27e-03	1.0	1.0	0,204
230 ok	T,s=3,m=78	0.0	0.1	0.1	3.78e-02	207,209,18	0.1	1.0	0.9	2.10e-02	1.0	1.0	204,204
		240.0	0.2	0.2	3.85e-02	207,209,204	0.2	1.0	0.9	3.27e-02	1.0	1.0	204,204
231 ok	T,s=3,m=78	0.0	7.18e-03	5.73e-03	3.07e-02	235,211,18				2.56e-03	1.0	1.0	0,230
		40.0	1.65e-02	1.10e-02	3.07e-02	209,220,18				2.57e-03	1.0	1.0	0,230
232 ok	T,s=3,m=78	0.0	1.64e-02	1.09e-02	2.48e-02	209,220,18				2.47e-03	1.0	1.0	0,230
		40.0	5.44e-03	3.13e-03	2.48e-02	229,220,18				2.46e-03	1.0	1.0	0,230
233 ok	T,s=3,m=78	0.0	6.22e-03	2.93e-03	3.13e-02	229,220,18				2.91e-03	1.0	1.0	0,230
		40.0	7.60e-03	3.76e-03	3.14e-02	231,207,18				2.91e-03	1.0	1.0	0,230
234 ok	T,s=3,m=78	0.0	8.57e-03	3.89e-03	3.77e-02	233,234,18				2.70e-03	1.0	1.0	0,234

235 ok	T,s=3,m=78	40.0	2.87e-02	2.47e-02	3.77e-02	209,210,18				2.99e-03	1.0	1.0	0,234
		0.0	2.88e-02	2.47e-02	3.77e-02	209,210,18				3.20e-03	1.0	1.0	0,230
		40.0	5.63e-02	5.42e-02	3.77e-02	209,204,18				4.14e-03	1.0	1.0	0,230
236 ok	T,s=3,m=78	0.0	5.58e-02	5.42e-02	0.1	209,204,210				4.12e-03	1.0	1.0	0,220
		40.0	0.1	0.1	0.1	207,210,210				2.27e-02	1.0	1.0	0,210
237 ok	T,s=3,m=78	0.0	0.1	0.1	4.02e-02	209,210,210	0.2	1.0	0.9	2.50e-02	1.0	1.0	210,210
		240.0	0.2	0.2	3.77e-02	209,207,18	0.2	1.0	0.9	3.29e-02	1.0	1.0	210,210
238 ok	T,s=3,m=78	0.0	1.16e-02	1.30e-02	2.41e-02	209,207,18				3.44e-03	1.0	1.0	0,230
		30.0	6.28e-03	5.53e-03	2.41e-02	227,49,18				3.37e-03	1.0	1.0	0,230
239 ok	T,s=3,m=78	0.0	8.40e-03	5.52e-03	1.22e-02	223,49,19				3.25e-03	1.0	1.0	0,220
		30.0	8.50e-03	8.26e-03	1.22e-02	229,209,19				3.29e-03	1.0	1.0	0,220
240 ok	T,s=3,m=78	0.0	0.1	0.2	4.08e-02	207,204,204	0.2	1.0	0.9	2.62e-02	1.0	1.0	204,204
		240.0	0.2	0.2	4.51e-02	207,204,204	0.2	1.0	0.9	4.17e-02	1.0	1.0	204,204
241 ok	T,s=3,m=78	0.0	7.75e-03	7.00e-03	3.07e-02	235,49,18				3.21e-03	1.0	1.0	0,230
		40.0	1.84e-02	1.26e-02	3.07e-02	209,220,18				3.21e-03	1.0	1.0	0,230
242 ok	T,s=3,m=78	0.0	1.84e-02	1.24e-02	2.40e-02	209,220,18				2.88e-03	1.0	1.0	0,230
		40.0	5.75e-03	3.73e-03	2.41e-02	209,220,18				2.87e-03	1.0	1.0	0,230
243 ok	T,s=3,m=78	0.0	6.14e-03	3.54e-03	3.04e-02	209,220,18				2.90e-03	1.0	1.0	0,230
		40.0	7.45e-03	3.92e-03	3.05e-02	227,215,18				2.89e-03	1.0	1.0	0,230
244 ok	T,s=3,m=78	0.0	7.65e-03	3.86e-03	3.78e-02	221,230,18				3.03e-03	1.0	1.0	0,222
		40.0	3.00e-02	2.26e-02	3.78e-02	209,210,18				3.14e-03	1.0	1.0	0,222
245 ok	T,s=3,m=78	0.0	2.92e-02	2.26e-02	3.79e-02	209,210,18				2.56e-03	1.0	1.0	0,222
		40.0	5.75e-02	5.53e-02	3.79e-02	209,204,18				3.61e-03	1.0	1.0	0,220
246 ok	T,s=3,m=78	0.0	5.71e-02	5.53e-02	0.1	209,204,204				3.45e-03	1.0	1.0	0,220
		40.0	0.1	0.1	9.93e-02	209,204,204				2.11e-02	1.0	1.0	0,204
247 ok	T,s=3,m=78	0.0	0.1	0.1	3.77e-02	209,210,18	0.1	1.0	0.9	2.08e-02	1.0	1.0	210,209
		240.0	0.2	0.2	3.94e-02	204,207,204	0.2	1.0	0.9	2.56e-02	1.0	1.0	207,210
248 ok	T,s=3,m=78	0.0	1.16e-02	1.23e-02	2.40e-02	209,207,18				2.22e-03	1.0	1.0	0,210
		30.0	5.59e-03	5.35e-03	2.40e-02	49,207,18				2.10e-03	1.0	1.0	0,210
249 ok	T,s=3,m=78	0.0	8.19e-03	5.45e-03	1.27e-02	223,49,19				2.85e-03	1.0	1.0	0,220
		30.0	7.85e-03	7.89e-03	1.27e-02	229,209,19				2.89e-03	1.0	1.0	0,220
250 ok	T,s=3,m=78	0.0	0.1	0.2	4.09e-02	229,204,18	0.2	1.0	0.9	2.52e-02	1.0	1.0	204,204
		240.0	0.1	0.2	4.32e-02	229,204,209	0.2	1.0	0.9	3.87e-02	1.0	1.0	204,204
251 ok	T,s=3,m=78	0.0	6.88e-03	8.62e-03	2.90e-02	209,207,15				1.77e-03	1.0	1.0	0,210
		56.0	1.05e-02	7.77e-03	2.90e-02	209,49,19				1.70e-03	1.0	1.0	0,210
252 ok	T,s=3,m=78	0.0	9.93e-03	4.66e-03	2.12e-02	209,226,18				9.70e-04	1.0	1.0	0,210
		56.0	4.28e-03	4.30e-03	2.13e-02	229,230,18				9.83e-04	1.0	1.0	0,210
253 ok	T,s=2,m=78	0.0	4.29e-03	2.00e-03	0.4	212,215,52	3.61e-03	1.0	0.6	2.28e-03	1.0	1.0	215,210
		320.5	3.26e-03	8.83e-04	0.4	217,215,52	2.65e-03	1.0	0.6	2.28e-03	1.0	1.0	218,210
254 NV	T,s=2,m=78	0.0	2.71e-03	6.55e-05	1.5	212,20,51	1.44e-04	1.0	0.6	8.58e-05	1.0	1.0	19,19
		320.5	1.84e-03	7.68e-05	1.5	212,20,51	1.54e-04	1.0	0.6	8.58e-05	1.0	1.0	19,19
255 NV	T,s=2,m=78	0.0	3.01e-03		1.5	218,0,52				5.39e-06	1.0	1.0	0,218
		320.5	2.13e-03		1.5	234,0,52				1.82e-06	1.0	1.0	0,218
256 ok	T,s=2,m=78	0.0	6.94e-03	2.02e-03	0.4	215,217,52	4.68e-03	1.0	0.6	3.25e-03	1.0	1.0	212,212
		320.5	5.80e-03	7.95e-04	0.4	215,217,52	3.62e-03	1.0	0.6	3.25e-03	1.0	1.0	212,212
257 ok	T,s=2,m=78	0.0	1.24e-02	1.20e-02	1.14e-03	219,235,57				6.83e-04	1.0	1.0	0,233
		55.6	2.54e-03	1.10e-03	6.78e-03	234,227,59				6.18e-04	1.0	1.0	0,233
258 ok	T,s=2,m=78	0.0	2.43e-02	2.34e-02	5.05e-03	230,235,230				2.43e-03	1.0	1.0	0,229
		55.6	1.33e-02	1.20e-02	3.62e-03	219,235,229				1.97e-03	1.0	1.0	0,233
259 ok	T,s=2,m=78	0.0	4.34e-02	3.28e-02	7.12e-03	230,229,59				3.16e-03	1.0	1.0	0,229
		55.6	2.53e-02	2.34e-02	2.51e-03	230,235,229				2.62e-03	1.0	1.0	0,229
260 ok	T,s=2,m=78	0.0	5.71e-02	3.62e-02	7.31e-03	234,229,59				3.65e-03	1.0	1.0	0,229
		59.6	4.53e-02	3.28e-02	1.41e-03	230,229,57				3.43e-03	1.0	1.0	0,229
261 ok	T,s=2,m=78	0.0	5.69e-02	3.00e-02	4.35e-03	234,233,59				3.68e-03	1.0	1.0	0,229
		59.6	6.09e-02	3.62e-02	2.74e-03	234,229,57				4.08e-03	1.0	1.0	0,229
262 ok	T,s=2,m=78	0.0	3.18e-02	1.62e-02	3.91e-03	230,235,229				1.34e-03	1.0	1.0	0,229
		59.6	5.06e-02	3.00e-02	6.08e-03	234,233,230				2.04e-03	1.0	1.0	0,234
263 ok	T,s=2,m=78	0.0	7.34e-03	0.0	4.83e-03	230,229,235				7.37e-04	1.0	1.0	0,229
		59.6	3.38e-02	1.62e-02	1.06e-02	230,235,232				9.92e-04	1.0	1.0	0,229
264 ok	T,s=2,m=78	0.0	1.22e-02	1.34e-02	7.39e-03	219,235,57				3.39e-04	1.0	1.0	0,235
		55.6	2.23e-03	1.62e-03	1.79e-02	222,221,59				1.60e-04	1.0	1.0	0,235
265 ok	T,s=2,m=78	0.0	3.20e-02	2.10e-02	2.20e-02	232,235,59				9.88e-04	1.0	1.0	0,235
		55.6	1.25e-02	1.34e-02	5.22e-03	232,235,57				7.28e-04	1.0	1.0	0,235
266 ok	T,s=2,m=78	0.0	5.41e-02	2.20e-02	3.13e-02	232,235,59				2.36e-03	1.0	1.0	0,232
		55.6	3.37e-02	2.10e-02	2.87e-03	232,235,57				9.68e-04	1.0	1.0	0,235
267 ok	T,s=2,m=78	0.0	5.00e-02	2.93e-02	1.03e-03	235,232,57				2.50e-03	1.0	1.0	0,228
		53.6	5.91e-02	3.12e-02	6.40e-03	235,232,59				2.73e-03	1.0	1.0	0,235
268 ok	T,s=2,m=78	0.0	2.92e-02	2.02e-02	2.47e-03	235,232,235				1.90e-03	1.0	1.0	0,228
		55.7	4.85e-02	2.93e-02	8.24e-03	235,232,59				2.34e-03	1.0	1.0	0,228
269 ok	T,s=2,m=78	0.0	8.81e-03	7.66e-03	3.72e-03	231,230,232				1.40e-03	1.0	1.0	0,220
		55.7	2.83e-02	2.02e-02	6.69e-03	235,232,235				1.70e-03	1.0	1.0	0,228
270 ok	T,s=2,m=78	0.0	1.93e-03	8.06e-04	4.22e-03	211,216,59				3.76e-04	1.0	1.0	0,220
		55.7	6.43e-03	7.66e-03	2.33e-03	233,230,57				4.02e-04	1.0	1.0	0,220
271 ok	T,s=2,m=78	0.0	1.07e-02	1.23e-02	7.83e-03	195,223,57				2.26e-04	1.0	1.0	0,223
		55.6	2.15e-03	1.46e-03	1.67e-02	228,231,59				7.46e-05	1.0	1.0	0,223

272 ok	T,s=2,m=78	0.0	3.16e-02	1.83e-02	2.29e-02	220,223,59	7.65e-04	1.0	1.0	0,220
		55.6	1.28e-02	1.23e-02	4.96e-03	220,223,57	4.74e-04	1.0	1.0	0,223
273 ok	T,s=2,m=78	0.0	5.46e-02	1.81e-02	3.25e-02	220,223,59	2.26e-03	1.0	1.0	0,220
		55.6	3.47e-02	1.83e-02	2.65e-03	220,223,57	7.65e-04	1.0	1.0	0,220
274 ok	T,s=2,m=78	0.0	5.82e-02	1.13e-02	1.22e-02	232,235,59	2.87e-03	1.0	1.0	0,232
		49.6	6.18e-02	1.81e-02	7.06e-03	232,235,57	3.26e-03	1.0	1.0	0,232
275 ok	T,s=2,m=78	0.0	4.40e-02		6.10e-03	232,0,57	1.65e-03	1.0	1.0	0,232
		49.6	5.69e-02		1.34e-02	232,0,59	2.87e-03	1.0	1.0	0,232
276 ok	T,s=2,m=78	0.0	2.86e-02		2.81e-03	52,0,57	5.68e-04	1.0	1.0	0,52
		49.6	4.46e-02		2.27e-02	232,0,59	1.65e-03	1.0	1.0	0,232
277 ok	T,s=2,m=78	0.0	7.34e-03		2.93e-03	52,0,232	0.0	1.0	1.0	0,59
		49.6	3.15e-02		3.31e-02	52,0,59	5.68e-04	1.0	1.0	0,52
278 ok	T,s=2,m=78	0.0	9.75e-03	7.64e-03	1.36e-03	52,223,57	4.44e-04	1.0	1.0	0,223
		55.6	2.25e-03	1.19e-03	6.50e-03	222,207,59	3.89e-04	1.0	1.0	0,223
279 ok	T,s=2,m=78	0.0	2.12e-02	2.08e-02	5.16e-03	220,223,220	1.89e-03	1.0	1.0	0,223
		55.6	1.18e-02	7.64e-03	4.05e-03	52,223,223	1.51e-03	1.0	1.0	0,223
280 ok	T,s=2,m=78	0.0	4.20e-02	3.24e-02	6.94e-03	220,223,220	2.71e-03	1.0	1.0	0,223
		55.6	2.23e-02	2.08e-02	3.10e-03	220,223,223	2.12e-03	1.0	1.0	0,223
281 ok	T,s=2,m=78	0.0	5.74e-02	3.62e-02	7.16e-03	220,223,59	3.62e-03	1.0	1.0	0,223
		59.6	4.56e-02	3.24e-02	1.50e-03	220,223,57	3.34e-03	1.0	1.0	0,223
282 ok	T,s=2,m=78	0.0	4.95e-02	3.05e-02	4.37e-03	224,227,59	2.03e-03	1.0	1.0	0,223
		59.6	5.29e-02	3.62e-02	2.74e-03	220,223,57	2.41e-03	1.0	1.0	0,223
283 ok	T,s=2,m=78	0.0	3.35e-02	1.72e-02	3.95e-03	226,225,223	1.19e-03	1.0	1.0	0,223
		59.6	5.18e-02	3.05e-02	5.87e-03	224,227,220	1.97e-03	1.0	1.0	0,224
284 ok	T,s=2,m=78	0.0	1.12e-02	0.0	5.00e-03	52,227,225	8.81e-05	1.0	1.0	0,227
		59.6	3.68e-02	1.65e-02	1.03e-02	220,223,226	6.80e-04	1.0	1.0	0,226
285 ok	T,s=2,m=78	0.0	2.96e-02	6.86e-03	1.00e-02	229,234,59	4.39e-04	1.0	1.0	0,230
		53.6	9.86e-03	0.0	2.92e-03	229,230,233	3.96e-04	1.0	1.0	0,230
286 ok	T,s=2,m=78	0.0	4.45e-02	1.58e-02	7.37e-03	225,226,59	1.47e-03	1.0	1.0	0,225
		53.6	2.67e-02	6.86e-03	2.55e-03	233,234,225	8.36e-04	1.0	1.0	0,230
287 ok	T,s=2,m=78	0.0	5.65e-02	2.46e-02	4.55e-03	225,226,59	2.67e-03	1.0	1.0	0,225
		53.6	4.30e-02	1.58e-02	2.28e-03	225,226,226	1.47e-03	1.0	1.0	0,225
288 ok	T,s=2,m=78	0.0	6.65e-02	3.03e-02	2.25e-03	225,226,57	3.10e-03	1.0	1.0	0,225
		53.6	6.24e-02	2.46e-02	3.45e-03	225,226,59	2.67e-03	1.0	1.0	0,225
289 ok	T,s=2,m=78	0.0	5.47e-02	2.99e-02	8.81e-04	225,226,57	2.58e-03	1.0	1.0	0,222
		53.6	6.32e-02	3.03e-02	6.80e-03	225,226,59	3.10e-03	1.0	1.0	0,225
290 ok	T,s=2,m=78	0.0	3.73e-02	2.35e-02	2.47e-03	225,226,233	2.72e-03	1.0	1.0	0,226
		55.7	5.56e-02	2.99e-02	9.32e-03	225,226,59	3.07e-03	1.0	1.0	0,226
291 ok	T,s=2,m=78	0.0	1.48e-02	1.40e-02	2.91e-03	223,220,226	1.50e-03	1.0	1.0	0,226
		55.7	3.34e-02	2.35e-02	6.81e-03	225,226,59	1.94e-03	1.0	1.0	0,226
292 ok	T,s=2,m=78	0.0	2.44e-03	1.32e-03	4.39e-03	205,206,59	5.18e-04	1.0	1.0	0,226
		55.7	1.25e-02	1.40e-02	3.26e-03	223,220,223	6.27e-04	1.0	1.0	0,226
293 ok	T,s=2,m=78	0.0	2.29e-02	9.17e-03	2.83e-02	225,208,59	7.38e-04	1.0	1.0	0,226
		53.6	2.43e-03	0.0	2.76e-03	225,226,57	7.31e-04	1.0	1.0	0,226
294 ok	T,s=2,m=78	0.0	4.31e-02		2.27e-02	225,0,59	1.56e-03	1.0	1.0	0,225
		53.6	2.41e-02		4.30e-03	225,0,57	4.12e-04	1.0	1.0	0,225
295 ok	T,s=2,m=78	0.0	5.63e-02	1.49e-02	1.63e-02	225,226,59	2.88e-03	1.0	1.0	0,225
		53.6	4.21e-02	8.26e-03	6.84e-03	225,226,57	1.56e-03	1.0	1.0	0,225
296 ok	T,s=2,m=78	0.0	6.25e-02	2.09e-02	9.66e-03	223,226,57	3.44e-03	1.0	1.0	0,225
		53.6	5.74e-02	1.49e-02	1.18e-02	225,226,59	2.88e-03	1.0	1.0	0,225
297 ok	T,s=2,m=78	0.0	5.57e-02	2.40e-02	4.88e-03	223,226,57	2.53e-03	1.0	1.0	0,225
		53.6	6.41e-02	2.09e-02	2.17e-02	223,226,59	3.44e-03	1.0	1.0	0,225
298 ok	T,s=2,m=78	0.0	3.62e-02	2.25e-02	3.14e-03	223,220,57	1.60e-03	1.0	1.0	0,220
		55.7	5.60e-02	2.40e-02	3.01e-02	223,226,59	2.53e-03	1.0	1.0	0,225
299 ok	T,s=2,m=78	0.0	1.48e-02	1.55e-02	5.01e-03	223,220,57	1.19e-03	1.0	1.0	0,220
		55.7	3.42e-02	2.25e-02	2.25e-02	223,220,59	1.46e-03	1.0	1.0	0,220
300 ok	T,s=2,m=78	0.0	2.81e-03	5.72e-04	1.76e-02	231,190,59	2.85e-04	1.0	1.0	0,220
		55.7	1.19e-02	1.55e-02	7.75e-03	223,220,57	5.25e-04	1.0	1.0	0,220
301 ok	T,s=2,m=78	0.0	2.30e-02		2.77e-02	231,0,59	3.99e-04	1.0	1.0	0,235
		53.6	2.63e-03		2.90e-03	52,0,57	0.0	1.0	1.0	0,204
302 ok	T,s=2,m=78	0.0	4.27e-02		2.24e-02	235,0,59	1.50e-03	1.0	1.0	0,235
		53.6	2.45e-02		4.41e-03	231,0,57	3.99e-04	1.0	1.0	0,235
303 ok	T,s=2,m=78	0.0	5.53e-02	1.46e-02	1.61e-02	235,232,59	2.75e-03	1.0	1.0	0,235
		53.6	4.16e-02	8.31e-03	6.91e-03	235,232,57	1.50e-03	1.0	1.0	0,235
304 ok	T,s=2,m=78	0.0	6.08e-02	1.99e-02	9.68e-03	235,232,57	3.23e-03	1.0	1.0	0,235
		53.6	5.64e-02	1.46e-02	1.18e-02	235,232,59	2.75e-03	1.0	1.0	0,235
305 ok	T,s=2,m=78	0.0	5.33e-02	2.20e-02	4.98e-03	235,232,57	2.28e-03	1.0	1.0	0,235
		53.6	6.24e-02	1.99e-02	2.14e-02	235,232,59	3.23e-03	1.0	1.0	0,235
306 ok	T,s=2,m=78	0.0	3.44e-02	2.08e-02	3.29e-03	223,220,57	1.37e-03	1.0	1.0	0,220
		55.7	5.35e-02	2.20e-02	2.95e-02	235,232,59	2.28e-03	1.0	1.0	0,235
307 ok	T,s=2,m=78	0.0	1.44e-02	1.47e-02	5.22e-03	223,220,57	1.08e-03	1.0	1.0	0,220
		55.7	3.24e-02	2.08e-02	2.20e-02	223,220,59	1.29e-03	1.0	1.0	0,220
308 ok	T,s=2,m=78	0.0	1.95e-03	1.34e-03	1.72e-02	221,222,59	2.67e-04	1.0	1.0	0,220
		55.7	1.16e-02	1.47e-02	7.91e-03	223,220,57	4.81e-04	1.0	1.0	0,220
309 ok	T,s=2,m=78	0.0	2.68e-02	7.73e-03	8.99e-03	223,220,59	3.93e-03	1.0	1.0	0,220

		53.6	7.56e-03	1.51e-05	2.55e-03	223,220,227	3.88e-03	1.0	1.0	0,220
310 ok	T,s=2,m=78	0.0	4.19e-02	1.68e-02	6.63e-03	235,232,59	1.32e-03	1.0	1.0	0,235
		53.6	2.54e-02	7.72e-03	2.56e-03	223,220,232	8.73e-04	1.0	1.0	0,220
311 ok	T,s=2,m=78	0.0	5.33e-02	2.58e-02	4.16e-03	235,232,59	2.40e-03	1.0	1.0	0,235
		53.6	4.06e-02	1.68e-02	2.33e-03	235,232,232	1.32e-03	1.0	1.0	0,235
312 ok	T,s=2,m=78	0.0	6.22e-02	3.12e-02	2.22e-03	235,232,57	3.02e-03	1.0	1.0	0,220
		53.6	5.88e-02	2.58e-02	3.53e-03	235,232,59	2.83e-03	1.0	1.0	0,220
313 ok	T,s=2,m=78	0.0	6.37e-02	1.81e-02	2.18e-02	232,235,59	3.26e-03	1.0	1.0	0,232
		49.6	5.51e-02	2.20e-02	3.19e-03	232,235,57	2.36e-03	1.0	1.0	0,232
314 ok	T,s=2,m=78	0.0	6.26e-02		2.27e-02	220,0,59	3.12e-03	1.0	1.0	0,220
		49.6	5.42e-02		2.99e-03	220,0,57	2.26e-03	1.0	1.0	0,220
315 ok	T,s=2,m=78	0.0	5.70e-02		1.25e-02	220,0,59	2.73e-03	1.0	1.0	0,220
		49.6	6.07e-02		6.91e-03	220,0,57	3.12e-03	1.0	1.0	0,220
316 ok	T,s=2,m=78	0.0	4.76e-02		5.97e-03	52,0,57	1.90e-03	1.0	1.0	0,52
		49.6	5.57e-02		1.38e-02	220,0,59	2.73e-03	1.0	1.0	0,220
317 ok	T,s=2,m=78	0.0	3.30e-02		2.46e-03	52,0,57	7.02e-04	1.0	1.0	0,52
		49.6	5.00e-02		2.44e-02	52,0,59	1.90e-03	1.0	1.0	0,52
318 ok	T,s=2,m=78	0.0	3.87e-03		2.65e-03	52,0,220	0.0	1.0	1.0	0,59
		49.6	3.05e-02		3.66e-02	52,0,59	7.02e-04	1.0	1.0	0,52
319 ok	T,s=3,m=78	0.0	3.31e-03	2.07e-03	6.76e-03	215,52,212	2.01e-03	1.0	1.0	0,216
		56.0	3.51e-02	3.09e-02	7.09e-03	219,216,215	2.95e-03	1.0	1.0	0,216
320 ok	T,s=3,m=78	0.0	3.70e-02	3.09e-02	5.61e-03	219,216,205	5.74e-03	1.0	1.0	0,216
		56.0	6.56e-02	5.78e-02	5.49e-03	215,212,206	8.05e-03	1.0	1.0	0,216
321 ok	T,s=3,m=78	0.0	6.76e-02	5.77e-02	6.05e-03	219,212,215	8.21e-03	1.0	1.0	0,216
		60.0	3.46e-02	3.23e-02	5.64e-03	219,212,215	5.97e-03	1.0	1.0	0,208
322 ok	T,s=3,m=78	0.0		3.41e-02	7.79e-03	0,214,213	4.13e-03	1.0	1.0	0,49
		30.0		1.59e-02	7.57e-03	0,211,213	4.14e-03	1.0	1.0	0,49
323 ok	T,s=3,m=78	0.0	1.64e-02	1.47e-02	9.70e-03	219,49,213	2.73e-03	1.0	1.0	0,213
		30.0	8.24e-03	2.17e-02	9.45e-03	219,216,213	3.11e-03	1.0	1.0	0,216
324 ok	T,s=3,m=78	0.0	9.00e-03	2.17e-02	1.35e-03	219,216,209	4.93e-03	1.0	1.0	0,208
		60.0	3.98e-03	1.60e-02	1.38e-03	219,212,209	4.80e-03	1.0	1.0	0,208
325 ok	T,s=3,m=78	0.0	7.55e-03	8.89e-03	1.36e-03	232,43,209	2.56e-03	1.0	1.0	0,231
		60.0	3.55e-03	4.20e-03	1.40e-03	226,49,209	2.55e-03	1.0	1.0	0,231
326 ok	T,s=3,m=78	0.0	5.00e-03	4.19e-03	1.32e-03	220,49,209	2.85e-03	1.0	1.0	0,231
		60.0	7.24e-03	2.77e-03	1.32e-03	232,235,209	2.85e-03	1.0	1.0	0,231
327 ok	T,s=3,m=78	0.0	7.74e-03	3.10e-03	6.10e-03	228,218,216	2.71e-03	1.0	1.0	0,231
		40.0	2.14e-02	1.96e-02	5.86e-03	208,215,219	2.84e-03	1.0	1.0	0,231
328 ok	T,s=3,m=78	0.0	1.98e-02	1.98e-02	1.15e-02	215,212,216	2.99e-03	1.0	1.0	0,233
		40.0	4.69e-02	4.89e-02	1.11e-02	215,212,216	4.02e-03	1.0	1.0	0,217
329 ok	T,s=3,m=78	0.0	4.81e-02	4.89e-02	4.76e-03	215,212,216	6.00e-03	1.0	1.0	0,217
		40.0	6.46e-02	6.57e-02	4.55e-03	214,213,216	8.50e-03	1.0	1.0	0,213
330 ok	T,s=3,m=78	0.0	6.70e-02	6.57e-02	7.41e-03	214,213,214	9.32e-03	1.0	1.0	0,205
		60.0	3.29e-02	3.54e-02	7.00e-03	206,213,214	6.39e-03	1.0	1.0	0,205
331 ok	T,s=3,m=78	0.0	9.20e-03	3.34e-02	1.00e-02	224,214,216	5.32e-03	1.0	1.0	0,219
		30.0	8.23e-03	1.55e-02	9.77e-03	224,219,216	4.98e-03	1.0	1.0	0,227
332 ok	T,s=3,m=78	0.0	1.34e-02	1.55e-02	1.23e-02	218,219,216	3.87e-03	1.0	1.0	0,233
		30.0	1.22e-02	2.23e-02	1.20e-02	234,208,216	3.89e-03	1.0	1.0	0,217
333 ok	T,s=3,m=78	0.0	6.78e-03	2.23e-02	1.57e-03	214,208,216	5.78e-03	1.0	1.0	0,205
		60.0	3.24e-03	1.74e-02	1.63e-03	206,213,216	5.61e-03	1.0	1.0	0,205
334 ok	T,s=3,m=78	0.0	7.21e-03	8.78e-03	1.54e-03	220,43,213	3.36e-03	1.0	1.0	0,227
		60.0	4.55e-03	4.37e-03	1.59e-03	222,214,213	3.34e-03	1.0	1.0	0,227
335 ok	T,s=3,m=78	0.0	5.64e-03	4.37e-03	1.51e-03	224,214,213	3.26e-03	1.0	1.0	0,227
		60.0	8.11e-03	3.62e-03	1.51e-03	224,206,214	3.27e-03	1.0	1.0	0,227
336 ok	T,s=3,m=78	0.0	7.54e-03	3.06e-03	4.73e-03	220,225,212	2.55e-03	1.0	1.0	0,227
		40.0	1.98e-02	1.57e-02	4.50e-03	212,215,212	2.64e-03	1.0	1.0	0,227
337 ok	T,s=3,m=78	0.0	1.58e-02	1.85e-02	1.11e-02	207,212,216	2.81e-03	1.0	1.0	0,205
		40.0	4.19e-02	4.85e-02	1.08e-02	214,216,216	4.87e-03	1.0	1.0	0,205
338 ok	T,s=3,m=78	0.0	4.27e-02	4.85e-02	4.57e-03	214,216,217	6.08e-03	1.0	1.0	0,205
		40.0	5.80e-02	6.74e-02	4.35e-03	214,213,217	8.05e-03	1.0	1.0	0,213
339 ok	T,s=3,m=78	0.0	5.98e-02	6.74e-02	5.97e-03	214,213,219	8.63e-03	1.0	1.0	0,205
		60.0	2.87e-02	3.66e-02	5.59e-03	206,213,219	5.67e-03	1.0	1.0	0,205
340 ok	T,s=3,m=78	0.0		3.18e-02	1.01e-02	0,214,216	2.63e-03	1.0	1.0	0,214
		30.0		1.46e-02	9.82e-03	0,49,216	2.61e-03	1.0	1.0	0,49
341 ok	T,s=3,m=78	0.0		1.46e-02	1.26e-02	0,49,216	5.40e-03	1.0	1.0	0,52
		30.0		2.66e-02	1.23e-02	0,208,216	5.73e-03	1.0	1.0	0,213
342 ok	T,s=3,m=78	0.0	5.19e-03	2.66e-02	1.43e-03	206,208,215	6.84e-03	1.0	1.0	0,205
		60.0	3.49e-03	2.13e-02	1.39e-03	206,205,215	6.64e-03	1.0	1.0	0,205
343 ok	T,s=3,m=78	0.0		9.50e-03	1.39e-03	0,43,218	2.90e-03	1.0	1.0	0,49
		56.0		4.63e-03	1.40e-03	0,49,218	2.83e-03	1.0	1.0	0,49
344 ok	T,s=3,m=78	0.0		4.63e-03	1.39e-03	0,49,218	8.40e-04	1.0	1.0	0,49
		56.0		1.96e-03	1.41e-03	0,211,218	8.21e-04	1.0	1.0	0,49
345 ok	T,s=3,m=78	0.0		1.20e-03	1.98e-03	0,214,213	7.17e-04	1.0	1.0	0,49
		56.0		4.74e-03	1.96e-03	0,49,213	7.37e-04	1.0	1.0	0,49
346 ok	T,s=3,m=78	0.0		4.74e-03	1.97e-03	0,49,213	2.46e-03	1.0	1.0	0,49
		56.0		9.23e-03	1.95e-03	0,17,213	2.52e-03	1.0	1.0	0,49

347 ok	T,s=3,m=78	0.0	9.07e-03	9.23e-03	1.96e-03	223,17,213				1.09e-03	1.0	1.0	0,224
		60.0	9.36e-03	1.20e-02	1.95e-03	207,49,213				1.09e-03	1.0	1.0	0,224
348 ok	T,s=3,m=78	0.0	6.13e-03	2.19e-02	7.14e-03	229,207,207				3.76e-03	1.0	1.0	0,210
		30.0	1.44e-02	1.48e-02	7.36e-03	209,49,207				3.41e-03	1.0	1.0	0,210
349 ok	T,s=3,m=78	0.0		1.48e-02	5.60e-03	0,49,207				2.18e-03	1.0	1.0	0,49
		30.0		2.86e-02	5.80e-03	0,209,207				2.17e-03	1.0	1.0	0,209
350 ok	T,s=3,m=78	0.0	1.53e-02	2.86e-02	2.44e-03	207,209,209				3.69e-03	1.0	1.0	0,204
		60.0	2.53e-03	1.32e-02	2.61e-03	207,204,209				3.44e-03	1.0	1.0	0,49
351 ok	T,s=3,m=78	0.0	5.39e-02	5.47e-02	3.40e-03	209,210,205				5.10e-03	1.0	1.0	0,210
		40.0	4.13e-02	4.13e-02	3.26e-03	204,207,205				3.82e-03	1.0	1.0	0,210
352 ok	T,s=3,m=78	0.0	4.05e-02	4.13e-02	8.00e-03	204,207,209				2.65e-03	1.0	1.0	0,210
		40.0	1.73e-02	1.62e-02	7.74e-03	204,207,210				1.62e-03	1.0	1.0	0,230
353 ok	T,s=3,m=78	0.0	1.88e-02	1.64e-02	4.75e-03	207,204,204				1.61e-03	1.0	1.0	0,220
		40.0	8.71e-03	2.15e-03	4.54e-03	227,230,204				1.41e-03	1.0	1.0	0,220
354 ok	T,s=3,m=78	0.0	9.15e-03	1.94e-03	1.63e-03	223,228,213				2.47e-03	1.0	1.0	0,220
		40.0	5.69e-03	3.19e-03	1.60e-03	223,209,213				2.47e-03	1.0	1.0	0,220
355 ok	T,s=3,m=78	0.0	4.38e-03	3.19e-03	1.58e-03	221,209,216				2.52e-03	1.0	1.0	0,220
		40.0	6.03e-03	4.82e-03	1.57e-03	231,51,216				2.53e-03	1.0	1.0	0,220
356 ok	T,s=3,m=78	0.0	5.48e-03	5.87e-03	1.56e-03	233,49,216				2.45e-03	1.0	1.0	0,220
		40.0	8.27e-03	9.24e-03	1.55e-03	231,17,216				2.46e-03	1.0	1.0	0,220
357 ok	T,s=3,m=78	0.0	9.36e-03	9.24e-03	1.56e-03	223,17,213				3.18e-03	1.0	1.0	0,220
		60.0	1.07e-02	8.47e-03	1.55e-03	49,17,216				3.17e-03	1.0	1.0	0,220
358 ok	T,s=3,m=78	0.0	1.42e-02	1.81e-02	7.54e-03	225,223,204				2.74e-03	1.0	1.0	0,230
		30.0	1.65e-02	1.47e-02	7.33e-03	209,49,204				2.60e-03	1.0	1.0	0,230
359 ok	T,s=3,m=78	0.0	1.30e-02	1.55e-02	6.12e-03	221,209,204				2.60e-03	1.0	1.0	0,220
		30.0	1.75e-02	3.14e-02	5.93e-03	235,209,204				3.15e-03	1.0	1.0	0,204
360 ok	T,s=3,m=78	0.0	1.75e-02	3.14e-02	2.34e-03	207,209,209				5.61e-03	1.0	1.0	0,204
		60.0	4.06e-03	1.45e-02	2.54e-03	227,209,209				4.91e-03	1.0	1.0	0,204
361 ok	T,s=3,m=78	0.0	6.23e-02	5.27e-02	3.37e-03	209,207,209				5.42e-03	1.0	1.0	0,210
		40.0	4.87e-02	4.01e-02	3.20e-03	204,207,209				3.65e-03	1.0	1.0	0,210
362 ok	T,s=3,m=78	0.0	4.79e-02	4.01e-02	9.44e-03	204,207,204				2.77e-03	1.0	1.0	0,210
		40.0	2.15e-02	1.73e-02	9.11e-03	204,220,204				2.16e-03	1.0	1.0	0,230
363 ok	T,s=3,m=78	0.0	2.02e-02	1.73e-02	5.54e-03	204,220,204				1.70e-03	1.0	1.0	0,226
		40.0	8.97e-03	2.85e-03	5.30e-03	221,222,204				1.63e-03	1.0	1.0	0,222
364 ok	T,s=3,m=78	0.0	1.06e-02	4.27e-03	3.25e-03	223,217,43				2.34e-03	1.0	1.0	0,220
		40.0	5.30e-03	3.09e-03	3.22e-03	227,209,43				2.34e-03	1.0	1.0	0,220
365 ok	T,s=3,m=78	0.0	3.92e-03	3.09e-03	3.28e-03	221,209,43				2.13e-03	1.0	1.0	0,220
		40.0	5.43e-03	6.24e-03	3.23e-03	227,49,43				2.14e-03	1.0	1.0	0,220
366 ok	T,s=3,m=78	0.0	4.77e-03	6.24e-03	3.23e-03	235,49,43				1.92e-03	1.0	1.0	0,220
		40.0	8.04e-03	9.41e-03	3.21e-03	227,17,43				1.92e-03	1.0	1.0	0,220
367 ok	T,s=3,m=78	0.0	8.57e-03	9.41e-03	3.21e-03	223,17,43				2.67e-03	1.0	1.0	0,220
		60.0	8.80e-03	1.05e-02	3.20e-03	223,49,43				2.66e-03	1.0	1.0	0,220
368 ok	T,s=3,m=78	0.0	7.75e-03	1.71e-02	7.62e-03	220,223,209				2.49e-03	1.0	1.0	0,207
		30.0	1.66e-02	1.50e-02	7.40e-03	204,49,209				2.30e-03	1.0	1.0	0,207
369 ok	T,s=3,m=78	0.0		1.58e-02	6.06e-03	0,204,209				3.06e-03	1.0	1.0	0,49
		30.0		3.23e-02	5.87e-03	0,209,209				3.14e-03	1.0	1.0	0,49
370 ok	T,s=3,m=78	0.0		3.23e-02	3.22e-03	0,209,43				5.33e-03	1.0	1.0	0,49
		60.0		1.50e-02	3.29e-03	0,204,229				5.21e-03	1.0	1.0	0,49
371 ok	T,s=3,m=78	0.0	6.25e-02	4.37e-02	1.85e-02	204,229,209				4.76e-03	1.0	1.0	0,207
		56.0	3.50e-02	2.23e-02	1.81e-02	204,207,209				3.57e-03	1.0	1.0	0,207
372 ok	T,s=3,m=78	0.0	3.35e-02	2.23e-02	1.72e-02	204,207,209				2.05e-03	1.0	1.0	0,207
		56.0	2.75e-03	1.60e-03	1.69e-02	208,206,209				1.57e-03	1.0	1.0	0,207
373 ok	T,s=2,m=78	0.0	4.65e-03	1.20e-05	9.58e-02	204,207,59	5.39e-03	1.0	0.6	5.39e-03	1.0	1.0	207,207
		320.5	4.65e-03	1.20e-05	9.58e-02	204,207,59	5.39e-03	1.0	0.6	5.39e-03	1.0	1.0	207,207
374 ok	T,s=2,m=78	0.0	2.48e-03	0.0	0.4	230,229,57	8.58e-04	1.0	0.6	8.58e-04	1.0	1.0	229,229
		320.5	2.48e-03	0.0	0.4	230,229,57	8.58e-04	1.0	0.6	8.58e-04	1.0	1.0	229,229
375 ok	T,s=2,m=78	0.0	2.97e-03	0.0	0.4	230,229,59	1.27e-03	1.0	0.6	1.27e-03	1.0	1.0	229,229
		320.5	3.61e-03	1.02e-03	0.4	234,217,59	2.14e-03	1.0	0.6	1.27e-03	1.0	1.0	233,229
376 ok	T,s=2,m=78	0.0	1.14e-02		9.58e-02	52,0,59				0.0	1.0	1.0	0,210
		320.5	1.14e-02		9.58e-02	52,0,59				0.0	1.0	1.0	0,205
377 ok	T,s=2,m=78	0.0	1.72e-02	4.51e-02	1.06e-02	187,52,52				1.31e-02	1.0	1.0	0,209
		53.6	1.63e-02	4.50e-02	1.01e-02	194,52,51				1.31e-02	1.0	1.0	0,209
378 ok	T,s=2,m=78	0.0	1.84e-02	4.51e-02	1.92e-02	219,52,220				1.62e-02	1.0	1.0	0,209
		53.6	3.34e-02	5.39e-02	1.71e-02	210,213,223				1.68e-02	1.0	1.0	0,209
379 ok	T,s=2,m=78	0.0	6.23e-02	6.43e-02	5.83e-02	223,207,207				2.18e-02	1.0	1.0	0,226
		59.6	5.34e-02	5.25e-02	0.1	209,52,204				2.28e-02	1.0	1.0	0,226
380 ok	T,s=2,m=78	0.0	5.09e-02	5.25e-02	1.60e-02	209,52,52				1.48e-02	1.0	1.0	0,226
		59.6	5.76e-02	4.83e-02	1.05e-02	205,52,51				1.38e-02	1.0	1.0	0,226
381 ok	T,s=2,m=78	0.0	5.84e-02	4.83e-02	1.82e-02	205,52,52				1.44e-02	1.0	1.0	0,222
		59.6	4.85e-02	4.19e-02	8.98e-03	209,52,51				1.44e-02	1.0	1.0	0,222
382 ok	T,s=2,m=78	0.0	4.28e-02	4.18e-02	1.75e-02	209,52,52				8.03e-03	1.0	1.0	0,230
		59.6	3.62e-02	3.65e-02	9.50e-03	233,52,51				8.02e-03	1.0	1.0	0,230
383 ok	T,s=2,m=78	0.0	3.28e-02	3.65e-02	3.48e-02	209,52,52				5.62e-03	1.0	1.0	0,210
		59.6	2.16e-02	2.38e-02	1.22e-02	204,220,226				5.62e-03	1.0	1.0	0,210
384 ok	T,s=2,m=78	0.0	2.98e-02	1.38e-02	0.3	220,52,225				8.58e-03	1.0	1.0	0,223

		22.4	5.41e-02	7.15e-02	0.2	217,225,225	1.29e-02	1.0	1.0	0,223
385 ok	T,s=2,m=78	0.0	5.51e-02	7.13e-02	2.61e-02	220,225,226	1.38e-02	1.0	1.0	0,223
		37.2	3.08e-02	4.01e-02	3.21e-02	220,223,225	1.09e-02	1.0	1.0	0,223
386 ok	T,s=2,m=78	0.0	3.10e-02	4.02e-02	1.33e-02	220,223,226	1.03e-02	1.0	1.0	0,223
		59.6	1.24e-02	3.85e-03	3.14e-02	220,223,52	8.80e-03	1.0	1.0	0,223
387 ok	T,s=2,m=78	0.0	1.22e-02	3.86e-03	7.27e-03	220,223,51	8.71e-03	1.0	1.0	0,223
		59.6	1.15e-02	1.34e-02	2.35e-02	204,52,52	8.76e-03	1.0	1.0	0,223
388 ok	T,s=2,m=78	0.0	1.21e-02	1.34e-02	9.88e-03	220,52,51	9.74e-03	1.0	1.0	0,223
		59.6	1.62e-02	1.95e-02	1.83e-02	220,52,52	9.78e-03	1.0	1.0	0,223
389 ok	T,s=2,m=78	0.0	1.05e-02	1.95e-02	1.06e-02	204,52,51	2.28e-03	1.0	1.0	0,44
		59.6	1.43e-02	2.37e-02	1.67e-02	220,52,52	2.39e-03	1.0	1.0	0,28
390 ok	T,s=2,m=78	0.0	1.43e-02	2.37e-02	9.93e-03	220,52,51	2.46e-03	1.0	1.0	0,28
		59.6	2.48e-02	2.86e-02	1.70e-02	220,52,52	2.67e-03	1.0	1.0	0,52
391 ok	T,s=2,m=78	0.0	2.61e-02	2.86e-02	8.61e-03	220,52,51	3.51e-03	1.0	1.0	0,227
		59.6	4.10e-02	3.54e-02	1.84e-02	220,52,52	3.50e-03	1.0	1.0	0,223
392 ok	T,s=2,m=78	0.0	2.23e-02	6.09e-02	3.27e-02	220,52,51	7.61e-03	1.0	1.0	0,52
		53.6	2.77e-02	6.72e-02	5.05e-02	220,52,52	8.42e-03	1.0	1.0	0,52
393 ok	T,s=2,m=78	0.0	2.93e-02	6.72e-02	1.06e-02	220,52,51	8.16e-03	1.0	1.0	0,52
		53.6	3.84e-02	9.67e-02	9.44e-02	174,52,52	1.30e-02	1.0	1.0	0,52
394 ok	T,s=2,m=78	0.0	5.30e-02	6.22e-02	1.78e-02	223,52,207	9.54e-03	1.0	1.0	0,226
		52.6	5.13e-02	9.56e-02	0.1	205,52,52	1.17e-02	1.0	1.0	0,52
395 ok	T,s=2,m=78	0.0	4.99e-02	9.55e-02	3.34e-02	209,52,51	9.71e-03	1.0	1.0	0,52
		52.6	5.87e-02	0.1	4.85e-02	209,52,52	1.08e-02	1.0	1.0	0,52
396 ok	T,s=2,m=78	0.0	0.1	9.56e-02	2.47e-02	52,51,51	1.02e-02	1.0	1.0	0,52
		52.6	0.1	0.1	6.07e-02	52,51,52	1.30e-02	1.0	1.0	0,52
397 ok	T,s=2,m=78	0.0	0.1	0.1	1.42e-02	52,28,51	1.30e-02	1.0	1.0	0,52
		52.6	0.1	0.1	8.23e-02	52,28,52	1.90e-02	1.0	1.0	0,52
398 ok	T,s=2,m=78	0.0	0.1	0.1	2.91e-02	52,28,51	1.90e-02	1.0	1.0	0,52
		52.6	0.1	0.1	5.35e-02	52,28,52	2.14e-02	1.0	1.0	0,52
399 ok	T,s=2,m=78	0.0	0.1	0.1	0.4	18,52,52	2.19e-02	1.0	1.0	0,52
		57.6	2.99e-02	3.23e-02	4.02e-02	222,52,229	3.09e-03	1.0	1.0	0,223
400 ok	T,s=2,m=78	0.0	2.94e-02	3.23e-02	0.4	226,52,52	5.07e-03	1.0	1.0	0,223
		47.5	4.95e-02	7.26e-02	5.86e-02	204,52,52	8.45e-03	1.0	1.0	0,52
401 ok	T,s=2,m=78	0.0	5.07e-02	7.26e-02	0.3	204,52,52	6.02e-03	1.0	1.0	0,52
		56.3	0.1	0.2	3.02e-02	22,52,229	3.32e-02	1.0	1.0	0,52
402 ok	T,s=2,m=78	0.0	0.1	0.2	4.60e-02	18,52,51	3.29e-02	1.0	1.0	0,52
		56.3	0.1	0.2	4.84e-02	18,52,52	3.25e-02	1.0	1.0	0,52
403 ok	T,s=2,m=78	0.0	0.1	0.2	6.92e-03	22,52,204	3.27e-02	1.0	1.0	0,52
		56.3	7.47e-02	0.1	0.2	22,52,52	1.64e-02	1.0	1.0	0,52
404 ok	T,s=2,m=78	0.0	3.86e-02	0.1	5.55e-02	20,52,59	1.72e-02	1.0	1.0	0,52
		56.3	9.15e-03	5.46e-02	0.4	19,226,52	3.60e-03	1.0	1.0	0,225
405 ok	T,s=2,m=78	0.0	5.30e-02	5.45e-02	2.95e-02	225,226,233	3.80e-03	1.0	1.0	0,226
		56.3	9.09e-02	5.24e-02	0.2	52,220,52	7.73e-03	1.0	1.0	0,52
406 ok	T,s=2,m=78	0.0	8.88e-02	7.01e-02	1.93e-02	52,35,51	7.73e-03	1.0	1.0	0,52
		56.3	0.1	9.00e-02	8.45e-02	52,35,52	1.23e-02	1.0	1.0	0,52
407 ok	T,s=2,m=78	0.0	8.88e-02	9.94e-02	4.49e-02	4,52,52	1.01e-02	1.0	1.0	0,52
		56.3	8.94e-02	9.99e-02	4.59e-02	4,52,51	1.02e-02	1.0	1.0	0,52
408 ok	T,s=2,m=78	0.0	3.78e-02	4.68e-02	1.13e-02	52,232,235	2.99e-03	1.0	1.0	0,232
		56.3	0.1	8.42e-02	0.2	52,27,52	9.88e-03	1.0	1.0	0,52
409 ok	T,s=2,m=78	0.0		0.1	6.69e-02	0,52,52	1.27e-02	1.0	1.0	0,52
		56.3		4.68e-02	0.5	0,232,52	4.17e-03	1.0	1.0	0,232
410 ok	T,s=2,m=78	0.0	0.1	0.2	3.76e-03	18,52,219	2.42e-02	1.0	1.0	0,52
		56.3	7.59e-02	0.1	0.1	18,52,52	1.13e-02	1.0	1.0	0,52
411 ok	T,s=2,m=78	0.0	0.1	0.2	4.79e-02	18,52,51	2.36e-02	1.0	1.0	0,52
		56.3	0.1	0.2	4.40e-02	18,52,52	2.39e-02	1.0	1.0	0,52
412 ok	T,s=2,m=78	0.0	4.77e-02	6.38e-02	0.3	220,52,52	7.90e-03	1.0	1.0	0,235
		56.3	8.60e-02	0.2	1.42e-02	21,52,235	2.53e-02	1.0	1.0	0,52
413 ok	T,s=2,m=78	0.0	3.15e-02	6.05e-02	8.80e-02	9,231,232	1.22e-02	1.0	1.0	0,235
		47.5	5.16e-02	6.38e-02	5.11e-02	18,52,235	9.55e-03	1.0	1.0	0,235
414 ok	T,s=2,m=78	0.0	0.1	0.1	0.6	4,52,52	1.52e-02	1.0	1.0	0,52
		57.6	3.74e-02	6.10e-02	0.1	11,231,59	8.61e-03	1.0	1.0	0,235
415 ok	T,s=2,m=78	0.0	0.1	9.71e-02	5.13e-02	52,43,52	1.70e-02	1.0	1.0	0,52
		52.6	0.1	9.07e-02	3.04e-02	52,43,51	1.51e-02	1.0	1.0	0,52
416 ok	T,s=2,m=78	0.0	0.1	8.74e-02	1.75e-02	52,44,51	1.23e-02	1.0	1.0	0,52
		52.6	0.1	0.1	7.27e-02	52,44,52	1.70e-02	1.0	1.0	0,52
417 ok	T,s=2,m=78	0.0	9.90e-02	8.80e-02	2.48e-02	52,28,51	9.74e-03	1.0	1.0	0,52
		52.6	0.1	9.95e-02	5.92e-02	52,28,52	1.23e-02	1.0	1.0	0,52
418 ok	T,s=2,m=78	0.0	4.93e-02	9.42e-02	3.43e-02	229,52,51	9.31e-03	1.0	1.0	0,52
		52.6	5.39e-02	9.87e-02	4.64e-02	229,52,52	1.02e-02	1.0	1.0	0,52
419 ok	T,s=2,m=78	0.0	5.55e-02	6.79e-02	1.26e-02	235,52,51	9.95e-03	1.0	1.0	0,232
		52.6	5.29e-02	9.42e-02	8.80e-02	229,52,52	1.12e-02	1.0	1.0	0,232
420 ok	T,s=2,m=78	0.0	2.97e-02	6.48e-02	1.14e-02	204,52,51	7.47e-03	1.0	1.0	0,52
		53.6	5.00e-02	9.33e-02	9.22e-02	204,52,52	1.20e-02	1.0	1.0	0,52
421 ok	T,s=2,m=78	0.0	2.17e-02	5.91e-02	3.35e-02	188,52,51	7.10e-03	1.0	1.0	0,52
		53.6	2.61e-02	6.48e-02	4.97e-02	188,52,52	7.81e-03	1.0	1.0	0,52

422 ok	T,s=2,m=78	0.0	1.72e-02	4.29e-02	1.04e-02	213,52,52				1.27e-02	1.0	1.0	0,207
		53.6	1.67e-02	4.36e-02	1.08e-02	200,52,52				1.27e-02	1.0	1.0	0,207
423 ok	T,s=2,m=78	0.0	2.05e-02	4.36e-02	1.88e-02	216,52,230				1.59e-02	1.0	1.0	0,207
		53.6	3.31e-02	5.09e-02	1.64e-02	204,219,229				1.65e-02	1.0	1.0	0,207
424 ok	T,s=2,m=78	0.0	7.84e-02	5.52e-02	4.89e-02	209,217,209				2.37e-02	1.0	1.0	0,230
		59.6	4.97e-02	5.35e-02	9.23e-02	215,52,210				2.53e-02	1.0	1.0	0,230
425 ok	T,s=2,m=78	0.0	5.13e-02	5.35e-02	1.65e-02	207,52,52				1.51e-02	1.0	1.0	0,232
		59.6	6.00e-02	4.89e-02	1.02e-02	211,52,51				1.38e-02	1.0	1.0	0,232
426 ok	T,s=2,m=78	0.0	5.73e-02	4.89e-02	1.76e-02	211,52,52				9.91e-03	1.0	1.0	0,220
		59.6	5.19e-02	4.32e-02	9.37e-03	207,52,51				9.86e-03	1.0	1.0	0,204
427 ok	T,s=2,m=78	0.0	5.00e-02	4.32e-02	1.72e-02	207,52,52				8.56e-03	1.0	1.0	0,220
		59.6	4.46e-02	3.82e-02	9.69e-03	207,52,51				8.55e-03	1.0	1.0	0,220
428 ok	T,s=2,m=78	0.0	4.31e-02	3.82e-02	3.90e-02	207,52,52				7.14e-03	1.0	1.0	0,204
		59.6	1.95e-02	2.26e-02	1.37e-02	211,232,204				7.44e-03	1.0	1.0	0,204
429 ok	T,s=2,m=78	0.0	2.65e-02	2.19e-02	0.3	230,216,235				8.21e-03	1.0	1.0	0,209
		22.4	8.49e-02	8.07e-02	0.2	207,235,235				9.94e-03	1.0	1.0	0,229
430 ok	T,s=2,m=78	0.0	8.25e-02	8.00e-02	2.55e-02	207,235,228				1.09e-02	1.0	1.0	0,235
		37.2	4.34e-02	4.18e-02	3.56e-02	207,235,231				8.95e-03	1.0	1.0	0,229
431 ok	T,s=2,m=78	0.0	4.24e-02	4.18e-02	1.17e-02	207,235,216				8.06e-03	1.0	1.0	0,229
		59.6	1.00e-02	3.61e-03	3.55e-02	230,235,52				7.25e-03	1.0	1.0	0,229
432 ok	T,s=2,m=78	0.0	9.05e-03	3.54e-03	6.11e-02	230,235,51				6.96e-03	1.0	1.0	0,229
		59.6	1.36e-02	1.43e-02	2.48e-02	210,52,52				7.02e-03	1.0	1.0	0,229
433 ok	T,s=2,m=78	0.0	1.37e-02	1.43e-02	9.25e-03	210,52,51				7.42e-03	1.0	1.0	0,229
		59.6	1.71e-02	2.08e-02	1.84e-02	210,52,52				7.46e-03	1.0	1.0	0,229
434 ok	T,s=2,m=78	0.0	1.62e-02	2.08e-02	1.04e-02	210,52,51				6.76e-03	1.0	1.0	0,229
		59.6	2.12e-02	2.50e-02	1.64e-02	230,52,52				6.71e-03	1.0	1.0	0,229
435 ok	T,s=2,m=78	0.0	2.06e-02	2.50e-02	9.90e-03	230,52,51				6.26e-03	1.0	1.0	0,233
		59.6	3.02e-02	2.98e-02	1.68e-02	230,52,52				6.21e-03	1.0	1.0	0,233
436 ok	T,s=2,m=78	0.0	2.98e-02	2.98e-02	8.68e-03	230,52,51				6.00e-03	1.0	1.0	0,233
		59.6	4.46e-02	3.68e-02	1.84e-02	230,52,52				6.00e-03	1.0	1.0	0,229
437 ok	T,s=3,m=78	0.0	2.33e-02	1.32e-02	3.41e-03	208,219,219				4.37e-04	1.0	1.0	0,216
		60.0	1.68e-02	1.19e-02	3.63e-03	49,219,208				4.34e-04	1.0	1.0	0,231
438 ok	T,s=3,m=78	0.0	2.39e-02	1.28e-02	9.82e-03	214,235,213				2.36e-03	1.0	1.0	0,209
		60.0	5.85e-02	5.12e-02	1.03e-02	214,216,213				4.69e-03	1.0	1.0	0,213
439 ok	T,s=3,m=78	0.0	2.71e-02	1.52e-02	5.10e-03	208,225,219				1.96e-03	1.0	1.0	0,231
		60.0	1.72e-02	1.20e-02	4.79e-03	49,219,219				2.03e-03	1.0	1.0	0,231
440 ok	T,s=3,m=78	0.0	2.32e-02	1.24e-02	1.14e-02	206,235,216				2.68e-03	1.0	1.0	0,221
		60.0	5.70e-02	5.56e-02	1.19e-02	214,213,216				4.77e-03	1.0	1.0	0,205
441 ok	T,s=3,m=78	0.0	2.72e-02	1.70e-02	4.70e-03	216,225,219				8.50e-04	1.0	1.0	0,221
		60.0	1.86e-02	1.08e-02	4.40e-03	49,227,219				8.66e-04	1.0	1.0	0,227
442 ok	T,s=3,m=78	0.0	2.23e-02	1.16e-02	9.71e-03	214,235,216				4.57e-03	1.0	1.0	0,209
		60.0	5.24e-02	5.50e-02	1.03e-02	214,216,216				7.33e-03	1.0	1.0	0,205
443 ok	T,s=3,m=78	0.0	9.54e-03	1.08e-02	1.54e-03	204,49,213				3.68e-03	1.0	1.0	0,207
		60.0	8.58e-03	8.77e-03	1.58e-03	220,43,213				3.68e-03	1.0	1.0	0,207
444 ok	T,s=3,m=78	0.0		1.56e-02	2.44e-03	0,219,205				5.19e-03	1.0	1.0	0,211
		60.0		3.41e-02	2.63e-03	0,214,205				5.99e-03	1.0	1.0	0,211
445 ok	T,s=3,m=78	0.0	1.00e-02	1.25e-02	1.38e-03	205,49,218				1.68e-03	1.0	1.0	0,211
		60.0	8.07e-03	9.50e-03	1.38e-03	208,43,218				1.68e-03	1.0	1.0	0,211
446 ok	T,s=3,m=78	0.0	0.2	0.2	4.48e-02	216,214,211	0.2	1.0	0.9	3.90e-02	1.0	1.0	219,219
		240.0	0.1	0.2	4.05e-02	216,214,211	0.2	1.0	0.9	2.54e-02	1.0	1.0	219,219
447 ok	T,s=3,m=78	0.0		2.13e-02	1.44e-03	0,205,218				5.32e-03	1.0	1.0	0,205
		60.0		1.53e-02	1.40e-03	0,49,218				5.12e-03	1.0	1.0	0,49
448 ok	T,s=3,m=78	0.0	2.06e-02	1.19e-02	3.18e-03	49,219,208				7.30e-04	1.0	1.0	0,211
		60.0	3.53e-02	3.44e-02	3.41e-03	214,219,208				1.75e-03	1.0	1.0	0,211
449 ok	T,s=3,m=78	0.0		1.51e-02	2.64e-03	0,216,206				3.79e-03	1.0	1.0	0,49
		60.0		1.56e-02	2.66e-03	0,219,205				3.86e-03	1.0	1.0	0,49
450 ok	T,s=3,m=78	0.0	1.08e-02	1.25e-02	1.35e-03	228,49,209				2.17e-03	1.0	1.0	0,52
		60.0	7.00e-03	1.07e-02	1.39e-03	228,49,209				2.15e-03	1.0	1.0	0,52
451 ok	T,s=3,m=78	0.0		1.43e-02	3.36e-03	0,213,214				3.72e-03	1.0	1.0	0,52
		60.0		1.55e-02	3.29e-03	0,219,213				3.72e-03	1.0	1.0	0,52
452 ok	T,s=3,m=78	0.0	1.11e-02	1.32e-02	1.56e-03	228,49,213				3.08e-03	1.0	1.0	0,223
		60.0	6.23e-03	1.08e-02	1.62e-03	220,49,213				3.08e-03	1.0	1.0	0,231
453 ok	T,s=3,m=78	0.0		1.57e-02	2.64e-03	0,205,214				3.29e-03	1.0	1.0	0,49
		60.0		1.43e-02	2.44e-03	0,218,214				3.28e-03	1.0	1.0	0,49
454 ok	T,s=3,m=78	0.0		1.53e-02	1.39e-03	0,49,218				3.58e-03	1.0	1.0	0,49
		60.0		1.25e-02	1.38e-03	0,49,218				3.51e-03	1.0	1.0	0,49
455 ok	T,s=3,m=78	0.0	5.89e-02	5.51e-02	1.73e-02	214,216,216				1.57e-02	1.0	1.0	0,213
		60.0	0.1	0.1	1.81e-02	214,213,216				2.55e-02	1.0	1.0	0,213
456 ok	T,s=3,m=78	0.0	3.57e-02	1.20e-02	7.64e-03	216,219,216				2.49e-03	1.0	1.0	0,219
		60.0	1.83e-02	1.71e-02	8.12e-03	216,219,216				2.63e-03	1.0	1.0	0,219
457 ok	T,s=3,m=78	0.0	5.99e-02	4.10e-02	6.19e-03	216,219,219				6.73e-03	1.0	1.0	0,219
		60.0	3.36e-02	1.21e-02	5.82e-03	216,219,219				5.34e-03	1.0	1.0	0,215
458 ok	T,s=3,m=78	0.0	2.20e-02	1.06e-02	4.17e-03	218,235,211				5.22e-03	1.0	1.0	0,217
		60.0	4.43e-02	2.43e-02	3.91e-03	214,235,211				5.44e-03	1.0	1.0	0,213
459 ok	T,s=3,m=78	0.0	4.65e-02	4.37e-02	4.98e-03	216,219,219				2.92e-03	1.0	1.0	0,211

		60.0	2.38e-02	1.32e-02	4.61e-03	208,219,219				1.23e-03	1.0	1.0	0,211
460 ok	T,s=3,m=78	0.0	2.57e-02	2.53e-02	7.92e-03	216,213,213				1.48e-03	1.0	1.0	0,233
		60.0	2.26e-02	1.28e-02	8.36e-03	214,235,213				1.47e-03	1.0	1.0	0,233
461 ok	T,s=3,m=78	0.0	5.32e-02	4.37e-02	6.76e-03	216,219,219				3.48e-03	1.0	1.0	0,211
		60.0	2.77e-02	1.52e-02	6.38e-03	208,225,219				2.37e-03	1.0	1.0	0,231
462 ok	T,s=3,m=78	0.0	2.85e-02	2.66e-02	9.25e-03	216,213,216				2.30e-03	1.0	1.0	0,221
		60.0	2.21e-02	1.24e-02	9.73e-03	206,235,216				1.99e-03	1.0	1.0	0,221
463 ok	T,s=3,m=78	0.0	3.69e-03	1.43e-02	2.44e-03	212,218,214				4.00e-03	1.0	1.0	0,49
		60.0	2.20e-02	3.18e-02	2.24e-03	216,214,214				4.70e-03	1.0	1.0	0,219
464 ok	T,s=3,m=78	0.0	9.65e-03	1.07e-02	1.34e-03	208,49,209				3.19e-03	1.0	1.0	0,211
		60.0	8.90e-03	8.89e-03	1.37e-03	232,43,209				3.19e-03	1.0	1.0	0,211
465 ok	T,s=3,m=78	0.0	5.96e-02	5.12e-02	1.73e-02	214,216,213				5.92e-03	1.0	1.0	0,213
		60.0	0.1	0.1	1.80e-02	214,213,213				1.48e-02	1.0	1.0	0,213
466 ok	T,s=3,m=78	0.0	0.2	0.2	3.86e-02	214,213,219	0.2	1.0	0.9	3.63e-02	1.0	1.0	213,213
		240.0	0.1	0.1	4.02e-02	214,216,216	0.2	1.0	0.9	2.47e-02	1.0	1.0	213,213
467 ok	T,s=3,m=78	0.0	0.2	0.2	4.62e-02	216,219,214	0.2	1.0	0.9	4.20e-02	1.0	1.0	219,219
		240.0	0.1	0.2	4.30e-02	216,219,213	0.2	1.0	0.9	2.67e-02	1.0	1.0	219,219
468 ok	T,s=3,m=78	0.0	0.2	0.2	4.22e-02	214,216,213	0.2	1.0	0.9	4.32e-02	1.0	1.0	213,213
		240.0	0.1	0.2	4.66e-02	214,216,213	0.2	1.0	0.9	2.94e-02	1.0	1.0	213,213
469 ok	T,s=3,m=78	0.0	3.12e-02	3.23e-02	3.60e-03	219,212,214				5.28e-03	1.0	1.0	0,216
		60.0	9.68e-03	1.51e-02	4.31e-03	219,213,214				4.45e-03	1.0	1.0	0,216
470 ok	T,s=3,m=78	0.0	2.40e-03	1.60e-02	1.40e-03	218,212,209				3.31e-03	1.0	1.0	0,217
		60.0	4.22e-03	1.25e-02	1.46e-03	210,49,209				3.21e-03	1.0	1.0	0,217
471 ok	T,s=3,m=78	0.0	0.2	0.2	4.38e-02	216,213,213	0.2	1.0	0.9	4.05e-02	1.0	1.0	213,216
		240.0	0.2	0.2	4.81e-02	216,213,213	0.2	1.0	0.9	2.32e-02	1.0	1.0	213,216
472 ok	T,s=3,m=78	0.0	0.1	0.2	4.79e-02	214,216,213	0.2	1.0	0.9	4.76e-02	1.0	1.0	213,213
		240.0	0.1	0.2	5.25e-02	214,216,213	0.2	1.0	0.9	3.25e-02	1.0	1.0	213,213
473 ok	T,s=3,m=78	0.0	5.55e-02	5.10e-02	9.17e-03	209,207,210				7.56e-03	1.0	1.0	0,210
		60.0	2.52e-02	1.38e-02	8.67e-03	209,220,210				5.11e-03	1.0	1.0	0,210
474 ok	T,s=3,m=78	0.0	1.88e-02	1.20e-02	5.28e-03	49,228,209				1.24e-03	1.0	1.0	0,230
		60.0	2.28e-02	2.12e-02	5.59e-03	207,210,209				1.46e-03	1.0	1.0	0,230
475 ok	T,s=3,m=78	0.0	6.52e-02	5.01e-02	9.66e-03	209,210,207				9.48e-03	1.0	1.0	0,210
		60.0	3.06e-02	1.05e-02	9.17e-03	209,210,207				7.10e-03	1.0	1.0	0,210
476 ok	T,s=3,m=78	0.0	1.80e-02	1.15e-02	4.78e-03	49,220,209				1.83e-03	1.0	1.0	0,230
		60.0	2.32e-02	1.64e-02	5.11e-03	207,230,209				2.07e-03	1.0	1.0	0,230
477 ok	T,s=3,m=78	0.0	6.44e-02	4.44e-02	9.09e-03	209,210,207				6.65e-03	1.0	1.0	0,210
		60.0	2.93e-02	1.00e-02	8.65e-03	209,226,207				4.77e-03	1.0	1.0	0,210
478 ok	T,s=3,m=78	0.0	1.90e-02		4.06e-03	49,0,209				2.16e-04	1.0	1.0	0,49
		60.0	2.01e-02		4.39e-03	210,0,209				3.47e-04	1.0	1.0	0,210
479 ok	T,s=3,m=78	0.0		1.20e-02	1.95e-03	0,49,213				2.39e-03	1.0	1.0	0,49
		60.0		1.43e-02	1.95e-03	0,49,213				2.45e-03	1.0	1.0	0,49
480 ok	T,s=3,m=78	0.0		1.32e-02	2.62e-03	0,204,209				2.50e-03	1.0	1.0	0,49
		60.0		1.37e-02	2.81e-03	0,210,209				2.46e-03	1.0	1.0	0,49
481 ok	T,s=3,m=78	0.0	8.01e-03	1.07e-02	1.55e-03	223,49,213				2.35e-03	1.0	1.0	0,220
		60.0	1.17e-02	1.24e-02	1.55e-03	223,49,213				2.34e-03	1.0	1.0	0,220
482 ok	T,s=3,m=78	0.0	3.24e-03	1.45e-02	2.62e-03	227,209,204				2.59e-03	1.0	1.0	0,220
		60.0	1.27e-02	1.23e-02	2.84e-03	223,207,204				2.48e-03	1.0	1.0	0,224
483 ok	T,s=3,m=78	0.0	7.04e-03	1.05e-02	3.20e-03	227,49,43				1.70e-03	1.0	1.0	0,222
		60.0	1.03e-02	1.15e-02	3.19e-03	227,49,43				1.70e-03	1.0	1.0	0,49
484 ok	T,s=3,m=78	0.0		1.50e-02	3.26e-03	0,204,43				3.29e-03	1.0	1.0	0,49
		60.0		1.31e-02	3.42e-03	0,207,229				3.17e-03	1.0	1.0	0,49
485 ok	T,s=3,m=78	0.0	1.61e-02	1.80e-02	7.24e-03	207,204,210				1.15e-03	1.0	1.0	0,204
		60.0	3.13e-02	1.09e-02	6.79e-03	207,204,210				9.56e-04	1.0	1.0	0,204
486 ok	T,s=3,m=78	0.0	2.96e-02	1.11e-02	6.65e-03	207,204,209				4.58e-03	1.0	1.0	0,204
		60.0	5.32e-02	4.01e-02	7.02e-03	207,209,209				6.03e-03	1.0	1.0	0,204
487 ok	T,s=3,m=78	0.0	2.06e-02	1.94e-02	7.85e-03	209,204,207				3.10e-03	1.0	1.0	0,220
		60.0	3.03e-02	1.98e-02	7.42e-03	207,230,207				2.93e-03	1.0	1.0	0,220
488 ok	T,s=3,m=78	0.0	3.04e-02	1.50e-02	6.42e-03	207,234,209				6.83e-03	1.0	1.0	0,204
		60.0	5.34e-02	4.55e-02	6.82e-03	207,209,209				8.67e-03	1.0	1.0	0,204
489 ok	T,s=3,m=78	0.0	1.87e-02	2.01e-02	7.51e-03	229,209,207				2.66e-03	1.0	1.0	0,220
		60.0	2.96e-02	1.36e-02	7.12e-03	207,204,207				2.50e-03	1.0	1.0	0,220
490 ok	T,s=3,m=78	0.0	2.60e-02	1.47e-02	5.69e-03	207,209,209				5.45e-03	1.0	1.0	0,204
		60.0	4.62e-02	4.66e-02	6.09e-03	207,209,209				7.33e-03	1.0	1.0	0,204
491 ok	T,s=3,m=78	0.0		1.43e-02	1.95e-03	0,49,213				3.78e-03	1.0	1.0	0,49
		60.0		1.72e-02	1.96e-03	0,210,213				3.84e-03	1.0	1.0	0,49
492 ok	T,s=3,m=78	0.0	1.04e-02	1.37e-02	3.36e-03	225,210,204				2.60e-03	1.0	1.0	0,210
		60.0	2.40e-02	2.99e-02	3.60e-03	209,207,204				3.29e-03	1.0	1.0	0,210
493 ok	T,s=3,m=78	0.0	7.95e-03	1.24e-02	1.56e-03	231,49,219				2.66e-03	1.0	1.0	0,230
		60.0	7.46e-03	1.39e-02	1.57e-03	231,223,216				2.72e-03	1.0	1.0	0,230
494 ok	T,s=3,m=78	0.0	1.19e-02	1.24e-02	3.59e-03	227,223,204				2.93e-03	1.0	1.0	0,210
		60.0	2.93e-02	2.86e-02	3.87e-03	209,207,204				3.56e-03	1.0	1.0	0,210
495 ok	T,s=3,m=78	0.0	5.95e-03	1.15e-02	3.19e-03	233,49,43				2.10e-03	1.0	1.0	0,210
		60.0	8.00e-03	1.29e-02	3.20e-03	233,223,43				2.14e-03	1.0	1.0	0,210
496 ok	T,s=3,m=78	0.0	1.01e-02	1.31e-02	3.62e-03	231,207,229				2.95e-03	1.0	1.0	0,207
		60.0	2.89e-02	2.62e-02	3.81e-03	204,207,229				3.46e-03	1.0	1.0	0,207

497 ok	T,s=3,m=78	0.0	4.14e-02	1.09e-02	7.76e-03	207,204,210				7.16e-03	1.0	1.0	0,209
		60.0	7.91e-02	4.20e-02	7.35e-03	210,209,209				8.73e-03	1.0	1.0	0,209
498 ok	T,s=3,m=78	0.0	5.80e-02	4.01e-02	1.07e-02	207,209,209				1.13e-02	1.0	1.0	0,204
		60.0	9.04e-02	8.12e-02	1.13e-02	207,209,209				1.60e-02	1.0	1.0	0,204
499 ok	T,s=3,m=78	0.0	4.06e-02	1.30e-02	8.54e-03	207,204,210				9.24e-03	1.0	1.0	0,204
		60.0	7.74e-02	4.79e-02	8.08e-03	207,204,210				1.13e-02	1.0	1.0	0,204
500 ok	T,s=3,m=78	0.0	5.82e-02	4.55e-02	1.11e-02	207,209,209				1.47e-02	1.0	1.0	0,204
		60.0	8.94e-02	8.96e-02	1.17e-02	207,209,209				2.05e-02	1.0	1.0	0,204
501 ok	T,s=3,m=78	0.0	3.86e-02	1.65e-02	8.06e-03	207,234,207				9.70e-03	1.0	1.0	0,204
		60.0	7.16e-02	4.86e-02	7.65e-03	207,209,207				1.18e-02	1.0	1.0	0,204
502 ok	T,s=3,m=78	0.0	5.07e-02	4.67e-02	1.03e-02	210,209,209				1.35e-02	1.0	1.0	0,204
		60.0	7.91e-02	9.09e-02	1.08e-02	207,209,209				1.93e-02	1.0	1.0	0,204
503 ok	T,s=3,m=78	0.0		1.72e-02	1.97e-03	0,210,213				4.56e-03	1.0	1.0	0,49
		60.0		2.19e-02	1.97e-03	0,207,213				4.60e-03	1.0	1.0	0,207
504 ok	T,s=3,m=78	0.0	2.61e-02	2.99e-02	5.53e-03	209,207,204				3.39e-03	1.0	1.0	0,210
		60.0	5.50e-02	5.47e-02	5.88e-03	209,210,204				5.35e-03	1.0	1.0	0,210
505 ok	T,s=3,m=78	0.0	1.06e-02	1.39e-02	1.56e-03	221,223,213				3.38e-03	1.0	1.0	0,230
		60.0	1.33e-02	1.81e-02	1.58e-03	221,223,216				3.42e-03	1.0	1.0	0,230
506 ok	T,s=3,m=78	0.0	3.26e-02	2.86e-02	6.27e-03	209,207,204				3.98e-03	1.0	1.0	0,210
		60.0	6.47e-02	5.27e-02	6.67e-03	209,207,204				5.77e-03	1.0	1.0	0,210
507 ok	T,s=3,m=78	0.0	1.03e-02	1.29e-02	6.23e-03	231,223,43				2.54e-03	1.0	1.0	0,210
		60.0	1.31e-02	1.71e-02	3.23e-03	231,223,43				2.57e-03	1.0	1.0	0,210
508 ok	T,s=3,m=78	0.0	3.20e-02	2.62e-02	6.59e-03	204,207,209				3.50e-03	1.0	1.0	0,207
		60.0	6.50e-02	4.12e-02	6.99e-03	204,207,209				4.54e-03	1.0	1.0	0,207
509 ok	T,s=2,m=78	0.0	3.05e-03	9.19e-04	6.66e-04	204,233,49	1.08e-02	1.0	0.3	1.05e-02	1.0	1.0	207,207
		524.0	2.50e-03	7.80e-06	6.66e-04	204,207,49	1.05e-02	1.0	0.3	1.05e-02	1.0	1.0	207,207
510 ok	T,s=2,m=78	0.0	4.02e-03	1.86e-03	3.49e-03	218,217,220	9.82e-03	1.0	0.3	7.97e-03	1.0	1.0	217,217
		524.0	2.43e-03	3.53e-04	3.49e-03	218,217,220	8.31e-03	1.0	0.3	7.97e-03	1.0	1.0	217,217

Elem.	Ver N+M	Ver N-/M	Ver V/T	Ver N(s)	Kcy	Kcz	Ver M(s)	Kcrit(y)	Kcrit(z)
	0.20	0.21	1.46	0.21	0.97	0.27	0.05	1.00	1.00

Elem.	w,net R	w,net F	w,net P	Rif. cmb	Kdef	w,net Ri	w,net Fi	w,net Pi	Rif. cmb
1	0.3	0.2	0.2	75,103,107	0.8	0.5	0.4	0.4	75,103,107
2	0.4	0.3	0.3	68,103,107	0.8	0.8	0.7	0.6	68,103,107
3	0.7	0.5	0.5	68,98,107	0.8	1.2	1.1	1.0	68,103,107
4	0.4	0.3	0.3	68,103,107	0.8	0.8	0.7	0.6	68,103,107
5	0.2	0.2	0.1	68,103,107	0.8	0.4	0.3	0.3	68,103,107
6	0.1	8.25e-02	7.87e-02	68,103,107	0.8	0.2	0.2	0.2	68,103,107
7	6.11e-02	4.72e-02	4.48e-02	68,103,107	0.8	0.1	9.84e-02	8.66e-02	68,103,107
8	0.4	0.3	0.3	75,103,107	0.8	0.8	0.7	0.6	75,103,107
9	0.8	0.6	0.6	68,98,107	0.8	1.4	1.2	1.2	68,103,107
10	1.3	1.1	1.0	68,98,107	0.8	2.4	2.1	2.0	68,101,107
11	0.2	0.2	0.2	80,105,107	0.8	0.5	0.4	0.3	80,105,107
12	0.8	0.6	0.6	80,98,107	0.8	1.5	1.3	1.2	80,105,107
13	0.5	0.4	0.4	80,105,107	0.8	1.0	0.8	0.7	80,105,107
14	0.4	0.3	0.2	88,105,107	0.8	0.7	0.6	0.5	88,105,107
15	0.4	0.3	0.3	75,103,107	0.8	0.8	0.7	0.6	75,103,107
16	0.8	0.6	0.6	68,98,107	0.8	1.4	1.2	1.1	68,103,107
17	1.3	1.1	1.0	68,98,107	0.8	2.4	2.1	2.0	68,101,107
18	0.1	8.37e-02	7.88e-02	75,103,107	0.8	0.2	0.2	0.2	75,103,107
19	5.31e-02	3.88e-02	3.54e-02	75,103,107	0.8	9.75e-02	8.29e-02	6.62e-02	75,103,107
20	3.62e-02	2.88e-02	2.64e-02	79,98,107	0.8	6.53e-02	5.75e-02	5.51e-02	79,98,107
21	0.1	8.77e-02	8.26e-02	80,98,107	0.8	0.2	0.2	0.2	80,105,107
22	0.3	0.2	0.2	75,103,107	0.8	0.5	0.4	0.3	75,103,107
23	0.4	0.3	0.3	68,103,107	0.8	0.8	0.7	0.6	68,103,107
24	0.7	0.5	0.5	68,98,107	0.8	1.2	1.0	1.0	68,103,107
25	0.4	0.3	0.3	68,103,107	0.8	0.8	0.7	0.6	68,103,107
26	0.2	0.1	0.1	68,103,107	0.8	0.4	0.3	0.3	68,103,107
27	0.1	7.95e-02	7.56e-02	68,103,107	0.8	0.2	0.2	0.1	68,103,107
28	6.05e-02	4.61e-02	4.36e-02	68,103,107	0.8	0.1	9.68e-02	8.47e-02	68,103,107
29	2.01e-02	1.60e-02	1.47e-02	67,98,107	0.8	3.62e-02	3.18e-02	3.05e-02	67,98,107
30	4.88e-02	3.57e-02	3.30e-02	88,105,107	0.8	9.15e-02	7.63e-02	6.29e-02	88,105,107
31	9.24e-02	7.16e-02	6.79e-02	80,105,107	0.8	0.2	0.1	0.1	80,105,107
32	0.2	0.1	0.1	80,105,107	0.8	0.3	0.3	0.2	80,105,107
33	0.3	0.2	0.2	80,105,107	0.8	0.5	0.4	0.4	80,105,107
34	0.9	0.7	0.7	80,98,107	0.8	1.6	1.4	1.3	80,105,107
35	0.6	0.5	0.4	80,98,107	0.8	1.1	0.9	0.9	80,105,107
36	0.4	0.3	0.3	88,105,107	0.8	0.8	0.6	0.6	88,105,107
37	4.56e-02	3.69e-02	3.41e-02	67,98,107	0.8	8.22e-02	7.32e-02	7.04e-02	67,98,107
38	5.76e-02	4.56e-02	4.35e-02	80,105,107	0.8	0.1	9.36e-02	8.31e-02	80,105,107
39	9.97e-02	7.91e-02	7.62e-02	80,105,107	0.8	0.2	0.2	0.1	80,105,107
40	0.2	0.1	0.1	80,105,107	0.8	0.3	0.2	0.2	80,105,107

41	0.2	0.1	0.1	88,105,107	0.8	0.3	0.2	0.2	88,105,107
42	1.5	1.2	1.1	80,98,107	0.8	2.7	2.3	2.2	80,101,107
43	0.9	0.7	0.7	80,98,107	0.8	1.7	1.4	1.4	80,105,107
44	0.5	0.4	0.4	80,105,107	0.8	1.0	0.9	0.8	80,105,107
45	4.59e-02	3.72e-02	3.44e-02	67,98,107	0.8	8.28e-02	7.37e-02	7.09e-02	67,98,107
46	5.81e-02	4.59e-02	4.38e-02	80,105,107	0.8	0.1	9.43e-02	8.38e-02	80,105,107
47	9.91e-02	7.85e-02	7.56e-02	80,105,107	0.8	0.2	0.2	0.1	80,105,107
48	0.1	0.1	0.1	80,105,107	0.8	0.3	0.2	0.2	80,105,107
49	0.1	0.1	0.1	88,105,107	0.8	0.3	0.2	0.2	88,105,107
50	1.5	1.2	1.1	80,98,107	0.8	2.7	2.3	2.2	80,101,107
51	0.9	0.7	0.7	80,98,107	0.8	1.7	1.4	1.3	80,105,107
52	0.5	0.4	0.4	80,105,107	0.8	1.0	0.9	0.8	80,105,107
53	2.06e-02	1.65e-02	1.52e-02	67,98,107	0.8	3.72e-02	3.27e-02	3.14e-02	67,98,107
54	4.12e-02	2.88e-02	2.62e-02	88,105,107	0.8	7.73e-02	6.32e-02	5.02e-02	88,105,107
55	7.86e-02	5.95e-02	5.59e-02	88,105,107	0.8	0.1	0.1	0.1	88,105,107
56	0.1	0.1	0.1	80,105,107	0.8	0.3	0.2	0.2	80,105,107
57	0.1	8.82e-02	8.15e-02	75,103,107	0.8	0.2	0.2	0.2	75,103,107
58	0.1	7.98e-02	7.29e-02	74,103,107	0.8	0.2	0.2	0.1	74,103,107
59	9.49e-02	7.16e-02	6.65e-02	75,103,107	0.8	0.2	0.2	0.1	75,103,107
60	3.76e-02	2.66e-02	2.44e-02	72,98,107	0.8	6.77e-02	5.34e-02	5.11e-02	72,98,107
61	7.66e-02	5.13e-02	4.77e-02	80,98,107	0.8	0.1	0.1	9.74e-02	80,105,107
62	0.2	0.2	0.1	80,98,107	0.8	0.4	0.3	0.3	80,101,107
63	0.1	0.1	0.1	81,99,106	0.8	0.2	0.2	0.2	81,99,106
64	0.1	0.1	0.1	80,101,107	0.8	0.3	0.2	0.2	80,101,107
65	0.2	0.2	0.2	80,98,107	0.8	0.4	0.3	0.3	80,101,107
66	9.29e-02	7.74e-02	7.43e-02	80,98,107	0.8	0.2	0.2	0.1	80,101,107
67	7.09e-02	5.52e-02	5.20e-02	80,98,107	0.8	0.1	0.1	0.1	80,101,107
68	4.51e-02	2.72e-02	2.35e-02	80,98,107	0.8	8.56e-02	6.04e-02	5.41e-02	80,105,107
69	3.57e-02	3.39e-02	3.35e-02	72,102,106	0.8	6.42e-02	6.24e-02	6.02e-02	72,102,106
70	4.37e-02	2.34e-02	1.76e-02	80,98,107	0.8	8.10e-02	5.61e-02	5.03e-02	80,98,107
71	8.82e-02	7.62e-02	7.38e-02	81,99,106	0.8	0.2	0.1	0.1	81,99,106
72	0.1	9.23e-02	9.05e-02	81,99,106	0.8	0.2	0.2	0.2	81,99,106
73	0.1	0.1	9.99e-02	83,101,107	0.8	0.2	0.2	0.2	83,101,107
74	0.1	0.1	0.1	83,101,107	0.8	0.2	0.2	0.2	83,101,107
75	1.64e-02	1.51e-02	1.48e-02	68,98,107	0.8	2.98e-02	2.81e-02	2.77e-02	68,98,107
76	1.31e-02	1.25e-02	1.23e-02	81,99,106	0.8	2.37e-02	2.28e-02	2.22e-02	81,99,106
77	7.23e-02	6.73e-02	6.64e-02	83,101,107	0.8	0.1	0.1	0.1	83,101,107
78	6.28e-02	6.21e-02	6.19e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
79	3.80e-02	3.70e-02	3.67e-02	85,104,106	0.8	6.83e-02	6.73e-02	6.61e-02	85,104,106
80	6.89e-02	5.98e-02	5.81e-02	81,99,106	0.8	0.1	0.1	0.1	81,99,106
81	8.10e-02	7.50e-02	7.38e-02	81,99,106	0.8	0.1	0.1	0.1	81,99,106
82	7.45e-02	7.28e-02	7.25e-02	69,99,106	0.8	0.1	0.1	0.1	69,99,106
83	6.98e-02	6.64e-02	6.56e-02	72,102,106	0.8	0.1	0.1	0.1	72,102,106
84	6.23e-02	4.88e-02	4.63e-02	80,98,107	0.8	0.1	9.75e-02	9.12e-02	80,101,107
85	9.53e-02	8.00e-02	7.73e-02	80,98,107	0.8	0.2	0.2	0.1	80,101,107
86	0.2	0.2	0.2	80,98,107	0.8	0.4	0.3	0.3	80,101,107
87	0.1	0.1	0.1	88,105,107	0.8	0.2	0.2	0.2	88,105,107
88	7.83e-02	7.29e-02	7.19e-02	86,104,106	0.8	0.1	0.1	0.1	86,104,106
89	0.1	0.1	0.1	71,101,107	0.8	0.2	0.2	0.2	71,101,107
90	0.2	0.2	0.2	68,98,107	0.8	0.3	0.3	0.3	68,101,107
91	0.2	0.2	0.2	68,98,107	0.8	0.5	0.4	0.4	68,101,107
92	0.1	0.1	0.1	68,98,107	0.8	0.2	0.2	0.2	68,101,107
93	9.71e-02	7.95e-02	7.57e-02	68,98,107	0.8	0.2	0.2	0.1	68,101,107
94	7.86e-02	5.84e-02	5.41e-02	68,98,107	0.8	0.1	0.1	0.1	68,101,107
95	3.73e-02	3.67e-02	3.66e-02	72,102,106	0.8	6.71e-02	6.66e-02	6.59e-02	72,102,106
96	3.23e-02	3.06e-02	3.01e-02	72,102,106	0.8	5.82e-02	5.64e-02	5.42e-02	72,102,106
97	6.49e-02	3.96e-02	3.19e-02	79,98,107	0.8	0.1	8.98e-02	8.21e-02	79,98,107
98	7.28e-02	6.76e-02	6.66e-02	69,99,106	0.8	0.1	0.1	0.1	69,99,106
99	8.79e-02	8.39e-02	8.31e-02	69,99,106	0.8	0.2	0.2	0.1	69,99,106
100	9.83e-02	9.47e-02	9.40e-02	71,101,107	0.8	0.2	0.2	0.2	71,101,107
101	0.1	0.1	0.1	69,99,106	0.8	0.2	0.2	0.2	69,99,106
102	1.67e-02	1.55e-02	1.53e-02	71,101,107	0.8	3.03e-02	2.89e-02	2.76e-02	71,101,107
103	6.71e-03	6.45e-03	6.38e-03	85,104,106	0.8	1.21e-02	1.18e-02	1.15e-02	85,104,106
104	5.58e-02	5.33e-02	5.27e-02	68,98,107	0.8	0.1	9.76e-02	9.68e-02	68,101,107
105	7.17e-02	7.04e-02	7.01e-02	73,102,106	0.8	0.1	0.1	0.1	73,102,106
106	5.53e-02	5.26e-02	5.21e-02	73,102,106	0.8	0.1	9.61e-02	9.38e-02	73,102,106
107	4.07e-02	3.50e-02	3.42e-02	69,102,106	0.8	7.45e-02	6.57e-02	6.16e-02	69,102,106
108	4.61e-02	4.39e-02	4.35e-02	73,102,106	0.8	8.33e-02	8.04e-02	7.83e-02	73,102,106
109	5.72e-02	5.64e-02	5.62e-02	72,102,106	0.8	0.1	0.1	0.1	72,102,106
110	5.41e-02	5.37e-02	5.36e-02	85,104,106	0.8	9.74e-02	9.70e-02	9.65e-02	85,104,106
111	4.42e-02	4.31e-02	4.29e-02	85,104,106	0.8	7.96e-02	7.85e-02	7.71e-02	85,104,106
112	8.01e-02	6.47e-02	6.10e-02	68,98,107	0.8	0.1	0.1	0.1	68,101,107
113	9.54e-02	8.14e-02	7.81e-02	68,98,107	0.8	0.2	0.2	0.2	68,101,107
114	0.2	0.2	0.1	68,98,107	0.8	0.3	0.3	0.3	68,101,107
115	0.1	9.71e-02	9.63e-02	71,101,107	0.8	0.2	0.2	0.2	71,101,107

116	8.19e-02	7.50e-02	7.39e-02	69,102,106	0.8	0.1	0.1	0.1	69,102,106
117	0.4	0.4	0.3	68,98,107	0.8	0.8	0.7	0.7	68,101,107
118	0.2	0.2	0.1	68,98,107	0.8	0.4	0.3	0.3	68,101,107
119	4.13e-02	3.39e-02	3.17e-02	68,98,107	0.8	7.50e-02	6.61e-02	6.39e-02	68,98,107
120	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107
121	0.5	0.4	0.4	68,98,107	0.8	1.0	0.8	0.8	68,101,107
122	0.8	0.6	0.6	80,98,107	0.8	1.4	1.3	1.2	80,101,107
123	0.3	0.2	0.2	68,98,107	0.8	0.6	0.5	0.5	68,101,107
124	7.55e-02	6.20e-02	5.79e-02	68,98,107	0.8	0.1	0.1	0.1	68,98,107
125	0.4	0.3	0.3	68,98,107	0.8	0.8	0.7	0.6	68,101,107
126	0.8	0.7	0.6	68,98,107	0.8	1.5	1.3	1.2	68,101,107
127	0.8	0.7	0.6	68,98,107	0.8	1.5	1.3	1.3	68,101,107
128	0.3	0.3	0.3	68,98,107	0.8	0.6	0.5	0.5	68,101,107
129	7.63e-02	6.26e-02	5.85e-02	68,98,107	0.8	0.1	0.1	0.1	68,98,107
130	0.4	0.3	0.3	68,98,107	0.8	0.7	0.7	0.6	68,101,107
131	0.8	0.7	0.6	68,98,107	0.8	1.5	1.3	1.3	68,101,107
132	0.5	0.4	0.4	68,98,107	0.8	0.8	0.7	0.7	68,101,107
133	0.2	0.2	0.2	68,98,107	0.8	0.4	0.3	0.3	68,101,107
134	4.14e-02	3.40e-02	3.18e-02	68,98,107	0.8	7.52e-02	6.63e-02	6.41e-02	68,98,107
135	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.3	68,101,107
136	0.5	0.4	0.4	68,98,107	0.8	1.0	0.8	0.8	68,101,107
137	0.2	0.2	0.2	75,103,107	0.8	0.4	0.4	0.3	75,103,107
138	0.3	0.2	0.2	75,103,107	0.8	0.6	0.5	0.4	75,103,107
139	0.4	0.3	0.3	68,103,107	0.8	0.7	0.6	0.5	68,103,107
140	0.3	0.3	0.2	68,103,107	0.8	0.6	0.5	0.5	68,103,107
141	0.2	0.2	0.2	68,103,107	0.8	0.4	0.4	0.3	68,103,107
142	0.2	0.1	0.1	68,103,107	0.8	0.3	0.3	0.2	68,103,107
143	0.1	9.92e-02	9.45e-02	68,103,107	0.8	0.2	0.2	0.2	68,103,107
144	0.3	0.2	0.2	75,103,107	0.8	0.6	0.5	0.4	75,103,107
145	0.5	0.4	0.4	68,103,107	0.8	0.8	0.7	0.7	68,103,107
146	0.5	0.4	0.4	68,98,107	0.8	0.9	0.8	0.8	68,103,107
147	0.3	0.2	0.2	80,105,107	0.8	0.6	0.5	0.4	80,105,107
148	0.4	0.3	0.3	80,105,107	0.8	0.7	0.6	0.5	80,105,107
149	0.3	0.3	0.3	80,105,107	0.8	0.6	0.6	0.5	80,105,107
150	0.3	0.2	0.2	88,105,107	0.8	0.5	0.4	0.4	88,105,107
151	0.3	0.2	0.2	75,103,107	0.8	0.6	0.5	0.4	75,103,107
152	0.4	0.4	0.3	68,103,107	0.8	0.8	0.7	0.7	68,103,107
153	0.5	0.4	0.4	68,98,107	0.8	0.9	0.8	0.7	68,103,107
154	0.2	0.2	0.2	68,103,107	0.8	0.4	0.3	0.3	68,103,107
155	9.86e-02	7.47e-02	6.93e-02	75,103,107	0.8	0.2	0.2	0.1	75,103,107
156	4.59e-02	3.72e-02	3.44e-02	79,98,107	0.8	8.27e-02	7.37e-02	7.09e-02	79,98,107
157	8.35e-02	5.56e-02	5.14e-02	80,98,107	0.8	0.2	0.1	0.1	80,105,107
158	0.2	0.2	0.1	75,103,107	0.8	0.4	0.3	0.3	75,103,107
159	0.3	0.2	0.2	75,103,107	0.8	0.5	0.5	0.4	75,103,107
160	0.3	0.3	0.2	68,103,107	0.8	0.6	0.5	0.5	68,103,107
161	0.3	0.2	0.2	68,103,107	0.8	0.6	0.5	0.4	68,103,107
162	0.2	0.2	0.2	68,103,107	0.8	0.4	0.4	0.3	68,103,107
163	0.2	0.1	0.1	68,103,107	0.8	0.3	0.3	0.2	68,103,107
164	0.1	9.63e-02	9.16e-02	68,103,107	0.8	0.2	0.2	0.2	68,103,107
165	6.10e-02	4.26e-02	3.87e-02	88,105,107	0.8	0.1	9.21e-02	7.24e-02	88,105,107
166	8.90e-02	6.68e-02	6.23e-02	88,105,107	0.8	0.2	0.1	0.1	88,105,107
167	0.1	0.1	0.1	80,105,107	0.8	0.3	0.2	0.2	80,105,107
168	0.2	0.2	0.2	80,105,107	0.8	0.4	0.4	0.3	80,105,107
169	0.3	0.3	0.3	80,105,107	0.8	0.6	0.6	0.5	80,105,107
170	0.4	0.3	0.3	80,98,107	0.8	0.8	0.7	0.6	80,105,107
171	0.4	0.3	0.3	80,105,107	0.8	0.8	0.7	0.6	80,105,107
172	0.3	0.3	0.2	88,105,107	0.8	0.6	0.5	0.5	88,105,107
173	8.22e-02	6.43e-02	6.12e-02	88,105,107	0.8	0.2	0.1	0.1	88,105,107
174	0.1	8.80e-02	8.44e-02	80,105,107	0.8	0.2	0.2	0.2	80,105,107
175	0.2	0.1	0.1	80,98,107	0.8	0.3	0.3	0.3	80,105,107
176	0.3	0.2	0.2	80,98,107	0.8	0.5	0.5	0.4	80,105,107
177	0.5	0.4	0.4	80,98,107	0.8	0.9	0.7	0.7	80,105,107
178	0.6	0.5	0.5	80,98,107	0.8	1.1	1.0	0.9	80,105,107
179	0.6	0.5	0.4	80,98,107	0.8	1.1	0.9	0.9	80,105,107
180	0.4	0.3	0.3	80,105,107	0.8	0.8	0.7	0.6	80,105,107
181	8.41e-02	6.60e-02	6.29e-02	88,105,107	0.8	0.2	0.1	0.1	88,105,107
182	0.1	8.86e-02	8.50e-02	80,105,107	0.8	0.2	0.2	0.2	80,105,107
183	0.2	0.1	0.1	80,98,107	0.8	0.3	0.3	0.3	80,105,107
184	0.3	0.2	0.2	80,98,107	0.8	0.5	0.5	0.4	80,105,107
185	0.5	0.4	0.4	80,98,107	0.8	0.8	0.7	0.7	80,105,107
186	0.6	0.5	0.5	80,98,107	0.8	1.1	1.0	0.9	80,105,107
187	0.6	0.5	0.4	80,98,107	0.8	1.0	0.9	0.8	80,105,107
188	0.4	0.3	0.3	88,105,107	0.8	0.8	0.7	0.6	88,105,107
189	5.14e-02	3.35e-02	2.96e-02	88,105,107	0.8	9.55e-02	7.51e-02	5.56e-02	88,105,107
190	7.60e-02	5.46e-02	5.02e-02	88,105,107	0.8	0.1	0.1	9.61e-02	88,105,107

191	0.1	9.73e-02	9.15e-02	88,105,107	0.8	0.2	0.2	0.2	88,105,107
192	0.2	0.2	0.1	80,105,107	0.8	0.4	0.3	0.3	80,105,107
193	0.4	0.3	0.3	68,98,107	0.8	0.7	0.6	0.6	68,103,107
194	0.4	0.3	0.3	68,98,107	0.8	0.7	0.6	0.5	68,103,107
195	0.2	0.1	0.1	75,103,107	0.8	0.3	0.3	0.3	75,103,107
196	7.12e-02	4.67e-02	4.06e-02	74,103,107	0.8	0.1	0.1	7.31e-02	74,103,107
197	8.36e-02	5.03e-02	4.51e-02	80,105,107	0.8	0.2	0.1	9.45e-02	80,105,107
198	0.2	0.1	0.1	80,98,107	0.8	0.3	0.2	0.2	80,105,107
199	0.2	0.1	0.1	80,98,107	0.8	0.3	0.3	0.3	80,101,107
200	0.1	0.1	0.1	80,98,107	0.8	0.2	0.2	0.2	80,101,107
201	4.19e-02	4.11e-02	4.09e-02	86,104,106	0.8	7.55e-02	7.46e-02	7.37e-02	86,104,106
202	9.22e-02	7.77e-02	7.47e-02	80,98,107	0.8	0.2	0.2	0.1	80,101,107
203	8.32e-02	6.88e-02	6.58e-02	80,98,107	0.8	0.2	0.1	0.1	80,101,107
204	9.08e-02	9.03e-02	9.02e-02	79,105,107	0.8	0.2	0.2	0.2	79,105,107
205	2.38e-02	1.14e-02	8.95e-03	80,98,107	0.8	4.66e-02	3.15e-02	2.39e-02	80,101,107
206	5.77e-02	5.33e-02	5.22e-02	72,102,106	0.8	0.1	9.94e-02	9.39e-02	72,102,106
207	0.1	0.1	0.1	83,101,107	0.8	0.2	0.2	0.2	83,101,107
208	0.1	0.1	0.1	80,98,107	0.8	0.2	0.2	0.2	80,101,107
209	9.33e-02	8.38e-02	8.22e-02	80,98,107	0.8	0.2	0.2	0.2	80,101,107
210	3.80e-02	3.77e-02	3.76e-02	85,104,106	0.8	6.84e-02	6.81e-02	6.76e-02	85,104,106
211	4.38e-02	3.88e-02	3.76e-02	92,98,107	0.8	8.00e-02	7.43e-02	7.16e-02	92,101,107
212	3.46e-02	2.97e-02	2.85e-02	68,98,107	0.8	6.33e-02	5.76e-02	5.51e-02	68,101,107
213	0.1	0.1	0.1	83,101,107	0.8	0.2	0.2	0.2	83,101,107
214	2.46e-02	2.31e-02	2.27e-02	72,102,106	0.8	4.42e-02	4.27e-02	4.09e-02	72,102,106
215	8.13e-02	7.85e-02	7.78e-02	72,102,106	0.8	0.1	0.1	0.1	72,102,106
216	0.1	0.1	0.1	81,99,106	0.8	0.2	0.2	0.2	81,99,106
217	0.1	0.1	0.1	68,98,107	0.8	0.2	0.2	0.2	68,101,107
218	7.66e-02	7.04e-02	6.94e-02	80,101,107	0.8	0.1	0.1	0.1	80,101,107
219	6.48e-02	6.22e-02	6.15e-02	67,98,107	0.8	0.1	0.1	0.1	67,103,107
220	7.66e-03	5.10e-03	4.46e-03	72,102,106	0.8	1.38e-02	1.12e-02	8.02e-03	72,102,106
221	1.38e-02	9.04e-03	8.22e-03	80,105,107	0.8	2.68e-02	2.07e-02	1.66e-02	80,105,107
222	4.31e-02	3.83e-02	3.71e-02	72,102,106	0.8	7.76e-02	7.28e-02	6.69e-02	72,102,106
223	6.05e-02	5.79e-02	5.72e-02	74,103,107	0.8	0.1	0.1	0.1	74,103,107
224	0.1	0.1	0.1	67,98,107	0.8	0.2	0.2	0.2	67,103,107
225	0.2	0.2	0.2	80,98,107	0.8	0.3	0.3	0.3	80,105,107
226	0.1	0.1	0.1	80,98,107	0.8	0.2	0.2	0.2	80,101,107
227	0.2	0.2	0.2	68,98,107	0.8	0.5	0.4	0.4	68,101,107
228	7.81e-02	6.30e-02	6.01e-02	68,98,107	0.8	0.1	0.1	0.1	68,101,107
229	6.83e-02	5.35e-02	5.05e-02	68,98,107	0.8	0.1	0.1	0.1	68,101,107
230	3.26e-02	1.85e-02	1.79e-02	68,104,106	0.8	6.37e-02	3.96e-02	3.22e-02	68,101,106
231	1.96e-02	1.08e-02	1.05e-02	80,102,106	0.8	3.82e-02	2.43e-02	1.89e-02	80,101,106
232	4.58e-02	4.55e-02	4.54e-02	85,104,106	0.8	8.24e-02	8.21e-02	8.18e-02	85,104,106
233	5.21e-02	5.16e-02	5.14e-02	72,102,106	0.8	9.38e-02	9.32e-02	9.26e-02	72,102,106
234	0.1	0.1	0.1	79,98,107	0.8	0.2	0.2	0.2	79,105,107
235	0.1	0.1	0.1	80,98,107	0.8	0.2	0.2	0.2	80,105,107
236	6.79e-02	6.08e-02	5.93e-02	80,98,107	0.8	0.1	0.1	0.1	80,101,107
237	8.96e-02	8.84e-02	8.82e-02	69,102,106	0.8	0.2	0.2	0.2	69,102,106
238	1.48e-02	1.09e-02	1.02e-02	68,101,107	0.8	2.83e-02	2.39e-02	2.03e-02	68,101,107
239	5.10e-03	3.28e-03	3.19e-03	68,98,107	0.8	1.07e-02	6.54e-03	6.02e-03	68,101,107
240	0.1	0.1	0.1	68,98,107	0.8	0.2	0.2	0.2	68,101,107
241	2.37e-02	2.26e-02	2.23e-02	72,102,106	0.8	4.27e-02	4.16e-02	4.01e-02	72,102,106
242	6.29e-02	6.27e-02	6.27e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
243	6.79e-02	6.73e-02	6.71e-02	72,102,106	0.8	0.1	0.1	0.1	72,102,106
244	7.91e-02	7.50e-02	7.40e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
245	6.90e-02	6.73e-02	6.69e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
246	3.72e-02	3.55e-02	3.52e-02	80,105,107	0.8	6.76e-02	6.55e-02	6.40e-02	80,105,107
247	6.93e-02	4.15e-02	3.49e-02	68,98,107	0.8	0.1	9.71e-02	8.41e-02	68,101,107
248	4.33e-02	3.72e-02	3.56e-02	68,98,107	0.8	7.90e-02	7.11e-02	6.92e-02	68,101,107
249	5.26e-02	4.63e-02	4.48e-02	68,98,107	0.8	9.58e-02	8.77e-02	8.56e-02	68,101,107
250	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107
251	4.60e-02	4.58e-02	4.57e-02	85,104,106	0.8	8.27e-02	8.25e-02	8.23e-02	85,104,106
252	8.22e-02	8.22e-02	8.22e-02	89,97,106	0.8	0.1	0.1	0.1	89,97,106
253	0.4	0.4	0.3	67,98,107	0.8	0.8	0.7	0.7	68,98,107
254	0.8	0.7	0.6	67,98,107	0.8	1.5	1.4	1.3	68,98,107
255	0.8	0.7	0.6	67,98,107	0.8	1.5	1.4	1.3	67,98,107
256	0.4	0.4	0.3	68,98,107	0.8	0.8	0.7	0.7	79,98,107
257	0.2	0.2	0.1	74,103,107	0.8	0.4	0.3	0.3	74,103,107
258	0.3	0.2	0.2	75,103,107	0.8	0.5	0.4	0.4	75,103,107
259	0.3	0.2	0.2	75,103,107	0.8	0.6	0.5	0.4	75,103,107
260	0.3	0.2	0.2	68,103,107	0.8	0.5	0.5	0.4	68,103,107
261	0.2	0.2	0.2	68,103,107	0.8	0.4	0.4	0.3	68,103,107
262	0.2	0.1	0.1	68,103,107	0.8	0.3	0.3	0.3	68,103,107
263	0.1	0.1	0.1	68,103,107	0.8	0.3	0.2	0.2	68,103,107
264	0.3	0.2	0.2	74,103,107	0.8	0.5	0.5	0.4	74,103,107
265	0.4	0.3	0.3	68,103,107	0.8	0.7	0.6	0.5	68,103,107

266	0.4	0.3	0.3	68,103,107	0.8	0.7	0.6	0.6	68,103,107
267	0.3	0.2	0.2	80,105,107	0.8	0.5	0.4	0.4	80,105,107
268	0.3	0.2	0.2	80,105,107	0.8	0.6	0.5	0.4	80,105,107
269	0.3	0.2	0.2	88,105,107	0.8	0.6	0.5	0.4	88,105,107
270	0.3	0.2	0.2	88,105,107	0.8	0.5	0.4	0.4	88,105,107
271	0.3	0.2	0.2	74,103,107	0.8	0.5	0.5	0.4	74,103,107
272	0.4	0.3	0.3	68,103,107	0.8	0.7	0.6	0.5	68,103,107
273	0.4	0.3	0.3	68,103,107	0.8	0.7	0.6	0.6	68,103,107
274	0.2	0.2	0.2	68,103,107	0.8	0.4	0.4	0.3	68,103,107
275	0.1	8.62e-02	8.02e-02	75,103,107	0.8	0.2	0.2	0.2	75,103,107
276	3.59e-02	1.61e-02	1.12e-02	72,102,106	0.8	6.46e-02	4.48e-02	2.02e-02	72,102,106
277	8.52e-02	5.42e-02	4.98e-02	80,105,107	0.8	0.2	0.1	0.1	80,105,107
278	0.2	0.1	0.1	74,103,107	0.8	0.4	0.3	0.3	74,103,107
279	0.3	0.2	0.2	75,103,107	0.8	0.5	0.4	0.3	75,103,107
280	0.3	0.2	0.2	68,103,107	0.8	0.5	0.5	0.4	68,103,107
281	0.3	0.2	0.2	68,103,107	0.8	0.5	0.4	0.4	68,103,107
282	0.2	0.2	0.2	68,103,107	0.8	0.4	0.4	0.3	68,103,107
283	0.2	0.1	0.1	68,103,107	0.8	0.3	0.3	0.2	68,103,107
284	0.1	0.1	9.74e-02	68,103,107	0.8	0.3	0.2	0.2	68,103,107
285	6.85e-02	4.86e-02	4.42e-02	88,105,107	0.8	0.1	0.1	8.34e-02	88,105,107
286	0.1	7.83e-02	7.33e-02	88,105,107	0.8	0.2	0.2	0.1	88,105,107
287	0.2	0.1	0.1	80,105,107	0.8	0.3	0.3	0.2	80,105,107
288	0.2	0.2	0.2	80,105,107	0.8	0.4	0.4	0.3	80,105,107
289	0.3	0.2	0.2	80,105,107	0.8	0.6	0.5	0.5	80,105,107
290	0.4	0.3	0.3	80,105,107	0.8	0.7	0.6	0.5	80,105,107
291	0.4	0.3	0.3	80,105,107	0.8	0.7	0.6	0.5	80,105,107
292	0.3	0.2	0.2	88,105,107	0.8	0.6	0.5	0.4	88,105,107
293	8.53e-02	6.77e-02	6.41e-02	88,105,107	0.8	0.2	0.1	0.1	88,105,107
294	0.1	0.1	9.98e-02	80,105,107	0.8	0.2	0.2	0.2	80,105,107
295	0.2	0.2	0.2	80,98,107	0.8	0.4	0.3	0.3	80,105,107
296	0.3	0.3	0.2	80,98,107	0.8	0.6	0.5	0.5	80,105,107
297	0.4	0.3	0.3	80,98,107	0.8	0.8	0.7	0.6	80,105,107
298	0.5	0.4	0.4	80,98,107	0.8	0.9	0.8	0.7	80,105,107
299	0.5	0.4	0.4	80,98,107	0.8	0.9	0.8	0.7	80,105,107
300	0.4	0.3	0.3	79,105,107	0.8	0.7	0.7	0.6	79,105,107
301	8.74e-02	6.95e-02	6.60e-02	88,105,107	0.8	0.2	0.1	0.1	88,105,107
302	0.1	0.1	0.1	80,105,107	0.8	0.2	0.2	0.2	80,105,107
303	0.2	0.2	0.2	80,98,107	0.8	0.4	0.3	0.3	80,105,107
304	0.3	0.3	0.2	80,98,107	0.8	0.6	0.5	0.5	80,105,107
305	0.4	0.3	0.3	80,98,107	0.8	0.8	0.7	0.6	80,105,107
306	0.5	0.4	0.4	80,98,107	0.8	0.9	0.8	0.7	80,105,107
307	0.5	0.4	0.4	80,98,107	0.8	0.9	0.8	0.7	80,105,107
308	0.4	0.3	0.3	79,105,107	0.8	0.7	0.6	0.6	79,105,107
309	5.67e-02	3.74e-02	3.29e-02	88,105,107	0.8	0.1	8.47e-02	6.24e-02	88,105,107
310	8.84e-02	6.41e-02	5.90e-02	88,105,107	0.8	0.2	0.1	0.1	88,105,107
311	0.1	0.1	0.1	88,105,107	0.8	0.3	0.2	0.2	88,105,107
312	0.2	0.2	0.2	80,105,107	0.8	0.4	0.3	0.3	80,105,107
313	0.3	0.3	0.3	68,103,107	0.8	0.6	0.5	0.5	68,103,107
314	0.3	0.2	0.2	68,103,107	0.8	0.6	0.5	0.5	68,103,107
315	0.2	0.2	0.1	75,103,107	0.8	0.4	0.3	0.3	75,103,107
316	8.36e-02	5.63e-02	4.96e-02	74,103,107	0.8	0.2	0.1	8.99e-02	74,103,107
317	7.51e-02	4.13e-02	3.56e-02	88,105,107	0.8	0.1	0.1	7.62e-02	88,105,107
318	0.1	0.1	9.42e-02	80,98,107	0.8	0.3	0.2	0.2	80,105,107
319	0.2	0.1	0.1	67,98,107	0.8	0.3	0.3	0.3	67,98,107
320	0.2	0.2	0.2	80,98,107	0.8	0.3	0.3	0.3	80,101,107
321	0.2	0.2	0.2	80,98,107	0.8	0.4	0.3	0.3	80,101,107
322	0.1	8.96e-02	8.66e-02	80,98,107	0.8	0.2	0.2	0.2	80,101,107
323	9.07e-02	7.39e-02	7.10e-02	80,98,107	0.8	0.2	0.1	0.1	80,101,107
324	6.63e-02	4.63e-02	4.34e-02	88,98,107	0.8	0.1	9.73e-02	8.74e-02	88,101,107
325	8.35e-02	7.90e-02	7.79e-02	72,102,106	0.8	0.2	0.1	0.1	72,102,106
326	9.10e-02	8.66e-02	8.55e-02	72,102,106	0.8	0.2	0.2	0.2	72,102,106
327	0.1	0.1	0.1	67,98,107	0.8	0.2	0.2	0.2	67,103,107
328	0.1	0.1	0.1	67,98,107	0.8	0.2	0.2	0.2	67,98,107
329	0.1	0.1	0.1	68,98,107	0.8	0.2	0.2	0.2	68,98,107
330	0.1	0.1	0.1	67,98,107	0.8	0.2	0.2	0.2	67,98,107
331	3.55e-02	3.25e-02	3.20e-02	83,101,107	0.8	6.53e-02	6.12e-02	5.88e-02	83,101,107
332	2.25e-02	1.89e-02	1.83e-02	83,101,107	0.8	4.20e-02	3.71e-02	3.41e-02	83,101,107
333	5.87e-02	2.56e-02	2.53e-02	88,98,107	0.8	0.1	6.67e-02	4.67e-02	88,105,107
334	0.1	0.1	0.1	67,98,107	0.8	0.3	0.2	0.2	67,98,107
335	0.1	0.1	0.1	67,98,107	0.8	0.3	0.3	0.3	67,98,107
336	0.1	9.53e-02	9.31e-02	67,98,107	0.8	0.2	0.2	0.2	67,103,107
337	0.1	9.75e-02	9.62e-02	67,98,107	0.8	0.2	0.2	0.2	67,103,107
338	8.52e-02	8.21e-02	8.14e-02	72,102,106	0.8	0.2	0.2	0.1	72,102,106
339	6.68e-02	6.24e-02	6.13e-02	72,102,106	0.8	0.1	0.1	0.1	72,102,106
340	3.63e-02	2.56e-02	2.34e-02	80,98,107	0.8	6.80e-02	5.32e-02	4.91e-02	80,101,107

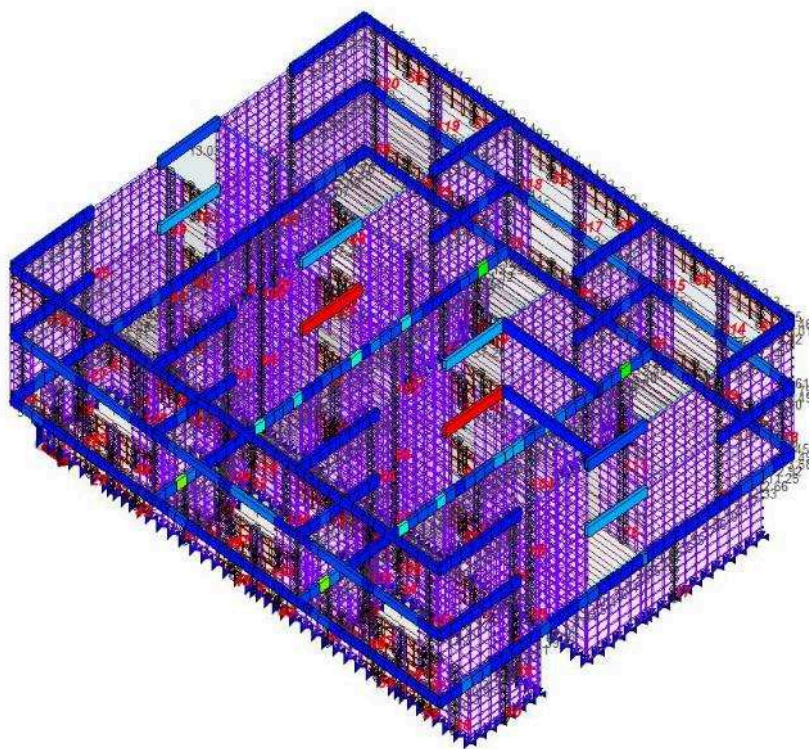
341	4.72e-02	3.74e-02	3.53e-02	80,98,107	0.8	8.73e-02	7.36e-02	7.03e-02	80,101,107
342	0.1	0.1	9.93e-02	80,98,107	0.8	0.2	0.2	0.2	80,101,107
343	0.3	0.2	0.2	80,98,107	0.8	0.5	0.4	0.4	80,101,107
344	0.3	0.2	0.2	80,98,107	0.8	0.5	0.4	0.4	80,98,107
345	0.3	0.3	0.2	92,98,107	0.8	0.5	0.5	0.5	92,98,107
346	0.3	0.2	0.2	68,98,107	0.8	0.5	0.5	0.4	68,101,107
347	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107
348	9.12e-02	7.53e-02	7.15e-02	68,98,107	0.8	0.2	0.1	0.1	68,101,107
349	7.85e-02	6.21e-02	5.83e-02	68,98,107	0.8	0.1	0.1	0.1	68,101,107
350	7.36e-02	5.46e-02	5.02e-02	68,98,107	0.8	0.1	0.1	0.1	68,101,107
351	4.74e-02	4.52e-02	4.47e-02	85,104,106	0.8	8.53e-02	8.31e-02	8.04e-02	85,104,106
352	4.43e-02	4.15e-02	4.08e-02	85,104,106	0.8	7.98e-02	7.70e-02	7.35e-02	85,104,106
353	3.61e-02	3.10e-02	2.97e-02	85,104,106	0.8	6.50e-02	5.98e-02	5.34e-02	85,104,106
354	0.1	0.1	0.1	79,98,107	0.8	0.2	0.2	0.2	79,105,107
355	0.1	0.1	0.1	79,98,107	0.8	0.2	0.2	0.2	79,105,107
356	0.1	0.1	0.1	79,98,107	0.8	0.2	0.2	0.2	79,105,107
357	0.1	0.1	0.1	79,98,107	0.8	0.2	0.2	0.2	79,105,107
358	1.36e-02	1.20e-02	1.17e-02	92,98,107	0.8	2.49e-02	2.32e-02	2.20e-02	92,101,107
359	1.97e-02	1.88e-02	1.86e-02	72,102,106	0.8	3.55e-02	3.46e-02	3.34e-02	72,102,106
360	5.17e-02	4.98e-02	4.95e-02	71,101,107	0.8	9.40e-02	9.13e-02	8.99e-02	71,101,107
361	8.20e-02	8.09e-02	8.06e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
362	6.73e-02	6.50e-02	6.44e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
363	6.54e-02	5.97e-02	5.86e-02	79,105,107	0.8	0.1	0.1	0.1	79,105,107
364	7.31e-02	7.05e-02	6.98e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
365	7.17e-02	6.94e-02	6.88e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
366	6.02e-02	5.77e-02	5.71e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
367	4.21e-02	3.95e-02	3.89e-02	85,104,106	0.8	7.58e-02	7.32e-02	6.99e-02	85,104,106
368	7.91e-02	6.58e-02	6.32e-02	68,98,107	0.8	0.1	0.1	0.1	68,101,107
369	9.76e-02	8.37e-02	8.09e-02	68,98,107	0.8	0.2	0.2	0.2	68,101,107
370	0.2	0.1	0.1	68,98,107	0.8	0.3	0.3	0.3	68,101,107
371	0.1	0.1	0.1	79,98,107	0.8	0.2	0.2	0.2	79,98,107
372	0.1	9.93e-02	9.79e-02	79,98,107	0.8	0.2	0.2	0.2	79,105,107
373	0.2	0.1	0.1	71,101,106	0.8	0.4	0.3	0.2	69,99,106
374	0.4	0.3	0.3	95,98,107	0.8	0.8	0.6	0.6	69,101,107
375	0.6	0.4	0.4	80,98,107	0.8	1.1	0.9	0.8	80,101,107
376	0.2	0.1	0.1	69,99,106	0.8	0.4	0.3	0.2	69,99,106
377	5.40e-02	3.73e-02	3.43e-02	68,103,107	0.8	0.1	8.36e-02	6.88e-02	68,103,107
378	0.1	8.21e-02	7.75e-02	68,98,107	0.8	0.2	0.2	0.2	68,103,107
379	0.3	0.2	0.2	68,98,107	0.8	0.6	0.5	0.5	68,101,107
380	0.1	8.37e-02	7.98e-02	68,98,107	0.8	0.2	0.2	0.2	68,101,107
381	2.27e-02	1.82e-02	1.68e-02	67,98,107	0.8	4.08e-02	3.63e-02	3.49e-02	67,98,107
382	5.58e-02	4.30e-02	4.14e-02	80,105,107	0.8	0.1	8.75e-02	7.94e-02	80,105,107
383	0.2	0.1	0.1	80,98,107	0.8	0.3	0.3	0.3	80,105,107
384	0.5	0.4	0.3	80,98,107	0.8	0.9	0.7	0.7	80,105,107
385	6.07e-02	4.34e-02	4.10e-02	68,103,107	0.8	0.1	9.32e-02	8.11e-02	68,103,107
386	5.18e-02	3.47e-02	3.12e-02	88,105,107	0.8	9.70e-02	7.66e-02	5.89e-02	88,105,107
387	4.77e-02	3.44e-02	3.20e-02	88,105,107	0.8	9.03e-02	7.33e-02	6.09e-02	88,105,107
388	2.99e-02	2.37e-02	2.20e-02	88,98,107	0.8	5.66e-02	4.69e-02	4.51e-02	88,98,107
389	2.78e-02	2.27e-02	2.11e-02	79,98,107	0.8	5.00e-02	4.49e-02	4.33e-02	79,98,107
390	2.69e-02	2.18e-02	2.02e-02	79,98,107	0.8	4.85e-02	4.32e-02	4.16e-02	79,98,107
391	3.05e-02	2.25e-02	2.09e-02	75,103,107	0.8	5.78e-02	4.84e-02	4.06e-02	75,103,107
392	4.50e-02	3.66e-02	3.38e-02	67,98,107	0.8	8.12e-02	7.25e-02	6.97e-02	67,98,107
393	4.16e-02	3.36e-02	3.10e-02	67,98,107	0.8	7.51e-02	6.67e-02	6.41e-02	67,98,107
394	0.4	0.3	0.3	68,98,107	0.8	0.7	0.6	0.6	68,101,107
395	0.1	0.1	0.1	68,98,107	0.8	0.3	0.2	0.2	68,101,107
396	3.59e-02	2.87e-02	2.64e-02	67,98,107	0.8	6.46e-02	5.73e-02	5.50e-02	67,98,107
397	0.1	9.14e-02	8.67e-02	80,98,107	0.8	0.2	0.2	0.2	80,101,107
398	0.4	0.3	0.3	80,98,107	0.8	0.7	0.6	0.6	80,101,107
399	1.1	0.8	0.8	80,98,107	0.8	2.0	1.7	1.6	80,101,107
400	1.1	0.9	0.8	80,98,107	0.8	2.0	1.8	1.7	80,101,107
401	0.9	0.7	0.7	80,98,107	0.8	1.6	1.4	1.3	80,101,107
402	0.1	0.1	0.1	80,98,107	0.8	0.3	0.2	0.2	80,101,107
403	0.4	0.3	0.3	68,98,107	0.8	0.7	0.6	0.6	68,101,107
404	0.9	0.7	0.7	68,98,107	0.8	1.6	1.4	1.3	68,101,107
405	0.8	0.6	0.6	80,98,107	0.8	1.4	1.2	1.1	80,101,107
406	0.4	0.3	0.3	80,98,107	0.8	0.8	0.7	0.6	80,101,107
407	0.3	0.2	0.2	80,98,107	0.8	0.5	0.4	0.4	80,101,107
408	0.6	0.5	0.5	80,98,107	0.8	1.1	1.0	0.9	80,101,107
409	0.9	0.7	0.7	80,98,107	0.8	1.6	1.4	1.4	80,101,107
410	0.4	0.3	0.3	80,98,107	0.8	0.7	0.6	0.6	80,101,107
411	9.43e-02	7.76e-02	7.26e-02	80,98,107	0.8	0.2	0.2	0.1	80,98,107
412	0.7	0.5	0.5	80,98,107	0.8	1.2	1.1	1.0	80,101,107
413	0.6	0.5	0.5	68,98,107	0.8	1.1	1.0	0.9	68,101,107
414	1.2	1.0	0.9	80,98,107	0.8	2.2	1.9	1.8	80,101,107
415	0.5	0.4	0.4	80,98,107	0.8	0.8	0.7	0.7	80,101,107

416	0.1	0.1	0.1	80,98,107	0.8	0.3	0.2	0.2	80,101,107
417	3.63e-02	2.89e-02	2.65e-02	67,98,107	0.8	6.53e-02	5.78e-02	5.54e-02	67,98,107
418	0.1	9.49e-02	9.07e-02	68,98,107	0.8	0.2	0.2	0.2	68,101,107
419	0.3	0.3	0.3	68,98,107	0.8	0.6	0.6	0.5	68,101,107
420	4.22e-02	3.41e-02	3.15e-02	67,98,107	0.8	7.61e-02	6.77e-02	6.50e-02	67,98,107
421	4.55e-02	3.69e-02	3.41e-02	67,98,107	0.8	8.19e-02	7.32e-02	7.04e-02	67,98,107
422	5.36e-02	3.78e-02	3.51e-02	68,103,107	0.8	0.1	8.33e-02	7.01e-02	68,103,107
423	0.1	8.39e-02	7.92e-02	68,103,107	0.8	0.2	0.2	0.2	68,103,107
424	0.3	0.2	0.2	68,98,107	0.8	0.6	0.5	0.4	68,101,107
425	9.55e-02	7.62e-02	7.27e-02	68,98,107	0.8	0.2	0.2	0.1	68,101,107
426	2.24e-02	1.80e-02	1.66e-02	67,98,107	0.8	4.04e-02	3.59e-02	3.45e-02	67,98,107
427	6.62e-02	5.17e-02	4.99e-02	80,98,107	0.8	0.1	0.1	9.57e-02	80,105,107
428	0.2	0.2	0.2	80,98,107	0.8	0.4	0.3	0.3	80,101,107
429	0.5	0.4	0.4	80,98,107	0.8	1.0	0.8	0.8	80,101,107
430	5.25e-02	3.68e-02	3.44e-02	68,103,107	0.8	0.1	8.05e-02	6.81e-02	68,103,107
431	6.75e-02	4.91e-02	4.55e-02	88,105,107	0.8	0.1	0.1	8.62e-02	88,105,107
432	6.04e-02	4.61e-02	4.36e-02	88,105,107	0.8	0.1	9.56e-02	8.32e-02	88,105,107
433	3.82e-02	2.86e-02	2.69e-02	88,105,107	0.8	7.23e-02	5.97e-02	5.12e-02	88,105,107
434	2.75e-02	2.24e-02	2.08e-02	79,98,107	0.8	4.95e-02	4.44e-02	4.27e-02	79,98,107
435	2.66e-02	2.15e-02	1.99e-02	79,98,107	0.8	4.79e-02	4.27e-02	4.10e-02	79,98,107
436	2.96e-02	2.19e-02	2.04e-02	75,103,107	0.8	5.58e-02	4.70e-02	3.93e-02	75,103,107
437	0.2	0.2	0.1	80,98,107	0.8	0.3	0.3	0.3	80,101,107
438	5.91e-02	5.53e-02	5.43e-02	72,102,106	0.8	0.1	0.1	9.78e-02	72,102,106
439	7.05e-02	6.99e-02	6.97e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
440	0.1	0.1	0.1	83,101,107	0.8	0.2	0.2	0.2	83,101,107
441	3.45e-02	1.42e-02	1.29e-02	80,102,106	0.8	6.82e-02	4.07e-02	3.09e-02	80,101,107
442	0.3	0.2	0.2	80,98,107	0.8	0.5	0.4	0.4	80,101,107
443	0.1	0.1	0.1	67,98,107	0.8	0.2	0.2	0.2	67,98,107
444	0.1	0.1	0.1	80,98,107	0.8	0.2	0.2	0.2	80,101,107
445	0.2	0.2	0.2	80,98,107	0.8	0.4	0.4	0.4	80,101,107
446	0.2	0.2	0.2	80,98,107	0.8	0.3	0.3	0.3	80,101,107
447	0.2	0.1	0.1	80,98,107	0.8	0.3	0.3	0.3	80,101,107
448	0.1	0.1	0.1	80,98,107	0.8	0.3	0.2	0.2	80,101,107
449	0.2	0.1	0.1	80,98,107	0.8	0.3	0.3	0.3	80,101,107
450	3.93e-02	3.45e-02	3.33e-02	72,102,106	0.8	7.08e-02	6.60e-02	6.00e-02	72,102,106
451	6.71e-02	6.64e-02	6.63e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
452	9.52e-02	9.22e-02	9.13e-02	67,98,107	0.8	0.2	0.2	0.2	67,98,107
453	3.44e-02	1.49e-02	1.13e-02	80,98,106	0.8	6.74e-02	4.13e-02	3.21e-02	80,101,107
454	0.2	0.2	0.2	80,98,107	0.8	0.4	0.3	0.3	80,101,107
455	0.2	0.2	0.2	80,98,107	0.8	0.4	0.4	0.4	80,101,107
456	0.2	0.2	0.2	80,98,107	0.8	0.4	0.4	0.4	80,101,107
457	4.81e-02	4.36e-02	4.24e-02	72,102,106	0.8	8.67e-02	8.21e-02	7.64e-02	72,102,106
458	6.70e-02	4.64e-02	4.26e-02	80,98,107	0.8	0.1	9.90e-02	8.89e-02	80,101,107
459	0.2	0.2	0.2	80,98,107	0.8	0.4	0.3	0.3	80,101,107
460	3.55e-02	3.14e-02	3.03e-02	72,102,106	0.8	6.39e-02	5.98e-02	5.46e-02	72,102,106
461	9.69e-02	9.59e-02	9.56e-02	86,104,106	0.8	0.2	0.2	0.2	86,104,106
462	0.1	0.1	0.1	83,101,107	0.8	0.2	0.2	0.2	83,101,107
463	5.64e-02	3.82e-02	3.46e-02	80,98,107	0.8	0.1	8.21e-02	7.38e-02	80,101,107
464	6.37e-02	5.91e-02	5.79e-02	72,102,106	0.8	0.1	0.1	0.1	72,102,106
465	6.97e-02	6.64e-02	6.56e-02	72,102,106	0.8	0.1	0.1	0.1	72,102,106
466	5.24e-02	4.83e-02	4.73e-02	72,102,106	0.8	9.43e-02	9.02e-02	8.51e-02	72,102,106
467	8.19e-02	8.15e-02	8.14e-02	85,104,106	0.8	0.1	0.1	0.1	85,104,106
468	0.1	0.1	0.1	83,101,107	0.8	0.2	0.2	0.2	83,101,107
469	0.2	0.2	0.2	80,98,107	0.8	0.3	0.3	0.3	80,101,107
470	3.22e-02	1.72e-02	1.50e-02	80,105,107	0.8	6.41e-02	4.02e-02	3.01e-02	80,101,107
471	3.03e-02	2.51e-02	2.38e-02	72,102,106	0.8	5.46e-02	4.94e-02	4.29e-02	72,102,106
472	0.3	0.2	0.2	80,98,107	0.8	0.5	0.4	0.4	80,101,107
473	0.3	0.2	0.2	68,98,107	0.8	0.5	0.4	0.4	68,101,107
474	4.47e-02	2.49e-02	2.05e-02	68,98,107	0.8	8.55e-02	6.16e-02	5.10e-02	68,101,107
475	9.87e-02	9.72e-02	9.70e-02	69,99,106	0.8	0.2	0.2	0.2	69,99,106
476	9.09e-02	8.77e-02	8.70e-02	68,98,107	0.8	0.2	0.2	0.2	68,101,107
477	4.98e-02	2.42e-02	1.89e-02	68,98,106	0.8	9.49e-02	6.40e-02	5.22e-02	68,101,107
478	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.3	68,101,107
479	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107
480	4.72e-02	2.79e-02	2.36e-02	68,98,107	0.8	8.96e-02	6.64e-02	5.64e-02	68,101,107
481	8.22e-02	8.05e-02	8.01e-02	79,98,107	0.8	0.1	0.1	0.1	79,105,107
482	8.33e-02	8.06e-02	8.01e-02	68,98,107	0.8	0.2	0.1	0.1	68,101,107
483	3.59e-02	1.49e-02	1.42e-02	68,104,106	0.8	7.13e-02	4.58e-02	3.20e-02	68,101,107
484	0.2	0.2	0.2	68,98,107	0.8	0.4	0.3	0.3	68,101,107
485	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107
486	3.54e-02	3.34e-02	3.29e-02	85,104,106	0.8	6.37e-02	6.17e-02	5.93e-02	85,104,106
487	7.29e-02	7.20e-02	7.18e-02	69,99,106	0.8	0.1	0.1	0.1	69,99,106
488	0.1	0.1	0.1	68,98,107	0.8	0.2	0.2	0.2	68,101,107
489	8.08e-02	5.38e-02	4.74e-02	68,98,107	0.8	0.2	0.1	0.1	68,101,107
490	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107

491	0.2	0.2	0.2	68,98,107	0.8	0.3	0.3	0.3	68,101,107
492	3.54e-02	2.75e-02	2.70e-02	75,104,106	0.8	6.55e-02	5.13e-02	4.86e-02	75,104,106
493	5.36e-02	5.21e-02	5.18e-02	79,98,107	0.8	9.68e-02	9.52e-02	9.41e-02	79,105,107
494	0.1	0.1	0.1	68,98,107	0.8	0.2	0.2	0.2	68,101,107
495	6.18e-02	4.07e-02	3.66e-02	68,98,107	0.8	0.1	9.24e-02	7.90e-02	68,101,107
496	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107
497	0.2	0.2	0.2	68,98,107	0.8	0.3	0.3	0.3	68,101,107
498	5.14e-02	5.01e-02	4.98e-02	85,104,106	0.8	9.26e-02	9.13e-02	8.97e-02	85,104,106
499	4.11e-02	4.05e-02	4.04e-02	69,102,106	0.8	7.41e-02	7.31e-02	7.26e-02	69,102,106
500	0.1	0.1	0.1	71,101,107	0.8	0.2	0.2	0.2	71,101,107
501	0.1	7.93e-02	7.33e-02	68,98,107	0.8	0.2	0.2	0.2	68,101,107
502	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107
503	0.1	0.1	0.1	68,98,107	0.8	0.3	0.2	0.2	68,101,107
504	4.92e-02	4.57e-02	4.51e-02	75,104,106	0.8	9.05e-02	8.41e-02	8.12e-02	75,104,106
505	5.77e-02	2.16e-02	2.14e-02	75,98,107	0.8	0.1	6.59e-02	3.92e-02	75,103,107
506	0.1	0.1	0.1	79,98,107	0.8	0.2	0.2	0.2	79,105,107
507	8.41e-02	6.47e-02	6.09e-02	68,98,107	0.8	0.2	0.1	0.1	68,101,107
508	0.2	0.2	0.2	68,98,107	0.8	0.4	0.4	0.4	68,101,107
509	0.4	0.3	0.3	80,98,107	0.8	0.7	0.6	0.6	80,101,107
510	0.3	0.3	0.3	80,98,107	0.8	0.6	0.5	0.5	80,101,107

Elem. w,net R w,net F w,net P

w,net Ri w,net Fi w,net Pi



PROGETTO
Sfruttamento (%)

145.86
136.17
126.48
116.78
107.09
97.40
87.70
78.01
68.32
58.62
48.93
39.24
29.54
19.85
10.16
0.46

Figura 21: Sfruttamento elementi D2 [%]

Aule_modulo1_def_03

19 VERIFICHE S.L. PANNELLI XLAM

19.1 LEGENDA TABELLA VERIFICHE S.L. PANNELLI XLAM

Il programma consente la verifica dei seguenti tipi di elementi:

1. gusci2. setti

L'esito delle verifiche è espresso con un codice come di seguito indicato:

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2578 DI 2790

ok: verifica con esito positivo
NV: verifica con esito negativo

Le verifiche sono condotte in ottemperanza alle NTC 17 Gennaio 2018 seguendo anche le indicazioni analitiche riportate nella norma tecnica UNI EN 1995-1-1:2005 "Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici" e nella norma tedesca DIN 1052 (D) - 2008.

Utilizzando il riferimento tecnico dell' Università di Monaco "Teilprojekt 15 - TP 15 Flächen aus Brettstapeln, Brettsper Holz und Verbundkonstruktionen" che permette di valutare in modo esaustivo il comportamento del pannello in presenza di significative deformazioni a taglio si è valutata in fase di verifica la migrazione degli sforzi dal "Piano B" al "Piano A" come previsto nell' appendice D parte 3 della norma tedesca DIN 1052 (D) - 2008.

In particolare le verifiche effettuate sono riconducibili a quanto previsto nell' appendice D e al capitolo 10.7 della DIN:

- 10.7.1 (127) tensoflessione
- 10.7.1 (128) pressoflessione
- 10.7.1 (129) taglio torsione
- 10.7.1 (130) trazione e taglio di rotolamento
- 10.7.1 (131) compressione e taglio di rotolamento
- App D. (26) momento torcente di incollaggio

Viene riportata un'ulteriore verifica (Mestek 5.4.5) in cui tutte le tensioni normali sono rapportate alla resistenza di progetto a flessione.

Le verifiche sono riportate in due distinte tabelle. Nella prima sono riportate le sollecitazioni sulle connessioni e le verifiche delle stesse. Nella seconda invece sono riportate le verifiche dei pannelli (raccolte per macroelementi e riportate ai nodi). Di seguito si esplicita il significato dei dati riportati nelle tabelle:

Setto/Guscio	Numero del macroelemento
Mat.	Materiale degli strati
N. strati	Numero di strati
Spessore	Spessore degli strati
Incoll.	Tavole incollate lungo il lato (si/no)
Direz. fibre	Inclinazione della direzione (0) rispetto all' asse X (per gusci)
Stato	Codice della verifica: ok verificato, NV non verificato
V.connes.	Codice della verifica delle connessioni: ok verificato, NV non verificato
V.Piede	Verifica delle connessioni alla base del pannello
Azione V	Taglio agente al piede del pannello
Rif.cmb	Combinazione di riferimento per la verifica delle connessioni al piede
V.testa	Verifica delle connessioni in testa al pannello
Azione V	Taglio agente in testa al pannello
Rif. Cmb	Combinazione di riferimento per la verifica delle connessioni in testa
V h-d	Verifica degli hold down
Azione N	Sforzo normale al piede del pannello
Azione M	Momento al piede del pannello
Rif. cmb	Combinazione di riferimento per la verifica degli hold down
Nodo	Numero del nodo per il quale si riportano le verifiche; prima riga direzione (0) seconda riga direzione (1)
V.127	Verifica come da DIN 10.7.1 (127) per tensoflessione
V.128	Verifica come da DIN 10.7.1 (128) per pressoflessione
V.545	Verifica come da riferimento tecnico dell' Università di Monaco Tp 15. (tensioni normali rapportate alla resistenza di progetto a flessione)

V.129	Verifica come da DIN 10.7.1 (129) per taglio torsione
V.130	Verifica come da DIN 10.7.1 (130) trazione e taglio di rotolamento
V.131	Verifica come da DIN 10.7.1 (131) compressione e taglio di rotolamento
M. D26	Momento torcente di incollaggio come da DIN App D. (26)
Fac. B-A	Fattore di riduzione della quota afferente al piano B in relazione alla deformabilità a taglio
Qsup. A	Quota afferente al piano A
Qsup. B	Quota afferente al piano B

A chiarimento delle verifiche riportate si precisa quanto segue.

Il programma consente la modellazione di pannelli XLAM con un numero di strati dispari di ugual spessore.

Gli strati sono costituiti da tavole che possono o meno essere incollate lungo il lato lungo.

Gli strati sono caratterizzati dai moduli E0, G0, E90, G90 e Gori, rispettivamente in direzione 0 (parallela alle fibre), 90 (ortogonale alle fibre) e orizzontale.

Per convenzione la direzione 0 del pannello è quella parallela alle fibre del primo (e ultimo) strato. La direzione 0 pertanto ha caratteristiche di resistenza e rigidezza superiore alla direzione 1. Il programma ipotizza che la direzione 0 sia verticale per i setti e inclinata rispetto all' asse X per i gusci (inclinazione settabile da criterio di progetto). In fase di verifica non esiste interazione tra direzione 0 e 1.

La peculiarità del pannello XLAM è data dalla presenza di strati molto deformabili a taglio (G90 è di un ordine di grandezza inferiore a G0) così da invalidare l' ipotesi di conservazione delle sezioni piane. L' appendice D della DIN 1052 (D) - 2008 fornisce indicazioni per la valutazione delle rigidezze e delle tensioni sui pannelli XLAM, anche considerando la cedevolezza a taglio degli strati. In sostanza le azioni di piastra vengono ripartite su due piani ideali A e B mentre le azioni di lastra sono riportate sul piano ideale C. La deformabilità a taglio regola la ripartizione tra i piani A e B. Utilizzando il riferimento tecnico dell' Università di Monaco “Teilprojekt 15 - TP 15 Flächen aus Brettstapeln, Brettsperrholz und Verbundkonstruktionen” si è implementato l' algoritmo di ripartizione indicato al cap. 5.4.2.3 basato sull' analogia del taglio per carico sinusoidale. In base a questa analogia la quota di carico afferente al piano B viene ridotta in funzione delle caratteristiche statiche del pacchetto di strati e della luce del pannello nella direzione di studio.

Per entrambe le direzioni 0 e 1 si avranno 8 componenti di sollecitazione:

- Momento flettente ripartito su piano A e piano B
- Momento torcente ripartito su piano A e piano B
- Taglio ortogonale ripartito su piano A e piano B
- Sforzo normale su piano C
- Taglio membranale su piano C

Inoltre:

nel caso in cui le tavole siano incollate

- il momento di incollaggio è nullo
- il momento torcente viene ripartito sul piano A e B e verificato per la parte competente allo strato e al pannello (quota di Steiner)
- la resistenza al taglio di piano è offerta dall' intero spessore del pannello
- la dimensione "a" di fig. 16 par. 8.9.3 DIN 1052 (D) è identica nelle due direzioni

in caso contrario

- il momento di incollaggio viene computato secondo DIN D.26
- il momento torcente non viene verificato
- la resistenza al taglio di piano è offerta dallo spessore del pannello ridotto del 75%

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- E90 DEVE ESSERE ASSUNTO PARI 0 (gli strati esterni si trascurano per tutti gli effetti in direzione debole)
- la dimensione "a" di fig. 16 par. 8.9.3 DIN 1052 (D) è minore in direzione (1)

Le verifiche V.127, V.128, V.545, V.129 (ossia le verifiche per le tensioni normali e tangenziali) sono effettuate per gli strati pari in direzione 0 e per gli strati dispari in direzione 1 (ovvero gli strati con E0), le verifiche V.130 e V.131 sono effettuate per gli strati pari in direzione 1 e per gli strati dispari in direzione 0 (ovvero gli strati con G90).

Ai fini della verifica a taglio di piastra, è consentita una verifica semplificata che affida al piano B l'intero taglio e

determina la tensione tangenziale dividendo il taglio per la dimensione "a" di fig. 16 par. 8.9.3.

Il programma prevede a scelta dell'utente questa possibilità.

Si sottolinea che le sei verifiche sono espresse dal rapporto tra domanda e capacità, affinché la verifica sia positiva il rapporto deve essere inferiore o uguale a 1. La capacità è affetta dal termine **kmod**, espressione della classe di servizio e della durata dei carichi (si considera a livello di combinazione il caso di carico di minor durata).

Con riferimento al **Documento di Affidabilità "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST"** - versione Settembre 2014, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
126	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
127	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
128	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM
129	VERIFICA HOLD DOWN DI UN PANNELLO IN XLAM

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
1	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.66	-244.1	179	0.50	-183.6	179	0.84	-1.355e+04	-9.546e+06	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1	0.0 0.01	0.14 7.72e-03	0.0 0.0	0,52,0 207,204,0	0.20 0.20	2.69e-03 3.12e-03	0.02 3.12e-03	211,52,52 211,232,232	0.34	211	0.0 1.00	0.0 0.04	0.0 0.96
2	0.0 0.01	0.14 9.99e-03	0.0 0.0	0,52,0 223,220,0	0.22 0.22	2.69e-03 4.89e-03	0.02 4.89e-03	207,52,52 207,228,228	0.36	207	1.00 1.00	0.0 0.04	0.0 0.96
3	0.0 0.01	0.12 9.11e-03	0.0 0.0	0,52,0 207,204,0	0.22 0.22	2.15e-03 4.74e-03	0.02 4.74e-03	207,52,52 207,232,232	0.36	207	1.00 1.00	0.0 0.04	0.0 0.96
4	0.0 8.19e-03	0.12 5.67e-03	0.0 0.0	0,52,0 207,204,0	0.20 0.20	2.15e-03 1.82e-03	0.02 1.82e-03	211,52,52 211,234,234	0.34	211	1.00 1.00	0.0 0.04	0.0 0.96
5	0.0 0.02	0.14 0.02	0.0 0.0	0,52,0 211,208,0	0.23 0.23	2.20e-03 4.89e-03	0.02 4.89e-03	207,235,52 207,228,228	0.37	207	1.00 1.00	0.0 0.04	0.0 0.96
6	0.0 0.01	0.11 0.01	0.0 0.0	0,52,0 207,204,0	0.23 0.23	1.78e-03 4.74e-03	0.02 4.74e-03	207,235,52 207,232,232	0.37	207	1.00 1.00	0.0 0.04	0.0 0.96
7	1.92e-03 0.08	0.14 0.05	0.0 0.0	207,52,0 205,206,0	0.23 0.23	2.20e-03 4.77e-03	0.02 4.77e-03	207,235,52 207,228,228	0.37	207	0.85 1.00	0.06 0.04	0.94 0.96
8	0.0 0.05	0.11 0.03	0.0 0.0	0,52,0 208,206,0	0.23 0.23	1.78e-03 4.32e-03	0.01 4.32e-03	207,235,52 207,228,228	0.37	207	1.00 1.00	0.0 0.04	0.0 0.96
9	0.01 0.09	0.14 0.06	0.0 0.0	223,52,0 208,206,0	0.23 0.23	1.77e-03 5.66e-03	0.02 5.66e-03	207,235,52 207,52,52	0.37	207	0.85 1.00	0.06 0.04	0.94 0.96
10	1.23e-03	0.11	0.0	223,52,0	0.23	1.50e-03	0.01	207,235,52	0.37	207	0.85	0.06	0.94

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	0.06	0.04	0.0	208,206,0	0.23	5.66e-03	5.66e-03	207,52,52			1.00	0.04	0.96
11	0.0	0.07	0.0	0,52,0	0.21	1.75e-03	9.89e-03	211,229,52	0.35	211	0.0	0.0	0.0
	6.21e-03	5.55e-03	0.0	210,204,0	0.21	1.71e-03	1.71e-03	211,232,232			1.00	0.04	0.96
12	0.0	0.07	0.0	0,52,0	0.20	1.75e-03	9.62e-03	211,229,52	0.34	211	0.0	0.0	0.0
	4.14e-03	3.37e-03	0.0	210,209,0	0.20	9.13e-04	9.13e-04	211,216,216			1.00	0.04	0.96
13	0.0	0.07	0.0	0,52,0	0.22	1.30e-03	9.89e-03	211,235,52	0.36	211	0.0	0.0	0.0
	6.21e-03	6.33e-03	0.0	210,52,0	0.22	2.19e-03	2.19e-03	211,228,228			1.00	0.04	0.96
14	0.0	0.07	0.0	0,52,0	0.22	1.30e-03	9.86e-03	211,235,52	0.36	211	0.0	0.0	0.0
	0.03	0.02	0.0	205,206,0	0.22	2.19e-03	2.19e-03	211,228,228			1.00	0.04	0.96
15	0.0	0.07	0.0	0,52,0	0.21	8.67e-04	9.65e-03	211,235,52	0.35	211	0.0	0.0	0.0
	0.03	0.02	0.0	205,206,0	0.21	2.25e-03	2.25e-03	211,52,52			1.00	0.04	0.96
16	0.0	0.05	0.0	0,52,0	0.21	1.90e-03	6.74e-03	211,229,52	0.35	211	0.0	0.0	0.0
	3.74e-03	5.55e-03	0.0	210,204,0	0.21	1.03e-03	1.03e-03	211,216,216			1.00	0.04	0.96
17	0.0	0.05	0.0	0,52,0	0.20	1.90e-03	6.54e-03	211,229,52	0.34	211	0.0	0.0	0.0
	1.83e-03	2.90e-03	0.0	210,204,0	0.20	1.03e-03	1.03e-03	211,216,216			1.00	0.04	0.96
18	0.0	0.05	0.0	0,52,0	0.22	1.34e-03	6.74e-03	211,229,52	0.36	211	0.0	0.0	0.0
	3.99e-03	7.01e-03	0.0	210,52,0	0.22	6.66e-04	6.66e-04	211,52,52			1.00	0.04	0.96
19	0.0	0.05	0.0	0,52,0	0.22	9.56e-04	6.65e-03	211,229,52	0.36	211	0.0	0.0	0.0
	0.01	0.01	0.0	209,210,0	0.22	7.43e-04	7.43e-04	211,232,232			1.00	0.04	0.96
20	0.0	0.05	0.0	0,52,0	0.20	7.63e-04	6.54e-03	211,229,52	0.35	211	0.0	0.0	0.0
	0.01	0.01	0.0	209,210,0	0.20	7.43e-04	7.43e-04	211,232,232			1.00	0.04	0.96
21	0.0	0.04	0.0	0,52,0	0.21	1.99e-03	4.69e-03	211,229,230	0.35	211	0.0	0.0	0.0
	2.93e-03	5.03e-03	0.0	204,52,0	0.21	1.04e-03	1.04e-03	211,216,216			1.00	0.04	0.96
22	0.0	0.04	0.0	0,52,0	0.20	1.99e-03	4.65e-03	211,229,230	0.34	211	0.0	0.0	0.0
	1.11e-03	2.29e-03	0.0	209,52,0	0.20	1.04e-03	1.04e-03	211,216,216			1.00	0.04	0.96
23	0.0	0.04	0.0	0,52,0	0.21	1.41e-03	4.69e-03	211,229,230	0.35	211	0.0	0.0	0.0
	2.93e-03	7.01e-03	0.0	204,52,0	0.21	5.99e-04	5.99e-04	211,232,232			1.00	0.04	0.96
24	0.0	0.04	0.0	0,52,0	0.21	8.42e-04	4.66e-03	211,229,230	0.35	211	0.0	0.0	0.0
	0.02	0.02	0.0	207,204,0	0.21	5.99e-04	5.99e-04	211,232,232			1.00	0.04	0.96
25	0.0	0.04	0.0	0,52,0	0.20	8.29e-04	4.46e-03	211,229,230	0.34	211	0.0	0.0	0.0
	0.03	0.02	0.0	207,204,0	0.20	5.67e-04	5.67e-04	211,230,230			1.00	0.04	0.96
26	0.0	0.03	0.0	0,52,0	0.20	2.07e-03	4.95e-03	211,229,230	0.35	211	0.0	0.0	0.0
	5.47e-03	5.14e-03	0.0	209,210,0	0.20	1.04e-03	1.04e-03	211,216,216			1.00	0.04	0.96
27	0.0	0.03	0.0	0,52,0	0.20	2.07e-03	4.69e-03	211,229,230	0.34	211	0.0	0.0	0.0
	2.78e-03	2.73e-03	0.0	209,210,0	0.20	1.04e-03	1.04e-03	211,216,216			1.00	0.04	0.96
28	1.99e-03	0.03	0.0	229,52,0	0.21	1.50e-03	4.95e-03	211,230,230	0.35	211	0.85	0.06	0.94
	5.47e-03	6.32e-03	0.0	209,52,0	0.21	6.40e-04	6.40e-04	211,232,232			1.00	0.04	0.96
29	3.03e-03	0.03	0.0	229,52,0	0.21	9.01e-04	4.86e-03	211,230,230	0.35	211	0.85	0.06	0.94
	0.03	0.03	0.0	207,204,0	0.21	7.04e-04	7.04e-04	211,230,230			1.00	0.04	0.96
30	3.03e-03	0.03	0.0	229,52,0	0.20	8.51e-04	4.78e-03	208,229,230	0.35	208	0.85	0.06	0.94
	0.05	0.04	0.0	207,204,0	0.20	7.04e-04	7.04e-04	208,230,230			1.00	0.04	0.96
31	0.01	0.03	0.0	209,210,0	0.20	2.29e-03	5.72e-03	208,230,230	0.35	208	0.85	0.06	0.94
	7.41e-03	5.83e-03	0.0	209,210,0	0.20	1.02e-03	1.02e-03	208,216,216			1.00	0.04	0.96
32	0.01	0.03	0.0	209,210,0	0.20	2.29e-03	5.48e-03	211,230,230	0.34	211	0.85	0.06	0.94
	4.48e-03	3.71e-03	0.0	209,210,0	0.20	1.02e-03	1.02e-03	211,216,216			1.00	0.04	0.96
33	0.01	0.03	0.0	209,210,0	0.21	1.72e-03	5.72e-03	208,230,230	0.35	208	0.85	0.06	0.94
	7.98e-03	6.01e-03	0.0	209,206,0	0.21	6.40e-04	6.40e-04	208,232,232			1.00	0.04	0.96
34	0.01	0.03	0.0	209,210,0	0.21	9.01e-04	5.38e-03	208,230,230	0.35	208	0.85	0.06	0.94
	0.05	0.04	0.0	207,204,0	0.21	7.04e-04	7.04e-04	208,230,230			1.00	0.04	0.96
35	0.01	0.03	0.0	209,210,0	0.21	9.22e-04	5.32e-03	208,230,230	0.35	208	0.85	0.06	0.94
	0.07	0.05	0.0	207,204,0	0.21	7.04e-04	7.04e-04	208,230,230			1.00	0.04	0.96
36	0.03	0.05	0.0	209,210,0	0.21	2.41e-03	7.07e-03	208,230,230	0.35	208	0.85	0.06	0.94
	7.77e-03	5.88e-03	0.0	205,206,0	0.21	9.94e-04	9.94e-04	208,216,216			1.00	0.04	0.96
37	0.02	0.04	0.0	209,210,0	0.20	2.41e-03	6.18e-03	211,230,230	0.34	211	0.85	0.06	0.94
	6.96e-03	5.16e-03	0.0	208,211,0	0.20	9.94e-04	9.94e-04	211,216,216			1.00	0.04	0.96
38	0.04	0.05	0.0	209,210,0	0.21	1.89e-03	7.20e-03	208,230,230	0.35	208	0.85	0.06	0.94
	0.01	9.95e-03	0.0	205,206,0	0.21	4.92e-04	4.92e-04	208,52,52			1.00	0.04	0.96
39	0.04	0.05	0.0	209,210,0	0.21	1.10e-03	7.21e-03	205,232,210	0.35	205	0.85	0.06	0.94
	0.07	0.06	0.0	207,204,0	0.21	6.59e-04	6.59e-04	205,234,234			1.00	0.04	0.96
40	0.04	0.05	0.0	209,210,0	0.21	9.53e-04	7.21e-03	205,232,210	0.35	205	0.85	0.06	0.94
	0.10	0.07	0.0	207,204,0	0.21	6.59e-04	6.59e-04	205,234,234			1.00	0.04	0.96
41	0.18	0.18	0.0	209,210,0	0.21	2.54e-03	0.02	208,232,210	0.35	208	0.85	0.06	0.94
	7.77e-03	5.88e-03	0.0	205,206,0	0.21	9.04e-04	9.04e-04	208,213,213			1.00	0.04	0.96
42	0.18	0.18	0.0	209,210,0	0.20	2.54e-03	0.02	211,232,210	0.34	211	0.85	0.06	0.94
	6.96e-03	5.16e-03	0.0	208,211,0	0.20	9.04e-04	9.04e-04	211,213,213			1.00	0.04	0.96
43	0.13	0.14	0.0	209,210,0	0.21	2.06e-03	0.02	208,232,210	0.35	208	0.85	0.06	0.94
	0.02	0.02	0.0	205,206,0	0.21	4.31e-04	4.31e-04	208,229,229			1.00	0.04	0.96
44	0.09	0.10	0.0	209,210,0	0.21	1.59e-03	0.01	205,232,210	0.35	205	0.85	0.06	0.94
	0.10	0.07	0.0	206,205,0	0.21	1.25e-03	1.25e-03	205,229,229			1.00	0.04	0.96
45	0.05	0.07	0.0	209,210,0	0.21	2.25e-03	9.46e-03	205,230,210	0.35	205	0.85	0.06	0.94
	0.13	0.09	0.0	211,208,0	0.21	1.25e-03	1.25e-03	205,229,229			1.00	0.04	0.96
46	0.18	0.18	0.0	209,210,0	0.17	2.54e-03	0.02	208,232,210	0.31	208	0.85	0.06	0.94
	5.48e-03	3.95e-03	0.0	208,211,0	0.17	8.62e-04	8.62e-04	208,216,216			1.00	0.04	0.96
47	0.18	0.18	0.0	209,210,0	0.17	2.54e-03	0.02	208,232,210	0.31	208	0.85	0.06	0.94
	5.48e-03	3.95e-03	0.0	208,211,0	0.17	8.62e-04	8.62e-04	208,216,216			1.00	0.04	0.96

48	0.13	0.14	0.0 209,210,0	0.14	2.06e-03	0.02208,232,210	0.29	208	0.85	0.06	0.94
	0.02	0.02	0.0 205,206,0	0.14	3.30e-04	3.30e-04208,229,229			1.00	0.04	0.96
49	0.09	0.10	0.0 209,210,0	0.15	1.59e-03	0.01205,232,210	0.30	205	0.85	0.06	0.94
	0.10	0.07	0.0 206,205,0	0.15	1.25e-03	1.25e-03205,229,229			1.00	0.04	0.96
50	0.05	0.07	0.0 209,210,0	0.15	2.25e-03	9.46e-03205,230,210	0.30	205	0.85	0.06	0.94
	0.13	0.09	0.0 211,208,0	0.15	1.25e-03	1.25e-03205,229,229			1.00	0.04	0.96
51	0.02	0.14	0.0 223,52,0	0.15	3.08e-03	0.02 207,52,52	0.30	207	0.85	0.06	0.94
	0.09	0.06	0.0 208,206,0	0.15	5.66e-03	5.66e-03 207,52,52			1.00	0.04	0.96
52	0.01	0.11	0.0 227,52,0	0.15	2.63e-03	0.02 207,52,52	0.30	207	0.85	0.06	0.94
	0.06	0.04	0.0 208,206,0	0.15	5.66e-03	5.66e-03 207,52,52			1.00	0.04	0.96
53	0.03	0.14	0.0 223,52,0	0.14	4.25e-03	0.02 207,52,52	0.29	207	0.85	0.06	0.94
	0.02	0.01	0.0 231,209,0	0.14	5.08e-03	5.08e-03 207,52,52			1.00	0.04	0.96
54	0.02	0.11	0.0 235,52,0	0.14	3.83e-03	0.02207,235,52	0.29	207	0.85	0.06	0.94
	0.01	9.82e-03	0.0 231,209,0	0.14	5.08e-03	5.08e-03 207,52,52			1.00	0.04	0.96
55	0.03	0.12	0.0 223,220,0	0.14	4.25e-03	0.02 207,52,52	0.29	207	0.85	0.06	0.94
	0.02	0.01	0.0 231,209,0	0.14	4.74e-03	4.74e-03207,233,233			1.00	0.04	0.96
56	0.02	0.10	0.0 235,232,0	0.14	3.83e-03	0.01207,235,52	0.29	207	0.85	0.06	0.94
	0.01	9.82e-03	0.0 231,209,0	0.14	4.74e-03	4.74e-03207,233,233			1.00	0.04	0.96
57	0.0	0.07	0.0 0,52,0	0.15	1.56e-03	0.01211,229,52	0.30	211	0.0	0.0	0.0
	0.03	0.02	0.0 205,206,0	0.15	2.25e-03	2.25e-03 211,52,52			1.00	0.04	0.96
58	0.0	0.07	0.0 0,52,0	0.14	3.45e-03	0.01211,229,52	0.29	211	0.0	0.0	0.0
	9.84e-03	8.34e-03	0.0 215,212,0	0.14	1.77e-03	1.77e-03 211,52,52			1.00	0.04	0.96
59	0.0	0.07	0.0 0,52,0	0.14	3.45e-03	9.77e-03211,229,52	0.29	211	0.0	0.0	0.0
	8.26e-03	6.24e-03	0.0 207,212,0	0.14	1.62e-03	1.62e-03211,219,219			1.00	0.04	0.96
60	0.0	0.05	0.0 0,52,0	0.15	1.59e-03	6.59e-03211,229,52	0.30	211	0.0	0.0	0.0
	0.01	0.01	0.0 209,210,0	0.15	6.22e-04	6.22e-04211,232,232			1.00	0.04	0.96
61	0.0	0.05	0.0 0,52,0	0.14	2.70e-03	6.59e-03211,229,52	0.29	211	0.0	0.0	0.0
	0.01	0.01	0.0 215,204,0	0.14	1.62e-03	1.62e-03211,219,219			1.00	0.04	0.96
62	0.0	0.05	0.0 0,52,0	0.14	2.70e-03	6.41e-03211,229,52	0.29	211	0.0	0.0	0.0
	7.66e-03	6.24e-03	0.0 215,212,0	0.14	1.62e-03	1.62e-03211,219,219			1.00	0.04	0.96
63	0.0	0.04	0.0 0,52,0	0.15	1.59e-03	4.77e-03211,229,230	0.30	211	0.0	0.0	0.0
	0.03	0.02	0.0 207,204,0	0.15	5.34e-04	5.34e-04 211,52,52			1.00	0.04	0.96
64	0.0	0.04	0.0 0,52,0	0.13	2.59e-03	4.92e-03211,229,230	0.28	211	0.0	0.0	0.0
	0.01	0.01	0.0 207,204,0	0.13	1.18e-03	1.18e-03211,214,214			1.00	0.04	0.96
65	0.0	0.03	0.0 0,52,0	0.13	2.59e-03	4.92e-03211,229,230	0.28	211	0.0	0.0	0.0
	5.17e-03	6.11e-03	0.0 235,232,0	0.13	1.18e-03	1.18e-03211,214,214			1.00	0.04	0.96
66	2.83e-03	0.03	0.0 229,52,0	0.15	1.73e-03	5.09e-03211,230,230	0.29	211	0.85	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.15	6.30e-04	6.30e-04211,234,234			1.00	0.04	0.96
67	1.40e-03	0.03	0.0 209,52,0	0.13	2.79e-03	5.20e-03211,230,230	0.27	211	0.85	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.13	1.15e-03	1.15e-03211,214,214			1.00	0.04	0.96
68	0.0	0.03	0.0 0,52,0	0.13	2.79e-03	5.20e-03211,230,230	0.27	211	0.0	0.0	0.0
	5.16e-03	5.73e-03	0.0 229,230,0	0.13	1.15e-03	1.15e-03211,214,214			1.00	0.04	0.96
69	0.01	0.03	0.0 209,210,0	0.14	1.91e-03	5.74e-03211,230,230	0.29	211	0.85	0.06	0.94
	0.07	0.05	0.0 207,204,0	0.14	6.30e-04	6.30e-04211,234,234			1.00	0.04	0.96
70	0.01	0.03	0.0 209,210,0	0.12	3.12e-03	5.89e-03211,230,230	0.27	211	0.85	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.12	1.11e-03	1.11e-03211,214,214			1.00	0.04	0.96
71	8.74e-03	0.03	0.0 209,210,0	0.12	3.12e-03	5.89e-03211,230,230	0.27	211	0.85	0.06	0.94
	5.16e-03	5.73e-03	0.0 229,230,0	0.12	1.11e-03	1.11e-03211,214,214			1.00	0.04	0.96
72	0.04	0.05	0.0 209,210,0	0.13	2.06e-03	7.19e-03211,228,230	0.28	211	0.85	0.06	0.94
	0.10	0.07	0.0 207,204,0	0.13	5.73e-04	5.73e-04211,234,234			1.00	0.04	0.96
73	0.03	0.04	0.0 209,210,0	0.12	3.12e-03	7.15e-03211,230,230	0.26	211	0.85	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.12	1.04e-03	1.04e-03211,214,214			1.00	0.04	0.96
74	0.03	0.04	0.0 209,210,0	0.12	3.12e-03	6.69e-03211,230,230	0.26	211	0.85	0.06	0.94
	6.31e-03	6.72e-03	0.0 229,230,0	0.12	1.04e-03	1.04e-03211,214,214			1.00	0.04	0.96
75	0.04	0.05	0.0 209,210,0	0.11	2.52e-03	9.23e-03208,228,230	0.26	208	0.85	0.06	0.94
	0.13	0.09	0.0 211,208,0	0.11	9.66e-04	9.66e-04208,229,229			1.00	0.04	0.96
76	0.04	0.05	0.0 209,210,0	0.10	3.05e-03	8.23e-03211,228,230	0.24	211	0.85	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.10	1.04e-03	1.04e-03211,214,214			1.00	0.04	0.96
77	0.04	0.05	0.0 209,210,0	0.10	3.05e-03	7.23e-03211,228,230	0.24	211	0.85	0.06	0.94
	6.76e-03	7.33e-03	0.0 229,230,0	0.10	1.04e-03	1.04e-03211,214,214			1.00	0.04	0.96
78	0.04	0.05	0.0 209,210,0	0.06	2.52e-03	9.23e-03205,228,230	0.19	205	0.85	0.06	0.94
	0.13	0.09	0.0 211,208,0	0.06	9.66e-04	9.66e-04205,229,229			1.00	0.04	0.96
79	0.04	0.05	0.0 209,210,0	0.06	3.01e-03	8.23e-03211,228,230	0.19	211	0.85	0.06	0.94
	8.70e-03	0.01	0.0 215,212,0	0.06	9.20e-04	9.20e-04211,213,213			1.00	0.04	0.96
80	0.04	0.05	0.0 209,210,0	0.06	3.01e-03	7.23e-03211,228,230	0.19	211	0.85	0.06	0.94
	6.76e-03	7.33e-03	0.0 229,230,0	0.06	9.20e-04	9.20e-04211,213,213			1.00	0.04	0.96
897	0.16	0.26	0.0 207,204,0	0.16	2.96e-03	0.03211,52,204	0.30	211	0.85	0.06	0.94
	6.30e-03	4.36e-03	0.0 211,208,0	0.16	1.24e-03	1.24e-03211,216,216			1.00	0.04	0.96
898	0.16	0.26	0.0 207,204,0	0.16	2.96e-03	0.03211,52,204	0.30	211	0.85	0.06	0.94
	6.30e-03	4.36e-03	0.0 211,208,0	0.16	1.45e-03	1.45e-03211,228,228			1.00	0.04	0.96
899	0.16	0.26	0.0 207,204,0	0.20	2.96e-03	0.03209,52,204	0.34	209	0.85	0.06	0.94
	0.01	9.99e-03	0.0 223,220,0	0.20	4.89e-03	4.89e-03209,228,228			1.00	0.04	0.96
900	0.16	0.26	0.0 207,204,0	0.19	2.96e-03	0.03205,52,204	0.33	205	0.85	0.06	0.94
	0.01	7.72e-03	0.0 207,204,0	0.19	3.12e-03	3.12e-03205,232,232			1.00	0.04	0.96
901	0.10	0.20	0.0 207,204,0	0.12	2.43e-03	0.03208,52,204	0.26	208	0.85	0.06	0.94

	0.02	0.02	0.0 211,208,0	0.12	1.81e-03	1.81e-03208,228,228			1.00	0.04	0.96
902	0.10	0.20	0.0 207,204,0	0.20	2.43e-03	0.03209,52,204	0.34	209	0.85	0.06	0.94
	0.02	0.02	0.0 211,208,0	0.20	4.89e-03	4.89e-03209,228,228			1.00	0.04	0.96
903	0.05	0.15	0.0 207,204,0	0.12	2.22e-03	0.02211,231,204	0.26	211	0.85	0.06	0.94
	0.09	0.06	0.0 208,211,0	0.12	2.54e-03	2.54e-03211,228,228			1.00	0.04	0.96
904	0.05	0.15	0.0 207,204,0	0.20	2.22e-03	0.02209,231,204	0.34	209	0.85	0.06	0.94
	0.09	0.06	0.0 208,211,0	0.20	4.77e-03	4.77e-03209,228,228			1.00	0.04	0.96
905	3.45e-03	0.12	0.0 223,52,0	0.12	2.52e-03	0.02 211,52,52	0.26	211	0.85	0.06	0.94
	0.11	0.07	0.0 205,206,0	0.12	2.77e-03	2.77e-03211,228,228			1.00	0.04	0.96
906	0.01	0.14	0.0 223,52,0	0.19	2.52e-03	0.02 209,52,52	0.34	209	0.85	0.06	0.94
	0.11	0.07	0.0 205,206,0	0.19	5.61e-03	5.61e-03 209,52,52			1.00	0.04	0.96
907	9.85e-03	0.11	0.0 223,52,0	0.06	3.01e-03	0.02 208,52,52	0.19	208	0.85	0.06	0.94
	0.11	0.07	0.0 205,206,0	0.06	2.77e-03	2.77e-03208,228,228			1.00	0.04	0.96
908	0.02	0.14	0.0 223,52,0	0.10	3.08e-03	0.02 209,52,52	0.24	209	0.85	0.06	0.94
	0.11	0.07	0.0 205,206,0	0.10	5.61e-03	5.61e-03 209,52,52			1.00	0.04	0.96
909	0.02	0.10	0.0 207,52,0	0.07	3.89e-03	0.02205,235,52	0.20	205	0.85	0.06	0.94
	0.02	0.01	0.0 211,204,0	0.07	2.54e-03	2.54e-03205,229,229			1.00	0.04	0.96
910	0.03	0.14	0.0 223,52,0	0.10	4.25e-03	0.02 209,52,52	0.24	209	0.85	0.06	0.94
	0.02	0.01	0.0 211,209,0	0.10	4.68e-03	4.68e-03 209,52,52			1.00	0.04	0.96
911	0.02	0.09	0.0 207,204,0	0.07	3.89e-03	0.01205,235,52	0.20	205	0.85	0.06	0.94
	0.01	0.01	0.0 211,204,0	0.07	2.54e-03	2.54e-03205,229,229			1.00	0.04	0.96
912	0.03	0.12	0.0 223,220,0	0.10	4.25e-03	0.02 209,52,52	0.24	209	0.85	0.06	0.94
	0.02	0.01	0.0 231,209,0	0.10	3.19e-03	3.19e-03209,221,221			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.18	0.26	0.0	0.23	5.66e-03	0.03	0.37				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
2	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.59	45.5	173	0.35	26.9	173	0.59	-2753.7	-9.295e+05	204

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
81	0.13	0.19	0.0 207,204,0		0.13	3.41e-03	0.02205,228,208		0.28	205	0.85	0.06	0.94
	3.79e-03	3.06e-03	0.0 210,209,0		0.13	8.49e-04	8.49e-04205,228,228				1.00	0.04	0.96
82	0.13	0.19	0.0 207,204,0		0.13	3.41e-03	0.02205,228,208		0.28	205	0.85	0.06	0.94
	4.77e-03	3.54e-03	0.0 228,231,0		0.13	8.49e-04	8.49e-04205,228,228				1.00	0.04	0.96
83	0.13	0.19	0.0 207,204,0		0.21	3.41e-03	0.02205,228,208		0.35	205	0.85	0.06	0.94
	6.38e-03	4.59e-03	0.0 232,235,0		0.21	8.63e-04	8.63e-04205,231,231				1.00	0.04	0.96
84	0.13	0.19	0.0 207,204,0		0.18	3.41e-03	0.02208,228,208		0.32	208	0.85	0.06	0.94
	4.12e-03	3.25e-03	0.0 210,209,0		0.18	8.63e-04	8.63e-04208,231,231				1.00	0.04	0.96
85	0.08	0.15	0.0 207,204,0		0.12	2.58e-03	0.02208,230,216		0.26	208	0.85	0.06	0.94
	0.02	0.01	0.0 206,205,0		0.12	5.75e-04	5.75e-04208,219,219				1.00	0.04	0.96
86	0.08	0.15	0.0 207,204,0		0.22	2.58e-03	0.02205,230,216		0.36	205	0.85	0.06	0.94
	0.02	0.01	0.0 206,205,0		0.22	5.75e-04	5.75e-04205,219,219				1.00	0.04	0.96
87	0.03	0.09	0.0 215,212,0		0.13	1.70e-03	0.01206,228,228		0.28	206	0.85	0.06	0.94
	0.07	0.05	0.0 208,211,0		0.13	1.57e-03	1.57e-03206,231,231				1.00	0.04	0.96
88	0.03	0.10	0.0 215,230,0		0.22	1.70e-03	0.01205,228,228		0.36	205	0.85	0.06	0.94
	0.07	0.05	0.0 208,211,0		0.22	1.57e-03	1.57e-03205,231,231				1.00	0.04	0.96
89	0.02	0.09	0.0 235,232,0		0.13	3.78e-03	0.01206,228,232		0.28	206	0.85	0.06	0.94
	0.08	0.05	0.0 205,206,0		0.13	1.57e-03	1.57e-03206,231,231				1.00	0.04	0.96
90	0.03	0.09	0.0 229,230,0		0.20	3.78e-03	0.01205,228,232		0.34	205	0.85	0.06	0.94
	0.08	0.05	0.0 205,206,0		0.20	1.57e-03	1.57e-03205,231,231				1.00	0.04	0.96
91	0.19	0.21	0.0 204,207,0		0.21	2.09e-03	0.03205,204,207		0.35	205	0.85	0.06	0.94
	6.38e-03	4.59e-03	0.0 232,235,0		0.21	1.87e-03	1.87e-03205,211,211				1.00	0.04	0.96
92	0.19	0.21	0.0 204,207,0		0.18	2.09e-03	0.03208,204,207		0.32	208	0.85	0.06	0.94
	4.12e-03	3.84e-03	0.0 210,52,0		0.18	1.40e-03	1.40e-03208,218,218				1.00	0.04	0.96
93	0.13	0.17	0.0 204,207,0		0.22	1.46e-03	0.02205,229,207		0.36	205	0.85	0.06	0.94
	9.44e-03	6.83e-03	0.0 206,205,0		0.22	1.87e-03	1.87e-03205,211,211				1.00	0.04	0.96
94	0.08	0.14	0.0 204,207,0		0.22	1.35e-03	0.02205,231,207		0.36	205	0.85	0.06	0.94
	0.05	0.03	0.0 208,211,0		0.22	8.96e-04	8.96e-04205,232,232				1.00	0.04	0.96
95	0.08	0.15	0.0 229,230,0		0.20	1.01e-03	0.02205,231,230		0.34	205	0.85	0.06	0.94
	0.05	0.03	0.0 208,206,0		0.20	8.95e-04	8.95e-04205,207,207				1.00	0.04	0.96
96	0.19	0.21	0.0 204,207,0		0.14	2.09e-03	0.03205,204,207		0.28	205	0.85	0.06	0.94
	2.49e-03	3.84e-03	0.0 232,52,0		0.14	1.87e-03	1.87e-03205,211,211				1.00	0.04	0.96
97	0.19	0.21	0.0 204,207,0		0.14	2.09e-03	0.03205,204,207		0.28	205	0.85	0.06	0.94
	0.0	3.84e-03	0.0 0,52,0		0.14	1.40e-03	1.40e-03205,218,218				0.0	0.0	0.0
98	0.13	0.17	0.0 204,207,0		0.13	1.31e-03	0.02209,219,207		0.27	209	0.85	0.06	0.94
	4.91e-03	4.20e-03	0.0 206,208,0		0.13	1.87e-03	1.87e-03209,211,211				1.00	0.04	0.96

99	0.08	0.14	0.0 204,207,0	0.12	1.31e-03	0.02209,219,207	0.27	209	0.85	0.06	0.94
	0.02	0.01	0.0 205,206,0	0.12	8.96e-04	8.96e-04209,232,232			1.00	0.04	0.96
100	0.08	0.15	0.0 229,230,0	0.11	9.65e-04	0.02209,216,230	0.26	209	0.85	0.06	0.94
	0.02	0.01	0.0 205,206,0	0.11	5.70e-04	5.70e-04209,210,210			1.00	0.04	0.96
101	0.02	0.07	0.0 235,232,0	0.05	3.78e-03	0.01206,228,232	0.17	206	0.85	0.06	0.94
	0.08	0.05	0.0 205,206,0	0.05	1.42e-03	1.42e-03206,231,231			1.00	0.04	0.96
102	0.04	0.10	0.0 229,230,0	0.07	3.78e-03	0.01205,228,232	0.20	205	0.85	0.06	0.94
	0.08	0.05	0.0 205,206,0	0.07	1.42e-03	1.42e-03205,231,231			1.00	0.04	0.96
103	0.01	0.07	0.0 235,232,0	0.05	4.39e-03	0.01205,231,232	0.17	205	0.85	0.06	0.94
	0.02	0.02	0.0 211,208,0	0.05	2.39e-03	2.39e-03205,233,233			1.00	0.04	0.96
104	0.05	0.10	0.0 229,230,0	0.06	4.39e-03	0.01205,231,230	0.19	205	0.85	0.06	0.94
	0.02	0.02	0.0 211,208,0	0.06	2.39e-03	2.39e-03205,233,233			1.00	0.04	0.96
105	8.76e-03	0.05	0.0 231,228,0	0.05	4.39e-03	0.01205,231,228	0.17	205	0.85	0.06	0.94
	6.59e-03	9.49e-03	0.0 235,232,0	0.05	2.39e-03	2.39e-03205,233,233			1.00	0.04	0.96
106	0.05	0.10	0.0 229,230,0	0.06	4.39e-03	0.01205,231,230	0.19	205	0.85	0.06	0.94
	7.81e-03	0.01	0.0 215,212,0	0.06	2.39e-03	2.39e-03205,233,233			1.00	0.04	0.96
107	0.10	0.17	0.0 229,230,0	0.07	2.96e-03	0.02205,231,230	0.20	205	0.85	0.06	0.94
	0.05	0.03	0.0 205,206,0	0.07	1.94e-03	1.94e-03205,235,235			1.00	0.04	0.96
108	0.16	0.28	0.0 235,232,0	0.06	6.10e-03	0.04209,207,232	0.19	209	0.85	0.06	0.94
	0.02	0.02	0.0 219,216,0	0.06	5.49e-03	5.49e-03209,204,204			1.00	0.04	0.96
109	0.07	0.14	0.0 229,230,0	0.06	1.83e-03	0.02205,231,230	0.19	205	0.85	0.06	0.94
	0.01	0.01	0.0 207,212,0	0.06	5.49e-03	5.49e-03205,204,204			1.00	0.04	0.96
110	0.10	0.17	0.0 229,230,0	0.04	2.96e-03	0.02209,231,230	0.14	209	0.85	0.06	0.94
	0.02	0.01	0.0 205,206,0	0.04	1.94e-03	1.94e-03209,235,235			1.00	0.04	0.96
111	0.16	0.28	0.0 235,232,0	0.06	6.10e-03	0.04209,207,232	0.19	209	0.85	0.06	0.94
	6.10e-03	9.92e-03	0.0 207,204,0	0.06	3.28e-03	3.28e-03209,229,229			1.00	0.04	0.96
112	0.16	0.28	0.0 235,232,0	0.06	6.10e-03	0.04209,207,232	0.19	209	0.85	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.06	5.49e-03	5.49e-03209,204,204			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.19	0.28	0.0	0.22	6.10e-03	0.04	0.36
Setto	Mat.			N. strati	Spessore	Incoll.	Stato
3	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)			5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN			kN			kN	kN m	
		0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
50	0.07	0.05	0.0 211,208,0		0.19	1.77e-03	7.10e-03208,230,205		0.33	208	0.46	0.11	0.89
	0.03	0.03	0.0 209,210,0		0.19	4.06e-03	4.06e-03208,230,230				1.00	0.04	0.96
78	0.07	0.05	0.0 211,208,0		0.23	1.77e-03	7.10e-03205,230,205		0.37	205	0.46	0.11	0.89
	0.04	0.04	0.0 205,206,0		0.23	4.06e-03	4.06e-03205,230,230				1.00	0.04	0.96
79	5.91e-03	6.71e-03	0.0 209,204,0		0.23	2.80e-04	1.24e-03205,228,208		0.37	205	0.46	0.11	0.89
	0.15	0.13	0.0 209,210,0		0.23	3.22e-03	3.22e-03205,228,228				1.00	0.04	0.96
80	5.77e-03	6.71e-03	0.0 207,204,0		0.23	6.27e-04	1.24e-03205,216,208		0.37	205	0.46	0.11	0.89
	0.15	0.13	0.0 209,210,0		0.23	3.22e-03	3.22e-03205,228,228				1.00	0.04	0.96
89	0.04	0.03	0.0 208,211,0		0.18	1.93e-03	5.44e-03206,228,211		0.32	206	0.46	0.11	0.89
	0.04	0.04	0.0 209,210,0		0.18	5.47e-03	5.47e-03206,228,228				1.00	0.04	0.96
101	0.04	0.03	0.0 208,211,0		0.22	1.93e-03	5.44e-03208,228,211		0.36	208	0.46	0.11	0.89
	0.04	0.04	0.0 209,210,0		0.22	5.47e-03	5.47e-03208,228,228				1.00	0.04	0.96
103	0.01	0.01	0.0 207,204,0		0.23	4.48e-04	1.92e-03204,208,208		0.37	204	0.46	0.11	0.89
	0.04	0.13	0.0 207,204,0		0.23	6.56e-03	6.56e-03204,229,229				1.00	0.04	0.96
105	3.62e-03	4.77e-03	0.0 207,230,0		0.23	1.48e-03	2.40e-03204,229,230		0.37	204	0.46	0.11	0.89
	0.04	0.13	0.0 207,204,0		0.23	6.56e-03	6.56e-03204,229,229				1.00	0.04	0.96
113	0.07	0.05	0.0 211,208,0		0.24	1.77e-03	7.10e-03205,230,205		0.37	205	0.46	0.11	0.89
	0.04	0.04	0.0 205,206,0		0.24	4.06e-03	4.06e-03205,230,230				1.00	0.04	0.96
114	0.07	0.05	0.0 211,208,0		0.19	1.77e-03	7.10e-03208,230,205		0.33	208	0.46	0.11	0.89
	0.03	0.03	0.0 209,210,0		0.19	4.06e-03	4.06e-03208,230,230				1.00	0.04	0.96
115	5.91e-03	6.71e-03	0.0 209,204,0		0.24	6.27e-04	1.28e-03205,216,210		0.37	205	0.46	0.11	0.89
	0.15	0.13	0.0 209,210,0		0.24	3.22e-03	3.22e-03205,228,228				1.00	0.04	0.96
116	5.23e-03	5.00e-03	0.0 209,210,0		0.23	6.27e-04	1.28e-03205,216,210		0.37	205	0.46	0.11	0.89
	3.58e-03	2.83e-03	0.0 231,234,0		0.23	2.82e-03	2.82e-03205,228,228				1.00	0.04	0.96
117	0.04	0.03	0.0 208,211,0		0.24	1.93e-03	5.44e-03205,228,211		0.37	205	0.46	0.11	0.89
	0.04	0.04	0.0 209,210,0		0.24	5.47e-03	5.47e-03205,228,228				1.00	0.04	0.96
118	0.04	0.03	0.0 208,211,0		0.18	1.93e-03	5.44e-03204,228,211		0.32	204	0.46	0.11	0.89
	0.04	0.04	0.0 209,210,0		0.18	5.47e-03	5.47e-03204,228,228				1.00	0.04	0.96
119	0.01	0.01	0.0 207,204,0		0.24	1.48e-03	2.40e-03205,229,230		0.37	205	0.46	0.11	0.89
	0.04	0.13	0.0 207,204,0		0.24	6.56e-03	6.56e-03205,229,229				1.00	0.04	0.96
120	3.62e-03	4.27e-03	0.0 207,204,0		0.23	1.48e-03	2.40e-03204,229,230		0.37	204	0.46	0.11	0.89
	3.58e-03	4.14e-03	0.0 231,228,0		0.23	2.82e-03	2.82e-03204,228,228				1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.13	0.0	0.24	6.56e-03	7.10e-03	0.37

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
4	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.82	484.0	203	0.82	480.3	203	0.77	-2.832e+04	-1.935e+07	204

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
96	0.16	0.22	0.0 204,207,0		0.28	7.86e-03	0.04232,207,207		0.41	232	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0		0.28	0.01	0.01232,207,207				1.00	0.04	0.96
97	0.16	0.22	0.0 204,207,0		0.28	7.86e-03	0.04232,207,207		0.41	232	0.85	0.06	0.94
	0.01	0.01	0.0 204,207,0		0.28	4.57e-03	4.57e-03232,207,207				1.00	0.04	0.96
98	0.12	0.17	0.0 204,207,0		0.27	0.01	0.03232,204,207		0.40	232	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0		0.27	0.01	0.01232,207,207				1.00	0.04	0.96
99	0.07	0.13	0.0 208,211,0		0.29	0.02	0.04232,204,211		0.41	232	0.85	0.06	0.94
	0.02	0.01	0.0 204,207,0		0.29	0.01	0.01232,204,204				1.00	0.04	0.96
100	0.06	0.12	0.0 209,210,0		0.32	0.02	0.04232,204,211		0.43	232	0.85	0.06	0.94
	0.02	0.02	0.0 204,216,0		0.32	0.02	0.02232,204,204				1.00	0.04	0.96
110	0.07	0.12	0.0 229,230,0		0.36	0.02	0.04232,206,206		0.46	232	0.85	0.06	0.94
	0.02	0.02	0.0 204,216,0		0.36	0.02	0.02232,204,204				1.00	0.04	0.96
111	0.08	0.13	0.0 229,230,0		0.43	0.01	0.03232,208,206		0.50	232	0.85	0.06	0.94
	0.05	0.04	0.0 235,232,0		0.43	3.50e-03	3.50e-03232,206,206				1.00	0.04	0.96
112	0.08	0.13	0.0 229,230,0		0.43	5.37e-03	0.02232,204,232		0.50	232	0.85	0.06	0.94
	0.05	0.04	0.0 235,232,0		0.43	3.50e-03	3.50e-03232,206,206				1.00	0.04	0.96
121	0.29	0.44	0.0 235,232,0		0.24	3.25e-03	0.06235,216,232		0.38	235	0.85	0.06	0.94
	6.45e-03	4.93e-03	0.0 235,232,0		0.24	9.85e-04	9.85e-04235,216,216				1.00	0.04	0.96
122	0.29	0.44	0.0 235,232,0		0.24	3.25e-03	0.06235,216,232		0.38	235	0.85	0.06	0.94
	9.82e-03	7.82e-03	0.0 235,232,0		0.24	9.85e-04	9.85e-04235,216,216				1.00	0.04	0.96
123	0.29	0.44	0.0 235,232,0		0.29	3.25e-03	0.06235,216,232		0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0 235,232,0		0.29	1.01e-03	1.01e-03235,216,216				1.00	0.04	0.96
124	0.29	0.44	0.0 235,232,0		0.29	3.25e-03	0.06235,216,232		0.41	235	0.85	0.06	0.94
	0.01	9.58e-03	0.0 235,232,0		0.29	1.01e-03	1.01e-03235,216,216				1.00	0.04	0.96
125	0.24	0.39	0.0 235,232,0		0.19	2.38e-03	0.05235,216,232		0.33	235	0.85	0.06	0.94
	9.82e-03	7.82e-03	0.0 235,232,0		0.19	2.64e-04	2.64e-04235,219,219				1.00	0.04	0.96
126	0.24	0.39	0.0 235,232,0		0.29	2.38e-03	0.05235,216,232		0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0 235,232,0		0.29	2.64e-04	2.64e-04235,219,219				1.00	0.04	0.96
127	0.20	0.35	0.0 235,232,0		0.15	1.60e-03	0.05235,216,232		0.30	235	0.85	0.06	0.94
	5.00e-03	5.55e-03	0.0 235,232,0		0.15	8.07e-05	8.07e-05235,205,205				1.00	0.04	0.96
128	0.20	0.35	0.0 235,232,0		0.29	1.60e-03	0.05235,216,232		0.41	235	0.85	0.06	0.94
	0.01	0.01	0.0 235,232,0		0.29	9.70e-05	9.70e-05235,204,204				1.00	0.04	0.96
129	0.15	0.31	0.0 235,232,0		0.14	1.11e-03	0.04219,213,232		0.28	219	0.85	0.06	0.94
	1.10e-03	8.93e-03	0.0 235,52,0		0.14	9.49e-05	9.49e-05219,208,208				1.00	0.04	0.96
130	0.15	0.31	0.0 235,232,0		0.28	1.20e-03	0.04235,216,232		0.40	235	0.85	0.06	0.94
	6.57e-03	0.01	0.0 229,52,0		0.28	1.60e-04	1.60e-04235,212,212				1.00	0.04	0.96
131	0.05	0.16	0.0 235,232,0		0.29	2.94e-03	0.02235,214,232		0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0 235,232,0		0.29	1.02e-03	1.02e-03235,216,216				1.00	0.04	0.96
132	0.04	0.16	0.0 235,232,0		0.29	2.94e-03	0.02235,214,232		0.41	235	0.85	0.06	0.94
	0.01	9.58e-03	0.0 235,232,0		0.29	1.02e-03	1.02e-03235,216,216				1.00	0.04	0.96
133	0.05	0.17	0.0 235,232,0		0.30	1.97e-03	0.02235,214,232		0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0 235,232,0		0.30	2.64e-04	2.64e-04235,219,219				1.00	0.04	0.96
134	0.05	0.17	0.0 235,232,0		0.30	1.12e-03	0.02235,214,232		0.42	235	0.85	0.06	0.94
	0.01	0.01	0.0 235,232,0		0.30	1.09e-04	1.09e-04235,208,208				1.00	0.04	0.96
135	0.05	0.16	0.0 235,232,0		0.29	1.23e-03	0.02235,218,232		0.42	235	0.85	0.06	0.94
	8.77e-03	0.01	0.0 229,230,0		0.29	1.60e-04	1.60e-04235,212,212				1.00	0.04	0.96
136	3.59e-03	0.11	0.0 229,52,0		0.30	2.94e-03	0.01235,214,216		0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0 235,232,0		0.30	1.04e-03	1.04e-03235,216,216				1.00	0.04	0.96
137	3.59e-03	0.11	0.0 229,52,0		0.29	2.94e-03	0.01235,214,216		0.42	235	0.85	0.06	0.94
	0.01	8.92e-03	0.0 235,232,0		0.29	1.04e-03	1.04e-03235,216,216				1.00	0.04	0.96
138	3.45e-03	0.11	0.0 229,52,0		0.30	1.97e-03	0.01235,214,216		0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0 235,232,0		0.30	2.42e-04	2.42e-04235,219,219				1.00	0.04	0.96
139	3.40e-03	0.11	0.0 229,52,0		0.30	1.12e-03	0.01235,214,230		0.42	235	0.85	0.06	0.94
	0.01	0.01	0.0 235,232,0		0.30	1.68e-04	1.68e-04235,208,208				1.00	0.04	0.96
140	2.77e-03	0.10	0.0 229,52,0		0.30	1.26e-03	0.01235,218,230		0.42	235	0.85	0.06	0.94
	9.35e-03	0.01	0.0 229,230,0		0.30	1.13e-04	1.13e-04235,208,208				1.00	0.04	0.96
141	0.0	0.09	0.0 0,52,0		0.30	2.89e-03	0.01235,218,52		0.42	235	0.0	0.0	0.0
	0.02	0.02	0.0 235,232,0		0.30	1.07e-03	1.07e-03235,216,216				1.00	0.04	0.96
142	0.0	0.09	0.0 0,52,0		0.30	2.89e-03	0.01235,218,52		0.42	235	0.0	0.0	0.0
	8.99e-03	8.06e-03	0.0 235,232,0		0.30	1.07e-03	1.07e-03235,216,216				1.00	0.04	0.96

143	0.0	0.09	0.0	0,52,0	0.31	1.90e-03	0.01235,218,52	0.43	235	0.0	0.0	0.0
	0.02	0.02	0.0	235,232,0	0.31	2.59e-04	2.59e-04235,206,206			1.00	0.04	0.96
144	0.0	0.09	0.0	0,52,0	0.31	1.04e-03	9.96e-03235,218,52	0.43	235	0.0	0.0	0.0
	0.01	0.01	0.0	235,232,0	0.31	2.59e-04	2.59e-04235,206,206			1.00	0.04	0.96
145	0.0	0.09	0.0	0,52,0	0.31	1.26e-03	9.87e-03235,218,52	0.43	235	0.0	0.0	0.0
	9.39e-03	0.01	0.0	229,230,0	0.31	2.05e-04	2.05e-04235,210,210			1.00	0.04	0.96
146	0.0	0.09	0.0	0,52,0	0.30	2.84e-03	9.36e-03235,218,52	0.42	235	0.0	0.0	0.0
	0.02	0.01	0.0	235,232,0	0.30	1.09e-03	1.09e-03235,216,216			1.00	0.04	0.96
147	0.0	0.09	0.0	0,52,0	0.30	2.84e-03	9.36e-03235,218,52	0.42	235	0.0	0.0	0.0
	7.62e-03	7.10e-03	0.0	235,232,0	0.30	1.09e-03	1.09e-03235,216,216			1.00	0.04	0.96
148	0.0	0.09	0.0	0,52,0	0.31	1.86e-03	9.30e-03235,218,52	0.43	235	0.0	0.0	0.0
	0.02	0.01	0.0	235,232,0	0.31	4.05e-04	4.05e-04235,206,206			1.00	0.04	0.96
149	0.0	0.09	0.0	0,52,0	0.31	1.02e-03	9.23e-03235,219,52	0.43	235	0.0	0.0	0.0
	0.01	0.01	0.0	235,232,0	0.31	4.05e-04	4.05e-04235,206,206			1.00	0.04	0.96
150	0.0	0.09	0.0	0,52,0	0.31	1.20e-03	9.14e-03235,218,52	0.43	235	0.0	0.0	0.0
	9.39e-03	0.01	0.0	229,230,0	0.31	3.14e-04	3.14e-04235,210,210			1.00	0.04	0.96
151	0.0	0.09	0.0	0,52,0	0.30	2.73e-03	9.21e-03235,211,52	0.42	235	0.0	0.0	0.0
	0.01	0.01	0.0	235,232,0	0.30	1.09e-03	1.09e-03235,216,216			1.00	0.04	0.96
152	0.0	0.09	0.0	0,52,0	0.30	2.73e-03	9.21e-03235,211,52	0.42	235	0.0	0.0	0.0
	6.49e-03	6.17e-03	0.0	235,232,0	0.30	1.09e-03	1.09e-03235,216,216			1.00	0.04	0.96
153	0.0	0.09	0.0	0,52,0	0.31	1.76e-03	9.16e-03235,219,52	0.43	235	0.0	0.0	0.0
	0.01	0.01	0.0	235,230,0	0.31	4.18e-04	4.18e-04235,207,207			1.00	0.04	0.96
154	0.0	0.08	0.0	0,52,0	0.31	1.03e-03	9.10e-03235,215,52	0.43	235	0.0	0.0	0.0
	0.01	0.01	0.0	229,230,0	0.31	4.87e-04	4.87e-04235,210,210			1.00	0.04	0.96
155	0.0	0.08	0.0	0,52,0	0.31	1.16e-03	9.01e-03235,211,52	0.43	235	0.0	0.0	0.0
	9.14e-03	0.01	0.0	233,234,0	0.31	4.87e-04	4.87e-04235,210,210			1.00	0.04	0.96
156	0.0	0.09	0.0	0,52,0	0.30	2.73e-03	9.84e-03235,211,211	0.42	235	0.0	0.0	0.0
	0.01	0.01	0.0	233,234,0	0.30	1.09e-03	1.09e-03235,219,219			1.00	0.04	0.96
157	0.0	0.09	0.0	0,52,0	0.30	2.73e-03	9.84e-03235,211,211	0.42	235	0.0	0.0	0.0
	5.30e-03	5.10e-03	0.0	233,234,0	0.30	1.09e-03	1.09e-03235,219,219			1.00	0.04	0.96
158	0.0	0.09	0.0	0,52,0	0.31	1.76e-03	9.83e-03235,219,211	0.42	235	0.0	0.0	0.0
	0.01	0.01	0.0	233,234,0	0.31	4.18e-04	4.18e-04235,207,207			1.00	0.04	0.96
159	0.0	0.09	0.0	0,52,0	0.31	1.03e-03	9.63e-03232,215,219	0.43	232	0.0	0.0	0.0
	0.01	0.01	0.0	233,234,0	0.31	6.26e-04	6.26e-04232,207,207			1.00	0.04	0.96
160	0.0	0.09	0.0	0,52,0	0.31	1.16e-03	9.55e-03232,211,219	0.43	232	0.0	0.0	0.0
	9.78e-03	0.01	0.0	233,234,0	0.31	8.53e-04	8.53e-04232,207,207			1.00	0.04	0.96
161	0.0	0.10	0.0	0,52,0	0.30	2.71e-03	0.01235,211,207	0.42	235	0.0	0.0	0.0
	0.01	0.01	0.0	233,234,0	0.30	1.04e-03	1.04e-03235,219,219			1.00	0.04	0.96
162	0.0	0.10	0.0	0,52,0	0.30	2.71e-03	0.01235,211,207	0.42	235	0.0	0.0	0.0
	4.93e-03	4.39e-03	0.0	229,234,0	0.30	1.04e-03	1.04e-03235,219,219			1.00	0.04	0.96
163	0.0	0.10	0.0	0,52,0	0.30	1.69e-03	0.01232,211,211	0.42	232	0.0	0.0	0.0
	0.01	0.01	0.0	233,234,0	0.30	6.47e-04	6.47e-04232,216,216			1.00	0.04	0.96
164	0.0	0.10	0.0	0,52,0	0.30	1.01e-03	0.01232,215,219	0.42	232	0.0	0.0	0.0
	0.01	0.01	0.0	233,234,0	0.30	6.26e-04	6.26e-04232,207,207			1.00	0.04	0.96
165	0.0	0.10	0.0	0,52,0	0.30	1.12e-03	0.01232,211,211	0.42	232	0.0	0.0	0.0
	0.01	0.01	0.0	233,228,0	0.30	1.26e-03	1.26e-03232,207,207			1.00	0.04	0.96
166	0.03	0.12	0.0	216,219,0	0.30	2.63e-03	0.02235,207,207	0.42	235	0.85	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.30	9.63e-04	9.63e-04235,219,219			1.00	0.04	0.96
167	0.02	0.12	0.0	232,235,0	0.30	2.63e-03	0.02235,207,207	0.42	235	0.85	0.06	0.94
	5.36e-03	4.30e-03	0.0	229,230,0	0.30	9.63e-04	9.63e-04235,219,219			1.00	0.04	0.96
168	0.03	0.12	0.0	216,219,0	0.30	1.60e-03	0.02232,211,211	0.42	232	0.85	0.06	0.94
	0.01	0.01	0.0	233,230,0	0.30	8.84e-04	8.84e-04232,213,213			1.00	0.04	0.96
169	0.03	0.12	0.0	216,219,0	0.30	8.61e-04	0.02232,215,219	0.42	232	0.85	0.06	0.94
	0.01	0.01	0.0	235,232,0	0.30	7.51e-04	7.51e-04232,205,205			1.00	0.04	0.96
170	0.03	0.12	0.0	216,219,0	0.30	1.08e-03	0.02232,204,215	0.42	232	0.85	0.06	0.94
	0.02	0.02	0.0	235,232,0	0.30	1.26e-03	1.26e-03232,207,207			1.00	0.04	0.96
171	0.05	0.15	0.0	232,235,0	0.31	2.71e-03	0.02235,208,211	0.42	235	0.85	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.31	9.19e-04	9.19e-04235,213,213			1.00	0.04	0.96
172	0.04	0.15	0.0	232,235,0	0.30	2.71e-03	0.02235,208,211	0.42	235	0.85	0.06	0.94
	6.24e-03	4.14e-03	0.0	229,230,0	0.30	8.94e-04	8.94e-04235,219,219			1.00	0.04	0.96
173	0.05	0.16	0.0	232,235,0	0.31	1.52e-03	0.02235,208,211	0.43	235	0.85	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.31	9.19e-04	9.19e-04235,213,213			1.00	0.04	0.96
174	0.05	0.16	0.0	216,219,0	0.31	7.73e-04	0.02235,207,207	0.43	235	0.85	0.06	0.94
	0.02	0.01	0.0	235,230,0	0.31	9.16e-04	9.16e-04235,209,209			1.00	0.04	0.96
175	0.06	0.17	0.0	216,235,0	0.31	1.59e-03	0.02235,207,215	0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0	235,232,0	0.31	9.16e-04	9.16e-04235,209,209			1.00	0.04	0.96
176	0.04	0.14	0.0	232,235,0	0.34	2.97e-03	0.02235,208,211	0.44	235	0.85	0.06	0.94
	0.01	9.99e-03	0.0	229,230,0	0.34	1.51e-03	1.51e-03235,211,211			1.00	0.04	0.96
177	0.04	0.13	0.0	232,235,0	0.31	2.97e-03	0.02235,208,211	0.43	235	0.85	0.06	0.94
	5.62e-03	4.29e-03	0.0	229,210,0	0.31	1.51e-03	1.51e-03235,211,211			1.00	0.04	0.96
178	0.04	0.14	0.0	232,235,0	0.36	1.57e-03	0.02235,208,211	0.46	235	0.85	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.36	8.30e-04	8.30e-04235,213,213			1.00	0.04	0.96
179	0.04	0.15	0.0	232,219,0	0.40	9.02e-04	0.02235,207,207	0.48	235	0.85	0.06	0.94
	0.01	0.01	0.0	235,230,0	0.40	8.70e-04	8.70e-04235,217,217			1.00	0.04	0.96
180	0.04	0.16	0.0	216,235,0	0.44	1.79e-03	0.02235,207,211	0.51	235	0.85	0.06	0.94

	0.02	0.01	0.0 235,232,0	0.44	1.75e-03	1.75e-03235,205,205			1.00	0.04	0.96
181	0.02	0.08	0.0 232,235,0	0.34	3.45e-03	0.01235,208,211	0.44	235	0.85	0.06	0.94
	8.44e-03	0.01	0.0 205,206,0	0.34	2.05e-03	2.05e-03235,211,211			1.00	0.04	0.96
182	0.02	0.08	0.0 232,235,0	0.31	3.45e-03	0.01235,208,211	0.43	235	0.85	0.06	0.94
	4.66e-03	6.21e-03	0.0 208,211,0	0.31	2.05e-03	2.05e-03235,211,211			1.00	0.04	0.96
183	0.02	0.08	0.0 216,235,0	0.36	1.57e-03	0.01235,208,211	0.46	235	0.85	0.06	0.94
	9.89e-03	0.01	0.0 229,210,0	0.36	1.76e-03	1.76e-03235,207,207			1.00	0.04	0.96
184	0.02	0.08	0.0 216,235,0	0.38	8.28e-04	0.01235,204,211	0.48	235	0.85	0.06	0.94
	9.89e-03	0.01	0.0 229,210,0	0.38	1.93e-03	1.93e-03235,204,204			1.00	0.04	0.96
185	0.02	0.07	0.0 216,219,0	0.40	1.38e-03	9.86e-03235,208,207	0.49	235	0.85	0.06	0.94
	9.59e-03	0.01	0.0 229,234,0	0.40	3.99e-03	3.99e-03235,207,207			1.00	0.04	0.96
186	0.0	0.04	0.0 0,52,0	0.32	3.61e-03	7.15e-03235,208,211	0.43	235	0.0	0.0	0.0
	0.02	0.02	0.0 204,207,0	0.32	4.70e-03	4.70e-03235,204,204			1.00	0.04	0.96
187	0.0	0.04	0.0 0,52,0	0.31	3.61e-03	7.15e-03235,208,211	0.42	235	0.0	0.0	0.0
	0.01	0.01	0.0 204,207,0	0.31	3.57e-03	3.57e-03235,211,211			1.00	0.04	0.96
188	0.0	0.04	0.0 0,52,0	0.33	2.01e-03	6.35e-03235,209,211	0.44	235	0.0	0.0	0.0
	0.02	0.02	0.0 204,207,0	0.33	4.70e-03	4.70e-03235,204,204			1.00	0.04	0.96
189	0.0	0.04	0.0 0,52,0	0.33	8.28e-04	5.34e-03235,204,211	0.44	235	0.0	0.0	0.0
	0.02	0.02	0.0 213,210,0	0.33	3.88e-03	3.88e-03235,211,211			1.00	0.04	0.96
190	0.0	0.04	0.0 0,52,0	0.34	1.15e-03	5.08e-03235,208,211	0.45	235	0.0	0.0	0.0
	0.02	0.02	0.0 205,206,0	0.34	5.43e-03	5.43e-03235,207,207			1.00	0.04	0.96
191	6.85e-03	0.04	0.0 209,52,0	0.32	3.61e-03	7.77e-03232,208,210	0.43	232	0.85	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.32	4.70e-03	4.70e-03232,204,204			1.00	0.04	0.96
192	1.84e-03	0.04	0.0 209,52,0	0.30	3.61e-03	7.10e-03235,208,206	0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.30	3.79e-03	3.79e-03235,211,211			1.00	0.04	0.96
193	0.01	0.05	0.0 209,210,0	0.33	4.14e-03	0.01232,204,210	0.44	232	0.85	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.33	4.70e-03	4.70e-03232,204,204			1.00	0.04	0.96
194	0.02	0.05	0.0 208,211,0	0.34	4.14e-03	0.01232,204,210	0.45	232	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.34	5.79e-03	5.79e-03232,207,207			1.00	0.04	0.96
195	0.02	0.05	0.0 204,211,0	0.34	1.09e-03	8.87e-03232,215,207	0.45	232	0.85	0.06	0.94
	0.03	0.03	0.0 204,216,0	0.34	5.79e-03	5.79e-03232,207,207			1.00	0.04	0.96
196	0.16	0.22	0.0 204,207,0	0.32	7.86e-03	0.04232,207,207	0.43	232	0.85	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.32	0.01	0.01232,207,207			1.00	0.04	0.96
197	0.16	0.22	0.0 204,207,0	0.30	7.86e-03	0.04235,207,207	0.42	235	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.30	4.57e-03	4.57e-03235,207,207			1.00	0.04	0.96
198	0.12	0.17	0.0 204,207,0	0.33	0.01	0.03232,204,207	0.44	232	0.85	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.33	0.01	0.01232,207,207			1.00	0.04	0.96
199	0.07	0.13	0.0 208,211,0	0.34	0.02	0.04232,204,211	0.45	232	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.34	0.01	0.01232,204,204			1.00	0.04	0.96
200	0.06	0.12	0.0 209,210,0	0.34	0.02	0.04232,204,211	0.45	232	0.85	0.06	0.94
	0.03	0.03	0.0 204,216,0	0.34	0.02	0.02232,204,204			1.00	0.04	0.96
201	0.09	0.25	0.0 229,230,0	0.15	2.25e-03	0.03219,212,232	0.29	219	0.85	0.06	0.94
	0.0	0.02	0.0 0,52,0	0.15	3.88e-04	3.88e-04219,216,216			0.0	0.0	0.0
202	0.09	0.25	0.0 229,230,0	0.27	2.26e-03	0.03235,212,232	0.40	235	0.85	0.06	0.94
	1.08e-04	0.02	0.0 229,52,0	0.27	5.73e-04	5.73e-04235,216,216			1.00	0.04	0.96
203	0.07	0.23	0.0 235,232,0	0.17	3.43e-03	0.03219,217,232	0.32	219	0.85	0.06	0.94
	0.0	0.03	0.0 0,52,0	0.17	1.32e-03	1.32e-03219,210,210			0.0	0.0	0.0
204	0.07	0.23	0.0 235,232,0	0.26	3.97e-03	0.03235,217,232	0.39	235	0.85	0.06	0.94
	0.0	0.03	0.0 0,52,0	0.26	1.32e-03	1.32e-03235,210,210			0.0	0.0	0.0
205	0.05	0.21	0.0 229,230,0	0.17	3.43e-03	0.03219,217,230	0.32	219	0.85	0.06	0.94
	0.0	0.03	0.0 0,52,0	0.17	1.32e-03	1.32e-03219,210,210			0.0	0.0	0.0
206	0.05	0.21	0.0 229,230,0	0.25	3.97e-03	0.03235,217,230	0.38	235	0.85	0.06	0.94
	0.0	0.03	0.0 0,52,0	0.25	1.32e-03	1.32e-03235,210,210			0.0	0.0	0.0
207	0.05	0.16	0.0 235,232,0	0.29	2.27e-03	0.02235,218,232	0.41	235	0.85	0.06	0.94
	2.51e-03	0.02	0.0 229,52,0	0.29	6.27e-04	6.27e-04235,216,216			1.00	0.04	0.96
208	0.05	0.16	0.0 235,232,0	0.29	3.97e-03	0.02235,217,232	0.41	235	0.85	0.06	0.94
	0.0	0.02	0.0 0,52,0	0.29	1.17e-03	1.17e-03235,209,209			0.0	0.0	0.0
209	0.04	0.15	0.0 235,232,0	0.29	3.97e-03	0.02235,217,216	0.41	235	0.85	0.06	0.94
	0.0	0.02	0.0 0,52,0	0.29	1.17e-03	1.17e-03235,209,209			0.0	0.0	0.0
210	1.32e-03	0.10	0.0 229,52,0	0.30	2.27e-03	0.01235,218,230	0.42	235	0.85	0.06	0.94
	3.46e-03	0.02	0.0 233,52,0	0.30	6.27e-04	6.27e-04235,216,216			1.00	0.04	0.96
211	0.0	0.10	0.0 0,52,0	0.30	3.52e-03	0.01235,218,230	0.42	235	0.0	0.0	0.0
	2.42e-03	0.02	0.0 216,52,0	0.30	1.19e-03	1.19e-03235,219,219			1.00	0.04	0.96
212	0.0	0.10	0.0 0,52,0	0.30	3.52e-03	0.01235,218,230	0.42	235	0.0	0.0	0.0
	2.42e-03	0.02	0.0 216,52,0	0.30	1.19e-03	1.19e-03235,219,219			1.00	0.04	0.96
213	0.0	0.09	0.0 0,52,0	0.31	2.27e-03	9.80e-03235,218,52	0.43	235	0.0	0.0	0.0
	3.69e-03	0.02	0.0 233,52,0	0.31	3.31e-04	3.31e-04235,205,205			1.00	0.04	0.96
214	0.0	0.09	0.0 0,52,0	0.31	3.22e-03	9.75e-03232,218,52	0.43	232	0.0	0.0	0.0
	3.83e-03	0.02	0.0 230,52,0	0.31	2.49e-03	2.49e-03232,216,216			1.00	0.04	0.96
215	0.0	0.09	0.0 0,52,0	0.31	3.22e-03	9.75e-03232,218,52	0.43	232	0.0	0.0	0.0
	3.83e-03	0.01	0.0 230,217,0	0.31	2.49e-03	2.49e-03232,216,216			1.00	0.04	0.96
216	0.0	0.08	0.0 0,52,0	0.31	2.15e-03	9.08e-03232,218,52	0.43	232	0.0	0.0	0.0
	3.97e-03	0.02	0.0 229,52,0	0.31	3.62e-04	3.62e-04232,212,212			1.00	0.04	0.96
217	0.0	0.08	0.0 0,52,0	0.31	3.34e-03	9.03e-03232,219,52	0.43	232	0.0	0.0	0.0
	6.45e-03	0.02	0.0 230,52,0	0.31	2.49e-03	2.49e-03232,216,216			1.00	0.04	0.96

218	0.0	0.08	0.0	0,52,0	0.31	3.34e-03	9.02e-03232,219,52	0.43	232	0.0	0.0	0.0
	6.45e-03	0.01	0.0	230,233,0	0.31	2.49e-03	2.49e-03232,216,216			1.00	0.04	0.96
219	0.0	0.08	0.0	0,52,0	0.31	2.11e-03	8.97e-03232,219,52	0.43	232	0.0	0.0	0.0
	4.83e-03	0.01	0.0	229,52,0	0.31	4.47e-04	4.47e-04232,206,206			1.00	0.04	0.96
220	0.0	0.08	0.0	0,52,0	0.31	3.34e-03	8.92e-03232,219,52	0.43	232	0.0	0.0	0.0
	8.39e-03	0.02	0.0	230,229,0	0.31	1.74e-03	1.74e-03232,216,216			1.00	0.04	0.96
221	0.0	0.08	0.0	0,52,0	0.31	3.34e-03	8.87e-03232,219,52	0.43	232	0.0	0.0	0.0
	8.39e-03	0.02	0.0	230,229,0	0.31	1.74e-03	1.74e-03232,216,216			1.00	0.04	0.96
222	0.0	0.09	0.0	0,52,0	0.31	2.11e-03	9.90e-03232,219,219	0.43	232	0.0	0.0	0.0
	5.85e-03	0.01	0.0	229,52,0	0.31	8.62e-04	8.62e-04232,211,211			1.00	0.04	0.96
223	0.0	0.09	0.0	0,52,0	0.31	3.24e-03	9.95e-03232,219,219	0.43	232	0.0	0.0	0.0
	9.96e-03	0.02	0.0	230,229,0	0.31	1.17e-03	1.17e-03232,219,219			1.00	0.04	0.96
224	0.0	0.09	0.0	0,52,0	0.31	3.24e-03	9.95e-03232,219,219	0.43	232	0.0	0.0	0.0
	9.96e-03	0.02	0.0	230,229,0	0.31	1.17e-03	1.17e-03232,219,219			1.00	0.04	0.96
225	0.0	0.09	0.0	0,52,0	0.30	2.03e-03	0.01232,219,215	0.42	232	0.0	0.0	0.0
	9.77e-03	0.01	0.0	231,228,0	0.30	2.19e-03	2.19e-03232,211,211			1.00	0.04	0.96
226	0.0	0.09	0.0	0,52,0	0.30	3.26e-03	0.01232,219,219	0.42	232	0.0	0.0	0.0
	0.01	0.02	0.0	230,229,0	0.30	2.19e-03	2.19e-03232,211,211			1.00	0.04	0.96
227	0.0	0.09	0.0	0,52,0	0.30	3.26e-03	0.01232,219,219	0.42	232	0.0	0.0	0.0
	0.01	0.02	0.0	230,229,0	0.30	9.42e-04	9.42e-04232,213,213			1.00	0.04	0.96
228	0.03	0.12	0.0	216,219,0	0.29	1.77e-03	0.02232,207,215	0.42	232	0.85	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.29	3.21e-03	3.21e-03232,207,207			1.00	0.04	0.96
229	0.03	0.12	0.0	216,219,0	0.29	3.26e-03	0.02232,219,219	0.42	232	0.85	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.29	6.09e-03	6.09e-03232,207,207			1.00	0.04	0.96
230	0.02	0.11	0.0	232,235,0	0.29	3.26e-03	0.02232,219,219	0.41	232	0.85	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.29	6.09e-03	6.09e-03232,207,207			1.00	0.04	0.96
231	0.07	0.18	0.0	232,235,0	0.30	2.26e-03	0.02235,207,219	0.42	235	0.85	0.06	0.94
	0.03	0.02	0.0	211,208,0	0.30	3.21e-03	3.21e-03235,207,207			1.00	0.04	0.96
232	0.09	0.20	0.0	232,235,0	0.29	2.82e-03	0.02235,207,219	0.41	235	0.85	0.06	0.94
	0.05	0.04	0.0	207,204,0	0.29	0.01	0.01235,207,207			1.00	0.04	0.96
233	0.09	0.20	0.0	232,235,0	0.26	2.82e-03	0.02232,207,219	0.39	232	0.85	0.06	0.94
	0.05	0.04	0.0	207,204,0	0.26	0.01	0.01232,207,207			1.00	0.04	0.96
234	0.05	0.17	0.0	232,235,0	0.50	2.34e-03	0.02235,207,219	0.54	235	0.85	0.06	0.94
	0.03	0.02	0.0	211,208,0	0.50	3.53e-03	3.53e-03235,211,211			1.00	0.04	0.96
235	0.07	0.18	0.0	232,235,0	0.60	2.34e-03	0.02235,207,219	0.60	235	0.85	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.60	0.02	0.02235,207,207			1.00	0.04	0.96
236	0.07	0.18	0.0	232,235,0	0.60	2.16e-03	0.02235,206,219	0.60	235	0.85	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.60	0.02	0.02235,207,207			1.00	0.04	0.96
237	0.02	0.07	0.0	216,219,0	0.42	1.61e-03	9.38e-03235,209,211	0.50	235	0.85	0.06	0.94
	0.01	0.02	0.0	219,216,0	0.42	4.42e-03	4.42e-03235,207,207			1.00	0.04	0.96
238	0.02	0.06	0.0	216,219,0	0.42	2.88e-03	8.05e-03235,210,211	0.50	235	0.85	0.06	0.94
	0.03	0.03	0.0	207,204,0	0.42	0.01	0.01235,211,211			1.00	0.04	0.96
239	7.13e-03	0.05	0.0	232,235,0	0.42	2.88e-03	7.56e-03235,210,211	0.50	235	0.85	0.06	0.94
	0.03	0.03	0.0	207,204,0	0.42	0.01	0.01235,211,211			1.00	0.04	0.96
240	0.0	0.03	0.0	0,52,0	0.34	1.76e-03	4.98e-03235,209,205	0.45	235	0.0	0.0	0.0
	0.02	0.02	0.0	205,206,0	0.34	5.43e-03	5.43e-03235,207,207			1.00	0.04	0.96
241	0.0	0.03	0.0	0,52,0	0.34	3.99e-03	6.12e-03235,205,206	0.45	235	0.0	0.0	0.0
	0.03	0.03	0.0	207,204,0	0.34	4.42e-03	4.42e-03235,207,207			1.00	0.04	0.96
242	0.0	0.03	0.0	0,52,0	0.33	3.99e-03	6.12e-03235,205,206	0.44	235	0.0	0.0	0.0
	0.03	0.03	0.0	207,204,0	0.33	4.30e-03	4.30e-03235,208,208			1.00	0.04	0.96
243	0.02	0.05	0.0	204,207,0	0.34	3.80e-03	0.01232,204,211	0.45	232	0.85	0.06	0.94
	0.03	0.03	0.0	204,216,0	0.34	5.72e-03	5.72e-03232,207,207			1.00	0.04	0.96
244	0.02	0.04	0.0	204,207,0	0.34	6.13e-03	0.01232,208,211	0.45	232	0.85	0.06	0.94
	0.03	0.03	0.0	231,228,0	0.34	5.40e-03	5.40e-03232,211,211			1.00	0.04	0.96
245	0.01	0.04	0.0	204,207,0	0.33	6.13e-03	0.01232,208,211	0.44	232	0.85	0.06	0.94
	0.03	0.03	0.0	231,228,0	0.33	2.57e-03	2.57e-03232,216,216			1.00	0.04	0.96
246	0.07	0.12	0.0	229,230,0	0.36	0.02	0.04232,206,206	0.46	232	0.85	0.06	0.94
	0.03	0.03	0.0	204,216,0	0.36	0.02	0.02232,204,204			1.00	0.04	0.96
247	0.08	0.13	0.0	229,230,0	0.43	0.01	0.03232,208,206	0.50	232	0.85	0.06	0.94
	0.05	0.04	0.0	235,232,0	0.43	5.40e-03	5.40e-03232,211,211			1.00	0.04	0.96
248	0.08	0.13	0.0	229,230,0	0.43	6.13e-03	0.02232,208,232	0.50	232	0.85	0.06	0.94
	0.05	0.04	0.0	235,232,0	0.43	3.50e-03	3.50e-03232,206,206			1.00	0.04	0.96
2136	0.09	0.20	0.0	232,235,0	0.60	1.68e-03	0.02235,207,219	0.60	235	0.85	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.60	0.02	0.02235,207,207			1.00	0.04	0.96
2927	0.05	0.16	0.0	232,235,0	0.36	1.52e-03	0.02235,208,211	0.46	235	0.85	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.36	9.19e-04	9.19e-04235,213,213			1.00	0.04	0.96
2929	0.05	0.15	0.0	232,235,0	0.33	2.77e-03	0.02235,208,211	0.44	235	0.85	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.33	9.19e-04	9.19e-04235,213,213			1.00	0.04	0.96
2931	0.04	0.15	0.0	232,235,0	0.31	2.77e-03	0.02235,208,211	0.43	235	0.85	0.06	0.94
	6.24e-03	4.15e-03	0.0	229,230,0	0.31	9.13e-04	9.13e-04235,219,219			1.00	0.04	0.96
3684	0.09	0.20	0.0	232,235,0	0.60	2.34e-03	0.02235,207,219	0.60	235	0.85	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.60	0.02	0.02235,207,207			1.00	0.04	0.96
3685	0.07	0.18	0.0	232,235,0	0.50	2.34e-03	0.02235,207,219	0.54	235	0.85	0.06	0.94
	0.03	0.02	0.0	211,208,0	0.50	1.02e-03	1.02e-03235,213,213			1.00	0.04	0.96
3686	0.06	0.17	0.0	216,235,0	0.44	1.79e-03	0.02235,207,215	0.51	235	0.85	0.06	0.94

3687	0.02	0.02	0.0	235,232,0	0.44	1.02e-03	1.02e-03	235,213,213	0.48	235	1.00	0.04	0.96
	0.05	0.16	0.0	216,219,0	0.40	9.02e-04	0.02	235,207,207			0.85	0.06	0.94
	0.02	0.01	0.0	235,230,0	0.40	9.16e-04	9.16e-04	235,209,209			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.29	0.44	0.0	0.60	0.02	0.06	0.60

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
5	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3377	0.07	0.05	0.0	210,209,0	0.05	9.35e-03	9.35e-03	210,21,21	0.17	210	0.36	0.13	0.87
	0.15	0.08	0.0	210,209,0	0.05	0.01	0.01	210,210,210			1.00	0.04	0.96
3378	0.02	0.02	0.0	204,210,0	0.04	4.67e-03	4.67e-03	210,19,19	0.16	210	0.36	0.13	0.87
	0.15	0.08	0.0	210,209,0	0.04	0.01	0.01	210,210,210			1.00	0.04	0.96
3379	0.07	0.05	0.0	210,209,0	0.05	9.35e-03	9.35e-03	210,21,21	0.17	210	0.36	0.13	0.87
	0.11	0.07	0.0	210,209,0	0.05	0.01	0.01	210,18,18			1.00	0.04	0.96
3388	0.02	0.01	0.0	207,204,0	0.06	3.52e-03	5.23e-03	210,19,18	0.18	210	0.36	0.13	0.87
	0.14	0.10	0.0	204,207,0	0.06	0.04	0.04	210,19,19			1.00	0.04	0.96
3389	0.01	0.02	0.0	229,230,0	0.06	6.16e-03	0.01	210,18,18	0.18	210	0.36	0.13	0.87
	0.14	0.10	0.0	204,207,0	0.06	0.04	0.04	210,19,19			1.00	0.04	0.96
3392	0.01	0.02	0.0	229,230,0	0.04	6.16e-03	0.01	210,18,18	0.16	210	0.36	0.13	0.87
	0.12	0.08	0.0	209,210,0	0.04	0.02	0.02	210,18,18			1.00	0.04	0.96
5493	0.02	0.02	0.0	209,210,0	0.06	1.00e-03	5.53e-03	210,210,19	0.19	210	0.36	0.13	0.87
	4.76e-03	3.56e-03	0.0	209,210,0	0.06	0.01	0.01	210,18,18			1.00	0.04	0.96
5494	0.07	0.05	0.0	210,209,0	0.06	9.35e-03	0.02	210,21,15	0.19	210	0.36	0.13	0.87
	0.15	0.08	0.0	210,209,0	0.06	0.01	0.01	210,210,210			1.00	0.04	0.96
5495	8.84e-03	6.54e-03	0.0	209,210,0	0.06	4.18e-03	7.48e-03	210,19,19	0.19	210	0.36	0.13	0.87
	1.89e-03	1.45e-03	0.0	209,210,0	0.06	1.43e-03	1.43e-03	210,18,18			1.00	0.04	0.96
5496	0.04	0.03	0.0	210,209,0	0.06	4.18e-03	0.02	210,19,15	0.19	210	0.36	0.13	0.87
	0.04	0.02	0.0	210,209,0	0.06	1.43e-03	1.43e-03	210,18,18			1.00	0.04	0.96
5497	0.02	0.01	0.0	207,204,0	0.06	4.18e-03	7.48e-03	210,19,19	0.19	210	0.36	0.13	0.87
	0.01	8.28e-03	0.0	15,22,0	0.06	0.01	0.01	210,18,18			1.00	0.04	0.96
5498	0.02	0.02	0.0	207,230,0	0.06	6.16e-03	0.02	210,18,16	0.19	210	0.36	0.13	0.87
	0.14	0.10	0.0	204,207,0	0.06	0.04	0.04	210,19,19			1.00	0.04	0.96
5499	0.07	0.05	0.0	210,209,0	0.05	9.35e-03	0.02	210,21,15	0.17	210	0.36	0.13	0.87
	0.11	0.07	0.0	210,209,0	0.05	0.01	0.01	210,18,18			1.00	0.04	0.96
5500	0.04	0.03	0.0	210,209,0	0.04	4.02e-03	0.02	210,19,15	0.16	210	0.36	0.13	0.87
	0.04	0.02	0.0	210,209,0	0.04	7.62e-04	7.62e-04	210,229,229			1.00	0.04	0.96
5501	0.01	0.02	0.0	229,230,0	0.04	6.16e-03	0.02	210,18,16	0.16	210	0.36	0.13	0.87
	0.12	0.08	0.0	209,210,0	0.04	0.02	0.02	210,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.15	0.10	0.0		0.06	0.04	0.04		0.19				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
6	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
5146	0.02	5.74e-03	0.0	18,19,0	4.50e-03	0.01	0.01	209,15,15	0.05	209	0.53	0.09	0.91
	0.07	0.05	0.0	204,207,0	4.51e-03	0.05	0.05	209,19,19			1.00	0.04	0.96
5153	0.02	5.74e-03	0.0	18,19,0	4.50e-03	0.01	0.01	209,15,15	0.05	209	0.53	0.09	0.91
	0.12	0.09	0.0	19,18,0	4.51e-03	0.05	0.05	209,19,19			1.00	0.04	0.96
5154	9.45e-03	2.70e-03	0.0	207,204,0	3.25e-03	3.04e-03	3.04e-03	209,19,19	0.04	209	0.53	0.09	0.91

	0.12	0.09	0.0	19,18,0	3.25e-03	0.06	0.06	209,19,19		1.00	0.04	0.96	
5155	6.49e-03	4.56e-03	0.0	18,228,0	2.70e-03	2.47e-03	5.60e-03	209,19,17	0.04	209	0.53	0.09	0.91
	0.08	0.07	0.0	19,18,0	2.70e-03	0.06	0.06	209,19,19			1.00	0.04	0.96
5162	0.03	0.02	0.0	210,209,0	5.89e-03	0.01	0.01	209,19,19	0.06	209	0.53	0.09	0.91
	0.07	0.05	0.0	210,209,0	5.89e-03	0.02	0.02	209,15,15			1.00	0.04	0.96
5168	0.03	0.02	0.0	210,209,0	5.89e-03	0.01	0.01	209,19,19	0.06	209	0.53	0.09	0.91
	0.07	0.05	0.0	210,209,0	5.89e-03	0.02	0.02	209,15,15			1.00	0.04	0.96
5170	5.84e-03	1.46e-03	0.0	229,230,0	3.32e-03	3.25e-03	3.25e-03	209,22,22	0.04	209	0.53	0.09	0.91
	0.06	0.04	0.0	210,209,0	3.32e-03	0.01	0.01	209,15,15			1.00	0.04	0.96
5172	7.21e-03	5.02e-03	0.0	229,230,0	2.57e-03	3.25e-03	3.25e-03	209,22,22	0.04	209	0.53	0.09	0.91
	0.06	0.04	0.0	210,209,0	2.57e-03	0.01	0.01	209,15,15			1.00	0.04	0.96
5481	0.03	0.01	0.0	18,19,0	4.50e-03	0.01	0.01	209,15,15	0.05	209	0.53	0.09	0.91
	0.12	0.09	0.0	19,18,0	4.51e-03	0.05	0.05	209,19,19			1.00	0.04	0.96
5482	0.03	0.01	0.0	18,19,0	4.50e-03	5.43e-03	0.01	209,20,229	0.05	209	0.53	0.09	0.91
	0.02	0.01	0.0	209,210,0	4.50e-03	1.91e-03	1.91e-03	209,20,20			1.00	0.04	0.96
5483	0.03	0.02	0.0	18,209,0	5.89e-03	0.01	0.01	209,19,19	0.06	209	0.53	0.09	0.91
	0.07	0.05	0.0	210,209,0	5.89e-03	0.02	0.02	209,15,15			1.00	0.04	0.96
5484	9.45e-03	4.56e-03	0.0	207,228,0	4.39e-03	5.13e-03	5.60e-03	209,22,17	0.05	209	0.53	0.09	0.91
	0.12	0.09	0.0	19,18,0	4.39e-03	0.06	0.06	209,19,19			1.00	0.04	0.96
5490	0.03	0.01	0.0	18,19,0	4.50e-03	0.01	0.01	209,15,15	0.05	209	0.53	0.09	0.91
	0.07	0.05	0.0	204,207,0	4.51e-03	0.05	0.05	209,19,19			1.00	0.04	0.96
5491	0.03	0.01	0.0	18,19,0	3.70e-03	5.43e-03	0.01	209,20,229	0.05	209	0.53	0.09	0.91
	0.02	0.01	0.0	209,210,0	3.70e-03	1.91e-03	1.91e-03	209,20,20			1.00	0.04	0.96
5492	0.03	0.02	0.0	18,209,0	5.89e-03	0.01	0.01	209,19,19	0.06	209	0.53	0.09	0.91
	0.07	0.05	0.0	210,209,0	5.89e-03	0.02	0.02	209,15,15			1.00	0.04	0.96
5551	9.24e-03	3.26e-03	0.0	223,234,0	4.50e-03	5.13e-03	5.13e-03	209,22,22	0.05	209	0.53	0.09	0.91
	0.01	9.73e-03	0.0	209,210,0	4.50e-03	5.96e-03	5.96e-03	209,20,20			1.00	0.04	0.96
5552	9.00e-03	5.02e-03	0.0	18,230,0	4.50e-03	3.25e-03	3.48e-03	209,22,220	0.05	209	0.53	0.09	0.91
	0.06	0.04	0.0	210,209,0	4.50e-03	0.01	0.01	209,15,15			1.00	0.04	0.96
5553	4.40e-03	4.56e-03	0.0	231,228,0	3.84e-03	4.00e-03	5.60e-03	209,22,17	0.05	209	0.53	0.09	0.91
	0.03	0.02	0.0	20,17,0	3.84e-03	0.03	0.03	209,19,19			1.00	0.04	0.96
5554	5.02e-03	3.26e-03	0.0	233,234,0	3.97e-03	4.00e-03	4.25e-03	209,22,20	0.05	209	0.53	0.09	0.91
	8.48e-03	6.40e-03	0.0	20,17,0	3.97e-03	5.96e-03	5.96e-03	209,20,20			1.00	0.04	0.96
5555	7.21e-03	5.02e-03	0.0	229,230,0	3.97e-03	1.66e-03	2.84e-03	209,20,234	0.05	209	0.53	0.09	0.91
	8.11e-03	5.96e-03	0.0	16,17,0	3.97e-03	0.01	0.01	209,15,15			1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.12 0.09 0.0 5.89e-03 0.06 0.06 0.06

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
7	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.0 0.0 0 0.0 0.0 0 0.0 0.0 0.0 0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3398	8.20e-03	0.01	0.0	209,18,0	0.03	5.98e-03	0.01	209,19,18	0.14	209	0.36	0.13	0.87
	0.14	0.09	0.0	210,209,0	0.03	0.04	0.04	209,19,19			1.00	0.04	0.96
3399	0.02	0.01	0.0	209,210,0	0.03	3.80e-03	5.42e-03	209,19,18	0.14	209	0.36	0.13	0.87
	0.14	0.09	0.0	210,209,0	0.03	0.04	0.04	209,19,19			1.00	0.04	0.96
3400	2.98e-03	0.01	0.0	231,18,0	0.02	5.98e-03	0.01	209,19,18	0.12	209	0.36	0.13	0.87
	0.11	0.07	0.0	207,204,0	0.02	0.02	0.02	209,19,19			1.00	0.04	0.96
3412	0.02	0.01	0.0	207,204,0	0.02	5.37e-03	7.45e-03	209,19,18	0.12	209	0.36	0.13	0.87
	0.11	0.07	0.0	204,207,0	0.02	9.99e-03	9.99e-03	209,18,18			1.00	0.04	0.96
3413	0.07	0.05	0.0	209,210,0	0.03	9.51e-03	0.02	209,18,18	0.13	209	0.36	0.13	0.87
	0.11	0.07	0.0	204,207,0	0.03	9.89e-03	9.89e-03	209,18,18			1.00	0.04	0.96
3416	0.07	0.05	0.0	209,210,0	0.03	9.51e-03	0.02	209,18,18	0.13	209	0.36	0.13	0.87
	0.09	0.06	0.0	204,207,0	0.03	9.89e-03	9.89e-03	209,18,18			1.00	0.04	0.96
5517	0.02	0.01	0.0	209,210,0	0.04	4.44e-03	7.92e-03	209,19,19	0.14	209	0.36	0.13	0.87
	0.01	7.99e-03	0.0	16,21,0	0.04	0.01	0.01	209,19,19			1.00	0.04	0.96
5518	0.02	0.02	0.0	229,230,0	0.04	5.98e-03	0.02	209,19,18	0.14	209	0.36	0.13	0.87
	0.14	0.09	0.0	210,209,0	0.04	0.04	0.04	209,19,19			1.00	0.04	0.96
5519	8.37e-03	6.37e-03	0.0	223,220,0	0.04	4.44e-03	7.92e-03	209,19,19	0.14	209	0.36	0.13	0.87
	1.89e-03	1.14e-03	0.0	210,209,0	0.04	1.55e-03	1.55e-03	209,18,18			1.00	0.04	0.96
5520	0.04	0.04	0.0	209,210,0	0.04	4.44e-03	0.02	209,19,18	0.14	209	0.36	0.13	0.87
	0.03	0.02	0.0	209,210,0	0.04	1.55e-03	1.55e-03	209,18,18			1.00	0.04	0.96
5521	0.02	0.01	0.0	207,204,0	0.03	1.16e-03	6.35e-03	209,18,19	0.14	209	0.36	0.13	0.87
	3.13e-03	2.37e-03	0.0	20,17,0	0.03	9.99e-03	9.99e-03	209,18,18			1.00	0.04	0.96

5522	0.07	0.05	0.0 209,210,0	0.03	9.51e-03	0.02 209,18,18	0.14	209	0.36	0.13	0.87
	0.11	0.07	0.0 204,207,0	0.03	9.99e-03	9.99e-03 209,18,18			1.00	0.04	0.96
5523	0.02	0.02	0.0 229,230,0	0.02	5.98e-03	0.02 209,19,18	0.12	209	0.36	0.13	0.87
	0.11	0.07	0.0 207,204,0	0.02	0.02	0.02 209,19,19			1.00	0.04	0.96
5548	0.04	0.04	0.0 209,210,0	0.03	4.22e-03	0.02 209,18,18	0.12	209	0.36	0.13	0.87
	0.03	0.02	0.0 209,210,0	0.03	6.12e-04	6.12e-04 209,18,18			1.00	0.04	0.96
5549	0.07	0.05	0.0 209,210,0	0.03	9.51e-03	0.02 209,18,18	0.13	209	0.36	0.13	0.87
	0.09	0.06	0.0 204,207,0	0.03	9.89e-03	9.89e-03 209,18,18			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.09	0.0	0.04	0.04	0.04	0.14

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
10	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN	0	0.0	kN	0	0.0	kN	kN m	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3446	0.08	0.06	0.0 207,204,0		0.05	9.50e-03	0.02 207,18,18		0.18	207	0.36	0.13	0.87
	0.14	0.08	0.0 210,209,0		0.05	9.89e-03	9.89e-03 207,18,18				1.00	0.04	0.96
3447	0.03	0.02	0.0 209,210,0		0.05	5.37e-03	7.42e-03 207,19,22		0.16	207	0.36	0.13	0.87
	0.14	0.08	0.0 210,209,0		0.05	9.98e-03	9.98e-03 207,18,18				1.00	0.04	0.96
3448	0.08	0.06	0.0 207,204,0		0.05	9.50e-03	0.02 207,18,18		0.18	207	0.36	0.13	0.87
	0.11	0.07	0.0 210,209,0		0.05	9.89e-03	9.89e-03 207,18,18				1.00	0.04	0.96
3460	0.02	0.01	0.0 207,204,0		0.06	3.80e-03	5.38e-03 210,19,18		0.19	210	0.36	0.13	0.87
	0.15	0.10	0.0 204,207,0		0.06	0.04	0.04 210,19,19				1.00	0.04	0.96
3461	0.01	0.02	0.0 229,230,0		0.06	5.98e-03	0.01 210,18,18		0.19	210	0.36	0.13	0.87
	0.15	0.10	0.0 204,207,0		0.06	0.04	0.04 210,19,19				1.00	0.04	0.96
3464	0.01	0.02	0.0 229,230,0		0.04	5.98e-03	0.01 210,18,18		0.16	210	0.36	0.13	0.87
	0.12	0.08	0.0 209,210,0		0.04	0.02	0.02 210,15,15				1.00	0.04	0.96
5556	0.03	0.02	0.0 209,210,0		0.06	1.15e-03	6.35e-03 207,19,19		0.19	207	0.36	0.13	0.87
	3.70e-03	2.82e-03	0.0 209,210,0		0.06	9.98e-03	9.98e-03 207,18,18				1.00	0.04	0.96
5557	0.08	0.06	0.0 207,204,0		0.06	9.50e-03	0.02 207,18,18		0.19	207	0.36	0.13	0.87
	0.14	0.08	0.0 210,209,0		0.06	9.98e-03	9.98e-03 207,18,18				1.00	0.04	0.96
5558	0.01	9.56e-03	0.0 229,230,0		0.07	4.43e-03	7.93e-03 207,19,19		0.20	207	0.36	0.13	0.87
	1.57e-03	1.21e-03	0.0 209,210,0		0.07	1.54e-03	1.54e-03 207,18,18				1.00	0.04	0.96
5559	0.05	0.04	0.0 207,204,0		0.07	4.43e-03	0.02 207,19,18		0.20	207	0.36	0.13	0.87
	0.04	0.03	0.0 210,209,0		0.07	1.54e-03	1.54e-03 207,18,18				1.00	0.04	0.96
5560	0.02	0.01	0.0 207,204,0		0.07	4.43e-03	7.93e-03 207,19,19		0.20	207	0.36	0.13	0.87
	0.01	8.09e-03	0.0 16,21,0		0.07	0.01	0.01 207,18,18				1.00	0.04	0.96
5561	0.02	0.02	0.0 207,18,0		0.07	5.98e-03	0.02 207,18,18		0.20	207	0.36	0.13	0.87
	0.15	0.10	0.0 204,207,0		0.07	0.04	0.04 207,19,19				1.00	0.04	0.96
5562	0.08	0.06	0.0 207,204,0		0.05	9.50e-03	0.02 207,18,18		0.18	207	0.36	0.13	0.87
	0.11	0.07	0.0 210,209,0		0.05	9.89e-03	9.89e-03 207,18,18				1.00	0.04	0.96
5563	0.05	0.04	0.0 207,204,0		0.05	4.21e-03	0.02 207,19,18		0.16	207	0.36	0.13	0.87
	0.04	0.03	0.0 210,209,0		0.05	6.10e-04	6.10e-04 207,18,18				1.00	0.04	0.96
5564	0.02	0.02	0.0 223,18,0		0.04	5.98e-03	0.02 210,18,18		0.16	210	0.36	0.13	0.87
	0.12	0.08	0.0 209,210,0		0.04	0.02	0.02 210,15,15				1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.10	0.0	0.07	0.04	0.04	0.20

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
11	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN	0	0.0	kN	0	0.0	kN	kN m	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B

249	0.02	0.02	0.0 214,213,0	0.03	5.96e-03	0.02 216,45,44	0.12	216	0.36	0.13	0.87
	0.12	0.07	0.0 216,219,0	0.03	0.02	0.02 216,45,45			1.00	0.04	0.96
305	0.02	0.02	0.0 214,213,0	0.03	5.96e-03	0.02 219,45,44	0.14	219	0.36	0.13	0.87
	0.15	0.09	0.0 213,214,0	0.03	0.04	0.04 219,44,44			1.00	0.04	0.96
306	0.01	9.01e-03	0.0 218,217,0	0.03	4.52e-03	8.08e-03 219,44,44	0.14	219	0.36	0.13	0.87
	0.01	7.81e-03	0.0 44,45,0	0.03	0.01	0.01 219,45,45			1.00	0.04	0.96
309	0.04	0.04	0.0 214,213,0	0.03	4.52e-03	0.02 219,44,44	0.14	219	0.36	0.13	0.87
	0.03	0.02	0.0 219,216,0	0.03	1.56e-03	1.56e-03 219,44,44			1.00	0.04	0.96
311	8.92e-03	6.97e-03	0.0 224,227,0	0.03	4.52e-03	8.08e-03 219,44,44	0.14	219	0.36	0.13	0.87
	2.23e-03	1.23e-03	0.0 213,214,0	0.03	1.56e-03	1.56e-03 219,44,44			1.00	0.04	0.96
313	0.07	0.05	0.0 218,217,0	0.03	9.54e-03	0.02 219,44,44	0.14	219	0.36	0.13	0.87
	0.11	0.07	0.0 219,216,0	0.03	9.83e-03	9.83e-03 219,45,45			1.00	0.04	0.96
315	0.02	0.01	0.0 212,215,0	0.03	1.25e-03	6.60e-03 219,44,44	0.14	219	0.36	0.13	0.87
	3.10e-03	2.05e-03	0.0 217,47,0	0.03	9.83e-03	9.83e-03 219,45,45			1.00	0.04	0.96
2543	7.62e-03	0.01	0.0 218,44,0	0.03	5.96e-03	0.01 216,45,44	0.14	216	0.36	0.13	0.87
	0.15	0.09	0.0 213,214,0	0.03	0.04	0.04 216,44,44			1.00	0.04	0.96
2544	0.01	9.20e-03	0.0 218,217,0	0.03	3.88e-03	5.42e-03 216,44,44	0.14	216	0.36	0.13	0.87
	0.15	0.09	0.0 213,214,0	0.03	0.04	0.04 216,44,44			1.00	0.04	0.96
2545	4.08e-03	0.01	0.0 226,44,0	0.03	5.96e-03	0.01 216,45,44	0.12	216	0.36	0.13	0.87
	0.12	0.07	0.0 216,219,0	0.03	0.02	0.02 216,45,45			1.00	0.04	0.96
2557	0.02	0.01	0.0 212,215,0	0.02	5.55e-03	7.89e-03 219,44,44	0.11	219	0.36	0.13	0.87
	0.11	0.07	0.0 219,216,0	0.02	9.83e-03	9.83e-03 219,45,45			1.00	0.04	0.96
2558	0.07	0.05	0.0 218,217,0	0.03	9.54e-03	0.02 219,44,44	0.13	219	0.36	0.13	0.87
	0.11	0.07	0.0 219,216,0	0.03	9.64e-03	9.64e-03 219,45,45			1.00	0.04	0.96
2561	0.07	0.05	0.0 218,217,0	0.03	9.54e-03	0.02 219,44,44	0.13	219	0.36	0.13	0.87
	0.09	0.06	0.0 219,216,0	0.03	9.64e-03	9.64e-03 219,45,45			1.00	0.04	0.96
5431	0.04	0.04	0.0 214,213,0	0.02	4.27e-03	0.02 219,44,44	0.12	219	0.36	0.13	0.87
	0.03	0.02	0.0 219,216,0	0.02	6.24e-04	6.24e-04 219,44,44			1.00	0.04	0.96
5432	0.07	0.05	0.0 218,217,0	0.03	9.54e-03	0.02 219,44,44	0.13	219	0.36	0.13	0.87
	0.09	0.06	0.0 219,216,0	0.03	9.64e-03	9.64e-03 219,45,45			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.09	0.0	0.03	0.04	0.04	0.14

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
12	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN	0	0.0	kN	0	0.0	kN	kN m	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4803	0.02	0.02	0.0 204,207,0	8.82e-03	0.03		0.04 207,18,19		0.07	207	0.53	0.09	0.91
	0.04	0.03	0.0 209,210,0	8.82e-03	9.78e-03	9.78e-03	0.04 207,18,18				1.00	0.04	0.96
4810	0.02	0.02	0.0 204,207,0	8.82e-03	0.03		0.04 207,18,19		0.07	207	0.53	0.09	0.91
	0.04	0.03	0.0 209,210,0	8.82e-03	9.78e-03	9.78e-03	0.04 207,18,18				1.00	0.04	0.96
4811	0.01	5.43e-03	0.0 18,19,0	4.89e-03	0.01		0.01 207,19,19		0.05	207	0.53	0.09	0.91
	0.02	0.04	0.0 209,59,0	4.89e-03	0.01		0.01 207,19,19				1.00	0.04	0.96
4812	6.99e-03	3.76e-03	0.0 18,220,0	4.20e-03	0.01		0.01 207,19,19		0.05	207	0.53	0.09	0.91
	5.83e-03	0.04	0.0 229,59,0	4.20e-03	0.01		0.01 207,18,18				1.00	0.04	0.96
5180	0.04	0.03	0.0 18,19,0	8.82e-03	0.03		0.04 207,18,19		0.07	207	0.53	0.09	0.91
	0.04	0.03	0.0 209,210,0	8.82e-03	9.78e-03	9.78e-03	0.04 207,18,18				1.00	0.04	0.96
5182	0.06	0.04	0.0 18,19,0	2.66e-03	2.74e-03	2.74e-03	0.04 207,19,19		0.04	207	0.53	0.09	0.91
	3.36e-03	1.90e-03	0.0 207,204,0	2.66e-03	1.07e-03	1.07e-03	0.04 207,18,18				1.00	0.04	0.96
5184	0.06	0.03	0.0 18,19,0	4.53e-03	0.02		0.02 207,19,19		0.05	207	0.53	0.09	0.91
	9.07e-03	6.85e-03	0.0 230,229,0	4.52e-03	3.50e-03	3.50e-03	0.04 207,18,18				1.00	0.04	0.96
5187	0.06	0.03	0.0 18,19,0	2.09e-03	6.60e-03	6.60e-03	0.04 207,17,17		0.04	207	0.53	0.09	0.91
	0.01	8.68e-03	0.0 204,207,0	2.09e-03	2.75e-03	2.75e-03	0.04 207,19,19				1.00	0.04	0.96
5188	0.06	0.04	0.0 18,19,0	3.56e-03	9.66e-03		0.02207,19,230		0.05	207	0.53	0.09	0.91
	4.33e-03	2.99e-03	0.0 229,230,0	3.56e-03	2.67e-03	2.67e-03	0.04 207,19,19				1.00	0.04	0.96
5189	0.04	0.03	0.0 18,19,0	8.82e-03	0.03		0.04 207,18,19		0.07	207	0.53	0.09	0.91
	0.04	0.03	0.0 209,210,0	8.82e-03	9.78e-03	9.78e-03	0.04 207,18,18				1.00	0.04	0.96
5190	0.02	0.02	0.0 18,19,0	4.89e-03	0.01		0.01 207,19,19		0.05	207	0.53	0.09	0.91
	0.02	0.04	0.0 209,59,0	4.89e-03	0.01		0.01 207,18,18				1.00	0.04	0.96
5191	8.05e-03	5.51e-03	0.0 17,20,0	4.40e-03	3.05e-03	3.05e-03	0.05-03207,235,235		0.05	207	0.53	0.09	0.91
	5.97e-03	8.02e-03	0.0 21,230,0	4.40e-03	0.01		0.01 207,18,18				1.00	0.04	0.96
5192	0.06	0.03	0.0 18,19,0	4.78e-03	0.02		0.02 207,19,19		0.05	207	0.53	0.09	0.91
	0.01	8.54e-03	0.0 22,18,0	4.78e-03	3.50e-03	3.50e-03	0.04 207,18,18				1.00	0.04	0.96
5193	0.03	0.02	0.0 18,19,0	4.78e-03	8.82e-03	9.14e-03	0.04-03207,18,220		0.05	207	0.53	0.09	0.91

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2593 DI 2790

	0.01	8.54e-03	0.0	22,18,0	4.78e-03	8.10e-03	8.10e-03 207,19,19			1.00	0.04	0.96
5194	9.21e-03	6.52e-03	0.0	17,20,0	4.40e-03	2.49e-03	2.52e-03207,15,228	0.05	207	0.53	0.09	0.91
	8.47e-03	6.43e-03	0.0	22,15,0	4.40e-03	8.10e-03	8.10e-03 207,19,19			1.00	0.04	0.96
5195	0.06	0.04	0.0	18,19,0	4.66e-03	9.66e-03	0.02207,19,230	0.05	207	0.53	0.09	0.91
	0.01	8.05e-03	0.0	22,15,0	4.66e-03	2.67e-03	2.67e-03 207,19,19			1.00	0.04	0.96
5196	0.03	0.02	0.0	18,19,0	4.66e-03	3.93e-03	9.32e-03207,18,224	0.05	207	0.53	0.09	0.91
	0.01	8.05e-03	0.0	22,15,0	4.66e-03	8.10e-03	8.10e-03 207,19,19			1.00	0.04	0.96
5197	0.01	7.39e-03	0.0	17,20,0	4.19e-03	2.49e-03	4.34e-03207,15,232	0.05	207	0.53	0.09	0.91
	8.47e-03	6.43e-03	0.0	22,15,0	4.19e-03	8.10e-03	8.10e-03 207,19,19			1.00	0.04	0.96
5204	0.03	0.01	0.0	18,19,0	2.55e-03	0.02	0.02 204,19,19	0.04	204	0.53	0.09	0.91
	0.07	0.05	0.0	19,18,0	2.55e-03	0.06	0.06 204,19,19			1.00	0.04	0.96
5210	0.03	0.01	0.0	18,19,0	2.55e-03	0.02	0.02 204,19,19	0.04	204	0.53	0.09	0.91
	0.14	0.10	0.0	19,18,0	2.55e-03	0.06	0.06 204,19,19			1.00	0.04	0.96
5212	6.91e-03	1.21e-03	0.0	18,220,0	2.08e-03	2.67e-03	2.70e-03204,230,226	0.04	204	0.53	0.09	0.91
	0.14	0.10	0.0	19,18,0	2.08e-03	0.07	0.07 204,19,19			1.00	0.04	0.96
5214	6.88e-03	6.00e-03	0.0	229,230,0	1.63e-03	2.67e-03	6.67e-03204,230,17	0.03	204	0.53	0.09	0.91
	0.10	0.07	0.0	19,18,0	1.63e-03	0.07	0.07 204,19,19			1.00	0.04	0.96
5240	0.05	0.03	0.0	18,19,0	2.55e-03	0.02	0.02 204,19,19	0.04	204	0.53	0.09	0.91
	0.07	0.05	0.0	19,18,0	2.55e-03	0.06	0.06 204,19,19			1.00	0.04	0.96
5242	0.06	0.04	0.0	18,19,0	4.34e-03	5.49e-03	9.32e-03207,19,224	0.05	207	0.53	0.09	0.91
	6.00e-03	4.34e-03	0.0	22,19,0	4.34e-03	1.07e-03	1.07e-03 207,18,18			1.00	0.04	0.96
5244	0.06	0.03	0.0	18,19,0	3.61e-03	0.01	0.01 207,17,17	0.05	207	0.53	0.09	0.91
	0.01	0.01	0.0	15,19,0	3.61e-03	2.75e-03	2.75e-03 207,19,19			1.00	0.04	0.96
5245	0.05	0.03	0.0	18,19,0	2.66e-03	0.02	0.02 207,19,19	0.04	207	0.53	0.09	0.91
	0.14	0.10	0.0	19,18,0	2.66e-03	0.06	0.06 207,19,19			1.00	0.04	0.96
5246	0.03	0.02	0.0	18,19,0	4.34e-03	5.49e-03	9.55e-03 207,19,16	0.05	207	0.53	0.09	0.91
	6.00e-03	4.34e-03	0.0	22,19,0	4.34e-03	5.00e-03	5.00e-03 207,19,19			1.00	0.04	0.96
5248	0.03	0.02	0.0	18,19,0	3.61e-03	0.01	0.01 207,17,17	0.05	207	0.53	0.09	0.91
	0.01	0.01	0.0	15,19,0	3.61e-03	7.51e-03	7.51e-03 207,19,19			1.00	0.04	0.96
5249	0.02	6.97e-03	0.0	18,19,0	2.66e-03	0.01	0.01 207,17,17	0.04	207	0.53	0.09	0.91
	0.14	0.10	0.0	19,18,0	2.66e-03	0.07	0.07 207,19,19			1.00	0.04	0.96
5250	0.01	7.39e-03	0.0	17,20,0	3.77e-03	2.84e-03	9.55e-03 207,16,16	0.05	207	0.53	0.09	0.91
	4.27e-03	3.50e-03	0.0	22,15,0	3.77e-03	5.00e-03	5.00e-03 207,19,19			1.00	0.04	0.96
5479	9.61e-03	7.14e-03	0.0	18,19,0	3.06e-03	5.26e-03	9.55e-03 207,18,16	0.04	207	0.53	0.09	0.91
	0.01	7.81e-03	0.0	22,15,0	3.06e-03	7.51e-03	7.51e-03 207,19,19			1.00	0.04	0.96
5480	6.88e-03	6.00e-03	0.0	229,230,0	2.37e-03	5.26e-03	8.38e-03 207,18,15	0.04	207	0.53	0.09	0.91
	0.03	0.02	0.0	20,15,0	2.37e-03	0.04	0.04 207,19,19			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.14	0.10	0.0		8.82e-03	0.07	0.07		0.07			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
13	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.66	-145.7	200	0.65	-143.8	200	0.53	-4.319e+04	4.935e+06	235

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
259	0.11	0.20	0.0	235,232,0	0.18	0.03	0.05232,216,216	0.32	232	0.85	0.06	0.94	
	0.03	0.02	0.0	216,213,0	0.18	0.03	0.03232,216,216			1.00	0.04	0.96	
260	0.11	0.19	0.0	235,232,0	0.18	0.03	0.05232,216,216	0.32	232	0.85	0.06	0.94	
	0.01	0.02	0.0	214,213,0	0.18	0.01	0.01232,216,216			1.00	0.04	0.96	
262	0.09	0.21	0.0	235,232,0	0.17	5.03e-03	0.03232,216,216	0.32	232	0.85	0.06	0.94	
	0.03	0.02	0.0	216,213,0	0.17	0.03	0.03232,216,216			1.00	0.04	0.96	
264	0.06	0.21	0.0	235,232,0	0.17	7.94e-03	0.04232,216,216	0.31	232	0.85	0.06	0.94	
	0.02	0.02	0.0	214,44,0	0.17	0.02	0.02232,216,216			1.00	0.04	0.96	
266	0.04	0.21	0.0	235,52,0	0.16	8.81e-03	0.04232,216,216	0.30	232	0.85	0.06	0.94	
	0.01	0.02	0.0	214,44,0	0.16	0.01	0.01232,216,216			1.00	0.04	0.96	
273	0.02	0.21	0.0	235,52,0	0.15	8.89e-03	0.03235,216,216	0.30	235	0.85	0.06	0.94	
	8.36e-03	0.03	0.0	19,44,0	0.15	8.97e-03	8.97e-03235,216,216			1.00	0.04	0.96	
275	0.01	0.33	0.0	235,52,0	0.27	8.89e-03	0.04235,216,232	0.40	235	0.85	0.06	0.94	
	1.96e-03	0.03	0.0	19,44,0	0.27	5.00e-03	5.00e-03235,216,216			1.00	0.04	0.96	
277	0.0	0.33	0.0	0,52,0	0.27	7.92e-03	0.04235,208,232	0.40	235	0.0	0.0	0.0	
	1.96e-03	0.03	0.0	19,44,0	0.27	3.87e-03	3.87e-03235,219,219			1.00	0.04	0.96	
321	0.11	0.25	0.0	235,52,0	0.20	0.03	0.05235,216,216	0.34	235	0.85	0.06	0.94	
	0.06	0.04	0.0	219,216,0	0.20	0.03	0.03235,216,216			1.00	0.04	0.96	
322	0.11	0.25	0.0	235,52,0	0.18	0.03	0.05235,216,216	0.33	235	0.85	0.06	0.94	
	0.03	0.02	0.0	219,216,0	0.18	0.01	0.01235,216,216			1.00	0.04	0.96	

323	0.09	0.23	0.0	235,52,0	0.20	6.10e-03	0.03235,216,216	0.35	235	0.85	0.06	0.94
	0.06	0.04	0.0	219,216,0	0.20	0.03	0.03235,216,216			1.00	0.04	0.96
324	0.06	0.22	0.0	235,52,0	0.20	7.94e-03	0.04235,216,216	0.35	235	0.85	0.06	0.94
	0.05	0.04	0.0	219,216,0	0.20	0.02	0.02235,216,216			1.00	0.04	0.96
325	0.04	0.21	0.0	235,52,0	0.21	8.81e-03	0.04235,216,216	0.35	235	0.85	0.06	0.94
	0.04	0.03	0.0	219,216,0	0.21	0.01	0.01235,216,216			1.00	0.04	0.96
326	0.0	0.25	0.0	0,52,0	0.20	0.01	0.03235,216,216	0.34	235	0.0	0.0	0.0
	0.06	0.04	0.0	219,216,0	0.20	4.81e-03	4.81e-03235,216,216			1.00	0.04	0.96
327	0.0	0.25	0.0	0,52,0	0.19	0.01	0.03232,216,216	0.33	232	0.0	0.0	0.0
	0.03	0.02	0.0	219,216,0	0.19	4.51e-03	4.51e-03232,208,208			1.00	0.04	0.96
328	0.0	0.23	0.0	0,52,0	0.20	6.10e-03	0.03235,216,216	0.35	235	0.0	0.0	0.0
	0.06	0.04	0.0	219,216,0	0.20	7.41e-03	7.41e-03235,216,216			1.00	0.04	0.96
329	0.0	0.22	0.0	0,52,0	0.20	3.76e-03	0.03235,216,216	0.35	235	0.0	0.0	0.0
	0.06	0.04	0.0	216,216,0	0.20	7.47e-03	7.47e-03235,216,216			1.00	0.04	0.96
330	0.0	0.21	0.0	0,52,0	0.21	4.95e-03	0.03235,216,216	0.35	235	0.0	0.0	0.0
	0.05	0.04	0.0	219,216,0	0.21	7.47e-03	7.47e-03235,216,216			1.00	0.04	0.96
331	0.0	0.20	0.0	0,52,0	0.20	3.42e-03	0.02232,208,52	0.34	232	0.0	0.0	0.0
	0.05	0.04	0.0	216,219,0	0.20	5.90e-03	5.90e-03232,216,216			1.00	0.04	0.96
332	0.0	0.20	0.0	0,52,0	0.19	2.37e-03	0.02232,218,52	0.33	232	0.0	0.0	0.0
	0.02	0.02	0.0	216,219,0	0.19	4.51e-03	4.51e-03232,208,208			1.00	0.04	0.96
333	0.0	0.20	0.0	0,52,0	0.20	3.42e-03	0.02232,208,52	0.35	232	0.0	0.0	0.0
	0.06	0.04	0.0	216,216,0	0.20	5.90e-03	5.90e-03232,216,216			1.00	0.04	0.96
334	0.0	0.20	0.0	0,52,0	0.20	1.41e-03	0.02232,208,52	0.35	232	0.0	0.0	0.0
	0.06	0.04	0.0	216,216,0	0.20	5.83e-03	5.83e-03232,216,216			1.00	0.04	0.96
335	0.0	0.20	0.0	0,52,0	0.20	2.66e-03	0.02232,208,52	0.35	232	0.0	0.0	0.0
	0.05	0.04	0.0	219,216,0	0.20	3.67e-03	3.67e-03232,216,216			1.00	0.04	0.96
336	0.0	0.21	0.0	0,52,0	0.20	2.92e-03	0.02232,214,52	0.34	232	0.0	0.0	0.0
	0.04	0.03	0.0	216,219,0	0.20	5.90e-03	5.90e-03232,216,216			1.00	0.04	0.96
337	0.0	0.21	0.0	0,52,0	0.19	2.92e-03	0.02232,214,52	0.33	232	0.0	0.0	0.0
	0.01	0.01	0.0	216,219,0	0.19	3.15e-03	3.15e-03232,208,208			1.00	0.04	0.96
338	0.0	0.21	0.0	0,52,0	0.20	1.70e-03	0.02232,214,52	0.35	232	0.0	0.0	0.0
	0.04	0.04	0.0	216,219,0	0.20	6.42e-03	6.42e-03232,216,216			1.00	0.04	0.96
339	0.0	0.21	0.0	0,52,0	0.21	7.76e-04	0.02232,208,52	0.35	232	0.0	0.0	0.0
	0.04	0.04	0.0	216,219,0	0.21	6.42e-03	6.42e-03232,216,216			1.00	0.04	0.96
340	0.0	0.21	0.0	0,52,0	0.21	1.27e-03	0.02232,213,52	0.35	232	0.0	0.0	0.0
	0.04	0.04	0.0	219,216,0	0.21	5.63e-03	5.63e-03232,216,216			1.00	0.04	0.96
341	0.0	0.23	0.0	0,52,0	0.21	4.48e-03	0.03232,216,52	0.35	232	0.0	0.0	0.0
	0.02	0.02	0.0	216,219,0	0.21	5.19e-03	5.19e-03232,216,216			1.00	0.04	0.96
342	0.0	0.23	0.0	0,52,0	0.19	4.48e-03	0.03232,216,52	0.34	232	0.0	0.0	0.0
	9.24e-03	9.34e-03	0.0	216,219,0	0.19	2.24e-03	2.24e-03232,208,208			1.00	0.04	0.96
343	0.0	0.23	0.0	0,52,0	0.22	3.13e-03	0.03232,216,52	0.36	232	0.0	0.0	0.0
	0.03	0.03	0.0	216,219,0	0.22	6.42e-03	6.42e-03232,216,216			1.00	0.04	0.96
344	0.0	0.23	0.0	0,52,0	0.22	1.40e-03	0.03232,216,52	0.36	232	0.0	0.0	0.0
	0.03	0.03	0.0	216,216,0	0.22	6.42e-03	6.42e-03232,216,216			1.00	0.04	0.96
345	0.0	0.23	0.0	0,52,0	0.22	1.94e-03	0.03232,216,52	0.36	232	0.0	0.0	0.0
	0.03	0.03	0.0	219,216,0	0.22	5.63e-03	5.63e-03232,216,216			1.00	0.04	0.96
346	0.02	0.21	0.0	235,52,0	0.21	8.89e-03	0.03235,216,216	0.35	235	0.85	0.06	0.94
	0.02	0.03	0.0	219,44,0	0.21	8.97e-03	8.97e-03235,216,216			1.00	0.04	0.96
347	0.01	0.33	0.0	235,52,0	0.27	8.89e-03	0.04235,216,232	0.40	235	0.85	0.06	0.94
	6.80e-03	0.03	0.0	219,44,0	0.27	5.00e-03	5.00e-03235,216,216			1.00	0.04	0.96
348	0.0	0.25	0.0	0,52,0	0.21	6.86e-03	0.03232,208,52	0.35	232	0.0	0.0	0.0
	0.0	0.02	0.0	0,28,0	0.21	3.87e-03	3.87e-03232,219,219			0.0	0.0	0.0
349	0.0	0.21	0.0	0,52,0	0.21	4.97e-03	0.02235,208,216	0.35	235	0.0	0.0	0.0
	0.03	0.03	0.0	219,216,0	0.21	5.34e-03	5.34e-03235,216,216			1.00	0.04	0.96
350	0.0	0.21	0.0	0,52,0	0.21	5.30e-03	0.02235,208,52	0.35	235	0.0	0.0	0.0
	0.01	0.03	0.0	219,216,0	0.21	4.47e-03	4.47e-03235,216,216			1.00	0.04	0.96
351	0.0	0.19	0.0	0,52,0	0.20	5.30e-03	0.02235,208,52	0.35	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,28,0	0.20	2.25e-03	2.25e-03235,213,213			0.0	0.0	0.0
352	0.0	0.20	0.0	0,52,0	0.20	3.20e-03	0.02235,208,52	0.35	235	0.0	0.0	0.0
	0.03	0.03	0.0	219,216,0	0.20	2.11e-03	2.11e-03235,216,216			1.00	0.04	0.96
353	0.0	0.20	0.0	0,52,0	0.20	3.20e-03	0.02235,208,52	0.35	235	0.0	0.0	0.0
	0.01	0.03	0.0	219,216,0	0.20	3.66e-03	3.66e-03235,213,213			1.00	0.04	0.96
354	0.0	0.19	0.0	0,52,0	0.20	2.89e-03	0.02235,208,52	0.35	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.20	3.66e-03	3.66e-03235,213,213			0.0	0.0	0.0
355	0.0	0.21	0.0	0,52,0	0.21	1.89e-03	0.02232,214,52	0.35	232	0.0	0.0	0.0
	0.03	0.03	0.0	219,216,0	0.21	4.28e-03	4.28e-03232,216,216			1.00	0.04	0.96
356	0.0	0.21	0.0	0,52,0	0.21	2.65e-03	0.02232,219,52	0.35	232	0.0	0.0	0.0
	9.90e-03	0.03	0.0	219,216,0	0.21	3.66e-03	3.66e-03232,213,213			1.00	0.04	0.96
357	0.0	0.20	0.0	0,52,0	0.20	2.65e-03	0.02232,219,52	0.35	232	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.20	3.66e-03	3.66e-03232,213,213			0.0	0.0	0.0
358	0.0	0.22	0.0	0,52,0	0.22	3.26e-03	0.03232,216,52	0.36	232	0.0	0.0	0.0
	0.02	0.03	0.0	219,52,0	0.22	4.37e-03	4.37e-03232,216,216			1.00	0.04	0.96
359	0.0	0.23	0.0	0,52,0	0.22	4.47e-03	0.03232,216,52	0.36	232	0.0	0.0	0.0
	3.93e-03	0.03	0.0	219,52,0	0.22	3.97e-03	3.97e-03232,216,216			1.00	0.04	0.96
360	0.0	0.23	0.0	0,52,0	0.21	4.47e-03	0.03232,216,52	0.35	232	0.0	0.0	0.0

	0.0	0.03	0.0	0,52,0	0.21	3.97e-03	3.97e-03232,216,216			0.0	0.0	0.0
927	0.0	0.31	0.0	0,52,0	0.20	7.57e-03	0.04232,216,52	0.34	232	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.20	3.19e-03	3.19e-03232,216,216			0.0	0.0	0.0
1569	0.0	0.31	0.0	0,52,0	0.16	5.56e-03	0.04232,216,52	0.31	232	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.16	2.19e-03	2.19e-03232,216,216			0.0	0.0	0.0
1573	0.0	0.31	0.0	0,52,0	0.14	3.40e-03	0.04232,216,52	0.28	232	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.14	2.32e-03	2.32e-03232,216,216			0.0	0.0	0.0
1577	0.0	0.30	0.0	0,52,0	0.12	1.79e-03	0.04232,212,52	0.27	232	0.0	0.0	0.0
	2.67e-03	6.29e-03	0.0	216,52,0	0.12	2.32e-03	2.32e-03232,216,216			1.00	0.04	0.96
1647	7.67e-03	0.30	0.0	232,52,0	0.13	4.15e-03	0.04232,216,235	0.28	232	0.85	0.06	0.94
	6.19e-03	5.69e-03	0.0	232,235,0	0.13	2.14e-03	2.14e-03232,216,216			1.00	0.04	0.96
1651	0.05	0.31	0.0	232,235,0	0.16	5.63e-03	0.04232,216,235	0.31	232	0.85	0.06	0.94
	6.19e-03	5.69e-03	0.0	232,235,0	0.16	1.53e-03	1.53e-03232,216,216			1.00	0.04	0.96
1690	0.05	0.31	0.0	232,235,0	0.16	5.63e-03	0.04232,216,235	0.31	232	0.85	0.06	0.94
	4.27e-03	3.64e-03	0.0	232,235,0	0.16	8.99e-04	8.99e-04232,215,215			1.00	0.04	0.96
2877	0.0	0.30	0.0	0,52,0	0.21	7.57e-03	0.04232,216,52	0.35	232	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.21	3.97e-03	3.97e-03232,216,216			0.0	0.0	0.0
2882	0.0	0.30	0.0	0,52,0	0.20	7.57e-03	0.04232,216,52	0.34	232	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.20	3.19e-03	3.19e-03232,216,216			0.0	0.0	0.0
5582	0.0	0.31	0.0	0,52,0	0.22	7.57e-03	0.04232,216,52	0.36	232	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.22	3.97e-03	3.97e-03232,216,216			0.0	0.0	0.0
5583	0.0	0.31	0.0	0,52,0	0.22	5.56e-03	0.04232,216,52	0.36	232	0.0	0.0	0.0
	5.23e-03	0.03	0.0	219,52,0	0.22	4.37e-03	4.37e-03232,216,216			1.00	0.04	0.96
5584	0.0	0.31	0.0	0,52,0	0.22	3.40e-03	0.04232,216,52	0.36	232	0.0	0.0	0.0
	9.69e-03	0.02	0.0	219,216,0	0.22	5.10e-03	5.10e-03232,216,216			1.00	0.04	0.96
5585	0.0	0.30	0.0	0,52,0	0.22	1.79e-03	0.04232,212,52	0.36	232	0.0	0.0	0.0
	0.01	0.02	0.0	216,216,0	0.22	5.10e-03	5.10e-03232,216,216			1.00	0.04	0.96
5586	7.67e-03	0.30	0.0	232,52,0	0.22	4.15e-03	0.04232,216,235	0.36	232	0.85	0.06	0.94
	0.01	0.01	0.0	232,219,0	0.22	5.06e-03	5.06e-03232,216,216			1.00	0.04	0.96
5587	0.05	0.31	0.0	232,235,0	0.21	5.63e-03	0.04232,216,235	0.35	232	0.85	0.06	0.94
	0.01	0.01	0.0	232,219,0	0.21	3.71e-03	3.71e-03232,216,216			1.00	0.04	0.96
5588	0.05	0.31	0.0	232,235,0	0.19	5.63e-03	0.04232,216,235	0.34	232	0.85	0.06	0.94
	7.49e-03	7.48e-03	0.0	232,235,0	0.19	1.61e-03	1.61e-03232,219,219			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.11	0.33	0.0		0.27	0.03	0.05		0.40			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
14	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.72	163.5	203	0.72	162.9	203	0.38	-5.238e+04	-3.874e+06	59

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1	0.01	0.05	0.0	230,229,0	0.21	1.91e-03	5.90e-03235,213,205		0.35	235	0.85	0.06	0.94
	0.0	5.65e-03	0.0	0,52,0	0.21	1.23e-03	1.23e-03235,205,205				0.0	0.0	0.0
2	0.01	0.06	0.0	230,52,0	0.21	1.91e-03	7.04e-03235,213,52		0.35	235	0.85	0.06	0.94
	3.52e-03	7.29e-03	0.0	207,204,0	0.21	5.37e-03	5.37e-03235,208,208				1.00	0.04	0.96
5	0.0	0.08	0.0	0,52,0	0.20	5.13e-03	0.01235,208,208		0.34	235	0.0	0.0	0.0
	3.52e-03	7.29e-03	0.0	207,204,0	0.20	5.37e-03	5.37e-03235,208,208				1.00	0.04	0.96
7	0.0	0.09	0.0	0,52,0	0.20	0.01	0.03232,205,208		0.35	232	0.0	0.0	0.0
	8.56e-03	0.01	0.0	211,208,0	0.20	9.08e-03	9.08e-03232,205,205				1.00	0.04	0.96
9	0.0	0.09	0.0	0,52,0	0.22	0.01	0.03232,205,208		0.36	232	0.0	0.0	0.0
	8.56e-03	0.01	0.0	211,216,0	0.22	0.01	0.01232,213,213				1.00	0.04	0.96
51	0.0	0.10	0.0	0,52,0	0.24	0.01	0.03232,205,208		0.38	232	0.0	0.0	0.0
	8.28e-03	0.01	0.0	219,52,0	0.24	0.01	0.01232,213,213				1.00	0.04	0.96
53	0.01	0.19	0.0	227,52,0	0.33	8.90e-03	0.02232,205,232		0.44	232	0.85	0.06	0.94
	0.0	0.01	0.0	0,52,0	0.33	2.05e-03	2.05e-03232,210,210				0.0	0.0	0.0
55	0.01	0.19	0.0	227,52,0	0.33	3.32e-03	0.02232,205,232		0.44	232	0.85	0.06	0.94
	0.04	0.04	0.0	235,232,0	0.33	4.00e-03	4.00e-03232,219,219				1.00	0.04	0.96
361	0.0	0.41	0.0	0,52,0	0.19	2.92e-03	0.05235,211,52		0.33	235	0.0	0.0	0.0
	5.31e-03	3.32e-03	0.0	235,232,0	0.19	9.43e-04	9.43e-04235,219,219				1.00	0.04	0.96
362	0.0	0.42	0.0	0,52,0	0.19	2.92e-03	0.05235,211,52		0.33	235	0.0	0.0	0.0
	6.71e-03	5.14e-03	0.0	235,232,0	0.19	9.43e-04	9.43e-04235,219,219				1.00	0.04	0.96
363	0.0	0.42	0.0	0,52,0	0.28	2.92e-03	0.05235,211,52		0.40	235	0.0	0.0	0.0
	7.77e-03	0.01	0.0	235,232,0	0.28	9.43e-04	9.43e-04235,219,219				1.00	0.04	0.96
364	0.0	0.41	0.0	0,52,0	0.24	2.92e-03	0.05235,211,52		0.38	235	0.0	0.0	0.0
	5.68e-03	7.04e-03	0.0	235,232,0	0.24	9.43e-04	9.43e-04235,219,219				1.00	0.04	0.96

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2596 DI 2790

365	0.0	0.43	0.0	0,52,0	0.14	1.94e-03	0.06235,211,52	0.29	235	0.0	0.0	0.0
	6.71e-03	5.14e-03	0.0	235,232,0	0.14	5.91e-04	5.91e-04235,219,219			1.00	0.04	0.96
366	0.0	0.43	0.0	0,52,0	0.31	1.94e-03	0.06235,211,52	0.43	235	0.0	0.0	0.0
	7.77e-03	0.01	0.0	235,232,0	0.31	8.29e-04	8.29e-04235,219,219			1.00	0.04	0.96
367	0.0	0.44	0.0	0,52,0	0.12	1.30e-03	0.06235,219,52	0.27	235	0.0	0.0	0.0
	2.01e-03	4.38e-03	0.0	235,52,0	0.12	5.76e-04	5.76e-04235,206,206			1.00	0.04	0.96
368	0.0	0.44	0.0	0,52,0	0.34	1.30e-03	0.06235,219,52	0.45	235	0.0	0.0	0.0
	2.01e-03	0.01	0.0	235,52,0	0.34	8.74e-04	8.74e-04235,213,213			1.00	0.04	0.96
369	0.0	0.45	0.0	0,52,0	0.12	9.52e-04	0.06235,214,52	0.27	235	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.12	6.80e-04	6.80e-04235,206,206			0.0	0.0	0.0
370	0.0	0.45	0.0	0,52,0	0.38	1.45e-03	0.06235,211,52	0.47	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.38	8.74e-04	8.74e-04235,213,213			0.0	0.0	0.0
371	0.0	0.25	0.0	0,52,0	0.28	3.03e-03	0.03235,208,52	0.40	235	0.0	0.0	0.0
	7.77e-03	0.01	0.0	235,232,0	0.28	1.47e-03	1.47e-03235,208,208			1.00	0.04	0.96
372	0.0	0.25	0.0	0,52,0	0.24	3.03e-03	0.03235,208,52	0.38	235	0.0	0.0	0.0
	5.68e-03	7.04e-03	0.0	235,232,0	0.24	1.47e-03	1.47e-03235,208,208			1.00	0.04	0.96
373	0.0	0.25	0.0	0,52,0	0.31	1.66e-03	0.03235,208,52	0.43	235	0.0	0.0	0.0
	7.77e-03	0.01	0.0	235,52,0	0.31	8.29e-04	8.29e-04235,219,219			1.00	0.04	0.96
374	0.0	0.25	0.0	0,52,0	0.34	7.04e-04	0.03235,211,52	0.45	235	0.0	0.0	0.0
	6.07e-04	0.01	0.0	231,52,0	0.34	1.04e-03	1.04e-03235,213,213			1.00	0.04	0.96
375	0.0	0.25	0.0	0,52,0	0.38	1.45e-03	0.03235,211,52	0.47	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.38	1.33e-03	1.33e-03235,213,213			0.0	0.0	0.0
376	0.0	0.12	0.0	0,52,0	0.24	3.22e-03	0.01235,208,52	0.38	235	0.0	0.0	0.0
	1.27e-03	0.01	0.0	223,52,0	0.24	1.66e-03	1.66e-03235,208,208			1.00	0.04	0.96
377	0.0	0.12	0.0	0,52,0	0.23	3.22e-03	0.01235,208,52	0.37	235	0.0	0.0	0.0
	3.18e-04	7.30e-03	0.0	227,52,0	0.23	1.66e-03	1.66e-03235,208,208			1.00	0.04	0.96
378	0.0	0.12	0.0	0,52,0	0.26	1.75e-03	0.01235,208,52	0.39	235	0.0	0.0	0.0
	1.27e-03	0.01	0.0	223,52,0	0.26	1.07e-03	1.07e-03235,205,205			1.00	0.04	0.96
379	0.0	0.12	0.0	0,52,0	0.26	7.13e-04	0.01235,208,52	0.39	235	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.26	1.53e-03	1.53e-03235,213,213			0.0	0.0	0.0
380	0.0	0.11	0.0	0,52,0	0.26	1.15e-03	0.01235,204,52	0.39	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.26	2.61e-03	2.61e-03235,205,205			0.0	0.0	0.0
381	0.0	0.07	0.0	0,52,0	0.23	3.22e-03	7.88e-03235,208,52	0.37	235	0.0	0.0	0.0
	2.09e-03	0.01	0.0	207,52,0	0.23	2.48e-03	2.48e-03235,208,208			1.00	0.04	0.96
382	0.0	0.07	0.0	0,52,0	0.22	3.22e-03	7.88e-03235,208,52	0.36	235	0.0	0.0	0.0
	0.0	7.30e-03	0.0	0,52,0	0.22	2.23e-03	2.23e-03235,208,208			0.0	0.0	0.0
383	0.0	0.07	0.0	0,52,0	0.23	2.10e-03	7.71e-03235,208,52	0.37	235	0.0	0.0	0.0
	3.11e-03	0.01	0.0	207,52,0	0.23	2.48e-03	2.48e-03235,208,208			1.00	0.04	0.96
384	0.0	0.07	0.0	0,52,0	0.23	7.23e-04	7.51e-03235,205,52	0.37	235	0.0	0.0	0.0
	7.08e-03	0.02	0.0	219,216,0	0.23	2.05e-03	2.05e-03235,213,213			1.00	0.04	0.96
385	0.0	0.07	0.0	0,52,0	0.23	1.12e-03	7.24e-03235,208,52	0.37	235	0.0	0.0	0.0
	7.08e-03	0.02	0.0	219,205,0	0.23	3.36e-03	3.36e-03235,205,205			1.00	0.04	0.96
386	0.0	0.09	0.0	0,52,0	0.22	3.07e-03	9.69e-03235,208,52	0.36	235	0.0	0.0	0.0
	7.57e-03	0.01	0.0	207,204,0	0.22	2.48e-03	2.48e-03235,208,208			1.00	0.04	0.96
387	0.0	0.09	0.0	0,52,0	0.22	3.07e-03	9.69e-03235,208,52	0.36	235	0.0	0.0	0.0
	3.00e-03	6.58e-03	0.0	211,52,0	0.22	2.23e-03	2.23e-03235,208,208			1.00	0.04	0.96
388	0.0	0.08	0.0	0,52,0	0.23	3.54e-03	0.01232,205,205	0.37	232	0.0	0.0	0.0
	7.57e-03	0.01	0.0	207,204,0	0.23	3.66e-03	3.66e-03232,205,205			1.00	0.04	0.96
389	0.0	0.07	0.0	0,52,0	0.23	3.54e-03	0.01232,205,205	0.37	232	0.0	0.0	0.0
	0.01	0.02	0.0	211,208,0	0.23	3.66e-03	3.66e-03232,205,205			1.00	0.04	0.96
390	0.0	0.07	0.0	0,52,0	0.23	9.28e-04	7.50e-03232,211,52	0.37	232	0.0	0.0	0.0
	0.02	0.03	0.0	211,208,0	0.23	3.36e-03	3.36e-03232,205,205			1.00	0.04	0.96
391	0.01	0.09	0.0	230,52,0	0.22	2.33e-03	9.69e-03232,208,52	0.36	232	0.85	0.06	0.94
	7.57e-03	0.01	0.0	207,204,0	0.22	5.37e-03	5.37e-03232,208,208			1.00	0.04	0.96
392	0.01	0.09	0.0	230,52,0	0.22	2.31e-03	9.69e-03235,211,52	0.36	235	0.85	0.06	0.94
	3.00e-03	6.38e-03	0.0	211,208,0	0.22	1.86e-03	1.86e-03235,208,208			1.00	0.04	0.96
393	0.0	0.08	0.0	0,52,0	0.23	5.13e-03	0.01232,208,208	0.37	232	0.0	0.0	0.0
	7.57e-03	0.01	0.0	207,204,0	0.23	5.37e-03	5.37e-03232,208,208			1.00	0.04	0.96
394	0.0	0.09	0.0	0,52,0	0.23	0.01	0.03232,205,208	0.37	232	0.0	0.0	0.0
	0.01	0.02	0.0	211,208,0	0.23	9.08e-03	9.08e-03232,205,205			1.00	0.04	0.96
395	0.0	0.09	0.0	0,52,0	0.23	0.01	0.03232,205,208	0.37	232	0.0	0.0	0.0
	0.02	0.03	0.0	211,208,0	0.23	0.01	0.01232,213,213			1.00	0.04	0.96
396	0.0	0.45	0.0	0,52,0	0.13	2.91e-03	0.06235,211,52	0.28	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.13	6.80e-04	6.80e-04235,206,206			0.0	0.0	0.0
397	0.0	0.45	0.0	0,52,0	0.42	2.91e-03	0.06235,211,52	0.50	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.42	1.06e-03	1.06e-03235,211,211			0.0	0.0	0.0
398	0.02	0.45	0.0	232,52,0	0.16	4.68e-03	0.06235,210,52	0.31	235	0.85	0.06	0.94
	0.0	0.05	0.0	0,52,0	0.16	0.01	0.01235,211,211			0.0	0.0	0.0
399	0.02	0.45	0.0	232,52,0	0.48	4.68e-03	0.06235,210,52	0.53	235	0.85	0.06	0.94
	0.0	0.05	0.0	0,52,0	0.48	0.01	0.01235,211,211			0.0	0.0	0.0
400	0.02	0.44	0.0	232,52,0	0.16	4.68e-03	0.06235,210,229	0.31	235	0.85	0.06	0.94
	0.0	0.05	0.0	0,52,0	0.16	0.01	0.01235,211,211			0.0	0.0	0.0
401	0.02	0.44	0.0	232,52,0	0.48	4.68e-03	0.06235,210,229	0.53	235	0.85	0.06	0.94
	0.0	0.05	0.0	0,52,0	0.48	0.01	0.01235,211,211			0.0	0.0	0.0
402	0.0	0.24	0.0	0,52,0	0.42	2.32e-03	0.03235,206,52	0.50	235	0.0	0.0	0.0

	0.0	0.03	0.0	0,52,0	0.42	1.97e-03	1.97e-03235,211,211			0.0	0.0	0.0
403	0.0	0.25	0.0	0,52,0	0.48	2.58e-03	0.03235,209,52	0.53	235	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.48	8.11e-03	8.11e-03235,206,206			0.0	0.0	0.0
404	0.0	0.25	0.0	0,52,0	0.48	2.58e-03	0.03235,209,52	0.53	235	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.48	8.11e-03	8.11e-03235,206,206			0.0	0.0	0.0
405	0.0	0.11	0.0	0,52,0	0.26	1.70e-03	0.01235,211,52	0.39	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.26	2.61e-03	2.61e-03235,205,205			0.0	0.0	0.0
406	0.0	0.11	0.0	0,52,0	0.26	2.80e-03	0.01235,206,52	0.39	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.26	4.68e-03	4.68e-03235,211,211			0.0	0.0	0.0
407	0.0	0.11	0.0	0,52,0	0.25	2.80e-03	0.01235,206,52	0.39	235	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.25	4.68e-03	4.68e-03235,211,211			0.0	0.0	0.0
408	0.0	0.07	0.0	0,52,0	0.22	1.94e-03	6.96e-03235,211,52	0.36	235	0.0	0.0	0.0
6.39e-03	0.03	0.0	206,52,0	0.22	3.36e-03	3.36e-03235,205,205			1.00	0.04	0.96	
409	0.0	0.06	0.0	0,52,0	0.22	3.82e-03	7.16e-03232,208,206	0.36	232	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.22	2.60e-03	2.60e-03232,216,216			0.0	0.0	0.0
410	0.0	0.06	0.0	0,52,0	0.21	3.82e-03	7.16e-03232,208,206	0.36	232	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.21	2.60e-03	2.60e-03232,216,216			0.0	0.0	0.0
411	0.0	0.07	0.0	0,52,0	0.24	3.59e-03	9.79e-03232,205,205	0.37	232	0.0	0.0	0.0
	0.02	0.03	0.0	211,52,0	0.24	4.56e-03	4.56e-03232,205,205			1.00	0.04	0.96
412	0.0	0.06	0.0	0,52,0	0.24	5.08e-03	9.79e-03232,205,205	0.37	232	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.24	4.56e-03	4.56e-03232,205,205			0.0	0.0	0.0
413	0.0	0.05	0.0	0,52,0	0.23	5.08e-03	8.60e-03232,205,208	0.37	232	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.23	1.81e-03	1.81e-03232,216,216			0.0	0.0	0.0
414	0.0	0.10	0.0	0,52,0	0.24	0.01	0.03232,205,208	0.38	232	0.0	0.0	0.0
	0.02	0.03	0.0	211,208,0	0.24	0.01	0.01232,213,213			1.00	0.04	0.96
415	0.01	0.19	0.0	227,52,0	0.33	8.90e-03	0.02232,205,232	0.44	232	0.85	0.06	0.94
	0.04	0.04	0.0	235,232,0	0.33	4.56e-03	4.56e-03232,205,205			1.00	0.04	0.96
416	0.0	0.08	0.0	0,52,0	0.24	5.08e-03	8.60e-03232,205,208	0.37	232	0.0	0.0	0.0
	0.04	0.04	0.0	235,232,0	0.24	4.00e-03	4.00e-03232,219,219			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.04	0.45	0.0		0.48	0.01	0.06		0.53			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
15	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.64	-142.1	194	0.63	-140.3	194	0.37	-4.316e+04	3.435e+06	225

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
283	0.11	0.20	0.0	225,226,0	0.19	0.03	0.05225,216,214	0.34	225	0.85	0.06	0.94	
	0.03	0.02	0.0	213,214,0	0.19	0.03	0.03225,216,216			1.00	0.04	0.96	
284	0.11	0.18	0.0	225,226,0	0.19	0.03	0.05225,216,214	0.34	225	0.85	0.06	0.94	
	0.01	0.02	0.0	213,214,0	0.19	0.01	0.01225,216,216			1.00	0.04	0.96	
286	0.09	0.20	0.0	225,226,0	0.18	5.03e-03	0.03226,216,214	0.32	226	0.85	0.06	0.94	
	0.03	0.02	0.0	213,214,0	0.18	0.03	0.03226,216,216			1.00	0.04	0.96	
288	0.06	0.20	0.0	225,226,0	0.17	7.94e-03	0.04226,216,214	0.31	226	0.85	0.06	0.94	
	0.02	0.02	0.0	213,44,0	0.17	0.02	0.02226,216,216			1.00	0.04	0.96	
290	0.03	0.21	0.0	225,52,0	0.15	8.78e-03	0.04226,216,214	0.30	226	0.85	0.06	0.94	
	0.01	0.02	0.0	213,44,0	0.15	0.01	0.01226,216,216			1.00	0.04	0.96	
297	0.02	0.22	0.0	225,52,0	0.14	8.83e-03	0.03226,216,214	0.29	226	0.85	0.06	0.94	
	8.59e-03	0.03	0.0	19,44,0	0.14	8.88e-03	8.88e-03226,216,216			1.00	0.04	0.96	
299	6.32e-03	0.33	0.0	225,52,0	0.24	8.83e-03	0.04225,216,52	0.38	225	0.85	0.06	0.94	
	2.28e-03	0.03	0.0	19,44,0	0.24	5.15e-03	5.15e-03225,214,214			1.00	0.04	0.96	
301	0.0	0.33	0.0	0,52,0	0.24	7.94e-03	0.04225,208,52	0.38	225	0.0	0.0	0.0	
	2.28e-03	0.03	0.0	19,44,0	0.24	2.96e-03	2.96e-03225,218,218			1.00	0.04	0.96	
417	0.11	0.26	0.0	225,52,0	0.22	0.03	0.05225,216,214	0.36	225	0.85	0.06	0.94	
	0.06	0.04	0.0	213,214,0	0.22	0.03	0.03225,216,216			1.00	0.04	0.96	
418	0.11	0.26	0.0	225,52,0	0.21	0.03	0.05225,216,214	0.35	225	0.85	0.06	0.94	
	0.03	0.02	0.0	213,214,0	0.21	0.01	0.01225,216,216			1.00	0.04	0.96	
419	0.09	0.24	0.0	225,52,0	0.22	6.11e-03	0.03225,216,214	0.36	225	0.85	0.06	0.94	
	0.06	0.04	0.0	213,214,0	0.22	0.03	0.03225,216,216			1.00	0.04	0.96	
420	0.06	0.23	0.0	225,52,0	0.21	7.94e-03	0.04225,216,214	0.35	225	0.85	0.06	0.94	
	0.06	0.04	0.0	213,214,0	0.21	0.02	0.02225,216,216			1.00	0.04	0.96	
421	0.03	0.22	0.0	225,52,0	0.20	8.78e-03	0.04225,216,214	0.34	225	0.85	0.06	0.94	
	0.04	0.03	0.0	213,214,0	0.20	0.01	0.01225,216,216			1.00	0.04	0.96	
422	0.0	0.26	0.0	0,52,0	0.22	0.01	0.03225,216,52	0.36	225	0.0	0.0	0.0	
	0.06	0.04	0.0	213,214,0	0.22	5.00e-03	5.00e-03225,216,216			1.00	0.04	0.96	

423	0.0	0.26	0.0	0,52,0	0.21	0.01	0.03225,216,52	0.35	225	0.0	0.0	0.0
	0.03	0.02	0.0	213,214,0	0.21	4.61e-03	4.61e-03225,208,208			1.00	0.04	0.96
424	0.0	0.24	0.0	0,52,0	0.22	6.11e-03	0.03225,216,214	0.36	225	0.0	0.0	0.0
	0.06	0.04	0.0	213,214,0	0.22	7.31e-03	7.31e-03225,216,216			1.00	0.04	0.96
425	0.0	0.23	0.0	0,52,0	0.21	3.77e-03	0.03225,216,52	0.35	225	0.0	0.0	0.0
	0.06	0.04	0.0	213,214,0	0.21	7.44e-03	7.44e-03225,216,216			1.00	0.04	0.96
426	0.0	0.22	0.0	0,52,0	0.20	4.94e-03	0.03225,216,214	0.34	225	0.0	0.0	0.0
	0.05	0.04	0.0	213,214,0	0.20	7.44e-03	7.44e-03225,216,216			1.00	0.04	0.96
427	0.0	0.22	0.0	0,52,0	0.21	3.41e-03	0.02225,208,52	0.35	225	0.0	0.0	0.0
	0.06	0.04	0.0	213,214,0	0.21	6.29e-03	6.29e-03225,216,216			1.00	0.04	0.96
428	0.0	0.22	0.0	0,52,0	0.21	2.31e-03	0.02225,218,52	0.35	225	0.0	0.0	0.0
	0.02	0.02	0.0	213,214,0	0.21	4.61e-03	4.61e-03225,208,208			1.00	0.04	0.96
429	0.0	0.22	0.0	0,52,0	0.20	3.41e-03	0.02225,208,52	0.35	225	0.0	0.0	0.0
	0.06	0.04	0.0	213,214,0	0.20	6.29e-03	6.29e-03225,216,216			1.00	0.04	0.96
430	0.0	0.21	0.0	0,52,0	0.20	1.35e-03	0.02226,208,52	0.34	226	0.0	0.0	0.0
	0.06	0.04	0.0	213,214,0	0.20	5.91e-03	5.91e-03226,216,216			1.00	0.04	0.96
431	0.0	0.21	0.0	0,52,0	0.20	2.70e-03	0.02226,208,52	0.34	226	0.0	0.0	0.0
	0.05	0.04	0.0	213,214,0	0.20	3.58e-03	3.58e-03226,216,216			1.00	0.04	0.96
432	0.0	0.24	0.0	0,52,0	0.21	2.80e-03	0.03226,213,52	0.35	226	0.0	0.0	0.0
	0.04	0.03	0.0	213,214,0	0.21	6.29e-03	6.29e-03226,216,216			1.00	0.04	0.96
433	0.0	0.24	0.0	0,52,0	0.21	2.80e-03	0.03226,213,52	0.35	226	0.0	0.0	0.0
	0.02	0.01	0.0	213,214,0	0.21	3.49e-03	3.49e-03226,208,208			1.00	0.04	0.96
434	0.0	0.24	0.0	0,52,0	0.21	2.00e-03	0.03226,216,52	0.35	226	0.0	0.0	0.0
	0.05	0.04	0.0	213,214,0	0.21	6.29e-03	6.29e-03226,216,216			1.00	0.04	0.96
435	0.0	0.24	0.0	0,52,0	0.21	8.69e-04	0.03226,208,52	0.35	226	0.0	0.0	0.0
	0.05	0.04	0.0	213,214,0	0.21	6.12e-03	6.12e-03226,216,216			1.00	0.04	0.96
436	0.0	0.23	0.0	0,52,0	0.21	1.32e-03	0.03226,218,52	0.35	226	0.0	0.0	0.0
	0.05	0.04	0.0	213,214,0	0.21	5.43e-03	5.43e-03226,216,216			1.00	0.04	0.96
437	0.0	0.37	0.0	0,52,0	0.21	5.51e-03	0.05226,216,52	0.35	226	0.0	0.0	0.0
	0.03	0.02	0.0	213,214,0	0.21	6.28e-03	6.28e-03226,219,219			1.00	0.04	0.96
438	0.0	0.37	0.0	0,52,0	0.21	5.51e-03	0.05226,216,52	0.35	226	0.0	0.0	0.0
	0.01	8.80e-03	0.0	225,214,0	0.21	6.28e-03	6.28e-03226,219,219			1.00	0.04	0.96
439	0.0	0.33	0.0	0,52,0	0.21	2.73e-03	0.04226,216,52	0.35	226	0.0	0.0	0.0
	0.04	0.02	0.0	213,214,0	0.21	6.12e-03	6.12e-03226,216,216			1.00	0.04	0.96
440	0.0	0.30	0.0	0,52,0	0.21	1.17e-03	0.04226,216,52	0.35	226	0.0	0.0	0.0
	0.04	0.03	0.0	213,214,0	0.21	6.12e-03	6.12e-03226,216,216			1.00	0.04	0.96
441	0.0	0.28	0.0	0,52,0	0.21	1.93e-03	0.03226,216,52	0.35	226	0.0	0.0	0.0
	0.04	0.03	0.0	213,214,0	0.21	5.43e-03	5.43e-03226,216,216			1.00	0.04	0.96
442	0.02	0.22	0.0	225,52,0	0.19	8.83e-03	0.03225,216,214	0.34	225	0.85	0.06	0.94
	0.02	0.03	0.0	213,44,0	0.19	8.88e-03	8.88e-03225,216,216			1.00	0.04	0.96
443	6.32e-03	0.33	0.0	225,52,0	0.24	8.83e-03	0.04225,216,52	0.38	225	0.85	0.06	0.94
	9.37e-03	0.03	0.0	213,44,0	0.24	5.15e-03	5.15e-03225,214,214			1.00	0.04	0.96
444	0.0	0.25	0.0	0,52,0	0.21	7.00e-03	0.03226,208,52	0.35	226	0.0	0.0	0.0
	0.0	0.02	0.0	0,28,0	0.21	3.23e-03	3.23e-03226,219,219			0.0	0.0	0.0
445	0.0	0.22	0.0	0,52,0	0.19	4.95e-03	0.02225,208,52	0.34	225	0.0	0.0	0.0
	0.03	0.03	0.0	213,214,0	0.19	5.40e-03	5.40e-03225,216,216			1.00	0.04	0.96
446	0.0	0.21	0.0	0,52,0	0.19	5.32e-03	0.02225,208,52	0.33	225	0.0	0.0	0.0
	0.02	0.03	0.0	213,214,0	0.19	4.52e-03	4.52e-03225,219,219			1.00	0.04	0.96
447	0.0	0.20	0.0	0,52,0	0.18	5.32e-03	0.02225,208,52	0.32	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,28,0	0.18	3.23e-03	3.23e-03225,219,219			0.0	0.0	0.0
448	0.0	0.21	0.0	0,52,0	0.19	3.26e-03	0.02226,208,52	0.34	226	0.0	0.0	0.0
	0.03	0.03	0.0	213,214,0	0.19	2.11e-03	2.11e-03226,216,216			1.00	0.04	0.96
449	0.0	0.21	0.0	0,52,0	0.19	3.26e-03	0.02226,208,52	0.33	226	0.0	0.0	0.0
	0.02	0.03	0.0	213,214,0	0.19	2.42e-03	2.42e-03226,219,219			1.00	0.04	0.96
450	0.0	0.21	0.0	0,52,0	0.18	1.54e-03	0.02226,218,52	0.33	226	0.0	0.0	0.0
	3.81e-03	0.02	0.0	213,214,0	0.18	2.42e-03	2.42e-03226,219,219			1.00	0.04	0.96
451	0.0	0.23	0.0	0,52,0	0.20	1.89e-03	0.03226,213,52	0.35	226	0.0	0.0	0.0
	0.03	0.03	0.0	213,214,0	0.20	4.17e-03	4.17e-03226,216,216			1.00	0.04	0.96
452	0.0	0.23	0.0	0,52,0	0.20	2.62e-03	0.03226,216,52	0.34	226	0.0	0.0	0.0
	0.02	0.03	0.0	213,214,0	0.20	4.58e-03	4.58e-03226,216,216			1.00	0.04	0.96
453	0.0	0.22	0.0	0,52,0	0.19	2.62e-03	0.03226,216,52	0.34	226	0.0	0.0	0.0
	3.81e-03	0.02	0.0	213,52,0	0.19	4.58e-03	4.58e-03226,216,216			1.00	0.04	0.96
454	0.0	0.26	0.0	0,52,0	0.21	3.20e-03	0.03226,216,52	0.35	226	0.0	0.0	0.0
	0.03	0.03	0.0	213,214,0	0.21	4.43e-03	4.43e-03226,216,216			1.00	0.04	0.96
455	0.0	0.24	0.0	0,52,0	0.20	4.59e-03	0.03226,216,52	0.35	226	0.0	0.0	0.0
	0.01	0.03	0.0	213,214,0	0.20	4.58e-03	4.58e-03226,216,216			1.00	0.04	0.96
456	0.0	0.23	0.0	0,52,0	0.19	4.59e-03	0.03226,216,52	0.34	226	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.19	4.58e-03	4.58e-03226,216,216			0.0	0.0	0.0
923	0.0	0.37	0.0	0,52,0	0.21	5.51e-03	0.05226,216,52	0.35	226	0.0	0.0	0.0
	0.01	0.02	0.0	225,52,0	0.21	6.62e-03	6.62e-03226,216,216			1.00	0.04	0.96
1694	0.0	0.26	0.0	0,52,0	0.18	7.52e-03	0.03226,216,52	0.33	226	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.18	3.23e-03	3.23e-03226,219,219			0.0	0.0	0.0
1698	0.0	0.24	0.0	0,52,0	0.14	5.56e-03	0.03226,216,52	0.29	226	0.0	0.0	0.0
	3.84e-03	0.02	0.0	225,52,0	0.14	2.26e-03	2.26e-03226,216,216			1.00	0.04	0.96
1768	0.0	0.23	0.0	0,52,0	0.11	3.37e-03	0.03226,216,52	0.25	226	0.0	0.0	0.0

	7.48e-03	0.01	0.0	225,226,0	0.11	2.45e-03	2.45e-03226,216,216			1.00	0.04	0.96
1772	0.0	0.21	0.0	0,52,0	0.09	2.11e-03	0.02 52,214,52	0.23	52	0.0	0.0	0.0
	9.43e-03	7.08e-03	0.0	225,226,0	0.09	2.45e-03	2.45e-0352,216,216			1.00	0.04	0.96
1811	0.0	0.18	0.0	0,52,0	0.13	4.21e-03	0.02 52,216,52	0.28	52	0.0	0.0	0.0
	9.43e-03	6.77e-03	0.0	225,222,0	0.13	2.38e-03	2.38e-0352,216,216			1.00	0.04	0.96
1815	0.0	0.15	0.0	0,52,0	0.19	5.00e-03	0.0252,216,213	0.33	52	0.0	0.0	0.0
	8.70e-03	0.02	0.0	221,52,0	0.19	6.62e-03	6.62e-0352,216,216			1.00	0.04	0.96
1819	0.0	0.11	0.0	0,52,0	0.19	5.00e-03	0.0152,216,213	0.33	52	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.19	6.62e-03	6.62e-0352,216,216			0.0	0.0	0.0
3102	0.0	0.26	0.0	0,52,0	0.19	7.52e-03	0.03226,216,52	0.33	226	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.19	3.77e-03	3.77e-03226,214,214			0.0	0.0	0.0
3107	0.0	0.26	0.0	0,52,0	0.18	7.52e-03	0.03226,216,52	0.33	226	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.18	3.23e-03	3.23e-03226,219,219			0.0	0.0	0.0
5589	0.0	0.26	0.0	0,52,0	0.20	7.52e-03	0.03226,216,52	0.35	226	0.0	0.0	0.0
	9.71e-03	0.03	0.0	225,52,0	0.20	3.77e-03	3.77e-03226,214,214			1.00	0.04	0.96
5590	0.0	0.26	0.0	0,52,0	0.21	5.56e-03	0.03226,216,52	0.35	226	0.0	0.0	0.0
	0.02	0.02	0.0	225,226,0	0.21	4.43e-03	4.43e-03226,216,216			1.00	0.04	0.96
5591	0.0	0.28	0.0	0,52,0	0.21	3.37e-03	0.03226,216,52	0.35	226	0.0	0.0	0.0
	0.02	0.02	0.0	213,214,0	0.21	5.10e-03	5.10e-03226,216,216			1.00	0.04	0.96
5592	0.0	0.30	0.0	0,52,0	0.21	2.11e-03	0.04226,214,52	0.35	226	0.0	0.0	0.0
	0.03	0.02	0.0	213,214,0	0.21	5.10e-03	5.10e-03226,216,216			1.00	0.04	0.96
5593	0.0	0.33	0.0	0,52,0	0.21	4.21e-03	0.04226,216,52	0.35	226	0.0	0.0	0.0
	0.03	0.01	0.0	213,214,0	0.21	4.74e-03	4.74e-03226,216,216			1.00	0.04	0.96
5594	0.0	0.37	0.0	0,52,0	0.21	5.51e-03	0.05226,216,52	0.35	226	0.0	0.0	0.0
	0.02	0.02	0.0	225,52,0	0.21	6.62e-03	6.62e-03226,216,216			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.11	0.37	0.0		0.24	0.03	0.05		0.38			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
16	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.73	165.8	193	0.73	165.5	193	0.35	-5.590e+04	-3.822e+06	52

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
457	0.0	0.41	0.0	0,52,0	0.20	2.96e-03	0.05225,208,52		0.34	225	0.0	0.0	0.0
	4.61e-03	3.32e-03	0.0	225,226,0	0.20	9.47e-04	9.47e-04225,216,216				1.00	0.04	0.96
458	0.0	0.41	0.0	0,52,0	0.20	2.96e-03	0.05225,208,52		0.34	225	0.0	0.0	0.0
	5.22e-03	4.89e-03	0.0	225,226,0	0.20	9.47e-04	9.47e-04225,216,216				1.00	0.04	0.96
459	0.0	0.41	0.0	0,52,0	0.28	2.96e-03	0.05225,208,52		0.41	225	0.0	0.0	0.0
	5.22e-03	0.01	0.0	225,220,0	0.28	9.47e-04	9.47e-04225,216,216				1.00	0.04	0.96
460	0.0	0.41	0.0	0,52,0	0.24	2.96e-03	0.05225,208,52		0.38	225	0.0	0.0	0.0
	4.61e-03	7.05e-03	0.0	225,226,0	0.24	9.47e-04	9.47e-04225,216,216				1.00	0.04	0.96
461	0.0	0.42	0.0	0,52,0	0.16	1.97e-03	0.05225,208,52		0.31	225	0.0	0.0	0.0
	5.22e-03	4.89e-03	0.0	225,226,0	0.16	3.34e-04	3.34e-04225,219,219				1.00	0.04	0.96
462	0.0	0.42	0.0	0,52,0	0.31	1.97e-03	0.05225,208,52		0.43	225	0.0	0.0	0.0
	5.22e-03	0.01	0.0	225,220,0	0.31	7.44e-04	7.44e-04225,209,209				1.00	0.04	0.96
463	0.0	0.44	0.0	0,52,0	0.15	1.30e-03	0.06225,219,52		0.30	225	0.0	0.0	0.0
	8.96e-05	6.44e-03	0.0	223,52,0	0.15	3.97e-04	3.97e-04225,211,211				1.00	0.04	0.96
464	0.0	0.44	0.0	0,52,0	0.34	1.30e-03	0.06225,219,52		0.45	225	0.0	0.0	0.0
	8.96e-05	0.01	0.0	223,52,0	0.34	7.69e-04	7.69e-04225,209,209				1.00	0.04	0.96
465	0.0	0.45	0.0	0,52,0	0.18	1.61e-03	0.06225,204,52		0.32	225	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.18	3.97e-04	3.97e-04225,211,211				0.0	0.0	0.0
466	0.0	0.45	0.0	0,52,0	0.36	1.61e-03	0.06225,204,52		0.46	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.36	7.69e-04	7.69e-04225,209,209				0.0	0.0	0.0
467	0.0	0.23	0.0	0,52,0	0.28	3.02e-03	0.03225,208,52		0.41	225	0.0	0.0	0.0
	5.06e-03	0.01	0.0	223,52,0	0.28	1.49e-03	1.49e-03225,208,208				1.00	0.04	0.96
468	0.0	0.23	0.0	0,52,0	0.24	3.02e-03	0.03225,208,52		0.38	225	0.0	0.0	0.0
	4.24e-03	7.69e-03	0.0	225,52,0	0.24	1.49e-03	1.49e-03225,208,208				1.00	0.04	0.96
469	0.0	0.23	0.0	0,52,0	0.31	1.65e-03	0.03225,208,52		0.43	225	0.0	0.0	0.0
	5.06e-03	0.01	0.0	223,52,0	0.31	7.87e-04	7.87e-04225,209,209				1.00	0.04	0.96
470	0.0	0.22	0.0	0,52,0	0.34	6.12e-04	0.03225,208,52		0.45	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.34	9.78e-04	9.78e-04225,210,210				0.0	0.0	0.0
471	0.0	0.22	0.0	0,52,0	0.36	1.30e-03	0.03225,208,52		0.46	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.36	1.18e-03	1.18e-03225,216,216				0.0	0.0	0.0
472	0.0	0.11	0.0	0,52,0	0.25	3.16e-03	0.01225,208,52		0.38	225	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.25	1.67e-03	1.67e-03225,208,208				0.0	0.0	0.0

473	0.0	0.11	0.0	0,52,0	0.23	3.16e-03	0.01225,208,52	0.37	225	0.0	0.0	0.0
	0.0	7.97e-03	0.0	0,52,0	0.23	1.67e-03	1.67e-03225,208,208			0.0	0.0	0.0
474	0.0	0.11	0.0	0,52,0	0.25	1.70e-03	0.01225,208,52	0.39	225	0.0	0.0	0.0
	1.42e-03	0.01	0.0	210,52,0	0.25	1.09e-03	1.09e-03225,205,205			1.00	0.04	0.96
475	0.0	0.11	0.0	0,52,0	0.26	7.07e-04	0.01225,208,52	0.39	225	0.0	0.0	0.0
	2.31e-03	0.02	0.0	214,52,0	0.26	1.43e-03	1.43e-03225,213,213			1.00	0.04	0.96
476	0.0	0.10	0.0	0,52,0	0.26	1.16e-03	0.01225,204,52	0.39	225	0.0	0.0	0.0
	2.31e-03	0.02	0.0	214,52,0	0.26	2.19e-03	2.19e-03225,205,205			1.00	0.04	0.96
477	0.0	0.07	0.0	0,52,0	0.23	3.16e-03	7.46e-03225,208,205	0.37	225	0.0	0.0	0.0
	3.09e-03	0.01	0.0	207,52,0	0.23	2.47e-03	2.47e-03225,208,208			1.00	0.04	0.96
478	0.0	0.07	0.0	0,52,0	0.23	3.16e-03	7.46e-03225,208,205	0.37	225	0.0	0.0	0.0
	0.0	7.97e-03	0.0	0,52,0	0.23	2.23e-03	2.23e-03225,208,208			0.0	0.0	0.0
479	0.0	0.07	0.0	0,52,0	0.23	2.00e-03	7.17e-03225,211,52	0.37	225	0.0	0.0	0.0
	4.55e-03	0.01	0.0	207,204,0	0.23	2.47e-03	2.47e-03225,208,208			1.00	0.04	0.96
480	0.0	0.07	0.0	0,52,0	0.23	7.07e-04	7.00e-03225,208,52	0.37	225	0.0	0.0	0.0
	7.79e-03	0.02	0.0	214,213,0	0.23	2.39e-03	2.39e-03225,205,205			1.00	0.04	0.96
481	0.0	0.06	0.0	0,52,0	0.23	1.09e-03	6.76e-03225,205,52	0.37	225	0.0	0.0	0.0
	7.79e-03	0.02	0.0	214,52,0	0.23	3.22e-03	3.22e-03225,205,205			1.00	0.04	0.96
482	0.0	0.09	0.0	0,52,0	0.23	2.99e-03	0.01225,211,52	0.37	225	0.0	0.0	0.0
	8.29e-03	0.01	0.0	206,205,0	0.23	2.47e-03	2.47e-03225,208,208			1.00	0.04	0.96
483	0.0	0.09	0.0	0,52,0	0.23	2.99e-03	0.01225,211,52	0.37	225	0.0	0.0	0.0
	3.62e-03	7.37e-03	0.0	206,205,0	0.23	2.23e-03	2.23e-03225,208,208			1.00	0.04	0.96
484	0.0	0.08	0.0	0,52,0	0.23	3.66e-03	0.01226,205,208	0.37	226	0.0	0.0	0.0
	8.29e-03	0.01	0.0	206,204,0	0.23	4.06e-03	4.06e-03226,205,205			1.00	0.04	0.96
485	0.0	0.08	0.0	0,52,0	0.24	3.66e-03	0.01226,205,208	0.37	226	0.0	0.0	0.0
	0.02	0.02	0.0	211,208,0	0.24	4.06e-03	4.06e-03226,205,205			1.00	0.04	0.96
486	0.0	0.07	0.0	0,52,0	0.24	8.61e-04	7.92e-03226,206,205	0.38	226	0.0	0.0	0.0
	0.02	0.02	0.0	211,216,0	0.24	3.22e-03	3.22e-03226,205,205			1.00	0.04	0.96
487	0.03	0.09	0.0	210,52,0	0.22	2.29e-03	0.01225,211,52	0.36	225	0.85	0.06	0.94
	8.29e-03	0.01	0.0	206,205,0	0.22	5.28e-03	5.28e-03225,205,205			1.00	0.04	0.96
488	0.03	0.09	0.0	210,52,0	0.22	2.29e-03	0.01225,211,52	0.36	225	0.85	0.06	0.94
	3.62e-03	7.37e-03	0.0	206,205,0	0.22	1.97e-03	1.97e-03225,208,208			1.00	0.04	0.96
489	9.44e-03	0.08	0.0	210,52,0	0.23	3.70e-03	0.01226,208,205	0.37	226	0.85	0.06	0.94
	8.29e-03	0.01	0.0	206,205,0	0.23	5.28e-03	5.28e-03226,205,205			1.00	0.04	0.96
490	7.73e-03	0.09	0.0	207,52,0	0.24	0.02	0.03226,205,208	0.37	226	0.85	0.06	0.94
	0.02	0.02	0.0	211,208,0	0.24	9.92e-03	9.92e-03226,205,205			1.00	0.04	0.96
491	7.73e-03	0.10	0.0	207,52,0	0.24	0.02	0.03226,205,208	0.38	226	0.85	0.06	0.94
	0.02	0.02	0.0	211,216,0	0.24	0.01	0.01226,205,205			1.00	0.04	0.96
492	0.03	0.07	0.0	210,52,0	0.21	2.25e-03	9.37e-03225,213,209	0.36	225	0.85	0.06	0.94
	3.50e-03	7.82e-03	0.0	211,208,0	0.21	5.28e-03	5.28e-03225,205,205			1.00	0.04	0.96
493	0.03	0.07	0.0	210,209,0	0.21	2.25e-03	9.18e-03225,213,205	0.36	225	0.85	0.06	0.94
	0.0	6.38e-03	0.0	0,52,0	0.21	1.41e-03	1.41e-03225,205,205			0.0	0.0	0.0
494	9.44e-03	0.08	0.0	210,52,0	0.20	3.70e-03	0.01225,208,205	0.34	225	0.85	0.06	0.94
	3.86e-03	7.82e-03	0.0	211,208,0	0.20	5.28e-03	5.28e-03225,205,205			1.00	0.04	0.96
495	7.73e-03	0.09	0.0	207,52,0	0.21	0.02	0.03226,205,208	0.35	226	0.85	0.06	0.94
	9.66e-03	0.01	0.0	211,208,0	0.21	9.92e-03	9.92e-03226,205,205			1.00	0.04	0.96
496	7.73e-03	0.10	0.0	207,52,0	0.23	0.02	0.03226,205,208	0.37	226	0.85	0.06	0.94
	9.66e-03	0.01	0.0	211,208,0	0.23	0.01	0.01226,205,205			1.00	0.04	0.96
497	0.01	0.45	0.0	230,52,0	0.22	1.96e-03	0.06225,208,52	0.36	225	0.85	0.06	0.94
	0.0	0.03	0.0	0,52,0	0.22	5.33e-04	5.33e-04225,211,211			0.0	0.0	0.0
498	0.01	0.45	0.0	230,52,0	0.39	1.96e-03	0.06225,208,52	0.48	225	0.85	0.06	0.94
	0.0	0.04	0.0	0,52,0	0.39	8.63e-04	8.63e-04225,211,211			0.0	0.0	0.0
499	0.07	0.45	0.0	230,52,0	0.30	2.90e-03	0.06225,210,229	0.42	225	0.85	0.06	0.94
	0.0	0.06	0.0	0,52,0	0.30	4.08e-03	4.08e-03225,207,207			0.0	0.0	0.0
500	0.07	0.45	0.0	230,52,0	0.43	2.90e-03	0.06225,210,229	0.50	225	0.85	0.06	0.94
	0.0	0.06	0.0	0,52,0	0.43	4.08e-03	4.08e-03225,207,207			0.0	0.0	0.0
501	0.07	0.45	0.0	230,229,0	0.30	2.90e-03	0.06225,210,229	0.42	225	0.85	0.06	0.94
	0.0	0.06	0.0	0,52,0	0.30	4.08e-03	4.08e-03225,207,207			0.0	0.0	0.0
502	0.07	0.45	0.0	230,229,0	0.43	2.90e-03	0.06225,210,229	0.50	225	0.85	0.06	0.94
	0.0	0.06	0.0	0,52,0	0.43	4.08e-03	4.08e-03225,207,207			0.0	0.0	0.0
503	0.0	0.21	0.0	0,52,0	0.39	1.91e-03	0.02225,206,52	0.48	225	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.39	1.18e-03	1.18e-03225,216,216			0.0	0.0	0.0
504	0.0	0.22	0.0	0,52,0	0.43	2.28e-03	0.02225,210,52	0.50	225	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.43	3.77e-03	3.77e-03225,211,211			0.0	0.0	0.0
505	0.0	0.22	0.0	0,52,0	0.43	2.28e-03	0.02225,210,52	0.50	225	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.43	3.77e-03	3.77e-03225,211,211			0.0	0.0	0.0
506	0.0	0.10	0.0	0,52,0	0.25	1.66e-03	0.01225,210,52	0.39	225	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.25	2.19e-03	2.19e-03225,205,205			0.0	0.0	0.0
507	0.0	0.10	0.0	0,52,0	0.25	2.72e-03	0.01225,206,52	0.38	225	0.0	0.0	0.0
	0.0	0.04	0.0	0,52,0	0.25	3.77e-03	3.77e-03225,211,211			0.0	0.0	0.0
508	0.0	0.10	0.0	0,52,0	0.24	2.72e-03	0.01225,206,52	0.37	225	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.24	3.77e-03	3.77e-03225,211,211			0.0	0.0	0.0
509	0.0	0.06	0.0	0,52,0	0.22	1.76e-03	6.47e-03225,211,52	0.36	225	0.0	0.0	0.0
	6.74e-03	0.03	0.0	206,52,0	0.22	3.22e-03	3.22e-03225,205,205			1.00	0.04	0.96
510	0.0	0.06	0.0	0,52,0	0.22	3.71e-03	6.77e-03226,208,208	0.36	226	0.0	0.0	0.0

	0.0	0.03	0.0	0,52,0	0.22	2.50e-03	2.50e-03226,216,216			0.0	0.0	0.0
511	0.0	0.06	0.0	0,52,0	0.21	3.71e-03	6.77e-03226,208,208	0.36	226	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.21	2.50e-03	2.50e-03226,216,216			0.0	0.0	0.0
512	0.0	0.07	0.0	0,52,0	0.24	3.82e-03	0.01226,208,205	0.38	226	0.0	0.0	0.0
	0.01	0.03	0.0	219,52,0	0.24	5.47e-03	5.47e-03226,205,205			1.00	0.04	0.96
513	0.0	0.07	0.0	0,52,0	0.24	4.37e-03	0.01226,208,205	0.38	226	0.0	0.0	0.0
	0.0	0.03	0.0	0,52,0	0.24	5.47e-03	5.47e-03226,205,205			0.0	0.0	0.0
514	0.0	0.05	0.0	0,52,0	0.24	4.37e-03	8.32e-03226,208,208	0.37	226	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.24	1.39e-03	1.39e-03226,216,216			0.0	0.0	0.0
515	7.33e-03	0.10	0.0	223,52,0	0.26	0.02	0.03226,205,208	0.39	226	0.85	0.06	0.94
	0.01	0.02	0.0	219,216,0	0.26	0.01	0.01226,205,205			1.00	0.04	0.96
516	0.03	0.20	0.0	223,52,0	0.35	6.39e-03	0.02226,205,52	0.45	226	0.85	0.06	0.94
	0.04	0.04	0.0	225,226,0	0.35	5.47e-03	5.47e-03226,205,205			1.00	0.04	0.96
517	0.0	0.08	0.0	0,52,0	0.25	4.37e-03	8.88e-03226,208,52	0.38	226	0.0	0.0	0.0
	0.04	0.04	0.0	225,226,0	0.25	4.35e-03	4.35e-03226,219,219			1.00	0.04	0.96
518	7.33e-03	0.10	0.0	223,52,0	0.26	0.02	0.03226,205,208	0.39	226	0.85	0.06	0.94
	8.47e-03	0.02	0.0	211,52,0	0.26	0.01	0.01226,205,205			1.00	0.04	0.96
519	0.03	0.20	0.0	223,52,0	0.35	6.39e-03	0.02226,205,52	0.45	226	0.85	0.06	0.94
	0.0	0.02	0.0	0,52,0	0.35	2.92e-03	2.92e-03226,211,211			0.0	0.0	0.0
520	0.03	0.20	0.0	223,52,0	0.35	2.19e-03	0.02226,216,52	0.45	226	0.85	0.06	0.94
	0.04	0.04	0.0	225,226,0	0.35	4.35e-03	4.35e-03226,219,219			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.07	0.45	0.0	0.43	0.02	0.06	0.50

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
17	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.83	kN 488.1	193	0.83	kN 484.8	193	0.86	kN -5.107e+04	kN m -2.517e+07	214

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
307	0.30	0.44	0.0 225,226,0		0.25	3.26e-03	0.06225,219,226		0.38	225	0.85	0.06	0.94
	9.96e-03	7.81e-03	0.0 225,226,0		0.25	9.98e-04	9.98e-04225,216,216				1.00	0.04	0.96
308	0.30	0.44	0.0 225,226,0		0.25	3.26e-03	0.06225,219,226		0.38	225	0.85	0.06	0.94
	6.58e-03	4.88e-03	0.0 225,226,0		0.25	9.98e-04	9.98e-04225,216,216				1.00	0.04	0.96
310	0.25	0.39	0.0 225,226,0		0.19	2.39e-03	0.05225,219,226		0.33	225	0.85	0.06	0.94
	9.96e-03	7.81e-03	0.0 225,226,0		0.19	2.56e-04	2.56e-04225,216,216				1.00	0.04	0.96
312	0.20	0.35	0.0 225,226,0		0.15	1.61e-03	0.05225,219,226		0.30	225	0.85	0.06	0.94
	5.08e-03	5.51e-03	0.0 225,226,0		0.15	8.14e-05	8.14e-05225,211,211				1.00	0.04	0.96
314	0.16	0.31	0.0 225,226,0		0.14	1.20e-03	0.04213,218,226		0.28	213	0.85	0.06	0.94
	1.62e-03	8.86e-03	0.0 223,52,0		0.14	1.03e-04	1.03e-04213,207,207				1.00	0.04	0.96
316	0.10	0.25	0.0 223,220,0		0.15	2.26e-03	0.03213,218,224		0.30	213	0.85	0.06	0.94
	0.0	0.02	0.0 0,52,0		0.15	4.54e-04	4.54e-04213,219,219				0.0	0.0	0.0
318	0.08	0.23	0.0 225,226,0		0.17	3.54e-03	0.03213,215,226		0.32	213	0.85	0.06	0.94
	2.65e-03	0.03	0.0 214,52,0		0.17	1.66e-03	1.66e-03213,204,204				1.00	0.04	0.96
320	0.06	0.21	0.0 223,220,0		0.17	3.54e-03	0.03213,215,220		0.32	213	0.85	0.06	0.94
	2.65e-03	0.03	0.0 214,52,0		0.17	1.66e-03	1.66e-03213,204,204				1.00	0.04	0.96
521	0.30	0.44	0.0 225,226,0		0.30	3.26e-03	0.06225,219,226		0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0 225,226,0		0.30	1.03e-03	1.03e-03225,216,216				1.00	0.04	0.96
522	0.30	0.44	0.0 225,226,0		0.29	3.26e-03	0.06225,219,226		0.42	225	0.85	0.06	0.94
	0.01	9.55e-03	0.0 225,226,0		0.29	1.03e-03	1.03e-03225,216,216				1.00	0.04	0.96
523	0.25	0.39	0.0 225,226,0		0.30	2.39e-03	0.05225,219,226		0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0 225,226,0		0.30	2.56e-04	2.56e-04225,216,216				1.00	0.04	0.96
524	0.20	0.35	0.0 225,226,0		0.29	1.61e-03	0.05225,219,226		0.41	225	0.85	0.06	0.94
	0.01	0.01	0.0 225,226,0		0.29	1.13e-04	1.13e-04225,206,206				1.00	0.04	0.96
525	0.16	0.31	0.0 225,226,0		0.28	1.35e-03	0.04225,218,226		0.41	225	0.85	0.06	0.94
	6.73e-03	0.01	0.0 223,52,0		0.28	1.59e-04	1.59e-04225,218,218				1.00	0.04	0.96
526	0.05	0.16	0.0 225,226,0		0.30	2.98e-03	0.02225,219,226		0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0 225,226,0		0.30	1.04e-03	1.04e-03225,216,216				1.00	0.04	0.96
527	0.04	0.15	0.0 225,226,0		0.29	2.98e-03	0.02225,219,226		0.42	225	0.85	0.06	0.94
	0.01	9.55e-03	0.0 225,226,0		0.29	1.04e-03	1.04e-03225,216,216				1.00	0.04	0.96
528	0.06	0.16	0.0 225,226,0		0.30	1.99e-03	0.02225,219,226		0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0 225,226,0		0.30	2.37e-04	2.37e-04225,216,216				1.00	0.04	0.96
529	0.06	0.16	0.0 225,226,0		0.30	1.13e-03	0.02225,216,226		0.42	225	0.85	0.06	0.94
	0.01	0.01	0.0 225,226,0		0.30	1.71e-04	1.71e-04225,210,210				1.00	0.04	0.96
530	0.06	0.16	0.0 225,226,0		0.30	1.35e-03	0.02225,218,226		0.42	225	0.85	0.06	0.94
	8.98e-03	0.01	0.0 223,220,0		0.30	1.76e-04	1.76e-04225,210,210				1.00	0.04	0.96

531	4.73e-03	0.11	0.0	223,52,0	0.31	2.98e-03	0.01225,219,214	0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0	225,226,0	0.31	1.05e-03	1.05e-03225,216,216			1.00	0.04	0.96
532	4.71e-03	0.11	0.0	225,52,0	0.30	2.98e-03	0.01225,219,214	0.42	225	0.85	0.06	0.94
	0.01	8.89e-03	0.0	225,226,0	0.30	1.05e-03	1.05e-03225,216,216			1.00	0.04	0.96
533	4.73e-03	0.11	0.0	223,52,0	0.31	1.99e-03	0.01225,219,214	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0	225,226,0	0.31	2.14e-04	2.14e-04225,216,216			1.00	0.04	0.96
534	4.64e-03	0.10	0.0	223,52,0	0.31	1.13e-03	0.01225,216,214	0.43	225	0.85	0.06	0.94
	0.01	0.02	0.0	225,226,0	0.31	2.08e-04	2.08e-04225,206,206			1.00	0.04	0.96
535	4.01e-03	0.10	0.0	223,52,0	0.31	1.24e-03	0.01225,212,220	0.43	225	0.85	0.06	0.94
	9.59e-03	0.01	0.0	223,220,0	0.31	2.08e-04	2.08e-04225,206,206			1.00	0.04	0.96
536	0.0	0.09	0.0	0,52,0	0.31	2.87e-03	9.96e-03225,216,52	0.43	225	0.0	0.0	0.0
	0.02	0.02	0.0	225,226,0	0.31	1.07e-03	1.07e-03225,216,216			1.00	0.04	0.96
537	0.0	0.09	0.0	0,52,0	0.30	2.87e-03	9.96e-03225,216,52	0.42	225	0.0	0.0	0.0
	9.23e-03	8.11e-03	0.0	225,226,0	0.30	1.07e-03	1.07e-03225,216,216			1.00	0.04	0.96
538	0.0	0.09	0.0	0,52,0	0.31	1.88e-03	9.89e-03225,216,52	0.43	225	0.0	0.0	0.0
	0.02	0.02	0.0	225,226,0	0.31	2.13e-04	2.13e-04225,211,211			1.00	0.04	0.96
539	0.0	0.09	0.0	0,52,0	0.31	1.05e-03	9.81e-03225,215,52	0.43	225	0.0	0.0	0.0
	0.01	0.02	0.0	225,226,0	0.31	2.13e-04	2.13e-04225,211,211			1.00	0.04	0.96
540	0.0	0.09	0.0	0,52,0	0.31	1.21e-03	9.73e-03225,216,52	0.43	225	0.0	0.0	0.0
	9.63e-03	0.01	0.0	223,224,0	0.31	2.08e-04	2.08e-04225,206,206			1.00	0.04	0.96
541	0.0	0.09	0.0	0,52,0	0.31	2.79e-03	9.20e-03225,216,52	0.43	225	0.0	0.0	0.0
	0.02	0.01	0.0	225,226,0	0.31	1.08e-03	1.08e-03225,216,216			1.00	0.04	0.96
542	0.0	0.09	0.0	0,52,0	0.30	2.79e-03	9.20e-03225,216,52	0.42	225	0.0	0.0	0.0
	7.81e-03	7.11e-03	0.0	225,226,0	0.30	1.08e-03	1.08e-03225,216,216			1.00	0.04	0.96
543	0.0	0.09	0.0	0,52,0	0.31	1.82e-03	9.13e-03225,216,52	0.43	225	0.0	0.0	0.0
	0.02	0.01	0.0	225,226,0	0.31	2.19e-04	2.19e-04225,211,211			1.00	0.04	0.96
544	0.0	0.09	0.0	0,52,0	0.31	1.01e-03	9.06e-03225,212,52	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.31	2.19e-04	2.19e-04225,211,211			1.00	0.04	0.96
545	0.0	0.08	0.0	0,52,0	0.31	1.15e-03	8.99e-03225,209,52	0.43	225	0.0	0.0	0.0
	9.63e-03	0.01	0.0	223,224,0	0.31	1.89e-04	1.89e-04225,207,207			1.00	0.04	0.96
546	0.0	0.08	0.0	0,52,0	0.31	2.71e-03	8.92e-03225,209,52	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.31	1.09e-03	1.09e-03225,216,216			1.00	0.04	0.96
547	0.0	0.08	0.0	0,52,0	0.30	2.71e-03	8.92e-03225,209,52	0.42	225	0.0	0.0	0.0
	6.59e-03	6.16e-03	0.0	225,226,0	0.30	1.09e-03	1.09e-03225,216,216			1.00	0.04	0.96
548	0.0	0.08	0.0	0,52,0	0.31	1.71e-03	8.86e-03225,217,52	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,224,0	0.31	2.35e-04	2.35e-04225,208,208			1.00	0.04	0.96
549	0.0	0.08	0.0	0,52,0	0.31	9.45e-04	8.80e-03225,217,52	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	227,224,0	0.31	2.35e-04	2.35e-04225,208,208			1.00	0.04	0.96
550	0.0	0.08	0.0	0,52,0	0.31	1.15e-03	8.72e-03225,209,52	0.43	225	0.0	0.0	0.0
	9.37e-03	0.01	0.0	223,220,0	0.31	2.33e-04	2.33e-04225,204,204			1.00	0.04	0.96
551	0.0	0.09	0.0	0,52,0	0.31	2.73e-03	9.22e-03225,209,52	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	227,224,0	0.31	1.09e-03	1.09e-03225,216,216			1.00	0.04	0.96
552	0.0	0.09	0.0	0,52,0	0.30	2.73e-03	9.22e-03225,209,52	0.42	225	0.0	0.0	0.0
	5.39e-03	5.15e-03	0.0	227,224,0	0.30	1.09e-03	1.09e-03225,216,216			1.00	0.04	0.96
553	0.0	0.09	0.0	0,52,0	0.31	1.71e-03	9.17e-03225,217,52	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,224,0	0.31	2.64e-04	2.64e-04225,219,219			1.00	0.04	0.96
554	0.0	0.09	0.0	0,52,0	0.31	9.45e-04	9.10e-03225,217,52	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.31	3.21e-04	3.21e-04225,205,205			1.00	0.04	0.96
555	0.0	0.08	0.0	0,52,0	0.31	1.07e-03	9.03e-03225,204,52	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.31	3.67e-04	3.67e-04225,208,208			1.00	0.04	0.96
556	0.0	0.09	0.0	0,52,0	0.30	2.75e-03	0.01225,209,225	0.42	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.30	1.08e-03	1.08e-03225,216,216			1.00	0.04	0.96
557	0.0	0.09	0.0	0,52,0	0.30	2.75e-03	0.01225,209,207	0.42	225	0.0	0.0	0.0
	5.29e-03	4.53e-03	0.0	223,220,0	0.30	1.08e-03	1.08e-03225,216,216			1.00	0.04	0.96
558	0.0	0.09	0.0	0,52,0	0.31	1.68e-03	0.01225,209,225	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.31	3.46e-04	3.46e-04225,214,214			1.00	0.04	0.96
559	0.0	0.09	0.0	0,52,0	0.31	9.22e-04	0.01225,217,225	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.31	3.21e-04	3.21e-04225,205,205			1.00	0.04	0.96
560	0.0	0.09	0.0	0,52,0	0.31	1.06e-03	9.93e-03225,204,213	0.42	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.31	4.88e-04	4.88e-04225,209,209			1.00	0.04	0.96
561	0.03	0.12	0.0	226,225,0	0.30	2.77e-03	0.01225,209,225	0.42	225	0.85	0.06	0.94
	0.01	0.01	0.0	223,220,0	0.30	1.06e-03	1.06e-03225,216,216			1.00	0.04	0.96
562	0.03	0.12	0.0	226,225,0	0.30	2.77e-03	0.01225,209,223	0.42	225	0.85	0.06	0.94
	6.08e-03	4.66e-03	0.0	223,220,0	0.30	1.06e-03	1.06e-03225,216,216			1.00	0.04	0.96
563	0.03	0.12	0.0	226,225,0	0.30	1.66e-03	0.01225,209,225	0.42	225	0.85	0.06	0.94
	0.02	0.01	0.0	223,220,0	0.30	3.53e-04	3.53e-04225,214,214			1.00	0.04	0.96
564	0.03	0.12	0.0	226,225,0	0.30	8.54e-04	0.01225,217,225	0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0	223,220,0	0.30	3.70e-04	3.70e-04225,217,217			1.00	0.04	0.96
565	0.03	0.11	0.0	226,225,0	0.30	1.07e-03	0.01225,210,225	0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0	223,220,0	0.30	4.88e-04	4.88e-04225,209,209			1.00	0.04	0.96
566	0.05	0.14	0.0	226,225,0	0.31	2.80e-03	0.02225,209,225	0.43	225	0.85	0.06	0.94
	0.01	0.01	0.0	223,220,0	0.31	1.05e-03	1.05e-03225,216,216			1.00	0.04	0.96
567	0.05	0.14	0.0	226,225,0	0.31	2.80e-03	0.02225,209,225	0.42	225	0.85	0.06	0.94
	6.79e-03	4.66e-03	0.0	223,220,0	0.31	1.05e-03	1.05e-03225,216,216			1.00	0.04	0.96
568	0.05	0.15	0.0	226,225,0	0.31	1.64e-03	0.02225,209,225	0.43	225	0.85	0.06	0.94

	0.02	0.01	0.0 223,220,0	0.31	3.99e-04	3.99e-04225,204,204			1.00	0.04	0.96
569	0.06	0.15	0.0 226,225,0	0.31	7.24e-04	0.02225,217,225	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.31	4.74e-04	4.74e-04225,217,217			1.00	0.04	0.96
570	0.06	0.16	0.0 226,225,0	0.31	1.40e-03	0.02225,209,225	0.43	225	0.85	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.31	4.74e-04	4.74e-04225,217,217			1.00	0.04	0.96
571	0.05	0.13	0.0 226,225,0	0.34	2.86e-03	0.02225,210,221	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0 223,220,0	0.34	1.58e-03	1.58e-03225,208,208			1.00	0.04	0.96
572	0.04	0.13	0.0 226,225,0	0.32	2.86e-03	0.02225,210,221	0.43	225	0.85	0.06	0.94
	6.03e-03	4.68e-03	0.0 223,204,0	0.32	1.58e-03	1.58e-03225,208,208			1.00	0.04	0.96
573	0.05	0.13	0.0 226,225,0	0.37	1.63e-03	0.02225,210,225	0.46	225	0.85	0.06	0.94
	0.02	0.01	0.0 223,220,0	0.37	5.77e-04	5.77e-04225,209,209			1.00	0.04	0.96
574	0.05	0.14	0.0 226,225,0	0.40	6.37e-04	0.02225,209,225	0.48	225	0.85	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.40	5.69e-04	5.69e-04225,209,209			1.00	0.04	0.96
575	0.05	0.15	0.0 226,225,0	0.44	1.49e-03	0.02225,209,225	0.51	225	0.85	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.44	5.69e-04	5.69e-04225,209,209			1.00	0.04	0.96
576	0.02	0.07	0.0 226,225,0	0.34	2.90e-03	9.66e-03225,210,225	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0 211,208,0	0.34	1.68e-03	1.68e-03225,213,213			1.00	0.04	0.96
577	0.02	0.07	0.0 226,225,0	0.32	2.90e-03	9.66e-03225,210,225	0.43	225	0.85	0.06	0.94
	5.04e-03	6.20e-03	0.0 206,205,0	0.32	1.68e-03	1.68e-03225,213,213			1.00	0.04	0.96
578	0.02	0.07	0.0 226,225,0	0.36	1.63e-03	9.12e-03225,210,213	0.46	225	0.85	0.06	0.94
	0.01	0.01	0.0 223,204,0	0.36	7.18e-04	7.18e-04225,209,209			1.00	0.04	0.96
579	0.02	0.07	0.0 226,225,0	0.39	6.07e-04	8.74e-03225,210,225	0.48	225	0.85	0.06	0.94
	0.01	0.01	0.0 223,220,0	0.39	7.18e-04	7.18e-04225,209,209			1.00	0.04	0.96
580	0.02	0.07	0.0 226,225,0	0.40	1.18e-03	7.87e-03225,210,213	0.49	225	0.85	0.06	0.94
	0.01	0.01	0.0 223,220,0	0.40	1.47e-03	1.47e-03225,210,210			1.00	0.04	0.96
581	0.0	0.04	0.0 0,52,0	0.32	2.90e-03	5.67e-03225,210,210	0.43	225	0.0	0.0	0.0
	0.01	0.01	0.0 210,209,0	0.32	1.84e-03	1.84e-03225,205,205			1.00	0.04	0.96
582	0.0	0.04	0.0 0,52,0	0.31	2.90e-03	5.67e-03225,210,210	0.43	225	0.0	0.0	0.0
	7.53e-03	8.27e-03	0.0 210,209,0	0.31	1.84e-03	1.84e-03225,205,205			1.00	0.04	0.96
583	0.0	0.04	0.0 0,52,0	0.33	1.61e-03	5.36e-03225,206,211	0.44	225	0.0	0.0	0.0
	0.01	0.01	0.0 210,209,0	0.33	1.01e-03	1.01e-03225,209,209			1.00	0.04	0.96
584	0.0	0.04	0.0 0,52,0	0.34	6.00e-04	4.90e-03225,210,211	0.45	225	0.0	0.0	0.0
	0.01	0.01	0.0 207,204,0	0.34	1.02e-03	1.02e-03225,205,205			1.00	0.04	0.96
585	0.0	0.03	0.0 0,52,0	0.34	1.04e-03	5.03e-03225,206,207	0.45	225	0.0	0.0	0.0
	9.80e-03	0.01	0.0 207,220,0	0.34	1.69e-03	1.69e-03225,210,210			1.00	0.04	0.96
586	3.90e-03	0.06	0.0 207,52,0	0.32	2.71e-03	7.53e-03226,206,204	0.44	226	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0	0.32	2.11e-03	2.11e-03226,205,205			1.00	0.04	0.96
587	0.0	0.06	0.0 0,52,0	0.31	2.71e-03	7.42e-03225,206,204	0.42	225	0.0	0.0	0.0
	0.01	0.01	0.0 210,209,0	0.31	2.11e-03	2.11e-03225,205,205			1.00	0.04	0.96
588	0.01	0.05	0.0 207,52,0	0.33	1.51e-03	7.78e-03226,211,208	0.44	226	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0	0.33	1.01e-03	1.01e-03226,209,209			1.00	0.04	0.96
589	0.01	0.05	0.0 206,204,0	0.34	1.39e-03	7.78e-03226,210,208	0.45	226	0.85	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.34	1.07e-03	1.07e-03226,204,204			1.00	0.04	0.96
590	0.01	0.05	0.0 210,205,0	0.34	1.04e-03	7.11e-03226,206,205	0.45	226	0.85	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.34	1.69e-03	1.69e-03226,210,210			1.00	0.04	0.96
591	0.18	0.19	0.0 210,209,0	0.32	2.26e-03	0.03226,217,209	0.44	226	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0	0.32	4.29e-03	4.29e-03226,209,209			1.00	0.04	0.96
592	0.18	0.19	0.0 210,209,0	0.31	2.26e-03	0.03225,217,209	0.42	225	0.85	0.06	0.94
	0.01	0.01	0.0 210,209,0	0.31	2.11e-03	2.11e-03225,205,205			1.00	0.04	0.96
593	0.13	0.16	0.0 210,209,0	0.33	3.21e-03	0.02226,209,209	0.44	226	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0	0.33	4.29e-03	4.29e-03226,209,209			1.00	0.04	0.96
594	0.09	0.13	0.0 206,205,0	0.34	3.21e-03	0.02226,209,209	0.45	226	0.85	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.34	2.53e-03	2.53e-03226,210,210			1.00	0.04	0.96
595	0.07	0.12	0.0 207,204,0	0.34	2.46e-03	0.02226,210,204	0.45	226	0.85	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.34	3.38e-03	3.38e-03226,214,214			1.00	0.04	0.96
596	0.18	0.19	0.0 210,209,0	0.28	2.26e-03	0.03225,217,209	0.41	225	0.85	0.06	0.94
	9.11e-03	9.75e-03	0.0 210,209,0	0.28	4.29e-03	4.29e-03225,209,209			1.00	0.04	0.96
597	0.18	0.19	0.0 210,209,0	0.28	2.26e-03	0.03225,217,209	0.41	225	0.85	0.06	0.94
	4.37e-03	7.21e-03	0.0 210,209,0	0.28	1.84e-03	1.84e-03225,229,229			1.00	0.04	0.96
598	0.13	0.16	0.0 210,209,0	0.27	3.21e-03	0.02226,209,209	0.40	226	0.85	0.06	0.94
	9.11e-03	9.75e-03	0.0 210,209,0	0.27	4.29e-03	4.29e-03226,209,209			1.00	0.04	0.96
599	0.09	0.13	0.0 206,205,0	0.28	3.21e-03	0.02226,209,209	0.41	226	0.85	0.06	0.94
	5.58e-03	6.53e-03	0.0 207,204,0	0.28	2.53e-03	2.53e-03226,210,210			1.00	0.04	0.96
600	0.07	0.12	0.0 207,204,0	0.31	2.46e-03	0.02226,210,204	0.43	226	0.85	0.06	0.94
	3.06e-03	7.14e-03	0.0 215,212,0	0.31	3.38e-03	3.38e-03226,214,214			1.00	0.04	0.96
601	0.10	0.25	0.0 223,220,0	0.27	2.27e-03	0.03225,218,224	0.40	225	0.85	0.06	0.94
	3.74e-04	0.02	0.0 223,52,0	0.27	6.19e-04	6.19e-04225,214,214			1.00	0.04	0.96
602	0.08	0.23	0.0 225,226,0	0.26	3.63e-03	0.03225,212,226	0.39	225	0.85	0.06	0.94
	2.65e-03	0.03	0.0 214,52,0	0.26	1.66e-03	1.66e-03225,204,204			1.00	0.04	0.96
603	0.06	0.21	0.0 223,220,0	0.25	3.63e-03	0.03225,212,220	0.38	225	0.85	0.06	0.94
	2.65e-03	0.03	0.0 214,52,0	0.25	1.66e-03	1.66e-03225,204,204			1.00	0.04	0.96
604	0.05	0.16	0.0 225,226,0	0.29	2.27e-03	0.02225,218,226	0.42	225	0.85	0.06	0.94
	2.86e-03	0.02	0.0 223,52,0	0.29	6.19e-04	6.19e-04225,214,214			1.00	0.04	0.96
605	0.05	0.16	0.0 225,226,0	0.29	3.63e-03	0.02225,212,226	0.41	225	0.85	0.06	0.94
	7.81e-04	0.02	0.0 214,52,0	0.29	1.12e-03	1.12e-03225,208,208			1.00	0.04	0.96

606	0.05	0.15	0.0	225,226,0	0.29	3.63e-03	0.02225,212,214	0.41	225	0.85	0.06	0.94
	7.81e-04	0.02	0.0	214,52,0	0.29	1.12e-03	1.12e-03225,208,208			1.00	0.04	0.96
607	2.58e-03	0.10	0.0	223,52,0	0.31	2.13e-03	0.01225,217,214	0.43	225	0.85	0.06	0.94
	3.66e-03	0.02	0.0	223,52,0	0.31	5.13e-04	5.13e-04225,211,211			1.00	0.04	0.96
608	0.0	0.10	0.0	0,52,0	0.30	3.12e-03	0.01225,218,214	0.42	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.30	1.90e-03	1.90e-03225,216,216			0.0	0.0	0.0
609	0.0	0.10	0.0	0,52,0	0.30	3.12e-03	0.01225,218,214	0.42	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.30	1.90e-03	1.90e-03225,216,216			0.0	0.0	0.0
610	0.0	0.09	0.0	0,52,0	0.31	2.01e-03	9.65e-03225,217,52	0.43	225	0.0	0.0	0.0
	3.99e-03	0.02	0.0	223,52,0	0.31	4.37e-04	4.37e-04225,211,211			1.00	0.04	0.96
611	0.0	0.09	0.0	0,52,0	0.31	3.12e-03	9.59e-03225,218,52	0.43	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.31	1.90e-03	1.90e-03225,216,216			0.0	0.0	0.0
612	0.0	0.09	0.0	0,52,0	0.31	3.12e-03	9.58e-03225,218,52	0.43	225	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.31	1.90e-03	1.90e-03225,216,216			0.0	0.0	0.0
613	0.0	0.08	0.0	0,52,0	0.31	2.06e-03	8.92e-03225,217,52	0.43	225	0.0	0.0	0.0
	4.42e-03	0.02	0.0	223,52,0	0.31	5.64e-04	5.64e-04225,211,211			1.00	0.04	0.96
614	0.0	0.08	0.0	0,52,0	0.31	3.14e-03	8.86e-03225,216,52	0.43	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.31	1.07e-03	1.07e-03225,216,216			0.0	0.0	0.0
615	0.0	0.08	0.0	0,52,0	0.31	3.14e-03	8.83e-03225,216,52	0.43	225	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.31	1.07e-03	1.07e-03225,216,216			0.0	0.0	0.0
616	0.0	0.08	0.0	0,52,0	0.31	2.06e-03	8.66e-03225,217,52	0.43	225	0.0	0.0	0.0
	6.20e-03	0.01	0.0	223,52,0	0.31	5.64e-04	5.64e-04225,211,211			1.00	0.04	0.96
617	0.0	0.08	0.0	0,52,0	0.31	3.14e-03	8.62e-03225,216,52	0.43	225	0.0	0.0	0.0
	8.57e-04	0.01	0.0	204,52,0	0.31	1.07e-03	1.07e-03225,216,216			1.00	0.04	0.96
618	0.0	0.08	0.0	0,52,0	0.31	3.14e-03	8.59e-03225,216,52	0.43	225	0.0	0.0	0.0
	8.57e-04	0.01	0.0	204,52,0	0.31	1.07e-03	1.07e-03225,216,216			1.00	0.04	0.96
619	0.0	0.08	0.0	0,52,0	0.31	1.85e-03	8.97e-03225,212,52	0.43	225	0.0	0.0	0.0
	7.98e-03	0.01	0.0	223,220,0	0.31	4.13e-04	4.13e-04225,208,208			1.00	0.04	0.96
620	0.0	0.08	0.0	0,52,0	0.31	2.97e-03	8.93e-03226,214,214	0.43	226	0.0	0.0	0.0
	0.01	0.02	0.0	220,223,0	0.31	2.18e-03	2.18e-03226,214,214			1.00	0.04	0.96
621	0.0	0.08	0.0	0,52,0	0.31	2.97e-03	8.90e-03226,217,52	0.43	226	0.0	0.0	0.0
	0.01	0.02	0.0	220,223,0	0.31	2.18e-03	2.18e-03226,214,214			1.00	0.04	0.96
622	0.0	0.09	0.0	0,52,0	0.30	1.83e-03	0.01225,209,213	0.42	225	0.0	0.0	0.0
	0.01	0.01	0.0	223,220,0	0.30	8.98e-04	8.98e-04225,205,205			1.00	0.04	0.96
623	0.0	0.09	0.0	0,52,0	0.30	3.13e-03	0.01226,217,213	0.42	226	0.0	0.0	0.0
	0.01	0.02	0.0	220,223,0	0.30	2.18e-03	2.18e-03226,214,214			1.00	0.04	0.96
624	0.0	0.09	0.0	0,52,0	0.30	3.13e-03	0.01226,217,213	0.42	226	0.0	0.0	0.0
	0.01	0.02	0.0	220,223,0	0.30	2.18e-03	2.18e-03226,214,214			1.00	0.04	0.96
625	0.03	0.11	0.0	226,225,0	0.29	1.83e-03	0.01226,209,225	0.42	226	0.85	0.06	0.94
	0.01	0.02	0.0	223,222,0	0.29	1.61e-03	1.61e-03226,209,209			1.00	0.04	0.96
626	0.03	0.11	0.0	226,225,0	0.29	3.13e-03	0.01226,217,225	0.41	226	0.85	0.06	0.94
	0.01	0.02	0.0	204,207,0	0.29	2.63e-03	2.63e-03226,209,209			1.00	0.04	0.96
627	0.03	0.11	0.0	226,225,0	0.29	3.13e-03	0.01226,217,225	0.41	226	0.85	0.06	0.94
	0.01	0.02	0.0	204,207,0	0.29	2.63e-03	2.63e-03226,209,209			1.00	0.04	0.96
628	0.07	0.18	0.0	226,225,0	0.30	1.98e-03	0.02225,209,225	0.42	225	0.85	0.06	0.94
	0.02	0.02	0.0	221,222,0	0.30	1.61e-03	1.61e-03225,209,209			1.00	0.04	0.96
629	0.09	0.19	0.0	226,225,0	0.29	2.87e-03	0.02225,209,225	0.42	225	0.85	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.29	5.45e-03	5.45e-03225,209,209			1.00	0.04	0.96
630	0.09	0.19	0.0	226,225,0	0.26	2.87e-03	0.02225,209,225	0.39	225	0.85	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.26	5.45e-03	5.45e-03225,209,209			1.00	0.04	0.96
631	0.05	0.16	0.0	226,225,0	0.49	2.05e-03	0.02225,209,225	0.54	225	0.85	0.06	0.94
	0.02	0.02	0.0	221,222,0	0.49	1.31e-03	1.31e-03225,205,205			1.00	0.04	0.96
632	0.07	0.17	0.0	226,225,0	0.59	2.47e-03	0.02225,209,225	0.59	225	0.85	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.59	7.59e-03	7.59e-03225,209,209			1.00	0.04	0.96
633	0.07	0.17	0.0	226,225,0	0.59	2.47e-03	0.02225,209,225	0.59	225	0.85	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.59	7.59e-03	7.59e-03225,209,209			1.00	0.04	0.96
634	0.02	0.06	0.0	226,225,0	0.42	1.70e-03	7.75e-03225,207,213	0.50	225	0.85	0.06	0.94
	7.81e-03	0.01	0.0	223,222,0	0.42	1.64e-03	1.64e-03225,210,210			1.00	0.04	0.96
635	0.02	0.06	0.0	226,225,0	0.42	2.51e-03	7.15e-03225,209,213	0.50	225	0.85	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.42	5.59e-03	5.59e-03225,205,205			1.00	0.04	0.96
636	9.43e-03	0.05	0.0	226,225,0	0.42	2.51e-03	7.01e-03225,209,213	0.49	225	0.85	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.42	5.59e-03	5.59e-03225,205,205			1.00	0.04	0.96
637	0.0	0.03	0.0	0,52,0	0.34	1.78e-03	5.03e-03225,211,207	0.45	225	0.0	0.0	0.0
	7.26e-03	0.01	0.0	223,220,0	0.34	1.69e-03	1.69e-03225,210,210			1.00	0.04	0.96
638	0.0	0.03	0.0	0,52,0	0.34	2.66e-03	4.87e-03225,207,207	0.45	225	0.0	0.0	0.0
	0.03	0.03	0.0	225,226,0	0.34	2.73e-03	2.73e-03225,206,206			1.00	0.04	0.96
639	0.0	0.03	0.0	0,52,0	0.33	2.66e-03	4.76e-03225,207,207	0.44	225	0.0	0.0	0.0
	0.03	0.03	0.0	225,226,0	0.33	2.73e-03	2.73e-03225,206,206			1.00	0.04	0.96
640	0.01	0.05	0.0	210,209,0	0.34	1.78e-03	7.50e-03226,211,205	0.45	226	0.85	0.06	0.94
	9.79e-03	0.01	0.0	207,204,0	0.34	1.69e-03	1.69e-03226,210,210			1.00	0.04	0.96
641	0.01	0.04	0.0	210,209,0	0.34	3.11e-03	7.50e-03226,210,205	0.45	226	0.85	0.06	0.94
	0.03	0.03	0.0	225,226,0	0.34	2.14e-03	2.14e-03226,214,214			1.00	0.04	0.96
642	8.49e-03	0.03	0.0	207,204,0	0.34	3.11e-03	6.77e-03226,211,204	0.45	226	0.85	0.06	0.94
	0.03	0.03	0.0	225,226,0	0.34	2.14e-03	2.14e-03226,214,214			1.00	0.04	0.96
643	0.07	0.12	0.0	223,220,0	0.36	3.78e-03	0.02226,204,204	0.46	226	0.85	0.06	0.94

	9.79e-03	0.01	0.0 207,204,0	0.36	3.38e-03	3.38e-03226,214,214			1.00	0.04	0.96
644	0.13	0.24	0.0 223,220,0	0.46	6.37e-03	0.03226,218,220	0.52	226	0.85	0.06	0.94
	0.10	0.08	0.0 225,226,0	0.46	2.58e-03	2.58e-03226,214,214			1.00	0.04	0.96
645	0.02	0.06	0.0 207,204,0	0.38	3.11e-03	7.95e-03226,210,204	0.48	226	0.85	0.06	0.94
	0.10	0.08	0.0 225,226,0	0.38	2.58e-03	2.58e-03226,214,214			1.00	0.04	0.96
646	0.07	0.12	0.0 223,220,0	0.36	3.78e-03	0.02226,204,204	0.46	226	0.85	0.06	0.94
	3.06e-03	0.01	0.0 215,52,0	0.36	3.38e-03	3.38e-03226,214,214			1.00	0.04	0.96
647	0.13	0.24	0.0 223,220,0	0.46	6.37e-03	0.03226,218,220	0.52	226	0.85	0.06	0.94
	4.26e-03	0.01	0.0 213,214,0	0.46	1.80e-03	1.80e-03226,218,218			1.00	0.04	0.96
648	0.13	0.24	0.0 223,220,0	0.46	6.37e-03	0.03226,218,220	0.52	226	0.85	0.06	0.94
	0.10	0.08	0.0 225,226,0	0.46	2.58e-03	2.58e-03226,214,214			1.00	0.04	0.96
2235	0.06	0.15	0.0 226,225,0	0.40	6.37e-04	0.02225,210,225	0.48	225	0.85	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.40	5.01e-04	5.01e-04225,209,209			1.00	0.04	0.96
2347	0.06	0.16	0.0 226,225,0	0.44	1.49e-03	0.02225,209,225	0.51	225	0.85	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.44	5.33e-04	5.33e-04225,209,209			1.00	0.04	0.96
2368	0.09	0.19	0.0 226,225,0	0.59	2.08e-03	0.02225,210,225	0.59	225	0.85	0.06	0.94
	0.03	0.03	0.0 209,210,0	0.59	7.59e-03	7.59e-03225,209,209			1.00	0.04	0.96
2923	0.07	0.18	0.0 226,225,0	0.49	2.05e-03	0.02225,209,225	0.54	225	0.85	0.06	0.94
	0.02	0.02	0.0 221,222,0	0.49	1.07e-03	1.07e-03225,210,210			1.00	0.04	0.96
2924	0.05	0.15	0.0 226,225,0	0.37	1.63e-03	0.02225,210,225	0.46	225	0.85	0.06	0.94
	0.02	0.01	0.0 223,220,0	0.37	4.70e-04	4.70e-04225,209,209			1.00	0.04	0.96
2952	0.09	0.19	0.0 226,225,0	0.59	2.08e-03	0.02225,210,225	0.59	225	0.85	0.06	0.94
	0.03	0.03	0.0 209,210,0	0.59	7.59e-03	7.59e-03225,209,209			1.00	0.04	0.96
2954	0.05	0.14	0.0 226,225,0	0.34	2.83e-03	0.02225,209,225	0.45	225	0.85	0.06	0.94
	0.01	0.01	0.0 223,220,0	0.34	1.07e-03	1.07e-03225,216,216			1.00	0.04	0.96
2956	0.05	0.14	0.0 226,225,0	0.32	2.83e-03	0.02225,209,225	0.43	225	0.85	0.06	0.94
	6.79e-03	4.64e-03	0.0 223,220,0	0.32	1.07e-03	1.07e-03225,216,216			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.30	0.44	0.0	0.59	7.59e-03	0.06	0.59

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
18	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.53	kN 28.3	177	0.66	kN 34.8	177	0.73	kN 9455.6	kN m -9.040e+05	224

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
649	0.18	0.20	0.0 224,227,0		0.04	3.03e-03	0.03209,235,227		0.16	209	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0		0.04	2.96e-03	2.96e-03209,235,235				1.00	0.04	0.96
650	0.18	0.20	0.0 224,227,0		0.05	0.01	0.03209,18,227		0.17	209	0.85	0.06	0.94
	0.06	0.04	0.0 210,209,0		0.05	3.92e-03	3.92e-03 209,19,19				1.00	0.04	0.96
651	0.18	0.20	0.0 224,227,0		0.03	0.01	0.03209,18,227		0.13	209	0.85	0.06	0.94
	0.01	0.01	0.0 234,233,0		0.03	3.92e-03	3.92e-03 209,19,19				1.00	0.04	0.96
652	0.15	0.19	0.0 224,227,0		0.10	2.60e-03	0.02209,18,227		0.24	209	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0		0.10	2.96e-03	2.96e-03209,235,235				1.00	0.04	0.96
653	0.15	0.19	0.0 224,227,0		0.11	9.41e-03	0.02209,18,227		0.26	209	0.85	0.06	0.94
	0.06	0.04	0.0 210,209,0		0.11	2.96e-03	2.96e-03209,235,235				1.00	0.04	0.96
654	0.13	0.17	0.0 224,227,0		0.11	1.73e-03	0.02209,18,227		0.26	209	0.85	0.06	0.94
	0.02	0.01	0.0 210,209,0		0.11	2.57e-03	2.57e-03 209,18,18				1.00	0.04	0.96
655	0.13	0.17	0.0 224,227,0		0.12	6.13e-03	0.02209,18,227		0.27	209	0.85	0.06	0.94
	0.04	0.03	0.0 210,209,0		0.12	2.57e-03	2.57e-03 209,18,18				1.00	0.04	0.96
656	0.04	0.04	0.0 210,28,0		0.05	0.02	0.03 209,19,18		0.17	209	0.85	0.06	0.94
	0.09	0.07	0.0 210,209,0		0.05	3.92e-03	3.92e-03 209,19,19				1.00	0.04	0.96
657	0.04	0.04	0.0 210,28,0		0.03	0.02	0.03 209,19,18		0.13	209	0.85	0.06	0.94
	0.01	0.01	0.0 234,233,0		0.03	3.92e-03	3.92e-03 209,19,19				1.00	0.04	0.96
658	0.06	0.06	0.0 207,209,0		0.11	0.02	0.03 209,19,18		0.26	209	0.85	0.06	0.94
	0.09	0.07	0.0 210,209,0		0.11	2.23e-03	2.23e-03 209,19,19				1.00	0.04	0.96
659	0.06	0.06	0.0 207,209,0		0.12	8.50e-03	0.02 209,19,18		0.27	209	0.85	0.06	0.94
	0.07	0.05	0.0 210,209,0		0.12	2.13e-03	2.13e-03 209,18,18				1.00	0.04	0.96
660	0.04	0.04	0.0 210,209,0		0.03	0.02	0.03 209,19,18		0.13	209	0.85	0.06	0.94
	0.09	0.07	0.0 210,209,0		0.03	2.92e-03	2.92e-03 209,19,19				1.00	0.04	0.96
661	0.04	0.04	0.0 210,209,0		0.03	0.02	0.03 209,19,18		0.13	209	0.85	0.06	0.94
	8.56e-03	9.12e-03	0.0 232,235,0		0.03	2.92e-03	2.92e-03 209,19,19				1.00	0.04	0.96
662	0.06	0.06	0.0 207,209,0		0.10	0.02	0.03 209,19,18		0.24	209	0.85	0.06	0.94
	0.09	0.07	0.0 210,209,0		0.10	2.13e-03	2.13e-03 209,18,18				1.00	0.04	0.96
663	0.06	0.06	0.0 207,209,0		0.10	8.50e-03	0.02 209,19,18		0.24	209	0.85	0.06	0.94
	0.07	0.05	0.0 210,209,0		0.10	2.13e-03	2.13e-03 209,18,18				1.00	0.04	0.96
664	0.10	0.15	0.0 224,227,0		0.12	1.15e-03	0.02229,216,227		0.27	229	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0		0.12	2.57e-03	2.57e-03 229,18,18				1.00	0.04	0.96

665	0.18	0.20	0.0 224,227,0	0.03	3.03e-03	0.03209,235,227	0.13	209	0.85	0.06	0.94
	2.52e-03	7.58e-03	0.0 234,44,0	0.03	2.32e-03	2.32e-03 209,18,18			1.00	0.04	0.96
666	0.10	0.15	0.0 224,227,0	0.12	2.39e-03	0.02229,18,227	0.27	229	0.85	0.06	0.94
	0.05	0.04	0.0 204,207,0	0.12	2.57e-03	2.57e-03 229,18,18			1.00	0.04	0.96
667	0.08	0.14	0.0 232,235,0	0.12	5.46e-03	0.02229,19,235	0.27	229	0.85	0.06	0.94
	0.06	0.05	0.0 204,207,0	0.12	2.41e-03	2.41e-03 229,19,19			1.00	0.04	0.96
668	0.08	0.14	0.0 232,235,0	0.12	1.30e-03	0.02229,212,235	0.27	229	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.12	2.40e-03	2.40e-03 229,19,19			1.00	0.04	0.96
669	0.05	0.04	0.0 19,18,0	0.12	4.75e-03	0.02 209,19,18	0.27	209	0.85	0.06	0.94
	0.07	0.05	0.0 204,207,0	0.12	4.41e-03	4.41e-03 209,19,19			1.00	0.04	0.96
670	0.05	0.04	0.0 19,18,0	0.12	0.02	0.03 209,19,18	0.26	209	0.85	0.06	0.94
	0.10	0.08	0.0 204,207,0	0.12	4.41e-03	4.41e-03 209,19,19			1.00	0.04	0.96
671	0.05	0.04	0.0 19,18,0	0.09	4.75e-03	0.02 207,19,18	0.23	207	0.85	0.06	0.94
	0.07	0.05	0.0 204,207,0	0.09	4.41e-03	4.41e-03 207,19,19			1.00	0.04	0.96
672	0.05	0.04	0.0 19,18,0	0.09	0.02	0.03 207,19,18	0.23	207	0.85	0.06	0.94
	0.10	0.08	0.0 204,207,0	0.09	4.41e-03	4.41e-03 207,19,19			1.00	0.04	0.96
673	0.06	0.13	0.0 232,235,0	0.13	9.02e-03	0.02 229,18,18	0.28	229	0.85	0.06	0.94
	0.06	0.05	0.0 204,207,0	0.13	3.56e-03	3.56e-03 229,19,19			1.00	0.04	0.96
674	0.05	0.22	0.0 232,235,0	0.21	0.01	0.03229,18,229	0.35	229	0.85	0.06	0.94
	0.01	0.02	0.0 207,28,0	0.21	6.83e-03	6.83e-03 229,18,18			1.00	0.04	0.96
675	8.28e-03	0.01	0.0 232,235,0	0.14	0.01	0.02 229,18,18	0.29	229	0.85	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.14	6.83e-03	6.83e-03 229,18,18			1.00	0.04	0.96
676	0.04	0.04	0.0 19,18,0	0.04	0.02	0.03 209,19,18	0.16	209	0.85	0.06	0.94
	0.10	0.08	0.0 204,207,0	0.04	3.36e-03	3.36e-03 209,18,18			1.00	0.04	0.96
677	0.03	0.02	0.0 19,18,0	0.03	0.02	0.03 207,19,18	0.13	209	0.85	0.06	0.94
	9.46e-03	0.02	0.0 19,28,0	0.03	2.72e-03	2.72e-03 209,19,19			1.00	0.04	0.96
678	9.12e-03	7.18e-03	0.0 19,15,0	0.03	0.02	0.02 209,19,19	0.12	209	0.85	0.06	0.94
	9.46e-03	0.01	0.0 19,204,0	0.03	2.61e-03	2.61e-03 209,19,19			1.00	0.04	0.96
679	0.04	0.04	0.0 19,18,0	0.02	0.02	0.03 209,19,18	0.11	207	0.85	0.06	0.94
	0.10	0.08	0.0 204,207,0	0.02	3.36e-03	3.36e-03 207,18,18			1.00	0.04	0.96
680	0.03	0.02	0.0 19,18,0	0.02	0.02	0.03 207,19,18	0.11	207	0.85	0.06	0.94
	9.46e-03	0.01	0.0 19,235,0	0.02	2.72e-03	2.72e-03 207,19,19			1.00	0.04	0.96
681	9.12e-03	7.18e-03	0.0 19,15,0	0.02	0.02	0.02 207,19,19	0.11	207	0.85	0.06	0.94
	9.46e-03	0.01	0.0 19,18,0	0.02	2.61e-03	2.61e-03 207,19,19			1.00	0.04	0.96
687	0.06	0.13	0.0 232,235,0	0.13	1.98e-03	0.02229,15,235	0.28	229	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.13	3.56e-03	3.56e-03 229,19,19			1.00	0.04	0.96
688	0.05	0.22	0.0 232,235,0	0.21	6.17e-03	0.03229,229,229	0.35	229	0.85	0.06	0.94
	0.0	0.02	0.0 0,52,0	0.21	4.41e-03	4.41e-03 229,19,19			0.0	0.0	0.0
689	0.02	0.22	0.0 232,235,0	0.21	8.13e-03	0.03229,18,229	0.35	229	0.85	0.06	0.94
	0.01	0.01	0.0 207,52,0	0.21	6.83e-03	6.83e-03 229,18,18			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.18	0.22	0.0	0.21	0.02	0.03	0.35

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
19	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.95	kN 8.8	177	0.67	kN -6.1	175	0.17	kN -423.2	kN m -5.336e+04	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
682	0.03	0.03	0.0 209,210,0		0.02	0.03	0.03 209,19,15		0.12	209	0.85	0.06	0.94
	9.79e-03	7.81e-03	0.0 230,229,0		0.02	1.74e-03	1.74e-03209,219,219				1.00	0.04	0.96
683	0.04	0.04	0.0 204,207,0		0.02	0.03	0.04 209,19,15		0.12	209	0.85	0.06	0.94
	0.02	0.01	0.0 220,223,0		0.02	3.47e-03	3.47e-03 209,18,18				1.00	0.04	0.96
684	0.04	0.04	0.0 210,209,0		0.02	0.03	0.04 209,18,18		0.12	209	0.85	0.06	0.94
	0.01	0.01	0.0 230,229,0		0.02	3.25e-03	3.25e-03 209,18,18				1.00	0.04	0.96
685	0.04	0.04	0.0 210,209,0		0.02	0.03	0.03 209,18,18		0.12	209	0.85	0.06	0.94
	0.01	0.01	0.0 204,207,0		0.02	1.26e-03	1.26e-03209,214,214				1.00	0.04	0.96
686	0.08	0.07	0.0 204,210,0		0.08	0.02	0.04 204,19,15		0.22	204	0.85	0.06	0.94
	0.02	0.01	0.0 220,223,0		0.08	3.91e-03	3.91e-03 204,15,15				1.00	0.04	0.96
690	0.08	0.08	0.0 210,209,0		0.08	0.02	0.04 204,18,18		0.21	204	0.85	0.06	0.94
	0.01	0.01	0.0 230,229,0		0.08	3.55e-03	3.55e-03 204,18,18				1.00	0.04	0.96
691	0.08	0.07	0.0 204,210,0		0.08	0.01	0.03 204,18,15		0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0 204,207,0		0.08	3.91e-03	3.91e-03 204,15,15				1.00	0.04	0.96
692	0.08	0.08	0.0 210,209,0		0.08	0.01	0.03 204,19,16		0.21	204	0.85	0.06	0.94
	0.01	8.72e-03	0.0 210,209,0		0.08	3.55e-03	3.55e-03 204,18,18				1.00	0.04	0.96
697	0.07	0.06	0.0 22,15,0		0.08	6.44e-03	0.03 204,19,15		0.22	204	0.85	0.06	0.94

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2607 DI 2790

	0.01	0.01	0.0 210,209,0	0.08	7.03e-03	7.03e-03 204,19,19			1.00	0.04	0.96
698	0.07	0.06	0.0 22,15,0	0.08	6.35e-03	0.03 204,19,15	0.21	204	0.85	0.06	0.94
	0.01	0.01	0.0 204,207,0	0.08	6.65e-03	6.65e-03 204,18,18			1.00	0.04	0.96
699	0.07	0.06	0.0 22,15,0	0.08	0.02	0.04 204,19,15	0.22	204	0.85	0.06	0.94
	0.02	0.02	0.0 230,229,0	0.08	7.03e-03	7.03e-03 204,19,19			1.00	0.04	0.96
700	0.07	0.06	0.0 22,15,0	0.08	0.02	0.04 207,18,15	0.21	207	0.85	0.06	0.94
	0.02	0.01	0.0 228,231,0	0.08	6.65e-03	6.65e-03 207,18,18			1.00	0.04	0.96
703	0.06	0.05	0.0 22,15,0	9.23e-03	0.02	0.04 207,19,15	0.07	207	0.85	0.06	0.94
	0.02	0.02	0.0 230,229,0	9.22e-03	5.87e-03	5.87e-03 207,19,19			1.00	0.04	0.96
704	0.06	0.05	0.0 22,15,0	9.88e-03	0.02	0.04 207,18,15	0.08	207	0.85	0.06	0.94
	0.02	0.01	0.0 228,231,0	9.88e-03	5.58e-03	5.58e-03 207,18,18			1.00	0.04	0.96
705	0.03	0.03	0.0 22,15,0	0.01	0.02	0.04 207,20,15	0.08	207	0.85	0.06	0.94
	6.46e-03	8.79e-03	0.0 220,223,0	0.01	2.97e-03	2.97e-03 207,18,18			1.00	0.04	0.96
706	0.03	0.03	0.0 22,15,0	0.01	0.02	0.03 207,18,15	0.08	207	0.85	0.06	0.94
	6.79e-03	8.60e-03	0.0 230,229,0	0.01	2.93e-03	2.93e-03 207,18,18			1.00	0.04	0.96
707	0.01	9.02e-03	0.0 22,15,0	0.01	0.02	0.02 207,19,15	0.08	207	0.85	0.06	0.94
	3.85e-03	4.61e-03	0.0 19,18,0	0.01	1.76e-03	1.76e-03 207,19,19			1.00	0.04	0.96
708	0.01	9.02e-03	0.0 22,15,0	0.01	0.02	0.02 207,19,15	0.08	207	0.85	0.06	0.94
	4.78e-03	4.61e-03	0.0 235,18,0	0.01	1.76e-03	1.76e-03 207,19,19			1.00	0.04	0.96
711	0.01	8.96e-03	0.0 22,15,0	0.01	0.02	0.02 207,18,15	0.08	207	0.85	0.06	0.94
	4.78e-03	4.47e-03	0.0 235,232,0	0.01	1.09e-03	1.09e-03 207,214,214			1.00	0.04	0.96
5377	0.03	0.03	0.0 22,15,0	0.01	0.02	0.04 207,20,15	0.08	207	0.85	0.06	0.94
	6.79e-03	8.79e-03	0.0 230,223,0	0.01	2.97e-03	2.97e-03 207,18,18			1.00	0.04	0.96
5378	0.06	0.05	0.0 22,15,0	9.88e-03	0.02	0.04 207,19,15	0.08	207	0.85	0.06	0.94
	0.02	0.02	0.0 228,229,0	9.88e-03	5.87e-03	5.87e-03 207,19,19			1.00	0.04	0.96
5379	0.07	0.06	0.0 22,15,0	0.08	0.02	0.04 204,19,15	0.22	204	0.85	0.06	0.94
	0.02	0.02	0.0 228,229,0	0.08	7.03e-03	7.03e-03 204,19,19			1.00	0.04	0.96
5380	0.07	0.06	0.0 22,15,0	0.08	6.44e-03	0.03 204,19,15	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0 204,207,0	0.08	7.03e-03	7.03e-03 204,19,19			1.00	0.04	0.96
5381	0.08	0.08	0.0 210,209,0	0.08	0.01	0.03 204,19,15	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0 204,207,0	0.08	3.91e-03	3.91e-03 204,15,15			1.00	0.04	0.96
5382	0.08	0.08	0.0 210,209,0	0.08	0.02	0.04 204,19,15	0.22	204	0.85	0.06	0.94
	0.02	0.01	0.0 220,223,0	0.08	3.91e-03	3.91e-03 204,15,15			1.00	0.04	0.96
5383	0.04	0.04	0.0 210,209,0	0.02	0.03	0.04 209,19,15	0.12	209	0.85	0.06	0.94
	0.02	0.01	0.0 220,223,0	0.02	3.47e-03	3.47e-03 209,18,18			1.00	0.04	0.96
5384	0.04	0.04	0.0 210,209,0	0.02	0.03	0.03 209,19,15	0.12	209	0.85	0.06	0.94
	0.01	0.01	0.0 204,207,0	0.02	1.74e-03	1.74e-03 209,219,219			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.08	0.08	0.0	0.08	0.03	0.04	0.22				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
20	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.33	-80.5	194	0.25	-61.1	194	0.40	-2283.0	-1.471e+06	226

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
693	0.01	9.20e-03	0.0	210,209,0	0.05	5.34e-03	6.83e-03	225,209,209	0.18	225	0.87	0.06	0.94
	0.03	0.03	0.0	229,230,0	0.05	4.30e-03	4.30e-03	225,220,220					
694	0.01	0.01	0.0	210,209,0	0.05	3.39e-03	6.83e-03	225,209,209	0.18	225	0.87	0.06	0.94
	0.03	0.03	0.0	229,230,0	0.05	4.30e-03	4.30e-03	225,220,220					
695	0.01	0.01	0.0	210,209,0	0.05	1.55e-03	6.12e-03	225,209,209	0.17	225	0.87	0.06	0.94
	0.02	0.01	0.0	222,210,0	0.05	4.14e-03	4.14e-03	225,223,223					
696	0.01	0.01	0.0	210,209,0	0.05	1.76e-03	6.37e-03	225,209,209	0.17	225	0.87	0.06	0.94
	0.02	0.01	0.0	222,221,0	0.05	4.14e-03	4.14e-03	225,223,223					
701	0.03	0.03	0.0	225,226,0	0.05	4.83e-03	6.04e-03	225,209,209	0.17	225	0.87	0.06	0.94
	0.05	0.03	0.0	225,226,0	0.05	5.75e-03	5.75e-03	225,207,207					
702	0.03	0.02	0.0	221,226,0	0.05	2.62e-03	5.58e-03	225,209,210	0.17	225	0.87	0.06	0.94
	0.04	0.03	0.0	225,226,0	0.05	5.75e-03	5.75e-03	225,207,207					
709	0.02	0.02	0.0	205,222,0	0.05	2.47e-03	5.58e-03	225,210,210	0.16	225	0.87	0.06	0.94
	0.03	0.02	0.0	220,223,0	0.05	6.27e-03	6.27e-03	225,223,223					
710	0.01	0.01	0.0	205,206,0	0.04	1.72e-03	5.53e-03	225,204,209	0.16	225	0.87	0.06	0.94
	0.03	0.02	0.0	220,223,0	0.04	7.72e-03	7.72e-03	225,220,220					
1619	6.30e-03	0.01	0.0	210,57,0	0.04	5.47e-03	7.12e-03	225,209,209	0.16	225	0.87	0.06	0.94
	0.03	0.02	0.0	226,225,0	0.04	2.53e-03	2.53e-03	225,207,207					
1620	1.03e-03	0.01	0.0	209,57,0	0.03	5.47e-03	7.12e-03	225,209,209	0.14	225	0.87	0.06	0.94
	0.03	0.01	0.0	226,225,0	0.03	1.97e-03	1.97e-03	225,59,59					

1622	9.59e-03	0.01	0.0	210,57,0	0.04	3.23e-03	6.10e-03	03225,209,210	0.16	225	0.87	0.06	0.94
	0.03	0.02	0.0	218,225,0	0.04	7.72e-03	7.72e-03	03225,220,220			1.00	0.04	0.96
1624	7.14e-03	0.01	0.0	234,57,0	0.04	4.76e-03	6.10e-03	03225,209,210	0.15	225	0.87	0.06	0.94
	0.05	0.02	0.0	226,225,0	0.04	4.41e-03	4.41e-03	03225,204,204			1.00	0.04	0.96
1630	7.14e-03	0.01	0.0	234,57,0	0.03	4.76e-03	6.02e-03	03225,209,210	0.13	225	0.87	0.06	0.94
	0.05	0.02	0.0	226,225,0	0.03	3.71e-03	3.71e-03	03225,234,234			1.00	0.04	0.96
1632	0.01	0.02	0.0	209,57,0	0.03	0.01	0.01226,224,224		0.14	226	0.87	0.06	0.94
	0.05	0.03	0.0	226,225,0	0.03	0.01	0.01226,220,220				1.00	0.04	0.96
1636	0.01	0.02	0.0	226,57,0	0.03	0.01	0.01226,224,224		0.14	226	0.87	0.06	0.94
	0.06	0.03	0.0	226,225,0	0.03	0.01	0.01226,220,220				1.00	0.04	0.96
1638	0.01	0.02	0.0	226,57,0	0.02	0.01	0.01226,226,214		0.11	226	0.87	0.06	0.94
	0.06	0.03	0.0	226,225,0	0.02	8.14e-03	8.14e-03	03226,59,59			1.00	0.04	0.96
1740	0.04	0.04	0.0	225,226,0	0.05	0.01	0.02226,226,226		0.17	226	0.87	0.06	0.94
	0.07	0.04	0.0	225,226,0	0.05	0.01	0.01226,210,210				1.00	0.04	0.96
1741	0.03	0.03	0.0	209,226,0	0.05	0.01	0.02226,226,226		0.17	226	0.87	0.06	0.94
	0.05	0.04	0.0	225,226,0	0.05	0.01	0.01226,210,210				1.00	0.04	0.96
1743	0.02	0.02	0.0	205,206,0	0.04	2.47e-03	5.58e-03	03226,210,210	0.15	226	0.87	0.06	0.94
	0.04	0.03	0.0	220,223,0	0.04	0.01	0.01226,223,223				1.00	0.04	0.96
1745	0.02	0.02	0.0	205,57,0	0.03	2.16e-03	4.72e-03	03226,59,209	0.14	226	0.87	0.06	0.94
	0.04	0.03	0.0	220,223,0	0.03	7.97e-03	7.97e-03	03226,207,207			1.00	0.04	0.96
1750	0.01	0.02	0.0	210,209,0	0.05	3.82e-03	7.78e-03	03225,209,209	0.16	225	0.87	0.06	0.94
	0.02	0.01	0.0	222,221,0	0.05	1.93e-03	1.93e-03	03225,223,223			1.00	0.04	0.96
1751	6.52e-03	0.01	0.0	210,57,0	0.04	5.94e-03	7.78e-03	03225,209,209	0.16	225	0.87	0.06	0.94
	0.02	0.01	0.0	222,221,0	0.04	1.51e-03	1.51e-03	03225,207,207			1.00	0.04	0.96
1753	0.0	0.01	0.0	0,57,0	0.03	5.94e-03	7.67e-03	03225,209,209	0.14	225	0.0	0.0	0.0
	0.02	5.12e-03	0.0	226,225,0	0.03	9.63e-04	9.63e-04	03225,11,11			1.00	0.04	0.96
1754	0.01	0.01	0.0	210,209,0	0.05	3.46e-03	6.99e-03	03225,209,209	0.16	225	0.87	0.06	0.94
	0.03	0.02	0.0	226,225,0	0.05	3.91e-03	3.91e-03	03225,220,220			1.00	0.04	0.96
2127	0.04	0.04	0.0	225,226,0	1.29e-03	8.35e-03	0.02222,220,226		0.03	222	0.87	0.06	0.94
	0.07	0.04	0.0	225,226,0	1.28e-03	0.01	0.01222,210,210				1.00	0.04	0.96
3579	0.04	0.02	0.0	209,210,0	0.02	0.01	0.01229,204,220		0.10	229	0.87	0.06	0.94
	0.03	0.02	0.0	18,19,0	0.02	0.02	0.02229,209,209				1.00	0.04	0.96
3596	0.04	0.02	0.0	209,210,0	0.02	0.01	0.01229,204,220		0.10	229	0.87	0.06	0.94
	0.03	0.02	0.0	18,19,0	0.02	0.02	0.02229,209,209				1.00	0.04	0.96
3599	0.02	0.03	0.0	226,225,0	0.02	7.98e-03	0.01229,204,204		0.10	229	0.87	0.06	0.94
	0.02	0.02	0.0	204,18,0	0.02	3.49e-03	3.49e-03	03229,18,18			1.00	0.04	0.96
3602	0.02	0.05	0.0	226,225,0	0.02	8.00e-03	0.0152,204,204		0.10	52	0.87	0.06	0.94
	0.02	8.18e-03	0.0	204,19,0	0.02	3.02e-03	3.02e-03	03218,18,18			1.00	0.04	0.96
3633	0.02	0.05	0.0	226,225,0	0.02	8.00e-03	0.01220,204,204		0.10	220	0.87	0.06	0.94
	0.01	6.04e-03	0.0	204,207,0	0.02	1.87e-03	1.87e-03	03220,18,18			1.00	0.04	0.96
3636	0.02	0.05	0.0	226,225,0	0.02	7.59e-03	0.01224,204,204		0.11	224	0.87	0.06	0.94
	0.01	5.73e-03	0.0	209,210,0	0.02	1.63e-03	1.63e-03	03224,204,204			1.00	0.04	0.96
3639	6.01e-03	0.03	0.0	226,225,0	0.02	7.34e-03	0.01225,204,204		0.12	225	0.87	0.06	0.94
	0.02	9.62e-03	0.0	209,210,0	0.02	2.56e-03	2.56e-03	03225,204,204			1.00	0.04	0.96
3642	0.0	0.03	0.0	0,59,0	0.03	6.29e-03	9.62e-03	03225,207,204	0.13	225	0.0	0.0	0.0
	0.02	0.01	0.0	204,207,0	0.03	2.56e-03	2.56e-03	03225,204,204			1.00	0.04	0.96
3645	1.53e-03	0.03	0.0	206,59,0	0.04	6.10e-03	8.91e-03	03225,210,209	0.15	225	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	0.04	3.14e-03	3.14e-03	03225,204,204			1.00	0.04	0.96
3648	3.62e-03	0.02	0.0	206,59,0	0.04	6.23e-03	9.12e-03	03225,210,209	0.16	225	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	0.04	3.14e-03	3.14e-03	03225,204,204			1.00	0.04	0.96
3651	7.26e-03	0.02	0.0	210,59,0	0.05	6.23e-03	9.12e-03	03225,210,209	0.17	225	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	0.05	8.67e-04	8.67e-04	03225,204,204			1.00	0.04	0.96
3674	7.26e-03	0.01	0.0	210,57,0	0.05	5.83e-03	8.31e-03	03225,210,209	0.17	225	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.05	1.77e-03	1.77e-03	03225,226,226			1.00	0.04	0.96
3677	9.39e-03	8.34e-03	0.0	206,57,0	0.05	5.34e-03	6.75e-03	03225,209,209	0.17	225	0.87	0.06	0.94
	0.03	0.02	0.0	221,222,0	0.05	3.14e-03	3.14e-03	03225,224,224			1.00	0.04	0.96
3680	0.03	0.03	0.0	225,226,0	0.05	4.83e-03	6.04e-03	03226,209,209	0.16	226	0.87	0.06	0.94
	0.05	0.03	0.0	225,226,0	0.05	5.64e-03	5.64e-03	03226,224,224			1.00	0.04	0.96
3683	0.04	0.04	0.0	225,226,0	0.05	8.35e-03	0.02226,220,226		0.16	226	0.87	0.06	0.94
	0.07	0.04	0.0	225,226,0	0.05	0.01	0.01226,210,210				1.00	0.04	0.96
3944	0.04	0.04	0.0	225,226,0	7.52e-03	0.01	0.02226,226,226		0.07	226	0.87	0.06	0.94
	0.07	0.04	0.0	225,226,0	7.48e-03	0.01	0.01226,210,210				1.00	0.04	0.96
3945	0.03	0.03	0.0	209,226,0	7.52e-03	0.01	0.02226,226,226		0.07	226	0.87	0.06	0.94
	0.05	0.04	0.0	225,226,0	7.48e-03	0.01	0.01226,210,210				1.00	0.04	0.96
3946	0.02	0.02	0.0	205,206,0	7.66e-03	2.20e-03	5.16e-03	03226,207,210	0.07	226	0.87	0.06	0.94
	0.04	0.03	0.0	220,223,0	7.66e-03	0.01	0.01226,223,223				1.00	0.04	0.96
3947	0.02	0.02	0.0	205,57,0	7.66e-03	2.16e-03	4.43e-03	03226,59,59	0.07	226	0.87	0.06	0.94
	0.04	0.03	0.0	220,223,0	7.66e-03	7.97e-03	7.97e-03	03226,207,207			1.00	0.04	0.96
3981	0.01	0.02	0.0	209,57,0	8.97e-03	0.01	0.01226,224,224		0.07	226	0.87	0.06	0.94
	0.05	0.03	0.0	226,225,0	8.96e-03	0.01	0.01226,220,220				1.00	0.04	0.96
3982	0.01	0.02	0.0	226,57,0	8.97e-03	0.01	0.01226,224,224		0.07	226	0.87	0.06	0.94
	0.06	0.03	0.0	226,225,0	8.96e-03	0.01	0.01226,220,220				1.00	0.04	0.96
3983	0.01	0.02	0.0	226,57,0	1.34e-03	0.01	0.01226,226,214		0.03	226	0.87	0.06	0.94
	0.06	0.03	0.0	226,225,0	1.32e-03	8.14e-03	8.14e-03	03226,59,59			1.00	0.04	0.96
5290	0.04	0.03	0.0	209,210,0	0.02	0.01	0.01229,204,204		0.10	229	0.87	0.06	0.94

	0.07	0.06	0.0	19,19,0	0.02	0.02	0.02229,209,209			1.00	0.04	0.96
5291	0.04	0.03	0.0	209,210,0	0.01	0.01	0.01229,204,224	0.09	229	0.87	0.06	0.94
	0.10	0.08	0.0	20,19,0	0.01	0.02	0.02229,209,209			1.00	0.04	0.96
5292	0.06	0.04	0.0	209,210,0	0.01	0.02	0.02229,204,207	0.09	229	0.87	0.06	0.94
	0.12	0.09	0.0	18,18,0	0.01	0.02	0.02229,18,18			1.00	0.04	0.96
5293	0.06	0.04	0.0	209,210,0	0.01	0.02	0.02229,204,207	0.08	229	0.87	0.06	0.94
	0.12	0.09	0.0	18,18,0	0.01	0.03	0.03229,220,220			1.00	0.04	0.96
5300	0.06	0.04	0.0	209,210,0	0.01	0.01	0.02229,204,207	0.08	229	0.87	0.06	0.94
	0.11	0.09	0.0	18,18,0	0.01	0.03	0.03229,220,220			1.00	0.04	0.96
5301	0.03	0.02	0.0	209,210,0	9.57e-03	0.01	0.02229,204,220	0.08	229	0.87	0.06	0.94
	0.08	0.06	0.0	18,16,0	9.56e-03	0.01	0.01229,22,22			1.00	0.04	0.96
5302	0.01	0.01	0.0	209,210,0	8.23e-03	7.26e-03	8.81e-03229,204,207	0.07	229	0.87	0.06	0.94
	0.01	0.01	0.0	17,16,0	8.23e-03	3.00e-03	3.00e-03229,217,217			1.00	0.04	0.96
5303	0.04	0.03	0.0	209,210,0	0.02	0.01	0.01229,204,204	0.10	229	0.87	0.06	0.94
	0.07	0.06	0.0	19,19,0	0.02	0.02	0.02229,209,209			1.00	0.04	0.96
5304	0.04	0.03	0.0	209,210,0	0.02	0.01	0.01229,204,224	0.10	229	0.87	0.06	0.94
	0.10	0.08	0.0	20,19,0	0.02	0.02	0.02229,209,209			1.00	0.04	0.96
5305	0.06	0.04	0.0	209,210,0	0.02	0.02	0.02229,204,207	0.10	229	0.87	0.06	0.94
	0.12	0.09	0.0	18,18,0	0.02	0.02	0.02229,18,18			1.00	0.04	0.96
5306	0.06	0.04	0.0	209,210,0	0.02	0.02	0.02229,204,207	0.10	229	0.87	0.06	0.94
	0.12	0.09	0.0	18,18,0	0.02	0.03	0.03229,220,220			1.00	0.04	0.96
5307	0.02	0.03	0.0	220,225,0	0.02	7.98e-03	0.01229,204,204	0.10	229	0.87	0.06	0.94
	0.05	0.04	0.0	18,18,0	0.02	8.50e-03	8.50e-03229,19,19			1.00	0.04	0.96
5308	0.02	0.03	0.0	204,223,0	0.02	8.40e-03	0.01229,204,207	0.10	229	0.87	0.06	0.94
	0.07	0.05	0.0	20,19,0	0.02	0.01	0.01229,18,18			1.00	0.04	0.96
5309	0.03	0.03	0.0	204,223,0	0.02	8.40e-03	0.01229,204,207	0.10	229	0.87	0.06	0.94
	0.07	0.06	0.0	19,19,0	0.02	0.01	0.01229,18,18			1.00	0.04	0.96
5310	0.03	0.03	0.0	204,223,0	0.02	2.84e-03	9.61e-03229,204,207	0.10	229	0.87	0.06	0.94
	0.07	0.06	0.0	19,19,0	0.02	0.01	0.01229,18,18			1.00	0.04	0.96
5311	0.02	0.05	0.0	226,225,0	0.02	8.00e-03	0.0152,204,204	0.10	52	0.87	0.06	0.94
	0.03	0.02	0.0	18,16,0	0.02	7.50e-03	7.50e-0352,18,18			1.00	0.04	0.96
5312	0.02	0.04	0.0	220,225,0	0.02	5.40e-03	0.01209,204,204	0.10	209	0.87	0.06	0.94
	0.03	0.03	0.0	19,19,0	0.02	9.50e-03	9.50e-03209,18,18			1.00	0.04	0.96
5313	0.02	0.04	0.0	220,225,0	0.01	3.14e-03	0.01209,204,204	0.09	209	0.87	0.06	0.94
	0.04	0.03	0.0	19,19,0	0.01	9.99e-03	9.99e-03209,19,19			1.00	0.04	0.96
5314	0.02	0.03	0.0	220,223,0	0.01	2.46e-03	9.87e-03209,207,204	0.09	209	0.87	0.06	0.94
	0.04	0.03	0.0	19,19,0	0.01	9.99e-03	9.99e-03209,19,19			1.00	0.04	0.96
5315	0.06	0.04	0.0	209,210,0	0.02	0.01	0.02229,204,207	0.10	229	0.87	0.06	0.94
	0.11	0.09	0.0	18,18,0	0.02	0.03	0.03229,220,220			1.00	0.04	0.96
5316	0.03	0.02	0.0	209,210,0	0.02	0.01	0.02229,204,220	0.10	229	0.87	0.06	0.94
	0.08	0.06	0.0	18,16,0	0.02	0.01	0.01229,22,22			1.00	0.04	0.96
5317	0.01	0.01	0.0	209,210,0	0.01	0.01	0.01229,204,204	0.09	229	0.87	0.06	0.94
	0.02	0.01	0.0	18,19,0	0.01	3.20e-03	3.20e-03229,220,220			1.00	0.04	0.96
5318	0.03	0.02	0.0	204,223,0	0.02	8.26e-03	0.01229,204,207	0.10	229	0.87	0.06	0.94
	0.06	0.05	0.0	19,19,0	0.02	0.01	0.01229,18,18			1.00	0.04	0.96
5319	0.02	0.02	0.0	204,223,0	0.02	0.01	0.01229,204,204	0.10	229	0.87	0.06	0.94
	0.05	0.04	0.0	15,19,0	0.02	0.01	0.01229,18,18			1.00	0.04	0.96
5320	6.79e-03	0.01	0.0	204,59,0	0.01	0.01	0.01229,204,204	0.09	229	0.87	0.06	0.94
	0.02	0.01	0.0	229,19,0	0.01	3.20e-03	3.20e-03229,220,220			1.00	0.04	0.96
5321	0.02	0.03	0.0	220,223,0	0.01	5.55e-03	0.01209,204,204	0.09	209	0.87	0.06	0.94
	0.03	0.03	0.0	44,19,0	0.01	9.18e-03	9.18e-03209,19,19			1.00	0.04	0.96
5322	0.01	0.02	0.0	220,223,0	0.01	9.56e-03	0.01209,204,204	0.09	209	0.87	0.06	0.94
	0.02	0.02	0.0	19,19,0	0.01	7.03e-03	7.03e-03209,18,18			1.00	0.04	0.96
5323	3.29e-03	0.02	0.0	220,59,0	0.01	9.56e-03	0.01209,204,204	0.09	209	0.87	0.06	0.94
	0.02	5.66e-03	0.0	229,230,0	0.01	2.23e-03	2.23e-03209,18,18			1.00	0.04	0.96
5324	0.02	0.05	0.0	226,225,0	0.02	8.00e-03	0.01220,204,204	0.10	220	0.87	0.06	0.94
	0.02	0.01	0.0	209,19,0	0.02	5.05e-03	5.05e-03220,18,18			1.00	0.04	0.96
5325	0.02	0.04	0.0	226,225,0	0.02	5.12e-03	0.01220,204,204	0.09	220	0.87	0.06	0.94
	0.02	0.01	0.0	44,19,0	0.02	6.36e-03	6.36e-03220,18,18			1.00	0.04	0.96
5326	0.02	0.04	0.0	220,225,0	0.01	2.12e-03	0.01220,207,204	0.09	220	0.87	0.06	0.94
	0.02	0.02	0.0	44,19,0	0.01	6.58e-03	6.58e-03220,19,19			1.00	0.04	0.96
5327	0.02	0.03	0.0	220,209,0	0.01	2.63e-03	9.87e-03220,204,204	0.09	220	0.87	0.06	0.94
	0.02	0.02	0.0	44,19,0	0.01	6.58e-03	6.58e-03220,19,19			1.00	0.04	0.96
5328	0.02	0.05	0.0	226,225,0	0.02	7.59e-03	0.01224,204,204	0.11	224	0.87	0.06	0.94
	0.01	8.98e-03	0.0	209,206,0	0.02	2.91e-03	2.91e-03224,18,18			1.00	0.04	0.96
5329	0.02	0.04	0.0	210,225,0	0.02	4.80e-03	0.01224,204,204	0.11	224	0.87	0.06	0.94
	0.01	8.98e-03	0.0	209,206,0	0.02	3.76e-03	3.76e-03224,19,19			1.00	0.04	0.96
5330	0.02	0.04	0.0	210,209,0	0.02	2.09e-03	9.96e-03224,207,204	0.11	224	0.87	0.06	0.94
	0.01	7.06e-03	0.0	233,206,0	0.02	3.94e-03	3.94e-03224,19,19			1.00	0.04	0.96
5331	0.02	0.03	0.0	210,209,0	0.02	2.63e-03	9.74e-03224,204,204	0.10	224	0.87	0.06	0.94
	0.01	5.93e-03	0.0	44,18,0	0.02	3.94e-03	3.94e-03224,19,19			1.00	0.04	0.96
5332	0.01	0.03	0.0	210,225,0	0.02	7.34e-03	0.01225,204,204	0.12	225	0.87	0.06	0.94
	0.02	0.01	0.0	205,206,0	0.02	2.56e-03	2.56e-03225,204,204			1.00	0.04	0.96
5333	0.01	0.03	0.0	210,209,0	0.02	4.46e-03	0.01225,207,204	0.12	225	0.87	0.06	0.94
	0.02	0.01	0.0	205,206,0	0.02	1.92e-03	1.92e-03225,19,19			1.00	0.04	0.96

5334	0.01	0.03	0.0	210,209,0	0.02	2.15e-03	9.46e-03	225,211,204	0.12	225	0.87	0.06	0.94
	0.01	7.97e-03	0.0	205,206,0	0.02	2.03e-03	2.03e-03	225,19,19			1.00	0.04	0.96
5335	0.01	0.03	0.0	210,209,0	0.02	2.52e-03	9.26e-03	226,207,204	0.11	226	0.87	0.06	0.94
	7.59e-03	7.88e-03	0.0	205,18,0	0.02	2.03e-03	2.03e-03	226,19,19			1.00	0.04	0.96
5336	5.34e-03	0.03	0.0	210,59,0	0.03	6.29e-03	9.97e-03	225,207,204	0.13	225	0.87	0.06	0.94
	0.02	0.01	0.0	204,210,0	0.03	2.56e-03	2.56e-03	225,204,204			1.00	0.04	0.96
5337	8.92e-03	0.03	0.0	210,59,0	0.03	4.42e-03	9.97e-03	225,207,204	0.13	225	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	0.03	9.48e-04	9.48e-04	225,204,204			1.00	0.04	0.96
5338	0.01	0.03	0.0	207,209,0	0.03	2.19e-03	8.85e-03	225,206,208	0.13	225	0.87	0.06	0.94
	0.01	8.96e-03	0.0	205,206,0	0.03	9.27e-04	9.27e-04	225,209,209			1.00	0.04	0.96
5339	0.01	0.03	0.0	207,204,0	0.03	2.44e-03	8.78e-03	225,207,204	0.13	225	0.87	0.06	0.94
	9.26e-03	8.06e-03	0.0	204,18,0	0.03	9.43e-04	9.43e-04	225,209,209			1.00	0.04	0.96
5340	7.95e-03	0.03	0.0	210,59,0	0.04	6.10e-03	9.18e-03	225,210,209	0.16	225	0.87	0.06	0.94
	0.02	0.01	0.0	205,206,0	0.04	3.14e-03	3.14e-03	225,204,204			1.00	0.04	0.96
5341	0.01	0.03	0.0	210,59,0	0.04	4.06e-03	9.18e-03	225,210,209	0.16	225	0.87	0.06	0.94
	0.02	0.01	0.0	205,206,0	0.04	7.91e-04	7.91e-04	225,209,209			1.00	0.04	0.96
5342	0.01	0.03	0.0	210,59,0	0.04	2.19e-03	8.28e-03	225,206,209	0.15	225	0.87	0.06	0.94
	0.01	0.01	0.0	205,206,0	0.04	9.44e-04	9.44e-04	225,209,209			1.00	0.04	0.96
5343	0.01	0.02	0.0	210,209,0	0.04	2.22e-03	7.92e-03	225,210,209	0.15	225	0.87	0.06	0.94
	0.01	8.98e-03	0.0	209,210,0	0.04	9.44e-04	9.44e-04	225,209,209			1.00	0.04	0.96
5344	9.72e-03	0.02	0.0	210,209,0	0.05	6.23e-03	9.18e-03	225,210,209	0.17	225	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.05	3.14e-03	3.14e-03	225,204,204			1.00	0.04	0.96
5345	0.01	0.02	0.0	210,209,0	0.05	4.06e-03	9.18e-03	225,210,209	0.17	225	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.05	9.05e-04	9.05e-04	225,210,210			1.00	0.04	0.96
5346	0.01	0.02	0.0	210,209,0	0.05	2.03e-03	8.28e-03	225,209,209	0.16	225	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	0.05	9.44e-04	9.44e-04	225,209,209			1.00	0.04	0.96
5347	0.01	0.02	0.0	210,209,0	0.04	2.22e-03	7.92e-03	225,210,209	0.16	225	0.87	0.06	0.94
	0.01	0.01	0.0	209,210,0	0.04	9.44e-04	9.44e-04	225,209,209			1.00	0.04	0.96
5348	0.01	0.02	0.0	210,209,0	0.05	6.23e-03	9.12e-03	225,210,209	0.18	225	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.05	1.70e-03	1.70e-03	225,220,220			1.00	0.04	0.96
5349	0.01	0.02	0.0	210,209,0	0.05	3.86e-03	8.97e-03	225,210,209	0.18	225	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.05	1.84e-03	1.84e-03	225,220,220			1.00	0.04	0.96
5350	0.01	0.02	0.0	210,209,0	0.05	1.86e-03	8.07e-03	225,209,209	0.17	225	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	0.05	1.84e-03	1.84e-03	225,220,220			1.00	0.04	0.96
5351	0.01	0.02	0.0	210,209,0	0.05	2.09e-03	7.80e-03	225,210,209	0.17	225	0.87	0.06	0.94
	0.01	0.01	0.0	209,210,0	0.05	1.44e-03	1.44e-03	225,223,223			1.00	0.04	0.96
5352	0.02	0.03	0.0	220,223,0	0.01	5.01e-03	0.01	220,204,204	0.08	220	0.87	0.06	0.94
	0.02	0.01	0.0	44,19,0	0.01	5.84e-03	5.84e-03	220,19,19			1.00	0.04	0.96
5353	9.86e-03	0.02	0.0	220,223,0	0.01	7.86e-03	0.01	220,204,204	0.08	220	0.87	0.06	0.94
	0.03	8.55e-03	0.0	233,19,0	0.01	4.21e-03	4.21e-03	220,19,19			1.00	0.04	0.96
5354	2.12e-03	0.02	0.0	220,59,0	8.94e-03	7.86e-03	0.01	220,204,204	0.07	220	0.87	0.06	0.94
	0.03	3.89e-03	0.0	233,230,0	8.93e-03	1.16e-03	1.16e-03	220,19,19			1.00	0.04	0.96
5355	0.01	0.03	0.0	210,209,0	0.02	4.78e-03	1.00e-03	220,207,204	0.10	220	0.87	0.06	0.94
	0.01	5.09e-03	0.0	28,18,0	0.02	3.43e-03	3.43e-03	220,19,19			1.00	0.04	0.96
5356	8.05e-03	0.02	0.0	210,209,0	0.01	7.08e-03	1.00e-03	220,207,204	0.09	220	0.87	0.06	0.94
	0.03	3.62e-03	0.0	233,234,0	0.01	2.39e-03	2.39e-03	220,19,19			1.00	0.04	0.96
5357	1.03e-03	0.02	0.0	210,59,0	0.01	7.08e-03	9.47e-03	220,207,204	0.09	220	0.87	0.06	0.94
	0.03	3.62e-03	0.0	233,234,0	0.01	1.08e-03	1.08e-03	220,209,209			1.00	0.04	0.96
5358	0.01	0.03	0.0	210,209,0	0.02	4.59e-03	9.47e-03	226,207,204	0.11	226	0.87	0.06	0.94
	0.01	6.66e-03	0.0	208,16,0	0.02	1.75e-03	1.75e-03	226,19,19			1.00	0.04	0.96
5359	6.43e-03	0.02	0.0	210,59,0	0.02	6.88e-03	9.47e-03	226,207,204	0.10	226	0.87	0.06	0.94
	0.02	4.11e-03	0.0	209,211,0	0.02	1.81e-03	1.81e-03	226,204,204			1.00	0.04	0.96
5360	0.0	0.02	0.0	0,59,0	0.01	6.88e-03	9.08e-03	223,207,204	0.09	223	0.0	0.0	0.0
	0.02	2.40e-03	0.0	209,210,0	0.01	1.81e-03	1.81e-03	223,204,204			1.00	0.04	0.96
5361	9.60e-03	0.02	0.0	207,204,0	0.03	4.52e-03	9.12e-03	225,207,204	0.12	225	0.87	0.06	0.94
	0.01	6.84e-03	0.0	226,16,0	0.03	9.47e-04	9.47e-04	225,209,209			1.00	0.04	0.96
5362	5.77e-03	0.02	0.0	207,59,0	0.02	6.50e-03	9.12e-03	225,207,204	0.12	225	0.87	0.06	0.94
	0.03	5.79e-03	0.0	209,207,0	0.02	1.81e-03	1.81e-03	225,204,204			1.00	0.04	0.96
5363	1.74e-03	0.02	0.0	205,59,0	0.02	6.50e-03	8.51e-03	225,207,204	0.10	225	0.87	0.06	0.94
	0.03	5.47e-03	0.0	209,210,0	0.02	1.81e-03	1.81e-03	225,204,204			1.00	0.04	0.96
5364	0.01	0.02	0.0	210,204,0	0.04	4.21e-03	8.44e-03	225,210,210	0.15	225	0.87	0.06	0.94
	0.02	7.69e-03	0.0	226,210,0	0.04	8.25e-04	8.25e-04	225,209,209			1.00	0.04	0.96
5365	7.22e-03	0.02	0.0	205,59,0	0.04	6.31e-03	8.44e-03	225,210,210	0.15	225	0.87	0.06	0.94
	0.03	6.62e-03	0.0	209,225,0	0.04	1.14e-03	1.14e-03	225,209,209			1.00	0.04	0.96
5366	3.28e-03	0.01	0.0	209,57,0	0.03	6.31e-03	8.32e-03	225,210,210	0.14	225	0.87	0.06	0.94
	0.03	5.47e-03	0.0	209,210,0	0.03	1.14e-03	1.14e-03	225,209,209			1.00	0.04	0.96
5367	0.01	0.02	0.0	210,209,0	0.04	4.21e-03	8.44e-03	225,210,210	0.16	225	0.87	0.06	0.94
	0.02	8.70e-03	0.0	226,210,0	0.04	7.65e-04	7.65e-04	225,209,209			1.00	0.04	0.96
5368	7.22e-03	0.01	0.0	205,59,0	0.04	6.31e-03	8.44e-03	225,210,210	0.15	225	0.87	0.06	0.94
	0.02	8.42e-03	0.0	52,225,0	0.04	1.14e-03	1.14e-03	225,209,209			1.00	0.04	0.96
5369	3.28e-03	0.01	0.0	209,59,0	0.03	6.31e-03	8.32e-03	225,210,210	0.14	225	0.87	0.06	0.94
	0.02	0.0	0.0	52,0,0	0.03	1.14e-03	1.14e-03	225,209,209			1.00	0.04	0.96
5370	0.01	0.02	0.0	210,209,0	0.05	4.00e-03	8.30e-03	225,209,209	0.16	225	0.87	0.06	0.94
	0.02	0.01	0.0	226,225,0	0.05	1.02e-03	1.02e-03	225,223,223			1.00	0.04	0.96
5371	7.21e-03	0.01	0.0	210,59,0	0.04	6.28e-03	8.30e-03	225,209,209	0.16	225	0.87	0.06	0.94

	0.02	0.01	0.0 226,225,0	0.04	8.27e-04	8.27e-04225,207,207			1.00	0.04	0.96
5372	0.0	0.01	0.0 0,59,0	0.03	6.28e-03	8.20e-03225,209,209	0.14	225	0.0	0.0	0.0
	0.02	0.0	0.0 51,0,0	0.03	4.05e-04	4.05e-04225,221,221			1.00	0.04	0.96
5373	0.01	0.02	0.0 210,209,0	0.05	5.83e-03	8.31e-03225,210,209	0.18	225	0.87	0.06	0.94
	0.03	0.02	0.0 209,210,0	0.05	2.89e-03	2.89e-03225,220,220			1.00	0.04	0.96
5374	0.01	0.02	0.0 210,209,0	0.05	3.74e-03	8.26e-03225,209,209	0.18	225	0.87	0.06	0.94
	0.03	0.02	0.0 209,210,0	0.05	2.89e-03	2.89e-03225,220,220			1.00	0.04	0.96
5375	0.01	0.02	0.0 210,209,0	0.05	1.72e-03	7.35e-03225,209,209	0.17	225	0.87	0.06	0.94
	0.02	0.01	0.0 209,210,0	0.05	2.83e-03	2.83e-03225,223,223			1.00	0.04	0.96
5376	0.01	0.02	0.0 210,209,0	0.05	1.98e-03	7.23e-03225,210,209	0.17	225	0.87	0.06	0.94
	0.01	0.01	0.0 209,210,0	0.05	2.56e-03	2.56e-03225,223,223			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.12	0.09	0.0	0.05	0.03	0.03	0.18				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
21	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.28	70.0	191	0.20	49.6	191	0.39	-1.002e+04	2.201e+06	223

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2359	0.01	0.07	0.0 230,57,0	1.46e-03	0.01	0.02209,208,205	0.03	209	0.87	0.06	0.94		
	0.04	0.02	0.0 209,210,0	1.44e-03	3.63e-03	3.63e-03209,218,218			1.00	0.04	0.96		
2588	0.03	0.01	0.0 214,225,0	0.02	0.02	0.0252,213,213	0.10	52	0.87	0.06	0.94		
	0.03	0.02	0.0 44,46,0	0.02	0.03	0.0352,216,216			1.00	0.04	0.96		
3059	0.03	0.01	0.0 214,57,0	0.04	0.02	0.0252,213,213	0.16	52	0.87	0.06	0.94		
	0.03	0.02	0.0 44,46,0	0.04	0.03	0.0352,216,216			1.00	0.04	0.96		
3062	0.01	0.04	0.0 227,224,0	0.05	9.83e-03	0.0152,212,212	0.17	52	0.87	0.06	0.94		
	0.02	0.01	0.0 212,212,0	0.05	3.52e-03	3.52e-0352,216,216			1.00	0.04	0.96		
3065	0.01	0.06	0.0 227,59,0	0.05	9.83e-03	0.0252,212,212	0.17	52	0.87	0.06	0.94		
	0.02	6.26e-03	0.0 212,45,0	0.05	3.52e-03	3.52e-0352,216,216			1.00	0.04	0.96		
3088	6.77e-03	0.07	0.0 223,59,0	0.03	9.74e-03	0.0252,212,212	0.13	52	0.87	0.06	0.94		
	0.01	2.80e-03	0.0 212,45,0	0.03	1.79e-03	1.79e-0352,212,212			1.00	0.04	0.96		
3091	0.0	0.07	0.0 0,59,0	0.01	8.84e-03	0.01225,212,212	0.09	225	0.0	0.0	0.0		
	0.01	7.11e-04	0.0 51,46,0	0.01	1.15e-03	1.15e-03225,212,212			1.00	0.04	0.96		
3094	0.0	0.06	0.0 0,59,0	0.01	8.07e-03	0.01225,212,212	0.09	225	0.0	0.0	0.0		
	0.02	5.16e-03	0.0 217,218,0	0.01	2.47e-03	2.47e-03225,216,216			1.00	0.04	0.96		
3097	0.0	0.07	0.0 0,59,0	0.01	6.65e-03	0.01224,215,212	0.09	224	0.0	0.0	0.0		
	0.02	5.16e-03	0.0 217,218,0	0.01	2.47e-03	2.47e-03224,216,216			1.00	0.04	0.96		
3100	0.0	0.07	0.0 0,59,0	0.03	6.37e-03	0.01220,215,212	0.13	220	0.0	0.0	0.0		
	0.02	5.03e-03	0.0 217,218,0	0.03	2.26e-03	2.26e-03220,217,217			1.00	0.04	0.96		
3132	0.0	0.04	0.0 0,59,0	0.04	6.37e-03	9.73e-03220,215,212	0.15	220	0.0	0.0	0.0		
	0.02	5.07e-03	0.0 209,210,0	0.04	1.86e-03	1.86e-03220,218,218			1.00	0.04	0.96		
3135	0.01	0.03	0.0 223,59,0	0.05	6.28e-03	8.81e-03220,218,212	0.17	220	0.87	0.06	0.94		
	0.02	5.07e-03	0.0 209,210,0	0.05	1.86e-03	1.86e-03220,218,218			1.00	0.04	0.96		
3138	0.01	0.02	0.0 223,57,0	0.05	6.70e-03	8.72e-03220,204,218	0.17	220	0.87	0.06	0.94		
	0.03	4.68e-03	0.0 209,210,0	0.05	9.12e-04	9.12e-04220,217,217			1.00	0.04	0.96		
3141	9.33e-03	0.03	0.0 55,57,0	0.04	7.96e-03	0.01220,204,204	0.16	220	0.87	0.06	0.94		
	0.03	8.23e-03	0.0 209,210,0	0.04	5.28e-04	5.28e-04220,212,212			1.00	0.04	0.96		
3144	0.03	0.06	0.0 234,233,0	0.03	7.96e-03	0.01223,204,205	0.14	223	0.87	0.06	0.94		
	0.04	0.01	0.0 209,210,0	0.03	9.40e-04	9.40e-04223,229,229			1.00	0.04	0.96		
3147	0.03	0.07	0.0 234,57,0	0.03	0.01	0.02223,208,205	0.14	223	0.87	0.06	0.94		
	0.04	0.02	0.0 209,210,0	0.03	3.63e-03	3.63e-03223,218,218			1.00	0.04	0.96		
4176	0.01	0.09	0.0 230,57,0	0.01	0.01	0.02205,208,204	0.08	205	0.87	0.06	0.94		
	0.04	0.02	0.0 209,210,0	0.01	3.63e-03	3.63e-03205,218,218			1.00	0.04	0.96		
4177	0.02	0.10	0.0 210,57,0	0.01	8.80e-03	0.02205,204,204	0.08	205	0.87	0.06	0.94		
	0.03	0.01	0.0 209,210,0	0.01	3.00e-03	3.00e-03205,204,204			1.00	0.04	0.96		
4178	0.04	0.10	0.0 210,57,0	9.19e-03	0.01	0.03204,204,204	0.07	204	0.87	0.06	0.94		
	0.02	0.02	0.0 204,204,0	9.12e-03	0.02	0.02204,204,204			1.00	0.04	0.96		
4179	0.04	0.10	0.0 210,57,0	0.01	0.04	0.06204,204,204	0.08	204	0.87	0.06	0.94		
	0.02	0.02	0.0 204,204,0	0.01	0.02	0.02204,204,204			1.00	0.04	0.96		
4186	0.02	0.09	0.0 210,57,0	0.02	0.04	0.06204,204,204	0.10	204	0.87	0.06	0.94		
	0.03	0.05	0.0 207,204,0	0.02	0.02	0.02204,204,204			1.00	0.04	0.96		
4187	0.0	0.08	0.0 0,57,0	0.02	6.98e-03	0.01204,207,57	0.10	204	0.0	0.0	0.0		
	0.03	0.05	0.0 207,204,0	0.02	0.02	0.02204,204,204			1.00	0.04	0.96		
4188	0.0	0.06	0.0 0,57,0	2.54e-03	4.51e-03	0.01204,207,59	0.04	204	0.0	0.0	0.0		
	0.02	0.04	0.0 207,204,0	2.53e-03	2.86e-03	2.86e-03 204,57,57			1.00	0.04	0.96		

4384	0.03	0.02	0.0	214,213,0	0.02	0.02	0.0252,217,213	0.10	52	0.87	0.06	0.94
	0.08	0.06	0.0	46,46,0	0.02	0.03	0.0352,213,213			1.00	0.04	0.96
4385	0.04	0.03	0.0	218,217,0	0.02	0.02	0.0352,216,213	0.10	52	0.87	0.06	0.94
	0.11	0.09	0.0	46,46,0	0.02	0.03	0.0352,213,213			1.00	0.04	0.96
4386	0.07	0.07	0.0	214,213,0	0.02	0.03	0.0552,208,213	0.10	52	0.87	0.06	0.94
	0.12	0.10	0.0	46,46,0	0.02	0.03	0.0352,208,208			1.00	0.04	0.96
4387	0.07	0.07	0.0	214,213,0	0.02	0.03	0.0552,208,213	0.10	52	0.87	0.06	0.94
	0.12	0.10	0.0	46,46,0	0.02	0.04	0.0452,208,208			1.00	0.04	0.96
4397	0.06	0.06	0.0	214,213,0	0.02	0.03	0.0552,216,213	0.11	52	0.87	0.06	0.94
	0.11	0.09	0.0	46,46,0	0.02	0.04	0.0452,208,208			1.00	0.04	0.96
4398	0.03	0.03	0.0	214,213,0	0.02	0.02	0.0352,216,213	0.11	52	0.87	0.06	0.94
	0.08	0.07	0.0	46,46,0	0.02	0.01	0.01 52,46,46			1.00	0.04	0.96
4399	6.63e-03	0.02	0.0	214,57,0	0.02	8.73e-03	0.01220,212,216	0.10	220	0.87	0.06	0.94
	0.01	0.01	0.0	45,46,0	0.02	5.31e-03	5.31e-03220,217,217			1.00	0.04	0.96
4813	0.03	0.02	0.0	214,213,0	0.04	0.02	0.0252,217,213	0.16	52	0.87	0.06	0.94
	0.08	0.06	0.0	46,46,0	0.04	0.03	0.0352,213,213			1.00	0.04	0.96
4814	0.04	0.03	0.0	218,217,0	0.04	0.02	0.0352,216,213	0.15	52	0.87	0.06	0.94
	0.11	0.09	0.0	46,46,0	0.04	0.03	0.0352,213,213			1.00	0.04	0.96
4815	0.07	0.07	0.0	214,213,0	0.03	0.03	0.0552,208,213	0.14	52	0.87	0.06	0.94
	0.12	0.10	0.0	46,46,0	0.03	0.03	0.0352,208,208			1.00	0.04	0.96
4816	0.07	0.07	0.0	214,213,0	0.03	0.03	0.0552,208,213	0.14	52	0.87	0.06	0.94
	0.12	0.10	0.0	46,46,0	0.03	0.04	0.0452,208,208			1.00	0.04	0.96
4817	0.01	0.04	0.0	223,220,0	0.05	9.83e-03	0.0152,212,212	0.17	52	0.87	0.06	0.94
	0.05	0.04	0.0	45,45,0	0.05	8.97e-03	8.97e-03 52,45,45			1.00	0.04	0.96
4818	0.02	0.04	0.0	215,220,0	0.05	0.01	0.0252,216,216	0.16	52	0.87	0.06	0.94
	0.07	0.06	0.0	46,46,0	0.05	0.01	0.01 52,45,45			1.00	0.04	0.96
4819	0.03	0.04	0.0	216,220,0	0.04	0.01	0.0252,216,216	0.16	52	0.87	0.06	0.94
	0.08	0.07	0.0	44,44,0	0.04	0.01	0.01 52,45,45			1.00	0.04	0.96
4820	0.03	0.04	0.0	216,220,0	0.04	3.39e-03	0.0152,208,216	0.15	52	0.87	0.06	0.94
	0.08	0.07	0.0	44,44,0	0.04	0.01	0.01 52,45,45			1.00	0.04	0.96
4821	0.01	0.06	0.0	223,59,0	0.05	9.83e-03	0.0252,212,212	0.17	52	0.87	0.06	0.94
	0.03	0.02	0.0	43,46,0	0.05	6.47e-03	6.47e-0352,216,216			1.00	0.04	0.96
4822	0.02	0.06	0.0	223,59,0	0.05	6.59e-03	0.0152,212,212	0.16	52	0.87	0.06	0.94
	0.04	0.04	0.0	44,42,0	0.05	9.43e-03	9.43e-03 52,46,46			1.00	0.04	0.96
4823	0.02	0.05	0.0	223,59,0	0.04	3.53e-03	0.0152,212,212	0.16	52	0.87	0.06	0.94
	0.05	0.05	0.0	44,44,0	0.04	0.01	0.01 52,44,44			1.00	0.04	0.96
4824	0.01	0.05	0.0	223,59,0	0.04	2.70e-03	0.0152,212,212	0.15	52	0.87	0.06	0.94
	0.05	0.05	0.0	44,44,0	0.04	0.01	0.01 52,44,44			1.00	0.04	0.96
4825	0.06	0.06	0.0	214,213,0	0.03	0.03	0.0552,216,213	0.14	52	0.87	0.06	0.94
	0.11	0.09	0.0	46,46,0	0.03	0.04	0.0452,208,208			1.00	0.04	0.96
4826	0.03	0.03	0.0	214,213,0	0.03	0.02	0.0352,216,213	0.14	52	0.87	0.06	0.94
	0.08	0.07	0.0	46,46,0	0.03	0.01	0.01 52,46,46			1.00	0.04	0.96
4827	6.63e-03	0.02	0.0	214,57,0	0.03	0.01	0.0252,212,216	0.13	52	0.87	0.06	0.94
	0.02	0.01	0.0	43,46,0	0.03	5.31e-03	5.31e-0352,217,217			1.00	0.04	0.96
4828	0.03	0.03	0.0	216,216,0	0.04	0.01	0.0252,216,216	0.15	52	0.87	0.06	0.94
	0.07	0.07	0.0	44,44,0	0.04	0.01	0.01 52,45,45			1.00	0.04	0.96
4829	0.02	0.03	0.0	216,59,0	0.04	0.01	0.0252,212,216	0.15	52	0.87	0.06	0.94
	0.05	0.05	0.0	43,44,0	0.04	0.01	0.0152,204,204			1.00	0.04	0.96
4830	3.29e-03	0.03	0.0	219,57,0	0.04	0.01	0.0252,212,216	0.15	52	0.87	0.06	0.94
	0.02	0.01	0.0	43,46,0	0.04	3.11e-03	3.11e-0352,212,212			1.00	0.04	0.96
4831	0.01	0.04	0.0	207,59,0	0.04	6.54e-03	0.0152,212,212	0.15	52	0.87	0.06	0.94
	0.04	0.04	0.0	44,44,0	0.04	0.01	0.01 52,44,44			1.00	0.04	0.96
4832	9.50e-03	0.04	0.0	217,59,0	0.04	0.01	0.0252,212,212	0.15	52	0.87	0.06	0.94
	0.03	0.03	0.0	43,44,0	0.04	6.61e-03	6.61e-03 52,46,46			1.00	0.04	0.96
4833	0.0	0.03	0.0	0,59,0	0.04	0.01	0.0252,212,212	0.15	52	0.0	0.0	0.0
	0.02	8.46e-03	0.0	228,46,0	0.04	2.09e-03	2.09e-03 52,46,46			1.00	0.04	0.96
4834	0.01	0.07	0.0	223,59,0	0.03	9.74e-03	0.0252,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.01	0.0	44,46,0	0.03	4.18e-03	4.18e-03 52,45,45			1.00	0.04	0.96
4835	0.01	0.06	0.0	223,59,0	0.03	5.84e-03	0.0152,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	44,42,0	0.03	6.60e-03	6.60e-03 52,46,46			1.00	0.04	0.96
4836	0.01	0.06	0.0	223,59,0	0.03	1.95e-03	0.0152,215,212	0.13	52	0.87	0.06	0.94
	0.02	0.03	0.0	44,44,0	0.03	7.99e-03	7.99e-03 52,44,44			1.00	0.04	0.96
4837	0.01	0.05	0.0	223,59,0	0.03	2.98e-03	0.0152,212,212	0.12	52	0.87	0.06	0.94
	0.02	0.03	0.0	44,44,0	0.03	7.99e-03	7.99e-03 52,44,44			1.00	0.04	0.96
4838	2.51e-03	0.07	0.0	223,59,0	0.01	8.84e-03	0.01225,212,212	0.09	225	0.87	0.06	0.94
	0.02	4.95e-03	0.0	51,46,0	0.01	2.81e-03	2.81e-03 225,46,46			1.00	0.04	0.96
4839	4.87e-03	0.06	0.0	223,59,0	0.01	5.32e-03	0.01227,212,212	0.09	227	0.87	0.06	0.94
	0.02	9.73e-03	0.0	51,42,0	0.01	4.34e-03	4.34e-03 227,42,42			1.00	0.04	0.96
4840	5.10e-03	0.06	0.0	227,59,0	0.01	2.08e-03	0.01223,215,212	0.08	223	0.87	0.06	0.94
	0.01	0.01	0.0	208,44,0	0.01	5.25e-03	5.25e-03 223,44,44			1.00	0.04	0.96
4841	5.10e-03	0.05	0.0	227,59,0	0.01	2.98e-03	0.0152,212,212	0.08	52	0.87	0.06	0.94
	0.01	0.02	0.0	208,205,0	0.01	5.25e-03	5.25e-03 52,44,44			1.00	0.04	0.96
4842	0.0	0.06	0.0	0,59,0	0.01	8.07e-03	0.01225,215,212	0.09	225	0.0	0.0	0.0
	0.02	5.16e-03	0.0	3,218,0	0.01	2.47e-03	2.47e-03225,216,216			1.00	0.04	0.96
4843	0.0	0.06	0.0	0,59,0	0.01	4.79e-03	0.01227,215,212	0.09	227	0.0	0.0	0.0

	0.02	5.03e-03	0.0	3,46,0	0.01	2.64e-03	2.64e-03 227,44,44			1.00	0.04	0.96
4844	0.0	0.05	0.0	0,59,0	0.01	2.18e-03	0.01223,215,212	0.08	223	0.0	0.0	0.0
	0.01	9.01e-03	0.0	17,205,0	0.01	3.14e-03	3.14e-03 223,44,44			1.00	0.04	0.96
4845	0.0	0.05	0.0	0,59,0	0.01	2.86e-03	0.01223,212,212	0.08	223	0.0	0.0	0.0
	9.38e-03	0.01	0.0	17,205,0	0.01	3.14e-03	3.14e-03 223,44,44			1.00	0.04	0.96
4846	0.0	0.07	0.0	0,59,0	0.01	6.65e-03	0.01220,215,212	0.09	220	0.0	0.0	0.0
	0.02	5.16e-03	0.0	3,218,0	0.01	2.47e-03	2.47e-03 220,216,216			1.00	0.04	0.96
4847	0.0	0.06	0.0	0,59,0	0.01	4.73e-03	0.01220,215,212	0.09	220	0.0	0.0	0.0
	0.02	6.21e-03	0.0	3,46,0	0.01	1.39e-03	1.39e-03 220,44,44			1.00	0.04	0.96
4848	0.0	0.05	0.0	0,59,0	0.01	2.18e-03	0.01220,215,212	0.09	220	0.0	0.0	0.0
	0.01	8.77e-03	0.0	17,46,0	0.01	1.62e-03	1.62e-03 220,44,44			1.00	0.04	0.96
4849	0.0	0.05	0.0	0,59,0	0.01	2.65e-03	0.01220,215,212	0.09	220	0.0	0.0	0.0
	9.38e-03	0.01	0.0	17,42,0	0.01	1.62e-03	1.62e-03 220,44,44			1.00	0.04	0.96
4850	0.0	0.07	0.0	0,59,0	0.03	6.37e-03	0.01220,215,212	0.13	220	0.0	0.0	0.0
	0.02	5.03e-03	0.0	3,218,0	0.03	2.26e-03	2.26e-03 220,217,217			1.00	0.04	0.96
4851	0.0	0.06	0.0	0,59,0	0.03	4.32e-03	0.01220,215,212	0.13	220	0.0	0.0	0.0
	0.02	6.64e-03	0.0	3,46,0	0.03	8.78e-04	8.78e-04 220,212,212			1.00	0.04	0.96
4852	4.79e-03	0.05	0.0	215,59,0	0.03	2.15e-03	9.92e-03 220,215,212	0.13	220	0.87	0.06	0.94
	0.01	9.00e-03	0.0	17,42,0	0.03	7.92e-04	7.92e-04 220,205,205			1.00	0.04	0.96
4853	4.87e-03	0.05	0.0	215,59,0	0.03	2.45e-03	9.40e-03 220,215,215	0.12	220	0.87	0.06	0.94
	8.77e-03	0.01	0.0	17,42,0	0.03	7.62e-04	7.62e-04 220,205,205			1.00	0.04	0.96
4854	8.01e-03	0.04	0.0	223,59,0	0.03	5.59e-03	0.0152,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.03	0.0	205,44,0	0.03	7.43e-03	7.43e-03 52,44,44			1.00	0.04	0.96
4855	3.71e-03	0.04	0.0	223,59,0	0.03	9.18e-03	0.0152,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	206,44,0	0.03	5.01e-03	5.01e-03 52,44,44			1.00	0.04	0.96
4856	0.0	0.04	0.0	0,59,0	0.03	9.18e-03	0.0152,212,212	0.13	52	0.0	0.0	0.0
	0.02	5.65e-03	0.0	228,221,0	0.03	1.82e-03	1.82e-03 52,44,44			1.00	0.04	0.96
4857	3.44e-03	0.04	0.0	227,59,0	0.01	5.22e-03	0.0152,212,212	0.09	52	0.87	0.06	0.94
	0.01	0.02	0.0	206,205,0	0.01	4.97e-03	4.97e-03 52,44,44			1.00	0.04	0.96
4858	0.0	0.04	0.0	0,59,0	0.01	7.80e-03	0.0152,212,212	0.09	52	0.0	0.0	0.0
	0.01	0.02	0.0	228,205,0	0.01	3.51e-03	3.51e-03 52,44,44			1.00	0.04	0.96
4859	0.0	0.04	0.0	0,59,0	0.01	7.80e-03	0.0152,212,212	0.09	52	0.0	0.0	0.0
	0.01	3.49e-03	0.0	228,221,0	0.01	1.39e-03	1.39e-03 220,209,209			1.00	0.04	0.96
4860	0.0	0.04	0.0	0,59,0	9.65e-03	4.86e-03	0.01223,215,212	0.08	223	0.0	0.0	0.0
	7.62e-03	0.01	0.0	228,205,0	9.65e-03	2.97e-03	2.97e-03 223,44,44			1.00	0.04	0.96
4861	0.0	0.04	0.0	0,59,0	9.01e-03	7.26e-03	0.01227,215,212	0.07	223	0.0	0.0	0.0
	0.01	0.01	0.0	234,205,0	9.01e-03	2.22e-03	2.22e-03 223,205,205			1.00	0.04	0.96
4862	0.0	0.03	0.0	0,59,0	8.63e-03	7.26e-03	0.01225,215,212	0.07	225	0.0	0.0	0.0
	0.01	3.09e-03	0.0	234,233,0	8.63e-03	1.70e-03	1.70e-03 225,212,212			1.00	0.04	0.96
4863	0.0	0.04	0.0	0,59,0	0.01	4.83e-03	0.01220,215,215	0.08	220	0.0	0.0	0.0
	7.19e-03	0.01	0.0	218,42,0	0.01	1.52e-03	1.52e-03 220,44,44			1.00	0.04	0.96
4864	0.0	0.04	0.0	0,59,0	9.71e-03	6.78e-03	0.01220,215,215	0.08	220	0.0	0.0	0.0
	0.01	0.01	0.0	234,42,0	9.70e-03	1.70e-03	1.70e-03 220,212,212			1.00	0.04	0.96
4865	0.0	0.03	0.0	0,59,0	7.49e-03	6.78e-03	9.44e-03 225,215,215	0.07	225	0.0	0.0	0.0
	0.01	4.70e-03	0.0	234,217,0	7.49e-03	1.70e-03	1.70e-03 225,212,212			1.00	0.04	0.96
4866	4.87e-03	0.04	0.0	215,59,0	0.03	4.57e-03	9.78e-03 220,215,215	0.12	220	0.87	0.06	0.94
	6.97e-03	0.01	0.0	214,33,0	0.03	7.08e-04	7.08e-04 220,205,205			1.00	0.04	0.96
4867	2.53e-03	0.03	0.0	212,59,0	0.02	6.73e-03	9.78e-03 220,215,215	0.12	220	0.87	0.06	0.94
	0.01	0.01	0.0	218,33,0	0.02	1.40e-03	1.40e-03 220,218,218			1.00	0.04	0.96
4868	0.0	0.03	0.0	0,57,0	0.02	6.73e-03	9.20e-03 220,215,215	0.11	220	0.0	0.0	0.0
	0.01	5.92e-03	0.0	218,205,0	0.02	1.40e-03	1.40e-03 220,218,218			1.00	0.04	0.96
4869	2.91e-03	0.04	0.0	223,59,0	0.04	6.37e-03	9.75e-03 220,215,212	0.15	220	0.87	0.06	0.94
	0.02	5.07e-03	0.0	51,210,0	0.04	1.86e-03	1.86e-03 220,218,218			1.00	0.04	0.96
4870	6.34e-03	0.04	0.0	207,59,0	0.04	4.27e-03	9.75e-03 220,218,212	0.15	220	0.87	0.06	0.94
	0.02	6.64e-03	0.0	51,46,0	0.04	8.78e-04	8.78e-04 220,212,212			1.00	0.04	0.96
4871	7.71e-03	0.04	0.0	207,59,0	0.04	2.15e-03	8.93e-03 220,218,212	0.15	220	0.87	0.06	0.94
	0.01	9.00e-03	0.0	17,42,0	0.04	8.32e-04	8.32e-04 220,217,217			1.00	0.04	0.96
4872	7.71e-03	0.03	0.0	207,59,0	0.03	2.31e-03	8.68e-03 220,215,215	0.14	220	0.87	0.06	0.94
	7.20e-03	0.01	0.0	21,42,0	0.03	7.14e-04	7.14e-04 220,217,217			1.00	0.04	0.96
4873	0.01	0.03	0.0	223,59,0	0.05	6.28e-03	9.23e-03 220,218,212	0.17	220	0.87	0.06	0.94
	0.03	5.07e-03	0.0	209,210,0	0.05	1.86e-03	1.86e-03 220,218,218			1.00	0.04	0.96
4874	0.01	0.03	0.0	217,59,0	0.05	4.27e-03	9.23e-03 220,218,212	0.17	220	0.87	0.06	0.94
	0.03	6.51e-03	0.0	209,204,0	0.05	1.44e-03	1.44e-03 220,209,209			1.00	0.04	0.96
4875	0.01	0.03	0.0	217,59,0	0.04	2.15e-03	8.49e-03 220,218,212	0.16	220	0.87	0.06	0.94
	8.76e-03	9.60e-03	0.0	17,204,0	0.04	1.44e-03	1.44e-03 220,209,209			1.00	0.04	0.96
4876	0.01	0.03	0.0	207,59,0	0.04	2.21e-03	8.59e-03 220,218,218	0.16	220	0.87	0.06	0.94
	6.13e-03	0.01	0.0	220,204,0	0.04	1.08e-03	1.08e-03 220,209,209			1.00	0.04	0.96
4877	0.01	0.02	0.0	207,57,0	0.05	6.70e-03	8.77e-03 220,204,218	0.17	220	0.87	0.06	0.94
	0.03	7.88e-03	0.0	209,210,0	0.05	1.33e-03	1.33e-03 220,217,217			1.00	0.04	0.96
4878	0.01	0.02	0.0	207,57,0	0.05	4.25e-03	8.77e-03 220,204,218	0.17	220	0.87	0.06	0.94
	0.03	0.01	0.0	209,204,0	0.05	2.04e-03	2.04e-03 220,205,205			1.00	0.04	0.96
4879	0.02	0.02	0.0	207,57,0	0.04	2.14e-03	8.20e-03 220,210,218	0.16	220	0.87	0.06	0.94
	0.01	0.01	0.0	204,204,0	0.04	2.04e-03	2.04e-03 220,205,205			1.00	0.04	0.96
4880	0.02	0.02	0.0	207,57,0	0.04	2.05e-03	8.20e-03 220,218,218	0.16	220	0.87	0.06	0.94
	8.39e-03	0.01	0.0	220,204,0	0.04	1.91e-03	1.91e-03 220,205,205			1.00	0.04	0.96

4881	0.01	0.03	0.0	207,57,0	0.04	7.96e-03	0.01220,204,204	0.16	220	0.87	0.06	0.94
	0.04	9.67e-03	0.0	209,210,0	0.04	1.30e-03	1.30e-03220,204,204			1.00	0.04	0.96
4882	0.02	0.03	0.0	207,57,0	0.04	5.26e-03	0.01220,204,204	0.16	220	0.87	0.06	0.94
	0.04	0.02	0.0	209,204,0	0.04	2.04e-03	2.04e-03220,205,205			1.00	0.04	0.96
4883	0.02	0.03	0.0	207,57,0	0.04	1.94e-03	8.79e-03220,210,204	0.16	220	0.87	0.06	0.94
	0.02	0.02	0.0	204,204,0	0.04	4.02e-03	4.02e-03220,208,208			1.00	0.04	0.96
4884	0.02	0.03	0.0	207,57,0	0.04	1.78e-03	8.13e-03220,218,204	0.15	220	0.87	0.06	0.94
	0.02	0.02	0.0	204,204,0	0.04	4.02e-03	4.02e-03220,208,208			1.00	0.04	0.96
4885	0.03	0.06	0.0	234,233,0	0.03	7.96e-03	0.02220,204,204	0.14	220	0.87	0.06	0.94
	0.04	0.01	0.0	209,210,0	0.03	2.66e-03	2.66e-03220,204,204			1.00	0.04	0.96
4886	0.02	0.05	0.0	234,233,0	0.03	6.74e-03	0.02220,204,204	0.14	220	0.87	0.06	0.94
	0.04	0.02	0.0	209,204,0	0.03	4.57e-03	4.57e-03220,204,204			1.00	0.04	0.96
4887	0.02	0.05	0.0	210,209,0	0.03	4.37e-03	0.02220,204,204	0.14	220	0.87	0.06	0.94
	0.03	0.03	0.0	204,204,0	0.03	5.51e-03	5.51e-03220,204,204			1.00	0.04	0.96
4888	0.02	0.05	0.0	210,57,0	0.03	3.20e-03	0.01220,204,204	0.14	220	0.87	0.06	0.94
	0.03	0.03	0.0	204,204,0	0.03	5.51e-03	5.51e-03220,204,204			1.00	0.04	0.96
4889	0.03	0.09	0.0	234,57,0	0.03	0.01	0.02223,208,204	0.14	223	0.87	0.06	0.94
	0.04	0.02	0.0	209,210,0	0.03	3.63e-03	3.63e-03223,218,218			1.00	0.04	0.96
4890	0.02	0.10	0.0	234,57,0	0.03	8.80e-03	0.02220,204,204	0.12	220	0.87	0.06	0.94
	0.04	0.01	0.0	209,204,0	0.03	4.57e-03	4.57e-03220,204,204			1.00	0.04	0.96
4891	0.04	0.10	0.0	210,57,0	0.02	0.01	0.03220,204,204	0.12	220	0.87	0.06	0.94
	0.03	0.03	0.0	204,204,0	0.02	0.02	0.02220,204,204			1.00	0.04	0.96
4892	0.04	0.10	0.0	210,57,0	0.02	0.04	0.06220,204,204	0.11	220	0.87	0.06	0.94
	0.03	0.03	0.0	204,204,0	0.02	0.02	0.02220,204,204			1.00	0.04	0.96
4893	6.38e-03	0.03	0.0	207,59,0	0.03	4.42e-03	9.23e-03220,218,215	0.14	220	0.87	0.06	0.94
	7.89e-03	0.02	0.0	211,208,0	0.03	6.48e-04	6.48e-04220,217,217			1.00	0.04	0.96
4894	2.53e-03	0.03	0.0	212,59,0	0.03	6.65e-03	9.23e-03220,215,215	0.13	220	0.87	0.06	0.94
	9.00e-03	0.02	0.0	206,208,0	0.03	1.43e-03	1.43e-03220,209,209			1.00	0.04	0.96
4895	0.0	0.03	0.0	0,57,0	0.02	6.65e-03	8.90e-03220,215,215	0.12	220	0.0	0.0	0.0
	9.00e-03	8.71e-03	0.0	206,33,0	0.02	1.43e-03	1.43e-03220,209,209			1.00	0.04	0.96
4896	0.01	0.03	0.0	217,59,0	0.04	4.42e-03	9.12e-03220,218,215	0.15	220	0.87	0.06	0.94
	0.01	0.02	0.0	207,204,0	0.04	6.58e-04	6.58e-04 220,41,41			1.00	0.04	0.96
4897	4.42e-03	0.03	0.0	207,59,0	0.04	6.91e-03	9.23e-03220,204,204	0.15	220	0.87	0.06	0.94
	0.01	0.02	0.0	207,204,0	0.04	1.43e-03	1.43e-03220,209,209			1.00	0.04	0.96
4898	0.0	0.03	0.0	0,57,0	0.03	6.91e-03	9.23e-03220,204,204	0.13	220	0.0	0.0	0.0
	6.61e-03	0.01	0.0	207,57,0	0.03	1.43e-03	1.43e-03220,209,209			1.00	0.04	0.96
4899	0.01	0.03	0.0	207,57,0	0.04	4.48e-03	9.56e-03220,204,204	0.15	220	0.87	0.06	0.94
	0.01	0.03	0.0	207,204,0	0.04	1.47e-03	1.47e-03220,204,204			1.00	0.04	0.96
4900	6.32e-03	0.03	0.0	207,57,0	0.04	7.75e-03	0.01220,204,204	0.15	220	0.87	0.06	0.94
	0.01	0.03	0.0	207,204,0	0.04	1.47e-03	1.47e-03220,204,204			1.00	0.04	0.96
4901	0.0	0.03	0.0	0,57,0	0.03	7.75e-03	0.01220,204,204	0.13	220	0.0	0.0	0.0
	6.61e-03	0.02	0.0	207,59,0	0.03	6.82e-04	6.82e-04220,220,220			1.00	0.04	0.96
4902	0.01	0.03	0.0	207,57,0	0.04	5.32e-03	0.01220,204,204	0.15	220	0.87	0.06	0.94
	0.02	0.03	0.0	207,204,0	0.04	4.99e-03	4.99e-03220,204,204			1.00	0.04	0.96
4903	6.80e-03	0.03	0.0	204,57,0	0.04	8.32e-03	0.01220,204,204	0.15	220	0.87	0.06	0.94
	0.02	0.03	0.0	207,204,0	0.04	4.99e-03	4.99e-03220,204,204			1.00	0.04	0.96
4904	0.0	0.03	0.0	0,57,0	0.03	8.32e-03	0.01220,204,204	0.12	220	0.0	0.0	0.0
	0.01	0.03	0.0	207,204,0	0.03	2.16e-03	2.16e-03220,204,204			1.00	0.04	0.96
4905	0.01	0.05	0.0	210,57,0	0.03	8.56e-03	0.02220,204,204	0.13	220	0.87	0.06	0.94
	0.03	0.05	0.0	207,204,0	0.03	7.87e-03	7.87e-03220,204,204			1.00	0.04	0.96
4906	6.80e-03	0.04	0.0	204,59,0	0.03	8.56e-03	0.02220,204,204	0.13	220	0.87	0.06	0.94
	0.03	0.05	0.0	207,204,0	0.03	7.87e-03	7.87e-03220,204,204			1.00	0.04	0.96
4907	1.70e-03	0.04	0.0	207,59,0	0.02	8.32e-03	0.01220,204,204	0.11	220	0.87	0.06	0.94
	0.02	0.03	0.0	207,204,0	0.02	2.48e-03	2.48e-03220,207,207			1.00	0.04	0.96
4908	0.02	0.09	0.0	210,57,0	0.02	0.04	0.06220,204,204	0.12	220	0.87	0.06	0.94
	0.03	0.05	0.0	207,204,0	0.02	0.02	0.02220,204,204			1.00	0.04	0.96
4909	6.79e-03	0.08	0.0	210,57,0	0.02	8.56e-03	0.02220,204,204	0.12	220	0.87	0.06	0.94
	0.03	0.05	0.0	207,204,0	0.02	0.02	0.02220,204,204			1.00	0.04	0.96
4910	1.70e-03	0.06	0.0	207,57,0	0.01	5.51e-03	0.01220,204,59	0.09	220	0.87	0.06	0.94
	0.02	0.04	0.0	207,204,0	0.01	2.86e-03	2.86e-03 220,57,57			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.12	0.10	0.0		0.05	0.04	0.06		0.17			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
22	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2615 DI 2790

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
660	0.05	0.04	0.0	210,209,0	0.03	4.88e-03	0.01	209,18,18	0.14	209	0.24	0.19	0.81
	0.09	0.06	0.0	207,204,0	0.03	5.52e-03	5.52e-03	209,19,19			1.00	0.04	0.96
661	5.09e-03	4.81e-03	0.0	204,207,0	0.03	5.50e-04	1.76e-03	209,19,18	0.14	209	0.24	0.19	0.81
	0.09	0.06	0.0	207,204,0	0.03	4.75e-03	4.75e-03	209,19,19			1.00	0.04	0.96
662	0.05	0.04	0.0	210,209,0	0.03	4.88e-03	0.01	209,18,18	0.14	209	0.24	0.19	0.81
	0.08	0.06	0.0	207,204,0	0.03	5.52e-03	5.52e-03	209,19,19			1.00	0.04	0.96
682	4.90e-03	4.25e-03	0.0	210,209,0	0.03	7.42e-04	1.92e-03	209,18,18	0.13	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.03	5.24e-03	5.24e-03	209,18,18			1.00	0.04	0.96
683	8.08e-03	7.89e-03	0.0	220,223,0	0.03	4.67e-03	0.01	209,19,18	0.13	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.03	5.37e-03	5.37e-03	209,19,19			1.00	0.04	0.96
686	8.08e-03	7.89e-03	0.0	220,223,0	0.02	4.67e-03	0.01	209,19,18	0.11	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.02	5.37e-03	5.37e-03	209,19,19			1.00	0.04	0.96
712	0.05	0.04	0.0	210,209,0	0.03	4.88e-03	0.01	209,18,18	0.14	209	0.24	0.19	0.81
	0.09	0.06	0.0	207,204,0	0.03	5.52e-03	5.52e-03	209,19,19			1.00	0.04	0.96
921	5.09e-03	4.81e-03	0.0	204,207,0	0.03	5.59e-04	2.14e-03	209,219,18	0.14	209	0.24	0.19	0.81
	0.09	0.06	0.0	207,204,0	0.03	4.75e-03	4.75e-03	209,19,19			1.00	0.04	0.96
922	0.05	0.04	0.0	210,209,0	0.03	4.88e-03	0.01	209,18,18	0.14	209	0.24	0.19	0.81
	0.08	0.06	0.0	207,204,0	0.03	5.52e-03	5.52e-03	209,19,19			1.00	0.04	0.96
924	0.02	0.02	0.0	210,209,0	0.03	4.67e-03	0.01	209,19,18	0.13	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.03	5.37e-03	5.37e-03	209,19,19			1.00	0.04	0.96
925	4.90e-03	4.25e-03	0.0	210,209,0	0.03	7.42e-04	2.14e-03	209,18,18	0.13	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.03	5.24e-03	5.24e-03	209,18,18			1.00	0.04	0.96
926	0.02	0.02	0.0	210,209,0	0.02	4.67e-03	0.01	209,19,18	0.11	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.02	5.37e-03	5.37e-03	209,19,19			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.09	0.06	0.0		0.03	5.52e-03	0.01		0.14				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
23	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2666	0.08	0.06	0.0	216,219,0	0.05	9.53e-03	0.02	213,44,48	0.18	213	0.36	0.13	0.87
	0.14	0.08	0.0	213,214,0	0.05	0.01	0.01	213,45,45			1.00	0.04	0.96
2667	0.02	0.02	0.0	218,217,0	0.05	4.95e-03	6.62e-03	213,44,44	0.16	213	0.36	0.13	0.87
	0.14	0.08	0.0	213,214,0	0.05	0.01	0.01	213,45,45			1.00	0.04	0.96
2668	0.08	0.06	0.0	216,219,0	0.05	9.53e-03	0.02	213,44,48	0.18	213	0.36	0.13	0.87
	0.11	0.07	0.0	213,214,0	0.05	0.01	0.01	213,45,45			1.00	0.04	0.96
2677	9.02e-03	9.46e-03	0.0	212,215,0	0.06	2.89e-03	6.33e-03	213,44,44	0.19	213	0.36	0.13	0.87
	0.16	0.10	0.0	219,216,0	0.06	0.04	0.04	213,44,44			1.00	0.04	0.96
2678	0.01	0.02	0.0	218,213,0	0.06	6.04e-03	0.01	213,45,42	0.19	213	0.36	0.13	0.87
	0.16	0.10	0.0	219,216,0	0.06	0.04	0.04	213,44,44			1.00	0.04	0.96
2681	0.01	0.02	0.0	218,213,0	0.05	6.04e-03	0.01	213,45,42	0.16	213	0.36	0.13	0.87
	0.12	0.08	0.0	214,213,0	0.05	0.02	0.02	213,45,45			1.00	0.04	0.96
5470	5.28e-03	3.98e-03	0.0	228,231,0	0.07	4.24e-03	5.86e-03	213,44,44	0.20	213	0.36	0.13	0.87
	0.01	8.50e-03	0.0	42,47,0	0.07	0.01	0.01	213,45,45			1.00	0.04	0.96
5471	0.01	0.02	0.0	218,44,0	0.07	6.04e-03	0.02	213,45,44	0.20	213	0.36	0.13	0.87
	0.16	0.10	0.0	219,216,0	0.07	0.04	0.04	213,44,44			1.00	0.04	0.96
5472	7.84e-03	5.64e-03	0.0	234,233,0	0.07	4.24e-03	5.86e-03	213,44,44	0.20	213	0.36	0.13	0.87
	2.26e-03	1.63e-03	0.0	42,47,0	0.07	2.01e-03	2.01e-03	213,44,44			1.00	0.04	0.96
5473	0.04	0.04	0.0	216,219,0	0.07	4.26e-03	0.02	213,44,44	0.20	213	0.36	0.13	0.87
	0.04	0.03	0.0	216,219,0	0.07	2.01e-03	2.01e-03	213,44,44			1.00	0.04	0.96
5474	8.63e-03	5.64e-03	0.0	210,233,0	0.07	1.83e-03	5.32e-03	213,44,44	0.20	213	0.36	0.13	0.87
	4.72e-03	3.19e-03	0.0	214,213,0	0.07	0.01	0.01	213,45,45			1.00	0.04	0.96
5475	0.08	0.06	0.0	216,219,0	0.07	9.53e-03	0.02	213,44,44	0.20	213	0.36	0.13	0.87
	0.14	0.08	0.0	213,214,0	0.07	0.01	0.01	213,45,45			1.00	0.04	0.96
5476	0.01	0.02	0.0	218,44,0	0.05	6.04e-03	0.02	213,45,44	0.16	213	0.36	0.13	0.87
	0.12	0.08	0.0	214,213,0	0.05	0.02	0.02	213,45,45			1.00	0.04	0.96
5477	0.04	0.04	0.0	216,219,0	0.05	4.26e-03	0.02	213,44,44	0.17	213	0.36	0.13	0.87
	0.04	0.03	0.0	216,219,0	0.05	7.33e-04	7.33e-04	213,44,44			1.00	0.04	0.96
5478	0.08	0.06	0.0	216,219,0	0.05	9.53e-03	0.02	213,44,44	0.18	213	0.36	0.13	0.87

	0.11	0.07	0.0	213,214,0	0.05	0.01	0.01	213,45,45		1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.16	0.10	0.0		0.07	0.04	0.04		0.20			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
24	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN			kN			kN	kN m	
		0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2615	9.18e-03	0.01	0.0	218,44,0	0.04	6.04e-03	0.01	219,45,44	0.16	219	0.36	0.13	0.87
	0.14	0.09	0.0	213,214,0	0.04	0.04	0.04	219,44,44			1.00	0.04	0.96
2616	9.18e-03	9.77e-03	0.0	218,217,0	0.04	2.89e-03	6.36e-03	219,44,44	0.16	219	0.36	0.13	0.87
	0.14	0.09	0.0	213,214,0	0.04	0.04	0.04	219,44,44			1.00	0.04	0.96
2617	5.52e-03	0.01	0.0	226,44,0	0.03	6.04e-03	0.01	219,45,44	0.13	219	0.36	0.13	0.87
	0.12	0.08	0.0	216,219,0	0.03	0.02	0.02	219,45,45			1.00	0.04	0.96
2629	0.02	0.01	0.0	212,215,0	0.03	5.07e-03	6.95e-03	219,44,44	0.13	219	0.36	0.13	0.87
	0.12	0.07	0.0	219,216,0	0.03	9.86e-03	9.86e-03	219,45,45			1.00	0.04	0.96
2630	0.07	0.06	0.0	214,213,0	0.04	9.54e-03	0.02	219,44,44	0.14	219	0.36	0.13	0.87
	0.12	0.07	0.0	219,216,0	0.04	9.70e-03	9.70e-03	219,45,45			1.00	0.04	0.96
2633	0.07	0.06	0.0	214,213,0	0.04	9.54e-03	0.02	219,44,44	0.14	219	0.36	0.13	0.87
	0.10	0.06	0.0	219,216,0	0.04	9.70e-03	9.70e-03	219,45,45			1.00	0.04	0.96
5503	7.80e-03	5.66e-03	0.0	228,231,0	0.04	1.82e-03	5.50e-03	219,44,44	0.15	219	0.36	0.13	0.87
	3.69e-03	2.50e-03	0.0	216,219,0	0.04	9.86e-03	9.86e-03	219,45,45			1.00	0.04	0.96
5504	0.07	0.06	0.0	214,213,0	0.04	9.54e-03	0.02	219,44,44	0.15	219	0.36	0.13	0.87
	0.12	0.07	0.0	219,216,0	0.04	9.86e-03	9.86e-03	219,45,45			1.00	0.04	0.96
5505	7.77e-03	5.66e-03	0.0	228,231,0	0.04	4.28e-03	5.94e-03	219,44,44	0.16	219	0.36	0.13	0.87
	2.41e-03	1.61e-03	0.0	42,47,0	0.04	2.03e-03	2.03e-03	219,44,44			1.00	0.04	0.96
5506	0.05	0.04	0.0	218,217,0	0.04	4.28e-03	0.02	219,44,44	0.16	219	0.36	0.13	0.87
	0.03	0.02	0.0	219,216,0	0.04	2.03e-03	2.03e-03	219,44,44			1.00	0.04	0.96
5507	7.16e-03	5.36e-03	0.0	234,233,0	0.04	4.28e-03	5.94e-03	219,44,44	0.16	219	0.36	0.13	0.87
	0.01	8.39e-03	0.0	42,47,0	0.04	0.01	0.01	219,45,45			1.00	0.04	0.96
5508	0.02	0.02	0.0	218,217,0	0.04	6.04e-03	0.02	219,45,44	0.16	219	0.36	0.13	0.87
	0.14	0.09	0.0	213,214,0	0.04	0.04	0.04	219,44,44			1.00	0.04	0.96
5509	0.07	0.06	0.0	214,213,0	0.04	9.54e-03	0.02	219,44,44	0.14	219	0.36	0.13	0.87
	0.10	0.06	0.0	219,216,0	0.04	9.70e-03	9.70e-03	219,45,45			1.00	0.04	0.96
5510	0.05	0.04	0.0	218,217,0	0.03	4.28e-03	0.02	219,44,44	0.13	219	0.36	0.13	0.87
	0.03	0.02	0.0	219,216,0	0.03	7.53e-04	7.53e-04	219,44,44			1.00	0.04	0.96
5511	0.02	0.02	0.0	218,217,0	0.03	6.04e-03	0.02	219,45,44	0.13	219	0.36	0.13	0.87
	0.12	0.08	0.0	216,219,0	0.03	0.02	0.02	219,45,45			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.14	0.09	0.0		0.04	0.04	0.04		0.16				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
25	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN			kN			kN	kN m	
		0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
672	0.06	0.05	0.0	204,207,0	0.04	8.08e-03	0.01	207,19,18	0.15	207	0.46	0.11	0.89
	0.02	0.02	0.0	209,210,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
679	0.06	0.05	0.0	204,207,0	0.04	8.08e-03	0.01	207,19,18	0.15	207	0.46	0.11	0.89
	0.03	0.03	0.0	19,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
680	3.22e-03	5.41e-03	0.0	210,209,0	0.04	4.15e-04	1.57e-03	207,18,18	0.15	207	0.46	0.11	0.89
	0.03	0.03	0.0	19,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
681	7.88e-03	5.22e-03	0.0	223,220,0	0.04	1.11e-03	1.68e-03	207,18,19	0.15	207	0.46	0.11	0.89

	0.03	0.02	0.0	22,19,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
699	8.69e-03	9.86e-03	0.0	230,229,0	0.03	7.87e-03	0.01	204,19,18	0.13	204	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.03	0.02	0.02	204,22,22			1.00	0.04	0.96
703	8.69e-03	9.86e-03	0.0	230,229,0	0.04	7.87e-03	0.01	207,19,18	0.15	207	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.04	0.02	0.02	207,22,22			1.00	0.04	0.96
705	4.60e-03	5.56e-03	0.0	204,207,0	0.04	4.48e-04	1.28e-03	207,18,18	0.15	207	0.46	0.11	0.89
	0.03	0.02	0.0	22,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
707	3.43e-03	2.55e-03	0.0	235,204,0	0.04	9.48e-04	1.55e-03	207,18,21	0.15	207	0.46	0.11	0.89
	0.02	0.02	0.0	22,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
928	0.06	0.05	0.0	204,207,0	0.04	8.08e-03	0.01	207,19,18	0.16	207	0.46	0.11	0.89
	0.03	0.03	0.0	19,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
929	0.06	0.05	0.0	204,207,0	0.04	8.08e-03	0.01	207,19,18	0.15	207	0.46	0.11	0.89
	0.02	0.02	0.0	209,210,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
930	7.88e-03	5.41e-03	0.0	223,209,0	0.04	1.11e-03	1.68e-03	207,18,19	0.16	207	0.46	0.11	0.89
	0.03	0.03	0.0	19,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
931	7.88e-03	5.22e-03	0.0	223,220,0	0.04	1.11e-03	1.68e-03	207,18,19	0.16	207	0.46	0.11	0.89
	8.75e-03	6.17e-03	0.0	15,19,0	0.04	0.01	0.01	207,19,19			1.00	0.04	0.96
932	0.03	0.02	0.0	204,207,0	0.04	7.87e-03	0.01	207,19,18	0.16	207	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.04	0.02	0.02	207,22,22			1.00	0.04	0.96
933	0.03	0.02	0.0	204,207,0	0.03	7.87e-03	0.01	204,19,18	0.13	204	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.03	0.02	0.02	204,22,22			1.00	0.04	0.96
934	4.60e-03	5.56e-03	0.0	204,207,0	0.04	9.48e-04	1.55e-03	207,18,21	0.16	207	0.46	0.11	0.89
	0.03	0.02	0.0	22,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
935	3.43e-03	2.39e-03	0.0	235,232,0	0.04	9.48e-04	1.55e-03	207,18,21	0.16	207	0.46	0.11	0.89
	8.30e-03	5.87e-03	0.0	18,22,0	0.04	0.01	0.01	207,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.06	0.05	0.0		0.04	0.02	0.02		0.16				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
26	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.64	-239.4	179	0.52	-195.8	174	0.76	-1.761e+04	-9.652e+06	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
596	0.16	0.23	0.0	210,209,0	0.15	1.96e-03	0.03211,210,209		0.30	211	0.85	0.06	0.94
	8.73e-03	6.91e-03	0.0	218,217,0	0.15	2.76e-03	2.76e-03211,206,206				1.00	0.04	0.96
597	0.16	0.23	0.0	210,209,0	0.15	1.96e-03	0.03211,210,209		0.30	211	0.85	0.06	0.94
	4.92e-03	5.02e-03	0.0	218,217,0	0.15	1.92e-03	1.92e-03211,213,213				1.00	0.04	0.96
598	0.12	0.19	0.0	210,209,0	0.13	1.19e-03	0.02207,213,209		0.28	207	0.85	0.06	0.94
	8.73e-03	6.91e-03	0.0	218,217,0	0.13	2.85e-03	2.85e-03207,222,222				1.00	0.04	0.96
599	0.08	0.15	0.0	210,209,0	0.12	1.19e-03	0.02207,213,209		0.26	207	0.85	0.06	0.94
	6.61e-03	5.79e-03	0.0	206,205,0	0.12	2.85e-03	2.85e-03207,222,222				1.00	0.04	0.96
600	0.08	0.15	0.0	223,220,0	0.10	8.91e-04	0.02207,213,204		0.24	207	0.85	0.06	0.94
	6.45e-03	6.69e-03	0.0	206,220,0	0.10	2.82e-03	2.82e-03207,222,222				1.00	0.04	0.96
646	0.10	0.16	0.0	223,220,0	0.08	1.94e-03	0.02207,221,220		0.22	207	0.85	0.06	0.94
	4.38e-03	7.75e-03	0.0	207,220,0	0.08	2.98e-03	2.98e-03207,222,222				1.00	0.04	0.96
647	0.10	0.16	0.0	223,220,0	0.08	3.18e-03	0.02207,210,220		0.21	207	0.85	0.06	0.94
	2.08e-03	7.87e-03	0.0	223,52,0	0.08	2.98e-03	2.98e-03207,222,222				1.00	0.04	0.96
648	0.10	0.16	0.0	223,220,0	0.08	3.18e-03	0.02207,210,224		0.21	207	0.85	0.06	0.94
	0.0	7.87e-03	0.0	0,52,0	0.08	1.31e-03	1.31e-03207,215,215				0.0	0.0	0.0
713	0.16	0.23	0.0	210,209,0	0.19	1.96e-03	0.03211,210,209		0.33	211	0.85	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.19	2.76e-03	2.76e-03211,206,206				1.00	0.04	0.96
714	0.16	0.23	0.0	210,209,0	0.18	1.96e-03	0.03211,210,209		0.33	211	0.85	0.06	0.94
	9.77e-03	8.82e-03	0.0	210,209,0	0.18	1.92e-03	1.92e-03211,213,213				1.00	0.04	0.96
715	0.12	0.19	0.0	210,209,0	0.19	1.19e-03	0.02211,213,209		0.33	211	0.85	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.19	2.85e-03	2.85e-03211,222,222				1.00	0.04	0.96
716	0.08	0.15	0.0	210,209,0	0.19	1.19e-03	0.02211,213,209		0.33	211	0.85	0.06	0.94
	0.02	0.01	0.0	206,205,0	0.19	2.85e-03	2.85e-03211,222,222				1.00	0.04	0.96
717	0.08	0.15	0.0	223,220,0	0.17	8.91e-04	0.02206,213,204		0.32	206	0.85	0.06	0.94
	0.02	0.01	0.0	206,220,0	0.17	2.82e-03	2.82e-03206,222,222				1.00	0.04	0.96
718	0.04	0.09	0.0	223,220,0	0.19	1.67e-03	0.01211,223,220		0.33	211	0.85	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.19	6.78e-04	6.78e-04211,213,213				1.00	0.04	0.96
719	0.04	0.09	0.0	223,220,0	0.18	1.67e-03	0.01211,223,220		0.33	211	0.85	0.06	0.94
	9.77e-03	8.82e-03	0.0	210,209,0	0.18	6.31e-04	6.31e-04211,227,227				1.00	0.04	0.96
720	0.04	0.09	0.0	223,220,0	0.19	1.05e-03	0.01211,223,220		0.34	211	0.85	0.06	0.94
	0.02	0.01	0.0	206,205,0	0.19	1.09e-03	1.09e-03211,206,206				1.00	0.04	0.96

721	0.04	0.09	0.0 223,220,0	0.19	6.79e-04	0.01211,223,220	0.34	211	0.85	0.06	0.94
	0.02	0.02	0.0 206,205,0	0.19	1.22e-03	1.22e-03211,222,222			1.00	0.04	0.96
722	0.04	0.09	0.0 223,220,0	0.18	6.30e-04	0.01211,223,220	0.33	211	0.85	0.06	0.94
	0.02	0.02	0.0 206,204,0	0.18	1.22e-03	1.22e-03211,222,222			1.00	0.04	0.96
723	0.02	0.06	0.0 223,220,0	0.19	1.74e-03	7.73e-03211,221,220	0.33	211	0.85	0.06	0.94
	0.01	0.01	0.0 210,209,0	0.19	7.55e-04	7.55e-04211,214,214			1.00	0.04	0.96
724	0.02	0.05	0.0 223,220,0	0.18	1.74e-03	7.73e-03211,221,220	0.33	211	0.85	0.06	0.94
	6.91e-03	6.69e-03	0.0 210,209,0	0.18	7.13e-04	7.13e-04211,232,232			1.00	0.04	0.96
725	0.02	0.06	0.0 223,220,0	0.19	1.19e-03	7.70e-03211,221,220	0.34	211	0.85	0.06	0.94
	0.02	0.01	0.0 206,205,0	0.19	7.55e-04	7.55e-04211,214,214			1.00	0.04	0.96
726	0.02	0.06	0.0 223,220,0	0.19	8.29e-04	7.62e-03211,220,220	0.34	211	0.85	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.19	7.44e-04	7.44e-04211,222,222			1.00	0.04	0.96
727	0.02	0.05	0.0 223,220,0	0.19	7.06e-04	7.43e-03211,225,220	0.33	211	0.85	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.19	7.44e-04	7.44e-04211,222,222			1.00	0.04	0.96
728	7.45e-03	0.04	0.0 223,220,0	0.19	2.18e-03	5.80e-03211,222,220	0.33	211	0.85	0.06	0.94
	0.01	9.40e-03	0.0 206,205,0	0.19	7.65e-04	7.65e-04211,206,206			1.00	0.04	0.96
729	5.34e-03	0.04	0.0 223,220,0	0.18	2.18e-03	5.73e-03211,222,220	0.33	211	0.85	0.06	0.94
	4.50e-03	4.84e-03	0.0 210,209,0	0.18	7.36e-04	7.36e-04211,216,216			1.00	0.04	0.96
730	8.73e-03	0.04	0.0 223,220,0	0.19	1.55e-03	5.83e-03211,222,220	0.34	211	0.85	0.06	0.94
	0.01	0.01	0.0 206,205,0	0.19	8.78e-04	8.78e-04211,222,222			1.00	0.04	0.96
731	9.18e-03	0.04	0.0 223,220,0	0.19	9.39e-04	5.83e-03211,220,220	0.34	211	0.85	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.19	9.37e-04	9.37e-04211,222,222			1.00	0.04	0.96
732	9.57e-03	0.04	0.0 223,220,0	0.19	8.81e-04	5.83e-03211,222,220	0.33	211	0.85	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.19	9.37e-04	9.37e-04211,222,222			1.00	0.04	0.96
733	0.0	0.03	0.0 0,52,0	0.19	2.27e-03	5.00e-03211,222,226	0.33	211	0.0	0.0	0.0
	5.82e-03	6.44e-03	0.0 206,205,0	0.19	7.85e-04	7.85e-04211,212,212			1.00	0.04	0.96
734	0.0	0.03	0.0 0,52,0	0.18	2.27e-03	4.78e-03211,222,222	0.33	211	0.0	0.0	0.0
	2.29e-03	3.18e-03	0.0 206,205,0	0.18	7.85e-04	7.85e-04211,212,212			1.00	0.04	0.96
735	1.75e-03	0.03	0.0 223,220,0	0.20	1.64e-03	5.00e-03208,222,226	0.34	208	0.85	0.06	0.94
	0.01	0.01	0.0 206,205,0	0.20	8.78e-04	8.78e-04208,222,222			1.00	0.04	0.96
736	2.59e-03	0.03	0.0 227,220,0	0.20	9.82e-04	4.69e-03208,220,220	0.34	208	0.85	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.20	9.37e-04	9.37e-04208,222,222			1.00	0.04	0.96
737	3.68e-03	0.03	0.0 223,220,0	0.19	9.51e-04	4.87e-03208,222,220	0.33	208	0.85	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.19	9.37e-04	9.37e-04208,222,222			1.00	0.04	0.96
738	0.0	0.02	0.0 0,52,0	0.19	2.30e-03	4.73e-03208,222,222	0.33	208	0.0	0.0	0.0
	1.91e-03	3.72e-03	0.0 226,225,0	0.19	8.20e-04	8.20e-04208,216,216			1.00	0.04	0.96
739	0.0	0.02	0.0 0,52,0	0.18	2.30e-03	4.47e-03211,222,222	0.33	211	0.0	0.0	0.0
	6.28e-04	1.89e-03	0.0 226,225,0	0.18	8.20e-04	8.20e-04211,216,216			1.00	0.04	0.96
740	0.0	0.02	0.0 0,52,0	0.20	1.66e-03	4.73e-03208,222,222	0.34	208	0.0	0.0	0.0
	8.88e-03	8.92e-03	0.0 211,208,0	0.20	8.18e-04	8.18e-04208,222,222			1.00	0.04	0.96
741	0.0	0.02	0.0 0,52,0	0.20	9.84e-04	4.38e-03208,220,222	0.34	208	0.0	0.0	0.0
	0.05	0.04	0.0 207,204,0	0.20	8.95e-04	8.95e-04208,222,222			1.00	0.04	0.96
742	0.0	0.02	0.0 0,52,0	0.19	9.81e-04	4.45e-03208,222,222	0.34	208	0.0	0.0	0.0
	0.06	0.05	0.0 207,204,0	0.19	8.95e-04	8.95e-04208,222,222			1.00	0.04	0.96
743	0.0	0.02	0.0 0,52,0	0.19	2.30e-03	4.69e-03208,222,222	0.33	208	0.0	0.0	0.0
	2.95e-03	3.97e-03	0.0 204,211,0	0.19	8.59e-04	8.59e-04208,216,216			1.00	0.04	0.96
744	0.0	0.02	0.0 0,52,0	0.18	2.30e-03	4.40e-03211,222,222	0.33	211	0.0	0.0	0.0
	2.06e-03	2.50e-03	0.0 204,207,0	0.18	8.59e-04	8.59e-04211,216,216			1.00	0.04	0.96
745	1.09e-03	0.02	0.0 209,210,0	0.20	1.66e-03	4.69e-03208,222,222	0.34	208	0.85	0.06	0.94
	5.83e-03	6.74e-03	0.0 207,204,0	0.20	6.58e-04	6.58e-04208,222,222			1.00	0.04	0.96
746	2.31e-03	0.02	0.0 209,210,0	0.20	9.84e-04	4.45e-03208,220,222	0.34	208	0.85	0.06	0.94
	0.06	0.04	0.0 207,204,0	0.20	7.24e-04	7.24e-04208,222,222			1.00	0.04	0.96
747	2.31e-03	0.02	0.0 209,210,0	0.20	9.81e-04	4.55e-03208,222,222	0.34	208	0.85	0.06	0.94
	0.08	0.06	0.0 207,204,0	0.20	7.24e-04	7.24e-04208,222,222			1.00	0.04	0.96
748	7.79e-03	0.03	0.0 209,210,0	0.19	2.31e-03	5.19e-03208,221,222	0.33	208	0.85	0.06	0.94
	5.26e-03	5.15e-03	0.0 208,211,0	0.19	8.59e-04	8.59e-04208,216,216			1.00	0.04	0.96
749	7.67e-03	0.03	0.0 209,210,0	0.18	2.31e-03	4.99e-03211,221,222	0.33	211	0.85	0.06	0.94
	3.91e-03	3.57e-03	0.0 208,211,0	0.18	8.59e-04	8.59e-04211,216,216			1.00	0.04	0.96
750	8.02e-03	0.03	0.0 209,210,0	0.20	1.69e-03	5.19e-03208,221,222	0.34	208	0.85	0.06	0.94
	5.26e-03	5.15e-03	0.0 208,211,0	0.20	4.15e-04	4.15e-04208,226,226			1.00	0.04	0.96
751	8.02e-03	0.03	0.0 209,210,0	0.21	8.59e-04	4.88e-03208,225,222	0.35	208	0.85	0.06	0.94
	0.07	0.05	0.0 206,205,0	0.21	5.38e-04	5.38e-04208,221,221			1.00	0.04	0.96
752	7.67e-03	0.03	0.0 209,210,0	0.21	9.70e-04	4.87e-03208,222,222	0.35	208	0.85	0.06	0.94
	0.09	0.07	0.0 211,208,0	0.21	5.38e-04	5.38e-04208,221,221			1.00	0.04	0.96
753	0.02	0.04	0.0 209,210,0	0.19	2.33e-03	6.50e-03208,221,206	0.34	208	0.85	0.06	0.94
	6.56e-03	5.63e-03	0.0 205,206,0	0.19	9.01e-04	9.01e-04208,213,213			1.00	0.04	0.96
754	0.01	0.04	0.0 209,210,0	0.18	2.33e-03	5.60e-03208,221,210	0.33	208	0.85	0.06	0.94
	6.56e-03	5.14e-03	0.0 205,206,0	0.18	9.01e-04	9.01e-04208,213,213			1.00	0.04	0.96
755	0.03	0.05	0.0 209,210,0	0.20	1.78e-03	6.59e-03208,221,206	0.34	208	0.85	0.06	0.94
	0.01	8.99e-03	0.0 205,206,0	0.20	3.46e-04	3.46e-04208,225,225			1.00	0.04	0.96
756	0.03	0.05	0.0 209,210,0	0.21	1.06e-03	6.78e-03208,225,206	0.36	208	0.85	0.06	0.94
	0.09	0.06	0.0 206,205,0	0.21	3.80e-04	3.80e-04208,221,221			1.00	0.04	0.96
757	0.03	0.05	0.0 209,210,0	0.21	9.48e-04	6.78e-03208,221,206	0.36	208	0.85	0.06	0.94
	0.11	0.08	0.0 211,208,0	0.21	3.80e-04	3.80e-04208,221,221			1.00	0.04	0.96
758	0.16	0.18	0.0 209,210,0	0.19	2.33e-03	0.02208,221,210	0.34	208	0.85	0.06	0.94

	6.56e-03	5.63e-03	0.0 205,206,0	0.19	9.01e-04	9.01e-04208,213,213			1.00	0.04	0.96
759	0.16	0.18	0.0 209,210,0	0.18	2.33e-03	0.02208,221,210	0.33	208	0.85	0.06	0.94
	6.56e-03	5.14e-03	0.0 205,206,0	0.18	9.01e-04	9.01e-04208,213,213			1.00	0.04	0.96
760	0.12	0.14	0.0 209,210,0	0.20	1.78e-03	0.02208,221,210	0.34	208	0.85	0.06	0.94
	0.02	0.02	0.0 205,206,0	0.20	3.46e-04	3.46e-04208,225,225			1.00	0.04	0.96
761	0.08	0.10	0.0 209,210,0	0.21	1.27e-03	0.01208,221,210	0.36	208	0.85	0.06	0.94
	0.10	0.08	0.0 206,205,0	0.21	1.23e-03	1.23e-03208,225,225			1.00	0.04	0.96
762	0.04	0.07	0.0 209,210,0	0.21	2.38e-03	8.24e-03208,225,210	0.36	208	0.85	0.06	0.94
	0.14	0.10	0.0 211,208,0	0.21	1.23e-03	1.23e-03208,225,225			1.00	0.04	0.96
763	0.16	0.18	0.0 209,210,0	0.15	2.09e-03	0.02208,221,210	0.30	208	0.85	0.06	0.94
	5.37e-03	3.96e-03	0.0 205,206,0	0.15	8.59e-04	8.59e-04208,213,213			1.00	0.04	0.96
764	0.16	0.18	0.0 209,210,0	0.15	2.09e-03	0.02208,221,210	0.30	208	0.85	0.06	0.94
	5.37e-03	3.96e-03	0.0 205,206,0	0.15	8.59e-04	8.59e-04208,213,213			1.00	0.04	0.96
765	0.12	0.14	0.0 209,210,0	0.13	1.67e-03	0.02208,221,210	0.27	208	0.85	0.06	0.94
	0.02	0.02	0.0 205,206,0	0.13	3.05e-04	3.05e-04208,225,225			1.00	0.04	0.96
766	0.08	0.10	0.0 209,210,0	0.16	1.27e-03	0.01205,221,210	0.30	205	0.85	0.06	0.94
	0.10	0.08	0.0 206,205,0	0.16	1.23e-03	1.23e-03205,225,225			1.00	0.04	0.96
767	0.04	0.07	0.0 209,210,0	0.16	2.38e-03	8.24e-03205,225,210	0.30	205	0.85	0.06	0.94
	0.14	0.10	0.0 211,208,0	0.16	1.23e-03	1.23e-03205,225,225			1.00	0.04	0.96
768	0.10	0.16	0.0 223,220,0	0.15	1.94e-03	0.02210,221,220	0.30	210	0.85	0.06	0.94
	0.01	0.01	0.0 207,220,0	0.15	2.98e-03	2.98e-03210,222,222			1.00	0.04	0.96
769	0.10	0.16	0.0 223,220,0	0.14	3.18e-03	0.02210,210,220	0.28	210	0.85	0.06	0.94
	9.91e-03	0.01	0.0 223,220,0	0.14	2.98e-03	2.98e-03210,222,222			1.00	0.04	0.96
770	0.10	0.16	0.0 223,220,0	0.13	3.18e-03	0.02210,210,224	0.28	210	0.85	0.06	0.94
	3.95e-03	7.87e-03	0.0 223,52,0	0.13	2.47e-03	2.47e-03210,205,205			1.00	0.04	0.96
771	0.04	0.08	0.0 223,220,0	0.16	1.24e-03	0.01211,223,220	0.31	211	0.85	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.16	1.13e-03	1.13e-03211,222,222			1.00	0.04	0.96
772	0.04	0.08	0.0 223,220,0	0.15	2.06e-03	0.01211,223,220	0.30	211	0.85	0.06	0.94
	0.01	0.02	0.0 223,220,0	0.15	2.47e-03	2.47e-03211,205,205			1.00	0.04	0.96
773	0.04	0.08	0.0 223,220,0	0.14	2.06e-03	0.01211,223,220	0.29	211	0.85	0.06	0.94
	7.21e-03	8.62e-03	0.0 223,220,0	0.14	2.47e-03	2.47e-03211,205,205			1.00	0.04	0.96
774	0.02	0.05	0.0 223,220,0	0.16	1.45e-03	7.45e-03211,221,220	0.31	211	0.85	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.16	6.74e-04	6.74e-04211,222,222			1.00	0.04	0.96
775	0.02	0.05	0.0 223,220,0	0.15	2.15e-03	7.45e-03211,221,220	0.30	211	0.85	0.06	0.94
	0.01	0.02	0.0 223,220,0	0.15	2.35e-03	2.35e-03211,220,220			1.00	0.04	0.96
776	0.02	0.05	0.0 223,220,0	0.14	2.15e-03	7.38e-03211,221,220	0.29	211	0.85	0.06	0.94
	8.00e-03	8.62e-03	0.0 223,220,0	0.14	2.35e-03	2.35e-03211,220,220			1.00	0.04	0.96
777	9.57e-03	0.04	0.0 223,220,0	0.16	1.75e-03	5.84e-03211,222,220	0.31	211	0.85	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.16	8.31e-04	8.31e-04211,226,226			1.00	0.04	0.96
778	7.49e-03	0.03	0.0 223,220,0	0.15	2.99e-03	5.84e-03211,220,220	0.30	211	0.85	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.15	2.35e-03	2.35e-03211,220,220			1.00	0.04	0.96
779	5.36e-03	0.03	0.0 223,220,0	0.14	2.99e-03	5.80e-03211,220,220	0.29	211	0.85	0.06	0.94
	8.00e-03	8.43e-03	0.0 223,220,0	0.14	2.35e-03	2.35e-03211,220,220			1.00	0.04	0.96
780	3.68e-03	0.03	0.0 223,220,0	0.16	1.91e-03	4.93e-03211,222,220	0.31	211	0.85	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.16	8.31e-04	8.31e-04211,226,226			1.00	0.04	0.96
781	2.36e-03	0.02	0.0 223,220,0	0.15	3.00e-03	5.71e-03211,220,220	0.29	211	0.85	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.15	1.15e-03	1.15e-03211,213,213			1.00	0.04	0.96
782	0.0	0.02	0.0 0,52,0	0.14	3.00e-03	5.71e-03211,220,220	0.29	211	0.0	0.0	0.0
	5.51e-03	5.91e-03	0.0 223,220,0	0.14	1.15e-03	1.15e-03211,213,213			1.00	0.04	0.96
783	0.0	0.02	0.0 0,52,0	0.16	1.93e-03	4.74e-03211,222,226	0.31	211	0.0	0.0	0.0
	0.06	0.05	0.0 207,204,0	0.16	8.12e-04	8.12e-04211,222,222			1.00	0.04	0.96
784	0.0	0.02	0.0 0,52,0	0.14	3.00e-03	5.07e-03211,220,220	0.29	211	0.0	0.0	0.0
	0.03	0.02	0.0 207,204,0	0.14	1.15e-03	1.15e-03211,213,213			1.00	0.04	0.96
785	0.0	0.02	0.0 0,52,0	0.14	3.00e-03	5.07e-03211,220,220	0.29	211	0.0	0.0	0.0
	5.06e-03	5.21e-03	0.0 223,220,0	0.14	1.15e-03	1.15e-03211,213,213			1.00	0.04	0.96
786	2.23e-03	0.02	0.0 209,210,0	0.16	1.93e-03	4.85e-03211,222,222	0.30	211	0.85	0.06	0.94
	0.08	0.06	0.0 207,204,0	0.16	6.42e-04	6.42e-04211,221,221			1.00	0.04	0.96
787	6.89e-04	0.02	0.0 209,210,0	0.14	2.99e-03	4.91e-03211,221,222	0.29	211	0.85	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.14	1.15e-03	1.15e-03211,213,213			1.00	0.04	0.96
788	0.0	0.02	0.0 0,52,0	0.14	2.99e-03	4.91e-03208,221,222	0.29	208	0.0	0.0	0.0
	4.86e-03	4.99e-03	0.0 223,220,0	0.14	1.15e-03	1.15e-03208,213,213			1.00	0.04	0.96
789	7.53e-03	0.03	0.0 209,210,0	0.15	1.92e-03	5.26e-03208,221,222	0.30	208	0.85	0.06	0.94
	0.09	0.07	0.0 211,208,0	0.15	4.88e-04	4.88e-04208,221,221			1.00	0.04	0.96
790	7.09e-03	0.03	0.0 209,210,0	0.14	3.06e-03	5.35e-03208,221,222	0.28	208	0.85	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.14	1.12e-03	1.12e-03208,213,213			1.00	0.04	0.96
791	5.50e-03	0.02	0.0 209,210,0	0.14	3.06e-03	5.35e-03208,221,222	0.28	208	0.85	0.06	0.94
	4.86e-03	4.79e-03	0.0 223,220,0	0.14	1.12e-03	1.12e-03208,213,213			1.00	0.04	0.96
792	0.03	0.05	0.0 209,210,0	0.14	2.02e-03	6.68e-03208,221,206	0.29	208	0.85	0.06	0.94
	0.11	0.08	0.0 211,208,0	0.14	5.60e-04	5.60e-04208,225,225			1.00	0.04	0.96
793	0.02	0.04	0.0 209,210,0	0.13	3.06e-03	6.44e-03208,221,206	0.28	208	0.85	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.13	1.06e-03	1.06e-03208,219,219			1.00	0.04	0.96
794	0.02	0.04	0.0 209,210,0	0.13	3.06e-03	5.82e-03208,221,222	0.28	208	0.85	0.06	0.94
	6.85e-03	5.98e-03	0.0 221,222,0	0.13	1.06e-03	1.06e-03208,219,219			1.00	0.04	0.96
795	0.03	0.05	0.0 209,210,0	0.12	2.57e-03	7.71e-03208,221,222	0.27	208	0.85	0.06	0.94
	0.14	0.10	0.0 211,208,0	0.12	9.70e-04	9.70e-04208,225,225			1.00	0.04	0.96

796	0.03	0.05	0.0 209,210,0	0.12	2.80e-03	7.58e-03208,225,206	0.26	208	0.85	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.12	1.07e-03	1.07e-03208,216,216			1.00	0.04	0.96
797	0.03	0.05	0.0 209,210,0	0.12	2.80e-03	6.23e-03205,225,222	0.26	205	0.85	0.06	0.94
	6.85e-03	6.10e-03	0.0 221,220,0	0.12	1.07e-03	1.07e-03205,216,216			1.00	0.04	0.96
798	0.03	0.05	0.0 209,210,0	0.08	2.57e-03	7.71e-03205,221,222	0.22	205	0.85	0.06	0.94
	0.14	0.10	0.0 211,208,0	0.08	9.70e-04	9.70e-04205,225,225			1.00	0.04	0.96
799	0.03	0.05	0.0 209,210,0	0.08	2.57e-03	7.58e-03205,221,206	0.22	205	0.85	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.08	1.07e-03	1.07e-03205,216,216			1.00	0.04	0.96
800	0.03	0.05	0.0 209,210,0	0.08	2.57e-03	6.23e-03205,225,222	0.22	205	0.85	0.06	0.94
	6.51e-03	6.10e-03	0.0 227,220,0	0.08	1.07e-03	1.07e-03205,216,216			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.16	0.23	0.0	0.21	3.18e-03	0.03	0.36				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
27	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.66	-243.6	179	0.52	-191.8	179	0.76	-1.435e+04	-8.764e+06	205

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
492	0.13	0.27	0.0 207,204,0		0.20	2.75e-03	0.04207,52,204		0.35	207	0.85	0.06	0.94
	7.56e-03	6.52e-03	0.0 207,204,0		0.20	3.05e-03	3.05e-03207,222,222				1.00	0.04	0.96
493	0.13	0.27	0.0 207,204,0		0.19	2.75e-03	0.04211,52,204		0.34	211	0.85	0.06	0.94
	7.56e-03	6.07e-03	0.0 207,204,0		0.19	1.60e-03	1.60e-03211,232,232				1.00	0.04	0.96
494	0.06	0.21	0.0 207,204,0		0.20	2.92e-03	0.03207,225,204		0.35	207	0.85	0.06	0.94
	0.02	0.01	0.0 211,208,0		0.20	3.05e-03	3.05e-03207,222,222				1.00	0.04	0.96
495	0.0	0.18	0.0 0,52,0		0.20	4.14e-03	0.02207,225,52		0.35	207	0.0	0.0	0.0
	0.09	0.06	0.0 208,211,0		0.20	3.03e-03	3.03e-03207,220,220				1.00	0.04	0.96
496	0.01	0.18	0.0 223,52,0		0.20	4.14e-03	0.02207,225,52		0.35	207	0.85	0.06	0.94
	0.09	0.06	0.0 208,211,0		0.20	4.68e-03	4.68e-03207,224,224				1.00	0.04	0.96
518	0.02	0.16	0.0 223,52,0		0.12	3.78e-03	0.02 207,52,52		0.27	207	0.85	0.06	0.94
	0.09	0.05	0.0 208,206,0		0.12	5.53e-03	5.53e-03 207,52,52				1.00	0.04	0.96
519	0.04	0.15	0.0 223,52,0		0.13	5.64e-03	0.02207,221,52		0.28	207	0.85	0.06	0.94
	0.04	0.02	0.0 211,205,0		0.13	8.41e-03	8.41e-03207,227,227				1.00	0.04	0.96
520	0.04	0.13	0.0 223,220,0		0.13	5.64e-03	0.02207,221,52		0.28	207	0.85	0.06	0.94
	0.02	0.01	0.0 207,204,0		0.13	8.41e-03	8.41e-03207,227,227				1.00	0.04	0.96
801	0.13	0.27	0.0 207,204,0		0.15	2.75e-03	0.04206,52,204		0.29	206	0.85	0.06	0.94
	6.54e-03	4.12e-03	0.0 207,204,0		0.15	1.60e-03	1.60e-03206,232,232				1.00	0.04	0.96
802	0.13	0.27	0.0 207,204,0		0.15	2.75e-03	0.04206,52,204		0.29	206	0.85	0.06	0.94
	6.54e-03	4.52e-03	0.0 207,226,0		0.15	1.83e-03	1.83e-03206,222,222				1.00	0.04	0.96
803	0.06	0.21	0.0 207,204,0		0.11	2.92e-03	0.03209,225,204		0.25	209	0.85	0.06	0.94
	0.02	0.01	0.0 211,208,0		0.11	1.83e-03	1.83e-03209,222,222				1.00	0.04	0.96
804	0.0	0.18	0.0 0,52,0		0.11	4.14e-03	0.02210,225,52		0.26	210	0.0	0.0	0.0
	0.09	0.06	0.0 208,211,0		0.11	2.76e-03	2.76e-03210,223,223				1.00	0.04	0.96
805	0.0	0.18	0.0 0,52,0		0.11	4.14e-03	0.02210,225,52		0.26	210	0.0	0.0	0.0
	0.09	0.06	0.0 208,211,0		0.11	4.68e-03	4.68e-03210,224,224				1.00	0.04	0.96
806	0.02	0.16	0.0 223,52,0		0.07	3.78e-03	0.02 209,52,52		0.20	209	0.85	0.06	0.94
	0.09	0.05	0.0 208,206,0		0.07	5.53e-03	5.53e-03 209,52,52				1.00	0.04	0.96
807	0.04	0.15	0.0 223,52,0		0.08	5.64e-03	0.02209,221,52		0.22	209	0.85	0.06	0.94
	0.04	0.02	0.0 211,205,0		0.08	8.41e-03	8.41e-03209,227,227				1.00	0.04	0.96
808	0.04	0.13	0.0 223,220,0		0.08	5.64e-03	0.02209,221,52		0.22	209	0.85	0.06	0.94
	0.02	0.01	0.0 207,204,0		0.08	8.41e-03	8.41e-03209,227,227				1.00	0.04	0.96
817	0.0	0.13	0.0 0,52,0		0.20	2.02e-03	0.02 211,52,52		0.35	211	0.0	0.0	0.0
	0.01	7.21e-03	0.0 206,205,0		0.20	3.05e-03	3.05e-03211,222,222				1.00	0.04	0.96
818	0.0	0.13	0.0 0,52,0		0.20	2.02e-03	0.02 211,52,52		0.34	211	0.0	0.0	0.0
	7.56e-03	6.07e-03	0.0 207,204,0		0.20	1.60e-03	1.60e-03211,214,214				1.00	0.04	0.96
819	0.0	0.13	0.0 0,52,0		0.21	1.84e-03	0.02211,225,52		0.35	211	0.0	0.0	0.0
	0.01	9.44e-03	0.0 207,204,0		0.21	3.05e-03	3.05e-03211,222,222				1.00	0.04	0.96
820	0.0	0.12	0.0 0,52,0		0.21	1.84e-03	0.02211,225,52		0.35	211	0.0	0.0	0.0
	0.07	0.04	0.0 205,206,0		0.21	3.03e-03	3.03e-03211,220,220				1.00	0.04	0.96
821	0.01	0.12	0.0 223,52,0		0.21	1.55e-03	0.02211,225,52		0.35	211	0.85	0.06	0.94
	0.07	0.04	0.0 205,206,0		0.21	4.60e-03	4.60e-03 211,52,52				1.00	0.04	0.96
822	0.0	0.08	0.0 0,52,0		0.20	1.73e-03	0.01211,221,52		0.35	211	0.0	0.0	0.0
	0.01	7.82e-03	0.0 206,52,0		0.20	8.82e-04	8.82e-04211,216,216				1.00	0.04	0.96
823	0.0	0.08	0.0 0,52,0		0.20	1.73e-03	0.01211,221,52		0.34	211	0.0	0.0	0.0
	6.63e-03	5.30e-03	0.0 210,209,0		0.20	8.82e-04	8.82e-04211,216,216				1.00	0.04	0.96
824	0.0	0.08	0.0 0,52,0		0.21	1.30e-03	0.01211,221,52		0.35	211	0.0	0.0	0.0

	0.01	0.01	0.0	206,52,0	0.21	1.11e-03	1.11e-03 211,52,52			1.00	0.04	0.96
825	0.0	0.08	0.0	0,52,0	0.21	1.19e-03	0.01211,225,52	0.35	211	0.0	0.0	0.0
	0.04	0.03	0.0	208,206,0	0.21	1.30e-03	1.30e-03211,220,220			1.00	0.04	0.96
826	0.0	0.08	0.0	0,52,0	0.21	7.13e-04	0.01211,221,52	0.35	211	0.0	0.0	0.0
	0.05	0.03	0.0	205,206,0	0.21	1.30e-03	1.30e-03211,220,220			1.00	0.04	0.96
827	0.0	0.06	0.0	0,52,0	0.20	1.85e-03	6.99e-03211,221,52	0.35	211	0.0	0.0	0.0
	8.57e-03	7.82e-03	0.0	206,52,0	0.20	9.28e-04	9.28e-04211,212,212			1.00	0.04	0.96
828	0.0	0.06	0.0	0,52,0	0.20	1.85e-03	6.84e-03211,221,52	0.34	211	0.0	0.0	0.0
	4.41e-03	4.14e-03	0.0	206,208,0	0.20	9.28e-04	9.28e-04211,212,212			1.00	0.04	0.96
829	0.0	0.06	0.0	0,52,0	0.21	1.25e-03	6.99e-03211,221,52	0.35	211	0.0	0.0	0.0
	8.57e-03	0.01	0.0	206,52,0	0.21	6.05e-04	6.05e-04211,226,226			1.00	0.04	0.96
830	0.0	0.06	0.0	0,52,0	0.21	7.75e-04	6.87e-03211,225,52	0.35	211	0.0	0.0	0.0
	0.03	0.02	0.0	209,206,0	0.21	5.67e-04	5.67e-04211,222,222			1.00	0.04	0.96
831	0.0	0.06	0.0	0,52,0	0.20	7.88e-04	6.73e-03211,221,52	0.35	211	0.0	0.0	0.0
	0.03	0.02	0.0	209,206,0	0.20	6.55e-04	6.55e-04 211,52,52			1.00	0.04	0.96
832	0.0	0.04	0.0	0,52,0	0.20	1.85e-03	4.76e-03211,221,222	0.35	211	0.0	0.0	0.0
	2.92e-03	7.74e-03	0.0	210,52,0	0.20	9.53e-04	9.53e-04211,212,212			1.00	0.04	0.96
833	0.0	0.04	0.0	0,52,0	0.20	1.85e-03	4.76e-03211,221,222	0.34	211	0.0	0.0	0.0
	1.72e-03	3.67e-03	0.0	210,52,0	0.20	9.53e-04	9.53e-04211,212,212			1.00	0.04	0.96
834	0.0	0.04	0.0	0,52,0	0.21	1.23e-03	4.75e-03211,221,222	0.35	211	0.0	0.0	0.0
	2.92e-03	0.01	0.0	210,52,0	0.21	6.50e-04	6.50e-04211,222,222			1.00	0.04	0.96
835	0.0	0.04	0.0	0,52,0	0.21	6.80e-04	4.57e-03211,223,222	0.35	211	0.0	0.0	0.0
	0.01	0.01	0.0	209,230,0	0.21	7.47e-04	7.47e-04 211,52,52			1.00	0.04	0.96
836	0.0	0.04	0.0	0,52,0	0.20	7.88e-04	4.47e-03211,221,222	0.34	211	0.0	0.0	0.0
	0.01	0.01	0.0	207,204,0	0.20	7.49e-04	7.49e-04 211,52,52			1.00	0.04	0.96
837	0.0	0.03	0.0	0,52,0	0.20	1.82e-03	4.31e-03211,222,222	0.35	211	0.0	0.0	0.0
	2.09e-03	6.84e-03	0.0	209,52,0	0.20	9.53e-04	9.53e-04211,212,212			1.00	0.04	0.96
838	0.0	0.03	0.0	0,52,0	0.20	1.82e-03	4.23e-03211,222,222	0.34	211	0.0	0.0	0.0
	6.71e-04	3.24e-03	0.0	209,52,0	0.20	9.53e-04	9.53e-04211,212,212			1.00	0.04	0.96
839	0.0	0.03	0.0	0,52,0	0.21	1.23e-03	4.31e-03211,224,222	0.35	211	0.0	0.0	0.0
	2.09e-03	8.82e-03	0.0	209,52,0	0.21	6.50e-04	6.50e-04211,222,222			1.00	0.04	0.96
840	0.0	0.03	0.0	0,52,0	0.21	7.17e-04	4.14e-03211,220,222	0.35	211	0.0	0.0	0.0
	0.02	0.02	0.0	207,204,0	0.21	7.47e-04	7.47e-04 211,52,52			1.00	0.04	0.96
841	0.0	0.03	0.0	0,52,0	0.20	7.59e-04	3.98e-03208,222,222	0.34	208	0.0	0.0	0.0
	0.03	0.03	0.0	207,204,0	0.20	7.49e-04	7.49e-04 208,52,52			1.00	0.04	0.96
842	0.0	0.03	0.0	0,52,0	0.20	1.86e-03	4.26e-03211,222,230	0.34	211	0.0	0.0	0.0
	4.37e-03	5.60e-03	0.0	209,52,0	0.20	9.50e-04	9.50e-04211,216,216			1.00	0.04	0.96
843	0.0	0.03	0.0	0,52,0	0.20	1.86e-03	4.16e-03211,222,230	0.34	211	0.0	0.0	0.0
	2.28e-03	2.85e-03	0.0	209,210,0	0.20	9.50e-04	9.50e-04211,216,216			1.00	0.04	0.96
844	0.0	0.03	0.0	0,52,0	0.21	1.24e-03	4.26e-03208,220,230	0.35	208	0.0	0.0	0.0
	4.37e-03	7.12e-03	0.0	209,52,0	0.21	6.15e-04	6.15e-04 208,52,52			1.00	0.04	0.96
845	0.0	0.02	0.0	0,52,0	0.21	7.23e-04	4.17e-03208,222,230	0.35	208	0.0	0.0	0.0
	0.03	0.03	0.0	207,204,0	0.21	6.95e-04	6.95e-04 208,52,52			1.00	0.04	0.96
846	0.0	0.02	0.0	0,52,0	0.20	7.59e-04	4.05e-03208,222,230	0.34	208	0.0	0.0	0.0
	0.05	0.04	0.0	207,204,0	0.20	6.95e-04	6.95e-04 208,52,52			1.00	0.04	0.96
847	6.97e-03	0.03	0.0	209,210,0	0.20	1.90e-03	4.86e-03208,230,230	0.34	208	0.85	0.06	0.94
	6.50e-03	5.83e-03	0.0	209,210,0	0.20	9.43e-04	9.43e-04208,216,216			1.00	0.04	0.96
848	6.97e-03	0.03	0.0	209,210,0	0.19	1.90e-03	4.79e-03211,230,230	0.34	211	0.85	0.06	0.94
	4.12e-03	3.69e-03	0.0	209,210,0	0.19	9.43e-04	9.43e-04211,216,216			1.00	0.04	0.96
849	6.20e-03	0.03	0.0	209,210,0	0.21	1.33e-03	4.86e-03208,230,230	0.35	208	0.85	0.06	0.94
	6.53e-03	5.93e-03	0.0	209,210,0	0.21	5.06e-04	5.06e-04 208,52,52			1.00	0.04	0.96
850	5.65e-03	0.03	0.0	209,210,0	0.21	7.58e-04	4.63e-03208,232,230	0.35	208	0.85	0.06	0.94
	0.05	0.04	0.0	207,204,0	0.21	5.69e-04	5.69e-04208,222,222			1.00	0.04	0.96
851	4.87e-03	0.02	0.0	209,210,0	0.20	7.47e-04	4.46e-03208,234,230	0.35	208	0.85	0.06	0.94
	0.07	0.05	0.0	207,204,0	0.20	5.69e-04	5.69e-04208,222,222			1.00	0.04	0.96
852	0.02	0.04	0.0	209,210,0	0.20	1.93e-03	5.98e-03208,230,230	0.35	208	0.85	0.06	0.94
	7.06e-03	5.90e-03	0.0	205,211,0	0.20	8.79e-04	8.79e-04208,216,216			1.00	0.04	0.96
853	0.01	0.03	0.0	209,210,0	0.19	1.93e-03	5.35e-03211,230,230	0.34	211	0.85	0.06	0.94
	6.55e-03	5.17e-03	0.0	208,211,0	0.19	8.79e-04	8.79e-04211,216,216			1.00	0.04	0.96
854	0.03	0.05	0.0	209,210,0	0.21	1.41e-03	6.19e-03208,234,230	0.35	208	0.85	0.06	0.94
	0.01	9.65e-03	0.0	205,206,0	0.21	3.81e-04	3.81e-04208,233,233			1.00	0.04	0.96
855	0.03	0.05	0.0	209,210,0	0.21	8.85e-04	6.19e-03208,234,230	0.35	208	0.85	0.06	0.94
	0.07	0.05	0.0	207,204,0	0.21	4.24e-04	4.24e-04208,222,222			1.00	0.04	0.96
856	0.03	0.05	0.0	209,210,0	0.21	7.73e-04	6.13e-03208,232,230	0.35	208	0.85	0.06	0.94
	0.09	0.07	0.0	207,204,0	0.21	4.24e-04	4.24e-04208,222,222			1.00	0.04	0.96
857	0.16	0.17	0.0	205,206,0	0.20	2.00e-03	0.02208,232,211	0.35	208	0.85	0.06	0.94
	7.06e-03	5.90e-03	0.0	205,211,0	0.20	8.57e-04	8.57e-04208,216,216			1.00	0.04	0.96
858	0.16	0.17	0.0	205,206,0	0.19	2.00e-03	0.02211,232,211	0.34	211	0.85	0.06	0.94
	6.55e-03	5.17e-03	0.0	208,211,0	0.19	8.57e-04	8.57e-04211,216,216			1.00	0.04	0.96
859	0.12	0.13	0.0	209,210,0	0.21	1.58e-03	0.02208,232,210	0.35	208	0.85	0.06	0.94
	0.02	0.02	0.0	205,206,0	0.21	3.81e-04	3.81e-04208,233,233			1.00	0.04	0.96
860	0.07	0.09	0.0	209,210,0	0.21	1.23e-03	0.01208,231,210	0.35	208	0.85	0.06	0.94
	0.09	0.07	0.0	206,205,0	0.21	9.89e-04	9.89e-04208,233,233			1.00	0.04	0.96
861	0.04	0.06	0.0	209,210,0	0.21	1.86e-03	7.49e-03208,233,230	0.35	208	0.85	0.06	0.94
	0.12	0.09	0.0	211,205,0	0.21	9.89e-04	9.89e-04208,233,233			1.00	0.04	0.96

862	0.16	0.17	0.0 205,206,0	0.16	2.00e-03	0.02208,232,211	0.31	208	0.85	0.06	0.94
	5.27e-03	3.89e-03	0.0 208,211,0	0.16	8.09e-04	8.09e-04208,216,216			1.00	0.04	0.96
863	0.16	0.17	0.0 205,206,0	0.16	2.00e-03	0.02208,232,211	0.31	208	0.85	0.06	0.94
	5.27e-03	3.89e-03	0.0 208,211,0	0.16	8.09e-04	8.09e-04208,216,216			1.00	0.04	0.96
864	0.12	0.13	0.0 209,210,0	0.14	1.58e-03	0.02208,232,210	0.28	208	0.85	0.06	0.94
	0.02	0.02	0.0 205,206,0	0.14	2.73e-04	2.73e-04208,233,233			1.00	0.04	0.96
865	0.07	0.09	0.0 209,210,0	0.15	1.23e-03	0.01205,231,210	0.30	205	0.85	0.06	0.94
	0.09	0.07	0.0 206,205,0	0.15	9.89e-04	9.89e-04205,233,233			1.00	0.04	0.96
866	0.04	0.06	0.0 209,210,0	0.15	1.86e-03	7.49e-03205,233,230	0.30	205	0.85	0.06	0.94
	0.12	0.09	0.0 211,205,0	0.15	9.89e-04	9.89e-04205,233,233			1.00	0.04	0.96
867	0.02	0.12	0.0 223,52,0	0.14	2.71e-03	0.02 211,52,52	0.29	211	0.85	0.06	0.94
	0.06	0.04	0.0 205,211,0	0.14	4.90e-03	4.90e-03 211,52,52			1.00	0.04	0.96
868	0.03	0.12	0.0 223,52,0	0.15	4.79e-03	0.02211,225,52	0.29	211	0.85	0.06	0.94
	0.02	0.01	0.0 211,204,0	0.15	4.90e-03	4.90e-03 211,52,52			1.00	0.04	0.96
869	0.03	0.11	0.0 223,220,0	0.15	4.79e-03	0.02211,225,52	0.29	211	0.85	0.06	0.94
	0.02	0.01	0.0 211,208,0	0.15	4.83e-03	4.83e-03211,223,223			1.00	0.04	0.96
870	0.0	0.08	0.0 0,52,0	0.15	1.59e-03	0.01211,221,52	0.30	211	0.0	0.0	0.0
	0.05	0.03	0.0 205,206,0	0.15	1.33e-03	1.33e-03 211,52,52			1.00	0.04	0.96
871	0.0	0.08	0.0 0,52,0	0.15	3.47e-03	0.01211,221,52	0.29	211	0.0	0.0	0.0
	0.02	0.01	0.0 207,204,0	0.15	1.33e-03	1.33e-03 211,52,52			1.00	0.04	0.96
872	0.0	0.07	0.0 0,52,0	0.15	3.47e-03	0.01211,221,52	0.29	211	0.0	0.0	0.0
	0.01	0.01	0.0 207,204,0	0.15	1.30e-03	1.30e-03211,235,235			1.00	0.04	0.96
873	0.0	0.05	0.0 0,52,0	0.15	1.49e-03	6.76e-03211,221,52	0.30	211	0.0	0.0	0.0
	0.03	0.02	0.0 209,206,0	0.15	6.55e-04	6.55e-04 211,52,52			1.00	0.04	0.96
874	0.0	0.05	0.0 0,52,0	0.15	2.43e-03	6.76e-03211,225,52	0.29	211	0.0	0.0	0.0
	0.01	0.01	0.0 207,204,0	0.15	1.30e-03	1.30e-03211,235,235			1.00	0.04	0.96
875	0.0	0.05	0.0 0,52,0	0.15	2.43e-03	6.65e-03211,225,52	0.29	211	0.0	0.0	0.0
	0.01	8.82e-03	0.0 207,204,0	0.15	1.30e-03	1.30e-03211,235,235			1.00	0.04	0.96
876	0.0	0.04	0.0 0,52,0	0.15	1.36e-03	4.63e-03211,225,220	0.30	211	0.0	0.0	0.0
	0.01	0.01	0.0 207,204,0	0.15	7.49e-04	7.49e-04 211,52,52			1.00	0.04	0.96
877	0.0	0.04	0.0 0,52,0	0.14	2.11e-03	4.70e-03211,220,220	0.29	211	0.0	0.0	0.0
	0.01	0.01	0.0 207,204,0	0.14	1.25e-03	1.25e-03211,214,214			1.00	0.04	0.96
878	0.0	0.04	0.0 0,52,0	0.14	2.11e-03	4.70e-03211,220,220	0.29	211	0.0	0.0	0.0
	5.91e-03	6.27e-03	0.0 207,220,0	0.14	1.25e-03	1.25e-03211,214,214			1.00	0.04	0.96
879	0.0	0.03	0.0 0,52,0	0.15	1.42e-03	4.16e-03211,220,220	0.30	211	0.0	0.0	0.0
	0.03	0.03	0.0 207,204,0	0.15	7.49e-04	7.49e-04 211,52,52			1.00	0.04	0.96
880	0.0	0.03	0.0 0,52,0	0.13	2.21e-03	4.25e-03211,224,220	0.28	211	0.0	0.0	0.0
	0.01	0.01	0.0 207,204,0	0.13	1.25e-03	1.25e-03211,214,214			1.00	0.04	0.96
881	0.0	0.03	0.0 0,52,0	0.13	2.21e-03	4.25e-03211,224,220	0.28	211	0.0	0.0	0.0
	6.51e-03	5.42e-03	0.0 207,204,0	0.13	1.25e-03	1.25e-03211,214,214			1.00	0.04	0.96
882	0.0	0.02	0.0 0,52,0	0.15	1.43e-03	4.24e-03211,220,230	0.29	211	0.0	0.0	0.0
	0.05	0.04	0.0 207,204,0	0.15	6.40e-04	6.40e-04 211,52,52			1.00	0.04	0.96
883	0.0	0.02	0.0 0,52,0	0.13	2.27e-03	4.32e-03211,222,230	0.28	211	0.0	0.0	0.0
	0.02	0.01	0.0 207,204,0	0.13	1.12e-03	1.12e-03211,214,214			1.00	0.04	0.96
884	0.0	0.02	0.0 0,52,0	0.13	2.27e-03	4.32e-03211,222,230	0.28	211	0.0	0.0	0.0
	6.51e-03	5.42e-03	0.0 207,204,0	0.13	1.12e-03	1.12e-03211,214,214			1.00	0.04	0.96
885	5.04e-03	0.02	0.0 209,210,0	0.14	1.50e-03	4.75e-03211,230,230	0.29	211	0.85	0.06	0.94
	0.07	0.05	0.0 207,204,0	0.14	5.28e-04	5.28e-04211,222,222			1.00	0.04	0.96
886	5.04e-03	0.02	0.0 209,210,0	0.13	2.36e-03	4.80e-03211,230,230	0.27	211	0.85	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.13	1.09e-03	1.09e-03211,214,214			1.00	0.04	0.96
887	4.58e-03	0.02	0.0 209,210,0	0.13	2.36e-03	4.80e-03211,230,230	0.27	211	0.85	0.06	0.94
	4.06e-03	3.87e-03	0.0 235,232,0	0.13	1.09e-03	1.09e-03211,214,214			1.00	0.04	0.96
888	0.03	0.05	0.0 209,210,0	0.13	1.62e-03	6.13e-03208,232,230	0.28	208	0.85	0.06	0.94
	0.09	0.07	0.0 207,204,0	0.13	4.90e-04	4.90e-04208,233,233			1.00	0.04	0.96
889	0.02	0.04	0.0 209,210,0	0.12	2.46e-03	6.04e-03211,228,230	0.27	211	0.85	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.12	1.05e-03	1.05e-03211,219,219			1.00	0.04	0.96
890	0.02	0.03	0.0 209,210,0	0.12	2.46e-03	5.68e-03211,228,230	0.27	211	0.85	0.06	0.94
	4.59e-03	4.15e-03	0.0 235,232,0	0.12	1.05e-03	1.05e-03211,219,219			1.00	0.04	0.96
891	0.03	0.05	0.0 209,210,0	0.12	2.00e-03	7.14e-03208,233,230	0.26	208	0.85	0.06	0.94
	0.12	0.09	0.0 211,205,0	0.12	7.66e-04	7.66e-04208,233,233			1.00	0.04	0.96
892	0.03	0.05	0.0 209,210,0	0.11	2.46e-03	6.92e-03208,228,230	0.25	208	0.85	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.11	1.06e-03	1.06e-03208,213,213			1.00	0.04	0.96
893	0.03	0.05	0.0 209,210,0	0.11	2.46e-03	6.38e-03208,228,230	0.25	208	0.85	0.06	0.94
	5.28e-03	5.04e-03	0.0 235,232,0	0.11	1.06e-03	1.06e-03208,213,213			1.00	0.04	0.96
894	0.03	0.05	0.0 209,210,0	0.07	2.00e-03	7.14e-03205,233,230	0.21	205	0.85	0.06	0.94
	0.12	0.09	0.0 211,205,0	0.07	7.66e-04	7.66e-04205,233,233			1.00	0.04	0.96
895	0.03	0.05	0.0 209,210,0	0.07	2.36e-03	6.92e-03205,234,230	0.21	205	0.85	0.06	0.94
	5.98e-03	6.66e-03	0.0 207,204,0	0.07	1.06e-03	1.06e-03205,213,213			1.00	0.04	0.96
896	0.03	0.05	0.0 209,210,0	0.07	2.36e-03	6.38e-03205,234,230	0.20	205	0.85	0.06	0.94
	5.28e-03	5.04e-03	0.0 235,232,0	0.07	1.06e-03	1.06e-03205,213,213			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.16	0.27	0.0	0.21	8.41e-03	0.04	0.35

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
28	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
767	0.07	0.06	0.0	211,208,0	0.22	1.80e-03	8.13e-03	205,221,205	0.36	205	0.46	0.11	0.89
	9.32e-03	0.02	0.0	235,232,0	0.22	3.75e-03	3.75e-03	205,221,221			1.00	0.04	0.96
798	0.07	0.06	0.0	211,208,0	0.27	1.80e-03	8.13e-03	205,221,205	0.40	205	0.46	0.11	0.89
	0.03	0.04	0.0	205,206,0	0.27	3.75e-03	3.75e-03	205,221,221			1.00	0.04	0.96
799	8.29e-03	7.50e-03	0.0	207,204,0	0.27	5.06e-04	1.18e-03	205,225,220	0.40	205	0.46	0.11	0.89
	0.12	0.12	0.0	209,210,0	0.27	3.08e-03	3.08e-03	205,224,224			1.00	0.04	0.96
800	8.29e-03	7.50e-03	0.0	207,204,0	0.27	1.20e-03	1.29e-03	205,212,232	0.40	205	0.46	0.11	0.89
	0.12	0.12	0.0	209,210,0	0.27	3.08e-03	3.08e-03	205,224,224			1.00	0.04	0.96
805	0.04	0.03	0.0	205,206,0	0.20	1.72e-03	4.79e-03	208,223,222	0.34	208	0.46	0.11	0.89
	0.02	0.05	0.0	225,226,0	0.20	6.01e-03	6.01e-03	208,223,223			1.00	0.04	0.96
806	0.04	0.03	0.0	205,206,0	0.26	1.72e-03	4.79e-03	205,223,222	0.39	205	0.46	0.11	0.89
	0.03	0.07	0.0	223,52,0	0.26	6.01e-03	6.01e-03	205,223,223			1.00	0.04	0.96
807	0.02	0.01	0.0	207,204,0	0.29	8.38e-04	1.71e-03	205,223,213	0.42	205	0.46	0.11	0.89
	0.04	0.22	0.0	207,52,0	0.29	9.39e-03	9.39e-03	205,225,225			1.00	0.04	0.96
808	3.47e-03	4.96e-03	0.0	207,204,0	0.29	8.38e-04	1.35e-03	205,223,212	0.42	205	0.46	0.11	0.89
	0.04	0.22	0.0	207,52,0	0.29	9.39e-03	9.39e-03	205,225,225			1.00	0.04	0.96
809	0.07	0.06	0.0	211,208,0	0.28	1.80e-03	8.13e-03	205,221,205	0.41	205	0.46	0.11	0.89
	0.03	0.04	0.0	205,206,0	0.28	3.75e-03	3.75e-03	205,221,221			1.00	0.04	0.96
810	0.07	0.06	0.0	211,208,0	0.22	1.80e-03	8.13e-03	205,221,205	0.36	205	0.46	0.11	0.89
	0.01	0.02	0.0	234,232,0	0.22	3.75e-03	3.75e-03	205,221,221			1.00	0.04	0.96
811	8.29e-03	7.50e-03	0.0	207,204,0	0.28	1.20e-03	1.29e-03	205,212,232	0.41	205	0.46	0.11	0.89
	0.12	0.12	0.0	209,210,0	0.28	3.08e-03	3.08e-03	205,224,224			1.00	0.04	0.96
812	5.74e-03	4.86e-03	0.0	209,210,0	0.27	1.20e-03	1.29e-03	205,212,232	0.40	205	0.46	0.11	0.89
	4.31e-03	2.97e-03	0.0	225,210,0	0.27	2.82e-03	2.82e-03	205,221,221			1.00	0.04	0.96
813	0.04	0.03	0.0	205,206,0	0.28	1.72e-03	4.79e-03	205,223,222	0.41	205	0.46	0.11	0.89
	0.03	0.07	0.0	223,52,0	0.28	6.01e-03	6.01e-03	205,223,223			1.00	0.04	0.96
814	0.04	0.03	0.0	205,206,0	0.21	1.72e-03	4.79e-03	205,223,222	0.35	205	0.46	0.11	0.89
	0.02	0.05	0.0	225,226,0	0.21	6.01e-03	6.01e-03	205,223,223			1.00	0.04	0.96
815	0.02	0.01	0.0	207,204,0	0.29	8.38e-04	1.71e-03	205,223,213	0.42	205	0.46	0.11	0.89
	0.04	0.22	0.0	207,52,0	0.29	9.39e-03	9.39e-03	205,225,225			1.00	0.04	0.96
816	3.47e-03	4.96e-03	0.0	207,204,0	0.28	7.13e-04	1.35e-03	204,216,212	0.41	204	0.46	0.11	0.89
	4.31e-03	7.36e-03	0.0	225,52,0	0.28	4.30e-03	4.30e-03	204,223,223			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.12	0.22	0.0		0.29	9.39e-03	9.39e-03		0.42				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
29	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
866	0.06	0.05	0.0	211,208,0	0.21	1.36e-03	6.16e-03	205,233,205	0.35	205	0.46	0.11	0.89
	0.01	0.02	0.0	219,216,0	0.21	3.09e-03	3.09e-03	205,233,233			1.00	0.04	0.96
894	0.06	0.05	0.0	211,208,0	0.26	1.36e-03	6.16e-03	205,233,205	0.39	205	0.46	0.11	0.89
	0.03	0.03	0.0	205,206,0	0.26	3.09e-03	3.09e-03	205,233,233			1.00	0.04	0.96
895	7.43e-03	6.71e-03	0.0	207,206,0	0.26	2.90e-04	8.62e-04	205,213,206	0.39	205	0.46	0.11	0.89
	0.13	0.12	0.0	209,210,0	0.26	3.34e-03	3.34e-03	205,232,232			1.00	0.04	0.96
896	7.43e-03	6.67e-03	0.0	207,204,0	0.26	1.18e-03	1.64e-03	205,216,232	0.39	205	0.46	0.11	0.89
	0.13	0.12	0.0	209,210,0	0.26	3.34e-03	3.34e-03	205,232,232			1.00	0.04	0.96
905	0.05	0.04	0.0	205,206,0	0.19	1.78e-03	5.13e-03	205,235,211	0.34	205	0.46	0.11	0.89
	0.01	0.03	0.0	225,226,0	0.19	3.93e-03	3.93e-03	205,235,235			1.00	0.04	0.96
907	0.05	0.04	0.0	205,206,0	0.25	1.78e-03	5.13e-03	205,235,211	0.39	205	0.46	0.11	0.89

	0.02	0.06	0.0	223,52,0	0.25	3.93e-03	3.93e-03205,235,235			1.00	0.04	0.96
909	0.01	0.01	0.0	207,204,0	0.28	5.13e-04	1.49e-03205,52,204	0.40	205	0.46	0.11	0.89
	0.06	0.20	0.0	207,204,0	0.28	5.17e-03	5.17e-03205,233,233			1.00	0.04	0.96
911	5.70e-03	6.27e-03	0.0	207,204,0	0.28	1.07e-03	1.85e-03205,216,216	0.40	205	0.46	0.11	0.89
	0.06	0.20	0.0	207,204,0	0.28	5.17e-03	5.17e-03205,233,233			1.00	0.04	0.96
913	0.06	0.05	0.0	211,208,0	0.27	1.36e-03	6.16e-03205,233,205	0.40	205	0.46	0.11	0.89
	0.03	0.03	0.0	205,206,0	0.27	3.09e-03	3.09e-03205,233,233			1.00	0.04	0.96
914	0.06	0.05	0.0	211,208,0	0.21	1.36e-03	6.16e-03205,233,205	0.35	205	0.46	0.11	0.89
	0.01	0.02	0.0	219,216,0	0.21	3.09e-03	3.09e-03205,233,233			1.00	0.04	0.96
915	7.43e-03	6.71e-03	0.0	207,206,0	0.27	1.18e-03	1.64e-03205,216,232	0.40	205	0.46	0.11	0.89
	0.13	0.12	0.0	209,210,0	0.27	3.34e-03	3.34e-03205,232,232			1.00	0.04	0.96
916	5.22e-03	4.64e-03	0.0	209,210,0	0.26	1.18e-03	1.64e-03205,216,232	0.39	205	0.46	0.11	0.89
	3.62e-03	2.50e-03	0.0	229,210,0	0.26	2.21e-03	2.21e-03205,233,233			1.00	0.04	0.96
917	0.05	0.04	0.0	205,206,0	0.27	1.78e-03	5.13e-03205,235,211	0.40	205	0.46	0.11	0.89
	0.02	0.06	0.0	223,52,0	0.27	3.93e-03	3.93e-03205,235,235			1.00	0.04	0.96
918	0.05	0.04	0.0	205,206,0	0.20	1.78e-03	5.13e-03205,235,211	0.34	205	0.46	0.11	0.89
	0.01	0.03	0.0	225,226,0	0.20	3.93e-03	3.93e-03205,235,235			1.00	0.04	0.96
919	0.01	0.01	0.0	207,204,0	0.28	1.07e-03	1.85e-03205,216,216	0.40	205	0.46	0.11	0.89
	0.06	0.20	0.0	207,204,0	0.28	5.17e-03	5.17e-03205,233,233			1.00	0.04	0.96
920	5.70e-03	6.27e-03	0.0	207,204,0	0.27	1.07e-03	1.85e-03204,216,216	0.40	204	0.46	0.11	0.89
	3.62e-03	5.78e-03	0.0	229,52,0	0.27	3.43e-03	3.43e-03204,229,229			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.13	0.20	0.0		0.28	5.17e-03	6.16e-03		0.40			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
30	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.80	-185.2	200	0.79	-182.9	200	0.63	-5111.5	-3.456e+06	224

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
649	0.16	0.30	0.0	224,227,0	0.27	0.02	0.06232,207,207		0.40	232	0.85	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.27	0.02	0.02232,207,207				1.00	0.04	0.96
652	0.15	0.29	0.0	220,223,0	0.25	0.02	0.05232,209,207		0.38	232	0.85	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.25	0.02	0.02232,207,207				1.00	0.04	0.96
654	0.13	0.27	0.0	220,223,0	0.23	0.02	0.05232,204,207		0.37	232	0.85	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.23	0.02	0.02232,207,207				1.00	0.04	0.96
664	0.10	0.24	0.0	232,235,0	0.22	0.02	0.05232,207,207		0.36	232	0.85	0.06	0.94
	0.02	0.02	0.0	209,209,0	0.22	0.02	0.02232,209,209				1.00	0.04	0.96
665	0.16	0.30	0.0	224,227,0	0.27	0.02	0.06232,207,207		0.40	232	0.85	0.06	0.94
	0.01	0.01	0.0	204,207,0	0.27	4.83e-03	4.83e-03232,207,207				1.00	0.04	0.96
668	0.09	0.23	0.0	232,235,0	0.22	0.02	0.05232,207,207		0.36	232	0.85	0.06	0.94
	0.02	0.02	0.0	204,204,0	0.22	0.02	0.02232,204,204				1.00	0.04	0.96
687	0.08	0.22	0.0	232,235,0	0.21	0.01	0.04232,209,207		0.35	232	0.85	0.06	0.94
	0.02	0.02	0.0	204,204,0	0.21	0.02	0.02232,204,204				1.00	0.04	0.96
688	0.07	0.21	0.0	232,235,0	0.21	0.01	0.04232,209,207		0.35	232	0.85	0.06	0.94
	5.27e-03	0.02	0.0	229,230,0	0.21	7.28e-03	7.28e-03232,217,217				1.00	0.04	0.96
689	0.05	0.17	0.0	232,235,0	0.21	9.26e-03	0.03232,209,229		0.35	232	0.85	0.06	0.94
	5.27e-03	0.02	0.0	229,230,0	0.21	2.79e-03	2.79e-03232,210,210				1.00	0.04	0.96
936	0.16	0.30	0.0	224,227,0	0.29	0.02	0.06232,207,207		0.41	232	0.85	0.06	0.94
	0.05	0.04	0.0	204,207,0	0.29	0.02	0.02232,207,207				1.00	0.04	0.96
937	0.16	0.30	0.0	224,227,0	0.28	0.02	0.06232,207,207		0.41	232	0.85	0.06	0.94
	0.02	0.02	0.0	204,207,0	0.28	4.83e-03	4.83e-03232,207,207				1.00	0.04	0.96
938	0.15	0.29	0.0	220,223,0	0.29	0.02	0.05232,209,207		0.41	232	0.85	0.06	0.94
	0.05	0.04	0.0	204,207,0	0.29	0.02	0.02232,207,207				1.00	0.04	0.96
939	0.13	0.27	0.0	220,223,0	0.29	0.02	0.05232,204,207		0.41	232	0.85	0.06	0.94
	0.04	0.04	0.0	204,207,0	0.29	0.02	0.02232,207,207				1.00	0.04	0.96
940	0.03	0.14	0.0	232,235,0	0.29	3.88e-03	0.02232,207,223		0.41	232	0.85	0.06	0.94
	0.05	0.04	0.0	204,207,0	0.29	7.72e-03	7.72e-03232,204,204				1.00	0.04	0.96
941	0.02	0.13	0.0	232,235,0	0.28	3.88e-03	0.02232,207,223		0.41	232	0.85	0.06	0.94
	0.02	0.02	0.0	204,207,0	0.28	5.11e-03	5.11e-03232,207,207				1.00	0.04	0.96
942	0.03	0.14	0.0	232,235,0	0.29	2.55e-03	0.02232,209,231		0.42	232	0.85	0.06	0.94
	0.05	0.04	0.0	204,207,0	0.29	7.90e-03	7.90e-03232,204,204				1.00	0.04	0.96
943	0.03	0.14	0.0	232,235,0	0.30	5.79e-03	0.02232,204,207		0.42	232	0.85	0.06	0.94
	0.04	0.04	0.0	204,207,0	0.30	7.90e-03	7.90e-03232,204,204				1.00	0.04	0.96
944	0.0	0.11	0.0	0,52,0	0.29	4.06e-03	0.01232,209,52		0.41	232	0.0	0.0	0.0
	0.03	0.03	0.0	204,207,0	0.29	7.72e-03	7.72e-03232,204,204				1.00	0.04	0.96

945	0.0	0.11	0.0	0,52,0	0.28	4.06e-03	0.01232,209,52	0.41	232	0.0	0.0	0.0
	0.01	0.01	0.0	204,207,0	0.28	5.11e-03	5.11e-03232,207,207			1.00	0.04	0.96
946	0.0	0.11	0.0	0,52,0	0.30	2.52e-03	0.01232,209,52	0.42	232	0.0	0.0	0.0
	0.03	0.03	0.0	204,207,0	0.30	7.90e-03	7.90e-03232,204,204			1.00	0.04	0.96
947	0.0	0.11	0.0	0,52,0	0.30	1.37e-03	0.01232,210,52	0.42	232	0.0	0.0	0.0
	0.02	0.02	0.0	204,207,0	0.30	7.90e-03	7.90e-03232,204,204			1.00	0.04	0.96
948	0.0	0.10	0.0	0,52,0	0.29	4.06e-03	0.01232,209,52	0.41	232	0.0	0.0	0.0
	0.01	0.01	0.0	204,207,0	0.29	3.66e-03	3.66e-03232,204,204			1.00	0.04	0.96
949	0.0	0.10	0.0	0,52,0	0.28	4.06e-03	0.01232,209,52	0.41	232	0.0	0.0	0.0
	5.88e-03	7.07e-03	0.0	204,207,0	0.28	3.05e-03	3.05e-03232,208,208			1.00	0.04	0.96
950	0.0	0.10	0.0	0,52,0	0.30	2.72e-03	0.01232,204,52	0.42	232	0.0	0.0	0.0
	0.01	0.02	0.0	204,207,0	0.30	3.82e-03	3.82e-03232,204,204			1.00	0.04	0.96
951	0.0	0.10	0.0	0,52,0	0.30	1.37e-03	0.01232,210,52	0.42	232	0.0	0.0	0.0
	0.01	0.02	0.0	204,207,0	0.30	3.82e-03	3.82e-03232,204,204			1.00	0.04	0.96
952	0.0	0.10	0.0	0,52,0	0.29	3.74e-03	0.01232,204,52	0.42	232	0.0	0.0	0.0
	9.80e-03	0.01	0.0	209,210,0	0.29	2.39e-03	2.39e-03232,210,210			1.00	0.04	0.96
953	0.0	0.10	0.0	0,52,0	0.28	3.74e-03	0.01232,204,52	0.41	232	0.0	0.0	0.0
	5.27e-03	6.45e-03	0.0	229,230,0	0.28	2.39e-03	2.39e-03232,210,210			1.00	0.04	0.96
954	0.0	0.10	0.0	0,52,0	0.30	2.72e-03	0.01232,204,52	0.42	232	0.0	0.0	0.0
	9.80e-03	0.01	0.0	209,210,0	0.30	2.83e-03	2.83e-03232,209,209			1.00	0.04	0.96
955	0.0	0.10	0.0	0,52,0	0.30	2.37e-03	0.01235,209,52	0.42	235	0.0	0.0	0.0
	0.01	0.02	0.0	211,207,0	0.30	3.70e-03	3.70e-03235,209,209			1.00	0.04	0.96
956	0.09	0.19	0.0	229,230,0	0.29	3.67e-03	0.03232,230,230	0.42	232	0.85	0.06	0.94
	9.80e-03	0.01	0.0	209,210,0	0.29	4.07e-03	4.07e-03232,210,210			1.00	0.04	0.96
957	0.09	0.19	0.0	229,230,0	0.28	3.67e-03	0.03232,230,230	0.41	232	0.85	0.06	0.94
	5.27e-03	6.45e-03	0.0	229,230,0	0.28	2.89e-03	2.89e-03232,218,218			1.00	0.04	0.96
958	0.07	0.16	0.0	229,230,0	0.30	3.73e-03	0.02232,209,230	0.42	232	0.85	0.06	0.94
	9.80e-03	0.01	0.0	209,210,0	0.30	4.37e-03	4.37e-03232,210,210			1.00	0.04	0.96
959	0.04	0.14	0.0	229,230,0	0.30	7.88e-03	0.02235,210,210	0.42	235	0.85	0.06	0.94
	8.50e-03	0.01	0.0	209,210,0	0.30	4.46e-03	4.46e-03235,210,210			1.00	0.04	0.96
960	0.09	0.19	0.0	229,230,0	0.26	3.67e-03	0.03232,230,230	0.39	232	0.85	0.06	0.94
	5.82e-03	6.23e-03	0.0	229,230,0	0.26	4.07e-03	4.07e-03232,210,210			1.00	0.04	0.96
961	0.09	0.19	0.0	229,230,0	0.26	3.67e-03	0.03232,230,230	0.39	232	0.85	0.06	0.94
	2.97e-03	4.01e-03	0.0	229,230,0	0.26	2.89e-03	2.89e-03232,218,218			1.00	0.04	0.96
962	0.07	0.16	0.0	229,230,0	0.24	3.73e-03	0.02235,209,230	0.38	235	0.85	0.06	0.94
	5.82e-03	6.23e-03	0.0	229,230,0	0.24	4.37e-03	4.37e-03235,210,210			1.00	0.04	0.96
963	0.04	0.14	0.0	229,230,0	0.23	7.88e-03	0.02219,210,210	0.37	219	0.85	0.06	0.94
	4.93e-03	5.44e-03	0.0	209,210,0	0.23	4.46e-03	4.46e-03219,210,210			1.00	0.04	0.96
964	0.10	0.24	0.0	232,235,0	0.29	0.02	0.05232,207,207	0.41	232	0.85	0.06	0.94
	0.04	0.03	0.0	209,209,0	0.29	0.02	0.02232,209,209			1.00	0.04	0.96
965	0.09	0.23	0.0	232,235,0	0.29	0.02	0.05232,207,207	0.41	232	0.85	0.06	0.94
	0.05	0.04	0.0	204,209,0	0.29	0.02	0.02232,204,204			1.00	0.04	0.96
966	0.03	0.14	0.0	232,235,0	0.30	5.79e-03	0.02232,204,207	0.42	232	0.85	0.06	0.94
	0.04	0.03	0.0	209,209,0	0.30	5.25e-03	5.25e-03232,207,207			1.00	0.04	0.96
967	0.03	0.14	0.0	220,235,0	0.30	3.21e-03	0.02232,204,207	0.42	232	0.85	0.06	0.94
	0.05	0.04	0.0	204,209,0	0.30	5.25e-03	5.25e-03232,207,207			1.00	0.04	0.96
968	0.0	0.11	0.0	0,52,0	0.31	1.48e-03	0.01232,209,52	0.43	232	0.0	0.0	0.0
	0.03	0.02	0.0	217,207,0	0.31	3.62e-03	3.62e-03232,210,210			1.00	0.04	0.96
969	0.0	0.11	0.0	0,52,0	0.31	1.48e-03	0.01232,209,52	0.43	232	0.0	0.0	0.0
	0.04	0.03	0.0	204,209,0	0.31	4.56e-03	4.56e-03232,207,207			1.00	0.04	0.96
970	0.0	0.10	0.0	0,52,0	0.31	1.48e-03	0.01232,209,52	0.43	232	0.0	0.0	0.0
	0.02	0.02	0.0	217,217,0	0.31	2.01e-03	2.01e-03232,207,207			1.00	0.04	0.96
971	0.0	0.10	0.0	0,52,0	0.31	1.48e-03	0.01235,209,52	0.43	235	0.0	0.0	0.0
	0.03	0.03	0.0	209,209,0	0.31	2.48e-03	2.48e-03235,204,204			1.00	0.04	0.96
972	0.0	0.10	0.0	0,52,0	0.31	2.07e-03	0.01235,209,52	0.43	235	0.0	0.0	0.0
	0.03	0.02	0.0	209,209,0	0.31	3.70e-03	3.70e-03235,209,209			1.00	0.04	0.96
973	0.0	0.10	0.0	0,52,0	0.31	1.29e-03	0.01235,204,52	0.43	235	0.0	0.0	0.0
	0.03	0.02	0.0	209,209,0	0.31	1.84e-03	1.84e-03235,231,231			1.00	0.04	0.96
974	0.02	0.12	0.0	229,230,0	0.31	9.04e-03	0.02235,210,210	0.43	235	0.85	0.06	0.94
	0.03	0.02	0.0	209,209,0	0.31	6.10e-03	6.10e-03235,209,209			1.00	0.04	0.96
975	1.38e-04	0.12	0.0	229,52,0	0.31	9.04e-03	0.02235,210,210	0.43	235	0.85	0.06	0.94
	0.03	0.02	0.0	209,209,0	0.31	0.01	0.01235,209,209			1.00	0.04	0.96
976	0.02	0.12	0.0	229,230,0	0.23	9.04e-03	0.02219,210,210	0.37	219	0.85	0.06	0.94
	6.37e-03	6.61e-03	0.0	209,209,0	0.23	6.10e-03	6.10e-03219,209,209			1.00	0.04	0.96
977	1.38e-04	0.12	0.0	229,52,0	0.24	9.04e-03	0.02219,210,210	0.38	219	0.85	0.06	0.94
	0.01	0.01	0.0	209,209,0	0.24	0.01	0.01219,209,209			1.00	0.04	0.96
978	0.08	0.22	0.0	232,235,0	0.28	0.01	0.04232,209,207	0.41	232	0.85	0.06	0.94
	0.05	0.04	0.0	204,209,0	0.28	0.02	0.02232,204,204			1.00	0.04	0.96
979	0.07	0.21	0.0	232,235,0	0.28	0.01	0.04232,209,207	0.41	232	0.85	0.06	0.94
	0.02	0.03	0.0	204,209,0	0.28	7.28e-03	7.28e-03232,217,217			1.00	0.04	0.96
980	0.05	0.17	0.0	232,235,0	0.28	9.26e-03	0.03232,209,229	0.40	232	0.85	0.06	0.94
	0.01	0.02	0.0	209,210,0	0.28	2.79e-03	2.79e-03232,210,210			1.00	0.04	0.96
981	0.03	0.13	0.0	220,235,0	0.30	3.52e-03	0.02232,209,207	0.42	232	0.85	0.06	0.94
	0.05	0.04	0.0	204,209,0	0.30	4.56e-03	4.56e-03232,207,207			1.00	0.04	0.96
982	0.02	0.13	0.0	220,235,0	0.30	6.26e-03	0.02232,209,207	0.42	232	0.85	0.06	0.94

	0.02	0.03	0.0 204,210,0	0.30	4.40e-03	4.40e-03232,204,204			1.00	0.04	0.96
983	0.02	0.12	0.0 224,235,0	0.30	6.26e-03	0.02232,209,207	0.42	232	0.85	0.06	0.94
	0.02	0.03	0.0 209,210,0	0.30	1.40e-03	1.40e-03232,207,207			1.00	0.04	0.96
984	0.0	0.11	0.0 0,52,0	0.31	1.45e-03	0.01232,209,52	0.43	232	0.0	0.0	0.0
	0.04	0.03	0.0 204,209,0	0.31	4.56e-03	4.56e-03232,207,207			1.00	0.04	0.96
985	0.0	0.11	0.0 0,52,0	0.31	3.01e-03	0.01232,209,52	0.43	232	0.0	0.0	0.0
	0.02	0.03	0.0 204,210,0	0.31	2.20e-03	2.20e-03232,204,204			1.00	0.04	0.96
986	0.0	0.10	0.0 0,52,0	0.30	3.01e-03	0.01232,209,52	0.42	232	0.0	0.0	0.0
	0.02	0.03	0.0 209,210,0	0.30	1.85e-03	1.85e-03232,208,208			1.00	0.04	0.96
987	0.0	0.10	0.0 0,52,0	0.31	1.73e-03	0.01235,208,52	0.43	235	0.0	0.0	0.0
	0.03	0.03	0.0 209,209,0	0.31	2.48e-03	2.48e-03235,204,204			1.00	0.04	0.96
988	0.0	0.10	0.0 0,52,0	0.31	2.68e-03	0.01235,205,52	0.43	235	0.0	0.0	0.0
	0.02	0.03	0.0 209,210,0	0.31	2.20e-03	2.20e-03235,204,204			1.00	0.04	0.96
989	0.0	0.10	0.0 0,52,0	0.31	2.68e-03	0.01235,205,52	0.43	235	0.0	0.0	0.0
	0.02	0.03	0.0 209,210,0	0.31	1.85e-03	1.85e-03235,208,208			1.00	0.04	0.96
990	0.0	0.10	0.0 0,52,0	0.31	3.20e-03	0.01235,204,52	0.43	235	0.0	0.0	0.0
	0.02	0.02	0.0 209,209,0	0.31	3.42e-03	3.42e-03235,209,209			1.00	0.04	0.96
991	0.0	0.10	0.0 0,52,0	0.31	4.74e-03	0.01235,205,52	0.43	235	0.0	0.0	0.0
	0.02	0.03	0.0 209,207,0	0.31	3.42e-03	3.42e-03235,209,209			1.00	0.04	0.96
992	0.0	0.10	0.0 0,52,0	0.31	4.74e-03	0.01235,205,210	0.43	235	0.0	0.0	0.0
	0.02	0.03	0.0 209,207,0	0.31	1.78e-03	1.78e-03235,211,211			1.00	0.04	0.96
993	0.0	0.12	0.0 0,52,0	0.31	8.14e-03	0.02235,210,210	0.43	235	0.0	0.0	0.0
	0.02	0.02	0.0 209,209,0	0.31	0.01	0.01235,209,209			1.00	0.04	0.96
994	0.0	0.12	0.0 0,52,0	0.31	8.14e-03	0.02235,210,210	0.43	235	0.0	0.0	0.0
	0.02	0.03	0.0 204,207,0	0.31	3.71e-03	3.71e-03235,209,209			1.00	0.04	0.96
995	0.0	0.10	0.0 0,52,0	0.31	5.65e-03	0.01235,209,52	0.43	235	0.0	0.0	0.0
	0.02	0.03	0.0 204,207,0	0.31	1.21e-03	1.21e-03235,210,210			1.00	0.04	0.96
996	0.0	0.12	0.0 0,52,0	0.25	8.14e-03	0.02219,210,210	0.39	219	0.0	0.0	0.0
	0.01	0.01	0.0 209,209,0	0.25	0.01	0.01219,209,209			1.00	0.04	0.96
997	0.0	0.12	0.0 0,52,0	0.28	8.14e-03	0.02219,210,210	0.40	219	0.0	0.0	0.0
	0.02	0.03	0.0 204,207,0	0.28	3.71e-03	3.71e-03219,209,209			1.00	0.04	0.96
998	0.0	0.10	0.0 0,52,0	0.28	5.65e-03	0.01219,209,52	0.40	219	0.0	0.0	0.0
	0.02	0.03	0.0 204,207,0	0.28	1.04e-03	1.04e-03219,225,225			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.16	0.30	0.0	0.31	0.02	0.06	0.43				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
31	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.53	kN 81.6	172	0.37	kN 57.0	172	0.41	kN 1638.3	kN m 1.144e+06	207

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
960	0.13	0.14	0.0	229,230,0	0.13	2.84e-03	0.02204,235,230		0.28	204	0.85	0.06	0.94
	6.15e-03	7.05e-03	0.0	235,232,0	0.13	3.57e-03	3.57e-03204,235,235				1.00	0.04	0.96
961	0.13	0.14	0.0	229,230,0	0.13	2.84e-03	0.02204,235,230		0.27	204	0.85	0.06	0.94
	1.87e-03	5.34e-03	0.0	235,232,0	0.13	1.49e-03	1.49e-03204,216,216				1.00	0.04	0.96
962	0.10	0.12	0.0	229,230,0	0.14	7.28e-04	0.01204,215,230		0.29	204	0.85	0.06	0.94
	6.15e-03	7.05e-03	0.0	235,232,0	0.14	3.57e-03	3.57e-03204,235,235				1.00	0.04	0.96
963	0.07	0.11	0.0	229,230,0	0.15	1.05e-03	0.01204,232,230		0.30	204	0.85	0.06	0.94
	4.63e-03	5.27e-03	0.0	235,232,0	0.15	2.91e-03	2.91e-03204,235,235				1.00	0.04	0.96
976	0.04	0.09	0.0	229,230,0	0.15	1.19e-03	0.01204,232,230		0.30	204	0.85	0.06	0.94
	0.01	9.93e-03	0.0	209,210,0	0.15	2.46e-03	2.46e-03204,235,235				1.00	0.04	0.96
977	0.02	0.07	0.0	229,230,0	0.14	1.19e-03	8.26e-03204,232,230		0.29	204	0.85	0.06	0.94
	0.01	0.01	0.0	209,210,0	0.14	2.10e-03	2.10e-03204,229,229				1.00	0.04	0.96
996	0.0	0.07	0.0	0,52,0	0.10	2.02e-03	8.07e-03204,209,52		0.25	204	0.0	0.0	0.0
	0.01	0.01	0.0	209,210,0	0.10	1.60e-03	1.60e-03204,211,211				1.00	0.04	0.96
997	0.0	0.17	0.0	0,52,0	0.14	6.56e-03	0.02204,207,207		0.29	204	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.14	2.00e-03	2.00e-03204,208,208				0.0	0.0	0.0
998	1.24e-03	0.17	0.0	229,52,0	0.14	6.56e-03	0.02204,207,207		0.29	204	0.85	0.06	0.94
	7.34e-03	9.90e-03	0.0	210,209,0	0.14	3.16e-03	3.16e-03204,235,235				1.00	0.04	0.96
999	0.13	0.14	0.0	229,230,0	0.13	2.84e-03	0.02204,235,230		0.28	204	0.85	0.06	0.94
	0.01	0.01	0.0	235,232,0	0.13	3.57e-03	3.57e-03204,235,235				1.00	0.04	0.96
1000	0.13	0.14	0.0	229,230,0	0.13	2.84e-03	0.02204,235,230		0.27	204	0.85	0.06	0.94
	7.03e-03	7.17e-03	0.0	235,232,0	0.13	1.49e-03	1.49e-03204,216,216				1.00	0.04	0.96
1001	0.10	0.12	0.0	229,230,0	0.14	1.01e-03	0.01204,234,230		0.29	204	0.85	0.06	0.94
	0.01	0.01	0.0	235,232,0	0.14	3.57e-03	3.57e-03204,235,235				1.00	0.04	0.96

1002	0.07	0.11	0.0 229,230,0	0.15	1.05e-03	0.01204,232,230	0.30	204	0.85	0.06	0.94
	0.01	9.64e-03	0.0 235,232,0	0.15	2.91e-03	2.91e-03204,235,235			1.00	0.04	0.96
1003	6.34e-04	0.04	0.0 231,52,0	0.13	2.00e-03	4.54e-03204,230,230	0.28	204	0.85	0.06	0.94
	0.01	0.01	0.0 235,232,0	0.13	1.30e-03	1.30e-03204,233,233			1.00	0.04	0.96
1004	6.34e-04	0.04	0.0 231,52,0	0.13	2.00e-03	4.54e-03204,230,230	0.27	204	0.85	0.06	0.94
	7.03e-03	7.17e-03	0.0 235,232,0	0.13	1.30e-03	1.30e-03204,233,233			1.00	0.04	0.96
1005	4.60e-03	0.03	0.0 229,52,0	0.14	1.52e-03	4.50e-03204,230,230	0.28	204	0.85	0.06	0.94
	0.01	0.01	0.0 235,232,0	0.14	8.97e-04	8.97e-04204,235,235			1.00	0.04	0.96
1006	6.98e-03	0.03	0.0 229,230,0	0.14	1.17e-03	4.33e-03204,230,230	0.29	204	0.85	0.06	0.94
	0.01	9.64e-03	0.0 235,232,0	0.14	8.97e-04	8.97e-04204,235,235			1.00	0.04	0.96
1007	3.66e-03	9.59e-03	0.0 211,228,0	0.13	2.61e-03	3.85e-03204,235,228	0.28	204	0.85	0.06	0.94
	9.62e-03	8.92e-03	0.0 235,232,0	0.13	1.30e-03	1.30e-03204,233,233			1.00	0.04	0.96
1008	6.34e-04	9.59e-03	0.0 231,228,0	0.12	2.61e-03	3.37e-03204,235,232	0.27	204	0.85	0.06	0.94
	5.10e-03	5.12e-03	0.0 207,232,0	0.12	1.30e-03	1.30e-03204,233,233			1.00	0.04	0.96
1009	9.37e-03	0.01	0.0 211,208,0	0.13	2.18e-03	4.52e-03208,235,228	0.28	208	0.85	0.06	0.94
	9.62e-03	8.92e-03	0.0 235,232,0	0.13	9.78e-04	9.78e-04208,235,235			1.00	0.04	0.96
1010	0.01	0.01	0.0 211,208,0	0.13	1.73e-03	4.64e-03209,235,228	0.28	209	0.85	0.06	0.94
	0.01	8.31e-03	0.0 211,208,0	0.13	9.78e-04	9.78e-04209,235,235			1.00	0.04	0.96
1011	0.12	0.11	0.0 211,208,0	0.13	3.57e-03	0.01204,235,208	0.28	204	0.85	0.06	0.94
	8.96e-03	7.57e-03	0.0 207,204,0	0.13	1.17e-03	1.17e-03204,233,233			1.00	0.04	0.96
1012	0.12	0.11	0.0 211,208,0	0.12	3.57e-03	0.01204,235,208	0.27	204	0.85	0.06	0.94
	5.10e-03	4.85e-03	0.0 207,204,0	0.12	1.17e-03	1.17e-03204,233,233			1.00	0.04	0.96
1013	0.09	0.08	0.0 206,205,0	0.13	3.08e-03	1.00e-02208,235,229	0.28	208	0.85	0.06	0.94
	8.96e-03	7.57e-03	0.0 207,204,0	0.13	9.78e-04	9.78e-04208,235,235			1.00	0.04	0.96
1014	0.06	0.05	0.0 206,205,0	0.13	2.49e-03	7.76e-03208,235,229	0.28	208	0.85	0.06	0.94
	0.02	0.01	0.0 206,205,0	0.13	9.78e-04	9.78e-04208,235,235			1.00	0.04	0.96
1015	0.12	0.11	0.0 211,208,0	0.11	3.57e-03	0.01204,235,208	0.25	204	0.85	0.06	0.94
	5.83e-03	4.49e-03	0.0 207,204,0	0.11	8.60e-04	8.60e-04204,233,233			1.00	0.04	0.96
1016	0.12	0.11	0.0 211,208,0	0.11	3.57e-03	0.01204,235,208	0.25	204	0.85	0.06	0.94
	2.69e-03	2.45e-03	0.0 207,204,0	0.11	8.60e-04	8.60e-04204,233,233			1.00	0.04	0.96
1017	0.09	0.08	0.0 206,205,0	0.09	3.08e-03	1.00e-02204,235,229	0.23	204	0.85	0.06	0.94
	5.83e-03	4.49e-03	0.0 207,204,0	0.09	5.43e-04	5.43e-04204,235,235			1.00	0.04	0.96
1018	0.06	0.05	0.0 206,205,0	0.08	2.49e-03	7.76e-03208,235,229	0.21	208	0.85	0.06	0.94
	0.02	0.01	0.0 206,205,0	0.08	5.43e-04	5.43e-04208,235,235			1.00	0.04	0.96
1019	0.04	0.09	0.0 229,230,0	0.15	1.19e-03	0.01204,232,230	0.30	204	0.85	0.06	0.94
	0.03	0.02	0.0 209,210,0	0.15	2.46e-03	2.46e-03204,235,235			1.00	0.04	0.96
1020	0.02	0.07	0.0 229,230,0	0.14	1.19e-03	8.26e-03204,232,230	0.29	204	0.85	0.06	0.94
	0.03	0.03	0.0 209,210,0	0.14	2.10e-03	2.10e-03204,229,229			1.00	0.04	0.96
1021	7.55e-03	0.02	0.0 229,230,0	0.14	8.08e-04	4.24e-03204,230,230	0.29	204	0.85	0.06	0.94
	0.04	0.03	0.0 209,210,0	0.14	1.07e-03	1.07e-03204,229,229			1.00	0.04	0.96
1022	7.79e-03	0.02	0.0 229,230,0	0.13	6.98e-04	3.26e-03204,234,234	0.28	204	0.85	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.13	1.07e-03	1.07e-03204,229,229			1.00	0.04	0.96
1023	0.02	0.02	0.0 207,204,0	0.13	1.19e-03	4.64e-03209,235,228	0.28	209	0.85	0.06	0.94
	0.07	0.05	0.0 209,210,0	0.13	1.38e-03	1.38e-03209,231,231			1.00	0.04	0.96
1024	0.02	0.02	0.0 207,204,0	0.13	1.07e-03	4.07e-03210,229,229	0.27	210	0.85	0.06	0.94
	0.08	0.06	0.0 209,210,0	0.13	1.38e-03	1.38e-03210,231,231			1.00	0.04	0.96
1025	0.03	0.03	0.0 211,208,0	0.13	1.81e-03	7.06e-03210,235,231	0.27	210	0.85	0.06	0.94
	0.08	0.06	0.0 209,210,0	0.13	1.86e-03	1.86e-03210,228,228			1.00	0.04	0.96
1026	0.03	0.02	0.0 228,231,0	0.13	4.25e-03	8.43e-03210,231,231	0.27	210	0.85	0.06	0.94
	0.10	0.07	0.0 209,210,0	0.13	1.86e-03	1.86e-03210,228,228			1.00	0.04	0.96
1027	0.03	0.03	0.0 211,208,0	0.09	1.81e-03	7.06e-03210,235,231	0.23	210	0.85	0.06	0.94
	0.08	0.06	0.0 209,210,0	0.09	1.86e-03	1.86e-03210,228,228			1.00	0.04	0.96
1028	0.03	0.02	0.0 228,231,0	0.09	4.25e-03	8.43e-03210,231,231	0.23	210	0.85	0.06	0.94
	0.10	0.07	0.0 209,210,0	0.09	1.86e-03	1.86e-03210,228,228			1.00	0.04	0.96
1029	7.79e-03	0.07	0.0 229,52,0	0.10	2.02e-03	8.07e-03204,209,52	0.25	204	0.85	0.06	0.94
	0.03	0.03	0.0 209,210,0	0.10	1.60e-03	1.60e-03204,211,211			1.00	0.04	0.96
1030	7.44e-03	0.17	0.0 233,52,0	0.14	6.56e-03	0.02204,207,207	0.29	204	0.85	0.06	0.94
	7.34e-03	0.01	0.0 210,52,0	0.14	3.16e-03	3.16e-03204,235,235			1.00	0.04	0.96
1031	2.36e-03	7.39e-03	0.0 229,230,0	0.09	1.91e-03	2.67e-03204,230,230	0.23	204	0.85	0.06	0.94
	7.34e-03	9.90e-03	0.0 210,209,0	0.09	3.16e-03	3.16e-03204,235,235			1.00	0.04	0.96
1032	7.79e-03	0.02	0.0 229,230,0	0.08	1.62e-03	3.26e-03204,230,234	0.22	204	0.85	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.08	7.72e-04	7.72e-04204,235,235			1.00	0.04	0.96
1033	7.44e-03	0.02	0.0 233,234,0	0.07	2.60e-03	3.21e-03204,228,230	0.20	204	0.85	0.06	0.94
	3.13e-03	0.01	0.0 210,52,0	0.07	3.23e-03	3.23e-03204,207,207			1.00	0.04	0.96
1034	2.36e-03	3.57e-03	0.0 229,230,0	0.07	2.60e-03	3.15e-03204,228,232	0.20	204	0.85	0.06	0.94
	3.13e-03	8.77e-03	0.0 210,209,0	0.07	3.23e-03	3.23e-03204,207,207			1.00	0.04	0.96
1035	0.01	0.01	0.0 211,208,0	0.07	2.32e-03	4.52e-03209,231,231	0.20	209	0.85	0.06	0.94
	0.08	0.06	0.0 209,210,0	0.07	1.00e-03	1.00e-03209,211,211			1.00	0.04	0.96
1036	9.01e-03	8.24e-03	0.0 211,208,0	0.06	3.43e-03	4.52e-03211,232,231	0.19	211	0.85	0.06	0.94
	3.17e-03	0.01	0.0 230,52,0	0.06	3.23e-03	3.23e-03211,207,207			1.00	0.04	0.96
1037	2.90e-03	2.51e-03	0.0 230,229,0	0.06	3.43e-03	4.11e-03211,232,235	0.19	211	0.85	0.06	0.94
	3.17e-03	5.75e-03	0.0 230,209,0	0.06	3.23e-03	3.23e-03211,207,207			1.00	0.04	0.96
1038	0.02	0.02	0.0 220,223,0	0.06	4.28e-03	8.43e-03210,231,231	0.19	210	0.85	0.06	0.94
	0.10	0.07	0.0 209,210,0	0.06	1.42e-03	1.42e-03210,228,228			1.00	0.04	0.96
1039	9.01e-03	8.24e-03	0.0 211,208,0	0.05	4.30e-03	6.86e-03210,235,231	0.18	210	0.85	0.06	0.94

	3.17e-03	8.98e-03	0.0	230,52,0	0.05	2.01e-03	2.01e-03210,219,219			1.00	0.04	0.96
1040	2.90e-03	2.51e-03	0.0	230,229,0	0.05	4.30e-03	5.08e-03210,235,235	0.18	210	0.85	0.06	0.94
	3.17e-03	5.09e-03	0.0	230,209,0	0.05	2.01e-03	2.01e-03210,219,219			1.00	0.04	0.96
1041	0.02	0.02	0.0	220,223,0	0.04	4.28e-03	8.43e-03210,231,231	0.14	210	0.85	0.06	0.94
	0.10	0.07	0.0	209,210,0	0.04	1.42e-03	1.42e-03210,228,228			1.00	0.04	0.96
1042	7.61e-03	7.28e-03	0.0	208,211,0	0.04	4.30e-03	6.86e-03210,235,231	0.15	210	0.85	0.06	0.94
	2.43e-03	7.16e-03	0.0	230,204,0	0.04	2.01e-03	2.01e-03210,219,219			1.00	0.04	0.96
1043	2.30e-03	2.10e-03	0.0	229,230,0	0.04	4.30e-03	5.08e-03210,235,235	0.15	210	0.85	0.06	0.94
	2.43e-03	3.77e-03	0.0	230,229,0	0.04	2.01e-03	2.01e-03210,219,219			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.13	0.17	0.0		0.15	6.56e-03	0.02		0.30			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
32	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.52	190.6	172	0.35	-128.7	178	0.76	-5051.4	3.977e+06	207

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1044	0.11	0.10	0.0	208,211,0	0.10	2.83e-03	0.01209,235,211		0.25	209	0.85	0.06	0.94
	2.91e-03	2.06e-03	0.0	209,210,0	0.10	1.27e-03	1.27e-03209,219,219				1.00	0.04	0.96
1045	0.11	0.10	0.0	208,211,0	0.10	2.83e-03	0.01209,235,211		0.25	209	0.85	0.06	0.94
	5.28e-03	3.64e-03	0.0	209,207,0	0.10	1.27e-03	1.27e-03209,219,219				1.00	0.04	0.96
1046	0.11	0.10	0.0	208,211,0	0.12	2.83e-03	0.01209,235,211		0.27	209	0.85	0.06	0.94
	8.72e-03	6.03e-03	0.0	209,210,0	0.12	1.29e-03	1.29e-03209,219,219				1.00	0.04	0.96
1047	0.11	0.10	0.0	208,211,0	0.12	2.83e-03	0.01209,235,211		0.26	209	0.85	0.06	0.94
	5.42e-03	3.87e-03	0.0	209,210,0	0.12	1.29e-03	1.29e-03209,219,219				1.00	0.04	0.96
1048	0.08	0.08	0.0	204,207,0	0.09	2.46e-03	9.59e-03209,235,211		0.23	209	0.85	0.06	0.94
	5.28e-03	3.64e-03	0.0	209,207,0	0.09	2.90e-04	2.90e-04209,216,216				1.00	0.04	0.96
1049	0.08	0.08	0.0	204,207,0	0.13	2.46e-03	9.59e-03209,235,211		0.27	209	0.85	0.06	0.94
	8.72e-03	6.03e-03	0.0	209,210,0	0.13	3.76e-04	3.76e-04209,235,235				1.00	0.04	0.96
1050	0.06	0.05	0.0	204,207,0	0.08	2.11e-03	7.39e-03209,235,231		0.21	209	0.85	0.06	0.94
	0.02	0.01	0.0	204,207,0	0.08	4.14e-04	4.14e-04209,234,234				1.00	0.04	0.96
1051	0.06	0.05	0.0	204,207,0	0.13	2.11e-03	7.39e-03209,235,231		0.27	209	0.85	0.06	0.94
	0.02	0.01	0.0	204,207,0	0.13	6.30e-04	6.30e-04209,231,231				1.00	0.04	0.96
1052	3.12e-03	6.31e-03	0.0	209,210,0	0.12	2.11e-03	3.17e-03209,230,230		0.27	209	0.85	0.06	0.94
	8.72e-03	6.03e-03	0.0	209,210,0	0.12	1.29e-03	1.29e-03209,219,219				1.00	0.04	0.96
1053	8.70e-04	5.31e-03	0.0	209,210,0	0.12	2.11e-03	2.68e-03209,230,229		0.26	209	0.85	0.06	0.94
	5.42e-03	3.87e-03	0.0	209,210,0	0.12	1.29e-03	1.29e-03209,219,219				1.00	0.04	0.96
1054	7.23e-03	9.02e-03	0.0	228,210,0	0.13	1.76e-03	3.31e-03209,230,230		0.27	209	0.85	0.06	0.94
	8.72e-03	6.03e-03	0.0	209,210,0	0.13	5.71e-04	5.71e-04209,235,235				1.00	0.04	0.96
1055	0.01	0.01	0.0	228,210,0	0.13	1.47e-03	3.35e-03209,230,233		0.27	209	0.85	0.06	0.94
	9.36e-03	6.82e-03	0.0	204,207,0	0.13	6.30e-04	6.30e-04209,231,231				1.00	0.04	0.96
1056	9.37e-04	7.70e-03	0.0	229,52,0	0.12	1.69e-03	2.46e-03210,230,230		0.27	210	0.85	0.06	0.94
	6.25e-03	4.52e-03	0.0	209,210,0	0.12	1.24e-03	1.24e-03210,219,219				1.00	0.04	0.96
1057	8.70e-04	7.70e-03	0.0	209,52,0	0.12	1.69e-03	2.41e-03209,230,230		0.26	209	0.85	0.06	0.94
	3.77e-03	2.94e-03	0.0	209,210,0	0.12	1.24e-03	1.24e-03209,219,219				1.00	0.04	0.96
1058	1.32e-03	7.35e-03	0.0	228,52,0	0.12	1.29e-03	2.46e-03210,230,230		0.27	210	0.85	0.06	0.94
	6.25e-03	4.52e-03	0.0	209,210,0	0.12	1.38e-03	1.38e-03210,235,235				1.00	0.04	0.96
1059	2.38e-03	6.87e-03	0.0	230,52,0	0.13	1.01e-03	2.45e-03210,230,230		0.27	210	0.85	0.06	0.94
	4.97e-03	4.15e-03	0.0	208,231,0	0.13	1.66e-03	1.66e-03210,235,235				1.00	0.04	0.96
1060	0.0	0.03	0.0	0,52,0	0.12	1.43e-03	3.31e-03210,230,52		0.27	210	0.0	0.0	0.0
	5.93e-03	3.76e-03	0.0	229,231,0	0.12	2.29e-03	2.29e-03210,235,235				1.00	0.04	0.96
1061	0.0	0.03	0.0	0,52,0	0.12	1.43e-03	3.31e-03210,230,52		0.26	210	0.0	0.0	0.0
	2.55e-03	2.12e-03	0.0	229,210,0	0.12	1.15e-03	1.15e-03210,216,216				1.00	0.04	0.96
1062	0.0	0.03	0.0	0,52,0	0.13	8.29e-04	3.26e-03 210,234,4		0.27	210	0.0	0.0	0.0
	8.53e-03	6.98e-03	0.0	228,231,0	0.13	3.15e-03	3.15e-03210,235,235				1.00	0.04	0.96
1063	0.0	0.02	0.0	0,52,0	0.13	5.91e-04	3.13e-03 210,230,4		0.28	210	0.0	0.0	0.0
	0.01	8.33e-03	0.0	231,231,0	0.13	3.54e-03	3.54e-03210,235,235				1.00	0.04	0.96
1064	0.01	0.11	0.0	235,52,0	0.13	1.43e-03	0.01210,230,52		0.28	210	0.85	0.06	0.94
	0.02	0.01	0.0	232,235,0	0.13	5.17e-03	5.17e-03210,235,235				1.00	0.04	0.96
1065	0.01	0.11	0.0	235,52,0	0.12	1.43e-03	0.01210,230,52		0.27	210	0.85	0.06	0.94
	9.27e-03	4.16e-03	0.0	232,235,0	0.12	2.53e-03	2.53e-03210,225,225				1.00	0.04	0.96
1066	4.98e-03	0.11	0.0	235,52,0	0.14	8.81e-04	0.01 210,18,52		0.29	210	0.85	0.06	0.94
	0.02	0.01	0.0	228,231,0	0.14	5.49e-03	5.49e-03210,235,235				1.00	0.04	0.96
1067	0.0	0.10	0.0	0,52,0	0.15	6.63e-04	0.01 210,18,52		0.30	210	0.0	0.0	0.0
	0.02	0.02	0.0	235,235,0	0.15	5.50e-03	5.50e-03210,231,231				1.00	0.04	0.96

1068	0.01	0.11	0.0	235,52,0	0.14	1.20e-03	0.01204,231,52	0.29	204	0.85	0.06	0.94
	0.02	0.01	0.0	232,235,0	0.14	5.17e-03	5.17e-03204,235,235			1.00	0.04	0.96
1069	0.01	0.11	0.0	235,52,0	0.13	1.20e-03	0.01204,231,52	0.27	204	0.85	0.06	0.94
	9.27e-03	4.16e-03	0.0	232,235,0	0.13	2.53e-03	2.53e-03204,225,225			1.00	0.04	0.96
1070	6.08e-03	0.11	0.0	235,52,0	0.16	8.81e-04	0.01204,18,52	0.31	204	0.85	0.06	0.94
	0.02	0.01	0.0	228,231,0	0.16	5.49e-03	5.49e-03204,235,235			1.00	0.04	0.96
1071	0.0	0.10	0.0	0,52,0	0.17	6.63e-04	0.01204,18,52	0.32	204	0.0	0.0	0.0
	0.02	0.02	0.0	235,235,0	0.17	5.50e-03	5.50e-03204,231,231			1.00	0.04	0.96
1072	0.03	0.03	0.0	204,207,0	0.09	1.77e-03	5.88e-03208,235,231	0.24	208	0.85	0.06	0.94
	0.09	0.06	0.0	207,204,0	0.09	1.87e-03	1.87e-03208,230,230			1.00	0.04	0.96
1073	0.03	0.03	0.0	204,207,0	0.13	1.77e-03	5.88e-03208,235,231	0.28	208	0.85	0.06	0.94
	0.09	0.06	0.0	207,204,0	0.13	1.87e-03	1.87e-03208,230,230			1.00	0.04	0.96
1074	0.02	0.02	0.0	230,229,0	0.09	2.71e-03	6.99e-03208,233,229	0.24	208	0.85	0.06	0.94
	0.11	0.08	0.0	207,204,0	0.09	1.87e-03	1.87e-03208,230,230			1.00	0.04	0.96
1075	0.02	0.02	0.0	230,229,0	0.13	2.71e-03	6.99e-03208,233,229	0.28	208	0.85	0.06	0.94
	0.11	0.08	0.0	207,204,0	0.13	1.87e-03	1.87e-03208,230,230			1.00	0.04	0.96
1076	0.01	0.01	0.0	228,207,0	0.13	1.06e-03	3.35e-03208,230,233	0.28	208	0.85	0.06	0.94
	0.07	0.05	0.0	207,204,0	0.13	6.30e-04	6.30e-04208,231,231			1.00	0.04	0.96
1077	0.01	0.01	0.0	228,207,0	0.13	8.02e-04	3.25e-03208,232,231	0.28	208	0.85	0.06	0.94
	0.09	0.06	0.0	207,204,0	0.13	3.26e-04	3.26e-04208,227,227			1.00	0.04	0.96
1078	3.61e-03	6.13e-03	0.0	230,52,0	0.13	7.01e-04	2.38e-03210,230,230	0.27	210	0.85	0.06	0.94
	0.05	0.04	0.0	211,208,0	0.13	1.66e-03	1.66e-03210,235,235			1.00	0.04	0.96
1079	3.61e-03	5.06e-03	0.0	230,52,0	0.12	5.78e-04	2.23e-03204,230,230	0.27	204	0.85	0.06	0.94
	0.06	0.05	0.0	207,204,0	0.12	1.46e-03	1.46e-03204,235,235			1.00	0.04	0.96
1080	0.0	0.02	0.0	0,52,0	0.13	6.42e-04	2.87e-03210,229,230	0.28	210	0.0	0.0	0.0
	0.04	0.03	0.0	207,204,0	0.13	3.54e-03	3.54e-03210,235,235			1.00	0.04	0.96
1081	7.69e-04	0.02	0.0	230,52,0	0.12	6.42e-04	2.66e-03210,229,230	0.27	210	0.85	0.06	0.94
	0.04	0.03	0.0	207,204,0	0.12	3.31e-03	3.31e-03210,235,235			1.00	0.04	0.96
1082	0.0	0.10	0.0	0,52,0	0.15	6.42e-04	0.01210,229,52	0.30	210	0.0	0.0	0.0
	0.03	0.02	0.0	231,208,0	0.15	5.50e-03	5.50e-03210,231,231			1.00	0.04	0.96
1083	0.0	0.10	0.0	0,52,0	0.15	6.42e-04	0.01210,229,52	0.30	210	0.0	0.0	0.0
	0.03	0.02	0.0	207,204,0	0.15	5.31e-03	5.31e-03210,231,231			1.00	0.04	0.96
1084	0.0	0.10	0.0	0,52,0	0.17	6.41e-04	0.01204,232,52	0.32	204	0.0	0.0	0.0
	0.03	0.02	0.0	229,235,0	0.17	5.50e-03	5.50e-03204,231,231			1.00	0.04	0.96
1085	0.0	0.10	0.0	0,52,0	0.17	6.41e-04	0.01204,229,52	0.32	204	0.0	0.0	0.0
	0.03	0.01	0.0	229,211,0	0.17	5.31e-03	5.31e-03204,231,231			1.00	0.04	0.96
1086	0.02	0.02	0.0	230,229,0	0.03	3.02e-03	6.99e-03209,229,229	0.14	209	0.85	0.06	0.94
	0.11	0.08	0.0	207,204,0	0.03	1.74e-03	1.74e-03209,230,230			1.00	0.04	0.96
1087	0.02	0.02	0.0	230,229,0	0.06	3.02e-03	6.99e-03209,229,229	0.19	209	0.85	0.06	0.94
	0.11	0.08	0.0	207,204,0	0.06	1.74e-03	1.74e-03209,230,230			1.00	0.04	0.96
1088	0.01	0.01	0.0	230,229,0	0.04	3.61e-03	5.68e-03209,229,229	0.15	209	0.85	0.06	0.94
	9.81e-04	3.79e-03	0.0	207,204,0	0.04	1.07e-03	1.07e-03209,233,233			1.00	0.04	0.96
1089	0.01	0.01	0.0	230,229,0	0.05	3.61e-03	5.68e-03210,229,229	0.18	210	0.85	0.06	0.94
	8.05e-03	8.31e-03	0.0	207,204,0	0.05	1.07e-03	1.07e-03210,233,233			1.00	0.04	0.96
1090	2.76e-03	2.66e-03	0.0	222,221,0	0.04	3.61e-03	4.37e-03209,229,229	0.15	209	0.85	0.06	0.94
	2.53e-04	1.15e-03	0.0	224,227,0	0.04	1.07e-03	1.07e-03209,233,233			1.00	0.04	0.96
1091	2.76e-03	2.66e-03	0.0	222,221,0	0.05	3.61e-03	4.37e-03210,229,229	0.18	210	0.85	0.06	0.94
	1.32e-03	1.62e-03	0.0	208,211,0	0.05	1.07e-03	1.07e-03210,233,233			1.00	0.04	0.96
1092	0.01	0.01	0.0	228,207,0	0.07	2.05e-03	3.63e-03210,230,229	0.21	210	0.85	0.06	0.94
	0.09	0.06	0.0	207,204,0	0.07	7.38e-04	7.38e-04210,234,234			1.00	0.04	0.96
1093	7.16e-03	6.47e-03	0.0	228,210,0	0.06	3.08e-03	3.81e-03210,230,230	0.19	210	0.85	0.06	0.94
	9.45e-03	9.14e-03	0.0	207,204,0	0.06	9.75e-04	9.75e-04210,213,213			1.00	0.04	0.96
1094	2.58e-03	2.43e-03	0.0	209,210,0	0.06	3.08e-03	3.81e-03210,230,230	0.19	210	0.85	0.06	0.94
	1.84e-03	1.74e-03	0.0	209,210,0	0.06	9.75e-04	9.75e-04210,213,213			1.00	0.04	0.96
1095	3.45e-03	4.14e-03	0.0	230,230,0	0.08	1.31e-03	2.60e-03210,230,230	0.21	210	0.85	0.06	0.94
	0.06	0.05	0.0	207,204,0	0.08	1.07e-03	1.07e-03210,227,227			1.00	0.04	0.96
1096	2.80e-03	3.12e-03	0.0	230,230,0	0.06	2.39e-03	2.91e-03210,230,230	0.19	210	0.85	0.06	0.94
	9.66e-03	9.14e-03	0.0	207,204,0	0.06	1.53e-03	1.53e-03210,210,210			1.00	0.04	0.96
1097	1.12e-03	1.87e-03	0.0	229,52,0	0.06	2.39e-03	2.91e-03210,230,230	0.19	210	0.85	0.06	0.94
	2.52e-03	1.74e-03	0.0	229,210,0	0.06	1.53e-03	1.53e-03210,210,210			1.00	0.04	0.96
1098	1.45e-03	0.01	0.0	230,52,0	0.09	8.21e-04	2.25e-03210,230,4	0.22	210	0.85	0.06	0.94
	0.04	0.03	0.0	207,204,0	0.09	2.55e-03	2.55e-03210,235,235			1.00	0.04	0.96
1099	1.45e-03	0.01	0.0	230,52,0	0.07	1.81e-03	2.45e-03210,230,230	0.21	210	0.85	0.06	0.94
	9.66e-03	8.74e-03	0.0	207,204,0	0.07	1.72e-03	1.72e-03210,214,214			1.00	0.04	0.96
1100	7.38e-04	0.01	0.0	230,52,0	0.07	1.81e-03	2.45e-03210,230,230	0.21	210	0.85	0.06	0.94
	2.67e-03	3.25e-03	0.0	212,215,0	0.07	1.72e-03	1.72e-03210,214,214			1.00	0.04	0.96
1101	0.0	0.10	0.0	0,52,0	0.12	1.23e-03	0.01210,18,52	0.27	210	0.0	0.0	0.0
	0.03	0.02	0.0	207,204,0	0.12	4.67e-03	4.67e-03210,231,231			1.00	0.04	0.96
1102	0.0	0.10	0.0	0,52,0	0.14	1.38e-03	0.01210,230,52	0.29	210	0.0	0.0	0.0
	0.01	7.92e-03	0.0	223,230,0	0.14	4.16e-03	4.16e-03210,234,234			1.00	0.04	0.96
1103	0.0	0.08	0.0	0,52,0	0.14	1.38e-03	8.86e-03210,230,52	0.29	210	0.0	0.0	0.0
	5.83e-03	7.92e-03	0.0	229,230,0	0.14	4.16e-03	4.16e-03210,234,234			1.00	0.04	0.96
1104	0.0	0.10	0.0	0,52,0	0.14	1.23e-03	0.01204,18,52	0.29	204	0.0	0.0	0.0
	0.02	0.01	0.0	229,207,0	0.14	4.67e-03	4.67e-03204,231,231			1.00	0.04	0.96
1105	0.0	0.10	0.0	0,52,0	0.16	1.23e-03	0.01204,18,52	0.31	204	0.0	0.0	0.0

	0.01	7.92e-03	0.0	223,230,0	0.16	4.16e-03	4.16e-03204,234,234			1.00	0.04	0.96
1106	0.0	0.08	0.0	0,52,0	0.16	8.99e-04	8.86e-03204,227,52	0.31	204	0.0	0.0	0.0
	7.30e-03	7.92e-03	0.0	210,230,0	0.16	4.16e-03	4.16e-03204,234,234			1.00	0.04	0.96
1119	0.01	0.11	0.0	235,52,0	0.14	1.38e-03	0.01204,230,232	0.29	204	0.85	0.06	0.94
	0.02	0.01	0.0	232,235,0	0.14	4.83e-03	4.83e-03204,235,235			1.00	0.04	0.96
1120	0.01	0.11	0.0	235,52,0	0.13	1.38e-03	0.01204,230,232	0.27	204	0.85	0.06	0.94
	8.78e-03	4.02e-03	0.0	232,235,0	0.13	2.08e-03	2.08e-03204,235,235			1.00	0.04	0.96
1121	6.08e-03	0.10	0.0	235,52,0	0.16	8.67e-04	0.01 204,18,52	0.31	204	0.85	0.06	0.94
	0.02	0.01	0.0	232,235,0	0.16	5.36e-03	5.36e-03204,231,231			1.00	0.04	0.96
1122	0.0	0.10	0.0	0,52,0	0.17	6.57e-04	0.01 204,18,52	0.32	204	0.0	0.0	0.0
	0.02	0.02	0.0	231,235,0	0.17	5.36e-03	5.36e-03204,231,231			1.00	0.04	0.96
1123	0.0	0.02	0.0	0,52,0	0.12	1.38e-03	2.83e-03209,230,52	0.27	209	0.0	0.0	0.0
	6.15e-03	3.86e-03	0.0	207,204,0	0.12	1.88e-03	1.88e-03209,231,231			1.00	0.04	0.96
1124	0.0	0.02	0.0	0,52,0	0.12	1.38e-03	2.83e-03204,230,52	0.27	204	0.0	0.0	0.0
	3.38e-03	2.64e-03	0.0	207,204,0	0.12	1.08e-03	1.08e-03204,214,214			1.00	0.04	0.96
1125	0.0	0.02	0.0	0,52,0	0.13	8.54e-04	2.80e-03 204,230,4	0.28	204	0.0	0.0	0.0
	7.77e-03	6.01e-03	0.0	231,229,0	0.13	2.89e-03	2.89e-03204,235,235			1.00	0.04	0.96
1126	0.0	0.02	0.0	0,52,0	0.13	6.17e-04	2.69e-03 204,234,4	0.28	204	0.0	0.0	0.0
	9.49e-03	7.59e-03	0.0	231,235,0	0.13	3.21e-03	3.21e-03204,231,231			1.00	0.04	0.96
1127	1.37e-03	6.38e-03	0.0	205,52,0	0.12	1.60e-03	2.35e-03209,232,232	0.27	209	0.85	0.06	0.94
	8.02e-03	5.64e-03	0.0	207,204,0	0.12	1.07e-03	1.07e-03209,213,213			1.00	0.04	0.96
1128	1.37e-03	6.38e-03	0.0	205,52,0	0.12	1.60e-03	2.32e-03204,232,230	0.26	204	0.85	0.06	0.94
	4.95e-03	3.68e-03	0.0	207,204,0	0.12	1.07e-03	1.07e-03204,213,213			1.00	0.04	0.96
1129	5.24e-03	7.48e-03	0.0	210,209,0	0.13	1.28e-03	2.54e-03209,232,220	0.27	209	0.85	0.06	0.94
	8.02e-03	5.64e-03	0.0	207,204,0	0.13	1.22e-03	1.22e-03209,235,235			1.00	0.04	0.96
1130	9.02e-03	1.00e-02	0.0	210,209,0	0.13	1.07e-03	2.75e-03209,232,220	0.27	209	0.85	0.06	0.94
	9.23e-03	6.62e-03	0.0	211,208,0	0.13	1.36e-03	1.36e-03209,235,235			1.00	0.04	0.96
1131	0.11	0.10	0.0	207,204,0	0.12	2.22e-03	0.01209,234,209	0.27	209	0.85	0.06	0.94
	8.02e-03	5.64e-03	0.0	207,204,0	0.12	1.07e-03	1.07e-03209,213,213			1.00	0.04	0.96
1132	0.11	0.10	0.0	207,204,0	0.12	2.22e-03	0.01204,234,209	0.26	204	0.85	0.06	0.94
	4.95e-03	3.68e-03	0.0	207,204,0	0.12	1.07e-03	1.07e-03204,213,213			1.00	0.04	0.96
1133	0.08	0.07	0.0	210,209,0	0.13	1.87e-03	8.93e-03209,234,209	0.27	209	0.85	0.06	0.94
	8.02e-03	5.64e-03	0.0	207,204,0	0.13	4.96e-04	4.96e-04209,231,231			1.00	0.04	0.96
1134	0.05	0.05	0.0	210,209,0	0.13	1.57e-03	6.58e-03209,234,229	0.27	209	0.85	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.13	6.94e-04	6.94e-04209,231,231			1.00	0.04	0.96
1135	0.11	0.10	0.0	207,204,0	0.10	2.22e-03	0.01204,234,209	0.25	204	0.85	0.06	0.94
	5.60e-03	3.90e-03	0.0	207,204,0	0.10	1.05e-03	1.05e-03204,213,213			1.00	0.04	0.96
1136	0.11	0.10	0.0	207,204,0	0.10	2.22e-03	0.01204,234,209	0.25	204	0.85	0.06	0.94
	2.73e-03	2.05e-03	0.0	207,204,0	0.10	1.05e-03	1.05e-03204,213,213			1.00	0.04	0.96
1137	0.08	0.07	0.0	210,209,0	0.09	1.87e-03	8.93e-03209,234,209	0.23	209	0.85	0.06	0.94
	5.60e-03	3.90e-03	0.0	207,204,0	0.09	2.29e-04	2.29e-04209,213,213			1.00	0.04	0.96
1138	0.05	0.05	0.0	210,209,0	0.08	1.57e-03	6.58e-03209,234,229	0.22	209	0.85	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.08	3.50e-04	3.50e-04209,231,231			1.00	0.04	0.96
1139	0.0	0.10	0.0	0,52,0	0.17	6.25e-04	0.01204,232,52	0.32	204	0.0	0.0	0.0
	0.03	0.02	0.0	209,210,0	0.17	5.33e-03	5.33e-03204,231,231			1.00	0.04	0.96
1140	0.0	0.09	0.0	0,52,0	0.17	6.41e-04	0.01204,229,52	0.32	204	0.0	0.0	0.0
	0.03	0.02	0.0	209,210,0	0.17	5.14e-03	5.14e-03204,231,231			1.00	0.04	0.96
1141	6.35e-04	0.02	0.0	228,52,0	0.13	6.24e-04	2.56e-03204,229,230	0.28	204	0.85	0.06	0.94
	0.04	0.03	0.0	209,210,0	0.13	3.21e-03	3.21e-03204,231,231			1.00	0.04	0.96
1142	1.43e-03	0.01	0.0	228,52,0	0.13	6.24e-04	2.39e-03204,229,230	0.27	204	0.85	0.06	0.94
	0.05	0.04	0.0	209,210,0	0.13	2.98e-03	2.98e-03204,231,231			1.00	0.04	0.96
1143	0.01	0.01	0.0	210,209,0	0.13	8.26e-04	2.75e-03209,232,220	0.27	209	0.85	0.06	0.94
	0.07	0.04	0.0	209,210,0	0.13	1.36e-03	1.36e-03209,235,235			1.00	0.04	0.96
1144	0.01	0.01	0.0	210,209,0	0.13	5.75e-04	2.74e-03209,230,220	0.27	209	0.85	0.06	0.94
	0.08	0.05	0.0	209,210,0	0.13	1.11e-03	1.11e-03209,235,235			1.00	0.04	0.96
1145	0.03	0.03	0.0	210,209,0	0.13	1.27e-03	5.11e-03209,234,229	0.27	209	0.85	0.06	0.94
	0.09	0.06	0.0	209,210,0	0.13	1.43e-03	1.43e-03209,232,232			1.00	0.04	0.96
1146	0.02	0.02	0.0	228,231,0	0.13	2.44e-03	5.06e-03209,232,232	0.27	209	0.85	0.06	0.94
	0.11	0.07	0.0	209,210,0	0.13	1.43e-03	1.43e-03209,232,232			1.00	0.04	0.96
1147	0.03	0.03	0.0	210,209,0	0.09	1.27e-03	5.11e-03210,234,229	0.24	210	0.85	0.06	0.94
	0.09	0.06	0.0	209,210,0	0.09	1.43e-03	1.43e-03210,232,232			1.00	0.04	0.96
1148	0.02	0.02	0.0	228,231,0	0.09	2.44e-03	5.06e-03210,232,232	0.24	210	0.85	0.06	0.94
	0.11	0.07	0.0	209,210,0	0.09	1.43e-03	1.43e-03210,232,232			1.00	0.04	0.96
1149	0.0	0.09	0.0	0,52,0	0.14	1.20e-03	0.01 204,18,52	0.29	204	0.0	0.0	0.0
	0.03	0.02	0.0	209,210,0	0.14	4.45e-03	4.45e-03204,231,231			1.00	0.04	0.96
1150	0.0	0.09	0.0	0,52,0	0.16	1.37e-03	0.01204,234,52	0.31	204	0.0	0.0	0.0
	0.01	6.32e-03	0.0	235,223,0	0.16	4.04e-03	4.04e-03204,230,230			1.00	0.04	0.96
1151	0.0	0.08	0.0	0,52,0	0.16	1.37e-03	8.58e-03204,234,52	0.31	204	0.0	0.0	0.0
	7.30e-03	6.08e-03	0.0	210,234,0	0.16	4.04e-03	4.04e-03204,230,230			1.00	0.04	0.96
1152	1.68e-03	0.01	0.0	228,52,0	0.08	8.50e-04	2.19e-03204,230,234	0.22	204	0.85	0.06	0.94
	0.05	0.04	0.0	209,210,0	0.08	2.21e-03	2.21e-03204,231,231			1.00	0.04	0.96
1153	1.68e-03	0.01	0.0	228,52,0	0.07	1.80e-03	2.40e-03204,230,230	0.21	204	0.85	0.06	0.94
	6.92e-03	5.87e-03	0.0	229,230,0	0.07	1.44e-03	1.44e-03204,235,235			1.00	0.04	0.96
1154	8.16e-04	0.01	0.0	234,52,0	0.07	1.80e-03	2.40e-03204,230,230	0.21	204	0.85	0.06	0.94
	4.68e-03	1.72e-03	0.0	223,224,0	0.07	1.12e-03	1.12e-03204,216,216			1.00	0.04	0.96

1155	0.01	0.01	0.0 210,209,0	0.07	1.43e-03	2.71e-03204,230,229	0.21	204	0.85	0.06	0.94
	0.08	0.05	0.0 209,210,0	0.07	8.97e-04	8.97e-04204,235,235			1.00	0.04	0.96
1156	6.25e-03	5.85e-03	0.0 210,209,0	0.06	2.26e-03	2.71e-03209,230,229	0.19	209	0.85	0.06	0.94
	6.92e-03	5.87e-03	0.0 229,230,0	0.06	1.01e-03	1.01e-03209,216,216			1.00	0.04	0.96
1157	1.88e-03	1.85e-03	0.0 230,233,0	0.06	2.26e-03	2.65e-03209,230,228	0.19	209	0.85	0.06	0.94
	4.46e-03	2.81e-03	0.0 207,204,0	0.06	1.01e-03	1.01e-03209,216,216			1.00	0.04	0.96
1158	0.01	0.01	0.0 210,209,0	0.06	2.52e-03	5.06e-03209,232,232	0.19	209	0.85	0.06	0.94
	0.11	0.07	0.0 209,210,0	0.06	1.37e-03	1.37e-03209,228,228			1.00	0.04	0.96
1159	9.17e-03	8.84e-03	0.0 220,223,0	0.06	2.99e-03	4.27e-03210,232,227	0.18	210	0.85	0.06	0.94
	5.58e-03	4.96e-03	0.0 209,210,0	0.06	1.23e-03	1.23e-03210,219,219			1.00	0.04	0.96
1160	1.88e-03	1.83e-03	0.0 230,209,0	0.06	2.99e-03	3.56e-03210,232,232	0.18	210	0.85	0.06	0.94
	4.46e-03	2.81e-03	0.0 207,204,0	0.06	1.23e-03	1.23e-03210,219,219			1.00	0.04	0.96
1161	9.17e-03	8.84e-03	0.0 220,223,0	0.04	2.52e-03	5.06e-03210,232,232	0.15	210	0.85	0.06	0.94
	0.11	0.07	0.0 209,210,0	0.04	1.37e-03	1.37e-03210,228,228			1.00	0.04	0.96
1162	9.17e-03	8.84e-03	0.0 220,223,0	0.04	2.99e-03	4.27e-03210,232,227	0.15	210	0.85	0.06	0.94
	2.59e-03	1.99e-03	0.0 207,220,0	0.04	1.23e-03	1.23e-03210,219,219			1.00	0.04	0.96
1163	1.47e-03	1.65e-03	0.0 229,230,0	0.04	2.99e-03	3.56e-03210,232,232	0.15	210	0.85	0.06	0.94
	2.59e-03	1.65e-03	0.0 207,204,0	0.04	1.23e-03	1.23e-03210,219,219			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.11	0.11	0.0	0.17	5.50e-03	0.01	0.32				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
33	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V		Rif. cmb	V. testa		Azione V		Rif. cmb	V. h-d	Azione N		Azione M	Rif. cmb
ok	0.0	kN		0	0.0		kN		0	0.0	kN		kN m	0
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B	
1028	0.05	0.04	0.0	209,210,0	0.07	2.81e-03	6.79e-03	210,231,230	0.20	210	0.46	0.11	0.89	
	0.04	0.03	0.0	204,207,0	0.07	5.89e-03	5.89e-03	210,231,231			1.00	0.04	0.96	
1041	0.05	0.04	0.0	209,210,0	0.08	2.81e-03	6.79e-03	210,231,230	0.22	210	0.46	0.11	0.89	
	0.04	0.03	0.0	204,207,0	0.08	5.89e-03	5.89e-03	210,231,231			1.00	0.04	0.96	
1042	8.01e-03	7.90e-03	0.0	207,204,0	0.08	4.21e-04	1.16e-03	210,234,209	0.22	210	0.46	0.11	0.89	
	0.03	0.02	0.0	205,206,0	0.08	6.62e-03	6.62e-03	210,229,229			1.00	0.04	0.96	
1043	2.48e-03	2.77e-03	0.0	230,207,0	0.08	8.65e-04	1.01e-03	210,216,209	0.22	210	0.46	0.11	0.89	
	0.02	0.01	0.0	204,207,0	0.08	6.62e-03	6.62e-03	210,229,229			1.00	0.04	0.96	
1074	0.06	0.05	0.0	207,204,0	0.07	2.44e-03	7.13e-03	209,230,228	0.20	209	0.46	0.11	0.89	
	0.04	0.03	0.0	210,209,0	0.07	4.69e-03	4.69e-03	209,229,229			1.00	0.04	0.96	
1086	0.06	0.05	0.0	207,204,0	0.08	2.44e-03	7.13e-03	209,230,228	0.22	209	0.46	0.11	0.89	
	0.04	0.03	0.0	210,209,0	0.08	4.69e-03	4.69e-03	209,229,229			1.00	0.04	0.96	
1088	6.03e-03	5.88e-03	0.0	209,210,0	0.08	4.99e-04	1.14e-03	209,228,211	0.22	209	0.46	0.11	0.89	
	0.03	0.02	0.0	210,209,0	0.08	2.19e-03	2.19e-03	209,235,235			1.00	0.04	0.96	
1090	2.85e-03	3.29e-03	0.0	210,209,0	0.08	6.99e-04	9.71e-04	209,218,214	0.22	209	0.46	0.11	0.89	
	0.02	0.01	0.0	206,208,0	0.08	2.41e-03	2.41e-03	209,231,231			1.00	0.04	0.96	
1107	0.05	0.04	0.0	209,210,0	0.07	2.81e-03	6.79e-03	210,231,230	0.20	210	0.46	0.11	0.89	
	0.04	0.03	0.0	204,207,0	0.07	5.89e-03	5.89e-03	210,231,231			1.00	0.04	0.96	
1108	8.01e-03	7.90e-03	0.0	207,204,0	0.09	8.65e-04	1.65e-03	210,216,230	0.23	210	0.46	0.11	0.89	
	0.03	0.02	0.0	205,206,0	0.09	6.62e-03	6.62e-03	210,229,229			1.00	0.04	0.96	
1109	2.48e-03	1.95e-03	0.0	230,229,0	0.09	8.65e-04	1.01e-03	210,216,209	0.23	210	0.46	0.11	0.89	
	3.38e-03	2.35e-03	0.0	208,211,0	0.09	4.26e-03	4.26e-03	210,231,231			1.00	0.04	0.96	
1110	0.05	0.04	0.0	209,210,0	0.09	2.81e-03	6.79e-03	210,231,230	0.23	210	0.46	0.11	0.89	
	0.04	0.03	0.0	204,207,0	0.09	5.89e-03	5.89e-03	210,231,231			1.00	0.04	0.96	
1111	0.02	0.02	0.0	207,204,0	0.09	6.47e-04	4.71e-03	210,234,228	0.23	210	0.46	0.11	0.89	
	0.01	7.46e-03	0.0	211,208,0	0.09	6.23e-04	6.23e-04	210,230,230			1.00	0.04	0.96	
1112	0.02	0.02	0.0	207,204,0	0.05	6.47e-04	4.71e-03	210,234,228	0.18	210	0.46	0.11	0.89	
	0.01	7.46e-03	0.0	211,208,0	0.05	2.65e-04	2.65e-04	210,219,219			1.00	0.04	0.96	
1113	2.27e-03	3.50e-03	0.0	207,204,0	0.09	5.64e-04	1.68e-03	210,235,228	0.23	210	0.46	0.11	0.89	
	5.42e-03	3.73e-03	0.0	211,208,0	0.09	1.24e-03	1.24e-03	210,228,228			1.00	0.04	0.96	
1114	8.87e-04	1.23e-03	0.0	210,209,0	0.09	3.19e-04	5.15e-04	210,214,233	0.23	210	0.46	0.11	0.89	
	1.63e-03	1.06e-03	0.0	208,211,0	0.09	1.24e-03	1.24e-03	210,228,228			1.00	0.04	0.96	
1115	0.06	0.05	0.0	207,204,0	0.09	2.44e-03	7.13e-03	210,230,228	0.23	210	0.46	0.11	0.89	
	0.04	0.03	0.0	210,209,0	0.09	4.69e-03	4.69e-03	210,229,229			1.00	0.04	0.96	
1116	0.06	0.05	0.0	207,204,0	0.07	2.44e-03	7.13e-03	209,230,228	0.20	209	0.46	0.11	0.89	
	0.04	0.03	0.0	210,209,0	0.07	4.69e-03	4.69e-03	209,229,229			1.00	0.04	0.96	
1117	6.03e-03	5.88e-03	0.0	209,210,0	0.09	6.99e-04	1.68e-03	210,218,228	0.23	210	0.46	0.11	0.89	
	0.03	0.02	0.0	210,209,0	0.09	2.41e-03	2.41e-03	210,231,231			1.00	0.04	0.96	
1118	1.24e-03	1.23e-03	0.0	216,209,0	0.08	6.99e-04	9.71e-04	210,218,214	0.22	210	0.46	0.11	0.89	

2.89e-03 1.97e-03 0.0 231,228,0 0.08 2.41e-03 2.41e-03210,231,231 1.00 0.04 0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.06 0.05 0.0 0.09 6.62e-03 7.13e-03 0.23

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
34	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.51 188.6 177 0.35 129.4 172 0.72 -6046.3 -3.984e+06 209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1164	0.11	0.10	0.0	209,210,0	0.10	2.19e-03	0.01209,224,207	0.25	209	0.85	0.06	0.94	
	2.77e-03	2.03e-03	0.0	209,210,0	0.10	1.04e-03	1.04e-03209,219,219			1.00	0.04	0.96	
1165	0.11	0.10	0.0	209,210,0	0.10	2.19e-03	0.01209,224,207	0.25	209	0.85	0.06	0.94	
	5.63e-03	3.89e-03	0.0	209,210,0	0.10	1.04e-03	1.04e-03209,219,219			1.00	0.04	0.96	
1166	0.11	0.10	0.0	209,210,0	0.12	2.19e-03	0.01209,224,207	0.27	209	0.85	0.06	0.94	
	8.05e-03	5.64e-03	0.0	209,210,0	0.12	1.07e-03	1.07e-03209,219,219			1.00	0.04	0.96	
1167	0.11	0.10	0.0	209,210,0	0.12	2.19e-03	0.01210,224,207	0.26	210	0.85	0.06	0.94	
	4.97e-03	3.66e-03	0.0	209,210,0	0.12	1.07e-03	1.07e-03210,219,219			1.00	0.04	0.96	
1168	0.08	0.07	0.0	204,207,0	0.09	1.85e-03	8.89e-03209,224,207	0.23	209	0.85	0.06	0.94	
	5.63e-03	3.89e-03	0.0	209,210,0	0.09	2.40e-04	2.40e-04209,216,216			1.00	0.04	0.96	
1169	0.08	0.07	0.0	204,207,0	0.13	1.85e-03	8.89e-03209,224,207	0.27	209	0.85	0.06	0.94	
	8.05e-03	5.64e-03	0.0	209,210,0	0.13	4.58e-04	4.58e-04209,229,229			1.00	0.04	0.96	
1170	0.05	0.05	0.0	204,207,0	0.08	1.55e-03	6.57e-03209,224,223	0.22	209	0.85	0.06	0.94	
	0.02	0.01	0.0	204,207,0	0.08	3.52e-04	3.52e-04209,230,230			1.00	0.04	0.96	
1171	0.05	0.05	0.0	204,207,0	0.13	1.55e-03	6.57e-03209,224,223	0.27	209	0.85	0.06	0.94	
	0.02	0.01	0.0	204,207,0	0.13	6.65e-04	6.65e-04209,229,229			1.00	0.04	0.96	
1172	1.48e-03	6.42e-03	0.0	211,52,0	0.12	1.60e-03	2.33e-03209,226,226	0.27	209	0.85	0.06	0.94	
	8.05e-03	5.64e-03	0.0	209,210,0	0.12	1.07e-03	1.07e-03209,219,219			1.00	0.04	0.96	
1173	1.48e-03	6.42e-03	0.0	211,52,0	0.12	1.60e-03	2.29e-03210,226,220	0.26	210	0.85	0.06	0.94	
	4.97e-03	3.66e-03	0.0	209,210,0	0.12	1.07e-03	1.07e-03210,219,219			1.00	0.04	0.96	
1174	5.42e-03	7.59e-03	0.0	204,207,0	0.13	1.28e-03	2.54e-03209,226,230	0.27	209	0.85	0.06	0.94	
	8.05e-03	5.64e-03	0.0	209,210,0	0.13	1.20e-03	1.20e-03209,225,225			1.00	0.04	0.96	
1175	9.23e-03	0.01	0.0	204,207,0	0.13	1.06e-03	2.81e-03209,222,234	0.27	209	0.85	0.06	0.94	
	9.13e-03	6.57e-03	0.0	209,210,0	0.13	1.34e-03	1.34e-03209,225,225			1.00	0.04	0.96	
1176	0.0	0.02	0.0	0,52,0	0.12	1.37e-03	2.88e-03210,220,220	0.27	210	0.0	0.0	0.0	
	6.03e-03	3.77e-03	0.0	209,210,0	0.12	1.91e-03	1.91e-03210,221,221			1.00	0.04	0.96	
1177	0.0	0.02	0.0	0,52,0	0.12	1.37e-03	2.88e-03210,220,220	0.26	210	0.0	0.0	0.0	
	3.34e-03	2.60e-03	0.0	209,210,0	0.12	1.08e-03	1.08e-03210,216,216			1.00	0.04	0.96	
1178	0.0	0.02	0.0	0,52,0	0.13	8.43e-04	2.82e-03210,220,4	0.27	210	0.0	0.0	0.0	
	7.62e-03	6.00e-03	0.0	221,223,0	0.13	2.93e-03	2.93e-03210,221,221			1.00	0.04	0.96	
1179	0.0	0.02	0.0	0,52,0	0.13	5.93e-04	2.71e-03210,224,4	0.28	210	0.0	0.0	0.0	
	9.28e-03	7.44e-03	0.0	221,225,0	0.13	3.25e-03	3.25e-03210,221,221			1.00	0.04	0.96	
1180	0.01	0.11	0.0	225,52,0	0.14	1.37e-03	0.01210,220,226	0.29	210	0.85	0.06	0.94	
	0.02	0.01	0.0	226,225,0	0.14	4.92e-03	4.92e-03210,221,221			1.00	0.04	0.96	
1181	0.01	0.11	0.0	225,52,0	0.13	1.37e-03	0.01210,220,226	0.27	210	0.85	0.06	0.94	
	8.94e-03	4.06e-03	0.0	226,225,0	0.13	2.13e-03	2.13e-03210,225,225			1.00	0.04	0.96	
1182	6.19e-03	0.10	0.0	225,52,0	0.15	8.63e-04	0.01210,18,52	0.30	210	0.85	0.06	0.94	
	0.02	0.01	0.0	226,225,0	0.15	5.47e-03	5.47e-03210,221,221			1.00	0.04	0.96	
1183	0.0	0.10	0.0	0,52,0	0.17	6.53e-04	0.01210,18,52	0.31	210	0.0	0.0	0.0	
	0.02	0.02	0.0	221,225,0	0.17	5.47e-03	5.47e-03210,221,221			1.00	0.04	0.96	
1184	0.01	0.12	0.0	225,52,0	0.14	1.18e-03	0.01210,225,52	0.29	210	0.85	0.06	0.94	
	0.02	0.01	0.0	222,221,0	0.14	5.24e-03	5.24e-03210,221,221			1.00	0.04	0.96	
1185	0.01	0.12	0.0	225,52,0	0.13	1.18e-03	0.01210,225,52	0.27	210	0.85	0.06	0.94	
	9.39e-03	4.18e-03	0.0	226,225,0	0.13	2.52e-03	2.52e-03210,235,235			1.00	0.04	0.96	
1186	6.19e-03	0.11	0.0	225,52,0	0.15	8.77e-04	0.01210,18,52	0.30	210	0.85	0.06	0.94	
	0.02	0.01	0.0	222,221,0	0.15	5.60e-03	5.60e-03210,221,221			1.00	0.04	0.96	
1187	0.0	0.11	0.0	0,52,0	0.17	6.60e-04	0.01210,18,52	0.31	210	0.0	0.0	0.0	
	0.02	0.02	0.0	221,221,0	0.17	5.61e-03	5.61e-03210,221,221			1.00	0.04	0.96	
1188	0.03	0.03	0.0	204,207,0	0.10	1.27e-03	5.09e-03209,227,223	0.24	209	0.85	0.06	0.94	
	0.09	0.06	0.0	207,204,0	0.10	1.40e-03	1.40e-03209,226,226			1.00	0.04	0.96	
1189	0.03	0.03	0.0	204,207,0	0.13	1.27e-03	5.09e-03209,227,223	0.27	209	0.85	0.06	0.94	
	0.09	0.06	0.0	207,204,0	0.13	1.40e-03	1.40e-03209,226,226			1.00	0.04	0.96	
1190	0.02	0.02	0.0	222,221,0	0.10	2.44e-03	5.05e-03209,226,226	0.24	209	0.85	0.06	0.94	
	0.11	0.07	0.0	207,204,0	0.10	1.40e-03	1.40e-03209,226,226			1.00	0.04	0.96	
1191	0.02	0.02	0.0	222,221,0	0.13	2.44e-03	5.05e-03209,226,226	0.27	209	0.85	0.06	0.94	
	0.11	0.07	0.0	207,204,0	0.13	1.40e-03	1.40e-03209,226,226			1.00	0.04	0.96	

1192	0.01	0.01	0.0 209,210,0	0.13	8.12e-04	2.84e-03209,226,230	0.27	209	0.85	0.06	0.94
	0.06	0.04	0.0 211,208,0	0.13	1.34e-03	1.34e-03209,225,225			1.00	0.04	0.96
1193	0.01	0.01	0.0 209,210,0	0.13	5.72e-04	2.84e-03209,222,230	0.27	209	0.85	0.06	0.94
	0.08	0.05	0.0 207,204,0	0.13	1.08e-03	1.08e-03209,225,225			1.00	0.04	0.96
1194	6.54e-04	0.02	0.0 223,52,0	0.13	5.81e-04	2.55e-03210,225,220	0.28	210	0.85	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.13	3.25e-03	3.25e-03210,221,221			1.00	0.04	0.96
1195	1.31e-03	0.02	0.0 226,52,0	0.12	5.81e-04	2.37e-03210,225,226	0.27	210	0.85	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.12	3.01e-03	3.01e-03210,221,221			1.00	0.04	0.96
1196	0.0	0.10	0.0 0,52,0	0.17	6.14e-04	0.01210,226,52	0.31	210	0.0	0.0	0.0
	0.03	0.02	0.0 207,204,0	0.17	5.44e-03	5.44e-03210,221,221			1.00	0.04	0.96
1197	0.0	0.10	0.0 0,52,0	0.17	6.24e-04	0.01210,223,52	0.31	210	0.0	0.0	0.0
	0.03	0.02	0.0 207,204,0	0.17	5.23e-03	5.23e-03210,221,221			1.00	0.04	0.96
1198	0.0	0.10	0.0 0,52,0	0.17	6.28e-04	0.01210,226,52	0.31	210	0.0	0.0	0.0
	0.03	0.02	0.0 223,221,0	0.17	5.61e-03	5.61e-03210,221,221			1.00	0.04	0.96
1199	0.0	0.10	0.0 0,52,0	0.17	6.24e-04	0.01210,223,52	0.31	210	0.0	0.0	0.0
	0.03	0.01	0.0 223,205,0	0.17	5.39e-03	5.39e-03210,221,221			1.00	0.04	0.96
1200	9.40e-03	9.02e-03	0.0 230,229,0	0.04	2.50e-03	5.05e-03209,226,226	0.15	209	0.85	0.06	0.94
	0.11	0.07	0.0 207,204,0	0.04	1.34e-03	1.34e-03209,222,222			1.00	0.04	0.96
1201	0.01	0.01	0.0 204,210,0	0.06	2.50e-03	5.05e-03209,226,226	0.19	209	0.85	0.06	0.94
	0.11	0.07	0.0 207,204,0	0.06	1.34e-03	1.34e-03209,222,222			1.00	0.04	0.96
1202	9.40e-03	9.02e-03	0.0 230,229,0	0.04	2.97e-03	4.33e-03209,226,229	0.15	209	0.85	0.06	0.94
	1.95e-03	2.01e-03	0.0 209,230,0	0.04	1.21e-03	1.21e-03209,213,213			1.00	0.04	0.96
1203	9.40e-03	9.02e-03	0.0 230,229,0	0.06	2.97e-03	4.33e-03209,226,229	0.18	209	0.85	0.06	0.94
	5.30e-03	4.85e-03	0.0 207,220,0	0.06	1.21e-03	1.21e-03209,213,213			1.00	0.04	0.96
1204	1.50e-03	1.66e-03	0.0 223,220,0	0.04	2.97e-03	3.54e-03209,226,226	0.15	209	0.85	0.06	0.94
	1.95e-03	1.41e-03	0.0 209,210,0	0.04	1.21e-03	1.21e-03209,213,213			1.00	0.04	0.96
1205	1.98e-03	1.96e-03	0.0 204,207,0	0.06	2.97e-03	3.54e-03209,226,226	0.18	209	0.85	0.06	0.94
	2.16e-03	1.41e-03	0.0 209,210,0	0.06	1.21e-03	1.21e-03209,213,213			1.00	0.04	0.96
1206	0.01	0.01	0.0 204,210,0	0.07	1.44e-03	2.69e-03210,220,223	0.21	210	0.85	0.06	0.94
	0.08	0.05	0.0 207,204,0	0.07	8.88e-04	8.88e-04210,225,225			1.00	0.04	0.96
1207	6.04e-03	5.58e-03	0.0 220,207,0	0.06	2.25e-03	2.69e-03210,220,223	0.19	210	0.85	0.06	0.94
	6.65e-03	5.85e-03	0.0 223,204,0	0.06	1.00e-03	1.00e-03210,213,213			1.00	0.04	0.96
1208	1.98e-03	1.96e-03	0.0 204,207,0	0.06	2.25e-03	2.61e-03210,220,226	0.19	210	0.85	0.06	0.94
	4.24e-03	1.96e-03	0.0 229,230,0	0.06	1.00e-03	1.00e-03210,213,213			1.00	0.04	0.96
1209	1.61e-03	0.01	0.0 226,52,0	0.08	8.47e-04	2.02e-03210,220,234	0.22	210	0.85	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.08	2.19e-03	2.19e-03210,221,221			1.00	0.04	0.96
1210	1.61e-03	0.01	0.0 226,52,0	0.07	1.80e-03	2.27e-03210,220,220	0.20	210	0.85	0.06	0.94
	6.65e-03	5.85e-03	0.0 223,204,0	0.07	1.37e-03	1.37e-03210,225,225			1.00	0.04	0.96
1211	7.17e-04	0.01	0.0 230,52,0	0.07	1.80e-03	2.27e-03210,220,220	0.20	210	0.85	0.06	0.94
	6.05e-03	2.12e-03	0.0 209,210,0	0.07	1.19e-03	1.19e-03210,214,214			1.00	0.04	0.96
1212	0.0	0.09	0.0 0,52,0	0.13	1.19e-03	0.01 210,18,52	0.28	210	0.0	0.0	0.0
	0.03	0.02	0.0 207,204,0	0.13	4.49e-03	4.49e-03210,221,221			1.00	0.04	0.96
1213	0.0	0.09	0.0 0,52,0	0.15	1.34e-03	0.01210,220,52	0.30	210	0.0	0.0	0.0
	0.01	5.81e-03	0.0 225,209,0	0.15	3.98e-03	3.98e-03210,220,220			1.00	0.04	0.96
1214	0.0	0.08	0.0 0,52,0	0.15	1.34e-03	8.75e-03210,220,52	0.30	210	0.0	0.0	0.0
	7.72e-03	5.70e-03	0.0 204,222,0	0.15	3.98e-03	3.98e-03210,220,220			1.00	0.04	0.96
1215	0.0	0.10	0.0 0,52,0	0.13	1.22e-03	0.01 210,18,52	0.28	210	0.0	0.0	0.0
	0.02	0.01	0.0 223,205,0	0.13	4.71e-03	4.71e-03210,221,221			1.00	0.04	0.96
1216	0.0	0.10	0.0 0,52,0	0.16	1.22e-03	0.01 204,18,52	0.31	204	0.0	0.0	0.0
	0.01	7.23e-03	0.0 229,220,0	0.16	3.98e-03	3.98e-03204,220,220			1.00	0.04	0.96
1217	0.0	0.08	0.0 0,52,0	0.16	9.22e-04	9.04e-03204,233,52	0.31	204	0.0	0.0	0.0
	7.72e-03	7.23e-03	0.0 204,220,0	0.16	3.98e-03	3.98e-03204,220,220			1.00	0.04	0.96
1230	0.01	0.12	0.0 225,52,0	0.14	1.44e-03	0.01204,220,52	0.28	204	0.85	0.06	0.94
	0.02	0.01	0.0 222,221,0	0.14	5.24e-03	5.24e-03204,221,221			1.00	0.04	0.96
1231	0.01	0.12	0.0 225,52,0	0.12	1.44e-03	0.01204,220,52	0.27	204	0.85	0.06	0.94
	9.39e-03	4.18e-03	0.0 226,225,0	0.12	2.52e-03	2.52e-03204,235,235			1.00	0.04	0.96
1232	5.45e-03	0.11	0.0 225,52,0	0.15	8.77e-04	0.01 204,18,52	0.29	204	0.85	0.06	0.94
	0.02	0.01	0.0 222,221,0	0.15	5.60e-03	5.60e-03204,221,221			1.00	0.04	0.96
1233	0.0	0.11	0.0 0,52,0	0.16	6.60e-04	0.01 204,18,52	0.31	204	0.0	0.0	0.0
	0.02	0.02	0.0 221,221,0	0.16	5.61e-03	5.61e-03204,221,221			1.00	0.04	0.96
1234	0.0	0.03	0.0 0,52,0	0.12	1.44e-03	3.34e-03204,220,52	0.27	204	0.0	0.0	0.0
	5.87e-03	3.65e-03	0.0 223,221,0	0.12	2.32e-03	2.32e-03204,221,221			1.00	0.04	0.96
1235	0.0	0.03	0.0 0,52,0	0.12	1.44e-03	3.34e-03209,220,52	0.27	209	0.0	0.0	0.0
	2.50e-03	2.08e-03	0.0 223,204,0	0.12	1.14e-03	1.14e-03209,214,214			1.00	0.04	0.96
1236	0.0	0.03	0.0 0,52,0	0.13	8.38e-04	3.28e-03204,220,52	0.28	204	0.0	0.0	0.0
	8.40e-03	6.80e-03	0.0 222,221,0	0.13	3.20e-03	3.20e-03204,221,221			1.00	0.04	0.96
1237	0.0	0.02	0.0 0,52,0	0.13	5.63e-04	3.15e-03 204,220,4	0.28	204	0.0	0.0	0.0
	0.01	8.13e-03	0.0 221,221,0	0.13	3.59e-03	3.59e-03204,221,221			1.00	0.04	0.96
1238	1.02e-03	7.77e-03	0.0 207,52,0	0.12	1.75e-03	2.51e-03208,220,220	0.27	204	0.85	0.06	0.94
	6.11e-03	4.43e-03	0.0 207,204,0	0.12	1.24e-03	1.24e-03204,213,213			1.00	0.04	0.96
1239	1.02e-03	7.77e-03	0.0 207,52,0	0.12	1.75e-03	2.48e-03204,220,220	0.26	204	0.85	0.06	0.94
	3.70e-03	2.91e-03	0.0 207,204,0	0.12	1.24e-03	1.24e-03204,213,213			1.00	0.04	0.96
1240	1.36e-03	7.41e-03	0.0 220,52,0	0.12	1.31e-03	2.51e-03208,220,220	0.27	208	0.85	0.06	0.94
	6.11e-03	4.43e-03	0.0 207,204,0	0.12	1.35e-03	1.35e-03208,225,225			1.00	0.04	0.96
1241	2.42e-03	6.92e-03	0.0 220,52,0	0.13	9.91e-04	2.46e-03208,220,220	0.27	208	0.85	0.06	0.94

	4.50e-03	3.82e-03	0.0 206,221,0	0.13	1.66e-03	1.66e-03208,225,225			1.00	0.04	0.96
1242	3.47e-03	6.63e-03	0.0 207,204,0	0.12	2.19e-03	3.23e-03209,220,220	0.27	209	0.85	0.06	0.94
	8.63e-03	6.00e-03	0.0 207,204,0	0.12	1.29e-03	1.29e-03209,213,213			1.00	0.04	0.96
1243	1.02e-03	5.45e-03	0.0 207,204,0	0.12	2.19e-03	2.78e-03209,220,223	0.26	209	0.85	0.06	0.94
	5.37e-03	3.88e-03	0.0 207,204,0	0.12	1.29e-03	1.29e-03209,213,213			1.00	0.04	0.96
1244	7.37e-03	9.39e-03	0.0 207,204,0	0.13	1.78e-03	3.32e-03209,220,220	0.27	209	0.85	0.06	0.94
	8.63e-03	6.00e-03	0.0 207,204,0	0.13	5.48e-04	5.48e-04209,225,225			1.00	0.04	0.96
1245	0.01	0.01	0.0 207,204,0	0.13	1.44e-03	3.97e-03209,220,220	0.27	209	0.85	0.06	0.94
	9.06e-03	6.61e-03	0.0 210,209,0	0.13	5.33e-04	5.33e-04209,221,221			1.00	0.04	0.96
1246	0.11	0.10	0.0 210,209,0	0.12	2.81e-03	0.01209,225,209	0.27	209	0.85	0.06	0.94
	8.63e-03	6.00e-03	0.0 207,204,0	0.12	1.29e-03	1.29e-03209,213,213			1.00	0.04	0.96
1247	0.11	0.10	0.0 210,209,0	0.12	2.81e-03	0.01209,225,209	0.26	209	0.85	0.06	0.94
	5.37e-03	3.88e-03	0.0 207,204,0	0.12	1.29e-03	1.29e-03209,213,213			1.00	0.04	0.96
1248	0.08	0.08	0.0 210,209,0	0.13	2.43e-03	9.69e-03209,225,205	0.27	209	0.85	0.06	0.94
	8.63e-03	6.00e-03	0.0 207,204,0	0.13	3.41e-04	3.41e-04209,225,225			1.00	0.04	0.96
1249	0.06	0.05	0.0 210,209,0	0.13	2.08e-03	7.30e-03209,225,221	0.27	209	0.85	0.06	0.94
	0.02	0.01	0.0 210,209,0	0.13	5.33e-04	5.33e-04209,221,221			1.00	0.04	0.96
1250	0.11	0.10	0.0 210,209,0	0.10	2.81e-03	0.01209,225,209	0.25	209	0.85	0.06	0.94
	5.33e-03	3.68e-03	0.0 207,204,0	0.10	1.26e-03	1.26e-03209,213,213			1.00	0.04	0.96
1251	0.11	0.10	0.0 210,209,0	0.10	2.81e-03	0.01209,225,209	0.25	209	0.85	0.06	0.94
	2.87e-03	2.08e-03	0.0 207,204,0	0.10	1.26e-03	1.26e-03209,213,213			1.00	0.04	0.96
1252	0.08	0.08	0.0 210,209,0	0.09	2.43e-03	9.69e-03210,225,205	0.23	210	0.85	0.06	0.94
	5.33e-03	3.68e-03	0.0 207,204,0	0.09	2.80e-04	2.80e-04210,214,214			1.00	0.04	0.96
1253	0.06	0.05	0.0 210,209,0	0.08	2.08e-03	7.30e-03210,225,221	0.21	210	0.85	0.06	0.94
	0.02	0.01	0.0 210,209,0	0.08	3.62e-04	3.62e-04210,224,224			1.00	0.04	0.96
1254	0.0	0.10	0.0 0,52,0	0.16	6.28e-04	0.01204,226,52	0.31	204	0.0	0.0	0.0
	0.03	0.02	0.0 221,206,0	0.16	5.61e-03	5.61e-03204,221,221			1.00	0.04	0.96
1255	0.0	0.10	0.0 0,52,0	0.16	6.23e-04	0.01204,225,52	0.31	204	0.0	0.0	0.0
	0.03	0.02	0.0 209,210,0	0.16	5.39e-03	5.39e-03204,221,221			1.00	0.04	0.96
1256	0.0	0.02	0.0 0,52,0	0.13	5.89e-04	2.89e-03204,225,220	0.28	204	0.0	0.0	0.0
	0.04	0.03	0.0 209,210,0	0.13	3.59e-03	3.59e-03204,221,221			1.00	0.04	0.96
1257	7.27e-04	0.02	0.0 223,52,0	0.12	5.89e-04	2.67e-03204,225,220	0.27	204	0.85	0.06	0.94
	0.04	0.03	0.0 209,210,0	0.12	3.34e-03	3.34e-03204,221,221			1.00	0.04	0.96
1258	3.61e-03	6.17e-03	0.0 220,52,0	0.13	6.68e-04	2.38e-03208,220,220	0.27	208	0.85	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.13	1.66e-03	1.66e-03208,225,225			1.00	0.04	0.96
1259	3.61e-03	5.08e-03	0.0 220,52,0	0.12	5.84e-04	2.25e-03209,220,220	0.27	209	0.85	0.06	0.94
	0.06	0.05	0.0 209,210,0	0.12	1.45e-03	1.45e-03209,225,225			1.00	0.04	0.96
1260	0.02	0.02	0.0 207,204,0	0.13	1.01e-03	3.97e-03210,220,220	0.27	210	0.85	0.06	0.94
	0.07	0.05	0.0 209,210,0	0.13	5.33e-04	5.33e-04210,221,221			1.00	0.04	0.96
1261	0.02	0.02	0.0 207,204,0	0.13	7.82e-04	3.69e-03210,226,220	0.27	210	0.85	0.06	0.94
	0.09	0.06	0.0 209,210,0	0.13	3.16e-04	3.16e-04210,207,207			1.00	0.04	0.96
1262	0.03	0.03	0.0 207,209,0	0.13	1.74e-03	5.09e-03210,225,221	0.27	210	0.85	0.06	0.94
	0.09	0.06	0.0 209,210,0	0.13	1.77e-03	1.77e-03210,220,220			1.00	0.04	0.96
1263	0.02	0.02	0.0 228,231,0	0.13	2.69e-03	6.93e-03210,227,223	0.27	210	0.85	0.06	0.94
	0.11	0.08	0.0 209,210,0	0.13	1.77e-03	1.77e-03210,220,220			1.00	0.04	0.96
1264	0.03	0.03	0.0 207,209,0	0.09	1.74e-03	5.09e-03210,225,221	0.23	210	0.85	0.06	0.94
	0.09	0.06	0.0 209,210,0	0.09	1.77e-03	1.77e-03210,220,220			1.00	0.04	0.96
1265	0.02	0.02	0.0 228,231,0	0.09	2.69e-03	6.93e-03210,227,223	0.23	210	0.85	0.06	0.94
	0.11	0.08	0.0 209,210,0	0.09	1.77e-03	1.77e-03210,220,220			1.00	0.04	0.96
1266	0.0	0.10	0.0 0,52,0	0.13	1.22e-03	0.01 204,18,52	0.28	204	0.0	0.0	0.0
	0.03	0.02	0.0 209,210,0	0.13	4.71e-03	4.71e-03204,221,221			1.00	0.04	0.96
1267	0.0	0.10	0.0 0,52,0	0.16	1.34e-03	0.01204,220,52	0.31	204	0.0	0.0	0.0
	0.01	7.23e-03	0.0 229,220,0	0.16	3.95e-03	3.95e-03204,224,224			1.00	0.04	0.96
1268	0.0	0.08	0.0 0,52,0	0.16	1.34e-03	9.04e-03204,220,52	0.31	204	0.0	0.0	0.0
	5.75e-03	7.23e-03	0.0 223,220,0	0.16	3.95e-03	3.95e-03204,224,224			1.00	0.04	0.96
1269	1.26e-03	0.01	0.0 220,52,0	0.09	8.36e-04	2.27e-03 204,220,4	0.23	204	0.85	0.06	0.94
	0.04	0.03	0.0 209,210,0	0.09	2.52e-03	2.52e-03204,225,225			1.00	0.04	0.96
1270	1.26e-03	0.01	0.0 220,52,0	0.07	1.80e-03	2.30e-03204,220,220	0.21	204	0.85	0.06	0.94
	9.04e-03	8.34e-03	0.0 209,210,0	0.07	1.60e-03	1.60e-03204,216,216			1.00	0.04	0.96
1271	4.95e-04	0.01	0.0 226,52,0	0.07	1.80e-03	2.30e-03204,220,220	0.21	204	0.85	0.06	0.94
	2.85e-03	1.98e-03	0.0 209,217,0	0.07	1.60e-03	1.60e-03204,216,216			1.00	0.04	0.96
1272	3.45e-03	4.16e-03	0.0 220,220,0	0.08	1.31e-03	2.60e-03204,220,220	0.21	204	0.85	0.06	0.94
	0.06	0.05	0.0 209,210,0	0.08	9.95e-04	9.95e-04204,233,233			1.00	0.04	0.96
1273	2.82e-03	3.12e-03	0.0 220,220,0	0.06	2.41e-03	2.92e-03204,220,220	0.19	204	0.85	0.06	0.94
	9.90e-03	9.61e-03	0.0 209,210,0	0.06	1.32e-03	1.32e-03204,212,212			1.00	0.04	0.96
1274	1.06e-03	1.88e-03	0.0 223,52,0	0.06	2.41e-03	2.92e-03208,220,220	0.19	208	0.85	0.06	0.94
	3.65e-03	2.45e-03	0.0 210,209,0	0.06	1.32e-03	1.32e-03208,212,212			1.00	0.04	0.96
1275	0.01	0.01	0.0 207,209,0	0.07	2.03e-03	3.62e-03209,220,223	0.21	209	0.85	0.06	0.94
	0.09	0.06	0.0 209,210,0	0.07	7.19e-04	7.19e-04209,224,224			1.00	0.04	0.96
1276	7.04e-03	6.57e-03	0.0 222,204,0	0.06	2.82e-03	3.62e-03204,226,223	0.19	204	0.85	0.06	0.94
	9.90e-03	9.61e-03	0.0 209,210,0	0.06	1.01e-03	1.01e-03204,219,219			1.00	0.04	0.96
1277	2.63e-03	2.47e-03	0.0 207,204,0	0.06	2.82e-03	3.42e-03204,226,220	0.19	204	0.85	0.06	0.94
	3.65e-03	2.45e-03	0.0 210,209,0	0.06	1.01e-03	1.01e-03204,219,219			1.00	0.04	0.96
1278	0.02	0.02	0.0 220,223,0	0.06	2.99e-03	6.93e-03209,223,223	0.19	209	0.85	0.06	0.94
	0.11	0.08	0.0 209,210,0	0.06	1.66e-03	1.66e-03209,220,220			1.00	0.04	0.96

1279	0.01	0.01	0.0	220,223,0	0.05	3.37e-03	5.62e-03	209,221,223	0.18	209	0.85	0.06	0.94
	8.16e-03	8.26e-03	0.0	209,210,0	0.05	1.05e-03	1.05e-03	209,215,215			1.00	0.04	0.96
1280	2.63e-03	2.47e-03	0.0	207,204,0	0.05	3.37e-03	3.96e-03	209,221,225	0.18	209	0.85	0.06	0.94
	2.60e-03	2.31e-03	0.0	218,217,0	0.05	1.05e-03	1.05e-03	209,215,215			1.00	0.04	0.96
1281	0.02	0.02	0.0	220,223,0	0.03	2.99e-03	6.93e-03	207,223,223	0.14	207	0.85	0.06	0.94
	0.11	0.08	0.0	209,210,0	0.03	1.66e-03	1.66e-03	207,220,220			1.00	0.04	0.96
1282	0.01	0.01	0.0	220,223,0	0.04	3.37e-03	5.62e-03	204,221,223	0.15	204	0.85	0.06	0.94
	1.13e-03	3.63e-03	0.0	210,52,0	0.04	1.05e-03	1.05e-03	204,215,215			1.00	0.04	0.96
1283	2.06e-03	2.01e-03	0.0	220,223,0	0.04	3.37e-03	3.96e-03	204,221,225	0.15	204	0.85	0.06	0.94
	1.13e-03	1.72e-03	0.0	210,209,0	0.04	1.05e-03	1.05e-03	204,215,215			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.11	0.12	0.0		0.17	5.61e-03	0.01		0.31				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
35	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1148	0.06	0.04	0.0	209,210,0	0.07	2.06e-03	6.37e-03	210,232,230	0.20	210	0.46	0.11	0.89
	0.04	0.03	0.0	209,210,0	0.07	4.01e-03	4.01e-03	210,235,235			1.00	0.04	0.96
1161	0.06	0.04	0.0	209,210,0	0.08	2.06e-03	6.37e-03	210,232,230	0.22	210	0.46	0.11	0.89
	0.04	0.03	0.0	209,210,0	0.08	4.01e-03	4.01e-03	210,235,235			1.00	0.04	0.96
1162	8.18e-03	6.46e-03	0.0	207,204,0	0.08	3.88e-04	9.76e-04	210,225,220	0.22	210	0.46	0.11	0.89
	0.03	0.02	0.0	204,207,0	0.08	4.65e-03	4.65e-03	210,233,233			1.00	0.04	0.96
1163	2.71e-03	2.30e-03	0.0	209,210,0	0.08	7.96e-04	9.76e-04	210,216,213	0.22	210	0.46	0.11	0.89
	0.01	0.01	0.0	209,210,0	0.08	4.65e-03	4.65e-03	210,233,233			1.00	0.04	0.96
1190	0.06	0.04	0.0	207,204,0	0.07	2.03e-03	6.34e-03	209,226,220	0.20	209	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.07	4.00e-03	4.00e-03	209,225,225			1.00	0.04	0.96
1200	0.06	0.04	0.0	207,204,0	0.08	2.03e-03	6.34e-03	209,226,220	0.22	209	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.08	4.00e-03	4.00e-03	209,225,225			1.00	0.04	0.96
1202	8.08e-03	6.43e-03	0.0	209,210,0	0.08	3.94e-04	9.82e-04	209,231,230	0.22	209	0.46	0.11	0.89
	0.03	0.02	0.0	207,204,0	0.08	1.88e-03	1.88e-03	209,235,235			1.00	0.04	0.96
1204	2.86e-03	2.43e-03	0.0	207,204,0	0.08	8.04e-04	9.73e-04	209,214,219	0.22	209	0.46	0.11	0.89
	0.01	0.01	0.0	207,204,0	0.08	1.88e-03	1.88e-03	209,235,235			1.00	0.04	0.96
1218	0.06	0.04	0.0	209,210,0	0.09	2.06e-03	6.37e-03	210,232,230	0.23	210	0.46	0.11	0.89
	0.04	0.03	0.0	209,210,0	0.09	4.01e-03	4.01e-03	210,235,235			1.00	0.04	0.96
1219	0.06	0.04	0.0	209,210,0	0.07	2.06e-03	6.37e-03	210,232,230	0.20	210	0.46	0.11	0.89
	0.04	0.03	0.0	209,210,0	0.07	4.01e-03	4.01e-03	210,235,235			1.00	0.04	0.96
1220	8.18e-03	6.46e-03	0.0	207,204,0	0.09	7.96e-04	1.30e-03	210,216,228	0.23	210	0.46	0.11	0.89
	0.03	0.02	0.0	204,207,0	0.09	4.65e-03	4.65e-03	210,233,233			1.00	0.04	0.96
1221	1.94e-03	1.46e-03	0.0	210,209,0	0.08	7.96e-04	9.76e-04	210,216,213	0.22	210	0.46	0.11	0.89
	2.68e-03	1.80e-03	0.0	229,230,0	0.08	3.01e-03	3.01e-03	210,235,235			1.00	0.04	0.96
1222	0.02	0.01	0.0	207,204,0	0.09	6.13e-04	3.93e-03	209,232,230	0.23	209	0.46	0.11	0.89
	9.56e-03	6.48e-03	0.0	211,208,0	0.09	4.78e-04	4.78e-04	209,232,232			1.00	0.04	0.96
1223	0.02	0.01	0.0	207,204,0	0.05	6.13e-04	3.93e-03	209,232,230	0.18	209	0.46	0.11	0.89
	9.56e-03	6.48e-03	0.0	211,208,0	0.05	2.32e-04	2.32e-04	209,219,219			1.00	0.04	0.96
1224	2.35e-03	2.11e-03	0.0	223,230,0	0.09	4.28e-04	1.30e-03	209,231,230	0.23	209	0.46	0.11	0.89
	4.29e-03	2.92e-03	0.0	207,204,0	0.09	8.46e-04	8.46e-04	209,230,230			1.00	0.04	0.96
1225	5.82e-04	4.56e-04	0.0	227,224,0	0.09	3.64e-04	4.63e-04	209,219,225	0.22	209	0.46	0.11	0.89
	1.28e-03	8.06e-04	0.0	220,223,0	0.09	8.46e-04	8.46e-04	209,230,230			1.00	0.04	0.96
1226	0.06	0.04	0.0	207,204,0	0.09	2.03e-03	6.34e-03	209,226,220	0.23	209	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.09	4.00e-03	4.00e-03	209,225,225			1.00	0.04	0.96
1227	0.06	0.04	0.0	207,204,0	0.07	2.03e-03	6.34e-03	209,226,220	0.20	209	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.07	4.00e-03	4.00e-03	209,225,225			1.00	0.04	0.96
1228	8.08e-03	6.43e-03	0.0	209,210,0	0.09	8.04e-04	1.30e-03	209,214,230	0.23	209	0.46	0.11	0.89
	0.03	0.02	0.0	207,204,0	0.09	1.88e-03	1.88e-03	209,235,235			1.00	0.04	0.96
1229	1.73e-03	1.31e-03	0.0	204,207,0	0.09	8.04e-04	9.73e-04	209,214,219	0.22	209	0.46	0.11	0.89
	2.69e-03	1.80e-03	0.0	223,220,0	0.09	1.86e-03	1.86e-03	209,223,223			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.06	0.04	0.0		0.09	4.65e-03	6.37e-03		0.23				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
36	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.53	-81.5	178	0.36	-55.2	178	0.90	1220.5	-1.216e+06	205

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1284	0.12	0.11	0.0	209,210,0	0.11	3.55e-03	0.01210,225,206		0.25	210	0.85	0.06	0.94
	2.66e-03	2.46e-03	0.0	209,210,0	0.11	8.55e-04	8.55e-04210,227,227				1.00	0.04	0.96
1285	0.12	0.11	0.0	209,210,0	0.11	3.55e-03	0.01210,225,206		0.25	210	0.85	0.06	0.94
	5.80e-03	4.52e-03	0.0	209,210,0	0.11	8.55e-04	8.55e-04210,227,227				1.00	0.04	0.96
1286	0.12	0.11	0.0	209,210,0	0.13	3.55e-03	0.01210,225,206		0.27	210	0.85	0.06	0.94
	8.83e-03	7.69e-03	0.0	209,210,0	0.13	1.16e-03	1.16e-03210,227,227				1.00	0.04	0.96
1287	0.12	0.11	0.0	209,210,0	0.12	3.55e-03	0.01210,225,206		0.27	210	0.85	0.06	0.94
	4.95e-03	4.93e-03	0.0	209,210,0	0.12	1.16e-03	1.16e-03210,227,227				1.00	0.04	0.96
1288	0.09	0.08	0.0	208,211,0	0.09	3.04e-03	9.84e-03210,225,223		0.23	210	0.85	0.06	0.94
	5.80e-03	4.52e-03	0.0	209,210,0	0.09	5.52e-04	5.52e-04210,225,225				1.00	0.04	0.96
1289	0.09	0.08	0.0	208,211,0	0.13	3.04e-03	9.84e-03210,225,223		0.27	210	0.85	0.06	0.94
	8.83e-03	7.69e-03	0.0	209,210,0	0.13	9.88e-04	9.88e-04210,225,225				1.00	0.04	0.96
1290	0.06	0.05	0.0	208,211,0	0.08	2.45e-03	7.76e-03210,225,206		0.21	210	0.85	0.06	0.94
	0.02	0.01	0.0	208,211,0	0.08	5.52e-04	5.52e-04210,225,225				1.00	0.04	0.96
1291	0.06	0.05	0.0	208,211,0	0.13	2.45e-03	7.76e-03210,225,206		0.27	210	0.85	0.06	0.94
	0.02	0.01	0.0	208,211,0	0.13	9.88e-04	9.88e-04210,225,225				1.00	0.04	0.96
1292	3.81e-03	8.79e-03	0.0	205,222,0	0.13	2.58e-03	3.77e-03210,225,222		0.27	210	0.85	0.06	0.94
	9.29e-03	9.11e-03	0.0	225,226,0	0.13	1.28e-03	1.28e-03210,227,227				1.00	0.04	0.96
1293	1.46e-03	8.79e-03	0.0	221,222,0	0.12	2.58e-03	3.32e-03210,225,226		0.27	210	0.85	0.06	0.94
	4.95e-03	5.32e-03	0.0	209,226,0	0.12	1.28e-03	1.28e-03210,227,227				1.00	0.04	0.96
1294	9.48e-03	0.01	0.0	205,206,0	0.13	2.14e-03	4.42e-03210,225,222		0.27	210	0.85	0.06	0.94
	9.29e-03	9.11e-03	0.0	225,226,0	0.13	9.88e-04	9.88e-04210,225,225				1.00	0.04	0.96
1295	0.01	0.01	0.0	205,206,0	0.13	1.69e-03	4.54e-03210,225,222		0.27	210	0.85	0.06	0.94
	0.01	8.30e-03	0.0	205,206,0	0.13	9.88e-04	9.88e-04210,225,225				1.00	0.04	0.96
1296	4.08e-03	0.02	0.0	223,52,0	0.13	2.07e-03	4.16e-03210,220,220		0.28	210	0.85	0.06	0.94
	0.01	0.01	0.0	225,226,0	0.13	1.28e-03	1.28e-03210,227,227				1.00	0.04	0.96
1297	1.46e-03	0.02	0.0	221,52,0	0.12	2.07e-03	4.01e-03210,220,220		0.27	210	0.85	0.06	0.94
	6.25e-03	7.70e-03	0.0	225,226,0	0.12	1.28e-03	1.28e-03210,227,227				1.00	0.04	0.96
1298	7.06e-03	0.02	0.0	223,220,0	0.13	1.53e-03	4.16e-03210,220,220		0.28	210	0.85	0.06	0.94
	0.01	0.01	0.0	225,226,0	0.13	9.02e-04	9.02e-04210,221,221				1.00	0.04	0.96
1299	8.27e-03	0.02	0.0	223,220,0	0.13	1.13e-03	4.11e-03210,220,220		0.28	210	0.85	0.06	0.94
	0.01	9.83e-03	0.0	225,226,0	0.13	9.02e-04	9.02e-04210,221,221				1.00	0.04	0.96
1300	0.09	0.17	0.0	223,220,0	0.14	2.86e-03	0.02210,225,220		0.29	210	0.85	0.06	0.94
	0.01	0.01	0.0	225,226,0	0.14	3.59e-03	3.59e-03210,225,225				1.00	0.04	0.96
1301	0.09	0.17	0.0	223,220,0	0.13	2.86e-03	0.02210,225,220		0.27	210	0.85	0.06	0.94
	6.25e-03	7.70e-03	0.0	225,226,0	0.13	1.55e-03	1.55e-03210,214,214				1.00	0.04	0.96
1302	0.07	0.14	0.0	223,220,0	0.15	1.02e-03	0.02210,224,220		0.29	210	0.85	0.06	0.94
	0.01	0.01	0.0	225,226,0	0.15	3.59e-03	3.59e-03210,225,225				1.00	0.04	0.96
1303	0.05	0.12	0.0	223,220,0	0.15	1.09e-03	0.01210,226,220		0.30	210	0.85	0.06	0.94
	0.01	9.83e-03	0.0	225,226,0	0.15	2.95e-03	2.95e-03210,225,225				1.00	0.04	0.96
1304	0.09	0.17	0.0	223,220,0	0.14	2.86e-03	0.02210,225,220		0.29	210	0.85	0.06	0.94
	7.09e-03	6.45e-03	0.0	225,226,0	0.14	3.59e-03	3.59e-03210,225,225				1.00	0.04	0.96
1305	0.09	0.17	0.0	223,220,0	0.13	2.86e-03	0.02210,225,220		0.27	210	0.85	0.06	0.94
	2.99e-03	4.60e-03	0.0	225,226,0	0.13	1.55e-03	1.55e-03210,214,214				1.00	0.04	0.96
1306	0.07	0.14	0.0	223,220,0	0.15	7.66e-04	0.02210,217,220		0.29	210	0.85	0.06	0.94
	7.09e-03	6.45e-03	0.0	225,226,0	0.15	3.59e-03	3.59e-03210,225,225				1.00	0.04	0.96
1307	0.05	0.12	0.0	223,220,0	0.15	1.09e-03	0.01210,226,220		0.30	210	0.85	0.06	0.94
	5.45e-03	4.72e-03	0.0	225,226,0	0.15	2.95e-03	2.95e-03210,225,225				1.00	0.04	0.96
1308	0.03	0.03	0.0	205,206,0	0.09	1.78e-03	6.98e-03204,225,221		0.23	204	0.85	0.06	0.94
	0.08	0.06	0.0	207,204,0	0.09	1.77e-03	1.77e-03204,222,222				1.00	0.04	0.96
1309	0.03	0.03	0.0	205,206,0	0.13	1.78e-03	6.98e-03204,225,221		0.28	204	0.85	0.06	0.94
	0.08	0.06	0.0	207,204,0	0.13	1.77e-03	1.77e-03204,222,222				1.00	0.04	0.96
1310	0.03	0.02	0.0	222,221,0	0.09	4.19e-03	8.31e-03204,221,221		0.23	204	0.85	0.06	0.94
	0.10	0.07	0.0	207,204,0	0.09	1.77e-03	1.77e-03204,222,222				1.00	0.04	0.96
1311	0.03	0.02	0.0	222,221,0	0.13	4.19e-03	8.31e-03204,221,221		0.28	204	0.85	0.06	0.94
	0.10	0.07	0.0	207,204,0	0.13	1.77e-03	1.77e-03204,222,222				1.00	0.04	0.96
1312	0.02	0.02	0.0	204,207,0	0.13	1.16e-03	4.54e-03204,225,222		0.28	204	0.85	0.06	0.94
	0.07	0.05	0.0	207,204,0	0.13	1.40e-03	1.40e-03204,221,221				1.00	0.04	0.96
1313	0.02	0.02	0.0	204,207,0	0.13	1.06e-03	4.00e-03204,223,223		0.28	204	0.85	0.06	0.94
	0.08	0.06	0.0	207,204,0	0.13	1.40e-03	1.40e-03204,221,221				1.00	0.04	0.96
1314	8.27e-03	0.02	0.0	223,220,0	0.13	7.70e-04	4.11e-03210,220,220		0.28	210	0.85	0.06	0.94
	0.04	0.03	0.0	207,204,0	0.13	1.06e-03	1.06e-03210,223,223				1.00	0.04	0.96
1315	8.09e-03	0.02	0.0	223,220,0	0.12	7.10e-04	3.21e-03210,220,224		0.27	210	0.85	0.06	0.94

	0.05	0.04	0.0	207,204,0	0.12	1.06e-03	1.06e-03210,223,223			1.00	0.04	0.96
1316	0.03	0.10	0.0	223,220,0	0.15	1.21e-03	0.01210,226,220	0.30	210	0.85	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.15	2.49e-03	2.49e-03210,225,225			1.00	0.04	0.96
1317	9.75e-03	0.08	0.0	223,52,0	0.15	1.21e-03	9.06e-03210,226,220	0.30	210	0.85	0.06	0.94
	0.03	0.03	0.0	207,204,0	0.15	2.17e-03	2.17e-03210,223,223			1.00	0.04	0.96
1318	0.03	0.10	0.0	223,220,0	0.15	1.21e-03	0.01210,226,220	0.30	210	0.85	0.06	0.94
	0.01	9.88e-03	0.0	207,204,0	0.15	2.49e-03	2.49e-03210,225,225			1.00	0.04	0.96
1319	9.75e-03	0.08	0.0	223,52,0	0.15	1.21e-03	9.06e-03210,226,220	0.30	210	0.85	0.06	0.94
	0.01	0.01	0.0	207,204,0	0.15	2.17e-03	2.17e-03210,223,223			1.00	0.04	0.96
1320	0.02	0.02	0.0	230,229,0	0.04	4.23e-03	8.31e-03204,221,221	0.14	204	0.85	0.06	0.94
	0.10	0.07	0.0	207,204,0	0.04	1.35e-03	1.35e-03204,222,222			1.00	0.04	0.96
1321	0.02	0.02	0.0	230,229,0	0.06	4.23e-03	8.31e-03204,221,221	0.19	204	0.85	0.06	0.94
	0.10	0.07	0.0	207,204,0	0.06	1.35e-03	1.35e-03204,222,222			1.00	0.04	0.96
1322	7.66e-03	6.99e-03	0.0	223,220,0	0.04	4.23e-03	6.68e-03204,225,225	0.15	204	0.85	0.06	0.94
	3.64e-03	7.03e-03	0.0	220,52,0	0.04	2.10e-03	2.10e-03204,213,213			1.00	0.04	0.96
1323	8.25e-03	7.37e-03	0.0	220,223,0	0.05	4.23e-03	6.68e-03204,225,225	0.18	204	0.85	0.06	0.94
	3.84e-03	9.01e-03	0.0	220,52,0	0.05	2.15e-03	2.15e-03204,204,204			1.00	0.04	0.96
1324	2.24e-03	2.07e-03	0.0	223,220,0	0.04	4.23e-03	4.99e-03204,225,225	0.15	204	0.85	0.06	0.94
	3.64e-03	4.00e-03	0.0	220,223,0	0.04	2.10e-03	2.10e-03204,213,213			1.00	0.04	0.96
1325	2.60e-03	2.35e-03	0.0	220,223,0	0.05	4.23e-03	4.99e-03204,225,225	0.18	204	0.85	0.06	0.94
	3.84e-03	4.21e-03	0.0	220,223,0	0.05	2.15e-03	2.15e-03204,204,204			1.00	0.04	0.96
1326	0.01	0.01	0.0	205,206,0	0.07	2.27e-03	4.43e-03207,221,225	0.20	207	0.85	0.06	0.94
	0.08	0.06	0.0	207,204,0	0.07	1.06e-03	1.06e-03207,205,205			1.00	0.04	0.96
1327	8.25e-03	7.37e-03	0.0	220,223,0	0.06	3.43e-03	4.43e-03209,226,225	0.19	209	0.85	0.06	0.94
	4.97e-03	0.01	0.0	204,52,0	0.06	3.15e-03	3.15e-03209,217,217			1.00	0.04	0.96
1328	2.60e-03	2.47e-03	0.0	220,225,0	0.06	3.43e-03	4.14e-03209,226,222	0.19	209	0.85	0.06	0.94
	4.97e-03	5.73e-03	0.0	204,207,0	0.06	3.15e-03	3.15e-03209,217,217			1.00	0.04	0.96
1329	7.96e-03	0.02	0.0	223,220,0	0.08	1.59e-03	3.21e-03210,220,224	0.21	210	0.85	0.06	0.94
	0.05	0.04	0.0	207,204,0	0.08	8.20e-04	8.20e-04210,225,225			1.00	0.04	0.96
1330	7.57e-03	0.02	0.0	227,224,0	0.06	2.61e-03	3.19e-03210,222,220	0.20	210	0.85	0.06	0.94
	5.90e-03	0.01	0.0	204,52,0	0.06	3.15e-03	3.15e-03210,217,217			1.00	0.04	0.96
1331	3.52e-03	9.86e-03	0.0	225,226,0	0.06	2.61e-03	3.15e-03210,222,221	0.20	210	0.85	0.06	0.94
	5.90e-03	7.85e-03	0.0	204,207,0	0.06	3.15e-03	3.15e-03210,217,217			1.00	0.04	0.96
1332	7.96e-03	0.08	0.0	223,52,0	0.11	1.50e-03	9.00e-03210,207,52	0.25	210	0.85	0.06	0.94
	0.03	0.03	0.0	207,204,0	0.11	2.74e-03	2.74e-03210,209,209			1.00	0.04	0.96
1333	7.57e-03	0.08	0.0	227,52,0	0.11	3.71e-03	9.00e-03210,209,52	0.25	210	0.85	0.06	0.94
	5.90e-03	0.01	0.0	204,52,0	0.11	3.04e-03	3.04e-03210,205,205			1.00	0.04	0.96
1334	3.52e-03	0.06	0.0	225,52,0	0.11	3.71e-03	8.79e-03210,209,209	0.25	210	0.85	0.06	0.94
	5.90e-03	8.72e-03	0.0	204,52,0	0.11	3.04e-03	3.04e-03210,205,205			1.00	0.04	0.96
1335	0.0	0.08	0.0	0,52,0	0.11	1.50e-03	9.00e-03210,207,52	0.25	210	0.0	0.0	0.0
	0.01	0.01	0.0	207,204,0	0.11	2.74e-03	2.74e-03210,209,209			1.00	0.04	0.96
1336	0.0	0.08	0.0	0,52,0	0.11	3.71e-03	9.00e-03210,209,52	0.25	210	0.0	0.0	0.0
	1.01e-03	0.01	0.0	204,52,0	0.11	2.74e-03	2.74e-03210,209,209			1.00	0.04	0.96
1337	0.0	0.06	0.0	0,52,0	0.11	3.71e-03	8.79e-03210,209,209	0.25	210	0.0	0.0	0.0
	1.01e-03	8.72e-03	0.0	204,52,0	0.11	6.63e-04	6.63e-04210,220,220			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.12	0.17	0.0	0.15	4.23e-03	0.02	0.30

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
37	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
		kN			kN			kN	kN m				
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1265	0.06	0.05	0.0	209,210,0	0.07	2.36e-03	7.02e-03	207,220,222	0.20	207	0.46	0.11	0.89
	0.04	0.03	0.0	204,207,0	0.07	4.58e-03	4.58e-03	207,223,223					
1281	0.06	0.05	0.0	209,210,0	0.08	2.36e-03	7.02e-03	207,220,222	0.22	207	0.46	0.11	0.89
	0.04	0.03	0.0	204,207,0	0.08	4.58e-03	4.58e-03	207,223,223					
1282	6.23e-03	5.97e-03	0.0	207,204,0	0.08	4.68e-04	1.08e-03	207,222,205	0.22	207	0.46	0.11	0.89
	0.03	0.02	0.0	204,207,0	0.08	5.93e-03	5.93e-03	207,221,221					
1283	2.60e-03	3.06e-03	0.0	204,207,0	0.08	7.03e-04	1.01e-03	207,212,216	0.22	207	0.46	0.11	0.89
	0.02	0.01	0.0	208,211,0	0.08	5.93e-03	5.93e-03	207,221,221					
1310	0.05	0.04	0.0	207,204,0	0.07	2.73e-03	6.69e-03	204,221,220	0.20	204	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.07	5.75e-03	5.75e-03	204,221,221					
1320	0.05	0.04	0.0	207,204,0	0.08	2.73e-03	6.69e-03	204,221,220	0.22	204	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.08	5.75e-03	5.75e-03	204,221,221					

1322	7.79e-03	7.72e-03	0.0 209,210,0	0.08	4.06e-04	1.09e-03204,224,207	0.22	204	0.46	0.11	0.89
	0.03	0.02	0.0 211,208,0	0.08	2.19e-03	2.19e-03204,223,223			1.00	0.04	0.96
1324	1.83e-03	2.95e-03	0.0 220,209,0	0.08	8.88e-04	9.56e-04209,214,215	0.22	209	0.46	0.11	0.89
	0.02	0.01	0.0 211,205,0	0.08	2.71e-03	2.71e-03209,221,221			1.00	0.04	0.96
1338	0.06	0.05	0.0 209,210,0	0.09	2.36e-03	7.02e-03204,220,222	0.23	204	0.46	0.11	0.89
	0.04	0.03	0.0 204,207,0	0.09	4.58e-03	4.58e-03204,223,223			1.00	0.04	0.96
1339	0.06	0.05	0.0 209,210,0	0.07	2.36e-03	7.02e-03207,220,222	0.20	207	0.46	0.11	0.89
	0.04	0.03	0.0 204,207,0	0.07	4.58e-03	4.58e-03207,223,223			1.00	0.04	0.96
1340	6.23e-03	5.97e-03	0.0 207,204,0	0.09	7.03e-04	1.62e-03204,212,222	0.23	204	0.46	0.11	0.89
	0.03	0.02	0.0 204,207,0	0.09	5.93e-03	5.93e-03204,221,221			1.00	0.04	0.96
1341	1.75e-03	1.42e-03	0.0 210,209,0	0.08	7.03e-04	1.01e-03208,212,216	0.22	208	0.46	0.11	0.89
	2.87e-03	1.96e-03	0.0 221,222,0	0.08	3.57e-03	3.57e-03208,223,223			1.00	0.04	0.96
1342	0.02	0.02	0.0 209,210,0	0.09	6.28e-04	4.60e-03204,224,222	0.23	204	0.46	0.11	0.89
	0.01	7.45e-03	0.0 209,210,0	0.09	6.19e-04	6.19e-04204,220,220			1.00	0.04	0.96
1343	0.02	0.02	0.0 209,210,0	0.05	6.28e-04	4.60e-03204,224,222	0.18	204	0.46	0.11	0.89
	0.01	7.45e-03	0.0 209,210,0	0.05	2.63e-04	2.63e-04204,213,213			1.00	0.04	0.96
1344	2.06e-03	3.29e-03	0.0 209,210,0	0.09	5.51e-04	1.62e-03204,225,222	0.23	204	0.46	0.11	0.89
	5.34e-03	3.71e-03	0.0 205,206,0	0.09	1.20e-03	1.20e-03204,222,222			1.00	0.04	0.96
1345	3.66e-04	8.40e-04	0.0 220,223,0	0.09	3.12e-04	4.70e-04208,216,227	0.23	208	0.46	0.11	0.89
	1.61e-03	1.07e-03	0.0 206,205,0	0.09	1.20e-03	1.20e-03208,222,222			1.00	0.04	0.96
1346	0.05	0.04	0.0 207,204,0	0.09	2.73e-03	6.69e-03204,221,220	0.23	204	0.46	0.11	0.89
	0.04	0.03	0.0 210,209,0	0.09	5.75e-03	5.75e-03204,221,221			1.00	0.04	0.96
1347	0.05	0.04	0.0 207,204,0	0.07	2.73e-03	6.69e-03204,221,220	0.20	204	0.46	0.11	0.89
	0.04	0.03	0.0 210,209,0	0.07	5.75e-03	5.75e-03204,221,221			1.00	0.04	0.96
1348	7.79e-03	7.72e-03	0.0 209,210,0	0.09	8.88e-04	1.57e-03204,214,220	0.23	204	0.46	0.11	0.89
	0.03	0.02	0.0 211,208,0	0.09	2.71e-03	2.71e-03204,221,221			1.00	0.04	0.96
1349	1.83e-03	1.49e-03	0.0 220,223,0	0.09	8.88e-04	9.56e-04208,214,215	0.23	208	0.46	0.11	0.89
	3.33e-03	2.35e-03	0.0 206,205,0	0.09	2.71e-03	2.71e-03208,221,221			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.06	0.05	0.0	0.09	5.93e-03	7.02e-03	0.23				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
38	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.68	-157.6	200	0.67	-154.2	200	0.40	-2.351e+04	-2.583e+06	232

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1068	0.04	0.09	0.0 235,232,0	0.19	1.37e-03	0.01232,204,220	0.34	232	0.85	0.06	0.94		
	6.47e-04	6.07e-03	0.0 211,52,0	0.19	2.25e-03	2.25e-03232,211,211			1.00	0.04	0.96		
1069	0.04	0.09	0.0 235,232,0	0.19	2.98e-04	9.90e-03232,217,232	0.34	232	0.85	0.06	0.94		
	0.0	6.07e-03	0.0 0,52,0	0.19	2.16e-03	2.16e-03232,213,213			0.0	0.0	0.0		
1070	0.02	0.11	0.0 235,52,0	0.18	3.01e-03	0.01232,208,52	0.33	232	0.85	0.06	0.94		
	2.32e-03	4.38e-03	0.0 206,205,0	0.18	3.15e-03	3.15e-03232,211,211			1.00	0.04	0.96		
1071	0.0	0.12	0.0 0,52,0	0.18	6.84e-03	0.02232,208,208	0.33	232	0.0	0.0	0.0		
	3.57e-03	4.96e-03	0.0 206,205,0	0.18	3.72e-03	3.72e-03232,211,211			1.00	0.04	0.96		
1084	0.0	0.14	0.0 0,52,0	0.18	7.13e-03	0.02232,208,208	0.32	232	0.0	0.0	0.0		
	4.02e-03	6.42e-03	0.0 220,229,0	0.18	4.69e-03	4.69e-03232,209,209			1.00	0.04	0.96		
1085	0.0	0.15	0.0 0,52,0	0.17	7.13e-03	0.02232,208,208	0.32	232	0.0	0.0	0.0		
	8.64e-03	0.01	0.0 204,207,0	0.17	9.86e-03	9.86e-03232,209,209			1.00	0.04	0.96		
1104	0.0	0.15	0.0 0,52,0	0.17	7.61e-03	0.02232,208,204	0.32	232	0.0	0.0	0.0		
	8.64e-03	0.01	0.0 204,52,0	0.17	9.86e-03	9.86e-03232,209,209			1.00	0.04	0.96		
1105	0.0	0.24	0.0 0,52,0	0.26	7.61e-03	0.03235,208,52	0.39	235	0.0	0.0	0.0		
	0.0	0.01	0.0 0,52,0	0.26	3.22e-03	3.22e-03235,209,209			0.0	0.0	0.0		
1106	0.0	0.24	0.0 0,52,0	0.26	5.61e-03	0.03232,204,52	0.39	232	0.0	0.0	0.0		
	0.01	0.02	0.0 220,223,0	0.26	1.37e-03	1.37e-03232,210,210			1.00	0.04	0.96		
1350	0.04	0.19	0.0 235,52,0	0.20	2.32e-03	0.02235,209,52	0.35	235	0.85	0.06	0.94		
	6.72e-03	6.07e-03	0.0 211,52,0	0.20	2.25e-03	2.25e-03235,211,211			1.00	0.04	0.96		
1351	0.04	0.19	0.0 235,52,0	0.20	2.32e-03	0.02232,209,52	0.34	232	0.85	0.06	0.94		
	2.98e-03	6.07e-03	0.0 211,52,0	0.20	2.16e-03	2.16e-03232,213,213			1.00	0.04	0.96		
1352	0.02	0.18	0.0 235,52,0	0.21	3.01e-03	0.02235,208,52	0.35	235	0.85	0.06	0.94		
	7.97e-03	5.95e-03	0.0 211,208,0	0.21	3.15e-03	3.15e-03235,211,211			1.00	0.04	0.96		
1353	0.0	0.18	0.0 0,52,0	0.21	6.84e-03	0.02235,208,52	0.35	235	0.0	0.0	0.0		
	0.01	9.10e-03	0.0 206,211,0	0.21	3.72e-03	3.72e-03235,211,211			1.00	0.04	0.96		
1354	0.0	0.19	0.0 0,52,0	0.20	3.45e-03	0.02235,209,52	0.35	235	0.0	0.0	0.0		
	6.72e-03	5.19e-03	0.0 211,208,0	0.20	1.95e-03	1.95e-03235,206,206			1.00	0.04	0.96		
1355	0.0	0.19	0.0 0,52,0	0.20	3.45e-03	0.02232,209,52	0.34	232	0.0	0.0	0.0		

	2.98e-03	2.55e-03	0.0 211,208,0	0.20	1.95e-03	1.95e-03232,206,206			1.00	0.04	0.96
1356	0.0	0.18	0.0 0,52,0	0.21	2.47e-03	0.02235,209,52	0.35	235	0.0	0.0	0.0
	8.84e-03	7.78e-03	0.0 211,211,0	0.21	2.17e-03	2.17e-03235,217,217			1.00	0.04	0.96
1357	0.0	0.18	0.0 0,52,0	0.21	2.03e-03	0.02235,204,52	0.35	235	0.0	0.0	0.0
	0.01	0.01	0.0 206,211,0	0.21	3.09e-03	3.09e-03235,209,209			1.00	0.04	0.96
1358	0.0	0.17	0.0 0,52,0	0.20	3.80e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	7.47e-03	6.97e-03	0.0 210,209,0	0.20	3.54e-03	3.54e-03232,204,204			1.00	0.04	0.96
1359	0.0	0.17	0.0 0,52,0	0.20	3.80e-03	0.02232,209,52	0.34	232	0.0	0.0	0.0
	2.80e-03	3.63e-03	0.0 210,209,0	0.20	2.71e-03	2.71e-03232,204,204			1.00	0.04	0.96
1360	0.0	0.17	0.0 0,52,0	0.20	2.47e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	9.06e-03	8.28e-03	0.0 210,207,0	0.20	3.57e-03	3.57e-03232,204,204			1.00	0.04	0.96
1361	0.0	0.17	0.0 0,52,0	0.21	1.21e-03	0.02232,205,52	0.35	232	0.0	0.0	0.0
	0.01	0.01	0.0 206,211,0	0.21	3.57e-03	3.57e-03232,204,204			1.00	0.04	0.96
1362	0.0	0.19	0.0 0,52,0	0.20	3.80e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.02	0.02	0.0 204,207,0	0.20	7.42e-03	7.42e-03232,204,204			1.00	0.04	0.96
1363	0.0	0.19	0.0 0,52,0	0.20	3.80e-03	0.02232,209,52	0.34	232	0.0	0.0	0.0
	9.68e-03	8.64e-03	0.0 204,207,0	0.20	4.54e-03	4.54e-03232,204,204			1.00	0.04	0.96
1364	0.0	0.18	0.0 0,52,0	0.20	2.33e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.02	0.02	0.0 204,207,0	0.20	7.42e-03	7.42e-03232,204,204			1.00	0.04	0.96
1365	0.0	0.18	0.0 0,52,0	0.21	1.18e-03	0.02232,204,52	0.35	232	0.0	0.0	0.0
	0.02	0.02	0.0 204,207,0	0.21	7.38e-03	7.38e-03232,204,204			1.00	0.04	0.96
1366	0.0	0.24	0.0 0,52,0	0.21	2.98e-03	0.03232,207,52	0.35	232	0.0	0.0	0.0
	0.04	0.03	0.0 204,207,0	0.21	7.42e-03	7.42e-03232,204,204			1.00	0.04	0.96
1367	0.0	0.24	0.0 0,52,0	0.20	2.98e-03	0.03232,207,52	0.35	232	0.0	0.0	0.0
	0.02	0.01	0.0 204,207,0	0.20	4.54e-03	4.54e-03232,204,204			1.00	0.04	0.96
1368	0.0	0.23	0.0 0,52,0	0.21	2.29e-03	0.03232,209,52	0.36	232	0.0	0.0	0.0
	0.04	0.03	0.0 204,207,0	0.21	7.42e-03	7.42e-03232,204,204			1.00	0.04	0.96
1369	0.0	0.22	0.0 0,52,0	0.21	5.52e-03	0.03232,209,52	0.36	232	0.0	0.0	0.0
	0.04	0.03	0.0 204,207,0	0.21	7.38e-03	7.38e-03232,204,204			1.00	0.04	0.96
1370	0.11	0.24	0.0 232,52,0	0.21	0.02	0.03232,207,223	0.35	232	0.85	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.21	0.02	0.02232,207,207			1.00	0.04	0.96
1371	0.11	0.24	0.0 232,52,0	0.20	0.02	0.03232,207,223	0.35	232	0.85	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.20	5.49e-03	5.49e-03232,230,230			1.00	0.04	0.96
1372	0.08	0.23	0.0 220,52,0	0.21	0.01	0.04232,204,207	0.36	232	0.85	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.21	0.02	0.02232,207,207			1.00	0.04	0.96
1373	0.06	0.22	0.0 232,52,0	0.21	0.02	0.04232,204,207	0.36	232	0.85	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.21	0.02	0.02232,204,204			1.00	0.04	0.96
1374	0.11	0.18	0.0 232,223,0	0.19	0.02	0.03232,207,223	0.33	232	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.19	0.02	0.02232,207,207			1.00	0.04	0.96
1375	0.11	0.17	0.0 232,235,0	0.19	0.02	0.03232,207,223	0.33	232	0.85	0.06	0.94
	4.63e-03	0.01	0.0 204,207,0	0.19	5.49e-03	5.49e-03232,230,230			1.00	0.04	0.96
1376	0.08	0.18	0.0 220,235,0	0.17	0.01	0.04235,204,207	0.32	235	0.85	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.17	0.02	0.02235,207,207			1.00	0.04	0.96
1377	0.06	0.18	0.0 232,235,0	0.17	0.02	0.04235,204,207	0.31	235	0.85	0.06	0.94
	0.02	0.02	0.0 209,210,0	0.17	0.02	0.02235,204,204			1.00	0.04	0.96
1378	0.0	0.17	0.0 0,52,0	0.21	7.13e-03	0.02235,208,208	0.35	235	0.0	0.0	0.0
	0.02	0.02	0.0 212,217,0	0.21	4.69e-03	4.69e-03235,209,209			1.00	0.04	0.96
1379	0.0	0.17	0.0 0,52,0	0.21	7.13e-03	0.02235,208,208	0.36	235	0.0	0.0	0.0
	0.02	0.02	0.0 204,209,0	0.21	9.86e-03	9.86e-03235,209,209			1.00	0.04	0.96
1380	0.0	0.17	0.0 0,52,0	0.21	1.74e-03	0.02235,208,52	0.35	235	0.0	0.0	0.0
	0.02	0.02	0.0 212,217,0	0.21	3.09e-03	3.09e-03235,209,209			1.00	0.04	0.96
1381	0.0	0.17	0.0 0,52,0	0.21	1.18e-03	0.02235,209,52	0.36	235	0.0	0.0	0.0
	0.02	0.02	0.0 204,209,0	0.21	1.04e-03	1.04e-03235,211,211			1.00	0.04	0.96
1382	0.0	0.17	0.0 0,52,0	0.21	1.34e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.01	0.01	0.0 206,211,0	0.21	1.60e-03	1.60e-03232,204,204			1.00	0.04	0.96
1383	0.0	0.17	0.0 0,52,0	0.21	1.34e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.02	0.02	0.0 204,209,0	0.21	2.47e-03	2.47e-03232,209,209			1.00	0.04	0.96
1384	0.0	0.18	0.0 0,52,0	0.21	1.34e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.02	0.02	0.0 212,217,0	0.21	3.37e-03	3.37e-03232,207,207			1.00	0.04	0.96
1385	0.0	0.18	0.0 0,52,0	0.21	1.34e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.03	0.03	0.0 204,209,0	0.21	4.27e-03	4.27e-03232,209,209			1.00	0.04	0.96
1386	0.0	0.21	0.0 0,52,0	0.21	5.52e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.04	0.03	0.0 204,209,0	0.21	4.49e-03	4.49e-03232,207,207			1.00	0.04	0.96
1387	0.0	0.21	0.0 0,52,0	0.21	3.01e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.04	0.04	0.0 204,209,0	0.21	4.49e-03	4.49e-03232,207,207			1.00	0.04	0.96
1388	0.03	0.21	0.0 232,52,0	0.21	0.02	0.04232,204,207	0.35	232	0.85	0.06	0.94
	0.04	0.03	0.0 204,209,0	0.21	0.02	0.02232,209,209			1.00	0.04	0.96
1389	0.02	0.21	0.0 220,52,0	0.21	0.02	0.04232,209,207	0.35	232	0.85	0.06	0.94
	0.04	0.04	0.0 204,209,0	0.21	0.02	0.02232,209,209			1.00	0.04	0.96
1390	0.03	0.19	0.0 232,235,0	0.16	0.02	0.04235,204,207	0.31	235	0.85	0.06	0.94
	0.02	0.02	0.0 209,204,0	0.16	0.02	0.02235,209,209			1.00	0.04	0.96
1391	0.02	0.20	0.0 220,52,0	0.15	0.02	0.04235,209,207	0.30	235	0.85	0.06	0.94
	0.02	0.02	0.0 209,204,0	0.15	0.02	0.02235,209,209			1.00	0.04	0.96
1392	0.0	0.16	0.0 0,52,0	0.22	7.61e-03	0.02235,208,204	0.36	235	0.0	0.0	0.0
	0.02	0.02	0.0 204,209,0	0.22	9.86e-03	9.86e-03235,209,209			1.00	0.04	0.96

1393	0.0	0.24	0.0	0,52,0	0.26	7.61e-03	0.03232,208,52	0.39	232	0.0	0.0	0.0
	0.01	0.02	0.0	220,223,0	0.26	3.22e-03	3.22e-03232,209,209			1.00	0.04	0.96
1394	0.0	0.19	0.0	0,52,0	0.26	5.61e-03	0.02232,204,52	0.39	232	0.0	0.0	0.0
	0.01	0.02	0.0	220,223,0	0.26	1.37e-03	1.37e-03232,210,210			1.00	0.04	0.96
1395	0.0	0.16	0.0	0,52,0	0.22	2.78e-03	0.02235,208,52	0.36	235	0.0	0.0	0.0
	0.02	0.02	0.0	204,209,0	0.22	2.90e-03	2.90e-03235,209,209			1.00	0.04	0.96
1396	0.0	0.16	0.0	0,52,0	0.22	4.32e-03	0.02235,208,52	0.36	235	0.0	0.0	0.0
	9.91e-03	0.02	0.0	204,207,0	0.22	2.90e-03	2.90e-03235,209,209			1.00	0.04	0.96
1397	0.0	0.16	0.0	0,52,0	0.21	4.32e-03	0.02235,208,52	0.35	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.21	1.54e-03	1.54e-03235,209,209			0.0	0.0	0.0
1398	0.0	0.17	0.0	0,52,0	0.21	1.60e-03	0.02232,208,52	0.35	232	0.0	0.0	0.0
	0.02	0.02	0.0	204,209,0	0.21	2.47e-03	2.47e-03232,209,209			1.00	0.04	0.96
1399	0.0	0.17	0.0	0,52,0	0.21	2.45e-03	0.02232,205,52	0.35	232	0.0	0.0	0.0
	0.01	0.02	0.0	204,209,0	0.21	2.13e-03	2.13e-03232,209,209			1.00	0.04	0.96
1400	0.0	0.16	0.0	0,52,0	0.20	2.45e-03	0.02235,205,52	0.35	235	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.20	1.59e-03	1.59e-03235,209,209			0.0	0.0	0.0
1401	0.0	0.18	0.0	0,52,0	0.21	1.29e-03	0.02232,208,52	0.35	232	0.0	0.0	0.0
	0.03	0.03	0.0	204,209,0	0.21	4.27e-03	4.27e-03232,209,209			1.00	0.04	0.96
1402	0.0	0.18	0.0	0,52,0	0.21	2.83e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.02	0.03	0.0	210,209,0	0.21	2.13e-03	2.13e-03232,209,209			1.00	0.04	0.96
1403	0.0	0.17	0.0	0,52,0	0.20	2.83e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.20	1.59e-03	1.59e-03232,209,209			0.0	0.0	0.0
1404	0.0	0.20	0.0	0,52,0	0.21	3.12e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.04	0.04	0.0	204,209,0	0.21	4.66e-03	4.66e-03232,204,204			1.00	0.04	0.96
1405	0.0	0.20	0.0	0,52,0	0.21	5.96e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.02	0.03	0.0	210,209,0	0.21	4.66e-03	4.66e-03232,204,204			1.00	0.04	0.96
1406	0.0	0.17	0.0	0,52,0	0.20	5.96e-03	0.02232,209,52	0.35	232	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.20	2.47e-03	2.47e-03232,229,229			0.0	0.0	0.0
1407	0.02	0.21	0.0	220,52,0	0.21	0.01	0.03232,209,229	0.35	232	0.85	0.06	0.94
	0.04	0.04	0.0	204,209,0	0.21	0.02	0.02232,209,209			1.00	0.04	0.96
1408	3.07e-03	0.33	0.0	232,52,0	0.26	0.01	0.04232,209,52	0.39	232	0.85	0.06	0.94
	0.01	0.03	0.0	210,209,0	0.26	6.11e-03	6.11e-03232,209,209			1.00	0.04	0.96
1409	0.0	0.24	0.0	0,52,0	0.22	5.96e-03	0.03235,209,52	0.36	235	0.0	0.0	0.0
	1.20e-03	0.02	0.0	223,52,0	0.22	3.15e-03	3.15e-03235,210,210			1.00	0.04	0.96
1410	0.02	0.21	0.0	220,52,0	0.15	0.01	0.03232,209,229	0.30	232	0.85	0.06	0.94
	0.02	0.02	0.0	209,204,0	0.15	0.02	0.02232,209,209			1.00	0.04	0.96
1411	3.07e-03	0.33	0.0	232,52,0	0.26	0.01	0.04232,209,52	0.39	232	0.85	0.06	0.94
	0.0	0.02	0.0	0,52,0	0.26	6.11e-03	6.11e-03232,209,209			0.0	0.0	0.0
1412	0.0	0.33	0.0	0,52,0	0.26	7.22e-03	0.04232,209,52	0.39	232	0.0	0.0	0.0
	1.20e-03	0.02	0.0	223,52,0	0.26	3.15e-03	3.15e-03232,210,210			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.11	0.33	0.0	0.26	0.02	0.04	0.39

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
39	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.68	-157.5	194	0.67	-154.1	194	0.40	-2.378e+04	-2.614e+06	226

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1184	0.04	0.09	0.0	225,226,0	0.19	1.37e-03	0.01226,210,226	0.34	226	0.85	0.06	0.94	
	6.03e-04	6.15e-03	0.0	205,52,0	0.19	2.25e-03	2.25e-03226,208,208			1.00	0.04	0.96	
1185	0.04	0.09	0.0	225,226,0	0.19	3.00e-04	0.01226,218,226	0.34	226	0.85	0.06	0.94	
	0.0	6.15e-03	0.0	0,52,0	0.19	2.16e-03	2.16e-03226,213,213			0.0	0.0	0.0	
1186	0.02	0.11	0.0	225,52,0	0.18	3.00e-03	0.01226,211,52	0.33	226	0.85	0.06	0.94	
	2.37e-03	4.44e-03	0.0	208,211,0	0.18	3.16e-03	3.16e-03226,208,208			1.00	0.04	0.96	
1187	0.0	0.13	0.0	0,52,0	0.18	6.49e-03	0.02226,211,208	0.33	226	0.0	0.0	0.0	
	3.31e-03	4.94e-03	0.0	206,205,0	0.18	3.71e-03	3.71e-03226,208,208			1.00	0.04	0.96	
1198	0.0	0.14	0.0	0,52,0	0.18	7.11e-03	0.02226,211,206	0.32	226	0.0	0.0	0.0	
	4.12e-03	6.28e-03	0.0	230,223,0	0.18	4.66e-03	4.66e-03226,210,210			1.00	0.04	0.96	
1199	0.0	0.15	0.0	0,52,0	0.17	7.11e-03	0.02226,211,206	0.32	226	0.0	0.0	0.0	
	8.65e-03	0.01	0.0	210,209,0	0.17	9.82e-03	9.82e-03226,210,210			1.00	0.04	0.96	
1215	0.0	0.16	0.0	0,52,0	0.17	7.23e-03	0.02226,210,204	0.32	226	0.0	0.0	0.0	
	8.65e-03	0.01	0.0	210,52,0	0.17	9.82e-03	9.82e-03226,210,210			1.00	0.04	0.96	
1216	0.0	0.24	0.0	0,52,0	0.26	7.23e-03	0.03225,210,52	0.39	225	0.0	0.0	0.0	
	0.0	0.01	0.0	0,52,0	0.26	3.19e-03	3.19e-03225,207,207			0.0	0.0	0.0	
1217	0.0	0.24	0.0	0,52,0	0.26	5.59e-03	0.03226,211,52	0.39	226	0.0	0.0	0.0	

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2641 DI 2790

	0.01	0.02	0.0	230,229,0	0.26	1.38e-03	1.38e-03226,204,204			1.00	0.04	0.96
1413	0.04	0.20	0.0	225,52,0	0.21	2.31e-03	0.02225,210,52	0.35	225	0.85	0.06	0.94
	6.57e-03	6.15e-03	0.0	205,52,0	0.21	2.25e-03	2.25e-03225,208,208			1.00	0.04	0.96
1414	0.04	0.20	0.0	225,52,0	0.20	2.31e-03	0.02225,210,52	0.34	225	0.85	0.06	0.94
	2.90e-03	6.15e-03	0.0	205,52,0	0.20	2.16e-03	2.16e-03225,213,213			1.00	0.04	0.96
1415	0.02	0.19	0.0	225,52,0	0.21	3.00e-03	0.02225,211,52	0.35	225	0.85	0.06	0.94
	7.82e-03	5.88e-03	0.0	208,211,0	0.21	3.16e-03	3.16e-03225,208,208			1.00	0.04	0.96
1416	0.0	0.18	0.0	0,52,0	0.21	6.49e-03	0.02225,211,52	0.36	225	0.0	0.0	0.0
	0.01	9.25e-03	0.0	208,205,0	0.21	3.71e-03	3.71e-03225,208,208			1.00	0.04	0.96
1417	0.0	0.20	0.0	0,52,0	0.21	3.44e-03	0.02225,210,52	0.35	225	0.0	0.0	0.0
	6.57e-03	5.28e-03	0.0	205,209,0	0.21	1.95e-03	1.95e-03225,205,205			1.00	0.04	0.96
1418	0.0	0.20	0.0	0,52,0	0.20	3.44e-03	0.02226,210,52	0.34	226	0.0	0.0	0.0
	2.90e-03	2.52e-03	0.0	205,210,0	0.20	1.95e-03	1.95e-03226,205,205			1.00	0.04	0.96
1419	0.0	0.19	0.0	0,52,0	0.21	2.46e-03	0.02225,210,52	0.35	225	0.0	0.0	0.0
	8.93e-03	7.99e-03	0.0	206,205,0	0.21	2.16e-03	2.16e-03225,215,215			1.00	0.04	0.96
1420	0.0	0.18	0.0	0,52,0	0.21	2.03e-03	0.02225,210,52	0.36	225	0.0	0.0	0.0
	0.01	0.01	0.0	206,205,0	0.21	3.07e-03	3.07e-03225,207,207			1.00	0.04	0.96
1421	0.0	0.17	0.0	0,52,0	0.20	3.79e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	7.31e-03	7.28e-03	0.0	210,209,0	0.20	3.54e-03	3.54e-03226,209,209			1.00	0.04	0.96
1422	0.0	0.17	0.0	0,52,0	0.20	3.79e-03	0.02226,207,52	0.34	226	0.0	0.0	0.0
	2.74e-03	3.77e-03	0.0	210,209,0	0.20	2.71e-03	2.71e-03226,204,204			1.00	0.04	0.96
1423	0.0	0.17	0.0	0,52,0	0.20	2.46e-03	0.02226,210,52	0.35	226	0.0	0.0	0.0
	9.62e-03	8.77e-03	0.0	210,209,0	0.20	3.58e-03	3.58e-03226,209,209			1.00	0.04	0.96
1424	0.0	0.17	0.0	0,52,0	0.21	1.20e-03	0.02226,211,52	0.35	226	0.0	0.0	0.0
	0.01	0.01	0.0	206,205,0	0.21	3.58e-03	3.58e-03226,209,209			1.00	0.04	0.96
1425	0.0	0.19	0.0	0,52,0	0.20	3.79e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.20	7.40e-03	7.40e-03226,209,209			1.00	0.04	0.96
1426	0.0	0.19	0.0	0,52,0	0.20	3.79e-03	0.02226,207,52	0.34	226	0.0	0.0	0.0
	9.64e-03	8.70e-03	0.0	210,209,0	0.20	4.54e-03	4.54e-03226,204,204			1.00	0.04	0.96
1427	0.0	0.19	0.0	0,52,0	0.20	2.33e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.20	7.40e-03	7.40e-03226,209,209			1.00	0.04	0.96
1428	0.0	0.18	0.0	0,52,0	0.21	1.18e-03	0.02226,209,52	0.35	226	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.21	7.36e-03	7.36e-03226,207,207			1.00	0.04	0.96
1429	0.0	0.24	0.0	0,52,0	0.21	3.00e-03	0.03226,209,52	0.35	226	0.0	0.0	0.0
	0.04	0.03	0.0	210,209,0	0.21	7.40e-03	7.40e-03226,209,209			1.00	0.04	0.96
1430	0.0	0.24	0.0	0,52,0	0.20	3.00e-03	0.03226,209,52	0.35	226	0.0	0.0	0.0
	0.02	0.01	0.0	210,209,0	0.20	4.54e-03	4.54e-03226,204,204			1.00	0.04	0.96
1431	0.0	0.23	0.0	0,52,0	0.21	2.28e-03	0.03226,207,52	0.36	226	0.0	0.0	0.0
	0.04	0.03	0.0	210,209,0	0.21	7.40e-03	7.40e-03226,209,209			1.00	0.04	0.96
1432	0.0	0.22	0.0	0,52,0	0.21	5.51e-03	0.03226,207,52	0.36	226	0.0	0.0	0.0
	0.04	0.03	0.0	210,209,0	0.21	7.36e-03	7.36e-03226,207,207			1.00	0.04	0.96
1433	0.11	0.24	0.0	226,52,0	0.21	0.02	0.03226,209,229	0.35	226	0.85	0.06	0.94
	0.04	0.03	0.0	210,209,0	0.21	0.02	0.02226,209,209			1.00	0.04	0.96
1434	0.11	0.24	0.0	226,52,0	0.20	0.02	0.03226,209,229	0.35	226	0.85	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.20	5.52e-03	5.52e-03226,220,220			1.00	0.04	0.96
1435	0.08	0.23	0.0	226,52,0	0.21	0.01	0.04226,209,209	0.36	226	0.85	0.06	0.94
	0.04	0.03	0.0	210,209,0	0.21	0.02	0.02226,209,209			1.00	0.04	0.96
1436	0.06	0.22	0.0	226,52,0	0.21	0.02	0.04226,207,209	0.36	226	0.85	0.06	0.94
	0.04	0.03	0.0	210,209,0	0.21	0.02	0.02226,209,209			1.00	0.04	0.96
1437	0.11	0.18	0.0	226,225,0	0.19	0.02	0.03226,209,229	0.33	226	0.85	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.19	0.02	0.02226,209,209			1.00	0.04	0.96
1438	0.11	0.17	0.0	226,225,0	0.19	0.02	0.03226,209,229	0.33	226	0.85	0.06	0.94
	4.58e-03	0.01	0.0	210,209,0	0.19	5.52e-03	5.52e-03226,220,220			1.00	0.04	0.96
1439	0.08	0.18	0.0	226,225,0	0.18	0.01	0.04225,209,209	0.32	225	0.85	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.18	0.02	0.02225,209,209			1.00	0.04	0.96
1440	0.06	0.18	0.0	226,225,0	0.17	0.02	0.04225,207,209	0.32	225	0.85	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.17	0.02	0.02225,209,209			1.00	0.04	0.96
1441	0.0	0.17	0.0	0,52,0	0.22	7.11e-03	0.02225,211,206	0.36	225	0.0	0.0	0.0
	0.02	0.02	0.0	218,217,0	0.22	4.66e-03	4.66e-03225,210,210			1.00	0.04	0.96
1442	0.0	0.17	0.0	0,52,0	0.22	7.11e-03	0.02225,211,206	0.36	225	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.22	9.82e-03	9.82e-03225,210,210			1.00	0.04	0.96
1443	0.0	0.17	0.0	0,52,0	0.22	1.70e-03	0.02225,210,52	0.36	225	0.0	0.0	0.0
	0.02	0.02	0.0	218,217,0	0.22	3.07e-03	3.07e-03225,207,207			1.00	0.04	0.96
1444	0.0	0.17	0.0	0,52,0	0.22	1.17e-03	0.02225,207,52	0.36	225	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.22	1.04e-03	1.04e-03225,205,205			1.00	0.04	0.96
1445	0.0	0.17	0.0	0,52,0	0.21	1.33e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.01	0.01	0.0	206,205,0	0.21	1.61e-03	1.61e-03226,209,209			1.00	0.04	0.96
1446	0.0	0.17	0.0	0,52,0	0.21	1.33e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.21	2.47e-03	2.47e-03226,207,207			1.00	0.04	0.96
1447	0.0	0.18	0.0	0,52,0	0.21	1.33e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.02	0.02	0.0	218,217,0	0.21	3.38e-03	3.38e-03226,209,209			1.00	0.04	0.96
1448	0.0	0.18	0.0	0,52,0	0.21	1.33e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.03	0.03	0.0	210,209,0	0.21	4.28e-03	4.28e-03226,204,204			1.00	0.04	0.96
1449	0.0	0.21	0.0	0,52,0	0.21	5.51e-03	0.02226,207,52	0.36	226	0.0	0.0	0.0
	0.04	0.03	0.0	210,209,0	0.21	4.49e-03	4.49e-03226,209,209			1.00	0.04	0.96

1450	0.0	0.21	0.0	0,52,0	0.21	3.00e-03	0.02226,210,52	0.35	226	0.0	0.0	0.0
	0.04	0.04	0.0	210,207,0	0.21	4.49e-03	4.49e-03226,209,209			1.00	0.04	0.96
1451	0.03	0.21	0.0	226,52,0	0.21	0.02	0.04226,207,209	0.36	226	0.85	0.06	0.94
	0.04	0.03	0.0	210,209,0	0.21	0.02	0.02226,207,207			1.00	0.04	0.96
1452	0.02	0.21	0.0	226,52,0	0.21	0.02	0.04226,207,209	0.35	226	0.85	0.06	0.94
	0.04	0.04	0.0	210,207,0	0.21	0.02	0.02226,207,207			1.00	0.04	0.96
1453	0.03	0.19	0.0	226,225,0	0.16	0.02	0.04225,207,209	0.31	225	0.85	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.16	0.02	0.02225,207,207			1.00	0.04	0.96
1454	0.02	0.20	0.0	226,52,0	0.15	0.02	0.04225,207,209	0.30	225	0.85	0.06	0.94
	0.02	0.02	0.0	207,210,0	0.15	0.02	0.02225,207,207			1.00	0.04	0.96
1455	0.0	0.17	0.0	0,52,0	0.22	7.23e-03	0.02225,210,204	0.36	225	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.22	9.82e-03	9.82e-03225,210,210			1.00	0.04	0.96
1456	0.0	0.24	0.0	0,52,0	0.26	7.23e-03	0.03226,210,52	0.39	226	0.0	0.0	0.0
	0.01	0.02	0.0	230,229,0	0.26	3.19e-03	3.19e-03226,207,207			1.00	0.04	0.96
1457	0.0	0.19	0.0	0,52,0	0.26	5.59e-03	0.02226,211,52	0.39	226	0.0	0.0	0.0
	0.01	0.02	0.0	230,229,0	0.26	1.38e-03	1.38e-03226,204,204			1.00	0.04	0.96
1458	0.0	0.17	0.0	0,52,0	0.22	2.77e-03	0.02225,211,52	0.36	225	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.22	2.89e-03	2.89e-03225,210,210			1.00	0.04	0.96
1459	0.0	0.16	0.0	0,52,0	0.22	4.31e-03	0.02225,211,52	0.36	225	0.0	0.0	0.0
	9.88e-03	0.02	0.0	210,209,0	0.22	2.89e-03	2.89e-03225,210,210			1.00	0.04	0.96
1460	0.0	0.16	0.0	0,52,0	0.22	4.31e-03	0.02225,211,52	0.36	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.22	1.54e-03	1.54e-03225,204,204			0.0	0.0	0.0
1461	0.0	0.17	0.0	0,52,0	0.21	1.59e-03	0.02225,211,52	0.35	225	0.0	0.0	0.0
	0.02	0.02	0.0	210,209,0	0.21	2.47e-03	2.47e-03225,207,207			1.00	0.04	0.96
1462	0.0	0.17	0.0	0,52,0	0.21	2.45e-03	0.02225,211,52	0.35	225	0.0	0.0	0.0
	0.01	0.02	0.0	210,209,0	0.21	2.13e-03	2.13e-03225,207,207			1.00	0.04	0.96
1463	0.0	0.17	0.0	0,52,0	0.21	2.45e-03	0.02225,211,52	0.35	225	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.21	1.62e-03	1.62e-03225,204,204			0.0	0.0	0.0
1464	0.0	0.18	0.0	0,52,0	0.21	1.29e-03	0.02226,206,52	0.35	226	0.0	0.0	0.0
	0.03	0.03	0.0	210,209,0	0.21	4.28e-03	4.28e-03226,204,204			1.00	0.04	0.96
1465	0.0	0.18	0.0	0,52,0	0.21	2.82e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.02	0.03	0.0	210,209,0	0.21	2.13e-03	2.13e-03226,207,207			1.00	0.04	0.96
1466	0.0	0.17	0.0	0,52,0	0.20	2.82e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.20	1.62e-03	1.62e-03226,204,204			0.0	0.0	0.0
1467	0.0	0.20	0.0	0,52,0	0.21	3.12e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.04	0.04	0.0	210,207,0	0.21	4.65e-03	4.65e-03226,210,210			1.00	0.04	0.96
1468	0.0	0.20	0.0	0,52,0	0.21	5.96e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.02	0.03	0.0	210,209,0	0.21	4.65e-03	4.65e-03226,210,210			1.00	0.04	0.96
1469	0.0	0.17	0.0	0,52,0	0.20	5.96e-03	0.02226,207,52	0.35	226	0.0	0.0	0.0
	0.0	0.02	0.0	0,52,0	0.20	2.44e-03	2.44e-03226,229,229			0.0	0.0	0.0
1470	0.01	0.21	0.0	230,52,0	0.21	0.01	0.03226,207,223	0.35	226	0.85	0.06	0.94
	0.04	0.04	0.0	210,207,0	0.21	0.02	0.02226,207,207			1.00	0.04	0.96
1471	3.52e-03	0.34	0.0	226,52,0	0.26	0.01	0.04226,207,52	0.39	226	0.85	0.06	0.94
	0.01	0.02	0.0	210,209,0	0.26	6.10e-03	6.10e-03226,207,207			1.00	0.04	0.96
1472	0.0	0.24	0.0	0,52,0	0.22	5.96e-03	0.03225,207,52	0.36	225	0.0	0.0	0.0
	6.12e-04	0.02	0.0	229,52,0	0.22	3.24e-03	3.24e-03225,208,208			1.00	0.04	0.96
1473	0.01	0.21	0.0	230,52,0	0.15	0.01	0.03226,207,223	0.30	226	0.85	0.06	0.94
	0.02	0.02	0.0	207,210,0	0.15	0.02	0.02226,207,207			1.00	0.04	0.96
1474	3.52e-03	0.34	0.0	226,52,0	0.26	0.01	0.04226,207,52	0.39	226	0.85	0.06	0.94
	0.0	0.02	0.0	0,52,0	0.26	6.10e-03	6.10e-03226,207,207			0.0	0.0	0.0
1475	0.0	0.34	0.0	0,52,0	0.26	7.24e-03	0.04226,207,52	0.39	226	0.0	0.0	0.0
	6.12e-04	0.02	0.0	229,52,0	0.26	3.24e-03	3.24e-03226,208,208			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.11	0.34	0.0	0.26	0.02	0.04	0.39

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
40	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.80	-185.5	194	0.79	-183.2	194	0.70	-2146.5	-3.486e+06	234

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1304	0.12	0.15	0.0	223,220,0	0.26	3.64e-03	0.02226,220,220	0.39	226	0.85	0.06	0.94	
	3.64e-03	7.66e-03	0.0	223,220,0	0.26	4.17e-03	4.17e-03226,204,204			1.00	0.04	0.96	
1305	0.12	0.15	0.0	223,220,0	0.26	3.64e-03	0.02226,220,220	0.39	226	0.85	0.06	0.94	
	4.96e-04	5.81e-03	0.0	223,52,0	0.26	2.97e-03	2.97e-03226,212,212			1.00	0.04	0.96	
1306	0.09	0.14	0.0	223,220,0	0.24	3.72e-03	0.02226,207,220	0.38	226	0.85	0.06	0.94	

	3.64e-03	7.66e-03	0.0 223,220,0	0.24	4.46e-03	4.46e-03226,204,204			1.00	0.04	0.96
1307	0.06	0.13	0.0 223,220,0	0.23	7.91e-03	0.02214,204,204	0.37	214	0.85	0.06	0.94
	3.63e-03	6.47e-03	0.0 208,204,0	0.23	4.50e-03	4.50e-03214,204,204			1.00	0.04	0.96
1318	0.04	0.11	0.0 223,220,0	0.23	9.08e-03	0.02213,204,204	0.37	213	0.85	0.06	0.94
	6.33e-03	6.76e-03	0.0 207,207,0	0.23	6.11e-03	6.11e-03213,207,207			1.00	0.04	0.96
1319	9.80e-03	0.10	0.0 223,52,0	0.24	9.08e-03	0.02213,204,204	0.38	213	0.85	0.06	0.94
	0.01	0.01	0.0 204,207,0	0.24	0.01	0.01213,207,207			1.00	0.04	0.96
1335	0.0	0.11	0.0 0,52,0	0.25	8.50e-03	0.02213,204,204	0.39	213	0.0	0.0	0.0
	0.01	0.01	0.0 204,207,0	0.25	0.01	0.01213,207,207			1.00	0.04	0.96
1336	0.0	0.17	0.0 0,52,0	0.35	8.50e-03	0.02213,204,52	0.45	213	0.0	0.0	0.0
	1.32e-03	0.01	0.0 210,52,0	0.35	3.97e-03	3.97e-03213,207,207			1.00	0.04	0.96
1337	0.0	0.17	0.0 0,52,0	0.35	6.35e-03	0.02213,207,52	0.45	213	0.0	0.0	0.0
	0.06	0.05	0.0 210,209,0	0.35	1.61e-03	1.61e-03213,209,209			1.00	0.04	0.96
1476	0.12	0.15	0.0 223,220,0	0.30	3.64e-03	0.02225,220,220	0.42	225	0.85	0.06	0.94
	9.65e-03	0.01	0.0 207,204,0	0.30	4.17e-03	4.17e-03225,204,204			1.00	0.04	0.96
1477	0.12	0.15	0.0 223,220,0	0.28	3.64e-03	0.02225,220,220	0.41	225	0.85	0.06	0.94
	5.03e-03	6.65e-03	0.0 223,220,0	0.28	2.97e-03	2.97e-03225,212,212			1.00	0.04	0.96
1478	0.09	0.14	0.0 223,220,0	0.31	3.72e-03	0.02225,207,220	0.43	225	0.85	0.06	0.94
	9.65e-03	0.01	0.0 207,204,0	0.31	4.46e-03	4.46e-03225,204,204			1.00	0.04	0.96
1479	0.06	0.13	0.0 223,220,0	0.32	7.91e-03	0.02225,204,204	0.43	225	0.85	0.06	0.94
	8.42e-03	0.01	0.0 207,204,0	0.32	4.50e-03	4.50e-03225,204,204			1.00	0.04	0.96
1480	0.0	0.13	0.0 0,52,0	0.30	3.74e-03	0.01225,210,52	0.42	225	0.0	0.0	0.0
	9.65e-03	0.01	0.0 207,204,0	0.30	2.37e-03	2.37e-03225,204,204			1.00	0.04	0.96
1481	0.0	0.13	0.0 0,52,0	0.28	3.74e-03	0.01225,210,52	0.41	225	0.0	0.0	0.0
	5.03e-03	6.65e-03	0.0 223,220,0	0.28	2.37e-03	2.37e-03225,204,204			1.00	0.04	0.96
1482	0.0	0.12	0.0 0,52,0	0.31	2.73e-03	0.01225,210,52	0.43	225	0.0	0.0	0.0
	9.65e-03	0.01	0.0 207,204,0	0.31	2.85e-03	2.85e-03225,207,207			1.00	0.04	0.96
1483	0.0	0.11	0.0 0,52,0	0.32	2.35e-03	0.01225,207,52	0.43	225	0.0	0.0	0.0
	0.01	0.02	0.0 205,209,0	0.32	3.72e-03	3.72e-03225,207,207			1.00	0.04	0.96
1484	0.0	0.10	0.0 0,52,0	0.29	4.05e-03	0.01226,207,52	0.41	226	0.0	0.0	0.0
	0.01	0.01	0.0 210,209,0	0.29	3.63e-03	3.63e-03226,210,210			1.00	0.04	0.96
1485	0.0	0.10	0.0 0,52,0	0.28	4.05e-03	0.01226,207,52	0.41	226	0.0	0.0	0.0
	5.20e-03	7.57e-03	0.0 210,209,0	0.28	3.03e-03	3.03e-03226,205,205			1.00	0.04	0.96
1486	0.0	0.10	0.0 0,52,0	0.30	2.73e-03	0.01226,210,52	0.42	226	0.0	0.0	0.0
	0.01	0.02	0.0 210,209,0	0.30	3.80e-03	3.80e-03226,209,209			1.00	0.04	0.96
1487	0.0	0.10	0.0 0,52,0	0.30	1.38e-03	0.01225,204,52	0.42	225	0.0	0.0	0.0
	0.01	0.02	0.0 210,209,0	0.30	3.80e-03	3.80e-03225,209,209			1.00	0.04	0.96
1488	0.0	0.12	0.0 0,52,0	0.29	4.05e-03	0.01226,207,52	0.41	226	0.0	0.0	0.0
	0.03	0.03	0.0 210,209,0	0.29	7.69e-03	7.69e-03226,210,210			1.00	0.04	0.96
1489	0.0	0.12	0.0 0,52,0	0.28	4.05e-03	0.01226,207,52	0.41	226	0.0	0.0	0.0
	0.01	0.01	0.0 210,209,0	0.28	5.17e-03	5.17e-03226,209,209			1.00	0.04	0.96
1490	0.0	0.12	0.0 0,52,0	0.30	2.52e-03	0.01226,207,52	0.42	226	0.0	0.0	0.0
	0.03	0.03	0.0 210,209,0	0.30	7.88e-03	7.88e-03226,210,210			1.00	0.04	0.96
1491	0.0	0.12	0.0 0,52,0	0.30	1.38e-03	0.01226,204,52	0.42	226	0.0	0.0	0.0
	0.02	0.02	0.0 210,209,0	0.30	7.88e-03	7.88e-03226,210,210			1.00	0.04	0.96
1492	0.01	0.17	0.0 226,52,0	0.30	3.99e-03	0.02226,209,229	0.42	226	0.85	0.06	0.94
	0.05	0.04	0.0 210,209,0	0.30	7.69e-03	7.69e-03226,210,210			1.00	0.04	0.96
1493	2.80e-03	0.17	0.0 226,52,0	0.29	3.99e-03	0.02226,209,229	0.41	226	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0	0.29	5.17e-03	5.17e-03226,209,209			1.00	0.04	0.96
1494	0.02	0.15	0.0 226,52,0	0.30	2.55e-03	0.02226,207,221	0.42	226	0.85	0.06	0.94
	0.05	0.04	0.0 210,209,0	0.30	7.88e-03	7.88e-03226,210,210			1.00	0.04	0.96
1495	0.02	0.15	0.0 226,225,0	0.30	5.78e-03	0.02226,210,209	0.42	226	0.85	0.06	0.94
	0.04	0.04	0.0 210,209,0	0.30	7.88e-03	7.88e-03226,210,210			1.00	0.04	0.96
1496	0.21	0.25	0.0 234,229,0	0.30	0.02	0.05226,209,209	0.42	226	0.85	0.06	0.94
	0.05	0.04	0.0 210,209,0	0.30	0.02	0.02226,209,209			1.00	0.04	0.96
1497	0.21	0.25	0.0 234,233,0	0.29	0.02	0.05226,209,209	0.41	226	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0	0.29	5.55e-03	5.55e-03226,220,220			1.00	0.04	0.96
1498	0.19	0.25	0.0 230,229,0	0.30	0.02	0.05226,207,209	0.42	226	0.85	0.06	0.94
	0.05	0.04	0.0 210,209,0	0.30	0.02	0.02226,209,209			1.00	0.04	0.96
1499	0.16	0.24	0.0 230,229,0	0.30	0.02	0.05226,210,209	0.42	226	0.85	0.06	0.94
	0.04	0.04	0.0 210,209,0	0.30	0.02	0.02226,209,209			1.00	0.04	0.96
1500	0.21	0.25	0.0 234,229,0	0.27	0.02	0.05226,209,209	0.40	226	0.85	0.06	0.94
	0.03	0.03	0.0 210,209,0	0.27	0.02	0.02226,209,209			1.00	0.04	0.96
1501	0.21	0.25	0.0 234,233,0	0.27	0.02	0.05226,209,209	0.40	226	0.85	0.06	0.94
	8.12e-03	0.01	0.0 210,209,0	0.27	5.55e-03	5.55e-03226,220,220			1.00	0.04	0.96
1502	0.19	0.25	0.0 230,229,0	0.24	0.02	0.05226,207,209	0.38	226	0.85	0.06	0.94
	0.03	0.03	0.0 210,209,0	0.24	0.02	0.02226,209,209			1.00	0.04	0.96
1503	0.16	0.24	0.0 230,229,0	0.23	0.02	0.05226,210,209	0.37	226	0.85	0.06	0.94
	0.02	0.02	0.0 210,209,0	0.23	0.02	0.02226,209,209			1.00	0.04	0.96
1504	0.04	0.11	0.0 223,52,0	0.32	9.08e-03	0.02225,204,204	0.44	225	0.85	0.06	0.94
	0.03	0.02	0.0 207,207,0	0.32	6.11e-03	6.11e-03225,207,207			1.00	0.04	0.96
1505	9.80e-03	0.11	0.0 223,52,0	0.32	9.08e-03	0.02225,204,204	0.44	225	0.85	0.06	0.94
	0.03	0.02	0.0 207,207,0	0.32	0.01	0.01225,207,207			1.00	0.04	0.96
1506	0.0	0.11	0.0 0,52,0	0.32	2.07e-03	0.01225,207,52	0.44	225	0.0	0.0	0.0
	0.03	0.02	0.0 207,207,0	0.32	3.72e-03	3.72e-03225,207,207			1.00	0.04	0.96

1507	0.0	0.11	0.0	0,52,0	0.32	1.31e-03	0.01225,210,52	0.44	225	0.0	0.0	0.0
	0.03	0.02	0.0	207,207,0	0.32	1.84e-03	1.84e-03225,221,221			1.00	0.04	0.96
1508	0.0	0.10	0.0	0,52,0	0.31	1.48e-03	0.01225,207,52	0.43	225	0.0	0.0	0.0
	0.02	0.02	0.0	215,209,0	0.31	2.02e-03	2.02e-03225,209,209			1.00	0.04	0.96
1509	0.0	0.10	0.0	0,52,0	0.31	1.48e-03	0.01225,207,52	0.43	225	0.0	0.0	0.0
	0.03	0.03	0.0	207,207,0	0.31	2.48e-03	2.48e-03225,210,210			1.00	0.04	0.96
1510	0.0	0.11	0.0	0,52,0	0.31	1.48e-03	0.01226,207,52	0.43	226	0.0	0.0	0.0
	0.03	0.02	0.0	215,209,0	0.31	3.65e-03	3.65e-03226,204,204			1.00	0.04	0.96
1511	0.0	0.11	0.0	0,52,0	0.31	1.48e-03	0.01226,207,52	0.43	226	0.0	0.0	0.0
	0.04	0.03	0.0	210,207,0	0.31	4.58e-03	4.58e-03226,209,209			1.00	0.04	0.96
1512	0.02	0.15	0.0	226,225,0	0.30	5.78e-03	0.02226,210,209	0.42	226	0.85	0.06	0.94
	0.04	0.03	0.0	207,207,0	0.30	5.25e-03	5.25e-03226,209,209			1.00	0.04	0.96
1513	0.02	0.14	0.0	230,225,0	0.30	3.20e-03	0.02226,209,209	0.42	226	0.85	0.06	0.94
	0.04	0.04	0.0	210,207,0	0.30	5.25e-03	5.25e-03226,209,209			1.00	0.04	0.96
1514	0.12	0.22	0.0	226,225,0	0.30	0.02	0.05226,209,209	0.42	226	0.85	0.06	0.94
	0.04	0.03	0.0	207,207,0	0.30	0.02	0.02226,207,207			1.00	0.04	0.96
1515	0.10	0.22	0.0	226,225,0	0.30	0.02	0.05226,209,209	0.42	226	0.85	0.06	0.94
	0.04	0.04	0.0	210,207,0	0.30	0.02	0.02226,210,210			1.00	0.04	0.96
1516	0.12	0.22	0.0	226,225,0	0.22	0.02	0.05226,209,209	0.36	226	0.85	0.06	0.94
	0.02	0.02	0.0	207,207,0	0.22	0.02	0.02226,207,207			1.00	0.04	0.96
1517	0.10	0.22	0.0	226,225,0	0.21	0.02	0.05226,209,209	0.35	226	0.85	0.06	0.94
	0.02	0.02	0.0	204,207,0	0.21	0.02	0.02226,210,210			1.00	0.04	0.96
1518	0.0	0.11	0.0	0,52,0	0.32	8.50e-03	0.02225,204,204	0.44	225	0.0	0.0	0.0
	0.03	0.02	0.0	207,207,0	0.32	0.01	0.01225,207,207			1.00	0.04	0.96
1519	0.0	0.17	0.0	0,52,0	0.35	8.50e-03	0.02213,204,52	0.45	213	0.0	0.0	0.0
	0.06	0.05	0.0	210,209,0	0.35	3.97e-03	3.97e-03213,207,207			1.00	0.04	0.96
1520	0.0	0.12	0.0	0,52,0	0.32	6.35e-03	0.01225,207,52	0.43	225	0.0	0.0	0.0
	0.06	0.05	0.0	210,209,0	0.32	1.30e-03	1.30e-03225,210,210			1.00	0.04	0.96
1521	0.0	0.10	0.0	0,52,0	0.32	3.16e-03	0.01225,210,52	0.44	225	0.0	0.0	0.0
	0.03	0.02	0.0	207,207,0	0.32	3.54e-03	3.54e-03225,207,207			1.00	0.04	0.96
1522	0.0	0.10	0.0	0,52,0	0.32	4.66e-03	0.01225,211,52	0.44	225	0.0	0.0	0.0
	0.02	0.03	0.0	210,209,0	0.32	3.54e-03	3.54e-03225,207,207			1.00	0.04	0.96
1523	0.0	0.09	0.0	0,52,0	0.32	4.66e-03	0.01225,211,208	0.43	225	0.0	0.0	0.0
	0.02	0.03	0.0	210,209,0	0.32	1.83e-03	1.83e-03225,206,206			1.00	0.04	0.96
1524	0.0	0.10	0.0	0,52,0	0.32	1.73e-03	0.01225,206,52	0.43	225	0.0	0.0	0.0
	0.03	0.03	0.0	207,207,0	0.32	2.48e-03	2.48e-03225,210,210			1.00	0.04	0.96
1525	0.0	0.10	0.0	0,52,0	0.32	2.69e-03	0.01225,211,52	0.43	225	0.0	0.0	0.0
	0.02	0.03	0.0	210,209,0	0.32	2.19e-03	2.19e-03225,210,210			1.00	0.04	0.96
1526	0.0	0.10	0.0	0,52,0	0.32	2.69e-03	0.01225,211,52	0.43	225	0.0	0.0	0.0
	0.02	0.03	0.0	210,209,0	0.32	1.86e-03	1.86e-03225,206,206			1.00	0.04	0.96
1527	0.0	0.11	0.0	0,52,0	0.31	1.48e-03	0.01226,207,52	0.43	226	0.0	0.0	0.0
	0.04	0.03	0.0	210,207,0	0.31	4.58e-03	4.58e-03226,209,209			1.00	0.04	0.96
1528	0.0	0.11	0.0	0,52,0	0.31	2.98e-03	0.01226,207,52	0.43	226	0.0	0.0	0.0
	0.02	0.03	0.0	210,204,0	0.31	2.19e-03	2.19e-03226,210,210			1.00	0.04	0.96
1529	0.0	0.11	0.0	0,52,0	0.30	2.98e-03	0.01226,207,52	0.42	226	0.0	0.0	0.0
	0.02	0.03	0.0	210,204,0	0.30	1.86e-03	1.86e-03226,206,206			1.00	0.04	0.96
1530	0.02	0.14	0.0	230,225,0	0.30	3.53e-03	0.02226,207,209	0.42	226	0.85	0.06	0.94
	0.04	0.04	0.0	210,207,0	0.30	4.65e-03	4.65e-03226,209,209			1.00	0.04	0.96
1531	0.03	0.13	0.0	226,225,0	0.30	6.48e-03	0.02226,207,209	0.42	226	0.85	0.06	0.94
	0.02	0.03	0.0	210,204,0	0.30	4.65e-03	4.65e-03226,209,209			1.00	0.04	0.96
1532	0.03	0.12	0.0	226,225,0	0.30	6.48e-03	0.02226,207,209	0.42	226	0.85	0.06	0.94
	0.02	0.03	0.0	207,204,0	0.30	1.16e-03	1.16e-03226,209,209			1.00	0.04	0.96
1533	0.09	0.21	0.0	226,225,0	0.30	0.01	0.04226,209,209	0.42	226	0.85	0.06	0.94
	0.04	0.04	0.0	210,207,0	0.30	0.02	0.02226,210,210			1.00	0.04	0.96
1534	0.07	0.26	0.0	226,225,0	0.31	0.01	0.05226,209,223	0.42	226	0.85	0.06	0.94
	0.04	0.04	0.0	223,220,0	0.31	7.56e-03	7.56e-03226,210,210			1.00	0.04	0.96
1535	0.04	0.17	0.0	226,225,0	0.29	6.48e-03	0.02226,207,225	0.41	226	0.85	0.06	0.94
	0.04	0.04	0.0	223,220,0	0.29	2.81e-03	2.81e-03226,207,207			1.00	0.04	0.96
1536	0.09	0.21	0.0	226,225,0	0.20	0.01	0.04226,209,209	0.35	226	0.85	0.06	0.94
	0.02	0.02	0.0	204,207,0	0.20	0.02	0.02226,210,210			1.00	0.04	0.96
1537	0.07	0.26	0.0	226,225,0	0.31	0.01	0.05226,209,223	0.42	226	0.85	0.06	0.94
	4.32e-03	0.02	0.0	207,52,0	0.31	7.56e-03	7.56e-03226,210,210			1.00	0.04	0.96
1538	0.04	0.26	0.0	220,225,0	0.31	9.97e-03	0.05226,207,223	0.42	226	0.85	0.06	0.94
	0.04	0.04	0.0	223,220,0	0.31	2.81e-03	2.81e-03226,207,207			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.21	0.26	0.0	0.35	0.02	0.05	0.45

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
41	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V		Rif. cmb	V. testa	Azione V		Rif. cmb	V. h-d	Azione N		Azione M	Rif. cmb
	ok	0.51	kN			kN					kN	kN m	
			56.2	177	0.48	-52.8	175		0.19		-4606.7	-9.748e+05	204
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1374	0.04	0.17	0.0	232,235,0	0.06	2.10e-03	0.02207,18,235		0.19	207	0.85	0.06	0.94
	0.07	0.04	0.0	18,19,0	0.06	0.01	0.01 207,19,19				1.00	0.04	0.96
1375	0.04	0.17	0.0	232,235,0	0.03	2.10e-03	0.02209,18,235		0.14	209	0.85	0.06	0.94
	0.03	0.02	0.0	18,19,0	0.03	4.81e-03	4.81e-03 209,19,19				1.00	0.04	0.96
1376	0.03	0.16	0.0	232,235,0	0.13	8.97e-04	0.02207,18,235		0.28	207	0.85	0.06	0.94
	0.10	0.06	0.0	18,19,0	0.13	0.02	0.02 207,19,19				1.00	0.04	0.96
1377	0.03	0.15	0.0	232,235,0	0.17	5.93e-04	0.02207,228,235		0.31	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.17	0.02	0.02 207,19,19				1.00	0.04	0.96
1390	0.02	0.14	0.0	232,235,0	0.18	6.80e-04	0.02207,228,235		0.32	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.18	0.02	0.02 207,19,19				1.00	0.04	0.96
1391	0.01	0.13	0.0	232,52,0	0.18	6.80e-04	0.01207,228,52		0.32	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.18	0.02	0.02 207,19,19				1.00	0.04	0.96
1410	5.91e-03	0.13	0.0	232,52,0	0.14	6.65e-04	0.01223,232,52		0.29	223	0.85	0.06	0.94
	0.10	0.07	0.0	22,19,0	0.14	0.02	0.02 223,19,19				1.00	0.04	0.96
1411	0.0	0.13	0.0	0,52,0	0.20	3.06e-03	0.01 223,18,52		0.34	223	0.0	0.0	0.0
	0.07	0.05	0.0	19,19,0	0.20	0.02	0.02 223,19,19				1.00	0.04	0.96
1412	0.0	0.11	0.0	0,52,0	0.20	3.06e-03	0.01 223,18,52		0.34	223	0.0	0.0	0.0
	0.02	0.02	0.0	19,19,0	0.20	7.15e-03	7.15e-03 223,44,44				1.00	0.04	0.96
1539	0.04	0.17	0.0	232,235,0	0.06	6.34e-03	0.02207,18,235		0.19	207	0.85	0.06	0.94
	0.07	0.04	0.0	18,207,0	0.06	0.01	0.01 207,19,19				1.00	0.04	0.96
1540	0.04	0.17	0.0	232,235,0	0.03	6.34e-03	0.02207,18,235		0.14	207	0.85	0.06	0.94
	0.03	0.02	0.0	18,19,0	0.03	4.81e-03	4.81e-03 207,19,19				1.00	0.04	0.96
1541	0.03	0.16	0.0	232,235,0	0.13	3.89e-03	0.02207,18,235		0.28	207	0.85	0.06	0.94
	0.10	0.06	0.0	18,19,0	0.13	0.02	0.02 207,19,19				1.00	0.04	0.96
1542	0.03	0.15	0.0	232,235,0	0.17	2.29e-03	0.02207,18,235		0.31	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.17	0.02	0.02 207,19,19				1.00	0.04	0.96
1543	0.04	0.04	0.0	204,207,0	0.04	0.01	0.02 207,18,18		0.16	207	0.85	0.06	0.94
	0.11	0.07	0.0	204,207,0	0.04	7.12e-03	7.12e-03 207,19,19				1.00	0.04	0.96
1544	0.04	0.04	0.0	204,207,0	0.03	0.01	0.02 210,18,18		0.13	210	0.85	0.06	0.94
	0.01	8.29e-03	0.0	19,18,0	0.03	1.26e-03	1.26e-03 210,19,19				1.00	0.04	0.96
1545	0.05	0.05	0.0	209,210,0	0.11	8.82e-03	0.02 207,18,18		0.25	207	0.85	0.06	0.94
	0.11	0.07	0.0	204,207,0	0.11	0.01	0.01 207,19,19				1.00	0.04	0.96
1546	0.05	0.05	0.0	209,210,0	0.12	2.29e-03	0.01 207,18,18		0.26	207	0.85	0.06	0.94
	0.08	0.05	0.0	204,207,0	0.12	0.02	0.02 207,19,19				1.00	0.04	0.96
1547	0.04	0.04	0.0	204,207,0	0.03	0.01	0.02 204,18,18		0.13	204	0.85	0.06	0.94
	0.11	0.07	0.0	204,207,0	0.03	6.25e-03	6.25e-03 204,19,19				1.00	0.04	0.96
1548	0.04	0.04	0.0	204,207,0	0.03	0.01	0.02 209,18,18		0.12	209	0.85	0.06	0.94
	6.34e-03	5.09e-03	0.0	204,207,0	0.03	1.16e-03	1.16e-03 209,219,219				1.00	0.04	0.96
1549	0.05	0.05	0.0	209,210,0	0.09	8.82e-03	0.02 207,18,18		0.24	207	0.85	0.06	0.94
	0.11	0.07	0.0	204,207,0	0.09	7.94e-03	7.94e-03 207,19,19				1.00	0.04	0.96
1550	0.05	0.05	0.0	209,210,0	0.09	1.96e-03	0.01 207,18,18		0.24	207	0.85	0.06	0.94
	0.08	0.05	0.0	204,207,0	0.09	7.94e-03	7.94e-03 207,19,19				1.00	0.04	0.96
1551	0.02	0.14	0.0	232,235,0	0.18	9.50e-04	0.02207,18,235		0.32	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.18	0.02	0.02 207,19,19				1.00	0.04	0.96
1552	0.01	0.13	0.0	232,52,0	0.18	1.71e-03	0.01 207,19,52		0.32	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.18	0.02	0.02 207,19,19				1.00	0.04	0.96
1553	0.03	0.03	0.0	209,210,0	0.12	2.53e-03	0.01 207,19,18		0.26	207	0.85	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.12	0.02	0.02 207,19,19				1.00	0.04	0.96
1554	0.02	0.02	0.0	19,18,0	0.11	6.66e-03	0.02 207,18,18		0.26	207	0.85	0.06	0.94
	0.10	0.07	0.0	210,209,0	0.11	0.01	0.01 207,19,19				1.00	0.04	0.96
1555	0.03	0.03	0.0	209,210,0	0.09	2.53e-03	0.01 204,19,18		0.23	204	0.85	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.09	0.01	0.01 204,19,19				1.00	0.04	0.96
1556	0.02	0.02	0.0	19,18,0	0.09	6.66e-03	0.02 204,18,18		0.23	204	0.85	0.06	0.94
	0.10	0.07	0.0	210,209,0	0.09	0.01	0.01 204,19,19				1.00	0.04	0.96
1557	7.25e-03	0.13	0.0	19,52,0	0.14	3.66e-03	0.01 223,18,52		0.29	223	0.85	0.06	0.94
	0.10	0.07	0.0	21,19,0	0.14	0.02	0.02 223,19,19				1.00	0.04	0.96
1558	4.61e-03	0.13	0.0	19,52,0	0.20	6.80e-03	0.01 223,18,52		0.34	223	0.85	0.06	0.94
	0.07	0.05	0.0	19,19,0	0.20	0.02	0.02 223,19,19				1.00	0.04	0.96
1559	2.41e-03	0.11	0.0	235,52,0	0.20	6.80e-03	0.01 223,18,52		0.34	223	0.85	0.06	0.94
	0.02	0.02	0.0	19,19,0	0.20	7.15e-03	7.15e-03 223,44,44				1.00	0.04	0.96
1560	0.02	0.02	0.0	19,18,0	0.05	9.16e-03	0.02 207,18,18		0.17	207	0.85	0.06	0.94
	0.10	0.07	0.0	210,209,0	0.05	0.01	0.01 207,19,19				1.00	0.04	0.96
1561	0.01	0.02	0.0	19,18,0	0.03	9.97e-03	0.01 207,18,18		0.14	207	0.85	0.06	0.94
	0.03	0.02	0.0	19,18,0	0.03	9.21e-03	9.21e-03 207,19,19				1.00	0.04	0.96
1562	4.22e-03	0.01	0.0	19,232,0	0.03	9.97e-03	0.01 207,18,18		0.14	207	0.85	0.06	0.94
	9.93e-03	6.53e-03	0.0	18,19,0	0.03	2.29e-03	2.29e-03 207,19,19				1.00	0.04	0.96
1563	0.02	0.02	0.0	19,18,0	0.02	9.16e-03	0.02 207,18,18		0.11	207	0.85	0.06	0.94
	0.10	0.07	0.0	210,209,0	0.02	0.01	0.01 207,19,19				1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.11	0.17	0.0	0.20	0.02	0.02	0.34

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO						PROGETTO STRUTTURE							
TABULATI DI CALCOLO BLOCCO AULE						PAG. 2647 DI 2790							

684	8.56e-03	7.53e-03	0.0 230,229,0	0.03	4.75e-03	9.19e-03	209,18,18	0.13	209	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.03	7.48e-03	7.48e-03	209,19,19			1.00	0.04	0.96
685	7.00e-03	5.60e-03	0.0 204,207,0	0.03	1.15e-03	2.03e-03	209,19,18	0.13	209	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.03	7.48e-03	7.48e-03	209,19,19			1.00	0.04	0.96
690	8.56e-03	7.53e-03	0.0 230,229,0	0.02	4.75e-03	9.19e-03	209,18,18	0.12	209	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.02	5.94e-03	5.94e-03	209,18,18			1.00	0.04	0.96
1547	0.06	0.05	0.0 204,207,0	0.04	5.91e-03	0.01	209,19,18	0.15	209	0.24	0.19	0.81
	0.10	0.07	0.0 209,210,0	0.04	6.29e-03	6.29e-03	209,18,18			1.00	0.04	0.96
1548	4.79e-03	3.84e-03	0.0 210,209,0	0.03	5.59e-04	1.41e-03	209,219,18	0.13	209	0.24	0.19	0.81
	0.10	0.07	0.0 209,210,0	0.03	2.85e-03	2.85e-03	209,18,18			1.00	0.04	0.96
1549	0.06	0.05	0.0 204,207,0	0.04	5.91e-03	0.01	209,19,18	0.15	209	0.24	0.19	0.81
	0.10	0.07	0.0 209,210,0	0.04	6.29e-03	6.29e-03	209,18,18			1.00	0.04	0.96
1566	0.06	0.05	0.0 204,207,0	0.04	5.91e-03	0.01	209,19,18	0.15	209	0.24	0.19	0.81
	0.10	0.07	0.0 209,210,0	0.04	6.29e-03	6.29e-03	209,18,18			1.00	0.04	0.96
1567	4.79e-03	3.84e-03	0.0 210,209,0	0.03	5.99e-04	2.67e-03	209,211,21	0.13	209	0.24	0.19	0.81
	0.10	0.07	0.0 209,210,0	0.03	2.85e-03	2.85e-03	209,18,18			1.00	0.04	0.96
1568	0.06	0.05	0.0 204,207,0	0.04	5.91e-03	0.01	209,19,18	0.15	209	0.24	0.19	0.81
	0.10	0.07	0.0 209,210,0	0.04	6.29e-03	6.29e-03	209,18,18			1.00	0.04	0.96
1570	0.04	0.03	0.0 204,207,0	0.03	2.35e-03	0.01	209,19,18	0.13	209	0.24	0.19	0.81
	0.03	0.02	0.0 204,207,0	0.03	1.96e-03	1.96e-03	209,19,19			1.00	0.04	0.96
1571	3.88e-03	3.30e-03	0.0 204,207,0	0.03	1.35e-03	3.50e-03	209,19,18	0.13	209	0.24	0.19	0.81
	0.02	0.02	0.0 204,207,0	0.03	1.96e-03	1.96e-03	209,19,19			1.00	0.04	0.96
1572	0.04	0.03	0.0 204,207,0	0.02	2.35e-03	0.01	209,19,18	0.10	209	0.24	0.19	0.81
	0.03	0.02	0.0 204,207,0	0.02	7.55e-04	7.55e-04	209,19,19			1.00	0.04	0.96
1574	0.02	0.01	0.0 204,207,0	0.03	4.75e-03	0.01	209,18,18	0.13	209	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.03	7.48e-03	7.48e-03	209,19,19			1.00	0.04	0.96
1575	7.00e-03	5.60e-03	0.0 204,207,0	0.03	1.35e-03	3.50e-03	209,19,18	0.13	209	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.03	7.48e-03	7.48e-03	209,19,19			1.00	0.04	0.96
1576	0.02	0.01	0.0 204,207,0	0.02	4.75e-03	0.01	209,18,18	0.12	209	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.02	5.94e-03	5.94e-03	209,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.10	0.07	0.0		0.04	7.48e-03	0.01		0.15			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
43	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2594	0.09	0.06	0.0	216,219,0	0.06	9.54e-03	9.54e-03	216,44,44	0.19	216	0.36	0.13	0.87
	0.15	0.08	0.0	213,214,0	0.06	0.01	0.01	216,45,45			1.00	0.04	0.96
2595	0.02	0.01	0.0	218,217,0	0.05	4.96e-03	4.96e-03	216,44,44	0.18	216	0.36	0.13	0.87
	0.15	0.08	0.0	213,214,0	0.05	0.01	0.01	216,45,45			1.00	0.04	0.96
2596	0.09	0.06	0.0	216,219,0	0.06	9.54e-03	9.54e-03	216,44,44	0.19	216	0.36	0.13	0.87
	0.11	0.07	0.0	213,214,0	0.06	0.01	0.01	216,45,45			1.00	0.04	0.96
2605	0.01	0.01	0.0	212,215,0	0.07	2.90e-03	6.36e-03	216,44,44	0.21	216	0.36	0.13	0.87
	0.15	0.11	0.0	219,216,0	0.07	0.04	0.04	216,44,44			1.00	0.04	0.96
2606	0.01	0.02	0.0	218,217,0	0.07	6.04e-03	0.01	216,45,44	0.21	216	0.36	0.13	0.87
	0.15	0.11	0.0	219,216,0	0.07	0.04	0.04	216,44,44			1.00	0.04	0.96
2609	0.01	0.02	0.0	218,217,0	0.05	6.04e-03	0.01	216,45,44	0.18	216	0.36	0.13	0.87
	0.12	0.09	0.0	214,213,0	0.05	0.02	0.02	216,45,45			1.00	0.04	0.96
5569	7.57e-03	5.46e-03	0.0	224,227,0	0.08	4.25e-03	5.87e-03	216,44,44	0.22	216	0.36	0.13	0.87
	0.01	8.65e-03	0.0	41,48,0	0.08	0.01	0.01	216,45,45			1.00	0.04	0.96
5570	0.02	0.02	0.0	212,215,0	0.08	6.04e-03	0.02	216,45,44	0.22	216	0.36	0.13	0.87
	0.15	0.11	0.0	219,216,0	0.08	0.04	0.04	216,44,44			1.00	0.04	0.96
5571	8.52e-03	5.83e-03	0.0	222,221,0	0.08	4.25e-03	5.87e-03	216,44,44	0.22	216	0.36	0.13	0.87
	2.22e-03	1.67e-03	0.0	41,44,0	0.08	2.01e-03	2.01e-03	216,44,44			1.00	0.04	0.96
5572	0.05	0.04	0.0	212,215,0	0.08	4.27e-03	0.02	216,44,43	0.22	216	0.36	0.13	0.87
	0.04	0.03	0.0	216,219,0	0.08	2.01e-03	2.01e-03	216,44,44			1.00	0.04	0.96
5573	8.52e-03	5.83e-03	0.0	222,221,0	0.08	1.84e-03	5.32e-03	216,44,44	0.21	216	0.36	0.13	0.87
	4.91e-03	3.38e-03	0.0	214,213,0	0.08	0.01	0.01	216,45,45			1.00	0.04	0.96
5574	0.09	0.06	0.0	216,219,0	0.08	9.54e-03	0.02	216,44,43	0.21	216	0.36	0.13	0.87
	0.15	0.08	0.0	213,214,0	0.08	0.01	0.01	216,45,45			1.00	0.04	0.96
5575	0.02	0.02	0.0	212,215,0	0.05	6.04e-03	0.02	216,45,44	0.18	216	0.36	0.13	0.87
	0.12	0.09	0.0	214,213,0	0.05	0.02	0.02	216,45,45			1.00	0.04	0.96

5576	0.05	0.04	0.0	212,215,0	0.05	4.27e-03	0.02	216,44,43	0.18	216	0.36	0.13	0.87
	0.04	0.03	0.0	216,219,0	0.05	7.36e-04	7.36e-04	216,44,44			1.00	0.04	0.96
5577	0.09	0.06	0.0	216,219,0	0.06	9.54e-03	0.02	216,44,43	0.19	216	0.36	0.13	0.87
	0.11	0.07	0.0	213,214,0	0.06	0.01	0.01	216,45,45			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.11	0.0	0.08	0.04	0.04	0.22

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
44	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN	0	0.0	kN	0	0.0	kN	kN m	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
700	0.01	0.01	0.0	220,223,0	0.03	8.32e-03	0.01	207,18,18	0.13	207	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.03	0.02	0.02	207,18,18			1.00	0.04	0.96
704	0.01	0.01	0.0	220,223,0	0.04	8.32e-03	0.01	207,18,18	0.16	207	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.04	0.02	0.02	207,18,18			1.00	0.04	0.96
706	4.56e-03	4.83e-03	0.0	210,209,0	0.04	8.07e-04	1.70e-03	207,18,18	0.16	207	0.46	0.11	0.89
	0.04	0.03	0.0	22,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
711	3.33e-03	2.53e-03	0.0	231,210,0	0.04	8.15e-04	1.70e-03	207,213,18	0.16	207	0.46	0.11	0.89
	0.03	0.02	0.0	22,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
1556	0.06	0.05	0.0	210,209,0	0.04	8.89e-03	0.01	204,18,18	0.15	204	0.46	0.11	0.89
	0.03	0.02	0.0	210,209,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
1563	0.06	0.05	0.0	210,209,0	0.04	8.89e-03	0.01	204,18,18	0.15	204	0.46	0.11	0.89
	0.03	0.02	0.0	210,209,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
1564	5.54e-03	5.17e-03	0.0	204,207,0	0.04	1.47e-03	2.09e-03	204,19,18	0.15	204	0.46	0.11	0.89
	0.02	0.02	0.0	19,18,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
1565	2.65e-03	2.15e-03	0.0	229,204,0	0.04	1.18e-03	1.60e-03	204,18,19	0.14	204	0.46	0.11	0.89
	0.02	0.01	0.0	19,18,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
1578	0.06	0.05	0.0	210,209,0	0.04	8.89e-03	0.01	207,18,18	0.15	207	0.46	0.11	0.89
	0.03	0.02	0.0	210,209,0	0.04	0.01	0.01	207,18,18			1.00	0.04	0.96
1579	0.06	0.05	0.0	210,209,0	0.04	8.89e-03	0.01	204,18,18	0.15	204	0.46	0.11	0.89
	0.03	0.02	0.0	210,209,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
1580	5.54e-03	5.17e-03	0.0	204,207,0	0.04	1.47e-03	2.89e-03	207,19,18	0.15	207	0.46	0.11	0.89
	0.02	0.02	0.0	19,18,0	0.04	0.01	0.01	207,18,18			1.00	0.04	0.96
1581	2.65e-03	1.75e-03	0.0	229,230,0	0.04	1.18e-03	1.60e-03	207,18,19	0.15	207	0.46	0.11	0.89
	6.82e-03	4.89e-03	0.0	15,18,0	0.04	0.01	0.01	207,18,18			1.00	0.04	0.96
1582	0.04	0.03	0.0	210,209,0	0.04	3.22e-03	0.01	207,19,18	0.16	207	0.46	0.11	0.89
	0.01	9.76e-03	0.0	207,204,0	0.04	2.39e-03	2.39e-03	207,18,18			1.00	0.04	0.96
1583	0.04	0.03	0.0	210,209,0	0.03	3.22e-03	0.01	204,19,18	0.13	204	0.46	0.11	0.89
	0.01	9.76e-03	0.0	207,204,0	0.03	2.39e-03	2.39e-03	204,18,18			1.00	0.04	0.96
1584	2.12e-03	2.97e-03	0.0	19,18,0	0.04	1.67e-03	3.23e-03	207,19,18	0.16	207	0.46	0.11	0.89
	9.05e-03	6.59e-03	0.0	19,18,0	0.04	5.61e-03	5.61e-03	207,18,18			1.00	0.04	0.96
1585	1.89e-03	1.75e-03	0.0	229,230,0	0.04	9.35e-04	1.38e-03	207,19,18	0.16	207	0.46	0.11	0.89
	6.46e-03	4.57e-03	0.0	18,22,0	0.04	5.61e-03	5.61e-03	207,18,18			1.00	0.04	0.96
1586	0.01	0.01	0.0	230,229,0	0.04	8.32e-03	0.01	207,18,18	0.16	207	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.04	0.02	0.02	207,18,18			1.00	0.04	0.96
1587	0.01	0.01	0.0	230,229,0	0.03	8.32e-03	0.01	207,18,18	0.13	207	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.03	0.02	0.02	207,18,18			1.00	0.04	0.96
1588	4.56e-03	4.83e-03	0.0	210,209,0	0.04	1.67e-03	3.23e-03	207,19,18	0.16	207	0.46	0.11	0.89
	0.04	0.03	0.0	22,15,0	0.04	0.02	0.02	207,19,19			1.00	0.04	0.96
1589	3.33e-03	2.13e-03	0.0	231,228,0	0.04	9.35e-04	1.38e-03	207,19,18	0.16	207	0.46	0.11	0.89
	0.01	7.49e-03	0.0	18,22,0	0.04	0.01	0.01	207,18,18			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.06	0.05	0.0	0.04	0.02	0.02	0.16

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
45	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2649 DI 2790

ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1598	0.06	0.04	0.0	210,209,0	0.03	5.36e-03	0.01	209,19,18	0.14	209	0.24	0.19	0.81
	0.09	0.06	0.0	210,209,0	0.03	4.73e-03	4.73e-03	209,18,18			1.00	0.04	0.96
1599	4.31e-03	3.41e-03	0.0	204,207,0	0.03	5.00e-04	1.64e-03	209,213,18	0.13	209	0.24	0.19	0.81
	0.09	0.06	0.0	210,209,0	0.03	2.50e-03	2.50e-03	209,18,18			1.00	0.04	0.96
1600	0.06	0.04	0.0	210,209,0	0.03	5.36e-03	0.01	209,19,18	0.14	209	0.24	0.19	0.81
	0.08	0.06	0.0	210,209,0	0.03	4.73e-03	4.73e-03	209,18,18			1.00	0.04	0.96
1617	5.76e-03	4.39e-03	0.0	210,209,0	0.03	1.28e-03	2.52e-03	209,19,19	0.13	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.03	5.90e-03	5.90e-03	209,19,19			1.00	0.04	0.96
1618	5.76e-03	4.42e-03	0.0	210,18,0	0.03	4.19e-03	9.42e-03	209,18,18	0.13	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.03	5.90e-03	5.90e-03	209,19,19			1.00	0.04	0.96
1621	5.51e-03	4.42e-03	0.0	228,18,0	0.02	4.19e-03	9.42e-03	207,18,18	0.11	207	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.02	4.54e-03	4.54e-03	207,18,18			1.00	0.04	0.96
1644	0.06	0.04	0.0	210,209,0	0.03	5.36e-03	0.01	209,19,18	0.14	209	0.24	0.19	0.81
	0.09	0.06	0.0	210,209,0	0.03	4.73e-03	4.73e-03	209,18,18			1.00	0.04	0.96
1645	4.31e-03	3.41e-03	0.0	204,207,0	0.03	7.74e-04	3.04e-03	209,19,19	0.13	209	0.24	0.19	0.81
	0.09	0.06	0.0	210,209,0	0.03	2.50e-03	2.50e-03	209,18,18			1.00	0.04	0.96
1646	0.06	0.04	0.0	210,209,0	0.03	5.36e-03	0.01	209,19,18	0.14	209	0.24	0.19	0.81
	0.08	0.06	0.0	210,209,0	0.03	4.73e-03	4.73e-03	209,18,18			1.00	0.04	0.96
1648	0.03	0.02	0.0	210,209,0	0.03	4.19e-03	0.01	209,18,18	0.13	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.03	5.90e-03	5.90e-03	209,19,19			1.00	0.04	0.96
1649	5.76e-03	4.39e-03	0.0	210,209,0	0.03	1.28e-03	3.04e-03	209,19,19	0.13	209	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.03	5.90e-03	5.90e-03	209,19,19			1.00	0.04	0.96
1650	0.03	0.02	0.0	210,209,0	0.02	4.19e-03	0.01	207,18,18	0.11	207	0.24	0.19	0.81
	0.08	0.05	0.0	204,207,0	0.02	4.54e-03	4.54e-03	207,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.09	0.06	0.0		0.03	5.90e-03	0.01		0.14				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
46	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2522	0.08	0.05	0.0	216,219,0	0.06	9.35e-03	9.35e-03	216,47,47	0.19	216	0.36	0.13	0.87
	0.16	0.08	0.0	213,214,0	0.06	0.01	0.01	216,44,44			1.00	0.04	0.96
2523	0.02	0.02	0.0	218,217,0	0.05	4.67e-03	4.67e-03	217,45,45	0.17	217	0.36	0.13	0.87
	0.16	0.08	0.0	213,214,0	0.05	0.01	0.01	217,44,44			1.00	0.04	0.96
2524	0.08	0.05	0.0	216,219,0	0.06	9.35e-03	9.35e-03	216,47,47	0.19	216	0.36	0.13	0.87
	0.12	0.07	0.0	213,214,0	0.06	0.01	0.01	216,44,44			1.00	0.04	0.96
2533	0.02	0.01	0.0	216,219,0	0.07	3.57e-03	5.15e-03	216,45,44	0.20	216	0.36	0.13	0.87
	0.14	0.11	0.0	219,216,0	0.07	0.04	0.04	216,45,45			1.00	0.04	0.96
2534	0.01	0.02	0.0	218,217,0	0.07	6.16e-03	0.01	216,44,44	0.20	216	0.36	0.13	0.87
	0.14	0.11	0.0	219,216,0	0.07	0.04	0.04	216,45,45			1.00	0.04	0.96
2537	0.01	0.02	0.0	218,217,0	0.05	6.16e-03	0.01	216,44,44	0.17	216	0.36	0.13	0.87
	0.12	0.09	0.0	214,213,0	0.05	0.02	0.02	216,44,44			1.00	0.04	0.96
4343	0.02	0.01	0.0	216,219,0	0.08	4.18e-03	7.54e-03	216,45,45	0.21	216	0.36	0.13	0.87
	0.01	8.38e-03	0.0	45,44,0	0.08	0.01	0.01	216,44,44			1.00	0.04	0.96
4400	0.02	0.02	0.0	216,217,0	0.08	6.16e-03	0.02	216,44,41	0.21	216	0.36	0.13	0.87
	0.14	0.11	0.0	219,216,0	0.08	0.04	0.04	216,45,45			1.00	0.04	0.96
4401	7.97e-03	5.34e-03	0.0	206,205,0	0.08	4.18e-03	7.54e-03	216,45,45	0.21	216	0.36	0.13	0.87
	1.84e-03	1.44e-03	0.0	206,205,0	0.08	1.40e-03	1.40e-03	216,45,45			1.00	0.04	0.96
4402	0.05	0.03	0.0	213,214,0	0.08	4.18e-03	0.02	216,45,45	0.21	216	0.36	0.13	0.87
	0.04	0.03	0.0	216,219,0	0.08	1.40e-03	1.40e-03	216,45,45			1.00	0.04	0.96
4404	0.02	0.02	0.0	218,217,0	0.07	1.36e-03	5.56e-03	216,213,45	0.20	216	0.36	0.13	0.87
	5.01e-03	3.83e-03	0.0	214,213,0	0.07	0.01	0.01	216,44,44			1.00	0.04	0.96
4405	0.08	0.05	0.0	216,219,0	0.07	9.35e-03	0.02	216,47,45	0.20	216	0.36	0.13	0.87
	0.16	0.08	0.0	213,214,0	0.07	0.01	0.01	216,44,44			1.00	0.04	0.96
4406	0.01	0.02	0.0	218,217,0	0.05	6.16e-03	0.02	216,44,41	0.17	216	0.36	0.13	0.87
	0.12	0.09	0.0	214,213,0	0.05	0.02	0.02	216,44,44			1.00	0.04	0.96
4467	0.05	0.03	0.0	213,214,0	0.05	4.02e-03	0.02	216,45,45	0.18	216	0.36	0.13	0.87

4468	0.04	0.03	0.0 216,219,0	0.05	8.09e-04	8.09e-04	216,213,213		1.00	0.04	0.96	
	0.08	0.05	0.0 216,219,0	0.06	9.35e-03	0.02	216,47,45	0.19	216	0.36	0.13	0.87
	0.12	0.07	0.0 213,214,0	0.06	0.01	0.01	216,44,44			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26					
	0.16	0.11	0.0	0.08	0.04	0.04	0.21					

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
47	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1607	0.06	0.04	0.0 204,207,0		0.03	7.94e-03	0.01 207,18,18		0.14	207	0.46	0.11	0.89
	0.02	0.01	0.0 209,210,0		0.03	0.01	0.01 207,18,18				1.00	0.04	0.96
1614	0.06	0.04	0.0 204,207,0		0.04	7.94e-03	0.01 207,18,18		0.15	207	0.46	0.11	0.89
	0.02	0.02	0.0 22,18,0		0.04	0.01	0.01 207,18,18				1.00	0.04	0.96
1615	4.87e-03	3.85e-03	0.0 207,204,0		0.04	1.54e-03	2.22e-03 207,19,19		0.15	207	0.46	0.11	0.89
	0.02	0.02	0.0 22,18,0		0.04	0.01	0.01 207,18,18				1.00	0.04	0.96
1616	3.38e-03	2.19e-03	0.0 223,220,0		0.04	1.26e-03	1.80e-03 207,18,19		0.15	207	0.46	0.11	0.89
	0.01	0.01	0.0 19,18,0		0.04	0.01	0.01 207,18,18				1.00	0.04	0.96
1631	7.17e-03	6.03e-03	0.0 19,18,0		0.03	7.17e-03	0.01 204,18,18		0.13	204	0.46	0.11	0.89
	0.04	0.03	0.0 210,209,0		0.03	0.01	0.01 204,18,18				1.00	0.04	0.96
1635	7.17e-03	6.03e-03	0.0 19,18,0		0.04	7.17e-03	0.01 204,18,18		0.15	204	0.46	0.11	0.89
	0.04	0.03	0.0 210,209,0		0.04	0.01	0.01 204,18,18				1.00	0.04	0.96
1637	5.07e-03	4.01e-03	0.0 209,210,0		0.04	8.36e-04	1.07e-03 204,19,18		0.15	204	0.46	0.11	0.89
	0.03	0.02	0.0 19,18,0		0.04	0.02	0.02 204,19,19				1.00	0.04	0.96
1639	3.74e-03	2.29e-03	0.0 231,228,0		0.04	8.26e-04	1.07e-03 204,219,18		0.15	204	0.46	0.11	0.89
	0.02	0.02	0.0 19,18,0		0.04	0.02	0.02 204,19,19				1.00	0.04	0.96
1652	0.06	0.04	0.0 204,207,0		0.04	7.94e-03	0.01 204,18,18		0.15	204	0.46	0.11	0.89
	0.02	0.02	0.0 22,18,0		0.04	0.01	0.01 204,18,18				1.00	0.04	0.96
1653	0.06	0.04	0.0 204,207,0		0.03	7.94e-03	0.01 207,18,18		0.14	207	0.46	0.11	0.89
	0.02	0.01	0.0 209,210,0		0.03	0.01	0.01 207,18,18				1.00	0.04	0.96
1654	4.87e-03	3.85e-03	0.0 207,204,0		0.04	1.54e-03	2.46e-03 204,19,21		0.15	204	0.46	0.11	0.89
	0.02	0.02	0.0 22,18,0		0.04	0.01	0.01 204,18,18				1.00	0.04	0.96
1655	3.38e-03	2.19e-03	0.0 223,220,0		0.04	1.26e-03	1.80e-03 204,18,19		0.15	204	0.46	0.11	0.89
	5.96e-03	4.16e-03	0.0 18,22,0		0.04	9.23e-03	9.23e-03 204,18,18				1.00	0.04	0.96
1656	0.03	0.02	0.0 204,207,0		0.04	7.17e-03	0.01 204,18,18		0.15	204	0.46	0.11	0.89
	0.04	0.03	0.0 210,209,0		0.04	0.01	0.01 204,18,18				1.00	0.04	0.96
1657	0.03	0.02	0.0 204,207,0		0.03	7.17e-03	0.01 204,18,18		0.13	204	0.46	0.11	0.89
	0.04	0.03	0.0 210,209,0		0.03	0.01	0.01 204,18,18				1.00	0.04	0.96
1658	5.07e-03	4.01e-03	0.0 209,210,0		0.04	8.83e-04	2.46e-03 204,19,21		0.15	204	0.46	0.11	0.89
	0.03	0.02	0.0 19,18,0		0.04	0.02	0.02 204,19,19				1.00	0.04	0.96
1659	3.74e-03	2.29e-03	0.0 231,228,0		0.04	8.83e-04	1.26e-03 204,19,18		0.15	204	0.46	0.11	0.89
	8.38e-03	5.88e-03	0.0 18,22,0		0.04	0.01	0.01 204,18,18				1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.06	0.04	0.0		0.04	0.02	0.02		0.15				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
48	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.25	-55.9	175	0.24	53.0	177	0.19	-5684.2	9.944e+05	210

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1437	0.04	0.17	0.0 226,225,0		0.06	2.10e-03	0.02209,18,225		0.19	209	0.85	0.06	0.94
	0.07	0.04	0.0 18,19,0		0.06	0.01	0.01 209,19,19				1.00	0.04	0.96
1438	0.04	0.17	0.0 226,225,0		0.03	2.10e-03	0.02209,18,225		0.14	209	0.85	0.06	0.94

	0.03	0.02	0.0	18,19,0	0.03	4.80e-03	4.80e-03	209,19,19			1.00	0.04	0.96
1439	0.03	0.16	0.0	226,225,0	0.14	8.89e-04	0.02209,18,225		0.28	209	0.85	0.06	0.94
	0.10	0.06	0.0	18,19,0	0.14	0.02	0.02 209,19,19				1.00	0.04	0.96
1440	0.03	0.15	0.0	226,225,0	0.17	5.78e-04	0.02209,226,225		0.31	209	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.17	0.02	0.02 209,19,19				1.00	0.04	0.96
1453	0.02	0.14	0.0	226,225,0	0.18	6.72e-04	0.02209,226,225		0.32	209	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.18	0.02	0.02 209,19,19				1.00	0.04	0.96
1454	0.01	0.13	0.0	226,52,0	0.18	6.72e-04	0.01209,226,52		0.32	209	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.18	0.02	0.02 209,19,19				1.00	0.04	0.96
1473	6.09e-03	0.13	0.0	226,52,0	0.14	6.60e-04	0.01 229,19,52		0.29	229	0.85	0.06	0.94
	0.10	0.07	0.0	22,19,0	0.14	0.02	0.02 229,19,19				1.00	0.04	0.96
1474	0.0	0.13	0.0	0,52,0	0.20	3.03e-03	0.01 229,18,52		0.34	229	0.0	0.0	0.0
	0.07	0.05	0.0	19,19,0	0.20	0.02	0.02 229,19,19				1.00	0.04	0.96
1475	0.0	0.11	0.0	0,52,0	0.20	3.03e-03	0.01 229,18,52		0.34	229	0.0	0.0	0.0
	0.02	0.02	0.0	19,19,0	0.20	6.98e-03	6.98e-03 229,44,44				1.00	0.04	0.96
1660	0.04	0.17	0.0	226,225,0	0.06	6.33e-03	0.02207,18,225		0.19	207	0.85	0.06	0.94
	0.07	0.04	0.0	18,19,0	0.06	0.01	0.01 207,19,19				1.00	0.04	0.96
1661	0.04	0.17	0.0	226,225,0	0.03	6.33e-03	0.02207,18,225		0.14	207	0.85	0.06	0.94
	0.03	0.02	0.0	18,19,0	0.03	4.79e-03	4.79e-03 207,19,19				1.00	0.04	0.96
1662	0.03	0.16	0.0	226,225,0	0.13	3.88e-03	0.02207,18,225		0.28	207	0.85	0.06	0.94
	0.10	0.06	0.0	18,19,0	0.13	0.02	0.02 207,19,19				1.00	0.04	0.96
1663	0.03	0.15	0.0	226,225,0	0.16	2.28e-03	0.02207,18,225		0.31	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.16	0.02	0.02 207,19,19				1.00	0.04	0.96
1664	0.04	0.04	0.0	204,207,0	0.04	0.01	0.02 207,18,18		0.16	207	0.85	0.06	0.94
	0.10	0.07	0.0	204,207,0	0.04	7.12e-03	7.12e-03 207,19,19				1.00	0.04	0.96
1665	0.04	0.04	0.0	204,207,0	0.03	0.01	0.02 207,18,18		0.13	207	0.85	0.06	0.94
	0.01	8.21e-03	0.0	19,18,0	0.03	1.24e-03	1.24e-03 207,19,19				1.00	0.04	0.96
1666	0.05	0.05	0.0	204,207,0	0.11	8.82e-03	0.02 207,18,18		0.25	207	0.85	0.06	0.94
	0.10	0.07	0.0	204,207,0	0.11	0.01	0.01 207,19,19				1.00	0.04	0.96
1667	0.05	0.05	0.0	204,207,0	0.12	2.28e-03	0.01 207,18,18		0.26	207	0.85	0.06	0.94
	0.07	0.05	0.0	204,207,0	0.12	0.02	0.02 207,19,19				1.00	0.04	0.96
1668	0.04	0.04	0.0	204,207,0	0.03	0.01	0.02 207,18,18		0.13	207	0.85	0.06	0.94
	0.10	0.07	0.0	204,207,0	0.03	6.25e-03	6.25e-03 207,19,19				1.00	0.04	0.96
1669	0.04	0.04	0.0	204,207,0	0.03	0.01	0.02 207,18,18		0.12	207	0.85	0.06	0.94
	4.19e-03	3.52e-03	0.0	220,18,0	0.03	1.01e-03	1.01e-03 207,219,219				1.00	0.04	0.96
1670	0.05	0.05	0.0	204,207,0	0.09	8.82e-03	0.02 207,18,18		0.23	207	0.85	0.06	0.94
	0.10	0.07	0.0	204,207,0	0.09	7.94e-03	7.94e-03 207,19,19				1.00	0.04	0.96
1671	0.05	0.05	0.0	204,207,0	0.09	1.95e-03	0.01 207,18,18		0.23	207	0.85	0.06	0.94
	0.07	0.05	0.0	204,207,0	0.09	7.94e-03	7.94e-03 207,19,19				1.00	0.04	0.96
1672	0.02	0.14	0.0	226,225,0	0.17	9.41e-04	0.02207,18,225		0.31	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.17	0.02	0.02 207,19,19				1.00	0.04	0.96
1673	0.01	0.13	0.0	226,52,0	0.17	1.70e-03	0.01 207,19,52		0.31	207	0.85	0.06	0.94
	0.11	0.08	0.0	18,19,0	0.17	0.02	0.02 207,19,19				1.00	0.04	0.96
1674	0.03	0.03	0.0	204,207,0	0.12	2.53e-03	0.01 207,19,18		0.26	207	0.85	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.12	0.02	0.02 207,19,19				1.00	0.04	0.96
1675	0.02	0.02	0.0	19,18,0	0.11	6.63e-03	0.02 207,18,18		0.26	207	0.85	0.06	0.94
	0.10	0.07	0.0	210,209,0	0.11	0.01	0.01 207,19,19				1.00	0.04	0.96
1676	0.03	0.03	0.0	204,207,0	0.09	2.53e-03	0.01 209,19,18		0.23	209	0.85	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.09	0.01	0.01 209,19,19				1.00	0.04	0.96
1677	0.02	0.02	0.0	19,18,0	0.09	6.63e-03	0.02 209,18,18		0.23	209	0.85	0.06	0.94
	0.10	0.07	0.0	210,209,0	0.09	0.01	0.01 209,19,19				1.00	0.04	0.96
1678	7.16e-03	0.13	0.0	19,52,0	0.14	3.65e-03	0.01 223,18,52		0.29	223	0.85	0.06	0.94
	0.10	0.07	0.0	22,19,0	0.14	0.02	0.02 223,19,19				1.00	0.04	0.96
1679	4.54e-03	0.13	0.0	19,52,0	0.20	6.77e-03	0.01 223,18,52		0.34	223	0.85	0.06	0.94
	0.07	0.05	0.0	19,19,0	0.20	0.02	0.02 223,19,19				1.00	0.04	0.96
1680	2.28e-03	0.11	0.0	225,52,0	0.20	6.77e-03	0.01 223,18,52		0.34	223	0.85	0.06	0.94
	0.02	0.02	0.0	19,19,0	0.20	6.98e-03	6.98e-03 223,44,44				1.00	0.04	0.96
1681	0.02	0.02	0.0	19,18,0	0.05	9.13e-03	0.02 207,18,18		0.17	207	0.85	0.06	0.94
	0.10	0.07	0.0	210,209,0	0.05	0.01	0.01 207,19,19				1.00	0.04	0.96
1682	0.01	0.02	0.0	19,18,0	0.03	9.94e-03	0.01 207,18,18		0.14	207	0.85	0.06	0.94
	0.03	0.02	0.0	19,22,0	0.03	9.23e-03	9.23e-03 207,19,19				1.00	0.04	0.96
1683	4.20e-03	0.01	0.0	19,226,0	0.03	9.94e-03	0.01 207,18,18		0.14	207	0.85	0.06	0.94
	0.01	6.61e-03	0.0	18,19,0	0.03	2.32e-03	2.32e-03 207,19,19				1.00	0.04	0.96
1684	0.02	0.02	0.0	19,18,0	0.02	9.13e-03	0.02 209,18,18		0.11	209	0.85	0.06	0.94
	0.10	0.07	0.0	210,209,0	0.02	0.01	0.01 209,19,19				1.00	0.04	0.96
1685	0.01	0.01	0.0	19,18,0	0.02	9.94e-03	0.01 204,18,18		0.10	204	0.85	0.06	0.94
	7.07e-03	6.51e-03	0.0	229,18,0	0.02	4.40e-03	4.40e-03 204,19,19				1.00	0.04	0.96
1686	4.20e-03	5.61e-03	0.0	19,18,0	0.02	9.94e-03	0.01 204,18,18		0.10	204	0.85	0.06	0.94
	7.07e-03	4.35e-03	0.0	229,230,0	0.02	1.21e-03	1.21e-03 204,213,213				1.00	0.04	0.96
1711	0.04	0.17	0.0	226,225,0	0.06	6.33e-03	0.02209,18,225		0.19	209	0.85	0.06	0.94
	0.07	0.04	0.0	18,209,0	0.06	0.01	0.01 209,19,19				1.00	0.04	0.96
1712	0.04	0.17	0.0	226,225,0	0.03	6.33e-03	0.02209,18,225		0.14	209	0.85	0.06	0.94
	0.03	0.02	0.0	18,19,0	0.03	4.80e-03	4.80e-03 209,19,19				1.00	0.04	0.96
1713	0.03	0.16	0.0	226,225,0	0.14	3.88e-03	0.02209,18,225		0.28	209	0.85	0.06	0.94
	0.10	0.06	0.0	18,19,0	0.14	0.02	0.02 209,19,19				1.00	0.04	0.96

1714	0.03	0.15	0.0 226,225,0	0.17	2.29e-03	0.02209,18,225	0.31	209	0.85	0.06	0.94
	0.11	0.08	0.0 18,19,0	0.17	0.02	0.02 209,19,19			1.00	0.04	0.96
1715	0.04	0.04	0.0 210,209,0	0.04	0.01	0.02 209,18,18	0.16	209	0.85	0.06	0.94
	0.11	0.07	0.0 210,209,0	0.04	7.12e-03	7.12e-03 209,19,19			1.00	0.04	0.96
1716	0.04	0.04	0.0 210,209,0	0.03	0.01	0.02 204,18,18	0.13	204	0.85	0.06	0.94
	0.01	8.43e-03	0.0 19,18,0	0.03	1.25e-03	1.25e-03 204,22,22			1.00	0.04	0.96
1717	0.05	0.05	0.0 207,204,0	0.11	8.80e-03	0.02 209,18,18	0.25	209	0.85	0.06	0.94
	0.11	0.07	0.0 210,209,0	0.11	0.01	0.01 209,19,19			1.00	0.04	0.96
1718	0.05	0.05	0.0 207,204,0	0.12	2.29e-03	0.01 209,18,18	0.26	209	0.85	0.06	0.94
	0.07	0.05	0.0 210,209,0	0.12	0.02	0.02 209,19,19			1.00	0.04	0.96
1719	0.04	0.04	0.0 210,209,0	0.03	0.01	0.02 204,18,18	0.13	204	0.85	0.06	0.94
	0.11	0.07	0.0 210,209,0	0.03	6.26e-03	6.26e-03 204,19,19			1.00	0.04	0.96
1720	0.04	0.04	0.0 210,209,0	0.03	0.01	0.02 204,18,18	0.12	204	0.85	0.06	0.94
	6.13e-03	5.13e-03	0.0 210,209,0	0.03	1.18e-03	1.18e-03 204,213,213			1.00	0.04	0.96
1721	0.05	0.05	0.0 207,204,0	0.10	8.80e-03	0.02 209,18,18	0.24	209	0.85	0.06	0.94
	0.11	0.07	0.0 210,209,0	0.10	7.94e-03	7.94e-03 209,19,19			1.00	0.04	0.96
1722	0.05	0.05	0.0 207,204,0	0.10	1.95e-03	0.01 209,18,18	0.24	209	0.85	0.06	0.94
	0.07	0.05	0.0 210,209,0	0.10	7.94e-03	7.94e-03 209,19,19			1.00	0.04	0.96
1723	0.02	0.14	0.0 226,225,0	0.18	9.38e-04	0.02209,18,225	0.32	209	0.85	0.06	0.94
	0.11	0.08	0.0 18,19,0	0.18	0.02	0.02 209,19,19			1.00	0.04	0.96
1724	0.01	0.13	0.0 226,52,0	0.18	1.71e-03	0.01 209,19,52	0.32	209	0.85	0.06	0.94
	0.11	0.08	0.0 18,19,0	0.18	0.02	0.02 209,19,19			1.00	0.04	0.96
1725	0.03	0.03	0.0 207,204,0	0.12	2.53e-03	0.01 209,19,18	0.26	209	0.85	0.06	0.94
	0.07	0.05	0.0 204,207,0	0.12	0.02	0.02 209,19,19			1.00	0.04	0.96
1726	0.02	0.02	0.0 19,18,0	0.11	6.69e-03	0.02 209,18,18	0.26	209	0.85	0.06	0.94
	0.10	0.07	0.0 204,207,0	0.11	0.01	0.01 209,19,19			1.00	0.04	0.96
1727	0.03	0.03	0.0 207,204,0	0.09	2.53e-03	0.01 204,19,18	0.23	204	0.85	0.06	0.94
	0.07	0.05	0.0 204,207,0	0.09	0.01	0.01 204,19,19			1.00	0.04	0.96
1728	0.02	0.02	0.0 19,18,0	0.09	6.69e-03	0.02 204,18,18	0.23	204	0.85	0.06	0.94
	0.10	0.07	0.0 204,207,0	0.09	0.01	0.01 204,19,19			1.00	0.04	0.96
1729	7.17e-03	0.13	0.0 19,52,0	0.14	3.65e-03	0.01 229,18,52	0.29	229	0.85	0.06	0.94
	0.10	0.07	0.0 22,19,0	0.14	0.02	0.02 229,19,19			1.00	0.04	0.96
1730	4.54e-03	0.13	0.0 19,52,0	0.20	6.77e-03	0.01 229,18,52	0.34	229	0.85	0.06	0.94
	0.07	0.05	0.0 19,19,0	0.20	0.02	0.02 229,19,19			1.00	0.04	0.96
1731	2.53e-03	0.11	0.0 225,52,0	0.20	6.77e-03	0.01 229,18,52	0.34	229	0.85	0.06	0.94
	0.02	0.02	0.0 19,19,0	0.20	6.84e-03	6.84e-03 229,44,44			1.00	0.04	0.96
1732	0.02	0.02	0.0 19,18,0	0.05	9.15e-03	0.02 209,18,18	0.17	209	0.85	0.06	0.94
	0.10	0.07	0.0 204,207,0	0.05	0.01	0.01 209,19,19			1.00	0.04	0.96
1733	0.01	0.02	0.0 19,18,0	0.04	9.94e-03	0.01 209,18,18	0.14	209	0.85	0.06	0.94
	0.03	0.02	0.0 19,18,0	0.04	9.24e-03	9.24e-03 209,19,19			1.00	0.04	0.96
1734	4.21e-03	0.02	0.0 19,226,0	0.04	9.94e-03	0.01 209,18,18	0.14	209	0.85	0.06	0.94
	9.96e-03	6.49e-03	0.0 18,19,0	0.04	2.27e-03	2.27e-03 209,19,19			1.00	0.04	0.96
1735	0.02	0.02	0.0 19,18,0	0.02	9.15e-03	0.02 209,18,18	0.11	209	0.85	0.06	0.94
	0.10	0.07	0.0 204,207,0	0.02	0.01	0.01 209,19,19			1.00	0.04	0.96
1736	0.01	0.01	0.0 19,18,0	0.02	9.94e-03	0.01 209,18,18	0.10	209	0.85	0.06	0.94
	6.38e-03	7.33e-03	0.0 19,18,0	0.02	4.36e-03	4.36e-03 209,19,19			1.00	0.04	0.96
1737	4.21e-03	5.56e-03	0.0 19,18,0	0.02	9.94e-03	0.01 209,18,18	0.10	209	0.85	0.06	0.94
	5.80e-03	3.98e-03	0.0 223,220,0	0.02	1.23e-03	1.23e-03 209,219,219			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.11	0.17	0.0	0.20	0.02	0.02	0.34				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
49	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1625	6.13e-03	4.65e-03	0.0	204,207,0	0.03	4.74e-03	9.12e-03	204,18,18	0.13	204	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.03	7.47e-03	7.47e-03	204,19,19			1.00	0.04	0.96
1626	6.13e-03	4.65e-03	0.0	204,207,0	0.03	1.15e-03	2.02e-03	204,19,19	0.13	204	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.03	7.47e-03	7.47e-03	204,19,19			1.00	0.04	0.96
1627	4.36e-03	3.75e-03	0.0	210,18,0	0.02	4.74e-03	9.12e-03	204,18,18	0.12	204	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.02	5.91e-03	5.91e-03	204,18,18			1.00	0.04	0.96
1668	0.06	0.04	0.0	204,207,0	0.04	5.91e-03	0.01	207,19,18	0.15	207	0.24	0.19	0.81
	0.10	0.07	0.0	204,207,0	0.04	6.30e-03	6.30e-03	207,18,18			1.00	0.04	0.96
1669	5.37e-03	4.13e-03	0.0	210,209,0	0.03	5.04e-04	1.40e-03	207,219,18	0.14	207	0.24	0.19	0.81

	0.10	0.07	0.0 204,207,0	0.03	2.83e-03	2.83e-03 207,18,18			1.00	0.04	0.96
1670	0.06	0.04	0.0 204,207,0	0.04	5.91e-03	0.01 207,19,18	0.15	207	0.24	0.19	0.81
	0.10	0.07	0.0 204,207,0	0.04	6.30e-03	6.30e-03 207,18,18			1.00	0.04	0.96
1687	0.06	0.04	0.0 204,207,0	0.04	5.91e-03	0.01 207,19,18	0.15	207	0.24	0.19	0.81
	0.10	0.07	0.0 204,207,0	0.04	6.30e-03	6.30e-03 207,18,18			1.00	0.04	0.96
1688	5.37e-03	4.13e-03	0.0 210,209,0	0.03	5.04e-04	2.67e-03 207,219,19	0.14	207	0.24	0.19	0.81
	0.10	0.07	0.0 204,207,0	0.03	2.83e-03	2.83e-03 207,18,18			1.00	0.04	0.96
1689	0.06	0.04	0.0 204,207,0	0.04	5.91e-03	0.01 207,19,18	0.15	207	0.24	0.19	0.81
	0.10	0.07	0.0 204,207,0	0.04	6.30e-03	6.30e-03 207,18,18			1.00	0.04	0.96
1691	0.04	0.03	0.0 204,207,0	0.03	2.36e-03	0.01 207,19,18	0.13	207	0.24	0.19	0.81
	0.03	0.02	0.0 204,207,0	0.03	1.96e-03	1.96e-03 207,19,19			1.00	0.04	0.96
1692	3.05e-03	2.43e-03	0.0 204,207,0	0.03	1.35e-03	3.49e-03 207,19,19	0.13	207	0.24	0.19	0.81
	0.02	0.02	0.0 204,207,0	0.03	1.96e-03	1.96e-03 207,19,19			1.00	0.04	0.96
1693	0.04	0.03	0.0 204,207,0	0.02	2.36e-03	0.01 207,19,18	0.10	207	0.24	0.19	0.81
	0.03	0.02	0.0 204,207,0	0.02	7.56e-04	7.56e-04 207,19,19			1.00	0.04	0.96
1695	0.02	0.01	0.0 204,207,0	0.03	4.74e-03	0.01 204,18,18	0.13	204	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.03	7.47e-03	7.47e-03 204,19,19			1.00	0.04	0.96
1696	6.13e-03	4.65e-03	0.0 204,207,0	0.03	1.35e-03	3.49e-03 204,19,19	0.13	204	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.03	7.47e-03	7.47e-03 204,19,19			1.00	0.04	0.96
1697	0.02	0.01	0.0 204,207,0	0.02	4.74e-03	0.01 204,18,18	0.12	204	0.24	0.19	0.81
	0.10	0.07	0.0 210,209,0	0.02	5.91e-03	5.91e-03 204,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.10	0.07	0.0	0.04	7.47e-03	0.01	0.15				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
50	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN	0	0.0	kN	0	0.0	kN	kN m	0
		0.0			0.0			0.0	0.0	

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4488	0.02	6.40e-03	0.0	43,46,0	0.01	0.01	0.01	219,45,45	0.08	219	0.53	0.09	0.91
	0.09	0.06	0.0	214,213,0	0.01	0.05	0.05	214,45,45			1.00	0.04	0.96
4495	0.02	6.40e-03	0.0	43,46,0	0.01	0.01	0.01	219,45,45	0.08	219	0.53	0.09	0.91
	0.12	0.09	0.0	43,45,0	0.01	0.05	0.05	214,45,45			1.00	0.04	0.96
4496	0.01	5.30e-03	0.0	208,211,0	0.01	3.02e-03	3.02e-03	211,45,45	0.08	211	0.53	0.09	0.91
	0.12	0.09	0.0	43,45,0	0.01	0.06	0.06	211,45,45			1.00	0.04	0.96
4497	5.20e-03	6.56e-03	0.0	208,211,0	8.00e-03	2.56e-03	5.94e-03	211,231,44	0.07	211	0.53	0.09	0.91
	0.09	0.06	0.0	43,45,0	8.00e-03	0.06	0.06	211,45,45			1.00	0.04	0.96
4504	0.04	0.03	0.0	213,214,0	0.02	0.01	0.02	211,45,46	0.09	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	0.02	0.02	0.02	211,45,45			1.00	0.04	0.96
4510	0.04	0.03	0.0	213,214,0	0.02	0.01	0.02	211,45,46	0.09	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	0.02	0.02	0.02	211,45,45			1.00	0.04	0.96
4512	6.36e-03	4.18e-03	0.0	219,216,0	8.92e-03	3.41e-03	4.41e-03	211,44,228	0.07	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	8.92e-03	0.01	0.01	211,45,45			1.00	0.04	0.96
4514	9.77e-03	7.70e-03	0.0	206,205,0	6.82e-03	3.41e-03	3.65e-03	211,44,231	0.06	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	6.82e-03	0.01	0.01	211,45,45			1.00	0.04	0.96
5413	0.04	0.03	0.0	213,214,0	0.02	0.01	0.02	211,45,46	0.09	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	0.02	0.02	0.02	211,45,45			1.00	0.04	0.96
5414	0.03	0.02	0.0	208,211,0	9.82e-03	5.53e-03	0.01	211,46,231	0.08	211	0.53	0.09	0.91
	0.02	0.02	0.0	216,219,0	9.81e-03	1.93e-03	1.93e-03	211,45,45			1.00	0.04	0.96
5415	0.03	0.02	0.0	43,46,0	0.01	0.01	0.01	219,45,45	0.08	219	0.53	0.09	0.91
	0.09	0.06	0.0	214,213,0	0.01	0.05	0.05	214,45,45			1.00	0.04	0.96
5416	0.04	0.03	0.0	213,214,0	0.02	0.01	0.02	211,45,46	0.09	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	0.02	0.02	0.02	211,45,45			1.00	0.04	0.96
5417	0.03	0.02	0.0	208,211,0	0.01	5.53e-03	0.01	211,46,231	0.08	211	0.53	0.09	0.91
	0.02	0.02	0.0	216,219,0	0.01	2.08e-03	2.08e-03	211,228,228			1.00	0.04	0.96
5418	0.03	0.02	0.0	43,46,0	0.01	0.01	0.01	211,45,45	0.08	211	0.53	0.09	0.91
	0.12	0.09	0.0	43,45,0	0.01	0.05	0.05	211,45,45			1.00	0.04	0.96
5419	9.77e-03	7.70e-03	0.0	206,205,0	0.01	3.41e-03	5.48e-03	211,44,231	0.08	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	0.01	0.01	0.01	211,45,45			1.00	0.04	0.96
5420	8.78e-03	5.08e-03	0.0	208,231,0	0.01	5.19e-03	6.28e-03	211,44,231	0.08	211	0.53	0.09	0.91
	0.02	0.01	0.0	216,219,0	0.01	5.99e-03	5.99e-03	211,45,45			1.00	0.04	0.96
5421	0.01	6.56e-03	0.0	208,211,0	0.01	5.19e-03	6.28e-03	211,44,231	0.08	211	0.53	0.09	0.91
	0.12	0.09	0.0	43,45,0	0.01	0.06	0.06	211,45,45			1.00	0.04	0.96
5422	9.77e-03	7.70e-03	0.0	206,205,0	9.93e-03	1.75e-03	3.43e-03	211,45,44	0.08	211	0.53	0.09	0.91
	7.68e-03	5.62e-03	0.0	46,47,0	9.93e-03	0.01	0.01	211,45,45			1.00	0.04	0.96

5423	4.38e-03	3.67e-03	0.0	235,232,0	0.01	4.13e-03	4.67e-03	211,44,231	0.08	211	0.53	0.09	0.91
	8.54e-03	6.38e-03	0.0	46,43,0	0.01	5.99e-03	5.99e-03	211,45,45			1.00	0.04	0.96
5424	5.20e-03	6.56e-03	0.0	208,211,0	0.01	4.13e-03	5.94e-03	211,44,44	0.08	211	0.53	0.09	0.91
	0.03	0.02	0.0	46,41,0	0.01	0.03	0.03	211,45,45			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.12	0.09	0.0	0.02	0.06	0.06	0.09

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
51	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN	0	0.0	kN	0	0.0	kN	kN m	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4450	0.02	0.02	0.0	215,212,0	0.01	0.02	0.04	216,44,41	0.08	216	0.53	0.09	0.91
	0.04	0.03	0.0	218,217,0	0.01	6.61e-03	6.61e-03	216,43,43			1.00	0.04	0.96
4460	0.02	0.02	0.0	215,212,0	0.01	0.02	0.04	216,44,41	0.08	216	0.53	0.09	0.91
	0.04	0.03	0.0	218,217,0	0.01	6.61e-03	6.61e-03	216,43,43			1.00	0.04	0.96
4461	0.01	8.14e-03	0.0	44,45,0	7.33e-03	0.01	0.01	208,46,46	0.07	208	0.53	0.09	0.91
	0.02	0.04	0.0	210,59,0	7.33e-03	6.44e-03	6.44e-03	208,230,230			1.00	0.04	0.96
4462	5.76e-03	3.91e-03	0.0	44,231,0	6.64e-03	8.79e-03	8.79e-03	208,42,42	0.06	208	0.53	0.09	0.91
	3.73e-03	0.04	0.0	211,59,0	6.64e-03	0.01	0.01	208,44,44			1.00	0.04	0.96
4466	0.05	0.03	0.0	44,45,0	0.01	0.02	0.04	216,44,41	0.08	216	0.53	0.09	0.91
	0.04	0.03	0.0	218,217,0	0.01	6.61e-03	6.61e-03	216,43,43			1.00	0.04	0.96
4470	0.06	0.04	0.0	44,45,0	5.50e-03	0.01	0.02	216,46,232	0.06	216	0.53	0.09	0.91
	8.74e-03	6.76e-03	0.0	217,218,0	5.50e-03	2.99e-03	2.99e-03	216,47,47			1.00	0.04	0.96
4471	0.05	0.03	0.0	44,45,0	0.01	0.02	0.04	216,44,41	0.08	216	0.53	0.09	0.91
	0.04	0.03	0.0	218,217,0	0.01	6.61e-03	6.61e-03	216,43,43			1.00	0.04	0.96
4472	0.03	0.02	0.0	44,45,0	7.33e-03	0.01	0.01	208,46,46	0.07	208	0.53	0.09	0.91
	0.02	0.04	0.0	210,59,0	7.33e-03	0.01	0.01	208,44,44			1.00	0.04	0.96
4473	8.23e-03	6.96e-03	0.0	45,44,0	6.77e-03	3.01e-03	8.43e-03	208,228,44	0.06	208	0.53	0.09	0.91
	6.83e-03	5.67e-03	0.0	47,42,0	6.77e-03	0.01	0.01	208,44,44			1.00	0.04	0.96
4474	0.06	0.04	0.0	44,45,0	7.32e-03	0.01	0.02	208,46,232	0.07	208	0.53	0.09	0.91
	9.56e-03	8.56e-03	0.0	47,44,0	7.32e-03	2.99e-03	2.99e-03	208,47,47			1.00	0.04	0.96
4475	0.03	0.02	0.0	44,45,0	7.32e-03	4.99e-03	0.01	208,44,235	0.07	208	0.53	0.09	0.91
	9.56e-03	8.56e-03	0.0	47,44,0	7.32e-03	6.89e-03	6.89e-03	208,45,45			1.00	0.04	0.96
4476	9.53e-03	8.00e-03	0.0	45,44,0	6.77e-03	2.23e-03	8.43e-03	208,42,44	0.06	208	0.53	0.09	0.91
	6.83e-03	5.67e-03	0.0	47,42,0	6.77e-03	6.89e-03	6.89e-03	208,45,45			1.00	0.04	0.96
4483	0.03	0.02	0.0	216,219,0	4.33e-03	0.02	0.02	216,45,45	0.05	216	0.53	0.09	0.91
	0.08	0.05	0.0	216,219,0	4.35e-03	0.05	0.05	216,45,45			1.00	0.04	0.96
4489	0.03	0.02	0.0	216,219,0	4.33e-03	0.02	0.02	216,45,45	0.05	216	0.53	0.09	0.91
	0.14	0.10	0.0	41,48,0	4.35e-03	0.05	0.05	216,45,45			1.00	0.04	0.96
4491	5.51e-03	1.40e-03	0.0	44,46,0	3.31e-03	3.20e-03	3.20e-03	208,229,229	0.04	208	0.53	0.09	0.91
	0.14	0.10	0.0	41,48,0	3.31e-03	0.07	0.07	208,45,45			1.00	0.04	0.96
4493	5.82e-03	6.21e-03	0.0	206,205,0	2.57e-03	3.20e-03	6.77e-03	208,229,44	0.04	208	0.53	0.09	0.91
	0.10	0.07	0.0	41,48,0	2.57e-03	0.07	0.07	208,45,45			1.00	0.04	0.96
5437	0.05	0.03	0.0	44,45,0	4.33e-03	0.02	0.02	216,45,45	0.05	216	0.53	0.09	0.91
	0.08	0.05	0.0	216,219,0	4.35e-03	0.05	0.05	216,45,45			1.00	0.04	0.96
5438	0.06	0.03	0.0	44,45,0	3.34e-03	6.61e-03	0.02	208,45,235	0.04	208	0.53	0.09	0.91
	0.02	0.01	0.0	206,205,0	3.34e-03	2.75e-03	2.75e-03	208,45,45			1.00	0.04	0.96
5439	0.06	0.04	0.0	44,45,0	4.12e-03	2.81e-03	0.01	208,46,210	0.05	208	0.53	0.09	0.91
	4.95e-03	3.06e-03	0.0	213,217,0	4.12e-03	1.25e-03	1.25e-03	208,45,45			1.00	0.04	0.96
5440	0.05	0.03	0.0	44,45,0	4.67e-03	0.02	0.02	208,45,45	0.05	208	0.53	0.09	0.91
	0.14	0.10	0.0	41,48,0	4.67e-03	0.05	0.05	208,45,45			1.00	0.04	0.96
5441	0.06	0.03	0.0	44,45,0	6.00e-03	0.01	0.02	208,44,235	0.06	208	0.53	0.09	0.91
	0.02	0.01	0.0	206,205,0	6.00e-03	2.75e-03	2.75e-03	208,45,45			1.00	0.04	0.96
5442	0.06	0.04	0.0	44,45,0	6.92e-03	5.52e-03	0.01	208,42,210	0.06	208	0.53	0.09	0.91
	6.33e-03	4.79e-03	0.0	46,41,0	6.92e-03	1.25e-03	1.25e-03	208,45,45			1.00	0.04	0.96
5443	0.01	7.33e-03	0.0	44,45,0	4.67e-03	0.01	0.01	208,44,44	0.05	208	0.53	0.09	0.91
	0.14	0.10	0.0	41,48,0	4.67e-03	0.07	0.07	208,45,45			1.00	0.04	0.96
5444	0.03	0.02	0.0	44,45,0	6.00e-03	0.01	0.01	208,44,44	0.06	208	0.53	0.09	0.91
	0.01	0.01	0.0	42,45,0	6.00e-03	7.52e-03	7.52e-03	208,45,45			1.00	0.04	0.96
5445	0.03	0.02	0.0	44,45,0	6.92e-03	5.52e-03	0.01	208,42,235	0.06	208	0.53	0.09	0.91
	6.33e-03	4.79e-03	0.0	46,41,0	6.92e-03	5.35e-03	5.35e-03	208,45,45			1.00	0.04	0.96
5446	5.82e-03	6.21e-03	0.0	206,205,0	4.12e-03	5.30e-03	8.52e-03	208,44,44	0.05	208	0.53	0.09	0.91
	0.03	0.02	0.0	46,43,0	4.12e-03	0.04	0.04	208,45,45			1.00	0.04	0.96
5447	8.88e-03	7.80e-03	0.0	45,44,0	5.13e-03	5.30e-03	9.69e-03	208,44,44	0.06	208	0.53	0.09	0.91

	0.01	7.84e-03	0.0	46,41,0	5.13e-03	7.52e-03	7.52e-03	208,45,45			1.00	0.04	0.96
5448	9.53e-03	8.00e-03	0.0	45,44,0	6.12e-03	2.85e-03	9.69e-03	208,44,44	0.06	208	0.53	0.09	0.91
	4.63e-03	3.86e-03	0.0	46,41,0	6.12e-03	5.35e-03	5.35e-03	208,45,45			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.14	0.10	0.0		0.01	0.07	0.07		0.08				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
52	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4425	0.02	6.73e-03	0.0	44,45,0	9.82e-03	0.01	0.01	211,45,45	0.08	211	0.53	0.09	0.91
	0.08	0.06	0.0	214,213,0	9.82e-03	0.05	0.05	211,45,45			1.00	0.04	0.96
4432	0.02	6.73e-03	0.0	44,45,0	9.82e-03	0.01	0.01	211,45,45	0.08	211	0.53	0.09	0.91
	0.12	0.09	0.0	45,44,0	9.82e-03	0.05	0.05	211,45,45			1.00	0.04	0.96
4433	0.01	4.79e-03	0.0	216,219,0	9.03e-03	3.04e-03	3.04e-03	211,45,45	0.07	211	0.53	0.09	0.91
	0.12	0.09	0.0	45,44,0	9.03e-03	0.06	0.06	211,45,45			1.00	0.04	0.96
4434	5.95e-03	6.80e-03	0.0	204,207,0	7.91e-03	2.46e-03	5.81e-03	211,45,44	0.07	211	0.53	0.09	0.91
	0.08	0.07	0.0	45,44,0	7.91e-03	0.06	0.06	211,45,45			1.00	0.04	0.96
4441	0.04	0.03	0.0	205,206,0	0.01	0.01	0.02	211,41,45	0.08	211	0.53	0.09	0.91
	0.08	0.06	0.0	213,214,0	0.01	0.02	0.02	211,44,44			1.00	0.04	0.96
4451	0.04	0.03	0.0	205,206,0	0.01	0.01	0.02	211,41,45	0.08	211	0.53	0.09	0.91
	0.08	0.06	0.0	213,214,0	0.01	0.02	0.02	211,44,44			1.00	0.04	0.96
4453	4.09e-03	2.33e-03	0.0	208,211,0	8.33e-03	3.27e-03	3.27e-03	211,44,44	0.07	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	8.33e-03	0.01	0.01	211,44,44			1.00	0.04	0.96
4455	8.69e-03	7.22e-03	0.0	210,209,0	7.30e-03	3.27e-03	3.27e-03	211,44,44	0.07	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	7.30e-03	0.01	0.01	211,44,44			1.00	0.04	0.96
5524	0.04	0.03	0.0	205,206,0	0.01	0.01	0.02	211,41,45	0.08	211	0.53	0.09	0.91
	0.08	0.06	0.0	213,214,0	0.01	0.02	0.02	211,44,44			1.00	0.04	0.96
5525	0.03	0.02	0.0	44,211,0	8.09e-03	5.43e-03	9.43e-03	211,45,231	0.07	211	0.53	0.09	0.91
	0.02	0.02	0.0	216,219,0	8.09e-03	1.91e-03	1.91e-03	211,45,45			1.00	0.04	0.96
5526	0.03	0.02	0.0	44,45,0	9.82e-03	0.01	0.01	211,45,45	0.08	211	0.53	0.09	0.91
	0.08	0.06	0.0	214,213,0	9.82e-03	0.05	0.05	211,45,45			1.00	0.04	0.96
5527	0.04	0.03	0.0	205,206,0	0.01	0.01	0.02	211,41,45	0.08	211	0.53	0.09	0.91
	0.08	0.06	0.0	213,214,0	0.01	0.02	0.02	211,44,44			1.00	0.04	0.96
5528	0.03	0.02	0.0	44,211,0	0.01	5.43e-03	9.43e-03	211,45,231	0.08	211	0.53	0.09	0.91
	0.02	0.02	0.0	216,219,0	0.01	1.91e-03	1.91e-03	211,45,45			1.00	0.04	0.96
5529	0.03	0.02	0.0	44,45,0	0.01	0.01	0.01	211,45,45	0.08	211	0.53	0.09	0.91
	0.12	0.09	0.0	45,44,0	0.01	0.05	0.05	211,45,45			1.00	0.04	0.96
5530	8.69e-03	7.22e-03	0.0	210,209,0	0.01	3.27e-03	3.27e-03	211,44,44	0.08	211	0.53	0.09	0.91
	0.07	0.05	0.0	213,214,0	0.01	0.01	0.01	211,44,44			1.00	0.04	0.96
5531	7.38e-03	4.09e-03	0.0	44,229,0	0.01	5.14e-03	5.14e-03	211,45,45	0.08	211	0.53	0.09	0.91
	0.02	0.01	0.0	219,216,0	0.01	5.95e-03	5.95e-03	211,45,45			1.00	0.04	0.96
5532	0.01	6.80e-03	0.0	216,207,0	0.01	5.14e-03	5.81e-03	211,45,44	0.08	211	0.53	0.09	0.91
	0.12	0.09	0.0	45,44,0	0.01	0.06	0.06	211,45,45			1.00	0.04	0.96
5533	8.69e-03	7.22e-03	0.0	210,209,0	0.01	1.66e-03	3.21e-03	211,45,44	0.08	211	0.53	0.09	0.91
	8.00e-03	6.11e-03	0.0	46,43,0	0.01	0.01	0.01	211,44,44			1.00	0.04	0.96
5534	4.65e-03	4.09e-03	0.0	230,229,0	0.01	4.01e-03	4.40e-03	211,45,44	0.08	211	0.53	0.09	0.91
	8.38e-03	6.49e-03	0.0	46,43,0	0.01	5.95e-03	5.95e-03	211,45,45			1.00	0.04	0.96
5535	5.95e-03	6.80e-03	0.0	204,207,0	0.01	4.01e-03	5.81e-03	211,45,44	0.08	211	0.53	0.09	0.91
	0.03	0.02	0.0	46,43,0	0.01	0.03	0.03	211,45,45			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.12	0.09	0.0		0.01	0.06	0.06		0.08				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
53	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2656 DI 2790

ok 0.0 0.0 0 0.0 0.0 0 0.0 0.0 0.0 0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1634	6.94e-03	5.61e-03	0.0	204,207,0	0.03	8.31e-03	0.01	210,18,18	0.13	210	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.03	0.02	0.02	210,18,18			1.00	0.04	0.96
1641	6.94e-03	5.61e-03	0.0	204,207,0	0.04	8.31e-03	0.01	210,18,18	0.15	210	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.04	0.02	0.02	210,18,18			1.00	0.04	0.96
1642	5.52e-03	4.35e-03	0.0	207,204,0	0.04	7.61e-04	1.53e-03	210,18,18	0.15	210	0.46	0.11	0.89
	0.04	0.03	0.0	22,15,0	0.04	0.02	0.02	210,19,19			1.00	0.04	0.96
1643	3.79e-03	2.32e-03	0.0	223,220,0	0.04	8.77e-04	1.53e-03	210,213,18	0.15	210	0.46	0.11	0.89
	0.03	0.02	0.0	22,15,0	0.04	0.02	0.02	210,19,19			1.00	0.04	0.96
1677	0.06	0.05	0.0	210,209,0	0.04	8.87e-03	0.01	204,15,18	0.15	204	0.46	0.11	0.89
	0.03	0.02	0.0	207,204,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
1684	0.06	0.05	0.0	210,209,0	0.04	8.87e-03	0.01	209,15,18	0.15	209	0.46	0.11	0.89
	0.03	0.02	0.0	207,204,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1685	5.70e-03	4.56e-03	0.0	209,210,0	0.04	1.48e-03	2.05e-03	209,19,22	0.15	209	0.46	0.11	0.89
	0.02	0.02	0.0	19,18,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1686	2.87e-03	1.96e-03	0.0	229,204,0	0.04	1.15e-03	1.59e-03	209,18,19	0.15	209	0.46	0.11	0.89
	0.02	0.01	0.0	19,18,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1699	0.06	0.05	0.0	210,209,0	0.04	8.87e-03	0.01	209,15,18	0.15	209	0.46	0.11	0.89
	0.03	0.02	0.0	207,204,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1700	0.06	0.05	0.0	210,209,0	0.04	8.87e-03	0.01	204,15,18	0.15	204	0.46	0.11	0.89
	0.03	0.02	0.0	207,204,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
1701	5.70e-03	4.56e-03	0.0	209,210,0	0.04	1.48e-03	2.85e-03	209,19,22	0.15	209	0.46	0.11	0.89
	0.02	0.02	0.0	19,18,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1702	2.87e-03	1.75e-03	0.0	229,230,0	0.04	1.15e-03	1.59e-03	209,18,19	0.15	209	0.46	0.11	0.89
	6.84e-03	4.88e-03	0.0	15,18,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1703	0.04	0.03	0.0	210,209,0	0.04	3.20e-03	0.01	210,19,18	0.15	210	0.46	0.11	0.89
	0.01	9.54e-03	0.0	207,204,0	0.04	2.37e-03	2.37e-03	210,18,18			1.00	0.04	0.96
1704	0.04	0.03	0.0	210,209,0	0.03	3.20e-03	0.01	209,19,18	0.13	209	0.46	0.11	0.89
	0.01	9.54e-03	0.0	207,204,0	0.03	2.37e-03	2.37e-03	209,18,18			1.00	0.04	0.96
1705	2.45e-03	2.31e-03	0.0	19,18,0	0.04	1.66e-03	3.16e-03	210,19,22	0.15	210	0.46	0.11	0.89
	9.01e-03	6.51e-03	0.0	18,18,0	0.04	5.57e-03	5.57e-03	210,18,18			1.00	0.04	0.96
1706	2.16e-03	1.49e-03	0.0	229,230,0	0.04	9.16e-04	1.30e-03	210,19,18	0.15	210	0.46	0.11	0.89
	6.43e-03	4.53e-03	0.0	18,19,0	0.04	5.57e-03	5.57e-03	210,18,18			1.00	0.04	0.96
1707	0.02	0.01	0.0	210,209,0	0.04	8.31e-03	0.01	210,18,18	0.15	210	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.04	0.02	0.02	210,18,18			1.00	0.04	0.96
1708	0.02	0.01	0.0	210,209,0	0.03	8.31e-03	0.01	210,18,18	0.13	210	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.03	0.02	0.02	210,18,18			1.00	0.04	0.96
1709	5.52e-03	4.35e-03	0.0	207,204,0	0.04	1.66e-03	3.16e-03	210,19,22	0.15	210	0.46	0.11	0.89
	0.04	0.03	0.0	22,15,0	0.04	0.02	0.02	210,19,19			1.00	0.04	0.96
1710	3.79e-03	2.32e-03	0.0	223,220,0	0.04	9.16e-04	1.30e-03	210,19,18	0.15	210	0.46	0.11	0.89
	0.01	7.40e-03	0.0	18,22,0	0.04	0.01	0.01	210,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.06	0.05	0.0		0.04	0.02	0.02		0.15				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
54	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
	ok	0.94	kN 8.7	172	0.62	kN 5.7	172	0.17	kN -137.3	kN m 5.231e+04	207		
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1617	0.03	0.03	0.0	209,210,0	0.02	0.03	0.03	204,18,18	0.12	204	0.85	0.06	0.94
	9.22e-03	6.39e-03	0.0	210,209,0	0.02	1.34e-03	1.34e-03	204,216,216					
1618	0.04	0.04	0.0	204,207,0	0.02	0.03	0.04	204,18,18	0.12	204	0.85	0.06	0.94
	0.01	9.56e-03	0.0	220,223,0	0.02	3.09e-03	3.09e-03	204,18,18					
1621	0.08	0.07	0.0	204,207,0	0.08	0.02	0.04	204,18,18	0.22	204	0.85	0.06	0.94
	0.01	9.56e-03	0.0	220,223,0	0.08	3.39e-03	3.39e-03	204,18,18					
1623	0.08	0.07	0.0	204,207,0	0.08	0.01	0.03	204,18,15	0.22	204	0.85	0.06	0.94
	0.01	8.54e-03	0.0	204,207,0	0.08	3.39e-03	3.39e-03	204,18,18					
1625	0.04	0.04	0.0	210,209,0	0.02	0.03	0.04	204,18,18	0.12	204	0.85	0.06	0.94
	0.01	9.78e-03	0.0	230,229,0	0.02	3.08e-03	3.08e-03	204,18,18					
1626	0.04	0.04	0.0	210,209,0	0.02	0.03	0.03	204,18,18	0.12	204	0.85	0.06	0.94
	9.11e-03	6.31e-03	0.0	204,207,0	0.02	1.32e-03	1.32e-03	204,213,213					

1627	0.08	0.08	0.0 210,209,0	0.08	0.02	0.04 204,18,18	0.21	204	0.85	0.06	0.94
	0.01	9.78e-03	0.0 230,229,0	0.08	3.39e-03	3.39e-03 204,18,18			1.00	0.04	0.96
1628	0.08	0.08	0.0 210,209,0	0.08	0.01	0.03 204,18,18	0.21	204	0.85	0.06	0.94
	0.01	8.85e-03	0.0 210,209,0	0.08	3.39e-03	3.39e-03 204,18,18			1.00	0.04	0.96
1629	0.07	0.06	0.0 22,18,0	0.08	6.30e-03	0.03 204,18,18	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0 210,209,0	0.08	6.50e-03	6.50e-03 204,18,18			1.00	0.04	0.96
1631	0.07	0.06	0.0 22,18,0	0.08	0.02	0.04 204,18,18	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0 210,209,0	0.08	6.50e-03	6.50e-03 204,18,18			1.00	0.04	0.96
1633	0.07	0.06	0.0 22,15,0	0.08	6.30e-03	0.03 207,18,18	0.21	207	0.85	0.06	0.94
	0.01	9.96e-03	0.0 204,207,0	0.08	6.49e-03	6.49e-03 207,18,18			1.00	0.04	0.96
1634	0.07	0.06	0.0 22,15,0	0.08	0.02	0.04 207,18,18	0.21	207	0.85	0.06	0.94
	0.01	9.96e-03	0.0 204,207,0	0.08	6.49e-03	6.49e-03 207,18,18			1.00	0.04	0.96
1635	0.06	0.05	0.0 22,18,0	8.78e-03	0.02	0.04 204,18,18	0.07	204	0.85	0.06	0.94
	0.01	8.75e-03	0.0 210,209,0	8.78e-03	5.46e-03	5.46e-03 204,18,18			1.00	0.04	0.96
1637	0.03	0.03	0.0 22,18,0	0.01	0.02	0.03 204,18,18	0.08	204	0.85	0.06	0.94
	7.08e-03	5.17e-03	0.0 209,210,0	0.01	2.76e-03	2.76e-03 204,18,18			1.00	0.04	0.96
1639	0.01	8.91e-03	0.0 22,16,0	0.01	0.02	0.02 204,18,18	0.08	204	0.85	0.06	0.94
	4.83e-03	3.25e-03	0.0 223,19,0	0.01	1.31e-03	1.31e-03 204,19,19			1.00	0.04	0.96
1640	0.01	8.91e-03	0.0 22,15,0	0.01	0.02	0.02 210,18,18	0.08	210	0.85	0.06	0.94
	6.00e-03	3.80e-03	0.0 229,230,0	0.01	1.33e-03	1.33e-03 210,19,19			1.00	0.04	0.96
1641	0.06	0.05	0.0 22,15,0	8.89e-03	0.02	0.04 210,18,18	0.07	210	0.85	0.06	0.94
	0.01	8.93e-03	0.0 204,207,0	8.89e-03	5.47e-03	5.47e-03 210,18,18			1.00	0.04	0.96
1642	0.03	0.03	0.0 22,15,0	0.01	0.02	0.03 210,18,18	0.08	210	0.85	0.06	0.94
	6.84e-03	5.00e-03	0.0 207,204,0	0.01	2.74e-03	2.74e-03 210,18,18			1.00	0.04	0.96
1643	0.01	8.91e-03	0.0 22,15,0	0.01	0.02	0.02 210,18,18	0.08	210	0.85	0.06	0.94
	6.00e-03	3.80e-03	0.0 229,230,0	0.01	1.33e-03	1.33e-03 210,19,19			1.00	0.04	0.96
5387	0.03	0.03	0.0 22,15,0	0.01	0.02	0.03 210,18,18	0.08	210	0.85	0.06	0.94
	7.08e-03	5.17e-03	0.0 209,210,0	0.01	2.76e-03	2.76e-03 210,18,18			1.00	0.04	0.96
5388	0.04	0.04	0.0 210,209,0	0.02	0.03	0.04 204,18,18	0.12	204	0.85	0.06	0.94
	0.01	9.78e-03	0.0 230,229,0	0.02	3.09e-03	3.09e-03 204,18,18			1.00	0.04	0.96
5389	0.04	0.04	0.0 210,209,0	0.02	0.03	0.03 204,18,18	0.12	204	0.85	0.06	0.94
	9.22e-03	6.39e-03	0.0 210,209,0	0.02	1.34e-03	1.34e-03 204,216,216			1.00	0.04	0.96
5390	0.08	0.08	0.0 210,209,0	0.08	0.02	0.04 204,18,18	0.22	204	0.85	0.06	0.94
	0.01	9.78e-03	0.0 230,229,0	0.08	3.39e-03	3.39e-03 204,18,18			1.00	0.04	0.96
5391	0.08	0.08	0.0 210,209,0	0.08	0.01	0.03 204,18,18	0.22	204	0.85	0.06	0.94
	0.01	8.85e-03	0.0 210,209,0	0.08	3.39e-03	3.39e-03 204,18,18			1.00	0.04	0.96
5392	0.07	0.06	0.0 22,18,0	0.08	6.30e-03	0.03 204,18,18	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0 210,209,0	0.08	6.50e-03	6.50e-03 204,18,18			1.00	0.04	0.96
5393	0.07	0.06	0.0 22,18,0	0.08	0.02	0.04 204,18,18	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0 210,209,0	0.08	6.50e-03	6.50e-03 204,18,18			1.00	0.04	0.96
5394	0.06	0.05	0.0 22,18,0	8.89e-03	0.02	0.04 210,18,18	0.07	210	0.85	0.06	0.94
	0.01	8.93e-03	0.0 204,207,0	8.89e-03	5.47e-03	5.47e-03 210,18,18			1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.08 0.08 0.0 0.08 0.03 0.04 0.22

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
55	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.0 0.0 0 0.0 0.0 0 0.0 0.0 kN kN m 0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1719	0.06	0.04	0.0 210,209,0		0.03	5.35e-03	0.01 204,19,18		0.14	204	0.24	0.19	0.81
	0.09	0.06	0.0 210,209,0		0.03	4.72e-03	4.72e-03 204,18,18				1.00	0.04	0.96
1720	3.67e-03	3.11e-03	0.0 204,207,0		0.03	6.04e-04	1.65e-03 207,213,18		0.13	207	0.24	0.19	0.81
	0.09	0.06	0.0 210,209,0		0.03	2.50e-03	2.50e-03 207,18,18				1.00	0.04	0.96
1721	0.06	0.04	0.0 210,209,0		0.03	5.35e-03	0.01 204,19,18		0.14	204	0.24	0.19	0.81
	0.08	0.06	0.0 210,209,0		0.03	4.72e-03	4.72e-03 204,18,18				1.00	0.04	0.96
1738	6.58e-03	5.35e-03	0.0 210,209,0		0.03	1.28e-03	2.54e-03 207,19,18		0.13	207	0.24	0.19	0.81
	0.08	0.05	0.0 204,207,0		0.03	5.91e-03	5.91e-03 207,19,19				1.00	0.04	0.96
1739	6.83e-03	6.42e-03	0.0 222,221,0		0.03	4.19e-03	9.50e-03 207,18,18		0.13	207	0.24	0.19	0.81
	0.08	0.06	0.0 204,207,0		0.03	5.91e-03	5.91e-03 207,19,19				1.00	0.04	0.96
1742	6.83e-03	6.42e-03	0.0 222,221,0		0.02	4.19e-03	9.50e-03 207,18,18		0.11	207	0.24	0.19	0.81
	0.08	0.06	0.0 204,207,0		0.02	4.56e-03	4.56e-03 207,18,18				1.00	0.04	0.96
1765	0.06	0.04	0.0 210,209,0		0.03	5.35e-03	0.01 204,19,18		0.14	204	0.24	0.19	0.81
	0.09	0.06	0.0 210,209,0		0.03	4.72e-03	4.72e-03 204,18,18				1.00	0.04	0.96
1766	3.67e-03	3.11e-03	0.0 204,207,0		0.03	7.73e-04	3.05e-03 207,19,18		0.13	207	0.24	0.19	0.81

	0.09	0.06	0.0 210,209,0	0.03	2.50e-03	2.50e-03 207,18,18			1.00	0.04	0.96
1767	0.06	0.04	0.0 210,209,0	0.03	5.35e-03	0.01 204,19,18	0.14	204	0.24	0.19	0.81
	0.08	0.06	0.0 210,209,0	0.03	4.72e-03	4.72e-03 204,18,18			1.00	0.04	0.96
1769	0.03	0.02	0.0 210,209,0	0.03	4.19e-03	0.01 207,18,18	0.13	207	0.24	0.19	0.81
	0.08	0.06	0.0 204,207,0	0.03	5.91e-03	5.91e-03 207,19,19			1.00	0.04	0.96
1770	6.58e-03	5.35e-03	0.0 210,209,0	0.03	1.28e-03	3.05e-03 207,19,18	0.13	207	0.24	0.19	0.81
	0.08	0.05	0.0 204,207,0	0.03	5.91e-03	5.91e-03 207,19,19			1.00	0.04	0.96
1771	0.03	0.02	0.0 210,209,0	0.02	4.19e-03	0.01 207,18,18	0.11	207	0.24	0.19	0.81
	0.08	0.06	0.0 204,207,0	0.02	4.56e-03	4.56e-03 207,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.09	0.06	0.0	0.03	5.91e-03	0.01	0.14				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
56	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V		Rif. cmb	V. testa		Azione V		Rif. cmb	V. h-d	Azione N		Azione M	Rif. cmb
	ok	0.0	kN	0	0.0	0.0	kN	0		0.0	kN	m		
			0.0				0.0				0.0	0.0	0	
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B	
4387	0.03	0.02	0.0	207,204,0	0.01	0.02	0.04	208,47,41	0.09	208	0.53	0.09	0.91	
	0.04	0.03	0.0	218,217,0	0.01	6.04e-03	6.04e-03	208,47,47			1.00	0.04	0.96	
4397	0.03	0.02	0.0	207,204,0	0.01	0.02	0.04	208,47,41	0.09	208	0.53	0.09	0.91	
	0.04	0.03	0.0	218,217,0	0.01	6.30e-03	6.30e-03	208,43,43			1.00	0.04	0.96	
4398	0.01	8.21e-03	0.0	44,45,0	8.21e-03	0.01	0.01	208,42,42	0.07	208	0.53	0.09	0.91	
	0.02	0.04	0.0	218,59,0	8.21e-03	6.61e-03	6.61e-03	208,42,42			1.00	0.04	0.96	
4399	6.21e-03	4.39e-03	0.0	44,227,0	7.30e-03	8.98e-03	8.98e-03	208,44,44	0.07	208	0.53	0.09	0.91	
	3.36e-03	0.04	0.0	226,59,0	7.30e-03	0.01	0.01	208,47,47			1.00	0.04	0.96	
4403	0.05	0.03	0.0	44,45,0	0.01	0.02	0.04	208,47,41	0.09	208	0.53	0.09	0.91	
	0.04	0.03	0.0	218,217,0	0.01	6.04e-03	6.04e-03	208,47,47			1.00	0.04	0.96	
4407	0.06	0.04	0.0	44,45,0	6.67e-03	0.01	0.02	205,42,19	0.06	205	0.53	0.09	0.91	
	9.30e-03	7.65e-03	0.0	213,214,0	6.67e-03	2.96e-03	2.96e-03	205,45,45			1.00	0.04	0.96	
4408	0.05	0.03	0.0	44,45,0	0.01	0.02	0.04	208,47,41	0.09	208	0.53	0.09	0.91	
	0.04	0.03	0.0	218,217,0	0.01	6.30e-03	6.30e-03	208,43,43			1.00	0.04	0.96	
4409	0.03	0.02	0.0	44,45,0	8.33e-03	0.01	0.01	208,42,42	0.07	208	0.53	0.09	0.91	
	0.02	0.04	0.0	218,59,0	8.33e-03	0.01	0.01	208,47,47			1.00	0.04	0.96	
4410	8.35e-03	7.20e-03	0.0	41,44,0	7.66e-03	2.84e-03	8.73e-03	208,224,44	0.07	208	0.53	0.09	0.91	
	6.60e-03	5.71e-03	0.0	45,44,0	7.66e-03	0.01	0.01	208,47,47			1.00	0.04	0.96	
4411	0.06	0.04	0.0	44,45,0	8.33e-03	0.01	0.02	208,42,19	0.07	208	0.53	0.09	0.91	
	9.30e-03	8.71e-03	0.0	213,44,0	8.33e-03	2.96e-03	2.96e-03	208,45,45			1.00	0.04	0.96	
4412	0.03	0.02	0.0	44,45,0	8.33e-03	4.94e-03	9.75e-03	208,47,222	0.07	208	0.53	0.09	0.91	
	9.19e-03	8.71e-03	0.0	45,44,0	8.33e-03	6.84e-03	6.84e-03	208,45,45			1.00	0.04	0.96	
4413	9.54e-03	8.16e-03	0.0	45,44,0	7.66e-03	2.33e-03	8.73e-03	208,44,44	0.07	208	0.53	0.09	0.91	
	6.60e-03	5.71e-03	0.0	45,44,0	7.66e-03	6.84e-03	6.84e-03	208,45,45			1.00	0.04	0.96	
4420	0.03	0.01	0.0	44,214,0	5.27e-03	0.02	0.02	208,45,45	0.06	208	0.53	0.09	0.91	
	0.08	0.05	0.0	44,45,0	5.27e-03	0.06	0.06	208,45,45			1.00	0.04	0.96	
4426	0.03	0.01	0.0	44,214,0	5.27e-03	0.02	0.02	208,45,45	0.06	208	0.53	0.09	0.91	
	0.14	0.10	0.0	44,45,0	5.27e-03	0.06	0.06	208,45,45			1.00	0.04	0.96	
4428	6.22e-03	1.51e-03	0.0	44,215,0	3.93e-03	2.70e-03	2.83e-03	208,221,227	0.05	208	0.53	0.09	0.91	
	0.14	0.10	0.0	44,45,0	3.93e-03	0.07	0.07	208,46,46			1.00	0.04	0.96	
4430	5.57e-03	6.87e-03	0.0	222,44,0	3.19e-03	2.70e-03	6.90e-03	208,221,44	0.04	208	0.53	0.09	0.91	
	0.10	0.07	0.0	44,45,0	3.20e-03	0.07	0.07	208,46,46			1.00	0.04	0.96	
5536	0.05	0.03	0.0	44,45,0	5.27e-03	0.02	0.02	208,45,45	0.06	208	0.53	0.09	0.91	
	0.08	0.05	0.0	44,45,0	5.27e-03	0.06	0.06	208,45,45			1.00	0.04	0.96	
5537	0.05	0.03	0.0	44,45,0	5.48e-03	0.02	0.02	208,45,45	0.06	208	0.53	0.09	0.91	
	0.14	0.10	0.0	44,45,0	5.48e-03	0.06	0.06	208,45,45			1.00	0.04	0.96	
5538	0.06	0.03	0.0	44,45,0	4.00e-03	6.61e-03	6.61e-03	208,47,47	0.05	208	0.53	0.09	0.91	
	0.02	0.01	0.0	219,216,0	4.00e-03	2.75e-03	2.75e-03	208,46,46			1.00	0.04	0.96	
5539	0.06	0.03	0.0	44,45,0	7.00e-03	0.01	0.01	208,44,44	0.06	208	0.53	0.09	0.91	
	0.02	0.01	0.0	219,216,0	7.00e-03	2.75e-03	2.75e-03	208,46,46			1.00	0.04	0.96	
5540	0.06	0.04	0.0	44,45,0	4.96e-03	2.85e-03	0.02	208,42,220	0.05	208	0.53	0.09	0.91	
	5.10e-03	3.25e-03	0.0	213,213,0	4.96e-03	1.29e-03	1.29e-03	208,42,42			1.00	0.04	0.96	
5541	0.06	0.04	0.0	44,45,0	7.98e-03	5.54e-03	0.02	208,42,220	0.07	208	0.53	0.09	0.91	
	6.33e-03	4.98e-03	0.0	46,44,0	7.98e-03	1.29e-03	1.29e-03	208,42,42			1.00	0.04	0.96	
5542	0.01	7.25e-03	0.0	44,45,0	5.48e-03	0.01	0.01	208,44,44	0.06	208	0.53	0.09	0.91	
	0.14	0.10	0.0	44,45,0	5.48e-03	0.07	0.07	208,46,46			1.00	0.04	0.96	
5543	0.03	0.02	0.0	44,45,0	7.00e-03	0.01	0.01	208,44,44	0.06	208	0.53	0.09	0.91	
	0.01	0.01	0.0	44,45,0	7.00e-03	7.52e-03	7.52e-03	208,46,46			1.00	0.04	0.96	

5544	0.03	0.02	0.0	44,45,0	7.98e-03	5.54e-03	9.77e-03	208,42,44	0.07	208	0.53	0.09	0.91
	6.33e-03	4.98e-03	0.0	46,44,0	7.98e-03	5.39e-03	5.39e-03	208,42,42			1.00	0.04	0.96
5545	5.57e-03	6.87e-03	0.0	222,44,0	5.06e-03	5.31e-03	8.59e-03	208,44,44	0.05	208	0.53	0.09	0.91
	0.03	0.02	0.0	48,41,0	5.06e-03	0.04	0.04	208,45,45			1.00	0.04	0.96
5546	8.79e-03	8.02e-03	0.0	45,44,0	6.12e-03	5.31e-03	9.77e-03	208,44,44	0.06	208	0.53	0.09	0.91
	0.01	7.85e-03	0.0	46,43,0	6.12e-03	7.52e-03	7.52e-03	208,46,46			1.00	0.04	0.96
5547	9.54e-03	8.16e-03	0.0	45,44,0	7.10e-03	2.87e-03	9.77e-03	208,44,44	0.06	208	0.53	0.09	0.91
	4.62e-03	3.99e-03	0.0	46,43,0	7.10e-03	5.39e-03	5.39e-03	208,42,42			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.10	0.0	0.01	0.07	0.07	0.09

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
57	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1728	0.06	0.04	0.0	204,207,0	0.03	7.95e-03	0.01	210,18,18	0.14	210	0.46	0.11	0.89
	0.02	0.01	0.0	204,207,0	0.03	0.01	0.01	210,18,18			1.00	0.04	0.96
1735	0.06	0.04	0.0	204,207,0	0.04	7.95e-03	0.01	210,18,18	0.15	210	0.46	0.11	0.89
	0.02	0.02	0.0	22,18,0	0.04	0.01	0.01	210,18,18			1.00	0.04	0.96
1736	4.64e-03	4.52e-03	0.0	210,209,0	0.04	1.53e-03	2.27e-03	210,19,18	0.15	210	0.46	0.11	0.89
	0.02	0.02	0.0	22,18,0	0.04	0.01	0.01	210,18,18			1.00	0.04	0.96
1737	3.50e-03	2.47e-03	0.0	223,220,0	0.03	1.29e-03	1.82e-03	210,18,19	0.14	210	0.46	0.11	0.89
	0.01	0.01	0.0	19,18,0	0.03	0.01	0.01	210,18,18			1.00	0.04	0.96
1752	8.39e-03	8.60e-03	0.0	230,229,0	0.03	7.17e-03	0.01	209,18,18	0.13	209	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.03	0.01	0.01	209,18,18			1.00	0.04	0.96
1756	8.39e-03	8.60e-03	0.0	230,229,0	0.04	7.17e-03	0.01	209,18,18	0.16	209	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1758	4.14e-03	4.58e-03	0.0	204,207,0	0.04	8.07e-04	1.23e-03	209,19,18	0.16	209	0.46	0.11	0.89
	0.03	0.03	0.0	22,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1760	3.37e-03	2.31e-03	0.0	225,204,0	0.04	8.07e-04	1.23e-03	209,219,18	0.16	209	0.46	0.11	0.89
	0.02	0.02	0.0	22,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1773	0.06	0.04	0.0	204,207,0	0.04	7.95e-03	0.01	209,18,18	0.16	209	0.46	0.11	0.89
	0.02	0.02	0.0	22,18,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1774	0.06	0.04	0.0	204,207,0	0.03	7.95e-03	0.01	210,18,18	0.14	210	0.46	0.11	0.89
	0.02	0.01	0.0	204,207,0	0.03	0.01	0.01	210,18,18			1.00	0.04	0.96
1775	4.64e-03	4.52e-03	0.0	210,209,0	0.04	1.53e-03	2.54e-03	209,19,18	0.16	209	0.46	0.11	0.89
	0.02	0.02	0.0	22,18,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1776	3.50e-03	2.47e-03	0.0	223,220,0	0.04	1.29e-03	1.82e-03	209,18,19	0.15	209	0.46	0.11	0.89
	5.93e-03	4.16e-03	0.0	18,22,0	0.04	9.24e-03	9.24e-03	209,18,18			1.00	0.04	0.96
1777	0.03	0.02	0.0	204,207,0	0.04	7.17e-03	0.01	209,18,18	0.16	209	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
1778	0.03	0.02	0.0	204,207,0	0.03	7.17e-03	0.01	209,18,18	0.13	209	0.46	0.11	0.89
	0.04	0.03	0.0	210,209,0	0.03	0.01	0.01	209,18,18			1.00	0.04	0.96
1779	4.14e-03	4.58e-03	0.0	204,207,0	0.04	9.12e-04	2.54e-03	209,19,18	0.16	209	0.46	0.11	0.89
	0.03	0.03	0.0	22,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1780	3.37e-03	2.14e-03	0.0	225,226,0	0.04	9.12e-04	1.34e-03	209,19,18	0.15	209	0.46	0.11	0.89
	8.44e-03	5.95e-03	0.0	18,22,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.06	0.04	0.0		0.04	0.02	0.02		0.16				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
58	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.54	-28.5	175	0.66	-35.1	175	0.49	6542.5	7.296e+05	230

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1500	0.13	0.24	0.0	234,233,0	0.05	3.84e-03	0.03	207,18,233	0.17	207	0.85	0.06	0.94
	0.02	0.02	0.0	204,207,0	0.05	3.03e-03	3.03e-03	207,225,225			1.00	0.04	0.96
1501	0.13	0.24	0.0	234,233,0	0.03	3.84e-03	0.03	207,18,233	0.13	207	0.85	0.06	0.94
	3.54e-03	6.71e-03	0.0	224,227,0	0.03	2.21e-03	2.21e-03	207,18,18			1.00	0.04	0.96
1502	0.12	0.22	0.0	234,233,0	0.10	2.39e-03	0.03	207,18,233	0.25	207	0.85	0.06	0.94
	0.02	0.02	0.0	204,207,0	0.10	3.03e-03	3.03e-03	207,225,225			1.00	0.04	0.96
1503	0.10	0.19	0.0	234,233,0	0.12	1.51e-03	0.02	207,15,233	0.27	207	0.85	0.06	0.94
	0.02	0.01	0.0	204,207,0	0.12	2.56e-03	2.56e-03	207,22,22			1.00	0.04	0.96
1516	0.08	0.17	0.0	234,233,0	0.14	1.13e-03	0.02	223,214,233	0.28	223	0.85	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.14	2.56e-03	2.56e-03	223,22,22			1.00	0.04	0.96
1517	0.06	0.15	0.0	226,225,0	0.14	1.36e-03	0.02	223,210,225	0.28	223	0.85	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.14	2.33e-03	2.33e-03	223,19,19			1.00	0.04	0.96
1536	0.05	0.14	0.0	226,225,0	0.15	2.18e-03	0.02	223,15,225	0.30	223	0.85	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.15	3.32e-03	3.32e-03	223,19,19			1.00	0.04	0.96
1537	0.04	0.12	0.0	226,225,0	0.19	4.33e-03	0.01	223,18,225	0.33	223	0.85	0.06	0.94
	5.82e-04	0.02	0.0	209,52,0	0.19	3.40e-03	3.40e-03	223,18,18			1.00	0.04	0.96
1538	0.03	0.10	0.0	226,225,0	0.19	4.33e-03	0.01	223,18,223	0.33	223	0.85	0.06	0.94
	5.82e-04	0.01	0.0	209,52,0	0.19	3.40e-03	3.40e-03	223,18,18			1.00	0.04	0.96
1781	0.13	0.24	0.0	234,233,0	0.05	0.01	0.03	207,18,233	0.17	207	0.85	0.06	0.94
	0.06	0.05	0.0	204,207,0	0.05	3.78e-03	3.78e-03	207,19,19			1.00	0.04	0.96
1782	0.13	0.24	0.0	234,233,0	0.03	0.01	0.03	207,18,233	0.13	207	0.85	0.06	0.94
	9.06e-03	0.01	0.0	224,227,0	0.03	3.78e-03	3.78e-03	207,19,19			1.00	0.04	0.96
1783	0.12	0.22	0.0	234,233,0	0.11	9.55e-03	0.03	207,18,233	0.25	207	0.85	0.06	0.94
	0.06	0.05	0.0	204,207,0	0.11	3.03e-03	3.03e-03	207,225,225			1.00	0.04	0.96
1784	0.10	0.19	0.0	234,233,0	0.12	6.20e-03	0.02	207,18,233	0.27	207	0.85	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.12	2.56e-03	2.56e-03	207,22,22			1.00	0.04	0.96
1785	0.04	0.04	0.0	209,207,0	0.04	0.02	0.03	207,19,18	0.16	207	0.85	0.06	0.94
	0.09	0.07	0.0	204,207,0	0.04	3.78e-03	3.78e-03	207,19,19			1.00	0.04	0.96
1786	0.04	0.04	0.0	204,207,0	0.03	0.02	0.03	207,19,18	0.13	207	0.85	0.06	0.94
	9.06e-03	0.01	0.0	224,227,0	0.03	3.78e-03	3.78e-03	207,19,19			1.00	0.04	0.96
1787	0.06	0.06	0.0	209,207,0	0.11	0.02	0.03	207,19,18	0.25	207	0.85	0.06	0.94
	0.09	0.07	0.0	204,207,0	0.11	2.21e-03	2.21e-03	207,18,18			1.00	0.04	0.96
1788	0.06	0.06	0.0	209,207,0	0.12	8.49e-03	0.02	207,19,18	0.26	207	0.85	0.06	0.94
	0.07	0.05	0.0	204,207,0	0.12	2.21e-03	2.21e-03	207,18,18			1.00	0.04	0.96
1789	0.04	0.04	0.0	209,207,0	0.03	0.02	0.03	207,19,18	0.13	207	0.85	0.06	0.94
	0.09	0.07	0.0	204,207,0	0.03	3.08e-03	3.08e-03	207,19,19			1.00	0.04	0.96
1790	0.04	0.04	0.0	204,207,0	0.03	0.02	0.03	207,19,18	0.13	207	0.85	0.06	0.94
	8.10e-03	9.38e-03	0.0	226,225,0	0.03	3.08e-03	3.08e-03	207,19,19			1.00	0.04	0.96
1791	0.06	0.06	0.0	209,207,0	0.10	0.02	0.03	207,19,18	0.24	207	0.85	0.06	0.94
	0.09	0.07	0.0	204,207,0	0.10	2.21e-03	2.21e-03	207,18,18			1.00	0.04	0.96
1792	0.06	0.06	0.0	209,207,0	0.10	8.49e-03	0.02	207,19,18	0.24	207	0.85	0.06	0.94
	0.07	0.05	0.0	204,207,0	0.10	2.21e-03	2.21e-03	207,18,18			1.00	0.04	0.96
1793	0.08	0.17	0.0	234,233,0	0.14	2.39e-03	0.02	223,18,233	0.28	223	0.85	0.06	0.94
	0.05	0.04	0.0	210,209,0	0.14	2.56e-03	2.56e-03	223,22,22			1.00	0.04	0.96
1794	0.06	0.15	0.0	226,225,0	0.14	5.49e-03	0.02	223,19,225	0.28	223	0.85	0.06	0.94
	0.06	0.05	0.0	210,209,0	0.14	2.36e-03	2.36e-03	223,18,18			1.00	0.04	0.96
1795	0.05	0.04	0.0	19,18,0	0.12	4.75e-03	0.02	207,19,18	0.26	207	0.85	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.12	4.40e-03	4.40e-03	207,19,19			1.00	0.04	0.96
1796	0.05	0.04	0.0	19,18,0	0.11	0.02	0.03	207,19,15	0.25	207	0.85	0.06	0.94
	0.10	0.08	0.0	210,209,0	0.11	4.40e-03	4.40e-03	207,19,19			1.00	0.04	0.96
1797	0.05	0.04	0.0	19,18,0	0.09	4.75e-03	0.02	209,19,18	0.23	209	0.85	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.09	4.40e-03	4.40e-03	209,19,19			1.00	0.04	0.96
1798	0.05	0.04	0.0	19,18,0	0.09	0.02	0.03	209,19,15	0.23	209	0.85	0.06	0.94
	0.10	0.08	0.0	210,209,0	0.09	4.40e-03	4.40e-03	209,19,19			1.00	0.04	0.96
1799	0.05	0.14	0.0	226,225,0	0.15	9.04e-03	0.02	223,18,18	0.30	223	0.85	0.06	0.94
	0.06	0.05	0.0	210,209,0	0.15	3.32e-03	3.32e-03	223,19,19			1.00	0.04	0.96
1800	0.04	0.12	0.0	226,225,0	0.19	0.01	0.02	223,18,18	0.33	223	0.85	0.06	0.94
	0.01	0.02	0.0	209,28,0	0.19	3.40e-03	3.40e-03	223,18,18			1.00	0.04	0.96
1801	0.03	0.10	0.0	226,225,0	0.19	0.01	0.02	223,18,18	0.33	223	0.85	0.06	0.94
	0.01	0.01	0.0	209,52,0	0.19	3.40e-03	3.40e-03	223,18,18			1.00	0.04	0.96
1802	0.05	0.04	0.0	19,18,0	0.04	0.02	0.03	207,19,15	0.16	207	0.85	0.06	0.94
	0.10	0.08	0.0	210,209,0	0.04	3.37e-03	3.37e-03	207,18,18			1.00	0.04	0.96
1803	0.03	0.02	0.0	19,18,0	0.03	0.02	0.03	207,19,15	0.12	207	0.85	0.06	0.94
	0.01	0.02	0.0	209,28,0	0.03	2.65e-03	2.65e-03	207,19,19			1.00	0.04	0.96
1804	8.75e-03	0.01	0.0	19,224,0	0.02	0.02	0.02	207,19,18	0.12	207	0.85	0.06	0.94
	0.01	0.01	0.0	209,18,0	0.02	2.50e-03	2.50e-03	207,213,213			1.00	0.04	0.96
1805	0.05	0.04	0.0	19,18,0	0.02	0.02	0.03	209,19,15	0.11	209	0.85	0.06	0.94
	0.10	0.08	0.0	210,209,0	0.02	3.37e-03	3.37e-03	209,18,18			1.00	0.04	0.96
1806	0.03	0.02	0.0	19,18,0	0.02	0.02	0.03	209,19,15	0.11	209	0.85	0.06	0.94
	9.40e-03	0.01	0.0	19,52,0	0.02	2.65e-03	2.65e-03	209,19,19			1.00	0.04	0.96
1807	8.75e-03	8.07e-03	0.0	19,18,0	0.02	0.02	0.02	209,19,18	0.11	209	0.85	0.06	0.94
	9.40e-03	0.01	0.0	19,18,0	0.02	2.50e-03	2.50e-03	209,213,213			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.24	0.0	0.19	0.02	0.03	0.33

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
59	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1746	0.01	9.68e-03	0.0	230,229,0	0.03	5.23e-03	9.78e-03	207,19,18	0.13	207	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.03	7.08e-03	7.08e-03	207,19,19			1.00	0.04	0.96
1747	5.21e-03	4.55e-03	0.0	204,207,0	0.03	6.48e-04	1.49e-03	207,18,18	0.13	207	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.03	6.55e-03	6.55e-03	207,18,18			1.00	0.04	0.96
1748	0.01	9.68e-03	0.0	230,229,0	0.02	5.23e-03	9.78e-03	207,19,18	0.12	207	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.02	7.08e-03	7.08e-03	207,19,19			1.00	0.04	0.96
1789	0.05	0.04	0.0	204,207,0	0.04	5.44e-03	0.01	207,18,18	0.15	207	0.24	0.19	0.81
	0.10	0.07	0.0	209,210,0	0.04	7.33e-03	7.33e-03	207,19,19			1.00	0.04	0.96
1790	6.03e-03	5.62e-03	0.0	210,209,0	0.03	4.76e-04	1.36e-03	207,19,18	0.14	207	0.24	0.19	0.81
	0.10	0.07	0.0	209,210,0	0.03	5.88e-03	5.88e-03	207,19,19			1.00	0.04	0.96
1791	0.05	0.04	0.0	204,207,0	0.04	5.44e-03	0.01	207,18,18	0.15	207	0.24	0.19	0.81
	0.10	0.07	0.0	209,210,0	0.04	7.33e-03	7.33e-03	207,19,19			1.00	0.04	0.96
1808	0.05	0.04	0.0	204,207,0	0.04	5.44e-03	0.01	207,18,18	0.15	207	0.24	0.19	0.81
	0.10	0.07	0.0	209,210,0	0.04	7.33e-03	7.33e-03	207,19,19			1.00	0.04	0.96
1809	6.03e-03	5.62e-03	0.0	210,209,0	0.03	5.84e-04	2.57e-03	207,216,18	0.14	207	0.24	0.19	0.81
	0.10	0.07	0.0	209,210,0	0.03	5.88e-03	5.88e-03	207,19,19			1.00	0.04	0.96
1810	0.05	0.04	0.0	204,207,0	0.04	5.44e-03	0.01	207,18,18	0.15	207	0.24	0.19	0.81
	0.10	0.07	0.0	209,210,0	0.04	7.33e-03	7.33e-03	207,19,19			1.00	0.04	0.96
1812	0.03	0.03	0.0	204,207,0	0.03	1.87e-03	0.01	207,18,18	0.13	207	0.24	0.19	0.81
	0.03	0.02	0.0	204,207,0	0.03	1.76e-03	1.76e-03	207,18,18			1.00	0.04	0.96
1813	2.99e-03	3.09e-03	0.0	220,223,0	0.03	7.33e-04	2.78e-03	207,18,18	0.13	207	0.24	0.19	0.81
	0.02	0.02	0.0	204,207,0	0.03	1.76e-03	1.76e-03	207,18,18			1.00	0.04	0.96
1814	0.03	0.03	0.0	204,207,0	0.02	1.87e-03	0.01	207,18,18	0.10	207	0.24	0.19	0.81
	0.03	0.02	0.0	204,207,0	0.02	7.37e-04	7.37e-04	207,18,18			1.00	0.04	0.96
1816	0.01	0.01	0.0	220,223,0	0.03	5.23e-03	0.01	207,19,18	0.13	207	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.03	7.08e-03	7.08e-03	207,19,19			1.00	0.04	0.96
1817	5.21e-03	4.55e-03	0.0	204,207,0	0.03	7.33e-04	2.78e-03	207,18,18	0.13	207	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.03	6.55e-03	6.55e-03	207,18,18			1.00	0.04	0.96
1818	0.01	0.01	0.0	220,223,0	0.02	5.23e-03	0.01	207,19,18	0.12	207	0.24	0.19	0.81
	0.10	0.07	0.0	210,209,0	0.02	7.08e-03	7.08e-03	207,19,19			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.07	0.0	0.04	7.33e-03	0.01	0.15

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
60	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4362	0.02	5.84e-03	0.0	44,45,0	7.69e-03	0.01	0.01	216,43,43	0.07	216	0.53	0.09	0.91
	0.09	0.07	0.0	214,213,0	7.69e-03	0.05	0.05	216,45,45			1.00	0.04	0.96
4369	0.02	5.84e-03	0.0	44,45,0	7.69e-03	0.01	0.01	216,43,43	0.07	216	0.53	0.09	0.91
	0.12	0.09	0.0	45,44,0	7.69e-03	0.05	0.05	216,45,45			1.00	0.04	0.96
4370	0.01	4.56e-03	0.0	216,219,0	4.77e-03	3.04e-03	3.04e-03	206,47,47	0.05	206	0.53	0.09	0.91
	0.12	0.09	0.0	45,44,0	4.77e-03	0.06	0.06	206,45,45			1.00	0.04	0.96
4371	6.20e-03	5.21e-03	0.0	44,223,0	4.19e-03	2.46e-03	5.67e-03	206,45,44	0.05	206	0.53	0.09	0.91
	0.08	0.07	0.0	45,44,0	4.19e-03	0.06	0.06	206,45,45			1.00	0.04	0.96
4378	0.04	0.02	0.0	213,214,0	8.28e-03	0.01	0.01	214,44,44	0.07	214	0.53	0.09	0.91

	0.09	0.06	0.0 213,214,0	8.28e-03	0.02	0.02 214,44,44			1.00	0.04	0.96
4388	0.04	0.02	0.0 213,214,0	8.28e-03	0.01	0.01 214,44,44	0.07	214	0.53	0.09	0.91
	0.09	0.06	0.0 213,214,0	8.28e-03	0.02	0.02 214,44,44			1.00	0.04	0.96
4390	5.40e-03	1.58e-03	0.0 222,215,0	4.70e-03	3.21e-03	3.21e-03 206,46,46	0.05	206	0.53	0.09	0.91
	0.08	0.05	0.0 213,214,0	4.70e-03	0.02	0.02 206,44,44			1.00	0.04	0.96
4392	8.09e-03	6.61e-03	0.0 206,205,0	4.07e-03	3.21e-03	3.21e-03 206,46,46	0.05	206	0.53	0.09	0.91
	0.08	0.05	0.0 213,214,0	4.08e-03	0.02	0.02 206,44,44			1.00	0.04	0.96
5183	0.04	0.02	0.0 213,214,0	8.28e-03	0.01	0.01 214,44,44	0.07	214	0.53	0.09	0.91
	0.09	0.06	0.0 213,214,0	8.28e-03	0.02	0.02 214,44,44			1.00	0.04	0.96
5185	0.03	0.02	0.0 44,214,0	5.28e-03	5.40e-03	0.01219,46,222	0.06	219	0.53	0.09	0.91
	0.02	0.02	0.0 216,219,0	5.28e-03	1.90e-03	1.90e-03 219,45,45			1.00	0.04	0.96
5186	0.03	0.01	0.0 44,45,0	7.69e-03	0.01	0.01 216,43,43	0.07	216	0.53	0.09	0.91
	0.09	0.07	0.0 214,213,0	7.69e-03	0.05	0.05 216,45,45			1.00	0.04	0.96
5410	0.04	0.02	0.0 213,214,0	8.28e-03	0.01	0.01 214,44,44	0.07	214	0.53	0.09	0.91
	0.09	0.06	0.0 213,214,0	8.28e-03	0.02	0.02 214,44,44			1.00	0.04	0.96
5411	0.03	0.02	0.0 44,214,0	6.36e-03	5.40e-03	0.01210,46,222	0.06	210	0.53	0.09	0.91
	0.02	0.02	0.0 216,219,0	6.36e-03	1.90e-03	1.90e-03210,220,220			1.00	0.04	0.96
5412	0.03	0.01	0.0 44,45,0	7.69e-03	0.01	0.01 216,43,43	0.07	216	0.53	0.09	0.91
	0.12	0.09	0.0 45,44,0	7.69e-03	0.05	0.05 216,45,45			1.00	0.04	0.96
5425	8.49e-03	6.61e-03	0.0 44,205,0	6.36e-03	3.21e-03	3.21e-03 210,46,46	0.06	210	0.53	0.09	0.91
	0.08	0.05	0.0 213,214,0	6.36e-03	0.02	0.02 210,44,44			1.00	0.04	0.96
5426	8.89e-03	3.79e-03	0.0 212,221,0	6.36e-03	5.11e-03	5.11e-03 210,45,45	0.06	210	0.53	0.09	0.91
	0.02	0.01	0.0 216,219,0	6.36e-03	5.93e-03	5.93e-03 210,45,45			1.00	0.04	0.96
5427	0.01	5.21e-03	0.0 216,223,0	6.29e-03	5.11e-03	5.67e-03 210,45,44	0.06	210	0.53	0.09	0.91
	0.12	0.09	0.0 45,44,0	6.29e-03	0.06	0.06 210,45,45			1.00	0.04	0.96
5428	8.09e-03	6.61e-03	0.0 206,205,0	5.73e-03	1.64e-03	3.08e-03 206,45,46	0.06	206	0.53	0.09	0.91
	8.14e-03	6.51e-03	0.0 42,43,0	5.73e-03	0.02	0.02 206,44,44			1.00	0.04	0.96
5429	4.91e-03	3.79e-03	0.0 222,221,0	5.73e-03	3.98e-03	4.26e-03 206,46,42	0.06	206	0.53	0.09	0.91
	8.30e-03	6.54e-03	0.0 46,43,0	5.73e-03	5.93e-03	5.93e-03 206,45,45			1.00	0.04	0.96
5430	4.53e-03	5.21e-03	0.0 220,223,0	5.64e-03	3.98e-03	5.67e-03 206,46,44	0.06	206	0.53	0.09	0.91
	0.03	0.02	0.0 45,43,0	5.64e-03	0.03	0.03 206,45,45			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.12	0.09	0.0	8.28e-03	0.06	0.06	0.07				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
61	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.0	kN	0	0.0	kN	0	0.0	kN	kN m	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4327	0.02	0.01	0.0	44,47,0	4.01e-03	0.02	0.02	205,43,43	0.05	205	0.53	0.09	0.91
	0.02	0.02	0.0	222,221,0	4.01e-03	6.46e-03	6.46e-03	205,43,43			1.00	0.04	0.96
4334	0.02	0.01	0.0	44,47,0	7.13e-03	0.02	0.02	208,43,43	0.06	208	0.53	0.09	0.91
	0.02	0.02	0.0	222,221,0	7.12e-03	6.75e-03	6.75e-03	208,44,44			1.00	0.04	0.96
4335	0.01	7.63e-03	0.0	43,46,0	7.13e-03	0.01	0.01	208,46,46	0.06	208	0.53	0.09	0.91
	7.13e-03	0.03	0.0	206,59,0	7.12e-03	8.06e-03	8.06e-03	208,220,220			1.00	0.04	0.96
4336	4.55e-03	3.51e-03	0.0	45,46,0	7.41e-03	8.77e-03	0.01	208,46,46	0.07	208	0.53	0.09	0.91
	2.84e-03	0.03	0.0	45,59,0	7.41e-03	0.01	0.01	208,43,43			1.00	0.04	0.96
4339	0.06	0.02	0.0	44,45,0	4.06e-03	0.02	0.02	208,47,47	0.05	208	0.53	0.09	0.91
	0.09	0.05	0.0	205,206,0	4.06e-03	0.05	0.05	205,45,45			1.00	0.04	0.96
4340	0.05	0.03	0.0	44,45,0	4.01e-03	0.02	0.02	205,43,43	0.05	205	0.53	0.09	0.91
	0.02	0.02	0.0	222,221,0	4.01e-03	6.46e-03	6.46e-03	205,43,43			1.00	0.04	0.96
4341	0.06	0.03	0.0	44,45,0	2.19e-03	6.03e-03	0.02	208,44,226	0.04	208	0.53	0.09	0.91
	0.02	0.01	0.0	219,216,0	2.19e-03	2.71e-03	2.71e-03	208,45,45			1.00	0.04	0.96
4342	0.06	0.03	0.0	44,45,0	2.33e-03	3.46e-03	8.05e-03	208,46,215	0.04	208	0.53	0.09	0.91
	5.51e-03	2.99e-03	0.0	213,214,0	2.33e-03	1.22e-03	1.22e-03	208,46,46			1.00	0.04	0.96
4344	0.06	0.03	0.0	44,45,0	2.71e-03	0.01	0.01	208,46,46	0.04	208	0.53	0.09	0.91
	6.51e-03	5.17e-03	0.0	225,226,0	2.71e-03	2.99e-03	2.99e-03	208,43,43			1.00	0.04	0.96
4345	0.05	0.03	0.0	44,45,0	7.13e-03	0.02	0.02	208,43,43	0.06	208	0.53	0.09	0.91
	0.02	0.02	0.0	222,221,0	7.12e-03	6.75e-03	6.75e-03	208,44,44			1.00	0.04	0.96
4346	0.03	0.02	0.0	43,46,0	7.41e-03	0.01	0.01	208,46,46	0.07	208	0.53	0.09	0.91
	9.40e-03	0.03	0.0	45,59,0	7.41e-03	0.01	0.01	208,43,43			1.00	0.04	0.96
4347	7.12e-03	6.71e-03	0.0	45,44,0	7.41e-03	3.49e-03	7.79e-03	208,220,42	0.07	208	0.53	0.09	0.91
	6.83e-03	5.65e-03	0.0	45,44,0	7.41e-03	0.01	0.01	208,43,43			1.00	0.04	0.96
4348	0.06	0.03	0.0	44,45,0	6.38e-03	0.01	0.01	208,46,46	0.06	208	0.53	0.09	0.91
	9.40e-03	8.32e-03	0.0	45,44,0	6.38e-03	2.99e-03	2.99e-03	208,43,43			1.00	0.04	0.96

4349	0.03	0.02	0.0	44,46,0	6.76e-03	5.17e-03	0.01208,43,226	0.06	208	0.53	0.09	0.91
	9.40e-03	8.32e-03	0.0	45,44,0	6.76e-03	6.77e-03	6.77e-03 208,47,47			1.00	0.04	0.96
4350	8.61e-03	7.82e-03	0.0	45,44,0	6.76e-03	2.14e-03	7.79e-03 208,46,42	0.06	208	0.53	0.09	0.91
	6.83e-03	5.65e-03	0.0	45,44,0	6.76e-03	6.77e-03	6.77e-03 208,47,47			1.00	0.04	0.96
4357	0.04	0.02	0.0	208,211,0	4.06e-03	0.02	0.02 208,47,47	0.05	208	0.53	0.09	0.91
	0.09	0.05	0.0	205,206,0	4.06e-03	0.05	0.05 205,45,45			1.00	0.04	0.96
4363	0.04	0.02	0.0	208,211,0	4.06e-03	0.02	0.02 208,47,47	0.05	208	0.53	0.09	0.91
	0.15	0.10	0.0	44,45,0	4.06e-03	0.05	0.05 205,45,45			1.00	0.04	0.96
4365	7.78e-03	1.07e-03	0.0	44,45,0	1.92e-03	3.58e-03	3.58e-03 208,221,221	0.03	208	0.53	0.09	0.91
	0.15	0.10	0.0	44,45,0	1.92e-03	0.07	0.07 208,45,45			1.00	0.04	0.96
4367	6.55e-03	8.10e-03	0.0	206,205,0	1.54e-03	3.58e-03	6.96e-03 205,221,44	0.03	205	0.53	0.09	0.91
	0.11	0.07	0.0	44,45,0	1.56e-03	0.07	0.07 208,45,45			1.00	0.04	0.96
5401	0.06	0.02	0.0	44,45,0	4.06e-03	0.02	0.02 208,47,47	0.05	208	0.53	0.09	0.91
	0.15	0.10	0.0	44,45,0	4.06e-03	0.05	0.05 205,45,45			1.00	0.04	0.96
5402	0.06	0.03	0.0	44,45,0	4.47e-03	0.01	0.02 208,44,226	0.05	208	0.53	0.09	0.91
	0.02	0.01	0.0	219,216,0	4.47e-03	2.71e-03	2.71e-03 208,45,45			1.00	0.04	0.96
5403	0.06	0.03	0.0	44,45,0	5.59e-03	5.17e-03	0.01 208,46,226	0.06	208	0.53	0.09	0.91
	6.27e-03	4.45e-03	0.0	46,45,0	5.59e-03	1.22e-03	1.22e-03 208,46,46			1.00	0.04	0.96
5404	0.01	8.10e-03	0.0	225,205,0	3.30e-03	0.01	0.01 208,44,44	0.04	208	0.53	0.09	0.91
	0.15	0.10	0.0	44,45,0	3.30e-03	0.07	0.07 208,45,45			1.00	0.04	0.96
5405	0.03	0.02	0.0	44,45,0	4.50e-03	0.01	0.01 208,44,44	0.05	208	0.53	0.09	0.91
	0.02	9.62e-03	0.0	44,45,0	4.50e-03	7.45e-03	7.45e-03 208,45,45			1.00	0.04	0.96
5406	0.03	0.02	0.0	44,46,0	5.79e-03	5.17e-03	0.01 208,46,226	0.06	208	0.53	0.09	0.91
	6.27e-03	4.45e-03	0.0	46,45,0	5.79e-03	5.15e-03	5.15e-03 208,46,46			1.00	0.04	0.96
5407	6.55e-03	8.10e-03	0.0	206,205,0	3.30e-03	5.26e-03	8.41e-03 208,42,44	0.04	208	0.53	0.09	0.91
	0.03	0.02	0.0	48,45,0	3.30e-03	0.04	0.04 208,47,47			1.00	0.04	0.96
5408	8.09e-03	7.88e-03	0.0	45,44,0	4.50e-03	5.26e-03	9.41e-03 208,42,44	0.05	208	0.53	0.09	0.91
	9.99e-03	7.72e-03	0.0	46,41,0	4.50e-03	7.45e-03	7.45e-03 208,45,45			1.00	0.04	0.96
5409	8.61e-03	7.88e-03	0.0	45,44,0	5.79e-03	2.82e-03	9.41e-03 208,46,44	0.06	208	0.53	0.09	0.91
	4.49e-03	3.70e-03	0.0	46,43,0	5.79e-03	5.15e-03	5.15e-03 208,46,46			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.10	0.0	7.41e-03	0.07	0.07	0.07

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
62	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.0	kN	0	0.0	kN	0	0.0	kN	kN m	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1755	0.01	0.01	0.0	220,223,0	0.03	8.99e-03	0.01	210,22,18	0.13	210	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.03	0.02	0.02	210,22,22			1.00	0.04	0.96
1762	0.01	0.01	0.0	220,223,0	0.04	8.99e-03	0.01	209,22,18	0.15	209	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.04	0.02	0.02	209,22,22			1.00	0.04	0.96
1763	4.78e-03	5.72e-03	0.0	210,209,0	0.04	6.39e-04	1.68e-03	209,18,18	0.15	209	0.46	0.11	0.89
	0.04	0.03	0.0	22,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1764	3.49e-03	2.76e-03	0.0	225,210,0	0.04	9.56e-04	1.68e-03	209,18,18	0.15	209	0.46	0.11	0.89
	0.03	0.02	0.0	22,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1798	0.06	0.05	0.0	210,209,0	0.04	9.23e-03	0.01	209,19,18	0.15	209	0.46	0.11	0.89
	0.03	0.02	0.0	207,204,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1805	0.06	0.05	0.0	210,209,0	0.04	9.23e-03	0.01	209,19,18	0.15	209	0.46	0.11	0.89
	0.04	0.03	0.0	19,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1806	4.02e-03	6.30e-03	0.0	204,207,0	0.04	7.17e-04	2.04e-03	209,19,18	0.15	209	0.46	0.11	0.89
	0.04	0.03	0.0	19,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1807	9.88e-03	6.32e-03	0.0	229,230,0	0.04	1.14e-03	2.04e-03	209,18,18	0.15	209	0.46	0.11	0.89
	0.03	0.02	0.0	19,18,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1820	0.06	0.05	0.0	210,209,0	0.04	9.23e-03	0.01	209,19,18	0.16	209	0.46	0.11	0.89
	0.04	0.03	0.0	19,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1821	0.06	0.05	0.0	210,209,0	0.04	9.23e-03	0.01	209,19,18	0.15	209	0.46	0.11	0.89
	0.03	0.02	0.0	207,204,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1822	9.88e-03	6.32e-03	0.0	229,230,0	0.04	1.18e-03	2.22e-03	209,19,18	0.16	209	0.46	0.11	0.89
	0.04	0.03	0.0	19,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1823	9.88e-03	6.32e-03	0.0	229,230,0	0.04	1.14e-03	1.47e-03	209,18,218	0.16	209	0.46	0.11	0.89
	0.01	7.72e-03	0.0	19,19,0	0.04	0.01	0.01	209,19,19			1.00	0.04	0.96
1824	0.04	0.03	0.0	210,209,0	0.04	2.50e-03	0.01	209,18,18	0.16	209	0.46	0.11	0.89
	0.01	9.90e-03	0.0	207,204,0	0.04	2.32e-03	2.32e-03	209,19,19			1.00	0.04	0.96
1825	0.04	0.03	0.0	210,209,0	0.03	2.50e-03	0.01	209,18,18	0.13	209	0.46	0.11	0.89

	0.01	9.90e-03	0.0	207,204,0	0.03	2.32e-03	2.32e-03	209,19,19		1.00	0.04	0.96	
1826	1.69e-03	3.86e-03	0.0	230,229,0	0.04	1.18e-03	2.22e-03	209,19,18	0.16	209	0.46	0.11	0.89
	8.92e-03	6.46e-03	0.0	207,18,0	0.04	5.40e-03	5.40e-03	209,19,19			1.00	0.04	0.96
1827	1.17e-03	1.68e-03	0.0	209,18,0	0.04	3.68e-04	1.09e-03	209,214,18	0.16	209	0.46	0.11	0.89
	6.41e-03	4.55e-03	0.0	15,19,0	0.04	5.40e-03	5.40e-03	209,19,19			1.00	0.04	0.96
1828	0.02	0.02	0.0	210,209,0	0.04	8.99e-03	0.01	209,22,18	0.16	209	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.04	0.02	0.02	209,22,22			1.00	0.04	0.96
1829	0.02	0.02	0.0	210,209,0	0.03	8.99e-03	0.01	210,22,18	0.13	210	0.46	0.11	0.89
	0.05	0.04	0.0	204,207,0	0.03	0.02	0.02	210,22,22			1.00	0.04	0.96
1830	4.78e-03	5.72e-03	0.0	210,209,0	0.04	1.14e-03	2.18e-03	209,18,18	0.16	209	0.46	0.11	0.89
	0.04	0.03	0.0	22,15,0	0.04	0.02	0.02	209,19,19			1.00	0.04	0.96
1831	3.49e-03	2.31e-03	0.0	225,226,0	0.04	9.56e-04	1.39e-03	209,18,20	0.16	209	0.46	0.11	0.89
	0.01	7.32e-03	0.0	18,18,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.06	0.05	0.0		0.04	0.02	0.02		0.16				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
63	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.84	32.7	172	0.35	13.6	172	0.40	8719.7	-3.689e+05	229

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
105	0.02	0.08	0.0	227,224,0	0.07	6.26e-03	0.01	204,217,230	0.20	204	0.87	0.06	0.94
	8.59e-03	0.01	0.0	207,204,0	0.07	3.09e-03	3.09e-03	204,206,206			1.00	0.04	0.96
106	0.05	0.10	0.0	229,230,0	0.09	0.02	0.04	204,232,230	0.23	204	0.87	0.06	0.94
	0.02	0.02	0.0	219,216,0	0.09	9.92e-03	9.92e-03	204,211,211			1.00	0.04	0.96
109	0.22	0.26	0.0	229,230,0	0.09	0.08	0.15	204,232,230	0.23	204	0.87	0.06	0.94
	0.05	0.04	0.0	215,212,0	0.09	0.03	0.03	204,204,204			1.00	0.04	0.96
112	0.22	0.26	0.0	229,230,0	0.06	0.08	0.15	209,232,230	0.18	209	0.87	0.06	0.94
	0.05	0.04	0.0	215,212,0	0.06	0.03	0.03	209,204,204			1.00	0.04	0.96
1832	0.22	0.26	0.0	229,230,0	0.07	0.08	0.15	204,232,230	0.21	204	0.87	0.06	0.94
	0.05	0.04	0.0	215,212,0	0.07	0.03	0.03	204,204,204			1.00	0.04	0.96
1833	0.22	0.26	0.0	229,230,0	0.10	0.08	0.15	204,232,230	0.24	204	0.87	0.06	0.94
	0.05	0.04	0.0	215,212,0	0.10	0.03	0.03	204,204,204			1.00	0.04	0.96
1834	0.12	0.18	0.0	229,230,0	0.07	0.01	0.03	204,232,230	0.21	204	0.87	0.06	0.94
	0.03	0.02	0.0	232,235,0	0.07	8.56e-03	8.56e-03	204,235,235			1.00	0.04	0.96
1835	0.12	0.18	0.0	229,230,0	0.10	0.01	0.03	204,232,230	0.24	204	0.87	0.06	0.94
	0.03	0.02	0.0	232,235,0	0.10	8.56e-03	8.56e-03	204,235,235			1.00	0.04	0.96
1836	0.09	0.15	0.0	229,230,0	0.07	1.73e-03	0.02	204,235,232	0.20	204	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.07	9.52e-03	9.52e-03	204,228,228			1.00	0.04	0.96
1837	0.09	0.15	0.0	229,230,0	0.10	1.73e-03	0.02	204,235,232	0.24	204	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.10	9.52e-03	9.52e-03	204,228,228			1.00	0.04	0.96
1838	0.07	0.13	0.0	229,230,0	0.06	4.27e-04	0.01	204,209,230	0.19	204	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.06	0.02	0.02	204,232,232			1.00	0.04	0.96
1839	0.07	0.13	0.0	229,230,0	0.09	5.21e-03	0.02	204,232,232	0.23	204	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.09	0.02	0.02	204,232,232			1.00	0.04	0.96
1840	0.05	0.10	0.0	229,230,0	0.10	0.02	0.04	204,232,230	0.24	204	0.87	0.06	0.94
	0.02	0.02	0.0	219,216,0	0.10	9.92e-03	9.92e-03	204,211,211			1.00	0.04	0.96
1841	0.04	0.09	0.0	229,230,0	0.10	3.40e-03	0.01	204,229,230	0.24	204	0.87	0.06	0.94
	0.02	0.01	0.0	235,232,0	0.10	8.06e-03	8.06e-03	204,232,232			1.00	0.04	0.96
1842	0.08	0.11	0.0	209,210,0	0.10	3.80e-03	0.02	204,229,230	0.24	204	0.87	0.06	0.94
	0.05	0.03	0.0	209,210,0	0.10	7.80e-03	7.80e-03	204,208,208			1.00	0.04	0.96
1843	0.08	0.11	0.0	209,210,0	0.09	5.21e-03	0.02	204,232,230	0.23	204	0.87	0.06	0.94
	0.05	0.03	0.0	209,210,0	0.09	7.80e-03	7.80e-03	204,208,208			1.00	0.04	0.96
1844	0.02	0.08	0.0	229,224,0	0.07	6.26e-03	0.01	204,217,230	0.20	204	0.87	0.06	0.94
	8.59e-03	0.01	0.0	207,204,0	0.07	3.09e-03	3.09e-03	204,206,206			1.00	0.04	0.96
1845	0.04	0.08	0.0	229,230,0	0.06	3.40e-03	0.01	204,229,230	0.19	204	0.87	0.06	0.94
	0.01	8.45e-03	0.0	206,205,0	0.06	2.68e-03	2.68e-03	204,232,232			1.00	0.04	0.96
1846	0.08	0.11	0.0	209,210,0	0.07	3.80e-03	0.02	204,229,230	0.20	204	0.87	0.06	0.94
	0.05	0.03	0.0	209,210,0	0.07	3.18e-03	3.18e-03	204,228,228			1.00	0.04	0.96
1847	0.08	0.11	0.0	209,210,0	0.07	4.44e-03	0.02	204,229,230	0.20	204	0.87	0.06	0.94
	0.05	0.03	0.0	209,210,0	0.07	3.18e-03	3.18e-03	204,228,228			1.00	0.04	0.96
1848	0.07	0.12	0.0	235,232,0	0.03	0.03	0.06	204,232,232	0.13	204	0.87	0.06	0.94
	0.04	0.06	0.0	227,224,0	0.03	0.03	0.03	204,211,211			1.00	0.04	0.96
1849	0.07	0.12	0.0	235,232,0	0.04	0.03	0.06	204,232,232	0.15	204	0.87	0.06	0.94
	0.06	0.06	0.0	207,204,0	0.04	0.03	0.03	204,211,211			1.00	0.04	0.96

1850	0.07	0.12	0.0 235,232,0	0.03	0.03	0.06204,232,232	0.13	204	0.87	0.06	0.94
	0.06	0.06	0.0 207,220,0	0.03	0.03	0.03204,211,211			1.00	0.04	0.96
1851	0.07	0.12	0.0 235,232,0	0.04	0.03	0.06204,232,232	0.15	204	0.87	0.06	0.94
	0.06	0.06	0.0 215,220,0	0.04	0.03	0.03204,211,211			1.00	0.04	0.96
1852	0.06	0.11	0.0 235,232,0	4.06e-03	0.03	0.05224,232,232	0.05	220	0.87	0.06	0.94
	0.06	0.06	0.0 207,220,0	3.89e-03	0.02	0.02220,232,232			1.00	0.04	0.96
1853	0.06	0.11	0.0 235,232,0	0.02	0.03	0.05204,232,232	0.11	204	0.87	0.06	0.94
	0.06	0.06	0.0 215,220,0	0.02	0.02	0.02204,232,232			1.00	0.04	0.96
1854	0.05	0.09	0.0 229,230,0	0.04	5.70e-03	0.02204,229,232	0.15	204	0.87	0.06	0.94
	0.06	0.06	0.0 207,204,0	0.04	6.81e-03	6.81e-03204,232,232			1.00	0.04	0.96
1855	0.05	0.09	0.0 229,230,0	0.04	7.83e-03	0.02204,235,232	0.15	204	0.87	0.06	0.94
	0.06	0.06	0.0 215,212,0	0.04	0.01	0.01204,232,232			1.00	0.04	0.96
1856	0.04	0.08	0.0 235,232,0	0.02	7.83e-03	0.02204,235,232	0.11	204	0.87	0.06	0.94
	0.06	0.06	0.0 215,212,0	0.02	0.01	0.01204,232,232			1.00	0.04	0.96
1857	0.05	0.07	0.0 229,210,0	0.04	5.70e-03	0.01204,229,230	0.14	204	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.04	6.81e-03	6.81e-03204,232,232			1.00	0.04	0.96
1858	0.03	0.06	0.0 229,230,0	0.04	5.70e-03	0.01204,229,230	0.14	204	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.04	8.29e-03	8.29e-03204,232,232			1.00	0.04	0.96
1859	0.02	0.04	0.0 229,230,0	0.02	3.44e-03	7.24e-03204,233,230	0.10	204	0.87	0.06	0.94
	0.04	0.04	0.0 215,212,0	0.02	8.29e-03	8.29e-03204,232,232			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.22	0.26	0.0	0.10	0.08	0.15	0.24				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
64	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.97	179.3	177	0.54	-100.2	178	0.70	-9349.4	-4.524e+06	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
55	0.09	0.16	0.0 235,220,0		0.13	0.06	0.10207,232,228		0.28	207	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0		0.13	0.03	0.03207,204,204				1.00	0.04	0.96
56	0.09	0.14	0.0 235,232,0		0.14	0.06	0.09210,232,232		0.29	210	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0		0.14	0.02	0.02210,207,207				1.00	0.04	0.96
59	3.90e-03	0.06	0.0 229,52,0		0.14	0.01	0.02210,235,232		0.29	210	0.87	0.06	0.94
	6.76e-03	0.01	0.0 207,204,0		0.14	3.66e-03	3.66e-03210,212,212				1.00	0.04	0.96
62	0.0	0.05	0.0 0,52,0		0.14	6.88e-03	0.01210,232,232		0.29	210	0.0	0.0	0.0
	3.40e-03	7.93e-03	0.0 235,224,0		0.14	1.40e-03	1.40e-03210,232,232				1.00	0.04	0.96
65	0.0	0.03	0.0 0,52,0		0.13	5.30e-03	8.08e-03210,228,232		0.28	210	0.0	0.0	0.0
	3.40e-03	7.08e-03	0.0 235,232,0		0.13	1.40e-03	1.40e-03210,232,232				1.00	0.04	0.96
68	0.0	0.02	0.0 0,52,0		0.13	5.56e-03	8.23e-03209,228,228		0.28	209	0.0	0.0	0.0
	3.70e-03	5.96e-03	0.0 229,230,0		0.13	1.09e-03	1.09e-03209,232,232				1.00	0.04	0.96
71	9.83e-03	0.03	0.0 209,210,0		0.13	6.06e-03	8.77e-03209,228,232		0.28	209	0.87	0.06	0.94
	3.70e-03	5.74e-03	0.0 229,230,0		0.13	8.84e-04	8.84e-04209,232,232				1.00	0.04	0.96
74	0.01	0.03	0.0 209,210,0		0.13	6.06e-03	9.27e-03204,228,230		0.27	204	0.87	0.06	0.94
	6.44e-03	6.91e-03	0.0 209,210,0		0.13	8.49e-04	8.49e-04204,219,219				1.00	0.04	0.96
77	0.06	0.07	0.0 209,210,0		0.11	6.79e-03	0.01204,229,230		0.26	204	0.87	0.06	0.94
	7.90e-03	7.43e-03	0.0 209,210,0		0.11	5.35e-04	5.35e-04204,219,219				1.00	0.04	0.96
80	0.06	0.07	0.0 209,210,0		0.07	6.79e-03	0.01204,229,230		0.20	204	0.87	0.06	0.94
	7.90e-03	7.43e-03	0.0 209,210,0		0.07	5.35e-04	5.35e-04204,219,219				1.00	0.04	0.96
911	0.04	0.14	0.0 207,204,0		0.07	0.01	0.03204,227,224		0.21	204	0.87	0.06	0.94
	0.01	0.02	0.0 207,204,0		0.07	9.01e-03	9.01e-03204,210,210				1.00	0.04	0.96
912	0.09	0.16	0.0 223,220,0		0.11	0.06	0.10209,232,228		0.25	209	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0		0.11	0.03	0.03209,204,204				1.00	0.04	0.96
1860	0.06	0.07	0.0 209,210,0		0.07	6.79e-03	0.01204,229,230		0.20	204	0.87	0.06	0.94
	7.90e-03	7.43e-03	0.0 209,210,0		0.07	5.35e-04	5.35e-04204,219,219				1.00	0.04	0.96
1861	0.06	0.07	0.0 209,210,0		0.12	6.79e-03	0.01204,229,230		0.26	204	0.87	0.06	0.94
	7.90e-03	7.43e-03	0.0 209,210,0		0.12	5.35e-04	5.35e-04204,219,219				1.00	0.04	0.96
1862	0.04	0.05	0.0 209,210,0		0.06	5.14e-03	0.01204,229,230		0.20	204	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0		0.06	4.59e-04	4.59e-04204,230,230				1.00	0.04	0.96
1863	0.04	0.05	0.0 209,210,0		0.12	5.14e-03	0.01204,229,230		0.26	204	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0		0.12	4.59e-04	4.59e-04204,230,230				1.00	0.04	0.96
1864	0.03	0.05	0.0 231,228,0		0.09	3.46e-03	0.01204,229,230		0.24	204	0.87	0.06	0.94
	0.08	0.06	0.0 207,204,0		0.09	2.40e-03	2.40e-03204,229,229				1.00	0.04	0.96
1865	0.03	0.05	0.0 231,228,0		0.12	3.46e-03	0.01204,229,230		0.27	204	0.87	0.06	0.94
	0.08	0.06	0.0 207,204,0		0.12	2.40e-03	2.40e-03204,229,229				1.00	0.04	0.96
1866	0.03	0.05	0.0 231,228,0		0.09	5.42e-03	0.01204,229,230		0.24	204	0.87	0.06	0.94

	0.10	0.08	0.0 207,204,0	0.09	2.40e-03	2.40e-03204,229,229			1.00	0.04	0.96
1867	0.03	0.05	0.0 231,228,0	0.12	5.42e-03	0.01204,229,230	0.27	204	0.87	0.06	0.94
	0.10	0.08	0.0 207,204,0	0.12	2.40e-03	2.40e-03204,229,229			1.00	0.04	0.96
1868	0.02	0.03	0.0 229,210,0	0.13	6.06e-03	0.01204,228,230	0.27	204	0.87	0.06	0.94
	6.44e-03	6.91e-03	0.0 209,210,0	0.13	8.49e-04	8.49e-04204,219,219			1.00	0.04	0.96
1869	0.02	0.03	0.0 229,230,0	0.13	4.21e-03	0.01204,228,230	0.27	204	0.87	0.06	0.94
	4.89e-03	5.56e-03	0.0 204,207,0	0.13	6.79e-04	6.79e-04204,231,231			1.00	0.04	0.96
1870	0.03	0.04	0.0 229,230,0	0.13	2.31e-03	9.74e-03204,229,230	0.27	204	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.13	1.05e-03	1.05e-03204,231,231			1.00	0.04	0.96
1871	0.03	0.04	0.0 229,230,0	0.12	1.99e-03	9.07e-03204,228,230	0.27	204	0.87	0.06	0.94
	0.08	0.07	0.0 207,204,0	0.12	1.05e-03	1.05e-03204,231,231			1.00	0.04	0.96
1872	0.01	0.03	0.0 229,210,0	0.13	6.06e-03	9.17e-03209,228,232	0.28	209	0.87	0.06	0.94
	3.70e-03	5.74e-03	0.0 229,230,0	0.13	8.84e-04	8.84e-04209,232,232			1.00	0.04	0.96
1873	0.01	0.03	0.0 229,230,0	0.13	4.21e-03	9.17e-03204,228,232	0.28	204	0.87	0.06	0.94
	1.64e-03	3.74e-03	0.0 235,232,0	0.13	1.15e-03	1.15e-03204,228,228			1.00	0.04	0.96
1874	0.01	0.03	0.0 229,230,0	0.13	2.08e-03	8.37e-03204,231,232	0.28	204	0.87	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.13	1.15e-03	1.15e-03204,228,228			1.00	0.04	0.96
1875	0.01	0.02	0.0 229,230,0	0.12	1.99e-03	8.11e-03204,228,232	0.27	204	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.12	1.05e-03	1.05e-03204,231,231			1.00	0.04	0.96
1876	5.17e-03	0.02	0.0 229,52,0	0.13	5.56e-03	8.55e-03209,228,228	0.28	209	0.87	0.06	0.94
	3.70e-03	6.09e-03	0.0 229,232,0	0.13	1.21e-03	1.21e-03209,224,224			1.00	0.04	0.96
1877	8.50e-03	0.02	0.0 229,232,0	0.13	3.82e-03	8.55e-03204,228,228	0.28	204	0.87	0.06	0.94
	5.10e-03	6.65e-03	0.0 235,232,0	0.13	1.47e-03	1.47e-03204,224,224			1.00	0.04	0.96
1878	9.97e-03	0.02	0.0 229,232,0	0.13	1.87e-03	7.80e-03204,231,232	0.28	204	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.13	1.47e-03	1.47e-03204,224,224			1.00	0.04	0.96
1879	9.97e-03	0.02	0.0 229,232,0	0.12	1.95e-03	7.66e-03204,228,228	0.27	204	0.87	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.12	1.04e-03	1.04e-03204,224,224			1.00	0.04	0.96
1880	1.28e-03	0.03	0.0 229,52,0	0.13	5.30e-03	8.17e-03210,228,232	0.28	210	0.87	0.06	0.94
	5.07e-03	8.56e-03	0.0 227,224,0	0.13	1.40e-03	1.40e-03210,232,232			1.00	0.04	0.96
1881	5.24e-03	0.03	0.0 235,52,0	0.13	3.50e-03	8.17e-03210,228,232	0.28	210	0.87	0.06	0.94
	8.77e-03	9.88e-03	0.0 227,224,0	0.13	1.56e-03	1.56e-03210,224,224			1.00	0.04	0.96
1882	6.98e-03	0.03	0.0 235,52,0	0.13	1.85e-03	7.56e-03210,232,232	0.28	210	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.13	1.56e-03	1.56e-03210,224,224			1.00	0.04	0.96
1883	6.98e-03	0.03	0.0 235,232,0	0.12	1.91e-03	7.39e-03210,228,228	0.27	210	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.12	1.56e-03	1.56e-03210,212,212			1.00	0.04	0.96
1884	0.0	0.05	0.0 0,52,0	0.14	6.88e-03	0.01210,232,232	0.29	210	0.0	0.0	0.0
	6.59e-03	0.01	0.0 227,224,0	0.14	1.40e-03	1.40e-03210,232,232			1.00	0.04	0.96
1885	2.52e-03	0.04	0.0 235,52,0	0.15	2.97e-03	7.73e-03210,228,232	0.29	210	0.87	0.06	0.94
	0.01	0.01	0.0 227,224,0	0.15	1.83e-03	1.83e-03210,233,233			1.00	0.04	0.96
1886	4.53e-03	0.04	0.0 235,52,0	0.15	1.85e-03	7.75e-03210,232,232	0.29	210	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.15	1.91e-03	1.91e-03210,212,212			1.00	0.04	0.96
1887	4.53e-03	0.04	0.0 235,52,0	0.13	1.80e-03	7.75e-03210,232,232	0.28	210	0.87	0.06	0.94
	0.02	0.02	0.0 204,232,0	0.13	2.03e-03	2.03e-03210,212,212			1.00	0.04	0.96
1888	3.90e-03	0.06	0.0 229,52,0	0.15	0.01	0.02210,235,232	0.30	210	0.87	0.06	0.94
	7.19e-03	0.01	0.0 215,204,0	0.15	4.58e-03	4.58e-03210,230,230			1.00	0.04	0.96
1889	1.81e-03	0.06	0.0 229,52,0	0.15	2.42e-03	7.74e-03210,232,232	0.30	210	0.87	0.06	0.94
	0.01	0.01	0.0 215,224,0	0.15	5.71e-03	5.71e-03210,230,230			1.00	0.04	0.96
1890	5.80e-03	0.06	0.0 229,52,0	0.15	1.78e-03	9.21e-03210,228,232	0.30	210	0.87	0.06	0.94
	0.04	0.02	0.0 209,210,0	0.15	5.78e-03	5.78e-03210,233,233			1.00	0.04	0.96
1891	0.01	0.06	0.0 229,230,0	0.15	4.36e-03	0.01210,230,230	0.30	210	0.87	0.06	0.94
	0.04	0.02	0.0 209,210,0	0.15	5.78e-03	5.78e-03210,233,233			1.00	0.04	0.96
1892	0.09	0.14	0.0 235,232,0	0.15	0.06	0.09210,232,232	0.30	210	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.15	0.02	0.02210,207,207			1.00	0.04	0.96
1893	0.04	0.09	0.0 235,232,0	0.15	0.01	0.02210,232,232	0.30	210	0.87	0.06	0.94
	0.03	0.02	0.0 234,233,0	0.15	7.31e-03	7.31e-03210,228,228			1.00	0.04	0.96
1894	0.02	0.08	0.0 235,232,0	0.15	1.78e-03	9.89e-03210,228,232	0.30	210	0.87	0.06	0.94
	0.07	0.04	0.0 209,210,0	0.15	0.01	0.01210,230,230			1.00	0.04	0.96
1895	0.01	0.07	0.0 235,232,0	0.15	4.36e-03	0.01210,230,230	0.30	210	0.87	0.06	0.94
	0.07	0.04	0.0 209,210,0	0.15	0.02	0.02210,232,232			1.00	0.04	0.96
1896	0.09	0.16	0.0 235,220,0	0.13	0.06	0.10207,232,228	0.28	207	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.13	0.03	0.03207,204,204			1.00	0.04	0.96
1897	0.04	0.12	0.0 223,220,0	0.13	0.01	0.03210,232,220	0.28	210	0.87	0.06	0.94
	0.03	0.02	0.0 234,233,0	0.13	7.57e-03	7.57e-03210,230,230			1.00	0.04	0.96
1898	0.02	0.10	0.0 223,220,0	0.12	1.84e-03	0.01210,232,220	0.27	210	0.87	0.06	0.94
	0.07	0.04	0.0 209,210,0	0.12	0.01	0.01210,230,230			1.00	0.04	0.96
1899	0.02	0.10	0.0 223,220,0	0.11	2.43e-03	0.01210,208,220	0.26	210	0.87	0.06	0.94
	0.09	0.05	0.0 209,210,0	0.11	0.02	0.02210,230,230			1.00	0.04	0.96
1900	0.02	0.03	0.0 231,228,0	0.03	5.55e-03	0.01204,229,230	0.14	204	0.87	0.06	0.94
	0.10	0.08	0.0 207,204,0	0.03	1.61e-03	1.61e-03204,229,229			1.00	0.04	0.96
1901	0.02	0.03	0.0 231,228,0	0.05	5.55e-03	0.01204,229,230	0.17	204	0.87	0.06	0.94
	0.10	0.08	0.0 207,204,0	0.05	1.61e-03	1.61e-03204,229,229			1.00	0.04	0.96
1902	0.01	0.02	0.0 231,228,0	0.03	6.51e-03	0.01204,233,234	0.14	204	0.87	0.06	0.94
	0.02	0.02	0.0 235,232,0	0.03	9.57e-04	9.57e-04204,229,229			1.00	0.04	0.96
1903	0.02	0.02	0.0 229,230,0	0.04	6.51e-03	0.01209,233,234	0.15	209	0.87	0.06	0.94
	0.02	0.02	0.0 235,232,0	0.04	9.57e-04	9.57e-04209,229,229			1.00	0.04	0.96

1904	3.97e-03	0.01	0.0 229,230,0	0.02	6.51e-03	8.60e-03209,233,234	0.12	209	0.87	0.06	0.94
	0.01	0.01	0.0 235,232,0	0.02	8.18e-04	8.18e-04209,233,233			1.00	0.04	0.96
1905	7.34e-03	0.02	0.0 229,230,0	0.03	6.51e-03	8.92e-03209,233,230	0.13	209	0.87	0.06	0.94
	0.01	0.01	0.0 235,232,0	0.03	8.18e-04	8.18e-04209,233,233			1.00	0.04	0.96
1906	0.02	0.03	0.0 229,230,0	0.07	4.36e-03	9.69e-03209,229,230	0.20	209	0.87	0.06	0.94
	0.08	0.07	0.0 207,204,0	0.07	8.28e-04	8.28e-04209,229,229			1.00	0.04	0.96
1907	0.02	0.02	0.0 229,230,0	0.05	6.67e-03	9.69e-03209,231,230	0.17	209	0.87	0.06	0.94
	0.02	0.02	0.0 235,232,0	0.05	8.28e-04	8.28e-04209,229,229			1.00	0.04	0.96
1908	7.34e-03	0.02	0.0 229,230,0	0.04	6.67e-03	8.92e-03209,231,230	0.15	209	0.87	0.06	0.94
	0.01	0.01	0.0 229,230,0	0.04	3.40e-04	3.40e-04209,213,213			1.00	0.04	0.96
1909	0.01	0.02	0.0 229,230,0	0.07	4.22e-03	8.89e-03209,228,228	0.21	209	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.07	7.65e-04	7.65e-04209,231,231			1.00	0.04	0.96
1910	0.01	0.02	0.0 229,230,0	0.06	6.67e-03	8.89e-03210,231,228	0.18	210	0.87	0.06	0.94
	0.02	0.02	0.0 229,230,0	0.06	4.49e-04	4.49e-04210,225,225			1.00	0.04	0.96
1911	5.16e-03	0.01	0.0 209,210,0	0.04	6.67e-03	8.88e-03210,231,228	0.16	210	0.87	0.06	0.94
	0.01	0.01	0.0 229,230,0	0.04	4.49e-04	4.49e-04210,225,225			1.00	0.04	0.96
1912	9.11e-03	0.02	0.0 229,232,0	0.08	3.87e-03	8.23e-03210,228,228	0.22	210	0.87	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.08	6.48e-04	6.48e-04210,231,231			1.00	0.04	0.96
1913	6.15e-03	0.02	0.0 229,232,0	0.06	5.99e-03	8.23e-03210,231,228	0.20	210	0.87	0.06	0.94
	0.02	0.02	0.0 229,230,0	0.06	5.68e-04	5.68e-04210,234,234			1.00	0.04	0.96
1914	1.32e-03	0.02	0.0 229,52,0	0.05	5.99e-03	8.13e-03210,231,228	0.16	210	0.87	0.06	0.94
	0.02	0.02	0.0 209,210,0	0.05	4.49e-04	4.49e-04210,225,225			1.00	0.04	0.96
1915	6.27e-03	0.02	0.0 235,232,0	0.09	3.53e-03	7.72e-03210,228,228	0.23	210	0.87	0.06	0.94
	0.03	0.03	0.0 229,230,0	0.09	1.92e-03	1.92e-03210,230,230			1.00	0.04	0.96
1916	3.27e-03	0.02	0.0 235,52,0	0.07	5.29e-03	7.72e-03210,228,228	0.21	210	0.87	0.06	0.94
	0.03	0.03	0.0 209,230,0	0.07	1.92e-03	1.92e-03210,230,230			1.00	0.04	0.96
1917	0.0	0.02	0.0 0,52,0	0.05	5.29e-03	7.46e-03210,228,228	0.17	210	0.0	0.0	0.0
	0.03	0.03	0.0 209,210,0	0.05	9.79e-04	9.79e-04210,232,232			1.00	0.04	0.96
1918	4.28e-03	0.03	0.0 235,52,0	0.10	3.62e-03	8.63e-03210,232,232	0.24	210	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.10	3.52e-03	3.52e-03210,230,230			1.00	0.04	0.96
1919	1.91e-03	0.03	0.0 235,52,0	0.09	4.63e-03	8.63e-03210,228,232	0.23	210	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.09	3.52e-03	3.52e-03210,230,230			1.00	0.04	0.96
1920	0.0	0.03	0.0 0,52,0	0.05	4.63e-03	7.46e-03210,228,228	0.18	210	0.0	0.0	0.0
	0.05	0.04	0.0 209,210,0	0.05	3.02e-03	3.02e-03210,230,230			1.00	0.04	0.96
1921	0.02	0.06	0.0 229,230,0	0.12	4.36e-03	0.01210,230,230	0.27	210	0.87	0.06	0.94
	0.07	0.06	0.0 209,210,0	0.12	4.84e-03	4.84e-03210,224,224			1.00	0.04	0.96
1922	0.02	0.06	0.0 229,230,0	0.12	7.73e-03	0.01210,232,232	0.27	210	0.87	0.06	0.94
	0.07	0.06	0.0 209,210,0	0.12	4.59e-03	4.59e-03210,229,229			1.00	0.04	0.96
1923	0.02	0.05	0.0 229,230,0	0.08	7.73e-03	0.01210,232,232	0.22	210	0.87	0.06	0.94
	0.06	0.05	0.0 209,210,0	0.08	4.59e-03	4.59e-03210,229,229			1.00	0.04	0.96
1924	0.02	0.08	0.0 229,230,0	0.12	0.03	0.04210,232,232	0.27	210	0.87	0.06	0.94
	0.08	0.08	0.0 209,230,0	0.12	0.03	0.03210,232,232			1.00	0.04	0.96
1925	0.02	0.08	0.0 229,230,0	0.12	0.03	0.05210,232,232	0.27	210	0.87	0.06	0.94
	0.09	0.09	0.0 209,230,0	0.12	0.04	0.04210,232,232			1.00	0.04	0.96
1926	0.02	0.07	0.0 229,230,0	0.08	0.03	0.05210,232,232	0.22	210	0.87	0.06	0.94
	0.09	0.09	0.0 209,230,0	0.08	0.04	0.04210,232,232			1.00	0.04	0.96
1927	0.02	0.10	0.0 227,224,0	0.06	0.03	0.05210,230,232	0.19	210	0.87	0.06	0.94
	0.09	0.08	0.0 209,230,0	0.06	0.03	0.03210,230,230			1.00	0.04	0.96
1928	0.03	0.10	0.0 227,224,0	0.06	0.04	0.05210,230,232	0.19	210	0.87	0.06	0.94
	0.09	0.09	0.0 209,230,0	0.06	0.05	0.05210,230,230			1.00	0.04	0.96
1929	0.03	0.09	0.0 227,220,0	0.01	0.04	0.05210,230,232	0.08	210	0.87	0.06	0.94
	0.09	0.09	0.0 209,230,0	0.01	0.05	0.05210,230,230			1.00	0.04	0.96
1938	0.09	0.16	0.0 223,220,0	0.11	0.06	0.10204,232,228	0.26	204	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.11	0.03	0.03204,204,204			1.00	0.04	0.96
1939	0.04	0.12	0.0 223,220,0	0.11	0.01	0.03204,232,220	0.26	204	0.87	0.06	0.94
	0.02	0.02	0.0 230,229,0	0.11	7.57e-03	7.57e-03204,230,230			1.00	0.04	0.96
1940	0.02	0.10	0.0 223,220,0	0.11	5.54e-03	0.02204,230,230	0.26	204	0.87	0.06	0.94
	0.08	0.05	0.0 204,207,0	0.11	0.01	0.01204,232,232			1.00	0.04	0.96
1941	0.02	0.10	0.0 223,220,0	0.11	5.54e-03	0.02204,230,230	0.25	204	0.87	0.06	0.94
	0.10	0.06	0.0 209,210,0	0.11	0.02	0.02204,230,230			1.00	0.04	0.96
1942	0.04	0.14	0.0 207,204,0	0.07	0.01	0.03204,227,224	0.21	204	0.87	0.06	0.94
	0.01	0.02	0.0 207,204,0	0.07	9.01e-03	9.01e-03204,210,210			1.00	0.04	0.96
1943	0.01	0.11	0.0 223,52,0	0.06	2.15e-03	0.01204,230,220	0.19	204	0.87	0.06	0.94
	0.02	0.01	0.0 210,209,0	0.06	4.38e-03	4.38e-03204,230,230			1.00	0.04	0.96
1944	0.02	0.10	0.0 229,52,0	0.09	5.54e-03	0.02204,230,230	0.24	204	0.87	0.06	0.94
	0.08	0.05	0.0 204,207,0	0.09	8.66e-03	8.66e-03204,232,232			1.00	0.04	0.96
1945	0.02	0.09	0.0 229,230,0	0.09	5.54e-03	0.02204,230,230	0.24	204	0.87	0.06	0.94
	0.10	0.06	0.0 209,210,0	0.09	8.66e-03	8.66e-03204,232,232			1.00	0.04	0.96
1946	0.02	0.10	0.0 227,224,0	0.08	0.03	0.05204,230,232	0.21	204	0.87	0.06	0.94
	0.10	0.08	0.0 210,228,0	0.08	0.03	0.03204,230,230			1.00	0.04	0.96
1947	0.03	0.10	0.0 227,224,0	0.08	0.04	0.05204,230,232	0.21	204	0.87	0.06	0.94
	0.10	0.08	0.0 210,204,0	0.08	0.05	0.05204,230,230			1.00	0.04	0.96
1948	0.03	0.09	0.0 227,220,0	0.05	0.04	0.05204,230,232	0.18	204	0.87	0.06	0.94
	0.09	0.08	0.0 210,204,0	0.05	0.05	0.05204,230,230			1.00	0.04	0.96
1949	0.01	0.08	0.0 229,52,0	0.08	3.82e-03	0.01204,224,232	0.21	204	0.87	0.06	0.94

	0.10	0.06	0.0 210,209,0	0.08	6.15e-03	6.15e-03204,230,230			1.00	0.04	0.96
1950	0.02	0.08	0.0 223,52,0	0.08	0.01	0.02204,230,234	0.21	204	0.87	0.06	0.94
	0.10	0.06	0.0 210,209,0	0.08	6.15e-03	6.15e-03204,230,230			1.00	0.04	0.96
1951	0.02	0.06	0.0 223,220,0	0.05	0.01	0.02204,230,234	0.18	204	0.87	0.06	0.94
	0.09	0.06	0.0 210,209,0	0.05	2.88e-03	2.88e-03204,227,227			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.16	0.0	0.15	0.06	0.10	0.30

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
65	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1847	0.02	0.02	0.0 229,230,0		0.14	3.44e-03	6.36e-03204,229,230		0.28	204	0.53	0.09	0.91
	0.09	0.07	0.0 209,210,0		0.14	6.22e-03	6.22e-03204,229,229				1.00	0.04	0.96
1857	0.02	0.02	0.0 229,230,0		0.15	3.44e-03	6.36e-03204,229,230		0.30	204	0.53	0.09	0.91
	0.09	0.07	0.0 209,210,0		0.15	6.22e-03	6.22e-03204,229,229				1.00	0.04	0.96
1858	0.02	0.02	0.0 207,204,0		0.15	6.18e-04	2.65e-03204,217,212		0.30	204	0.53	0.09	0.91
	0.06	0.07	0.0 209,230,0		0.15	6.41e-03	6.41e-03204,212,212				1.00	0.04	0.96
1859	0.01	0.02	0.0 227,224,0		0.11	1.03e-03	2.65e-03204,216,212		0.26	204	0.53	0.09	0.91
	0.02	0.07	0.0 229,230,0		0.11	6.41e-03	6.41e-03204,212,212				1.00	0.04	0.96
1866	0.05	0.05	0.0 207,204,0		0.15	3.16e-03	7.04e-03204,229,228		0.29	204	0.53	0.09	0.91
	0.06	0.05	0.0 207,204,0		0.15	9.15e-03	9.15e-03204,229,229				1.00	0.04	0.96
1900	0.05	0.05	0.0 207,204,0		0.15	3.16e-03	7.04e-03204,229,228		0.30	204	0.53	0.09	0.91
	0.06	0.05	0.0 207,204,0		0.15	9.15e-03	9.15e-03204,229,229				1.00	0.04	0.96
1902	9.26e-03	0.01	0.0 223,220,0		0.15	6.67e-04	1.99e-03204,233,212		0.30	204	0.53	0.09	0.91
	0.04	0.03	0.0 207,204,0		0.15	8.25e-03	8.25e-03204,228,228				1.00	0.04	0.96
1904	9.26e-03	0.01	0.0 223,220,0		0.12	1.02e-03	1.99e-03204,216,212		0.26	204	0.53	0.09	0.91
	0.01	0.02	0.0 231,228,0		0.12	8.25e-03	8.25e-03204,228,228				1.00	0.04	0.96
1930	0.02	0.02	0.0 229,204,0		0.16	3.44e-03	6.36e-03204,229,230		0.31	204	0.53	0.09	0.91
	0.09	0.07	0.0 209,210,0		0.16	6.22e-03	6.22e-03204,229,229				1.00	0.04	0.96
1931	0.02	0.02	0.0 229,204,0		0.14	3.44e-03	6.36e-03204,229,230		0.28	204	0.53	0.09	0.91
	0.09	0.07	0.0 209,210,0		0.14	6.22e-03	6.22e-03204,229,229				1.00	0.04	0.96
1932	0.02	0.02	0.0 207,204,0		0.16	1.03e-03	2.65e-03204,216,212		0.31	204	0.53	0.09	0.91
	0.06	0.07	0.0 209,230,0		0.16	6.41e-03	6.41e-03204,212,212				1.00	0.04	0.96
1933	6.49e-03	7.66e-03	0.0 227,224,0		0.12	1.03e-03	1.63e-03204,216,208		0.27	204	0.53	0.09	0.91
	6.40e-03	5.70e-03	0.0 229,230,0		0.12	5.16e-03	5.16e-03204,229,229				1.00	0.04	0.96
1934	0.05	0.05	0.0 207,204,0		0.16	3.16e-03	7.04e-03204,229,228		0.31	204	0.53	0.09	0.91
	0.06	0.05	0.0 207,204,0		0.16	9.15e-03	9.15e-03204,229,229				1.00	0.04	0.96
1935	0.05	0.05	0.0 207,204,0		0.15	3.16e-03	7.04e-03204,229,228		0.29	204	0.53	0.09	0.91
	0.06	0.05	0.0 207,204,0		0.15	9.15e-03	9.15e-03204,229,229				1.00	0.04	0.96
1936	9.26e-03	0.01	0.0 223,220,0		0.16	1.02e-03	2.00e-03204,216,212		0.31	204	0.53	0.09	0.91
	0.04	0.03	0.0 207,204,0		0.16	8.25e-03	8.25e-03204,228,228				1.00	0.04	0.96
1937	6.49e-03	7.66e-03	0.0 227,224,0		0.12	1.02e-03	1.63e-03204,216,208		0.27	204	0.53	0.09	0.91
	8.84e-03	6.76e-03	0.0 230,229,0		0.12	7.23e-03	7.23e-03204,229,229				1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.09	0.07	0.0	0.16	9.15e-03	9.15e-03	0.31

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
66	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	1.00	-184.5	178	0.54	-100.5	178	0.57	-9524.2	-3.743e+06	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
520	0.13	0.24	0.0 223,220,0		0.10	0.06	0.10207,220,220		0.24	207	0.87	0.06	0.94

	0.05	0.05	0.0 210,209,0	0.10	0.03	0.03207,209,209			1.00	0.04	0.96
808	0.13	0.24	0.0 223,220,0	0.06	0.05	0.09209,226,220	0.18	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.06	0.03	0.03209,209,209			1.00	0.04	0.96
869	0.10	0.16	0.0 223,220,0	0.14	0.06	0.10210,220,220	0.29	210	0.87	0.06	0.94
	0.05	0.05	0.0 210,209,0	0.14	0.02	0.02210,207,207			1.00	0.04	0.96
872	4.80e-03	0.07	0.0 223,52,0	0.14	0.01	0.02210,225,226	0.29	210	0.87	0.06	0.94
	0.01	0.02	0.0 207,204,0	0.14	4.11e-03	4.11e-03210,215,215			1.00	0.04	0.96
875	0.0	0.05	0.0 0,52,0	0.14	6.79e-03	0.01210,227,220	0.29	210	0.0	0.0	0.0
	3.08e-03	0.01	0.0 223,220,0	0.14	1.46e-03	1.46e-03210,217,217			1.00	0.04	0.96
878	0.0	0.04	0.0 0,52,0	0.13	4.38e-03	6.95e-03210,224,224	0.28	210	0.0	0.0	0.0
	2.14e-03	8.24e-03	0.0 223,220,0	0.13	9.31e-04	9.31e-04210,224,224			1.00	0.04	0.96
881	0.0	0.03	0.0 0,52,0	0.13	4.38e-03	6.95e-03209,224,224	0.28	209	0.0	0.0	0.0
	1.64e-03	6.30e-03	0.0 223,222,0	0.13	8.97e-04	8.97e-04209,232,232			1.00	0.04	0.96
884	0.0	0.02	0.0 0,52,0	0.13	4.44e-03	6.72e-03209,224,222	0.28	209	0.0	0.0	0.0
	2.04e-03	5.23e-03	0.0 229,220,0	0.13	8.17e-04	8.17e-04209,216,216			1.00	0.04	0.96
887	6.54e-03	0.02	0.0 209,210,0	0.13	4.52e-03	7.46e-03209,220,230	0.28	209	0.87	0.06	0.94
	2.25e-03	4.89e-03	0.0 229,230,0	0.13	5.42e-04	5.42e-04209,232,232			1.00	0.04	0.96
890	7.53e-03	0.03	0.0 209,210,0	0.13	4.64e-03	7.94e-03209,232,230	0.28	209	0.87	0.06	0.94
	4.89e-03	5.94e-03	0.0 209,210,0	0.13	4.42e-04	4.42e-04209,219,219			1.00	0.04	0.96
893	0.05	0.07	0.0 209,210,0	0.12	5.09e-03	0.01209,229,230	0.26	209	0.87	0.06	0.94
	4.89e-03	5.94e-03	0.0 209,210,0	0.12	7.33e-04	7.33e-04209,211,211			1.00	0.04	0.96
896	0.05	0.07	0.0 209,210,0	0.07	5.09e-03	0.01204,229,230	0.21	204	0.87	0.06	0.94
	4.88e-03	5.80e-03	0.0 209,210,0	0.07	7.33e-04	7.33e-04204,211,211			1.00	0.04	0.96
1952	0.05	0.07	0.0 209,210,0	0.07	5.09e-03	0.01204,229,230	0.21	204	0.87	0.06	0.94
	4.88e-03	5.80e-03	0.0 209,210,0	0.07	7.33e-04	7.33e-04204,211,211			1.00	0.04	0.96
1953	0.05	0.07	0.0 209,210,0	0.12	5.09e-03	0.01204,229,230	0.27	204	0.87	0.06	0.94
	4.89e-03	5.94e-03	0.0 209,210,0	0.12	7.33e-04	7.33e-04204,211,211			1.00	0.04	0.96
1954	0.02	0.04	0.0 209,210,0	0.07	3.82e-03	0.01204,229,230	0.20	204	0.87	0.06	0.94
	0.01	0.01	0.0 204,207,0	0.07	3.93e-04	3.93e-04204,234,234			1.00	0.04	0.96
1955	0.02	0.04	0.0 209,210,0	0.12	3.82e-03	0.01204,229,230	0.27	204	0.87	0.06	0.94
	0.01	0.01	0.0 204,207,0	0.12	4.10e-04	4.10e-04204,228,228			1.00	0.04	0.96
1956	0.03	0.06	0.0 223,220,0	0.10	2.58e-03	0.01204,234,228	0.24	204	0.87	0.06	0.94
	0.07	0.06	0.0 207,204,0	0.10	1.89e-03	1.89e-03204,230,230			1.00	0.04	0.96
1957	0.03	0.06	0.0 223,220,0	0.12	2.58e-03	0.01204,234,228	0.27	204	0.87	0.06	0.94
	0.07	0.06	0.0 207,204,0	0.12	1.89e-03	1.89e-03204,230,230			1.00	0.04	0.96
1958	0.03	0.06	0.0 223,220,0	0.10	4.18e-03	0.01204,230,228	0.24	204	0.87	0.06	0.94
	0.09	0.08	0.0 207,204,0	0.10	1.89e-03	1.89e-03204,230,230			1.00	0.04	0.96
1959	0.03	0.06	0.0 223,220,0	0.12	4.18e-03	0.01204,230,228	0.27	204	0.87	0.06	0.94
	0.09	0.08	0.0 207,204,0	0.12	1.89e-03	1.89e-03204,230,230			1.00	0.04	0.96
1960	0.01	0.03	0.0 229,210,0	0.13	4.64e-03	8.60e-03209,232,230	0.28	209	0.87	0.06	0.94
	4.89e-03	5.94e-03	0.0 209,210,0	0.13	4.42e-04	4.42e-04209,219,219			1.00	0.04	0.96
1961	0.02	0.03	0.0 229,230,0	0.13	3.40e-03	8.60e-03204,231,230	0.28	204	0.87	0.06	0.94
	4.04e-03	5.64e-03	0.0 208,211,0	0.13	5.33e-04	5.33e-04204,225,225			1.00	0.04	0.96
1962	0.02	0.03	0.0 229,230,0	0.13	1.93e-03	8.37e-03204,231,230	0.28	204	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.13	8.70e-04	8.70e-04204,225,225			1.00	0.04	0.96
1963	0.02	0.03	0.0 229,230,0	0.13	1.64e-03	7.77e-03204,232,230	0.27	204	0.87	0.06	0.94
	0.07	0.06	0.0 207,204,0	0.13	8.70e-04	8.70e-04204,225,225			1.00	0.04	0.96
1964	8.56e-03	0.02	0.0 229,210,0	0.13	4.52e-03	7.68e-03209,220,230	0.28	209	0.87	0.06	0.94
	2.25e-03	5.09e-03	0.0 229,52,0	0.13	6.28e-04	6.28e-04209,220,220			1.00	0.04	0.96
1965	0.01	0.02	0.0 229,230,0	0.13	3.19e-03	7.68e-03209,220,230	0.28	209	0.87	0.06	0.94
	7.38e-04	5.09e-03	0.0 225,52,0	0.13	8.54e-04	8.54e-04209,220,220			1.00	0.04	0.96
1966	0.01	0.02	0.0 229,230,0	0.13	1.63e-03	7.01e-03209,223,230	0.28	209	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.13	9.15e-04	9.15e-04209,223,223			1.00	0.04	0.96
1967	0.01	0.02	0.0 229,230,0	0.13	1.53e-03	6.67e-03204,224,230	0.27	204	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.13	9.15e-04	9.15e-04204,223,223			1.00	0.04	0.96
1968	3.54e-03	0.02	0.0 229,52,0	0.13	4.44e-03	6.97e-03209,224,222	0.28	209	0.87	0.06	0.94
	2.04e-03	5.84e-03	0.0 229,224,0	0.13	9.73e-04	9.73e-04209,224,224			1.00	0.04	0.96
1969	6.98e-03	0.02	0.0 229,230,0	0.13	3.07e-03	6.97e-03209,224,222	0.28	209	0.87	0.06	0.94
	4.48e-03	7.11e-03	0.0 223,220,0	0.13	1.12e-03	1.12e-03209,224,224			1.00	0.04	0.96
1970	8.65e-03	0.02	0.0 229,230,0	0.13	1.57e-03	6.43e-03209,227,222	0.28	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.13	1.12e-03	1.12e-03209,224,224			1.00	0.04	0.96
1971	8.65e-03	0.02	0.0 229,230,0	0.12	1.56e-03	6.26e-03204,224,222	0.27	204	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.12	9.38e-04	9.38e-04204,227,227			1.00	0.04	0.96
1972	0.0	0.03	0.0 0,52,0	0.13	4.38e-03	7.02e-03209,224,224	0.28	209	0.0	0.0	0.0
	4.49e-03	9.04e-03	0.0 223,220,0	0.13	1.18e-03	1.18e-03209,224,224			1.00	0.04	0.96
1973	3.65e-03	0.03	0.0 229,52,0	0.13	3.00e-03	7.02e-03209,224,224	0.28	209	0.87	0.06	0.94
	7.56e-03	9.78e-03	0.0 223,220,0	0.13	1.41e-03	1.41e-03209,224,224			1.00	0.04	0.96
1974	5.07e-03	0.02	0.0 229,52,0	0.13	1.51e-03	6.47e-03209,227,224	0.28	209	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.13	1.41e-03	1.41e-03209,224,224			1.00	0.04	0.96
1975	5.07e-03	0.02	0.0 229,222,0	0.12	1.61e-03	6.32e-03209,224,224	0.27	209	0.87	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.12	1.04e-03	1.04e-03209,224,224			1.00	0.04	0.96
1976	0.0	0.04	0.0 0,52,0	0.13	4.38e-03	7.15e-03210,224,224	0.28	210	0.0	0.0	0.0
	7.10e-03	0.01	0.0 223,220,0	0.13	1.18e-03	1.18e-03210,224,224			1.00	0.04	0.96
1977	0.0	0.03	0.0 0,52,0	0.13	2.90e-03	7.15e-03210,224,224	0.28	210	0.0	0.0	0.0
	0.01	0.01	0.0 223,220,0	0.13	1.43e-03	1.43e-03210,224,224			1.00	0.04	0.96

1978	3.29e-03	0.03	0.0	221,52,0	0.13	1.55e-03	6.90e-03210,224,224	0.28	210	0.87	0.06	0.94
	0.01	0.01	0.0	223,220,0	0.13	1.43e-03	1.43e-03210,224,224			1.00	0.04	0.96
1979	3.29e-03	0.03	0.0	221,52,0	0.12	1.61e-03	6.71e-03210,224,220	0.27	210	0.87	0.06	0.94
	0.02	0.02	0.0	223,220,0	0.12	1.40e-03	1.40e-03210,217,217			1.00	0.04	0.96
1980	0.0	0.05	0.0	0,52,0	0.14	6.79e-03	0.01210,227,220	0.29	210	0.0	0.0	0.0
	8.47e-03	0.01	0.0	223,220,0	0.14	1.59e-03	1.59e-03210,218,218			1.00	0.04	0.96
1981	0.0	0.05	0.0	0,52,0	0.14	2.57e-03	7.35e-03210,224,224	0.29	210	0.0	0.0	0.0
	0.01	0.01	0.0	227,224,0	0.14	2.07e-03	2.07e-03210,217,217			1.00	0.04	0.96
1982	2.31e-03	0.04	0.0	227,52,0	0.14	1.55e-03	7.27e-03210,224,220	0.29	210	0.87	0.06	0.94
	0.03	0.02	0.0	209,222,0	0.14	2.07e-03	2.07e-03210,217,217			1.00	0.04	0.96
1983	2.31e-03	0.04	0.0	227,52,0	0.14	1.60e-03	7.27e-03210,224,220	0.28	210	0.87	0.06	0.94
	0.03	0.02	0.0	209,222,0	0.14	1.72e-03	1.72e-03210,217,217			1.00	0.04	0.96
1984	4.80e-03	0.07	0.0	223,52,0	0.14	0.01	0.02210,225,226	0.29	210	0.87	0.06	0.94
	0.01	0.02	0.0	207,204,0	0.14	4.84e-03	4.84e-03210,234,234			1.00	0.04	0.96
1985	0.0	0.07	0.0	0,52,0	0.15	2.17e-03	7.90e-03210,224,222	0.30	210	0.0	0.0	0.0
	0.01	0.01	0.0	227,224,0	0.15	5.01e-03	5.01e-03210,226,226			1.00	0.04	0.96
1986	1.79e-03	0.07	0.0	221,52,0	0.15	1.46e-03	8.89e-03210,220,226	0.30	210	0.87	0.06	0.94
	0.05	0.03	0.0	209,210,0	0.15	5.47e-03	5.47e-03210,233,233			1.00	0.04	0.96
1987	7.21e-03	0.07	0.0	229,52,0	0.15	3.91e-03	0.01210,226,222	0.30	210	0.87	0.06	0.94
	0.05	0.03	0.0	209,210,0	0.15	5.47e-03	5.47e-03210,233,233			1.00	0.04	0.96
1988	0.10	0.16	0.0	223,220,0	0.14	0.06	0.10210,220,220	0.29	210	0.87	0.06	0.94
	0.05	0.05	0.0	210,209,0	0.14	0.02	0.02210,207,207			1.00	0.04	0.96
1989	0.04	0.11	0.0	223,220,0	0.15	0.01	0.02210,226,220	0.30	210	0.87	0.06	0.94
	0.02	0.02	0.0	218,217,0	0.15	6.40e-03	6.40e-03210,226,226			1.00	0.04	0.96
1990	0.02	0.09	0.0	223,220,0	0.15	1.46e-03	0.01210,220,220	0.30	210	0.87	0.06	0.94
	0.08	0.05	0.0	217,218,0	0.15	9.67e-03	9.67e-03210,233,233			1.00	0.04	0.96
1991	0.02	0.08	0.0	223,220,0	0.15	3.91e-03	0.01210,226,222	0.30	210	0.87	0.06	0.94
	0.08	0.05	0.0	217,218,0	0.15	0.02	0.02210,222,222			1.00	0.04	0.96
1992	0.13	0.24	0.0	223,220,0	0.12	0.06	0.10210,220,220	0.26	210	0.87	0.06	0.94
	0.05	0.05	0.0	210,209,0	0.12	0.03	0.03210,209,209			1.00	0.04	0.96
1993	0.06	0.17	0.0	223,220,0	0.12	0.01	0.04210,220,220	0.26	210	0.87	0.06	0.94
	0.02	0.02	0.0	218,217,0	0.12	6.44e-03	6.44e-03210,209,209			1.00	0.04	0.96
1994	0.03	0.13	0.0	229,226,0	0.11	2.97e-03	0.02210,229,230	0.26	210	0.87	0.06	0.94
	0.08	0.05	0.0	217,218,0	0.11	0.01	0.01210,220,220			1.00	0.04	0.96
1995	0.03	0.13	0.0	229,230,0	0.11	3.02e-03	0.02210,212,230	0.25	210	0.87	0.06	0.94
	0.09	0.05	0.0	204,218,0	0.11	0.03	0.03210,226,226			1.00	0.04	0.96
1996	0.02	0.04	0.0	223,220,0	0.05	4.20e-03	0.01204,234,228	0.17	204	0.87	0.06	0.94
	0.09	0.08	0.0	207,204,0	0.05	1.22e-03	1.22e-03204,230,230			1.00	0.04	0.96
1997	0.02	0.04	0.0	223,220,0	0.06	4.20e-03	0.01204,234,228	0.18	204	0.87	0.06	0.94
	0.09	0.08	0.0	207,204,0	0.06	1.22e-03	1.22e-03204,230,230			1.00	0.04	0.96
1998	0.01	0.02	0.0	231,228,0	0.05	4.73e-03	8.78e-03204,233,228	0.17	204	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.05	8.76e-04	8.76e-04204,234,234			1.00	0.04	0.96
1999	0.01	0.02	0.0	231,228,0	0.05	5.24e-03	8.78e-03209,233,228	0.17	209	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.05	8.76e-04	8.76e-04209,234,234			1.00	0.04	0.96
2000	6.65e-04	0.01	0.0	235,52,0	0.03	4.73e-03	6.39e-03204,233,228	0.13	204	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.03	8.11e-04	8.11e-04204,234,234			1.00	0.04	0.96
2001	2.53e-03	0.01	0.0	229,230,0	0.04	5.24e-03	7.51e-03204,233,234	0.15	204	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.04	8.11e-04	8.11e-04204,234,234			1.00	0.04	0.96
2002	0.02	0.03	0.0	229,230,0	0.07	3.62e-03	8.20e-03209,229,230	0.21	209	0.87	0.06	0.94
	0.07	0.06	0.0	207,204,0	0.07	7.49e-04	7.49e-04209,230,230			1.00	0.04	0.96
2003	0.01	0.02	0.0	229,230,0	0.06	5.24e-03	8.20e-03209,233,230	0.18	209	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.06	7.49e-04	7.49e-04209,230,230			1.00	0.04	0.96
2004	3.45e-03	0.01	0.0	209,210,0	0.04	5.24e-03	7.51e-03204,233,234	0.16	204	0.87	0.06	0.94
	0.02	0.01	0.0	207,204,0	0.04	4.32e-04	4.32e-04204,216,216			1.00	0.04	0.96
2005	0.01	0.02	0.0	229,230,0	0.08	3.22e-03	7.26e-03209,223,230	0.21	209	0.87	0.06	0.94
	0.06	0.05	0.0	207,204,0	0.08	7.80e-04	7.80e-04209,223,223			1.00	0.04	0.96
2006	8.43e-03	0.02	0.0	229,230,0	0.06	5.10e-03	7.26e-03209,223,230	0.19	209	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.06	5.38e-04	5.38e-04209,225,225			1.00	0.04	0.96
2007	3.45e-03	0.01	0.0	209,210,0	0.05	5.10e-03	7.25e-03204,223,234	0.16	204	0.87	0.06	0.94
	9.16e-03	6.45e-03	0.0	207,204,0	0.05	5.38e-04	5.38e-04204,225,225			1.00	0.04	0.96
2008	7.94e-03	0.02	0.0	229,230,0	0.08	3.14e-03	6.75e-03210,224,222	0.22	210	0.87	0.06	0.94
	0.04	0.04	0.0	207,204,0	0.08	7.80e-04	7.80e-04210,223,223			1.00	0.04	0.96
2009	5.14e-03	0.02	0.0	229,230,0	0.06	4.88e-03	6.75e-03210,227,222	0.19	210	0.87	0.06	0.94
	0.01	0.01	0.0	223,220,0	0.06	5.60e-04	5.60e-04210,225,225			1.00	0.04	0.96
2010	0.0	0.01	0.0	0,52,0	0.05	4.88e-03	6.65e-03204,227,222	0.16	204	0.0	0.0	0.0
	5.39e-03	6.34e-03	0.0	229,230,0	0.05	5.60e-04	5.60e-04204,225,225			1.00	0.04	0.96
2011	4.72e-03	0.02	0.0	229,52,0	0.09	3.04e-03	6.54e-03210,224,224	0.23	210	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.09	7.80e-04	7.80e-04210,218,218			1.00	0.04	0.96
2012	2.49e-03	0.02	0.0	229,52,0	0.07	4.65e-03	6.54e-03210,227,224	0.20	210	0.87	0.06	0.94
	0.01	0.01	0.0	209,230,0	0.07	7.80e-04	7.80e-04210,218,218			1.00	0.04	0.96
2013	0.0	0.02	0.0	0,52,0	0.05	4.65e-03	6.38e-03210,227,224	0.17	210	0.0	0.0	0.0
	0.01	0.01	0.0	209,210,0	0.05	5.60e-04	5.60e-04210,225,225			1.00	0.04	0.96
2014	2.90e-03	0.03	0.0	221,52,0	0.09	2.91e-03	6.85e-03210,224,224	0.23	210	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.09	2.22e-03	2.22e-03210,234,234			1.00	0.04	0.96
2015	0.0	0.02	0.0	0,52,0	0.08	4.33e-03	6.85e-03210,227,224	0.22	210	0.0	0.0	0.0

	0.02	0.02	0.0 209,210,0	0.08	2.22e-03	2.22e-03210,234,234			1.00	0.04	0.96
2016	0.0	0.02	0.0 0,52,0	0.05	4.33e-03	6.28e-03210,227,224	0.17	210	0.0	0.0	0.0
	0.02	0.02	0.0 209,210,0	0.05	8.89e-04	8.89e-04210,234,234			1.00	0.04	0.96
2017	2.08e-03	0.04	0.0 223,52,0	0.10	3.23e-03	8.15e-03210,224,224	0.24	210	0.87	0.06	0.94
	0.03	0.04	0.0 209,210,0	0.10	4.14e-03	4.14e-03210,234,234			1.00	0.04	0.96
2018	0.0	0.03	0.0 0,52,0	0.09	3.89e-03	8.15e-03210,227,224	0.23	210	0.0	0.0	0.0
	0.04	0.04	0.0 209,210,0	0.09	4.14e-03	4.14e-03210,234,234			1.00	0.04	0.96
2019	0.0	0.03	0.0 0,52,0	0.05	3.89e-03	6.99e-03210,227,220	0.18	210	0.0	0.0	0.0
	0.04	0.04	0.0 209,210,0	0.05	3.25e-03	3.25e-03210,230,230			1.00	0.04	0.96
2020	0.01	0.06	0.0 229,52,0	0.12	3.91e-03	0.01210,226,222	0.27	210	0.87	0.06	0.94
	0.05	0.05	0.0 209,210,0	0.12	4.14e-03	4.14e-03210,234,234			1.00	0.04	0.96
2021	0.01	0.06	0.0 229,230,0	0.12	6.91e-03	0.01210,224,222	0.27	210	0.87	0.06	0.94
	0.05	0.05	0.0 209,210,0	0.12	5.20e-03	5.20e-03210,234,234			1.00	0.04	0.96
2022	0.01	0.05	0.0 229,230,0	0.08	6.91e-03	0.01210,224,222	0.22	210	0.87	0.06	0.94
	0.05	0.05	0.0 209,210,0	0.08	5.20e-03	5.20e-03210,234,234			1.00	0.04	0.96
2023	0.02	0.08	0.0 225,226,0	0.12	0.03	0.04210,226,226	0.27	210	0.87	0.06	0.94
	0.06	0.06	0.0 217,222,0	0.12	0.02	0.02210,226,226			1.00	0.04	0.96
2024	0.02	0.08	0.0 229,226,0	0.12	0.03	0.04210,226,226	0.27	210	0.87	0.06	0.94
	0.08	0.08	0.0 229,230,0	0.12	0.04	0.04210,226,226			1.00	0.04	0.96
2025	0.02	0.07	0.0 229,230,0	0.08	0.03	0.04210,226,226	0.22	210	0.87	0.06	0.94
	0.08	0.08	0.0 229,230,0	0.08	0.04	0.04210,226,226			1.00	0.04	0.96
2026	0.02	0.10	0.0 225,52,0	0.07	0.03	0.05210,226,226	0.20	210	0.87	0.06	0.94
	0.09	0.07	0.0 207,204,0	0.07	0.03	0.03210,226,226			1.00	0.04	0.96
2027	0.02	0.10	0.0 223,52,0	0.07	0.04	0.05210,226,226	0.20	210	0.87	0.06	0.94
	0.09	0.08	0.0 207,230,0	0.07	0.05	0.05210,226,226			1.00	0.04	0.96
2028	0.02	0.09	0.0 223,220,0	0.01	0.04	0.05210,226,226	0.08	210	0.87	0.06	0.94
	0.08	0.08	0.0 210,230,0	0.01	0.05	0.05210,226,226			1.00	0.04	0.96
2037	0.13	0.24	0.0 223,220,0	0.06	0.05	0.09209,226,220	0.18	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.06	0.03	0.03209,209,209			1.00	0.04	0.96
2038	0.06	0.17	0.0 223,220,0	0.05	0.01	0.04204,220,220	0.16	204	0.87	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.05	6.44e-03	6.44e-03204,209,209			1.00	0.04	0.96
2039	0.03	0.13	0.0 229,226,0	0.05	2.97e-03	0.02204,229,230	0.18	204	0.87	0.06	0.94
	0.08	0.04	0.0 204,207,0	0.05	0.01	0.01204,220,220			1.00	0.04	0.96
2040	0.03	0.13	0.0 229,230,0	0.05	3.02e-03	0.02204,212,230	0.18	204	0.87	0.06	0.94
	0.09	0.05	0.0 204,207,0	0.05	0.03	0.03204,226,226			1.00	0.04	0.96
2041	0.01	0.10	0.0 225,52,0	0.05	0.03	0.05210,226,226	0.17	210	0.87	0.06	0.94
	0.09	0.07	0.0 207,204,0	0.05	0.03	0.03210,226,226			1.00	0.04	0.96
2042	0.02	0.10	0.0 223,52,0	0.05	0.04	0.05210,226,226	0.17	210	0.87	0.06	0.94
	0.09	0.07	0.0 207,220,0	0.05	0.05	0.05210,226,226			1.00	0.04	0.96
2043	0.02	0.09	0.0 223,220,0	4.47e-03	0.04	0.05204,226,226	0.05	204	0.87	0.06	0.94
	0.08	0.07	0.0 210,220,0	4.45e-03	0.05	0.05204,226,226			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.13	0.24	0.0	0.15	0.06	0.10	0.30				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
67	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
		kN			kN			kN	kN m				
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1945	0.04	0.03	0.0 205,206,0		0.18	3.22e-03	6.76e-03204,230,230		0.33	204	0.53	0.09	0.91
	0.07	0.06	0.0 209,210,0		0.18	9.45e-03	9.45e-03204,230,230				1.00	0.04	0.96
1949	0.04	0.03	0.0 205,206,0		0.21	3.22e-03	6.76e-03204,230,230		0.35	204	0.53	0.09	0.91
	0.07	0.06	0.0 209,210,0		0.21	9.45e-03	9.45e-03204,230,230				1.00	0.04	0.96
1950	0.04	0.02	0.0 210,209,0		0.21	1.10e-03	3.04e-03204,230,209		0.35	204	0.53	0.09	0.91
	0.03	0.11	0.0 229,52,0		0.21	5.46e-03	5.46e-03204,234,234				1.00	0.04	0.96
1951	0.04	0.02	0.0 210,209,0		0.16	6.97e-04	3.04e-03204,232,209		0.31	204	0.53	0.09	0.91
	5.87e-03	0.11	0.0 229,52,0		0.16	5.46e-03	5.46e-03204,234,234				1.00	0.04	0.96
1958	0.05	0.04	0.0 207,204,0		0.20	2.58e-03	6.78e-03204,234,220		0.34	204	0.53	0.09	0.91
	0.06	0.06	0.0 207,204,0		0.20	6.78e-03	6.78e-03204,233,233				1.00	0.04	0.96
1996	0.05	0.04	0.0 207,204,0		0.21	2.58e-03	6.78e-03204,234,220		0.35	204	0.53	0.09	0.91
	0.06	0.06	0.0 207,204,0		0.21	6.78e-03	6.78e-03204,233,233				1.00	0.04	0.96
1998	0.03	0.02	0.0 210,209,0		0.21	8.08e-04	2.67e-03204,234,209		0.35	204	0.53	0.09	0.91
	0.04	0.04	0.0 223,220,0		0.21	6.55e-03	6.55e-03204,231,231				1.00	0.04	0.96
2000	0.03	0.02	0.0 210,209,0		0.16	7.77e-04	2.67e-03204,235,209		0.31	204	0.53	0.09	0.91
	6.48e-03	0.02	0.0 231,228,0		0.16	6.55e-03	6.55e-03204,231,231				1.00	0.04	0.96

2029	0.04	0.03	0.0 205,206,0	0.22	3.22e-03	6.76e-03204,230,230	0.36	204	0.53	0.09	0.91
	0.07	0.06	0.0 209,210,0	0.22	9.45e-03	9.45e-03204,230,230			1.00	0.04	0.96
2030	0.04	0.03	0.0 205,206,0	0.18	3.22e-03	6.76e-03204,230,230	0.33	204	0.53	0.09	0.91
	0.07	0.06	0.0 209,210,0	0.18	9.45e-03	9.45e-03204,230,230			1.00	0.04	0.96
2031	0.04	0.02	0.0 210,209,0	0.22	1.10e-03	3.04e-03204,230,209	0.36	204	0.53	0.09	0.91
	0.03	0.11	0.0 229,52,0	0.22	5.46e-03	5.46e-03204,234,234			1.00	0.04	0.96
2032	0.02	0.01	0.0 210,209,0	0.17	6.97e-04	1.82e-03204,232,209	0.31	204	0.53	0.09	0.91
	7.20e-03	8.09e-03	0.0 229,230,0	0.17	5.15e-03	5.15e-03204,230,230			1.00	0.04	0.96
2033	0.05	0.04	0.0 207,204,0	0.22	2.58e-03	6.78e-03204,234,220	0.36	204	0.53	0.09	0.91
	0.06	0.06	0.0 207,204,0	0.22	6.78e-03	6.78e-03204,233,233			1.00	0.04	0.96
2034	0.05	0.04	0.0 207,204,0	0.20	2.58e-03	6.78e-03204,234,220	0.34	204	0.53	0.09	0.91
	0.06	0.06	0.0 207,204,0	0.20	6.78e-03	6.78e-03204,233,233			1.00	0.04	0.96
2035	0.03	0.02	0.0 210,209,0	0.22	8.08e-04	2.67e-03204,234,209	0.36	204	0.53	0.09	0.91
	0.04	0.04	0.0 223,220,0	0.22	6.55e-03	6.55e-03204,231,231			1.00	0.04	0.96
2036	0.02	0.01	0.0 210,209,0	0.17	7.77e-04	1.82e-03204,235,209	0.31	204	0.53	0.09	0.91
	7.20e-03	5.11e-03	0.0 229,228,0	0.17	5.40e-03	5.40e-03204,229,229			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.07	0.11	0.0	0.22	9.45e-03	9.45e-03	0.36				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
68	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.96	180.3	177	0.58	108.3	172	0.73	8378.0	3.706e+06	223

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
648	0.21	0.24	0.0 223,220,0		0.05	0.09	0.14207,224,220		0.17	207	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0		0.05	0.02	0.02207,210,210				1.00	0.04	0.96
770	0.21	0.24	0.0 223,220,0		0.10	0.09	0.14210,224,220		0.24	210	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0		0.10	0.02	0.02210,210,210				1.00	0.04	0.96
773	0.05	0.08	0.0 223,220,0		0.11	0.02	0.03210,225,220		0.26	210	0.87	0.06	0.94
	9.83e-03	9.96e-03	0.0 233,234,0		0.11	4.34e-03	4.34e-03210,209,209				1.00	0.04	0.96
776	0.02	0.05	0.0 223,220,0		0.11	8.27e-03	0.01210,227,220		0.26	210	0.87	0.06	0.94
	8.39e-03	8.97e-03	0.0 223,220,0		0.11	2.58e-03	2.58e-03210,223,223				1.00	0.04	0.96
779	7.36e-03	0.03	0.0 223,220,0		0.12	5.51e-03	8.59e-03209,220,220		0.27	209	0.87	0.06	0.94
	8.39e-03	8.97e-03	0.0 223,220,0		0.12	1.95e-03	1.95e-03209,220,220				1.00	0.04	0.96
782	1.19e-03	0.02	0.0 223,52,0		0.12	5.51e-03	8.59e-03209,220,220		0.27	209	0.87	0.06	0.94
	5.68e-03	6.29e-03	0.0 225,226,0		0.12	7.63e-04	7.63e-04209,207,207				1.00	0.04	0.96
785	0.0	0.02	0.0 0,52,0		0.12	5.67e-03	8.14e-03209,223,220		0.27	209	0.0	0.0	0.0
	4.52e-03	5.19e-03	0.0 221,222,0		0.12	7.63e-04	7.63e-04209,207,207				1.00	0.04	0.96
788	0.0	0.02	0.0 0,52,0		0.12	5.77e-03	8.03e-03209,223,220		0.27	209	0.0	0.0	0.0
	3.49e-03	4.75e-03	0.0 209,210,0		0.12	5.10e-04	5.10e-04209,227,227				1.00	0.04	0.96
791	6.66e-03	0.02	0.0 209,210,0		0.12	5.77e-03	8.22e-03209,223,222		0.27	209	0.87	0.06	0.94
	3.56e-03	4.56e-03	0.0 209,210,0		0.12	4.29e-04	4.29e-04209,235,235				1.00	0.04	0.96
794	7.18e-03	0.03	0.0 209,210,0		0.12	5.98e-03	9.40e-03209,225,226		0.27	209	0.87	0.06	0.94
	9.30e-03	8.38e-03	0.0 209,210,0		0.12	4.46e-04	4.46e-04209,219,219				1.00	0.04	0.96
797	0.05	0.07	0.0 209,210,0		0.11	5.98e-03	0.01209,225,226		0.26	209	0.87	0.06	0.94
	9.30e-03	8.38e-03	0.0 209,210,0		0.11	6.54e-04	6.54e-04209,212,212				1.00	0.04	0.96
800	0.05	0.07	0.0 209,210,0		0.07	5.86e-03	0.01209,225,226		0.20	209	0.87	0.06	0.94
	8.46e-03	8.10e-03	0.0 209,210,0		0.07	6.54e-04	6.54e-04209,212,212				1.00	0.04	0.96
2044	0.05	0.07	0.0 209,210,0		0.07	5.86e-03	0.01209,225,226		0.20	209	0.87	0.06	0.94
	8.46e-03	8.10e-03	0.0 209,210,0		0.07	6.54e-04	6.54e-04209,212,212				1.00	0.04	0.96
2045	0.05	0.07	0.0 209,210,0		0.11	5.98e-03	0.01204,225,226		0.26	204	0.87	0.06	0.94
	9.30e-03	8.38e-03	0.0 209,210,0		0.11	6.54e-04	6.54e-04204,212,212				1.00	0.04	0.96
2046	0.02	0.04	0.0 209,210,0		0.07	4.43e-03	0.01204,222,222		0.20	204	0.87	0.06	0.94
	0.01	0.01	0.0 204,207,0		0.07	5.07e-04	5.07e-04204,222,222				1.00	0.04	0.96
2047	0.02	0.04	0.0 209,210,0		0.11	4.43e-03	0.01204,222,222		0.26	204	0.87	0.06	0.94
	0.01	0.01	0.0 204,207,0		0.11	5.07e-04	5.07e-04204,222,222				1.00	0.04	0.96
2048	0.03	0.06	0.0 223,220,0		0.11	2.96e-03	0.01204,222,226		0.25	204	0.87	0.06	0.94
	0.08	0.07	0.0 207,204,0		0.11	2.52e-03	2.52e-03204,222,222				1.00	0.04	0.96
2049	0.03	0.06	0.0 223,220,0		0.13	2.96e-03	0.01204,222,226		0.27	204	0.87	0.06	0.94
	0.08	0.07	0.0 207,204,0		0.13	2.52e-03	2.52e-03204,222,222				1.00	0.04	0.96
2050	0.03	0.06	0.0 223,220,0		0.11	5.76e-03	0.01204,222,226		0.25	204	0.87	0.06	0.94
	0.11	0.09	0.0 207,204,0		0.11	2.52e-03	2.52e-03204,222,222				1.00	0.04	0.96
2051	0.03	0.06	0.0 223,220,0		0.13	5.76e-03	0.01204,222,226		0.27	204	0.87	0.06	0.94
	0.11	0.09	0.0 207,204,0		0.13	2.52e-03	2.52e-03204,222,222				1.00	0.04	0.96
2052	0.01	0.03	0.0 217,218,0		0.12	5.98e-03	9.66e-03209,225,226		0.27	209	0.87	0.06	0.94

	9.30e-03	8.38e-03	0.0 209,210,0	0.12	4.46e-04	4.46e-04209,219,219			1.00	0.04	0.96
2053	0.01	0.03	0.0 229,230,0	0.12	4.19e-03	9.66e-03204,223,226	0.27	204	0.87	0.06	0.94
	2.33e-03	5.62e-03	0.0 223,220,0	0.12	5.41e-04	5.41e-04204,225,225			1.00	0.04	0.96
2054	0.02	0.03	0.0 221,206,0	0.13	2.29e-03	9.09e-03204,225,222	0.27	204	0.87	0.06	0.94
	0.07	0.06	0.0 207,204,0	0.13	1.11e-03	1.11e-03204,222,222			1.00	0.04	0.96
2055	0.02	0.03	0.0 221,206,0	0.13	1.93e-03	8.30e-03204,223,226	0.27	204	0.87	0.06	0.94
	0.09	0.08	0.0 207,204,0	0.13	1.11e-03	1.11e-03204,222,222			1.00	0.04	0.96
2056	7.67e-03	0.02	0.0 229,210,0	0.13	5.77e-03	8.47e-03209,223,220	0.27	209	0.87	0.06	0.94
	3.56e-03	4.56e-03	0.0 209,210,0	0.13	6.11e-04	6.11e-04209,223,223			1.00	0.04	0.96
2057	0.01	0.02	0.0 204,207,0	0.13	4.19e-03	8.47e-03209,223,220	0.27	209	0.87	0.06	0.94
	5.32e-03	7.72e-03	0.0 207,204,0	0.13	9.70e-04	9.70e-04209,223,223			1.00	0.04	0.96
2058	0.01	0.02	0.0 204,207,0	0.13	2.12e-03	8.08e-03204,223,223	0.27	204	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.13	1.11e-03	1.11e-03204,220,220			1.00	0.04	0.96
2059	0.01	0.02	0.0 204,207,0	0.13	1.93e-03	7.83e-03204,223,223	0.27	204	0.87	0.06	0.94
	0.07	0.07	0.0 207,204,0	0.13	1.11e-03	1.11e-03204,220,220			1.00	0.04	0.96
2060	3.22e-03	0.02	0.0 223,207,0	0.13	5.77e-03	8.47e-03209,223,220	0.27	209	0.87	0.06	0.94
	3.76e-03	5.96e-03	0.0 223,220,0	0.13	8.43e-04	8.43e-04209,223,223			1.00	0.04	0.96
2061	7.88e-03	0.02	0.0 223,220,0	0.13	4.03e-03	8.47e-03209,223,220	0.27	209	0.87	0.06	0.94
	9.43e-03	0.01	0.0 207,204,0	0.13	1.08e-03	1.08e-03209,223,223			1.00	0.04	0.96
2062	9.84e-03	0.02	0.0 223,220,0	0.13	2.11e-03	7.88e-03209,223,220	0.27	209	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.13	1.11e-03	1.11e-03209,220,220			1.00	0.04	0.96
2063	9.84e-03	0.02	0.0 223,220,0	0.12	1.93e-03	7.68e-03204,223,220	0.27	204	0.87	0.06	0.94
	0.06	0.06	0.0 207,204,0	0.12	1.11e-03	1.11e-03204,220,220			1.00	0.04	0.96
2064	5.21e-03	0.02	0.0 223,220,0	0.12	5.67e-03	8.47e-03209,223,220	0.27	209	0.87	0.06	0.94
	7.15e-03	8.48e-03	0.0 223,220,0	0.12	9.66e-04	9.66e-04209,223,223			1.00	0.04	0.96
2065	9.51e-03	0.02	0.0 223,220,0	0.13	3.92e-03	8.47e-03209,223,220	0.27	209	0.87	0.06	0.94
	0.01	0.01	0.0 223,220,0	0.13	1.09e-03	1.09e-03209,223,223			1.00	0.04	0.96
2066	0.01	0.02	0.0 223,220,0	0.13	2.05e-03	7.80e-03209,223,220	0.27	209	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.13	1.09e-03	1.09e-03209,223,223			1.00	0.04	0.96
2067	0.01	0.02	0.0 223,220,0	0.12	1.93e-03	7.61e-03209,223,220	0.27	209	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.12	1.09e-03	1.09e-03209,223,223			1.00	0.04	0.96
2068	8.02e-03	0.03	0.0 223,220,0	0.12	5.51e-03	8.59e-03209,220,220	0.27	209	0.87	0.06	0.94
	0.01	0.01	0.0 223,220,0	0.12	9.92e-04	9.92e-04209,224,224			1.00	0.04	0.96
2069	0.01	0.03	0.0 227,224,0	0.12	3.77e-03	8.47e-03209,223,220	0.27	209	0.87	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.12	1.09e-03	1.09e-03209,223,223			1.00	0.04	0.96
2070	0.01	0.03	0.0 223,224,0	0.12	1.90e-03	7.83e-03209,223,224	0.27	209	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.12	1.09e-03	1.09e-03209,223,223			1.00	0.04	0.96
2071	0.01	0.03	0.0 223,220,0	0.11	1.86e-03	7.51e-03209,222,224	0.26	209	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.11	8.74e-04	8.74e-04209,223,223			1.00	0.04	0.96
2072	0.01	0.03	0.0 223,220,0	0.12	5.51e-03	8.59e-03209,220,220	0.27	209	0.87	0.06	0.94
	0.01	0.01	0.0 227,224,0	0.12	1.95e-03	1.95e-03209,220,220			1.00	0.04	0.96
2073	0.01	0.03	0.0 227,224,0	0.12	3.06e-03	8.17e-03209,227,224	0.27	209	0.87	0.06	0.94
	0.02	0.02	0.0 227,224,0	0.12	9.92e-04	9.92e-04209,224,224			1.00	0.04	0.96
2074	0.02	0.03	0.0 227,224,0	0.12	1.81e-03	8.09e-03209,223,224	0.26	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.12	8.84e-04	8.84e-04209,224,224			1.00	0.04	0.96
2075	0.02	0.03	0.0 227,224,0	0.11	1.97e-03	7.57e-03209,222,224	0.25	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.11	1.65e-03	1.65e-03209,218,218			1.00	0.04	0.96
2076	0.02	0.05	0.0 223,220,0	0.11	8.27e-03	0.01210,227,220	0.26	210	0.87	0.06	0.94
	0.01	0.01	0.0 227,224,0	0.11	2.58e-03	2.58e-03210,223,223			1.00	0.04	0.96
2077	0.02	0.05	0.0 223,220,0	0.11	2.84e-03	9.18e-03210,227,224	0.26	210	0.87	0.06	0.94
	0.02	0.02	0.0 227,224,0	0.11	2.12e-03	2.12e-03210,214,214			1.00	0.04	0.96
2078	0.02	0.05	0.0 227,220,0	0.11	1.92e-03	8.48e-03210,222,224	0.26	210	0.87	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.11	2.12e-03	2.12e-03210,214,214			1.00	0.04	0.96
2079	0.02	0.04	0.0 227,224,0	0.11	1.97e-03	8.30e-03210,222,224	0.25	210	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.11	1.65e-03	1.65e-03210,218,218			1.00	0.04	0.96
2080	0.05	0.08	0.0 223,220,0	0.11	0.02	0.03210,225,220	0.26	210	0.87	0.06	0.94
	0.01	0.01	0.0 227,224,0	0.11	6.50e-03	6.50e-03210,226,226			1.00	0.04	0.96
2081	0.04	0.08	0.0 223,220,0	0.11	2.84e-03	0.01210,227,220	0.26	210	0.87	0.06	0.94
	0.02	0.01	0.0 227,224,0	0.11	6.50e-03	6.50e-03210,226,226			1.00	0.04	0.96
2082	0.04	0.07	0.0 223,220,0	0.11	1.92e-03	0.01210,222,224	0.26	210	0.87	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.11	6.11e-03	6.11e-03210,225,225			1.00	0.04	0.96
2083	0.04	0.07	0.0 223,220,0	0.11	3.53e-03	0.01210,225,226	0.25	210	0.87	0.06	0.94
	0.02	0.02	0.0 223,204,0	0.11	5.62e-03	5.62e-03210,223,223			1.00	0.04	0.96
2084	0.21	0.24	0.0 223,220,0	0.10	0.09	0.14210,224,220	0.25	210	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.10	0.02	0.02210,210,210			1.00	0.04	0.96
2085	0.12	0.16	0.0 223,220,0	0.10	0.01	0.03210,226,220	0.25	210	0.87	0.06	0.94
	0.02	0.02	0.0 225,226,0	0.10	7.88e-03	7.88e-03210,225,225			1.00	0.04	0.96
2086	0.09	0.13	0.0 223,220,0	0.10	1.76e-03	0.02210,214,220	0.24	210	0.87	0.06	0.94
	0.02	0.02	0.0 225,226,0	0.10	0.01	0.01210,223,223			1.00	0.04	0.96
2087	0.07	0.11	0.0 223,220,0	0.10	3.53e-03	0.01210,225,224	0.24	210	0.87	0.06	0.94
	0.02	0.02	0.0 225,233,0	0.10	0.02	0.02210,225,225			1.00	0.04	0.96
2088	0.21	0.24	0.0 223,220,0	0.06	0.09	0.14210,224,220	0.19	210	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.06	0.02	0.02210,210,210			1.00	0.04	0.96
2089	0.12	0.16	0.0 223,220,0	0.06	0.01	0.03210,226,220	0.19	210	0.87	0.06	0.94
	0.02	0.02	0.0 225,226,0	0.06	7.88e-03	7.88e-03210,225,225			1.00	0.04	0.96

2090	0.09	0.13	0.0 223,220,0	0.06	1.76e-03	0.02210,214,220	0.19	210	0.87	0.06	0.94
	0.02	0.02	0.0 225,226,0	0.06	0.01	0.01210,223,223			1.00	0.04	0.96
2091	0.07	0.11	0.0 223,220,0	0.06	6.49e-04	0.01210,213,224	0.18	210	0.87	0.06	0.94
	0.02	0.02	0.0 225,233,0	0.06	0.02	0.02210,225,225			1.00	0.04	0.96
2092	0.02	0.04	0.0 223,220,0	0.06	5.76e-03	0.01204,222,226	0.18	204	0.87	0.06	0.94
	0.11	0.09	0.0 207,204,0	0.06	1.72e-03	1.72e-03204,222,222			1.00	0.04	0.96
2093	0.02	0.04	0.0 223,220,0	0.06	5.76e-03	0.01204,222,226	0.19	204	0.87	0.06	0.94
	0.11	0.09	0.0 207,204,0	0.06	1.72e-03	1.72e-03204,222,222			1.00	0.04	0.96
2094	0.01	0.03	0.0 223,220,0	0.06	5.60e-03	9.83e-03204,222,226	0.18	204	0.87	0.06	0.94
	0.05	0.04	0.0 210,209,0	0.06	1.72e-03	1.72e-03204,222,222			1.00	0.04	0.96
2095	0.01	0.03	0.0 223,220,0	0.06	5.95e-03	9.83e-03204,221,226	0.19	204	0.87	0.06	0.94
	0.05	0.04	0.0 210,204,0	0.06	1.72e-03	1.72e-03204,222,222			1.00	0.04	0.96
2096	0.0	0.01	0.0 0,52,0	0.04	5.22e-03	6.86e-03204,223,220	0.15	204	0.0	0.0	0.0
	0.05	0.03	0.0 210,209,0	0.04	1.42e-03	1.42e-03204,226,226			1.00	0.04	0.96
2097	2.41e-03	0.01	0.0 221,230,0	0.04	5.95e-03	8.39e-03204,221,222	0.16	204	0.87	0.06	0.94
	0.05	0.03	0.0 210,209,0	0.04	1.42e-03	1.42e-03204,226,226			1.00	0.04	0.96
2098	0.01	0.03	0.0 204,207,0	0.08	4.22e-03	8.86e-03209,223,226	0.21	209	0.87	0.06	0.94
	0.09	0.08	0.0 207,204,0	0.08	1.12e-03	1.12e-03209,222,222			1.00	0.04	0.96
2099	8.29e-03	0.02	0.0 233,234,0	0.07	6.04e-03	8.86e-03204,223,226	0.20	204	0.87	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.07	1.12e-03	1.12e-03204,222,222			1.00	0.04	0.96
2100	3.49e-03	0.01	0.0 209,230,0	0.05	6.04e-03	8.39e-03204,223,222	0.17	204	0.87	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.05	7.97e-04	7.97e-04204,230,230			1.00	0.04	0.96
2101	0.01	0.02	0.0 204,207,0	0.08	4.22e-03	8.74e-03209,223,223	0.22	209	0.87	0.06	0.94
	0.07	0.07	0.0 207,204,0	0.08	9.01e-04	9.01e-04209,223,223			1.00	0.04	0.96
2102	7.97e-03	0.02	0.0 225,207,0	0.07	6.49e-03	8.74e-03209,224,223	0.20	209	0.87	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.07	6.20e-04	6.20e-04209,210,210			1.00	0.04	0.96
2103	3.49e-03	0.01	0.0 209,210,0	0.05	6.49e-03	8.49e-03204,224,224	0.18	204	0.87	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.05	6.20e-04	6.20e-04204,210,210			1.00	0.04	0.96
2104	9.11e-03	0.02	0.0 223,220,0	0.09	4.16e-03	8.53e-03209,223,220	0.23	209	0.87	0.06	0.94
	0.06	0.06	0.0 207,204,0	0.09	9.66e-04	9.66e-04209,223,223			1.00	0.04	0.96
2105	5.71e-03	0.01	0.0 223,222,0	0.07	6.49e-03	8.53e-03209,224,220	0.20	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.07	6.44e-04	6.44e-04209,221,221			1.00	0.04	0.96
2106	5.03e-04	0.01	0.0 229,52,0	0.06	6.49e-03	8.49e-03204,224,224	0.18	204	0.87	0.06	0.94
	0.01	0.01	0.0 207,220,0	0.06	6.44e-04	6.44e-04204,221,221			1.00	0.04	0.96
2107	0.01	0.02	0.0 223,220,0	0.09	4.05e-03	8.37e-03209,223,220	0.23	209	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.09	9.66e-04	9.66e-04209,223,223			1.00	0.04	0.96
2108	6.88e-03	0.02	0.0 223,220,0	0.07	6.26e-03	8.37e-03209,224,220	0.20	209	0.87	0.06	0.94
	0.02	0.03	0.0 223,220,0	0.07	6.84e-04	6.84e-04209,207,207			1.00	0.04	0.96
2109	7.83e-04	0.01	0.0 223,52,0	0.06	6.26e-03	8.26e-03204,224,224	0.18	204	0.87	0.06	0.94
	0.01	0.01	0.0 225,226,0	0.06	6.84e-04	6.84e-04204,207,207			1.00	0.04	0.96
2110	0.01	0.02	0.0 223,220,0	0.09	3.83e-03	8.21e-03210,223,220	0.23	210	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.09	7.34e-04	7.34e-04210,218,218			1.00	0.04	0.96
2111	8.62e-03	0.02	0.0 223,220,0	0.07	6.00e-03	8.21e-03210,223,220	0.21	210	0.87	0.06	0.94
	0.02	0.03	0.0 223,226,0	0.07	8.41e-04	8.41e-04210,207,207			1.00	0.04	0.96
2112	2.74e-03	0.01	0.0 223,220,0	0.05	6.00e-03	8.17e-03204,223,220	0.18	204	0.87	0.06	0.94
	0.01	0.02	0.0 221,222,0	0.05	8.41e-04	8.41e-04204,207,207			1.00	0.04	0.96
2113	0.01	0.03	0.0 227,224,0	0.09	3.54e-03	8.11e-03210,223,224	0.23	210	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.09	2.40e-03	2.40e-03210,226,226			1.00	0.04	0.96
2114	0.01	0.03	0.0 223,220,0	0.08	5.51e-03	8.11e-03210,223,224	0.21	210	0.87	0.06	0.94
	0.02	0.03	0.0 209,226,0	0.08	2.40e-03	2.40e-03210,226,226			1.00	0.04	0.96
2115	6.24e-03	0.02	0.0 223,220,0	0.05	5.51e-03	7.93e-03204,223,220	0.17	204	0.87	0.06	0.94
	0.02	0.03	0.0 209,210,0	0.05	1.46e-03	1.46e-03204,210,210			1.00	0.04	0.96
2116	0.02	0.04	0.0 223,220,0	0.09	4.02e-03	8.95e-03210,222,224	0.23	210	0.87	0.06	0.94
	0.04	0.05	0.0 233,234,0	0.09	5.89e-03	5.89e-03210,226,226			1.00	0.04	0.96
2117	0.02	0.04	0.0 223,220,0	0.08	4.71e-03	8.95e-03210,223,224	0.22	210	0.87	0.06	0.94
	0.04	0.05	0.0 233,234,0	0.08	5.89e-03	5.89e-03210,226,226			1.00	0.04	0.96
2118	0.01	0.03	0.0 223,220,0	0.04	4.71e-03	7.55e-03207,223,220	0.16	207	0.87	0.06	0.94
	0.04	0.04	0.0 209,210,0	0.04	4.27e-03	4.27e-03207,226,226			1.00	0.04	0.96
2119	0.04	0.07	0.0 223,220,0	0.09	4.79e-03	0.01210,226,226	0.23	210	0.87	0.06	0.94
	0.06	0.07	0.0 217,218,0	0.09	6.17e-03	6.17e-03210,226,226			1.00	0.04	0.96
2120	0.04	0.07	0.0 223,220,0	0.09	4.95e-03	0.01210,223,226	0.23	210	0.87	0.06	0.94
	0.07	0.07	0.0 209,210,0	0.09	0.01	0.01210,226,226			1.00	0.04	0.96
2121	0.03	0.06	0.0 223,220,0	0.04	4.95e-03	0.01210,223,220	0.15	210	0.87	0.06	0.94
	0.07	0.07	0.0 209,210,0	0.04	0.01	0.01210,226,226			1.00	0.04	0.96
2122	0.06	0.10	0.0 223,220,0	0.09	0.03	0.05210,226,226	0.23	210	0.87	0.06	0.94
	0.07	0.08	0.0 209,210,0	0.09	0.02	0.02210,205,205			1.00	0.04	0.96
2123	0.06	0.10	0.0 225,220,0	0.09	0.03	0.05210,226,226	0.23	210	0.87	0.06	0.94
	0.08	0.08	0.0 209,210,0	0.09	0.02	0.02210,205,205			1.00	0.04	0.96
2124	0.06	0.09	0.0 225,226,0	0.04	0.03	0.05210,226,226	0.15	210	0.87	0.06	0.94
	0.08	0.08	0.0 209,210,0	0.04	0.02	0.02210,225,225			1.00	0.04	0.96
2125	0.06	0.10	0.0 223,220,0	0.06	0.03	0.05210,226,226	0.18	210	0.87	0.06	0.94
	0.07	0.08	0.0 209,210,0	0.06	0.02	0.02210,205,205			1.00	0.04	0.96
2126	0.06	0.10	0.0 225,220,0	0.06	0.03	0.05210,226,226	0.18	210	0.87	0.06	0.94
	0.08	0.08	0.0 209,210,0	0.06	0.02	0.02210,205,205			1.00	0.04	0.96
2127	0.06	0.09	0.0 225,226,0	7.33e-03	0.03	0.05210,226,226	0.07	210	0.87	0.06	0.94

	0.08	0.08	0.0	209,210,0	7.28e-03	0.02	0.02210,225,225		1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131	V. D.26			
	0.21	0.24	0.0		0.13	0.09	0.14	0.27			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
69	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2040	0.03	0.02	0.0	208,211,0	0.18	5.78e-03	6.79e-03	204,222,223	0.33	204	0.53	0.09	0.91
	0.06	0.08	0.0	229,230,0	0.18	0.02	0.02	204,226,226			1.00	0.04	0.96
2041	0.04	0.02	0.0	210,209,0	0.25	5.78e-03	6.79e-03	204,222,223	0.38	204	0.53	0.09	0.91
	0.07	0.12	0.0	225,226,0	0.25	0.02	0.02	204,226,226			1.00	0.04	0.96
2042	0.06	0.03	0.0	210,209,0	0.25	4.62e-03	7.32e-03	204,226,229	0.38	204	0.53	0.09	0.91
	0.11	0.25	0.0	223,220,0	0.25	0.04	0.04	204,226,226			1.00	0.04	0.96
2043	0.06	0.03	0.0	210,209,0	0.21	4.62e-03	7.32e-03	204,226,229	0.35	204	0.53	0.09	0.91
	0.11	0.25	0.0	223,220,0	0.21	0.04	0.04	204,226,226			1.00	0.04	0.96
2050	0.05	0.05	0.0	207,204,0	0.22	4.06e-03	9.03e-03	204,226,220	0.36	204	0.53	0.09	0.91
	0.07	0.06	0.0	207,204,0	0.22	8.01e-03	8.01e-03	204,225,225			1.00	0.04	0.96
2092	0.05	0.05	0.0	207,204,0	0.25	4.06e-03	9.03e-03	204,226,220	0.38	204	0.53	0.09	0.91
	0.07	0.06	0.0	207,204,0	0.25	8.01e-03	8.01e-03	204,225,225			1.00	0.04	0.96
2094	0.04	0.03	0.0	210,209,0	0.25	3.18e-03	5.46e-03	204,226,229	0.38	204	0.53	0.09	0.91
	0.04	0.04	0.0	223,220,0	0.25	8.23e-03	8.23e-03	204,221,221			1.00	0.04	0.96
2096	0.04	0.03	0.0	210,209,0	0.19	3.18e-03	5.46e-03	204,226,229	0.33	204	0.53	0.09	0.91
	7.68e-03	0.02	0.0	222,221,0	0.19	8.23e-03	8.23e-03	204,221,221			1.00	0.04	0.96
2128	0.04	0.02	0.0	210,209,0	0.26	5.78e-03	6.79e-03	204,222,223	0.39	204	0.53	0.09	0.91
	0.07	0.12	0.0	225,226,0	0.26	0.02	0.02	204,226,226			1.00	0.04	0.96
2129	0.03	0.02	0.0	208,211,0	0.19	5.78e-03	6.79e-03	204,222,223	0.34	204	0.53	0.09	0.91
	0.06	0.08	0.0	229,230,0	0.19	0.02	0.02	204,226,226			1.00	0.04	0.96
2130	0.06	0.03	0.0	210,209,0	0.26	4.62e-03	7.32e-03	204,226,229	0.39	204	0.53	0.09	0.91
	0.11	0.25	0.0	223,220,0	0.26	0.04	0.04	204,226,226			1.00	0.04	0.96
2131	0.03	0.02	0.0	210,209,0	0.21	1.18e-03	3.54e-03	204,234,229	0.35	204	0.53	0.09	0.91
	0.02	0.02	0.0	225,226,0	0.21	0.02	0.02	204,226,226			1.00	0.04	0.96
2132	0.05	0.05	0.0	207,204,0	0.26	4.06e-03	9.03e-03	204,226,220	0.39	204	0.53	0.09	0.91
	0.07	0.06	0.0	207,204,0	0.26	8.01e-03	8.01e-03	204,225,225			1.00	0.04	0.96
2133	0.05	0.05	0.0	207,204,0	0.22	4.06e-03	9.03e-03	204,226,220	0.36	204	0.53	0.09	0.91
	0.07	0.06	0.0	207,204,0	0.22	8.01e-03	8.01e-03	204,225,225			1.00	0.04	0.96
2134	0.04	0.03	0.0	210,209,0	0.26	3.18e-03	5.46e-03	204,226,229	0.39	204	0.53	0.09	0.91
	0.04	0.04	0.0	223,220,0	0.26	0.01	0.01	204,226,226			1.00	0.04	0.96
2135	0.03	0.02	0.0	210,209,0	0.19	1.18e-03	3.54e-03	204,234,229	0.34	204	0.53	0.09	0.91
	0.01	0.01	0.0	225,226,0	0.19	0.01	0.01	204,226,226			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131	V. D.26					
	0.11	0.25	0.0		0.26	0.04	0.04	0.39					

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
70	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.86	-161.4	178	0.45	-83.6	179	0.92	3912.5	-1.185e+06	232

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2136	0.09	0.12	0.0	232,235,0	0.19	2.44e-03	0.01	207,210,215	0.33	207	0.87	0.06	0.94
	8.87e-03	0.01	0.0	212,215,0	0.19	3.49e-03	3.49e-03	207,215,215			1.00	0.04	0.96
2137	0.09	0.12	0.0	232,235,0	0.19	2.44e-03	0.01	207,210,215	0.33	207	0.87	0.06	0.94
	0.04	0.03	0.0	216,219,0	0.19	0.01	0.01	207,219,219			1.00	0.04	0.96
2138	0.09	0.12	0.0	232,235,0	0.19	2.44e-03	0.01	207,210,215	0.33	207	0.87	0.06	0.94

	0.04	0.03	0.0 216,219,0	0.19	0.01	0.01207,219,219			1.00	0.04	0.96
2139	0.09	0.12	0.0 232,235,0	0.19	2.44e-03	0.01207,210,215	0.33	207	0.87	0.06	0.94
	8.87e-03	0.01	0.0 212,215,0	0.19	3.49e-03	3.49e-03207,215,215			1.00	0.04	0.96
2140	0.07	0.10	0.0 232,235,0	0.14	9.08e-04	0.01207,209,235	0.28	207	0.87	0.06	0.94
	0.04	0.03	0.0 216,219,0	0.14	0.01	0.01207,219,219			1.00	0.04	0.96
2141	0.07	0.10	0.0 232,235,0	0.14	1.46e-03	0.01207,230,235	0.28	207	0.87	0.06	0.94
	0.04	0.03	0.0 216,219,0	0.14	0.01	0.01207,219,219			1.00	0.04	0.96
2142	0.05	0.09	0.0 232,235,0	0.10	7.16e-04	0.01207,207,235	0.24	207	0.87	0.06	0.94
	0.03	0.03	0.0 212,215,0	0.10	0.01	0.01207,235,235			1.00	0.04	0.96
2143	0.05	0.09	0.0 232,235,0	0.10	1.23e-03	0.01207,232,235	0.24	207	0.87	0.06	0.94
	0.03	0.03	0.0 212,215,0	0.10	0.01	0.01207,235,235			1.00	0.04	0.96
2144	0.04	0.08	0.0 232,235,0	0.07	2.20e-03	9.09e-03211,216,235	0.20	211	0.87	0.06	0.94
	0.03	0.03	0.0 216,219,0	0.07	0.02	0.02211,235,235			1.00	0.04	0.96
2145	0.04	0.08	0.0 232,235,0	0.08	2.44e-03	9.09e-03207,232,235	0.22	207	0.87	0.06	0.94
	0.03	0.03	0.0 216,219,0	0.08	0.02	0.02207,235,235			1.00	0.04	0.96
2146	0.02	0.02	0.0 235,232,0	0.09	3.09e-03	4.23e-03206,230,228	0.23	206	0.87	0.06	0.94
	0.02	0.02	0.0 212,215,0	0.09	6.38e-03	6.38e-03206,219,219			1.00	0.04	0.96
2147	0.02	0.02	0.0 235,232,0	0.09	3.09e-03	4.23e-03210,230,228	0.22	210	0.87	0.06	0.94
	7.10e-03	5.67e-03	0.0 230,229,0	0.09	2.39e-03	2.39e-03210,219,219			1.00	0.04	0.96
2148	0.01	0.01	0.0 215,232,0	0.09	2.32e-03	4.39e-03207,230,230	0.24	207	0.87	0.06	0.94
	0.02	0.02	0.0 212,215,0	0.09	6.78e-03	6.78e-03207,219,219			1.00	0.04	0.96
2149	9.29e-03	0.01	0.0 230,229,0	0.09	1.53e-03	4.39e-03207,232,230	0.24	207	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	0.09	6.78e-03	6.78e-03207,219,219			1.00	0.04	0.96
2150	0.01	0.02	0.0 230,229,0	0.08	2.44e-03	5.65e-03207,232,229	0.22	207	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	0.08	6.37e-03	6.37e-03207,235,235			1.00	0.04	0.96
2151	7.42e-03	6.55e-03	0.0 230,235,0	0.09	4.21e-03	5.63e-03210,230,230	0.23	210	0.87	0.06	0.94
	0.01	0.01	0.0 232,235,0	0.09	2.71e-03	2.71e-03210,219,219			1.00	0.04	0.96
2152	7.19e-03	6.55e-03	0.0 232,235,0	0.09	4.21e-03	5.25e-03210,230,230	0.22	210	0.87	0.06	0.94
	9.69e-03	6.69e-03	0.0 210,209,0	0.09	8.08e-04	8.08e-04210,233,233			1.00	0.04	0.96
2153	0.01	8.31e-03	0.0 230,230,0	0.09	3.00e-03	5.63e-03210,230,230	0.23	210	0.87	0.06	0.94
	0.02	0.02	0.0 209,210,0	0.09	3.37e-03	3.37e-03210,219,219			1.00	0.04	0.96
2154	0.01	9.33e-03	0.0 230,230,0	0.09	1.82e-03	5.53e-03211,230,230	0.23	211	0.87	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.09	3.37e-03	3.37e-03211,219,219			1.00	0.04	0.96
2155	0.01	9.33e-03	0.0 230,230,0	0.08	1.74e-03	5.60e-03211,230,230	0.21	211	0.87	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.08	2.64e-03	2.64e-03211,215,215			1.00	0.04	0.96
2156	9.24e-03	6.66e-03	0.0 230,230,0	0.08	5.02e-03	6.26e-03210,230,229	0.22	210	0.87	0.06	0.94
	0.01	0.01	0.0 232,235,0	0.08	8.53e-04	8.53e-04210,230,230			1.00	0.04	0.96
2157	3.64e-03	2.99e-03	0.0 230,232,0	0.08	5.02e-03	5.97e-03210,230,229	0.22	210	0.87	0.06	0.94
	0.01	6.69e-03	0.0 210,209,0	0.08	8.11e-04	8.11e-04210,233,233			1.00	0.04	0.96
2158	0.01	9.37e-03	0.0 230,230,0	0.08	3.43e-03	6.26e-03210,230,229	0.22	210	0.87	0.06	0.94
	0.02	0.02	0.0 208,211,0	0.08	1.10e-03	1.10e-03210,215,215			1.00	0.04	0.96
2159	0.01	0.01	0.0 230,230,0	0.08	1.82e-03	6.05e-03211,230,230	0.22	211	0.87	0.06	0.94
	0.05	0.04	0.0 208,211,0	0.08	1.25e-03	1.25e-03211,215,215			1.00	0.04	0.96
2160	0.01	0.01	0.0 230,230,0	0.08	1.78e-03	6.08e-03206,230,230	0.21	206	0.87	0.06	0.94
	0.05	0.04	0.0 204,211,0	0.08	1.29e-03	1.29e-03206,219,219			1.00	0.04	0.96
2161	9.96e-03	7.24e-03	0.0 230,230,0	0.08	5.40e-03	6.63e-03210,230,230	0.22	210	0.87	0.06	0.94
	0.01	0.01	0.0 232,235,0	0.08	1.08e-03	1.08e-03210,229,229			1.00	0.04	0.96
2162	3.69e-03	2.72e-03	0.0 229,230,0	0.08	5.40e-03	6.63e-03210,230,230	0.22	210	0.87	0.06	0.94
	0.01	6.46e-03	0.0 210,209,0	0.08	8.27e-04	8.27e-04210,217,217			1.00	0.04	0.96
2163	0.01	0.01	0.0 230,230,0	0.08	3.72e-03	6.50e-03210,230,230	0.22	210	0.87	0.06	0.94
	0.02	0.02	0.0 208,211,0	0.08	1.17e-03	1.17e-03210,229,229			1.00	0.04	0.96
2164	0.02	0.01	0.0 230,230,0	0.08	1.91e-03	6.50e-03211,230,230	0.22	211	0.87	0.06	0.94
	0.06	0.04	0.0 204,207,0	0.08	1.17e-03	1.17e-03211,229,229			1.00	0.04	0.96
2165	0.02	0.01	0.0 230,230,0	0.07	1.86e-03	6.51e-03211,230,230	0.21	211	0.87	0.06	0.94
	0.07	0.05	0.0 204,207,0	0.07	1.01e-03	1.01e-03211,229,229			1.00	0.04	0.96
2166	0.01	7.54e-03	0.0 230,230,0	0.08	5.62e-03	6.88e-03210,230,229	0.22	210	0.87	0.06	0.94
	0.01	9.75e-03	0.0 207,231,0	0.08	1.08e-03	1.08e-03210,229,229			1.00	0.04	0.96
2167	3.90e-03	2.80e-03	0.0 230,229,0	0.08	5.62e-03	6.88e-03210,230,229	0.22	210	0.87	0.06	0.94
	0.01	5.73e-03	0.0 207,204,0	0.08	8.27e-04	8.27e-04210,217,217			1.00	0.04	0.96
2168	0.01	0.01	0.0 230,230,0	0.08	3.89e-03	6.76e-03211,230,234	0.22	211	0.87	0.06	0.94
	0.02	0.02	0.0 208,211,0	0.08	1.26e-03	1.26e-03211,231,231			1.00	0.04	0.96
2169	0.02	0.01	0.0 230,230,0	0.08	2.03e-03	6.76e-03211,230,234	0.22	211	0.87	0.06	0.94
	0.07	0.05	0.0 204,207,0	0.08	1.27e-03	1.27e-03211,231,231			1.00	0.04	0.96
2170	0.02	0.01	0.0 230,230,0	0.07	1.93e-03	6.83e-03211,230,230	0.21	211	0.87	0.06	0.94
	0.08	0.05	0.0 204,207,0	0.07	1.27e-03	1.27e-03211,231,231			1.00	0.04	0.96
2171	0.01	7.80e-03	0.0 229,229,0	0.08	5.76e-03	6.88e-03210,233,229	0.21	210	0.87	0.06	0.94
	0.01	7.16e-03	0.0 207,204,0	0.08	1.02e-03	1.02e-03210,235,235			1.00	0.04	0.96
2172	4.03e-03	2.89e-03	0.0 229,229,0	0.08	5.76e-03	6.88e-03210,233,229	0.21	210	0.87	0.06	0.94
	0.01	7.16e-03	0.0 207,204,0	0.08	9.08e-04	9.08e-04210,212,212			1.00	0.04	0.96
2173	0.01	0.01	0.0 229,229,0	0.08	4.00e-03	7.03e-03211,229,230	0.22	211	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.08	1.26e-03	1.26e-03211,231,231			1.00	0.04	0.96
2174	0.02	0.01	0.0 229,230,0	0.08	2.08e-03	7.03e-03211,229,230	0.22	211	0.87	0.06	0.94
	0.08	0.05	0.0 204,207,0	0.08	1.28e-03	1.28e-03211,231,231			1.00	0.04	0.96
2175	0.02	0.01	0.0 229,230,0	0.08	1.95e-03	7.01e-03211,229,229	0.21	211	0.87	0.06	0.94
	0.10	0.06	0.0 204,207,0	0.08	1.28e-03	1.28e-03211,231,231			1.00	0.04	0.96

2176	0.01	7.80e-03	0.0	229,229,0	0.08	5.93e-03	7.11e-03210,231,228	0.21	210	0.87	0.06	0.94
	0.01	7.16e-03	0.0	207,204,0	0.08	9.08e-04	9.08e-04210,212,212			1.00	0.04	0.96
2177	4.03e-03	2.89e-03	0.0	229,229,0	0.08	5.93e-03	7.11e-03210,231,228	0.21	210	0.87	0.06	0.94
	0.01	7.16e-03	0.0	207,204,0	0.08	9.08e-04	9.08e-04210,212,212			1.00	0.04	0.96
2178	0.01	0.01	0.0	229,229,0	0.08	4.00e-03	7.03e-03211,229,230	0.21	211	0.87	0.06	0.94
	0.01	0.01	0.0	204,207,0	0.08	1.16e-03	1.16e-03211,231,231			1.00	0.04	0.96
2179	0.02	0.01	0.0	229,230,0	0.08	2.11e-03	7.03e-03211,229,230	0.22	211	0.87	0.06	0.94
	0.09	0.06	0.0	204,207,0	0.08	1.28e-03	1.28e-03211,231,231			1.00	0.04	0.96
2180	0.02	0.01	0.0	229,230,0	0.08	1.95e-03	7.01e-03211,229,229	0.22	211	0.87	0.06	0.94
	0.12	0.08	0.0	204,207,0	0.08	1.28e-03	1.28e-03211,231,231			1.00	0.04	0.96
2181	0.01	8.33e-03	0.0	228,231,0	0.07	5.99e-03	8.17e-03210,231,231	0.21	210	0.87	0.06	0.94
	0.01	5.79e-03	0.0	206,205,0	0.07	6.97e-04	6.97e-04210,210,210			1.00	0.04	0.96
2182	4.18e-03	3.09e-03	0.0	228,231,0	0.07	5.99e-03	7.37e-03210,231,231	0.21	210	0.87	0.06	0.94
	0.01	5.79e-03	0.0	206,205,0	0.07	6.97e-04	6.97e-04210,210,210			1.00	0.04	0.96
2183	0.02	0.01	0.0	228,231,0	0.07	4.41e-03	8.17e-03211,231,231	0.21	211	0.87	0.06	0.94
	7.08e-03	5.40e-03	0.0	204,207,0	0.07	7.41e-04	7.41e-04211,231,231			1.00	0.04	0.96
2184	0.02	0.01	0.0	232,235,0	0.08	2.28e-03	7.63e-03211,235,231	0.22	211	0.87	0.06	0.94
	0.11	0.07	0.0	205,206,0	0.08	1.22e-03	1.22e-03211,231,231			1.00	0.04	0.96
2185	0.02	0.01	0.0	232,235,0	0.08	2.11e-03	7.64e-03211,231,231	0.22	211	0.87	0.06	0.94
	0.14	0.09	0.0	208,211,0	0.08	1.22e-03	1.22e-03211,231,231			1.00	0.04	0.96
2186	0.04	0.03	0.0	205,206,0	0.07	5.99e-03	8.53e-03210,231,230	0.21	210	0.87	0.06	0.94
	0.01	6.37e-03	0.0	206,207,0	0.07	5.76e-04	5.76e-04210,207,207			1.00	0.04	0.96
2187	0.01	0.01	0.0	205,206,0	0.07	5.99e-03	7.37e-03210,231,231	0.21	210	0.87	0.06	0.94
	0.01	5.79e-03	0.0	206,205,0	0.07	5.76e-04	5.76e-04210,207,207			1.00	0.04	0.96
2188	0.06	0.05	0.0	205,206,0	0.07	4.41e-03	0.01211,231,234	0.20	211	0.87	0.06	0.94
	0.02	0.01	0.0	206,205,0	0.07	4.85e-04	4.85e-04211,230,230			1.00	0.04	0.96
2189	0.09	0.08	0.0	205,206,0	0.08	2.92e-03	0.01211,228,230	0.22	211	0.87	0.06	0.94
	0.12	0.08	0.0	205,206,0	0.08	2.40e-03	2.40e-03211,230,230			1.00	0.04	0.96
2190	0.09	0.08	0.0	205,206,0	0.08	5.50e-03	0.01211,228,230	0.22	211	0.87	0.06	0.94
	0.17	0.11	0.0	208,211,0	0.08	2.40e-03	2.40e-03211,230,230			1.00	0.04	0.96
2191	0.04	0.03	0.0	205,206,0	0.03	5.90e-03	8.53e-03209,231,230	0.14	209	0.87	0.06	0.94
	9.50e-03	6.37e-03	0.0	204,207,0	0.03	4.66e-04	4.66e-04209,216,216			1.00	0.04	0.96
2192	0.01	0.01	0.0	205,206,0	0.03	5.90e-03	7.29e-03209,231,228	0.13	209	0.87	0.06	0.94
	9.18e-03	5.48e-03	0.0	207,204,0	0.03	4.66e-04	4.66e-04209,216,216			1.00	0.04	0.96
2193	0.06	0.05	0.0	205,206,0	0.04	4.41e-03	0.01211,231,234	0.15	211	0.87	0.06	0.94
	0.02	0.01	0.0	206,205,0	0.04	4.85e-04	4.85e-04211,230,230			1.00	0.04	0.96
2194	0.09	0.08	0.0	205,206,0	0.08	2.92e-03	0.01208,228,230	0.21	208	0.87	0.06	0.94
	0.12	0.08	0.0	205,206,0	0.08	2.40e-03	2.40e-03208,230,230			1.00	0.04	0.96
2195	0.09	0.08	0.0	205,206,0	0.08	5.50e-03	0.01208,228,230	0.21	208	0.87	0.06	0.94
	0.17	0.11	0.0	208,211,0	0.08	2.40e-03	2.40e-03208,230,230			1.00	0.04	0.96
2196	0.03	0.07	0.0	232,235,0	0.04	0.02	0.03206,230,229	0.15	206	0.87	0.06	0.94
	0.05	0.04	0.0	210,209,0	0.04	0.02	0.02206,235,235			1.00	0.04	0.96
2197	0.03	0.07	0.0	232,235,0	0.07	0.02	0.03207,230,229	0.20	207	0.87	0.06	0.94
	0.05	0.04	0.0	230,209,0	0.07	0.02	0.02207,235,235			1.00	0.04	0.96
2198	0.03	0.06	0.0	230,235,0	0.03	0.02	0.03210,230,229	0.14	210	0.87	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.03	0.02	0.02210,230,230			1.00	0.04	0.96
2199	0.03	0.06	0.0	230,235,0	0.06	0.02	0.03206,230,229	0.19	206	0.87	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.06	0.02	0.02206,230,230			1.00	0.04	0.96
2200	0.03	0.06	0.0	230,229,0	4.54e-03	0.02	0.03210,230,229	0.05	210	0.87	0.06	0.94
	0.07	0.05	0.0	210,209,0	4.54e-03	0.02	0.02210,230,230			1.00	0.04	0.96
2201	0.03	0.06	0.0	230,229,0	0.03	0.02	0.03207,230,229	0.13	207	0.87	0.06	0.94
	0.07	0.05	0.0	210,209,0	0.03	0.02	0.02207,230,230			1.00	0.04	0.96
2202	0.01	0.02	0.0	230,229,0	0.07	3.54e-03	7.02e-03207,230,229	0.20	207	0.87	0.06	0.94
	0.05	0.03	0.0	230,229,0	0.07	5.13e-03	5.13e-03207,229,229			1.00	0.04	0.96
2203	0.01	0.02	0.0	230,229,0	0.06	4.80e-03	7.02e-03206,228,229	0.19	206	0.87	0.06	0.94
	0.06	0.03	0.0	210,209,0	0.06	8.18e-03	8.18e-03206,230,230			1.00	0.04	0.96
2204	8.75e-03	0.02	0.0	230,229,0	0.03	4.80e-03	5.52e-03207,228,231	0.13	207	0.87	0.06	0.94
	0.06	0.03	0.0	210,209,0	0.03	8.18e-03	8.18e-03207,230,230			1.00	0.04	0.96
2205	0.01	9.06e-03	0.0	230,230,0	0.06	3.47e-03	6.19e-03206,230,230	0.19	206	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.06	4.31e-03	4.31e-03206,230,230			1.00	0.04	0.96
2206	7.82e-03	7.83e-03	0.0	230,230,0	0.05	4.75e-03	6.19e-03211,230,230	0.17	211	0.87	0.06	0.94
	0.03	0.02	0.0	210,209,0	0.05	4.31e-03	4.31e-03211,230,230			1.00	0.04	0.96
2207	2.52e-03	5.18e-03	0.0	230,59,0	0.03	4.75e-03	5.83e-03207,230,230	0.12	207	0.87	0.06	0.94
	0.03	0.02	0.0	210,209,0	0.03	3.14e-03	3.14e-03207,230,230			1.00	0.04	0.96
2208	0.01	9.55e-03	0.0	230,230,0	0.06	3.50e-03	6.67e-03206,230,230	0.18	206	0.87	0.06	0.94
	0.05	0.04	0.0	204,207,0	0.06	1.84e-03	1.84e-03206,232,232			1.00	0.04	0.96
2209	9.08e-03	7.15e-03	0.0	230,230,0	0.04	5.48e-03	6.71e-03206,230,230	0.16	206	0.87	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.04	1.84e-03	1.84e-03206,232,232			1.00	0.04	0.96
2210	3.32e-03	3.34e-03	0.0	229,229,0	0.03	5.48e-03	6.71e-03207,230,230	0.12	207	0.87	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.03	1.36e-03	1.36e-03207,206,206			1.00	0.04	0.96
2211	0.01	0.01	0.0	230,230,0	0.05	3.81e-03	7.23e-03206,230,230	0.18	206	0.87	0.06	0.94
	0.07	0.05	0.0	204,207,0	0.05	8.44e-04	8.44e-04206,229,229			1.00	0.04	0.96
2212	0.01	7.56e-03	0.0	230,230,0	0.04	5.95e-03	7.25e-03206,230,230	0.15	206	0.87	0.06	0.94
	0.02	0.01	0.0	208,211,0	0.04	6.77e-04	6.77e-04206,231,231			1.00	0.04	0.96
2213	3.74e-03	3.04e-03	0.0	229,230,0	0.03	5.95e-03	7.25e-03207,230,230	0.12	207	0.87	0.06	0.94

	0.01	9.77e-03	0.0	210,209,0	0.03	6.77e-04	6.77e-04	207,231,231		1.00	0.04	0.96	
2214	0.01	0.01	0.0	229,230,0	0.05	4.03e-03	7.63e-03	206,230,230	0.17	206	0.87	0.06	0.94
	0.08	0.05	0.0	204,207,0	0.05	1.09e-03	1.09e-03	206,233,233			1.00	0.04	0.96
2215	0.01	7.92e-03	0.0	230,230,0	0.04	6.25e-03	7.63e-03	206,230,230	0.15	206	0.87	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.04	6.90e-04	6.90e-04	206,233,233			1.00	0.04	0.96
2216	4.02e-03	3.05e-03	0.0	229,230,0	0.02	6.25e-03	7.62e-03	207,230,230	0.12	207	0.87	0.06	0.94
	8.56e-03	6.59e-03	0.0	230,229,0	0.02	6.77e-04	6.77e-04	207,231,231			1.00	0.04	0.96
2217	0.02	0.01	0.0	229,230,0	0.05	4.14e-03	7.88e-03	206,229,229	0.17	206	0.87	0.06	0.94
	0.10	0.06	0.0	204,207,0	0.05	1.09e-03	1.09e-03	206,233,233			1.00	0.04	0.96
2218	0.01	8.26e-03	0.0	229,230,0	0.03	6.50e-03	7.93e-03	206,229,230	0.14	206	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.03	6.90e-04	6.90e-04	206,233,233			1.00	0.04	0.96
2219	4.38e-03	3.36e-03	0.0	229,230,0	0.02	6.50e-03	7.93e-03	211,229,230	0.12	211	0.87	0.06	0.94
	7.59e-03	6.23e-03	0.0	220,223,0	0.02	6.60e-04	6.60e-04	211,229,229			1.00	0.04	0.96
2220	0.02	0.01	0.0	229,230,0	0.04	4.22e-03	7.88e-03	206,229,229	0.16	206	0.87	0.06	0.94
	0.12	0.08	0.0	204,207,0	0.04	1.04e-03	1.04e-03	206,231,231			1.00	0.04	0.96
2221	0.01	8.26e-03	0.0	229,230,0	0.03	6.50e-03	7.93e-03	206,229,230	0.13	206	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	0.03	6.21e-04	6.21e-04	206,211,211			1.00	0.04	0.96
2222	4.38e-03	3.41e-03	0.0	229,228,0	0.02	6.50e-03	7.93e-03	211,229,230	0.11	211	0.87	0.06	0.94
	0.01	8.47e-03	0.0	204,207,0	0.02	6.21e-04	6.21e-04	211,211,211			1.00	0.04	0.96
2223	0.02	0.01	0.0	228,231,0	0.04	4.52e-03	8.84e-03	206,235,235	0.15	206	0.87	0.06	0.94
	0.14	0.09	0.0	208,211,0	0.04	1.01e-03	1.01e-03	206,230,230			1.00	0.04	0.96
2224	0.02	0.01	0.0	228,211,0	0.03	6.53e-03	8.84e-03	206,231,235	0.13	206	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	0.03	1.01e-03	1.01e-03	206,230,230			1.00	0.04	0.96
2225	0.02	0.01	0.0	208,211,0	0.02	6.53e-03	8.73e-03	206,231,231	0.11	206	0.87	0.06	0.94
	0.02	0.01	0.0	204,207,0	0.02	6.44e-04	6.44e-04	206,210,210			1.00	0.04	0.96
2226	0.06	0.05	0.0	205,206,0	0.03	5.50e-03	0.01	211,228,230	0.13	211	0.87	0.06	0.94
	0.17	0.11	0.0	208,211,0	0.03	1.64e-03	1.64e-03	211,230,230			1.00	0.04	0.96
2227	0.04	0.03	0.0	205,206,0	0.03	6.53e-03	8.90e-03	211,231,230	0.13	211	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	0.03	1.44e-03	1.44e-03	211,228,228			1.00	0.04	0.96
2228	0.02	0.02	0.0	208,211,0	0.02	6.53e-03	8.73e-03	206,231,231	0.10	206	0.87	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.02	1.24e-03	1.24e-03	206,232,232			1.00	0.04	0.96
2229	0.06	0.05	0.0	205,206,0	0.03	5.50e-03	0.01	211,228,230	0.13	211	0.87	0.06	0.94
	0.17	0.11	0.0	208,211,0	0.03	1.64e-03	1.64e-03	211,230,230			1.00	0.04	0.96
2230	0.04	0.03	0.0	205,206,0	0.03	5.41e-03	8.90e-03	211,228,230	0.13	211	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	0.03	1.44e-03	1.44e-03	211,228,228			1.00	0.04	0.96
2231	0.02	0.02	0.0	208,211,0	0.02	5.32e-03	7.42e-03	206,235,235	0.10	206	0.87	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.02	1.24e-03	1.24e-03	206,232,232			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.17	0.12	0.0		0.19	0.02	0.03		0.33				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
71	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.79	-145.9	175	0.26	-48.6	175	0.73	-1.002e+04	3.046e+06	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
401	0.03	0.15	0.0	234,52,0	0.17	4.43e-03	0.02	207,52,52	0.32	207	0.87	0.06	0.94
	0.02	9.29e-03	0.0	215,212,0	0.17	4.94e-03	4.94e-03	207,215,215			1.00	0.04	0.96
2232	3.45e-03	0.15	0.0	234,52,0	0.14	4.43e-03	0.02	52,52,52	0.28	52	0.87	0.06	0.94
	3.79e-03	6.05e-03	0.0	233,234,0	0.14	4.43e-03	4.43e-03	206,226,226			1.00	0.04	0.96
2233	0.01	0.18	0.0	230,52,0	0.14	4.43e-03	0.02	52,52,52	0.28	52	0.87	0.06	0.94
	0.01	6.05e-03	0.0	207,234,0	0.14	4.43e-03	4.43e-03	206,226,226			1.00	0.04	0.96
2234	0.03	0.18	0.0	234,52,0	0.17	4.43e-03	0.02	207,52,52	0.32	207	0.87	0.06	0.94
	0.04	0.02	0.0	215,212,0	0.17	9.25e-03	9.25e-03	207,215,215			1.00	0.04	0.96
2236	0.02	0.19	0.0	230,52,0	0.06	2.21e-03	0.02	209,204,52	0.18	209	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	0.06	2.81e-03	2.81e-03	209,212,212			1.00	0.04	0.96
2237	0.02	0.19	0.0	230,52,0	0.13	2.21e-03	0.02	207,204,52	0.27	207	0.87	0.06	0.94
	0.04	0.02	0.0	215,212,0	0.13	9.25e-03	9.25e-03	207,215,215			1.00	0.04	0.96
2238	0.03	0.20	0.0	230,229,0	0.06	2.98e-03	0.03	209,229,229	0.18	209	0.87	0.06	0.94
	0.06	0.05	0.0	210,209,0	0.06	9.09e-03	9.09e-03	209,220,220			1.00	0.04	0.96
2239	0.03	0.20	0.0	230,229,0	0.10	2.98e-03	0.03	207,229,229	0.24	207	0.87	0.06	0.94
	0.06	0.05	0.0	210,209,0	0.10	0.01	0.01	207,229,229			1.00	0.04	0.96
2240	0.03	0.20	0.0	230,229,0	0.06	2.98e-03	0.03	209,229,229	0.18	209	0.87	0.06	0.94
	0.08	0.05	0.0	230,229,0	0.06	0.02	0.02	209,232,232			1.00	0.04	0.96
2241	0.03	0.20	0.0	230,229,0	0.07	2.98e-03	0.03	207,229,229	0.21	207	0.87	0.06	0.94
	0.08	0.05	0.0	230,229,0	0.07	0.02	0.02	207,232,232			1.00	0.04	0.96

2242	0.0	0.16	0.0	0,52,0	0.02	0.02	0.04205,232,235	0.11	205	0.0	0.0	0.0
	0.10	0.08	0.0	208,211,0	0.02	0.02	0.02205,232,232			1.00	0.04	0.96
2243	0.01	0.16	0.0	230,52,0	0.02	0.02	0.04205,232,235	0.11	205	0.87	0.06	0.94
	0.10	0.08	0.0	208,211,0	0.02	0.02	0.02205,232,232			1.00	0.04	0.96
2244	0.0	0.15	0.0	0,52,0	0.02	0.02	0.04205,232,235	0.11	205	0.0	0.0	0.0
	0.10	0.08	0.0	208,211,0	0.02	0.04	0.04205,228,228			1.00	0.04	0.96
2245	0.02	0.15	0.0	230,52,0	0.02	0.02	0.04205,232,235	0.11	205	0.87	0.06	0.94
	0.10	0.08	0.0	208,211,0	0.02	0.04	0.04205,228,228			1.00	0.04	0.96
2246	0.0	0.11	0.0	0,52,0	2.11e-03	0.02	0.04208,232,235	0.03	208	0.0	0.0	0.0
	0.07	0.06	0.0	204,207,0	2.11e-03	0.04	0.04208,228,228			1.00	0.04	0.96
2247	0.02	0.11	0.0	230,52,0	2.30e-03	0.02	0.04206,232,235	0.04	206	0.87	0.06	0.94
	0.07	0.06	0.0	204,207,0	2.30e-03	0.04	0.04206,228,228			1.00	0.04	0.96
2256	0.03	0.12	0.0	234,233,0	0.17	2.87e-03	0.01 207,52,52	0.32	207	0.87	0.06	0.94
	0.04	0.02	0.0	215,212,0	0.17	9.25e-03	9.25e-03207,215,215			1.00	0.04	0.96
2257	0.03	0.12	0.0	234,233,0	0.17	2.87e-03	0.01 207,52,52	0.32	207	0.87	0.06	0.94
	0.02	9.29e-03	0.0	215,212,0	0.17	4.94e-03	4.94e-03207,215,215			1.00	0.04	0.96
2258	0.02	0.10	0.0	230,229,0	0.13	1.21e-03	0.01207,204,52	0.27	207	0.87	0.06	0.94
	0.04	0.02	0.0	215,212,0	0.13	9.25e-03	9.25e-03207,215,215			1.00	0.04	0.96
2259	0.01	0.10	0.0	230,52,0	0.10	1.27e-03	0.01207,211,52	0.24	207	0.87	0.06	0.94
	0.05	0.05	0.0	210,209,0	0.10	0.01	0.01207,229,229			1.00	0.04	0.96
2260	5.82e-03	0.10	0.0	230,52,0	0.07	2.98e-03	0.01207,229,52	0.21	207	0.87	0.06	0.94
	0.06	0.05	0.0	230,209,0	0.07	0.02	0.02207,235,235			1.00	0.04	0.96
2261	0.01	0.02	0.0	235,232,0	0.09	3.04e-03	5.35e-03207,234,230	0.23	207	0.87	0.06	0.94
	0.01	0.01	0.0	207,217,0	0.09	4.86e-03	4.86e-03207,215,215			1.00	0.04	0.96
2262	0.01	0.02	0.0	235,232,0	0.08	3.04e-03	5.35e-03211,234,230	0.22	211	0.87	0.06	0.94
	0.01	6.14e-03	0.0	207,204,0	0.08	2.36e-03	2.36e-03211,215,215			1.00	0.04	0.96
2263	6.57e-03	0.02	0.0	230,52,0	0.09	1.95e-03	3.84e-03207,234,228	0.23	207	0.87	0.06	0.94
	0.01	0.01	0.0	218,217,0	0.09	5.13e-03	5.13e-03207,235,235			1.00	0.04	0.96
2264	6.74e-03	0.02	0.0	228,52,0	0.09	1.48e-03	4.05e-03207,220,228	0.23	207	0.87	0.06	0.94
	0.02	0.02	0.0	218,209,0	0.09	5.99e-03	5.99e-03207,229,229			1.00	0.04	0.96
2265	6.74e-03	0.02	0.0	228,52,0	0.07	2.98e-03	6.46e-03207,229,229	0.21	207	0.87	0.06	0.94
	0.04	0.02	0.0	204,207,0	0.07	5.99e-03	5.99e-03207,229,229			1.00	0.04	0.96
2266	6.35e-03	5.96e-03	0.0	234,233,0	0.08	3.54e-03	4.74e-03207,234,230	0.22	207	0.87	0.06	0.94
	0.02	7.21e-03	0.0	207,204,0	0.08	1.72e-03	1.72e-03207,215,215			1.00	0.04	0.96
2267	5.54e-03	5.96e-03	0.0	234,233,0	0.08	3.54e-03	4.46e-03207,234,234	0.22	207	0.87	0.06	0.94
	0.02	7.21e-03	0.0	207,204,0	0.08	1.05e-03	1.05e-03207,216,216			1.00	0.04	0.96
2268	8.77e-03	7.16e-03	0.0	230,230,0	0.08	2.51e-03	4.74e-03207,230,230	0.22	207	0.87	0.06	0.94
	9.84e-03	0.01	0.0	228,231,0	0.08	1.98e-03	1.98e-03207,219,219			1.00	0.04	0.96
2269	9.70e-03	8.47e-03	0.0	234,234,0	0.08	1.49e-03	4.48e-03207,228,234	0.22	207	0.87	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.08	1.98e-03	1.98e-03207,219,219			1.00	0.04	0.96
2270	9.70e-03	9.08e-03	0.0	234,228,0	0.07	1.48e-03	4.68e-03207,230,228	0.20	207	0.87	0.06	0.94
	0.06	0.03	0.0	204,207,0	0.07	1.54e-03	1.54e-03207,209,209			1.00	0.04	0.96
2271	7.42e-03	5.36e-03	0.0	230,230,0	0.08	4.02e-03	5.05e-03207,230,232	0.21	207	0.87	0.06	0.94
	0.02	9.46e-03	0.0	207,204,0	0.08	9.52e-04	9.52e-04207,225,225			1.00	0.04	0.96
2272	3.06e-03	2.87e-03	0.0	233,234,0	0.08	4.02e-03	4.71e-03207,230,229	0.21	207	0.87	0.06	0.94
	0.02	9.46e-03	0.0	207,204,0	0.08	9.52e-04	9.52e-04207,225,225			1.00	0.04	0.96
2273	0.01	7.63e-03	0.0	230,230,0	0.08	2.76e-03	5.05e-03207,230,232	0.21	207	0.87	0.06	0.94
	9.84e-03	0.01	0.0	228,231,0	0.08	1.12e-03	1.12e-03207,234,234			1.00	0.04	0.96
2274	0.01	8.44e-03	0.0	230,230,0	0.08	1.49e-03	4.83e-03207,228,234	0.21	207	0.87	0.06	0.94
	0.06	0.03	0.0	204,207,0	0.08	1.12e-03	1.12e-03207,234,234			1.00	0.04	0.96
2275	0.01	8.44e-03	0.0	230,230,0	0.06	1.49e-03	4.90e-03207,230,234	0.19	207	0.87	0.06	0.94
	0.09	0.05	0.0	204,207,0	0.06	9.59e-04	9.59e-04207,234,234			1.00	0.04	0.96
2276	7.84e-03	5.65e-03	0.0	234,234,0	0.07	4.22e-03	5.41e-03207,234,228	0.21	207	0.87	0.06	0.94
	0.02	0.01	0.0	211,208,0	0.07	9.32e-04	9.32e-04207,231,231			1.00	0.04	0.96
2277	3.03e-03	2.19e-03	0.0	230,229,0	0.07	4.22e-03	5.18e-03207,234,234	0.21	207	0.87	0.06	0.94
	0.02	0.01	0.0	211,208,0	0.07	8.70e-04	8.70e-04207,207,207			1.00	0.04	0.96
2278	0.01	7.97e-03	0.0	230,230,0	0.07	2.93e-03	5.41e-03207,230,228	0.21	207	0.87	0.06	0.94
	8.86e-03	8.55e-03	0.0	204,231,0	0.07	1.14e-03	1.14e-03207,233,233			1.00	0.04	0.96
2279	0.01	8.81e-03	0.0	230,232,0	0.07	1.48e-03	5.10e-03207,230,230	0.21	207	0.87	0.06	0.94
	0.08	0.04	0.0	204,207,0	0.07	1.14e-03	1.14e-03207,233,233			1.00	0.04	0.96
2280	0.01	8.81e-03	0.0	230,232,0	0.06	1.49e-03	5.12e-03207,230,230	0.19	207	0.87	0.06	0.94
	0.12	0.06	0.0	204,207,0	0.06	1.08e-03	1.08e-03207,233,233			1.00	0.04	0.96
2281	8.30e-03	5.98e-03	0.0	226,228,0	0.07	4.43e-03	5.75e-03207,220,228	0.21	207	0.87	0.06	0.94
	0.02	0.01	0.0	211,208,0	0.07	9.24e-04	9.24e-04207,231,231			1.00	0.04	0.96
2282	3.10e-03	2.23e-03	0.0	234,220,0	0.07	4.43e-03	5.45e-03207,220,220	0.21	207	0.87	0.06	0.94
	0.02	0.01	0.0	211,208,0	0.07	8.70e-04	8.70e-04207,207,207			1.00	0.04	0.96
2283	0.01	8.33e-03	0.0	222,222,0	0.07	3.06e-03	5.75e-03207,230,228	0.21	207	0.87	0.06	0.94
	8.86e-03	7.55e-03	0.0	204,219,0	0.07	1.14e-03	1.14e-03207,233,233			1.00	0.04	0.96
2284	0.01	9.67e-03	0.0	223,220,0	0.07	1.56e-03	5.35e-03207,234,230	0.21	207	0.87	0.06	0.94
	0.11	0.06	0.0	204,207,0	0.07	1.15e-03	1.15e-03207,233,233			1.00	0.04	0.96
2285	0.01	9.67e-03	0.0	223,220,0	0.06	1.51e-03	5.36e-03207,228,226	0.19	207	0.87	0.06	0.94
	0.15	0.08	0.0	204,207,0	0.06	1.15e-03	1.15e-03207,233,233			1.00	0.04	0.96
2286	9.09e-03	6.62e-03	0.0	220,223,0	0.07	4.78e-03	6.39e-03204,223,223	0.21	204	0.87	0.06	0.94
	0.02	0.01	0.0	207,204,0	0.07	6.59e-04	6.59e-04204,231,231			1.00	0.04	0.96
2287	3.31e-03	2.38e-03	0.0	223,220,0	0.07	4.78e-03	5.45e-03204,223,220	0.21	204	0.87	0.06	0.94

	0.02	0.01	0.0 207,204,0	0.07	6.34e-04	6.34e-04204,225,225			1.00	0.04	0.96
2288	0.01	9.46e-03	0.0 220,223,0	0.07	3.42e-03	6.39e-03207,225,223	0.20	207	0.87	0.06	0.94
	8.72e-03	5.40e-03	0.0 204,215,0	0.07	1.00e-03	1.00e-03207,231,231			1.00	0.04	0.96
2289	0.01	0.01	0.0 220,223,0	0.07	1.72e-03	5.88e-03207,221,225	0.20	207	0.87	0.06	0.94
	0.13	0.07	0.0 204,207,0	0.07	1.15e-03	1.15e-03207,233,233			1.00	0.04	0.96
2290	0.01	0.01	0.0 220,223,0	0.07	1.58e-03	5.78e-03204,223,226	0.20	204	0.87	0.06	0.94
	0.18	0.10	0.0 204,207,0	0.07	1.15e-03	1.15e-03204,233,233			1.00	0.04	0.96
2291	9.81e-03	7.00e-03	0.0 223,220,0	0.08	5.07e-03	6.39e-03204,223,223	0.21	204	0.87	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.08	8.82e-04	8.82e-04204,205,205			1.00	0.04	0.96
2292	3.56e-03	2.55e-03	0.0 223,223,0	0.08	5.07e-03	5.07e-03204,223,223	0.21	204	0.87	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.08	8.82e-04	8.82e-04204,205,205			1.00	0.04	0.96
2293	0.01	0.01	0.0 223,220,0	0.07	3.79e-03	6.85e-03204,223,220	0.20	204	0.87	0.06	0.94
	0.01	7.52e-03	0.0 222,225,0	0.07	9.31e-04	9.31e-04204,220,220			1.00	0.04	0.96
2294	0.02	0.01	0.0 223,220,0	0.08	2.23e-03	6.85e-03204,225,220	0.22	204	0.87	0.06	0.94
	0.16	0.09	0.0 204,207,0	0.08	1.03e-03	1.03e-03204,235,235			1.00	0.04	0.96
2295	0.02	0.01	0.0 223,220,0	0.08	1.75e-03	6.53e-03204,223,226	0.22	204	0.87	0.06	0.94
	0.23	0.13	0.0 204,207,0	0.08	1.03e-03	1.03e-03204,235,235			1.00	0.04	0.96
2296	0.04	0.03	0.0 204,207,0	0.08	5.44e-03	9.31e-03204,221,223	0.21	204	0.87	0.06	0.94
	0.02	0.01	0.0 207,205,0	0.08	8.82e-04	8.82e-04204,205,205			1.00	0.04	0.96
2297	0.01	0.01	0.0 204,207,0	0.08	5.44e-03	7.08e-03204,221,223	0.21	204	0.87	0.06	0.94
	0.02	0.01	0.0 207,205,0	0.08	8.82e-04	8.82e-04204,205,205			1.00	0.04	0.96
2298	0.07	0.05	0.0 204,207,0	0.07	4.24e-03	0.01204,225,223	0.20	204	0.87	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.07	9.31e-04	9.31e-04204,220,220			1.00	0.04	0.96
2299	0.10	0.08	0.0 204,207,0	0.09	3.16e-03	0.01204,220,223	0.23	204	0.87	0.06	0.94
	0.19	0.11	0.0 204,207,0	0.09	3.06e-03	3.06e-03204,220,220			1.00	0.04	0.96
2300	0.10	0.08	0.0 204,207,0	0.09	4.80e-03	0.01204,220,223	0.23	204	0.87	0.06	0.94
	0.27	0.16	0.0 204,207,0	0.09	3.06e-03	3.06e-03204,220,220			1.00	0.04	0.96
2301	0.04	0.03	0.0 204,207,0	0.03	5.44e-03	9.31e-03204,221,223	0.14	204	0.87	0.06	0.94
	0.02	0.01	0.0 206,205,0	0.03	4.30e-04	4.30e-04204,213,213			1.00	0.04	0.96
2302	0.01	0.01	0.0 204,207,0	0.03	5.44e-03	7.08e-03204,221,223	0.14	204	0.87	0.06	0.94
	0.02	0.01	0.0 206,205,0	0.03	4.30e-04	4.30e-04204,213,213			1.00	0.04	0.96
2303	0.07	0.05	0.0 204,207,0	0.04	4.24e-03	0.01204,225,223	0.15	204	0.87	0.06	0.94
	0.03	0.02	0.0 207,204,0	0.04	7.23e-04	7.23e-04204,220,220			1.00	0.04	0.96
2304	0.10	0.08	0.0 204,207,0	0.09	3.16e-03	0.01204,220,223	0.23	204	0.87	0.06	0.94
	0.19	0.11	0.0 204,207,0	0.09	3.06e-03	3.06e-03204,220,220			1.00	0.04	0.96
2305	0.10	0.08	0.0 204,207,0	0.09	4.80e-03	0.01204,220,223	0.23	204	0.87	0.06	0.94
	0.27	0.16	0.0 204,207,0	0.09	3.06e-03	3.06e-03204,220,220			1.00	0.04	0.96
2306	0.01	0.09	0.0 230,52,0	0.03	0.02	0.03207,232,235	0.14	207	0.87	0.06	0.94
	0.06	0.04	0.0 230,229,0	0.03	0.02	0.02207,235,235			1.00	0.04	0.96
2307	0.02	0.08	0.0 230,52,0	0.03	0.02	0.03207,232,235	0.13	207	0.87	0.06	0.94
	0.05	0.03	0.0 228,229,0	0.03	0.03	0.03207,232,232			1.00	0.04	0.96
2308	0.02	0.07	0.0 230,229,0	0.01	0.02	0.03207,232,235	0.09	207	0.87	0.06	0.94
	0.04	0.03	0.0 230,229,0	0.01	0.03	0.03207,232,232			1.00	0.04	0.96
2309	7.02e-03	0.03	0.0 230,52,0	0.03	2.98e-03	6.46e-03207,229,229	0.14	207	0.87	0.06	0.94
	0.04	0.02	0.0 224,207,0	0.03	3.41e-03	3.41e-03207,204,204			1.00	0.04	0.96
2310	7.02e-03	0.03	0.0 230,52,0	0.03	5.56e-03	7.85e-03207,228,231	0.13	207	0.87	0.06	0.94
	0.04	0.02	0.0 224,227,0	0.03	3.33e-03	3.33e-03207,232,232			1.00	0.04	0.96
2311	3.55e-03	0.02	0.0 230,52,0	0.01	5.56e-03	7.85e-03207,228,231	0.09	207	0.87	0.06	0.94
	0.03	0.01	0.0 230,229,0	0.01	3.33e-03	3.33e-03207,232,232			1.00	0.04	0.96
2312	8.63e-03	9.08e-03	0.0 234,228,0	0.03	2.87e-03	5.43e-03207,228,228	0.13	207	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.03	3.19e-03	3.19e-03207,229,229			1.00	0.04	0.96
2313	5.79e-03	9.23e-03	0.0 234,59,0	0.02	3.84e-03	5.43e-03207,228,228	0.11	207	0.87	0.06	0.94
	0.04	0.02	0.0 204,207,0	0.02	3.19e-03	3.19e-03207,229,229			1.00	0.04	0.96
2314	1.19e-03	9.23e-03	0.0 234,59,0	0.01	3.84e-03	4.81e-03207,228,228	0.08	207	0.87	0.06	0.94
	0.01	3.55e-03	0.0 230,229,0	0.01	1.88e-03	1.88e-03207,232,232			1.00	0.04	0.96
2315	9.69e-03	7.97e-03	0.0 234,228,0	0.03	2.79e-03	5.28e-03207,234,234	0.13	207	0.87	0.06	0.94
	0.09	0.05	0.0 204,207,0	0.03	1.45e-03	1.45e-03207,235,235			1.00	0.04	0.96
2316	6.82e-03	5.95e-03	0.0 234,228,0	0.02	4.22e-03	5.28e-03207,234,234	0.10	207	0.87	0.06	0.94
	0.05	0.02	0.0 204,207,0	0.02	1.45e-03	1.45e-03207,235,235			1.00	0.04	0.96
2317	2.08e-03	3.51e-03	0.0 234,59,0	0.01	4.22e-03	5.20e-03207,234,234	0.08	207	0.87	0.06	0.94
	7.48e-03	1.50e-03	0.0 49,223,0	0.01	6.52e-04	6.52e-04207,209,209			1.00	0.04	0.96
2318	0.01	8.31e-03	0.0 230,232,0	0.03	2.98e-03	5.65e-03207,230,230	0.12	207	0.87	0.06	0.94
	0.12	0.06	0.0 204,207,0	0.03	8.98e-04	8.98e-04207,233,233			1.00	0.04	0.96
2319	7.74e-03	6.06e-03	0.0 230,232,0	0.01	4.59e-03	5.65e-03207,230,230	0.09	207	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.01	6.57e-04	6.57e-04207,235,235			1.00	0.04	0.96
2320	2.77e-03	2.60e-03	0.0 230,234,0	9.26e-03	4.59e-03	5.61e-03207,230,230	0.07	207	0.87	0.06	0.94
	6.10e-03	3.24e-03	0.0 204,207,0	9.26e-03	6.57e-04	6.57e-04207,235,235			1.00	0.04	0.96
2321	0.01	8.89e-03	0.0 223,220,0	0.02	3.13e-03	5.95e-03207,230,222	0.12	207	0.87	0.06	0.94
	0.15	0.08	0.0 204,207,0	0.02	1.04e-03	1.04e-03207,229,229			1.00	0.04	0.96
2322	8.33e-03	6.33e-03	0.0 230,220,0	0.01	4.87e-03	5.96e-03207,230,222	0.09	207	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.01	6.57e-04	6.57e-04207,235,235			1.00	0.04	0.96
2323	3.28e-03	2.60e-03	0.0 221,222,0	8.41e-03	4.87e-03	5.96e-03207,230,222	0.07	207	0.87	0.06	0.94
	6.72e-03	4.79e-03	0.0 204,207,0	8.41e-03	6.57e-04	6.57e-04207,235,235			1.00	0.04	0.96
2324	0.01	9.41e-03	0.0 223,220,0	0.02	3.41e-03	6.52e-03207,225,226	0.11	207	0.87	0.06	0.94
	0.18	0.10	0.0 204,207,0	0.02	1.04e-03	1.04e-03207,229,229			1.00	0.04	0.96

2325	9.29e-03	6.92e-03	0.0	225,226,0	0.01	5.39e-03	6.61e-03	03207,222,222	0.08	207	0.87	0.06	0.94
	0.07	0.04	0.0	204,207,0	0.01	6.49e-04	6.49e-04	04207,233,233			1.00	0.04	0.96
2326	3.94e-03	3.09e-03	0.0	223,220,0	7.48e-03	5.39e-03	6.61e-03	03207,222,222	0.07	207	0.87	0.06	0.94
	6.72e-03	4.79e-03	0.0	204,207,0	7.48e-03	6.07e-04	6.07e-04	04207,235,235			1.00	0.04	0.96
2327	0.02	0.01	0.0	221,223,0	0.02	4.06e-03	7.93e-03	03207,223,227	0.10	207	0.87	0.06	0.94
	0.23	0.13	0.0	204,207,0	0.02	1.12e-03	1.12e-03	03207,220,220			1.00	0.04	0.96
2328	0.02	0.01	0.0	220,223,0	8.42e-03	5.85e-03	7.93e-03	03207,221,227	0.07	207	0.87	0.06	0.94
	0.07	0.04	0.0	204,207,0	8.42e-03	1.12e-03	1.12e-03	03207,220,220			1.00	0.04	0.96
2329	0.01	0.01	0.0	204,207,0	6.53e-03	5.85e-03	7.66e-03	03207,221,227	0.06	207	0.87	0.06	0.94
	3.05e-03	3.66e-03	0.0	204,207,0	6.53e-03	4.33e-04	4.33e-04	04207,219,219			1.00	0.04	0.96
2330	0.06	0.05	0.0	208,211,0	0.01	5.00e-03	0.01	207,220,223	0.08	207	0.87	0.06	0.94
	0.27	0.16	0.0	204,207,0	0.01	2.59e-03	2.59e-03	03207,220,220			1.00	0.04	0.96
2331	0.04	0.03	0.0	205,211,0	6.58e-03	5.85e-03	9.86e-03	03207,221,222	0.06	207	0.87	0.06	0.94
	0.06	0.04	0.0	204,207,0	6.58e-03	1.12e-03	1.12e-03	03207,220,220			1.00	0.04	0.96
2332	0.02	0.02	0.0	204,207,0	5.60e-03	5.85e-03	7.66e-03	03207,221,227	0.06	207	0.87	0.06	0.94
	6.37e-03	6.11e-03	0.0	204,207,0	5.60e-03	7.01e-04	7.01e-04	04207,228,228			1.00	0.04	0.96
2333	0.06	0.05	0.0	208,211,0	7.23e-03	5.00e-03	0.01	207,220,223	0.07	207	0.87	0.06	0.94
	0.27	0.16	0.0	204,207,0	7.22e-03	2.59e-03	2.59e-03	03207,220,220			1.00	0.04	0.96
2334	0.04	0.03	0.0	205,211,0	6.58e-03	5.77e-03	9.86e-03	03207,221,222	0.06	207	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	6.58e-03	7.01e-04	7.01e-04	04207,228,228			1.00	0.04	0.96
2335	0.02	0.02	0.0	204,207,0	5.60e-03	5.77e-03	7.57e-03	03207,221,227	0.06	207	0.87	0.06	0.94
	6.37e-03	6.11e-03	0.0	204,207,0	5.60e-03	7.01e-04	7.01e-04	04207,228,228			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.27	0.20	0.0		0.17	0.04	0.04		0.32				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
72	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.0	kN 0.0	0	0.0	kN 0.0	0	0.0	kN 0.0	kN m 0.0	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2195	0.08	0.06	0.0	208,211,0	0.21	3.59e-03	9.40e-03	03208,228,211	0.35	208	0.53	0.09	0.91
	0.12	0.08	0.0	205,206,0	0.21	7.82e-03	7.82e-03	03208,230,230					
2229	0.08	0.06	0.0	208,211,0	0.22	3.59e-03	9.40e-03	03208,228,211	0.36	208	0.53	0.09	0.91
	0.12	0.08	0.0	205,206,0	0.22	7.82e-03	7.82e-03	03208,230,230					
2230	0.02	0.02	0.0	204,207,0	0.22	2.18e-03	4.32e-03	03208,232,231	0.36	208	0.53	0.09	0.91
	0.08	0.05	0.0	209,210,0	0.22	8.27e-03	8.27e-03	03208,229,229					
2231	0.02	0.02	0.0	204,207,0	0.17	2.18e-03	4.32e-03	03208,232,231	0.32	208	0.53	0.09	0.91
	0.03	0.03	0.0	205,206,0	0.17	8.27e-03	8.27e-03	03208,229,229					
2240	0.03	0.02	0.0	230,229,0	0.22	4.74e-03	7.65e-03	03209,228,235	0.36	209	0.53	0.09	0.91
	0.06	0.09	0.0	230,229,0	0.22	0.01	0.01	209,232,232					
2242	0.03	0.02	0.0	208,211,0	0.23	4.74e-03	7.65e-03	03205,228,235	0.37	205	0.53	0.09	0.91
	0.06	0.09	0.0	230,235,0	0.23	0.01	0.01	205,232,232					
2244	0.03	0.02	0.0	208,211,0	0.23	3.13e-03	5.74e-03	03205,232,231	0.37	205	0.53	0.09	0.91
	0.05	0.20	0.0	204,207,0	0.23	0.02	0.02	205,232,232					
2246	0.03	0.02	0.0	208,211,0	0.18	3.13e-03	5.74e-03	03204,232,231	0.33	204	0.53	0.09	0.91
	0.05	0.20	0.0	204,207,0	0.18	0.02	0.02	204,232,232					
2248	0.08	0.06	0.0	208,211,0	0.24	3.59e-03	9.40e-03	03205,228,211	0.37	205	0.53	0.09	0.91
	0.12	0.08	0.0	205,206,0	0.24	7.82e-03	7.82e-03	03205,230,230					
2249	0.08	0.06	0.0	208,211,0	0.21	3.59e-03	9.40e-03	03208,228,211	0.35	208	0.53	0.09	0.91
	0.12	0.08	0.0	205,206,0	0.21	7.82e-03	7.82e-03	03208,230,230					
2250	0.02	0.02	0.0	204,207,0	0.24	2.18e-03	4.32e-03	03205,232,231	0.37	205	0.53	0.09	0.91
	0.08	0.05	0.0	209,210,0	0.24	9.09e-03	9.09e-03	03205,232,232					
2251	0.02	0.01	0.0	204,207,0	0.19	6.58e-04	2.66e-03	03205,233,231	0.33	205	0.53	0.09	0.91
	0.01	7.12e-03	0.0	228,231,0	0.19	9.09e-03	9.09e-03	03205,232,232					
2252	0.04	0.02	0.0	204,211,0	0.24	4.74e-03	7.65e-03	03205,228,235	0.37	205	0.53	0.09	0.91
	0.06	0.09	0.0	230,235,0	0.24	0.01	0.01	205,232,232					
2253	0.04	0.02	0.0	204,207,0	0.22	4.74e-03	7.65e-03	03209,228,235	0.36	209	0.53	0.09	0.91
	0.06	0.09	0.0	230,229,0	0.22	0.01	0.01	209,232,232					
2254	0.03	0.02	0.0	208,211,0	0.24	3.13e-03	5.74e-03	03205,232,231	0.37	205	0.53	0.09	0.91
	0.05	0.20	0.0	204,207,0	0.24	0.02	0.02	205,232,232					
2255	0.02	0.01	0.0	204,207,0	0.19	8.26e-04	2.66e-03	03205,228,231	0.33	205	0.53	0.09	0.91
	0.01	0.01	0.0	232,235,0	0.19	0.01	0.01	205,232,232					
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.12	0.20	0.0		0.24	0.02	0.02		0.37				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
73	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3518	0.07	0.06	0.0	207,204,0	0.04	9.52e-03	0.02	207,18,18	0.16	207	0.36	0.13	0.87
	0.12	0.09	0.0	210,209,0	0.04	9.79e-03	9.79e-03	207,19,19			1.00	0.04	0.96
3519	0.02	0.02	0.0	209,210,0	0.04	5.38e-03	7.63e-03	207,21,18	0.15	207	0.36	0.13	0.87
	0.12	0.09	0.0	210,209,0	0.04	9.93e-03	9.93e-03	207,19,19			1.00	0.04	0.96
3520	0.07	0.06	0.0	207,204,0	0.04	9.52e-03	0.02	207,18,18	0.16	207	0.36	0.13	0.87
	0.10	0.07	0.0	210,209,0	0.04	9.79e-03	9.79e-03	207,19,19			1.00	0.04	0.96
3532	0.02	0.01	0.0	207,204,0	0.06	3.79e-03	6.68e-03	204,19,21	0.18	204	0.36	0.13	0.87
	0.16	0.09	0.0	204,207,0	0.06	0.04	0.04	204,22,22			1.00	0.04	0.96
3533	0.01	0.02	0.0	221,222,0	0.06	5.98e-03	0.01	204,19,16	0.18	204	0.36	0.13	0.87
	0.16	0.09	0.0	204,207,0	0.06	0.04	0.04	204,22,22			1.00	0.04	0.96
3536	0.01	0.02	0.0	221,222,0	0.04	5.98e-03	0.01	204,19,16	0.16	204	0.36	0.13	0.87
	0.12	0.08	0.0	209,210,0	0.04	0.02	0.02	204,19,19			1.00	0.04	0.96
4170	0.02	0.02	0.0	209,210,0	0.05	1.18e-03	6.34e-03	207,18,19	0.17	207	0.36	0.13	0.87
	3.94e-03	2.84e-03	0.0	209,210,0	0.05	9.93e-03	9.93e-03	207,19,19			1.00	0.04	0.96
4171	0.07	0.06	0.0	207,204,0	0.05	9.52e-03	0.02	207,18,18	0.17	207	0.36	0.13	0.87
	0.12	0.09	0.0	210,209,0	0.05	9.93e-03	9.93e-03	207,19,19			1.00	0.04	0.96
4172	9.69e-03	7.32e-03	0.0	229,230,0	0.06	4.44e-03	7.90e-03	204,19,19	0.18	204	0.36	0.13	0.87
	1.75e-03	1.26e-03	0.0	209,210,0	0.06	1.56e-03	1.56e-03	204,18,18			1.00	0.04	0.96
4173	0.04	0.04	0.0	207,204,0	0.06	4.44e-03	0.02	204,19,18	0.18	204	0.36	0.13	0.87
	0.04	0.02	0.0	210,209,0	0.06	1.56e-03	1.56e-03	204,18,18			1.00	0.04	0.96
5433	0.02	0.01	0.0	207,204,0	0.06	4.44e-03	7.90e-03	204,19,19	0.18	204	0.36	0.13	0.87
	0.01	7.96e-03	0.0	18,19,0	0.06	0.01	0.01	204,19,19			1.00	0.04	0.96
5434	0.02	0.02	0.0	207,18,0	0.06	5.98e-03	0.02	204,19,18	0.18	204	0.36	0.13	0.87
	0.16	0.09	0.0	204,207,0	0.06	0.04	0.04	204,22,22			1.00	0.04	0.96
5435	0.07	0.06	0.0	207,204,0	0.04	9.52e-03	0.02	207,18,18	0.16	207	0.36	0.13	0.87
	0.10	0.07	0.0	210,209,0	0.04	9.79e-03	9.79e-03	207,19,19			1.00	0.04	0.96
5436	0.04	0.04	0.0	207,204,0	0.04	4.23e-03	0.02	207,18,18	0.15	207	0.36	0.13	0.87
	0.04	0.02	0.0	210,209,0	0.04	6.23e-04	6.23e-04	207,18,18			1.00	0.04	0.96
5449	0.01	0.02	0.0	221,18,0	0.04	5.98e-03	0.02	204,19,18	0.16	204	0.36	0.13	0.87
	0.12	0.08	0.0	209,210,0	0.04	0.02	0.02	204,19,19			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.16	0.09	0.0		0.06	0.04	0.04		0.18				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
74	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4169	0.06	0.04	0.0	18,19,0	2.63e-03	5.49e-03	0.01	207,19,224	0.04	207	0.53	0.09	0.91
	6.12e-03	4.30e-03	0.0	18,19,0	2.63e-03	1.07e-03	1.07e-03	207,18,18			1.00	0.04	0.96
5006	0.02	0.01	0.0	228,231,0	5.71e-03	0.03	0.03	207,18,18	0.06	207	0.53	0.09	0.91
	0.04	0.03	0.0	209,210,0	5.71e-03	9.67e-03	9.67e-03	207,18,18			1.00	0.04	0.96
5013	0.02	0.01	0.0	228,231,0	5.71e-03	0.03	0.03	207,18,18	0.06	207	0.53	0.09	0.91
	0.04	0.03	0.0	209,210,0	5.71e-03	9.67e-03	9.67e-03	207,18,18			1.00	0.04	0.96
5014	0.01	6.41e-03	0.0	223,220,0	3.24e-03	0.01	0.01	207,19,19	0.04	207	0.53	0.09	0.91
	0.02	0.04	0.0	209,59,0	3.24e-03	0.01	0.01	207,19,19			1.00	0.04	0.96
5015	6.27e-03	3.53e-03	0.0	18,220,0	2.63e-03	0.01	0.01	207,19,19	0.04	207	0.53	0.09	0.91
	5.30e-03	0.04	0.0	229,59,0	2.63e-03	0.01	0.01	207,18,18			1.00	0.04	0.96
5243	0.04	0.03	0.0	18,19,0	5.71e-03	0.03	0.03	207,18,18	0.06	207	0.53	0.09	0.91

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2683 DI 2790

	0.04	0.03	0.0	209,210,0	5.71e-03	9.67e-03	9.67e-03	207,18,18		1.00	0.04	0.96	
5247	0.06	0.03	0.0	18,19,0	2.86e-03	0.02	0.02	207,19,19	0.04	207	0.53	0.09	0.91
	8.88e-03	5.91e-03	0.0	210,209,0	2.85e-03	3.49e-03	3.49e-03	207,18,18		1.00	0.04	0.96	
5251	0.06	0.04	0.0	18,19,0	2.26e-03	9.66e-03	0.01	207,19,231	0.04	207	0.53	0.09	0.91
	3.82e-03	2.39e-03	0.0	221,222,0	2.26e-03	2.67e-03	2.67e-03	207,19,19		1.00	0.04	0.96	
5252	0.04	0.03	0.0	18,19,0	5.71e-03	0.03	0.03	207,18,18	0.06	207	0.53	0.09	0.91
	0.04	0.03	0.0	209,210,0	5.71e-03	9.67e-03	9.67e-03	207,18,18		1.00	0.04	0.96	
5253	0.02	0.02	0.0	18,19,0	3.24e-03	0.01	0.01	207,19,19	0.04	207	0.53	0.09	0.91
	0.02	0.04	0.0	209,59,0	3.24e-03	0.01	0.01	207,18,18		1.00	0.04	0.96	
5254	7.55e-03	5.70e-03	0.0	17,20,0	2.73e-03	3.46e-03	6.15e-03	207,223,20	0.04	207	0.53	0.09	0.91
	6.33e-03	6.75e-03	0.0	21,230,0	2.73e-03	0.01	0.01	207,18,18		1.00	0.04	0.96	
5255	0.06	0.03	0.0	18,19,0	3.08e-03	0.02	0.02	207,19,19	0.04	207	0.53	0.09	0.91
	0.01	8.02e-03	0.0	18,16,0	3.08e-03	3.49e-03	3.49e-03	207,18,18		1.00	0.04	0.96	
5256	0.03	0.02	0.0	18,19,0	3.08e-03	8.82e-03	0.01	207,18,220	0.04	207	0.53	0.09	0.91
	0.01	8.02e-03	0.0	18,16,0	3.08e-03	8.10e-03	8.10e-03	207,19,19		1.00	0.04	0.96	
5257	8.62e-03	6.77e-03	0.0	17,16,0	2.73e-03	2.49e-03	8.75e-03	207,15,16	0.04	207	0.53	0.09	0.91
	8.67e-03	6.33e-03	0.0	22,19,0	2.73e-03	8.10e-03	8.10e-03	207,19,19		1.00	0.04	0.96	
5258	0.06	0.04	0.0	18,19,0	2.93e-03	9.66e-03	0.01	207,19,231	0.04	207	0.53	0.09	0.91
	0.01	7.94e-03	0.0	18,19,0	2.93e-03	2.67e-03	2.67e-03	207,19,19		1.00	0.04	0.96	
5259	0.03	0.02	0.0	18,19,0	2.93e-03	3.92e-03	0.01	207,18,220	0.04	207	0.53	0.09	0.91
	0.01	7.94e-03	0.0	18,19,0	2.93e-03	8.10e-03	8.10e-03	207,19,19		1.00	0.04	0.96	
5260	9.60e-03	7.79e-03	0.0	19,18,0	2.50e-03	2.49e-03	8.75e-03	207,15,16	0.04	207	0.53	0.09	0.91
	8.67e-03	6.33e-03	0.0	22,19,0	2.50e-03	8.10e-03	8.10e-03	207,19,19		1.00	0.04	0.96	
5267	0.03	0.01	0.0	223,220,0	2.77e-03	0.02	0.02	204,19,19	0.04	204	0.53	0.09	0.91
	0.07	0.06	0.0	19,18,0	2.78e-03	0.06	0.06	204,19,19		1.00	0.04	0.96	
5273	0.03	0.01	0.0	223,220,0	2.77e-03	0.02	0.02	204,19,19	0.04	204	0.53	0.09	0.91
	0.14	0.10	0.0	19,18,0	2.78e-03	0.06	0.06	204,19,19		1.00	0.04	0.96	
5275	4.85e-03	1.54e-03	0.0	17,20,0	2.20e-03	3.23e-03	3.59e-03	204,222,222	0.04	204	0.53	0.09	0.91
	0.14	0.10	0.0	19,18,0	2.20e-03	0.07	0.07	204,19,19		1.00	0.04	0.96	
5277	6.07e-03	5.32e-03	0.0	22,15,0	1.63e-03	3.23e-03	6.64e-03	204,222,15	0.03	204	0.53	0.09	0.91
	0.09	0.08	0.0	19,18,0	1.63e-03	0.07	0.07	204,19,19		1.00	0.04	0.96	
5450	0.06	0.03	0.0	18,19,0	2.07e-03	0.01	0.02	207,17,220	0.03	207	0.53	0.09	0.91
	0.01	0.01	0.0	19,18,0	2.07e-03	2.75e-03	2.75e-03	207,19,19		1.00	0.04	0.96	
5451	0.05	0.03	0.0	18,19,0	2.77e-03	0.02	0.02	204,19,19	0.04	204	0.53	0.09	0.91
	0.14	0.10	0.0	19,18,0	2.78e-03	0.06	0.06	204,19,19		1.00	0.04	0.96	
5452	0.03	0.02	0.0	18,19,0	2.63e-03	5.49e-03	0.01	207,19,224	0.04	207	0.53	0.09	0.91
	6.12e-03	4.30e-03	0.0	18,19,0	2.63e-03	5.01e-03	5.01e-03	207,19,19		1.00	0.04	0.96	
5453	0.03	0.02	0.0	18,19,0	2.07e-03	0.01	0.01	207,17,224	0.03	207	0.53	0.09	0.91
	0.01	0.01	0.0	19,18,0	2.07e-03	7.51e-03	7.51e-03	207,19,19		1.00	0.04	0.96	
5454	0.01	7.70e-03	0.0	18,224,0	2.20e-03	0.01	0.01	204,17,224	0.04	204	0.53	0.09	0.91
	0.14	0.10	0.0	19,18,0	2.20e-03	0.07	0.07	204,19,19		1.00	0.04	0.96	
5455	9.60e-03	7.79e-03	0.0	19,18,0	2.13e-03	2.83e-03	9.59e-03	207,19,18	0.04	207	0.53	0.09	0.91
	4.35e-03	3.46e-03	0.0	22,15,0	2.13e-03	5.01e-03	5.01e-03	207,19,19		1.00	0.04	0.96	
5456	9.01e-03	7.46e-03	0.0	21,18,0	1.63e-03	5.26e-03	9.59e-03	204,16,18	0.03	204	0.53	0.09	0.91
	0.01	7.82e-03	0.0	20,15,0	1.63e-03	7.51e-03	7.51e-03	204,19,19		1.00	0.04	0.96	
5469	6.17e-03	5.32e-03	0.0	221,15,0	1.63e-03	5.26e-03	8.41e-03	204,16,18	0.03	204	0.53	0.09	0.91
	0.03	0.02	0.0	19,18,0	1.63e-03	0.04	0.04	204,19,19		1.00	0.04	0.96	
5489	0.06	0.04	0.0	18,19,0	1.67e-03	2.74e-03	6.22e-03	207,19,204	0.03	207	0.53	0.09	0.91
	3.25e-03	1.93e-03	0.0	207,204,0	1.67e-03	1.07e-03	1.07e-03	207,18,18		1.00	0.04	0.96	
5502	0.06	0.03	0.0	18,19,0	1.28e-03	6.61e-03	0.02	207,18,220	0.03	207	0.53	0.09	0.91
	0.01	8.49e-03	0.0	204,207,0	1.28e-03	2.75e-03	2.75e-03	207,19,19		1.00	0.04	0.96	
5512	0.05	0.03	0.0	18,19,0	2.77e-03	0.02	0.02	204,19,19	0.04	204	0.53	0.09	0.91
	0.07	0.06	0.0	19,18,0	2.78e-03	0.06	0.06	204,19,19		1.00	0.04	0.96	

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.14 0.10 0.0 5.71e-03 0.07 0.07 0.06

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
75	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.0 kN 0 0.0 kN 0 0.0 kN 0.0 kN m 0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2305	0.15	0.10	0.0	204,207,0	0.13	4.33e-03	0.01	204,220,207	0.28	204	0.53	0.09	0.91
	0.13	0.08	0.0	204,207,0	0.13	8.13e-03	8.13e-03	204,223,223			1.00	0.04	0.96
2333	0.15	0.10	0.0	204,207,0	0.15	4.33e-03	0.01	204,220,207	0.29	204	0.53	0.09	0.91
	0.13	0.08	0.0	204,207,0	0.15	8.13e-03	8.13e-03	204,223,223			1.00	0.04	0.96

2334	0.01	0.01	0.0 204,207,0	0.15	4.29e-04	1.42e-03	204,205,223	0.29	204	0.53	0.09	0.91
	0.09	0.05	0.0 205,206,0	0.15	0.01	0.01	204,221,221			1.00	0.04	0.96
2335	0.01	0.01	0.0 204,207,0	0.14	6.82e-04	1.54e-03	204,213,205	0.29	204	0.53	0.09	0.91
	0.05	0.04	0.0 209,210,0	0.14	0.01	0.01	204,221,221			1.00	0.04	0.96
2344	0.07	0.04	0.0 208,211,0	0.09	2.55e-03	8.99e-03	204,227,222	0.23	204	0.53	0.09	0.91
	0.04	0.04	0.0 209,230,0	0.09	6.30e-03	6.30e-03	204,220,220			1.00	0.04	0.96
2345	0.03	0.02	0.0 204,210,0	0.09	9.38e-03	9.38e-03	209,220,220	0.23	209	0.53	0.09	0.91
	0.05	0.17	0.0 230,229,0	0.09	6.30e-03	6.30e-03	209,220,220			1.00	0.04	0.96
2350	5.48e-03	2.63e-03	0.0 222,220,0	0.09	9.38e-03	9.38e-03	209,220,220	0.23	209	0.53	0.09	0.91
	0.05	0.17	0.0 230,229,0	0.09	3.28e-03	3.28e-03	209,51,51			1.00	0.04	0.96
2351	0.07	0.04	0.0 208,211,0	0.19	2.55e-03	8.99e-03	204,227,222	0.34	204	0.53	0.09	0.91
	0.05	0.04	0.0 209,230,0	0.19	6.30e-03	6.30e-03	204,220,220			1.00	0.04	0.96
2352	0.03	0.03	0.0 204,207,0	0.19	9.38e-03	9.38e-03	204,220,220	0.34	204	0.53	0.09	0.91
	0.05	0.26	0.0 230,52,0	0.19	0.06	0.06	204,220,220			1.00	0.04	0.96
2353	0.01	0.01	0.0 204,207,0	0.19	2.62e-03	6.52e-03	204,220,222	0.34	204	0.53	0.09	0.91
	0.05	0.04	0.0 209,230,0	0.19	0.02	0.02	204,220,220			1.00	0.04	0.96
2354	0.06	0.06	0.0 204,207,0	0.19	0.01	0.02	204,220,222	0.34	204	0.53	0.09	0.91
	0.05	0.62	0.0 209,52,0	0.19	0.06	0.06	204,220,220			1.00	0.04	0.96
2355	0.01	0.01	0.0 204,207,0	0.19	2.62e-03	6.52e-03	204,220,222	0.34	204	0.53	0.09	0.91
	0.03	0.01	0.0 222,204,0	0.19	0.02	0.02	204,220,220			1.00	0.04	0.96
2356	0.01	0.01	0.0 204,207,0	0.19	2.08e-03	6.52e-03	204,226,222	0.34	204	0.53	0.09	0.91
	0.03	0.05	0.0 222,204,0	0.19	0.04	0.04	204,220,220			1.00	0.04	0.96
2357	0.03	0.03	0.0 204,207,0	0.13	9.38e-03	9.38e-03	208,220,220	0.28	208	0.53	0.09	0.91
	0.05	0.26	0.0 230,52,0	0.13	0.06	0.06	208,220,220			1.00	0.04	0.96
2358	0.06	0.06	0.0 204,207,0	0.13	0.01	0.02	208,220,222	0.28	208	0.53	0.09	0.91
	0.0	0.62	0.0 0,52,0	0.13	0.06	0.06	208,220,220			0.0	0.0	0.0
2359	0.06	0.06	0.0 204,207,0	0.09	0.01	0.02	204,220,222	0.23	204	0.53	0.09	0.91
	0.03	0.62	0.0 222,52,0	0.09	0.05	0.05	204,220,220			1.00	0.04	0.96
2360	0.15	0.10	0.0 204,207,0	0.17	4.33e-03	0.01	204,220,207	0.32	204	0.53	0.09	0.91
	0.13	0.08	0.0 204,207,0	0.17	8.13e-03	8.13e-03	204,223,223			1.00	0.04	0.96
2361	0.15	0.10	0.0 204,207,0	0.13	4.33e-03	0.01	204,220,207	0.28	204	0.53	0.09	0.91
	0.13	0.08	0.0 204,207,0	0.13	8.13e-03	8.13e-03	204,223,223			1.00	0.04	0.96
2362	0.01	0.01	0.0 204,207,0	0.17	1.10e-03	2.36e-03	204,204,51	0.32	204	0.53	0.09	0.91
	0.09	0.05	0.0 205,206,0	0.17	0.01	0.01	204,221,221			1.00	0.04	0.96
2363	5.54e-03	7.04e-03	0.0 204,207,0	0.17	1.10e-03	2.36e-03	204,204,51	0.32	204	0.53	0.09	0.91
	8.93e-03	5.38e-03	0.0 205,231,0	0.17	4.96e-03	4.96e-03	204,221,221			1.00	0.04	0.96
2364	0.11	0.07	0.0 204,207,0	0.18	1.86e-03	0.01	204,220,223	0.33	204	0.53	0.09	0.91
	0.03	0.02	0.0 211,208,0	0.18	2.17e-03	2.17e-03	204,220,220			1.00	0.04	0.96
2365	0.11	0.07	0.0 204,207,0	0.10	1.86e-03	0.01	204,220,223	0.24	204	0.53	0.09	0.91
	0.03	0.02	0.0 211,208,0	0.10	2.17e-03	2.17e-03	204,220,220			1.00	0.04	0.96
2366	0.01	0.01	0.0 204,207,0	0.18	2.62e-03	5.02e-03	204,220,226	0.33	204	0.53	0.09	0.91
	0.01	6.55e-03	0.0 231,228,0	0.18	2.24e-03	2.24e-03	204,221,221			1.00	0.04	0.96
2367	7.78e-03	9.43e-03	0.0 204,207,0	0.18	2.62e-03	5.02e-03	204,220,226	0.32	204	0.53	0.09	0.91
	4.81e-03	2.59e-03	0.0 209,231,0	0.18	2.24e-03	2.24e-03	204,221,221			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.62	0.0	0.19	0.06	0.06	0.34

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
76	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.61	23.2	172	0.21	7.8	177	0.95	3939.8	4.692e+05	226

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2368	0.09	0.12	0.0 226,225,0		0.05	2.05e-03	0.01	213,212,225	0.17	213	0.87	0.06	0.94
	8.93e-03	0.01	0.0 217,217,0		0.05	3.26e-03	3.26e-03	213,217,217			1.00	0.04	0.96
2369	0.09	0.12	0.0 226,225,0		0.05	2.05e-03	0.01	213,212,225	0.17	213	0.87	0.06	0.94
	0.04	0.03	0.0 217,213,0		0.05	0.01	0.01	213,213,213			1.00	0.04	0.96
2370	0.09	0.12	0.0 226,225,0		0.05	2.05e-03	0.01	213,212,225	0.17	213	0.87	0.06	0.94
	0.04	0.03	0.0 217,213,0		0.05	0.01	0.01	213,213,213			1.00	0.04	0.96
2371	0.09	0.12	0.0 226,225,0		0.05	2.05e-03	0.01	213,212,225	0.17	213	0.87	0.06	0.94
	9.46e-03	0.01	0.0 218,217,0		0.05	3.26e-03	3.26e-03	213,217,217			1.00	0.04	0.96
2372	0.07	0.11	0.0 220,223,0		0.03	7.47e-04	0.01	217,207,223	0.13	217	0.87	0.06	0.94
	0.05	0.03	0.0 217,213,0		0.03	0.01	0.01	217,213,213			1.00	0.04	0.96
2373	0.07	0.11	0.0 220,223,0		0.03	1.30e-03	0.01	217,224,223	0.13	217	0.87	0.06	0.94
	0.05	0.03	0.0 217,213,0		0.03	0.01	0.01	217,213,213			1.00	0.04	0.96
2374	0.05	0.09	0.0 220,223,0		0.02	5.32e-04	0.01	209,214,223	0.10	209	0.87	0.06	0.94

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2685 DI 2790

	0.05	0.03	0.0 217,213,0	0.02	0.01	0.01209,225,225			1.00	0.04	0.96
2375	0.05	0.09	0.0 220,223,0	0.02	1.24e-03	0.01209,226,223	0.10	209	0.87	0.06	0.94
	0.05	0.03	0.0 217,213,0	0.02	0.01	0.01209,225,225			1.00	0.04	0.96
2376	0.04	0.08	0.0 224,227,0	0.01	7.27e-04	9.24e-03209,52,227	0.09	209	0.87	0.06	0.94
	0.04	0.03	0.0 217,213,0	0.01	0.02	0.02209,225,225			1.00	0.04	0.96
2377	0.04	0.08	0.0 224,227,0	0.01	2.74e-03	9.24e-03209,226,227	0.09	209	0.87	0.06	0.94
	0.04	0.03	0.0 217,213,0	0.01	0.02	0.02209,225,225			1.00	0.04	0.96
2378	0.02	0.02	0.0 225,226,0	0.01	2.82e-03	4.11e-03204,224,224	0.08	204	0.87	0.06	0.94
	0.02	0.02	0.0 214,213,0	0.01	7.41e-03	7.41e-03204,213,213			1.00	0.04	0.96
2379	0.02	0.02	0.0 225,226,0	0.01	2.82e-03	4.11e-03204,224,224	0.08	204	0.87	0.06	0.94
	9.46e-03	9.43e-03	0.0 218,217,0	0.01	3.08e-03	3.08e-03204,213,213			1.00	0.04	0.96
2380	7.62e-03	0.01	0.0 225,226,0	0.01	2.30e-03	4.34e-03209,220,220	0.09	209	0.87	0.06	0.94
	0.02	0.02	0.0 209,217,0	0.01	7.59e-03	7.59e-03209,213,213			1.00	0.04	0.96
2381	8.45e-03	0.01	0.0 220,223,0	0.01	1.55e-03	4.34e-03209,220,220	0.09	209	0.87	0.06	0.94
	0.02	0.02	0.0 209,217,0	0.01	7.59e-03	7.59e-03209,213,213			1.00	0.04	0.96
2382	0.01	0.02	0.0 220,223,0	0.01	2.74e-03	5.22e-03209,226,225	0.09	209	0.87	0.06	0.94
	0.02	0.02	0.0 209,217,0	0.01	7.03e-03	7.03e-03209,213,213			1.00	0.04	0.96
2383	7.60e-03	6.80e-03	0.0 223,221,0	9.61e-03	4.30e-03	5.88e-03204,220,220	0.08	204	0.87	0.06	0.94
	7.78e-03	9.44e-03	0.0 204,213,0	9.61e-03	3.60e-03	3.60e-03204,217,217			1.00	0.04	0.96
2384	7.47e-03	6.80e-03	0.0 222,221,0	9.20e-03	4.30e-03	5.46e-03204,220,220	0.07	204	0.87	0.06	0.94
	6.27e-03	5.39e-03	0.0 215,212,0	9.20e-03	2.14e-03	2.14e-03204,223,223			1.00	0.04	0.96
2385	0.01	8.88e-03	0.0 222,220,0	9.61e-03	3.10e-03	5.88e-03204,220,220	0.08	204	0.87	0.06	0.94
	8.50e-03	0.01	0.0 218,217,0	9.61e-03	4.41e-03	4.41e-03204,217,217			1.00	0.04	0.96
2386	0.01	0.01	0.0 222,204,0	9.61e-03	1.92e-03	5.84e-03204,220,220	0.08	204	0.87	0.06	0.94
	8.50e-03	0.01	0.0 218,217,0	9.61e-03	4.41e-03	4.41e-03204,217,217			1.00	0.04	0.96
2387	0.01	0.01	0.0 222,204,0	9.59e-03	1.77e-03	5.92e-03209,220,220	0.08	209	0.87	0.06	0.94
	8.63e-03	9.76e-03	0.0 218,217,0	9.59e-03	3.49e-03	3.49e-03209,217,217			1.00	0.04	0.96
2388	0.02	0.01	0.0 223,204,0	7.08e-03	6.14e-03	8.21e-03204,220,220	0.06	204	0.87	0.06	0.94
	4.18e-03	4.39e-03	0.0 220,223,0	7.08e-03	2.14e-03	2.14e-03204,223,223			1.00	0.04	0.96
2389	6.74e-03	4.78e-03	0.0 223,220,0	7.03e-03	6.14e-03	7.69e-03207,220,220	0.06	207	0.87	0.06	0.94
	3.64e-03	3.18e-03	0.0 220,223,0	7.03e-03	2.14e-03	2.14e-03207,223,223			1.00	0.04	0.96
2390	0.03	0.02	0.0 207,204,0	7.29e-03	4.02e-03	8.21e-03204,220,220	0.07	204	0.87	0.06	0.94
	4.18e-03	4.39e-03	0.0 220,223,0	7.29e-03	1.79e-03	1.79e-03204,217,217			1.00	0.04	0.96
2391	0.03	0.03	0.0 207,204,0	7.58e-03	1.92e-03	7.70e-03209,220,220	0.07	209	0.87	0.06	0.94
	3.84e-03	4.25e-03	0.0 220,217,0	7.58e-03	1.89e-03	1.89e-03209,217,217			1.00	0.04	0.96
2392	0.04	0.03	0.0 207,204,0	7.78e-03	2.50e-03	8.88e-03209,220,220	0.07	209	0.87	0.06	0.94
	3.51e-03	4.25e-03	0.0 218,217,0	7.78e-03	2.09e-03	2.09e-03209,217,217			1.00	0.04	0.96
2393	0.02	0.01	0.0 223,204,0	2.27e-03	6.14e-03	8.21e-03207,220,220	0.04	207	0.87	0.06	0.94
	1.53e-03	1.47e-03	0.0 226,225,0	2.27e-03	8.39e-04	8.39e-04207,227,227			1.00	0.04	0.96
2394	6.74e-03	4.78e-03	0.0 223,220,0	2.27e-03	6.14e-03	7.69e-03207,220,220	0.04	207	0.87	0.06	0.94
	1.44e-03	8.15e-04	0.0 220,223,0	2.27e-03	8.39e-04	8.39e-04207,227,227			1.00	0.04	0.96
2395	0.03	0.02	0.0 207,204,0	1.93e-03	4.02e-03	8.21e-03204,220,220	0.03	204	0.87	0.06	0.94
	1.53e-03	1.47e-03	0.0 226,225,0	1.93e-03	5.87e-04	5.87e-04204,224,224			1.00	0.04	0.96
2396	0.03	0.03	0.0 207,204,0	2.25e-03	1.88e-03	7.70e-03205,224,220	0.04	205	0.87	0.06	0.94
	1.74e-03	1.53e-03	0.0 210,209,0	2.25e-03	5.87e-04	5.87e-04205,224,224			1.00	0.04	0.96
2397	0.04	0.03	0.0 207,204,0	2.76e-03	2.50e-03	8.88e-03209,220,220	0.04	209	0.87	0.06	0.94
	3.29e-03	2.91e-03	0.0 209,210,0	2.76e-03	7.42e-04	7.42e-04209,218,218			1.00	0.04	0.96
2398	0.03	0.07	0.0 220,227,0	8.48e-03	0.02	0.03204,226,225	0.07	204	0.87	0.06	0.94
	0.03	0.03	0.0 213,217,0	8.48e-03	0.02	0.02209,225,225			1.00	0.04	0.96
2399	0.03	0.07	0.0 220,227,0	0.01	0.02	0.03209,226,225	0.08	209	0.87	0.06	0.94
	0.03	0.03	0.0 213,217,0	0.01	0.02	0.02209,225,225			1.00	0.04	0.96
2400	0.03	0.07	0.0 220,223,0	8.25e-03	0.02	0.03204,226,225	0.07	204	0.87	0.06	0.94
	0.03	0.03	0.0 204,218,0	8.25e-03	0.02	0.02204,226,226			1.00	0.04	0.96
2401	0.03	0.07	0.0 220,223,0	0.01	0.02	0.03209,226,225	0.08	209	0.87	0.06	0.94
	0.03	0.03	0.0 204,218,0	0.01	0.02	0.02209,226,226			1.00	0.04	0.96
2402	0.03	0.06	0.0 220,223,0	6.64e-04	0.02	0.03204,226,225	0.02	204	0.87	0.06	0.94
	0.03	0.03	0.0 204,218,0	6.66e-04	0.02	0.02204,226,226			1.00	0.04	0.96
2403	0.03	0.06	0.0 220,223,0	2.24e-03	0.02	0.03217,226,225	0.04	217	0.87	0.06	0.94
	0.03	0.03	0.0 204,218,0	2.24e-03	0.02	0.02217,226,226			1.00	0.04	0.96
2404	0.01	0.02	0.0 220,227,0	0.01	3.52e-03	6.31e-03209,220,220	0.08	209	0.87	0.06	0.94
	0.03	0.02	0.0 226,225,0	0.01	5.49e-03	5.49e-03209,213,213			1.00	0.04	0.96
2405	0.01	0.02	0.0 220,227,0	0.01	5.21e-03	6.31e-03209,226,220	0.08	209	0.87	0.06	0.94
	0.03	0.03	0.0 217,218,0	0.01	6.87e-03	6.87e-03209,226,226			1.00	0.04	0.96
2406	5.99e-03	0.02	0.0 220,223,0	2.24e-03	5.21e-03	6.09e-03217,226,225	0.04	217	0.87	0.06	0.94
	0.03	0.03	0.0 217,218,0	2.24e-03	6.87e-03	6.87e-03217,226,226			1.00	0.04	0.96
2407	0.01	0.01	0.0 222,204,0	9.41e-03	3.52e-03	6.47e-03209,220,220	0.07	209	0.87	0.06	0.94
	0.02	0.01	0.0 226,225,0	9.41e-03	4.44e-03	4.44e-03209,226,226			1.00	0.04	0.96
2408	8.91e-03	9.58e-03	0.0 222,204,0	8.44e-03	4.74e-03	6.47e-03209,220,220	0.07	209	0.87	0.06	0.94
	0.02	0.02	0.0 217,218,0	8.44e-03	4.44e-03	4.44e-03209,226,226			1.00	0.04	0.96
2409	5.44e-03	7.53e-03	0.0 207,209,0	1.68e-03	4.74e-03	6.00e-03217,220,220	0.03	217	0.87	0.06	0.94
	0.02	0.02	0.0 217,218,0	1.68e-03	3.86e-03	3.86e-03217,214,214			1.00	0.04	0.96
2410	0.04	0.04	0.0 207,204,0	7.78e-03	4.25e-03	9.74e-03209,220,220	0.07	209	0.87	0.06	0.94
	0.01	0.01	0.0 210,209,0	7.78e-03	2.67e-03	2.67e-03209,214,214			1.00	0.04	0.96
2411	0.04	0.04	0.0 207,204,0	7.58e-03	6.18e-03	9.80e-03209,223,220	0.07	209	0.87	0.06	0.94
	0.01	0.01	0.0 210,209,0	7.58e-03	2.67e-03	2.67e-03209,214,214			1.00	0.04	0.96

2412	0.04	0.04	0.0 207,204,0	1.22e-03	6.18e-03	9.80e-03217,223,220	0.03	217	0.87	0.06	0.94
	9.45e-03	0.01	0.0 210,209,0	1.22e-03	2.18e-03	2.18e-03217,218,218			1.00	0.04	0.96
2413	0.04	0.04	0.0 207,204,0	3.93e-03	4.25e-03	9.74e-03209,220,220	0.05	209	0.87	0.06	0.94
	0.01	0.01	0.0 210,209,0	3.93e-03	9.80e-04	9.80e-04209,218,218			1.00	0.04	0.96
2414	0.04	0.04	0.0 207,204,0	3.93e-03	6.18e-03	9.80e-03209,223,220	0.05	209	0.87	0.06	0.94
	0.01	0.01	0.0 210,209,0	3.93e-03	1.30e-03	1.30e-03209,207,207			1.00	0.04	0.96
2415	0.04	0.04	0.0 207,204,0	1.34e-04	6.18e-03	9.80e-03209,223,2208.84e-03		205	0.87	0.06	0.94
	9.45e-03	0.01	0.0 210,209,0	1.33e-04	1.30e-03	1.30e-03205,207,207			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.09	0.12	0.0	0.05	0.02	0.03	0.17

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
77	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.97	238.5	193	0.84	205.5	193	0.96	-1.993e+04	1.022e+07	223

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
320	0.05	0.12	0.0 223,220,0		0.06	4.66e-03	0.0252,214,226		0.19	52	0.87	0.06	0.94
	0.04	0.04	0.0 214,213,0		0.06	7.93e-03	7.93e-0352,213,213				1.00	0.04	0.96
603	0.05	0.12	0.0 225,226,0		0.11	7.49e-03	0.02225,217,214		0.25	225	0.87	0.06	0.94
	0.04	0.03	0.0 214,213,0		0.11	3.33e-03	3.33e-03225,216,216				1.00	0.04	0.96
606	0.05	0.12	0.0 225,226,0		0.13	7.49e-03	0.02225,217,214		0.28	225	0.87	0.06	0.94
	0.03	0.02	0.0 214,213,0		0.13	1.34e-03	1.34e-03225,234,234				1.00	0.04	0.96
609	0.02	0.08	0.0 225,226,0		0.14	6.80e-03	0.01225,217,214		0.29	225	0.87	0.06	0.94
	0.02	0.02	0.0 214,213,0		0.14	1.30e-03	1.30e-03225,213,213				1.00	0.04	0.96
612	0.0	0.06	0.0 0,52,0		0.15	6.48e-03	0.01225,217,214		0.30	225	0.0	0.0	0.0
	0.01	0.01	0.0 214,213,0		0.15	1.30e-03	1.30e-03225,213,213				1.00	0.04	0.96
615	0.0	0.06	0.0 0,52,0		0.15	5.46e-03	9.56e-03225,217,214		0.30	225	0.0	0.0	0.0
	9.18e-03	0.01	0.0 204,207,0		0.15	3.51e-04	3.51e-04225,230,230				1.00	0.04	0.96
618	0.0	0.05	0.0 0,52,0		0.15	5.24e-03	9.06e-03225,212,215		0.30	225	0.0	0.0	0.0
	8.83e-03	0.01	0.0 204,207,0		0.15	5.69e-04	5.69e-04225,223,223				1.00	0.04	0.96
621	0.0	0.05	0.0 0,52,0		0.15	4.39e-03	8.30e-03225,215,207		0.29	225	0.0	0.0	0.0
	0.02	0.02	0.0 220,223,0		0.15	1.41e-03	1.41e-03225,207,207				1.00	0.04	0.96
624	3.80e-03	0.06	0.0 220,52,0		0.14	3.80e-03	9.73e-03225,207,223		0.29	225	0.87	0.06	0.94
	0.02	0.02	0.0 220,223,0		0.14	1.41e-03	1.41e-03225,207,207				1.00	0.04	0.96
627	0.02	0.08	0.0 220,223,0		0.13	3.54e-03	0.01226,223,223		0.28	226	0.87	0.06	0.94
	0.02	0.02	0.0 220,223,0		0.13	2.88e-03	2.88e-03226,233,233				1.00	0.04	0.96
630	0.11	0.23	0.0 226,225,0		0.11	5.85e-03	0.04226,225,225		0.26	226	0.87	0.06	0.94
	0.02	0.02	0.0 220,223,0		0.11	3.92e-03	3.92e-03226,214,214				1.00	0.04	0.96
2368	0.11	0.23	0.0 226,225,0		0.09	5.85e-03	0.04225,225,225		0.23	225	0.87	0.06	0.94
	0.02	0.02	0.0 220,225,0		0.09	3.92e-03	3.92e-03225,214,214				1.00	0.04	0.96
2369	0.11	0.23	0.0 226,225,0		0.09	5.85e-03	0.04225,225,225		0.23	225	0.87	0.06	0.94
	0.04	0.04	0.0 217,217,0		0.09	0.02	0.02225,217,217				1.00	0.04	0.96
2372	0.08	0.19	0.0 226,225,0		0.06	1.06e-03	0.02226,209,223		0.19	226	0.87	0.06	0.94
	0.05	0.04	0.0 213,213,0		0.06	0.02	0.02226,217,217				1.00	0.04	0.96
2374	0.06	0.16	0.0 220,225,0		0.05	1.45e-03	0.02226,209,225		0.17	226	0.87	0.06	0.94
	0.05	0.04	0.0 213,213,0		0.05	0.01	0.01226,209,209				1.00	0.04	0.96
2376	0.04	0.14	0.0 224,227,0		0.04	2.45e-03	0.02226,209,227		0.16	226	0.87	0.06	0.94
	0.05	0.04	0.0 213,225,0		0.04	0.01	0.01226,209,209				1.00	0.04	0.96
2398	0.02	0.11	0.0 220,223,0		0.05	6.67e-03	0.02226,204,207		0.17	226	0.87	0.06	0.94
	0.06	0.06	0.0 225,226,0		0.05	0.01	0.01226,209,209				1.00	0.04	0.96
2400	0.01	0.10	0.0 220,52,0		0.05	0.01	0.02226,207,207		0.17	226	0.87	0.06	0.94
	0.06	0.06	0.0 225,226,0		0.05	8.94e-03	8.94e-03226,210,210				1.00	0.04	0.96
2402	0.0	0.08	0.0 0,52,0	5.93e-03	0.01	0.02226,207,207		0.06	226	0.0	0.0	0.0	0.0
	0.06	0.06	0.0 225,226,0	5.93e-03	8.94e-03	8.94e-03226,210,210					1.00	0.04	0.96
2416	0.11	0.23	0.0 226,225,0		0.11	5.85e-03	0.04226,225,225		0.26	226	0.87	0.06	0.94
	0.04	0.04	0.0 217,217,0		0.11	0.02	0.02226,217,217				1.00	0.04	0.96
2417	0.03	0.09	0.0 220,223,0		0.13	3.54e-03	0.01226,223,223		0.28	226	0.87	0.06	0.94
	0.02	0.02	0.0 226,223,0		0.13	8.27e-03	8.27e-03226,217,217				1.00	0.04	0.96
2418	0.08	0.19	0.0 226,225,0		0.11	2.01e-03	0.02226,223,223		0.25	226	0.87	0.06	0.94
	0.05	0.04	0.0 213,213,0		0.11	0.02	0.02226,217,217				1.00	0.04	0.96
2419	0.03	0.09	0.0 220,223,0		0.13	2.28e-03	0.01226,223,223		0.27	226	0.87	0.06	0.94
	0.03	0.02	0.0 226,225,0		0.13	8.73e-03	8.73e-03226,217,217				1.00	0.04	0.96
2420	0.06	0.16	0.0 220,225,0		0.10	1.45e-03	0.02226,209,225		0.25	226	0.87	0.06	0.94
	0.05	0.04	0.0 213,213,0		0.10	0.01	0.01226,209,209				1.00	0.04	0.96
2421	0.02	0.08	0.0 220,223,0		0.12	1.56e-03	0.01226,207,223		0.27	226	0.87	0.06	0.94

	0.03	0.02	0.0 226,225,0	0.12	8.73e-03	8.73e-03226,217,217			1.00	0.04	0.96
2422	0.04	0.14	0.0 224,227,0	0.10	2.45e-03	0.02226,209,227	0.24	226	0.87	0.06	0.94
	0.05	0.04	0.0 213,225,0	0.10	0.01	0.01226,209,209			1.00	0.04	0.96
2423	0.02	0.08	0.0 220,223,0	0.12	1.55e-03	0.01226,205,223	0.27	226	0.87	0.06	0.94
	0.03	0.02	0.0 226,225,0	0.12	7.56e-03	7.56e-03226,217,217			1.00	0.04	0.96
2424	4.91e-03	0.06	0.0 220,52,0	0.14	3.80e-03	9.75e-03225,207,223	0.29	225	0.87	0.06	0.94
	0.02	0.02	0.0 220,223,0	0.14	3.61e-03	3.61e-03225,217,217			1.00	0.04	0.96
2425	5.61e-03	0.06	0.0 220,52,0	0.14	2.75e-03	9.75e-03225,207,223	0.29	225	0.87	0.06	0.94
	0.02	0.01	0.0 220,223,0	0.14	4.75e-03	4.75e-03225,213,213			1.00	0.04	0.96
2426	5.64e-03	0.06	0.0 220,52,0	0.14	1.59e-03	9.32e-03225,207,223	0.28	225	0.87	0.06	0.94
	0.02	0.01	0.0 220,223,0	0.14	4.75e-03	4.75e-03225,213,213			1.00	0.04	0.96
2427	5.64e-03	0.06	0.0 220,52,0	0.14	1.48e-03	9.07e-03225,207,223	0.28	225	0.87	0.06	0.94
	0.01	0.01	0.0 224,227,0	0.14	4.63e-03	4.63e-03225,213,213			1.00	0.04	0.96
2428	0.0	0.05	0.0 0,52,0	0.15	4.39e-03	8.75e-03225,215,207	0.29	225	0.0	0.0	0.0
	0.02	0.02	0.0 220,223,0	0.15	1.60e-03	1.60e-03225,214,214			1.00	0.04	0.96
2429	0.0	0.05	0.0 0,52,0	0.15	3.20e-03	8.75e-03225,215,207	0.29	225	0.0	0.0	0.0
	0.01	0.01	0.0 204,225,0	0.15	2.27e-03	2.27e-03225,213,213			1.00	0.04	0.96
2430	0.0	0.05	0.0 0,52,0	0.15	1.73e-03	8.32e-03225,215,207	0.29	225	0.0	0.0	0.0
	0.01	0.01	0.0 220,213,0	0.15	2.76e-03	2.76e-03225,213,213			1.00	0.04	0.96
2431	0.0	0.05	0.0 0,52,0	0.15	1.58e-03	8.06e-03225,215,207	0.29	225	0.0	0.0	0.0
	0.01	9.67e-03	0.0 209,210,0	0.15	2.85e-03	2.85e-03225,217,217			1.00	0.04	0.96
2432	0.0	0.05	0.0 0,52,0	0.15	5.24e-03	9.43e-03225,212,215	0.30	225	0.0	0.0	0.0
	0.01	0.01	0.0 214,213,0	0.15	8.42e-04	8.42e-04225,214,214			1.00	0.04	0.96
2433	0.0	0.05	0.0 0,52,0	0.15	3.66e-03	9.43e-03225,212,215	0.30	225	0.0	0.0	0.0
	0.01	0.01	0.0 214,213,0	0.15	1.27e-03	1.27e-03225,214,214			1.00	0.04	0.96
2434	0.0	0.05	0.0 0,52,0	0.15	1.93e-03	8.90e-03225,215,215	0.30	225	0.0	0.0	0.0
	0.01	0.01	0.0 217,217,0	0.15	1.75e-03	1.75e-03225,213,213			1.00	0.04	0.96
2435	0.0	0.05	0.0 0,52,0	0.15	1.81e-03	8.72e-03225,215,215	0.30	225	0.0	0.0	0.0
	0.02	0.01	0.0 217,218,0	0.15	1.95e-03	1.95e-03225,217,217			1.00	0.04	0.96
2436	0.0	0.06	0.0 0,52,0	0.15	5.46e-03	0.01225,217,219	0.30	225	0.0	0.0	0.0
	0.02	0.01	0.0 214,213,0	0.15	9.25e-04	9.25e-04225,216,216			1.00	0.04	0.96
2437	0.0	0.05	0.0 0,52,0	0.15	4.11e-03	0.01225,216,219	0.30	225	0.0	0.0	0.0
	0.02	0.01	0.0 209,213,0	0.15	1.45e-03	1.45e-03225,213,213			1.00	0.04	0.96
2438	0.0	0.05	0.0 0,52,0	0.15	2.14e-03	9.67e-03225,216,219	0.30	225	0.0	0.0	0.0
	0.02	0.01	0.0 217,217,0	0.15	1.86e-03	1.86e-03225,216,216			1.00	0.04	0.96
2439	0.0	0.05	0.0 0,52,0	0.15	2.09e-03	9.44e-03225,216,219	0.30	225	0.0	0.0	0.0
	0.02	0.02	0.0 217,218,0	0.15	2.00e-03	2.00e-03225,216,216			1.00	0.04	0.96
2440	0.0	0.06	0.0 0,52,0	0.15	6.48e-03	0.01225,217,214	0.30	225	0.0	0.0	0.0
	0.02	0.02	0.0 214,213,0	0.15	1.61e-03	1.61e-03225,216,216			1.00	0.04	0.96
2441	0.0	0.06	0.0 0,52,0	0.15	4.48e-03	0.01225,213,214	0.30	225	0.0	0.0	0.0
	0.02	0.02	0.0 214,213,0	0.15	2.32e-03	2.32e-03225,216,216			1.00	0.04	0.96
2442	0.0	0.06	0.0 0,52,0	0.15	2.22e-03	0.01225,213,214	0.30	225	0.0	0.0	0.0
	0.03	0.02	0.0 217,217,0	0.15	2.67e-03	2.67e-03225,216,216			1.00	0.04	0.96
2443	0.0	0.06	0.0 0,52,0	0.15	2.45e-03	0.01225,213,214	0.30	225	0.0	0.0	0.0
	0.03	0.02	0.0 217,218,0	0.15	2.67e-03	2.67e-03225,216,216			1.00	0.04	0.96
2444	0.02	0.08	0.0 225,226,0	0.14	6.80e-03	0.02225,217,214	0.29	225	0.87	0.06	0.94
	0.03	0.02	0.0 214,213,0	0.14	2.93e-03	2.93e-03225,213,213			1.00	0.04	0.96
2445	0.02	0.08	0.0 225,226,0	0.14	4.77e-03	0.02225,217,214	0.29	225	0.87	0.06	0.94
	0.03	0.02	0.0 217,213,0	0.14	4.00e-03	4.00e-03225,216,216			1.00	0.04	0.96
2446	0.02	0.08	0.0 225,226,0	0.14	2.22e-03	0.01225,213,214	0.29	225	0.87	0.06	0.94
	0.03	0.03	0.0 214,217,0	0.14	4.00e-03	4.00e-03225,216,216			1.00	0.04	0.96
2447	0.02	0.07	0.0 225,226,0	0.14	2.72e-03	0.01225,217,214	0.29	225	0.87	0.06	0.94
	0.04	0.03	0.0 217,217,0	0.14	3.56e-03	3.56e-03225,213,213			1.00	0.04	0.96
2448	0.05	0.12	0.0 225,226,0	0.13	7.49e-03	0.02225,217,214	0.28	225	0.87	0.06	0.94
	0.04	0.03	0.0 214,213,0	0.13	5.57e-03	5.57e-03225,213,213			1.00	0.04	0.96
2449	0.05	0.12	0.0 225,226,0	0.13	4.77e-03	0.02225,217,214	0.28	225	0.87	0.06	0.94
	0.05	0.03	0.0 217,213,0	0.13	6.30e-03	6.30e-03225,213,213			1.00	0.04	0.96
2450	0.04	0.11	0.0 225,226,0	0.13	1.98e-03	0.01225,218,226	0.28	225	0.87	0.06	0.94
	0.05	0.03	0.0 217,213,0	0.13	6.30e-03	6.30e-03225,213,213			1.00	0.04	0.96
2451	0.03	0.09	0.0 223,220,0	0.13	2.72e-03	0.01225,217,214	0.27	225	0.87	0.06	0.94
	0.05	0.03	0.0 217,213,0	0.13	3.82e-03	3.82e-03 225,44,44			1.00	0.04	0.96
2452	0.05	0.12	0.0 225,226,0	0.11	7.49e-03	0.02225,217,214	0.25	225	0.87	0.06	0.94
	0.06	0.04	0.0 217,213,0	0.11	8.42e-03	8.42e-03225,213,213			1.00	0.04	0.96
2453	0.05	0.12	0.0 225,226,0	0.10	4.36e-03	0.02225,217,214	0.25	225	0.87	0.06	0.94
	0.07	0.05	0.0 217,213,0	0.10	8.42e-03	8.42e-03225,213,213			1.00	0.04	0.96
2454	0.04	0.11	0.0 225,226,0	0.10	1.44e-03	0.01225,208,226	0.24	225	0.87	0.06	0.94
	0.07	0.05	0.0 217,213,0	0.10	7.52e-03	7.52e-03225,217,217			1.00	0.04	0.96
2455	0.03	0.09	0.0 223,220,0	0.10	2.63e-03	0.01225,217,226	0.24	225	0.87	0.06	0.94
	0.06	0.04	0.0 217,217,0	0.10	6.34e-03	6.34e-03 225,44,44			1.00	0.04	0.96
2456	0.05	0.12	0.0 223,220,0	0.06	4.66e-03	0.0252,214,226	0.19	52	0.87	0.06	0.94
	0.08	0.06	0.0 217,217,0	0.06	8.42e-03	8.42e-0352,213,213			1.00	0.04	0.96
2457	0.04	0.11	0.0 223,220,0	0.06	2.58e-03	0.01225,218,226	0.18	225	0.87	0.06	0.94
	0.09	0.06	0.0 217,217,0	0.06	9.52e-03	9.52e-03 225,44,44			1.00	0.04	0.96
2458	0.03	0.10	0.0 223,220,0	0.06	2.61e-03	0.01225,216,226	0.19	225	0.87	0.06	0.94
	0.09	0.06	0.0 217,217,0	0.06	9.52e-03	9.52e-03 225,44,44			1.00	0.04	0.96

2459	0.03	0.09	0.0 223,220,0	0.06	2.61e-03	0.01225,216,226	0.19	225	0.87	0.06	0.94
	0.06	0.04	0.0 217,217,0	0.06	9.11e-03	9.11e-03 225,45,45			1.00	0.04	0.96
2460	0.02	0.11	0.0 220,223,0	0.11	6.67e-03	0.02226,204,207	0.26	226	0.87	0.06	0.94
	0.07	0.06	0.0 221,226,0	0.11	0.01	0.01226,209,209			1.00	0.04	0.96
2461	0.01	0.07	0.0 220,223,0	0.12	2.91e-03	0.01226,207,223	0.27	226	0.87	0.06	0.94
	0.07	0.05	0.0 221,222,0	0.12	6.08e-03	6.08e-03226,225,225			1.00	0.04	0.96
2462	0.01	0.10	0.0 220,52,0	0.11	0.01	0.02226,207,207	0.26	226	0.87	0.06	0.94
	0.07	0.06	0.0 221,226,0	0.11	8.94e-03	8.94e-03226,210,210			1.00	0.04	0.96
2463	7.59e-03	0.06	0.0 220,52,0	0.12	5.80e-03	0.01226,207,207	0.27	226	0.87	0.06	0.94
	0.07	0.06	0.0 221,226,0	0.12	3.78e-03	3.78e-03226,209,209			1.00	0.04	0.96
2464	0.0	0.08	0.0 0,52,0	0.06	0.01	0.02226,207,207	0.19	226	0.0	0.0	0.0
	0.07	0.06	0.0 225,226,0	0.06	8.94e-03	8.94e-03226,210,210			1.00	0.04	0.96
2465	3.43e-04	0.06	0.0 220,52,0	0.08	5.80e-03	0.01225,207,207	0.22	225	0.87	0.06	0.94
	0.07	0.06	0.0 225,226,0	0.08	2.89e-03	2.89e-03225,204,204			1.00	0.04	0.96
2466	4.47e-03	0.05	0.0 220,52,0	0.14	2.92e-03	9.39e-03225,207,223	0.28	225	0.87	0.06	0.94
	0.06	0.05	0.0 225,226,0	0.14	3.88e-03	3.88e-03225,213,213			1.00	0.04	0.96
2467	2.14e-03	0.05	0.0 220,52,0	0.13	4.27e-03	9.39e-03225,207,223	0.28	225	0.87	0.06	0.94
	0.06	0.05	0.0 225,226,0	0.13	3.78e-03	3.78e-03225,209,209			1.00	0.04	0.96
2468	3.43e-04	0.05	0.0 220,52,0	0.10	4.27e-03	8.72e-03225,207,207	0.25	225	0.87	0.06	0.94
	0.05	0.04	0.0 225,226,0	0.10	1.77e-03	1.77e-03225,205,205			1.00	0.04	0.96
2469	0.0	0.05	0.0 0,52,0	0.15	3.21e-03	8.53e-03225,215,207	0.29	225	0.0	0.0	0.0
	0.04	0.04	0.0 225,226,0	0.15	2.85e-03	2.85e-03225,217,217			1.00	0.04	0.96
2470	0.0	0.05	0.0 0,52,0	0.14	5.07e-03	8.53e-03225,215,207	0.29	225	0.0	0.0	0.0
	0.04	0.04	0.0 225,226,0	0.14	2.47e-03	2.47e-03225,217,217			1.00	0.04	0.96
2471	0.0	0.05	0.0 0,52,0	0.12	5.07e-03	8.51e-03225,215,207	0.26	225	0.0	0.0	0.0
	0.04	0.03	0.0 225,226,0	0.12	6.55e-04	6.55e-04225,214,214			1.00	0.04	0.96
2472	0.0	0.05	0.0 0,52,0	0.15	3.76e-03	9.41e-03225,215,215	0.30	225	0.0	0.0	0.0
	0.03	0.03	0.0 225,226,0	0.15	1.95e-03	1.95e-03225,217,217			1.00	0.04	0.96
2473	0.0	0.05	0.0 0,52,0	0.14	5.68e-03	9.41e-03225,215,215	0.29	225	0.0	0.0	0.0
	0.03	0.03	0.0 225,226,0	0.14	1.70e-03	1.70e-03225,217,217			1.00	0.04	0.96
2474	0.0	0.05	0.0 0,52,0	0.13	5.68e-03	9.21e-03225,215,215	0.27	225	0.0	0.0	0.0
	0.03	0.02	0.0 225,226,0	0.13	1.36e-03	1.36e-03225,215,215			1.00	0.04	0.96
2475	0.0	0.05	0.0 0,52,0	0.15	4.12e-03	0.01225,216,219	0.30	225	0.0	0.0	0.0
	0.03	0.03	0.0 225,226,0	0.15	2.00e-03	2.00e-03225,216,216			1.00	0.04	0.96
2476	0.0	0.05	0.0 0,52,0	0.14	6.29e-03	0.01225,216,219	0.29	225	0.0	0.0	0.0
	0.03	0.03	0.0 225,226,0	0.14	1.82e-03	1.82e-03225,213,213			1.00	0.04	0.96
2477	0.0	0.05	0.0 0,52,0	0.13	6.29e-03	9.90e-03225,216,219	0.28	225	0.0	0.0	0.0
	0.03	0.02	0.0 225,226,0	0.13	1.36e-03	1.36e-03225,215,215			1.00	0.04	0.96
2478	0.0	0.06	0.0 0,52,0	0.15	4.45e-03	0.01225,213,214	0.30	225	0.0	0.0	0.0
	0.03	0.02	0.0 213,214,0	0.15	2.36e-03	2.36e-03225,216,216			1.00	0.04	0.96
2479	0.0	0.05	0.0 0,52,0	0.14	6.29e-03	0.01225,216,214	0.29	225	0.0	0.0	0.0
	0.03	0.02	0.0 213,214,0	0.14	2.59e-03	2.59e-03225,213,213			1.00	0.04	0.96
2480	0.0	0.05	0.0 0,52,0	0.13	6.29e-03	0.01225,216,214	0.28	225	0.0	0.0	0.0
	0.03	0.02	0.0 213,214,0	0.13	2.59e-03	2.59e-03225,213,213			1.00	0.04	0.96
2481	0.02	0.07	0.0 225,226,0	0.14	4.45e-03	0.01225,213,214	0.28	225	0.87	0.06	0.94
	0.04	0.02	0.0 217,218,0	0.14	2.40e-03	2.40e-03225,217,217			1.00	0.04	0.96
2482	0.01	0.06	0.0 225,226,0	0.13	6.24e-03	0.01225,213,214	0.28	225	0.87	0.06	0.94
	0.03	0.02	0.0 213,214,0	0.13	2.59e-03	2.59e-03225,213,213			1.00	0.04	0.96
2483	5.85e-03	0.06	0.0 225,52,0	0.12	6.24e-03	0.01225,213,214	0.26	225	0.87	0.06	0.94
	0.03	0.02	0.0 213,214,0	0.12	2.59e-03	2.59e-03225,213,213			1.00	0.04	0.96
2484	0.03	0.09	0.0 223,220,0	0.12	4.38e-03	0.01225,217,214	0.27	225	0.87	0.06	0.94
	0.04	0.03	0.0 217,218,0	0.12	3.03e-03	3.03e-03 225,45,45			1.00	0.04	0.96
2485	0.02	0.08	0.0 223,220,0	0.11	5.81e-03	0.01225,218,214	0.26	225	0.87	0.06	0.94
	0.03	0.02	0.0 213,214,0	0.11	1.95e-03	1.95e-03 225,45,45			1.00	0.04	0.96
2486	0.02	0.07	0.0 223,220,0	0.10	5.81e-03	0.01225,218,214	0.25	225	0.87	0.06	0.94
	0.03	0.02	0.0 217,218,0	0.10	1.55e-03	1.55e-03225,217,217			1.00	0.04	0.96
2487	0.03	0.09	0.0 223,220,0	0.09	3.37e-03	0.01225,218,226	0.24	225	0.87	0.06	0.94
	0.04	0.03	0.0 217,218,0	0.09	5.95e-03	5.95e-03225,208,208			1.00	0.04	0.96
2488	0.02	0.08	0.0 223,220,0	0.09	5.29e-03	0.01225,218,226	0.23	225	0.87	0.06	0.94
	0.03	0.02	0.0 217,218,0	0.09	5.95e-03	5.95e-03225,208,208			1.00	0.04	0.96
2489	0.02	0.07	0.0 223,220,0	0.08	5.29e-03	0.01225,218,226	0.22	225	0.87	0.06	0.94
	0.02	0.01	0.0 217,218,0	0.08	2.17e-03	2.17e-03225,234,234			1.00	0.04	0.96
2490	0.03	0.08	0.0 223,220,0	0.06	2.49e-03	0.01225,218,226	0.19	225	0.87	0.06	0.94
	0.04	0.03	0.0 217,46,0	0.06	8.46e-03	8.46e-03225,216,216			1.00	0.04	0.96
2491	0.02	0.07	0.0 223,220,0	0.06	3.64e-03	9.35e-03225,218,226	0.18	225	0.87	0.06	0.94
	0.02	0.02	0.0 217,45,0	0.06	8.46e-03	8.46e-03225,216,216			1.00	0.04	0.96
2492	0.02	0.06	0.0 223,220,0	0.05	3.64e-03	8.59e-03225,218,226	0.18	225	0.87	0.06	0.94
	0.02	9.36e-03	0.0 217,218,0	0.05	5.46e-03	5.46e-03225,205,205			1.00	0.04	0.96
2493	0.03	0.04	0.0 223,220,0	0.06	0.01	0.0152,208,208	0.19	52	0.87	0.06	0.94
	0.08	0.06	0.0 217,217,0	0.06	0.01	0.0152,212,212			1.00	0.04	0.96
2494	0.03	0.04	0.0 223,220,0	0.06	0.01	0.0152,208,208	0.19	52	0.87	0.06	0.94
	0.04	0.04	0.0 214,213,0	0.06	7.93e-03	7.93e-0352,213,213			1.00	0.04	0.96
2495	0.02	0.04	0.0 208,220,0	0.06	3.59e-03	0.01213,212,208	0.18	213	0.87	0.06	0.94
	0.09	0.06	0.0 217,217,0	0.06	0.01	0.01213,212,212			1.00	0.04	0.96
2496	0.02	0.04	0.0 208,220,0	0.05	0.01	0.02213,216,208	0.18	213	0.87	0.06	0.94

	0.09	0.06	0.0 217,217,0	0.05	0.01	0.01213,212,212			1.00	0.04	0.96
2497	0.02	0.04	0.0 223,220,0	0.05	0.01	0.02213,216,208	0.17	213	0.87	0.06	0.94
	0.07	0.06	0.0 44,44,0	0.05	0.01	0.01213,212,212			1.00	0.04	0.96
2498	0.07	0.06	0.0 214,213,0	0.04	0.03	0.05213,216,216	0.16	213	0.87	0.06	0.94
	0.08	0.06	0.0 217,45,0	0.04	0.06	0.06213,216,216			1.00	0.04	0.96
2499	0.03	0.02	0.0 219,216,0	0.04	0.03	0.03213,216,216	0.15	213	0.87	0.06	0.94
	0.04	0.03	0.0 214,213,0	0.04	5.93e-03	5.93e-03213,212,212			1.00	0.04	0.96
2500	0.07	0.06	0.0 214,213,0	0.04	0.04	0.06213,216,213	0.16	213	0.87	0.06	0.94
	0.10	0.08	0.0 47,45,0	0.04	0.06	0.06213,216,216			1.00	0.04	0.96
2501	0.07	0.06	0.0 214,213,0	0.04	0.04	0.06213,216,213	0.16	213	0.87	0.06	0.94
	0.10	0.08	0.0 47,44,0	0.04	0.06	0.06213,216,216			1.00	0.04	0.96
2502	0.03	0.02	0.0 214,213,0	0.04	0.02	0.03213,216,213	0.16	213	0.87	0.06	0.94
	0.10	0.08	0.0 44,44,0	0.04	0.01	0.01213,212,212			1.00	0.04	0.96
2503	0.07	0.06	0.0 214,213,0	0.03	0.03	0.05213,216,216	0.13	213	0.87	0.06	0.94
	0.08	0.06	0.0 47,45,0	0.03	0.06	0.06213,216,216			1.00	0.04	0.96
2504	0.03	0.02	0.0 219,216,0	0.02	0.03	0.03213,216,216	0.11	213	0.87	0.06	0.94
	0.01	9.54e-03	0.0 47,45,0	0.02	5.93e-03	5.93e-03213,212,212			1.00	0.04	0.96
2505	0.07	0.06	0.0 214,213,0	0.03	0.04	0.06213,216,213	0.14	213	0.87	0.06	0.94
	0.10	0.08	0.0 47,45,0	0.03	0.06	0.06213,216,216			1.00	0.04	0.96
2506	0.07	0.06	0.0 214,213,0	0.03	0.04	0.06213,216,213	0.14	213	0.87	0.06	0.94
	0.10	0.08	0.0 47,44,0	0.03	0.06	0.06213,216,216			1.00	0.04	0.96
2507	0.03	0.02	0.0 214,213,0	0.03	0.02	0.03213,216,213	0.14	213	0.87	0.06	0.94
	0.10	0.08	0.0 44,44,0	0.03	0.01	0.01 213,44,44			1.00	0.04	0.96
2508	0.01	0.04	0.0 223,220,0	0.05	9.56e-03	0.01213,216,213	0.17	213	0.87	0.06	0.94
	0.06	0.05	0.0 46,48,0	0.05	0.01	0.01 213,44,44			1.00	0.04	0.96
2509	8.99e-03	0.04	0.0 214,220,0	0.04	7.89e-03	0.01213,213,213	0.16	213	0.87	0.06	0.94
	0.03	0.03	0.0 45,45,0	0.04	8.46e-03	8.46e-03213,216,216			1.00	0.04	0.96
2510	6.02e-03	0.04	0.0 223,220,0	0.04	7.89e-03	0.01213,213,213	0.15	213	0.87	0.06	0.94
	0.03	0.02	0.0 208,208,0	0.04	6.04e-03	6.04e-03213,216,216			1.00	0.04	0.96
2511	0.04	0.03	0.0 208,225,0	0.04	0.02	0.03213,208,213	0.15	213	0.87	0.06	0.94
	0.09	0.07	0.0 44,44,0	0.04	0.04	0.04213,208,208			1.00	0.04	0.96
2512	0.04	0.03	0.0 208,225,0	0.04	0.03	0.04213,216,213	0.15	213	0.87	0.06	0.94
	0.06	0.05	0.0 44,44,0	0.04	0.04	0.04213,208,208			1.00	0.04	0.96
2513	0.03	0.03	0.0 208,225,0	0.03	0.03	0.04213,216,213	0.14	213	0.87	0.06	0.94
	0.03	0.02	0.0 208,208,0	0.03	0.02	0.02213,208,208			1.00	0.04	0.96
2514	0.04	0.03	0.0 208,225,0	0.03	0.02	0.03213,208,213	0.14	213	0.87	0.06	0.94
	0.09	0.07	0.0 44,44,0	0.03	0.04	0.04213,208,208			1.00	0.04	0.96
2515	0.04	0.03	0.0 208,225,0	0.03	0.03	0.04213,216,213	0.14	213	0.87	0.06	0.94
	0.06	0.05	0.0 44,44,0	0.03	0.04	0.04213,208,208			1.00	0.04	0.96
2516	0.03	0.03	0.0 208,225,0	0.03	0.03	0.04213,216,213	0.13	213	0.87	0.06	0.94
	9.22e-03	8.02e-03	0.0 45,48,0	0.03	0.02	0.02213,208,208			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.11	0.23	0.0	0.15	0.06	0.06	0.30				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
78	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.43	kN 7.5	175	0.58	kN 10.1	173	0.25	kN 190.5	kN m 8.590e+04	219			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2503	0.04	0.02	0.0 214,213,0	7.42e-03	3.92e-03	6.90e-03	207,45,213	0.07	207	0.87	0.06	0.94	
	0.11	0.07	0.0 216,219,0	7.42e-03	0.02	0.02	207,45,45			1.00	0.04	0.96	
2504	0.02	8.97e-03	0.0 207,204,0	7.42e-03	3.92e-03	3.92e-03	207,45,45	0.07	207	0.87	0.06	0.94	
	0.02	0.01	0.0 207,204,0	7.42e-03	8.46e-04	8.46e-04	207,220,220			1.00	0.04	0.96	
2505	0.05	0.03	0.0 218,217,0	0.08	2.76e-03	6.90e-03	216,213,213	0.21	216	0.87	0.06	0.94	
	0.11	0.07	0.0 216,219,0	0.08	0.03	0.03	216,45,45			1.00	0.04	0.96	
2506	0.05	0.03	0.0 218,217,0	0.09	1.93e-03	6.02e-03	216,208,217	0.23	216	0.87	0.06	0.94	
	0.10	0.06	0.0 216,45,0	0.09	0.03	0.03	216,44,44			1.00	0.04	0.96	
2507	0.03	0.02	0.0 214,213,0	0.10	1.93e-03	5.60e-03	216,208,213	0.24	216	0.87	0.06	0.94	
	0.08	0.06	0.0 43,47,0	0.10	0.03	0.03	216,44,44			1.00	0.04	0.96	
2514	0.02	0.02	0.0 220,223,0	0.10	1.82e-03	2.73e-03	216,228,225	0.24	216	0.87	0.06	0.94	
	0.07	0.05	0.0 44,44,0	0.10	0.03	0.03	216,44,44			1.00	0.04	0.96	
2515	0.02	0.02	0.0 220,223,0	0.09	3.54e-03	4.66e-03	216,220,223	0.23	216	0.87	0.06	0.94	
	0.05	0.05	0.0 206,205,0	0.09	0.03	0.03	216,44,44			1.00	0.04	0.96	
2516	0.02	0.02	0.0 220,223,0	0.02	3.54e-03	4.66e-03	205,220,223	0.10	205	0.87	0.06	0.94	
	0.04	0.03	0.0 206,205,0	0.02	3.82e-03	3.82e-03	205,209,209			1.00	0.04	0.96	

2517	0.07	0.04	0.0 213,214,0	7.42e-03	0.01	0.02207,44,214	0.07	207	0.87	0.06	0.94
	0.13	0.08	0.0 216,219,0	7.42e-03	0.02	0.02 207,45,45			1.00	0.04	0.96
2518	0.03	0.02	0.0 213,214,0	7.42e-03	0.01	0.01 207,44,44	0.07	207	0.87	0.06	0.94
	0.03	0.02	0.0 218,217,0	7.42e-03	5.87e-03	5.87e-03207,212,212			1.00	0.04	0.96
2519	0.11	0.07	0.0 213,214,0	0.09	0.01	0.02216,217,214	0.23	216	0.87	0.06	0.94
	0.13	0.08	0.0 216,219,0	0.09	0.03	0.03 216,45,45			1.00	0.04	0.96
2520	0.11	0.07	0.0 213,214,0	0.09	7.63e-03	0.02216,213,214	0.23	216	0.87	0.06	0.94
	0.11	0.06	0.0 216,219,0	0.09	0.03	0.03 216,44,44			1.00	0.04	0.96
2521	0.07	0.05	0.0 213,214,0	0.10	7.63e-03	0.02216,213,214	0.24	216	0.87	0.06	0.94
	0.08	0.06	0.0 43,47,0	0.10	0.03	0.03 216,44,44			1.00	0.04	0.96
2522	0.07	0.04	0.0 213,214,0	2.90e-03	0.01	0.02207,44,214	0.04	207	0.87	0.06	0.94
	0.13	0.08	0.0 216,219,0	2.89e-03	0.01	0.01 207,45,45			1.00	0.04	0.96
2523	0.03	0.02	0.0 213,214,0	2.90e-03	0.01	0.01 207,44,44	0.04	207	0.87	0.06	0.94
	0.03	0.02	0.0 218,217,0	2.89e-03	5.87e-03	5.87e-03207,212,212			1.00	0.04	0.96
2524	0.11	0.07	0.0 213,214,0	0.09	0.01	0.02216,217,214	0.23	216	0.87	0.06	0.94
	0.13	0.08	0.0 216,219,0	0.09	0.02	0.02 216,45,45			1.00	0.04	0.96
2525	0.11	0.07	0.0 213,214,0	0.09	7.63e-03	0.02216,213,214	0.23	216	0.87	0.06	0.94
	0.11	0.06	0.0 216,219,0	0.09	0.02	0.02 216,45,45			1.00	0.04	0.96
2526	0.07	0.05	0.0 213,214,0	0.07	7.63e-03	0.02216,213,214	0.20	216	0.87	0.06	0.94
	0.03	0.02	0.0 219,216,0	0.07	0.01	0.01 216,47,47			1.00	0.04	0.96
2527	0.03	0.02	0.0 217,218,0	0.10	7.53e-03	0.01216,213,214	0.24	216	0.87	0.06	0.94
	0.07	0.05	0.0 44,44,0	0.10	0.03	0.03 216,44,44			1.00	0.04	0.96
2528	0.02	0.03	0.0 220,208,0	0.09	9.21e-03	0.01 216,45,45	0.23	216	0.87	0.06	0.94
	0.06	0.05	0.0 214,213,0	0.09	0.03	0.03 216,44,44			1.00	0.04	0.96
2529	0.02	0.03	0.0 220,208,0	0.02	9.21e-03	0.01 205,45,45	0.10	205	0.87	0.06	0.94
	0.06	0.05	0.0 214,213,0	0.02	3.82e-03	3.82e-03205,209,209			1.00	0.04	0.96
2530	0.03	0.02	0.0 217,218,0	0.06	7.53e-03	0.01216,213,214	0.19	216	0.87	0.06	0.94
	0.05	0.05	0.0 214,213,0	0.06	0.01	0.01 216,44,44			1.00	0.04	0.96
2531	0.02	0.03	0.0 211,208,0	0.06	9.21e-03	0.01 216,45,45	0.19	216	0.87	0.06	0.94
	0.06	0.05	0.0 214,213,0	0.06	7.18e-03	7.18e-03216,205,205			1.00	0.04	0.96
2532	0.02	0.03	0.0 211,208,0	3.20e-03	9.21e-03	0.01 216,45,45	0.04	216	0.87	0.06	0.94
	0.06	0.05	0.0 214,213,0	3.20e-03	1.38e-03	1.38e-03216,209,209			1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.13 0.08 0.0 0.10 0.03 0.03 0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
79	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.23 2.2 kN 185 0.13 -1.2 kN 176 0.20 -271.9 kN -3.692e+04 kN m 216

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2533	0.04	0.04	0.0 45,44,0	2.44e-03	0.06	0.08 217,42,44	0.04	217	0.87	0.06	0.94		
	0.01	0.01	0.0 212,44,0	2.44e-03	6.17e-03	6.17e-03 217,44,44			1.00	0.04	0.96		
2534	0.12	0.11	0.0 45,44,0	2.44e-03	0.07	0.11 217,44,44	0.04	217	0.87	0.06	0.94		
	0.03	0.03	0.0 214,213,0	2.44e-03	6.17e-03	6.17e-03 217,44,44			1.00	0.04	0.96		
2535	0.14	0.11	0.0 44,44,0	2.44e-03	0.07	0.11 217,44,44	0.04	217	0.87	0.06	0.94		
	0.03	0.03	0.0 214,213,0	2.44e-03	6.17e-03	6.17e-03 217,44,44			1.00	0.04	0.96		
2536	0.05	0.04	0.0 44,44,0	2.44e-03	0.06	0.08 217,42,44	0.04	217	0.87	0.06	0.94		
	0.02	0.01	0.0 222,44,0	2.44e-03	6.17e-03	6.17e-03 217,44,44			1.00	0.04	0.96		
2537	0.18	0.16	0.0 45,44,0	0.10	0.07	0.11 216,44,44	0.24	216	0.87	0.06	0.94		
	0.03	0.03	0.0 214,213,0	0.10	6.74e-03	6.74e-03 216,42,42			1.00	0.04	0.96		
2538	0.20	0.16	0.0 44,44,0	0.10	0.07	0.11 216,44,44	0.24	216	0.87	0.06	0.94		
	0.03	0.03	0.0 214,213,0	0.10	6.74e-03	6.74e-03 216,42,42			1.00	0.04	0.96		
2539	0.19	0.16	0.0 45,44,0	0.10	0.02	0.08 216,45,44	0.24	216	0.87	0.06	0.94		
	0.02	0.03	0.0 218,217,0	0.10	6.74e-03	6.74e-03 216,42,42			1.00	0.04	0.96		
2540	0.20	0.16	0.0 44,44,0	0.10	0.02	0.08 216,44,44	0.24	216	0.87	0.06	0.94		
	0.02	0.03	0.0 218,217,0	0.10	6.74e-03	6.74e-03 216,42,42			1.00	0.04	0.96		
2541	0.19	0.16	0.0 45,44,0	0.09	0.03	0.09 216,44,44	0.23	216	0.87	0.06	0.94		
	7.15e-03	6.44e-03	0.0 217,218,0	0.09	5.77e-04	5.77e-04216,220,220			1.00	0.04	0.96		
2542	0.20	0.16	0.0 44,44,0	0.09	0.03	0.09 216,44,44	0.23	216	0.87	0.06	0.94		
	7.15e-03	6.44e-03	0.0 217,218,0	0.09	6.41e-04	6.41e-04216,221,221			1.00	0.04	0.96		
2543	0.14	0.09	0.0 44,45,0	1.55e-03	0.07	0.07 208,45,45	0.03	208	0.87	0.06	0.94		
	0.02	0.01	0.0 222,225,0	1.55e-03	5.94e-03	5.94e-03 208,45,45			1.00	0.04	0.96		
2544	0.05	0.03	0.0 44,45,0	9.30e-04	0.06	0.06 218,45,45	0.02	218	0.87	0.06	0.94		
	0.02	0.01	0.0 222,221,0	9.28e-04	5.94e-03	5.94e-03 218,45,45			1.00	0.04	0.96		
2545	0.20	0.13	0.0 44,45,0	0.09	0.07	0.07 216,45,45	0.23	216	0.87	0.06	0.94		

	7.05e-03	0.01	0.0	226,225,0	0.09	6.59e-03	6.59e-03	216,45,45			1.00	0.04	0.96
2546	0.20	0.14	0.0	44,45,0	0.09	0.02	0.02	216,44,44	0.23	216	0.87	0.06	0.94
	2.90e-03	0.01	0.0	45,44,0	0.09	6.59e-03	6.59e-03	216,45,45			1.00	0.04	0.96
2547	0.20	0.14	0.0	44,45,0	0.09	0.03	0.09	216,45,42	0.23	216	0.87	0.06	0.94
	3.23e-03	3.62e-03	0.0	45,42,0	0.09	6.41e-04	6.41e-04	216,221,221			1.00	0.04	0.96
2548	0.17	0.13	0.0	45,44,0	0.09	0.05	0.09	216,42,41	0.23	216	0.87	0.06	0.94
	0.01	5.81e-03	0.0	217,218,0	0.09	2.22e-04	2.22e-04	216,46,46			1.00	0.04	0.96
2549	0.18	0.13	0.0	45,44,0	0.09	0.05	0.09	216,42,44	0.23	216	0.87	0.06	0.94
	0.01	5.86e-03	0.0	217,216,0	0.09	2.26e-04	2.26e-04	216,44,44			1.00	0.04	0.96
2550	0.13	0.09	0.0	48,41,0	0.09	0.07	0.09	216,42,41	0.23	216	0.87	0.06	0.94
	0.01	5.81e-03	0.0	217,218,0	0.09	1.36e-03	1.36e-03	216,44,44			1.00	0.04	0.96
2551	0.13	0.10	0.0	48,213,0	0.09	0.07	0.09	216,42,44	0.23	216	0.87	0.06	0.94
	0.01	6.44e-03	0.0	217,205,0	0.09	1.51e-03	1.51e-03	216,44,44			1.00	0.04	0.96
2552	0.10	0.08	0.0	213,214,0	5.65e-04	0.07	0.07	44,42,42	0.01	216	0.87	0.06	0.94
	7.99e-03	4.70e-03	0.0	44,45,0	3.56e-04	1.36e-03	1.36e-03	216,44,44			1.00	0.04	0.96
2553	0.11	0.10	0.0	214,213,0	8.77e-04	0.07	0.09	44,42,44	0.02	216	0.87	0.06	0.94
	8.69e-03	6.44e-03	0.0	206,205,0	5.12e-04	1.51e-03	1.51e-03	216,44,44			1.00	0.04	0.96
2554	0.18	0.13	0.0	45,44,0	0.09	0.05	0.09	216,45,44	0.23	216	0.87	0.06	0.94
	8.62e-03	5.86e-03	0.0	219,216,0	0.09	2.26e-04	2.26e-04	216,44,44			1.00	0.04	0.96
2555	0.12	0.10	0.0	45,213,0	0.09	0.07	0.09	216,45,44	0.23	216	0.87	0.06	0.94
	8.69e-03	6.44e-03	0.0	206,205,0	0.09	1.51e-03	1.51e-03	216,44,44			1.00	0.04	0.96
2556	0.11	0.10	0.0	214,213,0	8.77e-04	0.07	0.09	44,45,44	0.02	216	0.87	0.06	0.94
	8.69e-03	6.44e-03	0.0	206,205,0	5.12e-04	1.51e-03	1.51e-03	216,44,44			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.20	0.16	0.0		0.10	0.07	0.11		0.24				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
80	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.45	kN -16.4	173	0.49	kN 18.2	176	0.32	kN 1521.7	kN m -2.049e+05	216			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2557	0.02	0.02	0.0	219,216,0	3.75e-03	0.01	0.01	205,45,48	0.05	205	0.87	0.06	0.94
	0.02	0.02	0.0	204,207,0	3.75e-03	5.41e-03	5.41e-03	205,44,44					
2558	0.05	0.04	0.0	219,216,0	3.75e-03	0.01	0.02	205,45,216	0.05	205	0.87	0.06	0.94
	0.11	0.08	0.0	218,217,0	3.75e-03	0.02	0.02	205,44,44					
2559	0.05	0.04	0.0	219,216,0	0.01	0.01	0.02	208,45,216	0.08	208	0.87	0.06	0.94
	0.11	0.08	0.0	218,217,0	0.01	0.02	0.02	208,44,44					
2560	0.02	0.02	0.0	219,216,0	0.01	0.01	0.01	208,45,48	0.08	208	0.87	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.01	7.82e-03	7.82e-03	208,48,48					
2561	0.09	0.08	0.0	219,216,0	0.06	8.16e-03	0.02	219,44,216	0.19	219	0.87	0.06	0.94
	0.11	0.08	0.0	218,217,0	0.06	0.02	0.02	219,44,44					
2562	0.09	0.08	0.0	219,216,0	0.06	8.16e-03	0.02	219,44,216	0.19	219	0.87	0.06	0.94
	0.11	0.08	0.0	218,217,0	0.06	0.03	0.03	219,44,44					
2563	0.09	0.08	0.0	219,216,0	0.06	8.16e-03	0.01	219,44,216	0.19	219	0.87	0.06	0.94
	0.09	0.06	0.0	218,217,0	0.06	0.02	0.02	219,44,44					
2564	0.09	0.08	0.0	219,216,0	0.07	8.16e-03	0.01	219,44,216	0.21	219	0.87	0.06	0.94
	0.09	0.06	0.0	218,217,0	0.07	0.03	0.03	219,44,44					
2565	0.05	0.04	0.0	219,216,0	0.04	5.53e-03	0.01	219,216,216	0.16	219	0.87	0.06	0.94
	0.03	0.02	0.0	217,218,0	0.04	0.01	0.01	219,44,44					
2566	0.05	0.04	0.0	219,216,0	0.07	5.53e-03	0.01	219,216,216	0.21	219	0.87	0.06	0.94
	0.05	0.04	0.0	44,44,0	0.07	0.03	0.03	219,44,44					
2567	0.02	7.61e-03	0.0	52,215,0	0.01	5.91e-03	5.91e-03	208,45,45	0.08	208	0.87	0.06	0.94
	0.12	0.09	0.0	44,44,0	0.01	0.04	0.04	208,44,44					
2568	0.02	2.80e-03	0.0	52,215,0	0.01	5.91e-03	5.91e-03	208,45,45	0.08	208	0.87	0.06	0.94
	0.04	0.03	0.0	44,44,0	0.01	9.44e-03	9.44e-03	208,48,48					
2569	0.03	0.02	0.0	216,219,0	0.06	4.10e-03	5.13e-03	219,212,215	0.19	219	0.87	0.06	0.94
	0.14	0.10	0.0	44,44,0	0.06	0.05	0.05	219,44,44					
2570	0.03	0.02	0.0	216,219,0	0.07	2.83e-03	4.79e-03	219,212,215	0.21	219	0.87	0.06	0.94
	0.14	0.10	0.0	44,44,0	0.07	0.05	0.05	219,44,44					
2571	0.02	8.59e-03	0.0	220,215,0	0.07	3.41e-03	4.79e-03	219,213,215	0.21	219	0.87	0.06	0.94
	0.13	0.09	0.0	44,44,0	0.07	0.05	0.05	219,44,44					
2572	0.02	3.46e-03	0.0	52,217,0	0.01	3.84e-03	3.84e-03	213,18,18	0.08	213	0.87	0.06	0.94
	0.12	0.09	0.0	44,44,0	0.01	0.04	0.04	213,44,44					
2573	0.02	0.0	0.0	52,0,0	0.01	3.84e-03	3.84e-03	213,18,18	0.08	213	0.87	0.06	0.94
	0.04	0.03	0.0	44,44,0	0.01	9.44e-03	9.44e-03	213,48,48					

2574	0.03	0.01	0.0 214,213,0	0.08	2.01e-03	2.39e-03	216,217,213	0.21	216	0.87	0.06	0.94
	0.14	0.10	0.0 44,44,0	0.08	0.05	0.05	216,44,44			1.00	0.04	0.96
2575	0.03	0.01	0.0 214,213,0	0.09	1.71e-03	2.39e-03	216,211,213	0.23	216	0.87	0.06	0.94
	0.14	0.10	0.0 44,44,0	0.09	0.05	0.05	216,44,44			1.00	0.04	0.96
2576	0.02	7.07e-03	0.0 220,225,0	0.10	1.81e-03	2.51e-03	216,215,225	0.24	216	0.87	0.06	0.94
	0.13	0.09	0.0 44,44,0	0.10	0.05	0.05	216,44,44			1.00	0.04	0.96
2577	0.04	0.03	0.0 216,219,0	0.04	5.53e-03	8.80e-03	219,216,216	0.16	219	0.87	0.06	0.94
	0.05	0.04	0.0 216,219,0	0.04	8.07e-03	8.07e-03	219,44,44			1.00	0.04	0.96
2578	0.04	0.03	0.0 216,219,0	0.07	5.53e-03	8.80e-03	219,216,216	0.21	219	0.87	0.06	0.94
	0.05	0.04	0.0 216,219,0	0.07	0.02	0.02	219,44,44			1.00	0.04	0.96
2579	0.06	0.05	0.0 216,219,0	0.04	5.73e-03	6.96e-03	219,45,45	0.16	219	0.87	0.06	0.94
	0.07	0.05	0.0 216,219,0	0.04	4.82e-03	4.82e-03	219,43,43			1.00	0.04	0.96
2580	0.06	0.05	0.0 216,219,0	0.07	5.73e-03	6.96e-03	219,45,45	0.21	219	0.87	0.06	0.94
	0.07	0.05	0.0 216,219,0	0.07	0.02	0.02	219,43,43			1.00	0.04	0.96
2581	0.06	0.05	0.0 216,219,0	1.90e-03	5.73e-03	6.96e-03	211,45,45	0.03	211	0.87	0.06	0.94
	0.07	0.05	0.0 216,219,0	1.90e-03	1.38e-03	1.38e-03	211,46,46			1.00	0.04	0.96
2582	0.06	0.05	0.0 216,219,0	0.01	5.73e-03	6.96e-03	219,45,45	0.08	219	0.87	0.06	0.94
	0.07	0.05	0.0 216,219,0	0.01	5.65e-03	5.65e-03	219,44,44			1.00	0.04	0.96
2583	0.02	0.01	0.0 226,225,0	0.07	3.41e-03	3.41e-03	219,213,213	0.21	219	0.87	0.06	0.94
	0.11	0.08	0.0 44,44,0	0.07	0.04	0.04	219,44,44			1.00	0.04	0.96
2584	0.02	0.02	0.0 226,225,0	0.07	3.77e-03	4.62e-03	219,45,46	0.21	219	0.87	0.06	0.94
	0.07	0.06	0.0 47,43,0	0.07	0.03	0.03	219,43,43			1.00	0.04	0.96
2585	0.02	0.02	0.0 226,225,0	0.01	3.77e-03	4.62e-03	219,45,46	0.08	219	0.87	0.06	0.94
	0.05	0.04	0.0 216,219,0	0.01	9.35e-03	9.35e-03	219,44,44			1.00	0.04	0.96
2586	0.02	0.01	0.0 226,225,0	0.10	1.81e-03	2.51e-03	216,215,225	0.24	216	0.87	0.06	0.94
	0.11	0.08	0.0 44,44,0	0.10	0.04	0.04	216,44,44			1.00	0.04	0.96
2587	0.02	0.02	0.0 226,225,0	0.09	3.65e-03	3.65e-03	216,220,220	0.23	216	0.87	0.06	0.94
	0.07	0.06	0.0 47,43,0	0.09	0.03	0.03	216,43,43			1.00	0.04	0.96
2588	0.02	0.02	0.0 226,225,0	0.02	3.65e-03	3.65e-03	205,220,220	0.10	205	0.87	0.06	0.94
	0.03	0.03	0.0 208,205,0	0.02	9.35e-03	9.35e-03	205,44,44			1.00	0.04	0.96
2589	0.05	0.04	0.0 213,214,0	8.28e-03	9.46e-03	0.01	211,45,214	0.07	211	0.87	0.06	0.94
	0.14	0.09	0.0 216,219,0	8.28e-03	0.03	0.03	211,44,44			1.00	0.04	0.96
2590	0.02	0.02	0.0 213,219,0	8.28e-03	9.46e-03	9.46e-03	211,45,45	0.07	211	0.87	0.06	0.94
	0.03	0.03	0.0 44,44,0	8.28e-03	9.21e-03	9.21e-03	211,48,48			1.00	0.04	0.96
2591	0.09	0.07	0.0 213,214,0	0.09	6.34e-03	0.01	216,44,214	0.23	216	0.87	0.06	0.94
	0.14	0.09	0.0 216,219,0	0.09	0.04	0.04	216,44,44			1.00	0.04	0.96
2592	0.09	0.07	0.0 213,214,0	0.09	6.34e-03	0.01	216,44,214	0.23	216	0.87	0.06	0.94
	0.12	0.08	0.0 42,48,0	0.09	0.04	0.04	216,44,44			1.00	0.04	0.96
2593	0.05	0.04	0.0 213,214,0	0.10	4.17e-03	0.01	216,213,214	0.24	216	0.87	0.06	0.94
	0.11	0.08	0.0 44,44,0	0.10	0.04	0.04	216,44,44			1.00	0.04	0.96
2594	0.05	0.04	0.0 213,214,0	2.09e-03	9.46e-03	0.01	211,45,214	0.04	211	0.87	0.06	0.94
	0.14	0.09	0.0 216,219,0	2.09e-03	0.02	0.02	211,44,44			1.00	0.04	0.96
2595	0.02	0.02	0.0 213,219,0	2.09e-03	9.46e-03	9.46e-03	211,45,45	0.04	211	0.87	0.06	0.94
	0.02	0.01	0.0 222,221,0	2.09e-03	5.44e-03	5.44e-03	211,44,44			1.00	0.04	0.96
2596	0.09	0.07	0.0 213,214,0	0.09	6.34e-03	0.01	216,44,214	0.23	216	0.87	0.06	0.94
	0.14	0.09	0.0 216,219,0	0.09	0.02	0.02	216,44,44			1.00	0.04	0.96
2597	0.09	0.07	0.0 213,214,0	0.09	6.34e-03	0.01	216,44,214	0.23	216	0.87	0.06	0.94
	0.12	0.07	0.0 216,219,0	0.09	0.02	0.02	216,44,44			1.00	0.04	0.96
2598	0.05	0.04	0.0 213,214,0	0.06	4.17e-03	0.01	216,213,214	0.20	216	0.87	0.06	0.94
	0.03	0.02	0.0 219,216,0	0.06	0.02	0.02	216,44,44			1.00	0.04	0.96
2599	0.02	0.02	0.0 213,214,0	0.10	4.14e-03	7.89e-03	216,218,214	0.24	216	0.87	0.06	0.94
	0.09	0.07	0.0 44,44,0	0.10	0.04	0.04	216,44,44			1.00	0.04	0.96
2600	0.02	0.02	0.0 219,216,0	0.09	5.09e-03	6.17e-03	216,45,45	0.23	216	0.87	0.06	0.94
	0.06	0.06	0.0 206,44,0	0.09	0.03	0.03	216,44,44			1.00	0.04	0.96
2601	0.02	0.02	0.0 219,216,0	0.02	5.09e-03	6.17e-03	205,45,45	0.10	205	0.87	0.06	0.94
	0.06	0.05	0.0 206,205,0	0.02	8.71e-03	8.71e-03	205,44,44			1.00	0.04	0.96
2602	0.02	0.02	0.0 213,214,0	0.06	4.14e-03	7.89e-03	216,218,214	0.19	216	0.87	0.06	0.94
	0.05	0.04	0.0 214,213,0	0.06	0.01	0.01	216,44,44			1.00	0.04	0.96
2603	0.02	0.02	0.0 219,216,0	0.06	5.09e-03	6.17e-03	216,45,45	0.19	216	0.87	0.06	0.94
	0.06	0.05	0.0 206,205,0	0.06	8.03e-03	8.03e-03	216,44,44			1.00	0.04	0.96
2604	0.02	0.02	0.0 219,216,0	3.40e-03	5.09e-03	6.17e-03	208,45,45	0.04	208	0.87	0.06	0.94
	0.06	0.05	0.0 206,205,0	3.40e-03	2.40e-03	2.40e-03	208,44,44			1.00	0.04	0.96

Nodo V. 127 0.14 V. 128 0.10 V. 545 0.0 V. 129 0.10 V. 130 0.05 V. 131 0.05 V. D.26 0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
81	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO					PROGETTO STRUTTURE					
TABULATI DI CALCOLO BLOCCO AULE					PAG. 2693 DI 2790					

ok 0.30 2.8 184 0.12 -1.1 176 0.20 -280.3 -3.568e+04 216

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2605	0.04	0.03	0.0	45,44,0	3.77e-03	0.06	0.08	216,45,44	0.05	216	0.87	0.06	0.94
	0.02	0.02	0.0	220,223,0	3.77e-03	6.19e-03	6.19e-03	216,45,45			1.00	0.04	0.96
2606	0.13	0.10	0.0	45,44,0	3.77e-03	0.07	0.11	216,45,44	0.05	216	0.87	0.06	0.94
	0.03	0.03	0.0	218,217,0	3.77e-03	6.19e-03	6.19e-03	216,45,45			1.00	0.04	0.96
2607	0.13	0.10	0.0	44,44,0	3.77e-03	0.07	0.11	216,45,44	0.05	216	0.87	0.06	0.94
	0.03	0.03	0.0	218,217,0	3.77e-03	6.19e-03	6.19e-03	216,45,45			1.00	0.04	0.96
2608	0.04	0.03	0.0	44,44,0	3.77e-03	0.06	0.08	216,45,44	0.05	216	0.87	0.06	0.94
	0.03	0.02	0.0	234,233,0	3.77e-03	6.19e-03	6.19e-03	216,45,45			1.00	0.04	0.96
2609	0.18	0.15	0.0	45,44,0	0.10	0.07	0.11	216,45,44	0.24	216	0.87	0.06	0.94
	0.03	0.03	0.0	218,217,0	0.10	6.62e-03	6.62e-03	216,45,45			1.00	0.04	0.96
2610	0.19	0.15	0.0	44,44,0	0.10	0.07	0.11	216,45,44	0.24	216	0.87	0.06	0.94
	0.03	0.03	0.0	218,217,0	0.10	6.62e-03	6.62e-03	216,45,45			1.00	0.04	0.96
2611	0.19	0.15	0.0	45,44,0	0.10	0.02	0.08	216,44,44	0.24	216	0.87	0.06	0.94
	0.02	0.02	0.0	218,217,0	0.10	6.62e-03	6.62e-03	216,45,45			1.00	0.04	0.96
2612	0.20	0.15	0.0	44,44,0	0.10	0.02	0.08	216,44,44	0.24	216	0.87	0.06	0.94
	0.02	0.02	0.0	218,217,0	0.10	6.62e-03	6.62e-03	216,45,45			1.00	0.04	0.96
2613	0.19	0.15	0.0	45,44,0	0.09	0.03	0.09	216,45,44	0.23	216	0.87	0.06	0.94
	7.15e-03	6.05e-03	0.0	217,218,0	0.09	4.69e-04	4.69e-04	216,235,235			1.00	0.04	0.96
2614	0.20	0.15	0.0	44,44,0	0.09	0.03	0.09	216,45,44	0.23	216	0.87	0.06	0.94
	7.15e-03	6.05e-03	0.0	217,218,0	0.09	4.69e-04	4.69e-04	216,225,225			1.00	0.04	0.96
2615	0.13	0.09	0.0	44,45,0	1.84e-03	0.07	0.07	219,45,45	0.03	219	0.87	0.06	0.94
	0.03	0.02	0.0	234,233,0	1.84e-03	6.19e-03	6.19e-03	219,47,47			1.00	0.04	0.96
2616	0.04	0.03	0.0	44,45,0	1.84e-03	0.06	0.06	219,45,45	0.03	219	0.87	0.06	0.94
	0.03	0.02	0.0	234,233,0	1.84e-03	6.19e-03	6.19e-03	219,47,47			1.00	0.04	0.96
2617	0.19	0.14	0.0	44,45,0	0.08	0.07	0.07	216,45,45	0.22	216	0.87	0.06	0.94
	0.01	0.02	0.0	226,225,0	0.08	6.61e-03	6.61e-03	216,45,45			1.00	0.04	0.96
2618	0.20	0.14	0.0	44,45,0	0.09	0.02	0.02	216,44,44	0.23	216	0.87	0.06	0.94
	3.49e-03	0.01	0.0	45,44,0	0.09	6.61e-03	6.61e-03	216,45,45			1.00	0.04	0.96
2619	0.20	0.14	0.0	44,45,0	0.09	0.03	0.09	216,45,42	0.23	216	0.87	0.06	0.94
	3.31e-03	3.60e-03	0.0	45,44,0	0.09	4.69e-04	4.69e-04	216,225,225			1.00	0.04	0.96
2620	0.17	0.13	0.0	45,44,0	0.09	0.05	0.09	216,45,41	0.23	216	0.87	0.06	0.94
	0.01	5.96e-03	0.0	216,219,0	0.09	2.24e-04	2.24e-04	216,44,44			1.00	0.04	0.96
2621	0.18	0.13	0.0	47,44,0	0.09	0.05	0.09	216,45,44	0.23	216	0.87	0.06	0.94
	0.01	6.40e-03	0.0	216,212,0	0.09	2.24e-04	2.24e-04	216,44,44			1.00	0.04	0.96
2622	0.13	0.09	0.0	48,41,0	0.09	0.07	0.09	216,45,41	0.23	216	0.87	0.06	0.94
	0.01	8.36e-03	0.0	228,231,0	0.09	1.46e-03	1.46e-03	216,44,44			1.00	0.04	0.96
2623	0.13	0.11	0.0	48,216,0	0.09	0.07	0.09	216,45,44	0.23	216	0.87	0.06	0.94
	0.01	8.36e-03	0.0	228,231,0	0.09	1.46e-03	1.46e-03	216,44,44			1.00	0.04	0.96
2624	0.10	0.08	0.0	216,219,0	5.53e-04	0.07	0.07	45,45,45	0.01	219	0.87	0.06	0.94
	0.01	8.36e-03	0.0	228,231,0	3.25e-04	1.46e-03	1.46e-03	219,44,44			1.00	0.04	0.96
2625	0.12	0.11	0.0	219,216,0	8.32e-04	0.07	0.09	44,45,44	0.02	216	0.87	0.06	0.94
	0.01	8.36e-03	0.0	228,231,0	4.58e-04	1.46e-03	1.46e-03	216,44,44			1.00	0.04	0.96
2626	0.18	0.13	0.0	47,42,0	0.09	0.05	0.09	216,45,44	0.23	216	0.87	0.06	0.94
	0.01	6.40e-03	0.0	215,212,0	0.09	2.24e-04	2.24e-04	216,44,44			1.00	0.04	0.96
2627	0.13	0.11	0.0	45,216,0	0.09	0.07	0.09	216,45,44	0.22	216	0.87	0.06	0.94
	0.01	6.40e-03	0.0	215,212,0	0.09	1.46e-03	1.46e-03	216,44,44			1.00	0.04	0.96
2628	0.12	0.11	0.0	219,216,0	8.32e-04	0.07	0.09	44,45,44	0.02	216	0.87	0.06	0.94
	8.01e-03	5.25e-03	0.0	206,48,0	4.58e-04	1.46e-03	1.46e-03	216,44,44			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.20	0.15	0.0	0.10	0.07	0.11	0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
82	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.40	-14.6	173	0.48	17.6	176	0.30	1514.5	-1.929e+05	216

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2629	0.02	0.02	0.0	219,216,0	2.27e-03	0.01	0.01	208,45,45	0.04	208	0.87	0.06	0.94
	0.02	0.01	0.0	228,231,0	2.26e-03	5.09e-03	5.09e-03	208,44,44			1.00	0.04	0.96
2630	0.05	0.04	0.0	219,216,0	2.27e-03	0.01	0.02	208,45,216	0.04	208	0.87	0.06	0.94
	0.13	0.08	0.0	214,213,0	2.26e-03	0.02	0.02	208,44,44			1.00	0.04	0.96

2631	0.05	0.04	0.0 219,216,0	8.42e-03	0.01	0.02208,45,216	0.07	208	0.87	0.06	0.94
	0.13	0.08	0.0 214,213,0	8.42e-03	0.02	0.02 208,44,44			1.00	0.04	0.96
2632	0.02	0.02	0.0 219,216,0	8.42e-03	0.01	0.01 208,45,45	0.07	208	0.87	0.06	0.94
	0.02	0.02	0.0 234,44,0	8.42e-03	7.76e-03	7.76e-03 208,45,45			1.00	0.04	0.96
2633	0.09	0.08	0.0 219,216,0	0.07	7.99e-03	0.02219,44,216	0.20	219	0.87	0.06	0.94
	0.13	0.08	0.0 214,213,0	0.07	0.02	0.02 219,44,44			1.00	0.04	0.96
2634	0.09	0.08	0.0 219,216,0	0.07	7.99e-03	0.02219,44,216	0.20	219	0.87	0.06	0.94
	0.13	0.08	0.0 214,213,0	0.07	0.03	0.03 219,44,44			1.00	0.04	0.96
2635	0.09	0.08	0.0 219,216,0	0.07	7.99e-03	0.01219,44,216	0.20	219	0.87	0.06	0.94
	0.10	0.07	0.0 214,213,0	0.07	0.02	0.02 219,44,44			1.00	0.04	0.96
2636	0.09	0.08	0.0 219,216,0	0.08	7.99e-03	0.01219,44,216	0.22	219	0.87	0.06	0.94
	0.10	0.07	0.0 214,213,0	0.08	0.03	0.03 219,44,44			1.00	0.04	0.96
2637	0.05	0.04	0.0 219,216,0	0.05	5.08e-03	0.01219,216,216	0.16	219	0.87	0.06	0.94
	0.03	0.02	0.0 216,214,0	0.05	0.01	0.01 219,44,44			1.00	0.04	0.96
2638	0.05	0.04	0.0 219,216,0	0.08	5.08e-03	0.01219,216,216	0.22	219	0.87	0.06	0.94
	0.05	0.04	0.0 44,44,0	0.08	0.03	0.03 219,44,44			1.00	0.04	0.96
2639	0.02	9.31e-03	0.0 52,215,0	8.42e-03	6.22e-03	6.22e-03 208,45,45	0.07	208	0.87	0.06	0.94
	0.11	0.08	0.0 41,44,0	8.42e-03	0.04	0.04 208,44,44			1.00	0.04	0.96
2640	0.02	3.76e-03	0.0 52,215,0	8.42e-03	6.22e-03	6.22e-03 208,45,45	0.07	208	0.87	0.06	0.94
	0.04	0.03	0.0 48,44,0	8.42e-03	9.33e-03	9.33e-03 208,48,48			1.00	0.04	0.96
2641	0.03	0.02	0.0 216,219,0	0.07	3.84e-03	6.06e-03219,213,219	0.20	219	0.87	0.06	0.94
	0.14	0.10	0.0 42,44,0	0.07	0.04	0.04 219,44,44			1.00	0.04	0.96
2642	0.03	0.02	0.0 216,219,0	0.08	2.60e-03	5.36e-03214,212,215	0.22	214	0.87	0.06	0.94
	0.14	0.10	0.0 42,44,0	0.08	0.04	0.04 214,44,44			1.00	0.04	0.96
2643	0.02	0.01	0.0 232,215,0	0.09	2.89e-03	5.36e-03214,213,215	0.22	214	0.87	0.06	0.94
	0.13	0.09	0.0 44,44,0	0.09	0.04	0.04 214,44,44			1.00	0.04	0.96
2644	0.02	3.69e-03	0.0 52,213,0	0.01	3.28e-03	3.28e-03211,218,218	0.08	211	0.87	0.06	0.94
	0.11	0.08	0.0 41,44,0	0.01	0.04	0.04 211,44,44			1.00	0.04	0.96
2645	0.02	0.0	0.0 52,0,0	0.01	3.28e-03	3.28e-03211,218,218	0.08	211	0.87	0.06	0.94
	0.04	0.03	0.0 48,44,0	0.01	9.33e-03	9.33e-03 211,48,48			1.00	0.04	0.96
2646	0.02	0.01	0.0 214,213,0	0.07	1.76e-03	2.61e-03214,216,213	0.20	214	0.87	0.06	0.94
	0.14	0.10	0.0 42,44,0	0.07	0.04	0.04 214,44,44			1.00	0.04	0.96
2647	0.02	0.01	0.0 214,213,0	0.08	1.95e-03	2.67e-03214,219,205	0.22	214	0.87	0.06	0.94
	0.14	0.10	0.0 42,44,0	0.08	0.04	0.04 214,44,44			1.00	0.04	0.96
2648	0.02	9.58e-03	0.0 232,235,0	0.09	1.95e-03	2.98e-03214,219,231	0.22	214	0.87	0.06	0.94
	0.13	0.09	0.0 44,44,0	0.09	0.04	0.04 214,44,44			1.00	0.04	0.96
2649	0.04	0.03	0.0 216,219,0	0.05	5.08e-03	8.10e-03219,216,216	0.17	219	0.87	0.06	0.94
	0.05	0.04	0.0 208,211,0	0.05	7.92e-03	7.92e-03 219,44,44			1.00	0.04	0.96
2650	0.04	0.03	0.0 216,219,0	0.08	5.08e-03	8.10e-03219,216,216	0.22	219	0.87	0.06	0.94
	0.05	0.04	0.0 208,211,0	0.08	0.02	0.02 219,44,44			1.00	0.04	0.96
2651	0.06	0.05	0.0 216,219,0	0.05	5.90e-03	7.23e-03 219,45,45	0.17	219	0.87	0.06	0.94
	0.07	0.05	0.0 208,211,0	0.05	4.86e-03	4.86e-03 219,43,43			1.00	0.04	0.96
2652	0.06	0.05	0.0 216,219,0	0.08	5.90e-03	7.23e-03 219,45,45	0.22	219	0.87	0.06	0.94
	0.07	0.05	0.0 208,211,0	0.08	0.02	0.02 219,43,43			1.00	0.04	0.96
2653	0.06	0.05	0.0 216,219,0	2.27e-03	5.90e-03	7.23e-03 211,45,45	0.04	211	0.87	0.06	0.94
	0.07	0.05	0.0 208,211,0	2.26e-03	1.45e-03	1.45e-03 211,45,45			1.00	0.04	0.96
2654	0.06	0.05	0.0 216,219,0	0.01	5.90e-03	7.23e-03 211,45,45	0.09	211	0.87	0.06	0.94
	0.07	0.05	0.0 208,211,0	0.01	5.53e-03	5.53e-03 211,44,44			1.00	0.04	0.96
2655	0.02	0.01	0.0 232,235,0	0.09	2.89e-03	4.04e-03214,213,219	0.22	214	0.87	0.06	0.94
	0.10	0.08	0.0 44,44,0	0.09	0.04	0.04 214,44,44			1.00	0.04	0.96
2656	0.02	0.02	0.0 232,229,0	0.08	3.98e-03	4.94e-03 219,45,46	0.22	219	0.87	0.06	0.94
	0.07	0.06	0.0 48,41,0	0.08	0.03	0.03 219,43,43			1.00	0.04	0.96
2657	0.02	0.02	0.0 230,229,0	0.01	3.98e-03	4.94e-03 219,45,46	0.09	219	0.87	0.06	0.94
	0.06	0.04	0.0 208,211,0	0.01	8.82e-03	8.82e-03 219,44,44			1.00	0.04	0.96
2658	0.02	0.01	0.0 232,235,0	0.09	1.95e-03	2.98e-03214,215,231	0.22	214	0.87	0.06	0.94
	0.10	0.08	0.0 44,44,0	0.09	0.04	0.04 214,44,44			1.00	0.04	0.96
2659	0.02	0.02	0.0 232,229,0	0.08	3.61e-03	4.82e-03213,228,235	0.22	213	0.87	0.06	0.94
	0.07	0.06	0.0 48,41,0	0.08	0.03	0.03 213,43,43			1.00	0.04	0.96
2660	0.02	0.02	0.0 230,229,0	0.01	3.61e-03	4.82e-03216,228,235	0.09	216	0.87	0.06	0.94
	0.03	0.03	0.0 216,219,0	0.01	8.82e-03	8.82e-03 216,44,44			1.00	0.04	0.96
2661	0.05	0.04	0.0 213,214,0	0.01	9.52e-03	0.01211,45,214	0.08	211	0.87	0.06	0.94
	0.13	0.08	0.0 216,219,0	0.01	0.03	0.03 211,44,44			1.00	0.04	0.96
2662	0.02	0.02	0.0 213,214,0	0.01	9.52e-03	9.52e-03 211,45,45	0.08	211	0.87	0.06	0.94
	0.03	0.03	0.0 44,44,0	0.01	9.01e-03	9.01e-03 211,45,45			1.00	0.04	0.96
2663	0.08	0.07	0.0 213,214,0	0.08	6.15e-03	0.01213,218,214	0.21	213	0.87	0.06	0.94
	0.13	0.09	0.0 216,48,0	0.08	0.04	0.04 213,44,44			1.00	0.04	0.96
2664	0.08	0.07	0.0 213,214,0	0.08	5.91e-03	0.01216,44,214	0.22	216	0.87	0.06	0.94
	0.12	0.09	0.0 41,48,0	0.08	0.04	0.04 216,44,44			1.00	0.04	0.96
2665	0.05	0.04	0.0 213,214,0	0.08	4.29e-03	0.01216,218,214	0.22	216	0.87	0.06	0.94
	0.11	0.08	0.0 44,44,0	0.08	0.04	0.04 216,44,44			1.00	0.04	0.96
2666	0.05	0.04	0.0 213,214,0	2.84e-03	9.52e-03	0.01210,45,214	0.04	210	0.87	0.06	0.94
	0.13	0.08	0.0 216,219,0	2.84e-03	0.02	0.02 210,44,44			1.00	0.04	0.96
2667	0.02	0.02	0.0 213,214,0	2.84e-03	9.52e-03	9.52e-03 210,45,45	0.04	210	0.87	0.06	0.94
	0.03	0.02	0.0 218,217,0	2.84e-03	5.68e-03	5.68e-03 210,44,44			1.00	0.04	0.96
2668	0.08	0.07	0.0 213,214,0	0.08	6.15e-03	0.01213,218,214	0.21	213	0.87	0.06	0.94

	0.13	0.08	0.0	216,219,0	0.08	0.02	0.02	213,44,44			1.00	0.04	0.96
2669	0.08	0.07	0.0	213,214,0	0.08	5.91e-03	0.01	213,44,214	0.21	213	0.87	0.06	0.94
	0.11	0.07	0.0	212,215,0	0.08	0.02	0.02	213,44,44			1.00	0.04	0.96
2670	0.05	0.04	0.0	213,214,0	0.06	4.29e-03	0.01	213,218,214	0.18	213	0.87	0.06	0.94
	0.03	0.02	0.0	219,216,0	0.06	0.02	0.02	213,44,44			1.00	0.04	0.96
2671	0.02	0.02	0.0	213,214,0	0.08	4.29e-03	7.62e-03	216,218,214	0.22	216	0.87	0.06	0.94
	0.09	0.07	0.0	44,44,0	0.08	0.04	0.04	216,44,44			1.00	0.04	0.96
2672	0.02	0.02	0.0	219,216,0	0.08	5.38e-03	6.48e-03	213,45,45	0.22	213	0.87	0.06	0.94
	0.06	0.05	0.0	214,41,0	0.08	0.03	0.03	213,44,44			1.00	0.04	0.96
2673	0.02	0.02	0.0	219,216,0	0.01	5.38e-03	6.48e-03	216,45,45	0.09	216	0.87	0.06	0.94
	0.06	0.05	0.0	214,213,0	0.01	8.13e-03	8.13e-03	216,44,44			1.00	0.04	0.96
2674	0.02	0.02	0.0	213,214,0	0.05	4.29e-03	7.62e-03	213,218,214	0.18	213	0.87	0.06	0.94
	0.05	0.04	0.0	214,213,0	0.05	0.01	0.01	213,44,44			1.00	0.04	0.96
2675	0.02	0.02	0.0	219,216,0	0.05	5.38e-03	6.48e-03	213,45,45	0.18	213	0.87	0.06	0.94
	0.06	0.05	0.0	214,213,0	0.05	7.47e-03	7.47e-03	213,44,44			1.00	0.04	0.96
2676	0.02	0.02	0.0	219,216,0	2.77e-03	5.38e-03	6.48e-03	216,45,45	0.04	216	0.87	0.06	0.94
	0.06	0.05	0.0	214,213,0	2.77e-03	2.34e-03	2.34e-03	216,45,45			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.10	0.0	0.09	0.04	0.04	0.22

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
83	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.26	kN -2.4	183	0.12	kN 1.1	179	0.20	kN 215.6	kN m 3.340e+04	219

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2677	0.04	0.03	0.0	43,46,0	2.76e-03	0.06	0.06	212,45,45	0.04	212	0.87	0.06	0.94
	0.01	0.01	0.0	232,42,0	2.76e-03	6.09e-03	6.09e-03	212,44,44			1.00	0.04	0.96
2678	0.13	0.09	0.0	47,46,0	2.76e-03	0.07	0.07	212,45,45	0.04	212	0.87	0.06	0.94
	0.03	0.03	0.0	218,217,0	2.76e-03	6.09e-03	6.09e-03	212,44,44			1.00	0.04	0.96
2679	0.13	0.10	0.0	47,44,0	2.76e-03	0.07	0.11	212,45,44	0.04	212	0.87	0.06	0.94
	0.03	0.03	0.0	218,217,0	2.76e-03	6.26e-03	6.26e-03	212,45,45			1.00	0.04	0.96
2680	0.04	0.03	0.0	43,44,0	2.76e-03	0.06	0.08	212,45,43	0.04	212	0.87	0.06	0.94
	0.01	0.01	0.0	234,42,0	2.76e-03	6.26e-03	6.26e-03	212,45,45			1.00	0.04	0.96
2681	0.19	0.14	0.0	47,42,0	0.09	0.07	0.08	219,45,42	0.23	219	0.87	0.06	0.94
	0.03	0.03	0.0	218,217,0	0.09	6.68e-03	6.68e-03	219,45,45			1.00	0.04	0.96
2682	0.19	0.14	0.0	47,44,0	0.09	0.07	0.11	219,45,44	0.23	219	0.87	0.06	0.94
	0.03	0.03	0.0	218,217,0	0.09	6.80e-03	6.80e-03	219,45,45			1.00	0.04	0.96
2683	0.20	0.15	0.0	47,42,0	0.09	0.02	0.08	219,44,42	0.23	219	0.87	0.06	0.94
	0.03	0.02	0.0	218,217,0	0.09	6.68e-03	6.68e-03	219,45,45			1.00	0.04	0.96
2684	0.20	0.15	0.0	47,44,0	0.09	0.02	0.08	219,44,44	0.23	219	0.87	0.06	0.94
	0.03	0.02	0.0	218,217,0	0.09	6.80e-03	6.80e-03	219,45,45			1.00	0.04	0.96
2685	0.20	0.15	0.0	47,42,0	0.08	0.03	0.09	219,45,42	0.22	219	0.87	0.06	0.94
	7.38e-03	5.97e-03	0.0	217,218,0	0.08	6.45e-04	6.45e-04	219,231,231			1.00	0.04	0.96
2686	0.20	0.15	0.0	47,44,0	0.08	0.03	0.09	219,41,42	0.22	219	0.87	0.06	0.94
	7.38e-03	5.97e-03	0.0	217,218,0	0.08	6.45e-04	6.45e-04	219,231,231			1.00	0.04	0.96
2687	0.13	0.10	0.0	45,44,0	1.40e-03	0.07	0.11	215,45,44	0.03	215	0.87	0.06	0.94
	0.01	0.01	0.0	234,233,0	1.39e-03	6.26e-03	6.26e-03	215,45,45			1.00	0.04	0.96
2688	0.04	0.03	0.0	45,44,0	1.40e-03	0.06	0.08	215,45,43	0.03	215	0.87	0.06	0.94
	0.01	0.01	0.0	234,42,0	1.39e-03	6.26e-03	6.26e-03	215,45,45			1.00	0.04	0.96
2689	0.19	0.14	0.0	45,44,0	0.08	0.07	0.11	219,45,44	0.22	219	0.87	0.06	0.94
	6.37e-03	0.01	0.0	234,44,0	0.08	6.80e-03	6.80e-03	219,45,45			1.00	0.04	0.96
2690	0.20	0.15	0.0	45,44,0	0.08	0.02	0.08	219,48,44	0.22	219	0.87	0.06	0.94
	2.98e-03	0.01	0.0	45,44,0	0.08	6.80e-03	6.80e-03	219,45,45			1.00	0.04	0.96
2691	0.20	0.15	0.0	45,44,0	0.08	0.03	0.09	219,41,42	0.22	219	0.87	0.06	0.94
	3.38e-03	3.65e-03	0.0	47,44,0	0.08	5.85e-04	5.85e-04	219,230,230			1.00	0.04	0.96
2692	0.18	0.13	0.0	47,42,0	0.08	0.05	0.09	219,45,44	0.22	219	0.87	0.06	0.94
	9.76e-03	5.86e-03	0.0	216,219,0	0.08	2.26e-04	2.26e-04	219,44,44			1.00	0.04	0.96
2693	0.18	0.13	0.0	47,42,0	0.08	0.05	0.09	219,41,44	0.22	219	0.87	0.06	0.94
	9.76e-03	5.86e-03	0.0	216,219,0	0.08	2.26e-04	2.26e-04	219,44,44			1.00	0.04	0.96
2694	0.12	0.09	0.0	45,44,0	0.08	0.07	0.09	219,45,44	0.22	219	0.87	0.06	0.94
	9.76e-03	5.86e-03	0.0	216,219,0	0.08	1.49e-03	1.49e-03	219,44,44			1.00	0.04	0.96
2695	0.13	0.10	0.0	43,216,0	0.08	0.07	0.09	219,41,44	0.22	219	0.87	0.06	0.94
	9.76e-03	5.86e-03	0.0	216,219,0	0.08	1.49e-03	1.49e-03	219,44,44			1.00	0.04	0.96
2696	0.09	0.08	0.0	216,219,0	8.37e-04	0.07	0.09	44,45,44	0.01	219	0.87	0.06	0.94
	8.32e-03	5.06e-03	0.0	228,231,0	3.71e-04	1.49e-03	1.49e-03	219,44,44			1.00	0.04	0.96

2697	0.12	0.10	0.0 219,216,0	8.37e-04	0.07	0.09	44,41,44	0.02	219	0.87	0.06	0.94
	8.67e-03	5.06e-03	0.0 206,231,0	3.97e-04	1.49e-03	1.49e-03	219,44,44			1.00	0.04	0.96
2698	0.18	0.13	0.0 47,42,0	0.08	0.05	0.09	219,41,42	0.22	219	0.87	0.06	0.94
	9.18e-03	5.10e-03	0.0 215,212,0	0.08	2.22e-04	2.22e-04	219,45,45			1.00	0.04	0.96
2699	0.13	0.10	0.0 43,216,0	0.08	0.07	0.07	219,41,41	0.22	219	0.87	0.06	0.94
	9.18e-03	5.10e-03	0.0 215,212,0	0.08	1.37e-03	1.37e-03	219,44,44			1.00	0.04	0.96
2700	0.12	0.10	0.0 219,216,0	5.56e-04	0.07	0.07	43,41,41	0.02	219	0.87	0.06	0.94
	8.67e-03	4.76e-03	0.0 206,205,0	3.97e-04	1.37e-03	1.37e-03	219,44,44			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.20	0.15	0.0	0.09	0.07	0.11	0.23

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
84	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.44	kN	177	0.48	kN	179	0.23	kN	kN m	205
		-7.6			-8.3			388.7	-7.763e+04	

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2701	0.02	0.01	0.0 219,213,0	3.74e-03	0.01	0.01	209,41,41	0.05	209	0.87	0.06	0.94	
	0.02	0.01	0.0 204,207,0	3.74e-03	5.53e-03	5.53e-03	209,218,218			1.00	0.04	0.96	
2702	0.05	0.04	0.0 219,216,0	3.74e-03	0.01	0.02	209,41,216	0.05	209	0.87	0.06	0.94	
	0.13	0.08	0.0 214,213,0	3.74e-03	0.01	0.01	209,46,46			1.00	0.04	0.96	
2703	0.05	0.04	0.0 219,216,0	6.36e-03	0.01	0.02	209,41,216	0.06	209	0.87	0.06	0.94	
	0.13	0.08	0.0 214,213,0	6.36e-03	0.02	0.02	209,48,48			1.00	0.04	0.96	
2704	0.02	0.01	0.0 219,213,0	6.36e-03	0.01	0.01	209,41,41	0.06	209	0.87	0.06	0.94	
	0.02	0.01	0.0 204,207,0	6.36e-03	5.53e-03	5.53e-03	209,218,218			1.00	0.04	0.96	
2705	0.08	0.06	0.0 219,216,0	0.07	0.01	0.02	219,219,216	0.21	219	0.87	0.06	0.94	
	0.13	0.08	0.0 214,213,0	0.07	0.02	0.02	219,48,48			1.00	0.04	0.96	
2706	0.08	0.06	0.0 219,216,0	0.07	0.01	0.02	219,219,216	0.21	219	0.87	0.06	0.94	
	0.13	0.08	0.0 214,213,0	0.07	0.03	0.03	219,48,48			1.00	0.04	0.96	
2707	0.08	0.06	0.0 219,216,0	0.07	7.36e-03	0.02	219,219,216	0.21	219	0.87	0.06	0.94	
	0.10	0.06	0.0 214,213,0	0.07	0.02	0.02	219,48,48			1.00	0.04	0.96	
2708	0.08	0.06	0.0 219,216,0	0.08	7.36e-03	0.02	214,219,216	0.22	214	0.87	0.06	0.94	
	0.10	0.06	0.0 214,46,0	0.08	0.03	0.03	214,44,44			1.00	0.04	0.96	
2709	0.05	0.03	0.0 219,216,0	0.06	7.36e-03	0.01	219,219,216	0.19	219	0.87	0.06	0.94	
	0.03	0.02	0.0 213,214,0	0.06	0.01	0.01	219,44,44			1.00	0.04	0.96	
2710	0.05	0.03	0.0 219,216,0	0.09	7.36e-03	0.01	214,219,216	0.23	214	0.87	0.06	0.94	
	0.08	0.06	0.0 44,44,0	0.09	0.03	0.03	214,44,44			1.00	0.04	0.96	
2711	0.04	0.02	0.0 216,219,0	6.36e-03	3.75e-03	6.01e-03	209,45,219	0.06	209	0.87	0.06	0.94	
	0.11	0.07	0.0 214,213,0	6.36e-03	0.02	0.02	209,48,48			1.00	0.04	0.96	
2712	0.02	7.52e-03	0.0 209,210,0	6.36e-03	3.75e-03	3.75e-03	209,45,45	0.06	209	0.87	0.06	0.94	
	0.02	9.69e-03	0.0 209,210,0	6.36e-03	1.17e-03	1.17e-03	209,210,210			1.00	0.04	0.96	
2713	0.04	0.03	0.0 216,219,0	0.07	2.30e-03	6.01e-03	214,219,219	0.21	214	0.87	0.06	0.94	
	0.11	0.07	0.0 214,213,0	0.07	0.03	0.03	214,48,48			1.00	0.04	0.96	
2714	0.04	0.03	0.0 216,219,0	0.08	1.90e-03	5.33e-03	214,206,215	0.22	214	0.87	0.06	0.94	
	0.09	0.06	0.0 214,46,0	0.08	0.03	0.03	214,44,44			1.00	0.04	0.96	
2715	0.03	0.02	0.0 216,219,0	0.09	1.90e-03	5.06e-03	214,206,219	0.23	214	0.87	0.06	0.94	
	0.08	0.06	0.0 44,44,0	0.09	0.03	0.03	214,44,44			1.00	0.04	0.96	
2716	0.03	0.03	0.0 216,206,0	0.06	7.08e-03	8.52e-03	219,219,46	0.19	219	0.87	0.06	0.94	
	0.06	0.05	0.0 216,211,0	0.06	9.77e-03	9.77e-03	219,44,44			1.00	0.04	0.96	
2717	0.03	0.03	0.0 216,206,0	0.09	7.08e-03	8.52e-03	214,219,46	0.23	214	0.87	0.06	0.94	
	0.07	0.05	0.0 44,211,0	0.09	0.03	0.03	214,44,44			1.00	0.04	0.96	
2718	0.04	0.04	0.0 216,219,0	0.06	9.24e-03	0.01	219,45,46	0.19	219	0.87	0.06	0.94	
	0.07	0.05	0.0 216,219,0	0.06	7.35e-03	7.35e-03	219,211,211			1.00	0.04	0.96	
2719	0.04	0.04	0.0 216,219,0	0.08	9.24e-03	0.01	214,45,46	0.22	214	0.87	0.06	0.94	
	0.07	0.05	0.0 216,219,0	0.08	0.03	0.03	214,44,44			1.00	0.04	0.96	
2720	0.04	0.04	0.0 216,219,0	2.78e-03	9.24e-03	0.01	206,45,46	0.04	206	0.87	0.06	0.94	
	0.07	0.05	0.0 216,219,0	2.78e-03	1.78e-03	1.78e-03	206,207,207			1.00	0.04	0.96	
2721	0.04	0.04	0.0 216,219,0	0.01	9.24e-03	0.01	219,45,46	0.08	219	0.87	0.06	0.94	
	0.07	0.05	0.0 216,219,0	0.01	4.48e-03	4.48e-03	219,207,207			1.00	0.04	0.96	
2722	0.03	0.02	0.0 230,229,0	0.09	1.68e-03	3.19e-03	214,222,229	0.23	214	0.87	0.06	0.94	
	0.07	0.05	0.0 44,211,0	0.09	0.03	0.03	214,44,44			1.00	0.04	0.96	
2723	0.03	0.03	0.0 230,229,0	0.08	3.75e-03	5.77e-03	214,230,229	0.22	214	0.87	0.06	0.94	
	0.06	0.05	0.0 208,211,0	0.08	0.03	0.03	214,44,44			1.00	0.04	0.96	
2724	0.03	0.03	0.0 230,229,0	0.01	3.75e-03	5.77e-03	219,230,229	0.08	219	0.87	0.06	0.94	
	0.04	0.03	0.0 208,211,0	0.01	4.48e-03	4.48e-03	219,207,207			1.00	0.04	0.96	

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.08	0.0	0.09	0.03	0.03	0.23

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
85	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.95	235.0	203	0.82	202.0	203	0.97	-1.586e+04	8.748e+06	229

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
205	0.05	0.12	0.0	229,230,0	0.06	4.72e-03	0.0252,219,232		0.19	52	0.87	0.06	0.94
	0.04	0.04	0.0	216,219,0	0.06	8.90e-03	8.90e-0352,219,219				1.00	0.04	0.96
206	0.05	0.12	0.0	235,230,0	0.10	7.47e-03	0.02235,215,216		0.25	235	0.87	0.06	0.94
	0.03	0.02	0.0	216,219,0	0.10	3.26e-03	3.26e-03235,219,219				1.00	0.04	0.96
209	0.05	0.12	0.0	235,232,0	0.13	7.47e-03	0.02235,215,216		0.28	235	0.87	0.06	0.94
	0.02	0.02	0.0	216,219,0	0.13	2.03e-03	2.03e-03235,215,215				1.00	0.04	0.96
212	0.01	0.08	0.0	235,232,0	0.14	6.78e-03	0.02235,215,216		0.29	235	0.87	0.06	0.94
	0.02	0.02	0.0	216,219,0	0.14	5.71e-04	5.71e-04235,231,231				1.00	0.04	0.96
215	0.0	0.06	0.0	0,52,0	0.14	5.97e-03	0.01235,219,216		0.29	235	0.0	0.0	0.0
	0.02	0.02	0.0	216,219,0	0.14	1.43e-03	1.43e-03235,212,212				1.00	0.04	0.96
218	0.0	0.06	0.0	0,52,0	0.15	5.67e-03	9.64e-03235,214,206		0.29	235	0.0	0.0	0.0
	0.01	0.01	0.0	230,229,0	0.15	1.43e-03	1.43e-03235,212,212				1.00	0.04	0.96
221	0.0	0.05	0.0	0,52,0	0.15	5.48e-03	9.53e-03235,217,218		0.29	235	0.0	0.0	0.0
	0.01	0.02	0.0	230,229,0	0.15	4.24e-04	4.24e-04235,204,204				1.00	0.04	0.96
224	0.0	0.06	0.0	0,52,0	0.14	5.09e-03	9.26e-03232,209,210		0.29	232	0.0	0.0	0.0
	0.02	0.02	0.0	230,229,0	0.14	4.24e-04	4.24e-04232,233,233				1.00	0.04	0.96
227	2.43e-03	0.06	0.0	212,52,0	0.14	4.83e-03	9.49e-03232,209,207		0.29	232	0.87	0.06	0.94
	0.02	0.02	0.0	230,229,0	0.14	9.44e-04	9.44e-04232,229,229				1.00	0.04	0.96
230	0.02	0.09	0.0	212,235,0	0.14	4.16e-03	0.01232,209,235		0.28	232	0.87	0.06	0.94
	0.02	0.02	0.0	230,229,0	0.14	2.47e-03	2.47e-03232,224,224				1.00	0.04	0.96
233	0.10	0.24	0.0	232,235,0	0.12	4.03e-03	0.03232,231,235		0.26	232	0.87	0.06	0.94
	0.02	0.02	0.0	230,229,0	0.12	2.47e-03	2.47e-03232,224,224				1.00	0.04	0.96
2136	0.10	0.24	0.0	232,235,0	0.09	4.03e-03	0.03230,231,235		0.23	230	0.87	0.06	0.94
	0.02	0.02	0.0	230,229,0	0.09	1.54e-03	1.54e-03230,206,206				1.00	0.04	0.96
2137	0.10	0.24	0.0	232,235,0	0.09	4.03e-03	0.03230,231,235		0.23	230	0.87	0.06	0.94
	0.04	0.03	0.0	212,215,0	0.09	0.02	0.02230,207,207				1.00	0.04	0.96
2140	0.07	0.20	0.0	232,235,0	0.07	4.82e-03	0.03230,207,235		0.20	230	0.87	0.06	0.94
	0.04	0.03	0.0	212,215,0	0.07	0.02	0.02230,207,207				1.00	0.04	0.96
2142	0.05	0.17	0.0	232,235,0	0.06	4.82e-03	0.02230,207,207		0.19	230	0.87	0.06	0.94
	0.04	0.03	0.0	235,219,0	0.06	8.80e-03	8.80e-03230,207,207				1.00	0.04	0.96
2144	0.03	0.14	0.0	216,235,0	0.05	3.98e-03	0.02230,204,207		0.18	230	0.87	0.06	0.94
	0.04	0.03	0.0	235,235,0	0.05	5.69e-03	5.69e-03230,235,235				1.00	0.04	0.96
2196	0.02	0.12	0.0	208,219,0	0.06	0.01	0.03230,210,210		0.18	230	0.87	0.06	0.94
	0.06	0.06	0.0	229,234,0	0.06	0.01	0.01230,204,204				1.00	0.04	0.96
2198	9.23e-03	0.11	0.0	204,52,0	0.06	0.02	0.03230,210,210		0.18	230	0.87	0.06	0.94
	0.06	0.07	0.0	229,230,0	0.06	0.01	0.01230,207,207				1.00	0.04	0.96
2200	0.0	0.09	0.0	0,52,0	7.20e-03	0.02	0.03230,210,210		0.06	230	0.0	0.0	0.0
	0.06	0.07	0.0	229,230,0	7.15e-03	0.01	0.01230,207,207				1.00	0.04	0.96
2711	0.07	0.05	0.0	216,219,0	0.03	0.03	0.05219,214,214		0.13	219	0.87	0.06	0.94
	0.08	0.06	0.0	44,44,0	0.03	0.06	0.06219,214,214				1.00	0.04	0.96
2712	0.03	0.01	0.0	205,206,0	0.03	0.03	0.03219,219,219		0.12	219	0.87	0.06	0.94
	0.01	9.82e-03	0.0	47,46,0	0.03	7.21e-03	7.21e-03219,217,217				1.00	0.04	0.96
2713	0.07	0.05	0.0	216,219,0	0.03	0.03	0.05219,219,219		0.14	219	0.87	0.06	0.94
	0.10	0.08	0.0	44,44,0	0.03	0.06	0.06219,214,214				1.00	0.04	0.96
2714	0.07	0.05	0.0	216,219,0	0.04	0.03	0.05219,219,219		0.15	219	0.87	0.06	0.94
	0.10	0.08	0.0	44,44,0	0.04	0.05	0.05219,214,214				1.00	0.04	0.96
2715	0.03	0.02	0.0	216,219,0	0.04	0.02	0.02219,219,219		0.15	219	0.87	0.06	0.94
	0.10	0.08	0.0	44,44,0	0.04	0.01	0.01219,48,48				1.00	0.04	0.96
2722	0.04	0.03	0.0	206,235,0	0.04	0.02	0.03219,206,219		0.15	219	0.87	0.06	0.94
	0.09	0.07	0.0	44,44,0	0.04	0.04	0.04219,211,211				1.00	0.04	0.96
2723	0.04	0.03	0.0	206,235,0	0.04	0.03	0.04219,219,219		0.15	219	0.87	0.06	0.94
	0.06	0.05	0.0	43,44,0	0.04	0.04	0.04219,211,211				1.00	0.04	0.96
2724	0.03	0.03	0.0	206,235,0	0.03	0.03	0.04219,219,219		0.14	219	0.87	0.06	0.94
	8.71e-03	9.09e-03	0.0	45,44,0	0.03	0.02	0.02219,206,206				1.00	0.04	0.96
2725	0.07	0.05	0.0	216,219,0	0.04	0.03	0.05219,214,214		0.16	219	0.87	0.06	0.94
	0.08	0.06	0.0	44,44,0	0.04	0.06	0.06219,214,214				1.00	0.04	0.96
2726	0.03	0.01	0.0	205,206,0	0.04	0.03	0.03219,219,219		0.15	219	0.87	0.06	0.94
	0.04	0.03	0.0	216,219,0	0.04	7.21e-03	7.21e-03219,217,217				1.00	0.04	0.96

2727	0.07	0.05	0.0 216,219,0	0.04	0.03	0.05219,219,219	0.16	219	0.87	0.06	0.94
	0.10	0.08	0.0 44,44,0	0.04	0.06	0.06219,214,214			1.00	0.04	0.96
2728	0.07	0.05	0.0 216,219,0	0.04	0.03	0.05219,219,219	0.16	219	0.87	0.06	0.94
	0.10	0.08	0.0 44,44,0	0.04	0.05	0.05219,214,214			1.00	0.04	0.96
2729	0.03	0.02	0.0 216,219,0	0.04	0.02	0.02219,219,219	0.16	219	0.87	0.06	0.94
	0.10	0.08	0.0 44,44,0	0.04	0.01	0.01 219,48,48			1.00	0.04	0.96
2730	0.02	0.04	0.0 229,230,0	0.06	0.01	0.0152,206,205	0.19	52	0.87	0.06	0.94
	0.08	0.06	0.0 215,215,0	0.06	9.40e-03	9.40e-03 52,48,48			1.00	0.04	0.96
2731	0.02	0.04	0.0 229,230,0	0.06	0.01	0.0152,206,205	0.19	52	0.87	0.06	0.94
	0.04	0.04	0.0 216,219,0	0.06	8.90e-03	8.90e-0352,219,219			1.00	0.04	0.96
2732	0.02	0.04	0.0 229,230,0	0.06	3.99e-03	0.01219,219,206	0.18	219	0.87	0.06	0.94
	0.08	0.06	0.0 215,219,0	0.06	0.01	0.01 219,48,48			1.00	0.04	0.96
2733	0.02	0.04	0.0 229,230,0	0.05	0.01	0.02219,219,206	0.18	219	0.87	0.06	0.94
	0.08	0.06	0.0 215,219,0	0.05	0.01	0.01219,218,218			1.00	0.04	0.96
2734	0.01	0.04	0.0 229,230,0	0.05	0.01	0.02219,219,206	0.18	219	0.87	0.06	0.94
	0.07	0.06	0.0 44,44,0	0.05	0.01	0.01219,218,218			1.00	0.04	0.96
2735	0.05	0.12	0.0 229,230,0	0.06	4.72e-03	0.0252,219,232	0.19	52	0.87	0.06	0.94
	0.08	0.05	0.0 215,212,0	0.06	8.90e-03	8.90e-0352,219,219			1.00	0.04	0.96
2736	0.04	0.11	0.0 229,230,0	0.06	2.69e-03	0.01235,215,232	0.18	235	0.87	0.06	0.94
	0.08	0.06	0.0 215,219,0	0.06	9.28e-03	9.28e-03 235,44,44			1.00	0.04	0.96
2737	0.03	0.10	0.0 235,230,0	0.06	2.63e-03	0.01235,214,232	0.19	235	0.87	0.06	0.94
	0.08	0.06	0.0 215,219,0	0.06	9.34e-03	9.34e-03 235,44,44			1.00	0.04	0.96
2738	0.03	0.09	0.0 229,230,0	0.06	2.63e-03	0.01235,214,232	0.19	235	0.87	0.06	0.94
	0.05	0.04	0.0 216,215,0	0.06	9.34e-03	9.34e-03 235,44,44			1.00	0.04	0.96
2739	0.04	0.03	0.0 206,235,0	0.04	0.02	0.03219,206,219	0.16	219	0.87	0.06	0.94
	0.09	0.07	0.0 44,44,0	0.04	0.04	0.04219,211,211			1.00	0.04	0.96
2740	0.04	0.03	0.0 206,235,0	0.04	0.03	0.04219,219,219	0.15	219	0.87	0.06	0.94
	0.06	0.05	0.0 43,44,0	0.04	0.04	0.04219,211,211			1.00	0.04	0.96
2741	0.03	0.03	0.0 206,235,0	0.04	0.03	0.04219,219,219	0.14	219	0.87	0.06	0.94
	0.03	0.02	0.0 206,206,0	0.04	0.02	0.02219,206,206			1.00	0.04	0.96
2742	0.01	0.04	0.0 229,230,0	0.05	8.97e-03	0.01219,206,219	0.17	219	0.87	0.06	0.94
	0.06	0.05	0.0 48,44,0	0.05	0.01	0.01 219,44,44			1.00	0.04	0.96
2743	8.45e-03	0.04	0.0 229,230,0	0.05	8.63e-03	0.01219,219,219	0.17	219	0.87	0.06	0.94
	0.03	0.03	0.0 45,48,0	0.05	8.13e-03	8.13e-03219,214,214			1.00	0.04	0.96
2744	5.30e-03	0.04	0.0 229,230,0	0.04	8.63e-03	0.01219,219,219	0.16	219	0.87	0.06	0.94
	0.03	0.02	0.0 206,206,0	0.04	5.90e-03	5.90e-03219,206,206			1.00	0.04	0.96
2745	0.02	0.08	0.0 229,230,0	0.06	2.65e-03	0.01235,215,218	0.19	235	0.87	0.06	0.94
	0.03	0.03	0.0 48,48,0	0.06	8.13e-03	8.13e-03235,214,214			1.00	0.04	0.96
2746	0.02	0.07	0.0 229,230,0	0.06	3.67e-03	9.46e-03235,215,218	0.19	235	0.87	0.06	0.94
	0.02	0.02	0.0 46,48,0	0.06	8.13e-03	8.13e-03235,214,214			1.00	0.04	0.96
2747	0.02	0.07	0.0 229,230,0	0.05	3.67e-03	8.51e-03235,215,218	0.18	235	0.87	0.06	0.94
	0.01	7.45e-03	0.0 218,210,0	0.05	4.13e-03	4.13e-03235,211,211			1.00	0.04	0.96
2748	0.05	0.12	0.0 235,230,0	0.10	7.47e-03	0.02235,215,216	0.25	235	0.87	0.06	0.94
	0.06	0.04	0.0 216,219,0	0.10	8.22e-03	8.22e-03235,219,219			1.00	0.04	0.96
2749	0.05	0.12	0.0 235,232,0	0.10	4.33e-03	0.02235,215,216	0.24	235	0.87	0.06	0.94
	0.06	0.05	0.0 216,219,0	0.10	8.22e-03	8.22e-03235,219,219			1.00	0.04	0.96
2750	0.04	0.11	0.0 235,232,0	0.10	1.38e-03	0.01235,211,232	0.24	235	0.87	0.06	0.94
	0.06	0.05	0.0 216,219,0	0.10	7.28e-03	7.28e-03235,219,219			1.00	0.04	0.96
2751	0.03	0.09	0.0 229,230,0	0.10	2.62e-03	0.01235,215,232	0.24	235	0.87	0.06	0.94
	0.05	0.04	0.0 216,219,0	0.10	6.30e-03	6.30e-03 235,44,44			1.00	0.04	0.96
2752	0.05	0.12	0.0 235,232,0	0.13	7.47e-03	0.02235,215,216	0.28	235	0.87	0.06	0.94
	0.04	0.03	0.0 216,219,0	0.13	5.39e-03	5.39e-03235,219,219			1.00	0.04	0.96
2753	0.05	0.12	0.0 235,232,0	0.13	4.54e-03	0.02235,215,216	0.27	235	0.87	0.06	0.94
	0.05	0.03	0.0 216,219,0	0.13	6.03e-03	6.03e-03235,219,219			1.00	0.04	0.96
2754	0.04	0.11	0.0 235,232,0	0.13	1.86e-03	0.01235,215,232	0.27	235	0.87	0.06	0.94
	0.05	0.03	0.0 216,219,0	0.13	6.03e-03	6.03e-03235,219,219			1.00	0.04	0.96
2755	0.03	0.09	0.0 229,230,0	0.12	2.62e-03	0.01235,215,232	0.27	235	0.87	0.06	0.94
	0.05	0.03	0.0 216,219,0	0.12	3.61e-03	3.61e-03 235,44,44			1.00	0.04	0.96
2756	0.02	0.08	0.0 235,232,0	0.14	6.78e-03	0.02235,215,216	0.29	235	0.87	0.06	0.94
	0.03	0.02	0.0 216,219,0	0.14	2.84e-03	2.84e-03235,219,219			1.00	0.04	0.96
2757	0.02	0.08	0.0 235,232,0	0.14	4.54e-03	0.02235,215,216	0.29	235	0.87	0.06	0.94
	0.03	0.02	0.0 216,219,0	0.14	4.01e-03	4.01e-03235,214,214			1.00	0.04	0.96
2758	0.02	0.08	0.0 235,232,0	0.14	2.15e-03	0.01235,219,216	0.29	235	0.87	0.06	0.94
	0.03	0.02	0.0 216,215,0	0.14	4.01e-03	4.01e-03235,214,214			1.00	0.04	0.96
2759	0.02	0.07	0.0 235,232,0	0.14	2.47e-03	0.01235,215,216	0.28	235	0.87	0.06	0.94
	0.03	0.02	0.0 216,215,0	0.14	3.54e-03	3.54e-03235,219,219			1.00	0.04	0.96
2760	0.0	0.06	0.0 0,52,0	0.15	5.97e-03	0.01235,219,216	0.29	235	0.0	0.0	0.0
	0.02	0.02	0.0 216,219,0	0.15	1.74e-03	1.74e-03235,219,219			1.00	0.04	0.96
2761	0.0	0.06	0.0 0,52,0	0.15	4.35e-03	0.01235,219,216	0.29	235	0.0	0.0	0.0
	0.02	0.02	0.0 216,219,0	0.15	2.59e-03	2.59e-03235,216,216			1.00	0.04	0.96
2762	0.0	0.06	0.0 0,52,0	0.15	2.15e-03	0.01235,219,216	0.29	235	0.0	0.0	0.0
	0.02	0.02	0.0 212,215,0	0.15	2.97e-03	2.97e-03235,216,216			1.00	0.04	0.96
2763	0.0	0.06	0.0 0,52,0	0.15	2.45e-03	0.01235,215,216	0.29	235	0.0	0.0	0.0
	0.02	0.02	0.0 212,215,0	0.15	2.97e-03	2.97e-03235,216,216			1.00	0.04	0.96
2764	0.0	0.06	0.0 0,52,0	0.15	5.67e-03	0.01235,214,213	0.29	235	0.0	0.0	0.0

	0.01	0.01	0.0 216,229,0	0.15	1.43e-03	1.43e-03235,212,212			1.00	0.04	0.96
2765	0.0	0.06	0.0 0,52,0	0.15	3.98e-03	0.01235,214,213	0.29	235	0.0	0.0	0.0
	0.01	0.01	0.0 216,219,0	0.15	1.79e-03	1.79e-03235,213,213			1.00	0.04	0.96
2766	0.0	0.05	0.0 0,52,0	0.15	2.05e-03	9.43e-03235,213,213	0.29	235	0.0	0.0	0.0
	0.01	0.01	0.0 212,215,0	0.15	2.17e-03	2.17e-03235,213,213			1.00	0.04	0.96
2767	0.0	0.05	0.0 0,52,0	0.15	2.03e-03	9.12e-03235,215,214	0.29	235	0.0	0.0	0.0
	0.01	0.01	0.0 212,215,0	0.15	2.17e-03	2.17e-03235,213,213			1.00	0.04	0.96
2768	0.0	0.05	0.0 0,52,0	0.15	5.48e-03	9.74e-03235,217,218	0.29	235	0.0	0.0	0.0
	0.01	0.02	0.0 230,229,0	0.15	1.05e-03	1.05e-03235,212,212			1.00	0.04	0.96
2769	0.0	0.05	0.0 0,52,0	0.15	3.68e-03	9.74e-03235,217,218	0.29	235	0.0	0.0	0.0
	9.27e-03	0.01	0.0 216,219,0	0.15	1.41e-03	1.41e-03235,212,212			1.00	0.04	0.96
2770	0.0	0.05	0.0 0,52,0	0.15	1.86e-03	9.06e-03235,217,218	0.29	235	0.0	0.0	0.0
	9.19e-03	9.18e-03	0.0 216,219,0	0.15	2.00e-03	2.00e-03235,215,215			1.00	0.04	0.96
2771	0.0	0.05	0.0 0,52,0	0.15	1.84e-03	8.87e-03235,217,218	0.29	235	0.0	0.0	0.0
	8.49e-03	9.62e-03	0.0 217,218,0	0.15	2.56e-03	2.56e-03235,215,215			1.00	0.04	0.96
2772	0.0	0.06	0.0 0,52,0	0.14	5.09e-03	9.46e-03232,209,210	0.29	232	0.0	0.0	0.0
	0.02	0.02	0.0 230,229,0	0.14	1.26e-03	1.26e-03232,230,230			1.00	0.04	0.96
2773	0.0	0.06	0.0 0,52,0	0.14	3.45e-03	9.46e-03235,217,210	0.29	235	0.0	0.0	0.0
	8.19e-03	9.76e-03	0.0 232,235,0	0.14	1.93e-03	1.93e-03235,235,235			1.00	0.04	0.96
2774	0.0	0.05	0.0 0,52,0	0.14	1.78e-03	8.93e-03235,209,210	0.29	235	0.0	0.0	0.0
	7.19e-03	6.85e-03	0.0 228,231,0	0.14	2.53e-03	2.53e-03235,219,219			1.00	0.04	0.96
2775	0.0	0.05	0.0 0,52,0	0.14	1.89e-03	8.85e-03235,209,210	0.29	235	0.0	0.0	0.0
	7.91e-03	8.34e-03	0.0 204,215,0	0.14	3.05e-03	3.05e-03235,215,215			1.00	0.04	0.96
2776	3.86e-03	0.06	0.0 212,52,0	0.14	4.83e-03	9.52e-03232,209,210	0.29	232	0.87	0.06	0.94
	0.02	0.02	0.0 230,229,0	0.14	2.29e-03	2.29e-03232,235,235			1.00	0.04	0.96
2777	5.36e-03	0.06	0.0 204,52,0	0.14	3.33e-03	9.72e-03232,209,210	0.29	232	0.87	0.06	0.94
	0.01	0.01	0.0 232,235,0	0.14	3.54e-03	3.54e-03232,235,235			1.00	0.04	0.96
2778	6.10e-03	0.06	0.0 204,52,0	0.14	2.23e-03	9.72e-03232,209,210	0.28	232	0.87	0.06	0.94
	0.01	0.01	0.0 216,219,0	0.14	3.82e-03	3.82e-03232,235,235			1.00	0.04	0.96
2779	6.10e-03	0.06	0.0 204,52,0	0.13	1.89e-03	9.44e-03232,209,207	0.28	232	0.87	0.06	0.94
	0.01	0.01	0.0 216,215,0	0.13	3.82e-03	3.82e-03232,235,235			1.00	0.04	0.96
2780	0.02	0.09	0.0 212,235,0	0.14	4.16e-03	0.01232,209,207	0.28	232	0.87	0.06	0.94
	0.02	0.02	0.0 232,229,0	0.14	6.55e-03	6.55e-03232,215,215			1.00	0.04	0.96
2781	0.02	0.09	0.0 212,235,0	0.13	3.12e-03	0.01232,207,207	0.28	232	0.87	0.06	0.94
	0.03	0.02	0.0 232,235,0	0.13	6.55e-03	6.55e-03232,215,215			1.00	0.04	0.96
2782	0.02	0.09	0.0 212,215,0	0.13	3.08e-03	0.01232,204,207	0.28	232	0.87	0.06	0.94
	0.03	0.02	0.0 232,235,0	0.13	6.33e-03	6.33e-03232,219,219			1.00	0.04	0.96
2783	0.02	0.09	0.0 204,207,0	0.13	2.34e-03	0.01232,207,207	0.27	232	0.87	0.06	0.94
	0.03	0.02	0.0 232,235,0	0.13	5.40e-03	5.40e-03232,229,229			1.00	0.04	0.96
2784	0.10	0.24	0.0 232,235,0	0.12	4.03e-03	0.03232,231,235	0.26	232	0.87	0.06	0.94
	0.04	0.03	0.0 212,215,0	0.12	0.02	0.02232,207,207			1.00	0.04	0.96
2785	0.07	0.20	0.0 232,235,0	0.11	4.82e-03	0.03232,207,235	0.26	232	0.87	0.06	0.94
	0.04	0.03	0.0 212,215,0	0.11	0.02	0.02232,207,207			1.00	0.04	0.96
2786	0.05	0.17	0.0 232,235,0	0.11	4.82e-03	0.02232,207,207	0.26	232	0.87	0.06	0.94
	0.04	0.03	0.0 235,219,0	0.11	8.80e-03	8.80e-03232,207,207			1.00	0.04	0.96
2787	0.03	0.14	0.0 216,235,0	0.11	3.98e-03	0.02232,204,207	0.25	232	0.87	0.06	0.94
	0.04	0.03	0.0 235,235,0	0.11	5.69e-03	5.69e-03232,235,235			1.00	0.04	0.96
2788	0.02	0.09	0.0 229,230,0	0.09	3.55e-03	0.01235,215,232	0.23	235	0.87	0.06	0.94
	0.03	0.02	0.0 212,215,0	0.09	5.67e-03	5.67e-03235,210,210			1.00	0.04	0.96
2789	0.02	0.08	0.0 229,230,0	0.09	4.98e-03	0.01235,212,232	0.23	235	0.87	0.06	0.94
	0.02	0.02	0.0 212,215,0	0.09	5.67e-03	5.67e-03235,210,210			1.00	0.04	0.96
2790	0.02	0.07	0.0 229,230,0	0.08	4.98e-03	0.01235,212,232	0.22	235	0.87	0.06	0.94
	0.01	7.94e-03	0.0 219,216,0	0.08	2.17e-03	2.17e-03235,210,210			1.00	0.04	0.96
2791	0.02	0.09	0.0 229,230,0	0.12	3.90e-03	0.01235,215,216	0.27	235	0.87	0.06	0.94
	0.03	0.02	0.0 212,215,0	0.12	3.05e-03	3.05e-03 235,46,46			1.00	0.04	0.96
2792	0.02	0.08	0.0 229,230,0	0.11	6.26e-03	0.01235,215,216	0.26	235	0.87	0.06	0.94
	0.03	0.02	0.0 219,216,0	0.11	2.02e-03	2.02e-03 235,46,46			1.00	0.04	0.96
2793	0.02	0.07	0.0 229,230,0	0.10	6.26e-03	0.01235,215,216	0.25	235	0.87	0.06	0.94
	0.02	0.01	0.0 219,216,0	0.10	1.19e-03	1.19e-03235,224,224			1.00	0.04	0.96
2794	0.01	0.07	0.0 235,232,0	0.13	4.44e-03	0.01235,215,216	0.28	235	0.87	0.06	0.94
	0.03	0.02	0.0 212,215,0	0.13	2.78e-03	2.78e-03235,213,213			1.00	0.04	0.96
2795	0.01	0.06	0.0 235,232,0	0.13	6.26e-03	0.01235,215,216	0.27	235	0.87	0.06	0.94
	0.03	0.02	0.0 219,216,0	0.13	3.26e-03	3.26e-03235,215,215			1.00	0.04	0.96
2796	5.12e-03	0.06	0.0 235,52,0	0.12	6.26e-03	0.01235,215,216	0.26	235	0.87	0.06	0.94
	0.03	0.02	0.0 219,216,0	0.12	3.26e-03	3.26e-03235,215,215			1.00	0.04	0.96
2797	0.0	0.06	0.0 0,52,0	0.15	4.44e-03	0.01235,215,216	0.29	235	0.0	0.0	0.0
	0.02	0.02	0.0 235,218,0	0.15	2.78e-03	2.78e-03235,213,213			1.00	0.04	0.96
2798	0.0	0.05	0.0 0,52,0	0.14	5.57e-03	0.01235,217,216	0.29	235	0.0	0.0	0.0
	0.03	0.02	0.0 219,218,0	0.14	4.71e-03	4.71e-03235,215,215			1.00	0.04	0.96
2799	0.0	0.05	0.0 0,52,0	0.13	5.57e-03	9.59e-03235,217,216	0.28	235	0.0	0.0	0.0
	0.03	0.02	0.0 219,216,0	0.13	4.71e-03	4.71e-03235,215,215			1.00	0.04	0.96
2800	0.0	0.05	0.0 0,52,0	0.15	3.87e-03	9.50e-03235,215,218	0.29	235	0.0	0.0	0.0
	0.03	0.02	0.0 229,234,0	0.15	2.36e-03	2.36e-03235,212,212			1.00	0.04	0.96
2801	0.0	0.05	0.0 0,52,0	0.14	5.98e-03	9.64e-03235,217,218	0.29	235	0.0	0.0	0.0
	0.03	0.02	0.0 229,234,0	0.14	4.71e-03	4.71e-03235,215,215			1.00	0.04	0.96

2802	0.0	0.05	0.0	0,52,0	0.13	5.98e-03	9.64e-03	235,217,218	0.28	235	0.0	0.0	0.0
	0.02	0.01	0.0	235,232,0	0.13	4.71e-03	4.71e-03	235,215,215			1.00	0.04	0.96
2803	0.0	0.05	0.0	0,52,0	0.15	3.57e-03	9.35e-03	235,217,218	0.29	235	0.0	0.0	0.0
	0.03	0.03	0.0	229,230,0	0.15	2.56e-03	2.56e-03	235,215,215			1.00	0.04	0.96
2804	0.0	0.05	0.0	0,52,0	0.14	5.98e-03	9.64e-03	235,217,218	0.29	235	0.0	0.0	0.0
	0.03	0.03	0.0	229,230,0	0.14	2.36e-03	2.36e-03	235,212,212			1.00	0.04	0.96
2805	0.0	0.05	0.0	0,52,0	0.12	5.98e-03	9.64e-03	235,217,218	0.27	235	0.0	0.0	0.0
	0.02	0.02	0.0	229,230,0	0.12	1.61e-03	1.61e-03	235,212,212			1.00	0.04	0.96
2806	0.0	0.05	0.0	0,52,0	0.14	3.50e-03	9.12e-03	235,209,210	0.29	235	0.0	0.0	0.0
	0.04	0.04	0.0	229,230,0	0.14	3.05e-03	3.05e-03	235,215,215			1.00	0.04	0.96
2807	0.0	0.05	0.0	0,52,0	0.14	5.37e-03	9.12e-03	235,217,210	0.28	235	0.0	0.0	0.0
	0.04	0.04	0.0	229,230,0	0.14	2.79e-03	2.79e-03	235,215,215			1.00	0.04	0.96
2808	0.0	0.05	0.0	0,52,0	0.12	5.37e-03	8.87e-03	235,217,218	0.26	235	0.0	0.0	0.0
	0.03	0.03	0.0	229,230,0	0.12	8.81e-04	8.81e-04	235,215,215			1.00	0.04	0.96
2809	4.97e-03	0.06	0.0	204,52,0	0.13	4.25e-03	0.01232	209,210	0.28	232	0.87	0.06	0.94
	0.05	0.04	0.0	229,230,0	0.13	3.19e-03	3.19e-03	232,210,210			1.00	0.04	0.96
2810	0.0	0.06	0.0	0,52,0	0.13	5.29e-03	0.01232	209,210	0.28	232	0.0	0.0	0.0
	0.05	0.04	0.0	229,230,0	0.13	3.19e-03	3.19e-03	232,210,210			1.00	0.04	0.96
2811	0.0	0.05	0.0	0,52,0	0.10	5.29e-03	9.22e-03	235,209,210	0.24	235	0.0	0.0	0.0
	0.05	0.04	0.0	229,230,0	0.10	2.91e-03	2.91e-03	235,210,210			1.00	0.04	0.96
2812	0.02	0.08	0.0	204,207,0	0.13	4.25e-03	0.01232	209,210	0.28	232	0.87	0.06	0.94
	0.06	0.06	0.0	229,230,0	0.13	5.40e-03	5.40e-03	232,229,229			1.00	0.04	0.96
2813	0.02	0.08	0.0	204,207,0	0.13	8.48e-03	0.02232	209,210	0.28	232	0.87	0.06	0.94
	0.07	0.06	0.0	229,230,0	0.13	4.44e-03	4.44e-03	232,210,210			1.00	0.04	0.96
2814	4.50e-03	0.06	0.0	208,52,0	0.08	8.48e-03	0.02232	209,210	0.22	232	0.87	0.06	0.94
	0.07	0.06	0.0	229,230,0	0.08	4.44e-03	4.44e-03	232,210,210			1.00	0.04	0.96
2815	0.02	0.12	0.0	204,219,0	0.12	0.01	0.03234	210,210	0.27	234	0.87	0.06	0.94
	0.06	0.06	0.0	229,234,0	0.12	0.01	0.01234	204,204			1.00	0.04	0.96
2816	0.02	0.11	0.0	204,52,0	0.12	0.02	0.03234	210,210	0.27	234	0.87	0.06	0.94
	0.07	0.07	0.0	229,230,0	0.12	0.01	0.01234	207,207			1.00	0.04	0.96
2817	4.50e-03	0.09	0.0	208,52,0	0.07	0.02	0.03230	210,210	0.20	230	0.87	0.06	0.94
	0.07	0.07	0.0	229,230,0	0.07	0.01	0.01230	207,207			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.10	0.24	0.0	0.15	0.06	0.06	0.29

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
86	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.79	194.4	203	0.64	158.6	203	0.47	-3.633e+04	7.361e+06	235

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
277	0.03	0.24	0.0	235,52,0	0.24	3.35e-03	0.03	52,215,52	0.38	52	0.87	0.06	0.94
	0.02	0.02	0.0	216,219,0	0.24	7.33e-03	7.33e-03	52,213,213			1.00	0.04	0.96
348	0.0	0.24	0.0	0,52,0	0.08	6.04e-03	0.03235	215,52	0.21	235	0.0	0.0	0.0
	0.01	0.02	0.0	216,219,0	0.08	2.20e-03	2.20e-03	235,216,216			1.00	0.04	0.96
351	0.0	0.16	0.0	0,52,0	0.08	6.04e-03	0.02235	215,212	0.22	235	0.0	0.0	0.0
	0.01	0.02	0.0	216,219,0	0.08	2.20e-03	2.20e-03	235,216,216			1.00	0.04	0.96
354	0.0	0.14	0.0	0,52,0	0.08	5.94e-03	0.02235	214,52	0.22	235	0.0	0.0	0.0
	7.28e-03	0.01	0.0	212,215,0	0.08	1.51e-03	1.51e-03	235,216,216			1.00	0.04	0.96
357	0.0	0.14	0.0	0,52,0	0.09	5.94e-03	0.02232	214,52	0.23	232	0.0	0.0	0.0
	5.26e-03	0.01	0.0	212,215,0	0.09	1.51e-03	1.51e-03	232,216,216			1.00	0.04	0.96
360	0.0	0.14	0.0	0,52,0	0.10	5.80e-03	0.02232	214,52	0.24	232	0.0	0.0	0.0
	2.54e-03	8.49e-03	0.0	215,212,0	0.10	1.20e-03	1.20e-03	232,216,216			1.00	0.04	0.96
400	0.02	0.28	0.0	230,52,0	0.21	3.95e-03	0.04235	209,52	0.35	235	0.87	0.06	0.94
	0.01	0.02	0.0	228,231,0	0.21	1.59e-03	1.59e-03	235,212,212			1.00	0.04	0.96
401	6.43e-03	0.28	0.0	230,52,0	0.10	1.77e-03	0.04	235,52,52	0.24	235	0.87	0.06	0.94
	0.01	0.02	0.0	228,231,0	0.10	1.59e-03	1.59e-03	235,212,212			1.00	0.04	0.96
2234	6.43e-03	0.28	0.0	230,52,0	0.10	4.73e-03	0.04235	209,52	0.24	235	0.87	0.06	0.94
	0.03	0.03	0.0	215,215,0	0.10	0.01	0.01235	207,207			1.00	0.04	0.96
2237	0.0	0.25	0.0	0,52,0	0.06	7.25e-03	0.03235	209,229	0.19	235	0.0	0.0	0.0
	0.03	0.03	0.0	215,215,0	0.06	0.01	0.01235	207,207			1.00	0.04	0.96
2239	0.0	0.21	0.0	0,52,0	0.05	0.02	0.04235	209,209	0.17	235	0.0	0.0	0.0
	0.02	0.02	0.0	235,227,0	0.05	0.02	0.02235	209,209			1.00	0.04	0.96
2241	0.0	0.18	0.0	0,52,0	0.04	0.02	0.04235	209,209	0.15	235	0.0	0.0	0.0
	0.02	0.02	0.0	235,229,0	0.04	0.02	0.02235	209,209			1.00	0.04	0.96
2243	0.0	0.16	0.0	0,52,0	0.04	0.02	0.04235	209,209	0.15	235	0.0	0.0	0.0

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2701 DI 2790

	0.07	0.06	0.0 235,232,0	0.04	0.01	0.01235,209,209			1.00	0.04	0.96
2245	0.0	0.13	0.0 0,52,0	0.04	0.02	0.02235,206,205	0.15	235	0.0	0.0	0.0
	0.07	0.06	0.0 235,228,0	0.04	7.61e-03	7.61e-03235,210,210			1.00	0.04	0.96
2247	0.0	0.10	0.0 0,52,0	6.73e-03	0.02	0.02235,206,205	0.06	235	0.0	0.0	0.0
	0.07	0.06	0.0 231,228,0	6.71e-03	7.61e-03	7.61e-03235,210,210			1.00	0.04	0.96
2644	0.06	0.03	0.0 214,213,0	0.03	0.03	0.0352,216,216	0.13	52	0.87	0.06	0.94
	0.05	0.04	0.0 216,213,0	0.03	0.07	0.0752,216,216			1.00	0.04	0.96
2645	0.03	7.87e-03	0.0 219,216,0	0.02	0.03	0.0352,216,216	0.12	52	0.87	0.06	0.94
	7.69e-03	5.58e-03	0.0 208,211,0	0.02	5.70e-03	5.70e-0352,216,216			1.00	0.04	0.96
2646	0.06	0.03	0.0 214,213,0	0.03	0.03	0.0352,216,216	0.13	52	0.87	0.06	0.94
	0.06	0.04	0.0 216,219,0	0.03	0.07	0.0752,216,216			1.00	0.04	0.96
2647	0.06	0.03	0.0 216,219,0	0.03	0.03	0.0352,216,216	0.13	52	0.87	0.06	0.94
	0.06	0.04	0.0 216,219,0	0.03	0.06	0.0652,216,216			1.00	0.04	0.96
2648	0.02	0.01	0.0 206,205,0	0.03	0.02	0.0252,216,205	0.13	52	0.87	0.06	0.94
	0.03	0.02	0.0 216,219,0	0.03	9.80e-03	9.80e-0352,216,216			1.00	0.04	0.96
2658	0.03	0.03	0.0 214,213,0	0.03	0.02	0.0352,208,213	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0 215,212,0	0.03	0.04	0.0452,208,208			1.00	0.04	0.96
2659	0.03	0.03	0.0 214,213,0	0.03	0.03	0.0452,216,219	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0 215,212,0	0.03	0.04	0.0452,208,208			1.00	0.04	0.96
2660	0.02	0.03	0.0 206,205,0	0.02	0.03	0.0452,216,219	0.11	52	0.87	0.06	0.94
	0.01	7.93e-03	0.0 221,222,0	0.02	0.02	0.0252,208,208			1.00	0.04	0.96
2818	0.06	0.03	0.0 214,213,0	0.08	0.03	0.0352,216,216	0.22	52	0.87	0.06	0.94
	0.05	0.04	0.0 216,213,0	0.08	0.07	0.0752,216,216			1.00	0.04	0.96
2819	0.03	0.01	0.0 219,208,0	0.08	0.03	0.0352,216,216	0.22	52	0.87	0.06	0.94
	0.02	0.02	0.0 216,219,0	0.08	5.70e-03	5.70e-0352,216,216			1.00	0.04	0.96
2820	0.06	0.03	0.0 214,213,0	0.08	0.03	0.0352,216,216	0.22	52	0.87	0.06	0.94
	0.06	0.04	0.0 216,219,0	0.08	0.07	0.0752,216,216			1.00	0.04	0.96
2821	0.06	0.03	0.0 216,219,0	0.07	0.03	0.0352,216,216	0.21	52	0.87	0.06	0.94
	0.06	0.04	0.0 216,219,0	0.07	0.06	0.0652,216,216			1.00	0.04	0.96
2822	0.02	0.03	0.0 206,59,0	0.07	0.02	0.0252,216,205	0.20	52	0.87	0.06	0.94
	0.03	0.02	0.0 216,219,0	0.07	0.02	0.0252,216,216			1.00	0.04	0.96
2823	0.03	0.10	0.0 235,232,0	0.24	0.01	0.0252,208,208	0.38	52	0.87	0.06	0.94
	0.07	0.05	0.0 216,213,0	0.24	0.01	0.0152,216,216			1.00	0.04	0.96
2824	0.03	0.10	0.0 235,232,0	0.24	0.01	0.0252,208,208	0.38	52	0.87	0.06	0.94
	0.02	0.02	0.0 216,219,0	0.24	7.33e-03	7.33e-0352,213,213			1.00	0.04	0.96
2825	0.02	0.09	0.0 211,232,0	0.19	4.18e-03	0.0152,216,216	0.33	52	0.87	0.06	0.94
	0.07	0.05	0.0 216,213,0	0.19	0.02	0.0252,216,216			1.00	0.04	0.96
2826	0.02	0.09	0.0 219,232,0	0.15	0.01	0.0252,216,208	0.29	52	0.87	0.06	0.94
	0.07	0.05	0.0 216,213,0	0.15	0.02	0.0252,216,216			1.00	0.04	0.96
2827	5.69e-03	0.09	0.0 211,52,0	0.12	0.01	0.0252,216,208	0.27	52	0.87	0.06	0.94
	0.04	0.03	0.0 216,213,0	0.12	0.02	0.0252,216,216			1.00	0.04	0.96
2828	0.03	0.24	0.0 235,52,0	0.24	3.35e-03	0.03 52,215,52	0.38	52	0.87	0.06	0.94
	0.07	0.05	0.0 216,213,0	0.24	7.33e-03	7.33e-0352,213,213			1.00	0.04	0.96
2829	0.02	0.21	0.0 235,52,0	0.19	1.93e-03	0.02 52,215,52	0.33	52	0.87	0.06	0.94
	0.07	0.05	0.0 216,213,0	0.19	6.48e-03	6.48e-0352,216,216			1.00	0.04	0.96
2830	0.01	0.19	0.0 235,52,0	0.15	3.16e-03	0.02 52,216,52	0.29	52	0.87	0.06	0.94
	0.07	0.05	0.0 216,213,0	0.15	5.21e-03	5.21e-0352,216,216			1.00	0.04	0.96
2831	3.43e-03	0.17	0.0 235,52,0	0.12	3.16e-03	0.02 52,216,52	0.27	52	0.87	0.06	0.94
	0.05	0.03	0.0 216,219,0	0.12	6.96e-03	6.96e-0352,216,216			1.00	0.04	0.96
2832	0.03	0.03	0.0 214,59,0	0.07	0.02	0.0352,208,213	0.20	52	0.87	0.06	0.94
	0.03	0.02	0.0 211,208,0	0.07	0.04	0.0452,208,208			1.00	0.04	0.96
2833	0.03	0.04	0.0 214,52,0	0.06	0.03	0.0452,216,219	0.19	52	0.87	0.06	0.94
	0.03	0.02	0.0 211,208,0	0.06	0.04	0.0452,208,208			1.00	0.04	0.96
2834	0.02	0.04	0.0 206,52,0	0.05	0.03	0.0452,216,219	0.17	52	0.87	0.06	0.94
	0.03	0.02	0.0 211,208,0	0.05	0.02	0.0252,208,208			1.00	0.04	0.96
2835	0.0	0.09	0.0 0,52,0	0.10	9.74e-03	0.0152,216,216	0.25	52	0.0	0.0	0.0
	0.03	0.02	0.0 211,208,0	0.10	8.00e-03	8.00e-0352,216,216			1.00	0.04	0.96
2836	0.0	0.09	0.0 0,52,0	0.09	8.21e-03	0.0152,219,216	0.23	52	0.0	0.0	0.0
	0.03	0.02	0.0 211,208,0	0.09	8.00e-03	8.00e-0352,216,216			1.00	0.04	0.96
2837	0.0	0.08	0.0 0,52,0	0.07	8.21e-03	0.0152,219,216	0.20	52	0.0	0.0	0.0
	0.03	0.02	0.0 211,208,0	0.07	4.76e-03	4.76e-0352,208,208			1.00	0.04	0.96
2838	0.0	0.16	0.0 0,52,0	0.10	2.46e-03	0.02 52,205,52	0.25	52	0.0	0.0	0.0
	0.03	0.01	0.0 215,212,0	0.10	8.00e-03	8.00e-0352,216,216			1.00	0.04	0.96
2839	0.0	0.14	0.0 0,52,0	0.09	3.21e-03	0.02 52,215,52	0.23	52	0.0	0.0	0.0
	0.02	0.01	0.0 211,208,0	0.09	8.00e-03	8.00e-0352,216,216			1.00	0.04	0.96
2840	0.0	0.12	0.0 0,52,0	0.07	3.21e-03	0.01 52,215,52	0.20	52	0.0	0.0	0.0
	0.01	6.43e-03	0.0 211,208,0	0.07	3.72e-03	3.72e-0352,208,208			1.00	0.04	0.96
2841	0.0	0.24	0.0 0,52,0	0.08	6.04e-03	0.03235,215,52	0.21	235	0.0	0.0	0.0
	0.06	0.04	0.0 216,213,0	0.08	6.48e-03	6.48e-03235,216,216			1.00	0.04	0.96
2842	0.0	0.21	0.0 0,52,0	0.08	3.22e-03	0.02235,218,52	0.21	235	0.0	0.0	0.0
	0.07	0.04	0.0 216,213,0	0.08	6.48e-03	6.48e-03235,216,216			1.00	0.04	0.96
2843	0.0	0.19	0.0 0,52,0	0.07	1.27e-03	0.02235,208,52	0.21	235	0.0	0.0	0.0
	0.07	0.04	0.0 216,213,0	0.07	5.42e-03	5.42e-03235,216,216			1.00	0.04	0.96
2844	0.0	0.17	0.0 0,52,0	0.07	2.10e-03	0.02235,219,52	0.21	235	0.0	0.0	0.0
	0.05	0.03	0.0 216,219,0	0.07	5.13e-03	5.13e-03235,208,208			1.00	0.04	0.96

2845	0.0	0.16	0.0	0,52,0	0.08	6.04e-03	0.02235,215,212	0.22	235	0.0	0.0	0.0
	0.04	0.03	0.0	216,213,0	0.08	4.93e-03	4.93e-03235,216,216			1.00	0.04	0.96
2846	0.0	0.15	0.0	0,52,0	0.08	3.68e-03	0.02235,215,52	0.22	235	0.0	0.0	0.0
	0.05	0.03	0.0	214,213,0	0.08	5.42e-03	5.42e-03235,216,216			1.00	0.04	0.96
2847	0.0	0.15	0.0	0,52,0	0.08	1.47e-03	0.02235,218,52	0.22	235	0.0	0.0	0.0
	0.05	0.03	0.0	214,213,0	0.08	5.42e-03	5.42e-03235,216,216			1.00	0.04	0.96
2848	0.0	0.14	0.0	0,52,0	0.08	2.20e-03	0.02235,219,52	0.21	235	0.0	0.0	0.0
	0.05	0.03	0.0	214,213,0	0.08	3.20e-03	3.20e-03235,216,216			1.00	0.04	0.96
2849	0.0	0.14	0.0	0,52,0	0.08	5.94e-03	0.02235,214,52	0.22	235	0.0	0.0	0.0
	0.03	0.02	0.0	216,219,0	0.08	3.54e-03	3.54e-03235,216,216			1.00	0.04	0.96
2850	0.0	0.14	0.0	0,52,0	0.08	3.73e-03	0.02235,215,52	0.22	235	0.0	0.0	0.0
	0.04	0.02	0.0	214,213,0	0.08	4.38e-03	4.38e-03235,216,216			1.00	0.04	0.96
2851	0.0	0.14	0.0	0,52,0	0.08	1.87e-03	0.01235,218,52	0.22	235	0.0	0.0	0.0
	0.04	0.02	0.0	214,213,0	0.08	4.38e-03	4.38e-03235,216,216			1.00	0.04	0.96
2852	0.0	0.13	0.0	0,52,0	0.08	2.20e-03	0.01235,219,52	0.21	235	0.0	0.0	0.0
	0.04	0.02	0.0	214,213,0	0.08	3.46e-03	3.46e-03235,216,216			1.00	0.04	0.96
2853	0.0	0.14	0.0	0,52,0	0.09	5.94e-03	0.02232,214,52	0.23	232	0.0	0.0	0.0
	0.02	0.01	0.0	216,219,0	0.09	2.46e-03	2.46e-03232,216,216			1.00	0.04	0.96
2854	0.0	0.14	0.0	0,52,0	0.09	4.01e-03	0.01232,218,52	0.23	232	0.0	0.0	0.0
	0.02	0.02	0.0	216,219,0	0.09	3.47e-03	3.47e-03232,216,216			1.00	0.04	0.96
2855	0.0	0.13	0.0	0,52,0	0.09	2.00e-03	0.01232,218,52	0.23	232	0.0	0.0	0.0
	0.03	0.02	0.0	215,215,0	0.09	3.47e-03	3.47e-03232,216,216			1.00	0.04	0.96
2856	0.0	0.13	0.0	0,52,0	0.08	2.29e-03	0.01232,214,52	0.22	232	0.0	0.0	0.0
	0.03	0.02	0.0	215,212,0	0.08	3.46e-03	3.46e-03232,216,216			1.00	0.04	0.96
2857	0.0	0.14	0.0	0,52,0	0.10	5.80e-03	0.02232,214,52	0.25	232	0.0	0.0	0.0
	0.01	0.01	0.0	216,219,0	0.10	2.12e-03	2.12e-03232,216,216			1.00	0.04	0.96
2858	0.0	0.14	0.0	0,52,0	0.10	4.01e-03	0.01232,218,52	0.25	232	0.0	0.0	0.0
	0.02	0.01	0.0	215,219,0	0.10	2.85e-03	2.85e-03232,216,216			1.00	0.04	0.96
2859	0.0	0.13	0.0	0,52,0	0.10	2.00e-03	0.01232,218,52	0.24	232	0.0	0.0	0.0
	0.02	0.01	0.0	215,215,0	0.10	3.20e-03	3.20e-03232,216,216			1.00	0.04	0.96
2860	0.0	0.13	0.0	0,52,0	0.10	2.29e-03	0.01232,214,52	0.24	232	0.0	0.0	0.0
	0.02	0.02	0.0	215,212,0	0.10	3.20e-03	3.20e-03232,216,216			1.00	0.04	0.96
2861	0.0	0.16	0.0	0,52,0	0.07	2.74e-03	0.02235,215,52	0.20	235	0.0	0.0	0.0
	0.03	0.02	0.0	219,216,0	0.07	6.34e-03	6.34e-03235,208,208			1.00	0.04	0.96
2862	0.0	0.14	0.0	0,52,0	0.07	3.96e-03	0.02235,215,52	0.20	235	0.0	0.0	0.0
	0.02	0.01	0.0	219,212,0	0.07	6.34e-03	6.34e-03235,208,208			1.00	0.04	0.96
2863	0.0	0.13	0.0	0,52,0	0.06	3.96e-03	0.01235,215,52	0.19	235	0.0	0.0	0.0
	0.01	3.75e-03	0.0	219,216,0	0.06	2.30e-03	2.30e-03235,208,208			1.00	0.04	0.96
2864	0.0	0.14	0.0	0,52,0	0.08	3.40e-03	0.02235,218,52	0.21	235	0.0	0.0	0.0
	0.03	0.02	0.0	219,216,0	0.08	3.14e-03	3.14e-03235,211,211			1.00	0.04	0.96
2865	0.0	0.13	0.0	0,52,0	0.07	5.26e-03	0.01235,218,52	0.20	235	0.0	0.0	0.0
	0.03	0.02	0.0	219,216,0	0.07	3.14e-03	3.14e-03235,211,211			1.00	0.04	0.96
2866	0.0	0.13	0.0	0,52,0	0.06	5.26e-03	0.01235,218,52	0.19	235	0.0	0.0	0.0
	0.02	6.20e-03	0.0	235,216,0	0.06	1.78e-04	1.78e-04235,213,213			1.00	0.04	0.96
2867	0.0	0.13	0.0	0,52,0	0.08	3.70e-03	0.01235,215,52	0.21	235	0.0	0.0	0.0
	0.03	0.02	0.0	219,216,0	0.08	2.61e-03	2.61e-03235,216,216			1.00	0.04	0.96
2868	0.0	0.12	0.0	0,52,0	0.07	5.92e-03	0.01235,218,52	0.20	235	0.0	0.0	0.0
	0.03	0.02	0.0	219,216,0	0.07	9.89e-04	9.89e-04235,215,215			1.00	0.04	0.96
2869	0.0	0.12	0.0	0,52,0	0.06	5.92e-03	0.01235,218,52	0.19	235	0.0	0.0	0.0
	0.02	9.22e-03	0.0	235,232,0	0.06	9.89e-04	9.89e-04235,215,215			1.00	0.04	0.96
2870	0.0	0.12	0.0	0,52,0	0.08	3.86e-03	0.01232,218,52	0.22	232	0.0	0.0	0.0
	0.03	0.02	0.0	235,212,0	0.08	2.97e-03	2.97e-03232,216,216			1.00	0.04	0.96
2871	0.0	0.12	0.0	0,52,0	0.07	5.92e-03	0.01232,218,52	0.20	232	0.0	0.0	0.0
	0.03	0.02	0.0	235,232,0	0.07	2.98e-03	2.98e-03232,218,218			1.00	0.04	0.96
2872	0.0	0.12	0.0	0,52,0	0.06	5.92e-03	0.01235,218,218	0.19	235	0.0	0.0	0.0
	0.03	0.01	0.0	235,232,0	0.06	2.98e-03	2.98e-03235,218,218			1.00	0.04	0.96
2873	0.0	0.12	0.0	0,52,0	0.10	4.13e-03	0.01232,217,52	0.24	232	0.0	0.0	0.0
	0.03	0.02	0.0	235,232,0	0.10	2.97e-03	2.97e-03232,216,216			1.00	0.04	0.96
2874	0.0	0.12	0.0	0,52,0	0.09	5.44e-03	0.01232,217,217	0.24	232	0.0	0.0	0.0
	0.03	0.02	0.0	235,232,0	0.09	4.82e-03	4.82e-03232,217,217			1.00	0.04	0.96
2875	0.0	0.11	0.0	0,52,0	0.08	5.44e-03	0.01232,217,217	0.22	232	0.0	0.0	0.0
	0.03	0.01	0.0	235,232,0	0.08	4.82e-03	4.82e-03232,217,217			1.00	0.04	0.96
2876	0.0	0.14	0.0	0,52,0	0.13	5.54e-03	0.02232,217,52	0.27	232	0.0	0.0	0.0
	3.61e-03	0.01	0.0	216,44,0	0.13	1.72e-03	1.72e-03232,216,216			1.00	0.04	0.96
2877	0.0	0.14	0.0	0,52,0	0.12	5.54e-03	0.02232,217,52	0.27	232	0.0	0.0	0.0
	8.41e-04	6.41e-03	0.0	212,215,0	0.12	1.20e-03	1.20e-03232,216,216			1.00	0.04	0.96
2878	0.0	0.14	0.0	0,52,0	0.13	3.89e-03	0.01232,217,52	0.27	232	0.0	0.0	0.0
	8.38e-03	0.01	0.0	218,44,0	0.13	2.35e-03	2.35e-03232,213,213			1.00	0.04	0.96
2879	0.0	0.13	0.0	0,52,0	0.13	1.98e-03	0.01232,217,52	0.27	232	0.0	0.0	0.0
	0.01	8.49e-03	0.0	215,219,0	0.13	2.70e-03	2.70e-03232,213,213			1.00	0.04	0.96
2880	0.0	0.12	0.0	0,52,0	0.13	2.17e-03	0.01232,217,52	0.27	232	0.0	0.0	0.0
	0.02	0.01	0.0	219,216,0	0.13	2.70e-03	2.70e-03232,213,213			1.00	0.04	0.96
2881	0.01	0.14	0.0	235,52,0	0.22	5.66e-03	0.01232,209,52	0.36	232	0.87	0.06	0.94
	2.70e-03	0.01	0.0	232,28,0	0.22	1.40e-03	1.40e-03232,212,212			1.00	0.04	0.96
2882	0.01	0.14	0.0	235,52,0	0.22	5.66e-03	0.01232,209,52	0.36	232	0.87	0.06	0.94

	0.0	8.64e-03	0.0	0,52,0	0.22	6.04e-04	6.04e-04232,215,215			0.0	0.0	0.0
2883	4.76e-03	0.13	0.0	229,52,0	0.20	3.75e-03	0.01232,209,52	0.34	232	0.87	0.06	0.94
	4.03e-03	0.01	0.0	210,28,0	0.20	1.91e-03	1.91e-03232,212,212			1.00	0.04	0.96
2884	0.0	0.12	0.0	0,52,0	0.18	1.87e-03	0.01232,217,52	0.32	232	0.0	0.0	0.0
	4.83e-03	0.01	0.0	207,44,0	0.18	2.38e-03	2.38e-03232,212,212			1.00	0.04	0.96
2885	0.0	0.11	0.0	0,52,0	0.16	1.90e-03	0.01232,209,52	0.31	232	0.0	0.0	0.0
	0.01	9.86e-03	0.0	235,220,0	0.16	2.69e-03	2.69e-03232,215,215			1.00	0.04	0.96
2886	0.02	0.04	0.0	51,59,0	0.22	5.91e-03	9.06e-03232,209,209	0.36	232	0.87	0.06	0.94
	2.79e-03	0.02	0.0	230,52,0	0.22	1.27e-03	1.27e-03232,229,229			1.00	0.04	0.96
2887	0.02	0.03	0.0	51,232,0	0.22	5.91e-03	8.38e-03232,209,209	0.36	232	0.87	0.06	0.94
	2.79e-03	9.30e-03	0.0	230,229,0	0.22	9.96e-04	9.96e-04232,214,214			1.00	0.04	0.96
2888	0.01	0.04	0.0	209,59,0	0.20	4.00e-03	9.06e-03232,209,209	0.34	232	0.87	0.06	0.94
	2.88e-03	0.02	0.0	220,52,0	0.20	1.51e-03	1.51e-03232,212,212			1.00	0.04	0.96
2889	0.01	0.05	0.0	209,52,0	0.18	1.86e-03	8.63e-03232,209,209	0.32	232	0.87	0.06	0.94
	6.50e-03	0.01	0.0	204,28,0	0.18	2.36e-03	2.36e-03232,215,215			1.00	0.04	0.96
2890	9.33e-03	0.05	0.0	209,52,0	0.16	1.95e-03	9.17e-03232,209,209	0.31	232	0.87	0.06	0.94
	0.01	0.01	0.0	207,204,0	0.16	2.71e-03	2.71e-03232,215,215			1.00	0.04	0.96
2891	0.02	7.13e-03	0.0	51,209,0	0.14	5.91e-03	5.91e-03232,209,209	0.29	232	0.87	0.06	0.94
	7.19e-03	0.02	0.0	232,52,0	0.14	2.36e-03	2.36e-03232,229,229			1.00	0.04	0.96
2892	0.02	3.51e-03	0.0	51,36,0	0.14	5.91e-03	5.91e-03232,209,209	0.29	232	0.87	0.06	0.94
	7.19e-03	0.01	0.0	232,229,0	0.14	1.16e-03	1.16e-03232,213,213			1.00	0.04	0.96
2893	0.01	0.02	0.0	209,209,0	0.14	4.60e-03	8.40e-03232,209,209	0.29	232	0.87	0.06	0.94
	3.42e-03	0.02	0.0	224,52,0	0.14	2.36e-03	2.36e-03232,229,229			1.00	0.04	0.96
2894	0.01	0.02	0.0	210,209,0	0.13	2.70e-03	8.40e-03232,209,209	0.28	232	0.87	0.06	0.94
	0.01	0.02	0.0	212,212,0	0.13	2.57e-03	2.57e-03232,215,215			1.00	0.04	0.96
2895	0.01	0.03	0.0	210,59,0	0.13	1.95e-03	8.89e-03232,209,209	0.28	232	0.87	0.06	0.94
	0.01	0.02	0.0	215,212,0	0.13	2.71e-03	2.71e-03232,215,215			1.00	0.04	0.96
2896	0.02	0.06	0.0	230,229,0	0.21	5.62e-03	0.01235,209,209	0.35	235	0.87	0.06	0.94
	0.01	0.02	0.0	224,52,0	0.21	4.71e-03	4.71e-03235,215,215			1.00	0.04	0.96
2897	0.02	0.05	0.0	230,229,0	0.21	5.62e-03	9.27e-03235,209,229	0.35	235	0.87	0.06	0.94
	0.01	0.02	0.0	224,227,0	0.21	1.16e-03	1.16e-03235,213,213			1.00	0.04	0.96
2898	0.02	0.07	0.0	230,229,0	0.18	6.17e-03	0.02235,209,209	0.33	235	0.87	0.06	0.94
	7.34e-03	0.02	0.0	232,52,0	0.18	4.71e-03	4.71e-03235,215,215			1.00	0.04	0.96
2899	0.02	0.07	0.0	230,229,0	0.16	6.17e-03	0.02235,209,209	0.31	235	0.87	0.06	0.94
	0.02	0.02	0.0	215,212,0	0.16	4.28e-03	4.28e-03235,229,229			1.00	0.04	0.96
2900	0.01	0.07	0.0	230,229,0	0.14	1.75e-03	0.01235,209,209	0.29	235	0.87	0.06	0.94
	0.02	0.02	0.0	215,212,0	0.14	4.91e-03	4.91e-03235,205,205			1.00	0.04	0.96
2901	0.02	0.28	0.0	230,52,0	0.21	4.95e-03	0.04235,209,52	0.35	235	0.87	0.06	0.94
	0.03	0.03	0.0	215,215,0	0.21	0.01	0.01235,207,207			1.00	0.04	0.96
2902	0.02	0.25	0.0	230,52,0	0.18	7.25e-03	0.03235,209,229	0.33	235	0.87	0.06	0.94
	0.03	0.03	0.0	215,215,0	0.18	0.01	0.01235,207,207			1.00	0.04	0.96
2903	0.02	0.21	0.0	230,52,0	0.16	0.02	0.04235,209,209	0.31	235	0.87	0.06	0.94
	0.02	0.02	0.0	235,227,0	0.16	0.02	0.02235,209,209			1.00	0.04	0.96
2904	0.01	0.18	0.0	230,52,0	0.14	0.02	0.04235,209,209	0.29	235	0.87	0.06	0.94
	0.02	0.02	0.0	235,212,0	0.14	0.02	0.02235,209,209			1.00	0.04	0.96
2905	0.0	0.11	0.0	0,52,0	0.12	4.13e-03	0.01232,217,217	0.27	232	0.0	0.0	0.0
	0.03	0.02	0.0	235,232,0	0.12	2.64e-03	2.64e-03232,212,212			1.00	0.04	0.96
2906	0.0	0.10	0.0	0,52,0	0.12	6.10e-03	0.01232,217,217	0.26	232	0.0	0.0	0.0
	0.03	0.02	0.0	235,232,0	0.12	4.82e-03	4.82e-03232,217,217			1.00	0.04	0.96
2907	0.0	0.10	0.0	0,52,0	0.10	6.10e-03	0.01232,217,217	0.24	232	0.0	0.0	0.0
	0.02	0.01	0.0	235,232,0	0.10	4.82e-03	4.82e-03232,217,217			1.00	0.04	0.96
2908	0.0	0.10	0.0	0,52,0	0.16	3.79e-03	0.01232,209,217	0.30	232	0.0	0.0	0.0
	0.04	0.03	0.0	231,228,0	0.16	2.69e-03	2.69e-03232,215,215			1.00	0.04	0.96
2909	0.0	0.09	0.0	0,52,0	0.14	6.10e-03	0.01232,217,217	0.29	232	0.0	0.0	0.0
	0.04	0.03	0.0	231,228,0	0.14	2.64e-03	2.64e-03232,212,212			1.00	0.04	0.96
2910	0.0	0.09	0.0	0,52,0	0.11	6.10e-03	0.01232,217,217	0.25	232	0.0	0.0	0.0
	0.03	0.02	0.0	231,228,0	0.11	1.92e-03	1.92e-03232,216,216			1.00	0.04	0.96
2911	3.24e-03	0.06	0.0	209,52,0	0.16	4.04e-03	0.01232,209,209	0.30	232	0.87	0.06	0.94
	0.05	0.04	0.0	235,232,0	0.16	2.71e-03	2.71e-03232,215,215			1.00	0.04	0.96
2912	0.0	0.06	0.0	0,52,0	0.14	6.30e-03	0.01232,209,217	0.29	232	0.0	0.0	0.0
	0.05	0.04	0.0	235,232,0	0.14	2.22e-03	2.22e-03232,215,215			1.00	0.04	0.96
2913	0.0	0.06	0.0	0,52,0	0.11	6.30e-03	0.01232,209,217	0.25	232	0.0	0.0	0.0
	0.03	0.03	0.0	235,232,0	0.11	1.22e-03	1.22e-03232,219,219			1.00	0.04	0.96
2914	6.59e-03	0.04	0.0	210,59,0	0.13	5.08e-03	0.01232,209,209	0.27	232	0.87	0.06	0.94
	0.06	0.04	0.0	235,232,0	0.13	2.71e-03	2.71e-03232,215,215			1.00	0.04	0.96
2915	0.0	0.04	0.0	0,59,0	0.12	7.15e-03	0.01232,209,209	0.27	232	0.0	0.0	0.0
	0.06	0.04	0.0	235,232,0	0.12	1.95e-03	1.95e-03232,215,215			1.00	0.04	0.96
2916	0.0	0.04	0.0	0,59,0	0.09	7.15e-03	0.01232,209,209	0.23	232	0.0	0.0	0.0
	0.05	0.04	0.0	235,232,0	0.09	1.35e-03	1.35e-03232,211,211			1.00	0.04	0.96
2917	6.59e-03	0.07	0.0	210,52,0	0.13	7.70e-03	0.02235,209,209	0.28	235	0.87	0.06	0.94
	0.07	0.05	0.0	235,232,0	0.13	5.20e-03	5.20e-03235,205,205			1.00	0.04	0.96
2918	0.0	0.07	0.0	0,52,0	0.13	7.84e-03	0.02235,209,209	0.28	235	0.0	0.0	0.0
	0.07	0.05	0.0	235,232,0	0.13	5.20e-03	5.20e-03235,205,205			1.00	0.04	0.96
2919	0.0	0.06	0.0	0,52,0	0.08	7.84e-03	0.01235,209,209	0.21	235	0.0	0.0	0.0
	0.07	0.05	0.0	235,232,0	0.08	3.80e-03	3.80e-03235,219,219			1.00	0.04	0.96

2920	5.49e-03	0.16	0.0	230,52,0	0.13	0.02	0.04235,209,209	0.28	235	0.87	0.06	0.94
	0.07	0.06	0.0	235,232,0	0.13	0.01	0.01235,209,209			1.00	0.04	0.96
2921	0.0	0.13	0.0	0,52,0	0.13	0.02	0.02235,206,205	0.28	235	0.0	0.0	0.0
	0.07	0.06	0.0	235,228,0	0.13	7.61e-03	7.61e-03235,210,210			1.00	0.04	0.96
2922	0.0	0.10	0.0	0,52,0	0.08	0.02	0.02235,206,205	0.21	235	0.0	0.0	0.0
	0.07	0.06	0.0	235,228,0	0.08	7.61e-03	7.61e-03235,210,210			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.07	0.28	0.0		0.24	0.07	0.07		0.38			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
87	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.86	-211.6	200	0.67	-165.3	200	0.30	-4.912e+04	6.135e+06	223

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
55	0.04	0.07	0.0	223,220,0	0.19	2.03e-03	7.96e-03232,231,228		0.33	232	0.87	0.06	0.94
	0.03	0.03	0.0	235,228,0	0.19	2.90e-03	2.90e-03232,207,207				1.00	0.04	0.96
1106	0.0	0.15	0.0	0,52,0	0.21	7.41e-03	0.02235,204,52		0.35	235	0.0	0.0	0.0
	0.02	0.03	0.0	204,207,0	0.21	9.41e-03	9.41e-03235,207,207				1.00	0.04	0.96
1394	0.0	0.15	0.0	0,52,0	0.09	7.41e-03	0.02235,204,52		0.24	235	0.0	0.0	0.0
	0.02	0.03	0.0	204,207,0	0.09	9.41e-03	9.41e-03235,207,207				1.00	0.04	0.96
1397	0.0	0.11	0.0	0,52,0	0.09	3.84e-03	0.01235,210,52		0.24	235	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.09	2.75e-03	2.75e-03235,207,207				0.0	0.0	0.0
1400	0.0	0.11	0.0	0,52,0	0.09	4.05e-03	0.01235,210,52		0.23	235	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.09	9.87e-04	9.87e-04235,204,204				0.0	0.0	0.0
1403	0.0	0.13	0.0	0,52,0	0.09	4.13e-03	0.01232,210,52		0.23	232	0.0	0.0	0.0
	0.0	0.01	0.0	0,52,0	0.09	9.53e-04	9.53e-04232,209,209				0.0	0.0	0.0
1406	0.0	0.15	0.0	0,52,0	0.09	4.13e-03	0.02232,210,52		0.22	232	0.0	0.0	0.0
	1.04e-03	0.01	0.0	229,52,0	0.09	9.53e-04	9.53e-04232,209,209				1.00	0.04	0.96
1409	0.0	0.24	0.0	0,52,0	0.08	3.98e-03	0.03232,210,52		0.21	232	0.0	0.0	0.0
	2.89e-03	0.01	0.0	235,232,0	0.08	2.92e-03	2.92e-03232,204,204				1.00	0.04	0.96
1412	0.02	0.24	0.0	232,52,0	0.27	2.87e-03	0.03 52,230,52		0.40	52	0.87	0.06	0.94
	0.01	0.02	0.0	223,220,0	0.27	6.81e-03	6.81e-0352,207,207				1.00	0.04	0.96
1896	0.04	0.07	0.0	223,220,0	0.19	2.03e-03	7.96e-03232,231,228		0.33	232	0.87	0.06	0.94
	0.03	0.03	0.0	235,228,0	0.19	4.21e-03	4.21e-03232,219,219				1.00	0.04	0.96
1897	0.03	0.06	0.0	223,220,0	0.15	5.40e-03	0.01232,204,204		0.30	232	0.87	0.06	0.94
	0.03	0.03	0.0	215,212,0	0.15	8.39e-03	8.39e-03232,204,204				1.00	0.04	0.96
1898	0.02	0.05	0.0	223,220,0	0.13	0.01	0.03232,204,204		0.27	232	0.87	0.06	0.94
	0.02	0.02	0.0	212,217,0	0.13	0.01	0.01232,204,204				1.00	0.04	0.96
1899	0.02	0.05	0.0	207,204,0	0.11	0.01	0.03232,204,204		0.25	232	0.87	0.06	0.94
	0.02	0.02	0.0	229,212,0	0.11	0.01	0.01232,232,232				1.00	0.04	0.96
1927	0.02	0.05	0.0	210,209,0	0.11	0.02	0.03232,210,210		0.26	232	0.87	0.06	0.94
	0.12	0.07	0.0	230,229,0	0.11	0.02	0.02232,210,210				1.00	0.04	0.96
1928	0.02	0.05	0.0	230,209,0	0.11	0.03	0.03232,210,209		0.26	232	0.87	0.06	0.94
	0.12	0.07	0.0	230,229,0	0.11	0.02	0.02232,210,210				1.00	0.04	0.96
1929	0.02	0.05	0.0	230,229,0	0.02	0.03	0.03232,210,209		0.10	232	0.87	0.06	0.94
	0.12	0.07	0.0	230,229,0	0.02	0.02	0.02232,210,210				1.00	0.04	0.96
2925	0.04	0.07	0.0	223,220,0	0.19	4.68e-03	7.96e-03232,207,228		0.33	232	0.87	0.06	0.94
	0.03	0.03	0.0	235,228,0	0.19	4.30e-03	4.30e-03232,215,215				1.00	0.04	0.96
2926	0.04	0.07	0.0	223,220,0	0.19	4.68e-03	7.96e-03232,207,228		0.33	232	0.87	0.06	0.94
	0.03	0.03	0.0	235,228,0	0.19	4.00e-03	4.00e-03232,204,204				1.00	0.04	0.96
2928	0.03	0.06	0.0	223,220,0	0.15	5.40e-03	0.01232,204,204		0.30	232	0.87	0.06	0.94
	0.03	0.03	0.0	215,212,0	0.15	8.39e-03	8.39e-03232,204,204				1.00	0.04	0.96
2930	0.02	0.05	0.0	223,220,0	0.14	0.01	0.03232,204,204		0.29	232	0.87	0.06	0.94
	0.02	0.02	0.0	212,217,0	0.14	0.01	0.01232,204,204				1.00	0.04	0.96
2932	0.02	0.05	0.0	207,204,0	0.15	0.01	0.03232,204,204		0.30	232	0.87	0.06	0.94
	0.02	0.02	0.0	229,212,0	0.15	0.01	0.01232,232,232				1.00	0.04	0.96
2933	0.03	5.76e-03	0.0	51,229,0	0.14	4.99e-03	5.00e-03232,204,209		0.29	232	0.87	0.06	0.94
	0.02	0.02	0.0	229,204,0	0.14	5.21e-03	5.21e-03232,204,204				1.00	0.04	0.96
2934	0.03	4.53e-03	0.0	51,231,0	0.13	4.99e-03	4.99e-03232,204,204		0.28	232	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.13	4.00e-03	4.00e-03232,204,204				1.00	0.04	0.96
2935	0.02	0.01	0.0	51,209,0	0.14	4.30e-03	7.62e-03232,204,209		0.29	232	0.87	0.06	0.94
	0.02	0.02	0.0	229,204,0	0.14	5.21e-03	5.21e-03232,204,204				1.00	0.04	0.96
2936	0.02	0.02	0.0	210,209,0	0.14	4.30e-03	7.95e-03232,204,204		0.29	232	0.87	0.06	0.94
	0.01	0.01	0.0	209,209,0	0.14	4.43e-03	4.43e-03232,209,209				1.00	0.04	0.96
2937	0.02	0.02	0.0	210,209,0	0.15	2.41e-03	8.75e-03232,210,209		0.30	232	0.87	0.06	0.94

	0.01	9.46e-03	0.0	208,205,0	0.15	6.79e-03	6.79e-03232,209,209			1.00	0.04	0.96
2938	0.03	9.17e-03	0.0	51,57,0	0.14	4.99e-03	7.84e-03235,204,209	0.29	235	0.87	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.14	5.21e-03	5.21e-03235,204,204			1.00	0.04	0.96
2939	0.03	5.62e-03	0.0	51,57,0	0.14	4.99e-03	4.99e-03235,204,204	0.29	235	0.87	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.14	3.57e-03	3.57e-03235,204,204			1.00	0.04	0.96
2940	0.02	0.02	0.0	51,209,0	0.14	4.38e-03	7.84e-03235,204,209	0.29	235	0.87	0.06	0.94
	0.01	0.01	0.0	227,224,0	0.14	5.21e-03	5.21e-03235,204,204			1.00	0.04	0.96
2941	0.02	0.02	0.0	204,59,0	0.14	2.52e-03	7.48e-03235,204,209	0.28	235	0.87	0.06	0.94
	7.15e-03	8.25e-03	0.0	207,212,0	0.14	4.43e-03	4.43e-03235,209,209			1.00	0.04	0.96
2942	0.01	0.03	0.0	204,59,0	0.13	2.29e-03	8.40e-03235,209,209	0.28	235	0.87	0.06	0.94
	0.02	9.46e-03	0.0	228,205,0	0.13	2.41e-03	2.41e-03235,217,217			1.00	0.04	0.96
2943	9.98e-03	0.06	0.0	204,52,0	0.21	6.74e-03	0.01235,204,209	0.35	235	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.21	4.78e-03	4.78e-03235,204,204			1.00	0.04	0.96
2944	8.71e-03	0.05	0.0	55,52,0	0.21	6.74e-03	0.01235,204,209	0.35	235	0.87	0.06	0.94
	7.39e-03	0.01	0.0	235,232,0	0.21	3.57e-03	3.57e-03235,204,204			1.00	0.04	0.96
2945	0.01	0.07	0.0	204,52,0	0.19	4.38e-03	0.01235,204,209	0.34	235	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.19	4.78e-03	4.78e-03235,204,204			1.00	0.04	0.96
2946	0.01	0.07	0.0	204,52,0	0.17	2.12e-03	9.92e-03235,209,209	0.32	235	0.87	0.06	0.94
	0.01	9.94e-03	0.0	215,212,0	0.17	2.85e-03	2.85e-03235,209,209			1.00	0.04	0.96
2947	7.82e-03	0.07	0.0	210,52,0	0.16	2.29e-03	0.01235,209,209	0.31	235	0.87	0.06	0.94
	0.02	9.20e-03	0.0	232,209,0	0.16	1.61e-03	1.61e-03235,204,204			1.00	0.04	0.96
2948	0.0	0.15	0.0	0,52,0	0.21	7.41e-03	0.02235,204,52	0.35	235	0.0	0.0	0.0
	0.02	0.03	0.0	204,207,0	0.21	9.41e-03	9.41e-03235,207,207			1.00	0.04	0.96
2949	0.0	0.14	0.0	0,52,0	0.19	3.74e-03	0.02235,209,52	0.34	235	0.0	0.0	0.0
	0.02	0.02	0.0	207,204,0	0.19	3.72e-03	3.72e-03235,204,204			1.00	0.04	0.96
2950	0.0	0.13	0.0	0,52,0	0.17	1.48e-03	0.01235,210,52	0.32	235	0.0	0.0	0.0
	0.02	9.95e-03	0.0	215,212,0	0.17	1.05e-03	1.05e-03235,204,204			1.00	0.04	0.96
2951	0.0	0.11	0.0	0,52,0	0.16	2.20e-03	0.01235,209,52	0.31	235	0.0	0.0	0.0
	0.02	7.73e-03	0.0	232,235,0	0.16	1.61e-03	1.61e-03235,204,204			1.00	0.04	0.96
2953	0.02	0.05	0.0	210,209,0	0.18	0.02	0.03232,210,210	0.32	232	0.87	0.06	0.94
	0.12	0.07	0.0	230,229,0	0.18	0.02	0.02232,210,210			1.00	0.04	0.96
2955	0.02	0.05	0.0	230,209,0	0.18	0.03	0.03232,210,209	0.32	232	0.87	0.06	0.94
	0.12	0.07	0.0	230,229,0	0.18	0.02	0.02232,210,210			1.00	0.04	0.96
2957	0.02	0.05	0.0	230,229,0	0.09	0.03	0.03232,210,209	0.23	232	0.87	0.06	0.94
	0.12	0.07	0.0	230,229,0	0.09	0.02	0.02232,210,210			1.00	0.04	0.96
2958	0.02	0.03	0.0	230,229,0	0.18	6.93e-03	0.01232,204,209	0.32	232	0.87	0.06	0.94
	0.11	0.05	0.0	230,229,0	0.18	6.79e-03	6.79e-03232,209,209			1.00	0.04	0.96
2959	0.02	0.03	0.0	230,59,0	0.18	8.03e-03	0.01232,209,209	0.32	232	0.87	0.06	0.94
	0.11	0.06	0.0	230,229,0	0.18	6.35e-03	6.35e-03232,210,210			1.00	0.04	0.96
2960	0.02	0.03	0.0	230,59,0	0.09	8.03e-03	0.01232,209,209	0.23	232	0.87	0.06	0.94
	0.11	0.06	0.0	230,229,0	0.09	6.35e-03	6.35e-03232,210,210			1.00	0.04	0.96
2961	9.30e-03	0.04	0.0	204,59,0	0.13	5.13e-03	0.01235,209,204	0.28	235	0.87	0.06	0.94
	0.09	0.05	0.0	230,229,0	0.13	1.95e-03	1.95e-03235,206,206			1.00	0.04	0.96
2962	0.0	0.04	0.0	0,52,0	0.12	6.43e-03	0.01235,204,204	0.27	235	0.0	0.0	0.0
	0.09	0.05	0.0	230,229,0	0.12	3.14e-03	3.14e-03235,210,210			1.00	0.04	0.96
2963	0.0	0.04	0.0	0,52,0	0.09	6.43e-03	9.53e-03235,204,204	0.23	235	0.0	0.0	0.0
	0.08	0.04	0.0	230,229,0	0.09	3.14e-03	3.14e-03235,210,210			1.00	0.04	0.96
2964	0.0	0.07	0.0	0,52,0	0.15	4.07e-03	0.01235,209,209	0.30	235	0.0	0.0	0.0
	0.08	0.04	0.0	232,235,0	0.15	1.95e-03	1.95e-03235,206,206			1.00	0.04	0.96
2965	0.0	0.07	0.0	0,52,0	0.14	5.64e-03	0.01235,204,209	0.28	235	0.0	0.0	0.0
	0.08	0.04	0.0	232,235,0	0.14	1.95e-03	1.95e-03235,206,206			1.00	0.04	0.96
2966	0.0	0.07	0.0	0,52,0	0.10	5.64e-03	1.00e-02235,204,209	0.25	235	0.0	0.0	0.0
	0.06	0.03	0.0	232,235,0	0.10	1.80e-03	1.80e-03235,210,210			1.00	0.04	0.96
2967	0.0	0.10	0.0	0,52,0	0.15	3.76e-03	0.01235,204,209	0.30	235	0.0	0.0	0.0
	0.07	0.03	0.0	232,235,0	0.15	1.67e-03	1.67e-03235,208,208			1.00	0.04	0.96
2968	0.0	0.10	0.0	0,52,0	0.14	5.50e-03	0.01235,209,209	0.28	235	0.0	0.0	0.0
	0.07	0.03	0.0	232,235,0	0.14	1.67e-03	1.67e-03235,208,208			1.00	0.04	0.96
2969	0.0	0.09	0.0	0,52,0	0.10	5.50e-03	0.01235,209,209	0.25	235	0.0	0.0	0.0
	0.05	0.02	0.0	232,235,0	0.10	1.18e-03	1.18e-03235,204,204			1.00	0.04	0.96
2970	0.0	0.15	0.0	0,52,0	0.10	7.41e-03	0.02235,204,52	0.24	235	0.0	0.0	0.0
	0.02	0.03	0.0	204,207,0	0.10	9.41e-03	9.41e-03235,207,207			1.00	0.04	0.96
2971	0.0	0.14	0.0	0,52,0	0.11	3.72e-03	0.02235,209,52	0.25	235	0.0	0.0	0.0
	0.02	0.01	0.0	219,216,0	0.11	3.27e-03	3.27e-03235,204,204			1.00	0.04	0.96
2972	0.0	0.13	0.0	0,52,0	0.11	2.00e-03	0.01235,210,52	0.26	235	0.0	0.0	0.0
	0.02	9.95e-03	0.0	215,212,0	0.11	1.85e-03	1.85e-03235,204,204			1.00	0.04	0.96
2973	0.0	0.11	0.0	0,52,0	0.11	1.92e-03	0.01235,209,52	0.26	235	0.0	0.0	0.0
	0.02	8.04e-03	0.0	230,229,0	0.11	1.67e-03	1.67e-03235,204,204			1.00	0.04	0.96
2974	0.0	0.11	0.0	0,52,0	0.10	3.84e-03	0.01235,210,52	0.24	235	0.0	0.0	0.0
	0.01	0.01	0.0	219,216,0	0.10	3.27e-03	3.27e-03235,204,204			1.00	0.04	0.96
2975	0.0	0.10	0.0	0,52,0	0.10	3.72e-03	0.01235,209,209	0.24	235	0.0	0.0	0.0
	0.01	0.01	0.0	219,216,0	0.10	3.27e-03	3.27e-03235,204,204			1.00	0.04	0.96
2976	0.0	0.10	0.0	0,52,0	0.10	2.00e-03	0.01235,210,204	0.24	235	0.0	0.0	0.0
	0.01	8.48e-03	0.0	215,212,0	0.10	2.76e-03	2.76e-03235,204,204			1.00	0.04	0.96
2977	0.0	0.10	0.0	0,52,0	0.10	1.75e-03	0.01235,209,52	0.24	235	0.0	0.0	0.0
	0.02	9.21e-03	0.0	230,229,0	0.10	2.51e-03	2.51e-03235,204,204			1.00	0.04	0.96

2978	0.0	0.11	0.0	0,52,0	0.09	4.05e-03	0.01235,210,52	0.23	235	0.0	0.0	0.0
	0.01	0.01	0.0	223,52,0	0.09	2.51e-03	2.51e-03235,204,204			1.00	0.04	0.96
2979	0.0	0.11	0.0	0,52,0	0.09	3.18e-03	0.01235,210,52	0.23	235	0.0	0.0	0.0
	0.02	7.58e-03	0.0	207,204,0	0.09	3.07e-03	3.07e-03235,209,209			1.00	0.04	0.96
2980	0.0	0.11	0.0	0,52,0	0.09	1.99e-03	0.01235,210,52	0.23	235	0.0	0.0	0.0
	0.02	8.19e-03	0.0	207,204,0	0.09	3.07e-03	3.07e-03235,209,209			1.00	0.04	0.96
2981	0.0	0.11	0.0	0,52,0	0.09	1.67e-03	0.01235,209,52	0.23	235	0.0	0.0	0.0
	0.02	0.01	0.0	230,229,0	0.09	3.06e-03	3.06e-03235,204,204			1.00	0.04	0.96
2982	0.0	0.13	0.0	0,52,0	0.09	4.13e-03	0.01232,210,52	0.23	232	0.0	0.0	0.0
	0.02	0.01	0.0	207,52,0	0.09	2.66e-03	2.66e-03232,209,209			1.00	0.04	0.96
2983	0.0	0.12	0.0	0,52,0	0.09	3.00e-03	0.01232,210,52	0.23	232	0.0	0.0	0.0
	0.02	0.01	0.0	207,204,0	0.09	3.69e-03	3.69e-03232,209,209			1.00	0.04	0.96
2984	0.0	0.12	0.0	0,52,0	0.09	1.52e-03	0.01232,210,52	0.23	232	0.0	0.0	0.0
	0.03	0.01	0.0	207,204,0	0.09	3.69e-03	3.69e-03232,209,209			1.00	0.04	0.96
2985	0.0	0.12	0.0	0,52,0	0.08	1.55e-03	0.01232,210,52	0.22	232	0.0	0.0	0.0
	0.03	0.01	0.0	210,204,0	0.08	3.06e-03	3.06e-03232,204,204			1.00	0.04	0.96
2986	0.0	0.15	0.0	0,52,0	0.09	4.13e-03	0.02232,210,52	0.22	232	0.0	0.0	0.0
	0.03	0.02	0.0	207,204,0	0.09	3.87e-03	3.87e-03232,209,209			1.00	0.04	0.96
2987	0.0	0.14	0.0	0,52,0	0.08	2.95e-03	0.02232,210,52	0.22	232	0.0	0.0	0.0
	0.04	0.02	0.0	207,204,0	0.08	4.98e-03	4.98e-03232,209,209			1.00	0.04	0.96
2988	0.0	0.14	0.0	0,52,0	0.08	1.23e-03	0.02232,211,52	0.22	232	0.0	0.0	0.0
	0.04	0.02	0.0	207,204,0	0.08	4.98e-03	4.98e-03232,209,209			1.00	0.04	0.96
2989	0.0	0.13	0.0	0,52,0	0.08	1.51e-03	0.01232,210,52	0.22	232	0.0	0.0	0.0
	0.04	0.02	0.0	207,204,0	0.08	3.05e-03	3.05e-03232,209,209			1.00	0.04	0.96
2990	0.0	0.24	0.0	0,52,0	0.08	3.98e-03	0.03232,210,52	0.21	232	0.0	0.0	0.0
	0.05	0.03	0.0	207,204,0	0.08	6.24e-03	6.24e-03232,210,210			1.00	0.04	0.96
2991	0.0	0.21	0.0	0,52,0	0.08	2.64e-03	0.02232,206,52	0.21	232	0.0	0.0	0.0
	0.05	0.03	0.0	207,204,0	0.08	6.24e-03	6.24e-03232,210,210			1.00	0.04	0.96
2992	0.0	0.19	0.0	0,52,0	0.08	9.92e-04	0.02232,207,52	0.21	232	0.0	0.0	0.0
	0.05	0.03	0.0	207,204,0	0.08	5.13e-03	5.13e-03232,209,209			1.00	0.04	0.96
2993	0.0	0.17	0.0	0,52,0	0.07	1.49e-03	0.02232,210,52	0.21	232	0.0	0.0	0.0
	0.04	0.02	0.0	207,204,0	0.07	4.56e-03	4.56e-03232,207,207			1.00	0.04	0.96
2994	0.02	0.24	0.0	232,52,0	0.27	2.87e-03	0.03 52,230,52	0.40	52	0.87	0.06	0.94
	0.05	0.03	0.0	207,204,0	0.27	6.81e-03	6.81e-0352,207,207			1.00	0.04	0.96
2995	0.01	0.21	0.0	232,52,0	0.20	1.61e-03	0.02 52,207,52	0.34	52	0.87	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.20	6.24e-03	6.24e-0352,210,210			1.00	0.04	0.96
2996	5.55e-03	0.19	0.0	232,52,0	0.15	3.00e-03	0.02 52,204,52	0.30	52	0.87	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.15	5.13e-03	5.13e-0352,209,209			1.00	0.04	0.96
2997	0.0	0.17	0.0	0,52,0	0.12	3.00e-03	0.02 52,204,52	0.27	52	0.0	0.0	0.0
	0.04	0.02	0.0	207,204,0	0.12	6.22e-03	6.22e-0352,207,207			1.00	0.04	0.96
2998	0.0	0.10	0.0	0,52,0	0.11	3.47e-03	0.01235,204,209	0.26	235	0.0	0.0	0.0
	0.06	0.02	0.0	230,229,0	0.11	1.67e-03	1.67e-03235,208,208			1.00	0.04	0.96
2999	0.0	0.10	0.0	0,52,0	0.11	5.50e-03	0.01235,209,209	0.25	235	0.0	0.0	0.0
	0.06	0.02	0.0	230,229,0	0.11	3.04e-03	3.04e-03235,209,209			1.00	0.04	0.96
3000	0.0	0.09	0.0	0,52,0	0.09	5.50e-03	0.01235,209,209	0.23	235	0.0	0.0	0.0
	0.04	0.02	0.0	230,229,0	0.09	3.04e-03	3.04e-03235,209,209			1.00	0.04	0.96
3001	0.0	0.10	0.0	0,52,0	0.10	3.42e-03	0.01235,210,204	0.24	235	0.0	0.0	0.0
	0.05	0.02	0.0	230,229,0	0.10	2.15e-03	2.15e-03235,204,204			1.00	0.04	0.96
3002	0.0	0.10	0.0	0,52,0	0.09	5.12e-03	0.01235,209,204	0.23	235	0.0	0.0	0.0
	0.05	0.02	0.0	230,229,0	0.09	3.04e-03	3.04e-03235,209,209			1.00	0.04	0.96
3003	0.0	0.09	0.0	0,52,0	0.08	5.12e-03	0.01235,209,204	0.21	235	0.0	0.0	0.0
	0.04	0.01	0.0	230,229,0	0.08	3.04e-03	3.04e-03235,209,209			1.00	0.04	0.96
3004	0.0	0.11	0.0	0,52,0	0.08	3.42e-03	0.01235,210,52	0.22	235	0.0	0.0	0.0
	0.05	0.02	0.0	230,229,0	0.08	2.41e-03	2.41e-03235,204,204			1.00	0.04	0.96
3005	0.0	0.10	0.0	0,52,0	0.07	4.49e-03	0.01232,210,52	0.21	232	0.0	0.0	0.0
	0.05	0.02	0.0	230,229,0	0.07	1.71e-03	1.71e-03232,206,206			1.00	0.04	0.96
3006	0.0	0.10	0.0	0,52,0	0.06	4.49e-03	0.01232,210,52	0.19	232	0.0	0.0	0.0
	0.04	0.01	0.0	230,229,0	0.06	1.71e-03	1.71e-03232,206,206			1.00	0.04	0.96
3007	0.0	0.11	0.0	0,52,0	0.08	2.98e-03	0.01232,210,52	0.22	232	0.0	0.0	0.0
	0.04	0.02	0.0	230,229,0	0.08	2.41e-03	2.41e-03232,204,204			1.00	0.04	0.96
3008	0.0	0.11	0.0	0,52,0	0.07	3.95e-03	0.01232,211,52	0.21	232	0.0	0.0	0.0
	0.04	0.02	0.0	230,229,0	0.07	1.71e-03	1.71e-03232,206,206			1.00	0.04	0.96
3009	0.0	0.11	0.0	0,52,0	0.06	3.95e-03	0.01232,211,52	0.19	232	0.0	0.0	0.0
	0.03	0.01	0.0	230,229,0	0.06	1.71e-03	1.71e-03232,206,206			1.00	0.04	0.96
3010	0.0	0.13	0.0	0,52,0	0.08	2.35e-03	0.01232,206,52	0.21	232	0.0	0.0	0.0
	0.04	0.01	0.0	230,229,0	0.08	2.51e-03	2.51e-03232,207,207			1.00	0.04	0.96
3011	0.0	0.13	0.0	0,52,0	0.07	3.95e-03	0.01232,211,52	0.20	232	0.0	0.0	0.0
	0.04	0.01	0.0	230,229,0	0.07	2.51e-03	2.51e-03232,207,207			1.00	0.04	0.96
3012	0.0	0.12	0.0	0,52,0	0.06	3.95e-03	0.01232,211,52	0.19	232	0.0	0.0	0.0
	0.02	6.91e-03	0.0	230,229,0	0.06	8.38e-04	8.38e-04232,209,209			1.00	0.04	0.96
3013	0.0	0.16	0.0	0,52,0	0.07	1.72e-03	0.02232,211,52	0.20	232	0.0	0.0	0.0
	0.03	0.01	0.0	210,209,0	0.07	5.81e-03	5.81e-03232,207,207			1.00	0.04	0.96
3014	0.0	0.14	0.0	0,52,0	0.06	2.61e-03	0.02232,211,52	0.19	232	0.0	0.0	0.0
	0.03	9.57e-03	0.0	230,229,0	0.06	5.81e-03	5.81e-03232,207,207			1.00	0.04	0.96
3015	0.0	0.12	0.0	0,52,0	0.06	2.61e-03	0.01232,211,52	0.18	232	0.0	0.0	0.0

3016	0.02	3.61e-03	0.0	230,229,0	0.06	1.91e-03	1.91e-03	232,207,207	0.25	52	1.00	0.04	0.96
	0.0	0.16	0.0	0,52,0	0.10	2.44e-03	0.02	52,207,52			0.0	0.0	0.0
	0.02	0.01	0.0	210,209,0	0.10	7.41e-03	7.41e-03	52,207,207			1.00	0.04	0.96
3017	0.0	0.14	0.0	0,52,0	0.08	1.95e-03	0.02	52,208,52	0.22	52	0.0	0.0	0.0
	0.02	0.01	0.0	210,209,0	0.08	7.41e-03	7.41e-03	52,207,207			1.00	0.04	0.96
3018	0.0	0.12	0.0	0,52,0	0.06	1.95e-03	0.01	52,208,52	0.19	52	0.0	0.0	0.0
	0.02	5.83e-03	0.0	210,209,0	0.06	3.51e-03	3.51e-03	52,204,204			1.00	0.04	0.96
3019	0.02	0.10	0.0	232,235,0	0.27	0.01	0.02	52,207,207	0.40	52	0.87	0.06	0.94
	0.05	0.03	0.0	207,204,0	0.27	0.01	0.01	52,207,207			1.00	0.04	0.96
3020	0.02	0.10	0.0	232,235,0	0.27	0.01	0.02	52,207,207	0.40	52	0.87	0.06	0.94
	0.01	0.02	0.0	223,220,0	0.27	6.81e-03	6.81e-03	52,207,207			1.00	0.04	0.96
3021	0.02	0.10	0.0	204,52,0	0.20	4.01e-03	0.01	52,204,207	0.34	52	0.87	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.20	0.01	0.01	52,207,207			1.00	0.04	0.96
3022	0.02	0.10	0.0	204,52,0	0.15	0.01	0.02	52,207,207	0.30	52	0.87	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.15	0.01	0.01	52,207,207			1.00	0.04	0.96
3023	5.81e-03	0.10	0.0	220,52,0	0.12	0.01	0.02	52,207,207	0.27	52	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.12	0.01	0.01	52,207,207			1.00	0.04	0.96
3024	0.06	0.04	0.0	209,210,0	0.09	0.03	0.03	52,210,210	0.23	52	0.87	0.06	0.94
	0.05	0.04	0.0	207,204,0	0.09	0.06	0.06	52,207,207			1.00	0.04	0.96
3025	0.03	0.01	0.0	204,207,0	0.09	0.03	0.03	52,207,207	0.23	52	0.87	0.06	0.94
	0.01	0.01	0.0	207,204,0	0.09	4.22e-03	4.22e-03	52,207,207			1.00	0.04	0.96
3026	0.06	0.04	0.0	209,210,0	0.09	0.03	0.03	52,207,230	0.23	52	0.87	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.09	0.06	0.06	52,207,207			1.00	0.04	0.96
3027	0.06	0.04	0.0	209,210,0	0.08	0.03	0.03	52,207,230	0.22	52	0.87	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.08	0.05	0.05	52,210,210			1.00	0.04	0.96
3028	0.02	0.03	0.0	209,59,0	0.07	0.02	0.02	52,210,210	0.21	52	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.07	0.01	0.01	52,207,207			1.00	0.04	0.96
3029	0.06	0.04	0.0	209,210,0	0.03	0.03	0.03	52,210,210	0.13	52	0.87	0.06	0.94
	0.05	0.04	0.0	207,204,0	0.03	0.06	0.06	52,207,207			1.00	0.04	0.96
3030	0.03	7.76e-03	0.0	204,207,0	0.03	0.03	0.03	52,207,207	0.13	52	0.87	0.06	0.94
	8.50e-03	5.99e-03	0.0	207,204,0	0.03	4.22e-03	4.22e-03	52,207,207			1.00	0.04	0.96
3031	0.06	0.04	0.0	209,210,0	0.03	0.03	0.03	52,207,230	0.13	52	0.87	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.03	0.06	0.06	52,207,207			1.00	0.04	0.96
3032	0.06	0.04	0.0	209,210,0	0.03	0.03	0.03	52,207,230	0.13	52	0.87	0.06	0.94
	0.06	0.04	0.0	207,204,0	0.03	0.05	0.05	52,210,210			1.00	0.04	0.96
3033	0.02	0.01	0.0	209,210,0	0.03	0.02	0.02	52,210,210	0.13	52	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.03	7.60e-03	7.60e-03	52,209,209			1.00	0.04	0.96
3034	0.0	0.09	0.0	0,52,0	0.10	9.65e-03	0.01	52,209,207	0.25	52	0.0	0.0	0.0
	0.03	0.02	0.0	210,209,0	0.10	7.41e-03	7.41e-03	52,207,207			1.00	0.04	0.96
3035	0.0	0.09	0.0	0,52,0	0.08	6.85e-03	0.01	52,209,207	0.22	52	0.0	0.0	0.0
	0.03	0.02	0.0	210,209,0	0.08	7.41e-03	7.41e-03	52,207,207			1.00	0.04	0.96
3036	0.0	0.09	0.0	0,52,0	0.06	6.85e-03	0.01	52,209,207	0.19	52	0.0	0.0	0.0
	0.03	0.02	0.0	210,209,0	0.06	4.99e-03	4.99e-03	52,204,204			1.00	0.04	0.96
3037	0.03	0.04	0.0	209,59,0	0.07	0.02	0.03	52,209,210	0.20	52	0.87	0.06	0.94
	0.03	0.02	0.0	210,209,0	0.07	0.04	0.04	52,209,209			1.00	0.04	0.96
3038	0.03	0.04	0.0	209,52,0	0.06	0.03	0.04	52,209,210	0.19	52	0.87	0.06	0.94
	0.03	0.02	0.0	210,209,0	0.06	0.04	0.04	52,209,209			1.00	0.04	0.96
3039	0.02	0.04	0.0	229,52,0	0.05	0.03	0.04	52,209,210	0.16	52	0.87	0.06	0.94
	0.03	0.02	0.0	210,209,0	0.05	0.02	0.02	52,209,209			1.00	0.04	0.96
3040	0.03	0.03	0.0	209,210,0	0.03	0.02	0.03	52,209,210	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.03	0.04	0.04	52,209,209			1.00	0.04	0.96
3041	0.03	0.03	0.0	209,230,0	0.03	0.03	0.04	52,209,210	0.12	52	0.87	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.03	0.04	0.04	52,209,209			1.00	0.04	0.96
3042	0.02	0.03	0.0	229,230,0	0.02	0.03	0.04	52,209,210	0.11	52	0.87	0.06	0.94
	0.01	9.09e-03	0.0	220,223,0	0.02	0.02	0.02	52,209,209			1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.12 0.24 0.0 0.27 0.06 0.06 0.40

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
88	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.74 182.5 191 0.64 158.0 193 0.53 -4.965e+04 1.099e+07 225

Nodo V. 127 V. 128 V. 545 Rif. cmb V. 129 V. 130 V. 131 Rif. cmb V. D.26 Rif. cmb Fac. B-A Qsup. A Qsup. B
301 0.03 0.24 0.0 227,52,0 0.23 3.27e-03 0.03 52,215,52 0.37 52 0.87 0.06 0.94
0.02 0.03 0.0 214,213,0 0.23 7.58e-03 7.58e-03 52,216,216 1.00 0.04 0.96

444	0.0	0.24	0.0	0,52,0	0.07	5.34e-03	0.03225,218,52	0.20	225	0.0	0.0	0.0
	0.02	0.02	0.0	214,213,0	0.07	2.98e-03	2.98e-03225,214,214			1.00	0.04	0.96
447	0.0	0.16	0.0	0,52,0	0.07	6.25e-03	0.02225,214,52	0.20	225	0.0	0.0	0.0
	0.01	0.02	0.0	214,213,0	0.07	2.98e-03	2.98e-03225,214,214			1.00	0.04	0.96
450	0.0	0.15	0.0	0,52,0	0.08	6.25e-03	0.02226,214,52	0.22	226	0.0	0.0	0.0
	8.23e-03	0.01	0.0	214,213,0	0.08	9.56e-04	9.56e-04226,228,228			1.00	0.04	0.96
453	0.0	0.16	0.0	0,52,0	0.09	5.60e-03	0.02226,219,52	0.23	226	0.0	0.0	0.0
	7.88e-03	0.01	0.0	218,217,0	0.09	2.06e-03	2.06e-03226,213,213			1.00	0.04	0.96
456	0.0	0.16	0.0	0,52,0	0.09	5.57e-03	0.02220,218,52	0.23	220	0.0	0.0	0.0
	5.79e-03	0.01	0.0	218,217,0	0.09	2.06e-03	2.06e-03220,213,213			1.00	0.04	0.96
501	0.06	0.48	0.0	230,229,0	0.25	0.01	0.07225,208,205	0.39	225	0.87	0.06	0.94
	6.79e-03	0.02	0.0	226,221,0	0.25	1.73e-03	1.73e-03225,230,230			1.00	0.04	0.96
502	0.06	0.48	0.0	230,229,0	0.19	0.01	0.07225,208,205	0.34	225	0.87	0.06	0.94
	6.79e-03	0.02	0.0	226,225,0	0.19	4.50e-04	4.50e-04225,211,211			1.00	0.04	0.96
2346	0.06	0.48	0.0	230,229,0	0.19	0.01	0.07225,208,205	0.34	225	0.87	0.06	0.94
	6.79e-03	0.02	0.0	226,225,0	0.19	8.56e-04	8.56e-04225,208,208			1.00	0.04	0.96
2348	0.04	0.43	0.0	230,52,0	0.11	0.02	0.08225,208,205	0.26	225	0.87	0.06	0.94
	3.52e-03	0.02	0.0	228,52,0	0.11	7.40e-03	7.40e-03225,208,208			1.00	0.04	0.96
2349	0.03	0.41	0.0	230,52,0	0.06	0.03	0.10223,208,205	0.19	223	0.87	0.06	0.94
	0.04	0.04	0.0	208,205,0	0.06	0.04	0.04223,208,208			1.00	0.04	0.96
2350	0.02	0.39	0.0	234,52,0	0.03	0.07	0.13223,205,205	0.14	223	0.87	0.06	0.94
	0.04	0.04	0.0	208,205,0	0.03	0.04	0.04223,208,208			1.00	0.04	0.96
2357	0.0	0.30	0.0	0,52,0	0.04	0.07	0.13220,205,205	0.15	220	0.0	0.0	0.0
	0.05	0.07	0.0	225,228,0	0.04	0.03	0.03220,205,205			1.00	0.04	0.96
2358	0.0	0.25	0.0	0,52,0	0.04	0.01	0.04220,223,52	0.15	220	0.0	0.0	0.0
	0.05	0.07	0.0	223,220,0	0.04	0.03	0.03220,205,205			1.00	0.04	0.96
2359	0.0	0.18	0.0	0,52,0	5.36e-03	0.01	0.03220,207,52	0.06	220	0.0	0.0	0.0
	0.05	0.07	0.0	223,220,0	5.35e-03	7.00e-03	7.00e-03 220,52,52			1.00	0.04	0.96
2572	0.06	0.04	0.0	216,213,0	0.02	0.03	0.0352,216,216	0.12	52	0.87	0.06	0.94
	0.05	0.04	0.0	216,213,0	0.02	0.07	0.0752,216,216			1.00	0.04	0.96
2573	0.03	8.24e-03	0.0	211,208,0	0.02	0.03	0.0352,216,216	0.11	52	0.87	0.06	0.94
	7.17e-03	6.24e-03	0.0	206,205,0	0.02	5.98e-03	5.98e-0352,213,213			1.00	0.04	0.96
2574	0.06	0.04	0.0	216,213,0	0.03	0.04	0.0452,216,216	0.12	52	0.87	0.06	0.94
	0.06	0.04	0.0	216,213,0	0.03	0.07	0.0752,216,216			1.00	0.04	0.96
2575	0.06	0.04	0.0	208,213,0	0.03	0.04	0.0452,216,216	0.13	52	0.87	0.06	0.94
	0.06	0.04	0.0	216,213,0	0.03	0.06	0.0652,216,216			1.00	0.04	0.96
2576	0.02	0.01	0.0	214,213,0	0.03	0.02	0.0352,216,213	0.13	52	0.87	0.06	0.94
	0.03	0.02	0.0	214,213,0	0.03	9.98e-03	9.98e-0352,216,216			1.00	0.04	0.96
2586	0.03	0.03	0.0	214,213,0	0.03	0.02	0.0352,208,213	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	217,217,0	0.03	0.04	0.0452,208,208			1.00	0.04	0.96
2587	0.03	0.03	0.0	214,213,0	0.03	0.03	0.0452,216,213	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	217,217,0	0.03	0.04	0.0452,208,208			1.00	0.04	0.96
2588	0.02	0.03	0.0	214,213,0	0.03	0.03	0.0452,216,213	0.12	52	0.87	0.06	0.94
	0.01	8.18e-03	0.0	231,228,0	0.03	0.02	0.0252,208,208			1.00	0.04	0.96
3043	0.06	0.04	0.0	216,213,0	0.08	0.03	0.0352,216,216	0.21	52	0.87	0.06	0.94
	0.05	0.04	0.0	216,213,0	0.08	0.07	0.0752,216,216			1.00	0.04	0.96
3044	0.03	0.01	0.0	211,57,0	0.08	0.03	0.0352,216,216	0.21	52	0.87	0.06	0.94
	0.02	0.02	0.0	214,213,0	0.08	5.98e-03	5.98e-0352,213,213			1.00	0.04	0.96
3045	0.06	0.04	0.0	216,213,0	0.07	0.04	0.0452,216,216	0.21	52	0.87	0.06	0.94
	0.06	0.04	0.0	216,213,0	0.07	0.07	0.0752,216,216			1.00	0.04	0.96
3046	0.06	0.04	0.0	208,213,0	0.07	0.04	0.0452,216,216	0.20	52	0.87	0.06	0.94
	0.06	0.04	0.0	216,213,0	0.07	0.06	0.0652,216,216			1.00	0.04	0.96
3047	0.02	0.03	0.0	214,59,0	0.07	0.02	0.0352,216,213	0.20	52	0.87	0.06	0.94
	0.03	0.02	0.0	214,213,0	0.07	0.02	0.0252,216,216			1.00	0.04	0.96
3048	0.03	0.09	0.0	227,224,0	0.23	0.02	0.0252,208,208	0.37	52	0.87	0.06	0.94
	0.07	0.05	0.0	216,213,0	0.23	0.01	0.0152,216,216			1.00	0.04	0.96
3049	0.03	0.09	0.0	227,224,0	0.23	0.02	0.0252,208,208	0.37	52	0.87	0.06	0.94
	0.02	0.03	0.0	214,213,0	0.23	7.58e-03	7.58e-0352,216,216			1.00	0.04	0.96
3050	0.02	0.09	0.0	205,52,0	0.18	4.34e-03	0.0152,216,208	0.32	52	0.87	0.06	0.94
	0.07	0.05	0.0	216,213,0	0.18	0.02	0.0252,216,216			1.00	0.04	0.96
3051	0.02	0.09	0.0	211,52,0	0.14	0.01	0.0252,216,208	0.29	52	0.87	0.06	0.94
	0.07	0.05	0.0	216,213,0	0.14	0.02	0.0252,216,216			1.00	0.04	0.96
3052	4.77e-03	0.09	0.0	211,52,0	0.12	0.01	0.0252,216,208	0.26	52	0.87	0.06	0.94
	0.04	0.03	0.0	214,213,0	0.12	0.02	0.0252,216,216			1.00	0.04	0.96
3053	0.03	0.24	0.0	227,52,0	0.23	3.27e-03	0.03 52,215,52	0.37	52	0.87	0.06	0.94
	0.07	0.05	0.0	216,213,0	0.23	7.58e-03	7.58e-0352,216,216			1.00	0.04	0.96
3054	0.02	0.22	0.0	227,52,0	0.18	2.08e-03	0.03 52,218,52	0.32	52	0.87	0.06	0.94
	0.07	0.05	0.0	216,213,0	0.18	6.84e-03	6.84e-0352,216,216			1.00	0.04	0.96
3055	8.17e-03	0.20	0.0	227,52,0	0.14	3.29e-03	0.02 52,216,52	0.29	52	0.87	0.06	0.94
	0.07	0.05	0.0	216,213,0	0.14	5.40e-03	5.40e-0352,213,213			1.00	0.04	0.96
3056	2.89e-03	0.18	0.0	227,52,0	0.12	3.29e-03	0.02 52,216,52	0.26	52	0.87	0.06	0.94
	0.05	0.04	0.0	214,213,0	0.12	7.18e-03	7.18e-0352,216,216			1.00	0.04	0.96
3057	0.03	0.03	0.0	214,59,0	0.07	0.02	0.0352,208,213	0.20	52	0.87	0.06	0.94
	0.03	0.02	0.0	211,208,0	0.07	0.04	0.0452,208,208			1.00	0.04	0.96
3058	0.03	0.04	0.0	214,52,0	0.07	0.03	0.0452,216,213	0.20	52	0.87	0.06	0.94

	0.03	0.02	0.0 211,208,0	0.07	0.04	0.0452,208,208			1.00	0.04	0.96
3059	0.02	0.04	0.0 214,52,0	0.06	0.03	0.0452,216,213	0.18	52	0.87	0.06	0.94
	0.03	0.02	0.0 205,208,0	0.06	0.02	0.0252,208,208			1.00	0.04	0.96
3060	0.0	0.09	0.0 0,52,0	0.10	0.01	0.0152,216,216	0.25	52	0.0	0.0	0.0
	0.03	0.02	0.0 211,208,0	0.10	8.23e-03	8.23e-0352,216,216			1.00	0.04	0.96
3061	0.0	0.09	0.0 0,52,0	0.09	7.90e-03	0.0152,216,216	0.23	52	0.0	0.0	0.0
	0.03	0.02	0.0 211,208,0	0.09	8.23e-03	8.23e-0352,216,216			1.00	0.04	0.96
3062	0.0	0.08	0.0 0,52,0	0.07	7.90e-03	0.0152,216,216	0.21	52	0.0	0.0	0.0
	0.03	0.02	0.0 205,208,0	0.07	4.88e-03	4.88e-0352,208,208			1.00	0.04	0.96
3063	0.0	0.16	0.0 0,52,0	0.10	2.65e-03	0.02 52,208,52	0.25	52	0.0	0.0	0.0
	0.03	0.02	0.0 214,213,0	0.10	8.23e-03	8.23e-0352,216,216			1.00	0.04	0.96
3064	0.0	0.14	0.0 0,52,0	0.09	3.18e-03	0.02 52,218,52	0.23	52	0.0	0.0	0.0
	0.02	0.01	0.0 211,208,0	0.09	8.23e-03	8.23e-0352,216,216			1.00	0.04	0.96
3065	0.0	0.13	0.0 0,52,0	0.07	3.18e-03	0.01 52,218,52	0.21	52	0.0	0.0	0.0
	0.01	7.19e-03	0.0 211,208,0	0.07	3.86e-03	3.86e-0352,208,208			1.00	0.04	0.96
3066	0.0	0.24	0.0 0,52,0	0.07	5.34e-03	0.03225,218,52	0.20	225	0.0	0.0	0.0
	0.06	0.04	0.0 214,213,0	0.07	6.84e-03	6.84e-03225,216,216			1.00	0.04	0.96
3067	0.0	0.22	0.0 0,52,0	0.07	3.44e-03	0.03225,215,52	0.20	225	0.0	0.0	0.0
	0.07	0.05	0.0 214,213,0	0.07	6.84e-03	6.84e-03225,216,216			1.00	0.04	0.96
3068	0.0	0.20	0.0 0,52,0	0.07	1.34e-03	0.02225,208,52	0.20	225	0.0	0.0	0.0
	0.07	0.05	0.0 214,213,0	0.07	5.81e-03	5.81e-03225,216,216			1.00	0.04	0.96
3069	0.0	0.18	0.0 0,52,0	0.07	2.03e-03	0.02225,214,52	0.20	225	0.0	0.0	0.0
	0.05	0.04	0.0 214,213,0	0.07	5.22e-03	5.22e-03225,208,208			1.00	0.04	0.96
3070	0.0	0.16	0.0 0,52,0	0.07	6.25e-03	0.02225,214,52	0.20	225	0.0	0.0	0.0
	0.04	0.03	0.0 214,213,0	0.07	5.24e-03	5.24e-03225,216,216			1.00	0.04	0.96
3071	0.0	0.16	0.0 0,52,0	0.07	3.48e-03	0.02225,218,52	0.21	225	0.0	0.0	0.0
	0.05	0.04	0.0 214,213,0	0.07	5.81e-03	5.81e-03225,216,216			1.00	0.04	0.96
3072	0.0	0.15	0.0 0,52,0	0.07	1.38e-03	0.02225,215,52	0.21	225	0.0	0.0	0.0
	0.05	0.04	0.0 214,213,0	0.07	5.81e-03	5.81e-03225,216,216			1.00	0.04	0.96
3073	0.0	0.15	0.0 0,52,0	0.07	2.20e-03	0.02225,219,52	0.21	225	0.0	0.0	0.0
	0.05	0.03	0.0 214,213,0	0.07	3.78e-03	3.78e-03225,216,216			1.00	0.04	0.96
3074	0.0	0.15	0.0 0,52,0	0.08	6.25e-03	0.02226,214,52	0.22	226	0.0	0.0	0.0
	0.03	0.02	0.0 214,213,0	0.08	3.88e-03	3.88e-03226,216,216			1.00	0.04	0.96
3075	0.0	0.15	0.0 0,52,0	0.08	4.01e-03	0.02226,218,52	0.21	226	0.0	0.0	0.0
	0.04	0.03	0.0 214,213,0	0.08	4.91e-03	4.91e-03226,216,216			1.00	0.04	0.96
3076	0.0	0.14	0.0 0,52,0	0.07	1.81e-03	0.02226,218,52	0.21	226	0.0	0.0	0.0
	0.04	0.03	0.0 214,213,0	0.07	4.91e-03	4.91e-03226,216,216			1.00	0.04	0.96
3077	0.0	0.14	0.0 0,52,0	0.07	2.22e-03	0.02225,219,52	0.21	225	0.0	0.0	0.0
	0.04	0.03	0.0 214,213,0	0.07	4.17e-03	4.17e-03225,216,216			1.00	0.04	0.96
3078	0.0	0.16	0.0 0,52,0	0.09	5.60e-03	0.02226,219,52	0.23	226	0.0	0.0	0.0
	0.02	0.02	0.0 214,213,0	0.09	3.01e-03	3.01e-03226,216,216			1.00	0.04	0.96
3079	0.0	0.15	0.0 0,52,0	0.09	4.01e-03	0.02226,218,52	0.23	226	0.0	0.0	0.0
	0.02	0.02	0.0 214,213,0	0.09	4.18e-03	4.18e-03226,216,216			1.00	0.04	0.96
3080	0.0	0.14	0.0 0,52,0	0.08	1.94e-03	0.02226,218,52	0.22	226	0.0	0.0	0.0
	0.03	0.02	0.0 214,213,0	0.08	4.20e-03	4.20e-03226,216,216			1.00	0.04	0.96
3081	0.0	0.14	0.0 0,52,0	0.08	2.22e-03	0.02226,219,52	0.22	226	0.0	0.0	0.0
	0.03	0.02	0.0 214,213,0	0.08	4.20e-03	4.20e-03226,216,216			1.00	0.04	0.96
3082	0.0	0.16	0.0 0,52,0	0.09	5.57e-03	0.02220,218,52	0.23	220	0.0	0.0	0.0
9.91e-03	0.02	0.02	0.0 214,44,0	0.09	2.68e-03	2.68e-03220,216,216			1.00	0.04	0.96
3083	0.0	0.15	0.0 0,52,0	0.09	3.89e-03	0.02224,214,52	0.23	224	0.0	0.0	0.0
	0.01	0.02	0.0 214,213,0	0.09	3.71e-03	3.71e-03224,216,216			1.00	0.04	0.96
3084	0.0	0.14	0.0 0,52,0	0.09	1.94e-03	0.02224,218,52	0.23	224	0.0	0.0	0.0
	0.02	0.02	0.0 214,213,0	0.09	4.21e-03	4.21e-03224,216,216			1.00	0.04	0.96
3085	0.0	0.13	0.0 0,52,0	0.09	2.08e-03	0.01224,219,52	0.23	224	0.0	0.0	0.0
	0.02	0.02	0.0 214,213,0	0.09	4.21e-03	4.21e-03224,216,216			1.00	0.04	0.96
3086	0.0	0.16	0.0 0,52,0	0.07	2.62e-03	0.02225,218,52	0.20	225	0.0	0.0	0.0
	0.03	0.02	0.0 214,213,0	0.07	6.53e-03	6.53e-03225,208,208			1.00	0.04	0.96
3087	0.0	0.14	0.0 0,52,0	0.07	3.90e-03	0.02225,218,52	0.20	225	0.0	0.0	0.0
	0.02	0.01	0.0 219,216,0	0.07	6.53e-03	6.53e-03225,208,208			1.00	0.04	0.96
3088	0.0	0.13	0.0 0,52,0	0.06	3.90e-03	0.01225,218,52	0.19	225	0.0	0.0	0.0
	0.01	3.96e-03	0.0 225,212,0	0.06	2.29e-03	2.29e-03225,208,208			1.00	0.04	0.96
3089	0.0	0.14	0.0 0,52,0	0.07	3.23e-03	0.02225,218,52	0.20	225	0.0	0.0	0.0
	0.03	0.02	0.0 214,216,0	0.07	3.13e-03	3.13e-03225,208,208			1.00	0.04	0.96
3090	0.0	0.14	0.0 0,52,0	0.07	5.06e-03	0.02225,218,52	0.20	225	0.0	0.0	0.0
	0.02	0.02	0.0 219,216,0	0.07	3.13e-03	3.13e-03225,208,208			1.00	0.04	0.96
3091	0.0	0.13	0.0 0,52,0	0.06	5.06e-03	0.01225,218,52	0.19	225	0.0	0.0	0.0
	0.01	7.36e-03	0.0 219,216,0	0.06	9.30e-04	9.30e-04225,210,210			1.00	0.04	0.96
3092	0.0	0.13	0.0 0,52,0	0.07	3.92e-03	0.01225,218,52	0.20	225	0.0	0.0	0.0
	0.03	0.02	0.0 219,216,0	0.07	3.32e-03	3.32e-03225,218,216			1.00	0.04	0.96
3093	0.0	0.13	0.0 0,52,0	0.07	5.21e-03	0.01225,218,52	0.20	225	0.0	0.0	0.0
	0.02	0.02	0.0 219,216,0	0.07	1.80e-03	1.80e-03225,216,216			1.00	0.04	0.96
3094	0.0	0.12	0.0 0,52,0	0.06	5.21e-03	0.01225,218,52	0.19	225	0.0	0.0	0.0
	0.02	0.01	0.0 225,226,0	0.06	1.48e-03	1.48e-03225,218,218			1.00	0.04	0.96
3095	0.0	0.13	0.0 0,52,0	0.08	3.92e-03	0.01226,218,52	0.21	226	0.0	0.0	0.0
	0.02	0.02	0.0 219,216,0	0.08	3.78e-03	3.78e-03226,216,216			1.00	0.04	0.96

3096	0.0	0.13	0.0	0,52,0	0.07	5.66e-03	0.01226,218,52	0.20	226	0.0	0.0	0.0
	0.02	0.02	0.0	219,216,0	0.07	3.85e-03	3.85e-03226,216,216			1.00	0.04	0.96
3097	0.0	0.12	0.0	0,52,0	0.06	5.66e-03	0.01225,218,52	0.18	225	0.0	0.0	0.0
	0.02	0.01	0.0	225,226,0	0.06	3.85e-03	3.85e-03225,216,216			1.00	0.04	0.96
3098	0.0	0.13	0.0	0,52,0	0.09	3.88e-03	0.01224,214,52	0.23	224	0.0	0.0	0.0
	0.02	0.02	0.0	225,220,0	0.09	4.11e-03	4.11e-03224,216,216			1.00	0.04	0.96
3099	0.0	0.12	0.0	0,52,0	0.09	5.81e-03	0.01226,214,52	0.23	226	0.0	0.0	0.0
	0.02	0.02	0.0	225,220,0	0.09	3.85e-03	3.85e-03226,216,216			1.00	0.04	0.96
3100	0.0	0.11	0.0	0,52,0	0.08	5.81e-03	0.01226,214,217	0.21	226	0.0	0.0	0.0
	0.02	0.01	0.0	225,226,0	0.08	3.85e-03	3.85e-03226,216,216			1.00	0.04	0.96
3101	0.0	0.15	0.0	0,52,0	0.12	5.57e-03	0.02220,218,52	0.27	220	0.0	0.0	0.0
	7.05e-03	0.02	0.0	234,28,0	0.12	2.94e-03	2.94e-03220,208,208			1.00	0.04	0.96
3102	0.0	0.15	0.0	0,52,0	0.12	5.57e-03	0.02220,218,52	0.26	220	0.0	0.0	0.0
	2.53e-03	7.33e-03	0.0	210,209,0	0.12	1.01e-03	1.01e-03220,217,217			1.00	0.04	0.96
3103	0.0	0.14	0.0	0,52,0	0.12	3.64e-03	0.02220,214,52	0.27	220	0.0	0.0	0.0
	0.01	0.02	0.0	228,209,0	0.12	4.09e-03	4.09e-03220,208,208			1.00	0.04	0.96
3104	0.0	0.13	0.0	0,52,0	0.12	1.91e-03	0.01220,219,52	0.27	220	0.0	0.0	0.0
	0.01	0.02	0.0	228,209,0	0.12	4.32e-03	4.32e-03220,208,208			1.00	0.04	0.96
3105	0.0	0.12	0.0	0,52,0	0.12	1.95e-03	0.01220,214,52	0.27	220	0.0	0.0	0.0
	9.03e-03	0.02	0.0	228,209,0	0.12	4.32e-03	4.32e-03220,208,208			1.00	0.04	0.96
3106	0.03	0.12	0.0	225,52,0	0.23	5.64e-03	0.01220,216,214	0.37	220	0.87	0.06	0.94
	9.25e-03	0.03	0.0	228,205,0	0.23	3.32e-03	3.32e-03220,208,208			1.00	0.04	0.96
3107	0.03	0.12	0.0	225,52,0	0.23	5.64e-03	0.01220,216,214	0.37	220	0.87	0.06	0.94
	5.68e-03	0.01	0.0	222,221,0	0.23	2.15e-03	2.15e-03220,205,205			1.00	0.04	0.96
3108	0.03	0.11	0.0	225,52,0	0.21	3.59e-03	0.01220,213,214	0.35	220	0.87	0.06	0.94
	0.02	0.03	0.0	228,209,0	0.21	4.48e-03	4.48e-03220,208,208			1.00	0.04	0.96
3109	0.02	0.11	0.0	225,52,0	0.19	1.94e-03	0.01224,219,214	0.33	224	0.87	0.06	0.94
	0.02	0.03	0.0	228,209,0	0.19	4.48e-03	4.48e-03224,208,208			1.00	0.04	0.96
3110	0.01	0.10	0.0	225,52,0	0.17	1.89e-03	0.01224,214,214	0.32	224	0.87	0.06	0.94
	0.01	0.03	0.0	228,209,0	0.17	4.38e-03	4.38e-03224,205,205			1.00	0.04	0.96
3111	0.03	0.05	0.0	225,226,0	0.23	7.13e-03	9.87e-03220,208,214	0.37	220	0.87	0.06	0.94
	0.01	0.04	0.0	228,205,0	0.23	3.32e-03	3.32e-03220,208,208			1.00	0.04	0.96
3112	0.03	0.04	0.0	225,226,0	0.23	7.13e-03	9.39e-03220,208,214	0.37	220	0.87	0.06	0.94
	6.57e-03	0.02	0.0	228,221,0	0.23	2.15e-03	2.15e-03220,205,205			1.00	0.04	0.96
3113	0.03	0.05	0.0	225,226,0	0.21	4.35e-03	9.87e-03220,208,214	0.35	220	0.87	0.06	0.94
	0.02	0.05	0.0	228,205,0	0.21	4.48e-03	4.48e-03220,208,208			1.00	0.04	0.96
3114	0.02	0.05	0.0	225,226,0	0.19	1.94e-03	9.63e-03224,219,214	0.33	224	0.87	0.06	0.94
	0.02	0.05	0.0	208,205,0	0.19	4.97e-03	4.97e-03224,208,208			1.00	0.04	0.96
3115	0.02	0.05	0.0	205,52,0	0.17	1.77e-03	9.62e-03224,219,214	0.32	224	0.87	0.06	0.94
	0.02	0.04	0.0	208,205,0	0.17	4.97e-03	4.97e-03224,208,208			1.00	0.04	0.96
3116	0.02	0.02	0.0	51,205,0	0.15	9.22e-03	0.01220,208,205	0.29	220	0.87	0.06	0.94
	0.01	0.04	0.0	228,205,0	0.15	3.55e-03	3.55e-03220,208,208			1.00	0.04	0.96
3117	0.02	7.12e-03	0.0	51,57,0	0.15	9.22e-03	9.22e-03220,208,208	0.29	220	0.87	0.06	0.94
	7.04e-03	0.02	0.0	234,221,0	0.15	1.35e-03	1.35e-03220,232,232			1.00	0.04	0.96
3118	0.02	0.03	0.0	205,205,0	0.14	6.59e-03	0.01224,208,205	0.29	224	0.87	0.06	0.94
	0.03	0.05	0.0	206,205,0	0.14	4.19e-03	4.19e-03224,208,208			1.00	0.04	0.96
3119	0.02	0.03	0.0	205,205,0	0.14	1.79e-03	0.01224,204,208	0.29	224	0.87	0.06	0.94
	0.04	0.06	0.0	208,205,0	0.14	7.24e-03	7.24e-03224,208,208			1.00	0.04	0.96
3120	0.02	0.04	0.0	205,59,0	0.14	1.55e-03	0.01226,215,208	0.28	226	0.87	0.06	0.94
	0.04	0.06	0.0	208,205,0	0.14	7.24e-03	7.24e-03226,208,208			1.00	0.04	0.96
3121	0.03	0.09	0.0	230,221,0	0.25	0.01	0.03225,208,205	0.39	225	0.87	0.06	0.94
	9.22e-03	0.04	0.0	228,205,0	0.25	6.00e-03	6.00e-03225,208,208			1.00	0.04	0.96
3122	0.03	0.08	0.0	230,229,0	0.25	0.01	0.02225,208,205	0.39	225	0.87	0.06	0.94
	7.04e-03	0.02	0.0	234,221,0	0.25	1.73e-03	1.73e-03225,230,230			1.00	0.04	0.96
3123	0.03	0.11	0.0	234,205,0	0.22	9.92e-03	0.03225,208,205	0.36	225	0.87	0.06	0.94
	0.03	0.05	0.0	206,205,0	0.22	0.01	0.01225,208,208			1.00	0.04	0.96
3124	0.03	0.11	0.0	206,205,0	0.19	7.73e-03	0.03225,208,205	0.34	225	0.87	0.06	0.94
	0.07	0.08	0.0	208,205,0	0.19	0.01	0.01225,208,208			1.00	0.04	0.96
3125	0.02	0.11	0.0	206,205,0	0.17	4.52e-03	0.03225,205,205	0.31	225	0.87	0.06	0.94
	0.07	0.08	0.0	208,205,0	0.17	0.01	0.01225,223,223			1.00	0.04	0.96
3126	0.06	0.48	0.0	230,229,0	0.25	0.01	0.07225,208,205	0.39	225	0.87	0.06	0.94
	6.79e-03	0.03	0.0	226,52,0	0.25	6.00e-03	6.00e-03225,208,208			1.00	0.04	0.96
3127	0.04	0.43	0.0	230,52,0	0.22	0.02	0.08225,208,205	0.36	225	0.87	0.06	0.94
	0.02	0.04	0.0	228,205,0	0.22	0.01	0.01225,208,208			1.00	0.04	0.96
3128	0.03	0.41	0.0	230,52,0	0.19	0.03	0.10225,208,205	0.34	225	0.87	0.06	0.94
	0.07	0.08	0.0	208,205,0	0.19	0.04	0.04225,208,208			1.00	0.04	0.96
3129	0.02	0.39	0.0	234,52,0	0.17	0.07	0.13225,205,205	0.31	225	0.87	0.06	0.94
	0.07	0.08	0.0	208,205,0	0.17	0.04	0.04225,208,208			1.00	0.04	0.96
3130	0.0	0.11	0.0	0,52,0	0.12	3.92e-03	0.01220,214,213	0.27	220	0.0	0.0	0.0
	0.02	0.03	0.0	223,220,0	0.12	4.11e-03	4.11e-03220,216,216			1.00	0.04	0.96
3131	0.0	0.10	0.0	0,52,0	0.11	5.81e-03	0.01224,214,213	0.26	224	0.0	0.0	0.0
	0.02	0.03	0.0	223,220,0	0.11	3.34e-03	3.34e-03224,216,216			1.00	0.04	0.96
3132	0.0	0.10	0.0	0,52,0	0.09	5.81e-03	0.01226,214,213	0.23	226	0.0	0.0	0.0
	0.02	0.02	0.0	223,220,0	0.09	3.05e-03	3.05e-03226,213,213			1.00	0.04	0.96
3133	7.34e-03	0.09	0.0	225,52,0	0.16	3.92e-03	0.01224,216,214	0.31	224	0.87	0.06	0.94

	0.03	0.04	0.0 223,220,0	0.16	4.00e-03	4.00e-03224,205,205			1.00	0.04	0.96
3134	0.0	0.09	0.0 0,52,0	0.15	6.56e-03	0.01220,213,214	0.29	220	0.0	0.0	0.0
	0.03	0.04	0.0 223,220,0	0.15	3.05e-03	3.05e-03220,213,213			1.00	0.04	0.96
3135	0.0	0.08	0.0 0,52,0	0.11	6.56e-03	0.01226,213,214	0.26	226	0.0	0.0	0.0
	0.02	0.03	0.0 223,220,0	0.11	3.05e-03	3.05e-03226,213,213			1.00	0.04	0.96
3136	8.57e-03	0.05	0.0 205,52,0	0.16	4.44e-03	0.01224,208,208	0.31	224	0.87	0.06	0.94
	0.04	0.04	0.0 223,220,0	0.16	3.50e-03	3.50e-03224,205,205			1.00	0.04	0.96
3137	0.0	0.06	0.0 0,52,0	0.15	8.28e-03	0.01220,208,208	0.29	220	0.0	0.0	0.0
	0.04	0.04	0.0 223,220,0	0.15	2.15e-03	2.15e-03220,205,205			1.00	0.04	0.96
3138	0.0	0.06	0.0 0,52,0	0.11	8.28e-03	0.01226,208,208	0.26	226	0.0	0.0	0.0
	0.03	0.03	0.0 223,220,0	0.11	1.39e-03	1.39e-03226,205,205			1.00	0.04	0.96
3139	8.57e-03	0.05	0.0 205,59,0	0.13	6.38e-03	0.01226,204,208	0.28	226	0.87	0.06	0.94
	0.04	0.05	0.0 223,220,0	0.13	8.37e-03	8.37e-03226,205,205			1.00	0.04	0.96
3140	0.0	0.06	0.0 0,59,0	0.13	0.01	0.02226,208,205	0.27	226	0.0	0.0	0.0
	0.04	0.05	0.0 223,220,0	0.13	8.37e-03	8.37e-03226,205,205			1.00	0.04	0.96
3141	0.0	0.06	0.0 0,59,0	0.09	0.01	0.02226,208,205	0.24	226	0.0	0.0	0.0
	0.04	0.04	0.0 223,220,0	0.09	3.69e-03	3.69e-03226,209,209			1.00	0.04	0.96
3142	0.02	0.11	0.0 210,52,0	0.15	0.01	0.03225,208,205	0.29	225	0.87	0.06	0.94
	0.06	0.06	0.0 221,228,0	0.15	0.02	0.02225,208,208			1.00	0.04	0.96
3143	7.75e-03	0.11	0.0 210,52,0	0.14	0.01	0.03223,208,205	0.28	223	0.87	0.06	0.94
	0.06	0.06	0.0 221,220,0	0.14	0.02	0.02223,208,208			1.00	0.04	0.96
3144	0.0	0.10	0.0 0,52,0	0.08	0.01	0.02223,208,205	0.22	223	0.0	0.0	0.0
	0.06	0.06	0.0 223,220,0	0.08	4.45e-03	4.45e-03223,211,211			1.00	0.04	0.96
3145	0.02	0.30	0.0 210,52,0	0.15	0.07	0.13225,205,205	0.29	225	0.87	0.06	0.94
	0.06	0.07	0.0 221,228,0	0.15	0.03	0.03225,205,205			1.00	0.04	0.96
3146	7.75e-03	0.25	0.0 210,52,0	0.14	0.01	0.04223,223,52	0.28	223	0.87	0.06	0.94
	0.06	0.07	0.0 221,220,0	0.14	0.03	0.03223,205,205			1.00	0.04	0.96
3147	0.0	0.18	0.0 0,52,0	0.08	0.01	0.03223,207,52	0.22	223	0.0	0.0	0.0
	0.06	0.07	0.0 223,220,0	0.08	7.00e-03	7.00e-03 223,52,52			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.07	0.48	0.0	0.25	0.07	0.13	0.39				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
89	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.85	-208.8	194	0.66	-163.2	194	0.30	-4.856e+04	6.121e+06	227

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
520	0.04	0.07	0.0 227,224,0		0.19	1.98e-03	8.87e-03226,210,222		0.34	226	0.87	0.06	0.94
	0.03	0.03	0.0 233,234,0		0.19	2.42e-03	2.42e-03226,218,218				1.00	0.04	0.96
1217	0.0	0.16	0.0 0,52,0		0.21	6.92e-03	0.02225,210,52		0.35	225	0.0	0.0	0.0
	0.03	0.03	0.0 210,209,0		0.21	9.29e-03	9.29e-03225,210,210				1.00	0.04	0.96
1457	0.0	0.16	0.0 0,52,0		0.10	6.92e-03	0.02225,210,52		0.24	225	0.0	0.0	0.0
	0.03	0.03	0.0 210,209,0		0.10	9.29e-03	9.29e-03225,210,210				1.00	0.04	0.96
1460	0.0	0.11	0.0 0,52,0		0.10	3.91e-03	0.01225,209,52		0.24	225	0.0	0.0	0.0
	2.40e-03	0.01	0.0 218,217,0		0.10	2.63e-03	2.63e-03225,209,209				1.00	0.04	0.96
1463	0.0	0.11	0.0 0,52,0		0.09	4.10e-03	0.01225,209,52		0.23	225	0.0	0.0	0.0
	0.0	0.01	0.0 0,52,0		0.09	1.00e-03	1.00e-03225,209,209				0.0	0.0	0.0
1466	0.0	0.13	0.0 0,52,0		0.09	4.18e-03	0.01225,204,52		0.23	225	0.0	0.0	0.0
	0.0	0.01	0.0 0,52,0		0.09	9.99e-04	9.99e-04225,204,204				0.0	0.0	0.0
1469	0.0	0.15	0.0 0,52,0		0.08	4.18e-03	0.02226,204,52		0.22	226	0.0	0.0	0.0
	0.0	0.01	0.0 0,52,0		0.08	9.99e-04	9.99e-04226,204,204				0.0	0.0	0.0
1472	0.0	0.24	0.0 0,52,0		0.08	3.99e-03	0.03226,204,52		0.21	226	0.0	0.0	0.0
	1.90e-03	0.01	0.0 225,52,0		0.08	3.08e-03	3.08e-03226,209,209				1.00	0.04	0.96
1475	0.02	0.24	0.0 226,52,0		0.27	3.07e-03	0.03 52,220,52		0.40	52	0.87	0.06	0.94
	0.01	0.02	0.0 229,230,0		0.27	7.02e-03	7.02e-0352,209,209				1.00	0.04	0.96
1992	0.04	0.07	0.0 227,224,0		0.19	1.98e-03	8.87e-03226,210,222		0.34	226	0.87	0.06	0.94
	0.03	0.03	0.0 233,234,0		0.19	7.22e-03	7.22e-03226,234,234				1.00	0.04	0.96
1993	0.03	0.06	0.0 223,220,0		0.16	4.25e-03	0.01226,204,204		0.30	226	0.87	0.06	0.94
	0.03	0.03	0.0 233,234,0		0.16	9.21e-03	9.21e-03226,204,204				1.00	0.04	0.96
1994	0.02	0.05	0.0 223,220,0		0.13	0.02	0.03226,204,204		0.27	226	0.87	0.06	0.94
	0.02	0.02	0.0 233,234,0		0.13	0.01	0.01226,208,208				1.00	0.04	0.96
1995	0.02	0.05	0.0 207,204,0		0.10	0.02	0.03226,204,204		0.25	226	0.87	0.06	0.94
	0.02	0.02	0.0 233,233,0		0.10	0.01	0.01226,232,232				1.00	0.04	0.96
2026	0.01	0.05	0.0 210,204,0		0.10	0.02	0.03226,210,210		0.25	226	0.87	0.06	0.94
	0.12	0.07	0.0 226,225,0		0.10	0.01	0.01226,232,232				1.00	0.04	0.96

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2712 DI 2790

2027	0.02	0.04	0.0 210,209,0	0.10	0.03	0.03226,210,210	0.25	226	0.87	0.06	0.94
	0.12	0.07	0.0 226,225,0	0.10	0.02	0.02226,210,210			1.00	0.04	0.96
2028	0.02	0.04	0.0 210,209,0	0.02	0.03	0.03226,210,210	0.10	226	0.87	0.06	0.94
	0.12	0.07	0.0 226,225,0	0.02	0.02	0.02226,210,210			1.00	0.04	0.96
3148	0.04	0.07	0.0 227,224,0	0.19	4.77e-03	8.87e-03226,210,222	0.34	226	0.87	0.06	0.94
	0.03	0.03	0.0 233,234,0	0.19	7.22e-03	7.22e-03226,234,234			1.00	0.04	0.96
3149	0.04	0.07	0.0 227,224,0	0.19	4.77e-03	8.87e-03226,210,222	0.34	226	0.87	0.06	0.94
	0.03	0.03	0.0 233,234,0	0.19	3.98e-03	3.98e-03226,218,218			1.00	0.04	0.96
3150	0.03	0.06	0.0 223,220,0	0.16	4.41e-03	0.01226,204,204	0.30	226	0.87	0.06	0.94
	0.03	0.03	0.0 233,234,0	0.16	9.21e-03	9.21e-03226,204,204			1.00	0.04	0.96
3151	0.02	0.05	0.0 223,220,0	0.14	0.02	0.03226,204,204	0.28	226	0.87	0.06	0.94
	0.02	0.02	0.0 233,234,0	0.14	0.01	0.01226,208,208			1.00	0.04	0.96
3152	0.02	0.05	0.0 210,204,0	0.14	0.02	0.03226,204,204	0.29	226	0.87	0.06	0.94
	0.02	0.02	0.0 233,233,0	0.14	0.01	0.01226,232,232			1.00	0.04	0.96
3153	0.03	6.91e-03	0.0 51,229,0	0.14	4.96e-03	4.96e-03226,209,209	0.29	226	0.87	0.06	0.94
	0.02	0.02	0.0 229,230,0	0.14	5.40e-03	5.40e-03226,209,209			1.00	0.04	0.96
3154	0.03	4.77e-03	0.0 51,225,0	0.13	4.96e-03	4.96e-03226,209,209	0.28	226	0.87	0.06	0.94
	0.02	0.02	0.0 229,230,0	0.13	3.98e-03	3.98e-03226,218,218			1.00	0.04	0.96
3155	0.02	0.01	0.0 51,229,0	0.14	4.41e-03	7.98e-03226,204,209	0.29	226	0.87	0.06	0.94
	0.02	0.02	0.0 229,230,0	0.14	5.40e-03	5.40e-03226,209,209			1.00	0.04	0.96
3156	0.02	0.02	0.0 210,209,0	0.14	4.41e-03	7.98e-03226,204,209	0.28	226	0.87	0.06	0.94
	0.02	0.02	0.0 233,234,0	0.14	5.26e-03	5.26e-03226,217,217			1.00	0.04	0.96
3157	0.02	0.03	0.0 210,209,0	0.14	2.22e-03	8.78e-03226,210,209	0.29	226	0.87	0.06	0.94
	0.01	0.01	0.0 220,220,0	0.14	5.98e-03	5.98e-03226,205,205			1.00	0.04	0.96
3158	0.03	9.43e-03	0.0 51,57,0	0.14	5.06e-03	7.89e-03225,209,209	0.29	225	0.87	0.06	0.94
	0.01	0.01	0.0 223,230,0	0.14	5.40e-03	5.40e-03225,209,209			1.00	0.04	0.96
3159	0.03	5.94e-03	0.0 51,57,0	0.14	5.06e-03	5.06e-03225,209,209	0.29	225	0.87	0.06	0.94
	9.36e-03	0.01	0.0 221,222,0	0.14	3.64e-03	3.64e-03225,209,209			1.00	0.04	0.96
3160	0.02	0.02	0.0 51,209,0	0.14	4.34e-03	7.89e-03225,209,209	0.29	225	0.87	0.06	0.94
	0.01	0.01	0.0 223,230,0	0.14	5.40e-03	5.40e-03225,209,209			1.00	0.04	0.96
3161	0.02	0.02	0.0 209,209,0	0.14	2.14e-03	7.42e-03225,204,209	0.28	225	0.87	0.06	0.94
	6.99e-03	9.97e-03	0.0 229,230,0	0.14	4.72e-03	4.72e-03225,217,217			1.00	0.04	0.96
3162	0.01	0.03	0.0 210,59,0	0.13	2.33e-03	8.37e-03225,210,209	0.28	225	0.87	0.06	0.94
	0.01	9.09e-03	0.0 220,204,0	0.13	2.81e-03	2.81e-03225,218,218			1.00	0.04	0.96
3163	9.68e-03	0.06	0.0 210,52,0	0.21	6.84e-03	0.01225,209,209	0.35	225	0.87	0.06	0.94
	0.02	0.02	0.0 225,226,0	0.21	4.84e-03	4.84e-03225,209,209			1.00	0.04	0.96
3164	8.17e-03	0.05	0.0 55,52,0	0.21	6.84e-03	0.01225,209,209	0.35	225	0.87	0.06	0.94
	5.65e-03	0.01	0.0 223,209,0	0.21	3.64e-03	3.64e-03225,209,209			1.00	0.04	0.96
3165	0.01	0.07	0.0 210,52,0	0.19	4.34e-03	0.01225,209,209	0.34	225	0.87	0.06	0.94
	0.02	0.02	0.0 225,226,0	0.19	4.84e-03	4.84e-03225,209,209			1.00	0.04	0.96
3166	0.01	0.07	0.0 210,52,0	0.17	2.01e-03	0.01225,210,209	0.32	225	0.87	0.06	0.94
	0.01	8.81e-03	0.0 219,220,0	0.17	2.87e-03	2.87e-03225,218,218			1.00	0.04	0.96
3167	8.13e-03	0.07	0.0 210,52,0	0.16	2.33e-03	0.01225,210,209	0.31	225	0.87	0.06	0.94
	0.02	8.54e-03	0.0 224,209,0	0.16	1.62e-03	1.62e-03225,204,204			1.00	0.04	0.96
3168	0.0	0.16	0.0 0,52,0	0.21	6.92e-03	0.02225,210,52	0.35	225	0.0	0.0	0.0
	0.03	0.03	0.0 210,209,0	0.21	9.29e-03	9.29e-03225,210,210			1.00	0.04	0.96
3169	0.0	0.14	0.0 0,52,0	0.19	3.63e-03	0.02225,209,52	0.34	225	0.0	0.0	0.0
	0.02	0.02	0.0 225,226,0	0.19	3.33e-03	3.33e-03225,217,217			1.00	0.04	0.96
3170	0.0	0.13	0.0 0,52,0	0.17	1.45e-03	0.01225,210,52	0.32	225	0.0	0.0	0.0
	0.01	8.59e-03	0.0 213,216,0	0.17	1.10e-03	1.10e-03225,204,204			1.00	0.04	0.96
3171	0.0	0.12	0.0 0,52,0	0.16	2.20e-03	0.01225,210,52	0.31	225	0.0	0.0	0.0
	0.02	7.55e-03	0.0 226,225,0	0.16	1.62e-03	1.62e-03225,204,204			1.00	0.04	0.96
3172	0.02	0.05	0.0 210,204,0	0.17	0.02	0.03226,210,210	0.31	226	0.87	0.06	0.94
	0.12	0.07	0.0 226,225,0	0.17	0.01	0.01226,232,232			1.00	0.04	0.96
3173	0.02	0.04	0.0 210,209,0	0.17	0.03	0.03226,210,210	0.31	226	0.87	0.06	0.94
	0.12	0.07	0.0 226,225,0	0.17	0.02	0.02226,210,210			1.00	0.04	0.96
3174	0.02	0.04	0.0 210,209,0	0.09	0.03	0.03226,210,210	0.23	226	0.87	0.06	0.94
	0.12	0.07	0.0 226,225,0	0.09	0.02	0.02226,210,210			1.00	0.04	0.96
3175	0.02	0.03	0.0 210,229,0	0.17	6.45e-03	0.01226,204,209	0.31	226	0.87	0.06	0.94
	0.11	0.05	0.0 222,221,0	0.17	5.98e-03	5.98e-03226,205,205			1.00	0.04	0.96
3176	0.02	0.03	0.0 230,59,0	0.17	8.04e-03	0.01226,210,209	0.31	226	0.87	0.06	0.94
	0.11	0.05	0.0 222,221,0	0.17	7.18e-03	7.18e-03226,210,210			1.00	0.04	0.96
3177	0.01	0.03	0.0 230,59,0	0.09	8.04e-03	0.01226,210,209	0.23	226	0.87	0.06	0.94
	0.11	0.05	0.0 222,221,0	0.09	7.18e-03	7.18e-03226,210,210			1.00	0.04	0.96
3178	8.41e-03	0.04	0.0 209,59,0	0.13	4.93e-03	9.67e-03225,209,209	0.28	225	0.87	0.06	0.94
	0.09	0.04	0.0 222,221,0	0.13	1.90e-03	1.90e-03225,211,211			1.00	0.04	0.96
3179	0.0	0.04	0.0 0,52,0	0.12	6.03e-03	9.67e-03225,209,209	0.27	225	0.0	0.0	0.0
	0.09	0.04	0.0 222,221,0	0.12	3.17e-03	3.17e-03225,210,210			1.00	0.04	0.96
3180	0.0	0.04	0.0 0,52,0	0.09	6.03e-03	9.12e-03225,209,209	0.23	225	0.0	0.0	0.0
	0.08	0.04	0.0 226,225,0	0.09	3.17e-03	3.17e-03225,210,210			1.00	0.04	0.96
3181	2.76e-03	0.07	0.0 210,52,0	0.15	3.98e-03	0.01225,210,209	0.30	225	0.87	0.06	0.94
	0.07	0.04	0.0 226,225,0	0.15	1.90e-03	1.90e-03225,211,211			1.00	0.04	0.96
3182	0.0	0.07	0.0 0,52,0	0.14	5.61e-03	0.01225,209,209	0.28	225	0.0	0.0	0.0
	0.07	0.04	0.0 226,225,0	0.14	1.90e-03	1.90e-03225,211,211			1.00	0.04	0.96
3183	0.0	0.07	0.0 0,52,0	0.10	5.61e-03	0.01225,209,209	0.25	225	0.0	0.0	0.0

	0.06	0.03	0.0 226,225,0	0.10	1.33e-03	1.33e-03225,207,207			1.00	0.04	0.96
3184	0.0	0.11	0.0 0,52,0	0.15	3.72e-03	0.01225,209,209	0.30	225	0.0	0.0	0.0
	0.06	0.03	0.0 226,225,0	0.15	1.64e-03	1.64e-03225,204,204			1.00	0.04	0.96
3185	0.0	0.10	0.0 0,52,0	0.14	5.52e-03	0.01225,209,209	0.28	225	0.0	0.0	0.0
	0.06	0.03	0.0 226,225,0	0.14	1.64e-03	1.64e-03225,204,204			1.00	0.04	0.96
3186	0.0	0.09	0.0 0,52,0	0.10	5.52e-03	0.01225,209,209	0.25	225	0.0	0.0	0.0
	0.05	0.02	0.0 226,225,0	0.10	1.33e-03	1.33e-03225,207,207			1.00	0.04	0.96
3187	0.0	0.16	0.0 0,52,0	0.10	6.92e-03	0.02225,210,52	0.24	225	0.0	0.0	0.0
	0.03	0.03	0.0 210,209,0	0.10	9.29e-03	9.29e-03225,210,210			1.00	0.04	0.96
3188	0.0	0.14	0.0 0,52,0	0.11	3.73e-03	0.02225,209,52	0.25	225	0.0	0.0	0.0
	0.02	0.01	0.0 225,226,0	0.11	3.08e-03	3.08e-03225,209,209			1.00	0.04	0.96
3189	0.0	0.13	0.0 0,52,0	0.11	1.98e-03	0.01225,210,52	0.26	225	0.0	0.0	0.0
	0.01	7.46e-03	0.0 213,214,0	0.11	1.73e-03	1.73e-03225,204,204			1.00	0.04	0.96
3190	0.0	0.12	0.0 0,52,0	0.11	1.93e-03	0.01225,209,52	0.26	225	0.0	0.0	0.0
	0.02	7.55e-03	0.0 226,225,0	0.11	1.62e-03	1.62e-03225,204,204			1.00	0.04	0.96
3191	0.0	0.11	0.0 0,52,0	0.10	3.91e-03	0.01225,209,52	0.24	225	0.0	0.0	0.0
	0.01	0.01	0.0 225,217,0	0.10	3.08e-03	3.08e-03225,209,209			1.00	0.04	0.96
3192	0.0	0.11	0.0 0,52,0	0.10	3.73e-03	0.01225,209,209	0.24	225	0.0	0.0	0.0
	0.01	9.71e-03	0.0 225,226,0	0.10	3.08e-03	3.08e-03225,209,209			1.00	0.04	0.96
3193	0.0	0.10	0.0 0,52,0	0.10	2.00e-03	0.01225,209,209	0.24	225	0.0	0.0	0.0
	0.01	6.62e-03	0.0 207,214,0	0.10	2.67e-03	2.67e-03225,209,209			1.00	0.04	0.96
3194	0.0	0.10	0.0 0,52,0	0.10	1.79e-03	0.01225,209,52	0.24	225	0.0	0.0	0.0
	0.02	8.16e-03	0.0 220,223,0	0.10	2.43e-03	2.43e-03225,209,209			1.00	0.04	0.96
3195	0.0	0.11	0.0 0,52,0	0.09	4.10e-03	0.01225,209,52	0.23	225	0.0	0.0	0.0
	0.01	0.01	0.0 223,52,0	0.09	2.45e-03	2.45e-03225,209,209			1.00	0.04	0.96
3196	0.0	0.11	0.0 0,52,0	0.09	3.23e-03	0.01225,209,52	0.23	225	0.0	0.0	0.0
	0.01	8.46e-03	0.0 207,204,0	0.09	3.07e-03	3.07e-03225,209,209			1.00	0.04	0.96
3197	0.0	0.11	0.0 0,52,0	0.09	2.00e-03	0.01225,209,52	0.23	225	0.0	0.0	0.0
	0.02	9.38e-03	0.0 207,204,0	0.09	3.07e-03	3.07e-03225,209,209			1.00	0.04	0.96
3198	0.0	0.11	0.0 0,52,0	0.09	1.70e-03	0.01225,209,52	0.23	225	0.0	0.0	0.0
	0.02	9.42e-03	0.0 220,223,0	0.09	3.03e-03	3.03e-03225,209,209			1.00	0.04	0.96
3199	0.0	0.13	0.0 0,52,0	0.09	4.18e-03	0.01225,204,52	0.23	225	0.0	0.0	0.0
	0.02	0.01	0.0 207,52,0	0.09	2.73e-03	2.73e-03225,209,209			1.00	0.04	0.96
3200	0.0	0.12	0.0 0,52,0	0.09	2.97e-03	0.01226,204,52	0.22	226	0.0	0.0	0.0
	0.02	0.01	0.0 207,204,0	0.09	3.76e-03	3.76e-03226,209,209			1.00	0.04	0.96
3201	0.0	0.12	0.0 0,52,0	0.09	1.68e-03	0.01226,206,52	0.22	226	0.0	0.0	0.0
	0.03	0.02	0.0 207,204,0	0.09	3.76e-03	3.76e-03226,209,209			1.00	0.04	0.96
3202	0.0	0.12	0.0 0,52,0	0.08	1.57e-03	0.01226,209,52	0.22	226	0.0	0.0	0.0
	0.03	0.02	0.0 207,204,0	0.08	3.06e-03	3.06e-03226,209,209			1.00	0.04	0.96
3203	0.0	0.15	0.0 0,52,0	0.08	4.18e-03	0.02226,204,52	0.22	226	0.0	0.0	0.0
	0.03	0.02	0.0 207,204,0	0.08	4.03e-03	4.03e-03226,204,204			1.00	0.04	0.96
3204	0.0	0.15	0.0 0,52,0	0.08	2.97e-03	0.02226,204,52	0.22	226	0.0	0.0	0.0
	0.04	0.02	0.0 207,204,0	0.08	5.13e-03	5.13e-03226,209,209			1.00	0.04	0.96
3205	0.0	0.14	0.0 0,52,0	0.08	1.27e-03	0.02226,211,52	0.22	226	0.0	0.0	0.0
	0.04	0.02	0.0 207,204,0	0.08	5.13e-03	5.13e-03226,209,209			1.00	0.04	0.96
3206	0.0	0.14	0.0 0,52,0	0.08	1.54e-03	0.01226,204,52	0.22	226	0.0	0.0	0.0
	0.03	0.02	0.0 209,204,0	0.08	3.06e-03	3.06e-03226,209,209			1.00	0.04	0.96
3207	0.0	0.24	0.0 0,52,0	0.08	3.99e-03	0.03226,204,52	0.21	226	0.0	0.0	0.0
	0.04	0.03	0.0 209,204,0	0.08	6.48e-03	6.48e-03226,209,209			1.00	0.04	0.96
3208	0.0	0.22	0.0 0,52,0	0.08	2.68e-03	0.03226,207,52	0.21	226	0.0	0.0	0.0
	0.05	0.03	0.0 209,204,0	0.08	6.48e-03	6.48e-03226,209,209			1.00	0.04	0.96
3209	0.0	0.19	0.0 0,52,0	0.08	1.03e-03	0.02226,209,52	0.21	226	0.0	0.0	0.0
	0.05	0.03	0.0 209,204,0	0.08	5.30e-03	5.30e-03226,204,204			1.00	0.04	0.96
3210	0.0	0.17	0.0 0,52,0	0.07	1.52e-03	0.02226,204,52	0.21	226	0.0	0.0	0.0
	0.04	0.02	0.0 207,204,0	0.07	4.67e-03	4.67e-03226,209,209			1.00	0.04	0.96
3211	0.02	0.24	0.0 226,52,0	0.27	3.07e-03	0.03 52,220,52	0.40	52	0.87	0.06	0.94
	0.05	0.04	0.0 209,204,0	0.27	7.02e-03	7.02e-0352,209,209			1.00	0.04	0.96
3212	0.01	0.22	0.0 226,52,0	0.20	1.73e-03	0.03 52,209,52	0.35	52	0.87	0.06	0.94
	0.06	0.04	0.0 209,204,0	0.20	6.48e-03	6.48e-0352,209,209			1.00	0.04	0.96
3213	6.56e-03	0.19	0.0 226,52,0	0.16	3.12e-03	0.02 52,209,52	0.30	52	0.87	0.06	0.94
	0.06	0.04	0.0 209,204,0	0.16	5.30e-03	5.30e-0352,204,204			1.00	0.04	0.96
3214	7.80e-04	0.17	0.0 226,52,0	0.13	3.12e-03	0.02 52,209,52	0.27	52	0.87	0.06	0.94
	0.04	0.02	0.0 207,204,0	0.13	6.28e-03	6.28e-0352,209,209			1.00	0.04	0.96
3215	0.0	0.11	0.0 0,52,0	0.11	3.53e-03	0.01225,209,209	0.26	225	0.0	0.0	0.0
	0.05	0.02	0.0 226,225,0	0.11	1.64e-03	1.64e-03225,204,204			1.00	0.04	0.96
3216	0.0	0.10	0.0 0,52,0	0.11	5.52e-03	0.01225,209,209	0.25	225	0.0	0.0	0.0
	0.05	0.02	0.0 226,225,0	0.11	3.10e-03	3.10e-03225,204,204			1.00	0.04	0.96
3217	0.0	0.09	0.0 0,52,0	0.09	5.52e-03	0.01225,209,209	0.23	225	0.0	0.0	0.0
	0.04	0.02	0.0 226,225,0	0.09	3.10e-03	3.10e-03225,204,204			1.00	0.04	0.96
3218	0.0	0.10	0.0 0,52,0	0.10	3.46e-03	0.01225,209,209	0.24	225	0.0	0.0	0.0
	0.05	0.02	0.0 226,225,0	0.10	2.10e-03	2.10e-03225,204,204			1.00	0.04	0.96
3219	0.0	0.10	0.0 0,52,0	0.09	5.15e-03	0.01225,209,209	0.23	225	0.0	0.0	0.0
	0.05	0.02	0.0 226,225,0	0.09	3.10e-03	3.10e-03225,204,204			1.00	0.04	0.96
3220	0.0	0.09	0.0 0,52,0	0.08	5.15e-03	0.01225,209,209	0.21	225	0.0	0.0	0.0
	0.03	0.01	0.0 226,225,0	0.08	3.10e-03	3.10e-03225,204,204			1.00	0.04	0.96

3221	0.0	0.11	0.0	0,52,0	0.08	3.45e-03	0.01225,209,52	0.22	225	0.0	0.0	0.0
	0.04	0.02	0.0	226,223,0	0.08	2.35e-03	2.35e-03225,209,209			1.00	0.04	0.96
3222	0.0	0.10	0.0	0,52,0	0.07	4.57e-03	0.01225,209,52	0.21	225	0.0	0.0	0.0
	0.04	0.02	0.0	226,223,0	0.07	1.48e-03	1.48e-03225,206,206			1.00	0.04	0.96
3223	0.0	0.10	0.0	0,52,0	0.06	4.57e-03	0.01226,209,52	0.19	226	0.0	0.0	0.0
	0.03	0.01	0.0	220,223,0	0.06	1.48e-03	1.48e-03226,206,206			1.00	0.04	0.96
3224	0.0	0.12	0.0	0,52,0	0.08	2.98e-03	0.01226,205,52	0.22	226	0.0	0.0	0.0
	0.04	0.01	0.0	220,223,0	0.08	2.35e-03	2.35e-03226,209,209			1.00	0.04	0.96
3225	0.0	0.11	0.0	0,52,0	0.07	4.46e-03	0.01226,206,52	0.21	226	0.0	0.0	0.0
	0.04	0.01	0.0	220,223,0	0.07	1.48e-03	1.48e-03226,206,206			1.00	0.04	0.96
3226	0.0	0.11	0.0	0,52,0	0.06	4.46e-03	0.01226,206,52	0.19	226	0.0	0.0	0.0
	0.03	9.10e-03	0.0	220,223,0	0.06	1.48e-03	1.48e-03226,206,206			1.00	0.04	0.96
3227	0.0	0.13	0.0	0,52,0	0.08	2.41e-03	0.01226,211,52	0.21	226	0.0	0.0	0.0
	0.03	0.01	0.0	220,209,0	0.08	2.61e-03	2.61e-03226,204,204			1.00	0.04	0.96
3228	0.0	0.13	0.0	0,52,0	0.07	4.01e-03	0.01226,206,52	0.20	226	0.0	0.0	0.0
	0.03	0.01	0.0	220,223,0	0.07	2.61e-03	2.61e-03226,204,204			1.00	0.04	0.96
3229	0.0	0.12	0.0	0,52,0	0.06	4.01e-03	0.01226,206,52	0.19	226	0.0	0.0	0.0
	0.02	5.38e-03	0.0	220,223,0	0.06	1.63e-04	1.63e-04226,229,229			1.00	0.04	0.96
3230	0.0	0.16	0.0	0,52,0	0.07	1.80e-03	0.02226,206,52	0.20	226	0.0	0.0	0.0
	0.03	0.01	0.0	204,204,0	0.07	6.01e-03	6.01e-03226,209,209			1.00	0.04	0.96
3231	0.0	0.14	0.0	0,52,0	0.06	2.72e-03	0.02226,206,52	0.19	226	0.0	0.0	0.0
	0.02	7.98e-03	0.0	220,223,0	0.06	6.01e-03	6.01e-03226,209,209			1.00	0.04	0.96
3232	0.0	0.12	0.0	0,52,0	0.06	2.72e-03	0.01226,206,52	0.18	226	0.0	0.0	0.0
	0.02	2.45e-03	0.0	220,223,0	0.06	2.05e-03	2.05e-03226,204,204			1.00	0.04	0.96
3233	0.0	0.16	0.0	0,52,0	0.10	2.57e-03	0.0252,209,52	0.25	52	0.0	0.0	0.0
	0.02	0.01	0.0	210,209,0	0.10	7.59e-03	7.59e-0352,209,209			1.00	0.04	0.96
3234	0.0	0.14	0.0	0,52,0	0.08	2.00e-03	0.0252,211,52	0.22	52	0.0	0.0	0.0
	0.02	0.01	0.0	210,209,0	0.08	7.59e-03	7.59e-0352,209,209			1.00	0.04	0.96
3235	0.0	0.12	0.0	0,52,0	0.06	2.00e-03	0.0152,211,52	0.19	52	0.0	0.0	0.0
	0.02	6.57e-03	0.0	204,209,0	0.06	3.67e-03	3.67e-0352,204,204			1.00	0.04	0.96
3236	0.02	0.10	0.0	226,225,0	0.27	0.02	0.0252,209,209	0.40	52	0.87	0.06	0.94
	0.05	0.04	0.0	209,204,0	0.27	0.01	0.0152,209,209			1.00	0.04	0.96
3237	0.02	0.10	0.0	226,225,0	0.27	0.02	0.0252,209,209	0.40	52	0.87	0.06	0.94
	0.01	0.02	0.0	229,230,0	0.27	7.02e-03	7.02e-0352,209,209			1.00	0.04	0.96
3238	0.02	0.10	0.0	204,52,0	0.20	4.18e-03	0.0152,209,209	0.35	52	0.87	0.06	0.94
	0.06	0.04	0.0	209,204,0	0.20	0.01	0.0152,209,209			1.00	0.04	0.96
3239	0.02	0.10	0.0	204,52,0	0.16	0.01	0.0252,209,209	0.30	52	0.87	0.06	0.94
	0.06	0.04	0.0	209,204,0	0.16	0.01	0.0152,209,209			1.00	0.04	0.96
3240	6.92e-03	0.10	0.0	220,52,0	0.13	0.01	0.0252,209,209	0.27	52	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	0.13	0.01	0.0152,209,209			1.00	0.04	0.96
3241	0.06	0.03	0.0	209,204,0	0.09	0.03	0.0352,204,204	0.24	52	0.87	0.06	0.94
	0.05	0.04	0.0	209,209,0	0.09	0.06	0.0652,209,209			1.00	0.04	0.96
3242	0.03	0.01	0.0	204,57,0	0.09	0.03	0.0352,209,209	0.24	52	0.87	0.06	0.94
	0.01	0.01	0.0	221,210,0	0.09	4.30e-03	4.30e-0352,209,209			1.00	0.04	0.96
3243	0.06	0.03	0.0	209,204,0	0.09	0.03	0.0552,209,210	0.23	52	0.87	0.06	0.94
	0.06	0.04	0.0	209,204,0	0.09	0.06	0.0652,209,209			1.00	0.04	0.96
3244	0.06	0.03	0.0	209,210,0	0.08	0.03	0.0552,209,210	0.22	52	0.87	0.06	0.94
	0.06	0.04	0.0	209,204,0	0.08	0.06	0.0652,209,209			1.00	0.04	0.96
3245	0.02	0.03	0.0	209,59,0	0.08	0.02	0.0252,209,210	0.21	52	0.87	0.06	0.94
	0.02	0.02	0.0	209,204,0	0.08	0.01	0.0152,209,209			1.00	0.04	0.96
3246	0.06	0.03	0.0	209,204,0	0.03	0.03	0.0352,204,204	0.14	52	0.87	0.06	0.94
	0.05	0.04	0.0	209,209,0	0.03	0.06	0.0652,209,209			1.00	0.04	0.96
3247	0.03	6.87e-03	0.0	204,207,0	0.03	0.03	0.0352,209,209	0.13	52	0.87	0.06	0.94
	0.01	9.31e-03	0.0	221,222,0	0.03	4.30e-03	4.30e-0352,209,209			1.00	0.04	0.96
3248	0.06	0.03	0.0	209,204,0	0.03	0.03	0.0552,209,210	0.14	52	0.87	0.06	0.94
	0.06	0.04	0.0	209,204,0	0.03	0.06	0.0652,209,209			1.00	0.04	0.96
3249	0.06	0.03	0.0	209,210,0	0.03	0.03	0.0552,209,210	0.14	52	0.87	0.06	0.94
	0.06	0.04	0.0	209,204,0	0.03	0.06	0.0652,209,209			1.00	0.04	0.96
3250	0.02	0.01	0.0	209,210,0	0.03	0.02	0.0252,209,210	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	209,204,0	0.03	7.78e-03	7.78e-0352,204,204			1.00	0.04	0.96
3251	0.0	0.10	0.0	0,52,0	0.10	0.01	0.0152,204,209	0.25	52	0.0	0.0	0.0
	0.03	0.02	0.0	204,209,0	0.10	7.59e-03	7.59e-0352,209,209			1.00	0.04	0.96
3252	0.0	0.09	0.0	0,52,0	0.08	7.33e-03	0.0152,204,207	0.22	52	0.0	0.0	0.0
	0.03	0.02	0.0	204,209,0	0.08	7.59e-03	7.59e-0352,209,209			1.00	0.04	0.96
3253	0.0	0.09	0.0	0,52,0	0.06	7.33e-03	0.0152,204,207	0.19	52	0.0	0.0	0.0
	0.03	0.02	0.0	204,209,0	0.06	5.04e-03	5.04e-0352,209,209			1.00	0.04	0.96
3254	0.03	0.04	0.0	209,59,0	0.07	0.02	0.0352,204,204	0.20	52	0.87	0.06	0.94
	0.03	0.02	0.0	204,209,0	0.07	0.04	0.0452,204,204			1.00	0.04	0.96
3255	0.03	0.04	0.0	209,52,0	0.06	0.03	0.0452,204,204	0.19	52	0.87	0.06	0.94
	0.03	0.02	0.0	204,209,0	0.06	0.04	0.0452,204,204			1.00	0.04	0.96
3256	0.02	0.04	0.0	209,52,0	0.05	0.03	0.0452,204,204	0.17	52	0.87	0.06	0.94
	0.03	0.02	0.0	204,209,0	0.05	0.02	0.0252,204,204			1.00	0.04	0.96
3257	0.03	0.03	0.0	209,210,0	0.03	0.02	0.0352,204,204	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	204,204,0	0.03	0.04	0.0452,204,204			1.00	0.04	0.96
3258	0.03	0.03	0.0	209,210,0	0.03	0.03	0.0452,204,204	0.12	52	0.87	0.06	0.94

	0.02	0.02	0.0	204,204,0	0.03	0.04	0.0452,204,204		1.00	0.04	0.96
3259	0.02	0.03	0.0	209,210,0	0.02	0.03	0.0452,204,204	0.11	0.87	0.06	0.94
	0.01	9.26e-03	0.0	230,229,0	0.02	0.02	0.0252,204,204		1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.12	0.24	0.0	0.27	0.06	0.06	0.40

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
90	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.92	-227.5	200	0.74	-181.9	200	0.83	-5864.3	-4.247e+06	232

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
112	0.12	0.13	0.0	229,230,0	0.26	3.87e-03	0.02232,232,230		0.39	232	0.87	0.06	0.94
	0.05	0.04	0.0	229,230,0	0.26	2.44e-03	2.44e-03232,235,235				1.00	0.04	0.96
689	0.04	0.15	0.0	232,235,0	0.07	3.84e-03	0.0252,209,229		0.20	52	0.87	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.07	7.97e-03	7.97e-0352,210,210				1.00	0.04	0.96
980	0.04	0.15	0.0	232,235,0	0.10	4.73e-03	0.02232,210,229		0.25	232	0.87	0.06	0.94
	0.03	0.03	0.0	229,230,0	0.10	3.72e-03	3.72e-03232,221,221				1.00	0.04	0.96
983	0.03	0.10	0.0	232,235,0	0.12	4.73e-03	0.01232,210,207		0.27	232	0.87	0.06	0.94
	0.03	0.03	0.0	229,230,0	0.12	1.08e-03	1.08e-03232,209,209				1.00	0.04	0.96
986	1.55e-03	0.08	0.0	232,52,0	0.13	4.53e-03	0.01235,210,207		0.28	235	0.87	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.13	1.08e-03	1.08e-03235,209,209				1.00	0.04	0.96
989	0.0	0.07	0.0	0,52,0	0.14	4.27e-03	9.52e-03235,210,210		0.28	235	0.0	0.0	0.0
	0.02	0.02	0.0	209,210,0	0.14	1.11e-03	1.11e-03235,207,207				1.00	0.04	0.96
992	0.0	0.07	0.0	0,52,0	0.14	3.93e-03	8.91e-03235,210,210		0.28	235	0.0	0.0	0.0
	0.03	0.03	0.0	204,207,0	0.14	2.82e-03	2.82e-03235,207,207				1.00	0.04	0.96
995	0.0	0.08	0.0	0,52,0	0.13	7.64e-03	0.01235,204,207		0.28	235	0.0	0.0	0.0
	0.06	0.05	0.0	204,207,0	0.13	9.31e-03	9.31e-03235,204,204				1.00	0.04	0.96
998	0.01	0.08	0.0	208,52,0	0.21	7.64e-03	0.01235,204,207		0.35	235	0.87	0.06	0.94
	0.06	0.05	0.0	204,207,0	0.21	9.31e-03	9.31e-03235,204,204				1.00	0.04	0.96
1832	0.12	0.13	0.0	229,230,0	0.26	3.87e-03	0.02232,232,230		0.39	232	0.87	0.06	0.94
	0.05	0.04	0.0	229,230,0	0.26	9.03e-03	9.03e-03232,235,235				1.00	0.04	0.96
1834	0.09	0.11	0.0	229,230,0	0.19	8.63e-03	0.02232,209,210		0.33	232	0.87	0.06	0.94
	0.04	0.03	0.0	235,232,0	0.19	9.03e-03	9.03e-03232,235,235				1.00	0.04	0.96
1836	0.07	0.09	0.0	235,232,0	0.14	0.01	0.03232,209,210		0.29	232	0.87	0.06	0.94
	0.04	0.03	0.0	235,232,0	0.14	0.02	0.02232,204,204				1.00	0.04	0.96
1838	0.05	0.08	0.0	235,232,0	0.12	0.02	0.03232,204,204		0.26	232	0.87	0.06	0.94
	0.05	0.04	0.0	235,232,0	0.12	0.02	0.02232,204,204				1.00	0.04	0.96
1848	0.03	0.06	0.0	211,208,0	0.11	0.02	0.03232,204,204		0.25	232	0.87	0.06	0.94
	0.11	0.08	0.0	232,235,0	0.11	0.01	0.01232,208,208				1.00	0.04	0.96
1850	7.96e-03	0.05	0.0	235,232,0	0.11	0.02	0.03232,204,204		0.25	232	0.87	0.06	0.94
	0.14	0.10	0.0	232,235,0	0.11	8.12e-03	8.12e-03 232,52,52				1.00	0.04	0.96
1852	0.0	0.04	0.0	0,52,0	0.02	0.02	0.03232,204,204		0.10	232	0.0	0.0	0.0
	0.14	0.10	0.0	232,235,0	0.02	8.12e-03	8.12e-03 232,52,52				1.00	0.04	0.96
3260	0.12	0.13	0.0	229,230,0	0.26	5.66e-03	0.02232,204,230		0.39	232	0.87	0.06	0.94
	0.05	0.04	0.0	229,230,0	0.26	9.03e-03	9.03e-03232,235,235				1.00	0.04	0.96
3261	0.12	0.13	0.0	229,230,0	0.26	5.66e-03	0.02232,204,230		0.39	232	0.87	0.06	0.94
	0.05	0.04	0.0	229,230,0	0.26	4.02e-03	4.02e-03232,204,204				1.00	0.04	0.96
3262	0.09	0.11	0.0	229,230,0	0.19	8.63e-03	0.02232,209,210		0.33	232	0.87	0.06	0.94
	0.04	0.03	0.0	235,232,0	0.19	9.03e-03	9.03e-03232,235,235				1.00	0.04	0.96
3263	0.07	0.09	0.0	235,232,0	0.17	0.01	0.03232,209,210		0.32	232	0.87	0.06	0.94
	0.04	0.03	0.0	235,232,0	0.17	0.02	0.02232,204,204				1.00	0.04	0.96
3264	0.05	0.08	0.0	235,232,0	0.17	0.02	0.03232,204,204		0.32	232	0.87	0.06	0.94
	0.05	0.04	0.0	235,232,0	0.17	0.02	0.02232,204,204				1.00	0.04	0.96
3265	0.02	0.01	0.0	230,229,0	0.17	5.91e-03	7.86e-03232,204,204		0.32	232	0.87	0.06	0.94
	0.04	0.03	0.0	229,230,0	0.17	6.14e-03	6.14e-03232,212,212				1.00	0.04	0.96
3266	0.02	0.01	0.0	230,229,0	0.17	5.91e-03	7.38e-03232,204,204		0.31	232	0.87	0.06	0.94
	0.04	0.03	0.0	229,230,0	0.17	4.02e-03	4.02e-03232,204,204				1.00	0.04	0.96
3267	0.02	0.01	0.0	207,207,0	0.17	4.83e-03	9.95e-03232,209,204		0.32	232	0.87	0.06	0.94
	0.02	0.02	0.0	235,210,0	0.17	6.82e-03	6.82e-03232,212,212				1.00	0.04	0.96
3268	0.02	0.02	0.0	204,207,0	0.17	4.83e-03	9.95e-03232,209,204		0.32	232	0.87	0.06	0.94
	0.03	0.02	0.0	229,230,0	0.17	6.82e-03	6.82e-03232,212,212				1.00	0.04	0.96
3269	0.02	0.02	0.0	204,207,0	0.17	2.07e-03	8.41e-03232,204,204		0.32	232	0.87	0.06	0.94
	0.03	0.02	0.0	235,230,0	0.17	7.96e-03	7.96e-03232,232,232				1.00	0.04	0.96
3270	0.01	9.13e-03	0.0	207,207,0	0.17	5.91e-03	7.83e-03235,204,207		0.32	235	0.87	0.06	0.94
	0.03	0.03	0.0	229,230,0	0.17	6.11e-03	6.11e-03235,204,204				1.00	0.04	0.96

3271	0.01	3.20e-03	0.0	51,57,0	0.17	5.91e-03	5.91e-03235,204,204	0.32	235	0.87	0.06	0.94
	0.03	0.03	0.0	229,230,0	0.17	3.62e-03	3.62e-03235,207,207			1.00	0.04	0.96
3272	0.02	0.01	0.0	207,207,0	0.17	4.66e-03	8.05e-03235,204,204	0.32	235	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.17	6.11e-03	6.11e-03235,204,204			1.00	0.04	0.96
3273	0.02	0.02	0.0	207,207,0	0.17	2.57e-03	8.05e-03235,204,204	0.32	235	0.87	0.06	0.94
	0.02	0.01	0.0	229,230,0	0.17	5.34e-03	5.34e-03235,204,204			1.00	0.04	0.96
3274	0.02	0.02	0.0	204,207,0	0.17	2.34e-03	8.41e-03235,204,204	0.31	235	0.87	0.06	0.94
	0.02	0.01	0.0	229,209,0	0.17	4.00e-03	4.00e-03235,232,232			1.00	0.04	0.96
3275	0.01	0.04	0.0	208,211,0	0.21	6.77e-03	0.01235,204,207	0.35	235	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.21	4.93e-03	4.93e-03235,204,204			1.00	0.04	0.96
3276	0.01	0.03	0.0	208,219,0	0.21	6.77e-03	0.01235,204,207	0.35	235	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	0.21	3.62e-03	3.62e-03235,207,207			1.00	0.04	0.96
3277	0.02	0.04	0.0	204,207,0	0.20	4.56e-03	0.01235,204,207	0.35	235	0.87	0.06	0.94
	0.03	0.02	0.0	209,210,0	0.20	4.93e-03	4.93e-03235,204,204			1.00	0.04	0.96
3278	0.02	0.04	0.0	204,207,0	0.19	2.07e-03	9.05e-03235,204,207	0.33	235	0.87	0.06	0.94
	0.02	0.01	0.0	209,212,0	0.19	2.93e-03	2.93e-03235,204,204			1.00	0.04	0.96
3279	0.01	0.04	0.0	204,207,0	0.18	2.34e-03	9.02e-03235,204,207	0.33	235	0.87	0.06	0.94
	0.02	0.01	0.0	204,212,0	0.18	2.24e-03	2.24e-03235,229,229			1.00	0.04	0.96
3280	0.01	0.08	0.0	208,52,0	0.21	7.64e-03	0.01235,204,207	0.35	235	0.87	0.06	0.94
	0.06	0.05	0.0	204,207,0	0.21	9.31e-03	9.31e-03235,204,204			1.00	0.04	0.96
3281	0.01	0.07	0.0	208,52,0	0.20	3.84e-03	0.01235,204,207	0.35	235	0.87	0.06	0.94
	0.03	0.02	0.0	209,210,0	0.20	3.43e-03	3.43e-03235,204,204			1.00	0.04	0.96
3282	0.01	0.07	0.0	204,52,0	0.19	1.55e-03	0.01235,207,207	0.33	235	0.87	0.06	0.94
	0.02	0.01	0.0	204,212,0	0.19	1.47e-03	1.47e-03235,209,209			1.00	0.04	0.96
3283	0.01	0.06	0.0	204,52,0	0.18	2.16e-03	9.86e-03235,204,207	0.33	235	0.87	0.06	0.94
	0.02	0.01	0.0	204,212,0	0.18	2.09e-03	2.09e-03235,209,209			1.00	0.04	0.96
3284	0.03	0.06	0.0	211,208,0	0.20	0.02	0.03232,204,204	0.34	232	0.87	0.06	0.94
	0.11	0.08	0.0	232,235,0	0.20	0.01	0.01232,208,208			1.00	0.04	0.96
3285	0.02	0.05	0.0	204,232,0	0.20	0.02	0.03232,204,204	0.34	232	0.87	0.06	0.94
	0.14	0.10	0.0	232,235,0	0.20	8.12e-03	8.12e-03 232,52,52			1.00	0.04	0.96
3286	7.72e-03	0.04	0.0	228,52,0	0.11	0.02	0.03232,204,204	0.25	232	0.87	0.06	0.94
	0.14	0.10	0.0	232,235,0	0.11	8.12e-03	8.12e-03 232,52,52			1.00	0.04	0.96
3287	0.02	0.02	0.0	204,207,0	0.20	8.12e-03	0.01232,204,204	0.34	232	0.87	0.06	0.94
	0.10	0.06	0.0	232,235,0	0.20	7.96e-03	7.96e-03232,232,232			1.00	0.04	0.96
3288	0.02	0.02	0.0	204,207,0	0.20	8.12e-03	0.01232,204,204	0.34	232	0.87	0.06	0.94
	0.12	0.07	0.0	232,235,0	0.20	7.27e-03	7.27e-03232,224,224			1.00	0.04	0.96
3289	7.72e-03	0.02	0.0	228,231,0	0.11	7.26e-03	9.40e-03232,209,209	0.25	232	0.87	0.06	0.94
	0.12	0.07	0.0	232,235,0	0.11	7.27e-03	7.27e-03232,224,224			1.00	0.04	0.96
3290	0.01	0.02	0.0	207,59,0	0.17	5.46e-03	0.01235,204,204	0.31	235	0.87	0.06	0.94
	0.09	0.06	0.0	232,235,0	0.17	3.43e-03	3.43e-03235,230,230			1.00	0.04	0.96
3291	7.33e-03	0.02	0.0	207,59,0	0.16	6.22e-03	0.01235,209,204	0.31	235	0.87	0.06	0.94
	0.09	0.06	0.0	232,235,0	0.16	2.98e-03	2.98e-03235,228,228			1.00	0.04	0.96
3292	0.0	0.02	0.0	0,59,0	0.11	6.22e-03	8.70e-03235,209,204	0.26	235	0.0	0.0	0.0
	0.08	0.05	0.0	232,235,0	0.11	2.98e-03	2.98e-03235,228,228			1.00	0.04	0.96
3293	0.01	0.03	0.0	204,52,0	0.18	4.24e-03	9.34e-03235,204,207	0.32	235	0.87	0.06	0.94
	0.07	0.05	0.0	232,235,0	0.18	2.24e-03	2.24e-03235,229,229			1.00	0.04	0.96
3294	3.78e-03	0.04	0.0	204,52,0	0.17	5.97e-03	9.34e-03235,204,207	0.31	235	0.87	0.06	0.94
	0.07	0.05	0.0	232,235,0	0.17	1.89e-03	1.89e-03235,209,209			1.00	0.04	0.96
3295	0.0	0.04	0.0	0,52,0	0.12	5.97e-03	9.11e-03235,204,207	0.27	235	0.0	0.0	0.0
	0.06	0.04	0.0	232,235,0	0.12	1.42e-03	1.42e-03235,204,204			1.00	0.04	0.96
3296	6.80e-03	0.06	0.0	204,52,0	0.18	3.80e-03	0.01235,204,207	0.32	235	0.87	0.06	0.94
	0.06	0.04	0.0	232,235,0	0.18	2.09e-03	2.09e-03235,209,209			1.00	0.04	0.96
3297	0.0	0.05	0.0	0,52,0	0.17	5.58e-03	0.01235,204,207	0.31	235	0.0	0.0	0.0
	0.06	0.04	0.0	232,235,0	0.17	2.00e-03	2.00e-03235,209,209			1.00	0.04	0.96
3298	0.0	0.05	0.0	0,52,0	0.12	5.58e-03	9.80e-03235,204,207	0.27	235	0.0	0.0	0.0
	0.05	0.03	0.0	232,235,0	0.12	1.54e-03	1.54e-03235,209,209			1.00	0.04	0.96
3299	0.0	0.08	0.0	0,52,0	0.14	7.64e-03	0.01235,204,207	0.28	235	0.0	0.0	0.0
	0.06	0.05	0.0	204,207,0	0.14	9.31e-03	9.31e-03235,204,204			1.00	0.04	0.96
3300	0.0	0.07	0.0	0,52,0	0.14	3.69e-03	0.01235,207,207	0.29	235	0.0	0.0	0.0
	0.03	0.02	0.0	209,210,0	0.14	3.64e-03	3.64e-03235,204,204			1.00	0.04	0.96
3301	0.0	0.07	0.0	0,52,0	0.14	2.04e-03	0.01235,207,207	0.29	235	0.0	0.0	0.0
	0.02	0.01	0.0	204,216,0	0.14	2.26e-03	2.26e-03235,204,204			1.00	0.04	0.96
3302	0.0	0.06	0.0	0,52,0	0.15	1.89e-03	9.86e-03235,204,207	0.29	235	0.0	0.0	0.0
	0.02	0.01	0.0	216,212,0	0.15	1.98e-03	1.98e-03235,204,204			1.00	0.04	0.96
3303	0.0	0.07	0.0	0,52,0	0.14	3.93e-03	0.01235,210,207	0.28	235	0.0	0.0	0.0
	0.03	0.03	0.0	204,207,0	0.14	3.64e-03	3.64e-03235,204,204			1.00	0.04	0.96
3304	0.0	0.06	0.0	0,52,0	0.14	3.69e-03	0.01235,207,207	0.28	235	0.0	0.0	0.0
	0.02	0.02	0.0	209,210,0	0.14	3.64e-03	3.64e-03235,204,204			1.00	0.04	0.96
3305	0.0	0.06	0.0	0,52,0	0.14	2.04e-03	9.77e-03235,207,207	0.28	235	0.0	0.0	0.0
	0.01	0.01	0.0	209,216,0	0.14	3.04e-03	3.04e-03235,204,204			1.00	0.04	0.96
3306	0.0	0.06	0.0	0,52,0	0.14	1.74e-03	9.09e-03235,207,207	0.28	235	0.0	0.0	0.0
	0.02	9.65e-03	0.0	232,207,0	0.14	2.85e-03	2.85e-03235,204,204			1.00	0.04	0.96
3307	0.0	0.07	0.0	0,52,0	0.14	4.27e-03	0.01235,210,210	0.28	235	0.0	0.0	0.0
	0.02	0.02	0.0	209,210,0	0.14	2.67e-03	2.67e-03235,204,204			1.00	0.04	0.96
3308	0.0	0.07	0.0	0,52,0	0.13	3.21e-03	0.01235,210,210	0.28	235	0.0	0.0	0.0

	0.02	0.01	0.0 229,230,0	0.13	3.25e-03	3.25e-03235,207,207			1.00	0.04	0.96
3309	0.0	0.07	0.0 0,52,0	0.13	1.86e-03	9.59e-03235,207,210	0.28	235	0.0	0.0	0.0
	0.02	0.01	0.0 209,210,0	0.13	3.39e-03	3.39e-03235,204,204			1.00	0.04	0.96
3310	0.0	0.06	0.0 0,52,0	0.13	1.71e-03	9.16e-03235,210,210	0.28	235	0.0	0.0	0.0
	0.02	0.01	0.0 230,210,0	0.13	3.39e-03	3.39e-03235,204,204			1.00	0.04	0.96
3311	2.05e-03	0.08	0.0 232,52,0	0.13	4.53e-03	0.01235,210,207	0.28	235	0.87	0.06	0.94
	0.03	0.03	0.0 209,210,0	0.13	2.88e-03	2.88e-03235,210,210			1.00	0.04	0.96
3312	2.05e-03	0.07	0.0 232,52,0	0.12	3.29e-03	0.01235,210,207	0.27	235	0.87	0.06	0.94
	0.02	0.02	0.0 209,210,0	0.12	4.11e-03	4.11e-03235,210,210			1.00	0.04	0.96
3313	1.93e-03	0.07	0.0 204,52,0	0.12	1.80e-03	0.01232,210,207	0.27	232	0.87	0.06	0.94
	0.03	0.02	0.0 210,210,0	0.12	4.11e-03	4.11e-03232,210,210			1.00	0.04	0.96
3314	1.72e-03	0.07	0.0 204,52,0	0.12	1.69e-03	9.74e-03232,210,207	0.27	232	0.87	0.06	0.94
	0.03	0.02	0.0 210,210,0	0.12	3.58e-03	3.58e-03232,210,210			1.00	0.04	0.96
3315	0.03	0.10	0.0 232,235,0	0.12	4.73e-03	0.01232,210,207	0.27	232	0.87	0.06	0.94
	0.03	0.03	0.0 209,230,0	0.12	4.63e-03	4.63e-03232,210,210			1.00	0.04	0.96
3316	0.02	0.10	0.0 232,235,0	0.12	3.29e-03	0.01232,210,207	0.26	232	0.87	0.06	0.94
	0.04	0.03	0.0 209,210,0	0.12	5.91e-03	5.91e-03232,210,210			1.00	0.04	0.96
3317	0.02	0.09	0.0 232,235,0	0.12	1.42e-03	0.01232,209,207	0.26	232	0.87	0.06	0.94
	0.04	0.03	0.0 210,210,0	0.12	5.91e-03	5.91e-03232,210,210			1.00	0.04	0.96
3318	0.02	0.09	0.0 232,235,0	0.11	1.84e-03	0.01232,210,207	0.26	232	0.87	0.06	0.94
	0.04	0.02	0.0 210,210,0	0.11	3.95e-03	3.95e-03 232,16,16			1.00	0.04	0.96
3319	0.04	0.15	0.0 232,235,0	0.10	4.73e-03	0.02232,210,229	0.25	232	0.87	0.06	0.94
	0.05	0.03	0.0 209,210,0	0.10	7.78e-03	7.78e-03232,210,210			1.00	0.04	0.96
3320	0.03	0.13	0.0 232,235,0	0.10	3.10e-03	0.02232,210,229	0.24	232	0.87	0.06	0.94
	0.05	0.04	0.0 210,210,0	0.10	7.78e-03	7.78e-03232,210,210			1.00	0.04	0.96
3321	0.03	0.12	0.0 232,235,0	0.10	1.15e-03	0.01232,207,235	0.24	232	0.87	0.06	0.94
	0.05	0.04	0.0 210,210,0	0.10	6.90e-03	6.90e-03232,210,210			1.00	0.04	0.96
3322	0.03	0.10	0.0 232,235,0	0.10	1.84e-03	0.01232,210,235	0.24	232	0.87	0.06	0.94
	0.04	0.03	0.0 210,210,0	0.10	6.34e-03	6.34e-03 232,16,16			1.00	0.04	0.96
3323	0.04	0.15	0.0 232,235,0	0.07	3.84e-03	0.02230,209,229	0.20	230	0.87	0.06	0.94
	0.06	0.05	0.0 209,210,0	0.07	7.97e-03	7.97e-03230,210,210			1.00	0.04	0.96
3324	0.03	0.13	0.0 232,235,0	0.07	2.36e-03	0.02230,19,229	0.21	230	0.87	0.06	0.94
	0.07	0.05	0.0 209,210,0	0.07	9.29e-03	9.29e-03 230,18,18			1.00	0.04	0.96
3325	0.03	0.12	0.0 232,235,0	0.07	2.48e-03	0.01230,207,235	0.21	230	0.87	0.06	0.94
	0.07	0.05	0.0 209,210,0	0.07	9.29e-03	9.29e-03 230,18,18			1.00	0.04	0.96
3326	0.03	0.10	0.0 232,235,0	0.07	2.48e-03	0.01230,207,235	0.21	230	0.87	0.06	0.94
	0.04	0.03	0.0 209,16,0	0.07	9.15e-03	9.15e-03 230,19,19			1.00	0.04	0.96
3327	0.0	0.06	0.0 0,52,0	0.15	3.47e-03	0.01235,207,207	0.29	235	0.0	0.0	0.0
	0.05	0.03	0.0 232,235,0	0.15	2.00e-03	2.00e-03235,209,209			1.00	0.04	0.96
3328	0.0	0.05	0.0 0,52,0	0.14	5.54e-03	0.01235,207,207	0.29	235	0.0	0.0	0.0
	0.05	0.03	0.0 232,235,0	0.14	3.23e-03	3.23e-03235,209,209			1.00	0.04	0.96
3329	0.0	0.05	0.0 0,52,0	0.11	5.54e-03	9.80e-03235,207,207	0.25	235	0.0	0.0	0.0
	0.04	0.02	0.0 232,235,0	0.11	3.23e-03	3.23e-03235,209,209			1.00	0.04	0.96
3330	0.0	0.06	0.0 0,52,0	0.14	3.47e-03	9.53e-03235,207,207	0.28	235	0.0	0.0	0.0
	0.05	0.03	0.0 232,235,0	0.14	2.46e-03	2.46e-03235,204,204			1.00	0.04	0.96
3331	0.0	0.06	0.0 0,52,0	0.13	5.08e-03	9.53e-03235,207,207	0.27	235	0.0	0.0	0.0
	0.05	0.03	0.0 232,235,0	0.13	3.23e-03	3.23e-03235,209,209			1.00	0.04	0.96
3332	0.0	0.05	0.0 0,52,0	0.11	5.08e-03	9.02e-03235,207,207	0.25	235	0.0	0.0	0.0
	0.03	0.02	0.0 232,235,0	0.11	3.23e-03	3.23e-03235,209,209			1.00	0.04	0.96
3333	0.0	0.06	0.0 0,52,0	0.12	3.16e-03	9.51e-03235,210,210	0.27	235	0.0	0.0	0.0
	0.04	0.02	0.0 232,235,0	0.12	2.79e-03	2.79e-03235,204,204			1.00	0.04	0.96
3334	0.0	0.06	0.0 0,52,0	0.11	4.73e-03	9.51e-03235,210,210	0.26	235	0.0	0.0	0.0
	0.04	0.02	0.0 232,235,0	0.11	1.61e-03	1.61e-03235,209,209			1.00	0.04	0.96
3335	0.0	0.06	0.0 0,52,0	0.09	4.73e-03	9.21e-03235,210,210	0.23	235	0.0	0.0	0.0
	0.03	0.01	0.0 232,235,0	0.09	1.39e-03	1.39e-03235,210,210			1.00	0.04	0.96
3336	0.0	0.07	0.0 0,52,0	0.12	3.16e-03	9.74e-03232,210,207	0.26	232	0.0	0.0	0.0
	0.03	0.02	0.0 232,211,0	0.12	2.79e-03	2.79e-03232,204,204			1.00	0.04	0.96
3337	0.0	0.06	0.0 0,52,0	0.11	4.73e-03	9.51e-03232,210,210	0.25	232	0.0	0.0	0.0
	0.03	0.02	0.0 232,211,0	0.11	1.39e-03	1.39e-03232,210,210			1.00	0.04	0.96
3338	0.0	0.06	0.0 0,52,0	0.09	4.73e-03	9.28e-03232,210,207	0.23	232	0.0	0.0	0.0
	0.02	0.01	0.0 232,229,0	0.09	1.39e-03	1.39e-03232,210,210			1.00	0.04	0.96
3339	0.02	0.08	0.0 232,235,0	0.11	2.64e-03	0.01232,210,207	0.25	232	0.87	0.06	0.94
	0.03	0.02	0.0 208,210,0	0.11	3.29e-03	3.29e-03 232,19,19			1.00	0.04	0.96
3340	0.01	0.07	0.0 232,235,0	0.10	4.41e-03	9.75e-03232,209,207	0.24	232	0.87	0.06	0.94
	0.03	0.02	0.0 208,211,0	0.10	2.14e-03	2.14e-03 232,19,19			1.00	0.04	0.96
3341	8.75e-03	0.07	0.0 232,235,0	0.09	4.41e-03	9.28e-03232,209,207	0.23	232	0.87	0.06	0.94
	0.02	7.95e-03	0.0 232,235,0	0.09	1.95e-03	1.95e-03232,230,230			1.00	0.04	0.96
3342	0.02	0.09	0.0 232,235,0	0.09	2.15e-03	0.01232,209,235	0.23	232	0.87	0.06	0.94
	0.03	0.02	0.0 209,210,0	0.09	5.61e-03	5.61e-03232,207,207			1.00	0.04	0.96
3343	0.02	0.08	0.0 232,235,0	0.08	3.09e-03	9.75e-03232,209,207	0.22	232	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.08	5.61e-03	5.61e-03232,207,207			1.00	0.04	0.96
3344	0.02	0.07	0.0 232,235,0	0.07	3.09e-03	8.94e-03232,209,207	0.21	232	0.87	0.06	0.94
	0.02	7.20e-03	0.0 230,229,0	0.07	2.35e-03	2.35e-03232,207,207			1.00	0.04	0.96
3345	0.02	0.09	0.0 232,235,0	0.07	2.38e-03	0.01230,19,235	0.20	230	0.87	0.06	0.94
	0.03	0.03	0.0 18,19,0	0.07	8.11e-03	8.11e-03230,207,207			1.00	0.04	0.96

3346	0.02	0.08	0.0 232,235,0	0.06	2.69e-03	9.58e-03	230,21,235	0.19	230	0.87	0.06	0.94
	0.02	0.02	0.0 22,19,0	0.06	8.11e-03	8.11e-03	230,207,207			1.00	0.04	0.96
3347	0.02	0.07	0.0 232,235,0	0.05	2.69e-03	8.35e-03	230,21,235	0.18	230	0.87	0.06	0.94
	0.01	6.80e-03	0.0 230,223,0	0.05	4.05e-03	4.05e-03	230,207,207			1.00	0.04	0.96
3348	0.04	0.07	0.0 232,235,0	0.07	0.01	0.0252,	207,207	0.20	52	0.87	0.06	0.94
	0.06	0.05	0.0 210,210,0	0.07	9.07e-03	9.07e-03	52,19,19			1.00	0.04	0.96
3349	0.04	0.07	0.0 232,235,0	0.07	0.01	0.0252,	207,207	0.20	52	0.87	0.06	0.94
	0.03	0.03	0.0 209,210,0	0.07	7.97e-03	7.97e-03	52,210,210			1.00	0.04	0.96
3350	0.03	0.07	0.0 232,235,0	0.06	3.33e-03	0.0152,	207,207	0.18	52	0.87	0.06	0.94
	0.07	0.06	0.0 18,18,0	0.06	0.01	0.01	52,19,19			1.00	0.04	0.96
3351	0.03	0.07	0.0 232,235,0	0.05	0.01	0.02230,	207,207	0.17	230	0.87	0.06	0.94
	0.07	0.06	0.0 18,18,0	0.05	0.01	0.01230,	207,207			1.00	0.04	0.96
3352	0.02	0.06	0.0 232,235,0	0.05	0.01	0.02230,	207,207	0.17	230	0.87	0.06	0.94
	0.07	0.06	0.0 18,18,0	0.05	0.01	0.01230,	207,207			1.00	0.04	0.96
3353	0.07	0.05	0.0 209,210,0	0.04	0.03	0.05230,	207,207	0.15	230	0.87	0.06	0.94
	0.08	0.06	0.0 22,20,0	0.04	0.06	0.06230,	207,207			1.00	0.04	0.96
3354	0.03	0.02	0.0 204,207,0	0.03	0.03	0.03230,	207,207	0.14	230	0.87	0.06	0.94
	0.03	0.03	0.0 209,210,0	0.03	5.13e-03	5.13e-03	230,231,231			1.00	0.04	0.96
3355	0.07	0.05	0.0 209,210,0	0.04	0.03	0.05230,	207,210	0.15	230	0.87	0.06	0.94
	0.10	0.08	0.0 18,22,0	0.04	0.06	0.06230,	207,207			1.00	0.04	0.96
3356	0.06	0.05	0.0 209,210,0	0.04	0.03	0.05230,	207,210	0.15	230	0.87	0.06	0.94
	0.10	0.08	0.0 18,22,0	0.04	0.05	0.05230,	207,207			1.00	0.04	0.96
3357	0.03	0.02	0.0 229,230,0	0.04	0.02	0.03230,	207,210	0.15	230	0.87	0.06	0.94
	0.10	0.08	0.0 18,22,0	0.04	0.01	0.01230,	207,207			1.00	0.04	0.96
3358	0.07	0.05	0.0 209,210,0	0.02	0.03	0.05230,	207,207	0.12	230	0.87	0.06	0.94
	0.08	0.06	0.0 22,20,0	0.02	0.06	0.06230,	207,207			1.00	0.04	0.96
3359	0.03	0.02	0.0 204,207,0	0.02	0.03	0.03230,	207,207	0.11	230	0.87	0.06	0.94
	0.01	9.73e-03	0.0 21,20,0	0.02	3.56e-03	3.56e-03	230,207,207			1.00	0.04	0.96
3360	0.07	0.05	0.0 209,210,0	0.03	0.03	0.05230,	207,210	0.13	230	0.87	0.06	0.94
	0.10	0.08	0.0 18,22,0	0.03	0.06	0.06230,	207,207			1.00	0.04	0.96
3361	0.06	0.05	0.0 209,210,0	0.03	0.03	0.05230,	207,210	0.13	230	0.87	0.06	0.94
	0.10	0.08	0.0 18,22,0	0.03	0.05	0.05230,	207,207			1.00	0.04	0.96
3362	0.03	0.02	0.0 229,230,0	0.03	0.02	0.03230,	207,210	0.13	230	0.87	0.06	0.94
	0.10	0.08	0.0 18,22,0	0.03	0.01	0.01 230,	21,21			1.00	0.04	0.96
3363	0.02	0.06	0.0 232,235,0	0.05	9.27e-03	0.01230,	207,207	0.17	230	0.87	0.06	0.94
	0.06	0.05	0.0 22,19,0	0.05	0.01	0.01 230,	17,17			1.00	0.04	0.96
3364	0.01	0.05	0.0 232,235,0	0.05	6.48e-03	8.77e-03	230,210,210	0.16	230	0.87	0.06	0.94
	0.04	0.03	0.0 20,19,0	0.05	8.11e-03	8.11e-03	230,207,207			1.00	0.04	0.96
3365	8.60e-03	0.05	0.0 232,235,0	0.04	6.48e-03	8.77e-03	230,210,210	0.15	230	0.87	0.06	0.94
	0.03	0.02	0.0 207,207,0	0.04	5.73e-03	5.73e-03	230,207,207			1.00	0.04	0.96
3366	0.04	0.03	0.0 207,204,0	0.04	0.02	0.02230,	210,204	0.15	230	0.87	0.06	0.94
	0.09	0.07	0.0 17,18,0	0.04	0.03	0.03230,	210,210			1.00	0.04	0.96
3367	0.04	0.04	0.0 207,204,0	0.03	0.03	0.03230,	207,204	0.14	230	0.87	0.06	0.94
	0.06	0.05	0.0 17,17,0	0.03	0.03	0.03230,	210,210			1.00	0.04	0.96
3368	0.04	0.04	0.0 207,204,0	0.03	0.03	0.03230,	207,204	0.13	230	0.87	0.06	0.94
	0.03	0.02	0.0 207,207,0	0.03	0.02	0.02230,	210,210			1.00	0.04	0.96
3369	0.04	0.03	0.0 207,204,0	0.03	0.02	0.02230,	210,204	0.13	230	0.87	0.06	0.94
	0.09	0.07	0.0 17,18,0	0.03	0.03	0.03230,	210,210			1.00	0.04	0.96
3370	0.04	0.04	0.0 207,204,0	0.03	0.03	0.03230,	207,204	0.12	230	0.87	0.06	0.94
	0.06	0.05	0.0 17,17,0	0.03	0.03	0.03230,	210,210			1.00	0.04	0.96
3371	0.04	0.04	0.0 207,204,0	0.02	0.03	0.03230,	207,204	0.11	230	0.87	0.06	0.94
	9.24e-03	8.01e-03	0.0 19,22,0	0.02	0.02	0.02230,	210,210			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.15	0.0	0.26	0.06	0.06	0.39

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
91	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.48	kN -8.3	172	0.57	kN -9.9	175	0.25	kN 226.7	kN m -8.690e+04	204

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3358	0.03	0.02	0.0 209,210,0	9.03e-03	3.87e-03	5.33e-03	204,19,210	0.07	204	0.87	0.06	0.94	
	0.11	0.07	0.0 207,204,0	9.03e-03	0.02	0.02	204,19,19			1.00	0.04	0.96	
3359	0.02	8.87e-03	0.0 204,207,0	9.03e-03	3.87e-03	3.87e-03	204,19,19	0.07	204	0.87	0.06	0.94	
	0.02	0.01	0.0 204,207,0	9.03e-03	3.86e-03	3.86e-03	204,210,210			1.00	0.04	0.96	
3360	0.04	0.03	0.0 209,210,0	0.06	2.14e-03	5.33e-03	210,230,210	0.19	210	0.87	0.06	0.94	

	0.11	0.07	0.0 207,204,0	0.06	0.03	0.03 210,19,19			1.00	0.04	0.96
3361	0.04	0.03	0.0 209,210,0	0.08	1.90e-03	4.80e-03210,223,230	0.21	210	0.87	0.06	0.94
	0.10	0.06	0.0 207,204,0	0.08	0.03	0.03 210,21,21			1.00	0.04	0.96
3362	0.03	0.02	0.0 229,230,0	0.08	1.90e-03	4.12e-03210,223,210	0.22	210	0.87	0.06	0.94
	0.08	0.06	0.0 17,21,0	0.08	0.03	0.03 210,21,21			1.00	0.04	0.96
3369	0.03	0.02	0.0 223,220,0	0.08	1.77e-03	3.37e-03210,223,232	0.22	210	0.87	0.06	0.94
	0.07	0.05	0.0 17,18,0	0.08	0.03	0.03 210,17,17			1.00	0.04	0.96
3370	0.03	0.02	0.0 223,220,0	0.08	3.83e-03	6.46e-03210,223,220	0.22	210	0.87	0.06	0.94
	0.05	0.05	0.0 209,210,0	0.08	0.02	0.02 210,17,17			1.00	0.04	0.96
3371	0.03	0.02	0.0 223,220,0	0.02	3.83e-03	6.46e-03207,223,220	0.10	207	0.87	0.06	0.94
	0.04	0.03	0.0 209,210,0	0.02	8.22e-03	8.22e-03207,223,223			1.00	0.04	0.96
3372	0.06	0.04	0.0 210,209,0	9.03e-03	0.01	0.02204,18,209	0.07	204	0.87	0.06	0.94
	0.13	0.08	0.0 207,204,0	9.03e-03	0.02	0.02 204,19,19			1.00	0.04	0.96
3373	0.03	0.02	0.0 210,209,0	9.03e-03	0.01	0.01 204,18,18	0.07	204	0.87	0.06	0.94
	0.02	0.02	0.0 204,207,0	9.03e-03	5.25e-03	5.25e-03204,207,207			1.00	0.04	0.96
3374	0.10	0.07	0.0 210,209,0	0.07	0.01	0.02207,18,209	0.21	207	0.87	0.06	0.94
	0.13	0.08	0.0 207,204,0	0.07	0.03	0.03 207,19,19			1.00	0.04	0.96
3375	0.10	0.07	0.0 210,209,0	0.08	6.70e-03	0.02210,210,209	0.21	210	0.87	0.06	0.94
	0.11	0.06	0.0 207,204,0	0.08	0.03	0.03 210,21,21			1.00	0.04	0.96
3376	0.06	0.05	0.0 210,209,0	0.08	6.70e-03	0.01210,210,209	0.22	210	0.87	0.06	0.94
	0.08	0.06	0.0 17,21,0	0.08	0.03	0.03 210,21,21			1.00	0.04	0.96
3377	0.06	0.04	0.0 210,209,0	3.23e-03	0.01	0.02204,18,209	0.04	204	0.87	0.06	0.94
	0.13	0.08	0.0 207,204,0	3.22e-03	0.01	0.01 204,19,19			1.00	0.04	0.96
3378	0.03	0.02	0.0 210,209,0	3.23e-03	0.01	0.01 204,18,18	0.04	204	0.87	0.06	0.94
	0.02	0.02	0.0 204,207,0	3.22e-03	5.25e-03	5.25e-03204,207,207			1.00	0.04	0.96
3379	0.10	0.07	0.0 210,209,0	0.07	0.01	0.02207,18,209	0.21	207	0.87	0.06	0.94
	0.13	0.08	0.0 207,204,0	0.07	0.02	0.02 207,19,19			1.00	0.04	0.96
3380	0.10	0.07	0.0 210,209,0	0.07	6.70e-03	0.02207,210,209	0.21	207	0.87	0.06	0.94
	0.11	0.06	0.0 207,204,0	0.07	0.02	0.02 207,19,19			1.00	0.04	0.96
3381	0.06	0.05	0.0 210,209,0	0.06	6.70e-03	0.01207,210,209	0.19	207	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	0.06	0.01	0.01 207,21,21			1.00	0.04	0.96
3382	0.03	0.02	0.0 210,209,0	0.08	6.42e-03	9.94e-03210,210,209	0.22	210	0.87	0.06	0.94
	0.07	0.05	0.0 17,18,0	0.08	0.03	0.03 210,17,17			1.00	0.04	0.96
3383	0.03	0.03	0.0 223,207,0	0.08	9.42e-03	0.01 210,20,20	0.22	210	0.87	0.06	0.94
	0.06	0.05	0.0 209,210,0	0.08	0.02	0.02 210,17,17			1.00	0.04	0.96
3384	0.03	0.03	0.0 223,207,0	0.02	9.42e-03	0.01 207,20,20	0.10	207	0.87	0.06	0.94
	0.06	0.05	0.0 209,210,0	0.02	8.22e-03	8.22e-03207,223,223			1.00	0.04	0.96
3385	0.03	0.02	0.0 210,209,0	0.05	6.42e-03	9.94e-03210,210,209	0.18	210	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.05	9.70e-03	9.70e-03 210,18,18			1.00	0.04	0.96
3386	0.03	0.03	0.0 204,207,0	0.05	9.42e-03	0.01 210,20,20	0.18	210	0.87	0.06	0.94
	0.06	0.05	0.0 209,210,0	0.05	6.62e-03	6.62e-03 210,18,18			1.00	0.04	0.96
3387	0.03	0.03	0.0 204,207,0	2.75e-03	9.42e-03	0.01 210,20,20	0.04	210	0.87	0.06	0.94
	0.06	0.05	0.0 209,210,0	2.75e-03	1.52e-03	1.52e-03210,210,210			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.13	0.08	0.0	0.08	0.03	0.03	0.22

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
92	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.23	kN -2.1	178	0.13	kN 1.2	178	0.19	kN -225.2	kN m 3.367e+04	210

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3388	0.04	0.03	0.0 19,18,0	2.03e-03	0.06	0.08 210,16,18			0.03	210	0.87	0.06	0.94
	0.01	0.01	0.0 223,18,0	2.02e-03	6.44e-03	6.44e-03 210,18,18					1.00	0.04	0.96
3389	0.13	0.10	0.0 19,18,0	2.03e-03	0.07	0.11 210,18,18			0.03	210	0.87	0.06	0.94
	0.02	0.03	0.0 209,210,0	2.02e-03	6.44e-03	6.44e-03 210,18,18					1.00	0.04	0.96
3390	0.13	0.10	0.0 18,18,0	2.03e-03	0.07	0.11 210,18,18			0.03	210	0.87	0.06	0.94
	0.02	0.03	0.0 209,210,0	2.02e-03	6.44e-03	6.44e-03 210,18,18					1.00	0.04	0.96
3391	0.04	0.03	0.0 18,18,0	2.03e-03	0.06	0.08 210,16,18			0.03	210	0.87	0.06	0.94
	0.01	0.01	0.0 229,18,0	2.02e-03	6.44e-03	6.44e-03 210,18,18					1.00	0.04	0.96
3392	0.18	0.15	0.0 19,18,0	0.09	0.07	0.11 210,18,18			0.23	210	0.87	0.06	0.94
	0.02	0.03	0.0 209,210,0	0.09	6.76e-03	6.76e-03 210,18,18					1.00	0.04	0.96
3393	0.19	0.15	0.0 18,18,0	0.09	0.07	0.11 210,18,18			0.23	210	0.87	0.06	0.94
	0.02	0.03	0.0 209,210,0	0.09	6.76e-03	6.76e-03 210,18,18					1.00	0.04	0.96
3394	0.19	0.15	0.0 19,18,0	0.09	0.02	0.08 210,21,18			0.23	210	0.87	0.06	0.94
	0.02	0.02	0.0 209,210,0	0.09	6.76e-03	6.76e-03 210,18,18					1.00	0.04	0.96

3395	0.20	0.15	0.0	18,18,0	0.09	0.02	0.08	210,16,18	0.23	210	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.09	6.76e-03	6.76e-03	210,18,18			1.00	0.04	0.96
3396	0.19	0.15	0.0	19,18,0	0.08	0.03	0.09	210,16,18	0.22	210	0.87	0.06	0.94
	6.73e-03	5.94e-03	0.0	210,209,0	0.08	5.64e-04	5.64e-04	210,231,231			1.00	0.04	0.96
3397	0.20	0.15	0.0	18,18,0	0.08	0.03	0.09	210,16,18	0.22	210	0.87	0.06	0.94
	6.73e-03	5.94e-03	0.0	210,209,0	0.08	6.58e-04	6.58e-04	210,230,230			1.00	0.04	0.96
3398	0.13	0.09	0.0	18,19,0	1.19e-03	0.07	0.07	207,19,19	0.03	207	0.87	0.06	0.94
	0.01	0.01	0.0	229,230,0	1.19e-03	6.23e-03	6.23e-03	207,18,18			1.00	0.04	0.96
3399	0.04	0.03	0.0	18,19,0	8.36e-04	0.06	0.06	209,19,19	0.02	209	0.87	0.06	0.94
	0.01	0.01	0.0	229,18,0	8.33e-04	6.23e-03	6.23e-03	209,18,18			1.00	0.04	0.96
3400	0.19	0.14	0.0	18,19,0	0.08	0.07	0.07	210,19,19	0.22	210	0.87	0.06	0.94
	5.92e-03	0.01	0.0	229,230,0	0.08	6.62e-03	6.62e-03	210,18,18			1.00	0.04	0.96
3401	0.20	0.14	0.0	18,19,0	0.08	0.02	0.02	210,16,16	0.22	210	0.87	0.06	0.94
	2.76e-03	0.01	0.0	19,18,0	0.08	6.62e-03	6.62e-03	210,18,18			1.00	0.04	0.96
3402	0.20	0.14	0.0	18,19,0	0.08	0.03	0.09	210,18,18	0.22	210	0.87	0.06	0.94
	3.29e-03	3.68e-03	0.0	19,18,0	0.08	6.58e-04	6.58e-04	210,230,230			1.00	0.04	0.96
3403	0.17	0.13	0.0	19,18,0	0.08	0.05	0.09	210,16,15	0.22	210	0.87	0.06	0.94
	0.01	5.78e-03	0.0	210,209,0	0.08	2.24e-04	2.24e-04	210,18,18			1.00	0.04	0.96
3404	0.18	0.13	0.0	19,18,0	0.08	0.05	0.09	210,16,18	0.22	210	0.87	0.06	0.94
	0.01	5.78e-03	0.0	210,209,0	0.08	2.25e-04	2.25e-04	210,20,20			1.00	0.04	0.96
3405	0.13	0.09	0.0	22,15,0	0.08	0.07	0.09	210,16,15	0.22	210	0.87	0.06	0.94
	0.01	5.78e-03	0.0	210,209,0	0.08	1.41e-03	1.41e-03	210,18,18			1.00	0.04	0.96
3406	0.13	0.10	0.0	22,210,0	0.08	0.07	0.09	210,16,18	0.22	210	0.87	0.06	0.94
	0.01	5.78e-03	0.0	210,209,0	0.08	1.51e-03	1.51e-03	210,18,18			1.00	0.04	0.96
3407	0.10	0.09	0.0	210,209,0	5.55e-04	0.07	0.07	22,16,16	0.01	209	0.87	0.06	0.94
	7.63e-03	4.78e-03	0.0	18,19,0	3.53e-04	1.41e-03	1.41e-03	209,18,18			1.00	0.04	0.96
3408	0.12	0.10	0.0	209,210,0	8.38e-04	0.07	0.09	18,16,18	0.02	210	0.87	0.06	0.94
	8.09e-03	5.25e-03	0.0	229,230,0	4.90e-04	1.51e-03	1.51e-03	210,18,18			1.00	0.04	0.96
3409	0.18	0.13	0.0	19,18,0	0.08	0.05	0.09	210,18,18	0.22	210	0.87	0.06	0.94
	8.94e-03	5.52e-03	0.0	209,210,0	0.08	2.25e-04	2.25e-04	210,20,20			1.00	0.04	0.96
3410	0.12	0.10	0.0	19,210,0	0.08	0.07	0.09	210,18,18	0.22	210	0.87	0.06	0.94
	8.94e-03	5.52e-03	0.0	209,210,0	0.08	1.51e-03	1.51e-03	210,18,18			1.00	0.04	0.96
3411	0.12	0.10	0.0	209,210,0	8.38e-04	0.07	0.09	18,18,18	0.02	210	0.87	0.06	0.94
	8.09e-03	5.25e-03	0.0	229,230,0	4.90e-04	1.51e-03	1.51e-03	210,18,18			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.20	0.15	0.0	0.09	0.07	0.11	0.23

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
93	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.36	13.5	178	0.52	-19.2	175	0.26	1429.2	1.699e+05	207

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3029	0.02	0.0	0.0	52,0,0	7.99e-03	2.91e-03	2.91e-03	210,209,209	0.07	210	0.87	0.06	0.94
	0.11	0.08	0.0	19,18,0	7.99e-03	0.04	0.04	210,18,18			1.00	0.04	0.96
3030	0.02	0.0	0.0	52,0,0	7.99e-03	2.91e-03	2.91e-03	210,209,209	0.07	210	0.87	0.06	0.94
	0.03	0.03	0.0	19,19,0	7.99e-03	8.50e-03	8.50e-03	210,19,19			1.00	0.04	0.96
3031	0.02	1.92e-03	0.0	51,230,0	0.07	1.87e-03	1.87e-03	204,204,204	0.20	204	0.87	0.06	0.94
	0.14	0.10	0.0	15,18,0	0.07	0.04	0.04	204,18,18			1.00	0.04	0.96
3032	0.02	7.07e-03	0.0	229,230,0	0.08	2.23e-03	3.26e-03	204,230,230	0.22	204	0.87	0.06	0.94
	0.14	0.10	0.0	15,18,0	0.08	0.04	0.04	204,18,18			1.00	0.04	0.96
3033	0.02	0.01	0.0	229,230,0	0.09	2.23e-03	4.46e-03	204,230,230	0.22	204	0.87	0.06	0.94
	0.12	0.09	0.0	16,18,0	0.09	0.04	0.04	204,18,18			1.00	0.04	0.96
3040	0.02	0.02	0.0	229,230,0	0.09	2.14e-03	4.46e-03	204,230,230	0.22	204	0.87	0.06	0.94
	0.10	0.07	0.0	19,19,0	0.09	0.04	0.04	204,19,19			1.00	0.04	0.96
3041	0.02	0.02	0.0	229,230,0	0.08	4.31e-03	7.16e-03	204,230,230	0.22	204	0.87	0.06	0.94
	0.07	0.06	0.0	22,15,0	0.08	0.03	0.03	204,19,19			1.00	0.04	0.96
3042	0.02	0.02	0.0	229,230,0	0.01	4.31e-03	7.16e-03	204,230,230	0.09	204	0.87	0.06	0.94
	0.04	0.03	0.0	207,209,0	0.01	8.14e-03	8.14e-03	204,16,16			1.00	0.04	0.96
3412	0.02	0.02	0.0	204,207,0	2.45e-03	0.01	0.01	207,17,17	0.04	207	0.87	0.06	0.94
	0.02	0.02	0.0	223,220,0	2.45e-03	4.60e-03	4.60e-03	207,20,20			1.00	0.04	0.96
3413	0.05	0.04	0.0	204,207,0	2.45e-03	0.01	0.01	207,17,207	0.04	207	0.87	0.06	0.94
	0.11	0.08	0.0	209,210,0	2.45e-03	0.02	0.02	207,19,19			1.00	0.04	0.96
3414	0.05	0.04	0.0	204,207,0	7.88e-03	0.01	0.01	210,17,207	0.07	210	0.87	0.06	0.94
	0.11	0.08	0.0	209,210,0	7.88e-03	0.02	0.02	210,18,18			1.00	0.04	0.96
3415	0.02	0.02	0.0	204,207,0	7.88e-03	0.01	0.01	210,17,17	0.07	210	0.87	0.06	0.94

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2721 DI 2790

	0.02	0.02	0.0	223,18,0	7.88e-03	7.25e-03	7.25e-03	210,19,19		1.00	0.04	0.96	
3416	0.09	0.07	0.0	204,207,0	0.06	7.80e-03	0.01	209,15,207	0.19	209	0.87	0.06	0.94
	0.11	0.08	0.0	209,210,0	0.06	0.02	0.02	209,18,18			1.00	0.04	0.96
3417	0.09	0.07	0.0	204,207,0	0.07	7.80e-03	0.01	204,15,207	0.20	204	0.87	0.06	0.94
	0.11	0.08	0.0	209,210,0	0.07	0.03	0.03	204,18,18			1.00	0.04	0.96
3418	0.09	0.07	0.0	204,207,0	0.06	7.80e-03	0.01	209,15,207	0.19	209	0.87	0.06	0.94
	0.09	0.06	0.0	209,210,0	0.06	0.02	0.02	209,18,18			1.00	0.04	0.96
3419	0.09	0.07	0.0	204,207,0	0.08	7.80e-03	0.01	204,15,207	0.22	204	0.87	0.06	0.94
	0.09	0.06	0.0	209,210,0	0.08	0.03	0.03	204,18,18			1.00	0.04	0.96
3420	0.05	0.03	0.0	204,207,0	0.04	4.51e-03	0.01	209,207,207	0.16	209	0.87	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.04	0.01	0.01	209,18,18			1.00	0.04	0.96
3421	0.05	0.03	0.0	204,207,0	0.08	4.51e-03	0.01	209,207,207	0.22	209	0.87	0.06	0.94
	0.05	0.04	0.0	16,22,0	0.08	0.03	0.03	209,18,18			1.00	0.04	0.96
3422	0.02	9.43e-03	0.0	52,204,0	7.99e-03	6.52e-03	6.52e-03	210,19,19	0.07	210	0.87	0.06	0.94
	0.11	0.08	0.0	19,18,0	7.99e-03	0.03	0.03	210,18,18			1.00	0.04	0.96
3423	0.02	3.84e-03	0.0	52,204,0	7.99e-03	6.52e-03	6.52e-03	210,19,19	0.07	210	0.87	0.06	0.94
	0.03	0.03	0.0	19,19,0	7.99e-03	8.47e-03	8.47e-03	210,19,19			1.00	0.04	0.96
3424	0.03	0.02	0.0	207,204,0	0.07	3.35e-03	6.14e-03	204,207,204	0.20	204	0.87	0.06	0.94
	0.14	0.10	0.0	15,18,0	0.07	0.04	0.04	204,18,18			1.00	0.04	0.96
3425	0.03	0.02	0.0	207,204,0	0.08	2.76e-03	5.50e-03	204,207,204	0.22	204	0.87	0.06	0.94
	0.14	0.10	0.0	15,18,0	0.08	0.04	0.04	204,18,18			1.00	0.04	0.96
3426	0.02	0.01	0.0	229,204,0	0.09	2.94e-03	5.50e-03	204,210,204	0.22	204	0.87	0.06	0.94
	0.12	0.09	0.0	16,18,0	0.09	0.04	0.04	204,18,18			1.00	0.04	0.96
3427	0.04	0.04	0.0	207,204,0	0.05	4.51e-03	7.35e-03	209,207,204	0.17	209	0.87	0.06	0.94
	0.06	0.05	0.0	207,204,0	0.05	7.76e-03	7.76e-03	209,15,15			1.00	0.04	0.96
3428	0.04	0.04	0.0	207,204,0	0.09	4.51e-03	7.35e-03	209,207,204	0.22	209	0.87	0.06	0.94
	0.06	0.05	0.0	207,204,0	0.09	0.02	0.02	209,19,19			1.00	0.04	0.96
3429	0.06	0.06	0.0	207,204,0	0.05	6.29e-03	7.71e-03	209,22,16	0.17	209	0.87	0.06	0.94
	0.07	0.05	0.0	207,204,0	0.05	4.77e-03	4.77e-03	209,15,15			1.00	0.04	0.96
3430	0.06	0.06	0.0	207,204,0	0.09	6.29e-03	7.71e-03	209,22,16	0.22	209	0.87	0.06	0.94
	0.07	0.05	0.0	207,204,0	0.09	0.02	0.02	209,19,19			1.00	0.04	0.96
3431	0.06	0.06	0.0	207,204,0	2.57e-03	6.29e-03	7.71e-03	209,22,16	0.04	209	0.87	0.06	0.94
	0.07	0.05	0.0	207,204,0	2.56e-03	1.37e-03	1.37e-03	209,19,19			1.00	0.04	0.96
3432	0.06	0.06	0.0	207,204,0	0.01	6.29e-03	7.71e-03	209,22,16	0.09	209	0.87	0.06	0.94
	0.07	0.05	0.0	207,204,0	0.01	5.19e-03	5.19e-03	209,16,16			1.00	0.04	0.96
3433	0.02	0.02	0.0	229,230,0	0.09	2.94e-03	4.46e-03	204,210,230	0.22	204	0.87	0.06	0.94
	0.10	0.07	0.0	19,19,0	0.09	0.04	0.04	204,19,19			1.00	0.04	0.96
3434	0.02	0.02	0.0	229,230,0	0.09	4.52e-03	7.16e-03	209,18,230	0.22	209	0.87	0.06	0.94
	0.07	0.06	0.0	22,15,0	0.09	0.03	0.03	209,19,19			1.00	0.04	0.96
3435	0.02	0.02	0.0	229,230,0	0.01	4.52e-03	7.16e-03	204,18,230	0.09	204	0.87	0.06	0.94
	0.06	0.05	0.0	207,204,0	0.01	8.14e-03	8.14e-03	204,16,16			1.00	0.04	0.96
3436	0.02	7.61e-03	0.0	52,210,0	7.69e-03	6.52e-03	6.52e-03	204,19,19	0.07	204	0.87	0.06	0.94
	0.12	0.08	0.0	207,18,0	7.69e-03	0.04	0.04	204,18,18			1.00	0.04	0.96
3437	0.02	2.47e-03	0.0	52,20,0	7.69e-03	6.52e-03	6.52e-03	204,19,19	0.07	204	0.87	0.06	0.94
	0.03	0.03	0.0	19,19,0	7.69e-03	8.50e-03	8.50e-03	204,19,19			1.00	0.04	0.96
3438	0.03	0.02	0.0	209,210,0	0.07	3.44e-03	6.28e-03	207,209,210	0.20	207	0.87	0.06	0.94
	0.14	0.10	0.0	15,18,0	0.07	0.04	0.04	207,18,18			1.00	0.04	0.96
3439	0.03	0.02	0.0	209,210,0	0.08	2.78e-03	5.45e-03	210,209,210	0.22	210	0.87	0.06	0.94
	0.14	0.10	0.0	15,18,0	0.08	0.04	0.04	210,18,18			1.00	0.04	0.96
3440	0.02	0.01	0.0	229,230,0	0.08	2.97e-03	5.45e-03	207,204,210	0.22	207	0.87	0.06	0.94
	0.12	0.09	0.0	16,18,0	0.08	0.04	0.04	207,18,18			1.00	0.04	0.96
3441	0.06	0.05	0.0	210,209,0	7.33e-03	0.01	0.02	204,15,209	0.07	204	0.87	0.06	0.94
	0.14	0.09	0.0	207,204,0	7.33e-03	0.02	0.02	204,18,18			1.00	0.04	0.96
3442	0.03	0.02	0.0	210,209,0	7.33e-03	0.01	0.01	204,15,15	0.07	204	0.87	0.06	0.94
	0.03	0.02	0.0	229,230,0	7.33e-03	7.28e-03	7.28e-03	204,19,19			1.00	0.04	0.96
3443	0.11	0.09	0.0	210,209,0	0.08	7.78e-03	0.02	207,16,209	0.21	207	0.87	0.06	0.94
	0.14	0.09	0.0	207,204,0	0.08	0.03	0.03	207,18,18			1.00	0.04	0.96
3444	0.11	0.09	0.0	210,209,0	0.08	7.78e-03	0.02	207,16,209	0.22	207	0.87	0.06	0.94
	0.11	0.07	0.0	207,204,0	0.08	0.03	0.03	207,18,18			1.00	0.04	0.96
3445	0.07	0.05	0.0	210,209,0	0.08	4.64e-03	0.01	207,209,209	0.22	207	0.87	0.06	0.94
	0.05	0.04	0.0	15,22,0	0.08	0.03	0.03	207,18,18			1.00	0.04	0.96
3446	0.06	0.05	0.0	210,209,0	9.86e-04	0.01	0.02	49,15,209	0.02	49	0.87	0.06	0.94
	0.14	0.09	0.0	207,204,0	9.86e-04	0.02	0.02	49,19,19			1.00	0.04	0.96
3447	0.03	0.02	0.0	210,209,0	9.86e-04	0.01	0.01	49,15,15	0.02	49	0.87	0.06	0.94
	0.03	0.02	0.0	229,230,0	9.86e-04	4.67e-03	4.67e-03	49,207,207			1.00	0.04	0.96
3448	0.11	0.09	0.0	210,209,0	0.08	7.78e-03	0.02	207,16,209	0.21	207	0.87	0.06	0.94
	0.14	0.09	0.0	207,204,0	0.08	0.02	0.02	207,18,18			1.00	0.04	0.96
3449	0.11	0.09	0.0	210,209,0	0.08	7.78e-03	0.02	207,16,209	0.21	207	0.87	0.06	0.94
	0.11	0.07	0.0	207,204,0	0.08	0.02	0.02	207,18,18			1.00	0.04	0.96
3450	0.07	0.05	0.0	210,209,0	0.05	4.64e-03	0.01	207,209,209	0.16	207	0.87	0.06	0.94
	0.03	0.02	0.0	204,207,0	0.05	0.01	0.01	207,18,18			1.00	0.04	0.96
3451	0.02	0.01	0.0	229,230,0	0.08	2.97e-03	4.09e-03	207,204,210	0.22	207	0.87	0.06	0.94
	0.10	0.07	0.0	19,19,0	0.08	0.04	0.04	207,19,19			1.00	0.04	0.96
3452	0.02	0.01	0.0	229,230,0	0.08	4.59e-03	5.89e-03	207,18,232	0.21	207	0.87	0.06	0.94
	0.07	0.05	0.0	22,15,0	0.08	0.03	0.03	207,19,19			1.00	0.04	0.96

3453	0.01	0.01	0.0 235,230,0	0.01	4.59e-03	5.89e-03	207,18,232	0.09	207	0.87	0.06	0.94
	0.03	0.03	0.0 209,210,0	0.01	7.99e-03	7.99e-03	207,16,16			1.00	0.04	0.96
3454	0.03	0.02	0.0 210,209,0	0.08	4.64e-03	8.84e-03	207,209,209	0.22	207	0.87	0.06	0.94
	0.04	0.03	0.0 19,210,0	0.08	0.02	0.02	207,19,19			1.00	0.04	0.96
3455	0.04	0.03	0.0 209,210,0	0.08	6.35e-03	7.63e-03	207,18,17	0.21	207	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.08	0.02	0.02	207,19,19			1.00	0.04	0.96
3456	0.04	0.03	0.0 209,210,0	0.01	6.35e-03	7.63e-03	207,18,17	0.09	207	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.01	5.16e-03	5.16e-03	207,16,16			1.00	0.04	0.96
3457	0.03	0.02	0.0 210,209,0	0.04	4.64e-03	8.84e-03	207,209,209	0.15	207	0.87	0.06	0.94
	0.04	0.03	0.0 209,210,0	0.04	7.74e-03	7.74e-03	207,19,19			1.00	0.04	0.96
3458	0.04	0.03	0.0 209,210,0	0.04	6.35e-03	7.63e-03	207,18,17	0.15	207	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	0.04	4.73e-03	4.73e-03	207,20,20			1.00	0.04	0.96
3459	0.04	0.03	0.0 209,210,0	1.36e-03	6.35e-03	7.63e-03	210,18,17	0.03	210	0.87	0.06	0.94
	0.05	0.04	0.0 209,210,0	1.36e-03	1.40e-03	1.40e-03	210,19,19			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.10	0.0	0.09	0.04	0.04	0.22

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
94	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.29	kN 2.7	177	0.14	kN -1.3	177	0.20	kN 202.2	kN m -3.437e+04	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3460	0.04	0.03	0.0 18,19,0	2.84e-03	0.06	0.06	210,19,19	0.04	210	0.87	0.06	0.94	
3461	0.02	0.02	0.0 223,220,0	2.83e-03	6.29e-03	6.29e-03	210,18,18			1.00	0.04	0.96	
	0.13	0.09	0.0 18,19,0	2.84e-03	0.07	0.07	210,18,18	0.04	210	0.87	0.06	0.94	
3462	0.03	0.03	0.0 229,230,0	2.83e-03	6.29e-03	6.29e-03	210,18,18			1.00	0.04	0.96	
	0.13	0.10	0.0 18,18,0	2.84e-03	0.07	0.11	210,18,18	0.04	210	0.87	0.06	0.94	
3463	0.03	0.03	0.0 229,230,0	2.83e-03	6.30e-03	6.30e-03	210,18,18			1.00	0.04	0.96	
	0.04	0.03	0.0 18,18,0	2.84e-03	0.06	0.08	210,22,18	0.04	210	0.87	0.06	0.94	
3464	0.02	0.02	0.0 223,220,0	2.83e-03	6.30e-03	6.30e-03	210,18,18			1.00	0.04	0.96	
	0.19	0.14	0.0 18,19,0	0.09	0.07	0.07	209,18,18	0.23	209	0.87	0.06	0.94	
3465	0.03	0.03	0.0 229,230,0	0.09	6.57e-03	6.57e-03	209,18,18			1.00	0.04	0.96	
	0.19	0.14	0.0 18,18,0	0.09	0.07	0.11	209,18,18	0.23	209	0.87	0.06	0.94	
3466	0.03	0.03	0.0 229,230,0	0.09	6.58e-03	6.58e-03	209,18,18			1.00	0.04	0.96	
	0.20	0.14	0.0 18,19,0	0.09	0.02	0.07	209,18,19	0.23	209	0.87	0.06	0.94	
3467	0.02	0.02	0.0 209,210,0	0.09	6.57e-03	6.57e-03	209,18,18			1.00	0.04	0.96	
	0.20	0.15	0.0 18,18,0	0.09	0.02	0.08	209,18,18	0.23	209	0.87	0.06	0.94	
3468	0.02	0.02	0.0 209,210,0	0.09	6.58e-03	6.58e-03	209,18,18			1.00	0.04	0.96	
	0.20	0.14	0.0 18,19,0	0.09	0.03	0.09	209,16,15	0.23	209	0.87	0.06	0.94	
3469	7.06e-03	5.77e-03	0.0 210,209,0	0.09	4.76e-04	4.76e-04	209,220,220			1.00	0.04	0.96	
	0.20	0.15	0.0 18,18,0	0.09	0.03	0.09	209,18,15	0.23	209	0.87	0.06	0.94	
3470	7.06e-03	5.77e-03	0.0 210,209,0	0.09	4.76e-04	4.76e-04	209,220,220			1.00	0.04	0.96	
	0.13	0.10	0.0 19,18,0	1.67e-03	0.07	0.11	209,18,18	0.03	209	0.87	0.06	0.94	
3471	0.02	0.02	0.0 229,230,0	1.67e-03	6.30e-03	6.30e-03	209,18,18			1.00	0.04	0.96	
	0.04	0.03	0.0 19,18,0	1.67e-03	0.06	0.08	209,22,18	0.03	209	0.87	0.06	0.94	
3472	0.02	0.02	0.0 229,230,0	1.67e-03	6.30e-03	6.30e-03	209,18,18			1.00	0.04	0.96	
	0.18	0.14	0.0 19,18,0	0.09	0.07	0.11	209,18,18	0.23	209	0.87	0.06	0.94	
3473	8.92e-03	0.02	0.0 229,230,0	0.09	6.58e-03	6.58e-03	209,18,18			1.00	0.04	0.96	
	0.20	0.15	0.0 19,18,0	0.09	0.02	0.08	209,19,18	0.23	209	0.87	0.06	0.94	
3474	3.05e-03	0.01	0.0 19,18,0	0.09	6.58e-03	6.58e-03	209,18,18			1.00	0.04	0.96	
	0.20	0.15	0.0 19,18,0	0.09	0.03	0.09	209,18,16	0.23	209	0.87	0.06	0.94	
3475	3.39e-03	3.74e-03	0.0 17,18,0	0.09	4.75e-04	4.75e-04	209,229,229			1.00	0.04	0.96	
	0.18	0.13	0.0 22,15,0	0.09	0.05	0.09	209,18,18	0.23	209	0.87	0.06	0.94	
3476	0.01	6.14e-03	0.0 210,209,0	0.09	2.24e-04	2.24e-04	209,18,18			1.00	0.04	0.96	
	0.18	0.13	0.0 21,15,0	0.09	0.05	0.09	209,18,18	0.23	209	0.87	0.06	0.94	
3477	0.01	6.14e-03	0.0 210,209,0	0.09	2.24e-04	2.24e-04	209,18,18			1.00	0.04	0.96	
	0.12	0.09	0.0 19,18,0	0.09	0.07	0.09	209,18,18	0.23	209	0.87	0.06	0.94	
3478	0.01	7.26e-03	0.0 223,220,0	0.09	1.47e-03	1.47e-03	209,18,18			1.00	0.04	0.96	
	0.13	0.11	0.0 18,210,0	0.09	0.07	0.09	209,18,18	0.23	209	0.87	0.06	0.94	
3479	0.01	7.26e-03	0.0 229,220,0	0.09	1.47e-03	1.47e-03	209,18,18			1.00	0.04	0.96	
	0.10	0.09	0.0 210,209,0	8.41e-04	0.07	0.09	18,18,18	0.02	209	0.87	0.06	0.94	
3480	0.01	7.26e-03	0.0 223,220,0	4.69e-04	1.47e-03	1.47e-03	209,18,18			1.00	0.04	0.96	
	0.13	0.11	0.0 209,210,0	8.41e-04	0.07	0.09	18,18,18	0.02	204	0.87	0.06	0.94	
3481	0.01	7.26e-03	0.0 229,220,0	4.92e-04	1.47e-03	1.47e-03	204,18,18			1.00	0.04	0.96	
	0.18	0.13	0.0 21,16,0	0.09	0.05	0.09	209,18,16	0.23	209	0.87	0.06	0.94	

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2723 DI 2790

	9.85e-03	5.33e-03	0.0	204,207,0	0.09	2.24e-04	2.24e-04	209,18,18			1.00	0.04	0.96
3482	0.13	0.11	0.0	18,210,0	0.09	0.07	0.07	209,18,18	0.23	209	0.87	0.06	0.94
	0.01	7.04e-03	0.0	229,230,0	0.09	1.47e-03	1.47e-03	209,18,18			1.00	0.04	0.96
3483	0.13	0.11	0.0	209,210,0	5.55e-04	0.07	0.07	18,18,18	0.02	204	0.87	0.06	0.94
	0.01	7.04e-03	0.0	229,230,0	4.92e-04	1.47e-03	1.47e-03	204,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.20	0.15	0.0		0.09	0.07	0.11		0.23				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
95	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.38	-14.2	177	0.54	19.9	172	0.26	904.3	-1.832e+05	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3246	0.02	0.0	0.0	52,0,0	9.21e-03	2.87e-03	2.87e-03	204,44,44	0.07	204	0.87	0.06	0.94
	0.11	0.09	0.0	15,18,0	9.21e-03	0.04	0.04	204,18,18			1.00	0.04	0.96
3247	0.02	0.0	0.0	52,0,0	9.21e-03	2.87e-03	2.87e-03	204,44,44	0.07	204	0.87	0.06	0.94
	0.04	0.03	0.0	19,22,0	9.21e-03	8.50e-03	8.50e-03	204,19,19			1.00	0.04	0.96
3248	0.02	1.75e-03	0.0	52,226,0	0.08	1.87e-03	1.87e-03	204,210,210	0.22	204	0.87	0.06	0.94
	0.14	0.10	0.0	15,18,0	0.08	0.04	0.04	204,18,18			1.00	0.04	0.96
3249	0.02	7.26e-03	0.0	223,226,0	0.09	2.14e-03	3.02e-03	204,220,222	0.24	204	0.87	0.06	0.94
	0.14	0.10	0.0	15,18,0	0.09	0.04	0.04	204,18,18			1.00	0.04	0.96
3250	0.02	0.01	0.0	225,226,0	0.10	2.14e-03	4.07e-03	204,220,226	0.24	204	0.87	0.06	0.94
	0.13	0.09	0.0	16,18,0	0.10	0.04	0.04	204,18,18			1.00	0.04	0.96
3257	0.02	0.02	0.0	225,226,0	0.10	2.07e-03	4.07e-03	204,220,226	0.24	204	0.87	0.06	0.94
	0.10	0.07	0.0	16,15,0	0.10	0.04	0.04	204,19,19			1.00	0.04	0.96
3258	0.02	0.02	0.0	225,226,0	0.09	3.93e-03	6.48e-03	204,220,230	0.23	204	0.87	0.06	0.94
	0.07	0.06	0.0	22,15,0	0.09	0.03	0.03	204,15,15			1.00	0.04	0.96
3259	0.02	0.02	0.0	225,226,0	0.02	3.93e-03	6.48e-03	204,220,230	0.10	204	0.87	0.06	0.94
	0.04	0.03	0.0	207,209,0	0.02	8.20e-03	8.20e-03	204,15,15			1.00	0.04	0.96
3484	0.02	0.01	0.0	204,207,0	1.41e-03	0.01	0.01	210,18,18	0.03	210	0.87	0.06	0.94
	0.03	0.02	0.0	223,220,0	1.41e-03	4.59e-03	4.59e-03	210,19,19			1.00	0.04	0.96
3485	0.05	0.03	0.0	204,207,0	1.41e-03	0.01	0.01	210,18,207	0.03	210	0.87	0.06	0.94
	0.13	0.08	0.0	209,210,0	1.41e-03	0.02	0.02	210,19,19			1.00	0.04	0.96
3486	0.05	0.03	0.0	204,207,0	5.63e-03	0.01	0.01	210,18,207	0.06	210	0.87	0.06	0.94
	0.13	0.08	0.0	209,210,0	5.63e-03	0.02	0.02	210,19,19			1.00	0.04	0.96
3487	0.02	0.01	0.0	204,207,0	5.63e-03	0.01	0.01	210,18,18	0.06	210	0.87	0.06	0.94
	0.03	0.02	0.0	223,220,0	5.63e-03	7.22e-03	7.22e-03	210,19,19			1.00	0.04	0.96
3488	0.09	0.07	0.0	204,207,0	0.07	7.93e-03	0.01	209,18,207	0.21	209	0.87	0.06	0.94
	0.13	0.08	0.0	209,210,0	0.07	0.02	0.02	209,19,19			1.00	0.04	0.96
3489	0.09	0.07	0.0	204,207,0	0.08	7.93e-03	0.01	204,18,207	0.22	204	0.87	0.06	0.94
	0.13	0.08	0.0	209,210,0	0.08	0.03	0.03	204,19,19			1.00	0.04	0.96
3490	0.09	0.07	0.0	204,207,0	0.07	7.93e-03	0.01	209,18,207	0.21	209	0.87	0.06	0.94
	0.10	0.06	0.0	209,210,0	0.07	0.02	0.02	209,19,19			1.00	0.04	0.96
3491	0.09	0.07	0.0	204,207,0	0.09	7.93e-03	0.01	204,18,207	0.23	204	0.87	0.06	0.94
	0.10	0.06	0.0	209,210,0	0.09	0.03	0.03	204,16,16			1.00	0.04	0.96
3492	0.05	0.03	0.0	204,207,0	0.05	4.63e-03	0.01	204,204,207	0.17	204	0.87	0.06	0.94
	0.03	0.02	0.0	210,209,0	0.05	0.01	0.01	204,15,15			1.00	0.04	0.96
3493	0.05	0.03	0.0	204,207,0	0.10	4.63e-03	0.01	204,204,207	0.24	204	0.87	0.06	0.94
	0.05	0.04	0.0	16,21,0	0.10	0.03	0.03	204,16,16			1.00	0.04	0.96
3494	0.02	0.01	0.0	52,204,0	5.63e-03	6.62e-03	6.62e-03	210,19,19	0.06	210	0.87	0.06	0.94
	0.11	0.08	0.0	19,22,0	5.63e-03	0.03	0.03	210,18,18			1.00	0.04	0.96
3495	0.02	4.04e-03	0.0	52,220,0	5.63e-03	6.62e-03	6.62e-03	210,19,19	0.06	210	0.87	0.06	0.94
	0.04	0.03	0.0	19,19,0	5.63e-03	8.49e-03	8.49e-03	210,19,19			1.00	0.04	0.96
3496	0.03	0.02	0.0	207,204,0	0.08	3.19e-03	6.43e-03	204,204,204	0.22	204	0.87	0.06	0.94
	0.14	0.09	0.0	15,22,0	0.08	0.04	0.04	204,19,19			1.00	0.04	0.96
3497	0.03	0.02	0.0	207,204,0	0.09	2.69e-03	5.84e-03	204,207,204	0.24	204	0.87	0.06	0.94
	0.14	0.09	0.0	15,22,0	0.09	0.04	0.04	204,18,18			1.00	0.04	0.96
3498	0.02	0.01	0.0	225,226,0	0.10	2.84e-03	5.84e-03	204,210,204	0.24	204	0.87	0.06	0.94
	0.12	0.09	0.0	16,21,0	0.10	0.04	0.04	204,18,18			1.00	0.04	0.96
3499	0.04	0.04	0.0	207,204,0	0.06	4.63e-03	7.53e-03	209,204,204	0.18	209	0.87	0.06	0.94
	0.06	0.05	0.0	207,204,0	0.06	7.85e-03	7.85e-03	209,18,18			1.00	0.04	0.96
3500	0.04	0.04	0.0	207,204,0	0.10	4.63e-03	7.53e-03	209,204,204	0.24	209	0.87	0.06	0.94
	0.06	0.05	0.0	207,204,0	0.10	0.02	0.02	209,15,15			1.00	0.04	0.96
3501	0.06	0.06	0.0	207,204,0	0.06	6.18e-03	7.71e-03	209,22,16	0.18	209	0.87	0.06	0.94
	0.08	0.06	0.0	207,204,0	0.06	4.98e-03	4.98e-03	209,18,18			1.00	0.04	0.96

3502	0.06	0.06	0.0 207,204,0	0.10	6.18e-03	7.71e-03 209,22,16	0.24	209	0.87	0.06	0.94
	0.08	0.06	0.0 207,204,0	0.10	0.02	0.02 209,17,17			1.00	0.04	0.96
3503	0.06	0.06	0.0 207,204,0	3.04e-03	6.18e-03	7.71e-03 209,22,16	0.04	209	0.87	0.06	0.94
	0.08	0.06	0.0 207,204,0	3.04e-03	1.39e-03	1.39e-03 209,19,19			1.00	0.04	0.96
3504	0.06	0.06	0.0 207,204,0	0.02	6.18e-03	7.71e-03 209,22,16	0.10	209	0.87	0.06	0.94
	0.08	0.06	0.0 207,204,0	0.02	5.30e-03	5.30e-03 209,17,17			1.00	0.04	0.96
3505	0.02	0.02	0.0 225,226,0	0.10	2.84e-03	4.43e-03 204,210,204	0.24	204	0.87	0.06	0.94
	0.10	0.07	0.0 16,15,0	0.10	0.04	0.04 204,19,19			1.00	0.04	0.96
3506	0.02	0.02	0.0 225,226,0	0.10	4.37e-03	6.48e-03 209,18,230	0.24	209	0.87	0.06	0.94
	0.07	0.06	0.0 22,15,0	0.10	0.03	0.03 209,15,15			1.00	0.04	0.96
3507	0.02	0.02	0.0 225,226,0	0.02	4.37e-03	6.48e-03 204,18,230	0.10	204	0.87	0.06	0.94
	0.07	0.05	0.0 207,204,0	0.02	8.20e-03	8.20e-03 204,15,15			1.00	0.04	0.96
3508	0.02	6.90e-03	0.0 52,210,0	9.21e-03	6.38e-03	6.38e-03 204,19,19	0.07	204	0.87	0.06	0.94
	0.11	0.09	0.0 15,18,0	9.21e-03	0.04	0.04 204,18,18			1.00	0.04	0.96
3509	0.02	2.49e-03	0.0 52,20,0	9.21e-03	6.38e-03	6.38e-03 204,19,19	0.07	204	0.87	0.06	0.94
	0.04	0.03	0.0 19,22,0	9.21e-03	8.50e-03	8.50e-03 204,19,19			1.00	0.04	0.96
3510	0.02	0.02	0.0 209,210,0	0.06	3.62e-03	5.85e-03 207,209,210	0.19	207	0.87	0.06	0.94
	0.14	0.10	0.0 15,18,0	0.06	0.04	0.04 207,18,18			1.00	0.04	0.96
3511	0.02	0.02	0.0 209,210,0	0.07	2.85e-03	5.03e-03 210,209,210	0.20	210	0.87	0.06	0.94
	0.14	0.10	0.0 15,18,0	0.07	0.04	0.04 210,18,18			1.00	0.04	0.96
3512	0.02	0.01	0.0 229,230,0	0.07	3.08e-03	5.03e-03 207,204,210	0.20	207	0.87	0.06	0.94
	0.13	0.09	0.0 16,18,0	0.07	0.04	0.04 207,18,18			1.00	0.04	0.96
3513	0.06	0.05	0.0 210,209,0	8.87e-03	0.01	0.02 209,19,209	0.07	209	0.87	0.06	0.94
	0.12	0.09	0.0 207,204,0	8.87e-03	0.02	0.02 209,18,18			1.00	0.04	0.96
3514	0.03	0.02	0.0 210,209,0	8.87e-03	0.01	0.01 209,19,21	0.07	209	0.87	0.06	0.94
	0.03	0.02	0.0 229,230,0	8.87e-03	7.33e-03	7.33e-03 209,19,19			1.00	0.04	0.96
3515	0.10	0.09	0.0 210,209,0	0.07	7.70e-03	0.02 204,19,209	0.20	204	0.87	0.06	0.94
	0.12	0.09	0.0 207,204,0	0.07	0.03	0.03 204,18,18			1.00	0.04	0.96
3516	0.10	0.09	0.0 210,209,0	0.07	7.70e-03	0.02 207,19,209	0.20	207	0.87	0.06	0.94
	0.10	0.07	0.0 207,204,0	0.07	0.03	0.03 207,18,18			1.00	0.04	0.96
3517	0.06	0.06	0.0 210,209,0	0.07	4.77e-03	0.01 207,209,209	0.20	207	0.87	0.06	0.94
	0.05	0.04	0.0 15,18,0	0.07	0.03	0.03 207,18,18			1.00	0.04	0.96
3518	0.06	0.05	0.0 210,209,0	1.13e-03	0.01	0.02 49,19,209	0.03	49	0.87	0.06	0.94
	0.12	0.09	0.0 207,204,0	1.13e-03	0.02	0.02 49,18,18			1.00	0.04	0.96
3519	0.03	0.02	0.0 210,209,0	1.13e-03	0.01	0.01 49,19,21	0.03	49	0.87	0.06	0.94
	0.03	0.02	0.0 229,230,0	1.13e-03	4.69e-03	4.69e-03 49,18,18			1.00	0.04	0.96
3520	0.10	0.09	0.0 210,209,0	0.07	7.70e-03	0.02 204,19,209	0.20	204	0.87	0.06	0.94
	0.12	0.09	0.0 207,204,0	0.07	0.02	0.02 204,18,18			1.00	0.04	0.96
3521	0.10	0.09	0.0 210,209,0	0.07	7.70e-03	0.02 204,19,209	0.20	204	0.87	0.06	0.94
	0.10	0.07	0.0 207,204,0	0.07	0.02	0.02 204,18,18			1.00	0.04	0.96
3522	0.06	0.06	0.0 210,209,0	0.04	4.77e-03	0.01 204,209,209	0.16	204	0.87	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.04	0.01	0.01 204,18,18			1.00	0.04	0.96
3523	0.02	0.02	0.0 225,226,0	0.07	3.08e-03	4.07e-03 207,204,226	0.20	207	0.87	0.06	0.94
	0.10	0.07	0.0 19,19,0	0.07	0.04	0.04 207,19,19			1.00	0.04	0.96
3524	0.02	0.02	0.0 225,226,0	0.07	4.67e-03	6.36e-03 207,18,226	0.20	207	0.87	0.06	0.94
	0.06	0.05	0.0 22,15,0	0.07	0.03	0.03 207,19,19			1.00	0.04	0.96
3525	0.01	0.02	0.0 225,226,0	0.01	4.67e-03	6.36e-03 207,18,226	0.08	207	0.87	0.06	0.94
	0.03	0.02	0.0 209,210,0	0.01	7.94e-03	7.94e-03 207,19,19			1.00	0.04	0.96
3526	0.03	0.02	0.0 210,209,0	0.07	4.77e-03	8.94e-03 207,209,209	0.20	207	0.87	0.06	0.94
	0.04	0.03	0.0 19,19,0	0.07	0.02	0.02 207,19,19			1.00	0.04	0.96
3527	0.04	0.03	0.0 209,210,0	0.07	6.41e-03	6.41e-03 207,18,18	0.20	207	0.87	0.06	0.94
	0.05	0.03	0.0 209,210,0	0.07	0.02	0.02 207,19,19			1.00	0.04	0.96
3528	0.04	0.03	0.0 209,210,0	0.01	6.41e-03	6.41e-03 207,18,18	0.08	207	0.87	0.06	0.94
	0.05	0.03	0.0 209,210,0	0.01	5.10e-03	5.10e-03 207,19,19			1.00	0.04	0.96
3529	0.03	0.02	0.0 210,209,0	0.04	4.77e-03	8.94e-03 204,209,209	0.15	204	0.87	0.06	0.94
	0.04	0.03	0.0 209,210,0	0.04	7.69e-03	7.69e-03 204,19,19			1.00	0.04	0.96
3530	0.04	0.03	0.0 209,210,0	0.03	6.41e-03	6.41e-03 204,18,18	0.14	204	0.87	0.06	0.94
	0.05	0.03	0.0 209,210,0	0.03	4.62e-03	4.62e-03 204,19,19			1.00	0.04	0.96
3531	0.04	0.03	0.0 209,210,0	9.98e-04	6.41e-03	6.41e-03 207,18,18	0.02	207	0.87	0.06	0.94
	0.05	0.03	0.0 209,210,0	9.97e-04	1.38e-03	1.38e-03 207,19,19			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.10	0.0	0.10	0.04	0.04	0.24

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
96	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.28	2.6	172	0.15	-1.4	177	0.21	200.2	-3.579e+04	204

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3532	0.05	0.03	0.0	18,19,0	2.52e-03	0.06	0.06	204,19,19	0.04	204	0.87	0.06	0.94
	0.01	0.01	0.0	223,16,0	2.52e-03	6.25e-03	6.25e-03	204,18,18			1.00	0.04	0.96
3533	0.14	0.09	0.0	18,19,0	2.52e-03	0.07	0.07	204,19,19	0.04	204	0.87	0.06	0.94
	0.03	0.03	0.0	205,206,0	2.52e-03	6.25e-03	6.25e-03	204,18,18			1.00	0.04	0.96
3534	0.14	0.10	0.0	18,18,0	2.52e-03	0.07	0.11	204,18,18	0.04	204	0.87	0.06	0.94
	0.03	0.03	0.0	205,206,0	2.52e-03	6.47e-03	6.47e-03	204,18,18			1.00	0.04	0.96
3535	0.05	0.03	0.0	18,18,0	2.52e-03	0.06	0.08	204,18,18	0.04	204	0.87	0.06	0.94
	0.01	0.01	0.0	223,16,0	2.52e-03	6.47e-03	6.47e-03	204,18,18			1.00	0.04	0.96
3536	0.20	0.13	0.0	18,19,0	0.09	0.07	0.07	204,19,19	0.23	204	0.87	0.06	0.94
	0.03	0.03	0.0	205,206,0	0.09	6.62e-03	6.62e-03	204,15,15			1.00	0.04	0.96
3537	0.20	0.15	0.0	18,18,0	0.09	0.07	0.11	204,18,18	0.23	204	0.87	0.06	0.94
	0.03	0.03	0.0	205,206,0	0.09	6.77e-03	6.77e-03	204,18,18			1.00	0.04	0.96
3538	0.21	0.14	0.0	18,19,0	0.09	0.02	0.02	204,18,18	0.23	204	0.87	0.06	0.94
	0.03	0.02	0.0	209,210,0	0.09	6.62e-03	6.62e-03	204,15,15			1.00	0.04	0.96
3539	0.21	0.15	0.0	18,18,0	0.09	0.02	0.08	204,18,18	0.23	204	0.87	0.06	0.94
	0.03	0.02	0.0	209,210,0	0.09	6.77e-03	6.77e-03	204,18,18			1.00	0.04	0.96
3540	0.21	0.14	0.0	18,19,0	0.09	0.03	0.09	204,19,19	0.23	204	0.87	0.06	0.94
	7.41e-03	5.65e-03	0.0	210,209,0	0.09	6.58e-04	6.58e-04	204,220,220			1.00	0.04	0.96
3541	0.21	0.15	0.0	18,18,0	0.09	0.03	0.09	204,18,16	0.23	204	0.87	0.06	0.94
	7.41e-03	5.65e-03	0.0	210,209,0	0.09	6.58e-04	6.58e-04	204,220,220			1.00	0.04	0.96
3542	0.13	0.10	0.0	19,18,0	1.55e-03	0.07	0.11	204,18,18	0.03	204	0.87	0.06	0.94
	0.01	0.01	0.0	229,230,0	1.55e-03	6.47e-03	6.47e-03	204,18,18			1.00	0.04	0.96
3543	0.04	0.03	0.0	19,18,0	1.55e-03	0.06	0.08	204,18,18	0.03	204	0.87	0.06	0.94
	0.01	0.01	0.0	229,16,0	1.55e-03	6.47e-03	6.47e-03	204,18,18			1.00	0.04	0.96
3544	0.18	0.15	0.0	19,18,0	0.09	0.07	0.11	204,18,18	0.23	204	0.87	0.06	0.94
	5.75e-03	0.01	0.0	229,18,0	0.09	6.77e-03	6.77e-03	204,18,18			1.00	0.04	0.96
3545	0.19	0.15	0.0	19,18,0	0.09	0.02	0.08	204,19,18	0.23	204	0.87	0.06	0.94
	2.62e-03	0.01	0.0	19,18,0	0.09	6.77e-03	6.77e-03	204,18,18			1.00	0.04	0.96
3546	0.19	0.15	0.0	19,18,0	0.09	0.03	0.09	204,18,16	0.23	204	0.87	0.06	0.94
	3.55e-03	3.75e-03	0.0	18,18,0	0.09	5.66e-04	5.66e-04	204,221,221			1.00	0.04	0.96
3547	0.18	0.13	0.0	18,19,0	0.09	0.05	0.09	204,19,18	0.23	204	0.87	0.06	0.94
	9.58e-03	6.21e-03	0.0	207,204,0	0.09	2.26e-04	2.26e-04	204,18,18			1.00	0.04	0.96
3548	0.18	0.13	0.0	18,16,0	0.09	0.05	0.09	204,18,18	0.23	204	0.87	0.06	0.94
	0.01	6.21e-03	0.0	208,204,0	0.09	2.26e-04	2.26e-04	204,18,18			1.00	0.04	0.96
3549	0.12	0.10	0.0	19,18,0	0.09	0.07	0.09	204,19,18	0.23	204	0.87	0.06	0.94
	9.58e-03	6.21e-03	0.0	207,204,0	0.09	1.50e-03	1.50e-03	204,18,18			1.00	0.04	0.96
3550	0.13	0.10	0.0	18,207,0	0.09	0.07	0.09	204,18,18	0.23	204	0.87	0.06	0.94
	0.01	6.21e-03	0.0	208,204,0	0.09	1.50e-03	1.50e-03	204,18,18			1.00	0.04	0.96
3551	0.10	0.09	0.0	207,204,0	8.95e-04	0.07	0.09	18,19,18	0.02	209	0.87	0.06	0.94
	8.32e-03	5.57e-03	0.0	223,220,0	5.29e-04	1.50e-03	1.50e-03	209,18,18			1.00	0.04	0.96
3552	0.13	0.10	0.0	204,207,0	8.95e-04	0.07	0.09	18,18,18	0.02	209	0.87	0.06	0.94
	9.50e-03	5.57e-03	0.0	18,220,0	5.71e-04	1.50e-03	1.50e-03	209,18,18			1.00	0.04	0.96
3553	0.18	0.13	0.0	21,16,0	0.09	0.05	0.09	204,18,16	0.23	204	0.87	0.06	0.94
	0.01	4.81e-03	0.0	208,211,0	0.09	2.22e-04	2.22e-04	204,18,18			1.00	0.04	0.96
3554	0.13	0.10	0.0	18,207,0	0.09	0.07	0.07	204,18,18	0.23	204	0.87	0.06	0.94
	0.01	4.81e-03	0.0	208,211,0	0.09	1.38e-03	1.38e-03	204,18,18			1.00	0.04	0.96
3555	0.13	0.10	0.0	204,207,0	5.87e-04	0.07	0.07	18,18,18	0.02	209	0.87	0.06	0.94
	9.50e-03	4.22e-03	0.0	18,19,0	5.71e-04	1.38e-03	1.38e-03	209,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.21	0.15	0.0		0.09	0.07	0.11		0.23				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
97	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.39	6.8	178	0.52	9.0	172	0.22	437.7	7.265e+04	210

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3556	0.02	0.01	0.0	204,207,0	2.58e-03	0.02	0.02	210,18,18	0.04	210	0.87	0.06	0.94
	0.02	0.01	0.0	210,209,0	2.57e-03	5.48e-03	5.48e-03	210,209,209			1.00	0.04	0.96
3557	0.05	0.03	0.0	204,207,0	2.58e-03	0.02	0.02	210,18,207	0.04	210	0.87	0.06	0.94
	0.13	0.08	0.0	209,210,0	2.57e-03	0.01	0.01	210,19,19			1.00	0.04	0.96
3558	0.05	0.03	0.0	204,207,0	5.37e-03	0.02	0.02	210,18,207	0.06	210	0.87	0.06	0.94

	0.13	0.08	0.0 209,210,0	5.37e-03	0.02	0.02 210,19,19			1.00	0.04	0.96
3559	0.02	0.01	0.0 204,207,0	5.37e-03	0.02	0.02 210,18,18	0.06	210	0.87	0.06	0.94
	0.02	0.01	0.0 210,209,0	5.37e-03	5.48e-03	5.48e-03210,209,209			1.00	0.04	0.96
3560	0.08	0.05	0.0 204,207,0	0.08	0.01	0.02209,18,207	0.22	209	0.87	0.06	0.94
	0.13	0.08	0.0 209,210,0	0.08	0.02	0.02 209,19,19			1.00	0.04	0.96
3561	0.08	0.05	0.0 204,207,0	0.08	0.01	0.02209,18,207	0.22	209	0.87	0.06	0.94
	0.13	0.08	0.0 209,210,0	0.08	0.03	0.03 209,19,19			1.00	0.04	0.96
3562	0.08	0.05	0.0 204,207,0	0.08	7.24e-03	0.01209,204,207	0.22	209	0.87	0.06	0.94
	0.10	0.06	0.0 209,210,0	0.08	0.02	0.02 209,19,19			1.00	0.04	0.96
3563	0.08	0.05	0.0 204,207,0	0.09	7.24e-03	0.01204,204,207	0.23	204	0.87	0.06	0.94
	0.10	0.06	0.0 209,210,0	0.09	0.03	0.03 204,22,22			1.00	0.04	0.96
3564	0.04	0.02	0.0 204,207,0	0.07	7.24e-03	0.01209,204,207	0.20	209	0.87	0.06	0.94
	0.03	0.02	0.0 210,209,0	0.07	0.01	0.01 209,21,21			1.00	0.04	0.96
3565	0.04	0.02	0.0 204,207,0	0.10	7.24e-03	0.01204,204,207	0.24	204	0.87	0.06	0.94
	0.08	0.06	0.0 21,19,0	0.10	0.03	0.03 204,22,22			1.00	0.04	0.96
3566	0.03	0.02	0.0 207,204,0	5.37e-03	3.88e-03	5.18e-03210,19,204	0.06	210	0.87	0.06	0.94
	0.12	0.07	0.0 209,210,0	5.37e-03	0.02	0.02 210,19,19			1.00	0.04	0.96
3567	0.02	8.42e-03	0.0 210,209,0	5.37e-03	3.88e-03	3.88e-03 210,19,19	0.06	210	0.87	0.06	0.94
	0.02	0.01	0.0 210,209,0	5.37e-03	3.96e-03	3.96e-03210,209,209			1.00	0.04	0.96
3568	0.03	0.03	0.0 207,204,0	0.08	2.12e-03	5.18e-03204,220,204	0.22	204	0.87	0.06	0.94
	0.12	0.07	0.0 209,210,0	0.08	0.03	0.03 204,19,19			1.00	0.04	0.96
3569	0.03	0.03	0.0 207,204,0	0.09	2.05e-03	4.71e-03204,229,220	0.23	204	0.87	0.06	0.94
	0.10	0.06	0.0 209,210,0	0.09	0.03	0.03 204,22,22			1.00	0.04	0.96
3570	0.02	0.02	0.0 223,220,0	0.10	2.05e-03	4.12e-03204,229,204	0.24	204	0.87	0.06	0.94
	0.08	0.06	0.0 21,19,0	0.10	0.03	0.03 204,22,22			1.00	0.04	0.96
3571	0.04	0.03	0.0 210,209,0	0.07	6.71e-03	9.33e-03204,204,204	0.20	204	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.07	9.87e-03	9.87e-03 204,18,18			1.00	0.04	0.96
3572	0.04	0.03	0.0 210,209,0	0.10	6.71e-03	9.33e-03204,204,204	0.24	204	0.87	0.06	0.94
	0.07	0.05	0.0 18,204,0	0.10	0.03	0.03 204,18,18			1.00	0.04	0.96
3573	0.05	0.05	0.0 210,209,0	0.07	9.34e-03	0.01 204,19,20	0.20	204	0.87	0.06	0.94
	0.07	0.06	0.0 207,204,0	0.07	7.50e-03	7.50e-03204,204,204			1.00	0.04	0.96
3574	0.05	0.05	0.0 210,209,0	0.09	9.34e-03	0.01 204,19,20	0.23	204	0.87	0.06	0.94
	0.07	0.06	0.0 207,204,0	0.09	0.03	0.03 204,18,18			1.00	0.04	0.96
3575	0.05	0.05	0.0 210,209,0	3.20e-03	9.34e-03	0.01 204,19,20	0.04	204	0.87	0.06	0.94
	0.07	0.06	0.0 207,204,0	3.19e-03	2.11e-03	2.11e-03204,204,204			1.00	0.04	0.96
3576	0.05	0.05	0.0 210,209,0	0.01	9.34e-03	0.01 204,19,20	0.08	204	0.87	0.06	0.94
	0.07	0.06	0.0 207,204,0	0.01	9.94e-03	9.94e-03204,229,229			1.00	0.04	0.96
3577	0.03	0.03	0.0 209,210,0	0.10	1.93e-03	4.27e-03204,229,210	0.24	204	0.87	0.06	0.94
	0.07	0.05	0.0 18,204,0	0.10	0.03	0.03 204,18,18			1.00	0.04	0.96
3578	0.03	0.03	0.0 209,210,0	0.09	4.26e-03	7.76e-03204,229,230	0.23	204	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.09	0.03	0.03 204,18,18			1.00	0.04	0.96
3579	0.03	0.03	0.0 209,210,0	0.01	4.26e-03	7.76e-03204,229,230	0.08	204	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.01	9.94e-03	9.94e-03204,229,229			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.13	0.08	0.0	0.10	0.03	0.03	0.24				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
98	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm 16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.93	-229.3	194	0.73	-180.8	194	0.73	-6724.1	-3.989e+06	226

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
648	0.11	0.13	0.0 223,220,0		0.26	2.07e-03	0.02226,226,220		0.39	226	0.87	0.06	0.94
	0.05	0.04	0.0 223,220,0		0.26	1.93e-03	1.93e-03226,218,218				1.00	0.04	0.96
1337	0.01	0.08	0.0 214,52,0		0.22	7.51e-03	0.01225,210,209		0.36	225	0.87	0.06	0.94
	0.06	0.05	0.0 210,209,0		0.22	9.28e-03	9.28e-03225,210,210				1.00	0.04	0.96
1520	0.0	0.08	0.0 0,52,0		0.14	7.51e-03	0.01225,210,209		0.29	225	0.0	0.0	0.0
	0.06	0.05	0.0 210,209,0		0.14	9.28e-03	9.28e-03225,210,210				1.00	0.04	0.96
1523	0.0	0.07	0.0 0,52,0		0.14	3.99e-03	9.17e-03225,204,204		0.29	225	0.0	0.0	0.0
	0.03	0.03	0.0 210,209,0		0.14	2.64e-03	2.64e-03225,209,209				1.00	0.04	0.96
1526	0.0	0.07	0.0 0,52,0		0.14	4.33e-03	9.81e-03225,204,204		0.29	225	0.0	0.0	0.0
	0.02	0.02	0.0 207,204,0		0.14	1.17e-03	1.17e-03225,204,204				1.00	0.04	0.96
1529	0.0	0.08	0.0 0,52,0		0.13	4.65e-03	0.01225,204,209		0.28	225	0.0	0.0	0.0
	0.02	0.03	0.0 207,204,0		0.13	1.02e-03	1.02e-03225,207,207				1.00	0.04	0.96
1532	0.02	0.11	0.0 226,225,0		0.12	4.91e-03	0.01226,204,209		0.27	226	0.87	0.06	0.94
	0.03	0.03	0.0 223,220,0		0.12	1.02e-03	1.02e-03226,207,207				1.00	0.04	0.96

1535	0.03	0.15	0.0 226,225,0	0.10	4.91e-03	0.02226,204,223	0.25	226	0.87	0.06	0.94
	0.03	0.03	0.0 223,220,0	0.10	3.67e-03	3.67e-03226,231,231			1.00	0.04	0.96
1538	0.04	0.15	0.0 226,225,0	0.08	4.23e-03	0.0252,207,223	0.22	52	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.08	8.28e-03	8.28e-0352,204,204			1.00	0.04	0.96
2088	0.11	0.13	0.0 223,220,0	0.26	2.07e-03	0.02226,226,220	0.39	226	0.87	0.06	0.94
	0.05	0.04	0.0 223,220,0	0.26	5.99e-03	5.99e-03226,226,226			1.00	0.04	0.96
2089	0.09	0.11	0.0 223,220,0	0.19	3.44e-03	0.01226,204,220	0.33	226	0.87	0.06	0.94
	0.04	0.03	0.0 210,209,0	0.19	5.99e-03	5.99e-03226,226,226			1.00	0.04	0.96
2090	0.06	0.09	0.0 223,220,0	0.14	3.44e-03	0.01226,204,204	0.29	226	0.87	0.06	0.94
	0.03	0.03	0.0 226,226,0	0.14	5.23e-03	5.23e-03226,223,223			1.00	0.04	0.96
2091	0.05	0.07	0.0 223,220,0	0.12	3.12e-03	0.01226,204,204	0.26	226	0.87	0.06	0.94
	0.05	0.04	0.0 225,226,0	0.12	5.89e-03	5.89e-03226,207,207			1.00	0.04	0.96
2125	0.03	0.06	0.0 207,220,0	0.11	0.02	0.03226,210,218	0.26	226	0.87	0.06	0.94
	0.12	0.08	0.0 226,225,0	0.11	0.02	0.02226,210,210			1.00	0.04	0.96
2126	0.03	0.06	0.0 207,204,0	0.11	0.03	0.04226,210,210	0.26	226	0.87	0.06	0.94
	0.15	0.10	0.0 226,225,0	0.11	0.02	0.02226,210,210			1.00	0.04	0.96
2127	3.73e-03	0.04	0.0 210,52,0	0.02	0.03	0.04226,210,210	0.10	226	0.87	0.06	0.94
	0.15	0.10	0.0 226,225,0	0.02	0.02	0.02226,230,230			1.00	0.04	0.96
3566	0.06	0.05	0.0 207,204,0	0.03	0.03	0.05220,209,209	0.13	220	0.87	0.06	0.94
	0.08	0.06	0.0 21,20,0	0.03	0.06	0.06220,209,209			1.00	0.04	0.96
3567	0.03	0.02	0.0 210,209,0	0.03	0.03	0.03220,209,209	0.12	220	0.87	0.06	0.94
	0.01	9.65e-03	0.0 21,20,0	0.03	4.92e-03	4.92e-03220,209,209			1.00	0.04	0.96
3568	0.06	0.05	0.0 207,204,0	0.03	0.03	0.05220,209,204	0.14	220	0.87	0.06	0.94
	0.10	0.08	0.0 22,20,0	0.03	0.06	0.06220,209,209			1.00	0.04	0.96
3569	0.05	0.05	0.0 207,204,0	0.04	0.03	0.05220,209,204	0.15	220	0.87	0.06	0.94
	0.10	0.08	0.0 22,22,0	0.04	0.05	0.05220,209,209			1.00	0.04	0.96
3570	0.02	0.02	0.0 209,210,0	0.04	0.02	0.03220,209,204	0.15	220	0.87	0.06	0.94
	0.10	0.08	0.0 21,22,0	0.04	0.01	0.01 220,18,18			1.00	0.04	0.96
3577	0.06	0.05	0.0 209,210,0	0.04	0.02	0.03220,209,210	0.15	220	0.87	0.06	0.94
	0.09	0.07	0.0 18,18,0	0.04	0.04	0.04220,204,204			1.00	0.04	0.96
3578	0.06	0.05	0.0 209,210,0	0.03	0.03	0.04220,209,210	0.14	220	0.87	0.06	0.94
	0.06	0.05	0.0 17,18,0	0.03	0.04	0.04220,204,204			1.00	0.04	0.96
3579	0.05	0.05	0.0 209,210,0	0.03	0.03	0.04220,209,210	0.13	220	0.87	0.06	0.94
	9.33e-03	8.31e-03	0.0 230,22,0	0.03	0.02	0.02220,209,209			1.00	0.04	0.96
3580	0.06	0.05	0.0 207,204,0	0.04	0.03	0.05220,209,209	0.16	220	0.87	0.06	0.94
	0.08	0.06	0.0 21,20,0	0.04	0.06	0.06220,209,209			1.00	0.04	0.96
3581	0.03	0.02	0.0 210,209,0	0.04	0.03	0.03220,209,209	0.15	220	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.04	4.92e-03	4.92e-03220,209,209			1.00	0.04	0.96
3582	0.06	0.05	0.0 207,204,0	0.04	0.03	0.05220,209,204	0.16	220	0.87	0.06	0.94
	0.10	0.08	0.0 22,20,0	0.04	0.06	0.06220,209,209			1.00	0.04	0.96
3583	0.05	0.05	0.0 207,204,0	0.04	0.03	0.05220,209,204	0.16	220	0.87	0.06	0.94
	0.10	0.08	0.0 22,22,0	0.04	0.05	0.05220,209,209			1.00	0.04	0.96
3584	0.02	0.02	0.0 209,210,0	0.04	0.02	0.03220,209,204	0.16	220	0.87	0.06	0.94
	0.10	0.08	0.0 21,22,0	0.04	0.01	0.01 220,18,18			1.00	0.04	0.96
3585	0.04	0.07	0.0 226,225,0	0.08	0.01	0.0252,209,209	0.22	52	0.87	0.06	0.94
	0.06	0.05	0.0 204,204,0	0.08	8.85e-03	8.85e-03 52,19,19			1.00	0.04	0.96
3586	0.04	0.07	0.0 226,225,0	0.08	0.01	0.0252,209,209	0.22	52	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.08	8.28e-03	8.28e-0352,204,204			1.00	0.04	0.96
3587	0.03	0.07	0.0 226,225,0	0.07	4.07e-03	0.0152,209,209	0.20	52	0.87	0.06	0.94
	0.07	0.06	0.0 18,18,0	0.07	0.01	0.01 52,19,19			1.00	0.04	0.96
3588	0.02	0.07	0.0 226,225,0	0.06	0.01	0.02220,209,209	0.18	220	0.87	0.06	0.94
	0.07	0.06	0.0 18,18,0	0.06	0.01	0.01220,209,209			1.00	0.04	0.96
3589	0.02	0.06	0.0 226,225,0	0.06	0.01	0.02220,209,209	0.18	220	0.87	0.06	0.94
	0.07	0.06	0.0 18,18,0	0.06	0.01	0.01220,209,209			1.00	0.04	0.96
3590	0.04	0.15	0.0 226,225,0	0.08	4.23e-03	0.0252,207,223	0.22	52	0.87	0.06	0.94
	0.06	0.05	0.0 207,204,0	0.08	8.28e-03	8.28e-0352,204,204			1.00	0.04	0.96
3591	0.03	0.14	0.0 226,225,0	0.08	2.28e-03	0.02220,19,223	0.21	220	0.87	0.06	0.94
	0.07	0.05	0.0 204,204,0	0.08	9.39e-03	9.39e-03 220,18,18			1.00	0.04	0.96
3592	0.03	0.12	0.0 226,225,0	0.08	2.80e-03	0.01220,209,225	0.21	220	0.87	0.06	0.94
	0.07	0.05	0.0 204,204,0	0.08	9.39e-03	9.39e-03 220,18,18			1.00	0.04	0.96
3593	0.02	0.11	0.0 226,225,0	0.08	2.80e-03	0.01220,209,225	0.21	220	0.87	0.06	0.94
	0.04	0.03	0.0 18,18,0	0.08	9.10e-03	9.10e-03 220,19,19			1.00	0.04	0.96
3594	0.06	0.05	0.0 209,210,0	0.04	0.02	0.03220,209,210	0.16	220	0.87	0.06	0.94
	0.09	0.07	0.0 18,18,0	0.04	0.04	0.04220,204,204			1.00	0.04	0.96
3595	0.06	0.05	0.0 209,210,0	0.04	0.03	0.04220,209,210	0.15	220	0.87	0.06	0.94
	0.06	0.05	0.0 17,18,0	0.04	0.04	0.04220,204,204			1.00	0.04	0.96
3596	0.05	0.05	0.0 209,210,0	0.03	0.03	0.04220,209,210	0.14	220	0.87	0.06	0.94
	0.03	0.02	0.0 209,209,0	0.03	0.02	0.02220,209,209			1.00	0.04	0.96
3597	0.02	0.06	0.0 226,225,0	0.06	9.93e-03	0.01220,209,209	0.18	220	0.87	0.06	0.94
	0.06	0.05	0.0 22,19,0	0.06	0.01	0.01 220,17,17			1.00	0.04	0.96
3598	0.01	0.05	0.0 226,225,0	0.05	8.06e-03	0.01220,204,204	0.17	220	0.87	0.06	0.94
	0.04	0.03	0.0 209,19,0	0.05	8.83e-03	8.83e-03220,209,209			1.00	0.04	0.96
3599	7.04e-03	0.05	0.0 226,225,0	0.04	8.06e-03	0.01220,204,204	0.16	220	0.87	0.06	0.94
	0.03	0.02	0.0 209,209,0	0.04	6.98e-03	6.98e-03220,209,209			1.00	0.04	0.96
3600	0.02	0.10	0.0 226,225,0	0.07	2.33e-03	0.01220,19,225	0.21	220	0.87	0.06	0.94

	0.03	0.03	0.0	18,19,0	0.07	8.83e-03	8.83e-03220,209,209			1.00	0.04	0.96
3601	0.02	0.08	0.0	226,225,0	0.07	2.63e-03	0.01220,19,225	0.20	220	0.87	0.06	0.94
	0.02	0.02	0.0	210,209,0	0.07	8.83e-03	8.83e-03220,209,209			1.00	0.04	0.96
3602	0.01	0.07	0.0	226,225,0	0.06	2.63e-03	8.78e-03220,19,225	0.18	220	0.87	0.06	0.94
	0.02	9.00e-03	0.0	209,209,0	0.06	4.67e-03	4.67e-03220,209,209			1.00	0.04	0.96
3603	0.03	0.15	0.0	226,225,0	0.10	4.91e-03	0.02226,204,223	0.25	226	0.87	0.06	0.94
	0.04	0.03	0.0	207,204,0	0.10	8.20e-03	8.20e-03226,204,204			1.00	0.04	0.96
3604	0.03	0.14	0.0	226,225,0	0.10	3.21e-03	0.02226,204,223	0.25	226	0.87	0.06	0.94
	0.05	0.04	0.0	204,204,0	0.10	8.20e-03	8.20e-03226,204,204			1.00	0.04	0.96
3605	0.03	0.12	0.0	226,225,0	0.10	1.27e-03	0.01226,209,225	0.25	226	0.87	0.06	0.94
	0.05	0.04	0.0	204,204,0	0.10	7.22e-03	7.22e-03226,204,204			1.00	0.04	0.96
3606	0.02	0.11	0.0	226,225,0	0.10	1.96e-03	0.01226,204,225	0.24	226	0.87	0.06	0.94
	0.04	0.03	0.0	204,204,0	0.10	6.43e-03	6.43e-03 226,18,18			1.00	0.04	0.96
3607	0.02	0.11	0.0	226,225,0	0.12	4.91e-03	0.01226,204,209	0.27	226	0.87	0.06	0.94
	0.03	0.03	0.0	207,220,0	0.12	4.81e-03	4.81e-03226,209,209			1.00	0.04	0.96
3608	0.02	0.10	0.0	226,225,0	0.12	3.34e-03	0.01226,204,209	0.26	226	0.87	0.06	0.94
	0.03	0.02	0.0	204,204,0	0.12	5.95e-03	5.95e-03226,204,204			1.00	0.04	0.96
3609	0.02	0.10	0.0	226,225,0	0.12	1.43e-03	0.01226,207,209	0.26	226	0.87	0.06	0.94
	0.03	0.02	0.0	204,204,0	0.12	5.95e-03	5.95e-03226,204,204			1.00	0.04	0.96
3610	0.02	0.09	0.0	226,225,0	0.11	1.96e-03	0.01226,204,209	0.26	226	0.87	0.06	0.94
	0.03	0.02	0.0	204,204,0	0.11	4.18e-03	4.18e-03 226,18,18			1.00	0.04	0.96
3611	3.86e-04	0.08	0.0	226,52,0	0.13	4.65e-03	0.01225,204,209	0.28	225	0.87	0.06	0.94
	0.02	0.03	0.0	207,204,0	0.13	2.83e-03	2.83e-03225,204,204			1.00	0.04	0.96
3612	3.86e-04	0.08	0.0	226,52,0	0.13	3.34e-03	0.01225,204,209	0.27	225	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.13	3.93e-03	3.93e-03225,204,204			1.00	0.04	0.96
3613	0.0	0.08	0.0	0,52,0	0.12	1.78e-03	0.01225,204,209	0.27	225	0.0	0.0	0.0
	0.02	0.01	0.0	204,204,0	0.12	3.93e-03	3.93e-03225,204,204			1.00	0.04	0.96
3614	0.0	0.07	0.0	0,52,0	0.12	1.78e-03	1.00e-02226,204,209	0.27	226	0.0	0.0	0.0
	0.02	0.02	0.0	204,204,0	0.12	3.25e-03	3.25e-03226,204,204			1.00	0.04	0.96
3615	0.0	0.07	0.0	0,52,0	0.14	4.33e-03	0.01225,204,204	0.29	225	0.0	0.0	0.0
	0.02	0.02	0.0	207,204,0	0.14	2.21e-03	2.21e-03225,209,209			1.00	0.04	0.96
3616	0.0	0.07	0.0	0,52,0	0.14	3.25e-03	0.01225,204,204	0.29	225	0.0	0.0	0.0
	0.02	0.01	0.0	223,220,0	0.14	2.89e-03	2.89e-03225,209,209			1.00	0.04	0.96
3617	0.0	0.07	0.0	0,52,0	0.14	2.07e-03	9.82e-03225,209,204	0.28	225	0.0	0.0	0.0
	0.01	0.01	0.0	207,204,0	0.14	2.91e-03	2.91e-03225,209,209			1.00	0.04	0.96
3618	0.0	0.07	0.0	0,52,0	0.13	1.71e-03	9.41e-03225,204,204	0.28	225	0.0	0.0	0.0
	0.02	0.01	0.0	210,209,0	0.13	2.91e-03	2.91e-03225,209,209			1.00	0.04	0.96
3619	0.0	0.07	0.0	0,52,0	0.14	3.99e-03	0.01225,204,209	0.29	225	0.0	0.0	0.0
	0.03	0.03	0.0	210,209,0	0.14	2.96e-03	2.96e-03225,210,210			1.00	0.04	0.96
3620	0.0	0.07	0.0	0,52,0	0.14	3.76e-03	0.01225,209,209	0.29	225	0.0	0.0	0.0
	0.02	0.02	0.0	207,204,0	0.14	2.96e-03	2.96e-03225,210,210			1.00	0.04	0.96
3621	0.0	0.06	0.0	0,52,0	0.14	2.07e-03	0.01225,209,209	0.29	225	0.0	0.0	0.0
	0.01	8.10e-03	0.0	215,212,0	0.14	2.36e-03	2.36e-03225,209,209			1.00	0.04	0.96
3622	0.0	0.06	0.0	0,52,0	0.14	1.72e-03	9.28e-03225,209,209	0.29	225	0.0	0.0	0.0
	0.02	0.01	0.0	210,209,0	0.14	2.14e-03	2.14e-03225,209,209			1.00	0.04	0.96
3623	0.0	0.08	0.0	0,52,0	0.14	7.51e-03	0.01225,210,209	0.29	225	0.0	0.0	0.0
	0.06	0.05	0.0	210,209,0	0.14	9.28e-03	9.28e-03225,210,210			1.00	0.04	0.96
3624	0.0	0.07	0.0	0,52,0	0.15	3.76e-03	0.01225,209,209	0.29	225	0.0	0.0	0.0
	0.02	0.02	0.0	207,204,0	0.15	2.96e-03	2.96e-03225,210,210			1.00	0.04	0.96
3625	0.0	0.07	0.0	0,52,0	0.15	2.06e-03	0.01225,209,209	0.30	225	0.0	0.0	0.0
	0.01	9.52e-03	0.0	215,212,0	0.15	1.46e-03	1.46e-03225,209,209			1.00	0.04	0.96
3626	0.0	0.06	0.0	0,52,0	0.15	1.87e-03	0.01225,210,209	0.30	225	0.0	0.0	0.0
	0.01	8.81e-03	0.0	226,213,0	0.15	1.28e-03	1.28e-03225,204,204			1.00	0.04	0.96
3627	0.01	0.08	0.0	210,52,0	0.22	7.51e-03	0.01225,210,209	0.36	225	0.87	0.06	0.94
	0.06	0.05	0.0	210,209,0	0.22	9.28e-03	9.28e-03225,210,210			1.00	0.04	0.96
3628	0.01	0.07	0.0	210,52,0	0.21	3.61e-03	0.01225,210,209	0.35	225	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.21	4.01e-03	4.01e-03225,210,210			1.00	0.04	0.96
3629	0.01	0.07	0.0	210,52,0	0.20	1.55e-03	0.01225,209,209	0.34	225	0.87	0.06	0.94
	0.01	0.01	0.0	215,212,0	0.20	1.23e-03	1.23e-03225,206,206			1.00	0.04	0.96
3630	0.01	0.06	0.0	210,52,0	0.19	2.18e-03	0.01225,210,209	0.33	225	0.87	0.06	0.94
	0.01	7.94e-03	0.0	226,213,0	0.19	1.29e-03	1.29e-03225,207,207			1.00	0.04	0.96
3631	0.02	0.10	0.0	226,225,0	0.09	2.29e-03	0.01226,207,225	0.24	226	0.87	0.06	0.94
	0.02	0.02	0.0	204,204,0	0.09	6.35e-03	6.35e-03226,209,209			1.00	0.04	0.96
3632	0.02	0.08	0.0	226,225,0	0.09	3.25e-03	0.01226,207,225	0.22	226	0.87	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.09	6.35e-03	6.35e-03226,209,209			1.00	0.04	0.96
3633	0.01	0.07	0.0	226,225,0	0.07	3.25e-03	9.13e-03224,207,209	0.21	224	0.87	0.06	0.94
	0.02	6.52e-03	0.0	220,223,0	0.07	3.27e-03	3.27e-03224,209,209			1.00	0.04	0.96
3634	0.01	0.08	0.0	226,225,0	0.11	2.67e-03	0.01226,207,209	0.26	226	0.87	0.06	0.94
	0.03	0.02	0.0	206,205,0	0.11	3.30e-03	3.30e-03 226,19,19			1.00	0.04	0.96
3635	9.77e-03	0.08	0.0	226,225,0	0.10	4.48e-03	9.99e-03226,207,209	0.24	226	0.87	0.06	0.94
	0.03	0.02	0.0	206,205,0	0.10	2.65e-03	2.65e-03226,209,209			1.00	0.04	0.96
3636	6.95e-03	0.07	0.0	226,52,0	0.09	4.48e-03	9.37e-03226,207,209	0.23	226	0.87	0.06	0.94
	0.02	7.98e-03	0.0	226,225,0	0.09	1.67e-03	1.67e-03226,223,223			1.00	0.04	0.96
3637	0.0	0.07	0.0	0,52,0	0.12	3.24e-03	1.00e-02226,204,209	0.26	226	0.0	0.0	0.0
	0.03	0.02	0.0	226,205,0	0.12	2.33e-03	2.33e-03226,204,204			1.00	0.04	0.96

3638	0.0	0.07	0.0	0,52,0	0.11	4.60e-03	9.70e-03226,204,204	0.25	226	0.0	0.0	0.0
	0.03	0.02	0.0	226,205,0	0.11	1.90e-03	1.90e-03226,207,207			1.00	0.04	0.96
3639	0.0	0.06	0.0	0,52,0	0.09	4.60e-03	9.37e-03226,204,209	0.23	226	0.0	0.0	0.0
	0.03	0.01	0.0	226,223,0	0.09	1.90e-03	1.90e-03226,207,207			1.00	0.04	0.96
3640	0.0	0.06	0.0	0,52,0	0.13	3.24e-03	9.70e-03225,204,204	0.27	225	0.0	0.0	0.0
	0.04	0.02	0.0	226,225,0	0.13	2.33e-03	2.33e-03225,204,204			1.00	0.04	0.96
3641	0.0	0.06	0.0	0,52,0	0.12	4.69e-03	9.70e-03225,209,204	0.26	225	0.0	0.0	0.0
	0.04	0.02	0.0	226,225,0	0.12	1.90e-03	1.90e-03225,207,207			1.00	0.04	0.96
3642	0.0	0.06	0.0	0,52,0	0.09	4.69e-03	9.18e-03225,209,204	0.24	225	0.0	0.0	0.0
	0.03	0.02	0.0	226,225,0	0.09	1.90e-03	1.90e-03225,207,207			1.00	0.04	0.96
3643	0.0	0.06	0.0	0,52,0	0.14	3.45e-03	9.73e-03225,209,209	0.29	225	0.0	0.0	0.0
	0.05	0.03	0.0	226,225,0	0.14	1.86e-03	1.86e-03225,209,209			1.00	0.04	0.96
3644	0.0	0.06	0.0	0,52,0	0.13	5.28e-03	9.73e-03225,209,209	0.28	225	0.0	0.0	0.0
	0.05	0.03	0.0	226,225,0	0.13	2.72e-03	2.72e-03225,204,204			1.00	0.04	0.96
3645	0.0	0.05	0.0	0,52,0	0.11	5.28e-03	9.39e-03225,209,209	0.25	225	0.0	0.0	0.0
	0.03	0.02	0.0	226,225,0	0.11	2.72e-03	2.72e-03225,204,204			1.00	0.04	0.96
3646	0.0	0.06	0.0	0,52,0	0.15	3.46e-03	0.01225,209,209	0.30	225	0.0	0.0	0.0
	0.05	0.03	0.0	226,225,0	0.15	1.39e-03	1.39e-03225,204,204			1.00	0.04	0.96
3647	0.0	0.05	0.0	0,52,0	0.15	5.52e-03	0.01225,209,209	0.29	225	0.0	0.0	0.0
	0.05	0.03	0.0	226,225,0	0.15	2.72e-03	2.72e-03225,204,204			1.00	0.04	0.96
3648	0.0	0.05	0.0	0,52,0	0.11	5.52e-03	9.96e-03225,209,209	0.26	225	0.0	0.0	0.0
	0.04	0.02	0.0	226,225,0	0.11	2.72e-03	2.72e-03225,204,204			1.00	0.04	0.96
3649	7.27e-03	0.06	0.0	210,52,0	0.18	3.60e-03	0.01225,210,209	0.33	225	0.87	0.06	0.94
	0.06	0.04	0.0	226,225,0	0.18	1.36e-03	1.36e-03225,207,207			1.00	0.04	0.96
3650	0.0	0.05	0.0	0,52,0	0.17	5.52e-03	0.01225,209,209	0.32	225	0.0	0.0	0.0
	0.06	0.04	0.0	226,225,0	0.17	1.36e-03	1.36e-03225,207,207			1.00	0.04	0.96
3651	0.0	0.05	0.0	0,52,0	0.13	5.52e-03	9.96e-03225,209,209	0.27	225	0.0	0.0	0.0
	0.05	0.03	0.0	226,225,0	0.13	1.03e-03	1.03e-03225,210,210			1.00	0.04	0.96
3652	0.01	0.04	0.0	210,209,0	0.22	6.39e-03	0.01225,210,209	0.36	225	0.87	0.06	0.94
	0.04	0.03	0.0	210,209,0	0.22	4.47e-03	4.47e-03225,210,210			1.00	0.04	0.96
3653	0.01	0.03	0.0	214,213,0	0.22	6.39e-03	0.01225,210,209	0.36	225	0.87	0.06	0.94
	0.04	0.03	0.0	210,209,0	0.22	3.59e-03	3.59e-03225,209,209			1.00	0.04	0.96
3654	0.01	0.04	0.0	210,209,0	0.21	3.99e-03	0.01225,210,209	0.35	225	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.21	4.47e-03	4.47e-03225,210,210			1.00	0.04	0.96
3655	0.01	0.04	0.0	210,209,0	0.20	2.09e-03	9.15e-03225,210,209	0.34	225	0.87	0.06	0.94
	0.01	0.01	0.0	215,220,0	0.20	3.33e-03	3.33e-03225,218,218			1.00	0.04	0.96
3656	0.01	0.04	0.0	210,209,0	0.19	2.44e-03	9.11e-03225,210,209	0.33	225	0.87	0.06	0.94
	0.01	7.94e-03	0.0	214,213,0	0.19	2.52e-03	2.52e-03225,214,214			1.00	0.04	0.96
3657	0.01	8.53e-03	0.0	51,209,0	0.18	4.58e-03	7.18e-03225,209,209	0.33	225	0.87	0.06	0.94
	0.04	0.03	0.0	223,220,0	0.18	4.53e-03	4.53e-03225,209,209			1.00	0.04	0.96
3658	0.01	3.28e-03	0.0	51,57,0	0.18	4.58e-03	4.58e-03225,209,209	0.32	225	0.87	0.06	0.94
	0.04	0.03	0.0	223,220,0	0.18	3.59e-03	3.59e-03225,209,209			1.00	0.04	0.96
3659	0.01	0.01	0.0	209,209,0	0.18	3.99e-03	7.18e-03225,210,209	0.33	225	0.87	0.06	0.94
	0.02	0.02	0.0	223,220,0	0.18	4.53e-03	4.53e-03225,209,209			1.00	0.04	0.96
3660	0.01	0.02	0.0	209,209,0	0.18	2.13e-03	6.84e-03225,210,209	0.32	225	0.87	0.06	0.94
	0.01	0.01	0.0	221,222,0	0.18	4.50e-03	4.50e-03225,218,218			1.00	0.04	0.96
3661	0.01	0.02	0.0	210,209,0	0.18	2.44e-03	7.47e-03225,210,209	0.32	225	0.87	0.06	0.94
	0.01	0.01	0.0	225,226,0	0.18	4.48e-03	4.48e-03225,214,214			1.00	0.04	0.96
3662	0.02	0.01	0.0	220,223,0	0.17	4.51e-03	5.62e-03226,209,210	0.32	226	0.87	0.06	0.94
	0.04	0.04	0.0	223,220,0	0.17	5.35e-03	5.35e-03226,217,217			1.00	0.04	0.96
3663	0.02	0.01	0.0	220,223,0	0.16	4.51e-03	5.62e-03226,209,210	0.31	226	0.87	0.06	0.94
	0.04	0.04	0.0	223,220,0	0.16	3.80e-03	3.80e-03226,217,217			1.00	0.04	0.96
3664	0.01	0.01	0.0	209,209,0	0.17	3.35e-03	6.15e-03226,209,210	0.32	226	0.87	0.06	0.94
	0.02	0.02	0.0	225,226,0	0.17	5.35e-03	5.35e-03226,217,217			1.00	0.04	0.96
3665	0.01	0.02	0.0	210,209,0	0.17	2.13e-03	6.46e-03226,210,209	0.32	226	0.87	0.06	0.94
	0.02	0.02	0.0	225,226,0	0.17	4.50e-03	4.50e-03226,218,218			1.00	0.04	0.96
3666	0.02	0.02	0.0	210,209,0	0.17	2.00e-03	7.09e-03226,209,209	0.32	226	0.87	0.06	0.94
	0.03	0.02	0.0	225,226,0	0.17	8.42e-03	8.42e-03226,218,218			1.00	0.04	0.96
3667	0.11	0.13	0.0	223,220,0	0.26	4.32e-03	0.02226,209,220	0.39	226	0.87	0.06	0.94
	0.05	0.04	0.0	223,220,0	0.26	5.99e-03	5.99e-03226,226,226			1.00	0.04	0.96
3668	0.11	0.13	0.0	223,220,0	0.26	4.32e-03	0.02226,209,220	0.39	226	0.87	0.06	0.94
	0.05	0.04	0.0	223,220,0	0.26	3.80e-03	3.80e-03226,217,217			1.00	0.04	0.96
3669	0.09	0.11	0.0	223,220,0	0.19	3.44e-03	0.01226,204,220	0.33	226	0.87	0.06	0.94
	0.04	0.03	0.0	210,209,0	0.19	5.99e-03	5.99e-03226,226,226			1.00	0.04	0.96
3670	0.06	0.09	0.0	223,220,0	0.17	3.44e-03	0.01226,204,204	0.32	226	0.87	0.06	0.94
	0.03	0.03	0.0	226,226,0	0.17	5.23e-03	5.23e-03226,223,223			1.00	0.04	0.96
3671	0.05	0.07	0.0	223,220,0	0.17	3.12e-03	0.01226,204,204	0.32	226	0.87	0.06	0.94
	0.05	0.04	0.0	225,226,0	0.17	8.42e-03	8.42e-03226,218,218			1.00	0.04	0.96
3672	8.78e-03	0.04	0.0	210,52,0	0.18	3.87e-03	9.23e-03225,210,209	0.33	225	0.87	0.06	0.94
	0.07	0.05	0.0	226,225,0	0.18	1.96e-03	1.96e-03225,207,207			1.00	0.04	0.96
3673	2.09e-03	0.04	0.0	210,52,0	0.17	5.26e-03	9.23e-03225,209,209	0.32	225	0.87	0.06	0.94
	0.07	0.05	0.0	226,225,0	0.17	1.96e-03	1.96e-03225,207,207			1.00	0.04	0.96
3674	0.0	0.04	0.0	0,52,0	0.13	5.26e-03	8.84e-03225,209,209	0.27	225	0.0	0.0	0.0
	0.06	0.04	0.0	226,225,0	0.13	1.79e-03	1.79e-03225,210,210			1.00	0.04	0.96
3675	9.95e-03	0.02	0.0	209,59,0	0.18	4.77e-03	8.75e-03225,210,210	0.32	225	0.87	0.06	0.94

	0.09	0.05	0.0 226,225,0	0.18	3.70e-03	3.70e-03225,210,210			1.00	0.04	0.96
3676	5.31e-03	0.02	0.0 209,59,0	0.17	4.89e-03	8.75e-03225,209,210	0.32	225	0.87	0.06	0.94
	0.09	0.05	0.0 226,225,0	0.17	4.38e-03	4.38e-03225,210,210			1.00	0.04	0.96
3677	0.0	0.02	0.0 0,59,0	0.12	4.89e-03	7.40e-03225,209,209	0.26	225	0.0	0.0	0.0
	0.09	0.05	0.0 226,225,0	0.12	4.38e-03	4.38e-03225,210,210			1.00	0.04	0.96
3678	0.02	0.03	0.0 210,209,0	0.20	5.67e-03	0.01226,209,209	0.34	226	0.87	0.06	0.94
	0.11	0.07	0.0 222,221,0	0.20	8.42e-03	8.42e-03226,218,218			1.00	0.04	0.96
3679	0.02	0.03	0.0 210,209,0	0.20	7.04e-03	0.01226,210,209	0.34	226	0.87	0.06	0.94
	0.12	0.07	0.0 226,225,0	0.20	9.22e-03	9.22e-03226,210,210			1.00	0.04	0.96
3680	0.01	0.02	0.0 210,209,0	0.11	7.04e-03	9.27e-03226,210,209	0.25	226	0.87	0.06	0.94
	0.12	0.07	0.0 226,225,0	0.11	9.22e-03	9.22e-03226,210,210			1.00	0.04	0.96
3681	0.03	0.06	0.0 207,220,0	0.20	0.02	0.03226,210,218	0.34	226	0.87	0.06	0.94
	0.12	0.08	0.0 226,225,0	0.20	0.02	0.02226,210,210			1.00	0.04	0.96
3682	0.03	0.06	0.0 207,204,0	0.20	0.03	0.04226,210,210	0.34	226	0.87	0.06	0.94
	0.15	0.10	0.0 226,225,0	0.20	0.02	0.02226,210,210			1.00	0.04	0.96
3683	0.01	0.04	0.0 210,52,0	0.11	0.03	0.04226,210,210	0.25	226	0.87	0.06	0.94
	0.15	0.10	0.0 226,225,0	0.11	0.02	0.02226,230,230			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.15	0.15	0.0	0.26	0.06	0.06	0.39

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
99	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	cm	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.20	kN	172	0.17	kN	196	0.10	kN	kN m	230
		7.7			6.7			-5151.8	-1.659e+05	

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1852	9.48e-03	0.01	0.0 228,57,0	1.06e-03	2.00e-03	4.23e-03232,212,224	0.03	232	0.87	0.06	0.94		
	0.04	0.02	0.0 232,235,0	1.07e-03	0.01	0.01232,235,235			1.00	0.04	0.96		
1853	0.03	0.04	0.0 229,230,0	0.01	3.12e-03	7.20e-03204,228,230	0.08	204	0.87	0.06	0.94		
	0.04	0.02	0.0 232,235,0	0.01	0.01	0.01204,235,235			1.00	0.04	0.96		
1856	0.03	0.06	0.0 229,230,0	0.01	7.30e-03	0.01204,228,228	0.08	204	0.87	0.06	0.94		
	0.03	0.01	0.0 234,209,0	0.01	5.08e-03	5.08e-03204,204,204			1.00	0.04	0.96		
1859	0.03	0.06	0.0 229,230,0	6.26e-03	7.30e-03	0.01209,228,228	0.06	209	0.87	0.06	0.94		
	0.01	7.03e-03	0.0 230,229,0	6.26e-03	3.33e-03	3.33e-03209,228,228			1.00	0.04	0.96		
3688	9.48e-03	0.02	0.0 228,57,0	0.02	8.18e-03	9.03e-03232,220,224	0.11	232	0.87	0.06	0.94		
	0.04	0.02	0.0 204,235,0	0.02	0.01	0.01232,235,235			1.00	0.04	0.96		
3689	0.03	0.04	0.0 229,230,0	0.03	8.18e-03	9.03e-03220,220,224	0.13	220	0.87	0.06	0.94		
	0.04	0.02	0.0 204,235,0	0.03	0.01	0.01220,235,235			1.00	0.04	0.96		
3690	2.03e-03	0.02	0.0 235,57,0	0.02	8.18e-03	9.03e-03232,220,224	0.11	232	0.87	0.06	0.94		
	0.04	0.02	0.0 204,229,0	0.02	0.01	0.01232,229,229			1.00	0.04	0.96		
3691	0.02	0.04	0.0 229,230,0	0.03	8.18e-03	9.03e-03220,220,224	0.13	220	0.87	0.06	0.94		
	0.04	0.02	0.0 204,229,0	0.03	0.01	0.01220,229,229			1.00	0.04	0.96		
3692	3.79e-03	0.02	0.0 227,57,0	0.02	6.71e-04	2.86e-03232,220,59	0.11	232	0.87	0.06	0.94		
	0.05	0.03	0.0 232,235,0	0.02	0.01	0.01232,232,232			1.00	0.04	0.96		
3693	0.02	0.03	0.0 229,230,0	0.03	2.01e-03	5.66e-03220,231,228	0.13	220	0.87	0.06	0.94		
	0.05	0.03	0.0 232,235,0	0.03	0.01	0.01220,232,232			1.00	0.04	0.96		
3694	6.98e-03	0.03	0.0 231,57,0	0.02	7.48e-04	3.28e-03232,207,57	0.11	232	0.87	0.06	0.94		
	0.05	0.03	0.0 232,235,0	0.02	0.02	0.02232,232,232			1.00	0.04	0.96		
3695	0.02	0.03	0.0 229,230,0	0.03	1.03e-03	5.21e-03224,52,228	0.12	224	0.87	0.06	0.94		
	0.05	0.03	0.0 232,235,0	0.03	0.02	0.02224,232,232			1.00	0.04	0.96		
3696	0.03	0.06	0.0 229,230,0	0.03	7.30e-03	0.01220,228,228	0.13	220	0.87	0.06	0.94		
	0.03	0.01	0.0 234,209,0	0.03	6.60e-03	6.60e-03220,209,209			1.00	0.04	0.96		
3697	0.04	0.06	0.0 229,230,0	0.03	2.45e-03	9.57e-03220,231,228	0.13	220	0.87	0.06	0.94		
	0.02	0.01	0.0 52,209,0	0.03	8.67e-03	8.67e-03220,229,229			1.00	0.04	0.96		
3698	0.05	0.05	0.0 209,210,0	0.03	3.55e-03	0.01220,235,211	0.13	220	0.87	0.06	0.94		
	0.03	0.02	0.0 228,231,0	0.03	9.44e-03	9.44e-03220,230,230			1.00	0.04	0.96		
3699	0.05	0.05	0.0 209,210,0	0.03	4.89e-03	0.01224,231,231	0.12	224	0.87	0.06	0.94		
	0.03	0.02	0.0 232,235,0	0.03	9.44e-03	9.44e-03224,230,230			1.00	0.04	0.96		
3700	0.03	0.06	0.0 229,230,0	0.02	7.30e-03	0.01204,228,228	0.10	204	0.87	0.06	0.94		
	0.01	7.03e-03	0.0 230,229,0	0.02	3.33e-03	3.33e-03204,228,228			1.00	0.04	0.96		
3701	0.04	0.06	0.0 229,230,0	0.02	2.45e-03	9.57e-03204,231,228	0.10	204	0.87	0.06	0.94		
	7.91e-03	4.19e-03	0.0 227,224,0	0.02	2.91e-03	2.91e-03204,229,229			1.00	0.04	0.96		
3702	0.05	0.05	0.0 209,210,0	0.02	3.55e-03	0.01204,235,211	0.11	204	0.87	0.06	0.94		
	0.03	0.01	0.0 204,207,0	0.02	6.58e-03	6.58e-03204,232,232			1.00	0.04	0.96		
3703	0.05	0.05	0.0 209,210,0	0.02	4.89e-03	0.01204,231,231	0.11	204	0.87	0.06	0.94		
	0.03	0.01	0.0 204,207,0	0.02	6.58e-03	6.58e-03204,232,232			1.00	0.04	0.96		

3704	0.01	0.03	0.0	235,59,0	0.01	8.93e-03	0.01230,232,232	0.08	230	0.87	0.06	0.94
	0.05	0.05	0.0	232,230,0	0.01	0.02	0.02230,232,232			1.00	0.04	0.96
3705	0.02	0.03	0.0	229,59,0	0.02	8.93e-03	0.01234,232,232	0.10	234	0.87	0.06	0.94
	0.05	0.05	0.0	232,230,0	0.02	0.02	0.02234,232,232			1.00	0.04	0.96
3706	0.01	0.03	0.0	235,59,0	0.01	0.01	0.02230,232,232	0.08	230	0.87	0.06	0.94
	0.04	0.05	0.0	229,230,0	0.01	0.01	0.01230,218,218			1.00	0.04	0.96
3707	0.02	0.03	0.0	229,59,0	0.02	0.01	0.02234,232,232	0.10	234	0.87	0.06	0.94
	0.04	0.05	0.0	229,230,0	0.02	0.01	0.01234,218,218			1.00	0.04	0.96
3708	0.01	0.03	0.0	235,59,0	1.36e-03	0.01	0.02230,232,232	0.03	230	0.87	0.06	0.94
	0.02	0.03	0.0	229,230,0	1.34e-03	5.58e-03	5.58e-03230,235,235			1.00	0.04	0.96
3709	0.01	0.03	0.0	235,59,0	8.72e-03	0.01	0.02234,232,232	0.07	234	0.87	0.06	0.94
	0.02	0.03	0.0	229,230,0	8.72e-03	5.58e-03	5.58e-03234,235,235			1.00	0.04	0.96
3710	0.03	0.03	0.0	204,207,0	0.02	5.06e-03	0.01234,231,231	0.10	234	0.87	0.06	0.94
	0.03	0.03	0.0	232,234,0	0.02	9.14e-03	9.14e-03234,230,230			1.00	0.04	0.96
3711	0.02	0.02	0.0	204,230,0	0.02	5.20e-03	8.48e-03234,231,231	0.10	234	0.87	0.06	0.94
	0.02	0.03	0.0	233,234,0	0.02	9.14e-03	9.14e-03234,230,230			1.00	0.04	0.96
3712	0.01	0.02	0.0	229,230,0	8.72e-03	5.20e-03	6.83e-03234,231,228	0.07	234	0.87	0.06	0.94
	0.02	0.02	0.0	233,234,0	8.72e-03	5.12e-03	5.12e-03234,230,230			1.00	0.04	0.96
3713	0.03	0.03	0.0	204,207,0	8.54e-03	5.06e-03	0.01204,231,231	0.07	204	0.87	0.06	0.94
	0.02	0.02	0.0	204,228,0	8.54e-03	5.99e-03	5.99e-03204,232,232			1.00	0.04	0.96
3714	0.02	0.02	0.0	204,207,0	8.54e-03	5.06e-03	8.48e-03204,231,231	0.07	204	0.87	0.06	0.94
	0.02	0.02	0.0	231,228,0	8.54e-03	4.86e-03	4.86e-03204,230,230			1.00	0.04	0.96
3715	5.18e-03	5.66e-03	0.0	208,211,0	5.94e-03	4.70e-03	5.82e-03204,231,231	0.06	204	0.87	0.06	0.94
	9.56e-03	0.01	0.0	233,234,0	5.94e-03	2.53e-03	2.53e-03204,230,230			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131	V. D.26				
	0.05	0.06	0.0		0.03	0.02	0.02	0.13				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
100	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.31	57.1	172	0.24	-44.2	178	0.16	-3388.5	-7.652e+05	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1904	8.72e-03	0.02	0.0	229,230,0	9.95e-03	9.78e-03	0.01204,228,228	0.08	204	0.87	0.06	0.94	
	9.89e-04	1.21e-03	0.0	212,215,0	9.94e-03	4.74e-04	4.74e-04204,228,228			1.00	0.04	0.96	
1905	8.72e-03	0.02	0.0	229,230,0	0.01	9.78e-03	0.01204,228,228	0.09	204	0.87	0.06	0.94	
	2.83e-03	2.22e-03	0.0	230,229,0	0.01	4.89e-04	4.89e-04204,230,230			1.00	0.04	0.96	
1908	8.03e-03	0.02	0.0	209,210,0	0.02	9.08e-03	0.01204,234,234	0.10	204	0.87	0.06	0.94	
	7.68e-03	5.64e-03	0.0	210,209,0	0.02	7.22e-04	7.22e-04204,232,232			1.00	0.04	0.96	
1911	8.03e-03	0.02	0.0	209,210,0	0.02	8.61e-03	0.01204,230,230	0.11	204	0.87	0.06	0.94	
	0.01	7.98e-03	0.0	210,209,0	0.02	9.33e-04	9.33e-04204,232,232			1.00	0.04	0.96	
1914	3.83e-03	0.01	0.0	229,230,0	0.02	7.87e-03	0.01204,230,230	0.11	204	0.87	0.06	0.94	
	0.02	0.01	0.0	210,209,0	0.02	1.13e-03	1.13e-03204,232,232			1.00	0.04	0.96	
1917	1.85e-03	0.02	0.0	229,52,0	0.02	7.08e-03	9.78e-03210,230,230	0.11	210	0.87	0.06	0.94	
	0.02	0.01	0.0	210,209,0	0.02	1.25e-03	1.25e-03210,232,232			1.00	0.04	0.96	
1920	4.50e-03	0.02	0.0	229,230,0	0.03	6.01e-03	8.66e-03210,230,230	0.12	210	0.87	0.06	0.94	
	0.03	0.02	0.0	210,209,0	0.03	2.13e-03	2.13e-03210,230,230			1.00	0.04	0.96	
1923	0.01	0.03	0.0	223,204,0	0.05	5.27e-03	8.11e-03210,229,230	0.16	210	0.87	0.06	0.94	
	0.05	0.03	0.0	210,209,0	0.05	3.44e-03	3.44e-03210,209,209			1.00	0.04	0.96	
1926	0.02	0.03	0.0	210,204,0	0.05	6.81e-03	0.01210,52,52	0.16	210	0.87	0.06	0.94	
	0.08	0.05	0.0	210,209,0	0.05	0.01	0.01210,228,228			1.00	0.04	0.96	
1929	0.02	0.03	0.0	204,207,0	2.82e-03	8.70e-03	0.01210,52,230	0.04	210	0.87	0.06	0.94	
	0.08	0.05	0.0	210,209,0	2.81e-03	0.02	0.02210,230,230			1.00	0.04	0.96	
1948	0.02	0.04	0.0	204,59,0	0.03	8.70e-03	0.01204,52,230	0.13	204	0.87	0.06	0.94	
	0.03	0.02	0.0	224,210,0	0.03	0.02	0.02204,230,230			1.00	0.04	0.96	
1951	0.0	0.04	0.0	0,59,0	0.03	5.43e-03	8.22e-03204,210,210	0.13	204	0.0	0.0	0.0	
	2.03e-03	8.46e-03	0.0	209,210,0	0.03	2.96e-03	2.96e-03204,210,210			1.00	0.04	0.96	
3716	0.02	0.02	0.0	235,232,0	0.01	9.78e-03	0.01204,228,228	0.08	204	0.87	0.06	0.94	
	4.10e-03	3.41e-03	0.0	207,204,0	0.01	4.74e-04	4.74e-04204,228,228			1.00	0.04	0.96	
3717	0.02	0.02	0.0	235,232,0	0.02	9.78e-03	0.01204,228,228	0.10	204	0.87	0.06	0.94	
	7.36e-03	5.66e-03	0.0	207,204,0	0.02	4.89e-04	4.89e-04204,230,230			1.00	0.04	0.96	
3718	0.03	0.03	0.0	231,228,0	0.01	7.16e-03	0.01204,228,228	0.09	204	0.87	0.06	0.94	
	6.76e-03	6.19e-03	0.0	204,207,0	0.01	5.91e-04	5.91e-04204,229,229			1.00	0.04	0.96	
3719	0.03	0.03	0.0	231,228,0	0.02	7.16e-03	0.01204,228,228	0.11	204	0.87	0.06	0.94	
	7.36e-03	6.19e-03	0.0	207,207,0	0.02	5.91e-04	5.91e-04204,229,229			1.00	0.04	0.96	
3720	0.04	0.04	0.0	211,208,0	0.02	4.59e-03	0.01204,228,228	0.11	204	0.87	0.06	0.94	

	0.04	0.03	0.0 207,204,0	0.02	3.14e-03	3.14e-03204,231,231			1.00	0.04	0.96
3721	0.04	0.04	0.0 211,208,0	0.02	4.59e-03	0.01204,228,228	0.11	204	0.87	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.02	3.14e-03	3.14e-03204,231,231			1.00	0.04	0.96
3722	0.04	0.04	0.0 211,208,0	0.02	7.90e-03	0.02204,231,228	0.11	204	0.87	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.02	3.14e-03	3.14e-03204,231,231			1.00	0.04	0.96
3723	0.04	0.04	0.0 211,208,0	0.02	7.90e-03	0.02204,231,228	0.11	204	0.87	0.06	0.94
	0.05	0.04	0.0 207,204,0	0.02	3.14e-03	3.14e-03204,231,231			1.00	0.04	0.96
3724	0.02	0.02	0.0 229,230,0	0.02	9.08e-03	0.01204,234,230	0.11	204	0.87	0.06	0.94
	9.71e-03	7.33e-03	0.0 210,209,0	0.02	7.22e-04	7.22e-04204,232,232			1.00	0.04	0.96
3725	0.02	0.02	0.0 229,230,0	0.02	5.88e-03	0.01204,230,230	0.11	204	0.87	0.06	0.94
	9.71e-03	7.33e-03	0.0 210,209,0	0.02	1.17e-03	1.17e-03204,228,228			1.00	0.04	0.96
3726	0.02	0.02	0.0 229,230,0	0.02	3.17e-03	0.01204,230,230	0.11	204	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.02	1.72e-03	1.72e-03204,228,228			1.00	0.04	0.96
3727	0.02	0.02	0.0 229,231,0	0.02	2.89e-03	0.01204,230,230	0.11	204	0.87	0.06	0.94
	0.04	0.03	0.0 207,204,0	0.02	1.72e-03	1.72e-03204,228,228			1.00	0.04	0.96
3728	0.02	0.02	0.0 229,230,0	0.02	8.61e-03	0.01204,230,230	0.12	204	0.87	0.06	0.94
	0.01	9.49e-03	0.0 210,209,0	0.02	1.02e-03	1.02e-03204,230,230			1.00	0.04	0.96
3729	0.02	0.02	0.0 229,230,0	0.02	5.88e-03	0.01204,230,230	0.12	204	0.87	0.06	0.94
	0.01	9.49e-03	0.0 210,209,0	0.02	1.65e-03	1.65e-03204,230,230			1.00	0.04	0.96
3730	0.02	0.02	0.0 229,230,0	0.02	2.81e-03	0.01204,229,230	0.12	204	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.02	1.72e-03	1.72e-03204,228,228			1.00	0.04	0.96
3731	0.02	0.02	0.0 229,230,0	0.02	2.89e-03	0.01204,230,230	0.11	204	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.02	1.72e-03	1.72e-03204,228,228			1.00	0.04	0.96
3732	0.01	0.02	0.0 229,230,0	0.02	7.87e-03	0.01210,230,230	0.12	210	0.87	0.06	0.94
	0.02	0.01	0.0 210,209,0	0.02	1.22e-03	1.22e-03210,230,230			1.00	0.04	0.96
3733	0.02	0.02	0.0 229,230,0	0.03	5.25e-03	0.01210,230,230	0.12	210	0.87	0.06	0.94
	0.02	0.01	0.0 210,209,0	0.03	1.65e-03	1.65e-03210,230,230			1.00	0.04	0.96
3734	0.02	0.02	0.0 229,230,0	0.03	2.55e-03	9.78e-03210,229,230	0.12	210	0.87	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.03	1.65e-03	1.65e-03210,230,230			1.00	0.04	0.96
3735	0.02	0.02	0.0 229,230,0	0.02	2.72e-03	9.60e-03210,230,230	0.12	210	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.02	1.63e-03	1.63e-03210,230,230			1.00	0.04	0.96
3736	0.01	0.02	0.0 229,230,0	0.03	7.08e-03	9.84e-03210,230,230	0.13	210	0.87	0.06	0.94
	0.03	0.02	0.0 210,209,0	0.03	1.26e-03	1.26e-03210,210,210			1.00	0.04	0.96
3737	0.02	0.02	0.0 229,230,0	0.03	4.64e-03	9.84e-03210,230,230	0.14	210	0.87	0.06	0.94
	0.03	0.02	0.0 210,209,0	0.03	1.65e-03	1.65e-03210,230,230			1.00	0.04	0.96
3738	0.02	0.02	0.0 229,230,0	0.03	2.25e-03	8.77e-03210,229,230	0.14	210	0.87	0.06	0.94
	0.01	9.31e-03	0.0 230,228,0	0.03	1.65e-03	1.65e-03210,230,230			1.00	0.04	0.96
3739	0.02	0.02	0.0 229,230,0	0.03	2.46e-03	8.59e-03210,230,230	0.13	210	0.87	0.06	0.94
	0.01	0.01	0.0 230,228,0	0.03	1.31e-03	1.31e-03210,230,230			1.00	0.04	0.96
3740	8.97e-03	0.02	0.0 229,230,0	0.04	6.01e-03	8.66e-03210,230,230	0.15	210	0.87	0.06	0.94
	0.04	0.02	0.0 210,209,0	0.04	2.16e-03	2.16e-03210,207,207			1.00	0.04	0.96
3741	0.01	0.02	0.0 229,230,0	0.04	3.81e-03	8.48e-03210,229,230	0.15	210	0.87	0.06	0.94
	0.04	0.02	0.0 210,209,0	0.04	2.97e-03	2.97e-03210,220,220			1.00	0.04	0.96
3742	0.01	0.02	0.0 229,230,0	0.04	1.83e-03	7.62e-03210,234,230	0.15	210	0.87	0.06	0.94
	0.02	9.91e-03	0.0 209,210,0	0.04	2.97e-03	2.97e-03210,220,220			1.00	0.04	0.96
3743	0.01	0.02	0.0 229,230,0	0.04	2.00e-03	7.42e-03210,229,230	0.14	210	0.87	0.06	0.94
	0.02	9.91e-03	0.0 209,210,0	0.04	2.67e-03	2.67e-03210,223,223			1.00	0.04	0.96
3744	0.01	0.03	0.0 223,204,0	0.06	5.27e-03	8.11e-03210,229,230	0.18	210	0.87	0.06	0.94
	0.05	0.03	0.0 210,209,0	0.06	6.35e-03	6.35e-03210,220,220			1.00	0.04	0.96
3745	0.01	0.02	0.0 229,230,0	0.06	2.59e-03	6.96e-03210,229,230	0.18	210	0.87	0.06	0.94
	0.05	0.03	0.0 210,209,0	0.06	7.55e-03	7.55e-03210,228,228			1.00	0.04	0.96
3746	0.01	0.02	0.0 229,230,0	0.05	2.41e-03	6.49e-03210,232,230	0.17	210	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	0.05	7.55e-03	7.55e-03210,228,228			1.00	0.04	0.96
3747	0.01	0.02	0.0 229,59,0	0.04	1.35e-03	5.91e-03210,229,230	0.16	210	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	0.04	6.11e-03	6.11e-03210,231,231			1.00	0.04	0.96
3748	0.02	0.03	0.0 210,204,0	0.06	0.01	0.01210,230,232	0.18	210	0.87	0.06	0.94
	0.08	0.05	0.0 210,209,0	0.06	0.02	0.02210,220,220			1.00	0.04	0.96
3749	0.01	0.02	0.0 210,57,0	0.06	0.01	0.01210,230,232	0.18	210	0.87	0.06	0.94
	0.07	0.05	0.0 207,204,0	0.06	0.02	0.02210,220,220			1.00	0.04	0.96
3750	9.41e-03	0.02	0.0 231,57,0	0.05	2.41e-03	5.69e-03210,232,232	0.17	210	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.05	0.01	0.01210,231,231			1.00	0.04	0.96
3751	5.96e-03	0.02	0.0 231,57,0	0.04	1.15e-03	5.25e-03210,220,230	0.16	210	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.04	0.01	0.01210,231,231			1.00	0.04	0.96
3752	0.02	0.03	0.0 204,207,0	0.01	0.01	0.02210,230,230	0.09	210	0.87	0.06	0.94
	0.08	0.05	0.0 210,209,0	0.01	0.02	0.02210,230,230			1.00	0.04	0.96
3753	0.01	0.03	0.0 204,57,0	0.01	0.01	0.02210,230,230	0.09	210	0.87	0.06	0.94
	0.07	0.05	0.0 207,204,0	0.01	0.02	0.02210,230,230			1.00	0.04	0.96
3754	6.44e-03	0.03	0.0 223,57,0	0.01	1.73e-03	4.03e-03 204,4,59	0.09	204	0.87	0.06	0.94
	0.06	0.03	0.0 220,207,0	0.01	0.01	0.01204,231,231			1.00	0.04	0.96
3755	2.50e-03	0.03	0.0 223,57,0	0.01	1.13e-03	3.96e-03 204,52,59	0.09	204	0.87	0.06	0.94
	0.06	0.03	0.0 220,207,0	0.01	0.01	0.01204,232,232			1.00	0.04	0.96
3756	0.03	0.03	0.0 231,228,0	6.67e-03	7.90e-03	0.02204,231,228	0.06	204	0.87	0.06	0.94
	0.05	0.04	0.0 207,204,0	6.67e-03	2.14e-03	2.14e-03204,231,231			1.00	0.04	0.96
3757	0.03	0.03	0.0 231,228,0	6.67e-03	7.90e-03	0.02204,231,228	0.06	204	0.87	0.06	0.94
	0.05	0.04	0.0 207,204,0	6.67e-03	2.14e-03	2.14e-03204,231,231			1.00	0.04	0.96

3758	0.02	0.02	0.0 231,228,0	6.67e-03	7.99e-03	0.01204,234,228	0.06	204	0.87	0.06	0.94
	5.67e-03	9.70e-03	0.0 233,234,0	6.67e-03	1.44e-03	1.44e-03204,231,231			1.00	0.04	0.96
3759	0.02	0.02	0.0 231,228,0	6.67e-03	9.59e-03	0.01204,230,228	0.06	204	0.87	0.06	0.94
	5.67e-03	9.70e-03	0.0 233,234,0	6.67e-03	1.44e-03	1.44e-03204,231,231			1.00	0.04	0.96
3760	5.53e-03	6.10e-03	0.0 231,228,0	5.92e-03	7.99e-03	9.86e-03204,234,234	0.06	204	0.87	0.06	0.94
	4.62e-03	4.57e-03	0.0 233,234,0	5.91e-03	1.35e-03	1.35e-03204,231,231			1.00	0.04	0.96
3761	6.43e-03	6.10e-03	0.0 229,228,0	5.92e-03	9.59e-03	0.01204,230,230	0.06	204	0.87	0.06	0.94
	4.62e-03	4.57e-03	0.0 233,234,0	5.91e-03	1.35e-03	1.35e-03204,231,231			1.00	0.04	0.96
3762	0.02	0.02	0.0 229,230,0	7.77e-03	6.18e-03	0.01204,228,234	0.07	204	0.87	0.06	0.94
	0.04	0.03	0.0 207,204,0	7.77e-03	1.24e-03	1.24e-03204,228,228			1.00	0.04	0.96
3763	0.02	0.01	0.0 233,234,0	5.36e-03	9.59e-03	0.01210,230,234	0.06	210	0.87	0.06	0.94
	5.48e-03	9.28e-03	0.0 231,228,0	5.35e-03	1.00e-03	1.00e-03210,233,233			1.00	0.04	0.96
3764	6.43e-03	5.35e-03	0.0 229,230,0	4.89e-03	9.59e-03	0.01210,230,230	0.05	210	0.87	0.06	0.94
	3.04e-03	2.00e-03	0.0 229,232,0	4.89e-03	6.16e-04	6.16e-04210,235,235			1.00	0.04	0.96
3765	0.02	0.02	0.0 229,230,0	0.01	5.90e-03	0.01210,230,230	0.08	210	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.01	1.28e-03	1.28e-03210,229,229			1.00	0.04	0.96
3766	0.02	0.01	0.0 229,230,0	8.65e-03	9.17e-03	0.01210,229,230	0.07	210	0.87	0.06	0.94
	5.40e-03	8.49e-03	0.0 235,232,0	8.65e-03	7.06e-04	7.06e-04210,229,229			1.00	0.04	0.96
3767	6.10e-03	5.06e-03	0.0 229,230,0	7.54e-03	9.17e-03	0.01210,229,230	0.07	210	0.87	0.06	0.94
	2.56e-03	1.03e-03	0.0 220,223,0	7.53e-03	6.29e-04	6.29e-04210,231,231			1.00	0.04	0.96
3768	0.02	0.02	0.0 229,230,0	0.02	5.38e-03	0.01210,230,230	0.09	210	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.02	1.28e-03	1.28e-03210,229,229			1.00	0.04	0.96
3769	0.01	0.01	0.0 229,230,0	0.01	8.21e-03	0.01210,229,230	0.08	210	0.87	0.06	0.94
	7.69e-03	9.69e-03	0.0 229,230,0	0.01	7.06e-04	7.06e-04210,229,229			1.00	0.04	0.96
3770	5.30e-03	4.53e-03	0.0 229,230,0	0.01	8.21e-03	0.01210,229,230	0.08	210	0.87	0.06	0.94
	3.89e-03	2.30e-03	0.0 229,230,0	0.01	6.29e-04	6.29e-04210,231,231			1.00	0.04	0.96
3771	0.02	0.02	0.0 229,230,0	0.02	4.77e-03	9.16e-03210,230,230	0.11	210	0.87	0.06	0.94
	0.01	0.01	0.0 223,230,0	0.02	1.01e-03	1.01e-03210,204,204			1.00	0.04	0.96
3772	0.01	0.01	0.0 229,230,0	0.02	7.24e-03	9.16e-03210,229,230	0.10	210	0.87	0.06	0.94
	9.36e-03	0.01	0.0 229,230,0	0.02	9.89e-04	9.89e-04210,220,220			1.00	0.04	0.96
3773	4.37e-03	4.28e-03	0.0 229,230,0	0.01	7.24e-03	8.85e-03210,229,229	0.09	210	0.87	0.06	0.94
	5.56e-03	4.03e-03	0.0 217,218,0	0.01	6.20e-04	6.20e-04210,233,233			1.00	0.04	0.96
3774	0.01	0.02	0.0 229,230,0	0.03	4.06e-03	7.98e-03210,230,230	0.12	210	0.87	0.06	0.94
	0.02	0.01	0.0 209,230,0	0.03	2.26e-03	2.26e-03210,228,228			1.00	0.04	0.96
3775	0.01	0.01	0.0 229,230,0	0.02	6.23e-03	7.98e-03210,230,230	0.12	210	0.87	0.06	0.94
	9.36e-03	0.01	0.0 229,230,0	0.02	2.26e-03	2.26e-03210,228,228			1.00	0.04	0.96
3776	4.14e-03	4.67e-03	0.0 229,229,0	0.02	6.23e-03	7.73e-03210,230,230	0.10	210	0.87	0.06	0.94
	9.00e-03	7.11e-03	0.0 209,210,0	0.02	9.15e-04	9.15e-04210,224,224			1.00	0.04	0.96
3777	9.75e-03	0.02	0.0 229,259,0	0.03	3.45e-03	6.84e-03210,230,230	0.14	210	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	0.03	4.17e-03	4.17e-03210,231,231			1.00	0.04	0.96
3778	6.55e-03	0.02	0.0 229,259,0	0.03	5.42e-03	7.89e-03210,230,230	0.13	210	0.87	0.06	0.94
	0.01	0.01	0.0 209,234,0	0.03	3.52e-03	3.52e-03210,231,231			1.00	0.04	0.96
3779	4.75e-03	0.01	0.0 229,230,0	0.03	5.42e-03	7.89e-03210,230,230	0.12	210	0.87	0.06	0.94
	9.00e-03	0.01	0.0 209,230,0	0.03	2.08e-03	2.08e-03210,228,228			1.00	0.04	0.96
3780	6.55e-03	0.03	0.0 229,259,0	0.03	9.38e-03	0.01210,230,230	0.14	210	0.87	0.06	0.94
	0.05	0.03	0.0 204,207,0	0.03	0.01	0.01210,231,231			1.00	0.04	0.96
3781	6.55e-03	0.03	0.0 229,259,0	0.03	0.01	0.02210,230,230	0.13	210	0.87	0.06	0.94
	0.01	0.03	0.0 209,210,0	0.03	0.01	0.01210,230,230			1.00	0.04	0.96
3782	4.75e-03	0.02	0.0 229,259,0	0.03	0.01	0.02210,230,230	0.12	210	0.87	0.06	0.94
	0.01	0.03	0.0 229,230,0	0.03	0.01	0.01210,230,230			1.00	0.04	0.96
3783	2.97e-03	0.03	0.0 229,259,0	5.86e-03	0.01	0.02210,230,230	0.06	210	0.87	0.06	0.94
	0.06	0.03	0.0 220,207,0	5.86e-03	0.01	0.01210,232,232			1.00	0.04	0.96
3784	3.75e-03	0.03	0.0 229,259,0	5.60e-03	0.01	0.02230,230,230	0.06	230	0.87	0.06	0.94
	0.02	0.03	0.0 210,210,0	5.58e-03	0.01	0.01230,230,230			1.00	0.04	0.96
3785	3.75e-03	0.03	0.0 229,259,0	1.60e-03	0.01	0.0259,230,230	0.03	59	0.87	0.06	0.94
	0.02	0.03	0.0 210,230,0	1.59e-03	0.01	0.0159,230,230			1.00	0.04	0.96
3794	0.02	0.04	0.0 204,259,0	0.03	0.01	0.02204,230,230	0.14	204	0.87	0.06	0.94
	0.03	0.02	0.0 230,210,0	0.03	0.02	0.02204,230,230			1.00	0.04	0.96
3795	0.02	0.04	0.0 209,210,0	0.03	0.01	0.02204,230,230	0.14	204	0.87	0.06	0.94
	0.03	0.02	0.0 230,230,0	0.03	0.02	0.02204,230,230			1.00	0.04	0.96
3796	0.05	0.05	0.0 209,210,0	0.03	4.70e-03	8.45e-03204,230,230	0.14	204	0.87	0.06	0.94
	0.06	0.03	0.0 220,223,0	0.03	9.10e-03	9.10e-03204,228,228			1.00	0.04	0.96
3797	0.05	0.05	0.0 209,210,0	0.03	4.70e-03	8.45e-03204,230,230	0.14	204	0.87	0.06	0.94
	0.06	0.03	0.0 204,223,0	0.03	0.01	0.01204,232,232			1.00	0.04	0.96
3798	0.01	0.04	0.0 209,259,0	0.03	5.43e-03	8.22e-03204,210,210	0.14	204	0.87	0.06	0.94
	5.46e-03	8.46e-03	0.0 229,210,0	0.03	5.60e-03	5.60e-03204,230,230			1.00	0.04	0.96
3799	0.02	0.04	0.0 209,210,0	0.03	3.31e-03	7.58e-03204,230,210	0.14	204	0.87	0.06	0.94
	0.01	7.37e-03	0.0 210,220,0	0.03	5.60e-03	5.60e-03204,230,230			1.00	0.04	0.96
3800	0.05	0.05	0.0 209,210,0	0.03	4.70e-03	8.45e-03204,230,230	0.14	204	0.87	0.06	0.94
	0.06	0.02	0.0 204,207,0	0.03	6.41e-03	6.41e-03204,228,228			1.00	0.04	0.96
3801	0.05	0.05	0.0 209,210,0	0.03	4.70e-03	8.45e-03204,230,230	0.14	204	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.03	6.41e-03	6.41e-03204,228,228			1.00	0.04	0.96
3802	0.02	0.03	0.0 204,259,0	0.02	0.01	0.02204,230,230	0.11	204	0.87	0.06	0.94
	0.06	0.03	0.0 204,223,0	0.02	0.01	0.01204,232,232			1.00	0.04	0.96
3803	9.32e-03	0.03	0.0 204,259,0	0.02	0.01	0.0259,230,230	0.11	59	0.87	0.06	0.94

	0.03	0.02	0.0	210,204,0	0.02	0.01	0.0159,230,230			1.00	0.04	0.96
3804	1.74e-03	0.03	0.0	210,59,0	0.02	0.01	0.0259,230,230	0.11	59	0.87	0.06	0.94
	0.02	0.02	0.0	210,204,0	0.02	0.01	0.0159,230,230			1.00	0.04	0.96
3805	0.02	0.03	0.0	204,207,0	0.02	1.40e-03	4.51e-03204,52,207	0.11	204	0.87	0.06	0.94
	0.06	0.03	0.0	204,207,0	0.02	5.16e-03	5.16e-03204,228,228			1.00	0.04	0.96
3806	9.32e-03	0.02	0.0	204,210,0	0.02	4.37e-03	6.22e-0359,234,234	0.11	59	0.87	0.06	0.94
	0.03	0.01	0.0	210,209,0	0.02	2.60e-03	2.60e-03 59,4,4			1.00	0.04	0.96
3807	4.00e-04	0.02	0.0	227,59,0	0.02	4.37e-03	6.22e-0359,234,234	0.11	59	0.87	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.02	1.34e-03	1.34e-0359,221,221			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.08	0.05	0.0		0.06	0.02	0.02		0.18			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
101	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3703	0.01	5.42e-03	0.0	220,223,0	0.04	4.93e-03	7.23e-03204,231,231		0.16	204	0.53	0.09	0.91
	0.06	0.04	0.0	204,211,0	0.04	8.70e-03	8.70e-03204,231,231				1.00	0.04	0.96
3713	0.01	5.52e-03	0.0	220,220,0	0.04	4.93e-03	7.23e-03204,231,231		0.16	204	0.53	0.09	0.91
	0.06	0.04	0.0	204,211,0	0.04	8.70e-03	8.70e-03204,231,231				1.00	0.04	0.96
3714	5.17e-03	8.11e-03	0.0	223,230,0	0.04	6.65e-04	1.44e-03204,231,228		0.16	204	0.53	0.09	0.91
	0.05	0.03	0.0	208,211,0	0.04	4.63e-03	4.63e-03204,211,211				1.00	0.04	0.96
3715	4.45e-03	8.11e-03	0.0	229,230,0	0.04	9.52e-04	1.44e-03204,229,228		0.15	204	0.53	0.09	0.91
	0.02	0.01	0.0	205,206,0	0.04	4.63e-03	4.63e-03204,211,211				1.00	0.04	0.96
3722	0.03	0.03	0.0	211,208,0	0.05	4.46e-03	8.34e-03204,231,228		0.16	204	0.53	0.09	0.91
	0.05	0.04	0.0	207,204,0	0.05	0.01	0.01204,231,231				1.00	0.04	0.96
3756	0.03	0.03	0.0	211,208,0	0.05	4.46e-03	8.34e-03204,231,228		0.16	204	0.53	0.09	0.91
	0.05	0.04	0.0	207,204,0	0.05	0.01	0.01204,231,231				1.00	0.04	0.96
3758	3.68e-03	6.01e-03	0.0	235,232,0	0.04	9.58e-04	1.71e-03204,231,228		0.16	204	0.53	0.09	0.91
	0.04	0.04	0.0	211,228,0	0.04	0.01	0.01204,230,230				1.00	0.04	0.96
3760	5.21e-03	6.01e-03	0.0	230,232,0	0.04	1.15e-03	1.84e-03204,232,229		0.15	204	0.53	0.09	0.91
	0.03	0.02	0.0	235,232,0	0.04	0.01	0.01204,230,230				1.00	0.04	0.96
3786	0.01	9.65e-03	0.0	207,229,0	0.05	4.93e-03	7.23e-03204,231,231		0.17	204	0.53	0.09	0.91
	0.06	0.04	0.0	204,211,0	0.05	8.70e-03	8.70e-03204,231,231				1.00	0.04	0.96
3787	0.01	9.65e-03	0.0	207,229,0	0.04	4.93e-03	7.23e-03204,231,231		0.16	204	0.53	0.09	0.91
	0.06	0.04	0.0	204,211,0	0.04	8.70e-03	8.70e-03204,231,231				1.00	0.04	0.96
3788	5.17e-03	8.11e-03	0.0	223,230,0	0.05	9.52e-04	1.44e-03204,229,228		0.17	204	0.53	0.09	0.91
	0.05	0.03	0.0	208,211,0	0.05	7.52e-03	7.52e-03204,231,231				1.00	0.04	0.96
3789	3.59e-03	2.46e-03	0.0	230,229,0	0.04	9.52e-04	1.23e-03204,229,229		0.16	204	0.53	0.09	0.91
	8.48e-03	5.71e-03	0.0	231,231,0	0.04	7.52e-03	7.52e-03204,231,231				1.00	0.04	0.96
3790	0.03	0.03	0.0	211,208,0	0.05	4.46e-03	8.34e-03204,231,228		0.17	204	0.53	0.09	0.91
	0.05	0.04	0.0	207,204,0	0.05	0.01	0.01204,231,231				1.00	0.04	0.96
3791	0.03	0.03	0.0	211,208,0	0.05	4.46e-03	8.34e-03204,231,228		0.16	204	0.53	0.09	0.91
	0.05	0.04	0.0	207,204,0	0.05	0.01	0.01204,231,231				1.00	0.04	0.96
3792	5.21e-03	6.01e-03	0.0	230,232,0	0.05	1.15e-03	1.84e-03204,232,229		0.17	204	0.53	0.09	0.91
	0.04	0.04	0.0	211,228,0	0.05	0.01	0.01204,230,230				1.00	0.04	0.96
3793	5.21e-03	2.94e-03	0.0	230,229,0	0.04	1.15e-03	1.84e-03204,232,229		0.16	204	0.53	0.09	0.91
	0.01	7.80e-03	0.0	231,228,0	0.04	9.53e-03	9.53e-03204,231,231				1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.06	0.04	0.0		0.05	0.01	0.01		0.17				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
102	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.34	63.3	172	0.25	-46.2	178	0.11	-8893.7	-7.189e+05	220

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2000	4.27e-03	0.01	0.0	229,230,0	0.02	7.15e-03	9.61e-03	204,231,232	0.10	204	0.87	0.06	0.94
	2.51e-03	1.94e-03	0.0	205,206,0	0.02	5.31e-04	5.31e-04	204,211,211			1.00	0.04	0.96
2001	4.27e-03	0.01	0.0	229,230,0	0.02	7.15e-03	9.61e-03	204,231,232	0.11	204	0.87	0.06	0.94
	2.51e-03	1.94e-03	0.0	205,206,0	0.02	5.31e-04	5.31e-04	204,211,211			1.00	0.04	0.96
2004	4.53e-03	0.01	0.0	229,230,0	0.02	6.67e-03	9.13e-03	204,228,230	0.12	204	0.87	0.06	0.94
	4.68e-03	2.25e-03	0.0	230,229,0	0.02	5.78e-04	5.78e-04	204,204,204			1.00	0.04	0.96
2007	4.53e-03	0.01	0.0	229,230,0	0.02	6.49e-03	9.04e-03	204,230,230	0.12	204	0.87	0.06	0.94
	8.54e-03	4.44e-03	0.0	210,209,0	0.02	5.78e-04	5.78e-04	204,204,204			1.00	0.04	0.96
2010	1.80e-03	0.01	0.0	229,52,0	0.02	6.25e-03	8.43e-03	204,222,222	0.12	204	0.87	0.06	0.94
	0.01	5.86e-03	0.0	210,209,0	0.02	6.71e-04	6.71e-04	204,232,232			1.00	0.04	0.96
2013	0.0	0.01	0.0	0,52,0	0.02	6.06e-03	8.22e-03	204,222,222	0.12	204	0.0	0.0	0.0
	0.02	7.70e-03	0.0	210,209,0	0.02	8.05e-04	8.05e-04	204,232,232			1.00	0.04	0.96
2016	0.0	0.02	0.0	0,52,0	0.02	5.77e-03	8.07e-03	204,222,222	0.12	210	0.0	0.0	0.0
	0.02	0.01	0.0	210,209,0	0.02	1.10e-03	1.10e-03	204,230,230			1.00	0.04	0.96
2019	2.07e-03	0.02	0.0	229,52,0	0.03	5.13e-03	7.64e-03	204,222,222	0.12	210	0.87	0.06	0.94
	0.04	0.02	0.0	210,209,0	0.03	2.03e-03	2.03e-03	204,230,230			1.00	0.04	0.96
2022	0.01	0.03	0.0	231,228,0	0.05	4.43e-03	7.45e-03	204,229,230	0.16	210	0.87	0.06	0.94
	0.05	0.03	0.0	210,209,0	0.05	3.05e-03	3.05e-03	204,206,206			1.00	0.04	0.96
2025	0.01	0.03	0.0	231,228,0	0.05	5.40e-03	8.55e-03	204,210,52,59	0.16	210	0.87	0.06	0.94
	0.08	0.04	0.0	210,209,0	0.05	0.01	0.01	204,228,228			1.00	0.04	0.96
2028	0.02	0.03	0.0	209,210,0	2.64e-03	0.01	0.02	204,230,230	0.04	210	0.87	0.06	0.94
	0.08	0.04	0.0	210,209,0	2.64e-03	0.01	0.01	204,228,228			1.00	0.04	0.96
2043	0.02	0.03	0.0	209,210,0	3.80e-04	0.01	0.02	204,230,230	0.01	220	0.87	0.06	0.94
	0.02	8.67e-03	0.0	230,229,0	3.70e-04	0.01	0.01	204,210,210			1.00	0.04	0.96
3808	0.01	0.02	0.0	223,220,0	0.02	7.15e-03	0.01	204,231,228	0.10	204	0.87	0.06	0.94
	3.77e-03	2.92e-03	0.0	207,204,0	0.02	5.31e-04	5.31e-04	204,211,211			1.00	0.04	0.96
3809	0.01	0.02	0.0	223,220,0	0.02	7.15e-03	0.01	204,231,228	0.12	204	0.87	0.06	0.94
	6.39e-03	3.96e-03	0.0	210,209,0	0.02	5.31e-04	5.31e-04	204,211,211			1.00	0.04	0.96
3810	0.02	0.04	0.0	223,220,0	0.02	5.18e-03	0.01	204,231,228	0.10	204	0.87	0.06	0.94
	6.02e-03	6.09e-03	0.0	204,207,0	0.02	4.74e-04	4.74e-04	204,230,230			1.00	0.04	0.96
3811	0.02	0.04	0.0	223,220,0	0.02	5.18e-03	0.01	204,231,228	0.12	204	0.87	0.06	0.94
	6.39e-03	6.09e-03	0.0	210,207,0	0.02	4.74e-04	4.74e-04	204,230,230			1.00	0.04	0.96
3812	0.03	0.05	0.0	223,220,0	0.03	3.27e-03	0.01	204,231,220	0.13	204	0.87	0.06	0.94
	0.04	0.04	0.0	207,204,0	0.03	2.33e-03	2.33e-03	204,233,233			1.00	0.04	0.96
3813	0.03	0.05	0.0	223,220,0	0.03	3.27e-03	0.01	204,231,220	0.13	204	0.87	0.06	0.94
	0.04	0.04	0.0	207,204,0	0.03	2.33e-03	2.33e-03	204,233,233			1.00	0.04	0.96
3814	0.03	0.05	0.0	223,220,0	0.03	5.57e-03	0.01	204,231,228	0.13	204	0.87	0.06	0.94
	0.04	0.04	0.0	207,204,0	0.03	2.33e-03	2.33e-03	204,233,233			1.00	0.04	0.96
3815	0.03	0.05	0.0	223,220,0	0.03	5.57e-03	0.01	204,231,228	0.13	204	0.87	0.06	0.94
	0.04	0.04	0.0	207,204,0	0.03	2.33e-03	2.33e-03	204,233,233			1.00	0.04	0.96
3816	0.01	0.02	0.0	229,230,0	0.02	6.67e-03	9.68e-03	204,228,230	0.12	204	0.87	0.06	0.94
	9.17e-03	4.98e-03	0.0	210,209,0	0.02	5.78e-04	5.78e-04	204,204,204			1.00	0.04	0.96
3817	0.02	0.02	0.0	229,230,0	0.02	4.72e-03	9.68e-03	204,231,230	0.12	204	0.87	0.06	0.94
	9.17e-03	4.98e-03	0.0	210,209,0	0.02	9.27e-04	9.27e-04	204,220,220			1.00	0.04	0.96
3818	0.02	0.02	0.0	220,223,0	0.02	2.56e-03	9.11e-03	204,233,234	0.12	204	0.87	0.06	0.94
	0.03	0.03	0.0	207,204,0	0.02	1.35e-03	1.35e-03	204,224,224			1.00	0.04	0.96
3819	0.02	0.02	0.0	220,223,0	0.02	2.37e-03	8.54e-03	204,228,230	0.12	204	0.87	0.06	0.94
	0.03	0.03	0.0	207,204,0	0.02	1.35e-03	1.35e-03	204,224,224			1.00	0.04	0.96
3820	0.01	0.02	0.0	229,230,0	0.03	6.49e-03	9.30e-03	204,230,230	0.12	204	0.87	0.06	0.94
	0.01	5.78e-03	0.0	210,209,0	0.03	8.22e-04	8.22e-04	204,226,226			1.00	0.04	0.96
3821	0.02	0.02	0.0	229,230,0	0.03	4.44e-03	9.30e-03	204,230,230	0.12	204	0.87	0.06	0.94
	0.01	5.78e-03	0.0	210,209,0	0.03	1.29e-03	1.29e-03	204,222,222			1.00	0.04	0.96
3822	0.02	0.02	0.0	229,230,0	0.03	2.15e-03	8.32e-03	204,230,230	0.12	204	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.03	1.47e-03	1.47e-03	204,222,222			1.00	0.04	0.96
3823	0.02	0.02	0.0	229,230,0	0.02	2.19e-03	8.01e-03	204,230,230	0.11	204	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.02	1.47e-03	1.47e-03	204,222,222			1.00	0.04	0.96
3824	9.32e-03	0.02	0.0	229,230,0	0.03	6.25e-03	8.67e-03	204,222,222	0.12	204	0.87	0.06	0.94
	0.02	7.21e-03	0.0	230,209,0	0.03	1.11e-03	1.11e-03	204,222,222			1.00	0.04	0.96
3825	0.01	0.02	0.0	229,230,0	0.03	4.22e-03	8.67e-03	204,222,222	0.12	204	0.87	0.06	0.94
	0.02	7.21e-03	0.0	230,209,0	0.03	1.52e-03	1.52e-03	204,222,222			1.00	0.04	0.96
3826	0.02	0.02	0.0	229,230,0	0.03	2.07e-03	7.85e-03	204,222,222	0.12	204	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.03	1.52e-03	1.52e-03	204,222,222			1.00	0.04	0.96
3827	0.02	0.02	0.0	229,230,0	0.02	2.19e-03	7.70e-03	204,222,222	0.11	204	0.87	0.06	0.94
	0.02	0.02	0.0	207,204,0	0.02	1.47e-03	1.47e-03	204,222,222			1.00	0.04	0.96
3828	7.43e-03	0.02	0.0	229,222,0	0.03	6.06e-03	8.41e-03	204,222,222	0.12	210	0.87	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.03	1.16e-03	1.16e-03	204,222,222			1.00	0.04	0.96
3829	0.01	0.02	0.0	229,222,0	0.03	4.06e-03	8.41e-03	204,222,222	0.12	210	0.87	0.06	0.94
	0.02	0.01	0.0	210,209,0	0.03	1.52e-03	1.52e-03	204,222,222			1.00	0.04	0.96
3830	0.01	0.02	0.0	221,222,0	0.03	1.98e-03	7.56e-03	204,221,222	0.12	210	0.87	0.06	0.94
	0.01	0.01	0.0	222,208,0	0.03	1.52e-03	1.52e-03	204,222,222			1.00	0.04	0.96
3831	0.01	0.02	0.0	221,222,0	0.02	2.16e-03	7.43e-03	204,222,222	0.12	210	0.87	0.06	0.94
	0.01	0.01	0.0	222,208,0	0.02	1.47e-03	1.47e-03	204,222,222			1.00	0.04	0.96
3832	5.90e-03	0.02	0.0	221,52,0	0.03	5.77e-03	8.07e-03	204,222,222	0.13	210	0.87	0.06	0.94

	0.03	0.01	0.0 210,229,0	0.03	1.46e-03	1.46e-03210,210,210			1.00	0.04	0.96
3833	0.01	0.02	0.0 221,222,0	0.03	3.76e-03	8.07e-03210,222,222	0.14	210	0.87	0.06	0.94
	0.03	0.01	0.0 210,229,0	0.03	1.59e-03	1.59e-03210,210,210			1.00	0.04	0.96
3834	0.01	0.02	0.0 221,222,0	0.03	1.78e-03	7.16e-03210,221,222	0.14	210	0.87	0.06	0.94
	0.02	9.80e-03	0.0 222,221,0	0.03	1.59e-03	1.59e-03210,210,210			1.00	0.04	0.96
3835	0.01	0.02	0.0 221,222,0	0.03	2.02e-03	6.99e-03210,222,222	0.13	210	0.87	0.06	0.94
	0.02	9.68e-03	0.0 222,221,0	0.03	1.30e-03	1.30e-03210,207,207			1.00	0.04	0.96
3836	5.67e-03	0.02	0.0 229,52,0	0.04	5.13e-03	7.64e-03210,222,222	0.15	210	0.87	0.06	0.94
	0.04	0.02	0.0 210,209,0	0.04	2.48e-03	2.48e-03210,207,207			1.00	0.04	0.96
3837	8.35e-03	0.02	0.0 221,230,0	0.04	3.17e-03	7.35e-03210,222,222	0.15	210	0.87	0.06	0.94
	0.04	0.02	0.0 210,209,0	0.04	2.86e-03	2.86e-03210,223,223			1.00	0.04	0.96
3838	0.01	0.02	0.0 221,222,0	0.04	1.50e-03	6.52e-03210,222,222	0.15	210	0.87	0.06	0.94
	0.03	0.01	0.0 209,210,0	0.04	2.86e-03	2.86e-03210,223,223			1.00	0.04	0.96
3839	0.01	0.02	0.0 221,226,0	0.04	1.72e-03	6.33e-03210,222,222	0.14	210	0.87	0.06	0.94
	0.03	0.01	0.0 209,210,0	0.04	2.82e-03	2.82e-03210,223,223			1.00	0.04	0.96
3840	0.01	0.03	0.0 231,228,0	0.06	4.43e-03	7.45e-03210,229,230	0.18	210	0.87	0.06	0.94
	0.05	0.03	0.0 210,209,0	0.06	5.61e-03	5.61e-03210,220,220			1.00	0.04	0.96
3841	0.01	0.02	0.0 231,220,0	0.06	2.19e-03	6.26e-03210,221,222	0.18	210	0.87	0.06	0.94
	0.05	0.02	0.0 210,209,0	0.06	7.15e-03	7.15e-03210,220,220			1.00	0.04	0.96
3842	0.01	0.02	0.0 223,220,0	0.05	2.04e-03	5.87e-03210,226,222	0.17	210	0.87	0.06	0.94
	0.04	0.02	0.0 208,211,0	0.05	7.15e-03	7.15e-03210,220,220			1.00	0.04	0.96
3843	8.63e-03	0.02	0.0 223,220,0	0.04	1.15e-03	5.30e-03210,229,222	0.16	210	0.87	0.06	0.94
	0.04	0.02	0.0 208,211,0	0.04	6.11e-03	6.11e-03210,223,223			1.00	0.04	0.96
3844	0.01	0.03	0.0 231,228,0	0.06	0.01	0.01210,230,234	0.18	210	0.87	0.06	0.94
	0.08	0.04	0.0 210,209,0	0.06	0.02	0.02210,220,220			1.00	0.04	0.96
3845	0.01	0.02	0.0 231,220,0	0.06	0.01	0.01210,230,234	0.18	210	0.87	0.06	0.94
	0.07	0.04	0.0 210,209,0	0.06	0.02	0.02210,220,220			1.00	0.04	0.96
3846	0.01	0.02	0.0 223,220,0	0.05	2.04e-03	5.50e-03210,226,224	0.17	210	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.05	0.01	0.01210,225,225			1.00	0.04	0.96
3847	8.63e-03	0.02	0.0 223,57,0	0.04	7.82e-04	4.96e-03210,52,226	0.16	210	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.04	0.01	0.01210,225,225			1.00	0.04	0.96
3848	0.02	0.03	0.0 204,57,0	0.01	0.01	0.02210,230,230	0.09	210	0.87	0.06	0.94
	0.08	0.04	0.0 210,209,0	0.01	0.02	0.02210,220,220			1.00	0.04	0.96
3849	0.03	0.03	0.0 204,207,0	0.01	0.01	0.02210,230,230	0.09	210	0.87	0.06	0.94
	0.07	0.04	0.0 210,209,0	0.01	0.02	0.02210,220,220			1.00	0.04	0.96
3850	0.05	0.05	0.0 204,207,0	0.01	1.70e-03	5.23e-03210,225,207	0.09	210	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.01	0.01	0.01210,225,225			1.00	0.04	0.96
3851	0.05	0.05	0.0 204,207,0	0.01	1.70e-03	5.01e-03210,225,223	0.09	210	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	0.01	0.02	0.02210,226,226			1.00	0.04	0.96
3852	0.03	0.04	0.0 223,220,0	0.01	5.69e-03	0.01204,231,228	0.09	204	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.01	1.55e-03	1.55e-03204,233,233			1.00	0.04	0.96
3853	0.03	0.04	0.0 223,220,0	0.01	5.69e-03	0.01204,231,228	0.09	204	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.01	1.55e-03	1.55e-03204,233,233			1.00	0.04	0.96
3854	0.02	0.02	0.0 223,220,0	0.01	6.55e-03	0.01204,231,228	0.09	204	0.87	0.06	0.94
	0.01	5.37e-03	0.0 230,229,0	0.01	1.04e-03	1.04e-03204,220,220			1.00	0.04	0.96
3855	0.02	0.02	0.0 223,220,0	0.01	7.00e-03	0.01204,231,228	0.09	204	0.87	0.06	0.94
	0.01	5.37e-03	0.0 230,229,0	0.01	1.04e-03	1.04e-03204,220,220			1.00	0.04	0.96
3856	4.80e-03	6.45e-03	0.0 223,220,0	0.01	6.55e-03	8.25e-03204,231,228	0.09	204	0.87	0.06	0.94
	0.01	4.58e-03	0.0 230,229,0	0.01	8.58e-04	8.58e-04204,231,231			1.00	0.04	0.96
3857	4.80e-03	6.45e-03	0.0 223,220,0	0.01	7.00e-03	8.59e-03204,231,228	0.09	204	0.87	0.06	0.94
	0.01	4.58e-03	0.0 230,229,0	0.01	8.58e-04	8.58e-04204,231,231			1.00	0.04	0.96
3858	0.02	0.02	0.0 229,230,0	9.09e-03	5.01e-03	9.34e-03209,231,232	0.07	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	9.09e-03	1.04e-03	1.04e-03209,224,224			1.00	0.04	0.96
3859	0.01	0.01	0.0 229,230,0	7.05e-03	7.00e-03	9.34e-03209,231,232	0.06	209	0.87	0.06	0.94
	8.22e-03	4.56e-03	0.0 230,229,0	7.05e-03	8.85e-04	8.85e-04209,233,233			1.00	0.04	0.96
3860	4.55e-03	4.07e-03	0.0 229,230,0	6.01e-03	7.00e-03	8.59e-03204,231,228	0.06	204	0.87	0.06	0.94
	8.22e-03	2.50e-03	0.0 230,229,0	6.01e-03	4.57e-04	4.57e-04204,232,232			1.00	0.04	0.96
3861	0.02	0.02	0.0 229,230,0	0.01	4.48e-03	8.69e-03210,230,230	0.08	210	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.01	1.22e-03	1.22e-03210,222,222			1.00	0.04	0.96
3862	0.01	0.01	0.0 229,230,0	8.44e-03	6.92e-03	8.69e-03210,230,230	0.07	210	0.87	0.06	0.94
	8.22e-03	4.00e-03	0.0 230,221,0	8.43e-03	7.24e-04	7.24e-04210,221,221			1.00	0.04	0.96
3863	4.55e-03	3.99e-03	0.0 229,230,0	6.57e-03	6.92e-03	8.50e-03204,230,230	0.06	204	0.87	0.06	0.94
	8.22e-03	1.80e-03	0.0 230,229,0	6.57e-03	6.98e-04	6.98e-04204,225,225			1.00	0.04	0.96
3864	0.01	0.01	0.0 229,230,0	0.01	4.34e-03	8.31e-03210,222,222	0.09	210	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.01	1.22e-03	1.22e-03210,222,222			1.00	0.04	0.96
3865	0.01	9.96e-03	0.0 229,230,0	0.01	6.56e-03	8.31e-03210,222,222	0.08	210	0.87	0.06	0.94
	5.61e-03	5.13e-03	0.0 224,225,0	0.01	7.76e-04	7.76e-04210,221,221			1.00	0.04	0.96
3866	4.05e-03	3.64e-03	0.0 229,230,0	8.39e-03	6.56e-03	8.04e-03210,222,222	0.07	210	0.87	0.06	0.94
	5.61e-03	1.89e-03	0.0 224,223,0	8.39e-03	6.98e-04	6.98e-04210,225,225			1.00	0.04	0.96
3867	0.01	0.01	0.0 221,222,0	0.02	4.17e-03	7.95e-03210,222,222	0.10	210	0.87	0.06	0.94
	0.01	0.01	0.0 211,208,0	0.02	1.19e-03	1.19e-03210,222,222			1.00	0.04	0.96
3868	9.82e-03	9.49e-03	0.0 221,222,0	0.01	6.22e-03	7.95e-03210,222,222	0.09	210	0.87	0.06	0.94
	7.13e-03	7.94e-03	0.0 209,230,0	0.01	7.76e-04	7.76e-04210,221,221			1.00	0.04	0.96
3869	3.75e-03	3.49e-03	0.0 221,222,0	0.01	6.22e-03	7.63e-03210,222,222	0.08	210	0.87	0.06	0.94
	7.13e-03	3.85e-03	0.0 209,210,0	0.01	6.68e-04	6.68e-04210,225,225			1.00	0.04	0.96

3870	0.01	0.01	0.0 221,222,0	0.02	3.84e-03	7.39e-03210,222,222	0.11	210	0.87	0.06	0.94
	0.02	0.01	0.0 222,230,0	0.02	1.09e-03	1.09e-03210,207,207			1.00	0.04	0.96
3871	8.82e-03	9.59e-03	0.0 221,222,0	0.02	5.80e-03	7.39e-03210,222,222	0.10	210	0.87	0.06	0.94
	8.87e-03	0.01	0.0 229,230,0	0.02	1.05e-03	1.05e-03210,220,220			1.00	0.04	0.96
3872	3.32e-03	3.72e-03	0.0 221,222,0	0.01	5.80e-03	7.12e-03210,222,222	0.09	210	0.87	0.06	0.94
	8.48e-03	6.19e-03	0.0 209,210,0	0.01	5.41e-04	5.41e-04210,225,225			1.00	0.04	0.96
3873	0.01	0.01	0.0 221,222,0	0.03	3.42e-03	6.73e-03210,222,222	0.13	210	0.87	0.06	0.94
	0.02	0.01	0.0 209,210,0	0.03	2.50e-03	2.50e-03210,220,220			1.00	0.04	0.96
3874	7.92e-03	9.59e-03	0.0 221,222,0	0.02	5.20e-03	6.73e-03210,222,222	0.12	210	0.87	0.06	0.94
	0.01	0.01	0.0 209,210,0	0.02	2.50e-03	2.50e-03210,220,220			1.00	0.04	0.96
3875	3.26e-03	4.23e-03	0.0 221,229,0	0.02	5.20e-03	6.46e-03210,222,222	0.10	210	0.87	0.06	0.94
	0.01	9.66e-03	0.0 209,210,0	0.02	1.19e-03	1.19e-03210,223,223			1.00	0.04	0.96
3876	7.90e-03	0.02	0.0 221,220,0	0.03	3.02e-03	6.03e-03210,222,222	0.14	210	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	0.03	4.31e-03	4.31e-03210,223,223			1.00	0.04	0.96
3877	6.06e-03	0.02	0.0 225,59,0	0.03	4.79e-03	7.03e-03210,222,222	0.14	210	0.87	0.06	0.94
	0.01	0.02	0.0 209,210,0	0.03	3.67e-03	3.67e-03210,223,223			1.00	0.04	0.96
3878	3.56e-03	0.01	0.0 229,59,0	0.03	4.79e-03	7.03e-0352,222,222	0.13	52	0.87	0.06	0.94
	0.01	0.01	0.0 209,230,0	0.03	2.27e-03	2.27e-0352,220,220			1.00	0.04	0.96
3879	7.19e-03	0.03	0.0 223,59,0	0.03	9.01e-03	0.01210,226,226	0.14	210	0.87	0.06	0.94
	0.06	0.03	0.0 220,223,0	0.03	0.01	0.01210,225,225			1.00	0.04	0.96
3880	6.06e-03	0.03	0.0 225,59,0	0.03	0.01	0.02210,226,222	0.14	210	0.87	0.06	0.94
	0.01	0.03	0.0 229,230,0	0.03	0.01	0.01210,222,222			1.00	0.04	0.96
3881	5.62e-03	0.02	0.0 229,59,0	0.03	0.01	0.0252,226,222	0.13	52	0.87	0.06	0.94
	0.01	0.03	0.0 229,230,0	0.03	0.01	0.0152,222,222			1.00	0.04	0.96
3882	0.02	0.03	0.0 204,57,0	8.70e-03	0.01	0.0252,226,226	0.07	52	0.87	0.06	0.94
	0.06	0.03	0.0 220,223,0	8.70e-03	0.02	0.0252,226,226			1.00	0.04	0.96
3883	5.62e-03	0.03	0.0 229,57,0	8.00e-03	0.01	0.02210,226,226	0.07	210	0.87	0.06	0.94
	0.03	0.03	0.0 210,230,0	7.99e-03	0.02	0.02210,222,222			1.00	0.04	0.96
3884	5.62e-03	0.03	0.0 229,57,0	1.91e-03	0.01	0.0259,226,226	0.03	59	0.87	0.06	0.94
	0.03	0.03	0.0 210,230,0	1.91e-03	0.02	0.0259,222,222			1.00	0.04	0.96
3893	0.02	0.03	0.0 204,57,0	5.00e-03	0.01	0.02210,230,230	0.05	210	0.87	0.06	0.94
	0.02	8.67e-03	0.0 230,229,0	4.97e-03	0.01	0.01210,210,210			1.00	0.04	0.96
3894	0.03	0.03	0.0 204,207,0	5.00e-03	0.01	0.02210,230,230	0.05	210	0.87	0.06	0.94
	0.01	6.21e-03	0.0 234,220,0	4.97e-03	7.14e-03	7.14e-03210,234,234			1.00	0.04	0.96
3895	0.05	0.05	0.0 204,207,0	9.58e-03	1.70e-03	5.23e-03204,225,207	0.08	204	0.87	0.06	0.94
	0.05	0.02	0.0 204,207,0	9.59e-03	8.82e-03	8.82e-03204,220,220			1.00	0.04	0.96
3896	0.05	0.05	0.0 204,207,0	9.58e-03	1.70e-03	5.01e-03204,225,223	0.08	204	0.87	0.06	0.94
	0.05	0.02	0.0 204,223,0	9.59e-03	0.02	0.02204,226,226			1.00	0.04	0.96
3897	0.02	0.03	0.0 204,57,0	4.81e-03	0.01	0.02210,226,226	0.05	210	0.87	0.06	0.94
	0.05	0.02	0.0 204,209,0	4.80e-03	0.02	0.02210,226,226			1.00	0.04	0.96
3898	5.47e-03	0.03	0.0 204,57,0	4.81e-03	0.01	0.02210,226,226	0.05	210	0.87	0.06	0.94
	0.03	0.02	0.0 210,209,0	4.80e-03	0.02	0.02210,222,222			1.00	0.04	0.96
3899	0.0	0.03	0.0 0,57,0	7.93e-04	0.01	0.02204,226,226	0.02	204	0.0	0.0	0.0
	0.03	0.02	0.0 210,209,0	7.87e-04	0.02	0.02204,222,222			1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.08 0.05 0.0 0.06 0.02 0.02 0.18

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
103	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.0 kN 0 0.0 kN 0 0.0 0.0 kN kN m 0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3801	0.03	0.01	0.0 204,207,0		0.07	3.85e-03	5.72e-03204,228,231		0.20	204	0.53	0.09	0.91
	0.06	0.03	0.0 204,207,0		0.07	6.17e-03	6.17e-03204,228,228				1.00	0.04	0.96
3805	0.03	0.01	0.0 204,207,0		0.07	3.85e-03	5.72e-03204,228,231		0.21	204	0.53	0.09	0.91
	0.06	0.03	0.0 204,207,0		0.07	6.17e-03	6.17e-03204,228,228				1.00	0.04	0.96
3806	0.01	5.04e-03	0.0 207,204,0		0.07	3.61e-04	8.56e-04204,220,204		0.21	204	0.53	0.09	0.91
	0.04	0.02	0.0 204,207,0		0.07	1.41e-03	1.41e-03204,208,208				1.00	0.04	0.96
3807	9.83e-03	2.78e-03	0.0 230,229,0		0.07	1.13e-03	1.37e-03204,233,229		0.20	204	0.53	0.09	0.91
	0.03	0.02	0.0 204,207,0		0.07	3.16e-03	3.16e-03204,228,228				1.00	0.04	0.96
3814	0.02	0.02	0.0 207,204,0		0.07	2.99e-03	5.90e-03204,228,228		0.21	204	0.53	0.09	0.91
	0.05	0.04	0.0 207,204,0		0.07	9.03e-03	9.03e-03204,231,231				1.00	0.04	0.96
3852	0.02	0.02	0.0 207,204,0		0.08	2.99e-03	5.90e-03204,228,228		0.21	204	0.53	0.09	0.91
	0.05	0.04	0.0 207,204,0		0.08	9.03e-03	9.03e-03204,231,231				1.00	0.04	0.96
3854	7.89e-03	4.14e-03	0.0 210,209,0		0.08	5.47e-04	1.11e-03204,220,223		0.21	204	0.53	0.09	0.91

	0.04	0.04	0.0	223,220,0	0.08	8.73e-03	8.73e-03204,229,229			1.00	0.04	0.96
3856	7.89e-03	4.14e-03	0.0	210,209,0	0.07	1.36e-03	1.89e-03204,234,233	0.20	204	0.53	0.09	0.91
	0.02	0.02	0.0	227,224,0	0.07	8.73e-03	8.73e-03204,229,229			1.00	0.04	0.96
3885	0.03	0.01	0.0	204,207,0	0.08	3.85e-03	5.72e-03204,228,231	0.22	204	0.53	0.09	0.91
	0.06	0.03	0.0	204,207,0	0.08	6.17e-03	6.17e-03204,228,228			1.00	0.04	0.96
3886	0.03	0.01	0.0	204,207,0	0.07	3.85e-03	5.72e-03204,228,231	0.20	204	0.53	0.09	0.91
	0.06	0.03	0.0	204,207,0	0.07	6.17e-03	6.17e-03204,228,228			1.00	0.04	0.96
3887	0.01	5.04e-03	0.0	207,204,0	0.08	1.13e-03	1.37e-03204,233,229	0.22	204	0.53	0.09	0.91
	0.04	0.02	0.0	204,207,0	0.08	5.29e-03	5.29e-03204,228,228			1.00	0.04	0.96
3888	4.77e-03	2.42e-03	0.0	230,229,0	0.07	1.13e-03	1.37e-03204,233,229	0.21	204	0.53	0.09	0.91
	7.10e-03	4.41e-03	0.0	228,231,0	0.07	5.29e-03	5.29e-03204,228,228			1.00	0.04	0.96
3889	0.02	0.02	0.0	207,204,0	0.08	2.99e-03	5.90e-03204,228,228	0.22	204	0.53	0.09	0.91
	0.05	0.04	0.0	207,204,0	0.08	9.03e-03	9.03e-03204,231,231			1.00	0.04	0.96
3890	0.02	0.02	0.0	207,204,0	0.07	2.99e-03	5.90e-03204,228,228	0.21	204	0.53	0.09	0.91
	0.05	0.04	0.0	207,204,0	0.07	9.03e-03	9.03e-03204,231,231			1.00	0.04	0.96
3891	7.89e-03	4.14e-03	0.0	210,209,0	0.08	1.36e-03	1.89e-03204,234,233	0.22	204	0.53	0.09	0.91
	0.04	0.04	0.0	223,220,0	0.08	8.73e-03	8.73e-03204,229,229			1.00	0.04	0.96
3892	4.77e-03	2.42e-03	0.0	230,229,0	0.07	1.36e-03	1.89e-03204,234,233	0.21	204	0.53	0.09	0.91
	7.72e-03	5.87e-03	0.0	223,220,0	0.07	7.03e-03	7.03e-03204,231,231			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.06	0.04	0.0		0.08	9.03e-03	9.03e-03		0.22			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
104	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.39	kN 72.2	172	0.20	kN 38.1	172	0.13	kN -644.1	kN m 1.020e+06	207

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2096	3.32e-03	0.01	0.0	229,230,0	0.02	8.50e-03	0.01204,223,223	0.11	204	0.87	0.06	0.94	
	6.57e-03	3.95e-03	0.0	204,207,0	0.02	2.67e-04	2.67e-04204,235,235			1.00	0.04	0.96	
2097	3.88e-03	0.01	0.0	221,222,0	0.02	8.58e-03	0.01204,223,220	0.12	204	0.87	0.06	0.94	
	1.00e-02	4.74e-03	0.0	209,210,0	0.02	4.64e-04	4.64e-04204,213,213			1.00	0.04	0.96	
2100	3.98e-03	0.01	0.0	229,222,0	0.03	8.58e-03	0.01204,223,220	0.12	204	0.87	0.06	0.94	
	1.00e-02	4.74e-03	0.0	209,210,0	0.03	4.73e-04	4.73e-04204,215,215			1.00	0.04	0.96	
2103	3.98e-03	0.01	0.0	229,230,0	0.03	8.40e-03	0.01204,222,222	0.13	204	0.87	0.06	0.94	
	0.01	4.21e-03	0.0	220,223,0	0.03	5.77e-04	5.77e-04204,207,207			1.00	0.04	0.96	
2106	2.85e-03	0.01	0.0	221,222,0	0.03	8.40e-03	0.01204,222,222	0.13	204	0.87	0.06	0.94	
	0.02	5.77e-03	0.0	220,223,0	0.03	6.66e-04	6.66e-04204,221,221			1.00	0.04	0.96	
2109	2.49e-03	0.01	0.0	221,226,0	0.03	8.22e-03	0.01204,222,222	0.13	204	0.87	0.06	0.94	
	0.02	7.69e-03	0.0	220,223,0	0.03	6.66e-04	6.66e-04204,221,221			1.00	0.04	0.96	
2112	3.20e-03	0.01	0.0	223,220,0	0.03	7.96e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94	
	0.03	0.01	0.0	226,225,0	0.03	6.66e-04	6.66e-04204,222,222			1.00	0.04	0.96	
2115	5.82e-03	0.02	0.0	223,220,0	0.02	7.53e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94	
	0.04	0.01	0.0	226,225,0	0.02	8.95e-04	8.95e-04204,222,222			1.00	0.04	0.96	
2118	0.01	0.03	0.0	223,220,0	0.02	6.73e-03	9.64e-03204,222,222	0.10	204	0.87	0.06	0.94	
	0.05	0.02	0.0	226,225,0	0.02	1.81e-03	1.81e-03204,206,206			1.00	0.04	0.96	
2121	0.03	0.04	0.0	223,220,0	0.02	5.86e-03	9.35e-03210,222,222	0.10	210	0.87	0.06	0.94	
	0.07	0.03	0.0	226,225,0	0.02	4.04e-03	4.04e-03210,210,210			1.00	0.04	0.96	
2124	0.03	0.04	0.0	223,220,0	0.02	3.02e-03	6.64e-03210,222,220	0.10	210	0.87	0.06	0.94	
	0.07	0.03	0.0	226,225,0	0.02	0.01	0.01210,225,225			1.00	0.04	0.96	
2127	0.01	0.01	0.0	210,209,0	2.85e-03	1.86e-03	4.82e-03226,217,209	0.04	226	0.87	0.06	0.94	
	0.07	0.03	0.0	226,225,0	2.86e-03	0.01	0.01226,225,225			1.00	0.04	0.96	
3900	0.02	0.03	0.0	223,220,0	0.02	8.50e-03	0.01204,223,220	0.11	204	0.87	0.06	0.94	
	6.57e-03	3.95e-03	0.0	204,207,0	0.02	2.67e-04	2.67e-04204,235,235			1.00	0.04	0.96	
3901	0.02	0.03	0.0	223,220,0	0.02	8.58e-03	0.01204,223,220	0.12	204	0.87	0.06	0.94	
	1.00e-02	4.74e-03	0.0	209,210,0	0.02	4.64e-04	4.64e-04204,213,213			1.00	0.04	0.96	
3902	0.03	0.04	0.0	223,220,0	0.02	6.15e-03	0.01204,223,220	0.10	204	0.87	0.06	0.94	
	6.27e-03	6.92e-03	0.0	204,207,0	0.02	5.43e-04	5.43e-04204,222,222			1.00	0.04	0.96	
3903	0.03	0.04	0.0	223,220,0	0.02	6.15e-03	0.01204,223,220	0.11	204	0.87	0.06	0.94	
	6.58e-03	6.92e-03	0.0	230,207,0	0.02	5.43e-04	5.43e-04204,222,222			1.00	0.04	0.96	
3904	0.04	0.05	0.0	223,220,0	0.03	3.85e-03	0.01204,223,220	0.13	204	0.87	0.06	0.94	
	0.04	0.04	0.0	207,204,0	0.03	2.84e-03	2.84e-03204,226,226			1.00	0.04	0.96	
3905	0.04	0.05	0.0	223,220,0	0.03	3.85e-03	0.01204,223,220	0.13	204	0.87	0.06	0.94	
	0.04	0.04	0.0	207,204,0	0.03	2.84e-03	2.84e-03204,226,226			1.00	0.04	0.96	
3906	0.04	0.05	0.0	223,220,0	0.03	6.99e-03	0.02204,220,220	0.13	204	0.87	0.06	0.94	
	0.05	0.05	0.0	207,204,0	0.03	2.84e-03	2.84e-03204,226,226			1.00	0.04	0.96	

3907	0.04	0.05	0.0 223,220,0	0.03	6.99e-03	0.02204,220,220	0.13	204	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.03	2.84e-03	2.84e-03204,226,226			1.00	0.04	0.96
3908	0.01	0.02	0.0 221,224,0	0.03	8.58e-03	0.01204,223,220	0.12	204	0.87	0.06	0.94
	1.00e-02	4.74e-03	0.0 209,210,0	0.03	4.73e-04	4.73e-04204,215,215			1.00	0.04	0.96
3909	0.02	0.02	0.0 221,224,0	0.02	6.10e-03	0.01204,223,220	0.12	204	0.87	0.06	0.94
	9.24e-03	3.83e-03	0.0 226,223,0	0.02	9.32e-04	9.32e-04204,223,223			1.00	0.04	0.96
3910	0.02	0.02	0.0 220,223,0	0.02	3.03e-03	0.01204,227,224	0.12	204	0.87	0.06	0.94
	0.03	0.04	0.0 207,204,0	0.02	1.52e-03	1.52e-03204,223,223			1.00	0.04	0.96
3911	0.02	0.02	0.0 220,223,0	0.02	2.90e-03	0.01204,222,223	0.12	204	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.02	1.52e-03	1.52e-03204,223,223			1.00	0.04	0.96
3912	0.01	0.02	0.0 221,222,0	0.03	8.40e-03	0.01204,222,222	0.13	204	0.87	0.06	0.94
	0.01	5.37e-03	0.0 226,225,0	0.03	9.25e-04	9.25e-04204,223,223			1.00	0.04	0.96
3913	0.02	0.02	0.0 221,222,0	0.02	5.71e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94
	0.01	5.37e-03	0.0 226,225,0	0.02	1.49e-03	1.49e-03204,220,220			1.00	0.04	0.96
3914	0.02	0.02	0.0 221,222,0	0.02	2.86e-03	0.01204,221,222	0.12	204	0.87	0.06	0.94
	0.02	0.03	0.0 207,204,0	0.02	1.70e-03	1.70e-03204,223,223			1.00	0.04	0.96
3915	0.02	0.02	0.0 221,222,0	0.02	2.91e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94
	0.03	0.04	0.0 207,204,0	0.02	1.70e-03	1.70e-03204,223,223			1.00	0.04	0.96
3916	0.01	0.02	0.0 221,222,0	0.03	8.40e-03	0.01204,222,222	0.13	204	0.87	0.06	0.94
	0.02	9.36e-03	0.0 220,223,0	0.03	1.18e-03	1.18e-03204,222,222			1.00	0.04	0.96
3917	0.02	0.02	0.0 221,222,0	0.02	5.71e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94
	0.02	9.36e-03	0.0 220,223,0	0.02	1.72e-03	1.72e-03204,222,222			1.00	0.04	0.96
3918	0.02	0.02	0.0 221,222,0	0.02	2.86e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94
	0.02	0.03	0.0 207,204,0	0.02	1.86e-03	1.86e-03204,222,222			1.00	0.04	0.96
3919	0.02	0.02	0.0 221,222,0	0.02	2.91e-03	0.01204,222,222	0.11	204	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.02	1.86e-03	1.86e-03204,222,222			1.00	0.04	0.96
3920	0.01	0.02	0.0 221,222,0	0.03	8.22e-03	0.01204,222,222	0.13	204	0.87	0.06	0.94
	0.03	0.01	0.0 220,223,0	0.03	1.21e-03	1.21e-03204,222,222			1.00	0.04	0.96
3921	0.02	0.02	0.0 221,222,0	0.02	5.58e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94
	0.03	0.01	0.0 220,223,0	0.02	1.72e-03	1.72e-03204,222,222			1.00	0.04	0.96
3922	0.02	0.02	0.0 221,222,0	0.02	2.82e-03	0.01209,222,222	0.12	209	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.02	1.86e-03	1.86e-03209,222,222			1.00	0.04	0.96
3923	0.02	0.02	0.0 221,222,0	0.02	2.91e-03	0.01209,222,222	0.11	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.02	1.86e-03	1.86e-03209,222,222			1.00	0.04	0.96
3924	0.01	0.02	0.0 221,226,0	0.03	7.96e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94
	0.04	0.02	0.0 226,225,0	0.03	1.21e-03	1.21e-03204,222,222			1.00	0.04	0.96
3925	0.02	0.02	0.0 221,226,0	0.02	5.36e-03	0.01209,222,222	0.12	209	0.87	0.06	0.94
	0.04	0.02	0.0 226,225,0	0.02	1.72e-03	1.72e-03209,222,222			1.00	0.04	0.96
3926	0.02	0.02	0.0 221,226,0	0.02	2.66e-03	9.85e-03209,222,222	0.11	209	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.02	1.78e-03	1.78e-03209,222,222			1.00	0.04	0.96
3927	0.02	0.02	0.0 221,222,0	0.02	2.80e-03	9.71e-03209,222,222	0.11	209	0.87	0.06	0.94
	0.02	0.03	0.0 207,204,0	0.02	1.78e-03	1.78e-03209,222,222			1.00	0.04	0.96
3928	0.01	0.02	0.0 225,220,0	0.02	7.53e-03	0.01204,222,222	0.12	204	0.87	0.06	0.94
	0.05	0.02	0.0 226,225,0	0.02	1.46e-03	1.46e-03204,210,210			1.00	0.04	0.96
3929	0.02	0.02	0.0 225,226,0	0.02	4.94e-03	0.01210,222,222	0.11	210	0.87	0.06	0.94
	0.05	0.02	0.0 226,225,0	0.02	1.69e-03	1.69e-03210,206,206			1.00	0.04	0.96
3930	0.02	0.02	0.0 221,226,0	0.02	2.38e-03	9.24e-03210,222,222	0.11	210	0.87	0.06	0.94
	0.02	0.02	0.0 222,205,0	0.02	1.69e-03	1.69e-03210,206,206			1.00	0.04	0.96
3931	0.02	0.02	0.0 221,226,0	0.02	2.59e-03	9.05e-03210,222,222	0.10	210	0.87	0.06	0.94
	0.02	0.02	0.0 206,220,0	0.02	1.52e-03	1.52e-03210,211,211			1.00	0.04	0.96
3932	0.02	0.03	0.0 223,220,0	0.02	6.73e-03	9.64e-03210,222,222	0.11	210	0.87	0.06	0.94
	0.06	0.02	0.0 226,225,0	0.02	2.49e-03	2.49e-03210,207,207			1.00	0.04	0.96
3933	0.02	0.03	0.0 223,220,0	0.02	4.18e-03	9.38e-03210,222,222	0.11	210	0.87	0.06	0.94
	0.06	0.02	0.0 226,225,0	0.02	3.50e-03	3.50e-03210,223,223			1.00	0.04	0.96
3934	0.02	0.02	0.0 225,220,0	0.02	1.95e-03	8.30e-03210,222,222	0.11	210	0.87	0.06	0.94
	0.02	0.02	0.0 222,205,0	0.02	3.60e-03	3.60e-03210,223,223			1.00	0.04	0.96
3935	0.02	0.02	0.0 225,226,0	0.02	2.25e-03	8.09e-03210,222,222	0.11	210	0.87	0.06	0.94
	0.02	0.02	0.0 206,205,0	0.02	3.60e-03	3.60e-03210,223,223			1.00	0.04	0.96
3936	0.03	0.04	0.0 223,220,0	0.03	5.86e-03	9.35e-03210,222,222	0.12	210	0.87	0.06	0.94
	0.07	0.03	0.0 226,225,0	0.03	5.81e-03	5.81e-03210,207,207			1.00	0.04	0.96
3937	0.02	0.03	0.0 223,220,0	0.03	2.84e-03	7.93e-03210,221,222	0.12	210	0.87	0.06	0.94
	0.07	0.02	0.0 226,225,0	0.03	8.72e-03	8.72e-03210,223,223			1.00	0.04	0.96
3938	0.02	0.03	0.0 223,220,0	0.02	1.82e-03	7.17e-03210,221,222	0.11	210	0.87	0.06	0.94
	0.02	0.02	0.0 206,205,0	0.02	8.72e-03	8.72e-03210,223,223			1.00	0.04	0.96
3939	0.02	0.03	0.0 223,220,0	0.02	1.63e-03	6.76e-03210,222,222	0.11	210	0.87	0.06	0.94
	0.02	0.02	0.0 206,205,0	0.02	7.75e-03	7.75e-03210,223,223			1.00	0.04	0.96
3940	0.03	0.04	0.0 223,220,0	0.03	7.87e-03	8.92e-03210,229,217	0.12	210	0.87	0.06	0.94
	0.07	0.04	0.0 226,207,0	0.03	0.01	0.01210,225,225			1.00	0.04	0.96
3941	0.02	0.03	0.0 223,220,0	0.03	7.87e-03	8.92e-03210,229,217	0.12	210	0.87	0.06	0.94
	0.07	0.04	0.0 204,207,0	0.03	0.01	0.01210,223,223			1.00	0.04	0.96
3942	0.02	0.03	0.0 223,220,0	0.02	1.82e-03	6.09e-03210,221,226	0.11	210	0.87	0.06	0.94
	0.04	0.03	0.0 223,223,0	0.02	0.01	0.01210,223,223			1.00	0.04	0.96
3943	0.02	0.03	0.0 223,220,0	0.02	7.18e-04	5.19e-03210,57,226	0.10	210	0.87	0.06	0.94
	0.03	0.03	0.0 223,223,0	0.02	0.01	0.01210,227,227			1.00	0.04	0.96
3944	0.01	0.01	0.0 210,57,0	0.02	7.87e-03	8.92e-03226,229,217	0.10	226	0.87	0.06	0.94

	0.07	0.04	0.0 204,207,0	0.02	0.01	0.01226,225,225			1.00	0.04	0.96
3945	6.90e-03	0.02	0.0 207,57,0	0.02	7.87e-03	8.92e-03226,229,217	0.10	226	0.87	0.06	0.94
	0.07	0.04	0.0 204,207,0	0.02	0.01	0.01226,223,223			1.00	0.04	0.96
3946	6.08e-03	0.02	0.0 223,57,0	0.01	3.44e-04	2.53e-03226,225,226	0.08	226	0.87	0.06	0.94
	0.04	0.03	0.0 223,223,0	0.01	0.01	0.01226,223,223			1.00	0.04	0.96
3947	9.10e-03	0.02	0.0 225,57,0	0.01	7.18e-04	3.31e-03226,57,222	0.08	226	0.87	0.06	0.94
	0.03	0.03	0.0 223,223,0	0.01	0.01	0.01226,227,227			1.00	0.04	0.96
3948	0.03	0.04	0.0 223,220,0	0.02	7.03e-03	0.02204,220,220	0.10	204	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.02	1.92e-03	1.92e-03204,225,225			1.00	0.04	0.96
3949	0.03	0.04	0.0 223,220,0	0.02	7.03e-03	0.02204,220,220	0.10	204	0.87	0.06	0.94
	0.05	0.05	0.0 207,204,0	0.02	1.92e-03	1.92e-03204,225,225			1.00	0.04	0.96
3950	0.02	0.02	0.0 223,220,0	0.02	7.79e-03	0.01204,223,220	0.10	204	0.87	0.06	0.94
	0.01	0.01	0.0 230,209,0	0.02	1.51e-03	1.51e-03204,220,220			1.00	0.04	0.96
3951	0.02	0.02	0.0 223,220,0	0.02	8.95e-03	0.01204,223,220	0.10	204	0.87	0.06	0.94
	0.01	0.01	0.0 230,204,0	0.02	1.51e-03	1.51e-03204,220,220			1.00	0.04	0.96
3952	5.70e-03	7.48e-03	0.0 223,220,0	0.02	7.79e-03	9.70e-03204,223,220	0.10	204	0.87	0.06	0.94
	0.01	7.11e-03	0.0 230,229,0	0.02	1.11e-03	1.11e-03204,223,223			1.00	0.04	0.96
3953	5.70e-03	7.48e-03	0.0 223,220,0	0.02	8.95e-03	0.01204,223,220	0.10	204	0.87	0.06	0.94
	0.01	7.11e-03	0.0 230,229,0	0.02	1.11e-03	1.11e-03204,223,223			1.00	0.04	0.96
3954	0.02	0.02	0.0 227,224,0	0.01	5.97e-03	0.01209,221,223	0.08	209	0.87	0.06	0.94
	0.04	0.04	0.0 207,204,0	0.01	1.12e-03	1.12e-03209,223,223			1.00	0.04	0.96
3955	0.01	0.01	0.0 227,224,0	9.23e-03	8.95e-03	0.01204,223,223	0.07	204	0.87	0.06	0.94
	0.01	0.01	0.0 207,204,0	9.23e-03	1.08e-03	1.08e-03204,222,222			1.00	0.04	0.96
3956	5.53e-03	4.87e-03	0.0 227,224,0	8.52e-03	8.95e-03	0.01204,223,220	0.07	204	0.87	0.06	0.94
	0.01	4.72e-03	0.0 222,221,0	8.52e-03	4.36e-04	4.36e-04204,221,221			1.00	0.04	0.96
3957	0.02	0.02	0.0 221,222,0	0.01	5.97e-03	0.01209,221,222	0.09	209	0.87	0.06	0.94
	0.03	0.04	0.0 207,204,0	0.01	1.45e-03	1.45e-03209,223,223			1.00	0.04	0.96
3958	0.02	0.01	0.0 221,222,0	0.01	8.98e-03	0.01209,222,222	0.08	209	0.87	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.01	7.66e-04	7.66e-04209,227,227			1.00	0.04	0.96
3959	5.70e-03	4.74e-03	0.0 221,222,0	9.41e-03	8.98e-03	0.01204,222,222	0.07	204	0.87	0.06	0.94
	6.95e-03	2.48e-03	0.0 230,229,0	9.41e-03	4.18e-04	4.18e-04204,223,223			1.00	0.04	0.96
3960	0.02	0.02	0.0 221,222,0	0.01	5.90e-03	0.01209,222,222	0.09	209	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.01	1.67e-03	1.67e-03209,222,222			1.00	0.04	0.96
3961	0.02	0.01	0.0 221,222,0	0.01	8.98e-03	0.01209,222,222	0.08	209	0.87	0.06	0.94
	0.01	0.02	0.0 207,220,0	0.01	1.13e-03	1.13e-03209,221,221			1.00	0.04	0.96
3962	5.70e-03	4.74e-03	0.0 221,222,0	9.59e-03	8.98e-03	0.01204,222,222	0.08	204	0.87	0.06	0.94
	4.22e-03	2.15e-03	0.0 207,220,0	9.59e-03	1.06e-03	1.06e-03204,221,221			1.00	0.04	0.96
3963	0.02	0.02	0.0 221,222,0	0.01	5.80e-03	0.01210,222,222	0.09	210	0.87	0.06	0.94
	0.03	0.03	0.0 207,204,0	0.01	1.67e-03	1.67e-03210,222,222			1.00	0.04	0.96
3964	0.01	0.01	0.0 221,222,0	0.01	8.73e-03	0.01210,222,222	0.08	210	0.87	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.01	1.13e-03	1.13e-03210,221,221			1.00	0.04	0.96
3965	5.45e-03	4.55e-03	0.0 221,222,0	9.59e-03	8.73e-03	0.01204,222,222	0.08	204	0.87	0.06	0.94
	5.36e-03	4.44e-03	0.0 223,220,0	9.59e-03	1.06e-03	1.06e-03204,221,221			1.00	0.04	0.96
3966	0.02	0.02	0.0 221,222,0	0.01	5.54e-03	0.01210,222,222	0.09	210	0.87	0.06	0.94
	0.02	0.03	0.0 207,204,0	0.01	1.57e-03	1.57e-03210,222,222			1.00	0.04	0.96
3967	0.01	0.01	0.0 221,222,0	0.01	8.36e-03	0.01210,222,222	0.08	210	0.87	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.01	9.96e-04	9.96e-04210,222,222			1.00	0.04	0.96
3968	5.16e-03	4.41e-03	0.0 221,222,0	8.96e-03	8.36e-03	0.01204,222,222	0.07	204	0.87	0.06	0.94
	7.17e-03	8.00e-03	0.0 227,213,0	8.96e-03	9.12e-04	9.12e-04204,225,225			1.00	0.04	0.96
3969	0.02	0.02	0.0 221,222,0	0.02	5.06e-03	9.71e-03210,222,222	0.10	210	0.87	0.06	0.94
	0.02	0.02	0.0 223,224,0	0.02	1.37e-03	1.37e-03210,207,207			1.00	0.04	0.96
3970	0.01	0.01	0.0 221,222,0	0.01	7.77e-03	9.71e-03210,222,222	0.09	210	0.87	0.06	0.94
	0.02	0.02	0.0 223,224,0	0.01	1.35e-03	1.35e-03210,223,223			1.00	0.04	0.96
3971	4.69e-03	4.40e-03	0.0 221,222,0	8.27e-03	7.77e-03	9.50e-03210,222,222	0.07	210	0.87	0.06	0.94
	7.71e-03	9.85e-03	0.0 227,224,0	8.26e-03	7.17e-04	7.17e-04210,227,227			1.00	0.04	0.96
3972	0.02	0.02	0.0 225,226,0	0.02	4.42e-03	8.63e-03210,222,222	0.10	210	0.87	0.06	0.94
	0.02	0.03	0.0 206,226,0	0.02	3.76e-03	3.76e-03210,223,223			1.00	0.04	0.96
3973	0.01	0.01	0.0 221,226,0	0.01	6.81e-03	8.63e-03210,222,222	0.09	210	0.87	0.06	0.94
	0.02	0.03	0.0 227,226,0	0.01	3.76e-03	3.76e-03210,223,223			1.00	0.04	0.96
3974	4.61e-03	4.40e-03	0.0 221,222,0	8.27e-03	6.81e-03	8.41e-03210,222,222	0.07	210	0.87	0.06	0.94
	7.71e-03	0.01	0.0 227,220,0	8.26e-03	1.64e-03	1.64e-03210,214,214			1.00	0.04	0.96
3975	0.02	0.02	0.0 223,220,0	0.02	3.81e-03	7.39e-03234,222,222	0.11	234	0.87	0.06	0.94
	0.02	0.03	0.0 223,220,0	0.02	6.64e-03	6.64e-03234,220,220			1.00	0.04	0.96
3976	0.01	0.02	0.0 223,220,0	0.02	5.47e-03	7.39e-03234,221,222	0.11	234	0.87	0.06	0.94
	0.02	0.03	0.0 223,220,0	0.02	6.64e-03	6.64e-03234,220,220			1.00	0.04	0.96
3977	7.74e-03	0.01	0.0 227,224,0	9.15e-03	5.47e-03	6.84e-03234,221,221	0.07	234	0.87	0.06	0.94
	0.02	0.02	0.0 223,220,0	9.15e-03	4.81e-03	4.81e-03234,226,226			1.00	0.04	0.96
3978	0.02	0.02	0.0 223,220,0	0.02	7.56e-03	0.01234,226,226	0.11	234	0.87	0.06	0.94
	0.05	0.05	0.0 223,220,0	0.02	0.01	0.01234,227,227			1.00	0.04	0.96
3979	0.01	0.02	0.0 223,57,0	0.02	0.01	0.01234,225,226	0.11	234	0.87	0.06	0.94
	0.05	0.05	0.0 223,220,0	0.02	8.67e-03	8.67e-03234,204,204			1.00	0.04	0.96
3980	0.01	0.02	0.0 225,59,0	9.15e-03	0.01	0.01234,225,226	0.07	234	0.87	0.06	0.94
	0.03	0.04	0.0 223,220,0	9.15e-03	4.81e-03	4.81e-03234,226,226			1.00	0.04	0.96
3981	0.01	0.02	0.0 225,57,0	0.02	7.56e-03	0.01226,226,226	0.09	226	0.87	0.06	0.94
	0.05	0.05	0.0 223,220,0	0.02	0.01	0.01226,227,227			1.00	0.04	0.96

3982	0.01	0.02	0.0	225,57,0	0.02	0.01	0.01226,225,226	0.09	226	0.87	0.06	0.94
	0.05	0.05	0.0	223,220,0	0.02	8.67e-03	8.67e-03226,204,204			1.00	0.04	0.96
3983	0.01	0.02	0.0	225,59,0	2.01e-03	0.01	0.01220,225,226	0.03	220	0.87	0.06	0.94
	0.03	0.04	0.0	223,220,0	2.00e-03	4.72e-03	4.72e-03220,229,229			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.07	0.05	0.0		0.03	0.01	0.02		0.13			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
105	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3896	0.02	9.79e-03	0.0	204,207,0	0.07	4.96e-03	6.88e-03204,224,223		0.20	204	0.53	0.09	0.91
	0.04	0.03	0.0	209,210,0	0.07	8.70e-03	8.70e-03204,220,220				1.00	0.04	0.96
3897	0.02	9.79e-03	0.0	204,207,0	0.08	4.96e-03	6.88e-03204,224,223		0.22	204	0.53	0.09	0.91
	0.04	0.03	0.0	209,59,0	0.08	8.70e-03	8.70e-03204,220,220				1.00	0.04	0.96
3898	0.02	7.22e-03	0.0	210,209,0	0.08	1.92e-03	2.16e-03204,226,204		0.22	204	0.53	0.09	0.91
	0.03	0.09	0.0	223,59,0	0.08	0.01	0.01204,226,226				1.00	0.04	0.96
3899	0.02	5.84e-03	0.0	210,209,0	0.08	1.92e-03	2.16e-03204,226,204		0.22	204	0.53	0.09	0.91
	0.03	0.09	0.0	223,59,0	0.08	0.01	0.01204,226,226				1.00	0.04	0.96
3906	0.02	0.03	0.0	207,204,0	0.08	3.84e-03	7.87e-03204,224,220		0.22	204	0.53	0.09	0.91
	0.05	0.05	0.0	207,204,0	0.08	0.01	0.01204,227,227				1.00	0.04	0.96
3948	0.02	0.03	0.0	207,204,0	0.09	3.84e-03	7.87e-03204,224,220		0.22	204	0.53	0.09	0.91
	0.05	0.05	0.0	207,204,0	0.09	0.01	0.01204,227,227				1.00	0.04	0.96
3950	0.01	7.10e-03	0.0	210,209,0	0.09	1.13e-03	1.68e-03204,224,204		0.22	204	0.53	0.09	0.91
	0.04	0.04	0.0	223,220,0	0.09	0.01	0.01204,223,223				1.00	0.04	0.96
3952	0.01	7.10e-03	0.0	210,209,0	0.08	1.28e-03	1.78e-03204,221,221		0.21	204	0.53	0.09	0.91
	0.02	0.03	0.0	227,224,0	0.08	0.01	0.01204,223,223				1.00	0.04	0.96
3984	0.02	9.79e-03	0.0	204,207,0	0.09	4.96e-03	6.88e-03204,224,223		0.23	204	0.53	0.09	0.91
	0.04	0.03	0.0	209,59,0	0.09	8.70e-03	8.70e-03204,220,220				1.00	0.04	0.96
3985	0.02	9.79e-03	0.0	204,207,0	0.07	4.96e-03	6.88e-03204,224,223		0.20	204	0.53	0.09	0.91
	0.04	0.03	0.0	209,210,0	0.07	8.70e-03	8.70e-03204,220,220				1.00	0.04	0.96
3986	0.02	7.22e-03	0.0	210,209,0	0.09	1.92e-03	2.16e-03204,226,204		0.23	204	0.53	0.09	0.91
	0.03	0.09	0.0	223,59,0	0.09	0.01	0.01204,226,226				1.00	0.04	0.96
3987	7.77e-03	4.59e-03	0.0	210,209,0	0.08	1.47e-03	1.74e-03204,222,222		0.22	204	0.53	0.09	0.91
	8.61e-03	8.72e-03	0.0	220,226,0	0.08	7.81e-03	7.81e-03204,220,220				1.00	0.04	0.96
3988	0.02	0.03	0.0	207,204,0	0.09	3.84e-03	7.87e-03204,224,220		0.23	204	0.53	0.09	0.91
	0.05	0.05	0.0	207,204,0	0.09	0.01	0.01204,227,227				1.00	0.04	0.96
3989	0.02	0.03	0.0	207,204,0	0.08	3.84e-03	7.87e-03204,224,220		0.22	204	0.53	0.09	0.91
	0.05	0.05	0.0	207,204,0	0.08	0.01	0.01204,227,227				1.00	0.04	0.96
3990	0.01	7.10e-03	0.0	210,209,0	0.09	1.28e-03	1.78e-03204,221,221		0.23	204	0.53	0.09	0.91
	0.04	0.04	0.0	223,220,0	0.09	0.01	0.01204,223,223				1.00	0.04	0.96
3991	7.77e-03	4.59e-03	0.0	210,209,0	0.08	1.28e-03	1.78e-03204,221,221		0.22	204	0.53	0.09	0.91
	8.98e-03	6.84e-03	0.0	223,220,0	0.08	8.15e-03	8.15e-03204,223,223				1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.05	0.09	0.0		0.09	0.01	0.01		0.23				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
106	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.35	-64.9	175	0.16	-29.8	174	0.26	1136.3	5.425e+05	205

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2200	4.35e-03	0.02	0.0	204,57,0	1.11e-03	7.56e-03	0.01210,231,211		0.03	210	0.87	0.06	0.94
	0.04	0.04	0.0	209,207,0	1.10e-03	4.92e-03	4.92e-03210,212,212				1.00	0.04	0.96

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2742 DI 2790

2201	9.21e-03	0.02	0.0	204,57,0	0.02	7.56e-03	0.01207,231,211	0.10	207	0.87	0.06	0.94
	0.04	0.04	0.0	209,207,0	0.02	5.93e-03	5.93e-03207,215,215			1.00	0.04	0.96
2204	9.21e-03	0.02	0.0	204,207,0	0.02	5.33e-03	7.03e-03207,230,231	0.10	207	0.87	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.02	5.93e-03	5.93e-03207,215,215			1.00	0.04	0.96
2207	3.74e-03	6.99e-03	0.0	230,229,0	0.02	6.60e-03	8.15e-03207,230,230	0.10	207	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	0.02	2.45e-03	2.45e-03207,215,215			1.00	0.04	0.96
2210	4.90e-03	4.14e-03	0.0	230,229,0	0.02	7.38e-03	9.08e-03207,230,230	0.10	207	0.87	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.02	8.20e-04	8.20e-04207,218,218			1.00	0.04	0.96
2213	5.31e-03	4.05e-03	0.0	230,229,0	0.01	7.87e-03	9.67e-03207,230,230	0.09	207	0.87	0.06	0.94
	9.87e-03	0.01	0.0	229,230,0	0.01	5.92e-04	5.92e-04207,234,234			1.00	0.04	0.96
2216	5.61e-03	4.16e-03	0.0	230,229,0	0.01	8.14e-03	9.95e-03207,230,229	0.09	207	0.87	0.06	0.94
	4.98e-03	6.18e-03	0.0	229,230,0	0.01	6.82e-04	6.82e-04207,233,233			1.00	0.04	0.96
2219	5.72e-03	4.30e-03	0.0	230,229,0	0.01	8.33e-03	0.01207,230,230	0.09	207	0.87	0.06	0.94
	3.01e-03	4.25e-03	0.0	229,230,0	0.01	6.82e-04	6.82e-04207,233,233			1.00	0.04	0.96
2222	5.72e-03	4.35e-03	0.0	230,229,0	0.01	8.33e-03	0.01207,230,230	0.09	207	0.87	0.06	0.94
	2.30e-03	2.95e-03	0.0	214,213,0	0.01	5.65e-04	5.65e-04207,215,215			1.00	0.04	0.96
2225	0.02	0.01	0.0	208,211,0	0.01	8.47e-03	0.01207,231,231	0.08	207	0.87	0.06	0.94
	3.96e-03	3.76e-03	0.0	206,205,0	0.01	4.70e-04	4.70e-04207,207,207			1.00	0.04	0.96
2228	0.02	0.02	0.0	208,211,0	0.01	8.47e-03	0.01207,231,231	0.09	207	0.87	0.06	0.94
	6.59e-03	5.24e-03	0.0	206,205,0	0.01	3.92e-04	3.92e-04207,207,207			1.00	0.04	0.96
2231	0.02	0.02	0.0	208,211,0	0.01	8.38e-03	0.01207,231,231	0.09	207	0.87	0.06	0.94
	6.59e-03	5.24e-03	0.0	206,205,0	0.01	2.59e-04	2.59e-04207,225,225			1.00	0.04	0.96
3992	4.35e-03	0.02	0.0	204,57,0	6.58e-03	0.01	0.02210,207,207	0.06	210	0.87	0.06	0.94
	0.04	0.04	0.0	209,207,0	6.57e-03	4.92e-03	4.92e-03210,212,212			1.00	0.04	0.96
3993	9.21e-03	0.02	0.0	204,57,0	0.02	0.01	0.02210,207,207	0.11	210	0.87	0.06	0.94
	0.04	0.04	0.0	209,207,0	0.02	5.93e-03	5.93e-03210,215,215			1.00	0.04	0.96
3994	0.0	0.02	0.0	0,57,0	6.58e-03	0.01	0.02210,207,207	0.06	210	0.0	0.0	0.0
	0.04	0.04	0.0	204,207,0	6.57e-03	0.01	0.01210,235,235			1.00	0.04	0.96
3995	7.51e-03	0.02	0.0	228,57,0	0.02	0.01	0.02210,207,207	0.11	210	0.87	0.06	0.94
	0.04	0.04	0.0	204,207,0	0.02	0.01	0.01210,235,235			1.00	0.04	0.96
3996	0.0	0.02	0.0	0,57,0	5.14e-03	1.11e-03	3.02e-03 210,52,59	0.06	210	0.0	0.0	0.0
	0.03	0.02	0.0	215,212,0	5.14e-03	0.01	0.01210,235,235			1.00	0.04	0.96
3997	7.68e-03	0.02	0.0	228,57,0	0.02	1.11e-03	4.11e-03210,52,230	0.10	210	0.87	0.06	0.94
	0.03	0.02	0.0	215,212,0	0.02	0.01	0.01210,235,235			1.00	0.04	0.96
3998	1.29e-03	0.02	0.0	222,57,0	4.03e-03	1.09e-03	3.46e-03 210,59,59	0.05	210	0.87	0.06	0.94
	0.03	0.02	0.0	212,215,0	4.03e-03	0.01	0.01210,231,231			1.00	0.04	0.96
3999	7.87e-03	0.02	0.0	228,57,0	0.01	1.09e-03	4.03e-03210,59,233	0.08	210	0.87	0.06	0.94
	0.03	0.02	0.0	212,215,0	0.01	0.01	0.01210,231,231			1.00	0.04	0.96
4000	9.21e-03	0.02	0.0	204,207,0	0.02	5.33e-03	7.03e-03210,230,231	0.11	210	0.87	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.02	5.93e-03	5.93e-03210,215,215			1.00	0.04	0.96
4001	0.01	0.02	0.0	230,231,0	0.02	3.14e-03	6.70e-03210,229,229	0.11	210	0.87	0.06	0.94
	0.03	0.03	0.0	209,210,0	0.02	5.10e-03	5.10e-03210,232,232			1.00	0.04	0.96
4002	0.01	0.02	0.0	230,231,0	0.02	1.70e-03	5.78e-03206,228,229	0.10	206	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.02	7.29e-03	7.29e-03206,235,235			1.00	0.04	0.96
4003	0.01	0.01	0.0	230,231,0	0.01	1.63e-03	6.08e-03206,229,230	0.09	206	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.01	7.29e-03	7.29e-03206,235,235			1.00	0.04	0.96
4004	0.01	0.01	0.0	230,229,0	0.02	6.60e-03	8.30e-03206,230,230	0.11	206	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.02	3.94e-03	3.94e-03206,215,215			1.00	0.04	0.96
4005	0.02	0.01	0.0	230,230,0	0.02	4.29e-03	8.30e-03206,230,230	0.11	206	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.02	3.94e-03	3.94e-03206,215,215			1.00	0.04	0.96
4006	0.02	0.01	0.0	230,230,0	0.02	1.96e-03	7.42e-03206,229,230	0.10	206	0.87	0.06	0.94
	0.03	0.02	0.0	205,210,0	0.02	2.76e-03	2.76e-03206,219,219			1.00	0.04	0.96
4007	0.02	0.01	0.0	230,230,0	0.01	2.22e-03	7.69e-03206,230,230	0.09	206	0.87	0.06	0.94
	0.03	0.02	0.0	205,206,0	0.01	2.76e-03	2.76e-03206,219,219			1.00	0.04	0.96
4008	0.01	9.95e-03	0.0	230,229,0	0.02	7.38e-03	9.40e-03206,230,230	0.10	206	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.02	1.81e-03	1.81e-03206,215,215			1.00	0.04	0.96
4009	0.02	0.01	0.0	230,230,0	0.02	4.91e-03	9.40e-03206,230,230	0.10	206	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.02	1.81e-03	1.81e-03206,215,215			1.00	0.04	0.96
4010	0.02	0.01	0.0	230,230,0	0.02	2.52e-03	8.65e-03206,229,230	0.10	206	0.87	0.06	0.94
	0.03	0.02	0.0	205,206,0	0.02	1.72e-03	1.72e-03206,215,215			1.00	0.04	0.96
4011	0.02	0.01	0.0	230,230,0	0.01	2.56e-03	8.73e-03206,230,230	0.09	206	0.87	0.06	0.94
	0.04	0.03	0.0	205,206,0	0.01	1.28e-03	1.28e-03206,234,234			1.00	0.04	0.96
4012	0.01	0.01	0.0	230,229,0	0.02	7.87e-03	0.01206,230,230	0.10	206	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.02	1.14e-03	1.14e-03206,230,230			1.00	0.04	0.96
4013	0.02	0.01	0.0	230,230,0	0.02	5.31e-03	0.01206,230,230	0.10	206	0.87	0.06	0.94
	0.02	0.02	0.0	229,230,0	0.02	1.60e-03	1.60e-03206,230,230			1.00	0.04	0.96
4014	0.02	0.02	0.0	230,230,0	0.02	2.71e-03	9.30e-03206,229,230	0.10	206	0.87	0.06	0.94
	0.03	0.02	0.0	205,206,0	0.02	1.69e-03	1.69e-03206,230,230			1.00	0.04	0.96
4015	0.02	0.02	0.0	230,230,0	0.01	2.77e-03	9.39e-03206,230,230	0.09	206	0.87	0.06	0.94
	0.04	0.03	0.0	205,206,0	0.01	1.69e-03	1.69e-03206,230,230			1.00	0.04	0.96
4016	0.02	0.01	0.0	230,229,0	0.02	8.14e-03	0.01206,230,229	0.10	206	0.87	0.06	0.94
	0.01	0.01	0.0	229,230,0	0.02	1.15e-03	1.15e-03206,230,230			1.00	0.04	0.96
4017	0.02	0.02	0.0	230,230,0	0.02	5.53e-03	0.01206,230,229	0.10	206	0.87	0.06	0.94
	0.01	0.01	0.0	208,211,0	0.02	1.64e-03	1.64e-03206,230,230			1.00	0.04	0.96
4018	0.02	0.02	0.0	230,230,0	0.02	2.81e-03	9.68e-03206,229,230	0.10	206	0.87	0.06	0.94

	0.04	0.03	0.0 208,211,0	0.02	1.77e-03	1.77e-03206,229,229			1.00	0.04	0.96
4019	0.02	0.02	0.0 230,230,0	0.01	2.86e-03	9.75e-03206,230,230	0.09	206	0.87	0.06	0.94
	0.05	0.04	0.0 208,211,0	0.01	1.77e-03	1.77e-03206,229,229			1.00	0.04	0.96
4020	0.02	0.01	0.0 230,229,0	0.01	8.33e-03	0.01207,230,230	0.09	207	0.87	0.06	0.94
	7.65e-03	7.38e-03	0.0 229,230,0	0.01	1.15e-03	1.15e-03207,230,230			1.00	0.04	0.96
4021	0.02	0.02	0.0 230,230,0	0.01	5.65e-03	0.01206,230,230	0.09	206	0.87	0.06	0.94
	0.01	8.95e-03	0.0 208,211,0	0.01	1.64e-03	1.64e-03206,230,230			1.00	0.04	0.96
4022	0.02	0.02	0.0 229,230,0	0.01	2.82e-03	9.87e-03206,229,230	0.09	206	0.87	0.06	0.94
	0.05	0.03	0.0 208,211,0	0.01	1.77e-03	1.77e-03206,229,229			1.00	0.04	0.96
4023	0.02	0.02	0.0 229,230,0	0.01	2.88e-03	9.93e-03206,230,230	0.09	206	0.87	0.06	0.94
	0.06	0.04	0.0 204,207,0	0.01	1.77e-03	1.77e-03206,229,229			1.00	0.04	0.96
4024	0.02	0.01	0.0 230,229,0	0.01	8.33e-03	0.01207,230,229	0.09	207	0.87	0.06	0.94
	5.92e-03	6.07e-03	0.0 209,210,0	0.01	8.89e-04	8.89e-04207,235,235			1.00	0.04	0.96
4025	0.02	0.02	0.0 230,229,0	0.01	5.81e-03	0.01206,230,229	0.09	206	0.87	0.06	0.94
	7.85e-03	6.57e-03	0.0 209,206,0	0.01	1.43e-03	1.43e-03206,231,231			1.00	0.04	0.96
4026	0.02	0.02	0.0 230,229,0	0.01	2.83e-03	0.01206,229,229	0.09	206	0.87	0.06	0.94
	0.05	0.04	0.0 205,206,0	0.01	1.62e-03	1.62e-03206,235,235			1.00	0.04	0.96
4027	0.02	0.02	0.0 230,229,0	0.01	2.89e-03	0.01206,230,230	0.09	206	0.87	0.06	0.94
	0.07	0.05	0.0 208,211,0	0.01	1.62e-03	1.62e-03206,235,235			1.00	0.04	0.96
4028	0.02	0.02	0.0 229,230,0	0.01	8.47e-03	0.01207,231,231	0.09	207	0.87	0.06	0.94
	4.98e-03	4.95e-03	0.0 209,210,0	0.01	4.70e-04	4.70e-04207,207,207			1.00	0.04	0.96
4029	0.02	0.02	0.0 229,230,0	0.01	5.81e-03	0.01206,230,229	0.09	206	0.87	0.06	0.94
	4.98e-03	4.95e-03	0.0 209,210,0	0.01	8.78e-04	8.78e-04206,231,231			1.00	0.04	0.96
4030	0.02	0.02	0.0 230,229,0	0.02	2.97e-03	0.01206,228,229	0.10	206	0.87	0.06	0.94
	0.07	0.05	0.0 205,206,0	0.02	1.42e-03	1.42e-03206,231,231			1.00	0.04	0.96
4031	0.02	0.02	0.0 230,229,0	0.02	2.89e-03	0.01206,230,230	0.10	206	0.87	0.06	0.94
	0.09	0.06	0.0 208,211,0	0.02	1.42e-03	1.42e-03206,231,231			1.00	0.04	0.96
4032	0.03	0.03	0.0 208,211,0	0.01	8.47e-03	0.01207,231,231	0.09	207	0.87	0.06	0.94
	6.59e-03	5.24e-03	0.0 206,205,0	0.01	3.92e-04	3.92e-04207,207,207			1.00	0.04	0.96
4033	0.05	0.04	0.0 208,211,0	0.01	6.05e-03	0.01206,231,231	0.09	206	0.87	0.06	0.94
	0.01	9.55e-03	0.0 211,208,0	0.01	5.41e-04	5.41e-04206,230,230			1.00	0.04	0.96
4034	0.07	0.06	0.0 208,211,0	0.03	3.77e-03	0.01206,231,231	0.13	206	0.87	0.06	0.94
	0.07	0.05	0.0 208,211,0	0.03	2.72e-03	2.72e-03206,228,228			1.00	0.04	0.96
4035	0.07	0.06	0.0 208,211,0	0.03	6.73e-03	0.02206,228,231	0.13	206	0.87	0.06	0.94
	0.10	0.07	0.0 208,211,0	0.03	2.72e-03	2.72e-03206,228,228			1.00	0.04	0.96
4036	0.03	0.03	0.0 208,211,0	0.01	8.38e-03	0.01206,231,231	0.09	206	0.87	0.06	0.94
	6.59e-03	5.24e-03	0.0 206,205,0	0.01	2.59e-04	2.59e-04206,225,225			1.00	0.04	0.96
4037	0.05	0.04	0.0 208,211,0	0.01	6.05e-03	0.01206,231,231	0.09	206	0.87	0.06	0.94
	0.01	9.55e-03	0.0 211,208,0	0.01	5.41e-04	5.41e-04206,230,230			1.00	0.04	0.96
4038	0.07	0.06	0.0 208,211,0	0.03	3.77e-03	0.01206,231,231	0.13	206	0.87	0.06	0.94
	0.07	0.05	0.0 208,211,0	0.03	2.72e-03	2.72e-03206,228,228			1.00	0.04	0.96
4039	0.07	0.06	0.0 208,211,0	0.03	6.73e-03	0.02206,228,231	0.13	206	0.87	0.06	0.94
	0.10	0.07	0.0 208,211,0	0.03	2.72e-03	2.72e-03206,228,228			1.00	0.04	0.96
4040	2.58e-03	0.02	0.0 206,57,0	1.93e-03	4.08e-03	7.39e-03 210,59,59	0.03	210	0.87	0.06	0.94
	0.03	0.02	0.0 219,215,0	1.93e-03	0.01	0.01210,235,235			1.00	0.04	0.96
4041	7.87e-03	0.02	0.0 228,57,0	7.13e-03	4.08e-03	7.39e-03 210,59,59	0.06	210	0.87	0.06	0.94
	0.03	0.02	0.0 219,215,0	7.13e-03	0.01	0.01210,235,235			1.00	0.04	0.96
4042	4.12e-03	0.02	0.0 230,57,0	8.36e-04	6.45e-03	8.80e-03210,230,59	0.02	210	0.87	0.06	0.94
	0.02	0.02	0.0 215,235,0	8.33e-04	0.01	0.01210,235,235			1.00	0.04	0.96
4043	6.84e-03	0.02	0.0 230,57,0	4.22e-03	6.45e-03	8.80e-03210,230,59	0.05	210	0.87	0.06	0.94
	0.02	0.02	0.0 215,235,0	4.22e-03	0.01	0.01210,235,235			1.00	0.04	0.96
4044	4.12e-03	0.02	0.0 230,57,0	9.63e-05	6.45e-03	8.80e-03230,230,59	7.26e-03	230	0.87	0.06	0.94
	9.06e-03	9.08e-03	0.0 207,204,0	9.01e-05	4.43e-03	4.43e-03 230,59,59			1.00	0.04	0.96
4045	4.12e-03	0.02	0.0 230,57,0	3.10e-03	6.45e-03	8.80e-03 49,230,59	0.04	49	0.87	0.06	0.94
	9.06e-03	9.32e-03	0.0 207,59,0	3.10e-03	4.43e-03	4.43e-03 49,59,59			1.00	0.04	0.96
4046	0.01	0.01	0.0 230,229,0	8.55e-03	3.63e-03	7.02e-03206,230,230	0.07	206	0.87	0.06	0.94
	0.02	0.02	0.0 209,210,0	8.55e-03	6.78e-03	6.78e-03206,231,231			1.00	0.04	0.96
4047	9.66e-03	7.68e-03	0.0 230,230,0	5.33e-03	5.90e-03	7.22e-03210,230,230	0.06	210	0.87	0.06	0.94
	0.01	0.01	0.0 232,235,0	5.33e-03	4.69e-03	4.69e-03210,231,231			1.00	0.04	0.96
4048	3.63e-03	4.69e-03	0.0 229,59,0	4.03e-03	5.90e-03	7.22e-0349,230,230	0.05	49	0.87	0.06	0.94
	5.78e-03	9.32e-03	0.0 210,59,0	4.03e-03	2.32e-03	2.32e-0349,210,210			1.00	0.04	0.96
4049	0.02	0.01	0.0 230,229,0	8.55e-03	4.50e-03	8.52e-03206,230,230	0.07	206	0.87	0.06	0.94
	0.03	0.02	0.0 205,206,0	8.55e-03	2.72e-03	2.72e-03206,219,219			1.00	0.04	0.96
4050	0.01	8.95e-03	0.0 230,229,0	5.33e-03	7.01e-03	8.54e-03210,229,229	0.06	210	0.87	0.06	0.94
	0.02	0.01	0.0 209,231,0	5.33e-03	2.41e-03	2.41e-03210,232,232			1.00	0.04	0.96
4051	4.53e-03	3.44e-03	0.0 230,229,0	4.03e-03	7.01e-03	8.54e-0349,229,229	0.05	49	0.87	0.06	0.94
	2.97e-03	7.20e-03	0.0 233,57,0	4.03e-03	1.42e-03	1.42e-0349,212,212			1.00	0.04	0.96
4052	0.02	0.01	0.0 230,230,0	8.10e-03	5.11e-03	9.62e-03206,230,230	0.07	206	0.87	0.06	0.94
	0.04	0.03	0.0 205,206,0	8.10e-03	1.24e-03	1.24e-03206,233,233			1.00	0.04	0.96
4053	0.01	9.93e-03	0.0 229,229,0	4.89e-03	7.85e-03	9.62e-03206,229,230	0.05	206	0.87	0.06	0.94
	0.02	0.01	0.0 209,210,0	4.89e-03	8.91e-04	8.91e-04206,212,212			1.00	0.04	0.96
4054	5.10e-03	3.75e-03	0.0 229,230,0	3.59e-03	7.85e-03	9.56e-0349,229,229	0.05	49	0.87	0.06	0.94
	2.97e-03	5.71e-03	0.0 233,59,0	3.59e-03	8.90e-04	8.90e-0449,209,209			1.00	0.04	0.96
4055	0.02	0.01	0.0 229,230,0	7.38e-03	5.53e-03	0.01206,230,230	0.07	206	0.87	0.06	0.94
	0.04	0.03	0.0 205,206,0	7.38e-03	1.63e-03	1.63e-03206,229,229			1.00	0.04	0.96

4056	0.01	0.01	0.0 229,229,0	4.28e-03	8.33e-03	0.01206,229,230	0.05	206	0.87	0.06	0.94
	0.02	0.02	0.0 204,207,0	4.28e-03	1.14e-03	1.14e-03206,229,229			1.00	0.04	0.96
4057	5.42e-03	3.98e-03	0.0 229,229,0	3.02e-03	8.33e-03	0.01206,229,229	0.04	206	0.87	0.06	0.94
	2.73e-03	5.08e-03	0.0 229,230,0	3.02e-03	8.31e-04	8.31e-04206,232,232			1.00	0.04	0.96
4058	0.02	0.02	0.0 230,230,0	6.53e-03	5.73e-03	0.01206,229,230	0.06	206	0.87	0.06	0.94
	0.05	0.04	0.0 208,211,0	6.53e-03	1.63e-03	1.63e-03206,229,229			1.00	0.04	0.96
4059	0.02	0.01	0.0 230,230,0	3.61e-03	8.69e-03	0.01206,230,230	0.05	206	0.87	0.06	0.94
	0.03	0.02	0.0 208,211,0	3.61e-03	1.18e-03	1.18e-03206,230,230			1.00	0.04	0.96
4060	5.67e-03	4.16e-03	0.0 230,230,0	2.56e-03	8.69e-03	0.01206,230,230	0.04	206	0.87	0.06	0.94
	2.84e-03	5.31e-03	0.0 208,211,0	2.56e-03	1.18e-03	1.18e-03206,230,230			1.00	0.04	0.96
4061	0.02	0.02	0.0 229,230,0	5.61e-03	5.82e-03	0.01206,229,230	0.06	206	0.87	0.06	0.94
	0.06	0.04	0.0 204,207,0	5.61e-03	1.61e-03	1.61e-03206,229,229			1.00	0.04	0.96
4062	0.02	0.01	0.0 230,230,0	2.96e-03	8.91e-03	0.01206,230,230	0.04	206	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	2.96e-03	1.18e-03	1.18e-03206,230,230			1.00	0.04	0.96
4063	5.80e-03	4.29e-03	0.0 229,230,0	2.12e-03	8.91e-03	0.01206,230,230	0.04	206	0.87	0.06	0.94
	2.84e-03	5.31e-03	0.0 208,211,0	2.12e-03	1.18e-03	1.18e-03206,230,230			1.00	0.04	0.96
4064	0.02	0.02	0.0 229,230,0	4.62e-03	5.93e-03	0.01206,230,230	0.05	206	0.87	0.06	0.94
	0.07	0.05	0.0 208,211,0	4.62e-03	1.37e-03	1.37e-03206,229,229			1.00	0.04	0.96
4065	0.02	0.01	0.0 229,230,0	2.36e-03	9.04e-03	0.01206,229,230	0.04	206	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	2.35e-03	7.77e-04	7.77e-04206,229,229			1.00	0.04	0.96
4066	5.91e-03	4.33e-03	0.0 229,230,0	1.70e-03	9.04e-03	0.01206,229,229	0.03	206	0.87	0.06	0.94
	4.38e-03	5.38e-03	0.0 221,222,0	1.70e-03	4.18e-04	4.18e-04206,231,231			1.00	0.04	0.96
4067	0.02	0.02	0.0 229,230,0	3.71e-03	5.93e-03	0.01206,230,230	0.05	206	0.87	0.06	0.94
	0.09	0.06	0.0 208,211,0	3.70e-03	1.03e-03	1.03e-03206,235,235			1.00	0.04	0.96
4068	0.02	0.01	0.0 229,230,0	2.08e-03	9.04e-03	0.01210,229,230	0.03	210	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	2.08e-03	9.68e-04	9.68e-04210,232,232			1.00	0.04	0.96
4069	5.91e-03	4.33e-03	0.0 229,230,0	1.47e-03	9.04e-03	0.01206,229,229	0.03	206	0.87	0.06	0.94
	6.95e-03	6.32e-03	0.0 221,222,0	1.47e-03	2.60e-04	2.60e-04206,233,233			1.00	0.04	0.96
4070	0.05	0.04	0.0 208,211,0	0.01	6.84e-03	0.02210,228,231	0.08	210	0.87	0.06	0.94
	0.10	0.07	0.0 208,211,0	0.01	1.80e-03	1.80e-03210,228,228			1.00	0.04	0.96
4071	0.03	0.02	0.0 205,206,0	0.01	8.83e-03	0.01210,229,235	0.08	210	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	0.01	1.29e-03	1.29e-03210,228,228			1.00	0.04	0.96
4072	7.54e-03	6.73e-03	0.0 205,206,0	9.49e-03	8.83e-03	0.01206,229,229	0.07	206	0.87	0.06	0.94
	9.25e-03	6.83e-03	0.0 229,230,0	9.49e-03	1.02e-03	1.02e-03206,232,232			1.00	0.04	0.96
4073	0.05	0.04	0.0 208,211,0	0.01	6.84e-03	0.02210,228,231	0.08	210	0.87	0.06	0.94
	0.10	0.07	0.0 208,211,0	0.01	1.80e-03	1.80e-03210,228,228			1.00	0.04	0.96
4074	0.03	0.02	0.0 205,206,0	0.01	7.81e-03	0.01210,229,235	0.08	210	0.87	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.01	1.29e-03	1.29e-03210,228,228			1.00	0.04	0.96
4075	7.54e-03	6.73e-03	0.0 205,206,0	9.49e-03	7.81e-03	9.57e-03206,229,229	0.07	206	0.87	0.06	0.94
	9.25e-03	6.83e-03	0.0 229,230,0	9.49e-03	1.02e-03	1.02e-03206,232,232			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.10	0.07	0.0	0.03	0.01	0.02	0.13				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
107	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.23	-43.1	175	0.08	-14.4	177	0.79	-1222.0	1.248e+06	204

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2246	0.02	0.05	0.0 210,209,0	5.41e-04	2.78e-03	6.20e-03207,235,204	0.02	207	0.87	0.06	0.94		
	6.82e-03	0.01	0.0 217,218,0	5.45e-04	8.80e-03	8.80e-03207,212,212							
2247	0.02	0.05	0.0 210,209,0	9.77e-04	2.78e-03	6.20e-03209,235,204	0.02	209	0.87	0.06	0.94		
	0.07	0.06	0.0 204,207,0	9.82e-04	0.01	0.01209,215,215							
2308	1.87e-03	0.03	0.0 220,59,0	8.45e-03	3.63e-03	5.51e-03207,234,229	0.07	207	0.87	0.06	0.94		
	0.07	0.06	0.0 204,207,0	8.45e-03	0.01	0.01207,215,215							
2311	1.87e-03	0.02	0.0 220,59,0	8.45e-03	4.49e-03	5.79e-03207,234,233	0.07	207	0.87	0.06	0.94		
	0.04	0.03	0.0 204,207,0	8.45e-03	3.54e-03	3.54e-03207,215,215							
2314	2.13e-03	8.45e-03	0.0 234,59,0	7.72e-03	5.08e-03	6.36e-03207,234,234	0.07	207	0.87	0.06	0.94		
	0.02	0.02	0.0 204,207,0	7.72e-03	9.74e-04	9.74e-04207,218,218							
2317	3.41e-03	3.95e-03	0.0 230,231,0	7.72e-03	5.59e-03	6.90e-03207,234,234	0.07	207	0.87	0.06	0.94		
	0.02	0.02	0.0 208,211,0	7.72e-03	7.73e-04	7.73e-04207,223,223							
2320	3.90e-03	3.35e-03	0.0 230,229,0	7.53e-03	5.98e-03	7.36e-03207,230,234	0.07	207	0.87	0.06	0.94		
	0.01	0.01	0.0 204,207,0	7.53e-03	8.12e-04	8.12e-04207,223,223							
2323	4.31e-03	3.27e-03	0.0 228,231,0	7.23e-03	6.31e-03	7.76e-03207,234,234	0.07	207	0.87	0.06	0.94		
	7.11e-03	8.77e-03	0.0 204,207,0	7.23e-03	8.12e-04	8.12e-04207,223,223							
2326	4.75e-03	3.64e-03	0.0 223,220,0	6.86e-03	6.82e-03	8.40e-03207,226,226	0.06	207	0.87	0.06	0.94		

	3.64e-03	5.93e-03	0.0 208,211,0	6.86e-03	6.87e-04	6.87e-04207,223,223			1.00	0.04	0.96
2329	0.01	0.01	0.0 204,207,0	8.22e-03	7.14e-03	9.55e-03204,223,223	0.07	204	0.87	0.06	0.94
	2.86e-03	4.71e-03	0.0 207,204,0	8.22e-03	5.67e-04	5.67e-04204,215,215			1.00	0.04	0.96
2332	0.02	0.02	0.0 204,207,0	0.01	7.77e-03	0.01204,223,223	0.08	204	0.87	0.06	0.94
	4.08e-03	4.72e-03	0.0 207,204,0	0.01	4.49e-04	4.49e-04204,225,225			1.00	0.04	0.96
2335	0.02	0.02	0.0 204,207,0	0.01	7.77e-03	0.01204,223,223	0.08	204	0.87	0.06	0.94
	4.08e-03	4.72e-03	0.0 207,204,0	0.01	4.49e-04	4.49e-04204,225,225			1.00	0.04	0.96
4076	0.02	0.06	0.0 210,209,0	8.81e-03	2.78e-03	7.46e-03207,235,57	0.07	207	0.87	0.06	0.94
	6.82e-03	0.01	0.0 217,218,0	8.81e-03	8.80e-03	8.80e-03207,212,212			1.00	0.04	0.96
4077	0.02	0.06	0.0 210,209,0	8.81e-03	2.78e-03	7.46e-03207,235,57	0.07	207	0.87	0.06	0.94
	0.07	0.06	0.0 204,207,0	8.81e-03	0.01	0.01207,215,215			1.00	0.04	0.96
4078	0.04	0.07	0.0 210,209,0	8.81e-03	2.51e-03	8.50e-03207,227,209	0.07	207	0.87	0.06	0.94
	9.62e-03	0.01	0.0 209,57,0	8.81e-03	2.09e-03	2.09e-03207,229,229			1.00	0.04	0.96
4079	0.04	0.07	0.0 210,209,0	8.81e-03	2.51e-03	8.50e-03207,227,209	0.07	207	0.87	0.06	0.94
	0.06	0.05	0.0 204,207,0	8.81e-03	9.41e-03	9.41e-03207,223,223			1.00	0.04	0.96
4080	0.06	0.09	0.0 210,209,0	0.01	1.97e-03	0.01205,230,209	0.08	205	0.87	0.06	0.94
	0.04	0.03	0.0 210,209,0	0.01	7.00e-03	7.00e-03205,228,228			1.00	0.04	0.96
4081	0.06	0.09	0.0 210,209,0	0.01	1.97e-03	0.01205,230,209	0.08	205	0.87	0.06	0.94
	0.04	0.03	0.0 210,209,0	0.01	9.92e-03	9.92e-03205,229,229			1.00	0.04	0.96
4082	0.06	0.09	0.0 210,209,0	0.01	1.97e-03	0.01205,230,209	0.08	205	0.87	0.06	0.94
	0.04	0.03	0.0 222,209,0	0.01	0.01	0.01205,228,228			1.00	0.04	0.96
4083	0.06	0.09	0.0 210,209,0	0.01	1.97e-03	0.01205,230,209	0.08	205	0.87	0.06	0.94
	0.04	0.03	0.0 222,209,0	0.01	0.01	0.01205,228,228			1.00	0.04	0.96
4084	0.02	0.05	0.0 210,209,0	3.17e-03	5.67e-03	0.01209,204,204	0.04	209	0.87	0.06	0.94
	0.06	0.04	0.0 208,211,0	3.17e-03	0.01	0.01209,228,228			1.00	0.04	0.96
4085	0.02	0.05	0.0 210,209,0	3.17e-03	5.67e-03	0.01209,204,204	0.04	209	0.87	0.06	0.94
	0.06	0.04	0.0 208,211,0	3.17e-03	0.01	0.01209,228,228			1.00	0.04	0.96
4086	3.99e-03	0.04	0.0 210,57,0	3.17e-03	7.10e-03	0.01209,204,204	0.04	209	0.87	0.06	0.94
	0.06	0.04	0.0 208,211,0	3.17e-03	8.23e-03	8.23e-03209,204,204			1.00	0.04	0.96
4087	4.54e-03	0.04	0.0 230,57,0	3.17e-03	7.10e-03	0.01209,204,204	0.04	209	0.87	0.06	0.94
	0.06	0.04	0.0 208,211,0	3.17e-03	8.23e-03	8.23e-03209,204,204			1.00	0.04	0.96
4088	1.25e-03	0.03	0.0 224,57,0	5.59e-04	7.10e-03	9.74e-03206,204,204	0.02	206	0.87	0.06	0.94
	0.04	0.03	0.0 208,211,0	5.59e-04	8.23e-03	8.23e-03206,204,204			1.00	0.04	0.96
4089	4.54e-03	0.03	0.0 230,57,0	5.59e-04	7.10e-03	9.74e-03206,204,204	0.02	206	0.87	0.06	0.94
	0.04	0.03	0.0 208,211,0	5.59e-04	8.23e-03	8.23e-03206,204,204			1.00	0.04	0.96
4098	1.87e-03	0.03	0.0 220,59,0	0.02	3.63e-03	5.51e-03207,234,229	0.09	207	0.87	0.06	0.94
	0.07	0.06	0.0 204,207,0	0.02	0.01	0.01207,215,215			1.00	0.04	0.96
4099	3.30e-03	0.03	0.0 220,59,0	0.02	1.60e-03	4.33e-03207,228,231	0.09	207	0.87	0.06	0.94
	0.06	0.05	0.0 204,207,0	0.02	9.41e-03	9.41e-03207,223,223			1.00	0.04	0.96
4100	4.43e-03	0.03	0.0 220,59,0	0.01	1.26e-03	3.99e-03207,220,231	0.08	207	0.87	0.06	0.94
	0.03	0.02	0.0 222,221,0	0.01	9.92e-03	9.92e-03207,229,229			1.00	0.04	0.96
4101	6.06e-03	0.03	0.0 220,59,0	6.63e-03	7.39e-04	3.38e-03207,204,57	0.06	207	0.87	0.06	0.94
	0.04	0.03	0.0 222,221,0	6.63e-03	0.01	0.01207,235,235			1.00	0.04	0.96
4102	5.72e-03	0.02	0.0 230,59,0	0.02	4.49e-03	5.79e-03207,234,233	0.09	207	0.87	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.02	5.57e-03	5.57e-03207,215,215			1.00	0.04	0.96
4103	8.32e-03	0.02	0.0 234,59,0	0.02	2.52e-03	5.31e-03207,234,234	0.09	207	0.87	0.06	0.94
	0.04	0.03	0.0 204,207,0	0.02	5.57e-03	5.57e-03207,215,215			1.00	0.04	0.96
4104	9.14e-03	0.02	0.0 230,59,0	0.01	1.33e-03	4.60e-03207,220,228	0.08	207	0.87	0.06	0.94
	0.02	0.01	0.0 218,217,0	0.01	5.35e-03	5.35e-03207,227,227			1.00	0.04	0.96
4105	9.14e-03	0.02	0.0 230,59,0	7.53e-03	1.21e-03	4.65e-03207,234,234	0.07	207	0.87	0.06	0.94
	0.03	0.02	0.0 204,207,0	7.53e-03	5.14e-03	5.14e-03207,235,235			1.00	0.04	0.96
4106	7.97e-03	9.43e-03	0.0 234,229,0	0.01	5.08e-03	6.41e-03207,234,234	0.09	207	0.87	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.01	2.22e-03	2.22e-03207,215,215			1.00	0.04	0.96
4107	0.01	0.01	0.0 234,233,0	0.01	3.25e-03	6.41e-03207,234,234	0.09	207	0.87	0.06	0.94
	0.02	0.02	0.0 208,207,0	0.01	2.50e-03	2.50e-03207,227,227			1.00	0.04	0.96
4108	0.01	0.01	0.0 234,234,0	0.01	1.55e-03	5.75e-03207,228,234	0.08	207	0.87	0.06	0.94
	0.02	0.01	0.0 228,231,0	0.01	2.50e-03	2.50e-03207,227,227			1.00	0.04	0.96
4109	0.01	0.01	0.0 234,234,0	7.57e-03	1.71e-03	5.83e-03207,234,234	0.07	207	0.87	0.06	0.94
	0.04	0.02	0.0 204,207,0	7.57e-03	2.16e-03	2.16e-03207,227,227			1.00	0.04	0.96
4110	9.85e-03	7.72e-03	0.0 234,234,0	0.01	5.59e-03	7.15e-03207,234,234	0.08	207	0.87	0.06	0.94
	0.02	0.02	0.0 208,211,0	0.01	8.64e-04	8.64e-04207,234,234			1.00	0.04	0.96
4111	0.01	0.01	0.0 234,234,0	0.01	3.72e-03	7.15e-03207,234,234	0.08	207	0.87	0.06	0.94
	0.02	0.02	0.0 208,211,0	0.01	1.34e-03	1.34e-03207,234,234			1.00	0.04	0.96
4112	0.01	0.01	0.0 234,234,0	0.01	1.85e-03	6.53e-03207,234,234	0.08	207	0.87	0.06	0.94
	0.04	0.02	0.0 204,207,0	0.01	1.47e-03	1.47e-03207,234,234			1.00	0.04	0.96
4113	0.01	0.01	0.0 234,234,0	7.57e-03	1.96e-03	6.61e-03207,234,234	0.07	207	0.87	0.06	0.94
	0.06	0.03	0.0 204,207,0	7.57e-03	1.47e-03	1.47e-03207,234,234			1.00	0.04	0.96
4114	0.01	8.12e-03	0.0 230,234,0	0.01	5.98e-03	7.68e-03207,230,234	0.08	207	0.87	0.06	0.94
	0.02	0.02	0.0 208,211,0	0.01	1.00e-03	1.00e-03207,228,228			1.00	0.04	0.96
4115	0.01	0.01	0.0 234,234,0	0.01	4.02e-03	7.68e-03207,234,234	0.08	207	0.87	0.06	0.94
	0.02	0.02	0.0 208,211,0	0.01	1.50e-03	1.50e-03207,234,234			1.00	0.04	0.96
4116	0.02	0.01	0.0 234,234,0	0.01	2.01e-03	7.04e-03207,234,234	0.08	207	0.87	0.06	0.94
	0.05	0.03	0.0 204,207,0	0.01	1.67e-03	1.67e-03207,234,234			1.00	0.04	0.96
4117	0.02	0.01	0.0 234,234,0	7.59e-03	2.11e-03	7.12e-03207,234,234	0.07	207	0.87	0.06	0.94
	0.08	0.05	0.0 204,207,0	7.59e-03	1.67e-03	1.67e-03207,234,234			1.00	0.04	0.96

4118	0.01	8.51e-03	0.0	234,234,0	9.85e-03	6.31e-03	8.13e-03	03207,234,234	0.08	207	0.87	0.06	0.94
	0.01	0.01	0.0	208,211,0	9.85e-03	1.00e-03	1.00e-03	03207,228,228			1.00	0.04	0.96
4119	0.02	0.01	0.0	234,234,0	0.01	4.26e-03	8.13e-03	03207,234,234	0.08	207	0.87	0.06	0.94
	0.01	0.01	0.0	208,211,0	0.01	1.50e-03	1.50e-03	03207,234,234			1.00	0.04	0.96
4120	0.02	0.01	0.0	231,228,0	0.01	2.09e-03	7.42e-03	03207,234,234	0.08	207	0.87	0.06	0.94
	0.07	0.04	0.0	204,207,0	0.01	1.67e-03	1.67e-03	03207,234,234			1.00	0.04	0.96
4121	0.02	0.01	0.0	231,228,0	8.07e-03	2.20e-03	7.50e-03	03207,234,234	0.07	207	0.87	0.06	0.94
	0.10	0.06	0.0	204,207,0	8.07e-03	1.67e-03	1.67e-03	03207,234,234			1.00	0.04	0.96
4122	0.01	9.35e-03	0.0	221,222,0	8.92e-03	6.82e-03	8.94e-03	03207,226,226	0.07	207	0.87	0.06	0.94
	0.01	9.60e-03	0.0	208,211,0	8.92e-03	8.00e-04	8.00e-04	04207,231,231			1.00	0.04	0.96
4123	0.02	0.01	0.0	220,223,0	9.77e-03	4.72e-03	8.94e-03	03207,226,226	0.08	207	0.87	0.06	0.94
	0.01	9.60e-03	0.0	208,211,0	9.77e-03	1.31e-03	1.31e-03	03207,233,233			1.00	0.04	0.96
4124	0.02	0.01	0.0	220,223,0	9.77e-03	2.27e-03	8.09e-03	03207,225,225	0.08	207	0.87	0.06	0.94
	0.08	0.05	0.0	204,207,0	9.77e-03	1.63e-03	1.63e-03	03207,229,229			1.00	0.04	0.96
4125	0.02	0.01	0.0	220,223,0	9.19e-03	2.32e-03	8.09e-03	03207,225,226	0.07	207	0.87	0.06	0.94
	0.12	0.07	0.0	204,207,0	9.19e-03	1.63e-03	1.63e-03	03207,229,229			1.00	0.04	0.96
4126	0.02	0.01	0.0	220,223,0	9.77e-03	7.14e-03	0.01	204,223,223	0.08	204	0.87	0.06	0.94
	8.52e-03	7.77e-03	0.0	208,211,0	9.77e-03	6.84e-04	6.84e-04	04204,226,226			1.00	0.04	0.96
4127	0.02	0.02	0.0	221,222,0	0.01	5.20e-03	0.01	204,223,223	0.08	204	0.87	0.06	0.94
	8.52e-03	7.77e-03	0.0	208,211,0	0.01	1.07e-03	1.07e-03	03204,222,222			1.00	0.04	0.96
4128	0.02	0.02	0.0	223,220,0	0.01	2.97e-03	9.52e-03	03204,222,222	0.09	204	0.87	0.06	0.94
	0.10	0.06	0.0	204,207,0	0.01	1.39e-03	1.39e-03	03204,235,235			1.00	0.04	0.96
4129	0.02	0.02	0.0	223,220,0	0.01	2.50e-03	8.95e-03	03204,224,220	0.09	204	0.87	0.06	0.94
	0.14	0.09	0.0	204,207,0	0.01	1.39e-03	1.39e-03	03204,235,235			1.00	0.04	0.96
4130	0.03	0.03	0.0	208,211,0	0.01	7.77e-03	0.01	204,223,231	0.08	204	0.87	0.06	0.94
	7.81e-03	6.56e-03	0.0	204,207,0	0.01	6.84e-04	6.84e-04	04204,226,226			1.00	0.04	0.96
4131	0.05	0.04	0.0	204,207,0	0.01	5.84e-03	0.01	204,223,223	0.09	204	0.87	0.06	0.94
	0.02	0.01	0.0	207,204,0	0.01	1.07e-03	1.07e-03	03204,222,222			1.00	0.04	0.96
4132	0.07	0.06	0.0	204,207,0	0.03	4.11e-03	0.01	204,220,223	0.14	204	0.87	0.06	0.94
	0.12	0.07	0.0	204,207,0	0.03	3.89e-03	3.89e-03	03204,220,220			1.00	0.04	0.96
4133	0.07	0.06	0.0	204,207,0	0.03	6.65e-03	0.02	204,220,223	0.14	204	0.87	0.06	0.94
	0.17	0.11	0.0	204,207,0	0.03	3.89e-03	3.89e-03	03204,220,220			1.00	0.04	0.96
4134	0.03	0.03	0.0	208,211,0	0.01	7.77e-03	0.01	204,223,231	0.08	204	0.87	0.06	0.94
	7.81e-03	5.93e-03	0.0	204,207,0	0.01	4.49e-04	4.49e-04	04204,225,225			1.00	0.04	0.96
4135	0.05	0.04	0.0	204,207,0	0.01	5.84e-03	0.01	204,223,223	0.09	204	0.87	0.06	0.94
	0.02	0.01	0.0	207,204,0	0.01	8.97e-04	8.97e-04	04204,222,222			1.00	0.04	0.96
4136	0.07	0.06	0.0	204,207,0	0.03	4.11e-03	0.01	204,220,223	0.14	204	0.87	0.06	0.94
	0.12	0.07	0.0	204,207,0	0.03	3.89e-03	3.89e-03	03204,220,220			1.00	0.04	0.96
4137	0.07	0.06	0.0	204,207,0	0.03	6.65e-03	0.02	204,220,223	0.14	204	0.87	0.06	0.94
	0.17	0.11	0.0	204,207,0	0.03	3.89e-03	3.89e-03	03204,220,220			1.00	0.04	0.96
4138	6.66e-03	0.03	0.0	220,59,0	1.01e-03	4.88e-03	7.70e-03	0349,204,204	0.02	49	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	1.01e-03	0.01	0.01	49,235,235			1.00	0.04	0.96
4139	6.66e-03	0.03	0.0	220,57,0	1.37e-03	6.71e-03	8.51e-03	03208,220,204	0.03	208	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	1.37e-03	5.83e-03	5.83e-03	03208,220,220			1.00	0.04	0.96
4140	4.54e-03	0.02	0.0	230,57,0	1.37e-03	6.71e-03	8.51e-03	03208,220,204	0.03	208	0.87	0.06	0.94
	0.02	0.01	0.0	208,211,0	1.37e-03	5.83e-03	5.83e-03	03208,220,220			1.00	0.04	0.96
4141	9.04e-03	0.02	0.0	234,59,0	2.22e-03	2.66e-03	5.27e-03	0349,228,228	0.04	49	0.87	0.06	0.94
	0.04	0.02	0.0	204,207,0	2.22e-03	4.65e-03	4.65e-03	0349,229,229			1.00	0.04	0.96
4142	6.66e-03	0.01	0.0	220,59,0	2.22e-03	4.47e-03	5.49e-03	0349,234,234	0.04	49	0.87	0.06	0.94
	0.04	0.02	0.0	204,207,0	2.22e-03	3.17e-03	3.17e-03	0349,227,227			1.00	0.04	0.96
4143	3.36e-03	9.10e-03	0.0	204,59,0	2.03e-03	4.47e-03	5.49e-03	0349,234,234	0.03	49	0.87	0.06	0.94
	0.01	9.80e-03	0.0	208,211,0	2.03e-03	1.81e-03	1.81e-03	0349,212,212			1.00	0.04	0.96
4144	0.01	9.37e-03	0.0	234,234,0	2.22e-03	3.37e-03	6.39e-03	0349,234,234	0.04	49	0.87	0.06	0.94
	0.04	0.02	0.0	204,207,0	2.22e-03	1.91e-03	1.91e-03	0349,227,227			1.00	0.04	0.96
4145	8.65e-03	6.83e-03	0.0	234,234,0	2.22e-03	5.22e-03	6.39e-03	0349,234,234	0.04	49	0.87	0.06	0.94
	0.04	0.02	0.0	204,207,0	2.22e-03	1.91e-03	1.91e-03	0349,227,227			1.00	0.04	0.96
4146	3.26e-03	3.01e-03	0.0	234,228,0	2.03e-03	5.22e-03	6.36e-03	0349,234,234	0.03	49	0.87	0.06	0.94
	0.01	8.92e-03	0.0	209,210,0	2.03e-03	1.00e-03	1.00e-03	0349,212,212			1.00	0.04	0.96
4147	0.01	0.01	0.0	234,234,0	2.13e-03	3.85e-03	7.23e-03	0349,234,234	0.04	49	0.87	0.06	0.94
	0.06	0.03	0.0	204,207,0	2.13e-03	1.32e-03	1.32e-03	0349,234,234			1.00	0.04	0.96
4148	9.94e-03	7.49e-03	0.0	234,234,0	2.13e-03	5.82e-03	7.23e-03	0349,234,234	0.04	49	0.87	0.06	0.94
	0.04	0.02	0.0	204,207,0	2.13e-03	8.32e-04	8.32e-04	0449,234,234			1.00	0.04	0.96
4149	3.73e-03	2.82e-03	0.0	230,234,0	2.02e-03	5.82e-03	7.09e-03	0349,234,234	0.03	49	0.87	0.06	0.94
	0.01	9.03e-03	0.0	204,207,0	2.02e-03	7.93e-04	7.93e-04	0449,232,232			1.00	0.04	0.96
4150	0.01	0.01	0.0	230,234,0	1.62e-03	4.15e-03	7.80e-03	0349,234,234	0.03	49	0.87	0.06	0.94
	0.08	0.05	0.0	204,207,0	1.62e-03	1.56e-03	1.56e-03	0349,233,233			1.00	0.04	0.96
4151	0.01	8.04e-03	0.0	230,234,0	1.77e-03	6.28e-03	7.80e-03	03209,234,234	0.03	209	0.87	0.06	0.94
	0.04	0.03	0.0	204,207,0	1.77e-03	1.07e-03	1.07e-03	03209,233,233			1.00	0.04	0.96
4152	4.07e-03	3.02e-03	0.0	230,234,0	1.77e-03	6.28e-03	7.65e-03	03209,234,234	0.03	209	0.87	0.06	0.94
	0.01	9.19e-03	0.0	204,207,0	1.77e-03	8.34e-04	8.34e-04	04209,232,232			1.00	0.04	0.96
4153	0.02	0.01	0.0	231,228,0	1.27e-03	4.38e-03	8.24e-03	03209,234,234	0.03	209	0.87	0.06	0.94
	0.10	0.06	0.0	204,207,0	1.27e-03	1.56e-03	1.56e-03	03209,233,233			1.00	0.04	0.96
4154	0.01	8.49e-03	0.0	230,228,0	1.61e-03	6.63e-03	8.24e-03	03209,234,234	0.03	209	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	1.61e-03	1.07e-03	1.07e-03	03209,233,233			1.00	0.04	0.96
4155	4.32e-03	3.19e-03	0.0	234,234,0	1.61e-03	6.63e-03	8.08e-03	03209,234,234	0.03	209	0.87	0.06	0.94

	0.01	9.19e-03	0.0	204,207,0	1.61e-03	8.34e-04	8.34e-04	209,232,232		1.00	0.04	0.96	
4156	0.02	0.01	0.0	225,226,0	1.23e-03	4.74e-03	8.96e-03	209,226,226	0.03	209	0.87	0.06	0.94
	0.12	0.07	0.0	204,207,0	1.23e-03	1.50e-03	1.50e-03	209,229,229		1.00	0.04	0.96	
4157	0.01	9.32e-03	0.0	225,226,0	1.44e-03	7.27e-03	8.96e-03	209,226,226	0.03	209	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	1.44e-03	9.27e-04	9.27e-04	209,233,233		1.00	0.04	0.96	
4158	4.76e-03	3.52e-03	0.0	225,226,0	1.44e-03	7.27e-03	8.86e-03	209,226,226	0.03	209	0.87	0.06	0.94
	9.56e-03	8.86e-03	0.0	204,207,0	1.44e-03	5.54e-04	5.54e-04	209,235,235		1.00	0.04	0.96	
4159	0.02	0.01	0.0	221,222,0	1.11e-03	5.60e-03	0.01	209,223,222	0.03	209	0.87	0.06	0.94
	0.14	0.09	0.0	204,207,0	1.11e-03	1.36e-03	1.36e-03	209,226,226		1.00	0.04	0.96	
4160	0.01	0.01	0.0	221,222,0	1.21e-03	7.86e-03	0.01	209,221,222	0.03	209	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	1.20e-03	1.36e-03	1.36e-03	209,226,226		1.00	0.04	0.96	
4161	5.69e-03	4.24e-03	0.0	221,222,0	1.21e-03	7.86e-03	9.61e-03	209,221,222	0.03	209	0.87	0.06	0.94
	6.44e-03	6.89e-03	0.0	204,207,0	1.20e-03	2.07e-04	2.07e-04	209,220,220		1.00	0.04	0.96	
4162	0.04	0.04	0.0	220,223,0	1.48e-03	6.84e-03	0.02	207,220,223	0.03	207	0.87	0.06	0.94
	0.17	0.11	0.0	204,207,0	1.48e-03	3.34e-03	3.34e-03	209,220,220		1.00	0.04	0.96	
4163	0.03	0.02	0.0	220,223,0	1.77e-03	7.94e-03	0.01	204,221,227	0.03	204	0.87	0.06	0.94
	0.05	0.03	0.0	204,207,0	1.77e-03	1.36e-03	1.36e-03	204,226,226		1.00	0.04	0.96	
4164	7.77e-03	5.98e-03	0.0	220,223,0	1.77e-03	7.94e-03	9.66e-03	204,221,227	0.03	204	0.87	0.06	0.94
	8.76e-03	6.91e-03	0.0	204,207,0	1.77e-03	7.82e-04	7.82e-04	204,224,224		1.00	0.04	0.96	
4165	0.04	0.04	0.0	220,223,0	1.48e-03	6.84e-03	0.02	207,220,223	0.03	207	0.87	0.06	0.94
	0.17	0.11	0.0	204,207,0	1.48e-03	3.34e-03	3.34e-03	209,220,220		1.00	0.04	0.96	
4166	0.03	0.02	0.0	220,223,0	1.77e-03	7.94e-03	0.01	204,221,227	0.03	204	0.87	0.06	0.94
	0.04	0.02	0.0	204,207,0	1.77e-03	7.82e-04	7.82e-04	204,224,224		1.00	0.04	0.96	
4167	7.77e-03	5.98e-03	0.0	220,223,0	1.77e-03	7.94e-03	9.66e-03	204,221,227	0.03	204	0.87	0.06	0.94
	8.76e-03	6.91e-03	0.0	204,207,0	1.77e-03	7.82e-04	7.82e-04	204,224,224		1.00	0.04	0.96	

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.17 0.11 0.0 0.03 0.01 0.02 0.14

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
108	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.0 0.0 0 0.0 0.0 0 0.0 0.0 kN kN m 0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4039	0.05	0.04	0.0	204,207,0	0.08	3.48e-03	7.80e-03	206,228,231	0.22	206	0.53	0.09	0.91
	0.08	0.05	0.0	205,206,0	0.08	0.01	0.01	206,232,232		1.00	0.04	0.96	
4073	0.05	0.04	0.0	204,207,0	0.08	3.48e-03	7.80e-03	206,228,231	0.22	206	0.53	0.09	0.91
	0.08	0.05	0.0	205,206,0	0.08	0.01	0.01	206,232,232		1.00	0.04	0.96	
4074	0.01	7.53e-03	0.0	209,210,0	0.08	7.05e-04	1.77e-03	206,204,207	0.22	206	0.53	0.09	0.91
	0.06	0.04	0.0	228,231,0	0.08	0.02	0.02	206,229,229		1.00	0.04	0.96	
4075	0.01	7.53e-03	0.0	209,210,0	0.07	1.22e-03	1.85e-03	206,229,229	0.20	206	0.53	0.09	0.91
	0.03	0.02	0.0	205,206,0	0.07	0.02	0.02	206,229,229		1.00	0.04	0.96	
4082	0.02	0.01	0.0	222,221,0	0.07	4.25e-03	6.47e-03	205,228,235	0.20	205	0.53	0.09	0.91
	0.05	0.05	0.0	210,209,0	0.07	5.82e-03	5.82e-03	205,220,220		1.00	0.04	0.96	
4084	0.02	0.01	0.0	204,207,0	0.08	4.25e-03	6.47e-03	206,228,235	0.21	206	0.53	0.09	0.91
	0.05	0.05	0.0	210,209,0	0.08	5.82e-03	5.82e-03	206,220,220		1.00	0.04	0.96	
4086	0.02	0.01	0.0	204,207,0	0.08	1.04e-03	2.30e-03	206,220,207	0.21	206	0.53	0.09	0.91
	0.05	0.08	0.0	204,207,0	0.08	5.04e-03	5.04e-03	206,204,204		1.00	0.04	0.96	
4088	9.32e-03	5.09e-03	0.0	209,210,0	0.08	1.39e-03	1.89e-03	206,229,230	0.21	206	0.53	0.09	0.91
	0.05	0.08	0.0	204,207,0	0.08	5.04e-03	5.04e-03	206,204,204		1.00	0.04	0.96	
4090	0.05	0.04	0.0	204,207,0	0.09	3.48e-03	7.80e-03	206,228,231	0.22	206	0.53	0.09	0.91
	0.08	0.05	0.0	205,206,0	0.09	0.01	0.01	206,232,232		1.00	0.04	0.96	
4091	0.05	0.04	0.0	204,207,0	0.08	3.48e-03	7.80e-03	206,228,231	0.22	206	0.53	0.09	0.91
	0.08	0.05	0.0	205,206,0	0.08	0.01	0.01	206,232,232		1.00	0.04	0.96	
4092	0.01	8.03e-03	0.0	204,207,0	0.09	1.22e-03	1.85e-03	206,229,229	0.22	206	0.53	0.09	0.91
	0.06	0.04	0.0	228,231,0	0.09	0.02	0.02	206,229,229		1.00	0.04	0.96	
4093	6.45e-03	4.76e-03	0.0	209,210,0	0.08	1.22e-03	1.85e-03	206,229,229	0.21	206	0.53	0.09	0.91
	9.83e-03	6.72e-03	0.0	228,231,0	0.08	7.21e-03	7.21e-03	206,230,230		1.00	0.04	0.96	
4094	0.02	0.02	0.0	204,207,0	0.09	4.25e-03	6.47e-03	206,228,235	0.22	206	0.53	0.09	0.91
	0.05	0.05	0.0	210,209,0	0.09	5.82e-03	5.82e-03	206,220,220		1.00	0.04	0.96	
4095	0.02	0.02	0.0	204,207,0	0.07	4.25e-03	6.47e-03	205,228,235	0.20	205	0.53	0.09	0.91
	0.05	0.05	0.0	210,209,0	0.07	5.82e-03	5.82e-03	205,220,220		1.00	0.04	0.96	
4096	0.02	0.01	0.0	204,207,0	0.09	1.39e-03	2.30e-03	206,229,207	0.22	206	0.53	0.09	0.91
	0.05	0.08	0.0	204,207,0	0.09	5.60e-03	5.60e-03	206,228,228		1.00	0.04	0.96	
4097	6.45e-03	4.76e-03	0.0	209,210,0	0.08	1.39e-03	1.89e-03	206,229,230	0.21	206	0.53	0.09	0.91
	8.27e-03	5.48e-03	0.0	228,231,0	0.08	5.60e-03	5.60e-03	206,228,228		1.00	0.04	0.96	

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.08 0.08 0.0 0.09 0.02 0.02 0.22

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
109	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.0 0.0 0 0.0 0.0 0 0.0 0.0 0.0 0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3542	9.06e-03	0.01	0.0	209,16,0	0.04	6.16e-03	0.01	204,18,16	0.16	204	0.36	0.13	0.87
	0.13	0.10	0.0	210,209,0	0.04	0.04	0.04	204,19,19			1.00	0.04	0.96
3543	0.02	9.39e-03	0.0	209,210,0	0.04	3.50e-03	5.18e-03	204,19,18	0.16	204	0.36	0.13	0.87
	0.13	0.10	0.0	210,209,0	0.04	0.04	0.04	204,19,19			1.00	0.04	0.96
3544	3.73e-03	0.01	0.0	221,16,0	0.03	6.16e-03	0.01	204,18,16	0.14	204	0.36	0.13	0.87
	0.11	0.08	0.0	207,204,0	0.03	0.02	0.02	204,18,18			1.00	0.04	0.96
3556	0.02	0.01	0.0	210,204,0	0.03	4.63e-03	4.63e-03	204,19,19	0.13	204	0.36	0.13	0.87
	0.13	0.06	0.0	204,207,0	0.03	0.01	0.01	204,18,18			1.00	0.04	0.96
3557	0.07	0.05	0.0	204,207,0	0.04	9.35e-03	9.35e-03	204,19,19	0.15	204	0.36	0.13	0.87
	0.13	0.06	0.0	204,207,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
3560	0.07	0.05	0.0	204,207,0	0.04	9.35e-03	9.35e-03	204,19,19	0.15	204	0.36	0.13	0.87
	0.09	0.05	0.0	204,207,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
5121	0.05	0.04	0.0	204,207,0	0.05	4.17e-03	0.02	204,19,19	0.16	204	0.36	0.13	0.87
	0.03	0.02	0.0	204,207,0	0.05	1.44e-03	1.44e-03	204,18,18			1.00	0.04	0.96
5122	0.02	0.01	0.0	207,204,0	0.04	9.94e-04	5.46e-03	204,220,19	0.16	204	0.36	0.13	0.87
	4.31e-03	3.49e-03	0.0	16,18,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
5123	0.07	0.05	0.0	204,207,0	0.04	9.35e-03	0.02	204,19,19	0.16	204	0.36	0.13	0.87
	0.13	0.06	0.0	204,207,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
5125	0.03	0.02	0.0	204,207,0	0.03	6.16e-03	0.02	204,18,15	0.14	204	0.36	0.13	0.87
	0.11	0.08	0.0	207,204,0	0.03	0.02	0.02	204,18,18			1.00	0.04	0.96
5126	0.05	0.04	0.0	204,207,0	0.03	4.02e-03	0.02	204,19,19	0.14	204	0.36	0.13	0.87
	0.03	0.02	0.0	204,207,0	0.03	7.59e-04	7.59e-04	204,223,223			1.00	0.04	0.96
5127	0.07	0.05	0.0	204,207,0	0.04	9.35e-03	0.02	204,19,19	0.15	204	0.36	0.13	0.87
	0.09	0.05	0.0	204,207,0	0.04	0.01	0.01	204,18,18			1.00	0.04	0.96
5579	0.02	8.68e-03	0.0	209,210,0	0.05	4.17e-03	7.41e-03	204,19,19	0.16	204	0.36	0.13	0.87
	0.01	8.68e-03	0.0	19,18,0	0.05	0.01	0.01	204,18,18			1.00	0.04	0.96
5580	0.03	0.02	0.0	204,207,0	0.05	6.16e-03	0.02	204,18,15	0.16	204	0.36	0.13	0.87
	0.13	0.10	0.0	210,209,0	0.05	0.04	0.04	204,19,19			1.00	0.04	0.96
5581	7.48e-03	5.38e-03	0.0	207,204,0	0.05	4.17e-03	7.41e-03	204,19,19	0.16	204	0.36	0.13	0.87
	1.53e-03	1.18e-03	0.0	210,18,0	0.05	1.44e-03	1.44e-03	204,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.13	0.10	0.0		0.05	0.04	0.04		0.16				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
110	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.0 0.0 0 0.0 0.0 0 0.0 0.0 0.0 0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
4137	0.09	0.06	0.0	204,207,0	0.05	5.44e-03	0.01	204,220,223	0.18	204	0.53	0.09	0.91
	0.08	0.05	0.0	204,207,0	0.05	0.01	0.01	204,223,223			1.00	0.04	0.96
4165	0.09	0.06	0.0	204,207,0	0.06	5.44e-03	0.01	204,220,223	0.18	204	0.53	0.09	0.91
	0.08	0.05	0.0	204,207,0	0.06	0.01	0.01	204,223,223			1.00	0.04	0.96
4166	0.01	8.13e-03	0.0	204,207,0	0.06	7.84e-04	1.56e-03	204,221,223	0.18	204	0.53	0.09	0.91
	0.06	0.04	0.0	220,223,0	0.06	0.02	0.02	204,221,221			1.00	0.04	0.96
4167	0.01	8.13e-03	0.0	204,207,0	0.05	7.19e-04	1.56e-03	204,221,223	0.18	204	0.53	0.09	0.91
	0.03	0.02	0.0	220,223,0	0.05	0.02	0.02	204,221,221			1.00	0.04	0.96

4174	0.05	0.03	0.0 204,207,0	0.04	3.65e-03	9.35e-03204,221,223	0.14	204	0.53	0.09	0.91
	0.02	0.01	0.0 208,211,0	0.04	4.31e-03	4.31e-03 204,59,59			1.00	0.04	0.96
4175	0.02	0.01	0.0 204,207,0	0.03	7.93e-03	0.01204,220,220	0.14	204	0.53	0.09	0.91
	0.02	0.06	0.0 230,57,0	0.03	5.41e-03	5.41e-03204,230,230			1.00	0.04	0.96
4179	4.27e-03	3.16e-03	0.0 223,220,0	0.02	7.93e-03	0.01204,220,220	0.12	204	0.53	0.09	0.91
	0.02	0.06	0.0 230,57,0	0.02	5.41e-03	5.41e-03204,230,230			1.00	0.04	0.96
4180	0.05	0.03	0.0 204,207,0	0.08	3.65e-03	9.35e-03204,221,223	0.21	204	0.53	0.09	0.91
	0.04	0.02	0.0 204,207,0	0.08	4.31e-03	4.31e-03 204,59,59			1.00	0.04	0.96
4181	0.02	0.02	0.0 204,207,0	0.08	7.93e-03	0.01204,220,220	0.21	204	0.53	0.09	0.91
	0.04	0.12	0.0 204,57,0	0.08	0.03	0.03204,204,204			1.00	0.04	0.96
4182	0.01	9.15e-03	0.0 209,223,0	0.08	1.75e-03	6.32e-03204,59,221	0.21	204	0.53	0.09	0.91
	0.04	0.02	0.0 204,207,0	0.08	9.04e-03	9.04e-03204,204,204			1.00	0.04	0.96
4183	0.05	0.04	0.0 204,207,0	0.08	7.29e-03	9.47e-03204,208,211	0.21	204	0.53	0.09	0.91
	0.04	0.28	0.0 204,57,0	0.08	0.04	0.04 204,59,59			1.00	0.04	0.96
4184	0.01	8.06e-03	0.0 204,207,0	0.07	9.73e-04	2.29e-03 204,59,59	0.21	204	0.53	0.09	0.91
	0.01	0.01	0.0 207,204,0	0.07	9.04e-03	9.04e-03204,204,204			1.00	0.04	0.96
4185	0.01	8.86e-03	0.0 204,207,0	0.07	4.42e-03	5.45e-03 204,59,59	0.21	204	0.53	0.09	0.91
	0.02	0.03	0.0 207,204,0	0.07	0.02	0.02 204,59,59			1.00	0.04	0.96
4186	0.02	0.02	0.0 204,207,0	0.05	7.93e-03	0.01204,220,220	0.17	204	0.53	0.09	0.91
	0.02	0.12	0.0 230,57,0	0.05	0.03	0.03204,204,204			1.00	0.04	0.96
4187	0.05	0.04	0.0 204,207,0	0.05	7.29e-03	9.47e-03204,208,211	0.17	204	0.53	0.09	0.91
	0.02	0.28	0.0 220,57,0	0.05	0.04	0.04 204,59,59			1.00	0.04	0.96
4188	0.05	0.04	0.0 204,207,0	0.04	7.29e-03	9.47e-03204,208,211	0.15	204	0.53	0.09	0.91
	0.02	0.28	0.0 207,57,0	0.04	0.04	0.04 204,59,59			1.00	0.04	0.96
4189	0.09	0.06	0.0 204,207,0	0.07	5.44e-03	0.01204,220,223	0.20	204	0.53	0.09	0.91
	0.08	0.05	0.0 204,207,0	0.07	0.01	0.01204,223,223			1.00	0.04	0.96
4190	0.09	0.06	0.0 204,207,0	0.05	5.44e-03	0.01204,220,223	0.18	204	0.53	0.09	0.91
	0.08	0.05	0.0 204,207,0	0.05	0.01	0.01204,223,223			1.00	0.04	0.96
4191	0.01	8.13e-03	0.0 204,207,0	0.07	2.21e-03	4.34e-03204,221,221	0.20	204	0.53	0.09	0.91
	0.06	0.04	0.0 220,223,0	0.07	0.02	0.02204,221,221			1.00	0.04	0.96
4192	6.20e-03	4.85e-03	0.0 204,207,0	0.06	9.82e-04	1.53e-03204,221,229	0.19	204	0.53	0.09	0.91
	8.90e-03	6.42e-03	0.0 220,223,0	0.06	7.92e-03	7.92e-03204,221,221			1.00	0.04	0.96
4193	0.07	0.05	0.0 204,207,0	0.07	2.21e-03	9.98e-03204,221,223	0.21	204	0.53	0.09	0.91
	0.02	9.26e-03	0.0 207,204,0	0.07	1.92e-03	1.92e-03204,229,229			1.00	0.04	0.96
4194	0.07	0.05	0.0 204,207,0	0.04	1.89e-03	9.98e-03204,229,223	0.15	204	0.53	0.09	0.91
	0.02	9.26e-03	0.0 207,204,0	0.04	1.25e-03	1.25e-03204,229,229			1.00	0.04	0.96
4195	0.01	8.43e-03	0.0 209,223,0	0.07	2.21e-03	4.79e-03204,221,59	0.21	204	0.53	0.09	0.91
	9.85e-03	5.20e-03	0.0 223,209,0	0.07	4.69e-03	4.69e-03204,221,221			1.00	0.04	0.96
4196	7.82e-03	5.78e-03	0.0 204,207,0	0.07	9.82e-04	1.53e-03204,221,229	0.20	204	0.53	0.09	0.91
	4.75e-03	3.28e-03	0.0 221,225,0	0.07	4.69e-03	4.69e-03204,221,221			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.09	0.28	0.0	0.08	0.04	0.04	0.21				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
111	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.16	6.0	175	0.33	12.7	174	0.54	398.8	-5.054e+05	210

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2402	0.03	0.03	0.0 209,210,0	3.10e-04	6.92e-03	8.15e-03217,225,223	0.01	209	0.87	0.06	0.94		
	0.06	0.04	0.0 217,218,0	3.13e-04	8.92e-03	8.92e-03209,208,208			1.00	0.04	0.96		
2403	0.03	0.03	0.0 209,210,0	1.29e-03	6.92e-03	8.15e-03207,225,223	0.03	207	0.87	0.06	0.94		
	0.06	0.04	0.0 217,218,0	1.29e-03	8.92e-03	8.92e-03207,208,208			1.00	0.04	0.96		
2406	3.49e-03	0.01	0.0 224,227,0	1.29e-03	5.35e-03	6.87e-03207,220,227	0.03	207	0.87	0.06	0.94		
	0.04	0.03	0.0 217,218,0	1.29e-03	3.33e-03	3.33e-03207,226,226			1.00	0.04	0.96		
2409	8.47e-03	8.19e-03	0.0 223,204,0	1.29e-03	6.52e-03	8.66e-03207,220,220	0.03	207	0.87	0.06	0.94		
	0.03	0.02	0.0 217,218,0	1.29e-03	1.79e-03	1.79e-03207,217,217			1.00	0.04	0.96		
2412	0.04	0.04	0.0 210,209,0	9.87e-04	9.69e-03	0.01223,220,220	0.02	223	0.87	0.06	0.94		
	0.01	9.11e-03	0.0 223,226,0	9.82e-04	1.63e-03	1.63e-03223,226,226			1.00	0.04	0.96		
2415	0.04	0.04	0.0 210,209,0	7.14e-05	9.69e-03	0.01223,220,2206.24e-03	207	0.87	0.06	0.94			
	0.01	8.98e-03	0.0 223,220,0	6.61e-05	1.63e-03	1.63e-03207,226,226			1.00	0.04	0.96		
4197	0.03	0.03	0.0 209,210,0	4.84e-03	7.40e-03	0.01209,225,225	0.05	209	0.87	0.06	0.94		
	0.06	0.04	0.0 217,218,0	4.84e-03	8.92e-03	8.92e-03209,208,208			1.00	0.04	0.96		
4198	0.03	0.03	0.0 209,210,0	6.72e-03	7.40e-03	0.01210,225,225	0.06	210	0.87	0.06	0.94		
	0.06	0.04	0.0 217,218,0	6.72e-03	8.92e-03	8.92e-03210,208,208			1.00	0.04	0.96		
4199	0.02	0.03	0.0 209,210,0	4.84e-03	7.40e-03	0.01209,225,225	0.05	209	0.87	0.06	0.94		

	0.03	0.02	0.0 218,217,0	4.84e-03	0.01	0.01209,225,225			1.00	0.04	0.96
4200	0.02	0.03	0.0 209,210,0	7.92e-03	7.40e-03	0.01210,225,225	0.07	210	0.87	0.06	0.94
	0.03	0.02	0.0 218,217,0	7.93e-03	0.01	0.01210,225,225			1.00	0.04	0.96
4201	8.97e-03	0.02	0.0 204,57,0	4.01e-03	8.64e-04	3.04e-03209,52,207	0.05	209	0.87	0.06	0.94
	0.04	0.03	0.0 209,213,0	4.02e-03	0.01	0.01209,225,225			1.00	0.04	0.96
4202	8.97e-03	0.02	0.0 204,57,0	9.02e-03	1.29e-03	4.02e-03210,217,224	0.07	210	0.87	0.06	0.94
	0.04	0.03	0.0 209,213,0	9.02e-03	0.01	0.01210,225,225			1.00	0.04	0.96
4203	3.40e-03	0.02	0.0 204,57,0	4.02e-03	1.28e-03	4.02e-03 209,59,59	0.05	209	0.87	0.06	0.94
	0.04	0.03	0.0 209,213,0	4.03e-03	0.01	0.01209,221,221			1.00	0.04	0.96
4204	7.91e-03	0.02	0.0 224,57,0	0.01	1.28e-03	4.25e-03210,59,227	0.08	210	0.87	0.06	0.94
	0.04	0.03	0.0 209,213,0	0.01	0.01	0.01210,221,221			1.00	0.04	0.96
4205	8.36e-03	0.02	0.0 220,225,0	6.72e-03	5.35e-03	7.11e-03210,220,227	0.06	210	0.87	0.06	0.94
	0.04	0.03	0.0 217,218,0	6.72e-03	3.56e-03	3.56e-03210,220,220			1.00	0.04	0.96
4206	0.01	0.02	0.0 220,225,0	8.24e-03	3.64e-03	7.11e-03210,224,227	0.07	210	0.87	0.06	0.94
	0.03	0.02	0.0 217,218,0	8.24e-03	4.74e-03	4.74e-03210,222,222			1.00	0.04	0.96
4207	0.01	0.01	0.0 224,223,0	9.40e-03	1.85e-03	6.47e-03210,220,220	0.07	210	0.87	0.06	0.94
	0.02	0.01	0.0 217,217,0	9.40e-03	6.87e-03	6.87e-03210,221,221			1.00	0.04	0.96
4208	0.01	0.01	0.0 224,223,0	0.01	1.69e-03	6.25e-03210,223,220	0.08	210	0.87	0.06	0.94
	0.02	0.01	0.0 209,210,0	0.01	6.87e-03	6.87e-03210,221,221			1.00	0.04	0.96
4209	0.02	0.01	0.0 223,220,0	6.52e-03	6.52e-03	9.27e-03206,220,220	0.06	206	0.87	0.06	0.94
	0.03	0.02	0.0 217,218,0	6.52e-03	2.68e-03	2.68e-03206,213,213			1.00	0.04	0.96
4210	0.02	0.02	0.0 223,220,0	8.24e-03	4.62e-03	9.27e-03210,220,220	0.07	210	0.87	0.06	0.94
	0.02	7.60e-03	0.0 217,204,0	8.24e-03	2.68e-03	2.68e-03210,213,213			1.00	0.04	0.96
4211	0.02	0.02	0.0 223,220,0	9.40e-03	2.55e-03	8.81e-03210,220,220	0.07	210	0.87	0.06	0.94
	7.96e-03	6.03e-03	0.0 217,217,0	9.40e-03	3.12e-03	3.12e-03210,209,209			1.00	0.04	0.96
4212	0.02	0.02	0.0 223,220,0	0.01	2.34e-03	8.57e-03210,220,220	0.08	210	0.87	0.06	0.94
	8.63e-03	6.61e-03	0.0 217,218,0	0.01	3.51e-03	3.51e-03210,217,217			1.00	0.04	0.96
4213	0.04	0.04	0.0 210,209,0	5.87e-03	9.69e-03	0.01211,220,220	0.06	211	0.87	0.06	0.94
	0.01	9.31e-03	0.0 207,204,0	5.86e-03	1.71e-03	1.71e-03211,217,217			1.00	0.04	0.96
4214	0.04	0.04	0.0 207,209,0	7.07e-03	6.59e-03	0.01210,220,220	0.06	210	0.87	0.06	0.94
	0.01	9.31e-03	0.0 207,204,0	7.07e-03	1.71e-03	1.71e-03210,217,217			1.00	0.04	0.96
4215	0.04	0.03	0.0 207,204,0	7.94e-03	3.40e-03	0.01210,223,220	0.07	210	0.87	0.06	0.94
	4.44e-03	3.39e-03	0.0 220,224,0	7.94e-03	1.49e-03	1.49e-03210,217,217			1.00	0.04	0.96
4216	0.03	0.03	0.0 207,204,0	9.04e-03	3.37e-03	0.01210,220,220	0.07	210	0.87	0.06	0.94
	4.11e-03	3.39e-03	0.0 215,224,0	9.04e-03	1.51e-03	1.51e-03210,217,217			1.00	0.04	0.96
4217	0.04	0.04	0.0 210,209,0	2.77e-03	9.69e-03	0.01210,220,220	0.04	210	0.87	0.06	0.94
	0.01	9.31e-03	0.0 207,204,0	2.77e-03	1.63e-03	1.63e-03210,226,226			1.00	0.04	0.96
4218	0.04	0.04	0.0 207,209,0	2.77e-03	6.59e-03	0.01210,220,220	0.04	210	0.87	0.06	0.94
	0.01	9.31e-03	0.0 207,204,0	2.77e-03	1.13e-03	1.13e-03210,212,212			1.00	0.04	0.96
4219	0.04	0.03	0.0 207,204,0	2.22e-03	3.40e-03	0.01210,223,220	0.04	210	0.87	0.06	0.94
	3.45e-03	2.24e-03	0.0 204,207,0	2.22e-03	8.03e-04	8.03e-04210,224,224			1.00	0.04	0.96
4220	0.03	0.03	0.0 207,204,0	1.99e-03	3.37e-03	0.01210,220,220	0.03	210	0.87	0.06	0.94
	2.00e-03	1.74e-03	0.0 210,221,0	1.99e-03	7.55e-04	7.55e-04210,227,227			1.00	0.04	0.96
4221	1.69e-03	0.02	0.0 230,59,0	5.06e-03	4.51e-03	7.33e-03209,210,59	0.05	209	0.87	0.06	0.94
	0.04	0.04	0.0 209,209,0	5.07e-03	0.01	0.01209,221,221			1.00	0.04	0.96
4222	8.17e-03	0.02	0.0 222,59,0	0.01	4.51e-03	7.33e-03210,210,59	0.08	210	0.87	0.06	0.94
	0.04	0.04	0.0 209,209,0	0.01	0.01	0.01210,221,221			1.00	0.04	0.96
4223	3.07e-03	0.02	0.0 226,59,0	5.06e-03	5.60e-03	8.93e-03209,222,59	0.05	209	0.87	0.06	0.94
	0.04	0.04	0.0 210,209,0	5.07e-03	0.01	0.01209,221,221			1.00	0.04	0.96
4224	8.17e-03	0.02	0.0 222,59,0	0.01	5.60e-03	8.93e-03210,222,59	0.08	210	0.87	0.06	0.94
	0.04	0.04	0.0 210,209,0	0.01	0.01	0.01210,221,221			1.00	0.04	0.96
4225	3.07e-03	0.02	0.0 226,59,0	4.78e-04	5.60e-03	8.93e-03209,222,59	0.02	209	0.87	0.06	0.94
	0.02	0.02	0.0 210,209,0	4.78e-04	8.51e-03	8.51e-03 209,59,59			1.00	0.04	0.96
4226	5.29e-03	0.02	0.0 206,59,0	6.53e-03	5.60e-03	8.93e-03210,222,59	0.06	210	0.87	0.06	0.94
	0.02	0.02	0.0 210,209,0	6.53e-03	8.51e-03	8.51e-03 210,59,59			1.00	0.04	0.96
4227	0.01	0.01	0.0 224,220,0	0.01	3.78e-03	6.51e-03210,224,227	0.08	210	0.87	0.06	0.94
	0.03	0.02	0.0 210,209,0	0.01	6.65e-03	6.65e-03210,205,205			1.00	0.04	0.96
4228	0.01	9.81e-03	0.0 220,59,0	0.01	6.37e-03	7.80e-03210,220,220	0.08	210	0.87	0.06	0.94
	0.03	0.02	0.0 210,209,0	0.01	6.65e-03	6.65e-03210,205,205			1.00	0.04	0.96
4229	5.29e-03	7.66e-03	0.0 206,209,0	6.53e-03	6.37e-03	7.80e-03210,220,220	0.06	210	0.87	0.06	0.94
	0.02	0.02	0.0 210,218,0	6.53e-03	4.62e-03	4.62e-03210,210,210			1.00	0.04	0.96
4230	0.02	0.02	0.0 223,220,0	0.01	4.89e-03	9.39e-03210,220,220	0.08	210	0.87	0.06	0.94
	0.01	0.01	0.0 218,217,0	0.01	3.51e-03	3.51e-03210,217,217			1.00	0.04	0.96
4231	0.01	0.01	0.0 220,220,0	0.01	7.56e-03	9.39e-03210,220,220	0.08	210	0.87	0.06	0.94
	0.01	0.02	0.0 218,218,0	0.01	3.45e-03	3.45e-03210,217,217			1.00	0.04	0.96
4232	4.75e-03	5.01e-03	0.0 221,222,0	6.36e-03	7.56e-03	9.31e-03206,220,220	0.06	206	0.87	0.06	0.94
	0.01	0.02	0.0 217,218,0	6.36e-03	3.30e-03	3.30e-03206,210,210			1.00	0.04	0.96
4233	0.03	0.02	0.0 207,204,0	9.89e-03	6.48e-03	0.01210,220,223	0.08	210	0.87	0.06	0.94
	4.11e-03	7.87e-03	0.0 215,59,0	9.89e-03	1.98e-03	1.98e-03210,218,218			1.00	0.04	0.96
4234	0.02	0.02	0.0 207,221,0	9.89e-03	9.77e-03	0.01210,223,223	0.08	210	0.87	0.06	0.94
	0.02	0.02	0.0 209,210,0	9.89e-03	2.23e-03	2.23e-03210,207,207			1.00	0.04	0.96
4235	7.60e-03	7.43e-03	0.0 207,204,0	6.25e-03	9.77e-03	0.01210,223,223	0.06	210	0.87	0.06	0.94
	0.02	0.02	0.0 209,210,0	6.25e-03	2.23e-03	2.23e-03210,207,207			1.00	0.04	0.96
4236	0.03	0.02	0.0 207,204,0	1.85e-03	6.48e-03	0.01210,220,223	0.03	210	0.87	0.06	0.94
	2.17e-03	5.11e-03	0.0 204,207,0	1.85e-03	7.55e-04	7.55e-04210,227,227			1.00	0.04	0.96

4237	0.02	0.02	0.0	207,221,0	1.74e-03	9.77e-03	0.01210,223,223	0.03	210	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	1.74e-03	1.50e-03	1.50e-03210,223,223			1.00	0.04	0.96
4238	7.60e-03	7.43e-03	0.0	207,204,0	1.38e-04	9.77e-03	0.01206,223,2239.01e-03		206	0.87	0.06	0.94
	0.02	0.02	0.0	209,210,0	1.38e-04	1.50e-03	1.50e-03206,223,223			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.06	0.04	0.0		0.01	0.01	0.01		0.08			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
112	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.43	106.5	193	0.32	80.0	193	0.56	-7411.5	3.191e+06	223

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2402	0.04	0.05	0.0	204,207,0	2.02e-04	9.55e-03	0.0252,209,210		0.01	52	0.87	0.06	0.94
	0.03	0.01	0.0	213,214,0	2.00e-04	7.38e-03	7.38e-0352,209,209				1.00	0.04	0.96
2464	0.04	0.05	0.0	204,207,0	0.02	9.55e-03	0.02226,209,210		0.11	226	0.87	0.06	0.94
	0.04	0.02	0.0	225,226,0	0.02	7.38e-03	7.38e-03226,209,209				1.00	0.04	0.96
2465	0.03	0.05	0.0	220,227,0	0.03	6.13e-03	9.66e-03225,209,207		0.13	225	0.87	0.06	0.94
	0.04	0.02	0.0	225,226,0	0.03	3.06e-03	3.06e-03225,210,210				1.00	0.04	0.96
2468	5.94e-03	0.02	0.0	220,59,0	0.04	4.64e-03	7.24e-03225,207,207		0.15	225	0.87	0.06	0.94
	0.03	0.01	0.0	225,226,0	0.04	2.73e-03	2.73e-03225,209,209				1.00	0.04	0.96
2471	1.83e-03	0.02	0.0	220,59,0	0.05	5.45e-03	7.67e-03225,215,207		0.17	225	0.87	0.06	0.94
	0.02	6.90e-03	0.0	225,214,0	0.05	9.84e-04	9.84e-04225,229,229				1.00	0.04	0.96
2474	0.0	0.02	0.0	0,59,0	0.05	6.09e-03	8.41e-03225,215,215		0.17	225	0.0	0.0	0.0
	0.02	8.14e-03	0.0	213,214,0	0.05	6.36e-04	6.36e-04225,210,210				1.00	0.04	0.96
2477	0.0	0.02	0.0	0,59,0	0.05	6.44e-03	8.91e-03225,215,219		0.17	225	0.0	0.0	0.0
	0.02	8.34e-03	0.0	213,218,0	0.05	9.79e-04	9.79e-04225,209,209				1.00	0.04	0.96
2480	1.31e-03	0.03	0.0	225,59,0	0.05	6.44e-03	9.76e-03225,215,219		0.17	225	0.87	0.06	0.94
	0.02	0.01	0.0	217,218,0	0.05	1.56e-03	1.56e-03225,218,218				1.00	0.04	0.96
2483	0.01	0.03	0.0	225,226,0	0.04	6.94e-03	0.01225,215,218		0.15	225	0.87	0.06	0.94
	0.02	0.01	0.0	217,218,0	0.04	2.91e-03	2.91e-03225,213,213				1.00	0.04	0.96
2486	0.02	0.04	0.0	223,220,0	0.03	8.32e-03	0.01225,217,218		0.14	225	0.87	0.06	0.94
	0.02	7.63e-03	0.0	217,218,0	0.03	2.91e-03	2.91e-03225,213,213				1.00	0.04	0.96
2489	0.02	0.04	0.0	223,220,0	0.02	9.33e-03	0.0152,213,216		0.12	52	0.87	0.06	0.94
	0.01	2.76e-03	0.0	205,218,0	0.02	1.74e-03	1.74e-0352,217,217				1.00	0.04	0.96
2492	0.02	0.04	0.0	223,220,0	0.03	0.01	0.0252,216,216		0.12	52	0.87	0.06	0.94
	0.01	2.76e-03	0.0	205,218,0	0.03	1.74e-03	1.74e-0352,217,217				1.00	0.04	0.96
2510	0.02	0.02	0.0	225,220,0	0.03	0.01	0.0252,216,216		0.12	52	0.87	0.06	0.94
	9.57e-03	2.64e-03	0.0	208,218,0	0.03	1.19e-03	1.19e-0352,234,234				1.00	0.04	0.96
2513	0.05	0.03	0.0	220,223,0	0.02	0.02	0.0252,216,216		0.10	52	0.87	0.06	0.94
	6.89e-03	1.51e-03	0.0	204,218,0	0.02	1.38e-03	1.38e-0352,204,204				1.00	0.04	0.96
2516	0.05	0.03	0.0	220,223,0	0.01	0.02	0.02220,216,216		0.09	220	0.87	0.06	0.94
	4.99e-03	1.14e-03	0.0	208,211,0	0.01	1.38e-03	1.38e-03220,204,204				1.00	0.04	0.96
4197	0.04	0.05	0.0	204,207,0	1.79e-03	9.55e-03	0.0252,209,210		0.03	52	0.87	0.06	0.94
	0.04	0.02	0.0	225,226,0	1.79e-03	7.38e-03	7.38e-0352,209,209				1.00	0.04	0.96
4199	0.03	0.05	0.0	204,207,0	1.79e-03	9.06e-03	0.0252,209,210		0.03	52	0.87	0.06	0.94
	0.04	0.03	0.0	225,225,0	1.79e-03	0.01	0.0152,209,209				1.00	0.04	0.96
4201	0.02	0.03	0.0	204,207,0	1.13e-03	2.13e-03	6.73e-03210,209,207		0.03	210	0.87	0.06	0.94
	0.05	0.03	0.0	225,226,0	1.14e-03	0.01	0.01210,209,209				1.00	0.04	0.96
4203	0.01	0.03	0.0	204,57,0	1.31e-03	2.07e-03	5.12e-03210,209,207		0.03	210	0.87	0.06	0.94
	0.05	0.03	0.0	225,213,0	1.31e-03	0.01	0.01210,209,209				1.00	0.04	0.96
4221	3.93e-03	0.04	0.0	208,57,0	1.89e-03	9.05e-03	0.01210,209,209		0.03	210	0.87	0.06	0.94
	0.04	0.03	0.0	225,213,0	1.89e-03	0.02	0.02210,209,209				1.00	0.04	0.96
4223	5.25e-03	0.04	0.0	209,57,0	1.89e-03	9.54e-03	0.01210,209,209		0.03	210	0.87	0.06	0.94
	0.04	0.03	0.0	217,214,0	1.89e-03	0.02	0.02210,209,209				1.00	0.04	0.96
4225	5.25e-03	0.03	0.0	209,57,0	1.97e-04	9.54e-03	0.01210,209,209		0.01	218	0.87	0.06	0.94
	0.01	0.01	0.0	217,218,0	1.90e-04	9.26e-03	9.26e-03210,209,209				1.00	0.04	0.96
4239	0.04	0.05	0.0	204,207,0	0.02	9.55e-03	0.02226,209,210		0.11	226	0.87	0.06	0.94
	0.05	0.03	0.0	225,226,0	0.02	7.38e-03	7.38e-03226,209,209				1.00	0.04	0.96
4240	0.03	0.05	0.0	220,227,0	0.03	6.13e-03	9.66e-03225,209,207		0.13	225	0.87	0.06	0.94
	0.05	0.03	0.0	225,226,0	0.03	4.21e-03	4.21e-03225,209,209				1.00	0.04	0.96
4241	0.03	0.05	0.0	204,207,0	0.01	9.06e-03	0.02226,209,210		0.09	226	0.87	0.06	0.94
	0.05	0.03	0.0	225,225,0	0.01	0.01	0.01226,209,209				1.00	0.04	0.96
4242	0.03	0.04	0.0	220,223,0	0.02	2.97e-03	7.27e-03226,207,207		0.12	226	0.87	0.06	0.94
	0.05	0.03	0.0	225,226,0	0.02	4.38e-03	4.38e-03226,213,213				1.00	0.04	0.96
4243	0.02	0.04	0.0	220,223,0	0.01	2.13e-03	6.73e-03226,209,207		0.09	226	0.87	0.06	0.94

	0.05	0.03	0.0 225,226,0	0.01	0.01	0.01226,209,209			1.00	0.04	0.96
4244	0.02	0.04	0.0 220,223,0	0.02	1.63e-03	6.10e-03226,209,223	0.11	226	0.87	0.06	0.94
	0.03	0.02	0.0 225,226,0	0.02	7.97e-03	7.97e-03226,209,209			1.00	0.04	0.96
4245	0.02	0.03	0.0 220,57,0	0.01	2.30e-03	5.36e-03226,209,207	0.08	226	0.87	0.06	0.94
	0.05	0.03	0.0 225,213,0	0.01	0.01	0.01226,209,209			1.00	0.04	0.96
4246	0.02	0.03	0.0 220,223,0	0.02	2.30e-03	5.50e-03226,209,207	0.11	226	0.87	0.06	0.94
	0.03	0.02	0.0 225,226,0	0.02	0.01	0.01226,209,209			1.00	0.04	0.96
4247	8.37e-03	0.02	0.0 220,223,0	0.04	4.64e-03	7.45e-03225,207,207	0.15	225	0.87	0.06	0.94
	0.04	0.02	0.0 225,226,0	0.04	4.21e-03	4.21e-03225,209,209			1.00	0.04	0.96
4248	9.58e-03	0.02	0.0 220,223,0	0.03	3.24e-03	7.45e-03225,207,207	0.14	225	0.87	0.06	0.94
	0.04	0.02	0.0 225,226,0	0.03	4.21e-03	4.21e-03225,209,209			1.00	0.04	0.96
4249	9.58e-03	0.02	0.0 220,223,0	0.03	1.78e-03	6.92e-03225,207,207	0.13	225	0.87	0.06	0.94
	0.02	0.01	0.0 223,220,0	0.03	4.44e-03	4.44e-03225,205,205			1.00	0.04	0.96
4250	8.66e-03	0.02	0.0 220,223,0	0.03	1.48e-03	6.40e-03225,215,207	0.13	225	0.87	0.06	0.94
	0.02	0.01	0.0 223,220,0	0.03	4.44e-03	4.44e-03225,205,205			1.00	0.04	0.96
4251	4.73e-03	0.02	0.0 220,59,0	0.05	5.45e-03	7.78e-03225,215,207	0.17	225	0.87	0.06	0.94
	0.03	0.01	0.0 225,226,0	0.05	2.62e-03	2.62e-03225,217,217			1.00	0.04	0.96
4252	6.80e-03	0.02	0.0 204,59,0	0.04	3.57e-03	7.78e-03225,215,207	0.15	225	0.87	0.06	0.94
	0.03	0.01	0.0 225,226,0	0.04	2.72e-03	2.72e-03225,213,213			1.00	0.04	0.96
4253	7.98e-03	0.02	0.0 204,59,0	0.04	1.96e-03	7.35e-03225,207,207	0.15	225	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.04	2.72e-03	2.72e-03225,213,213			1.00	0.04	0.96
4254	7.98e-03	0.02	0.0 204,59,0	0.03	1.82e-03	7.08e-03225,215,207	0.14	225	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.03	2.48e-03	2.48e-03225,225,225			1.00	0.04	0.96
4255	2.17e-03	0.02	0.0 204,59,0	0.05	6.09e-03	8.62e-03225,215,215	0.17	225	0.87	0.06	0.94
	0.02	9.41e-03	0.0 205,214,0	0.05	1.20e-03	1.20e-03225,214,214			1.00	0.04	0.96
4256	6.69e-03	0.02	0.0 212,59,0	0.04	4.06e-03	8.62e-03225,215,215	0.16	225	0.87	0.06	0.94
	0.02	9.41e-03	0.0 205,214,0	0.04	1.43e-03	1.43e-03225,226,226			1.00	0.04	0.96
4257	8.91e-03	0.02	0.0 215,59,0	0.04	2.02e-03	7.89e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.04	1.52e-03	1.52e-03225,204,204			1.00	0.04	0.96
4258	8.91e-03	0.02	0.0 215,215,0	0.04	2.10e-03	7.80e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.04	1.52e-03	1.52e-03225,204,204			1.00	0.04	0.96
4259	5.02e-03	0.02	0.0 207,59,0	0.05	6.44e-03	9.10e-03225,215,215	0.17	225	0.87	0.06	0.94
	0.02	9.41e-03	0.0 213,214,0	0.05	1.14e-03	1.14e-03225,208,208			1.00	0.04	0.96
4260	8.03e-03	0.02	0.0 212,59,0	0.04	4.22e-03	9.10e-03225,215,215	0.16	225	0.87	0.06	0.94
	0.02	9.41e-03	0.0 213,214,0	0.04	1.99e-03	1.99e-03225,205,205			1.00	0.04	0.96
4261	0.01	0.02	0.0 215,215,0	0.04	2.11e-03	8.35e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.02	9.25e-03	0.0 209,210,0	0.04	2.29e-03	2.29e-03225,205,205			1.00	0.04	0.96
4262	0.01	0.02	0.0 215,215,0	0.04	2.31e-03	8.36e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.01	8.97e-03	0.0 209,210,0	0.04	2.29e-03	2.29e-03225,205,205			1.00	0.04	0.96
4263	6.34e-03	0.03	0.0 223,59,0	0.05	6.44e-03	0.01225,215,215	0.17	225	0.87	0.06	0.94
	0.02	0.01	0.0 217,218,0	0.05	2.18e-03	2.18e-03225,208,208			1.00	0.04	0.96
4264	8.11e-03	0.03	0.0 207,59,0	0.04	4.51e-03	0.01225,215,215	0.16	225	0.87	0.06	0.94
	0.02	8.44e-03	0.0 217,218,0	0.04	2.84e-03	2.84e-03225,208,208			1.00	0.04	0.96
4265	0.01	0.02	0.0 207,214,0	0.04	2.28e-03	9.20e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.01	7.43e-03	0.0 217,218,0	0.04	3.00e-03	3.00e-03225,208,208			1.00	0.04	0.96
4266	0.01	0.02	0.0 207,219,0	0.04	2.52e-03	9.07e-03225,215,215	0.15	225	0.87	0.06	0.94
	7.23e-03	6.62e-03	0.0 217,218,0	0.04	3.00e-03	3.00e-03225,208,208			1.00	0.04	0.96
4267	0.02	0.03	0.0 223,220,0	0.04	6.94e-03	0.01225,215,218	0.15	225	0.87	0.06	0.94
	0.02	0.01	0.0 217,218,0	0.04	2.91e-03	2.91e-03225,213,213			1.00	0.04	0.96
4268	0.02	0.03	0.0 223,220,0	0.04	4.91e-03	0.01225,215,218	0.14	225	0.87	0.06	0.94
	0.02	6.60e-03	0.0 208,208,0	0.04	3.28e-03	3.28e-03225,208,208			1.00	0.04	0.96
4269	0.02	0.03	0.0 223,220,0	0.03	2.43e-03	9.84e-03225,215,215	0.14	225	0.87	0.06	0.94
	0.02	9.16e-03	0.0 208,205,0	0.03	3.50e-03	3.50e-03225,208,208			1.00	0.04	0.96
4270	0.02	0.03	0.0 207,220,0	0.03	2.67e-03	9.77e-03225,215,219	0.13	225	0.87	0.06	0.94
	0.02	9.16e-03	0.0 208,205,0	0.03	3.50e-03	3.50e-03225,208,208			1.00	0.04	0.96
4271	0.02	0.04	0.0 223,220,0	0.03	8.32e-03	0.01225,217,218	0.14	225	0.87	0.06	0.94
	0.02	7.63e-03	0.0 205,218,0	0.03	2.91e-03	2.91e-03225,213,213			1.00	0.04	0.96
4272	0.02	0.04	0.0 223,220,0	0.03	4.99e-03	0.01225,215,212	0.13	225	0.87	0.06	0.94
	0.03	0.01	0.0 208,205,0	0.03	3.57e-03	3.57e-03225,208,208			1.00	0.04	0.96
4273	0.02	0.04	0.0 211,220,0	0.02	2.48e-03	0.01225,215,216	0.12	225	0.87	0.06	0.94
	0.03	0.02	0.0 208,205,0	0.02	3.89e-03	3.89e-03225,205,205			1.00	0.04	0.96
4274	0.02	0.03	0.0 211,208,0	0.02	2.73e-03	0.01225,219,216	0.12	225	0.87	0.06	0.94
	0.03	0.02	0.0 208,205,0	0.02	3.89e-03	3.89e-03225,205,205			1.00	0.04	0.96
4275	0.02	0.04	0.0 225,220,0	0.02	9.33e-03	0.0152,213,216	0.12	52	0.87	0.06	0.94
	0.03	0.01	0.0 208,205,0	0.02	2.50e-03	2.50e-0352,208,208			1.00	0.04	0.96
4276	0.02	0.04	0.0 225,220,0	0.02	6.00e-03	0.0152,216,216	0.11	52	0.87	0.06	0.94
	0.04	0.02	0.0 208,205,0	0.02	3.57e-03	3.57e-0352,208,208			1.00	0.04	0.96
4277	0.02	0.04	0.0 225,220,0	0.02	2.50e-03	0.0152,218,216	0.11	52	0.87	0.06	0.94
	0.04	0.03	0.0 208,205,0	0.02	4.34e-03	4.34e-0352,205,205			1.00	0.04	0.96
4278	0.02	0.03	0.0 219,216,0	0.02	2.83e-03	0.0152,216,216	0.11	52	0.87	0.06	0.94
	0.04	0.03	0.0 208,205,0	0.02	4.34e-03	4.34e-0352,205,205			1.00	0.04	0.96
4279	0.02	0.04	0.0 225,220,0	0.03	0.01	0.0252,216,216	0.12	52	0.87	0.06	0.94
	0.03	0.01	0.0 208,205,0	0.03	2.55e-03	2.55e-0352,208,208			1.00	0.04	0.96
4280	0.03	0.04	0.0 219,226,0	0.02	7.98e-03	0.0252,216,216	0.12	52	0.87	0.06	0.94
	0.04	0.03	0.0 208,205,0	0.02	3.20e-03	3.20e-0352,205,205			1.00	0.04	0.96

4281	0.03	0.04	0.0 213,216,0	0.02	2.99e-03	0.0152,213,216	0.11	52	0.87	0.06	0.94
	0.05	0.04	0.0 208,205,0	0.02	5.03e-03	5.03e-0352,208,208			1.00	0.04	0.96
4282	0.03	0.03	0.0 213,216,0	0.02	2.98e-03	0.0152,216,216	0.11	52	0.87	0.06	0.94
	0.05	0.04	0.0 208,205,0	0.02	5.03e-03	5.03e-0352,208,208			1.00	0.04	0.96
4283	9.67e-03	0.04	0.0 220,57,0	9.80e-03	9.05e-03	0.01226,209,209	0.08	226	0.87	0.06	0.94
	0.04	0.03	0.0 225,213,0	9.81e-03	0.02	0.02226,209,209			1.00	0.04	0.96
4284	9.67e-03	0.02	0.0 220,223,0	0.02	2.30e-03	5.50e-03226,209,207	0.11	226	0.87	0.06	0.94
	0.03	0.02	0.0 225,225,0	0.02	0.01	0.01226,209,209			1.00	0.04	0.96
4285	5.25e-03	0.04	0.0 209,57,0	9.32e-03	9.54e-03	0.01226,209,209	0.07	226	0.87	0.06	0.94
	0.04	0.03	0.0 217,214,0	9.32e-03	0.02	0.02226,209,209			1.00	0.04	0.96
4286	2.42e-03	0.02	0.0 220,59,0	0.02	4.51e-03	5.90e-03226,207,207	0.10	226	0.87	0.06	0.94
	0.02	0.02	0.0 225,226,0	0.02	7.78e-03	7.78e-03226,209,209			1.00	0.04	0.96
4287	5.25e-03	0.03	0.0 209,57,0	6.27e-03	9.54e-03	0.01226,209,209	0.06	226	0.87	0.06	0.94
	0.01	0.01	0.0 217,218,0	6.27e-03	9.26e-03	9.26e-03226,209,209			1.00	0.04	0.96
4288	0.0	0.02	0.0 0,57,0	0.02	4.51e-03	5.90e-03225,207,207	0.10	225	0.0	0.0	0.0
	0.01	9.67e-03	0.0 217,218,0	0.02	1.01e-03	1.01e-03225,204,204			1.00	0.04	0.96
4289	6.86e-03	0.02	0.0 204,59,0	0.03	3.35e-03	7.11e-03225,207,207	0.13	225	0.87	0.06	0.94
	0.02	0.02	0.0 223,207,0	0.03	4.34e-03	4.34e-03225,205,205			1.00	0.04	0.96
4290	3.97e-03	0.02	0.0 204,59,0	0.03	5.52e-03	7.20e-03225,207,207	0.12	225	0.87	0.06	0.94
	0.02	0.02	0.0 204,207,0	0.03	2.25e-03	2.25e-03225,225,225			1.00	0.04	0.96
4291	0.0	0.01	0.0 0,59,0	0.02	5.52e-03	7.20e-03225,207,207	0.12	225	0.0	0.0	0.0
	0.01	5.70e-03	0.0 209,226,0	0.02	1.01e-03	1.01e-03225,204,204			1.00	0.04	0.96
4292	7.59e-03	0.02	0.0 204,59,0	0.03	3.83e-03	7.90e-03225,215,207	0.14	225	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.03	2.06e-03	2.06e-03225,223,223			1.00	0.04	0.96
4293	4.77e-03	0.02	0.0 204,59,0	0.03	6.10e-03	7.90e-03225,207,207	0.14	225	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.03	1.31e-03	1.31e-03225,223,223			1.00	0.04	0.96
4294	0.0	0.01	0.0 0,59,0	0.03	6.10e-03	7.90e-03225,207,207	0.13	225	0.0	0.0	0.0
	0.01	3.18e-03	0.0 217,218,0	0.03	7.47e-04	7.47e-04225,212,212			1.00	0.04	0.96
4295	8.54e-03	0.02	0.0 207,215,0	0.04	4.24e-03	8.46e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.02	0.01	0.0 204,207,0	0.04	1.49e-03	1.49e-03225,204,204			1.00	0.04	0.96
4296	5.63e-03	0.02	0.0 207,59,0	0.04	6.38e-03	8.46e-03225,215,215	0.14	225	0.87	0.06	0.94
	0.01	0.01	0.0 204,207,0	0.04	1.02e-03	1.02e-03225,204,204			1.00	0.04	0.96
4297	0.0	0.01	0.0 0,59,0	0.03	6.38e-03	8.27e-03225,215,215	0.14	225	0.0	0.0	0.0
	0.01	1.64e-03	0.0 204,218,0	0.03	5.76e-04	5.76e-04225,212,212			1.00	0.04	0.96
4298	0.01	0.02	0.0 212,215,0	0.04	4.46e-03	9.10e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.01	8.72e-03	0.0 209,210,0	0.04	2.01e-03	2.01e-03225,205,205			1.00	0.04	0.96
4299	8.45e-03	0.02	0.0 212,59,0	0.04	6.74e-03	9.10e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.01	8.21e-03	0.0 212,210,0	0.04	1.22e-03	1.22e-03225,205,205			1.00	0.04	0.96
4300	3.31e-03	0.01	0.0 220,59,0	0.03	6.74e-03	8.58e-03225,215,215	0.14	225	0.87	0.06	0.94
	0.01	1.24e-03	0.0 212,215,0	0.03	7.47e-04	7.47e-04225,209,209			1.00	0.04	0.96
4301	0.01	0.02	0.0 212,219,0	0.04	4.77e-03	9.74e-03225,215,215	0.15	225	0.87	0.06	0.94
	7.92e-03	6.48e-03	0.0 209,218,0	0.04	2.73e-03	2.73e-03225,208,208			1.00	0.04	0.96
4302	8.45e-03	0.02	0.0 212,215,0	0.04	6.96e-03	9.74e-03225,215,215	0.15	225	0.87	0.06	0.94
	0.02	6.24e-03	0.0 220,210,0	0.04	1.96e-03	1.96e-03225,208,208			1.00	0.04	0.96
4303	3.31e-03	0.01	0.0 220,59,0	0.03	6.96e-03	8.96e-03225,215,215	0.14	225	0.87	0.06	0.94
	0.02	2.45e-03	0.0 220,227,0	0.03	7.47e-04	7.47e-04225,209,209			1.00	0.04	0.96
4304	0.01	0.03	0.0 207,204,0	0.03	5.11e-03	0.01225,215,215	0.13	225	0.87	0.06	0.94
	0.01	8.30e-03	0.0 208,205,0	0.03	3.20e-03	3.20e-03225,205,205			1.00	0.04	0.96
4305	9.60e-03	0.02	0.0 207,204,0	0.03	7.34e-03	0.01225,215,215	0.12	225	0.87	0.06	0.94
	0.02	5.06e-03	0.0 220,44,0	0.03	2.41e-03	2.41e-03225,208,208			1.00	0.04	0.96
4306	2.92e-03	0.02	0.0 223,59,0	0.02	7.34e-03	9.66e-03225,215,215	0.12	225	0.87	0.06	0.94
	0.02	3.42e-03	0.0 220,227,0	0.02	2.16e-03	2.16e-03225,213,213			1.00	0.04	0.96
4307	0.02	0.03	0.0 211,208,0	0.02	5.11e-03	0.01225,215,216	0.11	225	0.87	0.06	0.94
	0.02	0.02	0.0 208,205,0	0.02	3.47e-03	3.47e-03225,205,205			1.00	0.04	0.96
4308	0.01	0.02	0.0 211,208,0	0.02	7.66e-03	0.01225,216,216	0.11	225	0.87	0.06	0.94
	0.02	0.01	0.0 220,205,0	0.02	2.43e-03	2.43e-03225,205,205			1.00	0.04	0.96
4309	2.92e-03	0.02	0.0 223,59,0	0.02	7.66e-03	0.01225,216,216	0.10	225	0.87	0.06	0.94
	0.02	4.13e-03	0.0 220,221,0	0.02	2.16e-03	2.16e-03225,213,213			1.00	0.04	0.96
4310	0.02	0.03	0.0 219,216,0	0.02	6.27e-03	0.0152,216,216	0.11	52	0.87	0.06	0.94
	0.04	0.02	0.0 208,205,0	0.02	3.47e-03	3.47e-0352,205,205			1.00	0.04	0.96
4311	0.01	0.02	0.0 219,216,0	0.02	0.01	0.0152,216,216	0.10	52	0.87	0.06	0.94
	0.02	0.01	0.0 208,205,0	0.02	2.43e-03	2.43e-0352,205,205			1.00	0.04	0.96
4312	4.06e-03	0.02	0.0 225,59,0	0.02	0.01	0.0152,216,216	0.10	52	0.87	0.06	0.94
	0.02	7.21e-03	0.0 220,227,0	0.02	1.83e-03	1.83e-0352,205,205			1.00	0.04	0.96
4313	0.02	0.03	0.0 213,216,0	0.02	7.61e-03	0.0252,216,216	0.11	52	0.87	0.06	0.94
	0.04	0.03	0.0 208,205,0	0.02	4.56e-03	4.56e-0352,216,216			1.00	0.04	0.96
4314	0.02	0.02	0.0 213,216,0	0.02	0.01	0.0252,216,216	0.11	52	0.87	0.06	0.94
	0.02	0.01	0.0 208,205,0	0.02	4.56e-03	4.56e-0352,216,216			1.00	0.04	0.96
4315	4.11e-03	0.02	0.0 219,59,0	0.02	0.01	0.0252,216,216	0.10	52	0.87	0.06	0.94
	0.02	7.21e-03	0.0 220,227,0	0.02	1.54e-03	1.54e-0352,213,213			1.00	0.04	0.96
4316	0.02	0.03	0.0 213,216,0	0.03	0.01	0.0252,216,216	0.12	52	0.87	0.06	0.94
	0.02	0.01	0.0 208,205,0	0.03	4.26e-03	4.26e-0352,208,208			1.00	0.04	0.96
4317	0.04	0.03	0.0 216,216,0	0.02	0.01	0.0252,216,216	0.12	52	0.87	0.06	0.94
	0.04	0.03	0.0 208,205,0	0.02	8.06e-03	8.06e-0352,208,208			1.00	0.04	0.96
4318	0.04	0.03	0.0 216,216,0	0.02	6.99e-03	0.0252,208,205	0.11	52	0.87	0.06	0.94

	0.07	0.05	0.0 208,205,0	0.02	8.06e-03	8.06e-0352,208,208			1.00	0.04	0.96
4319	0.04	0.03	0.0 216,216,0	0.02	4.68e-03	0.0252,216,213	0.11	52	0.87	0.06	0.94
	0.07	0.05	0.0 208,205,0	0.02	5.03e-03	5.03e-0352,208,208			1.00	0.04	0.96
4320	0.05	0.03	0.0 220,225,0	0.02	0.02	0.0252,216,216	0.10	52	0.87	0.06	0.94
	0.01	5.86e-03	0.0 208,205,0	0.02	4.26e-03	4.26e-0352,208,208			1.00	0.04	0.96
4321	0.06	0.04	0.0 216,225,0	0.02	0.01	0.0252,208,225	0.10	52	0.87	0.06	0.94
	0.03	0.02	0.0 208,205,0	0.02	8.06e-03	8.06e-0352,208,208			1.00	0.04	0.96
4322	0.08	0.06	0.0 208,213,0	0.02	0.02	0.04220,208,213	0.10	220	0.87	0.06	0.94
	0.07	0.05	0.0 208,205,0	0.02	0.03	0.03220,208,208			1.00	0.04	0.96
4323	0.08	0.06	0.0 208,213,0	0.02	0.04	0.06220,208,205	0.10	220	0.87	0.06	0.94
	0.07	0.05	0.0 208,205,0	0.02	0.03	0.03220,208,208			1.00	0.04	0.96
4324	0.05	0.03	0.0 220,225,0	0.01	0.02	0.02220,216,219	0.09	220	0.87	0.06	0.94
	4.99e-03	1.39e-03	0.0 208,221,0	0.01	1.72e-03	1.72e-03220,208,208			1.00	0.04	0.96
4325	0.06	0.04	0.0 216,225,0	9.56e-03	0.01	0.02220,208,225	0.08	220	0.87	0.06	0.94
	9.67e-03	6.56e-03	0.0 208,205,0	9.56e-03	6.59e-03	6.59e-03220,208,208			1.00	0.04	0.96
4326	0.08	0.06	0.0 208,213,0	8.10e-03	0.02	0.04220,208,213	0.07	220	0.87	0.06	0.94
	0.04	0.03	0.0 208,205,0	8.10e-03	0.03	0.03220,208,208			1.00	0.04	0.96
4327	0.08	0.06	0.0 208,213,0	8.18e-03	0.04	0.06220,208,205	0.07	220	0.87	0.06	0.94
	0.04	0.03	0.0 208,205,0	8.18e-03	0.03	0.03220,208,208			1.00	0.04	0.96
4328	0.04	0.03	0.0 216,216,0	0.02	0.01	0.0252,216,213	0.11	52	0.87	0.06	0.94
	0.05	0.04	0.0 208,205,0	0.02	0.01	0.0152,208,208			1.00	0.04	0.96
4329	0.02	0.02	0.0 216,216,0	0.02	0.01	0.0252,216,213	0.11	52	0.87	0.06	0.94
	0.02	0.01	0.0 208,205,0	0.02	0.01	0.0152,208,208			1.00	0.04	0.96
4330	7.18e-03	0.01	0.0 216,57,0	0.02	0.01	0.0252,216,216	0.10	52	0.87	0.06	0.94
	0.01	7.65e-03	0.0 212,225,0	0.02	2.69e-03	2.69e-0352,208,208			1.00	0.04	0.96
4331	0.05	0.04	0.0 208,213,0	0.02	0.04	0.06220,208,205	0.10	220	0.87	0.06	0.94
	0.05	0.04	0.0 208,205,0	0.02	0.02	0.02220,208,208			1.00	0.04	0.96
4332	0.02	0.02	0.0 216,213,0	0.02	0.01	0.02220,208,213	0.10	220	0.87	0.06	0.94
	0.01	0.01	0.0 212,213,0	0.02	0.01	0.01220,208,208			1.00	0.04	0.96
4333	7.18e-03	0.01	0.0 216,57,0	0.01	0.01	0.02220,216,213	0.09	220	0.87	0.06	0.94
	0.01	7.65e-03	0.0 212,225,0	0.01	5.84e-03	5.84e-03220,213,213			1.00	0.04	0.96
4334	0.05	0.04	0.0 208,213,0	8.96e-03	0.04	0.06220,208,205	0.07	220	0.87	0.06	0.94
	0.03	0.02	0.0 208,208,0	8.96e-03	0.02	0.02220,208,208			1.00	0.04	0.96
4335	0.01	0.02	0.0 216,225,0	8.96e-03	0.01	0.02220,208,205	0.07	220	0.87	0.06	0.94
	0.01	0.01	0.0 213,213,0	8.96e-03	0.01	0.01220,213,213			1.00	0.04	0.96
4336	3.71e-03	9.89e-03	0.0 216,57,0	8.47e-03	6.59e-03	8.17e-03220,216,213	0.07	220	0.87	0.06	0.94
	9.70e-03	5.83e-03	0.0 216,213,0	8.47e-03	5.84e-03	5.84e-03220,213,213			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.08	0.06	0.0	0.05	0.04	0.06	0.17				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
113	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
250	0.02	0.02	0.0	209,210,0	0.05	5.99e-03	0.02	209,18,18	0.16	209	0.36	0.13	0.87
	0.14	0.10	0.0	210,209,0	0.05	0.04	0.04	209,19,19					
251	0.01	8.59e-03	0.0	223,220,0	0.05	4.43e-03	7.92e-03	209,19,19	0.16	209	0.36	0.13	0.87
	1.89e-03	1.31e-03	0.0	210,209,0	0.05	1.54e-03	1.54e-03	209,18,18					
252	0.05	0.04	0.0	209,210,0	0.05	4.43e-03	0.02	209,19,18	0.16	209	0.36	0.13	0.87
	0.03	0.02	0.0	204,207,0	0.05	1.54e-03	1.54e-03	209,18,18					
253	0.02	0.02	0.0	207,204,0	0.04	1.14e-03	6.34e-03	209,19,19	0.16	209	0.36	0.13	0.87
	3.07e-03	2.52e-03	0.0	20,17,0	0.04	0.01	0.01	209,18,18					
254	0.08	0.05	0.0	209,210,0	0.04	9.50e-03	0.02	209,15,18	0.16	209	0.36	0.13	0.87
	0.12	0.07	0.0	204,207,0	0.04	0.01	0.01	209,18,18					
255	0.02	0.02	0.0	209,210,0	0.03	5.99e-03	0.02	209,18,18	0.14	209	0.36	0.13	0.87
	0.11	0.08	0.0	207,204,0	0.03	0.02	0.02	209,18,18					
317	0.02	9.91e-03	0.0	229,230,0	0.05	4.43e-03	7.92e-03	209,19,19	0.16	209	0.36	0.13	0.87
	0.01	8.32e-03	0.0	19,18,0	0.05	0.01	0.01	209,18,18					
2336	0.05	0.04	0.0	209,210,0	0.03	4.21e-03	0.02	209,19,18	0.14	209	0.36	0.13	0.87
	0.03	0.02	0.0	204,207,0	0.03	6.02e-04	6.02e-04	209,18,18					
2337	0.08	0.05	0.0	209,210,0	0.04	9.50e-03	0.02	209,15,18	0.15	209	0.36	0.13	0.87
	0.10	0.06	0.0	204,207,0	0.04	9.99e-03	9.99e-03	209,18,18					
3470	9.33e-03	0.01	0.0	229,18,0	0.04	5.99e-03	0.01	209,18,18	0.16	209	0.36	0.13	0.87
	0.14	0.10	0.0	210,209,0	0.04	0.04	0.04	209,19,19					

3471	0.02	0.01	0.0 229,230,0	0.04	3.80e-03	5.37e-03	209,19,18	0.16	209	0.36	0.13	0.87
	0.14	0.10	0.0 210,209,0	0.04	0.04	0.04	209,19,19			1.00	0.04	0.96
3472	4.11e-03	0.01	0.0 223,18,0	0.03	5.99e-03	0.01	209,18,18	0.14	209	0.36	0.13	0.87
	0.11	0.08	0.0 207,204,0	0.03	0.02	0.02	209,18,18			1.00	0.04	0.96
3484	0.02	0.02	0.0 207,204,0	0.03	5.36e-03	7.26e-03	209,19,19	0.13	209	0.36	0.13	0.87
	0.12	0.07	0.0 204,207,0	0.03	0.01	0.01	209,18,18			1.00	0.04	0.96
3485	0.08	0.05	0.0 209,210,0	0.04	9.50e-03	9.50e-03	209,15,15	0.15	209	0.36	0.13	0.87
	0.12	0.07	0.0 204,207,0	0.04	9.99e-03	9.99e-03	209,18,18			1.00	0.04	0.96
3488	0.08	0.05	0.0 209,210,0	0.04	9.50e-03	9.50e-03	209,15,15	0.15	209	0.36	0.13	0.87
	0.10	0.06	0.0 204,207,0	0.04	9.99e-03	9.99e-03	209,18,18			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26					
	0.14	0.10	0.0	0.05	0.04	0.04	0.16					

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
114	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.25	-2.3	176	0.25	-2.3	184	0.37	-847.1	-7.432e+04	216

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2552	0.04	0.06	0.0 219,216,0	1.55e-03	0.09	0.10	213,44,44	0.03	216	0.87	0.06	0.94	
	6.73e-03	7.59e-03	0.0 218,217,0	1.52e-03	1.82e-03	1.82e-03	216,44,44			1.00	0.04	0.96	
2553	0.05	0.06	0.0 44,216,0	1.76e-03	0.09	0.10	216,44,44	0.03	216	0.87	0.06	0.94	
	6.73e-03	7.59e-03	0.0 218,217,0	1.75e-03	1.82e-03	1.82e-03	216,44,44			1.00	0.04	0.96	
2556	0.05	0.03	0.0 44,219,0	1.76e-03	0.08	0.08	216,44,44	0.03	216	0.87	0.06	0.94	
	5.34e-03	5.45e-03	0.0 222,221,0	1.75e-03	9.08e-04	9.08e-04	216,45,45			1.00	0.04	0.96	
4351	0.12	0.11	0.0 45,44,0	0.06	0.09	0.11	216,44,44	0.19	216	0.87	0.06	0.94	
	6.73e-03	7.59e-03	0.0 218,217,0	0.06	1.82e-03	1.82e-03	216,44,44			1.00	0.04	0.96	
4352	0.14	0.11	0.0 44,44,0	0.06	0.09	0.11	216,44,44	0.19	216	0.87	0.06	0.94	
	6.73e-03	7.59e-03	0.0 218,217,0	0.06	1.82e-03	1.82e-03	216,44,44			1.00	0.04	0.96	
4353	0.20	0.14	0.0 47,46,0	0.06	0.06	0.11	216,44,44	0.19	216	0.87	0.06	0.94	
	9.04e-03	4.27e-03	0.0 214,44,0	0.06	1.76e-03	1.76e-03	216,221,221			1.00	0.04	0.96	
4354	0.20	0.15	0.0 47,44,0	0.06	0.06	0.11	216,44,44	0.19	216	0.87	0.06	0.94	
	9.04e-03	5.62e-03	0.0 214,217,0	0.06	2.16e-03	2.16e-03	216,222,222			1.00	0.04	0.96	
4355	0.25	0.17	0.0 44,45,0	0.06	0.04	0.11	216,44,46	0.18	216	0.87	0.06	0.94	
	0.04	0.01	0.0 213,214,0	0.06	0.02	0.02	216,47,47			1.00	0.04	0.96	
4356	0.25	0.18	0.0 44,44,0	0.06	0.04	0.11	216,44,46	0.18	216	0.87	0.06	0.94	
	0.04	0.01	0.0 213,214,0	0.06	0.02	0.02	216,47,47			1.00	0.04	0.96	
4357	0.25	0.17	0.0 44,45,0	0.05	0.07	0.07	216,45,45	0.18	216	0.87	0.06	0.94	
	0.06	0.02	0.0 213,214,0	0.05	0.02	0.02	216,47,47			1.00	0.04	0.96	
4358	0.25	0.18	0.0 44,44,0	0.06	0.07	0.13	216,45,44	0.18	216	0.87	0.06	0.94	
	0.06	0.02	0.0 213,214,0	0.06	0.02	0.02	216,47,47			1.00	0.04	0.96	
4359	0.14	0.09	0.0 44,45,0	0.06	0.08	0.08	216,44,44	0.18	216	0.87	0.06	0.94	
	5.72e-03	5.62e-03	0.0 218,217,0	0.06	9.08e-04	9.08e-04	216,45,45			1.00	0.04	0.96	
4360	0.19	0.15	0.0 45,44,0	0.06	0.06	0.10	216,44,44	0.18	216	0.87	0.06	0.94	
	5.72e-03	5.62e-03	0.0 218,217,0	0.06	2.16e-03	2.16e-03	216,222,222			1.00	0.04	0.96	
4361	0.22	0.18	0.0 45,44,0	0.06	0.03	0.10	216,44,44	0.18	216	0.87	0.06	0.94	
	0.03	9.07e-03	0.0 43,46,0	0.06	0.01	0.01	216,43,43			1.00	0.04	0.96	
4362	0.22	0.18	0.0 45,44,0	0.06	0.06	0.13	216,45,44	0.18	216	0.87	0.06	0.94	
	0.03	9.07e-03	0.0 213,46,0	0.06	0.01	0.01	216,43,43			1.00	0.04	0.96	
4363	0.21	0.14	0.0 44,45,0	4.80e-03	0.07	0.07	216,45,45	0.05	216	0.87	0.06	0.94	
	0.06	0.02	0.0 213,214,0	4.79e-03	0.02	0.02	216,45,45			1.00	0.04	0.96	
4364	0.21	0.15	0.0 44,44,0	4.80e-03	0.07	0.13	216,45,44	0.05	216	0.87	0.06	0.94	
	0.06	0.02	0.0 213,214,0	4.79e-03	0.02	0.02	216,45,45			1.00	0.04	0.96	
4365	0.12	0.08	0.0 44,45,0	3.92e-03	0.06	0.06	216,45,45	0.05	216	0.87	0.06	0.94	
	0.03	9.34e-03	0.0 44,46,0	3.92e-03	0.02	0.02	216,45,45			1.00	0.04	0.96	
4366	0.12	0.09	0.0 44,44,0	3.92e-03	0.06	0.09	216,45,44	0.05	216	0.87	0.06	0.94	
	0.03	0.01	0.0 213,214,0	3.92e-03	0.02	0.02	216,45,45			1.00	0.04	0.96	
4367	0.04	0.03	0.0 44,45,0	2.02e-03	0.06	0.06	216,48,48	0.03	216	0.87	0.06	0.94	
	0.01	9.34e-03	0.0 43,46,0	2.02e-03	8.40e-03	8.40e-03	216,45,45			1.00	0.04	0.96	
4368	0.04	0.03	0.0 44,44,0	2.02e-03	0.06	0.06	216,48,44	0.03	216	0.87	0.06	0.94	
	0.01	9.34e-03	0.0 44,46,0	2.02e-03	8.40e-03	8.40e-03	216,45,45			1.00	0.04	0.96	
4369	0.18	0.15	0.0 45,44,0	3.45e-03	0.06	0.13	213,45,44	0.04	216	0.87	0.06	0.94	
	0.03	0.01	0.0 213,214,0	3.38e-03	0.02	0.02	216,45,45			1.00	0.04	0.96	
4370	0.10	0.09	0.0 45,44,0	2.52e-03	0.06	0.09	216,45,44	0.04	216	0.87	0.06	0.94	
	0.03	0.01	0.0 213,214,0	2.51e-03	0.02	0.02	216,45,45			1.00	0.04	0.96	
4371	0.03	0.03	0.0 45,44,0	1.31e-03	0.05	0.06	212,43,44	0.03	212	0.87	0.06	0.94	

0.01 8.10e-03 0.0 44,45,0 1.31e-03 4.35e-03 4.35e-03 212,45,45 1.00 0.04 0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.25 0.18 0.0 0.06 0.09 0.13 0.19

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
115	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.18 -3.4 182 0.85 -15.7 176 0.33 1082.2 -1.087e+05 226

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2581	0.03	0.02	0.0	216,219,0	2.65e-05	0.01	0.01	42,45,45	3.50e-03	225	0.87	0.06	0.94
	0.03	0.02	0.0	214,213,0	2.09e-05	3.46e-03	3.46e-03	225,44,44			1.00	0.04	0.96
2582	0.03	0.02	0.0	216,219,0	2.10e-03	0.01	0.01	219,45,45	0.04	219	0.87	0.06	0.94
	0.04	0.04	0.0	206,205,0	2.10e-03	9.00e-03	9.00e-03	219,44,44			1.00	0.04	0.96
2585	0.06	0.01	0.0	226,233,0	2.10e-03	0.02	0.02	219,52,52	0.04	219	0.87	0.06	0.94
	0.04	0.04	0.0	206,213,0	2.10e-03	0.01	0.01	219,210,210			1.00	0.04	0.96
2588	0.06	0.01	0.0	226,233,0	1.81e-03	0.02	0.02	214,52,52	0.03	214	0.87	0.06	0.94
	0.04	0.04	0.0	214,213,0	1.80e-03	0.01	0.01	214,210,210			1.00	0.04	0.96
4372	0.04	0.04	0.0	216,219,0	0.02	0.01	0.01	216,45,45	0.11	216	0.87	0.06	0.94
	0.03	0.02	0.0	214,213,0	0.02	6.67e-03	6.67e-03	216,44,44			1.00	0.04	0.96
4373	0.04	0.04	0.0	216,219,0	0.02	0.01	0.01	216,45,45	0.12	216	0.87	0.06	0.94
	0.04	0.04	0.0	206,205,0	0.02	0.02	0.02	216,44,44			1.00	0.04	0.96
4374	0.07	0.06	0.0	213,214,0	0.02	7.58e-03	0.02	216,44,41	0.11	216	0.87	0.06	0.94
	0.02	0.02	0.0	214,213,0	0.02	8.86e-03	8.86e-03	216,44,44			1.00	0.04	0.96
4375	0.07	0.06	0.0	213,214,0	0.02	7.58e-03	0.02	216,44,41	0.12	216	0.87	0.06	0.94
	0.04	0.03	0.0	214,213,0	0.02	0.02	0.02	216,42,42			1.00	0.04	0.96
4376	0.10	0.08	0.0	205,206,0	0.02	0.01	0.02	216,43,206	0.11	216	0.87	0.06	0.94
	0.04	0.02	0.0	213,214,0	0.02	0.02	0.02	216,45,45			1.00	0.04	0.96
4377	0.10	0.08	0.0	205,206,0	0.02	0.01	0.02	216,44,206	0.11	216	0.87	0.06	0.94
	0.06	0.04	0.0	48,45,0	0.02	0.02	0.02	216,42,42			1.00	0.04	0.96
4378	0.10	0.08	0.0	205,206,0	0.02	0.01	0.02	216,43,206	0.11	216	0.87	0.06	0.94
	0.05	0.03	0.0	217,214,0	0.02	0.02	0.02	216,45,45			1.00	0.04	0.96
4379	0.10	0.08	0.0	205,206,0	0.02	0.01	0.02	216,43,206	0.11	216	0.87	0.06	0.94
	0.06	0.04	0.0	48,45,0	0.02	0.02	0.02	216,45,45			1.00	0.04	0.96
4380	0.06	0.02	0.0	226,225,0	0.02	0.02	0.02	216,52,52	0.12	216	0.87	0.06	0.94
	0.08	0.06	0.0	44,44,0	0.02	0.03	0.03	216,46,46			1.00	0.04	0.96
4381	0.04	0.03	0.0	226,213,0	0.02	7.41e-03	9.93e-03	216,52,41	0.12	216	0.87	0.06	0.94
	0.10	0.08	0.0	46,42,0	0.02	0.04	0.04	216,46,46			1.00	0.04	0.96
4382	0.03	0.03	0.0	214,213,0	0.02	4.75e-03	9.93e-03	216,205,41	0.11	216	0.87	0.06	0.94
	0.11	0.09	0.0	45,45,0	0.02	0.04	0.04	216,46,46			1.00	0.04	0.96
4383	0.03	0.03	0.0	214,213,0	0.02	3.16e-03	0.01	213,213,43	0.10	213	0.87	0.06	0.94
	0.11	0.09	0.0	45,45,0	0.02	0.04	0.04	213,45,45			1.00	0.04	0.96
4384	0.06	0.02	0.0	226,225,0	0.02	0.02	0.02	214,52,52	0.10	214	0.87	0.06	0.94
	0.08	0.06	0.0	44,44,0	0.02	0.03	0.03	214,46,46			1.00	0.04	0.96
4385	0.04	0.03	0.0	226,213,0	0.02	7.41e-03	7.41e-03	214,52,52	0.10	214	0.87	0.06	0.94
	0.10	0.08	0.0	46,42,0	0.02	0.04	0.04	214,46,46			1.00	0.04	0.96
4386	0.03	0.03	0.0	214,213,0	0.02	1.59e-03	5.36e-03	214,51,213	0.10	214	0.87	0.06	0.94
	0.11	0.09	0.0	45,45,0	0.02	0.04	0.04	214,46,46			1.00	0.04	0.96
4387	0.03	0.03	0.0	214,213,0	0.02	1.53e-03	5.36e-03	212,217,213	0.10	212	0.87	0.06	0.94
	0.11	0.09	0.0	45,45,0	0.02	0.04	0.04	212,45,45			1.00	0.04	0.96
4388	0.06	0.05	0.0	205,206,0	0.01	0.01	0.01	213,43,222	0.08	213	0.87	0.06	0.94
	0.05	0.03	0.0	217,214,0	0.01	0.02	0.02	213,45,45			1.00	0.04	0.96
4389	0.06	0.05	0.0	205,206,0	0.03	0.01	0.01	213,43,222	0.13	213	0.87	0.06	0.94
	0.06	0.04	0.0	48,45,0	0.03	0.02	0.02	213,45,45			1.00	0.04	0.96
4390	0.04	0.03	0.0	205,206,0	0.01	0.02	0.02	213,43,45	0.08	213	0.87	0.06	0.94
	0.01	4.19e-03	0.0	44,221,0	0.01	5.94e-03	5.94e-03	213,45,45			1.00	0.04	0.96
4391	0.04	0.03	0.0	205,206,0	0.03	0.02	0.02	213,43,45	0.13	213	0.87	0.06	0.94
	0.03	0.02	0.0	44,45,0	0.03	0.02	0.02	213,46,46			1.00	0.04	0.96
4392	0.02	0.02	0.0	213,214,0	0.01	0.02	0.02	216,43,45	0.08	216	0.87	0.06	0.94
	8.40e-03	4.19e-03	0.0	222,221,0	0.01	2.71e-03	2.71e-03	216,44,44			1.00	0.04	0.96
4393	0.02	0.02	0.0	213,214,0	0.03	0.02	0.02	213,43,45	0.12	213	0.87	0.06	0.94
	0.01	5.68e-03	0.0	224,227,0	0.03	2.71e-03	2.71e-03	213,44,44			1.00	0.04	0.96
4394	0.02	0.03	0.0	214,213,0	0.03	5.93e-03	0.01	213,43,43	0.13	213	0.87	0.06	0.94
	0.10	0.08	0.0	46,45,0	0.03	0.03	0.03	213,46,46			1.00	0.04	0.96
4395	0.02	0.02	0.0	47,213,0	0.03	0.01	0.01	213,43,43	0.13	213	0.87	0.06	0.94
	0.07	0.05	0.0	46,45,0	0.03	0.03	0.03	213,42,42			1.00	0.04	0.96

4396	6.19e-03	0.01	0.0	47,217,0	0.03	0.01	0.01	213,43,43	0.12	213	0.87	0.06	0.94
	0.01	7.70e-03	0.0	224,227,0	0.03	1.51e-03	1.51e-03	212,212,212			1.00	0.04	0.96
4397	0.02	0.03	0.0	214,213,0	0.02	1.53e-03	5.17e-03	212,217,213	0.12	212	0.87	0.06	0.94
	0.10	0.08	0.0	46,45,0	0.02	0.03	0.03	212,46,46			1.00	0.04	0.96
4398	0.01	0.02	0.0	214,213,0	0.02	3.16e-03	4.62e-03	212,47,43	0.12	212	0.87	0.06	0.94
	0.07	0.05	0.0	46,45,0	0.02	0.03	0.03	212,42,42			1.00	0.04	0.96
4399	5.53e-03	0.01	0.0	218,217,0	0.02	3.16e-03	4.62e-03	212,47,43	0.12	212	0.87	0.06	0.94
	0.01	7.70e-03	0.0	224,227,0	0.02	1.51e-03	1.51e-03	212,212,212			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.11	0.09	0.0		0.03	0.04	0.04		0.13				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
116	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
256	0.03	0.02	0.0	207,204,0	0.01	0.01	0.02	209,19,19	0.08	209	0.53	0.09	0.91
	0.07	0.05	0.0	210,209,0	0.01	0.02	0.02	209,19,19			1.00	0.04	0.96
4464	0.03	0.02	0.0	18,19,0	8.29e-03	0.01	0.01	204,19,19	0.07	204	0.53	0.09	0.91
	0.07	0.05	0.0	209,210,0	8.29e-03	0.05	0.05	204,19,19			1.00	0.04	0.96
4465	0.03	0.02	0.0	18,220,0	6.85e-03	5.48e-03	9.71e-03	209,18,220	0.06	209	0.53	0.09	0.91
	0.02	0.01	0.0	207,207,0	6.85e-03	1.93e-03	1.93e-03	209,18,18			1.00	0.04	0.96
5209	0.02	6.25e-03	0.0	18,19,0	8.29e-03	0.01	0.01	204,19,19	0.07	204	0.53	0.09	0.91
	0.07	0.05	0.0	209,210,0	8.29e-03	0.05	0.05	204,19,19			1.00	0.04	0.96
5216	0.02	6.25e-03	0.0	18,19,0	8.29e-03	0.01	0.01	204,19,19	0.07	204	0.53	0.09	0.91
	0.12	0.09	0.0	18,19,0	8.29e-03	0.05	0.05	204,19,19			1.00	0.04	0.96
5217	9.23e-03	3.23e-03	0.0	207,204,0	7.75e-03	3.04e-03	3.04e-03	204,19,19	0.07	204	0.53	0.09	0.91
	0.12	0.09	0.0	18,19,0	7.75e-03	0.06	0.06	204,20,20			1.00	0.04	0.96
5218	6.87e-03	6.83e-03	0.0	223,220,0	6.67e-03	2.49e-03	5.70e-03	204,20,18	0.06	204	0.53	0.09	0.91
	0.09	0.06	0.0	18,19,0	6.67e-03	0.06	0.06	204,20,20			1.00	0.04	0.96
5225	0.03	0.02	0.0	207,204,0	0.01	0.01	0.02	209,19,19	0.08	209	0.53	0.09	0.91
	0.07	0.05	0.0	210,209,0	0.01	0.02	0.02	209,19,19			1.00	0.04	0.96
5231	0.03	0.02	0.0	207,204,0	0.01	0.01	0.02	209,19,19	0.08	209	0.53	0.09	0.91
	0.07	0.05	0.0	210,209,0	0.01	0.02	0.02	209,19,19			1.00	0.04	0.96
5233	4.93e-03	2.13e-03	0.0	223,220,0	7.40e-03	3.33e-03	3.33e-03	209,18,18	0.07	209	0.53	0.09	0.91
	0.05	0.05	0.0	210,209,0	7.40e-03	0.01	0.01	209,19,19			1.00	0.04	0.96
5235	9.38e-03	6.02e-03	0.0	229,230,0	6.09e-03	3.33e-03	3.33e-03	209,18,18	0.06	209	0.53	0.09	0.91
	0.05	0.05	0.0	210,209,0	6.09e-03	0.01	0.01	209,19,19			1.00	0.04	0.96
5485	0.03	0.02	0.0	18,19,0	9.54e-03	0.01	0.01	209,19,19	0.08	209	0.53	0.09	0.91
	0.12	0.09	0.0	18,19,0	9.54e-03	0.05	0.05	209,19,19			1.00	0.04	0.96
5486	0.03	0.02	0.0	18,220,0	9.54e-03	5.48e-03	9.71e-03	209,18,220	0.08	209	0.53	0.09	0.91
	0.02	0.01	0.0	207,207,0	9.54e-03	1.93e-03	1.93e-03	209,18,18			1.00	0.04	0.96
5487	0.03	0.02	0.0	207,204,0	0.01	0.01	0.02	209,19,19	0.08	209	0.53	0.09	0.91
	0.07	0.05	0.0	210,209,0	0.01	0.02	0.02	209,19,19			1.00	0.04	0.96
5488	9.43e-03	6.83e-03	0.0	223,220,0	9.54e-03	5.17e-03	5.70e-03	209,18,18	0.08	209	0.53	0.09	0.91
	0.12	0.09	0.0	18,19,0	9.54e-03	0.06	0.06	209,20,20			1.00	0.04	0.96
5513	9.43e-03	4.51e-03	0.0	223,220,0	9.54e-03	5.17e-03	5.17e-03	209,18,18	0.08	209	0.53	0.09	0.91
	0.01	0.01	0.0	209,210,0	9.54e-03	5.98e-03	5.98e-03	209,22,22			1.00	0.04	0.96
5514	9.38e-03	6.02e-03	0.0	229,230,0	9.54e-03	3.33e-03	4.28e-03	209,18,220	0.08	209	0.53	0.09	0.91
	0.05	0.05	0.0	210,209,0	9.54e-03	0.01	0.01	209,19,19			1.00	0.04	0.96
5515	6.87e-03	6.83e-03	0.0	223,220,0	8.76e-03	4.04e-03	5.70e-03	209,18,18	0.07	209	0.53	0.09	0.91
	0.03	0.02	0.0	22,15,0	8.76e-03	0.03	0.03	209,19,19			1.00	0.04	0.96
5516	5.34e-03	3.61e-03	0.0	221,220,0	8.81e-03	4.04e-03	4.31e-03	209,18,16	0.07	209	0.53	0.09	0.91
	8.66e-03	6.33e-03	0.0	22,15,0	8.81e-03	5.98e-03	5.98e-03	209,22,22			1.00	0.04	0.96
5550	9.38e-03	6.02e-03	0.0	229,230,0	8.81e-03	1.70e-03	2.53e-03	209,18,222	0.07	209	0.53	0.09	0.91
	8.03e-03	5.76e-03	0.0	20,19,0	8.81e-03	0.01	0.01	209,19,19			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.12	0.09	0.0		0.01	0.06	0.06		0.08				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
117	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.23	-2.1	176	0.12	-1.1	181	0.35	627.3	5.463e+04	214

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2624	0.05	0.05	0.0	214,216,0	1.35e-03	0.09	0.10	216,44,44	0.03	216	0.87	0.06	0.94
	8.40e-03	8.02e-03	0.0	234,233,0	1.34e-03	1.86e-03	1.86e-03	216,44,44			1.00	0.04	0.96
2625	0.05	0.05	0.0	214,216,0	1.53e-03	0.09	0.10	216,44,44	0.03	216	0.87	0.06	0.94
	0.01	0.01	0.0	222,221,0	1.53e-03	1.86e-03	1.86e-03	216,44,44			1.00	0.04	0.96
2628	0.04	0.03	0.0	44,219,0	1.53e-03	0.08	0.08	216,45,45	0.03	216	0.87	0.06	0.94
	0.01	0.01	0.0	222,221,0	1.53e-03	8.55e-04	8.55e-04	216,45,45			1.00	0.04	0.96
4414	0.13	0.10	0.0	45,44,0	0.05	0.09	0.11	216,44,44	0.17	216	0.87	0.06	0.94
	8.40e-03	8.02e-03	0.0	234,233,0	0.05	1.86e-03	1.86e-03	216,44,44			1.00	0.04	0.96
4415	0.14	0.10	0.0	44,44,0	0.05	0.09	0.11	216,44,44	0.17	216	0.87	0.06	0.94
	0.01	0.01	0.0	222,221,0	0.05	1.86e-03	1.86e-03	216,44,44			1.00	0.04	0.96
4416	0.20	0.15	0.0	47,46,0	0.05	0.06	0.11	216,44,44	0.17	216	0.87	0.06	0.94
	6.18e-03	3.97e-03	0.0	214,44,0	0.05	1.29e-03	1.29e-03	216,227,227			1.00	0.04	0.96
4417	0.20	0.15	0.0	47,46,0	0.05	0.06	0.11	216,44,44	0.17	216	0.87	0.06	0.94
	6.45e-03	6.13e-03	0.0	214,213,0	0.05	1.61e-03	1.61e-03	216,222,222			1.00	0.04	0.96
4418	0.24	0.17	0.0	44,45,0	0.05	0.04	0.11	216,44,46	0.17	216	0.87	0.06	0.94
	0.03	9.45e-03	0.0	44,45,0	0.05	0.02	0.02	216,45,45			1.00	0.04	0.96
4419	0.24	0.17	0.0	44,45,0	0.05	0.04	0.11	216,44,46	0.17	216	0.87	0.06	0.94
	0.03	9.98e-03	0.0	44,45,0	0.05	0.02	0.02	216,45,45			1.00	0.04	0.96
4420	0.24	0.17	0.0	44,45,0	0.05	0.07	0.07	216,45,45	0.17	216	0.87	0.06	0.94
	0.04	0.01	0.0	205,206,0	0.05	0.02	0.02	216,45,45			1.00	0.04	0.96
4421	0.24	0.17	0.0	44,45,0	0.05	0.07	0.13	216,45,44	0.17	216	0.87	0.06	0.94
	0.04	0.01	0.0	205,206,0	0.05	0.02	0.02	216,45,45			1.00	0.04	0.96
4422	0.14	0.09	0.0	44,45,0	0.05	0.08	0.08	216,45,45	0.17	216	0.87	0.06	0.94
	0.01	0.01	0.0	222,221,0	0.05	8.55e-04	8.55e-04	216,45,45			1.00	0.04	0.96
4423	0.19	0.14	0.0	45,44,0	0.05	0.06	0.10	216,44,44	0.17	216	0.87	0.06	0.94
	6.45e-03	6.13e-03	0.0	214,213,0	0.05	1.61e-03	1.61e-03	216,222,222			1.00	0.04	0.96
4424	0.22	0.17	0.0	45,44,0	0.05	0.03	0.10	216,44,44	0.17	216	0.87	0.06	0.94
	0.03	9.98e-03	0.0	44,45,0	0.05	0.01	0.01	216,45,45			1.00	0.04	0.96
4425	0.22	0.17	0.0	45,44,0	0.05	0.06	0.13	216,45,44	0.17	216	0.87	0.06	0.94
	0.03	9.98e-03	0.0	44,45,0	0.05	0.01	0.01	216,45,45			1.00	0.04	0.96
4426	0.21	0.15	0.0	44,45,0	2.79e-03	0.07	0.07	216,45,45	0.04	216	0.87	0.06	0.94
	0.04	0.01	0.0	205,206,0	2.78e-03	0.02	0.02	216,45,45			1.00	0.04	0.96
4427	0.21	0.15	0.0	44,45,0	2.79e-03	0.07	0.13	216,45,44	0.04	216	0.87	0.06	0.94
	0.04	0.01	0.0	205,206,0	2.78e-03	0.02	0.02	216,45,45			1.00	0.04	0.96
4428	0.12	0.08	0.0	44,45,0	1.42e-03	0.06	0.06	216,45,45	0.03	216	0.87	0.06	0.94
	0.02	9.54e-03	0.0	44,46,0	1.42e-03	0.02	0.02	216,45,45			1.00	0.04	0.96
4429	0.12	0.08	0.0	44,45,0	1.42e-03	0.06	0.09	216,45,44	0.03	216	0.87	0.06	0.94
	0.03	9.54e-03	0.0	205,46,0	1.42e-03	0.02	0.02	216,45,45			1.00	0.04	0.96
4430	0.04	0.03	0.0	44,45,0	5.43e-04	0.06	0.06	213,45,45	0.02	213	0.87	0.06	0.94
	0.01	9.54e-03	0.0	43,46,0	5.42e-04	8.53e-03	8.53e-03	213,45,45			1.00	0.04	0.96
4431	0.04	0.03	0.0	44,44,0	5.73e-04	0.06	0.06	42,45,44	0.02	213	0.87	0.06	0.94
	0.01	9.54e-03	0.0	43,46,0	5.42e-04	8.53e-03	8.53e-03	213,45,45			1.00	0.04	0.96
4432	0.19	0.14	0.0	45,44,0	1.88e-03	0.06	0.13	44,45,44	0.03	216	0.87	0.06	0.94
	0.03	9.20e-03	0.0	44,206,0	1.71e-03	0.02	0.02	216,45,45			1.00	0.04	0.96
4433	0.11	0.08	0.0	45,44,0	1.04e-03	0.06	0.09	44,45,44	0.02	213	0.87	0.06	0.94
	0.03	9.20e-03	0.0	205,206,0	6.72e-04	0.02	0.02	213,45,45			1.00	0.04	0.96
4434	0.03	0.03	0.0	45,44,0	5.73e-04	0.05	0.06	42,44,44	0.01	49	0.87	0.06	0.94
	0.01	9.03e-03	0.0	41,46,0	2.11e-04	4.13e-03	4.13e-03	49,45,45			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.24	0.17	0.0		0.05	0.09	0.13		0.17				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
118	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.19	-3.6	182	0.73	-13.4	180	0.29	877.8	-9.791e+04	222

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B

2653	0.03	0.03	0.0 216,219,0	2.41e-05	0.01	0.01 46,45,45	2.15e-03	214	0.87	0.06	0.94
	0.03	0.02	0.0 214,213,0	8.07e-06	3.24e-03	3.24e-03 214,44,44			1.00	0.04	0.96
2654	0.03	0.03	0.0 216,219,0	2.40e-03	0.01	0.01 219,45,45	0.04	219	0.87	0.06	0.94
	0.05	0.03	0.0 214,213,0	2.40e-03	8.12e-03	8.12e-03 219,44,44			1.00	0.04	0.96
2657	0.06	0.02	0.0 230,229,0	2.40e-03	0.02	0.02 219,52,52	0.04	219	0.87	0.06	0.94
	0.05	0.03	0.0 214,205,0	2.40e-03	0.01	0.01219,206,206			1.00	0.04	0.96
2660	0.06	0.02	0.0 230,229,0	1.83e-03	0.02	0.02 218,52,52	0.03	218	0.87	0.06	0.94
	0.04	0.03	0.0 206,205,0	1.80e-03	0.01	0.01218,206,206			1.00	0.04	0.96
4435	0.05	0.04	0.0 216,219,0	0.02	0.01	0.01 219,45,45	0.10	219	0.87	0.06	0.94
	0.03	0.02	0.0 214,213,0	0.02	6.20e-03	6.20e-03 219,44,44			1.00	0.04	0.96
4436	0.05	0.04	0.0 216,219,0	0.02	0.01	0.01 219,45,45	0.12	219	0.87	0.06	0.94
	0.05	0.03	0.0 214,213,0	0.02	0.02	0.02 219,44,44			1.00	0.04	0.96
4437	0.06	0.06	0.0 216,219,0	0.02	6.67e-03	0.02 219,44,44	0.10	219	0.87	0.06	0.94
	0.02	0.01	0.0 214,213,0	0.02	8.82e-03	8.82e-03 219,43,43			1.00	0.04	0.96
4438	0.06	0.06	0.0 216,219,0	0.02	6.67e-03	0.02 219,44,44	0.12	219	0.87	0.06	0.94
	0.04	0.03	0.0 214,213,0	0.02	0.02	0.02 219,47,47			1.00	0.04	0.96
4439	0.09	0.08	0.0 205,206,0	0.02	9.94e-03	0.02 211,44,44	0.11	211	0.87	0.06	0.94
	0.04	0.03	0.0 208,211,0	0.02	0.02	0.02 211,45,45			1.00	0.04	0.96
4440	0.09	0.08	0.0 205,206,0	0.02	9.94e-03	0.02 219,44,44	0.11	219	0.87	0.06	0.94
	0.06	0.05	0.0 48,41,0	0.02	0.02	0.02 219,45,45			1.00	0.04	0.96
4441	0.09	0.08	0.0 205,206,0	0.02	0.01	0.02 211,42,42	0.11	211	0.87	0.06	0.94
	0.06	0.04	0.0 208,211,0	0.02	0.02	0.02 211,45,45			1.00	0.04	0.96
4442	0.09	0.08	0.0 205,206,0	0.02	0.01	0.02 211,42,42	0.11	211	0.87	0.06	0.94
	0.06	0.05	0.0 208,41,0	0.02	0.02	0.02 211,45,45			1.00	0.04	0.96
4443	0.06	0.02	0.0 230,229,0	0.02	0.02	0.02 219,52,52	0.12	219	0.87	0.06	0.94
	0.07	0.05	0.0 44,44,0	0.02	0.03	0.03 219,45,45			1.00	0.04	0.96
4444	0.03	0.02	0.0 230,229,0	0.02	7.28e-03	9.75e-03 219,52,44	0.12	219	0.87	0.06	0.94
	0.10	0.07	0.0 47,41,0	0.02	0.04	0.04 219,45,45			1.00	0.04	0.96
4445	0.03	0.03	0.0 210,209,0	0.02	3.96e-03	9.75e-03 219,44,44	0.11	219	0.87	0.06	0.94
	0.11	0.09	0.0 48,45,0	0.02	0.04	0.04 219,45,45			1.00	0.04	0.96
4446	0.03	0.03	0.0 210,209,0	0.02	2.85e-03	9.62e-03211,213,42	0.10	211	0.87	0.06	0.94
	0.11	0.09	0.0 48,45,0	0.02	0.04	0.04 211,45,45			1.00	0.04	0.96
4447	0.06	0.02	0.0 230,229,0	0.02	0.02	0.02 219,52,52	0.11	219	0.87	0.06	0.94
	0.07	0.05	0.0 44,44,0	0.02	0.03	0.03 219,45,45			1.00	0.04	0.96
4448	0.03	0.02	0.0 230,229,0	0.02	7.28e-03	7.28e-03 219,52,52	0.11	219	0.87	0.06	0.94
	0.10	0.07	0.0 47,41,0	0.02	0.04	0.04 219,45,45			1.00	0.04	0.96
4449	0.03	0.03	0.0 210,209,0	0.02	1.96e-03	4.49e-03219,52,205	0.11	219	0.87	0.06	0.94
	0.11	0.09	0.0 48,45,0	0.02	0.04	0.04 219,45,45			1.00	0.04	0.96
4450	0.03	0.03	0.0 210,209,0	0.02	1.28e-03	4.49e-03211,44,205	0.10	211	0.87	0.06	0.94
	0.11	0.09	0.0 48,45,0	0.02	0.04	0.04 211,45,45			1.00	0.04	0.96
4451	0.05	0.04	0.0 205,206,0	7.27e-03	0.01	0.02 216,44,42	0.07	216	0.87	0.06	0.94
	0.06	0.04	0.0 208,211,0	7.27e-03	0.02	0.02 216,45,45			1.00	0.04	0.96
4452	0.05	0.04	0.0 205,206,0	0.02	0.01	0.02 216,44,42	0.11	216	0.87	0.06	0.94
	0.06	0.04	0.0 208,45,0	0.02	0.02	0.02 216,45,45			1.00	0.04	0.96
4453	0.04	0.03	0.0 205,206,0	7.27e-03	0.02	0.02 216,44,44	0.07	216	0.87	0.06	0.94
	0.01	6.05e-03	0.0 208,233,0	7.27e-03	6.36e-03	6.36e-03 216,46,46			1.00	0.04	0.96
4454	0.04	0.03	0.0 205,206,0	0.02	0.02	0.02 216,44,44	0.11	216	0.87	0.06	0.94
	0.03	0.02	0.0 44,45,0	0.02	0.02	0.02 216,46,46			1.00	0.04	0.96
4455	0.02	0.02	0.0 213,214,0	6.36e-03	0.02	0.02 212,44,44	0.06	212	0.87	0.06	0.94
	9.02e-03	6.05e-03	0.0 234,233,0	6.36e-03	1.89e-03	1.89e-03 212,42,42			1.00	0.04	0.96
4456	0.02	0.02	0.0 213,214,0	0.02	0.02	0.02 212,44,44	0.11	212	0.87	0.06	0.94
	0.01	6.86e-03	0.0 228,231,0	0.02	1.89e-03	1.89e-03 212,42,42			1.00	0.04	0.96
4457	0.02	0.02	0.0 47,209,0	0.02	5.50e-03	0.01 216,44,44	0.11	216	0.87	0.06	0.94
	0.11	0.08	0.0 48,45,0	0.02	0.03	0.03 216,45,45			1.00	0.04	0.96
4458	0.02	0.02	0.0 47,209,0	0.02	0.01	0.01 216,43,44	0.11	216	0.87	0.06	0.94
	0.08	0.05	0.0 44,45,0	0.02	0.03	0.03 216,46,46			1.00	0.04	0.96
4459	6.03e-03	9.10e-03	0.0 47,209,0	0.02	0.01	0.01 212,43,44	0.11	212	0.87	0.06	0.94
	0.01	8.90e-03	0.0 228,231,0	0.02	1.10e-03	1.10e-03212,218,218			1.00	0.04	0.96
4460	0.02	0.02	0.0 210,209,0	0.02	1.06e-03	3.80e-03212,211,205	0.11	212	0.87	0.06	0.94
	0.11	0.08	0.0 48,45,0	0.02	0.03	0.03 212,45,45			1.00	0.04	0.96
4461	0.01	0.02	0.0 210,209,0	0.02	3.67e-03	5.38e-03 212,44,44	0.11	212	0.87	0.06	0.94
	0.08	0.05	0.0 44,45,0	0.02	0.03	0.03 212,46,46			1.00	0.04	0.96
4462	4.80e-03	9.10e-03	0.0 210,209,0	0.02	3.67e-03	5.38e-03 212,44,44	0.10	212	0.87	0.06	0.94
	0.01	8.90e-03	0.0 228,231,0	0.02	1.10e-03	1.10e-03212,218,218			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.11	0.09	0.0	0.02	0.04	0.04	0.12				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
119	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.20	-1.8	173	0.11	-1.0	185	0.35	677.5	5.409e+04	219

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2696	0.05	0.05	0.0	206,216,0	1.05e-03	0.09	0.10	219,44,42	0.02	214	0.87	0.06	0.94
	4.87e-03	5.29e-03	0.0	218,217,0	1.05e-03	1.90e-03	1.90e-03	214,44,44			1.00	0.04	0.96
2697	0.05	0.05	0.0	206,216,0	1.15e-03	0.09	0.10	216,44,42	0.03	216	0.87	0.06	0.94
	8.70e-03	7.76e-03	0.0	222,221,0	1.15e-03	1.90e-03	1.90e-03	216,44,44			1.00	0.04	0.96
2700	0.04	0.03	0.0	45,219,0	1.15e-03	0.08	0.09	216,45,45	0.03	216	0.87	0.06	0.94
	8.70e-03	7.76e-03	0.0	222,221,0	1.15e-03	9.12e-04	9.12e-04	216,45,45			1.00	0.04	0.96
4477	0.13	0.10	0.0	47,42,0	0.04	0.09	0.11	216,44,42	0.15	213	0.87	0.06	0.94
	4.87e-03	5.29e-03	0.0	218,217,0	0.04	1.90e-03	1.90e-03	213,44,44			1.00	0.04	0.96
4478	0.13	0.10	0.0	45,42,0	0.04	0.09	0.11	216,44,42	0.15	213	0.87	0.06	0.94
	8.70e-03	7.76e-03	0.0	222,221,0	0.04	1.90e-03	1.90e-03	213,44,44			1.00	0.04	0.96
4479	0.20	0.15	0.0	45,42,0	0.04	0.06	0.11	216,44,42	0.15	213	0.87	0.06	0.94
	7.41e-03	3.94e-03	0.0	206,205,0	0.04	1.83e-03	1.83e-03	213,229,229			1.00	0.04	0.96
4480	0.20	0.15	0.0	45,42,0	0.04	0.06	0.11	216,44,42	0.15	213	0.87	0.06	0.94
	7.41e-03	5.98e-03	0.0	206,213,0	0.04	2.11e-03	2.11e-03	213,230,230			1.00	0.04	0.96
4481	0.24	0.17	0.0	45,46,0	0.04	0.04	0.11	216,44,42	0.15	216	0.87	0.06	0.94
	0.03	0.01	0.0	213,214,0	0.04	0.02	0.02	216,45,45			1.00	0.04	0.96
4482	0.24	0.17	0.0	45,46,0	0.04	0.04	0.11	213,44,42	0.15	219	0.87	0.06	0.94
	0.03	0.01	0.0	213,214,0	0.04	0.02	0.02	219,45,45			1.00	0.04	0.96
4483	0.24	0.17	0.0	45,46,0	0.03	0.07	0.14	216,45,46	0.14	216	0.87	0.06	0.94
	0.05	0.02	0.0	205,206,0	0.03	0.02	0.02	216,45,45			1.00	0.04	0.96
4484	0.24	0.17	0.0	45,46,0	0.04	0.07	0.14	219,45,46	0.15	219	0.87	0.06	0.94
	0.05	0.02	0.0	205,206,0	0.04	0.02	0.02	219,45,45			1.00	0.04	0.96
4485	0.13	0.10	0.0	45,45,0	0.04	0.08	0.09	214,45,45	0.15	214	0.87	0.06	0.94
	8.70e-03	7.76e-03	0.0	222,221,0	0.04	9.12e-04	9.12e-04	214,45,45			1.00	0.04	0.96
4486	0.20	0.14	0.0	45,45,0	0.04	0.06	0.06	214,44,44	0.15	214	0.87	0.06	0.94
	6.18e-03	5.98e-03	0.0	214,213,0	0.04	2.11e-03	2.11e-03	214,230,230			1.00	0.04	0.96
4487	0.23	0.16	0.0	43,46,0	0.04	0.03	0.04	213,44,20	0.15	219	0.87	0.06	0.94
	0.03	9.41e-03	0.0	43,46,0	0.04	0.01	0.01	219,45,45			1.00	0.04	0.96
4488	0.23	0.16	0.0	43,46,0	0.04	0.06	0.06	219,45,45	0.15	219	0.87	0.06	0.94
	0.03	9.41e-03	0.0	205,46,0	0.04	0.01	0.01	219,45,45			1.00	0.04	0.96
4489	0.20	0.15	0.0	45,44,0	2.11e-03	0.07	0.14	42,45,46	0.03	216	0.87	0.06	0.94
	0.05	0.02	0.0	205,206,0	1.85e-03	0.02	0.02	216,45,45			1.00	0.04	0.96
4490	0.20	0.15	0.0	45,44,0	2.11e-03	0.07	0.14	42,45,46	0.03	216	0.87	0.06	0.94
	0.05	0.02	0.0	205,206,0	1.85e-03	0.02	0.02	216,45,45			1.00	0.04	0.96
4491	0.12	0.08	0.0	45,44,0	1.18e-03	0.06	0.10	44,45,45	0.02	217	0.87	0.06	0.94
	0.02	9.43e-03	0.0	44,46,0	9.24e-04	0.02	0.02	217,45,45			1.00	0.04	0.96
4492	0.12	0.08	0.0	45,44,0	1.18e-03	0.06	0.10	44,45,45	0.02	217	0.87	0.06	0.94
	0.03	0.01	0.0	205,206,0	9.24e-04	0.02	0.02	217,45,45			1.00	0.04	0.96
4493	0.04	0.03	0.0	45,44,0	6.50e-04	0.06	0.07	44,45,45	0.02	217	0.87	0.06	0.94
	0.01	9.43e-03	0.0	43,46,0	4.62e-04	8.60e-03	8.60e-03	217,45,45			1.00	0.04	0.96
4494	0.04	0.03	0.0	45,44,0	6.50e-04	0.06	0.07	44,45,45	0.02	217	0.87	0.06	0.94
	0.01	9.43e-03	0.0	43,46,0	4.62e-04	8.60e-03	8.60e-03	217,45,45			1.00	0.04	0.96
4495	0.19	0.14	0.0	47,46,0	1.06e-03	0.06	0.06	213,45,45	0.02	216	0.87	0.06	0.94
	0.03	0.01	0.0	205,206,0	1.01e-03	0.02	0.02	213,45,45			1.00	0.04	0.96
4496	0.11	0.08	0.0	47,46,0	6.09e-04	0.05	0.06	44,45,42	0.01	217	0.87	0.06	0.94
	0.03	0.01	0.0	205,206,0	3.61e-04	0.02	0.02	217,45,45			1.00	0.04	0.96
4497	0.04	0.03	0.0	47,42,0	6.09e-04	0.05	0.06	44,44,42	0.01	217	0.87	0.06	0.94
	0.01	9.12e-03	0.0	41,48,0	1.84e-04	4.14e-03	4.14e-03	217,45,45			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.24	0.17	0.0	0.04	0.09	0.14	0.15

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
120	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.15	-2.6	182	0.66	-11.4	184	0.30	328.0	-1.034e+05	210

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2720	0.03	0.02	0.0	216,219,0	6.96e-05	8.40e-03	0.01	219,41,45	6.05e-03	219	0.87	0.06	0.94
	0.03	0.02	0.0	214,213,0	6.23e-05	3.82e-03	3.82e-03	219,44,44			1.00	0.04	0.96

2721	0.05	0.02	0.0 230,219,0	1.54e-03	0.02	0.02214,210,210	0.03	214	0.87	0.06	0.94
	0.04	0.03	0.0 214,213,0	1.51e-03	0.01	0.01214,210,210			1.00	0.04	0.96
2724	0.05	0.02	0.0 230,229,0	1.54e-03	0.02	0.02214,210,210	0.03	214	0.87	0.06	0.94
	0.04	0.03	0.0 214,213,0	1.51e-03	0.01	0.01214,210,210			1.00	0.04	0.96
4498	0.04	0.04	0.0 216,219,0	0.02	8.40e-03	0.01 219,41,45	0.10	219	0.87	0.06	0.94
	0.03	0.02	0.0 214,213,0	0.02	8.37e-03	8.37e-03 219,44,44			1.00	0.04	0.96
4499	0.05	0.04	0.0 230,219,0	0.02	0.02	0.02219,210,210	0.11	219	0.87	0.06	0.94
	0.06	0.04	0.0 48,46,0	0.02	0.02	0.02 219,45,45			1.00	0.04	0.96
4500	0.05	0.05	0.0 216,219,0	0.02	4.20e-03	0.01 219,48,44	0.10	219	0.87	0.06	0.94
	0.02	0.01	0.0 214,42,0	0.02	0.01	0.01 219,42,42			1.00	0.04	0.96
4501	0.05	0.05	0.0 216,219,0	0.02	4.20e-03	0.01 219,48,44	0.11	219	0.87	0.06	0.94
	0.08	0.06	0.0 45,45,0	0.02	0.03	0.03 219,45,45			1.00	0.04	0.96
4502	0.06	0.06	0.0 213,214,0	0.02	6.99e-03	0.02 211,44,43	0.11	211	0.87	0.06	0.94
	0.06	0.04	0.0 208,211,0	0.02	0.02	0.02 211,41,41			1.00	0.04	0.96
4503	0.06	0.06	0.0 213,214,0	0.02	6.99e-03	0.02 211,44,43	0.11	211	0.87	0.06	0.94
	0.10	0.08	0.0 45,42,0	0.02	0.04	0.04 211,42,42			1.00	0.04	0.96
4504	0.06	0.06	0.0 213,214,0	0.02	7.09e-03	0.02 211,45,41	0.11	211	0.87	0.06	0.94
	0.08	0.05	0.0 208,211,0	0.02	0.02	0.02 211,42,42			1.00	0.04	0.96
4505	0.06	0.06	0.0 213,214,0	0.02	7.09e-03	0.02 211,45,41	0.11	211	0.87	0.06	0.94
	0.10	0.08	0.0 45,42,0	0.02	0.04	0.04 211,42,42			1.00	0.04	0.96
4506	0.05	0.02	0.0 230,229,0	0.02	0.02	0.02219,210,210	0.11	219	0.87	0.06	0.94
	0.06	0.04	0.0 48,46,0	0.02	0.02	0.02 219,45,45			1.00	0.04	0.96
4507	0.03	0.02	0.0 230,229,0	0.02	4.15e-03	4.87e-03 219,44,42	0.11	219	0.87	0.06	0.94
	0.08	0.06	0.0 45,45,0	0.02	0.03	0.03 219,45,45			1.00	0.04	0.96
4508	0.03	0.02	0.0 210,209,0	0.02	1.33e-03	3.85e-03 219,209,42	0.10	219	0.87	0.06	0.94
	0.10	0.08	0.0 45,42,0	0.02	0.04	0.04 219,42,42			1.00	0.04	0.96
4509	0.03	0.02	0.0 210,209,0	0.01	1.30e-03	3.60e-03 206,215,209	0.09	206	0.87	0.06	0.94
	0.10	0.08	0.0 45,42,0	0.01	0.04	0.04 211,42,42			1.00	0.04	0.96
4510	0.04	0.04	0.0 213,214,0	7.93e-03	9.25e-03	0.02 213,45,41	0.07	213	0.87	0.06	0.94
	0.08	0.05	0.0 208,211,0	7.93e-03	0.02	0.02 213,42,42			1.00	0.04	0.96
4511	0.04	0.04	0.0 213,214,0	0.02	9.25e-03	0.02 212,45,41	0.10	212	0.87	0.06	0.94
	0.10	0.08	0.0 41,42,0	0.02	0.03	0.03 212,42,42			1.00	0.04	0.96
4512	0.03	0.03	0.0 213,214,0	8.06e-03	0.01	0.02 213,45,41	0.07	213	0.87	0.06	0.94
	0.01	0.01	0.0 43,48,0	8.06e-03	9.83e-03	9.83e-03 213,44,44			1.00	0.04	0.96
4513	0.03	0.03	0.0 213,214,0	0.02	0.01	0.02 212,45,41	0.10	212	0.87	0.06	0.94
	0.06	0.05	0.0 47,48,0	0.02	0.03	0.03 212,46,46			1.00	0.04	0.96
4514	0.01	0.01	0.0 213,214,0	8.06e-03	0.01	0.01 213,45,41	0.07	213	0.87	0.06	0.94
	0.01	8.58e-03	0.0 219,216,0	8.06e-03	1.82e-03	1.82e-03 213,211,211			1.00	0.04	0.96
4515	0.01	0.01	0.0 213,214,0	0.02	0.01	0.01 212,45,41	0.10	212	0.87	0.06	0.94
	0.01	8.58e-03	0.0 219,216,0	0.02	1.82e-03	1.82e-03 212,211,211			1.00	0.04	0.96
4516	0.02	0.02	0.0 210,209,0	0.02	1.47e-03	3.91e-03 212,230,44	0.10	212	0.87	0.06	0.94
	0.10	0.08	0.0 41,42,0	0.02	0.03	0.03 212,42,42			1.00	0.04	0.96
4517	0.01	0.01	0.0 210,209,0	0.02	4.06e-03	5.52e-03 212,43,44	0.10	212	0.87	0.06	0.94
	0.06	0.05	0.0 47,48,0	0.02	0.03	0.03 212,46,46			1.00	0.04	0.96
4518	4.75e-03	7.42e-03	0.0 206,205,0	0.02	4.06e-03	5.52e-03 212,43,44	0.10	212	0.87	0.06	0.94
	8.10e-03	6.44e-03	0.0 218,217,0	0.02	9.25e-04	9.25e-04 212,44,44			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26				
	0.10	0.08	0.0	0.02	0.04	0.04	0.11				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
121	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.39	96.7	203	0.29	70.3	203	0.59	-5903.9	3.047e+06	229

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2200	0.03	0.04	0.0	230,229,0	1.36e-03	3.10e-03	7.30e-03	207,230,229	0.03	207	0.87	0.06	0.94
	0.04	0.02	0.0	207,204,0	1.37e-03	0.01	0.01	207,210,210			1.00	0.04	0.96
2724	0.03	0.02	0.0	230,229,0	0.01	0.02	0.02	230,219,219	0.08	230	0.87	0.06	0.94
	0.03	0.02	0.0	44,45,0	0.01	0.02	0.02	230,214,214			1.00	0.04	0.96
2741	0.03	0.02	0.0	230,229,0	0.02	0.02	0.02	52,219,219	0.10	52	0.87	0.06	0.94
	0.03	0.02	0.0	215,45,0	0.02	0.02	0.02	52,214,214			1.00	0.04	0.96
2744	0.01	0.02	0.0	229,230,0	0.02	9.48e-03	0.01	52,212,215	0.12	52	0.87	0.06	0.94
	0.03	0.02	0.0	215,212,0	0.02	3.31e-03	3.31e-03	52,45,45			1.00	0.04	0.96
2747	0.02	0.04	0.0	229,230,0	0.02	9.48e-03	0.01	52,212,215	0.12	52	0.87	0.06	0.94
	0.02	0.01	0.0	215,212,0	0.02	3.18e-03	3.18e-03	52,219,219			1.00	0.04	0.96
2790	0.02	0.04	0.0	229,230.0	0.02	9.48e-03	0.01	52.212.216	0.11	52	0.87	0.06	0.94

	0.02	7.41e-03	0.0	215,212,0	0.02	1.46e-03	1.46e-03	52,41,41			1.00	0.04	0.96
2793	0.02	0.04	0.0	229,230,0	0.03	8.85e-03	0.01235,212,216		0.13	235	0.87	0.06	0.94
	0.02	6.31e-03	0.0	219,216,0	0.03	1.44e-03	1.44e-03235,215,215				1.00	0.04	0.96
2796	0.01	0.04	0.0	235,232,0	0.04	8.39e-03	0.01235,212,216		0.15	235	0.87	0.06	0.94
	0.03	0.01	0.0	215,212,0	0.04	2.01e-03	2.01e-03235,215,215				1.00	0.04	0.96
2799	2.20e-03	0.03	0.0	235,59,0	0.04	5.83e-03	9.76e-03235,217,212		0.16	235	0.87	0.06	0.94
	0.04	0.02	0.0	215,212,0	0.04	6.25e-03	6.25e-03235,215,215				1.00	0.04	0.96
2802	0.0	0.02	0.0	0,59,0	0.04	6.64e-03	9.10e-03235,217,218		0.16	235	0.0	0.0	0.0
	0.04	0.02	0.0	215,212,0	0.04	6.25e-03	6.25e-03235,215,215				1.00	0.04	0.96
2805	0.0	0.02	0.0	0,59,0	0.04	6.64e-03	9.10e-03235,217,218		0.16	235	0.0	0.0	0.0
	0.03	0.01	0.0	215,212,0	0.04	9.82e-04	9.82e-04235,215,215				1.00	0.04	0.96
2808	1.08e-03	0.02	0.0	212,59,0	0.04	5.93e-03	8.50e-03235,217,218		0.16	235	0.87	0.06	0.94
	0.03	0.01	0.0	215,212,0	0.04	1.21e-03	1.21e-03235,214,214				1.00	0.04	0.96
2811	8.48e-03	0.03	0.0	204,207,0	0.04	5.36e-03	8.07e-03235,210,210		0.14	235	0.87	0.06	0.94
	0.04	0.02	0.0	207,204,0	0.04	1.95e-03	1.95e-03235,210,210				1.00	0.04	0.96
2814	0.03	0.04	0.0	234,233,0	0.03	4.59e-03	7.77e-03232,210,210		0.13	232	0.87	0.06	0.94
	0.05	0.02	0.0	207,204,0	0.03	1.95e-03	1.95e-03232,210,210				1.00	0.04	0.96
2817	0.03	0.04	0.0	230,233,0	0.03	3.10e-03	7.30e-03230,230,229		0.13	230	0.87	0.06	0.94
	0.05	0.02	0.0	207,204,0	0.03	0.01	0.01230,210,210				1.00	0.04	0.96
3992	0.03	0.04	0.0	230,229,0	0.01	0.01	0.01207,210,209		0.08	207	0.87	0.06	0.94
	0.06	0.04	0.0	215,212,0	0.01	0.01	0.01207,209,209				1.00	0.04	0.96
3994	0.02	0.03	0.0	230,233,0	0.01	0.01	0.01207,210,209		0.08	207	0.87	0.06	0.94
	0.06	0.04	0.0	215,212,0	0.01	0.01	0.01207,209,209				1.00	0.04	0.96
3996	0.01	0.03	0.0	210,57,0	4.33e-03	2.50e-03	7.70e-03210,210,205		0.05	210	0.87	0.06	0.94
	0.04	0.03	0.0	235,232,0	4.33e-03	8.60e-03	8.60e-03210,207,207				1.00	0.04	0.96
3998	0.01	0.03	0.0	210,57,0	4.23e-03	2.14e-03	7.70e-03210,209,205		0.05	210	0.87	0.06	0.94
	0.04	0.03	0.0	235,232,0	4.24e-03	6.95e-03	6.95e-03210,211,211				1.00	0.04	0.96
4040	0.0	0.04	0.0	0,57,0	3.68e-03	2.77e-03	7.06e-03 210,59,57		0.05	210	0.0	0.0	0.0
	0.04	0.03	0.0	235,207,0	3.67e-03	6.77e-03	6.77e-03210,219,219				1.00	0.04	0.96
4042	0.0	0.04	0.0	0,57,0	3.68e-03	5.61e-03	7.88e-03210,209,209		0.05	210	0.0	0.0	0.0
	0.03	0.03	0.0	235,207,0	3.67e-03	6.77e-03	6.77e-03210,219,219				1.00	0.04	0.96
4044	0.0	0.03	0.0	0,57,0	3.72e-04	5.61e-03	7.88e-03210,209,209		0.01	210	0.0	0.0	0.0
	0.02	0.02	0.0	229,210,0	3.66e-04	3.49e-03	3.49e-03 210,57,57				1.00	0.04	0.96
4506	0.03	0.02	0.0	230,229,0	0.01	0.02	0.02230,219,219		0.08	230	0.87	0.06	0.94
	0.07	0.06	0.0	45,45,0	0.01	0.03	0.03230,214,214				1.00	0.04	0.96
4507	0.03	0.02	0.0	218,209,0	0.01	0.02	0.02230,219,216		0.08	230	0.87	0.06	0.94
	0.10	0.08	0.0	45,45,0	0.01	0.03	0.03230,214,214				1.00	0.04	0.96
4508	0.06	0.04	0.0	214,213,0	0.01	0.02	0.03230,211,216		0.08	230	0.87	0.06	0.94
	0.12	0.09	0.0	46,46,0	0.01	0.02	0.02230,211,211				1.00	0.04	0.96
4509	0.06	0.05	0.0	214,213,0	0.01	0.02	0.03230,211,216		0.08	230	0.87	0.06	0.94
	0.12	0.09	0.0	46,46,0	0.01	0.03	0.03230,211,211				1.00	0.04	0.96
4516	0.06	0.05	0.0	214,213,0	0.01	0.02	0.03230,219,216		0.08	230	0.87	0.06	0.94
	0.11	0.09	0.0	46,42,0	0.01	0.03	0.03230,211,211				1.00	0.04	0.96
4517	0.03	0.03	0.0	214,213,0	0.01	0.02	0.02230,219,216		0.08	230	0.87	0.06	0.94
	0.08	0.06	0.0	44,44,0	0.01	0.01	0.01 230,46,46				1.00	0.04	0.96
4518	0.01	0.01	0.0	206,205,0	9.64e-03	8.97e-03	0.01230,216,216		0.08	230	0.87	0.06	0.94
	0.01	0.01	0.0	43,44,0	9.64e-03	2.97e-03	2.97e-03230,218,218				1.00	0.04	0.96
4519	0.03	0.02	0.0	230,229,0	0.02	0.02	0.0252,219,219		0.10	52	0.87	0.06	0.94
	0.07	0.06	0.0	45,45,0	0.02	0.03	0.0352,214,214				1.00	0.04	0.96
4520	0.03	0.02	0.0	218,209,0	0.02	0.02	0.02230,219,216		0.10	230	0.87	0.06	0.94
	0.10	0.08	0.0	45,45,0	0.02	0.03	0.03230,214,214				1.00	0.04	0.96
4521	0.06	0.04	0.0	214,213,0	0.02	0.02	0.03230,211,216		0.10	230	0.87	0.06	0.94
	0.12	0.09	0.0	46,46,0	0.02	0.02	0.02230,211,211				1.00	0.04	0.96
4522	0.06	0.05	0.0	214,213,0	0.02	0.02	0.03230,211,216		0.10	230	0.87	0.06	0.94
	0.12	0.09	0.0	46,46,0	0.02	0.03	0.03230,211,211				1.00	0.04	0.96
4523	0.02	0.02	0.0	235,232,0	0.02	9.48e-03	0.0152,212,215		0.12	52	0.87	0.06	0.94
	0.05	0.04	0.0	44,45,0	0.02	8.44e-03	8.44e-03 52,45,45				1.00	0.04	0.96
4524	0.02	0.02	0.0	215,218,0	0.02	0.01	0.0252,219,212		0.11	52	0.87	0.06	0.94
	0.07	0.05	0.0	46,45,0	0.02	0.01	0.01 52,45,45				1.00	0.04	0.96
4525	0.03	0.02	0.0	215,218,0	0.02	0.01	0.0252,219,212		0.11	52	0.87	0.06	0.94
	0.07	0.06	0.0	46,46,0	0.02	0.01	0.01 52,45,45				1.00	0.04	0.96
4526	0.03	0.02	0.0	215,218,0	0.02	3.66e-03	0.0152,211,215		0.10	52	0.87	0.06	0.94
	0.07	0.06	0.0	46,46,0	0.02	0.01	0.01 52,45,45				1.00	0.04	0.96
4527	0.02	0.04	0.0	229,230,0	0.02	9.48e-03	0.0152,212,215		0.12	52	0.87	0.06	0.94
	0.03	0.02	0.0	215,45,0	0.02	6.51e-03	6.51e-03 52,41,41				1.00	0.04	0.96
4528	0.02	0.04	0.0	235,232,0	0.02	6.18e-03	0.0152,212,215		0.11	52	0.87	0.06	0.94
	0.04	0.03	0.0	44,45,0	0.02	9.26e-03	9.26e-03 52,45,45				1.00	0.04	0.96
4529	0.02	0.04	0.0	235,232,0	0.02	3.57e-03	0.0152,215,215		0.11	52	0.87	0.06	0.94
	0.04	0.03	0.0	46,46,0	0.02	0.01	0.01 52,45,45				1.00	0.04	0.96
4530	0.02	0.03	0.0	217,232,0	0.02	2.96e-03	0.0152,212,215		0.10	52	0.87	0.06	0.94
	0.04	0.03	0.0	46,46,0	0.02	0.01	0.01 52,45,45				1.00	0.04	0.96
4531	0.06	0.05	0.0	214,213,0	0.02	0.02	0.03230,219,216		0.10	230	0.87	0.06	0.94
	0.11	0.09	0.0	46,42,0	0.02	0.03	0.03230,211,211				1.00	0.04	0.96
4532	0.03	0.03	0.0	214,213,0	0.02	0.02	0.02230,219,216		0.10	230	0.87	0.06	0.94
	0.08	0.06	0.0	44,44,0	0.02	0.01	0.01 230,46,46				1.00	0.04	0.96

4533	0.01	0.01	0.0 206,205,0	0.01	0.01	0.02230,215,215	0.09	230	0.87	0.06	0.94
	0.02	0.01	0.0 43,46,0	0.01	3.36e-03	3.36e-03230,219,219			1.00	0.04	0.96
4534	0.03	0.02	0.0 215,215,0	0.02	9.42e-03	0.0252,215,215	0.10	52	0.87	0.06	0.94
	0.07	0.06	0.0 46,46,0	0.02	0.01	0.01 52,44,44			1.00	0.04	0.96
4535	0.02	0.02	0.0 215,212,0	0.02	0.01	0.0252,215,215	0.10	52	0.87	0.06	0.94
	0.05	0.04	0.0 43,42,0	0.02	9.96e-03	9.96e-03 52,44,44			1.00	0.04	0.96
4536	6.06e-03	0.01	0.0 215,57,0	0.02	0.01	0.0252,215,215	0.09	52	0.87	0.06	0.94
	0.02	0.01	0.0 43,46,0	0.02	3.36e-03	3.36e-0352,219,219			1.00	0.04	0.96
4537	0.02	0.03	0.0 212,218,0	0.02	6.38e-03	0.0152,215,215	0.10	52	0.87	0.06	0.94
	0.03	0.03	0.0 45,46,0	0.02	9.49e-03	9.49e-03 52,46,46			1.00	0.04	0.96
4538	0.01	0.02	0.0 212,218,0	0.02	0.01	0.0152,215,215	0.10	52	0.87	0.06	0.94
	0.02	0.02	0.0 43,46,0	0.02	6.81e-03	6.81e-03 52,44,44			1.00	0.04	0.96
4539	3.63e-03	0.02	0.0 217,59,0	0.02	0.01	0.0152,215,215	0.09	52	0.87	0.06	0.94
	0.02	7.47e-03	0.0 234,229,0	0.02	2.13e-03	2.13e-03 52,42,42			1.00	0.04	0.96
4540	0.02	0.04	0.0 235,230,0	0.02	9.48e-03	0.0152,212,216	0.11	52	0.87	0.06	0.94
	0.02	0.01	0.0 215,212,0	0.02	4.33e-03	4.33e-03 52,41,41			1.00	0.04	0.96
4541	0.02	0.04	0.0 235,232,0	0.02	6.02e-03	0.0152,212,216	0.10	52	0.87	0.06	0.94
	0.02	0.01	0.0 215,45,0	0.02	6.14e-03	6.14e-03 52,45,45			1.00	0.04	0.96
4542	0.02	0.04	0.0 235,232,0	0.02	2.33e-03	0.0152,212,216	0.10	52	0.87	0.06	0.94
	0.02	0.02	0.0 44,46,0	0.02	6.69e-03	6.69e-03 52,46,46			1.00	0.04	0.96
4543	0.02	0.04	0.0 217,232,0	0.02	3.13e-03	0.0152,212,212	0.10	52	0.87	0.06	0.94
	0.02	0.02	0.0 44,46,0	0.02	6.69e-03	6.69e-03 52,46,46			1.00	0.04	0.96
4544	0.02	0.04	0.0 235,230,0	0.03	8.85e-03	0.01235,212,216	0.13	235	0.87	0.06	0.94
	0.02	7.51e-03	0.0 215,212,0	0.03	2.46e-03	2.46e-03 235,41,41			1.00	0.04	0.96
4545	0.02	0.04	0.0 235,232,0	0.02	5.61e-03	0.01235,212,216	0.12	235	0.87	0.06	0.94
	0.02	7.51e-03	0.0 215,212,0	0.02	3.46e-03	3.46e-03 235,45,45			1.00	0.04	0.96
4546	0.02	0.04	0.0 235,232,0	0.02	2.24e-03	0.01235,212,216	0.11	235	0.87	0.06	0.94
	0.01	5.16e-03	0.0 215,46,0	0.02	3.74e-03	3.74e-03 235,45,45			1.00	0.04	0.96
4547	0.02	0.04	0.0 235,232,0	0.02	3.13e-03	0.01235,212,212	0.11	235	0.87	0.06	0.94
	7.64e-03	5.16e-03	0.0 218,46,0	0.02	3.74e-03	3.74e-03 235,45,45			1.00	0.04	0.96
4548	0.02	0.04	0.0 235,232,0	0.04	8.39e-03	0.01235,212,216	0.15	235	0.87	0.06	0.94
	0.03	0.01	0.0 215,212,0	0.04	2.01e-03	2.01e-03235,215,215			1.00	0.04	0.96
4549	0.02	0.04	0.0 219,232,0	0.03	4.96e-03	0.01235,212,216	0.14	235	0.87	0.06	0.94
	0.03	0.01	0.0 215,212,0	0.03	1.58e-03	1.58e-03 235,45,45			1.00	0.04	0.96
4550	0.02	0.03	0.0 219,216,0	0.03	2.34e-03	0.01235,212,216	0.13	235	0.87	0.06	0.94
	0.01	6.80e-03	0.0 215,45,0	0.03	1.72e-03	1.72e-03 235,45,45			1.00	0.04	0.96
4551	0.02	0.03	0.0 219,216,0	0.03	2.90e-03	0.01235,212,212	0.12	235	0.87	0.06	0.94
	9.18e-03	6.80e-03	0.0 218,45,0	0.03	1.72e-03	1.72e-03 235,45,45			1.00	0.04	0.96
4552	7.04e-03	0.03	0.0 219,59,0	0.04	5.83e-03	0.01235,217,212	0.16	235	0.87	0.06	0.94
	0.04	0.02	0.0 215,212,0	0.04	6.25e-03	6.25e-03235,215,215			1.00	0.04	0.96
4553	0.01	0.03	0.0 215,59,0	0.04	4.74e-03	0.01235,212,212	0.15	235	0.87	0.06	0.94
	0.03	0.01	0.0 215,212,0	0.04	1.41e-03	1.41e-03235,211,211			1.00	0.04	0.96
4554	0.01	0.03	0.0 215,212,0	0.04	2.34e-03	9.76e-03235,212,212	0.15	235	0.87	0.06	0.94
	0.02	8.13e-03	0.0 215,212,0	0.04	1.05e-03	1.05e-03235,211,211			1.00	0.04	0.96
4555	0.01	0.03	0.0 215,212,0	0.03	2.69e-03	9.43e-03235,212,212	0.14	235	0.87	0.06	0.94
	0.01	6.80e-03	0.0 218,45,0	0.03	1.05e-03	1.05e-03235,211,211			1.00	0.04	0.96
4556	4.07e-03	0.02	0.0 219,59,0	0.04	6.64e-03	9.10e-03235,217,218	0.16	235	0.87	0.06	0.94
	0.04	0.02	0.0 215,212,0	0.04	6.25e-03	6.25e-03235,215,215			1.00	0.04	0.96
4557	8.90e-03	0.02	0.0 209,59,0	0.04	4.40e-03	8.80e-03235,217,217	0.15	235	0.87	0.06	0.94
	0.03	0.01	0.0 215,212,0	0.04	9.06e-04	9.06e-04235,206,206			1.00	0.04	0.96
4558	0.01	0.02	0.0 217,210,0	0.04	2.23e-03	8.45e-03235,217,217	0.15	235	0.87	0.06	0.94
	0.02	8.26e-03	0.0 215,209,0	0.04	1.05e-03	1.05e-03235,211,211			1.00	0.04	0.96
4559	0.01	0.02	0.0 217,218,0	0.03	2.45e-03	8.46e-03235,217,217	0.14	235	0.87	0.06	0.94
	0.01	7.39e-03	0.0 210,209,0	0.03	1.05e-03	1.05e-03235,211,211			1.00	0.04	0.96
4560	3.60e-03	0.02	0.0 217,59,0	0.04	6.64e-03	9.10e-03235,217,218	0.16	235	0.87	0.06	0.94
	0.04	0.01	0.0 207,204,0	0.04	9.82e-04	9.82e-04235,215,215			1.00	0.04	0.96
4561	8.14e-03	0.02	0.0 217,59,0	0.04	3.92e-03	8.66e-03235,217,218	0.15	235	0.87	0.06	0.94
	0.04	0.01	0.0 207,204,0	0.04	1.17e-03	1.17e-03235,235,235			1.00	0.04	0.96
4562	0.01	0.02	0.0 217,59,0	0.04	1.88e-03	7.83e-03235,217,218	0.14	235	0.87	0.06	0.94
	0.02	9.11e-03	0.0 210,209,0	0.04	1.18e-03	1.18e-03235,235,235			1.00	0.04	0.96
4563	0.01	0.02	0.0 217,218,0	0.03	2.16e-03	7.81e-03235,217,218	0.14	235	0.87	0.06	0.94
	0.01	8.33e-03	0.0 210,209,0	0.03	1.18e-03	1.18e-03235,235,235			1.00	0.04	0.96
4564	5.20e-03	0.02	0.0 204,59,0	0.04	5.93e-03	8.50e-03235,217,218	0.16	235	0.87	0.06	0.94
	0.04	0.01	0.0 207,204,0	0.04	1.69e-03	1.69e-03235,230,230			1.00	0.04	0.96
4565	7.75e-03	0.02	0.0 217,59,0	0.03	3.74e-03	8.33e-03232,217,218	0.14	232	0.87	0.06	0.94
	0.04	0.01	0.0 207,204,0	0.03	2.07e-03	2.07e-03232,235,235			1.00	0.04	0.96
4566	9.21e-03	0.02	0.0 217,59,0	0.03	1.68e-03	7.29e-03232,209,218	0.14	232	0.87	0.06	0.94
	0.02	9.11e-03	0.0 210,209,0	0.03	2.57e-03	2.57e-03232,219,219			1.00	0.04	0.96
4567	9.21e-03	0.02	0.0 217,210,0	0.03	1.96e-03	7.21e-03232,217,218	0.14	232	0.87	0.06	0.94
	0.01	8.33e-03	0.0 210,209,0	0.03	2.57e-03	2.57e-03232,219,219			1.00	0.04	0.96
4568	9.63e-03	0.03	0.0 204,207,0	0.04	5.36e-03	8.07e-03235,210,210	0.14	235	0.87	0.06	0.94
	0.05	0.02	0.0 207,204,0	0.04	2.28e-03	2.28e-03235,232,232			1.00	0.04	0.96
4569	0.01	0.03	0.0 204,207,0	0.03	3.33e-03	7.75e-03230,209,210	0.14	230	0.87	0.06	0.94
	0.05	0.02	0.0 207,204,0	0.03	3.72e-03	3.72e-03230,215,215			1.00	0.04	0.96
4570	0.01	0.03	0.0 204,207,0	0.03	1.72e-03	6.79e-03230,209,210	0.13	230	0.87	0.06	0.94

	0.02	0.01	0.0 233,234,0	0.03	4.45e-03	4.45e-03230,215,215			1.00	0.04	0.96
4571	9.90e-03	0.02	0.0 204,207,0	0.03	1.66e-03	6.65e-03232,217,210	0.13	232	0.87	0.06	0.94
	0.02	0.01	0.0 233,234,0	0.03	4.45e-03	4.45e-03232,215,215			1.00	0.04	0.96
4572	0.03	0.04	0.0 234,233,0	0.03	4.59e-03	7.77e-03232,210,210	0.13	232	0.87	0.06	0.94
	0.05	0.02	0.0 235,232,0	0.03	5.35e-03	5.35e-03232,204,204			1.00	0.04	0.96
4573	0.02	0.04	0.0 234,233,0	0.03	2.91e-03	7.25e-03230,210,229	0.13	230	0.87	0.06	0.94
	0.05	0.02	0.0 235,232,0	0.03	7.41e-03	7.41e-03230,207,207			1.00	0.04	0.96
4574	0.02	0.03	0.0 232,235,0	0.03	2.91e-03	7.25e-03230,210,229	0.13	230	0.87	0.06	0.94
	0.03	0.02	0.0 235,232,0	0.03	7.41e-03	7.41e-03230,207,207			1.00	0.04	0.96
4575	0.01	0.03	0.0 230,229,0	0.03	1.28e-03	6.05e-03230,210,210	0.12	230	0.87	0.06	0.94
	0.03	0.02	0.0 235,232,0	0.03	5.98e-03	5.98e-03230,207,207			1.00	0.04	0.96
4576	0.03	0.04	0.0 230,233,0	0.03	0.01	0.01230,210,209	0.13	230	0.87	0.06	0.94
	0.06	0.04	0.0 215,212,0	0.03	0.01	0.01230,209,209			1.00	0.04	0.96
4577	0.02	0.04	0.0 234,233,0	0.02	0.01	0.01230,210,209	0.12	230	0.87	0.06	0.94
	0.06	0.04	0.0 215,212,0	0.02	0.01	0.01230,209,209			1.00	0.04	0.96
4578	0.02	0.03	0.0 232,235,0	0.02	2.91e-03	7.70e-03230,210,205	0.11	230	0.87	0.06	0.94
	0.04	0.03	0.0 235,232,0	0.02	8.60e-03	8.60e-03230,207,207			1.00	0.04	0.96
4579	0.01	0.03	0.0 230,57,0	0.02	2.14e-03	7.70e-03230,209,205	0.10	230	0.87	0.06	0.94
	0.04	0.03	0.0 235,232,0	0.02	6.95e-03	6.95e-03230,211,211			1.00	0.04	0.96
4580	0.02	0.03	0.0 217,232,0	0.02	5.83e-03	0.0152,212,215	0.10	52	0.87	0.06	0.94
	0.01	0.02	0.0 206,46,0	0.02	6.01e-03	6.01e-03 52,46,46			1.00	0.04	0.96
4581	0.01	0.02	0.0 217,232,0	0.02	9.07e-03	0.0152,212,215	0.10	52	0.87	0.06	0.94
	0.02	0.01	0.0 234,46,0	0.02	4.24e-03	4.24e-03 52,46,46			1.00	0.04	0.96
4582	3.09e-03	0.02	0.0 235,59,0	0.01	9.07e-03	0.0152,212,215	0.09	52	0.87	0.06	0.94
	0.02	7.06e-03	0.0 234,229,0	0.01	1.19e-03	1.19e-0352,205,205			1.00	0.04	0.96
4583	0.02	0.03	0.0 219,232,0	0.02	5.52e-03	0.01235,212,212	0.10	235	0.87	0.06	0.94
	6.98e-03	5.15e-03	0.0 206,46,0	0.02	3.31e-03	3.31e-03 235,46,46			1.00	0.04	0.96
4584	0.01	0.02	0.0 219,232,0	0.02	8.07e-03	0.01235,212,212	0.10	235	0.87	0.06	0.94
	0.02	7.06e-03	0.0 234,229,0	0.02	2.32e-03	2.32e-03 235,46,46			1.00	0.04	0.96
4585	2.90e-03	0.02	0.0 235,59,0	0.02	8.07e-03	0.01235,212,212	0.10	235	0.87	0.06	0.94
	0.02	7.06e-03	0.0 234,229,0	0.02	1.30e-03	1.30e-03235,211,211			1.00	0.04	0.96
4586	0.02	0.03	0.0 219,216,0	0.02	5.08e-03	0.01235,212,212	0.12	235	0.87	0.06	0.94
	7.61e-03	6.80e-03	0.0 218,46,0	0.02	1.68e-03	1.68e-03235,211,211			1.00	0.04	0.96
4587	0.01	0.02	0.0 219,216,0	0.02	7.62e-03	0.01235,212,212	0.12	235	0.87	0.06	0.94
	0.02	5.41e-03	0.0 234,46,0	0.02	2.63e-03	2.63e-03235,215,215			1.00	0.04	0.96
4588	2.83e-03	0.02	0.0 235,59,0	0.02	7.62e-03	0.01235,212,212	0.11	235	0.87	0.06	0.94
	0.02	3.41e-03	0.0 234,233,0	0.02	2.63e-03	2.63e-03235,215,215			1.00	0.04	0.96
4589	0.01	0.02	0.0 215,212,0	0.03	4.93e-03	9.48e-03235,212,212	0.14	235	0.87	0.06	0.94
	8.73e-03	6.80e-03	0.0 218,46,0	0.03	9.44e-04	9.44e-04235,211,211			1.00	0.04	0.96
4590	8.09e-03	0.02	0.0 218,59,0	0.03	6.47e-03	9.48e-03235,217,212	0.14	235	0.87	0.06	0.94
	0.02	6.39e-03	0.0 234,207,0	0.03	2.63e-03	2.63e-03235,215,215			1.00	0.04	0.96
4591	3.42e-03	0.01	0.0 230,59,0	0.03	6.47e-03	8.24e-03235,217,217	0.14	235	0.87	0.06	0.94
	0.02	6.05e-03	0.0 234,233,0	0.03	2.63e-03	2.63e-03235,215,215			1.00	0.04	0.96
4592	0.01	0.02	0.0 218,217,0	0.03	4.62e-03	9.11e-03235,217,217	0.14	235	0.87	0.06	0.94
	9.56e-03	7.21e-03	0.0 218,210,0	0.03	8.64e-04	8.64e-04235,211,211			1.00	0.04	0.96
4593	8.09e-03	0.02	0.0 218,59,0	0.03	6.49e-03	9.11e-03235,217,217	0.14	235	0.87	0.06	0.94
	0.02	7.21e-03	0.0 234,210,0	0.03	2.21e-03	2.21e-03235,218,218			1.00	0.04	0.96
4594	3.42e-03	0.01	0.0 230,59,0	0.03	6.49e-03	8.35e-03235,217,217	0.14	235	0.87	0.06	0.94
	0.02	6.05e-03	0.0 234,233,0	0.03	2.21e-03	2.21e-03235,218,218			1.00	0.04	0.96
4595	9.33e-03	0.02	0.0 217,218,0	0.03	4.11e-03	8.32e-03235,217,218	0.14	235	0.87	0.06	0.94
	9.56e-03	8.04e-03	0.0 218,210,0	0.03	1.14e-03	1.14e-03235,219,219			1.00	0.04	0.96
4596	6.20e-03	0.02	0.0 217,59,0	0.03	6.49e-03	8.35e-03235,217,217	0.14	235	0.87	0.06	0.94
	0.02	8.04e-03	0.0 234,210,0	0.03	1.00e-03	1.00e-03235,215,215			1.00	0.04	0.96
4597	0.0	0.01	0.0 0,59,0	0.03	6.49e-03	8.35e-03235,217,217	0.13	235	0.0	0.0	0.0
	0.02	5.07e-03	0.0 234,233,0	0.03	5.24e-04	5.24e-04235,215,215			1.00	0.04	0.96
4598	8.31e-03	0.02	0.0 209,59,0	0.03	3.84e-03	7.76e-03232,209,209	0.13	232	0.87	0.06	0.94
	9.05e-03	8.67e-03	0.0 210,230,0	0.03	2.45e-03	2.45e-03232,215,215			1.00	0.04	0.96
4599	5.01e-03	0.02	0.0 209,59,0	0.03	5.99e-03	7.76e-03235,209,209	0.13	235	0.87	0.06	0.94
	0.01	8.67e-03	0.0 234,230,0	0.03	1.77e-03	1.77e-03235,215,215			1.00	0.04	0.96
4600	0.0	0.01	0.0 0,59,0	0.03	5.99e-03	7.74e-03235,209,209	0.12	235	0.0	0.0	0.0
	0.01	2.21e-03	0.0 234,233,0	0.03	5.09e-04	5.09e-04235,231,231			1.00	0.04	0.96
4601	8.00e-03	0.02	0.0 204,59,0	0.03	3.51e-03	7.15e-03232,209,210	0.13	232	0.87	0.06	0.94
	0.01	0.01	0.0 229,230,0	0.03	4.01e-03	4.01e-03232,215,215			1.00	0.04	0.96
4602	4.76e-03	0.02	0.0 209,59,0	0.03	5.57e-03	7.19e-03232,209,209	0.12	232	0.87	0.06	0.94
	0.01	0.01	0.0 235,230,0	0.03	2.90e-03	2.90e-03232,215,215			1.00	0.04	0.96
4603	0.0	0.01	0.0 0,59,0	0.02	5.57e-03	7.19e-03232,209,209	0.11	232	0.0	0.0	0.0
	0.01	7.06e-03	0.0 235,232,0	0.02	8.72e-04	8.72e-04232,231,231			1.00	0.04	0.96
4604	9.25e-03	0.02	0.0 204,207,0	0.02	3.20e-03	6.83e-03230,209,210	0.12	230	0.87	0.06	0.94
	0.03	0.02	0.0 235,232,0	0.02	5.24e-03	5.24e-03230,211,211			1.00	0.04	0.96
4605	5.44e-03	0.02	0.0 204,59,0	0.02	5.20e-03	6.92e-03230,209,209	0.12	230	0.87	0.06	0.94
	0.02	0.02	0.0 229,207,0	0.02	4.60e-03	4.60e-03230,215,215			1.00	0.04	0.96
4606	6.57e-04	0.02	0.0 209,59,0	0.02	5.20e-03	6.92e-03230,209,209	0.10	230	0.87	0.06	0.94
	0.02	0.02	0.0 229,210,0	0.02	1.32e-03	1.32e-03230,207,207			1.00	0.04	0.96
4607	9.25e-03	0.04	0.0 204,57,0	0.02	3.03e-03	7.06e-03230,210,57	0.10	230	0.87	0.06	0.94
	0.04	0.03	0.0 235,207,0	0.02	6.77e-03	6.77e-03230,219,219			1.00	0.04	0.96

4608	5.44e-03	0.04	0.0	204,57,0	0.02	5.61e-03	7.88e-03	230,209,209	0.10	230	0.87	0.06	0.94
	0.03	0.03	0.0	235,207,0	0.02	6.77e-03	6.77e-03	230,219,219			1.00	0.04	0.96
4609	6.57e-04	0.03	0.0	209,57,0	0.01	5.61e-03	7.88e-03	230,209,209	0.08	230	0.87	0.06	0.94
	0.02	0.02	0.0	229,210,0	0.01	3.49e-03	3.49e-03	230,57,57			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.12	0.09	0.0		0.04	0.03	0.03		0.16				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
122	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.29	71.6	203	0.22	53.5	203	0.39	-9324.2	2.100e+06	235

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2247	0.03	0.05	0.0	230,229,0	1.29e-04	5.92e-03	0.01	220,207,2238.69e-03		220	0.87	0.06	0.94
	0.03	0.03	0.0	224,227,0	1.44e-04	0.02	0.02	204,207,207			1.00	0.04	0.96
2660	0.03	9.37e-03	0.0	230,221,0	0.02	0.02	0.02	52,213,205	0.10	52	0.87	0.06	0.94
	0.03	0.02	0.0	43,45,0	0.02	0.02	0.02	52,213,213			1.00	0.04	0.96
2834	0.03	0.01	0.0	230,57,0	0.04	0.02	0.02	52,213,205	0.15	52	0.87	0.06	0.94
	0.03	0.02	0.0	43,45,0	0.04	0.02	0.02	52,213,213			1.00	0.04	0.96
2837	0.01	0.04	0.0	235,232,0	0.05	9.88e-03	0.01	52,212,212	0.17	52	0.87	0.06	0.94
	0.03	0.02	0.0	212,212,0	0.05	3.42e-03	3.42e-03	52,216,216			1.00	0.04	0.96
2840	0.01	0.06	0.0	235,59,0	0.05	9.88e-03	0.02	52,212,212	0.17	52	0.87	0.06	0.94
	0.02	7.83e-03	0.0	212,212,0	0.05	3.42e-03	3.42e-03	52,216,216			1.00	0.04	0.96
2863	9.04e-03	0.06	0.0	235,59,0	0.03	9.83e-03	0.02	52,212,212	0.13	52	0.87	0.06	0.94
	9.51e-03	3.34e-03	0.0	215,45,0	0.03	1.74e-03	1.74e-03	52,216,216			1.00	0.04	0.96
2866	1.29e-03	0.06	0.0	235,59,0	0.02	9.03e-03	0.02	235,212,212	0.10	235	0.87	0.06	0.94
	5.85e-03	1.16e-03	0.0	224,45,0	0.02	1.36e-03	1.36e-03	235,212,212			1.00	0.04	0.96
2869	0.0	0.06	0.0	0,59,0	0.02	8.38e-03	0.01	235,212,212	0.10	235	0.0	0.0	0.0
	5.76e-03	1.71e-03	0.0	218,215,0	0.02	1.30e-03	1.30e-03	235,217,217			1.00	0.04	0.96
2872	0.0	0.07	0.0	0,59,0	0.02	7.65e-03	0.01	235,212,212	0.10	235	0.0	0.0	0.0
	9.70e-03	4.65e-03	0.0	215,215,0	0.02	1.59e-03	1.59e-03	235,213,213			1.00	0.04	0.96
2875	0.0	0.07	0.0	0,59,0	0.03	5.86e-03	0.01	232,215,212	0.13	232	0.0	0.0	0.0
	0.02	0.01	0.0	218,218,0	0.03	6.13e-03	6.13e-03	232,218,218			1.00	0.04	0.96
2907	0.0	0.04	0.0	0,59,0	0.04	6.68e-03	9.64e-03	232,218,217	0.15	232	0.0	0.0	0.0
	0.02	0.01	0.0	218,218,0	0.04	6.13e-03	6.13e-03	232,218,218			1.00	0.04	0.96
2910	3.04e-03	0.03	0.0	229,59,0	0.05	6.68e-03	9.64e-03	232,218,217	0.16	232	0.87	0.06	0.94
	6.48e-03	2.48e-03	0.0	226,213,0	0.05	9.16e-04	9.16e-04	232,218,218			1.00	0.04	0.96
2913	0.01	0.02	0.0	55,57,0	0.05	6.22e-03	8.24e-03	232,209,217	0.16	232	0.87	0.06	0.94
	5.87e-03	2.63e-03	0.0	210,210,0	0.05	1.21e-03	1.21e-03	232,210,210			1.00	0.04	0.96
2916	0.01	0.02	0.0	55,57,0	0.04	6.00e-03	6.61e-03	232,209,209	0.15	232	0.87	0.06	0.94
	9.26e-03	5.18e-03	0.0	209,210,0	0.04	1.88e-03	1.88e-03	232,210,210			1.00	0.04	0.96
2919	0.03	0.04	0.0	230,229,0	0.03	5.33e-03	6.61e-03	235,209,209	0.14	235	0.87	0.06	0.94
	0.01	6.11e-03	0.0	230,229,0	0.03	1.88e-03	1.88e-03	235,210,210			1.00	0.04	0.96
2922	0.03	0.05	0.0	230,229,0	0.03	5.92e-03	0.01	235,207,223	0.14	235	0.87	0.06	0.94
	0.03	0.03	0.0	224,227,0	0.03	0.02	0.02	235,207,207			1.00	0.04	0.96
4077	0.03	0.05	0.0	230,229,0	9.99e-04	0.01	0.02	220,207,204	0.02	220	0.87	0.06	0.94
	0.03	0.03	0.0	224,227,0	1.01e-03	0.02	0.02	220,207,207			1.00	0.04	0.96
4079	0.02	0.05	0.0	230,229,0	1.18e-03	0.01	0.02	220,207,204	0.03	220	0.87	0.06	0.94
	0.03	0.02	0.0	227,227,0	1.18e-03	0.02	0.02	220,207,207			1.00	0.04	0.96
4081	0.02	0.04	0.0	210,229,0	1.39e-03	9.83e-03	0.02	220,211,205	0.03	220	0.87	0.06	0.94
	0.03	0.02	0.0	227,224,0	1.39e-03	8.78e-03	8.78e-03	220,205,205			1.00	0.04	0.96
4083	0.02	0.04	0.0	210,209,0	1.44e-03	0.01	0.02	220,204,204	0.03	220	0.87	0.06	0.94
	0.03	0.02	0.0	227,224,0	1.43e-03	8.78e-03	8.78e-03	220,205,205			1.00	0.04	0.96
4085	0.02	0.04	0.0	210,209,0	1.97e-03	0.01	0.02	220,204,204	0.03	220	0.87	0.06	0.94
	0.03	0.02	0.0	227,224,0	1.97e-03	8.71e-03	8.71e-03	220,207,207			1.00	0.04	0.96
4087	0.01	0.04	0.0	210,57,0	1.97e-03	5.48e-03	9.45e-03	220,209,209	0.03	220	0.87	0.06	0.94
	0.03	0.02	0.0	227,224,0	1.97e-03	8.71e-03	8.71e-03	220,207,207			1.00	0.04	0.96
4089	0.01	0.03	0.0	210,57,0	2.83e-04	5.48e-03	9.45e-03	223,209,209	0.01	223	0.87	0.06	0.94
	0.02	0.02	0.0	227,224,0	2.83e-04	1.30e-03	1.30e-03	223,215,215			1.00	0.04	0.96
4447	0.03	0.01	0.0	230,221,0	0.02	0.02	0.02	52,216,213	0.10	52	0.87	0.06	0.94
	0.08	0.06	0.0	47,45,0	0.02	0.03	0.03	52,213,213			1.00	0.04	0.96
4448	0.04	0.03	0.0	214,217,0	0.02	0.02	0.02	52,216,213	0.10	52	0.87	0.06	0.94
	0.11	0.09	0.0	45,45,0	0.02	0.03	0.03	52,213,213			1.00	0.04	0.96
4449	0.07	0.06	0.0	214,213,0	0.02	0.03	0.05	52,208,216	0.10	52	0.87	0.06	0.94
	0.12	0.10	0.0	45,45,0	0.02	0.03	0.03	52,208,208			1.00	0.04	0.96
4450	0.07	0.06	0.0	214,213,0	0.02	0.03	0.05	52,208,216	0.10	52	0.87	0.06	0.94

	0.12	0.10	0.0	45,45,0	0.02	0.03	0.0352,208,208			1.00	0.04	0.96
4460	0.06	0.05	0.0	214,213,0	0.02	0.03	0.05232,216,216	0.10	232	0.87	0.06	0.94
	0.11	0.09	0.0	45,45,0	0.02	0.03	0.03232,208,208			1.00	0.04	0.96
4461	0.02	0.03	0.0	214,213,0	0.02	0.02	0.02232,216,216	0.10	232	0.87	0.06	0.94
	0.08	0.07	0.0	45,46,0	0.02	0.01	0.01232,46,46			1.00	0.04	0.96
4462	5.36e-03	0.01	0.0	218,57,0	0.02	7.58e-03	9.99e-03232,212,212	0.10	232	0.87	0.06	0.94
	0.01	0.01	0.0	47,46,0	0.02	4.97e-03	4.97e-03232,217,217			1.00	0.04	0.96
4610	0.03	0.02	0.0	230,57,0	0.04	0.02	0.0252,216,213	0.15	52	0.87	0.06	0.94
	0.08	0.06	0.0	47,45,0	0.04	0.03	0.0352,213,213			1.00	0.04	0.96
4611	0.04	0.03	0.0	214,217,0	0.04	0.02	0.0252,216,213	0.15	52	0.87	0.06	0.94
	0.11	0.09	0.0	45,45,0	0.04	0.03	0.0352,213,213			1.00	0.04	0.96
4612	0.07	0.06	0.0	214,213,0	0.04	0.03	0.0552,208,216	0.15	52	0.87	0.06	0.94
	0.12	0.10	0.0	45,45,0	0.04	0.03	0.0352,208,208			1.00	0.04	0.96
4613	0.07	0.06	0.0	214,213,0	0.03	0.03	0.0552,208,216	0.14	52	0.87	0.06	0.94
	0.12	0.10	0.0	45,45,0	0.03	0.03	0.0352,208,208			1.00	0.04	0.96
4614	0.02	0.04	0.0	235,232,0	0.05	9.88e-03	0.0152,212,212	0.17	52	0.87	0.06	0.94
	0.05	0.04	0.0	46,45,0	0.05	9.06e-03	9.06e-03216,216			1.00	0.04	0.96
4615	0.02	0.04	0.0	215,232,0	0.05	0.01	0.0252,216,216	0.16	52	0.87	0.06	0.94
	0.07	0.06	0.0	46,45,0	0.05	0.01	0.01216,216			1.00	0.04	0.96
4616	0.03	0.04	0.0	212,232,0	0.04	0.01	0.0252,216,216	0.16	52	0.87	0.06	0.94
	0.08	0.07	0.0	44,44,0	0.04	0.01	0.01216,216			1.00	0.04	0.96
4617	0.03	0.04	0.0	215,216,0	0.04	2.93e-03	0.0152,208,212	0.15	52	0.87	0.06	0.94
	0.08	0.07	0.0	44,44,0	0.04	0.01	0.01216,216			1.00	0.04	0.96
4618	0.02	0.06	0.0	235,59,0	0.05	9.88e-03	0.0252,212,212	0.17	52	0.87	0.06	0.94
	0.03	0.02	0.0	42,45,0	0.05	6.60e-03	6.60e-0352,216,216			1.00	0.04	0.96
4619	0.02	0.05	0.0	219,232,0	0.05	6.57e-03	0.0252,212,212	0.16	52	0.87	0.06	0.94
	0.04	0.03	0.0	44,45,0	0.05	9.64e-03	9.64e-03216,216			1.00	0.04	0.96
4620	0.02	0.05	0.0	215,232,0	0.04	3.47e-03	0.0152,212,212	0.16	52	0.87	0.06	0.94
	0.04	0.04	0.0	44,44,0	0.04	0.01	0.01216,216			1.00	0.04	0.96
4621	0.02	0.05	0.0	215,59,0	0.04	2.80e-03	0.0152,212,212	0.15	52	0.87	0.06	0.94
	0.04	0.04	0.0	44,44,0	0.04	0.01	0.01216,216			1.00	0.04	0.96
4622	0.06	0.05	0.0	214,213,0	0.03	0.03	0.0552,216,216	0.14	52	0.87	0.06	0.94
	0.11	0.09	0.0	45,45,0	0.03	0.03	0.0352,208,208			1.00	0.04	0.96
4623	0.02	0.03	0.0	214,213,0	0.03	0.02	0.0252,216,216	0.14	52	0.87	0.06	0.94
	0.08	0.07	0.0	45,46,0	0.03	0.01	0.01216,216			1.00	0.04	0.96
4624	5.36e-03	0.02	0.0	218,57,0	0.03	0.01	0.0252,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.01	0.0	43,46,0	0.03	4.97e-03	4.97e-0352,217,217			1.00	0.04	0.96
4625	0.03	0.03	0.0	215,212,0	0.04	0.01	0.0252,212,212	0.15	52	0.87	0.06	0.94
	0.07	0.06	0.0	44,44,0	0.04	0.01	0.01216,216			1.00	0.04	0.96
4626	0.02	0.03	0.0	215,57,0	0.04	0.01	0.0252,212,212	0.15	52	0.87	0.06	0.94
	0.05	0.04	0.0	44,46,0	0.04	0.01	0.0152,208,208			1.00	0.04	0.96
4627	3.60e-03	0.03	0.0	215,57,0	0.03	0.01	0.0252,212,212	0.14	52	0.87	0.06	0.94
	0.02	0.01	0.0	43,46,0	0.03	3.05e-03	3.05e-0352,212,212			1.00	0.04	0.96
4628	0.02	0.04	0.0	215,59,0	0.04	6.53e-03	0.0152,212,212	0.15	52	0.87	0.06	0.94
	0.04	0.04	0.0	44,44,0	0.04	9.95e-03	9.95e-03216,216			1.00	0.04	0.96
4629	0.01	0.04	0.0	215,59,0	0.04	0.01	0.0252,212,212	0.15	52	0.87	0.06	0.94
	0.03	0.03	0.0	44,42,0	0.04	6.70e-03	6.70e-03216,216			1.00	0.04	0.96
4630	0.0	0.03	0.0	0,59,0	0.03	0.01	0.0252,212,212	0.14	52	0.0	0.0	0.0
	0.02	7.64e-03	0.0	228,45,0	0.03	2.06e-03	2.06e-03216,216			1.00	0.04	0.96
4631	0.01	0.06	0.0	235,59,0	0.03	9.83e-03	0.0252,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.01	0.0	44,45,0	0.03	4.44e-03	4.44e-03216,216			1.00	0.04	0.96
4632	0.01	0.06	0.0	235,59,0	0.03	6.01e-03	0.0252,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	44,45,0	0.03	6.66e-03	6.66e-03216,216			1.00	0.04	0.96
4633	0.01	0.05	0.0	235,59,0	0.03	2.09e-03	0.0152,215,212	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	44,42,0	0.03	7.57e-03	7.57e-03216,216			1.00	0.04	0.96
4634	0.01	0.05	0.0	235,59,0	0.03	3.10e-03	0.0152,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	44,42,0	0.03	7.57e-03	7.57e-03216,216			1.00	0.04	0.96
4635	5.53e-03	0.06	0.0	235,59,0	0.02	9.03e-03	0.02235,212,212	0.10	235	0.87	0.06	0.94
	8.94e-03	4.85e-03	0.0	222,45,0	0.02	2.90e-03	2.90e-03216,216			1.00	0.04	0.96
4636	7.31e-03	0.06	0.0	235,59,0	0.02	5.59e-03	0.01235,212,212	0.09	235	0.87	0.06	0.94
	8.94e-03	7.93e-03	0.0	222,45,0	0.02	4.29e-03	4.29e-03216,216			1.00	0.04	0.96
4637	7.32e-03	0.05	0.0	219,59,0	0.01	2.12e-03	0.01235,215,212	0.09	235	0.87	0.06	0.94
	0.01	0.01	0.0	208,42,0	0.01	4.86e-03	4.86e-03216,216			1.00	0.04	0.96
4638	7.32e-03	0.05	0.0	219,59,0	0.01	3.10e-03	0.0152,212,212	0.09	52	0.87	0.06	0.94
	0.01	0.01	0.0	206,42,0	0.01	4.86e-03	4.86e-03216,216			1.00	0.04	0.96
4639	0.0	0.06	0.0	0,59,0	0.02	8.38e-03	0.01235,212,212	0.10	235	0.0	0.0	0.0
	9.51e-03	2.77e-03	0.0	234,45,0	0.02	1.67e-03	1.67e-03216,216			1.00	0.04	0.96
4640	0.0	0.06	0.0	0,59,0	0.02	5.12e-03	0.01235,212,212	0.09	235	0.0	0.0	0.0
	9.51e-03	5.14e-03	0.0	234,45,0	0.02	2.47e-03	2.47e-03216,216			1.00	0.04	0.96
4641	4.56e-03	0.05	0.0	215,59,0	0.01	2.18e-03	0.01235,215,212	0.09	235	0.87	0.06	0.94
	9.48e-03	6.80e-03	0.0	18,45,0	0.01	2.81e-03	2.81e-03216,216			1.00	0.04	0.96
4642	4.56e-03	0.05	0.0	215,59,0	0.01	2.94e-03	0.01235,212,212	0.09	235	0.87	0.06	0.94
	9.48e-03	7.13e-03	0.0	18,45,0	0.01	2.81e-03	2.81e-03216,216			1.00	0.04	0.96
4643	0.0	0.07	0.0	0,59,0	0.02	7.65e-03	0.01232,212,212	0.10	232	0.0	0.0	0.0
	0.01	4.65e-03	0.0	218,215,0	0.02	1.59e-03	1.59e-03232,213,213			1.00	0.04	0.96

4644	0.0	0.06	0.0	0,59,0	0.02	4.66e-03	0.01232,215,212	0.10	232	0.0	0.0	0.0
	0.01	5.99e-03	0.0	218,45,0	0.02	1.46e-03	1.46e-03232,205,205			1.00	0.04	0.96
4645	0.0	0.05	0.0	0,59,0	0.02	2.18e-03	0.01232,215,212	0.10	232	0.0	0.0	0.0
	9.55e-03	7.71e-03	0.0	18,45,0	0.02	1.36e-03	1.36e-03 232,44,44			1.00	0.04	0.96
4646	0.0	0.05	0.0	0,59,0	0.01	2.70e-03	0.01232,212,212	0.09	232	0.0	0.0	0.0
	9.48e-03	7.85e-03	0.0	18,45,0	0.01	1.36e-03	1.36e-03 232,44,44			1.00	0.04	0.96
4647	0.0	0.07	0.0	0,59,0	0.03	5.86e-03	0.01232,215,212	0.13	232	0.0	0.0	0.0
	0.02	0.01	0.0	218,218,0	0.03	6.13e-03	6.13e-03232,218,218			1.00	0.04	0.96
4648	0.0	0.06	0.0	0,59,0	0.03	4.32e-03	0.01232,218,212	0.13	232	0.0	0.0	0.0
	0.01	6.02e-03	0.0	218,45,0	0.03	1.35e-03	1.35e-03232,208,208			1.00	0.04	0.96
4649	4.27e-03	0.05	0.0	218,59,0	0.03	2.16e-03	9.89e-03232,218,212	0.13	232	0.87	0.06	0.94
	9.87e-03	7.71e-03	0.0	218,45,0	0.03	1.05e-03	1.05e-03232,208,208			1.00	0.04	0.96
4650	4.31e-03	0.04	0.0	218,59,0	0.03	2.59e-03	9.62e-03232,215,215	0.13	232	0.87	0.06	0.94
	9.47e-03	7.85e-03	0.0	18,45,0	0.03	1.05e-03	1.05e-03232,208,208			1.00	0.04	0.96
4651	9.42e-03	0.04	0.0	215,59,0	0.03	5.78e-03	0.0152,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.02	0.0	206,42,0	0.03	6.86e-03	6.86e-03 52,44,44			1.00	0.04	0.96
4652	4.68e-03	0.04	0.0	219,59,0	0.03	9.35e-03	0.0152,212,212	0.13	52	0.87	0.06	0.94
	0.02	0.01	0.0	228,42,0	0.03	4.69e-03	4.69e-03 52,44,44			1.00	0.04	0.96
4653	0.0	0.03	0.0	0,59,0	0.02	9.35e-03	0.0152,212,212	0.12	52	0.0	0.0	0.0
	0.02	2.94e-03	0.0	228,221,0	0.02	1.57e-03	1.57e-03 52,43,43			1.00	0.04	0.96
4654	5.96e-03	0.04	0.0	215,59,0	0.01	5.50e-03	0.0152,212,212	0.09	52	0.87	0.06	0.94
	0.01	0.01	0.0	206,42,0	0.01	4.43e-03	4.43e-03 52,44,44			1.00	0.04	0.96
4655	0.0	0.04	0.0	0,59,0	0.01	8.12e-03	0.0152,212,212	0.09	52	0.0	0.0	0.0
	0.02	8.54e-03	0.0	52,205,0	0.01	3.06e-03	3.06e-03 52,44,44			1.00	0.04	0.96
4656	0.0	0.03	0.0	0,59,0	0.01	8.12e-03	0.0152,212,212	0.09	52	0.0	0.0	0.0
	0.02	8.97e-04	0.0	52,221,0	0.01	9.86e-04	9.86e-0452,209,209			1.00	0.04	0.96
4657	3.63e-03	0.04	0.0	215,59,0	0.01	5.15e-03	0.01235,212,212	0.08	235	0.87	0.06	0.94
	9.49e-03	7.13e-03	0.0	218,45,0	0.01	2.56e-03	2.56e-03 235,44,44			1.00	0.04	0.96
4658	0.0	0.04	0.0	0,59,0	0.01	7.61e-03	0.01235,212,212	0.08	235	0.0	0.0	0.0
	0.02	5.07e-03	0.0	52,45,0	0.01	1.95e-03	1.95e-03235,209,209			1.00	0.04	0.96
4659	0.0	0.03	0.0	0,59,0	0.01	7.61e-03	0.01235,212,212	0.08	235	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	0.01	1.35e-03	1.35e-03235,215,215			1.00	0.04	0.96
4660	0.0	0.04	0.0	0,59,0	0.01	4.80e-03	0.01232,215,212	0.09	232	0.0	0.0	0.0
	0.01	7.85e-03	0.0	215,45,0	0.01	1.52e-03	1.52e-03232,205,205			1.00	0.04	0.96
4661	0.0	0.04	0.0	0,59,0	0.01	7.26e-03	0.01232,212,212	0.08	232	0.0	0.0	0.0
	0.02	5.57e-03	0.0	52,45,0	0.01	2.44e-03	2.44e-03232,213,213			1.00	0.04	0.96
4662	0.0	0.03	0.0	0,59,0	9.87e-03	7.26e-03	0.01235,212,212	0.08	235	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	9.86e-03	2.44e-03	2.44e-03235,213,213			1.00	0.04	0.96
4663	4.31e-03	0.04	0.0	218,59,0	0.03	4.77e-03	9.96e-03232,215,215	0.12	232	0.87	0.06	0.94
	0.01	7.85e-03	0.0	215,45,0	0.03	9.14e-04	9.14e-04232,208,208			1.00	0.04	0.96
4664	0.0	0.03	0.0	0,59,0	0.03	6.50e-03	9.96e-03232,215,215	0.12	232	0.0	0.0	0.0
	0.02	6.02e-03	0.0	52,212,0	0.03	2.44e-03	2.44e-03232,213,213			1.00	0.04	0.96
4665	0.0	0.03	0.0	0,57,0	0.02	6.50e-03	8.98e-03232,215,215	0.12	232	0.0	0.0	0.0
	0.02	2.91e-03	0.0	52,217,0	0.02	2.44e-03	2.44e-03232,213,213			1.00	0.04	0.96
4666	0.0	0.04	0.0	0,59,0	0.04	6.68e-03	9.64e-03232,218,217	0.15	232	0.0	0.0	0.0
	0.02	0.01	0.0	218,218,0	0.04	6.13e-03	6.13e-03232,218,218			1.00	0.04	0.96
4667	2.92e-03	0.04	0.0	218,59,0	0.04	4.32e-03	9.53e-03232,218,217	0.15	232	0.87	0.06	0.94
	0.01	6.02e-03	0.0	218,45,0	0.04	9.13e-04	9.13e-04232,209,209			1.00	0.04	0.96
4668	4.82e-03	0.04	0.0	218,59,0	0.03	2.16e-03	9.08e-03232,218,217	0.14	232	0.87	0.06	0.94
	0.01	7.47e-03	0.0	218,46,0	0.03	9.61e-04	9.61e-04232,208,208			1.00	0.04	0.96
4669	4.82e-03	0.03	0.0	218,59,0	0.03	2.41e-03	8.79e-03232,218,217	0.14	232	0.87	0.06	0.94
	9.62e-03	7.52e-03	0.0	210,46,0	0.03	9.61e-04	9.61e-04232,208,208			1.00	0.04	0.96
4670	6.61e-03	0.03	0.0	215,59,0	0.05	6.68e-03	9.64e-03232,218,217	0.16	232	0.87	0.06	0.94
	9.39e-03	4.41e-03	0.0	214,210,0	0.05	9.16e-04	9.16e-04232,218,218			1.00	0.04	0.96
4671	8.84e-03	0.03	0.0	210,59,0	0.04	3.90e-03	9.21e-03232,217,217	0.16	232	0.87	0.06	0.94
	0.01	5.86e-03	0.0	218,209,0	0.04	6.55e-04	6.55e-04232,227,227			1.00	0.04	0.96
4672	9.08e-03	0.03	0.0	210,59,0	0.04	1.83e-03	8.36e-03232,217,217	0.15	232	0.87	0.06	0.94
	0.01	6.28e-03	0.0	218,46,0	0.04	9.68e-04	9.68e-04232,227,227			1.00	0.04	0.96
4673	9.08e-03	0.03	0.0	210,59,0	0.04	2.17e-03	8.32e-03232,217,217	0.15	232	0.87	0.06	0.94
	9.62e-03	6.31e-03	0.0	210,46,0	0.04	1.17e-03	1.17e-03232,215,215			1.00	0.04	0.96
4674	0.01	0.02	0.0	55,57,0	0.05	6.22e-03	8.24e-03232,209,217	0.16	232	0.87	0.06	0.94
	9.74e-03	6.32e-03	0.0	209,210,0	0.05	1.21e-03	1.21e-03232,210,210			1.00	0.04	0.96
4675	0.01	0.02	0.0	210,57,0	0.04	3.86e-03	8.21e-03232,209,209	0.16	232	0.87	0.06	0.94
	9.82e-03	6.55e-03	0.0	210,209,0	0.04	1.32e-03	1.32e-03232,227,227			1.00	0.04	0.96
4676	0.01	0.02	0.0	210,57,0	0.04	1.67e-03	7.31e-03232,209,209	0.15	232	0.87	0.06	0.94
	9.82e-03	6.55e-03	0.0	210,209,0	0.04	2.34e-03	2.34e-03232,215,215			1.00	0.04	0.96
4677	0.01	0.03	0.0	210,57,0	0.04	2.00e-03	7.58e-03232,217,209	0.15	232	0.87	0.06	0.94
	9.15e-03	5.78e-03	0.0	210,209,0	0.04	2.34e-03	2.34e-03232,215,215			1.00	0.04	0.96
4678	0.01	0.02	0.0	55,57,0	0.04	6.00e-03	7.26e-03232,209,209	0.15	232	0.87	0.06	0.94
	0.01	9.03e-03	0.0	209,210,0	0.04	1.88e-03	1.88e-03232,210,210			1.00	0.04	0.96
4679	0.01	0.02	0.0	210,57,0	0.04	3.66e-03	7.26e-03232,209,209	0.15	232	0.87	0.06	0.94
	0.01	9.03e-03	0.0	209,210,0	0.04	2.76e-03	2.76e-03232,215,215			1.00	0.04	0.96
4680	0.01	0.02	0.0	210,57,0	0.03	2.14e-03	6.86e-03232,209,209	0.14	232	0.87	0.06	0.94
	0.01	9.56e-03	0.0	227,224,0	0.03	3.95e-03	3.95e-03232,215,215			1.00	0.04	0.96
4681	0.01	0.02	0.0	210,57,0	0.03	1.71e-03	6.96e-03232,209,209	0.14	232	0.87	0.06	0.94

	0.01	9.56e-03	0.0	227,224,0	0.03	3.95e-03	3.95e-03	232,215,215			1.00	0.04	0.96
4682	0.03	0.04	0.0	230,229,0	0.03	5.33e-03	7.58e-03	235,209,209	0.14	235	0.87	0.06	0.94
	0.02	9.89e-03	0.0	229,230,0	0.03	5.77e-03	5.77e-03	235,215,215			1.00	0.04	0.96
4683	0.02	0.04	0.0	230,229,0	0.03	5.11e-03	0.01	232,207,209	0.12	232	0.87	0.06	0.94
	0.02	0.01	0.0	227,224,0	0.03	5.77e-03	5.77e-03	232,215,215			1.00	0.04	0.96
4684	0.02	0.03	0.0	230,229,0	0.02	5.11e-03	0.01	232,207,209	0.12	232	0.87	0.06	0.94
	0.02	0.02	0.0	227,224,0	0.02	4.44e-03	4.44e-03	232,227,227			1.00	0.04	0.96
4685	0.02	0.03	0.0	230,229,0	0.02	1.74e-03	8.51e-03	232,209,209	0.12	232	0.87	0.06	0.94
	0.02	0.02	0.0	227,224,0	0.02	3.95e-03	3.95e-03	232,215,215			1.00	0.04	0.96
4686	0.03	0.05	0.0	230,229,0	0.03	0.01	0.02	235,207,204	0.14	235	0.87	0.06	0.94
	0.03	0.03	0.0	224,227,0	0.03	0.02	0.02	235,207,207			1.00	0.04	0.96
4687	0.02	0.05	0.0	230,229,0	0.02	0.01	0.02	235,207,204	0.12	235	0.87	0.06	0.94
	0.03	0.02	0.0	227,227,0	0.02	0.02	0.02	235,207,207			1.00	0.04	0.96
4688	0.02	0.04	0.0	230,229,0	0.02	9.83e-03	0.02	235,211,205	0.11	235	0.87	0.06	0.94
	0.03	0.02	0.0	227,224,0	0.02	8.78e-03	8.78e-03	235,205,205			1.00	0.04	0.96
4689	0.02	0.04	0.0	210,209,0	0.02	0.01	0.02	235,204,204	0.10	235	0.87	0.06	0.94
	0.03	0.02	0.0	227,224,0	0.02	8.78e-03	8.78e-03	235,205,205			1.00	0.04	0.96
4690	4.31e-03	0.03	0.0	218,59,0	0.03	4.51e-03	9.17e-03	232,218,217	0.14	232	0.87	0.06	0.94
	0.01	7.52e-03	0.0	207,46,0	0.03	8.03e-04	8.03e-04	232,215,215			1.00	0.04	0.96
4691	0.0	0.03	0.0	0,59,0	0.03	6.44e-03	9.17e-03	232,217,217	0.13	232	0.0	0.0	0.0
	0.02	7.04e-03	0.0	218,204,0	0.03	2.27e-03	2.27e-03	232,218,218			1.00	0.04	0.96
4692	0.0	0.03	0.0	0,57,0	0.03	6.44e-03	8.72e-03	232,217,217	0.12	232	0.0	0.0	0.0
	0.02	2.91e-03	0.0	218,217,0	0.03	2.27e-03	2.27e-03	232,218,218			1.00	0.04	0.96
4693	6.97e-03	0.03	0.0	210,59,0	0.04	4.07e-03	8.75e-03	232,217,217	0.14	232	0.87	0.06	0.94
	0.01	7.58e-03	0.0	207,204,0	0.04	1.17e-03	1.17e-03	232,215,215			1.00	0.04	0.96
4694	2.45e-03	0.03	0.0	210,59,0	0.03	6.44e-03	8.75e-03	232,217,217	0.14	232	0.87	0.06	0.94
	0.01	7.58e-03	0.0	207,204,0	0.03	1.00e-03	1.00e-03	232,215,215			1.00	0.04	0.96
4695	0.0	0.03	0.0	0,57,0	0.03	6.44e-03	8.72e-03	232,217,217	0.13	232	0.0	0.0	0.0
	0.01	2.57e-03	0.0	230,209,0	0.03	5.25e-04	5.25e-04	232,207,207			1.00	0.04	0.96
4696	9.30e-03	0.03	0.0	210,57,0	0.04	3.97e-03	8.36e-03	232,209,209	0.14	232	0.87	0.06	0.94
	0.01	9.24e-03	0.0	223,220,0	0.04	2.12e-03	2.12e-03	232,215,215			1.00	0.04	0.96
4697	3.95e-03	0.03	0.0	210,57,0	0.03	6.27e-03	8.43e-03	232,209,209	0.14	232	0.87	0.06	0.94
	0.01	9.24e-03	0.0	223,220,0	0.03	1.14e-03	1.14e-03	232,215,215			1.00	0.04	0.96
4698	0.0	0.03	0.0	0,57,0	0.03	6.27e-03	8.43e-03	232,209,209	0.13	232	0.0	0.0	0.0
	8.70e-03	4.51e-03	0.0	210,204,0	0.03	2.77e-04	2.77e-04	232,215,215			1.00	0.04	0.96
4699	9.90e-03	0.02	0.0	210,57,0	0.03	3.97e-03	8.28e-03	232,209,209	0.14	232	0.87	0.06	0.94
	0.02	0.01	0.0	227,224,0	0.03	2.79e-03	2.79e-03	232,215,215			1.00	0.04	0.96
4700	3.95e-03	0.03	0.0	210,57,0	0.03	6.35e-03	8.50e-03	232,209,209	0.13	232	0.87	0.06	0.94
	0.02	0.01	0.0	227,224,0	0.03	1.14e-03	1.14e-03	232,215,215			1.00	0.04	0.96
4701	0.0	0.03	0.0	0,57,0	0.02	6.35e-03	8.50e-03	232,209,209	0.12	232	0.0	0.0	0.0
	0.01	7.98e-03	0.0	223,204,0	0.02	5.10e-04	5.10e-04	232,209,209			1.00	0.04	0.96
4702	0.01	0.03	0.0	210,57,0	0.02	5.20e-03	0.01	232,209,209	0.11	232	0.87	0.06	0.94
	0.02	0.02	0.0	227,224,0	0.02	2.79e-03	2.79e-03	232,215,215			1.00	0.04	0.96
4703	6.24e-03	0.03	0.0	210,57,0	0.02	6.35e-03	0.01	232,209,209	0.11	232	0.87	0.06	0.94
	0.02	0.02	0.0	227,224,0	0.02	1.87e-03	1.87e-03	232,229,229			1.00	0.04	0.96
4704	0.0	0.03	0.0	0,57,0	0.02	6.35e-03	8.50e-03	232,209,209	0.10	232	0.0	0.0	0.0
	0.02	0.01	0.0	227,224,0	0.02	1.24e-03	1.24e-03	232,207,207			1.00	0.04	0.96
4705	0.02	0.04	0.0	210,209,0	0.01	0.01	0.02	235,204,204	0.09	235	0.87	0.06	0.94
	0.03	0.02	0.0	227,224,0	0.01	8.71e-03	8.71e-03	235,207,207			1.00	0.04	0.96
4706	0.01	0.04	0.0	210,57,0	0.01	5.72e-03	0.01	227,209,209	0.09	227	0.87	0.06	0.94
	0.03	0.02	0.0	227,224,0	0.01	8.71e-03	8.71e-03	227,207,207			1.00	0.04	0.96
4707	0.01	0.03	0.0	210,57,0	0.01	5.72e-03	9.45e-03	235,209,209	0.08	235	0.87	0.06	0.94
	0.02	0.02	0.0	227,224,0	0.01	1.30e-03	1.30e-03	235,215,215			1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.12 0.10 0.0 0.05 0.03 0.05 0.17

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
123	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.32 -79.6 198 0.28 -67.7 198 0.37 -1.518e+04 2.795e+06 223

Nodo V. 127 V. 128 V. 545 Rif. cmb V. 129 V. 130 V. 131 Rif. cmb V. D.26 Rif. cmb Fac. B-A Qsup. A Qsup. B
1929 0.03 0.04 0.0 229,230,0 3.00e-03 5.91e-03 0.01230,210,210 0.04 230 0.87 0.06 0.94
0.04 0.05 0.0 229,230,0 3.02e-03 0.02 0.02230,209,209 1.00 0.04 0.96
2957 0.03 0.04 0.0 229,230,0 0.05 5.91e-03 0.01232,210,210 0.17 232 0.87 0.06 0.94
0.04 0.05 0.0 229,230,0 0.05 0.02 0.02232,209,209 1.00 0.04 0.96

2960	0.02	0.02	0.0	235,232,0	0.05	4.27e-03	4.27e-03232,209,209	0.17	232	0.87	0.06	0.94
	0.03	0.03	0.0	229,230,0	0.05	1.56e-03	1.56e-03232,209,209			1.00	0.04	0.96
2963	0.02	0.01	0.0	51,57,0	0.04	5.30e-03	5.30e-03235,209,209	0.15	235	0.87	0.06	0.94
	0.02	0.03	0.0	229,230,0	0.04	1.56e-03	1.56e-03235,209,209			1.00	0.04	0.96
2966	0.01	0.02	0.0	55,57,0	0.04	5.88e-03	8.12e-03235,209,209	0.16	235	0.87	0.06	0.94
	0.01	0.02	0.0	229,230,0	0.04	9.77e-04	9.77e-04235,210,210			1.00	0.04	0.96
2969	8.88e-04	0.03	0.0	230,59,0	0.04	6.20e-03	9.15e-03235,209,209	0.16	235	0.87	0.06	0.94
	0.01	0.02	0.0	229,230,0	0.04	6.76e-04	6.76e-04235,210,210			1.00	0.04	0.96
3000	0.0	0.03	0.0	0,59,0	0.03	6.20e-03	9.15e-03235,209,209	0.14	235	0.0	0.0	0.0
	0.01	0.01	0.0	229,230,0	0.03	2.97e-03	2.97e-03235,209,209			1.00	0.04	0.96
3003	0.0	0.05	0.0	0,59,0	0.03	5.47e-03	9.08e-03235,208,211	0.13	235	0.0	0.0	0.0
	0.01	0.01	0.0	229,230,0	0.03	2.97e-03	2.97e-03235,209,209			1.00	0.04	0.96
3006	0.0	0.05	0.0	0,59,0	0.02	6.24e-03	0.01235,207,207	0.10	235	0.0	0.0	0.0
	0.01	0.01	0.0	209,210,0	0.02	2.49e-03	2.49e-03235,210,210			1.00	0.04	0.96
3009	0.0	0.05	0.0	0,59,0	0.02	7.22e-03	0.01232,207,207	0.10	232	0.0	0.0	0.0
	9.10e-03	8.78e-03	0.0	209,210,0	0.02	2.49e-03	2.49e-03232,210,210			1.00	0.04	0.96
3012	2.38e-03	0.06	0.0	228,59,0	0.02	7.63e-03	0.01232,207,207	0.09	232	0.87	0.06	0.94
	5.78e-03	4.32e-03	0.0	233,230,0	0.02	9.44e-04	9.44e-04 232,20,20			1.00	0.04	0.96
3015	8.67e-03	0.06	0.0	228,59,0	0.02	8.15e-03	0.0152,207,207	0.11	52	0.87	0.06	0.94
	7.62e-03	4.09e-03	0.0	209,19,0	0.02	1.53e-03	1.53e-03 52,20,20			1.00	0.04	0.96
3018	0.01	0.06	0.0	228,59,0	0.04	8.15e-03	0.0152,207,207	0.16	52	0.87	0.06	0.94
	0.01	7.68e-03	0.0	204,19,0	0.04	2.20e-03	2.20e-03 52,20,20			1.00	0.04	0.96
3036	0.01	0.04	0.0	228,231,0	0.04	8.15e-03	0.0152,207,207	0.16	52	0.87	0.06	0.94
	0.02	0.01	0.0	16,19,0	0.04	3.36e-03	3.36e-03 52,19,19			1.00	0.04	0.96
3039	0.03	0.02	0.0	229,57,0	0.03	7.53e-03	9.63e-0352,210,210	0.14	52	0.87	0.06	0.94
	0.03	0.02	0.0	18,19,0	0.03	0.02	0.0252,207,207			1.00	0.04	0.96
3042	0.03	0.02	0.0	229,230,0	0.01	7.53e-03	9.63e-03235,210,210	0.09	235	0.87	0.06	0.94
	0.03	0.02	0.0	18,19,0	0.01	0.02	0.02235,207,207			1.00	0.04	0.96
3752	0.03	0.04	0.0	229,230,0	0.02	0.01	0.02230,210,210	0.10	230	0.87	0.06	0.94
	0.04	0.05	0.0	229,230,0	0.02	0.02	0.02230,209,209			1.00	0.04	0.96
3753	0.02	0.03	0.0	229,232,0	0.02	0.01	0.02230,210,210	0.10	230	0.87	0.06	0.94
	0.03	0.04	0.0	231,228,0	0.02	0.02	0.02230,209,209			1.00	0.04	0.96
3754	0.01	0.02	0.0	229,57,0	0.01	8.59e-03	0.01230,204,204	0.09	230	0.87	0.06	0.94
	0.02	0.02	0.0	204,207,0	0.01	7.45e-03	7.45e-03230,204,204			1.00	0.04	0.96
3755	8.46e-03	0.02	0.0	207,57,0	0.01	8.59e-03	0.01230,204,204	0.08	230	0.87	0.06	0.94
	0.02	0.01	0.0	207,207,0	0.01	7.02e-03	7.02e-03230,224,224			1.00	0.04	0.96
3783	9.15e-03	0.02	0.0	230,57,0	0.01	8.26e-03	0.01230,204,204	0.09	230	0.87	0.06	0.94
	0.05	0.02	0.0	228,231,0	0.01	7.02e-03	7.02e-03230,224,224			1.00	0.04	0.96
3784	0.02	0.02	0.0	230,57,0	0.01	7.50e-03	7.57e-03230,210,209	0.09	230	0.87	0.06	0.94
	0.05	0.02	0.0	228,233,0	0.01	6.14e-03	6.14e-03230,208,208			1.00	0.04	0.96
3785	0.02	0.02	0.0	230,57,0	2.15e-03	7.50e-03	7.57e-03230,210,209	0.04	230	0.87	0.06	0.94
	0.04	0.02	0.0	230,233,0	2.15e-03	3.30e-03	3.30e-03230,234,234			1.00	0.04	0.96
4708	0.03	0.04	0.0	229,230,0	0.06	0.01	0.02230,210,210	0.19	230	0.87	0.06	0.94
	0.04	0.05	0.0	229,230,0	0.06	0.02	0.02230,209,209			1.00	0.04	0.96
4709	0.02	0.03	0.0	229,232,0	0.06	0.01	0.02230,210,210	0.19	230	0.87	0.06	0.94
	0.03	0.04	0.0	231,228,0	0.06	0.02	0.02230,209,209			1.00	0.04	0.96
4710	0.01	0.02	0.0	229,57,0	0.05	8.59e-03	0.01230,204,204	0.16	230	0.87	0.06	0.94
	0.02	0.02	0.0	204,207,0	0.05	7.45e-03	7.45e-03230,204,204			1.00	0.04	0.96
4711	0.01	0.02	0.0	207,57,0	0.04	8.59e-03	0.01230,204,204	0.16	230	0.87	0.06	0.94
	0.02	0.01	0.0	207,207,0	0.04	7.02e-03	7.02e-03230,224,224			1.00	0.04	0.96
4712	0.02	0.02	0.0	235,232,0	0.06	4.27e-03	4.27e-03230,209,209	0.19	230	0.87	0.06	0.94
	0.03	0.03	0.0	229,230,0	0.06	6.05e-03	6.05e-03230,208,208			1.00	0.04	0.96
4713	0.02	0.02	0.0	235,57,0	0.06	4.87e-03	7.63e-03230,209,204	0.19	230	0.87	0.06	0.94
	0.02	0.03	0.0	229,230,0	0.06	6.44e-03	6.44e-03230,207,207			1.00	0.04	0.96
4714	0.01	0.02	0.0	229,57,0	0.05	4.87e-03	7.63e-03230,209,204	0.16	230	0.87	0.06	0.94
	0.01	9.08e-03	0.0	204,207,0	0.05	6.44e-03	6.44e-03230,207,207			1.00	0.04	0.96
4715	0.01	0.02	0.0	210,57,0	0.04	1.36e-03	5.61e-03230,204,204	0.16	230	0.87	0.06	0.94
	0.01	9.08e-03	0.0	204,207,0	0.04	4.53e-03	4.53e-03230,207,207			1.00	0.04	0.96
4716	0.02	0.02	0.0	51,57,0	0.04	5.30e-03	6.36e-03235,209,209	0.15	235	0.87	0.06	0.94
	0.02	0.03	0.0	229,230,0	0.04	1.56e-03	1.56e-03235,209,209			1.00	0.04	0.96
4717	0.02	0.02	0.0	51,57,0	0.04	3.15e-03	6.36e-03233,209,209	0.15	233	0.87	0.06	0.94
	0.02	0.03	0.0	229,230,0	0.04	3.19e-03	3.19e-03233,207,207			1.00	0.04	0.96
4718	0.01	0.02	0.0	210,57,0	0.03	2.00e-03	5.76e-03233,209,209	0.14	233	0.87	0.06	0.94
	9.81e-03	0.01	0.0	230,210,0	0.03	3.86e-03	3.86e-03233,207,207			1.00	0.04	0.96
4719	0.01	0.02	0.0	210,57,0	0.03	1.51e-03	6.20e-03234,209,209	0.14	234	0.87	0.06	0.94
	0.01	7.21e-03	0.0	230,210,0	0.03	3.86e-03	3.86e-03234,207,207			1.00	0.04	0.96
4720	0.01	0.03	0.0	55,57,0	0.04	5.88e-03	8.12e-03235,209,209	0.16	235	0.87	0.06	0.94
	0.02	0.03	0.0	229,230,0	0.04	1.01e-03	1.01e-03235,217,217			1.00	0.04	0.96
4721	0.01	0.03	0.0	210,57,0	0.04	3.62e-03	8.01e-03233,209,209	0.16	233	0.87	0.06	0.94
	0.02	0.03	0.0	229,230,0	0.04	1.01e-03	1.01e-03233,217,217			1.00	0.04	0.96
4722	0.01	0.03	0.0	210,57,0	0.04	1.47e-03	7.01e-03233,209,209	0.15	233	0.87	0.06	0.94
	0.01	0.01	0.0	210,210,0	0.04	2.22e-03	2.22e-03233,204,204			1.00	0.04	0.96
4723	0.01	0.03	0.0	210,57,0	0.04	1.87e-03	7.21e-03235,209,209	0.14	235	0.87	0.06	0.94
	0.01	9.03e-03	0.0	230,210,0	0.04	2.22e-03	2.22e-03235,204,204			1.00	0.04	0.96
4724	4.71e-03	0.03	0.0	210,59,0	0.04	6.20e-03	9.15e-03235,209,209	0.16	235	0.87	0.06	0.94

	0.01	0.02	0.0 229,230,0	0.04	6.76e-04	6.76e-04235,210,210			1.00	0.04	0.96
4725	7.14e-03	0.03	0.0 210,59,0	0.04	3.74e-03	8.88e-03233,209,209	0.16	233	0.87	0.06	0.94
	0.01	0.02	0.0 229,230,0	0.04	6.78e-04	6.78e-04233,218,218			1.00	0.04	0.96
4726	7.21e-03	0.03	0.0 210,59,0	0.04	1.67e-03	7.93e-03233,209,209	0.15	233	0.87	0.06	0.94
	0.01	0.01	0.0 209,210,0	0.04	8.10e-04	8.10e-04233,208,208			1.00	0.04	0.96
4727	7.21e-03	0.03	0.0 210,59,0	0.04	2.04e-03	7.89e-03235,209,209	0.14	235	0.87	0.06	0.94
	0.01	9.03e-03	0.0 230,210,0	0.04	1.16e-03	1.16e-03235,204,204			1.00	0.04	0.96
4728	9.15e-03	0.02	0.0 230,57,0	0.04	8.26e-03	0.01230,204,204	0.16	230	0.87	0.06	0.94
	0.05	0.02	0.0 228,231,0	0.04	7.02e-03	7.02e-03230,224,224			1.00	0.04	0.96
4729	0.02	0.02	0.0 230,57,0	0.04	7.50e-03	7.57e-03230,210,209	0.16	230	0.87	0.06	0.94
	0.05	0.02	0.0 228,233,0	0.04	6.14e-03	6.14e-03230,208,208			1.00	0.04	0.96
4730	0.02	0.02	0.0 230,57,0	0.03	7.50e-03	7.57e-03230,210,209	0.13	230	0.87	0.06	0.94
	0.04	0.02	0.0 230,233,0	0.03	3.30e-03	3.30e-03230,234,234			1.00	0.04	0.96
4731	8.55e-03	0.02	0.0 209,57,0	0.04	3.87e-03	7.33e-03230,204,209	0.16	230	0.87	0.06	0.94
	0.04	0.01	0.0 230,233,0	0.04	3.03e-03	3.03e-03230,211,211			1.00	0.04	0.96
4732	6.21e-03	0.02	0.0 210,57,0	0.04	5.33e-03	7.33e-03230,209,209	0.16	230	0.87	0.06	0.94
	0.04	0.01	0.0 230,229,0	0.04	1.94e-03	1.94e-03230,210,210			1.00	0.04	0.96
4733	5.94e-03	0.02	0.0 230,57,0	0.03	5.33e-03	7.10e-03230,209,209	0.13	230	0.87	0.06	0.94
	0.04	0.01	0.0 230,229,0	0.03	1.94e-03	1.94e-03230,210,210			1.00	0.04	0.96
4734	8.55e-03	0.02	0.0 209,57,0	0.03	3.35e-03	7.16e-03234,209,209	0.14	234	0.87	0.06	0.94
	0.03	9.68e-03	0.0 230,229,0	0.03	2.80e-03	2.80e-03234,204,204			1.00	0.04	0.96
4735	4.07e-03	0.03	0.0 209,57,0	0.03	5.50e-03	7.50e-03234,209,209	0.14	234	0.87	0.06	0.94
	0.03	9.68e-03	0.0 230,229,0	0.03	1.81e-03	1.81e-03234,207,207			1.00	0.04	0.96
4736	0.0	0.03	0.0 0,57,0	0.02	5.50e-03	7.50e-03235,209,209	0.12	235	0.0	0.0	0.0
	0.03	8.89e-03	0.0 230,229,0	0.02	9.12e-04	235,4,4			1.00	0.04	0.96
4737	7.36e-03	0.03	0.0 210,57,0	0.03	3.65e-03	7.82e-03235,209,209	0.14	235	0.87	0.06	0.94
	0.03	8.36e-03	0.0 230,229,0	0.03	2.18e-03	2.18e-03235,204,204			1.00	0.04	0.96
4738	2.50e-03	0.03	0.0 210,57,0	0.03	5.70e-03	7.82e-03235,209,209	0.14	235	0.87	0.06	0.94
	0.03	8.36e-03	0.0 230,229,0	0.03	1.47e-03	1.47e-03235,211,211			1.00	0.04	0.96
4739	0.0	0.03	0.0 0,57,0	0.03	5.70e-03	7.79e-03235,209,209	0.13	235	0.0	0.0	0.0
	0.02	4.91e-03	0.0 230,229,0	0.03	3.99e-04	3.99e-04 235,18,18			1.00	0.04	0.96
4740	5.19e-03	0.03	0.0 210,59,0	0.03	3.85e-03	8.33e-03235,209,209	0.14	235	0.87	0.06	0.94
	0.03	7.67e-03	0.0 230,229,0	0.03	1.16e-03	1.16e-03235,204,204			1.00	0.04	0.96
4741	0.0	0.03	0.0 0,59,0	0.03	6.03e-03	8.33e-03235,209,209	0.14	235	0.0	0.0	0.0
	0.03	7.67e-03	0.0 230,229,0	0.03	9.93e-04	9.93e-04235,204,204			1.00	0.04	0.96
4742	0.0	0.03	0.0 0,59,0	0.03	6.03e-03	8.28e-03235,209,209	0.13	235	0.0	0.0	0.0
	0.02	1.45e-03	0.0 230,229,0	0.03	2.87e-04	2.87e-04235,220,220			1.00	0.04	0.96
4743	0.0	0.03	0.0 0,59,0	0.04	6.20e-03	9.15e-03235,209,209	0.14	235	0.0	0.0	0.0
	0.01	0.02	0.0 229,230,0	0.04	2.97e-03	2.97e-03235,209,209			1.00	0.04	0.96
4744	2.97e-03	0.03	0.0 210,59,0	0.04	3.92e-03	8.88e-03235,205,209	0.14	235	0.87	0.06	0.94
	0.01	0.02	0.0 229,230,0	0.04	9.00e-04	9.00e-04235,210,210			1.00	0.04	0.96
4745	4.50e-03	0.03	0.0 210,59,0	0.03	1.92e-03	7.93e-03235,205,209	0.14	235	0.87	0.06	0.94
	0.01	0.01	0.0 209,210,0	0.03	1.01e-03	1.01e-03235,207,207			1.00	0.04	0.96
4746	4.50e-03	0.03	0.0 210,59,0	0.03	2.04e-03	7.89e-03235,209,209	0.14	235	0.87	0.06	0.94
	0.01	8.81e-03	0.0 230,210,0	0.03	1.01e-03	1.01e-03235,207,207			1.00	0.04	0.96
4747	0.0	0.05	0.0 0,59,0	0.03	5.47e-03	9.73e-03235,208,211	0.13	235	0.0	0.0	0.0
	0.01	0.02	0.0 229,230,0	0.03	2.97e-03	2.97e-03235,209,209			1.00	0.04	0.96
4748	0.0	0.05	0.0 0,59,0	0.03	4.21e-03	9.73e-03235,208,211	0.13	235	0.0	0.0	0.0
	0.01	0.02	0.0 229,230,0	0.03	9.83e-04	9.83e-04235,210,210			1.00	0.04	0.96
4749	2.93e-03	0.04	0.0 207,59,0	0.03	2.11e-03	8.83e-03235,208,208	0.13	235	0.87	0.06	0.94
	0.01	9.88e-03	0.0 209,210,0	0.03	1.13e-03	1.13e-03235,210,210			1.00	0.04	0.96
4750	3.25e-03	0.04	0.0 207,59,0	0.03	2.32e-03	8.64e-03235,207,204	0.13	235	0.87	0.06	0.94
	0.01	8.54e-03	0.0 210,22,0	0.03	1.13e-03	1.13e-03235,210,210			1.00	0.04	0.96
4751	0.0	0.05	0.0 0,59,0	0.02	6.24e-03	0.01235,207,207	0.11	235	0.0	0.0	0.0
	0.01	0.01	0.0 229,230,0	0.02	2.49e-03	2.49e-03235,210,210			1.00	0.04	0.96
4752	0.0	0.05	0.0 0,59,0	0.02	4.29e-03	0.01235,207,207	0.11	235	0.0	0.0	0.0
	0.01	0.01	0.0 229,230,0	0.02	1.19e-03	1.19e-03235,210,210			1.00	0.04	0.96
4753	0.0	0.04	0.0 0,59,0	0.02	2.11e-03	9.35e-03235,208,207	0.10	235	0.0	0.0	0.0
	9.04e-03	9.16e-03	0.0 209,18,0	0.02	1.18e-03	1.18e-03 235,18,18			1.00	0.04	0.96
4754	3.06e-03	0.04	0.0 207,59,0	0.02	2.41e-03	9.06e-03235,207,207	0.10	235	0.87	0.06	0.94
	0.01	8.54e-03	0.0 44,22,0	0.02	1.18e-03	1.18e-03 235,18,18			1.00	0.04	0.96
4755	0.0	0.05	0.0 0,59,0	0.02	7.22e-03	0.01232,207,207	0.10	232	0.0	0.0	0.0
	0.01	0.01	0.0 229,230,0	0.02	2.49e-03	2.49e-03232,210,210			1.00	0.04	0.96
4756	2.58e-03	0.05	0.0 220,59,0	0.02	4.43e-03	0.01232,207,207	0.10	232	0.87	0.06	0.94
	0.01	0.01	0.0 229,230,0	0.02	2.27e-03	2.27e-03 232,18,18			1.00	0.04	0.96
4757	4.30e-03	0.05	0.0 204,59,0	0.02	2.09e-03	0.01232,204,207	0.10	232	0.87	0.06	0.94
	8.14e-03	7.98e-03	0.0 221,18,0	0.02	2.55e-03	2.55e-03 232,18,18			1.00	0.04	0.96
4758	4.30e-03	0.04	0.0 204,59,0	0.02	2.52e-03	9.80e-03232,207,207	0.10	232	0.87	0.06	0.94
	0.01	7.84e-03	0.0 44,19,0	0.02	2.55e-03	2.55e-03 232,18,18			1.00	0.04	0.96
4759	5.55e-03	0.06	0.0 220,59,0	0.02	7.63e-03	0.01232,207,207	0.10	232	0.87	0.06	0.94
	0.01	9.09e-03	0.0 233,234,0	0.02	2.78e-03	2.78e-03 232,20,20			1.00	0.04	0.96
4760	7.67e-03	0.05	0.0 220,59,0	0.02	4.80e-03	0.01232,207,207	0.10	232	0.87	0.06	0.94
	0.01	9.09e-03	0.0 233,234,0	0.02	4.11e-03	4.11e-03 232,16,16			1.00	0.04	0.96
4761	7.67e-03	0.05	0.0 220,59,0	0.02	1.98e-03	0.01232,207,207	0.10	232	0.87	0.06	0.94
	0.01	8.81e-03	0.0 233,15,0	0.02	4.63e-03	4.63e-03 232,18,18			1.00	0.04	0.96

4762	7.41e-03	0.05	0.0	220,59,0	0.02	2.64e-03	0.01232,207,207	0.10	232	0.87	0.06	0.94
	9.77e-03	8.81e-03	0.0	233,15,0	0.02	4.63e-03	4.63e-03 232,18,18			1.00	0.04	0.96
4763	0.01	0.06	0.0	220,59,0	0.02	8.15e-03	0.0152,207,207	0.11	52	0.87	0.06	0.94
	0.01	0.01	0.0	233,18,0	0.02	4.43e-03	4.43e-03 52,20,20			1.00	0.04	0.96
4764	0.01	0.05	0.0	220,59,0	0.02	5.17e-03	0.0152,207,207	0.12	52	0.87	0.06	0.94
	0.02	0.02	0.0	16,15,0	0.02	6.61e-03	6.61e-03 52,20,20			1.00	0.04	0.96
4765	0.01	0.05	0.0	220,59,0	0.02	2.01e-03	0.0152,207,207	0.12	52	0.87	0.06	0.94
	0.02	0.02	0.0	18,15,0	0.02	7.48e-03	7.48e-03 52,18,18			1.00	0.04	0.96
4766	0.01	0.05	0.0	220,59,0	0.02	2.64e-03	0.0152,207,207	0.12	52	0.87	0.06	0.94
	0.02	0.02	0.0	18,15,0	0.02	7.48e-03	7.48e-03 52,18,18			1.00	0.04	0.96
4767	0.01	0.06	0.0	220,59,0	0.04	8.15e-03	0.0152,207,207	0.16	52	0.87	0.06	0.94
	0.03	0.02	0.0	16,20,0	0.04	6.54e-03	6.54e-03 52,20,20			1.00	0.04	0.96
4768	0.02	0.05	0.0	220,59,0	0.04	5.73e-03	0.0152,207,207	0.15	52	0.87	0.06	0.94
	0.04	0.03	0.0	16,15,0	0.04	9.71e-03	9.71e-03 52,20,20			1.00	0.04	0.96
4769	0.02	0.05	0.0	220,59,0	0.04	3.05e-03	0.0152,207,207	0.15	52	0.87	0.06	0.94
	0.04	0.04	0.0	18,15,0	0.04	0.01	0.01 52,22,22			1.00	0.04	0.96
4770	0.02	0.05	0.0	220,59,0	0.04	2.45e-03	0.0152,207,207	0.14	52	0.87	0.06	0.94
	0.04	0.04	0.0	18,15,0	0.04	0.01	0.01 52,22,22			1.00	0.04	0.96
4771	3.63e-03	0.03	0.0	210,59,0	0.03	3.85e-03	8.33e-03235,209,209	0.13	235	0.87	0.06	0.94
	0.03	6.90e-03	0.0	230,19,0	0.03	7.28e-04	7.28e-04235,207,207			1.00	0.04	0.96
4772	0.0	0.03	0.0	0,59,0	0.03	6.08e-03	8.33e-03235,205,209	0.13	235	0.0	0.0	0.0
	0.03	6.83e-03	0.0	230,229,0	0.03	1.30e-03	1.30e-03235,209,209			1.00	0.04	0.96
4773	0.0	0.03	0.0	0,59,0	0.02	6.08e-03	8.28e-03235,205,209	0.12	235	0.0	0.0	0.0
	0.02	7.83e-04	0.0	52,209,0	0.02	1.30e-03	1.30e-03235,209,209			1.00	0.04	0.96
4774	3.25e-03	0.03	0.0	207,59,0	0.03	4.35e-03	9.00e-03235,207,208	0.13	235	0.87	0.06	0.94
	0.02	7.49e-03	0.0	230,19,0	0.03	9.86e-04	9.86e-04235,210,210			1.00	0.04	0.96
4775	0.0	0.03	0.0	0,59,0	0.03	6.08e-03	9.00e-03235,205,208	0.12	235	0.0	0.0	0.0
	0.02	5.93e-03	0.0	230,229,0	0.03	1.30e-03	1.30e-03235,209,209			1.00	0.04	0.96
4776	0.0	0.03	0.0	0,57,0	0.02	6.08e-03	8.28e-03235,205,208	0.12	235	0.0	0.0	0.0
	0.02	1.48e-03	0.0	210,209,0	0.02	1.30e-03	1.30e-03235,209,209			1.00	0.04	0.96
4777	3.06e-03	0.04	0.0	207,59,0	0.02	4.43e-03	9.43e-03232,207,207	0.10	232	0.87	0.06	0.94
	0.02	7.49e-03	0.0	230,19,0	0.02	1.16e-03	1.16e-03232,210,210			1.00	0.04	0.96
4778	0.0	0.03	0.0	0,59,0	0.01	6.37e-03	9.43e-03232,207,207	0.09	232	0.0	0.0	0.0
	0.02	4.18e-03	0.0	230,229,0	0.01	1.93e-03	1.93e-03232,207,207			1.00	0.04	0.96
4779	0.0	0.03	0.0	0,59,0	0.01	6.37e-03	8.85e-03232,207,207	0.08	232	0.0	0.0	0.0
	0.02	1.48e-03	0.0	52,209,0	0.01	1.93e-03	1.93e-03232,207,207			1.00	0.04	0.96
4780	0.0	0.04	0.0	0,59,0	0.02	4.52e-03	0.01232,207,207	0.10	232	0.0	0.0	0.0
	0.01	7.08e-03	0.0	44,19,0	0.02	2.31e-03	2.31e-03 232,18,18			1.00	0.04	0.96
4781	0.0	0.04	0.0	0,59,0	0.01	6.82e-03	0.01232,207,207	0.09	232	0.0	0.0	0.0
	0.02	3.58e-03	0.0	52,19,0	0.01	1.93e-03	1.93e-03232,207,207			1.00	0.04	0.96
4782	0.0	0.03	0.0	0,59,0	0.01	6.82e-03	9.50e-03232,207,207	0.08	232	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	0.01	1.93e-03	1.93e-03232,207,207			1.00	0.04	0.96
4783	5.11e-03	0.04	0.0	220,59,0	0.01	4.81e-03	0.01232,207,207	0.09	232	0.87	0.06	0.94
	0.01	8.46e-03	0.0	234,19,0	0.01	4.20e-03	4.20e-03 232,17,17			1.00	0.04	0.96
4784	0.0	0.04	0.0	0,59,0	0.01	7.14e-03	0.01232,207,207	0.09	232	0.0	0.0	0.0
	0.02	5.32e-03	0.0	52,19,0	0.01	2.92e-03	2.92e-03 232,17,17			1.00	0.04	0.96
4785	0.0	0.03	0.0	0,59,0	0.01	7.14e-03	9.99e-03232,207,207	0.08	232	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	0.01	1.15e-03	1.15e-03232,210,210			1.00	0.04	0.96
4786	8.93e-03	0.04	0.0	220,59,0	0.02	5.05e-03	0.0152,207,207	0.11	52	0.87	0.06	0.94
	0.02	0.02	0.0	233,15,0	0.02	6.73e-03	6.73e-03 52,17,17			1.00	0.04	0.96
4787	4.21e-03	0.04	0.0	220,59,0	0.02	8.04e-03	0.0152,207,207	0.11	52	0.87	0.06	0.94
	0.02	0.01	0.0	234,19,0	0.02	4.61e-03	4.61e-03 52,17,17			1.00	0.04	0.96
4788	0.0	0.03	0.0	0,59,0	0.02	8.04e-03	0.0152,207,207	0.10	52	0.0	0.0	0.0
	0.02	2.67e-03	0.0	227,19,0	0.02	1.54e-03	1.54e-03 52,15,15			1.00	0.04	0.96
4789	0.01	0.04	0.0	220,59,0	0.03	5.59e-03	0.0152,207,207	0.14	52	0.87	0.06	0.94
	0.04	0.04	0.0	18,15,0	0.03	9.91e-03	9.91e-03 52,19,19			1.00	0.04	0.96
4790	7.63e-03	0.04	0.0	220,59,0	0.03	9.86e-03	0.0152,207,207	0.13	52	0.87	0.06	0.94
	0.03	0.03	0.0	18,19,0	0.03	6.66e-03	6.66e-03 52,19,19			1.00	0.04	0.96
4791	0.0	0.03	0.0	0,59,0	0.03	9.86e-03	0.0152,207,207	0.13	52	0.0	0.0	0.0
	0.02	7.42e-03	0.0	18,19,0	0.03	2.06e-03	2.06e-03 52,19,19			1.00	0.04	0.96
4792	0.01	0.04	0.0	220,223,0	0.04	8.15e-03	0.0152,207,207	0.16	52	0.87	0.06	0.94
	0.05	0.04	0.0	20,20,0	0.04	9.27e-03	9.27e-03 52,21,21			1.00	0.04	0.96
4793	0.02	0.04	0.0	204,223,0	0.04	8.68e-03	0.0252,207,207	0.15	52	0.87	0.06	0.94
	0.07	0.06	0.0	20,20,0	0.04	0.01	0.01 52,22,22			1.00	0.04	0.96
4794	0.02	0.04	0.0	204,223,0	0.04	8.68e-03	0.0252,207,207	0.15	52	0.87	0.06	0.94
	0.08	0.07	0.0	18,15,0	0.04	0.01	0.01 52,20,20			1.00	0.04	0.96
4795	0.02	0.04	0.0	204,223,0	0.04	2.22e-03	0.0152,207,207	0.14	52	0.87	0.06	0.94
	0.08	0.07	0.0	18,15,0	0.04	0.01	0.01 52,20,20			1.00	0.04	0.96
4796	0.03	0.02	0.0	229,230,0	0.03	0.01	0.0152,207,210	0.14	52	0.87	0.06	0.94
	0.08	0.06	0.0	22,22,0	0.03	0.02	0.0252,210,210			1.00	0.04	0.96
4797	0.04	0.03	0.0	209,210,0	0.03	0.01	0.0252,207,207	0.14	52	0.87	0.06	0.94
	0.11	0.09	0.0	22,22,0	0.03	0.02	0.0252,210,210			1.00	0.04	0.96
4798	0.06	0.06	0.0	209,210,0	0.03	0.02	0.0452,207,210	0.14	52	0.87	0.06	0.94
	0.12	0.10	0.0	20,20,0	0.03	0.02	0.0252,207,207			1.00	0.04	0.96
4799	0.06	0.06	0.0	209,210,0	0.03	0.02	0.0452,207,210	0.13	52	0.87	0.06	0.94

	0.12	0.10	0.0	20,20,0	0.03	0.03	0.0352,207,207			1.00	0.04	0.96
4800	0.03	0.02	0.0	229,230,0	0.01	0.01	0.01235,207,210	0.09	235	0.87	0.06	0.94
	0.08	0.06	0.0	22,22,0	0.01	0.02	0.02235,210,210			1.00	0.04	0.96
4801	0.04	0.03	0.0	209,210,0	0.01	0.01	0.0252,207,207	0.09	52	0.87	0.06	0.94
	0.11	0.09	0.0	22,22,0	0.01	0.02	0.0252,210,210			1.00	0.04	0.96
4802	0.06	0.06	0.0	209,210,0	0.02	0.02	0.0452,207,210	0.09	52	0.87	0.06	0.94
	0.12	0.10	0.0	20,20,0	0.02	0.02	0.0252,207,207			1.00	0.04	0.96
4803	0.06	0.06	0.0	209,210,0	0.02	0.02	0.04223,207,210	0.10	223	0.87	0.06	0.94
	0.12	0.10	0.0	20,20,0	0.02	0.03	0.03223,207,207			1.00	0.04	0.96
4804	0.02	0.03	0.0	204,223,0	0.03	9.03e-03	0.0252,207,207	0.14	52	0.87	0.06	0.94
	0.07	0.06	0.0	17,15,0	0.03	0.01	0.01 52,20,20			1.00	0.04	0.96
4805	0.01	0.03	0.0	204,57,0	0.03	0.01	0.0252,207,207	0.13	52	0.87	0.06	0.94
	0.05	0.04	0.0	18,19,0	0.03	9.19e-03	9.19e-03 52,20,20			1.00	0.04	0.96
4806	2.13e-03	0.03	0.0	204,57,0	0.03	0.01	0.0152,207,207	0.13	52	0.87	0.06	0.94
	0.02	0.01	0.0	17,20,0	0.03	2.57e-03	2.57e-0352,207,207			1.00	0.04	0.96
4807	0.05	0.05	0.0	209,210,0	0.03	0.02	0.0452,207,207	0.13	52	0.87	0.06	0.94
	0.11	0.09	0.0	20,20,0	0.03	0.03	0.0352,207,207			1.00	0.04	0.96
4808	0.02	0.03	0.0	209,210,0	0.03	0.01	0.0252,207,207	0.13	52	0.87	0.06	0.94
	0.08	0.07	0.0	19,20,0	0.03	0.01	0.01 52,20,20			1.00	0.04	0.96
4809	5.66e-03	0.02	0.0	209,57,0	0.02	0.01	0.0152,207,207	0.12	52	0.87	0.06	0.94
	0.02	0.01	0.0	17,20,0	0.02	4.11e-03	4.11e-0352,210,210			1.00	0.04	0.96
4810	0.05	0.05	0.0	209,210,0	0.02	0.02	0.04223,207,207	0.10	223	0.87	0.06	0.94
	0.11	0.09	0.0	20,20,0	0.02	0.03	0.03223,207,207			1.00	0.04	0.96
4811	0.02	0.03	0.0	209,210,0	0.02	0.01	0.02223,207,207	0.10	223	0.87	0.06	0.94
	0.08	0.07	0.0	19,20,0	0.02	0.01	0.01 223,20,20			1.00	0.04	0.96
4812	5.66e-03	0.01	0.0	209,57,0	0.02	6.24e-03	8.46e-03223,207,207	0.10	223	0.87	0.06	0.94
	0.01	0.01	0.0	19,20,0	0.02	4.11e-03	4.11e-03223,210,210			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26			
	0.12	0.10	0.0		0.06	0.03	0.04		0.19			

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
124	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.30	-74.7	194	0.25	-61.5	194	0.36	-1.542e+04	2.790e+06	225

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2028	0.03	0.04	0.0	229,230,0	2.33e-03	5.97e-03	0.01234,210,210	0.04	234	0.87	0.06	0.94	
	0.04	0.04	0.0	223,220,0	2.32e-03	0.02	0.02234,210,210			1.00	0.04	0.96	
3174	0.03	0.04	0.0	229,230,0	0.04	5.97e-03	0.01226,210,210	0.16	226	0.87	0.06	0.94	
	0.04	0.04	0.0	223,220,0	0.04	0.02	0.02226,210,210			1.00	0.04	0.96	
3177	0.02	0.02	0.0	225,226,0	0.04	4.65e-03	4.65e-03226,209,209	0.16	226	0.87	0.06	0.94	
	0.03	0.04	0.0	229,230,0	0.04	2.53e-03	2.53e-03226,232,232			1.00	0.04	0.96	
3180	0.02	0.01	0.0	51,57,0	0.04	5.52e-03	6.82e-03225,209,209	0.15	225	0.87	0.06	0.94	
	0.02	0.03	0.0	229,230,0	0.04	2.13e-03	2.13e-03225,230,230			1.00	0.04	0.96	
3183	0.01	0.02	0.0	55,57,0	0.04	5.97e-03	8.46e-03225,209,209	0.16	225	0.87	0.06	0.94	
	0.02	0.02	0.0	229,230,0	0.04	1.45e-03	1.45e-03225,210,210			1.00	0.04	0.96	
3186	1.15e-03	0.03	0.0	210,59,0	0.04	6.18e-03	9.36e-03225,210,209	0.16	225	0.87	0.06	0.94	
	0.01	0.02	0.0	229,230,0	0.04	6.11e-04	6.11e-04225,208,208			1.00	0.04	0.96	
3217	0.0	0.03	0.0	0,59,0	0.04	6.18e-03	9.36e-03225,210,209	0.15	225	0.0	0.0	0.0	
	0.01	0.01	0.0	209,210,0	0.04	3.06e-03	3.06e-03225,204,204			1.00	0.04	0.96	
3220	0.0	0.05	0.0	0,59,0	0.03	5.93e-03	8.86e-03225,210,209	0.13	225	0.0	0.0	0.0	
	0.01	0.01	0.0	209,210,0	0.03	3.06e-03	3.06e-03225,204,204			1.00	0.04	0.96	
3223	0.0	0.05	0.0	0,59,0	0.02	6.36e-03	9.90e-03225,207,207	0.11	225	0.0	0.0	0.0	
	0.01	0.01	0.0	205,206,0	0.02	2.20e-03	2.20e-03225,207,207			1.00	0.04	0.96	
3226	0.0	0.05	0.0	0,59,0	0.02	7.20e-03	0.01226,207,207	0.10	226	0.0	0.0	0.0	
	8.63e-03	7.67e-03	0.0	205,206,0	0.02	2.20e-03	2.20e-03226,207,207			1.00	0.04	0.96	
3229	9.86e-04	0.06	0.0	226,59,0	0.01	7.56e-03	0.01226,204,207	0.09	226	0.87	0.06	0.94	
	6.94e-03	3.97e-03	0.0	233,230,0	0.01	1.07e-03	1.07e-03 226,18,18			1.00	0.04	0.96	
3232	7.51e-03	0.06	0.0	226,59,0	0.02	8.05e-03	0.0152,204,207	0.11	52	0.87	0.06	0.94	
	8.60e-03	4.07e-03	0.0	209,19,0	0.02	1.79e-03	1.79e-03 52,18,18			1.00	0.04	0.96	
3235	0.01	0.06	0.0	226,59,0	0.04	8.05e-03	0.0152,204,207	0.15	52	0.87	0.06	0.94	
	0.01	8.16e-03	0.0	204,19,0	0.04	2.70e-03	2.70e-03 52,18,18			1.00	0.04	0.96	
3253	0.01	0.04	0.0	220,225,0	0.04	8.00e-03	0.0152,204,207	0.15	52	0.87	0.06	0.94	
	0.02	0.01	0.0	18,20,0	0.04	3.52e-03	3.52e-03 52,21,21			1.00	0.04	0.96	
3256	0.03	0.02	0.0	229,57,0	0.03	0.01	0.0152,204,220	0.14	52	0.87	0.06	0.94	
	0.03	0.02	0.0	18,19,0	0.03	0.02	0.0252,209,209			1.00	0.04	0.96	

3259	0.03	0.01	0.0 229,230,0	0.01	0.01	0.01229,204,220	0.09	229	0.87	0.06	0.94
	0.03	0.02	0.0 18,19,0	0.01	0.02	0.02229,209,209			1.00	0.04	0.96
3848	0.03	0.04	0.0 229,230,0	0.01	0.01	0.02234,210,210	0.09	234	0.87	0.06	0.94
	0.04	0.04	0.0 223,220,0	0.01	0.02	0.02234,210,210			1.00	0.04	0.96
3849	0.02	0.03	0.0 229,230,0	0.01	0.01	0.02234,210,210	0.09	234	0.87	0.06	0.94
	0.03	0.04	0.0 223,220,0	0.01	0.01	0.01234,210,210			1.00	0.04	0.96
3850	0.02	0.03	0.0 229,57,0	0.01	9.62e-03	0.01226,204,204	0.08	226	0.87	0.06	0.94
	0.03	0.03	0.0 220,223,0	0.01	8.71e-03	8.71e-03226,220,220			1.00	0.04	0.96
3851	0.02	0.03	0.0 209,57,0	0.01	0.01	0.01226,204,204	0.08	226	0.87	0.06	0.94
	0.03	0.02	0.0 220,223,0	0.01	6.29e-03	6.29e-03 226,52,52			1.00	0.04	0.96
3882	0.01	0.02	0.0 204,57,0	0.01	0.01	0.01226,204,180	0.09	226	0.87	0.06	0.94
	0.05	0.03	0.0 220,223,0	0.01	9.38e-03	9.38e-03226,228,228			1.00	0.04	0.96
3883	0.01	0.02	0.0 226,57,0	0.01	9.31e-03	0.01226,210,210	0.09	226	0.87	0.06	0.94
	0.05	0.03	0.0 220,223,0	0.01	9.38e-03	9.38e-03226,228,228			1.00	0.04	0.96
3884	0.01	0.02	0.0 226,57,0	1.87e-03	9.31e-03	0.01226,210,210	0.03	226	0.87	0.06	0.94
	0.04	0.02	0.0 226,225,0	1.87e-03	5.24e-03	5.24e-03226,230,230			1.00	0.04	0.96
4911	0.03	0.04	0.0 229,230,0	0.05	0.01	0.02226,210,210	0.17	226	0.87	0.06	0.94
	0.04	0.04	0.0 223,220,0	0.05	0.02	0.02226,210,210			1.00	0.04	0.96
4912	0.02	0.03	0.0 229,230,0	0.05	0.01	0.02226,210,210	0.17	226	0.87	0.06	0.94
	0.03	0.04	0.0 223,220,0	0.05	0.01	0.01226,210,210			1.00	0.04	0.96
4913	0.02	0.03	0.0 229,57,0	0.04	9.62e-03	0.01226,204,204	0.15	226	0.87	0.06	0.94
	0.03	0.03	0.0 220,223,0	0.04	8.71e-03	8.71e-03226,220,220			1.00	0.04	0.96
4914	0.02	0.03	0.0 209,57,0	0.04	0.01	0.01226,204,204	0.15	226	0.87	0.06	0.94
	0.03	0.02	0.0 220,223,0	0.04	6.29e-03	6.29e-03 226,52,52			1.00	0.04	0.96
4915	0.02	0.02	0.0 225,226,0	0.05	4.65e-03	4.65e-03226,209,209	0.17	226	0.87	0.06	0.94
	0.03	0.04	0.0 229,234,0	0.05	5.59e-03	5.59e-03226,204,204			1.00	0.04	0.96
4916	0.02	0.02	0.0 221,57,0	0.05	4.21e-03	6.45e-03226,209,210	0.17	226	0.87	0.06	0.94
	0.03	0.04	0.0 233,234,0	0.05	5.95e-03	5.95e-03226,207,207			1.00	0.04	0.96
4917	0.02	0.02	0.0 221,57,0	0.04	4.21e-03	6.45e-03226,209,210	0.15	226	0.87	0.06	0.94
	0.02	0.01	0.0 220,223,0	0.04	5.95e-03	5.95e-03226,207,207			1.00	0.04	0.96
4918	0.01	0.02	0.0 209,57,0	0.04	1.22e-03	5.65e-03226,209,209	0.15	226	0.87	0.06	0.94
	0.02	0.01	0.0 220,223,0	0.04	5.40e-03	5.40e-03226,207,207			1.00	0.04	0.96
4919	0.02	0.02	0.0 51,57,0	0.04	5.52e-03	6.82e-03225,209,209	0.15	225	0.87	0.06	0.94
	0.02	0.03	0.0 229,230,0	0.04	2.13e-03	2.13e-03225,230,230			1.00	0.04	0.96
4920	0.02	0.02	0.0 55,57,0	0.04	3.32e-03	6.73e-03225,209,209	0.15	225	0.87	0.06	0.94
	0.02	0.03	0.0 229,230,0	0.04	3.19e-03	3.19e-03225,207,207			1.00	0.04	0.96
4921	0.01	0.02	0.0 210,57,0	0.04	1.86e-03	6.07e-03225,209,209	0.15	225	0.87	0.06	0.94
	0.01	0.01	0.0 226,210,0	0.04	3.94e-03	3.94e-03225,207,207			1.00	0.04	0.96
4922	0.01	0.02	0.0 209,57,0	0.03	1.63e-03	6.50e-03225,209,209	0.14	225	0.87	0.06	0.94
	0.01	8.74e-03	0.0 220,210,0	0.03	3.94e-03	3.94e-03225,207,207			1.00	0.04	0.96
4923	0.01	0.03	0.0 210,57,0	0.04	5.97e-03	8.46e-03225,209,209	0.16	225	0.87	0.06	0.94
	0.02	0.03	0.0 229,230,0	0.04	1.45e-03	1.45e-03225,210,210			1.00	0.04	0.96
4924	0.01	0.03	0.0 210,57,0	0.04	3.70e-03	8.34e-03225,209,209	0.16	225	0.87	0.06	0.94
	0.02	0.03	0.0 229,230,0	0.04	1.59e-03	1.59e-03225,223,223			1.00	0.04	0.96
4925	0.01	0.03	0.0 210,57,0	0.04	1.57e-03	7.35e-03225,209,209	0.15	225	0.87	0.06	0.94
	0.01	0.01	0.0 209,210,0	0.04	2.13e-03	2.13e-03225,204,204			1.00	0.04	0.96
4926	0.01	0.03	0.0 210,57,0	0.04	1.92e-03	7.46e-03225,210,209	0.15	225	0.87	0.06	0.94
	0.01	9.94e-03	0.0 230,210,0	0.04	2.13e-03	2.13e-03225,204,204			1.00	0.04	0.96
4927	6.26e-03	0.03	0.0 210,59,0	0.04	6.18e-03	9.36e-03225,210,209	0.16	225	0.87	0.06	0.94
	0.02	0.02	0.0 229,230,0	0.04	8.91e-04	8.91e-04225,234,234			1.00	0.04	0.96
4928	8.56e-03	0.03	0.0 210,59,0	0.04	3.81e-03	9.16e-03225,209,209	0.16	225	0.87	0.06	0.94
	0.02	0.02	0.0 229,230,0	0.04	9.84e-04	9.84e-04225,234,234			1.00	0.04	0.96
4929	8.56e-03	0.03	0.0 210,59,0	0.04	1.75e-03	8.21e-03225,209,209	0.15	225	0.87	0.06	0.94
	0.01	0.01	0.0 209,210,0	0.04	9.87e-04	9.87e-04225,220,220			1.00	0.04	0.96
4930	8.41e-03	0.03	0.0 210,59,0	0.04	2.08e-03	8.07e-03225,210,209	0.15	225	0.87	0.06	0.94
	0.01	9.94e-03	0.0 230,210,0	0.04	9.87e-04	9.87e-04225,220,220			1.00	0.04	0.96
4931	0.01	0.02	0.0 204,57,0	0.04	0.01	0.01226,204,180	0.15	226	0.87	0.06	0.94
	0.05	0.03	0.0 220,223,0	0.04	9.38e-03	9.38e-03226,228,228			1.00	0.04	0.96
4932	0.01	0.02	0.0 226,57,0	0.04	9.31e-03	0.01226,210,210	0.15	226	0.87	0.06	0.94
	0.05	0.03	0.0 220,223,0	0.04	9.38e-03	9.38e-03226,228,228			1.00	0.04	0.96
4933	0.01	0.02	0.0 226,57,0	0.02	9.31e-03	0.01226,210,210	0.12	226	0.87	0.06	0.94
	0.04	0.02	0.0 226,225,0	0.02	5.24e-03	5.24e-03226,230,230			1.00	0.04	0.96
4934	0.01	0.02	0.0 209,57,0	0.04	4.06e-03	7.41e-03226,204,209	0.15	226	0.87	0.06	0.94
	0.04	0.02	0.0 226,225,0	0.04	3.63e-03	3.63e-03226,223,223			1.00	0.04	0.96
4935	5.47e-03	0.02	0.0 210,57,0	0.04	5.32e-03	7.41e-03226,209,209	0.15	226	0.87	0.06	0.94
	0.04	0.02	0.0 226,225,0	0.04	2.68e-03	2.68e-03226,210,210			1.00	0.04	0.96
4936	5.13e-03	0.02	0.0 230,57,0	0.02	5.32e-03	7.10e-03226,209,209	0.12	226	0.87	0.06	0.94
	0.04	0.01	0.0 222,225,0	0.02	2.68e-03	2.68e-03226,210,210			1.00	0.04	0.96
4937	8.81e-03	0.02	0.0 209,57,0	0.03	3.49e-03	7.40e-03225,209,209	0.14	225	0.87	0.06	0.94
	0.03	0.01	0.0 226,225,0	0.03	2.96e-03	2.96e-03225,207,207			1.00	0.04	0.96
4938	4.04e-03	0.03	0.0 209,57,0	0.03	5.64e-03	7.73e-03225,209,209	0.13	225	0.87	0.06	0.94
	0.03	0.01	0.0 226,225,0	0.03	2.12e-03	2.12e-03225,207,207			1.00	0.04	0.96
4939	0.0	0.03	0.0 0,57,0	0.02	5.64e-03	7.73e-03225,209,209	0.12	225	0.0	0.0	0.0
	0.03	9.27e-03	0.0 222,225,0	0.02	1.27e-03	1.27e-03 225,59,59			1.00	0.04	0.96
4940	7.85e-03	0.03	0.0 210,57,0	0.04	3.75e-03	8.04e-03225,209,209	0.14	225	0.87	0.06	0.94

	0.03	8.22e-03	0.0	222,221,0	0.04	2.07e-03	2.07e-03225,207,207			1.00	0.04	0.96
4941	2.73e-03	0.03	0.0	210,57,0	0.03	5.88e-03	8.07e-03225,209,209	0.14	225	0.87	0.06	0.94
	0.03	8.22e-03	0.0	222,221,0	0.03	1.62e-03	1.62e-03225,207,207			1.00	0.04	0.96
4942	0.0	0.03	0.0	0,57,0	0.03	5.88e-03	8.07e-03225,209,209	0.13	225	0.0	0.0	0.0
	0.02	4.49e-03	0.0	222,229,0	0.03	6.17e-04	6.17e-04 225,18,18			1.00	0.04	0.96
4943	6.06e-03	0.03	0.0	210,59,0	0.04	3.92e-03	8.52e-03225,209,209	0.14	225	0.87	0.06	0.94
	0.03	6.45e-03	0.0	230,229,0	0.04	9.82e-04	9.82e-04225,204,204			1.00	0.04	0.96
4944	0.0	0.03	0.0	0,59,0	0.03	6.11e-03	8.52e-03225,209,209	0.14	225	0.0	0.0	0.0
	0.03	6.45e-03	0.0	230,229,0	0.03	9.48e-04	9.48e-04225,207,207			1.00	0.04	0.96
4945	0.0	0.03	0.0	0,59,0	0.03	6.11e-03	8.40e-03225,209,209	0.13	225	0.0	0.0	0.0
	0.02	2.01e-03	0.0	230,229,0	0.03	3.17e-04	3.17e-04225,204,204			1.00	0.04	0.96
4946	0.0	0.04	0.0	0,59,0	0.04	6.18e-03	9.36e-03225,210,209	0.15	225	0.0	0.0	0.0
	0.01	0.02	0.0	229,230,0	0.04	3.06e-03	3.06e-03225,204,204			1.00	0.04	0.96
4947	4.32e-03	0.04	0.0	210,59,0	0.04	4.01e-03	9.24e-03225,210,209	0.15	225	0.87	0.06	0.94
	0.01	0.02	0.0	229,230,0	0.04	7.97e-04	7.97e-04225,210,210			1.00	0.04	0.96
4948	5.64e-03	0.03	0.0	210,59,0	0.04	1.98e-03	8.43e-03225,210,209	0.14	225	0.87	0.06	0.94
	0.01	0.01	0.0	209,210,0	0.04	9.13e-04	9.13e-04225,210,210			1.00	0.04	0.96
4949	5.64e-03	0.03	0.0	210,59,0	0.03	2.21e-03	8.18e-03225,210,209	0.14	225	0.87	0.06	0.94
	0.01	9.37e-03	0.0	230,210,0	0.03	9.13e-04	9.13e-04225,210,210			1.00	0.04	0.96
4950	0.0	0.05	0.0	0,59,0	0.03	5.93e-03	9.24e-03225,210,209	0.14	225	0.0	0.0	0.0
	0.01	0.02	0.0	229,230,0	0.03	3.06e-03	3.06e-03225,204,204			1.00	0.04	0.96
4951	0.0	0.05	0.0	0,59,0	0.03	4.01e-03	9.24e-03225,210,209	0.14	225	0.0	0.0	0.0
	0.01	0.02	0.0	229,230,0	0.03	8.72e-04	8.72e-04225,207,207			1.00	0.04	0.96
4952	4.81e-03	0.04	0.0	210,59,0	0.03	2.15e-03	8.43e-03225,206,209	0.13	225	0.87	0.06	0.94
	0.01	0.01	0.0	209,210,0	0.03	9.16e-04	9.16e-04225,210,210			1.00	0.04	0.96
4953	4.81e-03	0.04	0.0	210,59,0	0.03	2.21e-03	8.18e-03225,210,209	0.13	225	0.87	0.06	0.94
	0.01	9.15e-03	0.0	210,18,0	0.03	9.16e-04	9.16e-04225,210,210			1.00	0.04	0.96
4954	0.0	0.05	0.0	0,59,0	0.02	6.36e-03	0.01225,207,207	0.11	225	0.0	0.0	0.0
	0.01	0.01	0.0	205,206,0	0.02	2.20e-03	2.20e-03225,207,207			1.00	0.04	0.96
4955	0.0	0.05	0.0	0,59,0	0.02	4.33e-03	0.01225,207,207	0.11	225	0.0	0.0	0.0
	0.01	0.01	0.0	205,206,0	0.02	1.05e-03	1.05e-03225,210,210			1.00	0.04	0.96
4956	0.0	0.04	0.0	0,59,0	0.02	2.15e-03	9.13e-03225,206,211	0.11	225	0.0	0.0	0.0
	9.64e-03	9.52e-03	0.0	209,18,0	0.02	9.30e-04	9.30e-04 225,19,19			1.00	0.04	0.96
4957	0.0	0.04	0.0	0,59,0	0.02	2.41e-03	9.11e-03225,207,207	0.10	225	0.0	0.0	0.0
	9.31e-03	9.15e-03	0.0	210,18,0	0.02	9.30e-04	9.30e-04 225,19,19			1.00	0.04	0.96
4958	0.0	0.05	0.0	0,59,0	0.02	7.20e-03	0.01226,207,207	0.10	226	0.0	0.0	0.0
	0.01	0.01	0.0	233,206,0	0.02	2.20e-03	2.20e-03226,207,207			1.00	0.04	0.96
4959	2.12e-03	0.05	0.0	220,59,0	0.02	4.47e-03	0.01226,207,207	0.10	226	0.87	0.06	0.94
	0.01	0.01	0.0	233,206,0	0.02	2.12e-03	2.12e-03 226,19,19			1.00	0.04	0.96
4960	2.65e-03	0.05	0.0	220,59,0	0.02	2.09e-03	9.84e-03226,211,207	0.10	226	0.87	0.06	0.94
	8.48e-03	8.83e-03	0.0	233,18,0	0.02	2.30e-03	2.30e-03 226,19,19			1.00	0.04	0.96
4961	2.65e-03	0.04	0.0	220,59,0	0.02	2.51e-03	9.66e-03226,207,207	0.10	226	0.87	0.06	0.94
	8.17e-03	8.72e-03	0.0	44,22,0	0.02	2.30e-03	2.30e-03 226,19,19			1.00	0.04	0.96
4962	4.98e-03	0.06	0.0	220,59,0	0.02	7.56e-03	0.01226,204,207	0.10	226	0.87	0.06	0.94
	0.01	8.08e-03	0.0	233,222,0	0.02	2.92e-03	2.92e-03 226,18,18			1.00	0.04	0.96
4963	7.38e-03	0.06	0.0	220,59,0	0.02	4.79e-03	0.01226,207,207	0.10	226	0.87	0.06	0.94
	0.01	8.08e-03	0.0	233,222,0	0.02	4.05e-03	4.05e-03 226,20,20			1.00	0.04	0.96
4964	7.38e-03	0.05	0.0	220,59,0	0.02	2.04e-03	0.01226,207,207	0.10	226	0.87	0.06	0.94
	0.01	7.19e-03	0.0	233,19,0	0.02	4.38e-03	4.38e-03 226,19,19			1.00	0.04	0.96
4965	7.24e-03	0.05	0.0	220,59,0	0.02	2.61e-03	0.01226,207,207	0.09	226	0.87	0.06	0.94
	0.01	7.19e-03	0.0	44,19,0	0.02	4.38e-03	4.38e-03 226,19,19			1.00	0.04	0.96
4966	0.01	0.06	0.0	220,59,0	0.02	8.05e-03	0.0152,204,207	0.11	52	0.87	0.06	0.94
	0.01	0.01	0.0	233,19,0	0.02	4.92e-03	4.92e-03 52,18,18			1.00	0.04	0.96
4967	0.01	0.06	0.0	220,59,0	0.02	5.05e-03	0.0152,207,207	0.11	52	0.87	0.06	0.94
	0.02	0.02	0.0	233,19,0	0.02	6.71e-03	6.71e-03 52,22,22			1.00	0.04	0.96
4968	0.01	0.05	0.0	220,59,0	0.02	2.01e-03	0.0152,207,207	0.11	52	0.87	0.06	0.94
	0.02	0.02	0.0	44,19,0	0.02	7.24e-03	7.24e-03 52,19,19			1.00	0.04	0.96
4969	0.01	0.05	0.0	220,59,0	0.02	2.61e-03	0.0152,207,207	0.11	52	0.87	0.06	0.94
	0.02	0.02	0.0	44,19,0	0.02	7.24e-03	7.24e-03 52,19,19			1.00	0.04	0.96
4970	0.01	0.06	0.0	220,59,0	0.04	8.05e-03	0.0152,204,207	0.15	52	0.87	0.06	0.94
	0.03	0.02	0.0	16,20,0	0.04	7.34e-03	7.34e-03 52,18,18			1.00	0.04	0.96
4971	0.02	0.05	0.0	220,59,0	0.04	5.52e-03	0.0152,204,207	0.15	52	0.87	0.06	0.94
	0.04	0.03	0.0	20,19,0	0.04	0.01	0.01 52,22,22			1.00	0.04	0.96
4972	0.02	0.05	0.0	220,59,0	0.04	2.96e-03	0.0152,204,207	0.15	52	0.87	0.06	0.94
	0.04	0.04	0.0	19,19,0	0.04	0.01	0.01 52,19,19			1.00	0.04	0.96
4973	0.02	0.05	0.0	220,59,0	0.03	2.40e-03	0.0152,207,207	0.14	52	0.87	0.06	0.94
	0.04	0.04	0.0	19,19,0	0.03	0.01	0.01 52,19,19			1.00	0.04	0.96
4974	4.50e-03	0.03	0.0	210,59,0	0.03	4.15e-03	8.58e-03225,210,209	0.14	225	0.87	0.06	0.94
	0.02	7.10e-03	0.0	230,20,0	0.03	6.66e-04	6.66e-04225,210,210			1.00	0.04	0.96
4975	0.0	0.03	0.0	0,59,0	0.03	6.13e-03	8.58e-03225,210,209	0.13	225	0.0	0.0	0.0
	0.02	5.55e-03	0.0	230,229,0	0.03	1.21e-03	1.21e-03225,209,209			1.00	0.04	0.96
4976	0.0	0.03	0.0	0,59,0	0.03	6.13e-03	8.40e-03225,210,209	0.12	225	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	0.03	1.21e-03	1.21e-03225,209,209			1.00	0.04	0.96
4977	4.34e-03	0.03	0.0	210,59,0	0.03	4.15e-03	8.58e-03225,210,209	0.13	225	0.87	0.06	0.94
	0.02	7.85e-03	0.0	230,19,0	0.03	7.95e-04	7.95e-04225,210,210			1.00	0.04	0.96

4978	0.0	0.03	0.0	0,59,0	0.03	6.13e-03	8.58e-03225,210,209	0.13	225	0.0	0.0	0.0
	0.02	4.74e-03	0.0	230,229,0	0.03	1.21e-03	1.21e-03225,209,209			1.00	0.04	0.96
4979	0.0	0.03	0.0	0,57,0	0.03	6.13e-03	8.35e-03225,210,210	0.12	225	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	0.03	1.21e-03	1.21e-03225,209,209			1.00	0.04	0.96
4980	0.0	0.04	0.0	0,59,0	0.02	4.46e-03	9.51e-03225,207,207	0.10	225	0.0	0.0	0.0
	0.02	7.85e-03	0.0	230,19,0	0.02	9.77e-04	9.77e-04225,209,209			1.00	0.04	0.96
4981	0.0	0.03	0.0	0,59,0	0.01	6.49e-03	9.51e-03225,207,207	0.09	225	0.0	0.0	0.0
	0.02	4.10e-03	0.0	52,19,0	0.01	1.63e-03	1.63e-03225,204,204			1.00	0.04	0.96
4982	0.0	0.03	0.0	0,59,0	0.01	6.49e-03	8.98e-03225,207,207	0.08	225	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	0.01	1.63e-03	1.63e-03225,204,204			1.00	0.04	0.96
4983	0.0	0.04	0.0	0,59,0	0.01	4.56e-03	9.97e-03226,207,207	0.09	226	0.0	0.0	0.0
	0.01	7.68e-03	0.0	52,19,0	0.01	2.03e-03	2.03e-03 226,19,19			1.00	0.04	0.96
4984	0.0	0.04	0.0	0,59,0	0.01	6.87e-03	9.97e-03226,207,207	0.09	226	0.0	0.0	0.0
	0.02	4.10e-03	0.0	52,19,0	0.01	1.63e-03	1.63e-03226,204,204			1.00	0.04	0.96
4985	0.0	0.03	0.0	0,59,0	0.01	6.87e-03	9.57e-03226,207,207	0.08	226	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	0.01	1.63e-03	1.63e-03226,204,204			1.00	0.04	0.96
4986	4.98e-03	0.04	0.0	220,59,0	0.01	4.80e-03	0.01226,207,207	0.09	226	0.87	0.06	0.94
	0.01	6.93e-03	0.0	44,19,0	0.01	3.86e-03	3.86e-03 226,19,19			1.00	0.04	0.96
4987	0.0	0.04	0.0	0,59,0	0.01	7.13e-03	0.01226,207,207	0.08	226	0.0	0.0	0.0
	0.02	4.21e-03	0.0	52,19,0	0.01	2.65e-03	2.65e-03 226,19,19			1.00	0.04	0.96
4988	0.0	0.03	0.0	0,59,0	0.01	7.13e-03	9.99e-03226,207,207	0.08	226	0.0	0.0	0.0
	0.02	0.0	0.0	52,0,0	0.01	1.05e-03	1.05e-03226,209,209			1.00	0.04	0.96
4989	9.24e-03	0.04	0.0	220,59,0	0.02	4.95e-03	0.0152,207,207	0.11	52	0.87	0.06	0.94
	0.02	0.02	0.0	44,19,0	0.02	6.40e-03	6.40e-03 52,19,19			1.00	0.04	0.96
4990	4.45e-03	0.04	0.0	220,59,0	0.02	7.90e-03	0.0152,204,207	0.11	52	0.87	0.06	0.94
	0.02	0.01	0.0	44,19,0	0.02	4.46e-03	4.46e-03 52,19,19			1.00	0.04	0.96
4991	0.0	0.03	0.0	0,59,0	0.02	7.90e-03	0.0152,204,207	0.10	52	0.0	0.0	0.0
	0.02	2.12e-03	0.0	44,19,0	0.02	1.42e-03	1.42e-03 52,19,19			1.00	0.04	0.96
4992	0.01	0.04	0.0	220,59,0	0.03	5.47e-03	0.0152,204,204	0.14	52	0.87	0.06	0.94
	0.03	0.03	0.0	44,19,0	0.03	9.79e-03	9.79e-03 52,19,19			1.00	0.04	0.96
4993	8.83e-03	0.04	0.0	220,59,0	0.03	9.62e-03	0.0152,204,204	0.13	52	0.87	0.06	0.94
	0.03	0.02	0.0	44,19,0	0.03	6.92e-03	6.92e-03 52,18,18			1.00	0.04	0.96
4994	0.0	0.03	0.0	0,59,0	0.03	9.62e-03	0.0152,204,204	0.12	52	0.0	0.0	0.0
	0.02	6.96e-03	0.0	44,19,0	0.03	2.09e-03	2.09e-03 52,19,19			1.00	0.04	0.96
4995	0.01	0.04	0.0	220,223,0	0.04	8.00e-03	0.0152,204,207	0.15	52	0.87	0.06	0.94
	0.05	0.04	0.0	18,18,0	0.04	9.33e-03	9.33e-03 52,21,21			1.00	0.04	0.96
4996	0.02	0.04	0.0	204,223,0	0.04	8.73e-03	0.0152,204,207	0.15	52	0.87	0.06	0.94
	0.07	0.06	0.0	20,19,0	0.04	0.01	0.01 52,22,22			1.00	0.04	0.96
4997	0.03	0.04	0.0	204,223,0	0.04	8.73e-03	0.0152,204,207	0.15	52	0.87	0.06	0.94
	0.07	0.06	0.0	19,19,0	0.04	0.02	0.02 52,18,18			1.00	0.04	0.96
4998	0.03	0.04	0.0	204,223,0	0.03	2.19e-03	0.0152,204,204	0.14	52	0.87	0.06	0.94
	0.07	0.06	0.0	19,19,0	0.03	0.02	0.02 52,18,18			1.00	0.04	0.96
4999	0.03	0.02	0.0	229,57,0	0.03	0.01	0.0152,204,204	0.14	52	0.87	0.06	0.94
	0.08	0.06	0.0	21,19,0	0.03	0.02	0.0252,209,209			1.00	0.04	0.96
5000	0.04	0.03	0.0	209,210,0	0.03	0.01	0.0252,204,207	0.14	52	0.87	0.06	0.94
	0.11	0.09	0.0	20,20,0	0.03	0.02	0.0252,209,209			1.00	0.04	0.96
5001	0.06	0.05	0.0	209,210,0	0.03	0.02	0.0352,204,207	0.13	52	0.87	0.06	0.94
	0.12	0.10	0.0	20,20,0	0.03	0.02	0.0252,220,220			1.00	0.04	0.96
5002	0.06	0.05	0.0	209,210,0	0.03	0.02	0.0352,204,207	0.13	52	0.87	0.06	0.94
	0.12	0.10	0.0	20,20,0	0.03	0.02	0.0252,220,220			1.00	0.04	0.96
5003	0.03	0.02	0.0	229,230,0	0.01	0.01	0.0152,204,204	0.09	52	0.87	0.06	0.94
	0.08	0.06	0.0	21,19,0	0.01	0.02	0.0252,209,209			1.00	0.04	0.96
5004	0.04	0.03	0.0	209,210,0	0.02	0.01	0.0252,204,207	0.09	52	0.87	0.06	0.94
	0.11	0.09	0.0	20,20,0	0.02	0.02	0.0252,209,209			1.00	0.04	0.96
5005	0.06	0.05	0.0	209,210,0	0.02	0.02	0.0352,204,207	0.09	52	0.87	0.06	0.94
	0.12	0.10	0.0	20,20,0	0.02	0.02	0.0252,220,220			1.00	0.04	0.96
5006	0.06	0.05	0.0	209,210,0	0.02	0.02	0.0352,204,207	0.09	52	0.87	0.06	0.94
	0.12	0.10	0.0	20,20,0	0.02	0.02	0.0252,220,220			1.00	0.04	0.96
5007	0.03	0.03	0.0	204,11,0	0.03	8.80e-03	0.0252,204,204	0.14	52	0.87	0.06	0.94
	0.06	0.06	0.0	19,19,0	0.03	0.01	0.01 52,18,18			1.00	0.04	0.96
5008	0.02	0.03	0.0	204,59,0	0.03	0.01	0.0252,204,204	0.13	52	0.87	0.06	0.94
	0.04	0.04	0.0	19,19,0	0.03	0.01	0.01 52,18,18			1.00	0.04	0.96
5009	2.64e-03	0.03	0.0	204,57,0	0.03	0.01	0.0152,204,204	0.12	52	0.87	0.06	0.94
	0.02	0.01	0.0	17,20,0	0.03	2.48e-03	2.48e-0352,220,220			1.00	0.04	0.96
5010	0.05	0.04	0.0	209,210,0	0.03	0.02	0.0352,204,207	0.13	52	0.87	0.06	0.94
	0.11	0.09	0.0	20,20,0	0.03	0.02	0.0252,220,220			1.00	0.04	0.96
5011	0.02	0.02	0.0	209,9,0	0.03	0.01	0.0252,204,207	0.12	52	0.87	0.06	0.94
	0.08	0.07	0.0	22,20,0	0.03	0.01	0.01 52,20,20			1.00	0.04	0.96
5012	5.38e-03	0.02	0.0	209,57,0	0.02	0.01	0.0152,204,204	0.11	52	0.87	0.06	0.94
	0.02	0.01	0.0	17,20,0	0.02	3.88e-03	3.88e-0352,210,210			1.00	0.04	0.96
5013	0.05	0.04	0.0	209,210,0	0.02	0.02	0.03223,204,207	0.10	223	0.87	0.06	0.94
	0.11	0.09	0.0	20,20,0	0.02	0.02	0.02223,220,220			1.00	0.04	0.96
5014	0.02	0.02	0.0	209,210,0	0.02	0.01	0.02223,204,207	0.10	223	0.87	0.06	0.94
	0.08	0.07	0.0	22,20,0	0.02	0.01	0.01 223,20,20			1.00	0.04	0.96
5015	5.38e-03	0.01	0.0	209,57,0	0.02	6.00e-03	7.15e-03223,204,207	0.10	223	0.87	0.06	0.94

	0.01	0.01	0.0	17,20,0	0.02	3.88e-03	3.88e-03	223,210,210	1.00	0.04	0.96
Nodo	V. 127 0.12	V. 128 0.10	V. 545 0.0		V. 129 0.05	V. 130 0.02	V. 131 0.03		V. D.26 0.17		

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
125	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.33	-82.4	200	0.26	-64.1	200	0.34	-2834.1	-1.340e+06	232

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1852	0.04	0.04	0.0	207,228,0	1.48e-03	0.02	0.02	232,230,230	0.03	228	0.87	0.06	0.94
	0.06	0.04	0.0	235,232,0	1.45e-03	0.02	0.02	232,216,216			1.00	0.04	0.96
3286	0.04	0.04	0.0	207,228,0	0.05	0.02	0.02	232,230,230	0.17	232	0.87	0.06	0.94
	0.06	0.04	0.0	235,232,0	0.05	0.02	0.02	232,216,216			1.00	0.04	0.96
3289	0.03	0.03	0.0	235,232,0	0.05	6.19e-03	8.45e-03	232,210,230	0.17	232	0.87	0.06	0.94
	0.04	0.04	0.0	231,228,0	0.05	5.30e-03	5.30e-03	232,229,229			1.00	0.04	0.96
3292	9.33e-03	8.44e-03	0.0	208,57,0	0.04	6.20e-03	7.33e-03	235,204,207	0.16	235	0.87	0.06	0.94
	0.03	0.03	0.0	231,228,0	0.04	4.56e-03	4.56e-03	235,232,232			1.00	0.04	0.96
3295	6.75e-03	0.01	0.0	204,57,0	0.05	6.46e-03	8.39e-03	235,204,207	0.16	235	0.87	0.06	0.94
	0.02	0.02	0.0	223,220,0	0.05	2.51e-03	2.51e-03	235,232,232			1.00	0.04	0.96
3298	6.75e-03	0.02	0.0	204,59,0	0.05	6.48e-03	8.89e-03	235,204,207	0.16	235	0.87	0.06	0.94
	0.02	0.01	0.0	211,204,0	0.05	1.37e-03	1.37e-03	235,214,214			1.00	0.04	0.96
3329	2.18e-03	0.02	0.0	204,59,0	0.04	6.48e-03	8.89e-03	235,204,207	0.15	235	0.87	0.06	0.94
	0.02	0.01	0.0	207,204,0	0.04	3.39e-03	3.39e-03	235,210,210			1.00	0.04	0.96
3332	8.84e-04	0.03	0.0	204,59,0	0.04	5.98e-03	8.82e-03	235,204,207	0.14	235	0.87	0.06	0.94
	0.02	0.01	0.0	207,204,0	0.04	3.39e-03	3.39e-03	235,210,210			1.00	0.04	0.96
3335	0.0	0.03	0.0	0,59,0	0.03	6.09e-03	9.56e-03	235,208,211	0.12	235	0.0	0.0	0.0
	0.02	0.01	0.0	207,204,0	0.03	2.42e-03	2.42e-03	235,210,210			1.00	0.04	0.96
3338	8.28e-03	0.03	0.0	220,223,0	0.02	6.77e-03	0.01	232,205,211	0.12	232	0.87	0.06	0.94
	0.01	8.24e-03	0.0	207,204,0	0.02	2.42e-03	2.42e-03	232,210,210			1.00	0.04	0.96
3341	0.02	0.04	0.0	232,223,0	0.02	6.77e-03	0.01	234,205,207	0.11	234	0.87	0.06	0.94
	0.01	4.28e-03	0.0	207,204,0	0.02	1.51e-03	1.51e-03	234,210,210			1.00	0.04	0.96
3344	0.02	0.05	0.0	232,235,0	0.02	7.60e-03	0.01	230,207,207	0.10	230	0.87	0.06	0.94
	0.01	4.28e-03	0.0	207,204,0	0.02	1.11e-03	1.11e-03	230,210,210			1.00	0.04	0.96
3347	0.02	0.05	0.0	232,235,0	0.02	9.34e-03	0.01	207,207,207	0.10	207	0.87	0.06	0.94
	0.01	3.35e-03	0.0	207,204,0	0.02	1.11e-03	1.11e-03	230,210,210			1.00	0.04	0.96
3365	0.02	0.03	0.0	232,235,0	0.02	0.01	0.01	223,207,207	0.10	223	0.87	0.06	0.94
	0.01	3.33e-03	0.0	207,204,0	0.02	9.91e-04	9.91e-04	223,210,210			1.00	0.04	0.96
3368	0.05	0.03	0.0	223,220,0	0.02	0.01	0.01	223,207,204	0.10	223	0.87	0.06	0.94
	6.91e-03	2.51e-03	0.0	207,220,0	0.02	1.37e-03	1.37e-03	223,223,223			1.00	0.04	0.96
3371	0.05	0.03	0.0	223,220,0	0.01	0.01	0.01	223,207,204	0.09	223	0.87	0.06	0.94
	5.91e-03	2.51e-03	0.0	223,220,0	0.01	1.37e-03	1.37e-03	223,223,223			1.00	0.04	0.96
3688	0.04	0.04	0.0	207,228,0	8.72e-03	0.02	0.02	232,230,230	0.07	232	0.87	0.06	0.94
	0.06	0.04	0.0	235,232,0	8.70e-03	0.02	0.02	232,52,52			1.00	0.04	0.96
3690	0.04	0.03	0.0	207,228,0	8.72e-03	0.01	0.02	232,232,232	0.07	232	0.87	0.06	0.94
	0.05	0.03	0.0	235,232,0	8.70e-03	0.02	0.02	232,52,52			1.00	0.04	0.96
3692	0.03	0.03	0.0	207,204,0	8.94e-03	8.32e-03	0.02	232,220,204	0.07	232	0.87	0.06	0.94
	0.05	0.03	0.0	230,229,0	8.94e-03	0.01	0.01	232,232,232			1.00	0.04	0.96
3694	0.03	0.03	0.0	207,204,0	8.94e-03	8.87e-03	0.02	232,204,204	0.07	232	0.87	0.06	0.94
	0.05	0.04	0.0	230,234,0	8.94e-03	0.01	0.01	232,232,232			1.00	0.04	0.96
3704	0.02	0.03	0.0	207,204,0	9.46e-03	8.87e-03	0.02	232,204,204	0.07	232	0.87	0.06	0.94
	0.06	0.04	0.0	230,229,0	9.46e-03	0.02	0.02	232,230,230			1.00	0.04	0.96
3706	8.06e-03	0.03	0.0	232,57,0	9.46e-03	0.01	0.01	232,234,59	0.07	232	0.87	0.06	0.94
	0.06	0.04	0.0	230,229,0	9.46e-03	0.02	0.02	232,230,230			1.00	0.04	0.96
3708	8.06e-03	0.03	0.0	232,57,0	1.31e-03	0.01	0.01	232,234,59	0.03	232	0.87	0.06	0.94
	0.05	0.03	0.0	232,235,0	1.30e-03	7.01e-03	7.01e-03	232,59,59			1.00	0.04	0.96
5016	0.04	0.04	0.0	207,228,0	0.05	0.02	0.02	232,230,230	0.17	232	0.87	0.06	0.94
	0.06	0.04	0.0	235,228,0	0.05	0.02	0.02	232,52,52			1.00	0.04	0.96
5017	0.04	0.03	0.0	207,228,0	0.05	0.01	0.02	232,232,232	0.17	232	0.87	0.06	0.94
	0.05	0.04	0.0	235,228,0	0.05	0.02	0.02	232,52,52			1.00	0.04	0.96
5018	0.03	0.03	0.0	207,204,0	0.04	8.32e-03	0.02	232,220,204	0.15	232	0.87	0.06	0.94
	0.05	0.03	0.0	230,229,0	0.04	0.01	0.01	232,232,232			1.00	0.04	0.96
5019	0.03	0.03	0.0	207,204,0	0.03	8.87e-03	0.02	232,204,204	0.14	232	0.87	0.06	0.94
	0.05	0.04	0.0	230,234,0	0.03	0.01	0.01	232,232,232			1.00	0.04	0.96
5020	0.03	0.03	0.0	235,232,0	0.05	6.19e-03	8.45e-03	232,210,230	0.17	232	0.87	0.06	0.94
	0.04	0.04	0.0	231,228,0	0.05	6.13e-03	6.13e-03	232,232,232			1.00	0.04	0.96

5021	0.03	0.02	0.0 211,232,0	0.05	5.19e-03	9.75e-03232,220,204	0.17	232	0.87	0.06	0.94
	0.04	0.04	0.0 231,228,0	0.05	6.13e-03	6.13e-03232,232,232			1.00	0.04	0.96
5022	0.02	0.02	0.0 211,208,0	0.04	5.19e-03	9.75e-03232,220,204	0.15	232	0.87	0.06	0.94
	0.03	0.02	0.0 228,231,0	0.04	6.02e-03	6.02e-03232,230,230			1.00	0.04	0.96
5023	0.02	0.02	0.0 207,204,0	0.04	3.15e-03	6.88e-03235,230,204	0.15	235	0.87	0.06	0.94
	0.02	0.02	0.0 231,235,0	0.04	9.44e-03	9.44e-03235,230,230			1.00	0.04	0.96
5024	0.01	9.60e-03	0.0 204,207,0	0.05	6.20e-03	7.50e-03235,204,207	0.16	235	0.87	0.06	0.94
	0.03	0.03	0.0 231,228,0	0.05	6.13e-03	6.13e-03235,232,232			1.00	0.04	0.96
5025	0.01	0.01	0.0 204,207,0	0.05	3.78e-03	7.50e-03235,207,207	0.16	235	0.87	0.06	0.94
	0.03	0.03	0.0 231,228,0	0.05	6.13e-03	6.13e-03235,232,232			1.00	0.04	0.96
5026	0.01	0.01	0.0 204,207,0	0.04	2.05e-03	6.40e-03235,208,211	0.16	235	0.87	0.06	0.94
	0.02	0.02	0.0 228,228,0	0.04	3.92e-03	3.92e-03235,230,230			1.00	0.04	0.96
5027	0.01	0.01	0.0 204,207,0	0.04	1.85e-03	6.85e-03235,207,207	0.16	235	0.87	0.06	0.94
	0.02	0.01	0.0 231,231,0	0.04	3.85e-03	3.85e-03235,229,229			1.00	0.04	0.96
5028	0.01	0.02	0.0 204,207,0	0.05	6.46e-03	8.43e-03235,204,207	0.17	235	0.87	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.05	4.80e-03	4.80e-03235,232,232			1.00	0.04	0.96
5029	0.02	0.02	0.0 204,207,0	0.05	3.99e-03	8.43e-03235,204,207	0.17	235	0.87	0.06	0.94
	0.02	0.02	0.0 223,220,0	0.05	4.80e-03	4.80e-03235,232,232			1.00	0.04	0.96
5030	0.02	0.02	0.0 204,207,0	0.04	1.85e-03	7.42e-03235,211,207	0.16	235	0.87	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.04	3.92e-03	3.92e-03235,230,230			1.00	0.04	0.96
5031	0.01	0.02	0.0 204,207,0	0.04	2.13e-03	7.46e-03235,204,207	0.16	235	0.87	0.06	0.94
	0.01	8.77e-03	0.0 207,207,0	0.04	2.76e-03	2.76e-03235,229,229			1.00	0.04	0.96
5032	0.01	0.02	0.0 204,207,0	0.05	6.48e-03	8.89e-03235,204,207	0.17	235	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.05	2.86e-03	2.86e-03235,230,230			1.00	0.04	0.96
5033	0.02	0.02	0.0 204,207,0	0.05	3.99e-03	8.80e-03235,204,207	0.17	235	0.87	0.06	0.94
	0.02	0.02	0.0 207,204,0	0.05	2.86e-03	2.86e-03235,230,230			1.00	0.04	0.96
5034	0.02	0.02	0.0 204,207,0	0.04	1.94e-03	8.04e-03235,207,207	0.16	235	0.87	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.04	2.67e-03	2.67e-03235,230,230			1.00	0.04	0.96
5035	0.01	0.02	0.0 204,207,0	0.04	2.21e-03	7.78e-03235,204,207	0.16	235	0.87	0.06	0.94
	0.01	7.63e-03	0.0 207,204,0	0.04	1.85e-03	1.85e-03235,235,235			1.00	0.04	0.96
5036	0.02	0.03	0.0 207,204,0	0.03	8.87e-03	0.02232,204,204	0.14	232	0.87	0.06	0.94
	0.06	0.04	0.0 230,229,0	0.03	0.02	0.02232,230,230			1.00	0.04	0.96
5037	8.06e-03	0.03	0.0 232,57,0	0.03	0.01	0.01232,234,59	0.14	232	0.87	0.06	0.94
	0.06	0.04	0.0 230,229,0	0.03	0.02	0.02232,230,230			1.00	0.04	0.96
5038	8.06e-03	0.03	0.0 232,57,0	0.02	0.01	0.01232,234,59	0.12	232	0.87	0.06	0.94
	0.05	0.03	0.0 232,235,0	0.02	7.01e-03	7.01e-03 232,59,59			1.00	0.04	0.96
5039	0.01	0.02	0.0 204,57,0	0.04	5.02e-03	9.26e-03235,204,204	0.14	235	0.87	0.06	0.94
	0.03	0.03	0.0 232,235,0	0.04	9.44e-03	9.44e-03235,230,230			1.00	0.04	0.96
5040	7.90e-03	0.02	0.0 224,57,0	0.03	6.32e-03	9.26e-03232,204,204	0.14	232	0.87	0.06	0.94
	0.04	0.03	0.0 232,235,0	0.03	5.40e-03	5.40e-03232,234,234			1.00	0.04	0.96
5041	7.31e-03	0.01	0.0 232,57,0	0.02	6.32e-03	8.24e-03235,204,204	0.12	235	0.87	0.06	0.94
	0.04	0.03	0.0 232,235,0	0.02	1.68e-03	1.68e-03235,232,232			1.00	0.04	0.96
5042	0.01	0.01	0.0 204,207,0	0.04	4.01e-03	8.04e-03235,204,204	0.15	235	0.87	0.06	0.94
	0.03	0.02	0.0 230,235,0	0.04	3.42e-03	3.42e-03235,229,229			1.00	0.04	0.96
5043	7.96e-03	0.01	0.0 204,57,0	0.04	6.32e-03	8.24e-03235,204,204	0.15	235	0.87	0.06	0.94
	0.03	0.02	0.0 230,235,0	0.04	1.54e-03	1.54e-03235,233,233			1.00	0.04	0.96
5044	1.18e-03	0.01	0.0 207,57,0	0.03	6.32e-03	8.24e-03235,204,204	0.13	235	0.87	0.06	0.94
	0.02	0.02	0.0 232,235,0	0.03	1.53e-03	1.53e-03 235,59,59			1.00	0.04	0.96
5045	0.01	0.02	0.0 204,207,0	0.04	4.06e-03	8.13e-03235,204,207	0.15	235	0.87	0.06	0.94
	0.02	0.02	0.0 230,235,0	0.04	1.89e-03	1.89e-03235,229,229			1.00	0.04	0.96
5046	7.96e-03	0.01	0.0 204,57,0	0.04	6.27e-03	8.13e-03235,207,207	0.15	235	0.87	0.06	0.94
	0.02	0.02	0.0 230,235,0	0.04	1.35e-03	1.35e-03 235,52,52			1.00	0.04	0.96
5047	0.0	0.01	0.0 0,57,0	0.03	6.27e-03	8.06e-03235,207,207	0.13	235	0.0	0.0	0.0
	0.02	9.12e-03	0.0 210,235,0	0.03	1.12e-03	1.12e-03 235,59,59			1.00	0.04	0.96
5048	0.01	0.02	0.0 204,207,0	0.04	4.10e-03	8.35e-03235,204,207	0.15	235	0.87	0.06	0.94
	0.02	0.01	0.0 210,235,0	0.04	1.30e-03	1.30e-03235,231,231			1.00	0.04	0.96
5049	7.17e-03	0.01	0.0 204,59,0	0.04	6.36e-03	8.35e-03235,207,207	0.15	235	0.87	0.06	0.94
	0.02	0.01	0.0 207,235,0	0.04	1.26e-03	1.26e-03 235,52,52			1.00	0.04	0.96
5050	0.0	0.01	0.0 0,59,0	0.03	6.36e-03	8.29e-03235,207,207	0.13	235	0.0	0.0	0.0
	0.02	7.44e-03	0.0 207,204,0	0.03	6.66e-04	6.66e-04 235,59,59			1.00	0.04	0.96
5051	9.12e-03	0.02	0.0 204,59,0	0.04	6.48e-03	8.89e-03235,204,207	0.15	235	0.87	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.04	3.39e-03	3.39e-03235,210,210			1.00	0.04	0.96
5052	0.01	0.02	0.0 204,207,0	0.04	4.12e-03	8.87e-03235,204,207	0.15	235	0.87	0.06	0.94
	0.02	0.01	0.0 211,208,0	0.04	1.27e-03	1.27e-03235,228,228			1.00	0.04	0.96
5053	0.01	0.02	0.0 204,207,0	0.04	2.04e-03	8.08e-03235,207,207	0.15	235	0.87	0.06	0.94
	0.01	8.72e-03	0.0 207,204,0	0.04	1.42e-03	1.42e-03235,207,207			1.00	0.04	0.96
5054	0.01	0.02	0.0 204,207,0	0.04	2.26e-03	7.78e-03235,204,207	0.15	235	0.87	0.06	0.94
	0.01	6.47e-03	0.0 206,208,0	0.04	1.42e-03	1.42e-03235,207,207			1.00	0.04	0.96
5055	7.10e-03	0.03	0.0 204,59,0	0.04	5.98e-03	9.39e-03235,204,207	0.15	235	0.87	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.04	3.39e-03	3.39e-03235,210,210			1.00	0.04	0.96
5056	0.01	0.03	0.0 204,59,0	0.04	4.25e-03	9.39e-03235,204,207	0.15	235	0.87	0.06	0.94
	0.01	0.01	0.0 207,204,0	0.04	1.32e-03	1.32e-03235,207,207			1.00	0.04	0.96
5057	0.01	0.03	0.0 204,59,0	0.04	2.15e-03	8.46e-03235,204,207	0.15	235	0.87	0.06	0.94
	9.23e-03	6.83e-03	0.0 207,204,0	0.04	1.55e-03	1.55e-03235,207,207			1.00	0.04	0.96
5058	0.01	0.02	0.0 204,207,0	0.03	2.30e-03	8.01e-03235,204,207	0.14	235	0.87	0.06	0.94

	7.98e-03	5.65e-03	0.0 210,209,0	0.03	1.55e-03	1.55e-03235,207,207			1.00	0.04	0.96
5059	7.79e-03	0.03	0.0 204,59,0	0.03	6.09e-03	9.67e-03235,208,211	0.13	235	0.87	0.06	0.94
	0.02	0.01	0.0 207,204,0	0.03	2.42e-03	2.42e-03235,210,210			1.00	0.04	0.96
5060	0.01	0.03	0.0 204,59,0	0.03	4.25e-03	9.67e-03235,204,211	0.13	235	0.87	0.06	0.94
	0.01	9.96e-03	0.0 207,204,0	0.03	1.86e-03	1.86e-03235,210,210			1.00	0.04	0.96
5061	0.01	0.03	0.0 204,207,0	0.03	2.15e-03	8.89e-03235,204,207	0.12	235	0.87	0.06	0.94
	0.01	5.39e-03	0.0 227,204,0	0.03	1.78e-03	1.78e-03235,207,207			1.00	0.04	0.96
5062	0.01	0.03	0.0 204,207,0	0.02	2.30e-03	8.52e-03235,204,207	0.12	235	0.87	0.06	0.94
	8.82e-03	4.51e-03	0.0 227,221,0	0.02	1.78e-03	1.78e-03235,207,207			1.00	0.04	0.96
5063	0.01	0.03	0.0 204,207,0	0.02	6.77e-03	0.01232,205,211	0.12	232	0.87	0.06	0.94
	0.02	8.24e-03	0.0 227,204,0	0.02	2.42e-03	2.42e-03232,210,210			1.00	0.04	0.96
5064	0.02	0.03	0.0 204,207,0	0.02	4.17e-03	0.01232,208,207	0.12	232	0.87	0.06	0.94
	0.02	7.90e-03	0.0 227,204,0	0.02	2.21e-03	2.21e-03232,210,210			1.00	0.04	0.96
5065	0.02	0.03	0.0 204,207,0	0.02	2.10e-03	9.77e-03232,204,211	0.12	232	0.87	0.06	0.94
	0.02	6.50e-03	0.0 227,227,0	0.02	2.21e-03	2.21e-03232,210,210			1.00	0.04	0.96
5066	0.02	0.03	0.0 204,207,0	0.02	2.27e-03	9.23e-03232,204,207	0.11	232	0.87	0.06	0.94
	0.01	7.04e-03	0.0 227,227,0	0.02	2.21e-03	2.21e-03232,210,210			1.00	0.04	0.96
5067	0.02	0.04	0.0 220,223,0	0.02	6.77e-03	0.01234,205,207	0.11	234	0.87	0.06	0.94
	0.02	8.29e-03	0.0 223,234,0	0.02	1.90e-03	1.90e-03234,210,210			1.00	0.04	0.96
5068	0.02	0.04	0.0 204,223,0	0.02	4.17e-03	0.01234,208,207	0.11	234	0.87	0.06	0.94
	0.02	0.01	0.0 227,234,0	0.02	2.50e-03	2.50e-03234,210,210			1.00	0.04	0.96
5069	0.02	0.04	0.0 204,207,0	0.02	2.20e-03	0.01234,205,207	0.11	234	0.87	0.06	0.94
	0.02	0.01	0.0 227,234,0	0.02	2.55e-03	2.55e-03234,210,210			1.00	0.04	0.96
5070	0.02	0.04	0.0 204,207,0	0.02	2.36e-03	0.01234,207,207	0.11	234	0.87	0.06	0.94
	0.02	0.01	0.0 227,234,0	0.02	2.55e-03	2.55e-03234,210,210			1.00	0.04	0.96
5071	0.02	0.05	0.0 232,235,0	0.02	7.60e-03	0.01230,207,207	0.10	230	0.87	0.06	0.94
	0.02	0.01	0.0 223,234,0	0.02	1.68e-03	1.68e-03230,210,210			1.00	0.04	0.96
5072	0.02	0.04	0.0 204,223,0	0.02	5.06e-03	0.01230,210,207	0.09	230	0.87	0.06	0.94
	0.03	0.01	0.0 207,230,0	0.02	2.50e-03	2.50e-03230,210,210			1.00	0.04	0.96
5073	0.02	0.04	0.0 204,207,0	0.01	2.20e-03	0.01230,205,207	0.09	230	0.87	0.06	0.94
	0.03	0.02	0.0 207,230,0	0.01	2.85e-03	2.85e-03230,210,210			1.00	0.04	0.96
5074	0.02	0.04	0.0 204,207,0	0.01	2.38e-03	0.01230,210,207	0.09	230	0.87	0.06	0.94
	0.03	0.02	0.0 207,230,0	0.01	2.85e-03	2.85e-03230,210,210			1.00	0.04	0.96
5075	0.02	0.05	0.0 232,235,0	0.02	9.34e-03	0.01207,207,207	0.10	207	0.87	0.06	0.94
	0.02	0.01	0.0 223,234,0	0.02	1.46e-03	1.46e-03207,207,207			1.00	0.04	0.96
5076	0.02	0.04	0.0 204,223,0	0.01	6.29e-03	0.01207,207,207	0.09	207	0.87	0.06	0.94
	0.03	0.02	0.0 207,230,0	0.01	2.16e-03	2.16e-03207,210,210			1.00	0.04	0.96
5077	0.02	0.04	0.0 204,207,0	0.01	2.40e-03	0.01207,210,207	0.09	207	0.87	0.06	0.94
	0.04	0.02	0.0 207,210,0	0.01	3.59e-03	3.59e-03207,207,207			1.00	0.04	0.96
5078	0.02	0.04	0.0 204,207,0	0.01	2.38e-03	0.01207,210,207	0.09	207	0.87	0.06	0.94
	0.04	0.02	0.0 207,210,0	0.01	3.59e-03	3.59e-03207,207,207			1.00	0.04	0.96
5079	0.01	0.02	0.0 204,207,0	0.04	4.22e-03	8.44e-03235,204,204	0.15	235	0.87	0.06	0.94
	0.02	8.70e-03	0.0 230,229,0	0.04	1.27e-03	1.27e-03235,207,207			1.00	0.04	0.96
5080	7.13e-03	0.01	0.0 204,59,0	0.03	6.36e-03	8.44e-03235,207,204	0.14	235	0.87	0.06	0.94
	0.02	8.70e-03	0.0 207,229,0	0.03	1.36e-03	1.36e-03235,209,209			1.00	0.04	0.96
5081	3.04e-03	0.01	0.0 207,59,0	0.03	6.36e-03	8.29e-03235,207,207	0.13	235	0.87	0.06	0.94
	0.02	8.28e-03	0.0 207,204,0	0.03	1.36e-03	1.36e-03235,209,209			1.00	0.04	0.96
5082	0.01	0.02	0.0 204,207,0	0.03	4.36e-03	8.64e-03235,204,204	0.14	235	0.87	0.06	0.94
	0.01	7.60e-03	0.0 230,229,0	0.03	1.41e-03	1.41e-03235,207,207			1.00	0.04	0.96
5083	7.04e-03	0.02	0.0 207,59,0	0.03	6.16e-03	8.64e-03235,204,204	0.14	235	0.87	0.06	0.94
	0.02	8.80e-03	0.0 207,204,0	0.03	1.36e-03	1.36e-03235,209,209			1.00	0.04	0.96
5084	3.04e-03	0.01	0.0 207,57,0	0.03	6.16e-03	8.15e-03235,204,204	0.13	235	0.87	0.06	0.94
	0.02	8.80e-03	0.0 207,204,0	0.03	1.36e-03	1.36e-03235,209,209			1.00	0.04	0.96
5085	0.01	0.02	0.0 204,207,0	0.02	4.36e-03	8.83e-03235,204,211	0.12	235	0.87	0.06	0.94
	0.01	6.10e-03	0.0 230,229,0	0.02	1.65e-03	1.65e-03235,207,207			1.00	0.04	0.96
5086	7.27e-03	0.02	0.0 204,59,0	0.02	6.43e-03	8.83e-03235,204,211	0.11	235	0.87	0.06	0.94
	0.02	8.80e-03	0.0 207,204,0	0.02	1.62e-03	1.62e-03235,211,211			1.00	0.04	0.96
5087	1.95e-03	0.02	0.0 211,59,0	0.02	6.43e-03	8.46e-03232,204,207	0.10	232	0.87	0.06	0.94
	0.02	8.80e-03	0.0 207,204,0	0.02	1.62e-03	1.62e-03232,211,211			1.00	0.04	0.96
5088	0.01	0.03	0.0 204,207,0	0.02	4.40e-03	9.51e-03232,208,211	0.11	232	0.87	0.06	0.94
	0.01	7.04e-03	0.0 215,227,0	0.02	2.04e-03	2.04e-03232,210,210			1.00	0.04	0.96
5089	9.22e-03	0.02	0.0 204,207,0	0.02	6.82e-03	9.51e-03232,208,211	0.10	232	0.87	0.06	0.94
	0.02	3.83e-03	0.0 207,227,0	0.02	1.62e-03	1.62e-03232,211,211			1.00	0.04	0.96
5090	9.15e-03	0.02	0.0 204,59,0	0.02	6.82e-03	9.21e-03232,208,211	0.10	232	0.87	0.06	0.94
	0.02	3.41e-03	0.0 207,204,0	0.02	1.62e-03	1.62e-03232,211,211			1.00	0.04	0.96
5091	0.02	0.03	0.0 204,207,0	0.02	4.78e-03	0.01234,207,207	0.10	234	0.87	0.06	0.94
	0.02	0.01	0.0 215,227,0	0.02	2.17e-03	2.17e-03234,210,210			1.00	0.04	0.96
5092	0.01	0.02	0.0 204,207,0	0.02	6.82e-03	0.01230,208,207	0.09	230	0.87	0.06	0.94
	0.02	6.99e-03	0.0 223,227,0	0.02	1.59e-03	1.59e-03230,210,210			1.00	0.04	0.96
5093	2.48e-03	0.02	0.0 204,59,0	0.01	6.82e-03	9.25e-03230,208,207	0.09	230	0.87	0.06	0.94
	0.02	5.59e-03	0.0 223,220,0	0.01	1.35e-03	1.35e-03230,210,210			1.00	0.04	0.96
5094	0.02	0.03	0.0 204,207,0	0.01	5.27e-03	0.01230,207,207	0.08	230	0.87	0.06	0.94
	0.02	0.01	0.0 215,218,0	0.01	2.17e-03	2.17e-03230,210,210			1.00	0.04	0.96
5095	0.01	0.02	0.0 204,207,0	0.01	8.38e-03	0.01230,207,207	0.08	230	0.87	0.06	0.94
	0.02	8.33e-03	0.0 223,215,0	0.01	1.39e-03	1.39e-03230,210,210			1.00	0.04	0.96

5096	3.40e-03	0.02	0.0	204,59,0	9.02e-03	8.38e-03	0.01230,207,207	0.07	230	0.87	0.06	0.94
	0.02	5.59e-03	0.0	223,220,0	9.02e-03	8.86e-04	8.86e-04230,230,230			1.00	0.04	0.96
5097	0.02	0.03	0.0	204,207,0	0.01	6.02e-03	0.01207,207,207	0.09	207	0.87	0.06	0.94
	0.03	0.02	0.0	215,218,0	0.01	3.46e-03	3.46e-03207,207,207			1.00	0.04	0.96
5098	0.01	0.02	0.0	204,207,0	0.01	0.01	0.01207,207,207	0.09	207	0.87	0.06	0.94
	0.02	8.33e-03	0.0	223,215,0	0.01	3.46e-03	3.46e-03207,207,207			1.00	0.04	0.96
5099	3.83e-03	0.02	0.0	230,59,0	0.01	0.01	0.01207,207,207	0.08	207	0.87	0.06	0.94
	0.02	4.78e-03	0.0	223,220,0	0.01	1.71e-03	1.71e-03207,207,207			1.00	0.04	0.96
5100	0.02	0.03	0.0	210,227,0	0.02	0.01	0.01223,207,207	0.10	223	0.87	0.06	0.94
	0.02	9.30e-03	0.0	207,230,0	0.02	2.93e-03	2.93e-03223,207,207			1.00	0.04	0.96
5101	0.03	0.03	0.0	210,207,0	0.02	8.37e-03	0.02223,207,207	0.10	223	0.87	0.06	0.94
	0.03	0.02	0.0	207,230,0	0.02	5.24e-03	5.24e-03223,207,207			1.00	0.04	0.96
5102	0.03	0.03	0.0	210,207,0	0.02	5.28e-03	0.02223,207,207	0.10	223	0.87	0.06	0.94
	0.05	0.03	0.0	207,210,0	0.02	5.24e-03	5.24e-03223,207,207			1.00	0.04	0.96
5103	0.03	0.03	0.0	210,207,0	0.02	3.63e-03	0.01223,207,210	0.09	223	0.87	0.06	0.94
	0.05	0.03	0.0	207,210,0	0.02	3.59e-03	3.59e-03223,207,207			1.00	0.04	0.96
5104	0.06	0.04	0.0	207,204,0	0.02	0.01	0.02223,207,204	0.10	223	0.87	0.06	0.94
	0.01	5.42e-03	0.0	207,230,0	0.02	2.93e-03	2.93e-03223,207,207			1.00	0.04	0.96
5105	0.06	0.04	0.0	207,204,0	0.02	0.01	0.02223,207,230	0.10	223	0.87	0.06	0.94
	0.02	0.01	0.0	207,210,0	0.02	5.24e-03	5.24e-03223,207,207			1.00	0.04	0.96
5106	0.07	0.04	0.0	207,204,0	0.02	0.01	0.02223,207,230	0.10	223	0.87	0.06	0.94
	0.05	0.03	0.0	207,210,0	0.02	0.02	0.02223,207,207			1.00	0.04	0.96
5107	0.07	0.04	0.0	207,204,0	0.02	0.03	0.03223,207,230	0.09	223	0.87	0.06	0.94
	0.05	0.03	0.0	207,210,0	0.02	0.02	0.02223,207,207			1.00	0.04	0.96
5108	0.06	0.04	0.0	207,204,0	0.01	0.01	0.02223,207,204	0.09	223	0.87	0.06	0.94
	5.91e-03	2.51e-03	0.0	223,220,0	0.01	1.37e-03	1.37e-03223,223,223			1.00	0.04	0.96
5109	0.06	0.04	0.0	207,204,0	0.01	0.01	0.02223,207,230	0.08	223	0.87	0.06	0.94
	7.40e-03	4.11e-03	0.0	207,230,0	0.01	4.46e-03	4.46e-03223,207,207			1.00	0.04	0.96
5110	0.07	0.04	0.0	207,204,0	8.29e-03	0.01	0.02223,207,230	0.07	223	0.87	0.06	0.94
	0.03	0.02	0.0	207,210,0	8.28e-03	0.02	0.02223,207,207			1.00	0.04	0.96
5111	0.07	0.04	0.0	207,204,0	8.05e-03	0.03	0.03223,207,230	0.07	223	0.87	0.06	0.94
	0.03	0.02	0.0	207,210,0	7.99e-03	0.02	0.02223,207,207			1.00	0.04	0.96
5112	0.03	0.03	0.0	207,207,0	0.01	9.42e-03	0.01223,207,210	0.09	223	0.87	0.06	0.94
	0.03	0.02	0.0	207,218,0	0.01	8.39e-03	8.39e-03223,207,207			1.00	0.04	0.96
5113	0.02	0.02	0.0	207,207,0	0.01	0.01	0.01223,207,207	0.09	223	0.87	0.06	0.94
	0.02	7.06e-03	0.0	207,208,0	0.01	8.39e-03	8.39e-03223,207,207			1.00	0.04	0.96
5114	7.03e-03	0.01	0.0	207,57,0	0.01	0.01	0.01223,207,207	0.09	223	0.87	0.06	0.94
	0.02	6.04e-03	0.0	207,204,0	0.01	2.29e-03	2.29e-03223,207,207			1.00	0.04	0.96
5115	0.05	0.03	0.0	207,230,0	0.01	0.03	0.03223,207,230	0.09	223	0.87	0.06	0.94
	0.03	0.02	0.0	207,218,0	0.01	0.01	0.01223,207,207			1.00	0.04	0.96
5116	0.02	0.02	0.0	207,204,0	0.01	0.01	0.01223,207,178	0.09	223	0.87	0.06	0.94
	0.02	8.75e-03	0.0	207,210,0	0.01	8.39e-03	8.39e-03223,207,207			1.00	0.04	0.96
5117	7.03e-03	0.01	0.0	207,57,0	0.01	9.97e-03	0.01223,207,210	0.09	223	0.87	0.06	0.94
	0.02	6.04e-03	0.0	207,204,0	0.01	4.57e-03	4.57e-03223,207,207			1.00	0.04	0.96
5118	0.05	0.03	0.0	207,230,0	8.71e-03	0.03	0.03223,207,230	0.07	223	0.87	0.06	0.94
	0.02	0.01	0.0	215,210,0	8.71e-03	0.01	0.01223,207,207			1.00	0.04	0.96
5119	0.02	0.02	0.0	207,204,0	8.71e-03	0.01	0.01223,207,178	0.07	223	0.87	0.06	0.94
	0.01	8.75e-03	0.0	207,210,0	8.71e-03	8.28e-03	8.28e-03223,207,207			1.00	0.04	0.96
5120	3.58e-03	9.25e-03	0.0	223,57,0	8.19e-03	4.95e-03	6.22e-03223,210,210	0.07	223	0.87	0.06	0.94
	8.69e-03	4.16e-03	0.0	207,230,0	8.19e-03	4.57e-03	4.57e-03223,207,207			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131	V. D.26				
	0.07	0.05	0.0		0.05	0.03	0.03	0.17				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
126	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
		kN			kN			kN	kN m				
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0			
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2338	8.55e-03	7.36e-03	0.0	21,16,0	2.58e-03	5.30e-03	9.41e-03	207,18,18	0.04	207	0.53	0.09	0.91
	0.01	7.72e-03	0.0	20,15,0	2.58e-03	7.45e-03	7.45e-03	207,19,19			1.00	0.04	0.96
2340	6.12e-03	6.57e-03	0.0	229,230,0	1.75e-03	5.30e-03	8.38e-03	207,18,18	0.03	207	0.53	0.09	0.91
	0.03	0.02	0.0	22,15,0	1.75e-03	0.04	0.04	207,19,19			1.00	0.04	0.96
5111	0.02	0.01	0.0	18,19,0	2.49e-03	0.02	0.02	207,17,17	0.04	207	0.53	0.09	0.91
	0.01	0.02	0.0	235,232,0	2.49e-03	6.64e-03	6.64e-03	207,17,17			1.00	0.04	0.96
5118	0.02	0.01	0.0	18,19,0	4.86e-03	0.02	0.02	49,17,17	0.05	49	0.53	0.09	0.91

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2780 DI 2790

	0.01	0.02	0.0	235,232,0	4.86e-03	6.79e-03	6.79e-03	49,18,18			1.00	0.04	0.96
5119	0.01	7.62e-03	0.0	17,20,0	4.86e-03	0.01	0.01	49,20,20	0.05	49	0.53	0.09	0.91
	9.11e-03	0.03	0.0	235,59,0	4.86e-03	6.79e-03	6.79e-03	49,18,18			1.00	0.04	0.96
5120	4.55e-03	3.50e-03	0.0	19,20,0	5.26e-03	8.77e-03	0.01	49,20,20	0.06	49	0.53	0.09	0.91
	3.47e-03	0.03	0.0	229,59,0	5.26e-03	0.01	0.01	49,17,17			1.00	0.04	0.96
5124	0.05	0.03	0.0	18,19,0	2.49e-03	0.02	0.02	207,17,17	0.04	207	0.53	0.09	0.91
	0.01	0.02	0.0	235,232,0	2.49e-03	6.64e-03	6.64e-03	207,17,17			1.00	0.04	0.96
5128	0.06	0.03	0.0	18,19,0	1.71e-03	0.01	0.01	207,20,20	0.03	207	0.53	0.09	0.91
	6.36e-03	4.94e-03	0.0	232,235,0	1.71e-03	2.99e-03	2.99e-03	207,17,17			1.00	0.04	0.96
5129	0.05	0.03	0.0	18,19,0	4.86e-03	0.02	0.02	49,17,17	0.05	49	0.53	0.09	0.91
	0.01	0.02	0.0	235,232,0	4.86e-03	6.79e-03	6.79e-03	49,18,18			1.00	0.04	0.96
5130	0.03	0.02	0.0	17,20,0	5.26e-03	0.01	0.01	49,20,20	0.06	49	0.53	0.09	0.91
	9.52e-03	0.03	0.0	19,59,0	5.26e-03	0.01	0.01	49,17,17			1.00	0.04	0.96
5131	7.31e-03	6.45e-03	0.0	21,18,0	5.26e-03	3.48e-03	7.76e-03	49,231,16	0.06	49	0.53	0.09	0.91
	6.90e-03	5.57e-03	0.0	19,18,0	5.26e-03	0.01	0.01	49,17,17			1.00	0.04	0.96
5132	0.06	0.03	0.0	18,19,0	4.00e-03	0.01	0.01	207,20,20	0.05	207	0.53	0.09	0.91
	9.52e-03	8.16e-03	0.0	19,18,0	4.00e-03	2.99e-03	2.99e-03	207,17,17			1.00	0.04	0.96
5133	0.03	0.02	0.0	17,20,0	4.27e-03	5.18e-03	0.01	207,17,228	0.05	207	0.53	0.09	0.91
	9.52e-03	8.16e-03	0.0	19,18,0	4.27e-03	6.77e-03	6.77e-03	207,21,21			1.00	0.04	0.96
5134	9.03e-03	7.44e-03	0.0	21,16,0	4.27e-03	2.13e-03	7.76e-03	207,211,16	0.05	207	0.53	0.09	0.91
	6.90e-03	5.57e-03	0.0	19,18,0	4.27e-03	6.77e-03	6.77e-03	207,21,21			1.00	0.04	0.96
5141	0.03	0.01	0.0	207,204,0	2.05e-03	0.02	0.02	207,19,19	0.03	207	0.53	0.09	0.91
	0.08	0.05	0.0	18,19,0	2.06e-03	0.05	0.05	207,19,19			1.00	0.04	0.96
5147	0.03	0.01	0.0	207,204,0	2.05e-03	0.02	0.02	207,19,19	0.03	207	0.53	0.09	0.91
	0.14	0.10	0.0	18,19,0	2.06e-03	0.05	0.05	207,19,19			1.00	0.04	0.96
5149	7.38e-03	1.03e-03	0.0	18,19,0	8.80e-04	3.54e-03	3.54e-03	207,230,230	0.02	207	0.53	0.09	0.91
	0.14	0.10	0.0	18,19,0	8.80e-04	0.07	0.07	207,20,20			1.00	0.04	0.96
5151	5.87e-03	6.57e-03	0.0	229,230,0	7.22e-04	3.54e-03	6.85e-03	207,230,18	0.02	207	0.53	0.09	0.91
	0.10	0.07	0.0	18,19,0	7.25e-04	0.07	0.07	207,20,20			1.00	0.04	0.96
5177	0.05	0.02	0.0	18,19,0	2.05e-03	0.02	0.02	207,19,19	0.03	207	0.53	0.09	0.91
	0.14	0.10	0.0	18,19,0	2.06e-03	0.05	0.05	207,19,19			1.00	0.04	0.96
5178	0.03	0.02	0.0	17,20,0	3.52e-03	5.17e-03	9.41e-03	207,20,18	0.05	207	0.53	0.09	0.91
	6.25e-03	4.41e-03	0.0	20,19,0	3.52e-03	5.13e-03	5.13e-03	207,19,19			1.00	0.04	0.96
5179	0.03	0.02	0.0	18,20,0	2.58e-03	0.01	0.01	207,18,18	0.04	207	0.53	0.09	0.91
	0.01	9.77e-03	0.0	18,19,0	2.58e-03	7.45e-03	7.45e-03	207,19,19			1.00	0.04	0.96
5181	0.01	6.57e-03	0.0	18,230,0	1.75e-03	0.01	0.01	207,18,18	0.03	207	0.53	0.09	0.91
	0.14	0.10	0.0	18,19,0	1.75e-03	0.07	0.07	207,20,20			1.00	0.04	0.96
5241	9.03e-03	7.44e-03	0.0	21,16,0	3.52e-03	2.85e-03	9.41e-03	207,18,18	0.05	207	0.53	0.09	0.91
	4.51e-03	3.62e-03	0.0	20,15,0	3.52e-03	5.13e-03	5.13e-03	207,19,19			1.00	0.04	0.96
5457	0.06	0.03	0.0	18,19,0	1.38e-03	3.47e-03	0.01	207,20,220	0.03	207	0.53	0.09	0.91
	4.31e-03	2.30e-03	0.0	210,209,0	1.38e-03	1.21e-03	1.21e-03	207,20,20			1.00	0.04	0.96
5467	0.06	0.03	0.0	18,19,0	1.22e-03	6.02e-03	0.01	207,19,224	0.03	207	0.53	0.09	0.91
	0.01	8.26e-03	0.0	204,207,0	1.22e-03	2.71e-03	2.71e-03	207,19,19			1.00	0.04	0.96
5468	0.05	0.02	0.0	18,19,0	2.05e-03	0.02	0.02	207,19,19	0.03	207	0.53	0.09	0.91
	0.08	0.05	0.0	18,19,0	2.06e-03	0.05	0.05	207,19,19			1.00	0.04	0.96
5565	0.06	0.03	0.0	18,19,0	3.35e-03	5.17e-03	0.01	207,20,220	0.04	207	0.53	0.09	0.91
	6.25e-03	4.41e-03	0.0	20,19,0	3.35e-03	1.21e-03	1.21e-03	207,20,20			1.00	0.04	0.96
5566	0.06	0.03	0.0	18,19,0	2.52e-03	0.01	0.01	207,18,224	0.04	207	0.53	0.09	0.91
	0.01	9.77e-03	0.0	18,19,0	2.52e-03	2.71e-03	2.71e-03	207,19,19			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.14	0.10	0.0	5.26e-03	0.07	0.07	0.06

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
127	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.20	1.8	178	0.21	2.0	178	0.24	-692.5	4.596e+04	207

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3407	0.03	0.04	0.0	204,207,0	1.05e-03	0.09	0.10	18,18,18	0.02	210	0.87	0.06	0.94
	5.58e-03	6.42e-03	0.0	229,230,0	8.96e-04	1.77e-03	1.77e-03	210,17,17			1.00	0.04	0.96
3408	0.04	0.04	0.0	18,207,0	1.08e-03	0.09	0.10	210,18,18	0.03	210	0.87	0.06	0.94
	5.58e-03	6.42e-03	0.0	229,230,0	1.08e-03	1.77e-03	1.77e-03	210,17,17			1.00	0.04	0.96
3411	0.04	0.03	0.0	18,19,0	1.08e-03	0.08	0.08	210,19,19	0.03	210	0.87	0.06	0.94
	5.05e-03	5.37e-03	0.0	221,222,0	1.08e-03	8.96e-04	8.96e-04	210,19,19			1.00	0.04	0.96
5135	0.13	0.10	0.0	19,18,0	0.03	0.09	0.11	207,18,18	0.13	207	0.87	0.06	0.94
	5.58e-03	6.42e-03	0.0	229,230,0	0.03	1.77e-03	1.77e-03	207,17,17			1.00	0.04	0.96

5136	0.13	0.10	0.0	18,18,0	0.03	0.09	0.11	207,18,18	0.13	207	0.87	0.06	0.94
	5.86e-03	6.42e-03	0.0	209,230,0	0.03	1.77e-03	1.77e-03	207,17,17			1.00	0.04	0.96
5137	0.20	0.15	0.0	21,20,0	0.03	0.06	0.11	207,18,18	0.13	207	0.87	0.06	0.94
	6.95e-03	4.03e-03	0.0	209,18,0	0.03	1.73e-03	1.73e-03	207,230,230			1.00	0.04	0.96
5138	0.20	0.15	0.0	21,20,0	0.03	0.06	0.11	207,18,18	0.13	207	0.87	0.06	0.94
	6.95e-03	5.81e-03	0.0	209,210,0	0.03	2.19e-03	2.19e-03	207,231,231			1.00	0.04	0.96
5139	0.24	0.17	0.0	17,20,0	0.03	0.04	0.11	207,18,20	0.13	207	0.87	0.06	0.94
	0.03	8.05e-03	0.0	18,19,0	0.03	0.02	0.02	207,19,19			1.00	0.04	0.96
5140	0.24	0.17	0.0	17,18,0	0.03	0.04	0.11	207,18,20	0.13	207	0.87	0.06	0.94
	0.03	8.83e-03	0.0	18,19,0	0.03	0.02	0.02	207,19,19			1.00	0.04	0.96
5141	0.24	0.17	0.0	17,20,0	0.03	0.07	0.07	207,19,19	0.13	207	0.87	0.06	0.94
	0.05	0.01	0.0	207,204,0	0.03	0.02	0.02	207,19,19			1.00	0.04	0.96
5142	0.24	0.17	0.0	17,18,0	0.03	0.07	0.13	207,19,18	0.13	207	0.87	0.06	0.94
	0.05	0.01	0.0	207,204,0	0.03	0.02	0.02	207,19,19			1.00	0.04	0.96
5143	0.13	0.09	0.0	18,19,0	0.03	0.08	0.08	207,19,19	0.13	207	0.87	0.06	0.94
	5.86e-03	5.81e-03	0.0	209,210,0	0.03	8.96e-04	8.96e-04	207,19,19			1.00	0.04	0.96
5144	0.19	0.14	0.0	19,18,0	0.03	0.06	0.10	207,18,18	0.13	207	0.87	0.06	0.94
	5.86e-03	5.81e-03	0.0	209,210,0	0.03	2.19e-03	2.19e-03	207,231,231			1.00	0.04	0.96
5145	0.22	0.17	0.0	19,18,0	0.03	0.03	0.10	207,18,18	0.13	207	0.87	0.06	0.94
	0.03	8.83e-03	0.0	18,19,0	0.03	0.01	0.01	207,19,19			1.00	0.04	0.96
5146	0.22	0.17	0.0	19,18,0	0.03	0.06	0.13	207,19,18	0.13	207	0.87	0.06	0.94
	0.03	8.83e-03	0.0	18,19,0	0.03	0.01	0.01	207,19,19			1.00	0.04	0.96
5147	0.20	0.14	0.0	17,20,0	3.01e-03	0.07	0.07	207,19,19	0.04	207	0.87	0.06	0.94
	0.05	0.01	0.0	207,204,0	2.99e-03	0.02	0.02	207,19,19			1.00	0.04	0.96
5148	0.20	0.14	0.0	17,20,0	3.01e-03	0.07	0.13	207,19,18	0.04	207	0.87	0.06	0.94
	0.05	0.01	0.0	207,204,0	2.99e-03	0.02	0.02	207,19,19			1.00	0.04	0.96
5149	0.12	0.08	0.0	17,20,0	2.51e-03	0.06	0.06	207,19,19	0.04	210	0.87	0.06	0.94
	0.03	8.97e-03	0.0	18,19,0	2.50e-03	0.02	0.02	210,19,19			1.00	0.04	0.96
5150	0.12	0.08	0.0	17,20,0	2.51e-03	0.06	0.09	207,19,18	0.04	210	0.87	0.06	0.94
	0.03	8.97e-03	0.0	207,19,0	2.50e-03	0.02	0.02	210,19,19			1.00	0.04	0.96
5151	0.04	0.03	0.0	17,20,0	1.37e-03	0.06	0.06	210,19,19	0.03	210	0.87	0.06	0.94
	0.02	8.97e-03	0.0	18,19,0	1.37e-03	8.38e-03	8.38e-03	210,19,19			1.00	0.04	0.96
5152	0.04	0.03	0.0	17,18,0	1.37e-03	0.06	0.06	210,19,18	0.03	210	0.87	0.06	0.94
	0.02	8.97e-03	0.0	18,19,0	1.37e-03	8.38e-03	8.38e-03	210,19,19			1.00	0.04	0.96
5153	0.18	0.14	0.0	19,18,0	2.15e-03	0.06	0.13	207,19,18	0.04	207	0.87	0.06	0.94
	0.03	7.15e-03	0.0	18,204,0	2.14e-03	0.02	0.02	207,19,19			1.00	0.04	0.96
5154	0.11	0.08	0.0	19,18,0	1.63e-03	0.06	0.09	207,19,18	0.03	207	0.87	0.06	0.94
	0.03	7.98e-03	0.0	207,19,0	1.63e-03	0.02	0.02	207,19,19			1.00	0.04	0.96
5155	0.03	0.03	0.0	19,18,0	8.89e-04	0.05	0.06	207,18,18	0.02	207	0.87	0.06	0.94
	0.02	7.98e-03	0.0	18,19,0	8.88e-04	4.34e-03	4.34e-03	207,19,19			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.24	0.17	0.0		0.03	0.09	0.13		0.13				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
128	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.15	2.8	177	0.79	14.7	175	0.38	717.9	1.335e+05	229

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3042	0.05	0.02	0.0	229,230,0	1.13e-03	0.02	0.02	209,52,52	0.03	209	0.87	0.06	0.94
	0.03	0.03	0.0	209,210,0	1.13e-03	0.01	0.01	209,21,21					
3431	0.04	0.04	0.0	207,204,0	5.16e-05	0.01	0.01	231,19,19	5.26e-03	231	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	4.69e-05	2.98e-03	2.98e-03	231,17,17					
3432	0.04	0.04	0.0	207,204,0	1.40e-03	0.01	0.01	209,19,19	0.03	209	0.87	0.06	0.94
	0.03	0.02	0.0	209,210,0	1.40e-03	7.79e-03	7.79e-03	209,18,18					
3435	0.05	0.02	0.0	229,230,0	1.40e-03	0.02	0.02	209,52,52	0.03	209	0.87	0.06	0.94
	0.03	0.03	0.0	209,210,0	1.40e-03	0.01	0.01	209,21,21					
4800	0.05	0.02	0.0	229,230,0	0.01	0.02	0.02	209,52,52	0.08	209	0.87	0.06	0.94
	0.07	0.05	0.0	17,18,0	0.01	0.03	0.03	209,21,21					
4801	0.04	0.03	0.0	229,230,0	0.01	6.35e-03	7.06e-03	209,52,215	0.08	209	0.87	0.06	0.94
	0.10	0.07	0.0	21,17,0	0.01	0.04	0.04	209,19,19					
4802	0.03	0.03	0.0	229,230,0	9.33e-03	2.27e-03	6.48e-03	209,52,230	0.07	209	0.87	0.06	0.94
	0.12	0.09	0.0	22,19,0	9.33e-03	0.04	0.04	209,19,19					
4803	0.03	0.03	0.0	229,230,0	0.02	1.86e-03	6.48e-03	207,230,230	0.10	207	0.87	0.06	0.94
	0.12	0.09	0.0	22,19,0	0.02	0.04	0.04	207,20,20					
4810	0.02	0.03	0.0	229,230,0	0.02	1.20e-03	4.55e-03	207,230,230	0.11	207	0.87	0.06	0.94

	0.11	0.08	0.0	22,19,0	0.02	0.03	0.03	207,20,20		1.00	0.04	0.96	
4811	0.01	0.02	0.0	229,230,0	0.02	3.97e-03	5.80e-03	207,18,18	0.11	207	0.87	0.06	0.94
	0.08	0.05	0.0	18,19,0	0.02	0.03	0.03	207,19,19		1.00	0.04	0.96	
4812	6.06e-03	0.01	0.0	229,230,0	0.02	3.97e-03	5.80e-03	207,18,18	0.11	207	0.87	0.06	0.94
	0.01	6.02e-03	0.0	223,220,0	0.02	1.02e-03	1.02e-03	207,223,223		1.00	0.04	0.96	
5156	0.05	0.05	0.0	207,204,0	6.37e-03	0.01	0.01	209,19,19	0.06	209	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	6.37e-03	6.00e-03	6.00e-03	209,18,18		1.00	0.04	0.96	
5157	0.05	0.05	0.0	207,204,0	0.01	0.01	0.01	209,19,19	0.08	209	0.87	0.06	0.94
	0.03	0.02	0.0	209,210,0	0.01	0.02	0.02	209,18,18		1.00	0.04	0.96	
5158	0.06	0.06	0.0	210,209,0	6.37e-03	6.50e-03	0.02	209,17,15	0.06	209	0.87	0.06	0.94
	0.02	0.01	0.0	214,213,0	6.37e-03	8.81e-03	8.81e-03	209,17,17		1.00	0.04	0.96	
5159	0.06	0.06	0.0	210,209,0	0.01	6.50e-03	0.02	209,17,15	0.08	209	0.87	0.06	0.94
	0.04	0.03	0.0	17,15,0	0.01	0.02	0.02	209,17,17		1.00	0.04	0.96	
5160	0.08	0.07	0.0	210,209,0	8.85e-03	9.85e-03	0.02	204,17,15	0.07	204	0.87	0.06	0.94
	0.03	0.02	0.0	207,204,0	8.84e-03	0.02	0.02	204,19,19		1.00	0.04	0.96	
5161	0.08	0.07	0.0	210,209,0	8.85e-03	9.85e-03	0.02	204,17,15	0.07	204	0.87	0.06	0.94
	0.06	0.05	0.0	22,19,0	8.84e-03	0.02	0.02	204,20,20		1.00	0.04	0.96	
5162	0.08	0.07	0.0	210,209,0	8.85e-03	0.01	0.02	204,15,15	0.07	204	0.87	0.06	0.94
	0.04	0.02	0.0	207,204,0	8.84e-03	0.02	0.02	204,20,20		1.00	0.04	0.96	
5163	0.08	0.07	0.0	210,209,0	0.02	0.01	0.02	207,15,15	0.10	207	0.87	0.06	0.94
	0.06	0.05	0.0	18,19,0	0.02	0.02	0.02	207,20,20		1.00	0.04	0.96	
5164	0.05	0.02	0.0	229,230,0	0.01	0.02	0.02	209,52,52	0.08	209	0.87	0.06	0.94
	0.07	0.05	0.0	17,18,0	0.01	0.03	0.03	209,21,21		1.00	0.04	0.96	
5165	0.04	0.03	0.0	229,230,0	0.01	6.35e-03	9.68e-03	209,52,16	0.08	209	0.87	0.06	0.94
	0.10	0.07	0.0	21,17,0	0.01	0.04	0.04	209,19,19		1.00	0.04	0.96	
5166	0.03	0.03	0.0	229,230,0	9.33e-03	4.05e-03	9.68e-03	209,230,16	0.07	209	0.87	0.06	0.94
	0.12	0.09	0.0	22,19,0	9.33e-03	0.04	0.04	209,19,19		1.00	0.04	0.96	
5167	0.03	0.03	0.0	229,230,0	0.02	2.81e-03	9.52e-03	207,210,16	0.10	207	0.87	0.06	0.94
	0.12	0.09	0.0	22,19,0	0.02	0.04	0.04	207,20,20		1.00	0.04	0.96	
5168	0.05	0.04	0.0	210,209,0	9.06e-03	0.01	0.02	207,15,15	0.07	207	0.87	0.06	0.94
	0.04	0.02	0.0	207,204,0	9.07e-03	0.02	0.02	207,20,20		1.00	0.04	0.96	
5169	0.05	0.04	0.0	210,209,0	0.02	0.01	0.02	207,15,15	0.11	207	0.87	0.06	0.94
	0.06	0.04	0.0	18,19,0	0.02	0.02	0.02	207,20,20		1.00	0.04	0.96	
5170	0.03	0.03	0.0	210,209,0	9.06e-03	0.02	0.02	207,15,15	0.07	207	0.87	0.06	0.94
	0.01	3.42e-03	0.0	18,230,0	9.07e-03	6.39e-03	6.39e-03	207,22,22		1.00	0.04	0.96	
5171	0.03	0.03	0.0	210,209,0	0.02	0.02	0.02	207,15,15	0.11	207	0.87	0.06	0.94
	0.04	0.02	0.0	18,19,0	0.02	0.02	0.02	207,20,20		1.00	0.04	0.96	
5172	0.02	0.01	0.0	210,209,0	8.39e-03	0.02	0.02	207,15,15	0.07	207	0.87	0.06	0.94
	8.85e-03	3.42e-03	0.0	229,230,0	8.39e-03	1.97e-03	1.97e-03	207,15,15		1.00	0.04	0.96	
5173	0.02	0.01	0.0	210,209,0	0.02	0.02	0.02	207,15,15	0.11	207	0.87	0.06	0.94
	0.01	4.49e-03	0.0	235,232,0	0.02	1.97e-03	1.97e-03	207,15,15		1.00	0.04	0.96	
5174	0.02	0.03	0.0	229,230,0	0.02	5.48e-03	0.01	207,17,18	0.11	207	0.87	0.06	0.94
	0.11	0.08	0.0	22,19,0	0.02	0.03	0.03	207,20,20		1.00	0.04	0.96	
5175	0.02	0.02	0.0	21,230,0	0.02	0.01	0.01	207,17,18	0.11	207	0.87	0.06	0.94
	0.08	0.05	0.0	18,19,0	0.02	0.03	0.03	207,19,19		1.00	0.04	0.96	
5176	6.06e-03	0.01	0.0	229,230,0	0.02	0.01	0.01	207,17,18	0.11	207	0.87	0.06	0.94
	0.01	6.02e-03	0.0	223,220,0	0.02	1.02e-03	1.02e-03	207,223,223		1.00	0.04	0.96	
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.12	0.09	0.0		0.02	0.04	0.04		0.11				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
129	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
		kN			kN			kN	kN m	
ok	0.19	-1.8	172	0.11	1.0	174	0.27	617.7	-4.283e+04	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3479	0.04	0.04	0.0	209,207,0	1.02e-03	0.09	0.10	18,18,19	0.02	204	0.87	0.06	0.94
	5.99e-03	6.01e-03	0.0	229,230,0	9.68e-04	1.84e-03	1.84e-03	204,17,17					
3480	0.04	0.04	0.0	209,207,0	1.02e-03	0.09	0.10	18,18,19	0.02	204	0.87	0.06	0.94
	8.55e-03	7.83e-03	0.0	229,230,0	9.68e-04	1.84e-03	1.84e-03	204,17,17					
3483	0.04	0.03	0.0	19,18,0	9.07e-04	0.08	0.09	210,19,18	0.02	210	0.87	0.06	0.94
	8.55e-03	7.83e-03	0.0	229,230,0	9.06e-04	8.58e-04	8.58e-04	210,19,19					
5198	0.13	0.10	0.0	21,19,0	0.03	0.09	0.11	204,18,19	0.13	204	0.87	0.06	0.94
	5.99e-03	6.01e-03	0.0	229,230,0	0.03	1.84e-03	1.84e-03	204,17,17					
5199	0.13	0.10	0.0	19,18,0	0.03	0.09	0.11	204,18,19	0.13	204	0.87	0.06	0.94
	8.55e-03	7.83e-03	0.0	229,230,0	0.03	1.84e-03	1.84e-03	204,17,17					

5200	0.20	0.15	0.0	19,16,0	0.03	0.06	0.11	204,18,19	0.13	204	0.87	0.06	0.94
	5.47e-03	3.72e-03	0.0	18,16,0	0.03	1.31e-03	1.31e-03	204,222,222			1.00	0.04	0.96
5201	0.20	0.15	0.0	19,16,0	0.03	0.06	0.11	204,18,19	0.13	204	0.87	0.06	0.94
	6.51e-03	6.33e-03	0.0	204,207,0	0.03	1.59e-03	1.59e-03	204,229,229			1.00	0.04	0.96
5202	0.24	0.18	0.0	19,18,0	0.03	0.04	0.11	204,18,16	0.12	204	0.87	0.06	0.94
	0.03	9.99e-03	0.0	18,19,0	0.03	0.02	0.02	204,19,19			1.00	0.04	0.96
5203	0.24	0.18	0.0	19,18,0	0.03	0.04	0.11	204,18,16	0.13	204	0.87	0.06	0.94
	0.03	9.99e-03	0.0	18,19,0	0.03	0.02	0.02	204,19,19			1.00	0.04	0.96
5204	0.24	0.18	0.0	19,18,0	0.02	0.07	0.14	204,19,18	0.12	204	0.87	0.06	0.94
	0.04	9.99e-03	0.0	223,19,0	0.02	0.02	0.02	204,19,19			1.00	0.04	0.96
5205	0.24	0.18	0.0	19,18,0	0.03	0.07	0.14	204,19,18	0.13	204	0.87	0.06	0.94
	0.04	9.99e-03	0.0	223,19,0	0.03	0.02	0.02	204,19,19			1.00	0.04	0.96
5206	0.13	0.10	0.0	19,18,0	0.03	0.08	0.10	204,19,22	0.13	204	0.87	0.06	0.94
	8.55e-03	7.83e-03	0.0	229,230,0	0.03	8.58e-04	8.58e-04	204,19,19			1.00	0.04	0.96
5207	0.20	0.14	0.0	16,19,0	0.03	0.06	0.10	204,17,22	0.13	204	0.87	0.06	0.94
	6.51e-03	6.33e-03	0.0	204,207,0	0.03	1.59e-03	1.59e-03	204,229,229			1.00	0.04	0.96
5208	0.23	0.16	0.0	18,19,0	0.03	0.03	0.03	204,18,18	0.13	204	0.87	0.06	0.94
	0.03	9.25e-03	0.0	18,19,0	0.03	0.01	0.01	204,19,19			1.00	0.04	0.96
5209	0.23	0.16	0.0	18,19,0	0.03	0.06	0.06	204,19,19	0.13	204	0.87	0.06	0.94
	0.03	9.25e-03	0.0	18,19,0	0.03	0.01	0.01	204,19,19			1.00	0.04	0.96
5210	0.20	0.15	0.0	19,18,0	2.11e-03	0.07	0.14	16,19,18	0.03	207	0.87	0.06	0.94
	0.04	8.15e-03	0.0	223,220,0	1.67e-03	0.02	0.02	207,19,19			1.00	0.04	0.96
5211	0.20	0.15	0.0	19,18,0	2.11e-03	0.07	0.14	16,19,18	0.03	207	0.87	0.06	0.94
	0.04	8.15e-03	0.0	223,220,0	1.67e-03	0.02	0.02	207,19,19			1.00	0.04	0.96
5212	0.11	0.09	0.0	19,18,0	1.19e-03	0.06	0.10	16,19,18	0.02	210	0.87	0.06	0.94
	0.03	8.99e-03	0.0	18,19,0	9.24e-04	0.02	0.02	210,19,19			1.00	0.04	0.96
5213	0.11	0.09	0.0	19,18,0	1.19e-03	0.06	0.10	16,19,18	0.02	210	0.87	0.06	0.94
	0.03	8.99e-03	0.0	223,19,0	9.24e-04	0.02	0.02	210,19,19			1.00	0.04	0.96
5214	0.04	0.03	0.0	19,18,0	6.56e-04	0.06	0.07	18,19,18	0.02	210	0.87	0.06	0.94
	0.02	8.99e-03	0.0	18,19,0	4.42e-04	8.58e-03	8.58e-03	210,19,19			1.00	0.04	0.96
5215	0.04	0.03	0.0	19,18,0	6.56e-04	0.06	0.07	18,19,18	0.02	210	0.87	0.06	0.94
	0.02	8.99e-03	0.0	18,19,0	4.42e-04	8.58e-03	8.58e-03	210,19,19			1.00	0.04	0.96
5216	0.19	0.14	0.0	18,19,0	9.97e-04	0.06	0.06	207,19,19	0.02	207	0.87	0.06	0.94
	0.03	7.26e-03	0.0	18,220,0	9.86e-04	0.02	0.02	207,19,19			1.00	0.04	0.96
5217	0.11	0.08	0.0	18,19,0	4.53e-04	0.06	0.06	16,19,19	0.02	207	0.87	0.06	0.94
	0.03	8.25e-03	0.0	223,19,0	4.11e-04	0.02	0.02	207,19,19			1.00	0.04	0.96
5218	0.04	0.03	0.0	18,19,0	4.53e-04	0.05	0.05	16,19,19	0.01	49	0.87	0.06	0.94
	0.01	8.25e-03	0.0	18,19,0	2.63e-04	4.16e-03	4.16e-03	49,19,19			1.00	0.04	0.96

Nodo V. 127 V. 128 V. 545 V. 129 V. 130 V. 131 V. D.26
0.24 0.18 0.0 0.03 0.09 0.14 0.13

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
130	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes. V. piede Azione V Rif. cmb V. testa Azione V Rif. cmb V. h-d Azione N Azione M Rif. cmb
ok 0.17 3.2 177 0.67 12.3 175 0.36 607.4 1.271e+05 229

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3259	0.05	0.02	0.0	229,230,0	1.37e-03	0.02	0.02	209,52,52	0.03	209	0.87	0.06	0.94
	0.04	0.03	0.0	209,210,0	1.35e-03	0.01	0.01	209,209,209			1.00	0.04	0.96
3503	0.04	0.04	0.0	207,204,0	4.98e-05	0.01	0.01	207,19,19	5.35e-03	207	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	4.87e-05	2.70e-03	2.70e-03	207,19,19			1.00	0.04	0.96
3504	0.04	0.04	0.0	207,204,0	1.84e-03	0.01	0.01	209,19,19	0.03	209	0.87	0.06	0.94
	0.04	0.02	0.0	209,210,0	1.84e-03	6.71e-03	6.71e-03	209,17,17			1.00	0.04	0.96
3507	0.05	0.02	0.0	229,230,0	1.84e-03	0.02	0.02	209,52,52	0.03	209	0.87	0.06	0.94
	0.04	0.03	0.0	209,210,0	1.84e-03	0.01	0.01	209,209,209			1.00	0.04	0.96
5003	0.05	0.02	0.0	229,230,0	0.01	0.02	0.02	209,52,52	0.09	209	0.87	0.06	0.94
	0.07	0.05	0.0	21,19,0	0.01	0.03	0.03	209,19,19			1.00	0.04	0.96
5004	0.04	0.02	0.0	229,230,0	0.01	6.11e-03	6.33e-03	209,52,57	0.09	209	0.87	0.06	0.94
	0.10	0.07	0.0	22,19,0	0.01	0.04	0.04	209,19,19			1.00	0.04	0.96
5005	0.03	0.03	0.0	229,230,0	0.01	1.83e-03	5.08e-03	209,52,230	0.09	209	0.87	0.06	0.94
	0.13	0.09	0.0	18,15,0	0.01	0.04	0.04	209,18,18			1.00	0.04	0.96
5006	0.03	0.03	0.0	229,230,0	0.01	1.60e-03	5.08e-03	207,222,230	0.09	207	0.87	0.06	0.94
	0.13	0.09	0.0	18,15,0	0.01	0.04	0.04	207,18,18			1.00	0.04	0.96
5013	0.02	0.02	0.0	229,230,0	0.02	1.22e-03	3.93e-03	207,229,18	0.10	207	0.87	0.06	0.94
	0.12	0.08	0.0	18,19,0	0.02	0.03	0.03	207,18,18			1.00	0.04	0.96
5014	0.01	0.02	0.0	229,230,0	0.02	3.90e-03	5.60e-03	207,18,18	0.10	207	0.87	0.06	0.94

	0.08	0.05	0.0	18,19,0	0.02	0.03	0.03	207,19,19		1.00	0.04	0.96	
5015	5.87e-03	9.51e-03	0.0	229,230,0	0.01	3.90e-03	5.60e-03	207,18,18	0.09	207	0.87	0.06	0.94
	0.01	7.65e-03	0.0	221,222,0	0.01	9.53e-04	9.53e-04	207,223,223		1.00	0.04	0.96	
5219	0.05	0.05	0.0	207,204,0	9.87e-03	0.01	0.01	204,19,19	0.08	204	0.87	0.06	0.94
	0.02	0.01	0.0	209,210,0	9.87e-03	5.52e-03	5.52e-03	204,17,17		1.00	0.04	0.96	
5220	0.05	0.05	0.0	207,204,0	0.02	0.01	0.01	204,19,19	0.10	204	0.87	0.06	0.94
	0.04	0.02	0.0	209,210,0	0.02	0.02	0.02	204,17,17		1.00	0.04	0.96	
5221	0.06	0.06	0.0	207,209,0	9.96e-03	6.03e-03	0.02	204,19,15	0.08	204	0.87	0.06	0.94
	0.01	6.42e-03	0.0	217,15,0	9.95e-03	8.80e-03	8.80e-03	204,17,17		1.00	0.04	0.96	
5222	0.06	0.06	0.0	207,209,0	0.02	6.03e-03	0.02	204,19,15	0.10	204	0.87	0.06	0.94
	0.04	0.03	0.0	17,15,0	0.02	0.02	0.02	204,17,17		1.00	0.04	0.96	
5223	0.07	0.08	0.0	210,209,0	0.01	9.25e-03	0.02	204,15,15	0.09	204	0.87	0.06	0.94
	0.03	0.03	0.0	207,204,0	0.01	0.02	0.02	204,18,18		1.00	0.04	0.96	
5224	0.07	0.08	0.0	210,209,0	0.01	9.25e-03	0.02	204,15,15	0.09	204	0.87	0.06	0.94
	0.06	0.05	0.0	22,15,0	0.01	0.03	0.03	204,18,18		1.00	0.04	0.96	
5225	0.07	0.08	0.0	210,209,0	0.01	0.01	0.02	204,19,19	0.09	204	0.87	0.06	0.94
	0.05	0.03	0.0	207,204,0	0.01	0.02	0.02	204,18,18		1.00	0.04	0.96	
5226	0.07	0.08	0.0	210,209,0	0.01	0.01	0.02	204,19,19	0.09	204	0.87	0.06	0.94
	0.06	0.05	0.0	18,15,0	0.01	0.03	0.03	204,18,18		1.00	0.04	0.96	
5227	0.05	0.02	0.0	229,230,0	0.02	0.02	0.02	204,52,52	0.10	204	0.87	0.06	0.94
	0.07	0.05	0.0	21,19,0	0.02	0.03	0.03	204,19,19		1.00	0.04	0.96	
5228	0.04	0.02	0.0	229,230,0	0.02	6.11e-03	9.06e-03	204,52,16	0.10	204	0.87	0.06	0.94
	0.10	0.07	0.0	22,19,0	0.02	0.04	0.04	204,19,19		1.00	0.04	0.96	
5229	0.03	0.03	0.0	229,230,0	0.01	3.29e-03	9.06e-03	209,17,16	0.09	209	0.87	0.06	0.94
	0.13	0.09	0.0	18,15,0	0.01	0.04	0.04	209,18,18		1.00	0.04	0.96	
5230	0.03	0.03	0.0	229,230,0	0.01	2.22e-03	9.01e-03	207,210,19	0.09	207	0.87	0.06	0.94
	0.13	0.09	0.0	18,15,0	0.01	0.04	0.04	207,18,18		1.00	0.04	0.96	
5231	0.04	0.04	0.0	210,209,0	5.64e-03	0.01	0.02	207,19,19	0.06	207	0.87	0.06	0.94
	0.05	0.03	0.0	207,204,0	5.64e-03	0.02	0.02	207,18,18		1.00	0.04	0.96	
5232	0.04	0.04	0.0	210,209,0	0.02	0.01	0.02	207,19,19	0.10	207	0.87	0.06	0.94
	0.06	0.05	0.0	18,15,0	0.02	0.02	0.02	207,18,18		1.00	0.04	0.96	
5233	0.03	0.03	0.0	210,209,0	5.64e-03	0.02	0.02	207,19,19	0.06	207	0.87	0.06	0.94
	0.01	5.79e-03	0.0	223,220,0	5.64e-03	6.90e-03	6.90e-03	207,18,18		1.00	0.04	0.96	
5234	0.03	0.03	0.0	210,209,0	0.02	0.02	0.02	207,19,19	0.10	207	0.87	0.06	0.94
	0.04	0.02	0.0	18,19,0	0.02	0.02	0.02	207,20,20		1.00	0.04	0.96	
5235	0.01	0.02	0.0	210,209,0	5.18e-03	0.02	0.02	207,19,19	0.06	207	0.87	0.06	0.94
	0.01	5.24e-03	0.0	229,230,0	5.18e-03	1.81e-03	1.81e-03	207,15,15		1.00	0.04	0.96	
5236	0.01	0.02	0.0	210,209,0	0.01	0.02	0.02	207,19,19	0.09	207	0.87	0.06	0.94
	0.01	6.17e-03	0.0	221,222,0	0.01	1.81e-03	1.81e-03	207,15,15		1.00	0.04	0.96	
5237	0.02	0.02	0.0	229,230,0	0.02	5.13e-03	0.01	207,19,19	0.10	207	0.87	0.06	0.94
	0.12	0.08	0.0	18,19,0	0.02	0.03	0.03	207,18,18		1.00	0.04	0.96	
5238	0.02	0.02	0.0	21,230,0	0.02	0.01	0.01	207,17,16	0.10	207	0.87	0.06	0.94
	0.08	0.05	0.0	18,19,0	0.02	0.03	0.03	207,19,19		1.00	0.04	0.96	
5239	5.87e-03	9.51e-03	0.0	229,230,0	0.01	0.01	0.01	207,17,16	0.09	207	0.87	0.06	0.94
	0.01	7.65e-03	0.0	221,222,0	0.01	9.53e-04	9.53e-04	207,223,223		1.00	0.04	0.96	
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.13	0.09	0.0		0.02	0.04	0.04		0.10				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
131	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb
ok	0.20	kN -1.9	172	0.15	kN 1.4	178	0.28	kN 645.1	kN m -4.403e+04	204

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3551	0.04	0.03	0.0	209,210,0	1.04e-03	0.09	0.09	204,18,18	0.02	204	0.87	0.06	0.94
	3.81e-03	4.01e-03	0.0	209,210,0	1.03e-03	1.88e-03	1.88e-03	204,18,18					
3552	0.04	0.04	0.0	209,18,0	1.04e-03	0.09	0.09	204,18,18	0.02	204	0.87	0.06	0.94
	7.68e-03	7.26e-03	0.0	229,230,0	1.03e-03	1.88e-03	1.88e-03	204,18,18					
3555	0.03	0.04	0.0	19,18,0	9.83e-04	0.08	0.09	204,19,18	0.02	204	0.87	0.06	0.94
	7.68e-03	7.26e-03	0.0	229,230,0	9.81e-04	9.08e-04	9.08e-04	204,19,19					
5261	0.14	0.09	0.0	18,19,0	0.03	0.09	0.09	204,18,18	0.13	204	0.87	0.06	0.94
	3.81e-03	4.01e-03	0.0	209,210,0	0.03	1.88e-03	1.88e-03	204,18,18					
5262	0.14	0.10	0.0	18,18,0	0.03	0.09	0.10	204,18,18	0.13	204	0.87	0.06	0.94
	7.68e-03	7.26e-03	0.0	229,230,0	0.03	1.88e-03	1.88e-03	204,18,18					
5263	0.20	0.15	0.0	19,18,0	0.03	0.06	0.11	204,18,18	0.13	204	0.87	0.06	0.94
	5.28e-03	3.55e-03	0.0	220,15,0	0.03	1.84e-03	1.84e-03	204,222,222					

PROGETTO PER LA REALIZZAZIONE DEL POLO DINAMICO	PROGETTO STRUTTURE
TABULATI DI CALCOLO BLOCCO AULE	PAG. 2785 DI 2790

5264	0.20	0.15	0.0	18,18,0	0.03	0.06	0.11	204,18,18	0.13	204	0.87	0.06	0.94
	6.79e-03	6.50e-03	0.0	209,210,0	0.03	2.12e-03	2.12e-03	204,221,221			1.00	0.04	0.96
5265	0.23	0.18	0.0	19,18,0	0.03	0.04	0.11	204,18,18	0.13	204	0.87	0.06	0.94
	0.03	0.01	0.0	15,22,0	0.03	0.02	0.02	204,19,19			1.00	0.04	0.96
5266	0.24	0.18	0.0	18,18,0	0.03	0.04	0.11	204,18,18	0.13	204	0.87	0.06	0.94
	0.03	0.01	0.0	18,22,0	0.03	0.02	0.02	204,19,19			1.00	0.04	0.96
5267	0.23	0.18	0.0	19,18,0	0.02	0.07	0.14	204,19,18	0.12	204	0.87	0.06	0.94
	0.04	0.02	0.0	223,220,0	0.02	0.02	0.02	204,19,19			1.00	0.04	0.96
5268	0.24	0.18	0.0	18,18,0	0.03	0.07	0.14	204,19,18	0.13	204	0.87	0.06	0.94
	0.04	0.02	0.0	223,220,0	0.03	0.02	0.02	204,19,19			1.00	0.04	0.96
5269	0.13	0.10	0.0	19,18,0	0.03	0.08	0.10	204,19,18	0.13	204	0.87	0.06	0.94
	7.68e-03	7.26e-03	0.0	229,230,0	0.03	9.08e-04	9.08e-04	204,19,19			1.00	0.04	0.96
5270	0.20	0.14	0.0	18,19,0	0.03	0.06	0.10	204,17,18	0.13	204	0.87	0.06	0.94
	6.79e-03	6.50e-03	0.0	209,210,0	0.03	2.12e-03	2.12e-03	204,221,221			1.00	0.04	0.96
5271	0.24	0.16	0.0	18,19,0	0.03	0.03	0.03	204,18,18	0.13	204	0.87	0.06	0.94
	0.03	9.21e-03	0.0	18,19,0	0.03	0.01	0.01	204,19,19			1.00	0.04	0.96
5272	0.24	0.16	0.0	18,19,0	0.03	0.06	0.06	204,19,19	0.13	204	0.87	0.06	0.94
	0.03	9.21e-03	0.0	18,19,0	0.03	0.01	0.01	204,19,19			1.00	0.04	0.96
5273	0.20	0.15	0.0	19,18,0	2.15e-03	0.07	0.14	18,19,18	0.03	204	0.87	0.06	0.94
	0.04	0.02	0.0	223,220,0	1.52e-03	0.02	0.02	204,19,19			1.00	0.04	0.96
5274	0.20	0.15	0.0	19,18,0	2.15e-03	0.07	0.14	18,19,18	0.03	204	0.87	0.06	0.94
	0.04	0.02	0.0	223,220,0	1.52e-03	0.02	0.02	204,19,19			1.00	0.04	0.96
5275	0.11	0.09	0.0	19,18,0	1.20e-03	0.06	0.10	18,19,18	0.02	210	0.87	0.06	0.94
	0.02	9.60e-03	0.0	17,20,0	9.04e-04	0.02	0.02	210,19,19			1.00	0.04	0.96
5276	0.11	0.09	0.0	18,18,0	1.20e-03	0.06	0.10	18,19,18	0.02	210	0.87	0.06	0.94
	0.02	0.01	0.0	223,220,0	9.04e-04	0.02	0.02	210,19,19			1.00	0.04	0.96
5277	0.04	0.03	0.0	19,18,0	7.94e-04	0.06	0.07	18,19,18	0.02	210	0.87	0.06	0.94
	0.01	9.60e-03	0.0	17,20,0	7.01e-04	8.70e-03	8.70e-03	210,19,19			1.00	0.04	0.96
5278	0.04	0.03	0.0	18,18,0	7.94e-04	0.06	0.07	18,19,18	0.02	210	0.87	0.06	0.94
	0.01	9.60e-03	0.0	17,20,0	7.01e-04	8.70e-03	8.70e-03	210,19,19			1.00	0.04	0.96
5279	0.20	0.13	0.0	18,19,0	6.49e-04	0.06	0.06	210,19,19	0.02	207	0.87	0.06	0.94
	0.03	0.01	0.0	223,220,0	6.24e-04	0.02	0.02	207,19,19			1.00	0.04	0.96
5280	0.11	0.08	0.0	18,19,0	7.02e-04	0.05	0.05	18,19,19	0.02	52	0.87	0.06	0.94
	0.02	0.01	0.0	223,220,0	4.78e-04	0.02	0.02	52,19,19			1.00	0.04	0.96
5281	0.04	0.03	0.0	18,19,0	7.02e-04	0.05	0.05	18,19,19	0.02	52	0.87	0.06	0.94
	0.01	9.17e-03	0.0	19,22,0	4.78e-04	4.16e-03	4.16e-03	52,19,19			1.00	0.04	0.96

Nodo	V. 127	V. 128	V. 545	V. 129	V. 130	V. 131	V. D.26
	0.24	0.18	0.0	0.03	0.09	0.14	0.13

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
132	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.13	2.3	177	0.64	11.1	175	0.46	299.1	1.599e+05	209

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
3575	0.04	0.03	0.0	207,204,0	7.97e-05	8.48e-03	0.01	52,18,16	6.86e-03	52	0.87	0.06	0.94
	0.02	9.87e-03	0.0	209,210,0	7.97e-05	3.26e-03	3.26e-03	52,19,19			1.00	0.04	0.96
3576	0.06	0.03	0.0	209,210,0	1.21e-03	0.02	0.02	209,209,209	0.03	209	0.87	0.06	0.94
	0.04	0.02	0.0	209,210,0	1.18e-03	0.01	0.01	209,209,209			1.00	0.04	0.96
3579	0.06	0.03	0.0	209,210,0	1.21e-03	0.02	0.02	209,209,209	0.03	209	0.87	0.06	0.94
	0.04	0.02	0.0	209,210,0	1.18e-03	0.01	0.01	209,209,209			1.00	0.04	0.96
5282	0.04	0.04	0.0	207,204,0	0.01	8.48e-03	0.01	204,18,16	0.08	204	0.87	0.06	0.94
	0.02	9.87e-03	0.0	209,210,0	0.01	7.70e-03	7.70e-03	204,19,19			1.00	0.04	0.96
5283	0.06	0.04	0.0	209,204,0	0.01	0.02	0.02	209,209,209	0.09	209	0.87	0.06	0.94
	0.05	0.04	0.0	19,19,0	0.01	0.02	0.02	209,19,19			1.00	0.04	0.96
5284	0.05	0.05	0.0	207,204,0	0.01	3.67e-03	0.01	204,19,19	0.08	204	0.87	0.06	0.94
	0.02	0.01	0.0	18,18,0	0.01	0.01	0.01	204,17,17			1.00	0.04	0.96
5285	0.05	0.05	0.0	207,204,0	0.01	4.47e-03	0.01	209,209,19	0.09	209	0.87	0.06	0.94
	0.08	0.06	0.0	21,15,0	0.01	0.03	0.03	209,19,19			1.00	0.04	0.96
5286	0.05	0.06	0.0	210,209,0	0.01	6.28e-03	0.02	204,19,15	0.09	204	0.87	0.06	0.94
	0.04	0.04	0.0	207,204,0	0.01	0.02	0.02	204,18,18			1.00	0.04	0.96
5287	0.05	0.06	0.0	210,209,0	0.01	6.28e-03	0.02	204,19,15	0.09	204	0.87	0.06	0.94
	0.10	0.08	0.0	18,18,0	0.01	0.04	0.04	204,18,18			1.00	0.04	0.96
5288	0.05	0.06	0.0	210,209,0	0.01	6.28e-03	0.02	204,19,15	0.09	204	0.87	0.06	0.94
	0.05	0.05	0.0	207,204,0	0.01	0.02	0.02	204,18,18			1.00	0.04	0.96
5289	0.05	0.06	0.0	210,209,0	0.01	6.28e-03	0.02	204,19,15	0.09	204	0.87	0.06	0.94

	0.10	0.08	0.0	18,18,0	0.01	0.04	0.04	204,18,18		1.00	0.04	0.96	
5290	0.06	0.03	0.0	209,210,0	0.01	0.02	0.02	209,209,209	0.09	209	0.87	0.06	0.94
	0.05	0.04	0.0	19,19,0	0.01	0.02	0.02	209,19,19			1.00	0.04	0.96
5291	0.03	0.02	0.0	229,210,0	0.01	4.47e-03	4.47e-03	209,209,209	0.09	209	0.87	0.06	0.94
	0.08	0.06	0.0	21,15,0	0.01	0.03	0.03	209,19,19			1.00	0.04	0.96
5292	0.03	0.02	0.0	209,210,0	0.01	1.10e-03	3.90e-03	209,17,230	0.09	209	0.87	0.06	0.94
	0.10	0.08	0.0	18,18,0	0.01	0.04	0.04	209,18,18			1.00	0.04	0.96
5293	0.03	0.02	0.0	209,210,0	9.33e-03	1.06e-03	3.90e-03	209,220,230	0.07	209	0.87	0.06	0.94
	0.10	0.08	0.0	18,18,0	9.33e-03	0.04	0.04	209,18,18			1.00	0.04	0.96
5294	0.03	0.04	0.0	210,209,0	6.48e-03	7.44e-03	0.02	207,19,19	0.06	207	0.87	0.06	0.94
	0.05	0.05	0.0	207,204,0	6.48e-03	0.02	0.02	207,18,18			1.00	0.04	0.96
5295	0.03	0.04	0.0	210,209,0	0.01	7.44e-03	0.02	207,19,19	0.08	207	0.87	0.06	0.94
	0.10	0.08	0.0	18,18,0	0.01	0.03	0.03	207,18,18			1.00	0.04	0.96
5296	0.02	0.03	0.0	210,209,0	7.55e-03	0.01	0.01	207,19,17	0.07	207	0.87	0.06	0.94
	0.02	0.02	0.0	17,18,0	7.56e-03	0.01	0.01	207,18,18			1.00	0.04	0.96
5297	0.02	0.03	0.0	210,209,0	0.01	0.01	0.01	207,19,17	0.09	207	0.87	0.06	0.94
	0.07	0.05	0.0	18,18,0	0.01	0.02	0.02	207,20,20			1.00	0.04	0.96
5298	7.85e-03	0.01	0.0	223,220,0	7.55e-03	0.01	0.01	207,19,17	0.07	207	0.87	0.06	0.94
	0.01	7.11e-03	0.0	220,223,0	7.56e-03	2.05e-03	2.05e-03	207,20,20			1.00	0.04	0.96
5299	7.85e-03	0.01	0.0	223,220,0	0.01	0.01	0.01	207,19,17	0.09	207	0.87	0.06	0.94
	0.01	7.77e-03	0.0	220,227,0	0.01	2.05e-03	2.05e-03	207,20,20			1.00	0.04	0.96
5300	0.02	0.02	0.0	209,210,0	0.01	1.62e-03	3.75e-03	207,221,20	0.08	207	0.87	0.06	0.94
	0.10	0.08	0.0	18,18,0	0.01	0.03	0.03	207,18,18			1.00	0.04	0.96
5301	0.01	0.01	0.0	229,230,0	0.01	4.32e-03	5.70e-03	207,17,18	0.09	207	0.87	0.06	0.94
	0.07	0.05	0.0	18,18,0	0.01	0.02	0.02	207,20,20			1.00	0.04	0.96
5302	6.15e-03	6.84e-03	0.0	209,230,0	0.01	4.32e-03	5.70e-03	207,17,18	0.09	207	0.87	0.06	0.94
	0.01	7.77e-03	0.0	224,227,0	0.01	1.28e-03	1.28e-03	207,226,226			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.10	0.08	0.0		0.01	0.04	0.04		0.09				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
133	Legno XLAM n. 1 verticali -legno E = 8.250e+04 (XLAM -1- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.95	-8.8	175	0.67	6.2	177	0.17	-104.3	5.302e+04	207

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
1738	0.03	0.03	0.0	204,207,0	0.02	0.03	0.03	207,18,15	0.12	207	0.85	0.06	0.94
	0.01	0.01	0.0	210,209,0	0.02	1.27e-03	1.27e-03	207,216,216			1.00	0.04	0.96
1739	0.04	0.04	0.0	204,207,0	0.02	0.03	0.04	207,18,15	0.12	207	0.85	0.06	0.94
	0.01	0.01	0.0	220,223,0	0.02	3.25e-03	3.25e-03	207,18,18			1.00	0.04	0.96
1742	0.08	0.08	0.0	204,207,0	0.08	0.02	0.04	207,18,15	0.22	207	0.85	0.06	0.94
	0.01	0.01	0.0	220,223,0	0.08	3.54e-03	3.54e-03	207,18,18			1.00	0.04	0.96
1744	0.08	0.08	0.0	204,207,0	0.08	0.01	0.03	207,19,15	0.22	207	0.85	0.06	0.94
	0.01	8.75e-03	0.0	204,207,0	0.08	3.54e-03	3.54e-03	207,18,18			1.00	0.04	0.96
1746	0.04	0.04	0.0	210,209,0	0.02	0.03	0.04	207,19,15	0.12	207	0.85	0.06	0.94
	0.02	0.01	0.0	230,229,0	0.02	3.47e-03	3.47e-03	207,18,18			1.00	0.04	0.96
1747	0.04	0.04	0.0	207,204,0	0.02	0.03	0.03	207,19,15	0.12	207	0.85	0.06	0.94
	9.68e-03	7.92e-03	0.0	220,223,0	0.02	1.71e-03	1.71e-03	207,213,213			1.00	0.04	0.96
1748	0.08	0.07	0.0	207,204,0	0.08	0.02	0.04	209,19,15	0.21	209	0.85	0.06	0.94
	0.02	0.01	0.0	230,229,0	0.08	3.90e-03	3.90e-03	209,19,19			1.00	0.04	0.96
1749	0.08	0.07	0.0	207,204,0	0.08	0.01	0.03	210,18,15	0.21	210	0.85	0.06	0.94
	0.01	0.01	0.0	210,209,0	0.08	3.90e-03	3.90e-03	210,19,19			1.00	0.04	0.96
1752	0.07	0.06	0.0	22,15,0	0.08	0.02	0.04	204,18,15	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0	222,221,0	0.08	6.65e-03	6.65e-03	204,18,18			1.00	0.04	0.96
1755	0.07	0.06	0.0	22,15,0	0.08	0.02	0.04	210,22,15	0.21	210	0.85	0.06	0.94
	0.02	0.02	0.0	220,223,0	0.08	7.01e-03	7.01e-03	210,19,19			1.00	0.04	0.96
1756	0.06	0.05	0.0	22,15,0	9.78e-03	0.02	0.04	209,18,15	0.08	209	0.85	0.06	0.94
	0.01	0.01	0.0	222,221,0	9.77e-03	5.57e-03	5.57e-03	209,18,18			1.00	0.04	0.96
1757	0.07	0.06	0.0	22,15,0	0.08	6.43e-03	0.03	210,19,15	0.21	210	0.85	0.06	0.94
	0.01	0.01	0.0	204,207,0	0.08	7.01e-03	7.01e-03	210,19,19			1.00	0.04	0.96
1758	0.03	0.03	0.0	22,15,0	0.01	0.02	0.03	209,18,15	0.08	209	0.85	0.06	0.94
	6.85e-03	8.82e-03	0.0	220,223,0	0.01	2.94e-03	2.94e-03	209,18,18			1.00	0.04	0.96
1759	0.07	0.06	0.0	22,15,0	0.08	6.35e-03	0.03	204,19,15	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0	210,209,0	0.08	6.65e-03	6.65e-03	204,18,18			1.00	0.04	0.96
1760	0.01	8.95e-03	0.0	22,15,0	0.01	0.02	0.02	209,15,15	0.08	209	0.85	0.06	0.94
	4.21e-03	4.32e-03	0.0	225,18,0	0.01	1.10e-03	1.10e-03	209,216,216			1.00	0.04	0.96

1761	0.01	9.01e-03	0.0	22,15,0	0.01	0.02	0.02	209,19,15	0.08	209	0.85	0.06	0.94
	4.65e-03	4.59e-03	0.0	229,18,0	0.01	1.77e-03	1.77e-03	209,19,19			1.00	0.04	0.96
1762	0.06	0.05	0.0	22,15,0	9.52e-03	0.02	0.04	209,22,15	0.07	209	0.85	0.06	0.94
	0.02	0.02	0.0	220,223,0	9.52e-03	5.87e-03	5.87e-03	209,19,19			1.00	0.04	0.96
1763	0.03	0.03	0.0	22,15,0	0.01	0.02	0.04	209,18,15	0.08	209	0.85	0.06	0.94
	6.41e-03	8.97e-03	0.0	230,229,0	0.01	2.94e-03	2.94e-03	209,18,18			1.00	0.04	0.96
1764	0.01	9.01e-03	0.0	22,15,0	0.01	0.02	0.02	209,19,15	0.08	209	0.85	0.06	0.94
	4.65e-03	4.59e-03	0.0	229,18,0	0.01	1.77e-03	1.77e-03	209,19,19			1.00	0.04	0.96
5385	0.07	0.06	0.0	22,15,0	0.08	0.02	0.04	204,22,15	0.22	204	0.85	0.06	0.94
	0.02	0.02	0.0	220,223,0	0.08	7.01e-03	7.01e-03	204,19,19			1.00	0.04	0.96
5386	0.06	0.05	0.0	22,15,0	9.78e-03	0.02	0.04	209,22,15	0.08	209	0.85	0.06	0.94
	0.02	0.02	0.0	220,223,0	9.77e-03	5.87e-03	5.87e-03	209,19,19			1.00	0.04	0.96
5395	0.03	0.03	0.0	22,15,0	0.01	0.02	0.04	209,18,15	0.08	209	0.85	0.06	0.94
	6.85e-03	8.97e-03	0.0	220,229,0	0.01	2.94e-03	2.94e-03	209,18,18			1.00	0.04	0.96
5396	0.04	0.04	0.0	210,209,0	0.02	0.03	0.04	207,19,15	0.12	207	0.85	0.06	0.94
	0.02	0.01	0.0	230,229,0	0.02	3.47e-03	3.47e-03	207,18,18			1.00	0.04	0.96
5397	0.04	0.04	0.0	207,204,0	0.02	0.03	0.03	207,19,15	0.12	207	0.85	0.06	0.94
	0.01	0.01	0.0	210,209,0	0.02	1.71e-03	1.71e-03	207,213,213			1.00	0.04	0.96
5398	0.08	0.08	0.0	204,207,0	0.08	0.02	0.04	207,19,15	0.22	207	0.85	0.06	0.94
	0.02	0.01	0.0	230,229,0	0.08	3.90e-03	3.90e-03	207,19,19			1.00	0.04	0.96
5399	0.08	0.08	0.0	204,207,0	0.08	0.01	0.03	207,19,15	0.22	207	0.85	0.06	0.94
	0.01	0.01	0.0	210,209,0	0.08	3.90e-03	3.90e-03	207,19,19			1.00	0.04	0.96
5400	0.07	0.06	0.0	22,15,0	0.08	6.43e-03	0.03	204,19,15	0.22	204	0.85	0.06	0.94
	0.01	0.01	0.0	210,209,0	0.08	7.01e-03	7.01e-03	204,19,19			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.08	0.08	0.0		0.08	0.03	0.04		0.22				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
134	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V	Rif. cmb	V. testa	Azione V	Rif. cmb	V. h-d	Azione N	Azione M	Rif. cmb			
ok	0.0	kN		0.0	kN		0.0	kN	kN m	0			
		0.0	0		0.0	0		0.0	0.0				
Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2687	8.99e-03	0.01	0.0	218,42,0	0.04	6.20e-03	0.01	214,45,42	0.15	214	0.36	0.13	0.87
	0.14	0.10	0.0	213,214,0	0.04	0.04	0.04	214,44,44			1.00	0.04	0.96
2688	8.99e-03	9.41e-03	0.0	218,217,0	0.04	2.71e-03	6.17e-03	214,44,42	0.15	214	0.36	0.13	0.87
	0.14	0.10	0.0	213,214,0	0.04	0.04	0.04	214,44,44			1.00	0.04	0.96
2689	3.65e-03	0.01	0.0	230,42,0	0.03	6.20e-03	0.01	214,45,42	0.13	214	0.36	0.13	0.87
	0.11	0.08	0.0	216,219,0	0.03	0.02	0.02	214,45,45			1.00	0.04	0.96
2701	0.02	0.01	0.0	212,215,0	0.03	4.33e-03	5.32e-03	215,44,46	0.12	215	0.36	0.13	0.87
	0.13	0.07	0.0	219,216,0	0.03	0.01	0.01	215,219,219			1.00	0.04	0.96
2702	0.07	0.05	0.0	214,216,0	0.04	9.38e-03	9.41e-03	214,44,208	0.14	214	0.36	0.13	0.87
	0.13	0.07	0.0	219,216,0	0.04	0.01	0.01	214,219,219			1.00	0.04	0.96
2705	0.07	0.05	0.0	214,216,0	0.04	9.38e-03	9.41e-03	214,44,208	0.14	214	0.36	0.13	0.87
	0.10	0.06	0.0	219,216,0	0.04	0.01	0.01	214,43,43			1.00	0.04	0.96
5458	8.40e-03	5.45e-03	0.0	204,207,0	0.04	1.64e-03	4.61e-03	214,45,48	0.15	214	0.36	0.13	0.87
	4.23e-03	3.21e-03	0.0	46,43,0	0.04	0.01	0.01	214,43,43			1.00	0.04	0.96
5459	0.07	0.05	0.0	214,216,0	0.04	9.38e-03	0.02	214,44,42	0.15	214	0.36	0.13	0.87
	0.13	0.07	0.0	219,216,0	0.04	0.01	0.01	214,219,219			1.00	0.04	0.96
5460	4.36e-03	3.24e-03	0.0	234,233,0	0.04	4.02e-03	5.47e-03	214,44,42	0.16	214	0.36	0.13	0.87
	2.08e-03	1.59e-03	0.0	46,43,0	0.04	1.91e-03	1.91e-03	214,48,48			1.00	0.04	0.96
5461	0.05	0.04	0.0	219,216,0	0.04	4.08e-03	0.02	214,44,42	0.16	214	0.36	0.13	0.87
	0.03	0.02	0.0	214,213,0	0.04	1.91e-03	1.91e-03	214,48,48			1.00	0.04	0.96
5462	6.78e-03	3.24e-03	0.0	228,233,0	0.04	4.02e-03	5.47e-03	214,44,42	0.16	214	0.36	0.13	0.87
	0.01	8.64e-03	0.0	42,47,0	0.04	0.01	0.01	214,45,45			1.00	0.04	0.96
5463	0.03	0.02	0.0	219,216,0	0.04	6.20e-03	0.02	214,45,42	0.16	214	0.36	0.13	0.87
	0.14	0.10	0.0	213,214,0	0.04	0.04	0.04	214,44,44			1.00	0.04	0.96
5464	0.07	0.05	0.0	214,216,0	0.04	9.38e-03	0.02	214,44,42	0.14	214	0.36	0.13	0.87
	0.10	0.06	0.0	219,216,0	0.04	0.01	0.01	214,43,43			1.00	0.04	0.96
5465	0.05	0.04	0.0	219,216,0	0.03	4.08e-03	0.02	214,44,42	0.13	214	0.36	0.13	0.87
	0.03	0.02	0.0	214,213,0	0.03	6.98e-04	6.98e-04	214,211,211			1.00	0.04	0.96
5466	0.03	0.02	0.0	219,216,0	0.03	6.20e-03	0.02	214,45,42	0.13	214	0.36	0.13	0.87
	0.11	0.08	0.0	216,219,0	0.03	0.02	0.02	214,45,45			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.14	0.10	0.0		0.04	0.04	0.04		0.16				

Setto	Mat.	N. strati	Spessore	Incoll.	Stato
			cm		
135	Legno XLAM n. 3 verticale-legno E = 8.250e+04 (XLAM -3- vert)	5	16.0	NO	ok

V. connes.	V. piede	Azione V kN	Rif. cmb	V. testa	Azione V kN	Rif. cmb	V. h-d	Azione N kN	Azione M kN m	Rif. cmb
ok	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0

Nodo	V. 127	V. 128	V. 545	Rif. cmb	V. 129	V. 130	V. 131	Rif. cmb	V. D.26	Rif. cmb	Fac. B-A	Qsup. A	Qsup. B
2339	6.98e-03	6.22e-03	0.0	223,220,0	0.01	5.02e-03	5.90e-03	204,20,226	0.08	204	0.53	0.09	0.91
	0.01	0.01	0.0	210,210,0	0.01	6.25e-03	6.25e-03	204,19,19			1.00	0.04	0.96
2341	0.01	6.22e-03	0.0	209,220,0	9.83e-03	7.43e-03	7.43e-03	204,224,224	0.08	204	0.53	0.09	0.91
	0.05	0.06	0.0	207,209,0	9.83e-03	0.01	0.01	204,18,18			1.00	0.04	0.96
2342	4.90e-03	5.89e-03	0.0	223,220,0	9.08e-03	3.35e-03	5.70e-03	204,18,220	0.07	204	0.53	0.09	0.91
	0.03	0.02	0.0	22,19,0	9.08e-03	0.03	0.03	204,19,19			1.00	0.04	0.96
2343	5.36e-03	2.72e-03	0.0	220,224,0	9.14e-03	3.35e-03	4.22e-03	209,18,220	0.07	209	0.53	0.09	0.91
	8.65e-03	6.63e-03	0.0	20,15,0	9.14e-03	6.25e-03	6.25e-03	209,19,19			1.00	0.04	0.96
4168	0.01	2.76e-03	0.0	209,210,0	9.14e-03	2.32e-03	2.53e-03	209,220,223	0.07	209	0.53	0.09	0.91
	0.01	5.70e-03	0.0	18,17,0	9.14e-03	5.37e-03	5.37e-03	209,15,15			1.00	0.04	0.96
4337	0.03	0.02	0.0	15,22,0	0.01	0.01	0.01	204,19,19	0.08	204	0.53	0.09	0.91
	0.13	0.08	0.0	18,19,0	0.01	0.05	0.05	204,19,19			1.00	0.04	0.96
4338	0.03	0.02	0.0	223,220,0	0.01	6.10e-03	0.02	204,22,18	0.08	204	0.53	0.09	0.91
	0.02	0.01	0.0	207,207,0	0.01	2.96e-03	2.96e-03	204,17,17			1.00	0.04	0.96
4463	7.48e-03	5.89e-03	0.0	207,220,0	0.01	5.02e-03	5.90e-03	204,20,226	0.08	204	0.53	0.09	0.91
	0.13	0.08	0.0	18,19,0	0.01	0.06	0.06	204,20,20			1.00	0.04	0.96
4469	0.03	0.03	0.0	223,204,0	0.01	0.01	0.02	204,17,18	0.09	204	0.53	0.09	0.91
	0.06	0.05	0.0	210,209,0	0.01	0.01	0.01	204,19,19			1.00	0.04	0.96
5272	0.02	6.64e-03	0.0	17,20,0	8.98e-03	0.01	0.01	204,19,19	0.07	204	0.53	0.09	0.91
	0.08	0.05	0.0	209,210,0	8.98e-03	0.05	0.05	204,19,19			1.00	0.04	0.96
5279	0.02	6.64e-03	0.0	17,20,0	8.98e-03	0.01	0.01	204,19,19	0.07	204	0.53	0.09	0.91
	0.13	0.08	0.0	18,19,0	8.98e-03	0.05	0.05	204,19,19			1.00	0.04	0.96
5280	7.48e-03	3.86e-03	0.0	207,204,0	8.37e-03	3.23e-03	3.23e-03	204,19,19	0.07	204	0.53	0.09	0.91
	0.13	0.08	0.0	18,19,0	8.37e-03	0.06	0.06	204,20,20			1.00	0.04	0.96
5281	4.90e-03	5.89e-03	0.0	223,220,0	6.86e-03	2.84e-03	5.70e-03	204,19,220	0.06	204	0.53	0.09	0.91
	0.09	0.06	0.0	18,19,0	6.88e-03	0.06	0.06	204,20,20			1.00	0.04	0.96
5288	0.03	0.03	0.0	207,204,0	0.01	0.01	0.02	204,17,18	0.09	204	0.53	0.09	0.91
	0.06	0.05	0.0	210,209,0	0.01	0.01	0.01	204,19,19			1.00	0.04	0.96
5294	0.03	0.03	0.0	207,204,0	0.01	0.01	0.02	204,17,18	0.09	204	0.53	0.09	0.91
	0.06	0.05	0.0	210,209,0	0.01	0.01	0.01	204,19,19			1.00	0.04	0.96
5296	7.27e-03	5.24e-03	0.0	17,18,0	8.31e-03	7.43e-03	7.43e-03	209,224,224	0.07	209	0.53	0.09	0.91
	0.05	0.06	0.0	207,209,0	8.31e-03	0.01	0.01	209,18,18			1.00	0.04	0.96
5298	0.01	4.40e-03	0.0	209,20,0	3.74e-03	7.43e-03	7.43e-03	209,224,224	0.05	209	0.53	0.09	0.91
	0.05	0.06	0.0	207,209,0	3.74e-03	0.01	0.01	209,18,18			1.00	0.04	0.96
5567	0.03	0.02	0.0	15,22,0	8.98e-03	0.01	0.01	204,19,19	0.07	204	0.53	0.09	0.91
	0.08	0.05	0.0	209,210,0	8.98e-03	0.05	0.05	204,19,19			1.00	0.04	0.96
5568	0.03	0.02	0.0	223,220,0	8.10e-03	6.10e-03	0.02	204,22,18	0.07	204	0.53	0.09	0.91
	0.02	0.01	0.0	207,207,0	8.10e-03	2.21e-03	2.21e-03	204,19,19			1.00	0.04	0.96
5578	0.03	0.03	0.0	223,204,0	0.01	0.01	0.02	204,17,18	0.09	204	0.53	0.09	0.91
	0.06	0.05	0.0	210,209,0	0.01	0.01	0.01	204,19,19			1.00	0.04	0.96
Nodo	V. 127	V. 128	V. 545		V. 129	V. 130	V. 131		V. D.26				
	0.13	0.08	0.0		0.01	0.06	0.06		0.09				

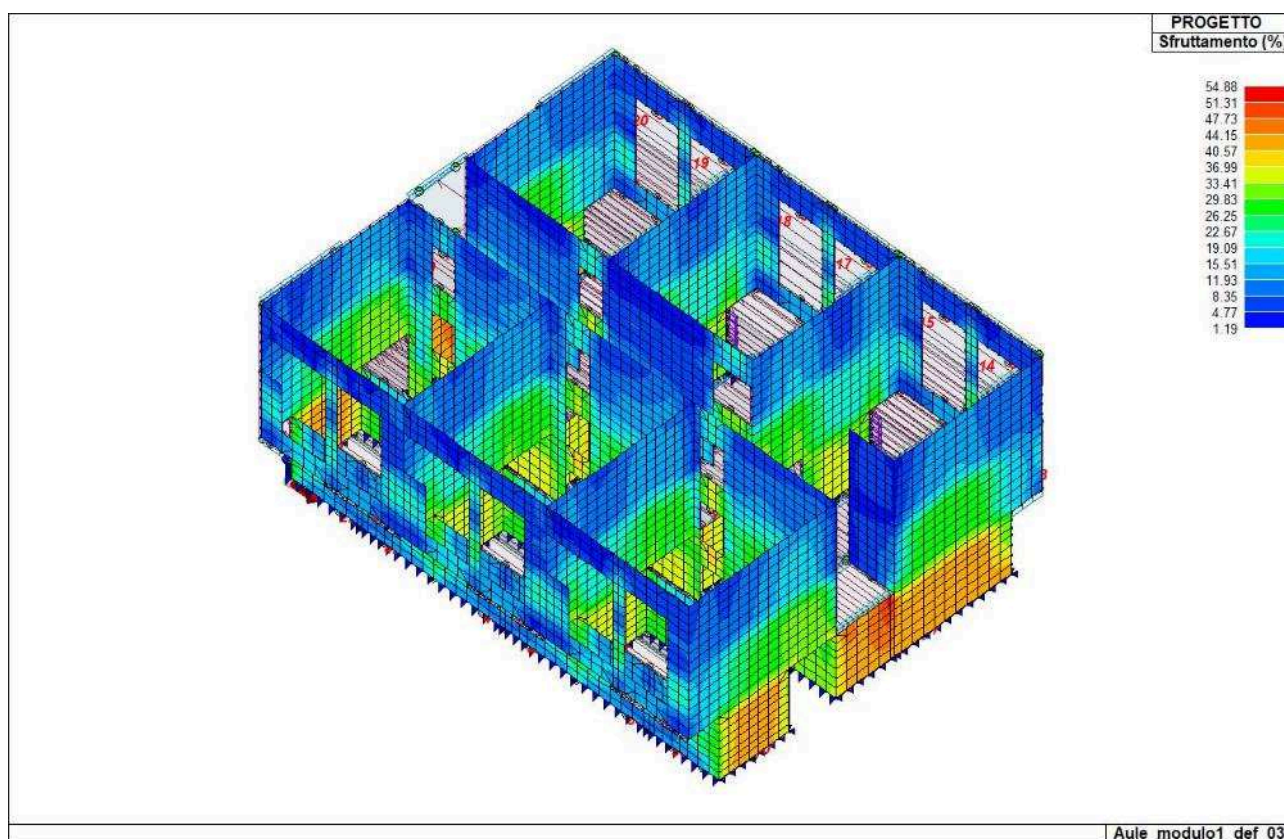


Figura 22: Sfruttamento elementi D3 [%]